

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050014.D
 Acq On : 23 Jul 2018 19:12
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:50:56 PM

Quant Time: Jul 24 06:18:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 05:50:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1014136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	955033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	525758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	925386	95.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.70%	
35) Dibromofluoromethane	7.59	113	816061	95.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.70%	
50) Toluene-d8	10.09	98	3122672	100.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.52%	
62) 4-Bromofluorobenzene	12.40	95	1081974	102.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1030765	125.16	ug/l	100
3) Chloromethane	2.06	50	1024561	103.18	ug/l	99
4) Vinyl Chloride	2.18	62	1077253	102.31	ug/l	99
5) Bromomethane	2.54	94	638913	95.09	ug/l	99
6) Chloroethane	2.69	64	621261	91.83	ug/l	100
7) Trichlorofluoromethane	3.00	101	1366386	95.62	ug/l	100
8) Diethyl Ether	3.41	74	488220	98.74	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	811050	92.46	ug/l	100
10) Methyl Iodide	3.95	142	1200483	102.75	ug/l	99
11) Tert butyl alcohol	4.80	59	358069	516.25	ug/l	99
12) 1,1-Dichloroethene	3.73	96	768082	99.33	ug/l	97
13) Acrolein	3.61	56	297707	633.90	ug/l	99
14) Allyl chloride	4.32	41	1248455	102.99	ug/l	99
15) Acrylonitrile	5.00	53	1556774	513.04	ug/l	100
16) Acetone	3.82	43	1129245	448.72	ug/l	100
17) Carbon Disulfide	4.05	76	2324169	99.98	ug/l	100
18) Methyl Acetate	4.33	43	878515	91.22	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2207719	104.74	ug/l	99
20) Methylene Chloride	4.55	84	850499	88.85	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	820972	100.62	ug/l	99
22) Diisopropyl ether	5.96	45	2567881	104.48	ug/l	98
23) Vinyl Acetate	5.90	43	9332596	541.84	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1513860	95.46	ug/l	100
25) 2-Butanone	6.84	43	1886821	524.73	ug/l	100
26) 2,2-Dichloropropane	6.83	77	1140931	92.82	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	923335	103.44	ug/l	99
28) Bromochloromethane	7.20	49	710054	99.87	ug/l	99
29) Tetrahydrofuran	7.22	42	1236995	546.82	ug/l	100
30) Chloroform	7.37	83	1534192	94.57	ug/l	99
31) Cyclohexane	7.65	56	1343478	90.45	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1336171	95.13	ug/l	100
36) 1,1-Dichloropropene	7.80	75	1179095	103.99	ug/l	99
37) Ethyl Acetate	6.94	43	825473	106.39	ug/l	100
38) Carbon Tetrachloride	7.78	117	1189035	97.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1292739	110.19	ug/l	99
40) Benzene	8.04	78	3511126	101.41	ug/l	99
41) Methacrylonitrile	7.18	41	432143	113.52	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	1120563	97.99	ug/l	100
43) Isopropyl Acetate	8.17	43	1476823	108.14	ug/l #	88
44) Trichloroethene	8.84	130	911423	100.50	ug/l	100
45) 1,2-Dichloropropane	9.12	63	916904	98.55	ug/l	98
46) Dibromomethane	9.21	93	564065	97.70	ug/l	99
47) Bromodichloromethane	9.41	83	1188462	99.65	ug/l	100
48) Methyl methacrylate	9.20	41	751669	109.69	ug/l	100
49) 1,4-Dioxane	9.20	88	200902	2102.67	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	4178170	549.87	ug/l	100
52) Toluene	10.16	92	2178407	105.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1252800	106.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1395295	107.15	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	808189	95.32	ug/l	99
56) Ethyl methacrylate	10.43	69	1117464	113.55	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1349927	100.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2614364	582.21	ug/l	100
59) 2-Hexanone	10.75	43	2895227	568.10	ug/l	99
60) Dibromochloromethane	10.90	129	933739	100.48	ug/l	99
61) 1,2-Dibromoethane	11.01	107	823770	103.74	ug/l	99
64) Tetrachloroethene	10.63	164	864026	98.89	ug/l	100
65) Chlorobenzene	11.44	112	2360777	97.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	892628	95.69	ug/l	100
67) Ethyl Benzene	11.51	91	4173098	106.78	ug/l	100
68) m/p-Xylenes	11.62	106	3175779	214.91	ug/l	100
69) o-Xylene	11.95	106	1531729	107.98	ug/l	99
70) Styrene	11.97	104	2508973	109.68	ug/l	99
71) Bromoform	12.13	173	681802	102.57	ug/l	99
73) Isopropylbenzene	12.25	105	4077324	101.47	ug/l	100
74) N-amyl acetate	12.07	43	1294215	106.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1062652	88.47	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	867686m	88.22	ug/l	
77) Bromobenzene	12.53	156	1050288	94.69	ug/l	99
78) n-propylbenzene	12.59	91	4716022	103.30	ug/l	100
79) 2-Chlorotoluene	12.68	91	2774613	99.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3340410	103.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	329480	104.27	ug/l	97
82) 4-Chlorotoluene	12.78	91	2831445	100.77	ug/l	99
83) tert-Butylbenzene	12.99	119	2859749	101.51	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3424502	105.13	ug/l	99
85) sec-Butylbenzene	13.17	105	3866031	103.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	3406508	107.14	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1869825	96.90	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1835815	95.00	ug/l	99
89) n-Butylbenzene	13.62	91	2881419	109.93	ug/l	99
90) Hexachloroethane	13.88	117	628186	88.13	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1817876	95.89	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	180112	96.35	ug/l	98

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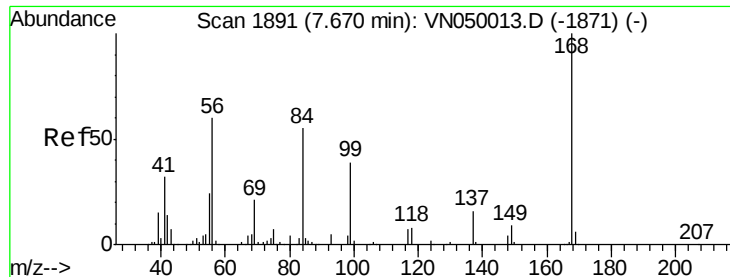
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1025728	117.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	549209	88.54	ug/l	99
95) Naphthalene	15.14	128	2437106	127.32	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	998993	110.28	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 702382

Ion Ratio Lower Upper

168 100

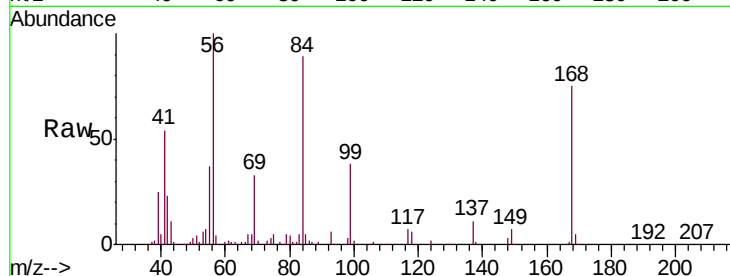
99 50.8 40.0 60.0

Manual Integrations

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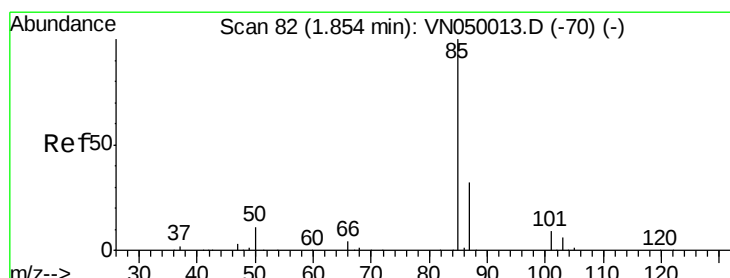
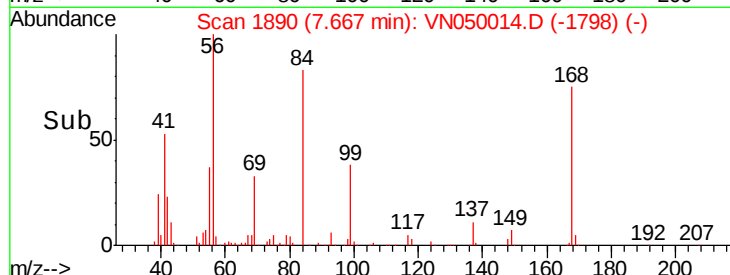
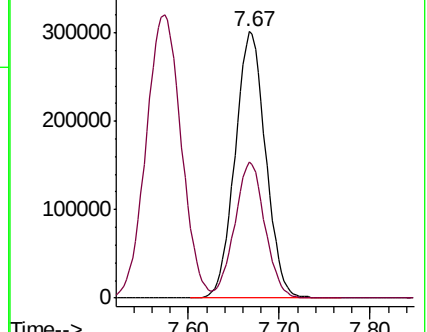
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Abundance Ion 167.90 (167.60 to 168.60): VN050013.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050013.D (-1871) (-)



#2

Dichlorodifluoromethane

Concen: 125.16 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050014.D

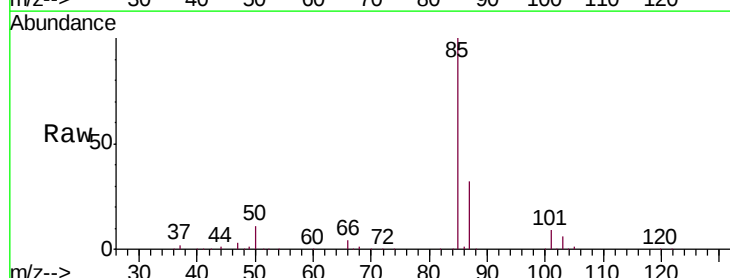
Acq: 23 Jul 2018 19:12

Tgt Ion: 85 Resp: 1030765

Ion Ratio Lower Upper

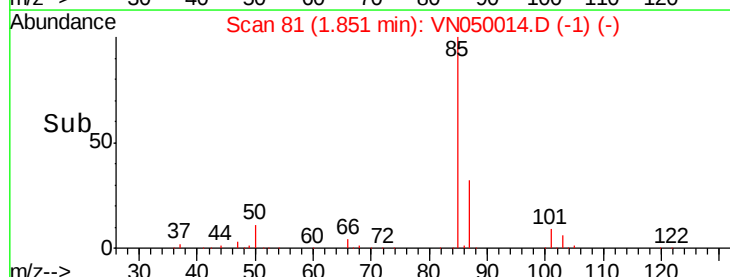
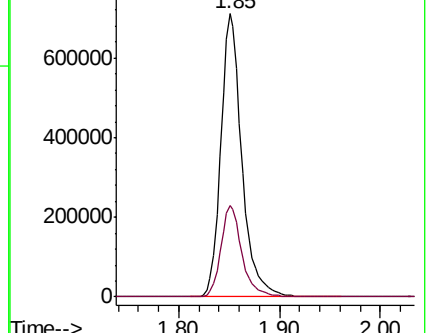
85 100

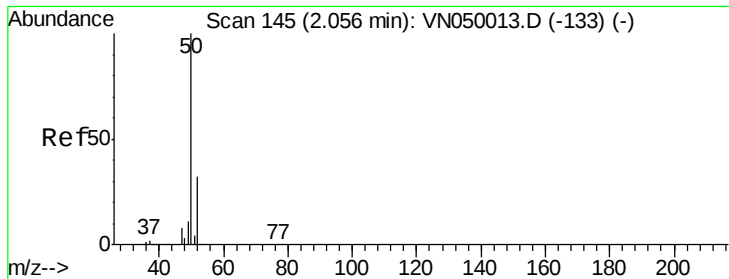
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050013.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050013.D (-70) (-)





#3

Chloromethane

Concen: 103.18 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1024561

Ion Ratio Lower Upper

50 100

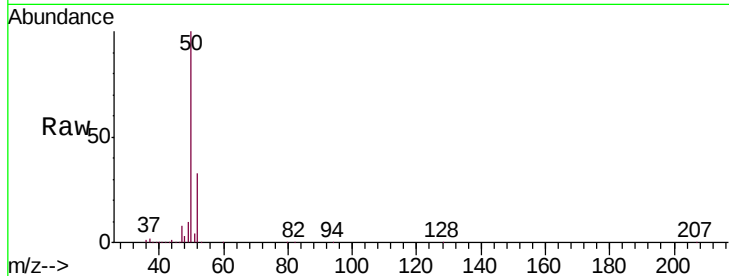
52 33.0 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

800000

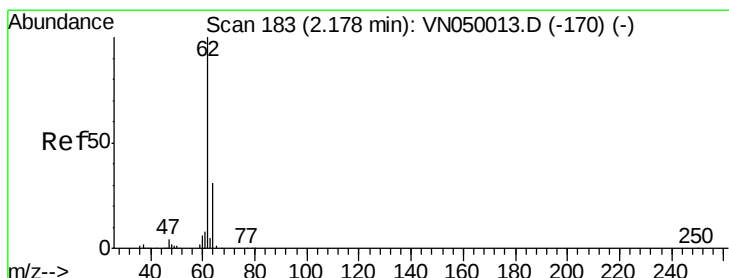
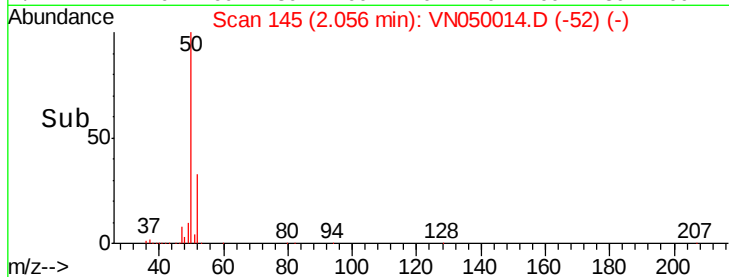
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 102.31 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050014.D

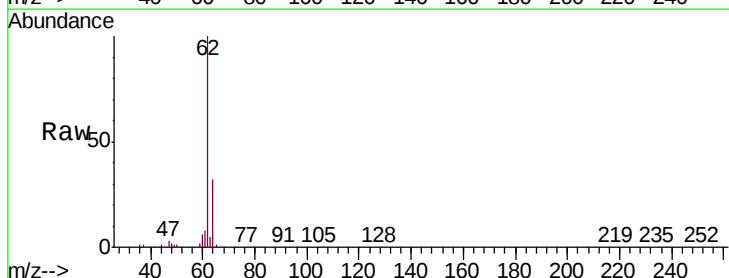
Acq: 23 Jul 2018 19:12

Tgt Ion: 62 Resp: 1077253

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

800000

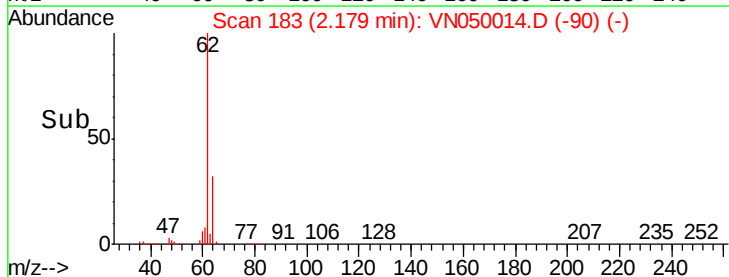
600000

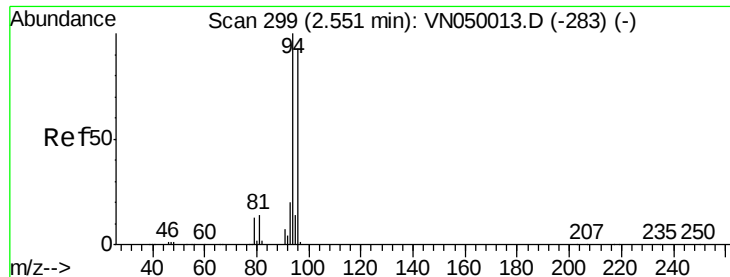
400000

200000

0

Time-->





#5

Bromomethane

Concen: 95.09 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 638913

Ion Ratio Lower Upper

94 100

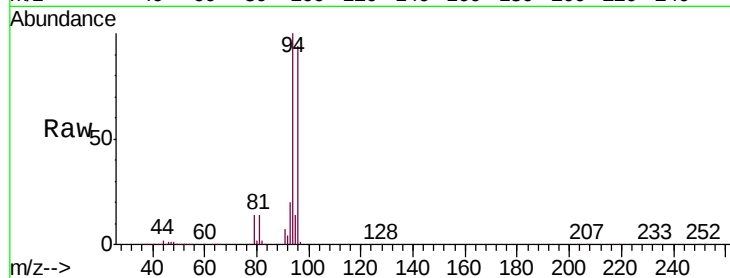
96 93.9 74.6 112.0

Manual Integrations

APPROVED

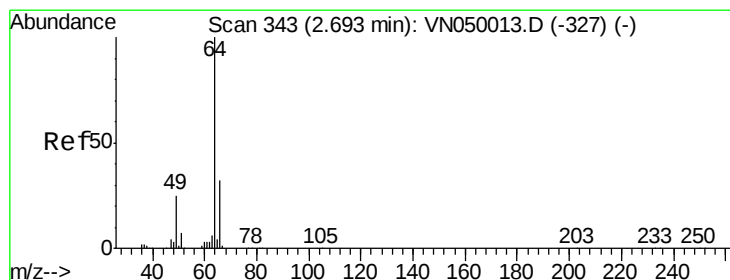
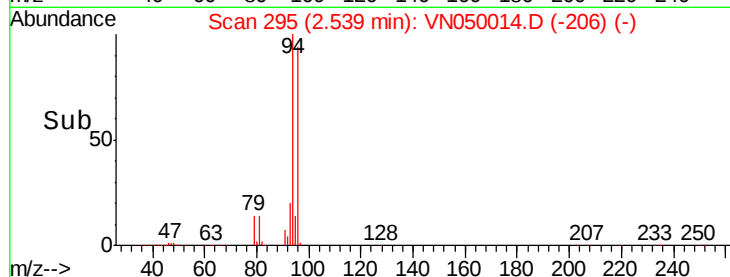
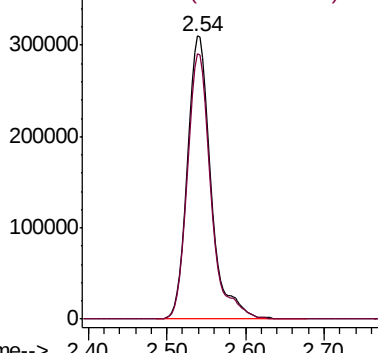
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 91.83 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050014.D

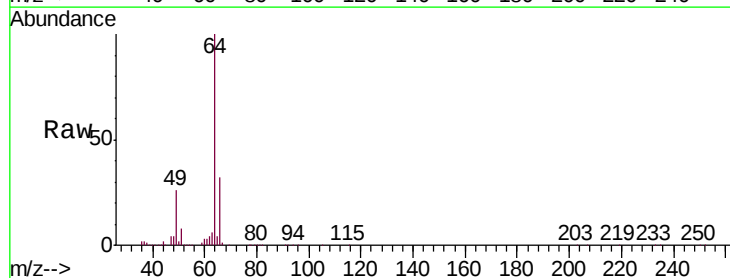
Acq: 23 Jul 2018 19:12

Tgt Ion: 64 Resp: 621261

Ion Ratio Lower Upper

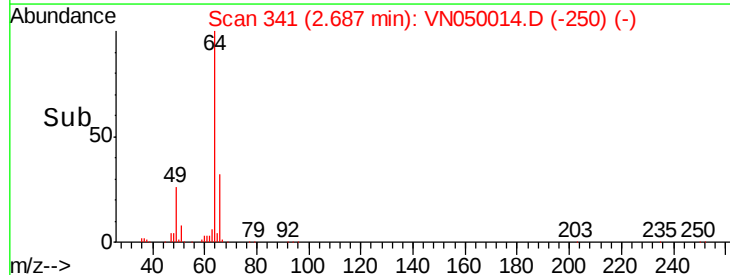
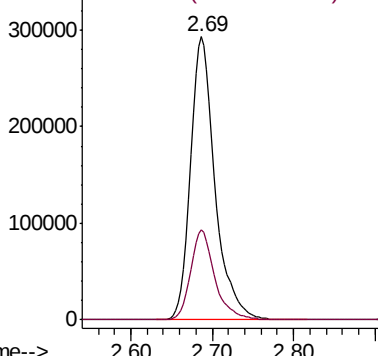
64 100

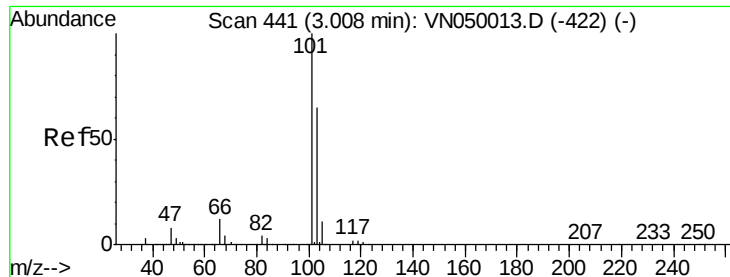
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 95.62 ug/l

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN050014.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 1366386

Ion Ratio Lower Upper

101 100

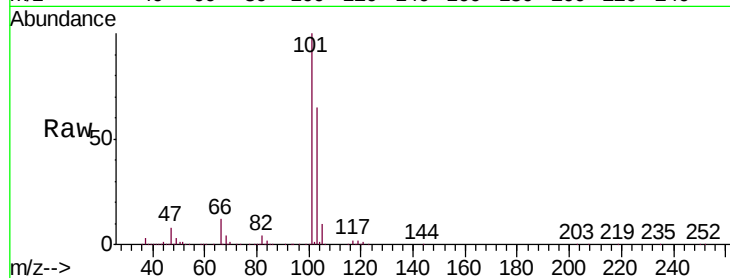
103 64.8 51.7 77.5

Manual Integrations

APPROVED

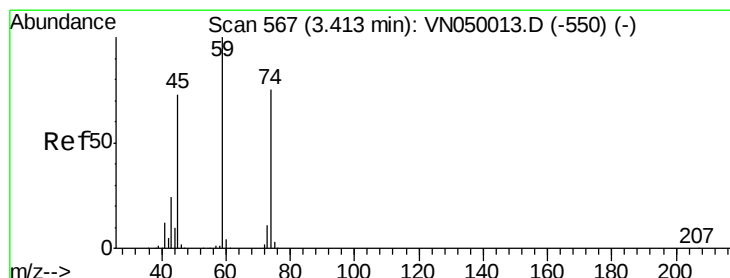
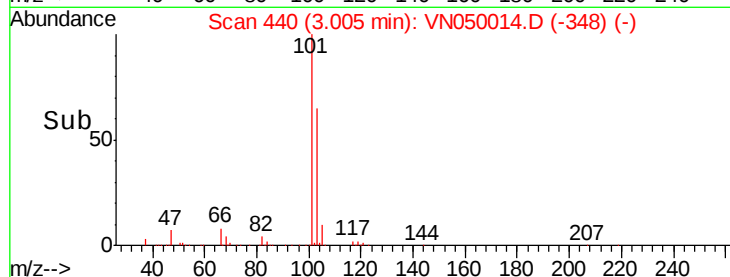
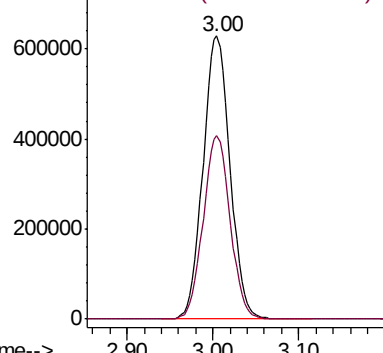
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 98.74 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050014.D

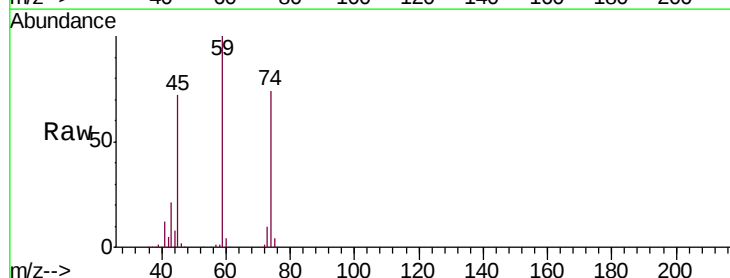
Acq: 23 Jul 2018 19:12

Tgt Ion: 74 Resp: 488220

Ion Ratio Lower Upper

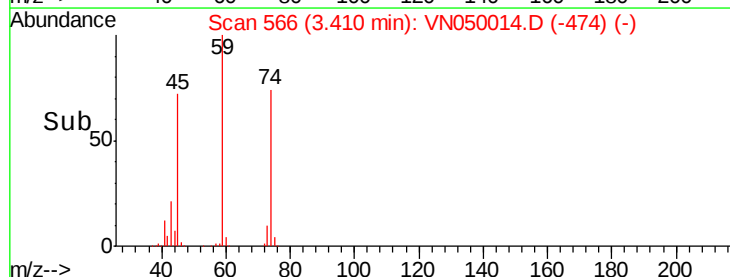
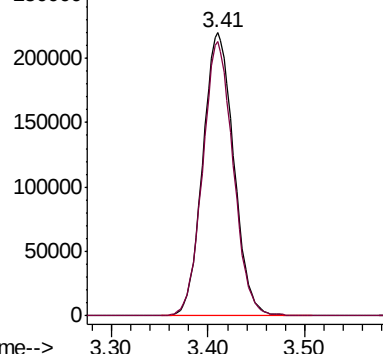
74 100

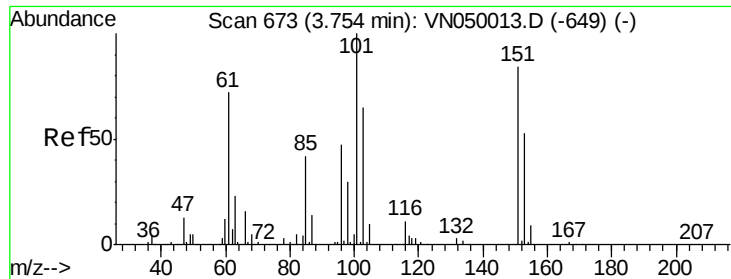
45 95.8 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.46 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

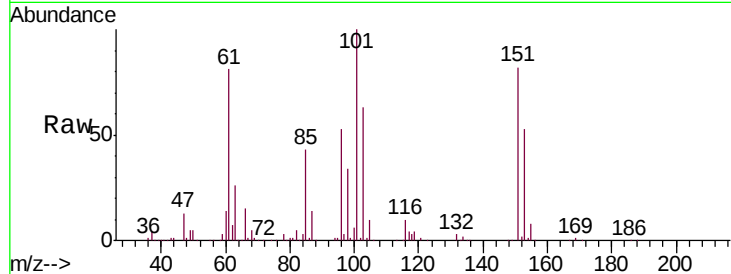
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	811050
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	83.2	66.3	99.5

Manual Integrations
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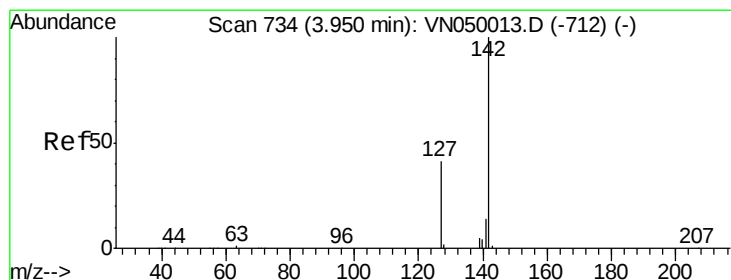
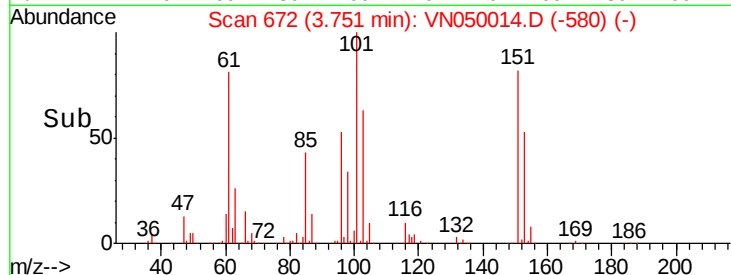
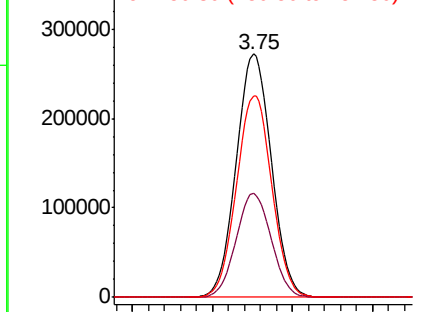
MMDadoda
7/26/2018 1:50:56 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 102.75 ug/l

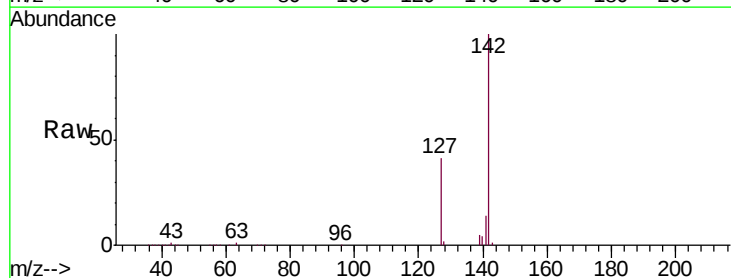
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

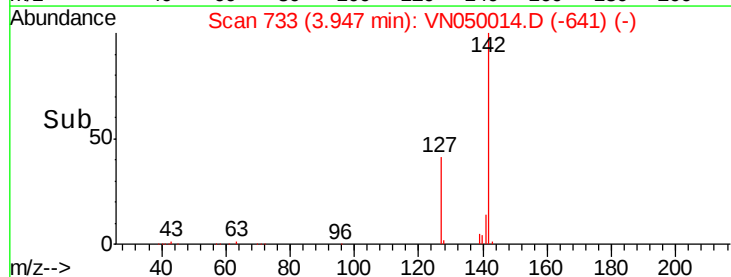
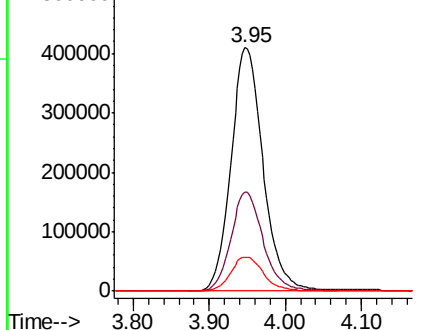
Tgt Ion:	142	Resp:	1200483
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.4	50.2
141	14.4	11.6	17.4

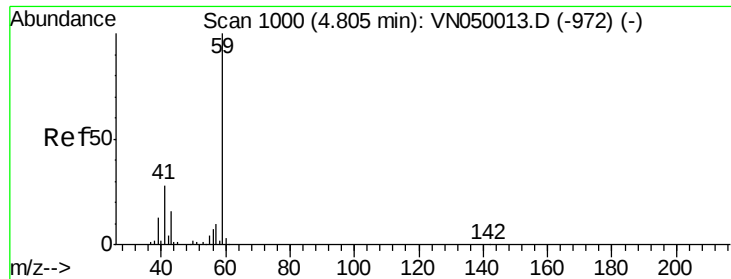


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

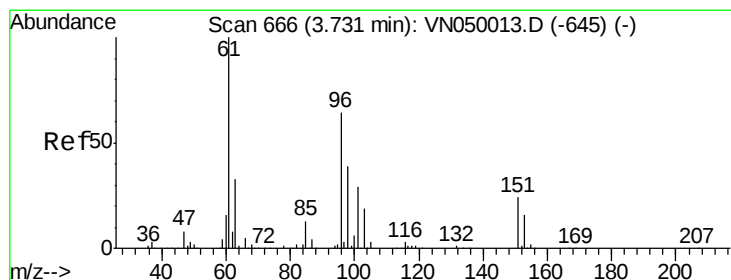
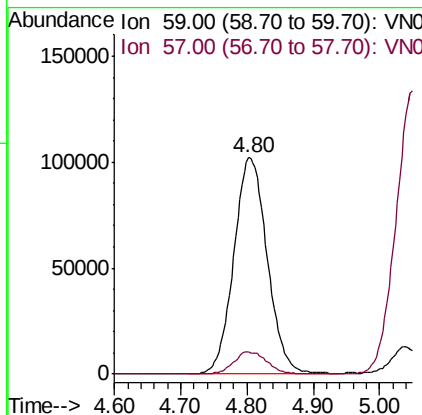
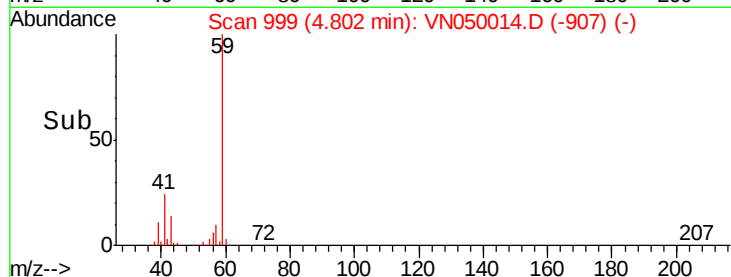
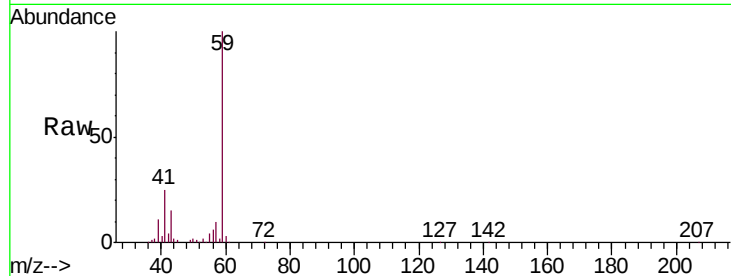
Tert butyl alcohol
 Concen: 516.25 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
 APPROVED

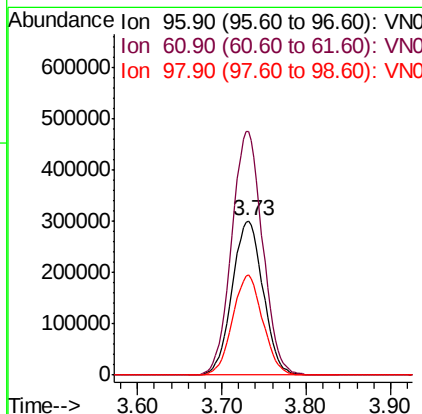
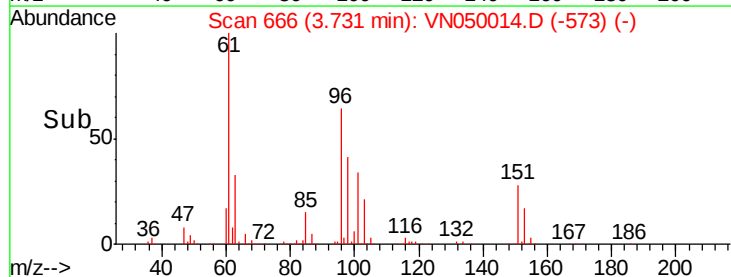
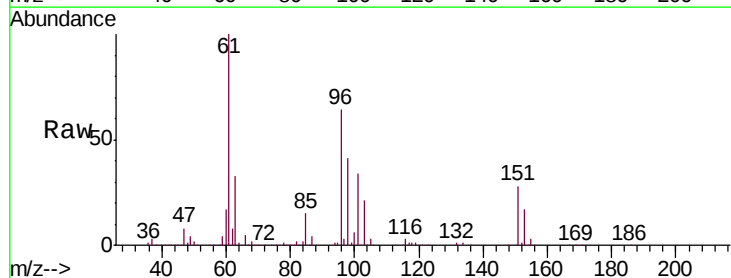
MMDadoda
 7/26/2018 1:50:56 PM

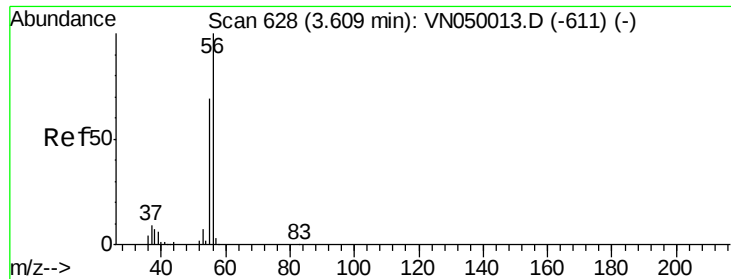


#12

1,1-Dichloroethene
 Concen: 99.33 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	124.4	186.6
98	64.6	48.3	72.5





#13

Acrolein

Concen: 633.90 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 297707

Ion Ratio Lower Upper

56 100

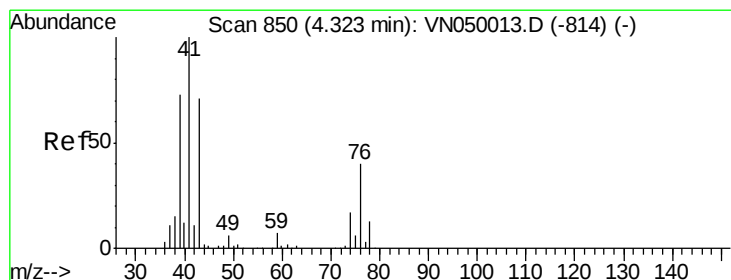
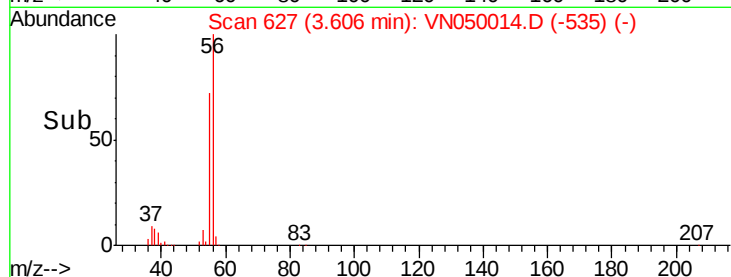
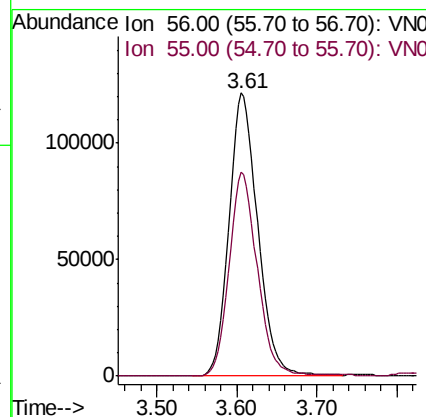
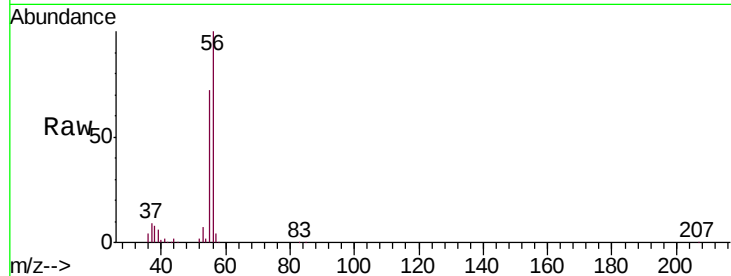
55 70.5 55.8 83.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 102.99 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

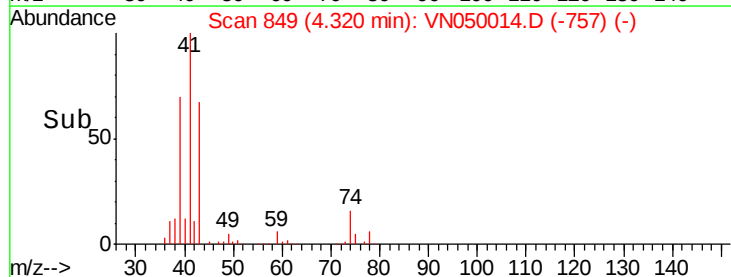
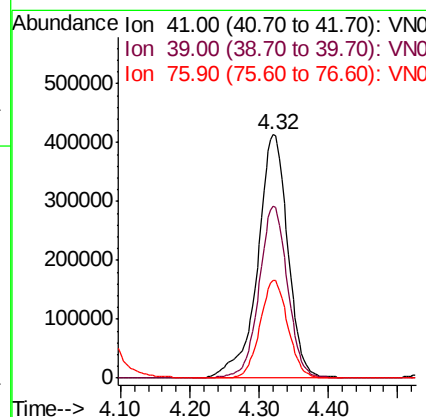
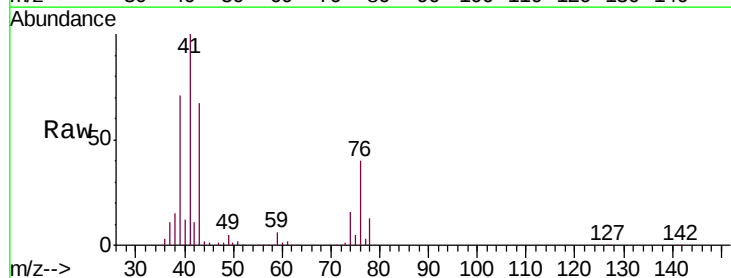
Tgt Ion: 41 Resp: 1248455

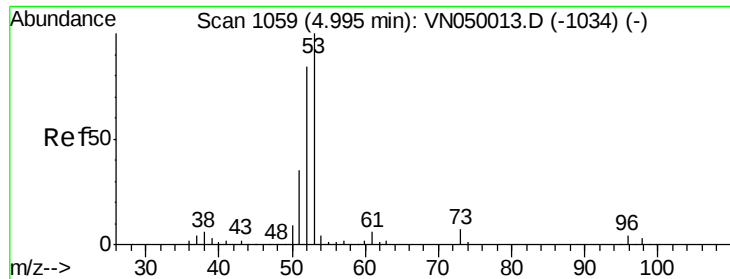
Ion Ratio Lower Upper

41 100

39 66.9 54.2 81.4

76 36.6 29.0 43.6





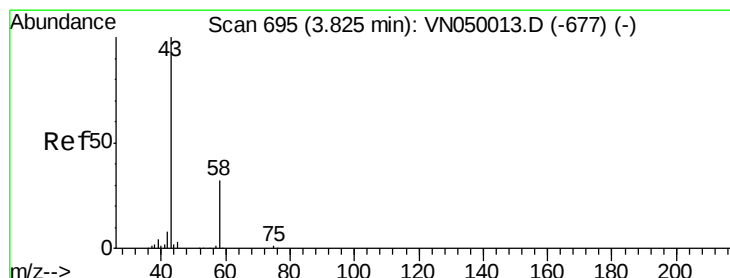
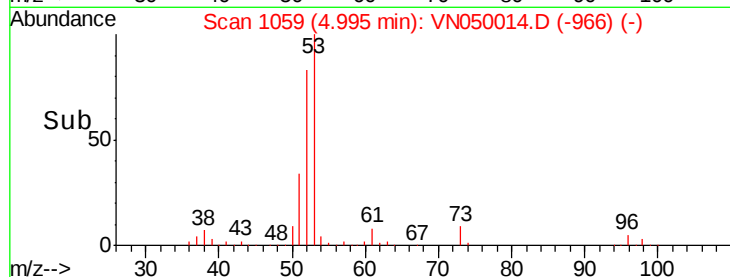
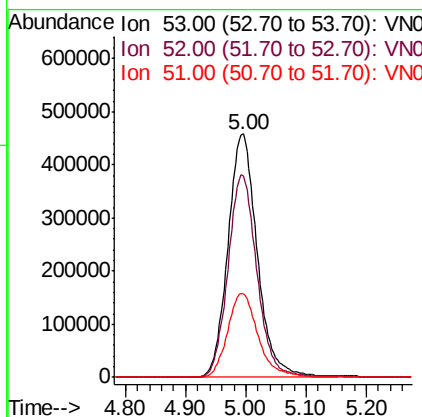
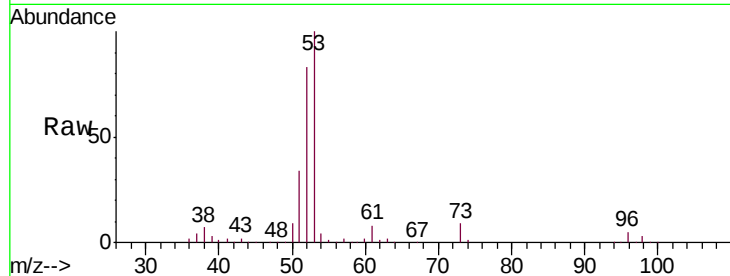
#15
 Acrylonitrile
 Concen: 513.04 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	53	Resp	1556774
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.0	29.3	43.9

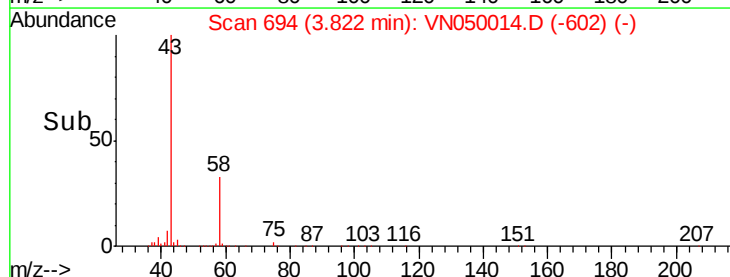
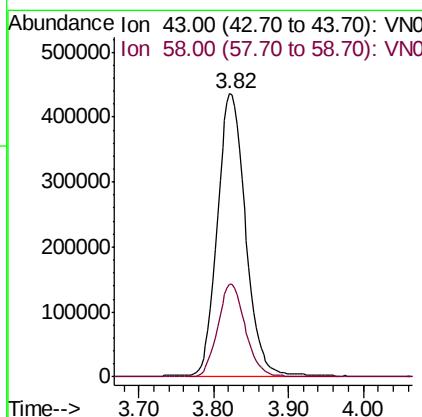
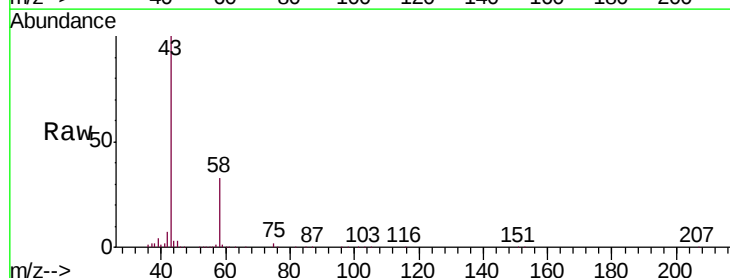
Manual Integrations
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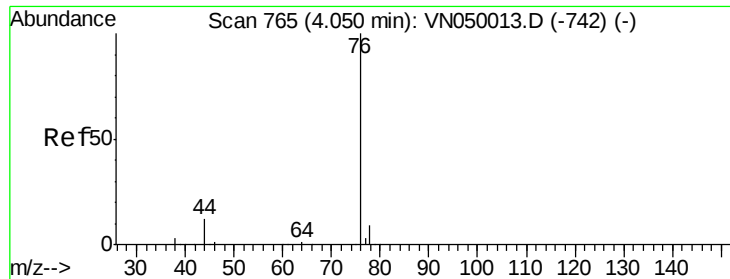
MMDadoda
 7/26/2018 1:50:56 PM



#16
 Acetone
 Concen: 448.72 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	43	Resp	1129245
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.8	38.8





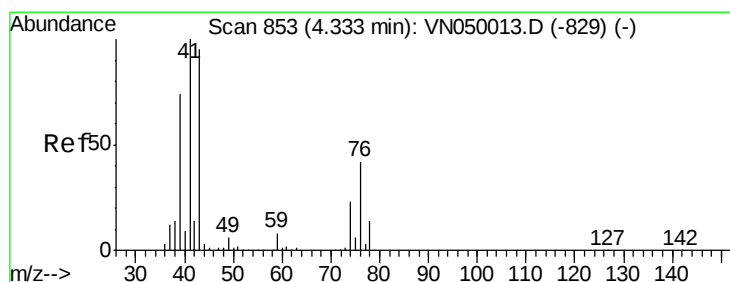
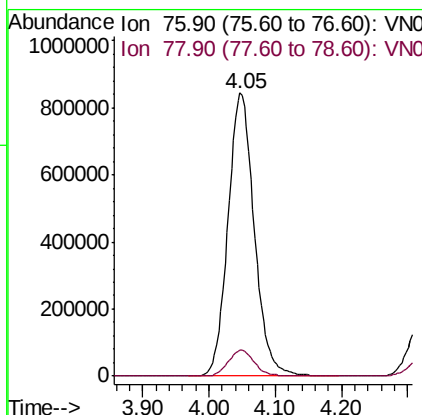
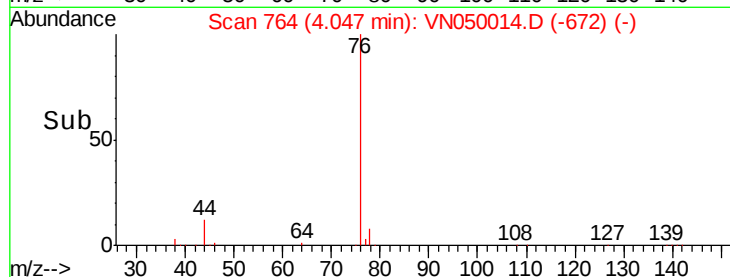
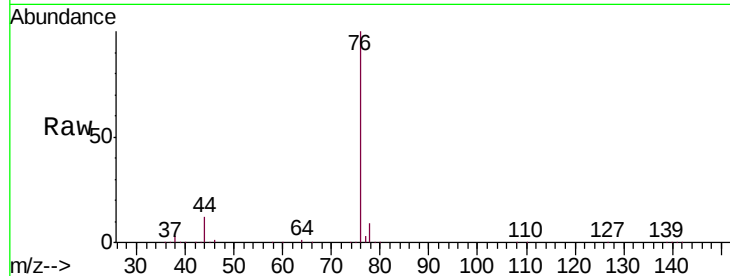
#17
Carbon Disulfide
Concen: 99.98 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 2324169
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

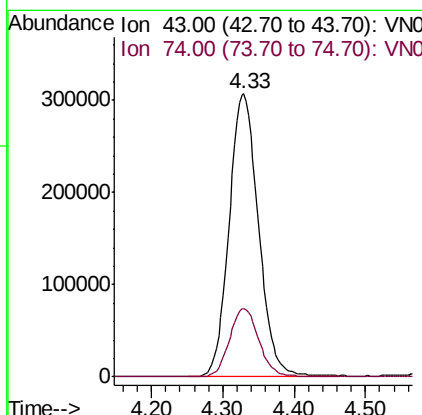
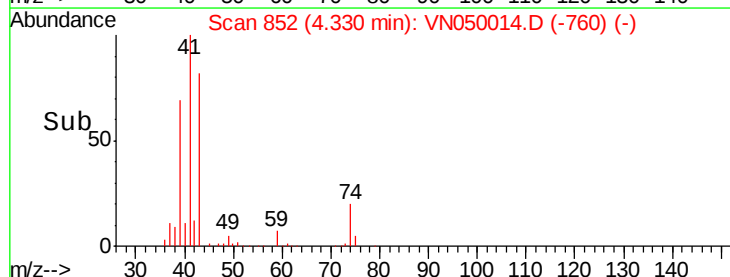
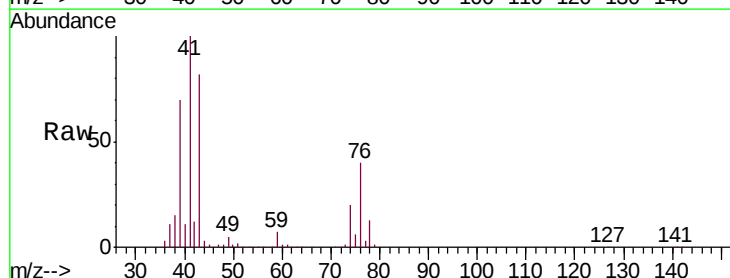
Manual Integrations
APPROVED

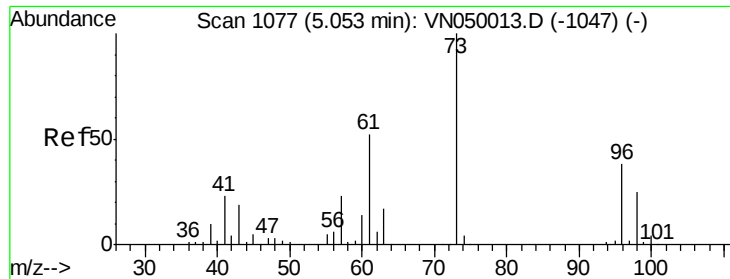
MMDadoda
7/26/2018 1:50:56 PM



#18
Methyl Acetate
Concen: 91.22 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 43 Resp: 878515
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8





#19

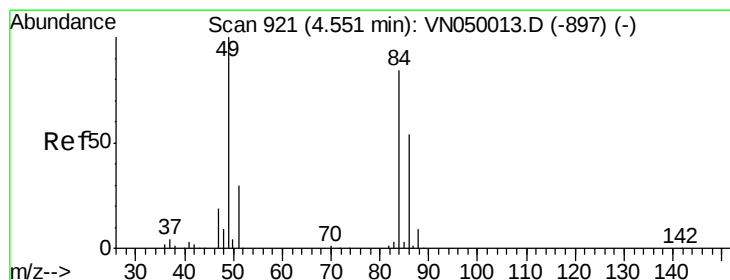
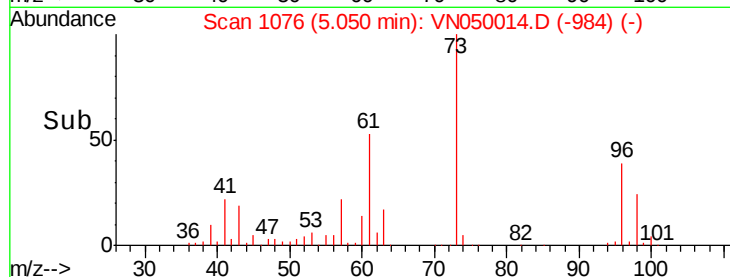
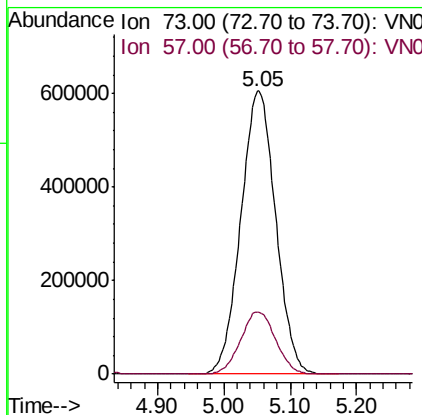
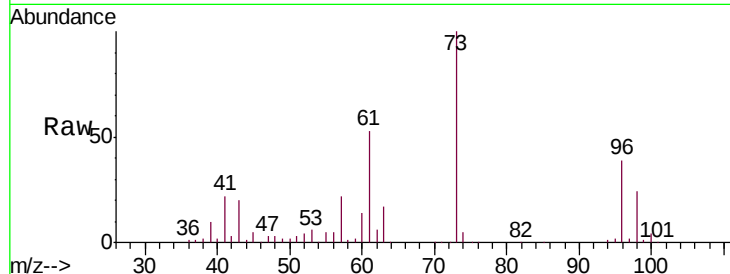
Methyl tert-butyl Ether
 Concen: 104.74 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 2207719
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.0 27.0

Manual Integrations
 APPROVED

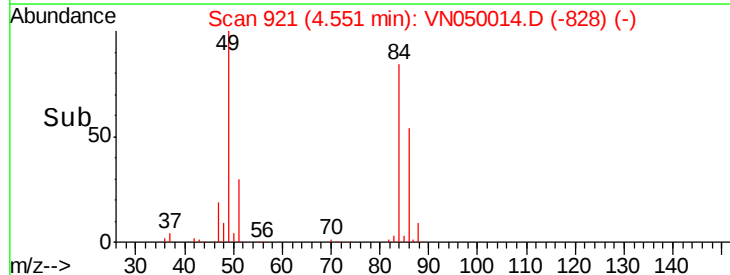
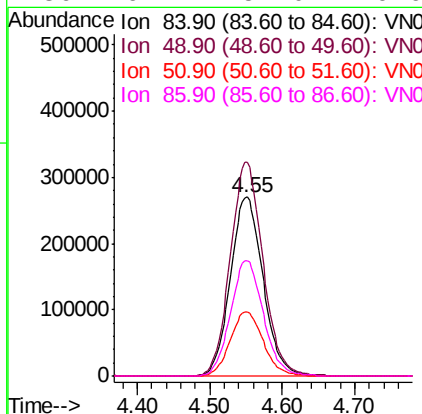
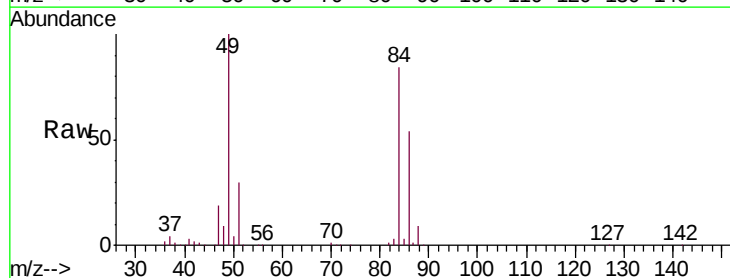
MMDadoda
 7/26/2018 1:50:56 PM

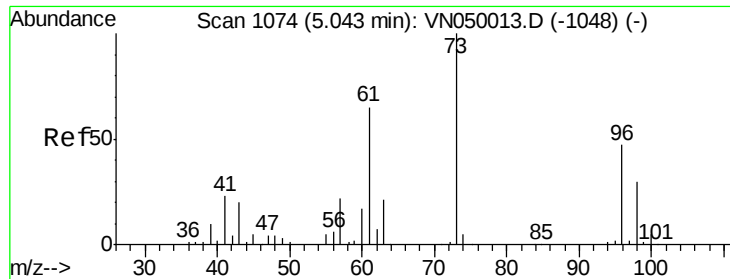


#20

Methylene Chloride
 Concen: 88.85 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion: 84 Resp: 850499
 Ion Ratio Lower Upper
 84 100
 49 119.5 94.8 142.2
 51 35.9 28.3 42.5
 86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 100.62 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 820972

Ion Ratio Lower Upper

96 100

61 136.9 110.7 166.1

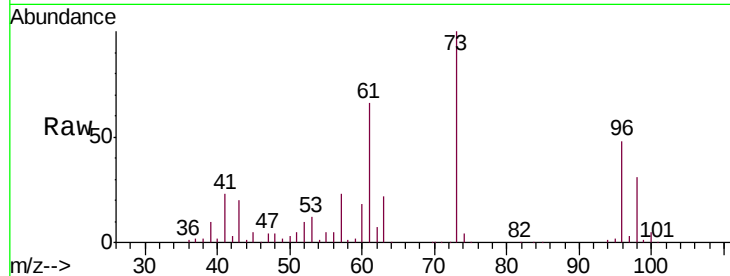
98 63.4 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

7/26/2018 1:50:56 PM

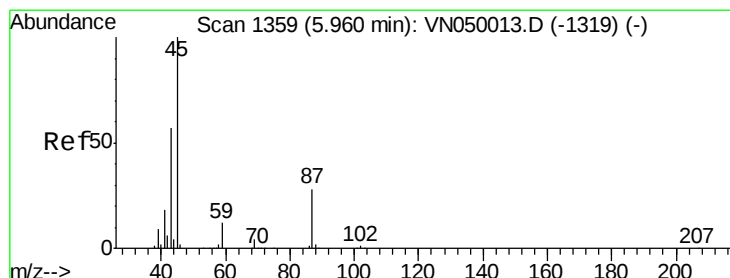
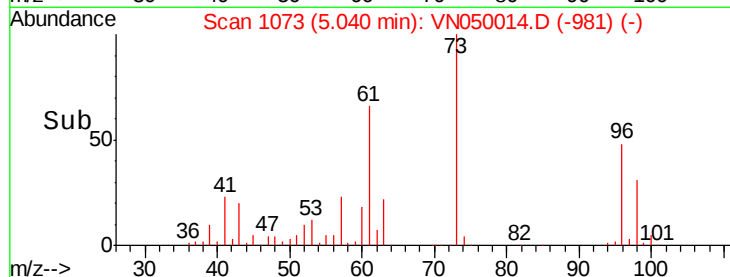
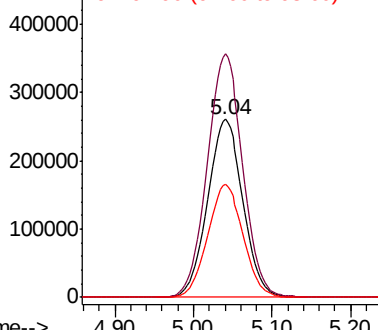


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 104.48 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Tgt Ion: 45 Resp: 2567881

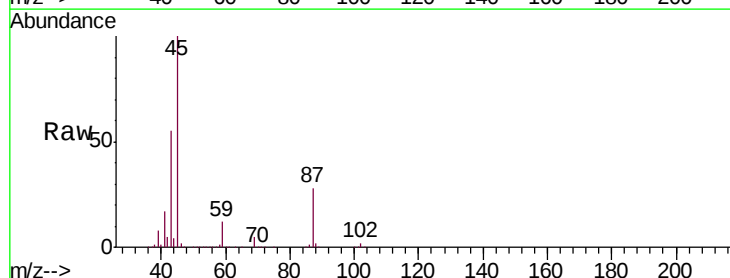
Ion Ratio Lower Upper

45 100

43 54.6 45.7 68.5

87 28.0 22.7 34.1

59 12.1 9.5 14.3



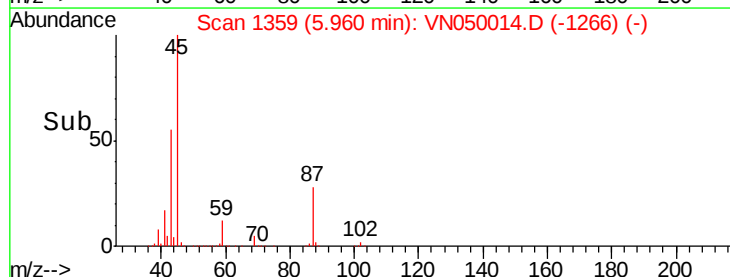
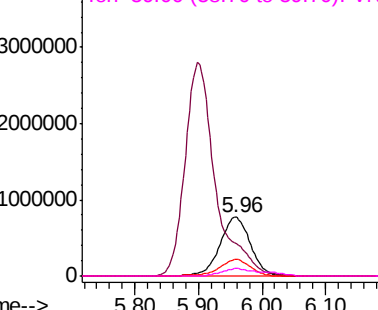
Abundance

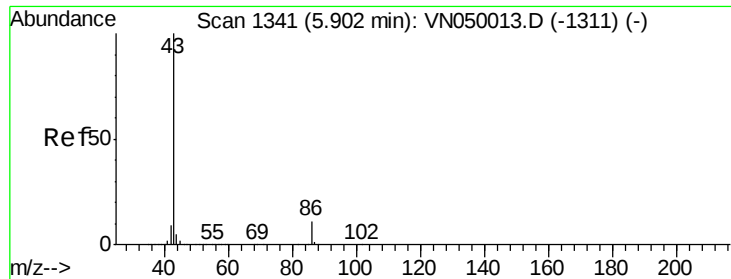
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 541.84 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 9332596

Ion Ratio Lower Upper

43 100

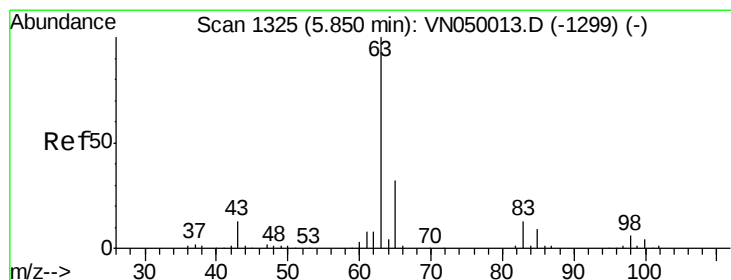
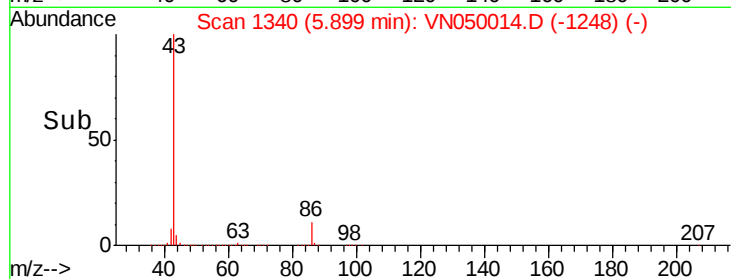
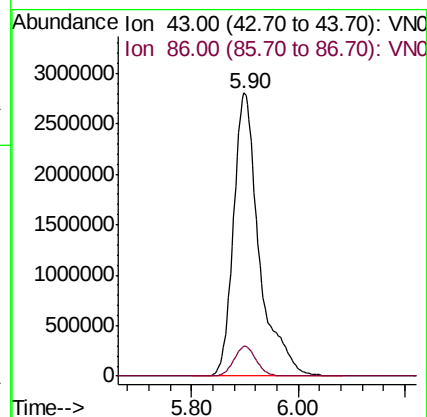
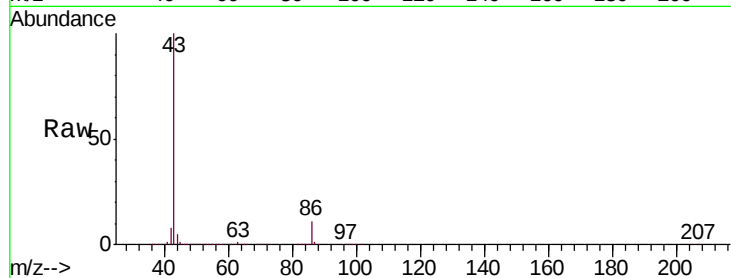
86 10.6 8.6 13.0

Manual Integrations

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7/26/2018 1:50:56 PM



#24

1,1-Dichloroethane

Concen: 95.46 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

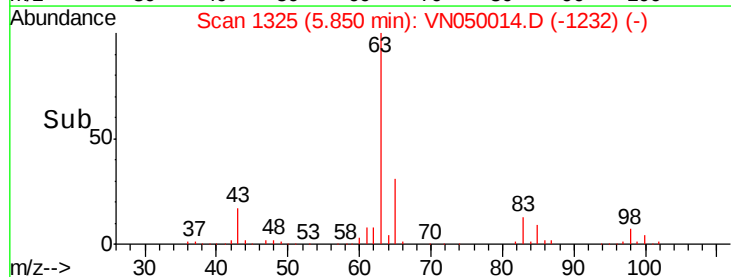
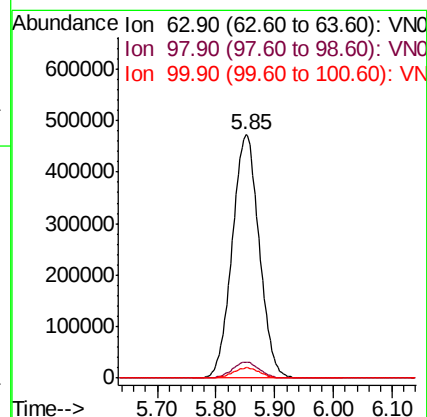
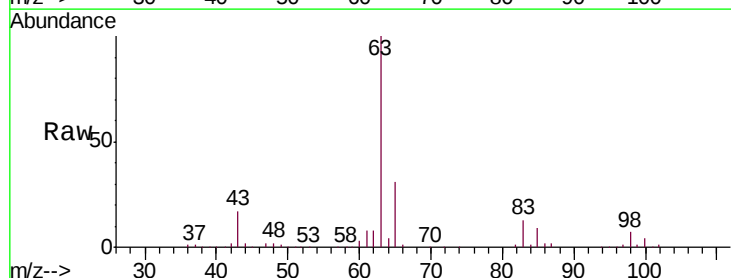
Tgt Ion: 63 Resp: 1513860

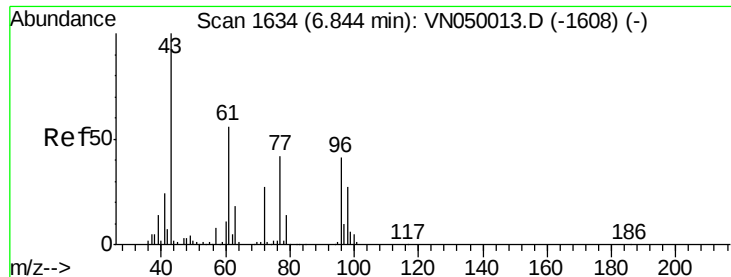
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 524.73 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1886821

Ion Ratio Lower Upper

43 100

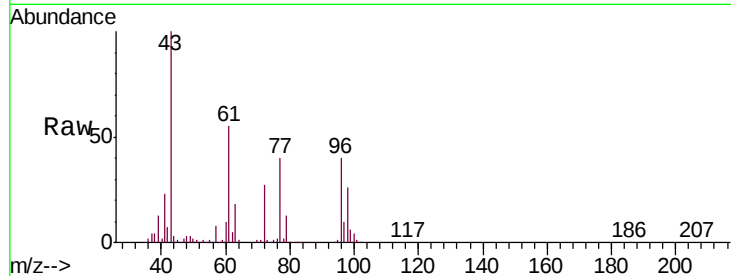
72 27.0 21.5 32.3

Manual Integrations

APPROVED

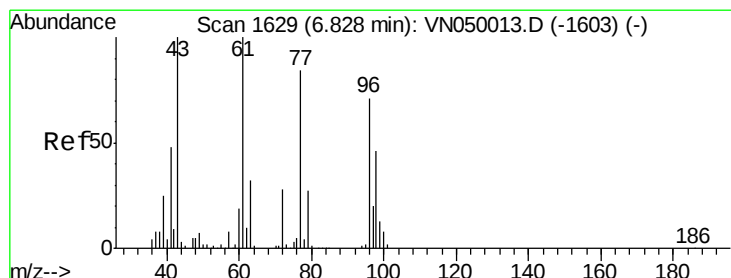
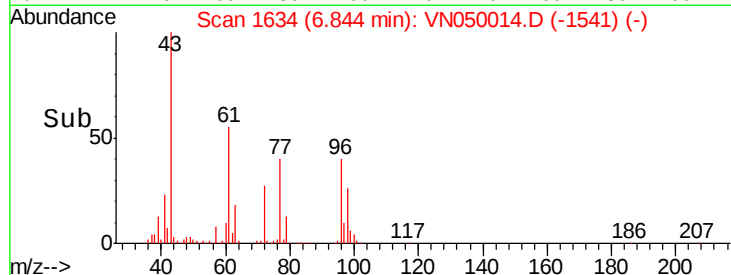
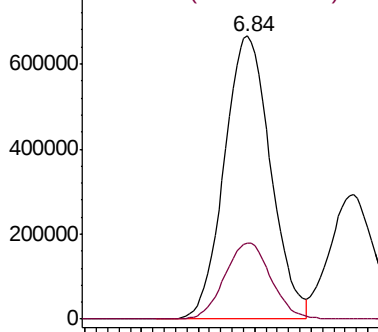
MMDadoda

7/26/2018 1:50:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 92.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050014.D

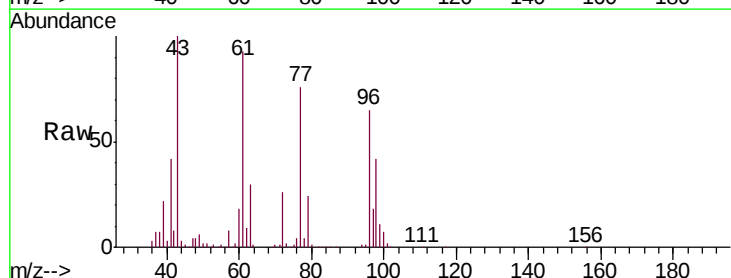
Acq: 23 Jul 2018 19:12

Tgt Ion: 77 Resp: 1140931

Ion Ratio Lower Upper

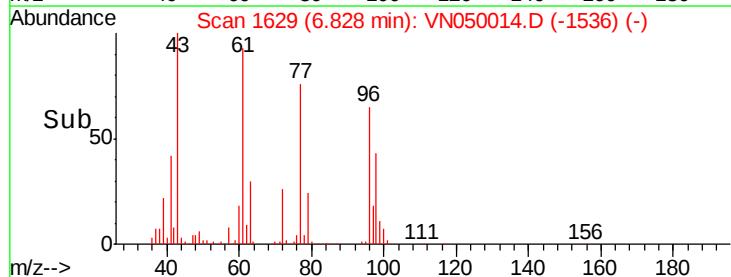
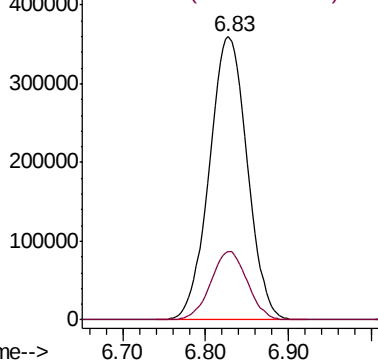
77 100

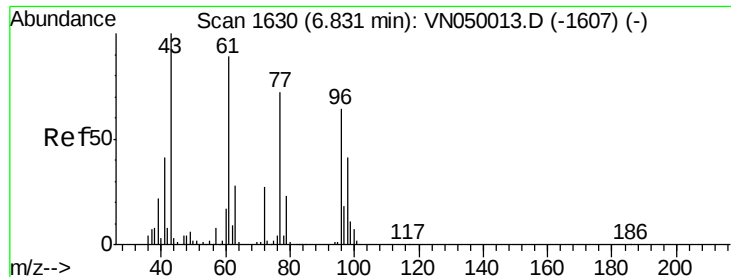
97 23.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





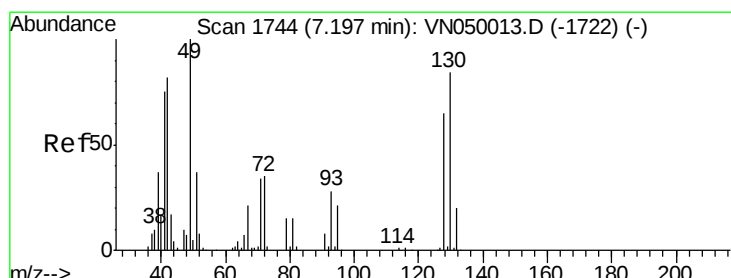
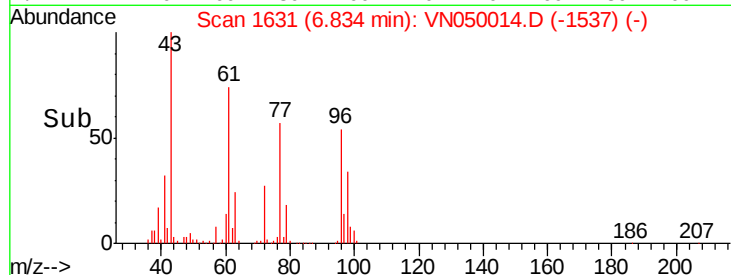
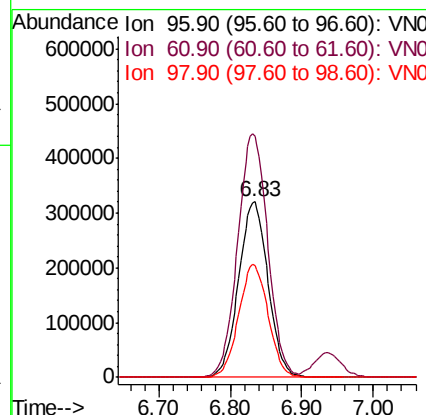
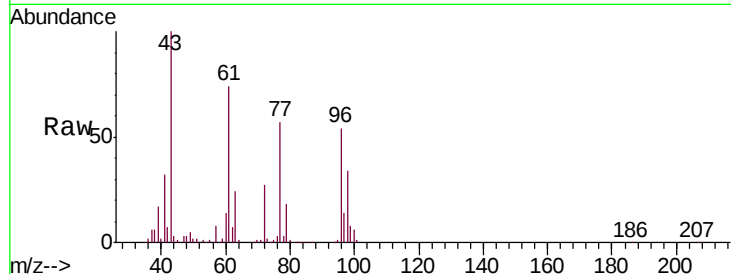
#27
 cis-1,2-Dichloroethene
 Concen: 103.44 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.6	0.0	285.0	
98	64.5	0.0	129.2	

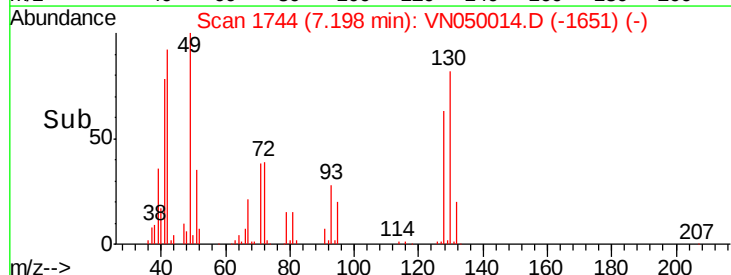
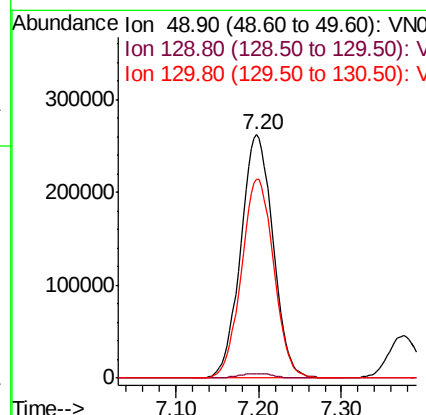
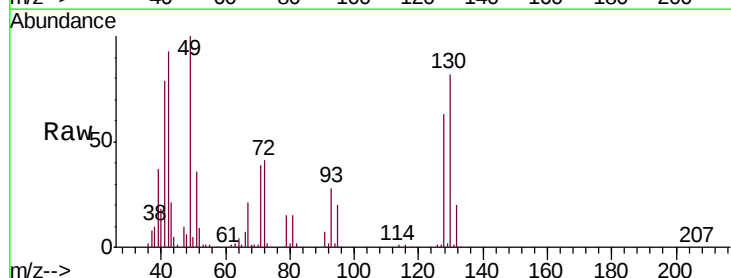
Manual Integrations
 APPROVED

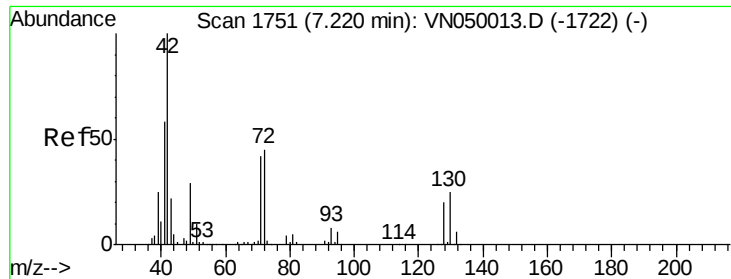
MMDadoda
 7/26/2018 1:50:56 PM



#28
 Bromochloromethane
 Concen: 99.87 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	82.0	66.3	99.5	





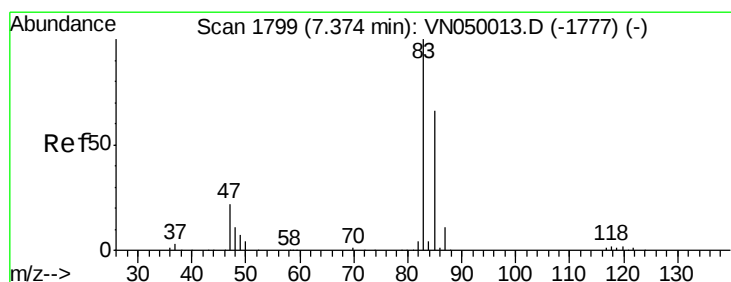
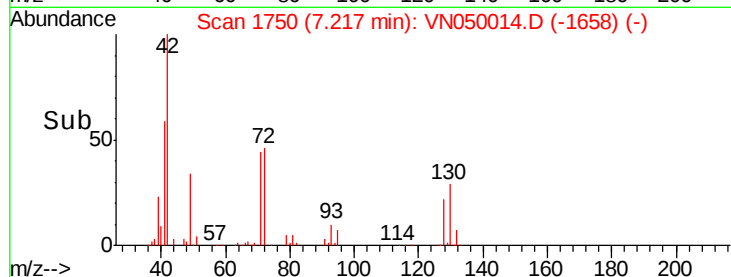
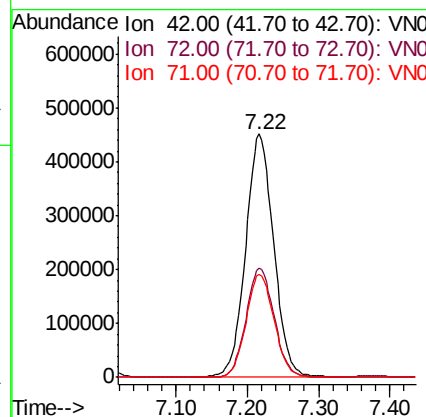
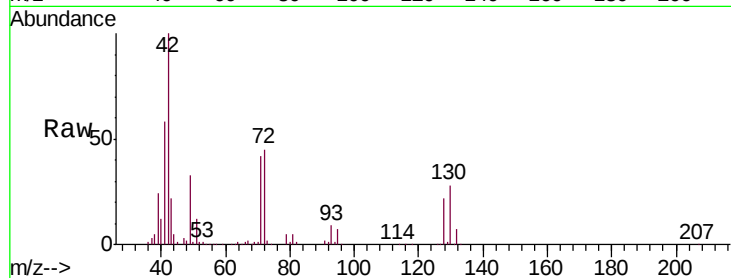
#29
Tetrahydrofuran
Concen: 546.82 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1236995
Ion Ratio Lower Upper
42 100
72 44.9 35.9 53.9
71 42.4 33.7 50.5

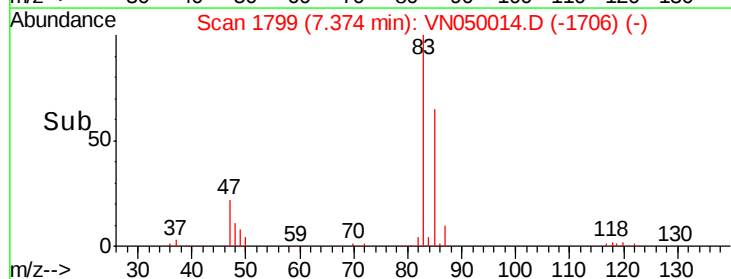
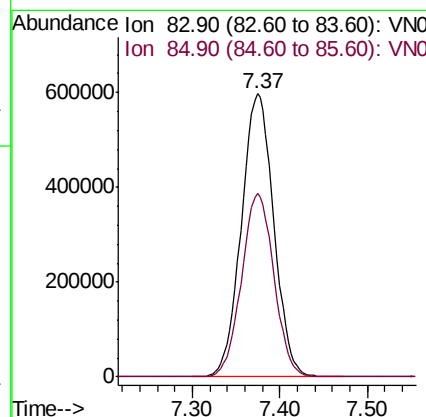
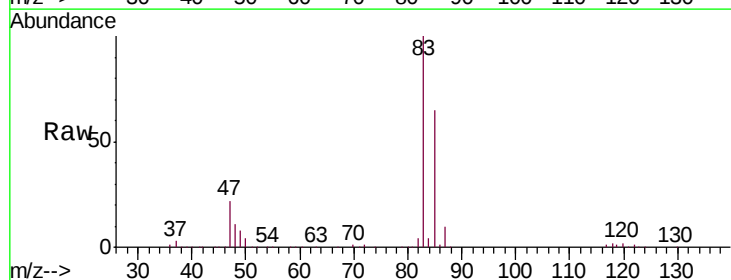
Manual Integrations
APPROVED

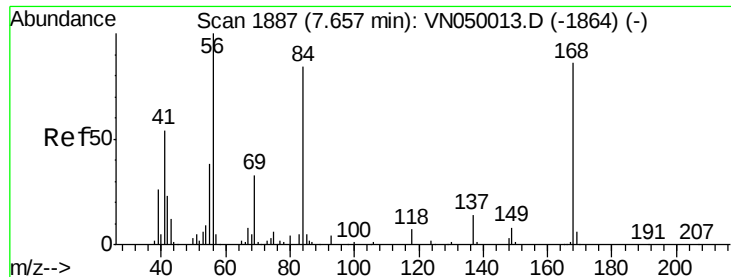
MMDadoda
7/26/2018 1:50:56 PM



#30
Chloroform
Concen: 94.57 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 83 Resp: 1534192
Ion Ratio Lower Upper
83 100
85 64.6 52.5 78.7





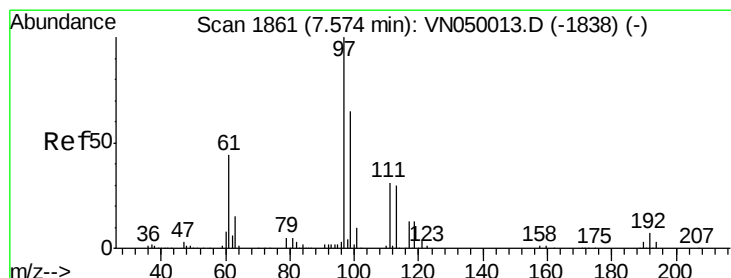
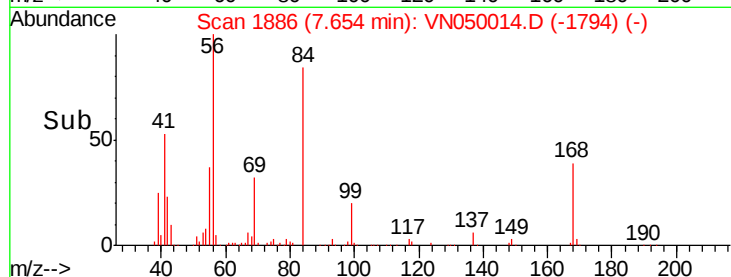
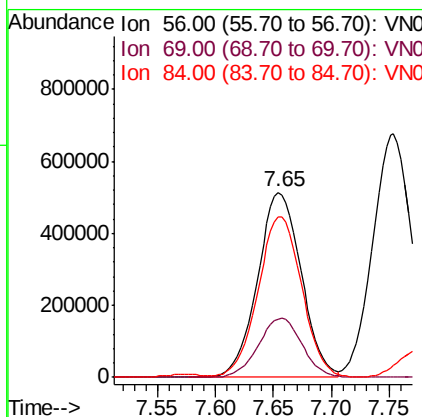
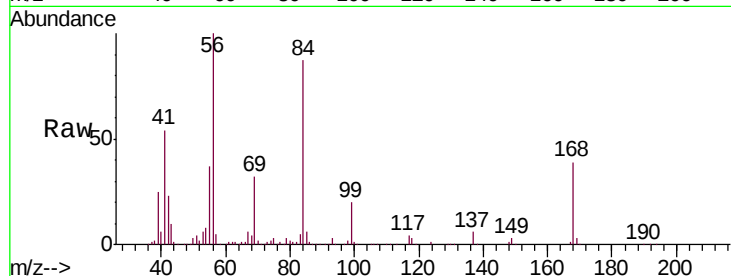
#31
Cyclohexane
Concen: 90.45 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 56 Resp: 1343478
Ion Ratio Lower Upper
56 100
69 31.6 26.2 39.4
84 85.4 67.4 101.0

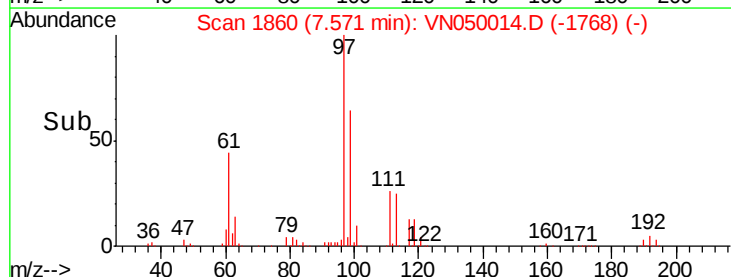
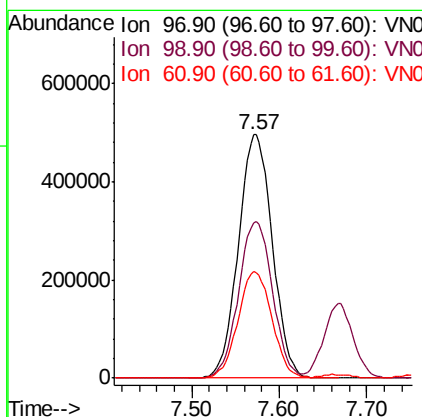
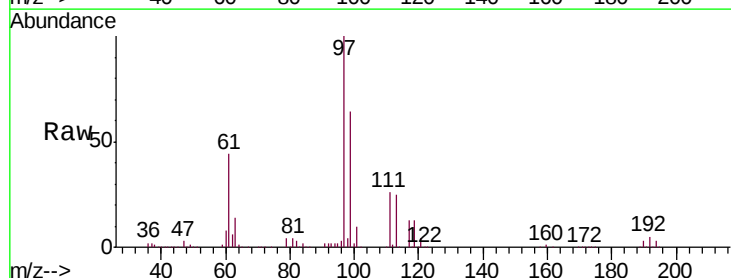
Manual Integrations
APPROVED

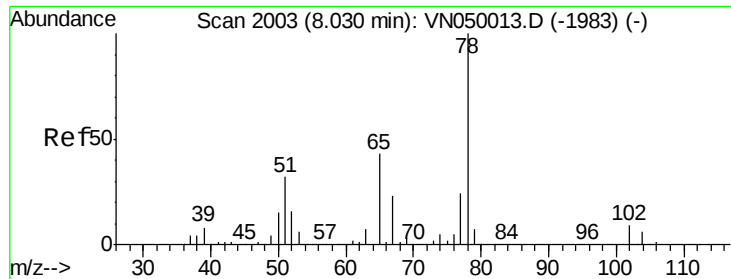
MMDadoda
7/26/2018 1:50:56 PM



#32
1,1,1-Trichloroethane
Concen: 95.13 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 97 Resp: 1336171
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 43.7 35.4 53.0





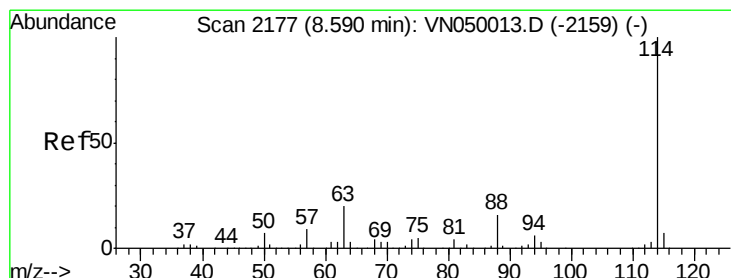
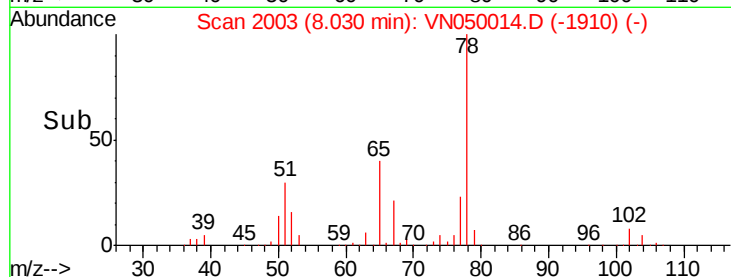
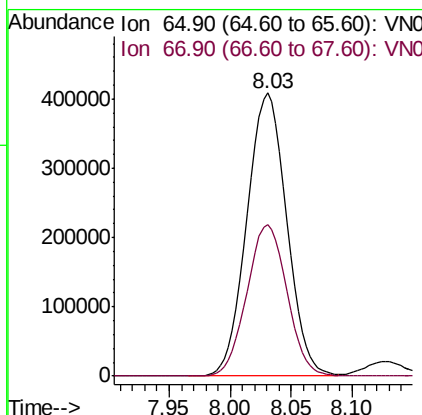
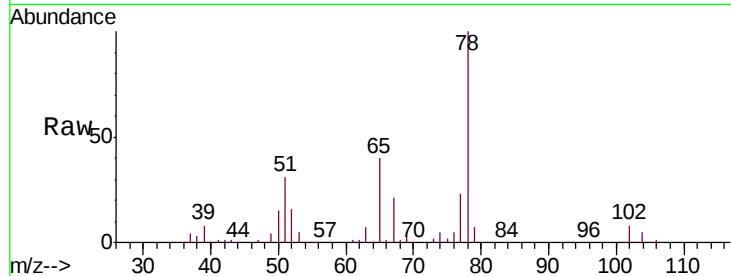
#33
 1,2-Dichloroethane-d4
 Concen: 95.85 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 925386
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4

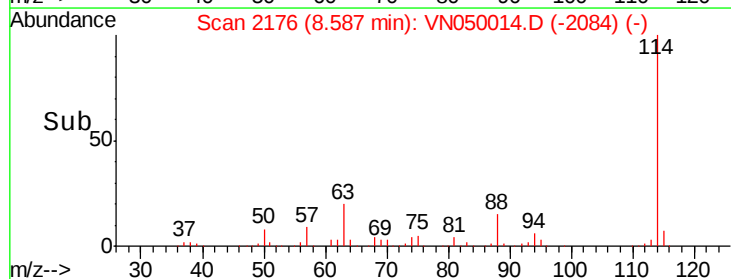
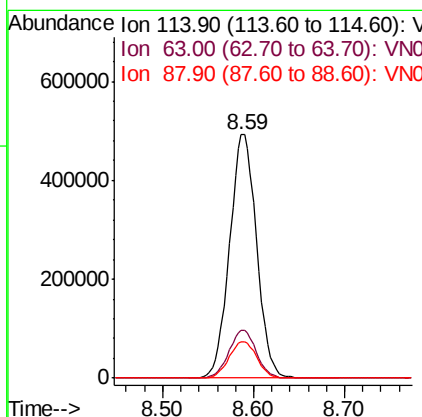
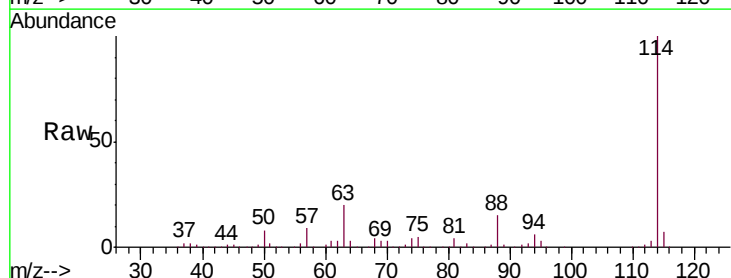
Manual Integrations
 APPROVED

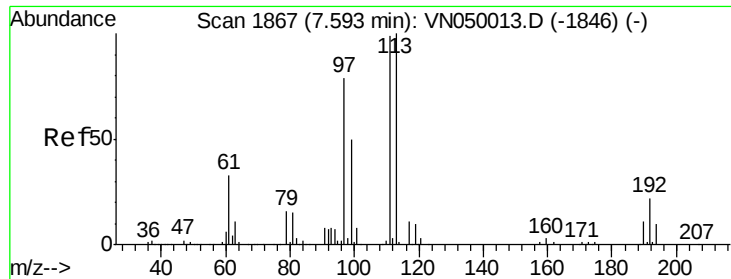
MMDadoda
 7/26/2018 1:50:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion: 114 Resp: 1014136
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.0 0.0 31.2





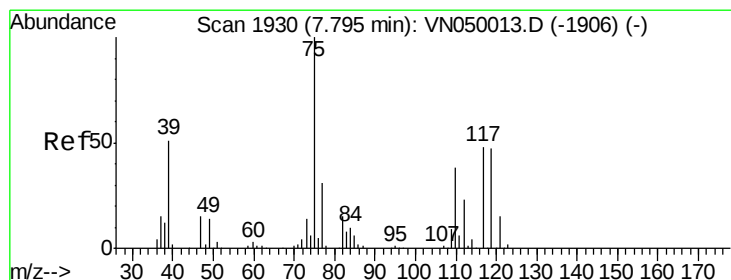
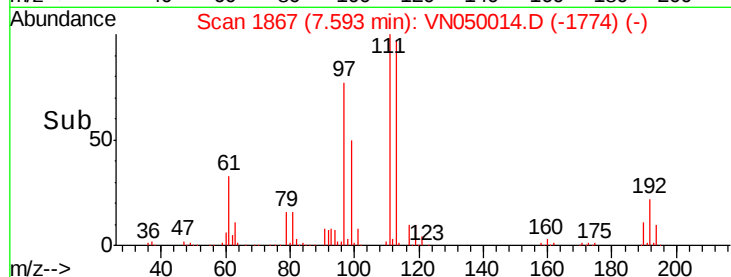
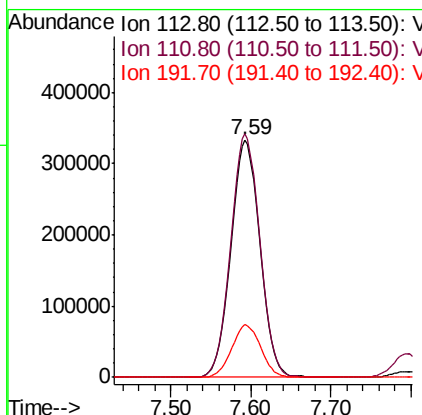
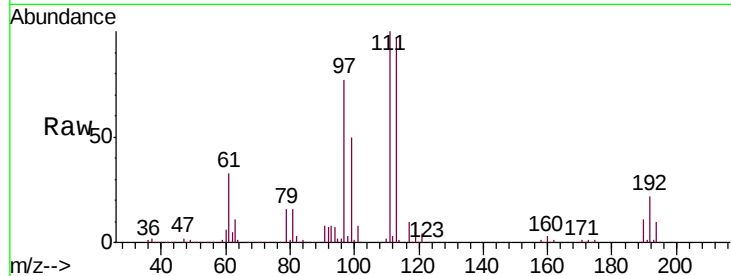
#35
Dibromofluoromethane
Concen: 95.85 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.7	121.1
192	22.1	17.8	26.6

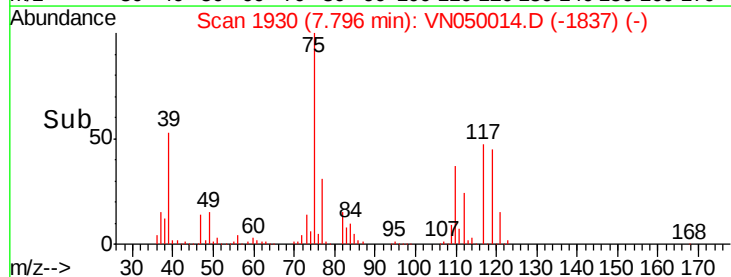
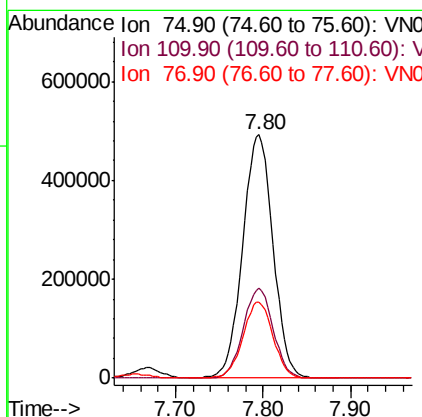
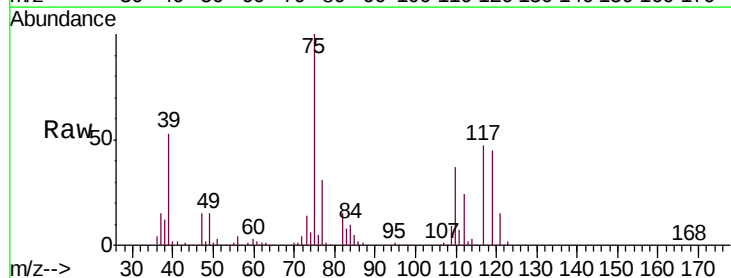
Manual Integrations
APPROVED

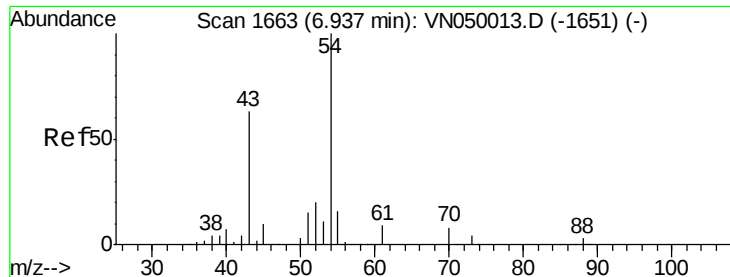
MMDadoda
7/26/2018 1:50:56 PM



#36
1,1-Dichloropropene
Concen: 103.99 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.2
77	31.2	25.3	37.9





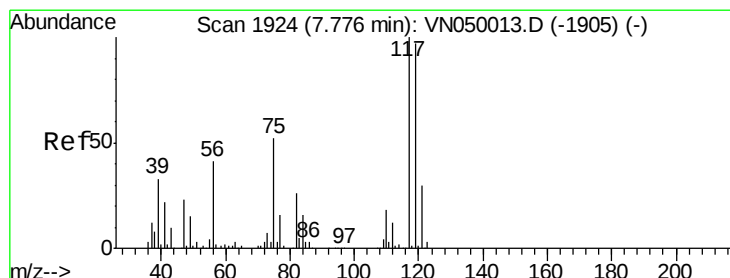
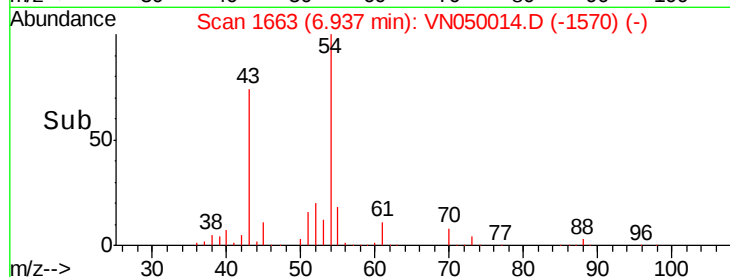
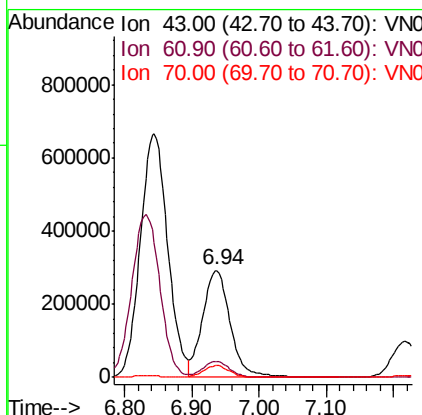
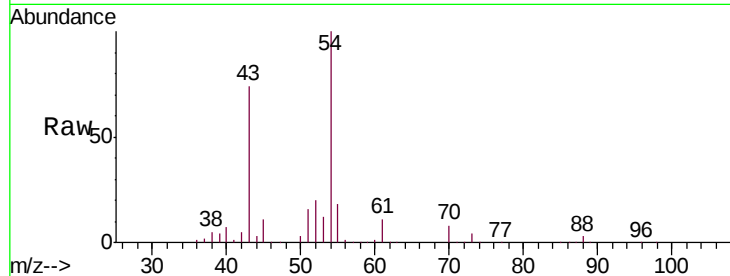
#37
Ethyl Acetate
Concen: 106.39 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.7	8.4	12.6

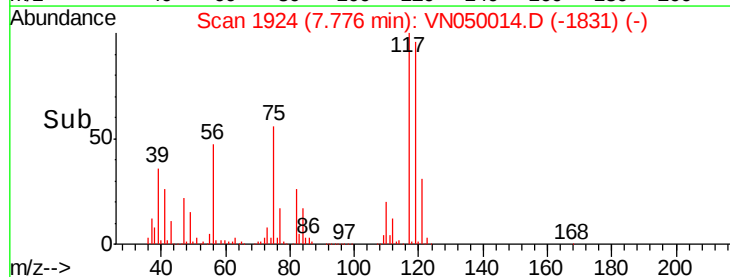
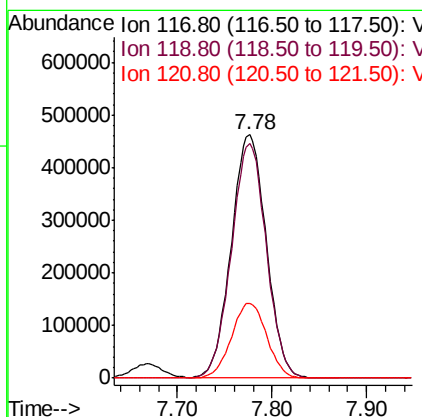
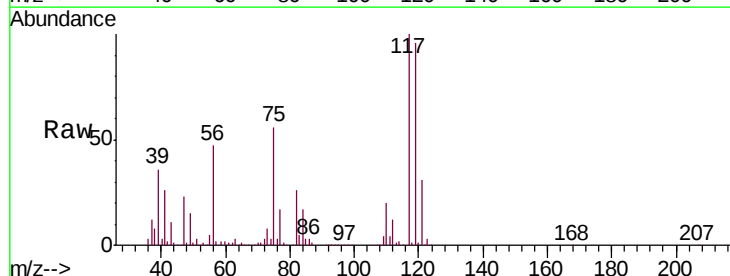
Manual Integrations
APPROVED

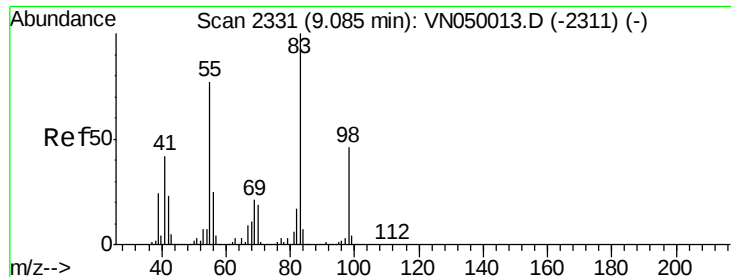
MMDadoda
7/26/2018 1:50:56 PM



#38
Carbon Tetrachloride
Concen: 97.84 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	30.8	23.9	35.9





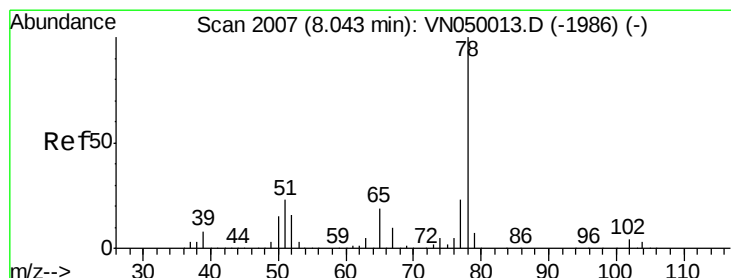
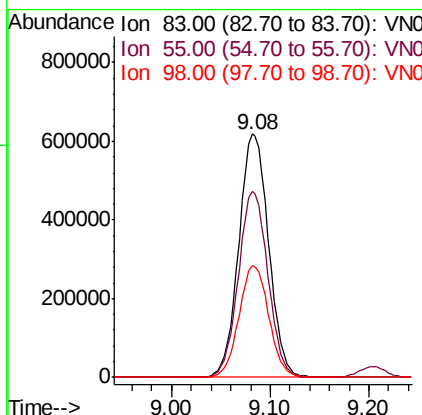
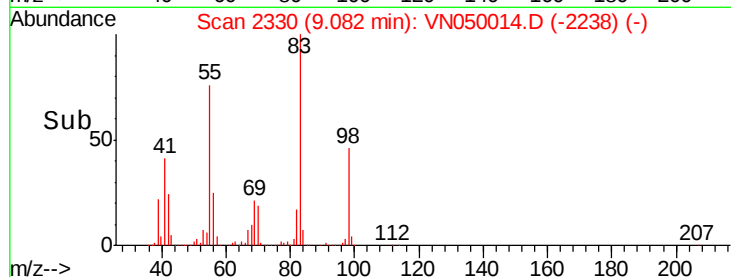
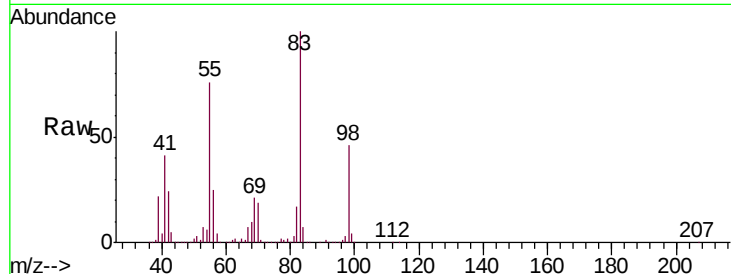
#39
Methvlcvclohexane
Concen: 110.19 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.8	92.8
98	46.1	36.5	54.7

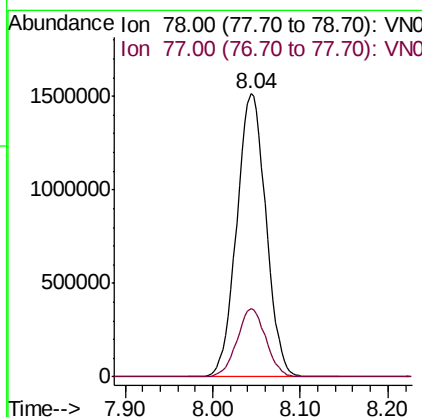
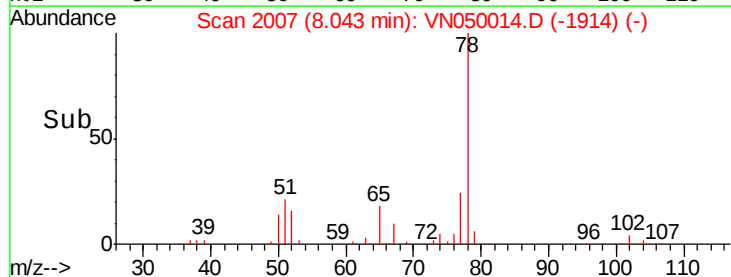
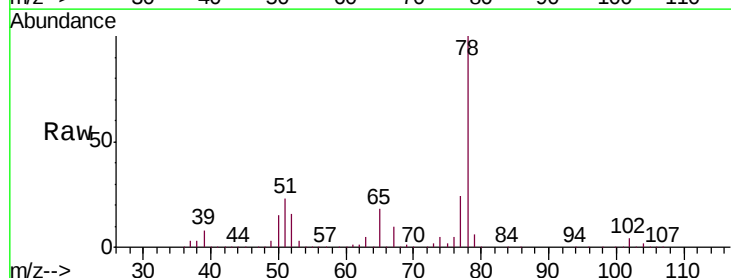
Manual Integrations
APPROVED

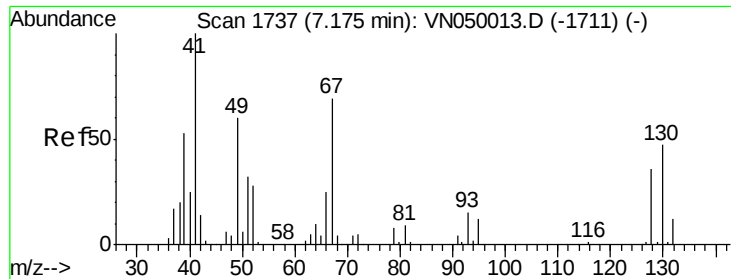
MMDadoda
7/26/2018 1:50:56 PM



#40
Benzene
Concen: 101.41 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





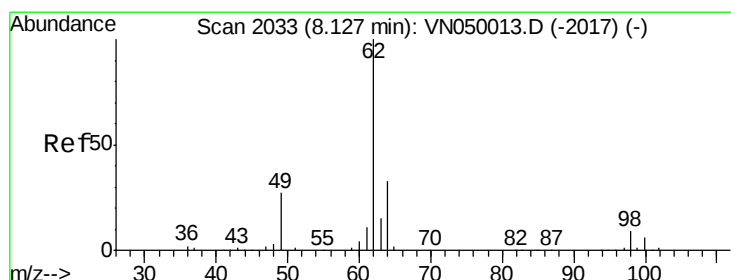
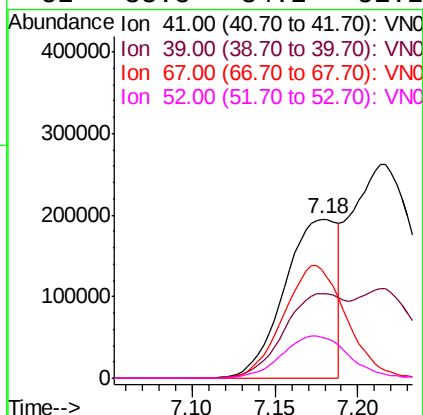
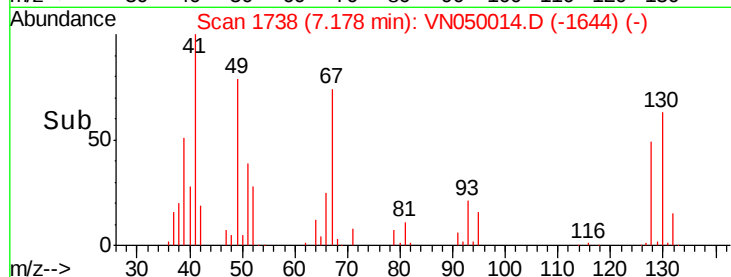
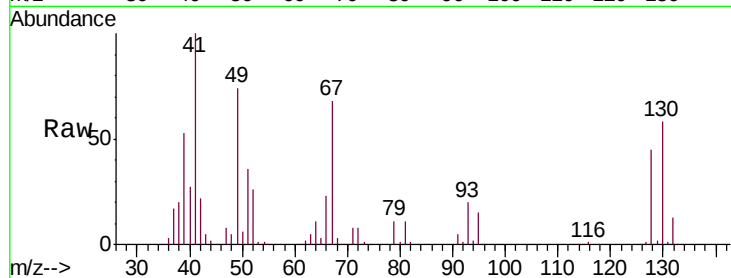
#41
Methacrylonitrile
Concen: 113.52 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	55.8	83.6
67	84.8	84.3	126.5
52	33.8	34.2	51.2#

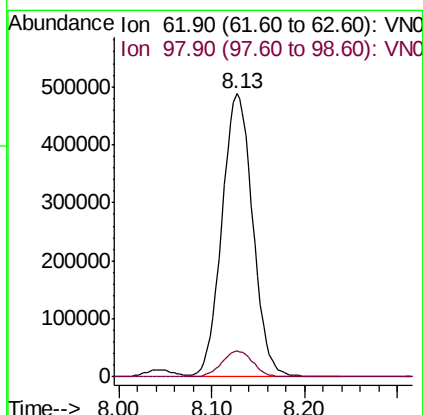
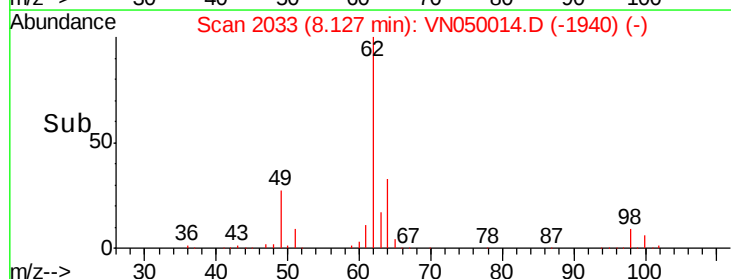
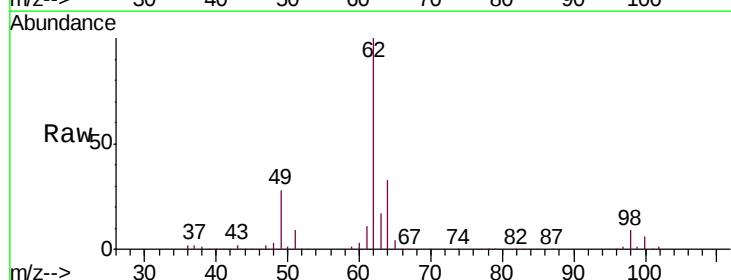
Manual Integrations
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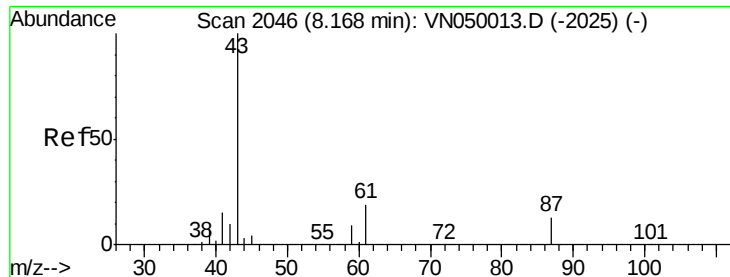
MMDadoda
7/26/2018 1:50:56 PM



#42
1,2-Dichloroethane
Concen: 97.99 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 108.14 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1476823

Ion Ratio Lower Upper

43 100

61 28.2 15.8 23.6#

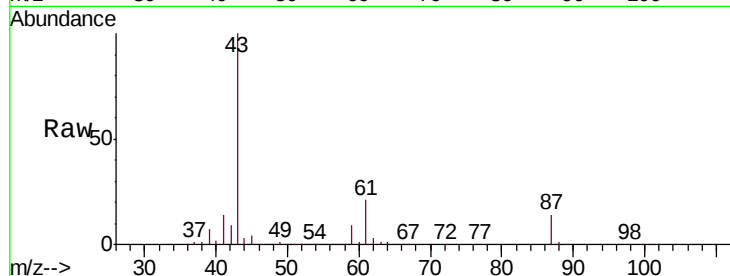
87 13.4 10.3 15.5

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Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050013.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050013.D (-2025) (-)

8.17

800000

600000

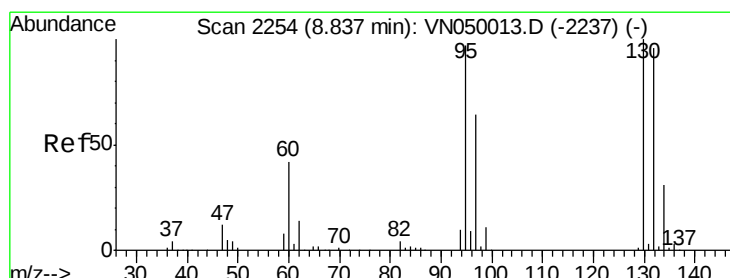
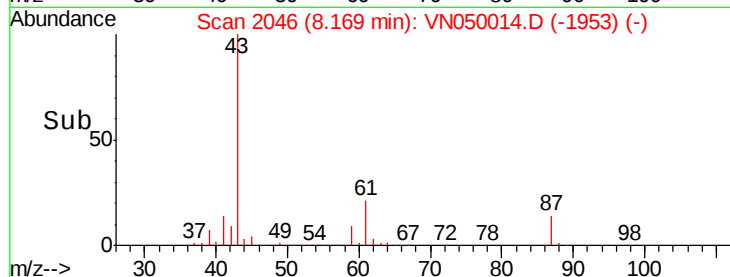
400000

200000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 100.50 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050014.D

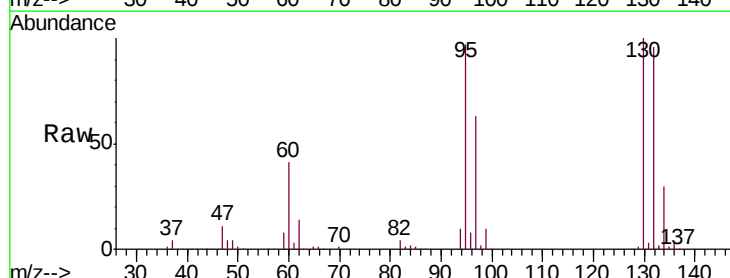
Acq: 23 Jul 2018 19:12

Tgt Ion:130 Resp: 911423

Ion Ratio Lower Upper

130 100

95 97.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050013.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050013.D (-2237) (-)

8.84

500000

400000

300000

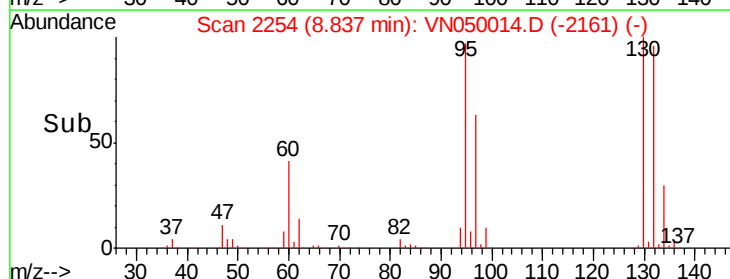
200000

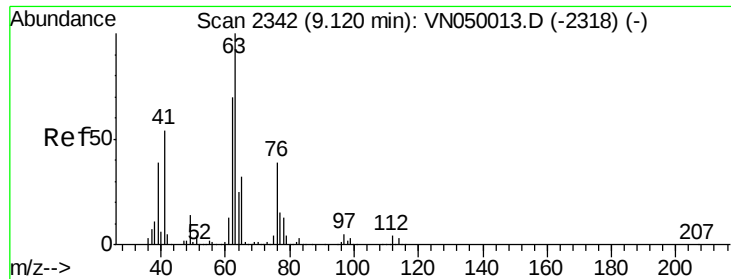
100000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 98.55 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 916904

Ion Ratio Lower Upper

63 100

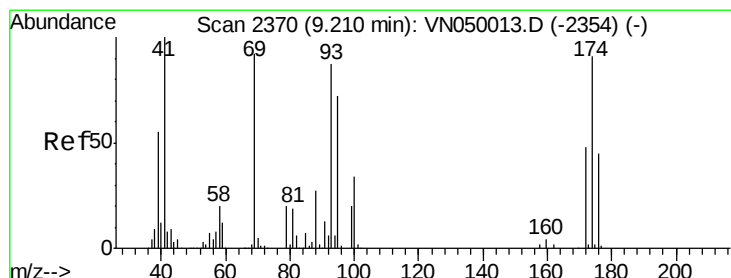
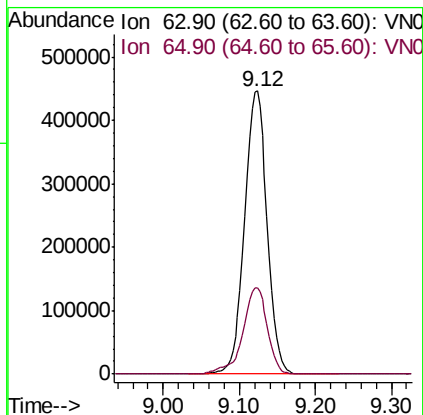
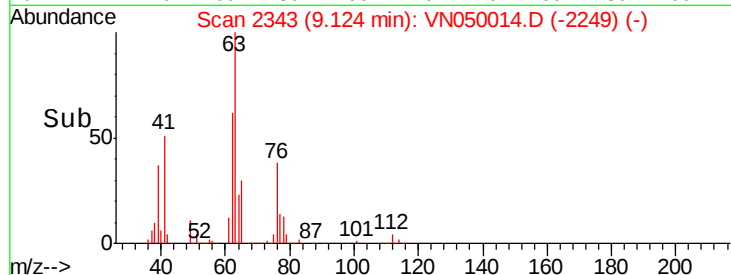
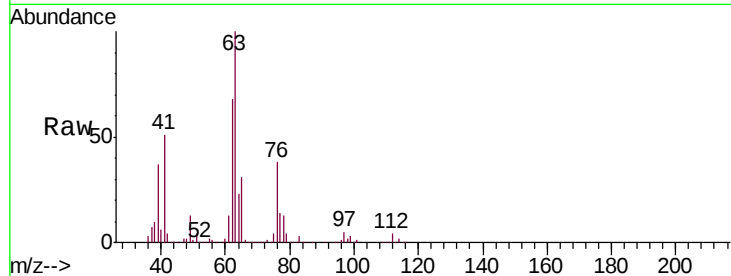
65 30.6 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 97.70 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

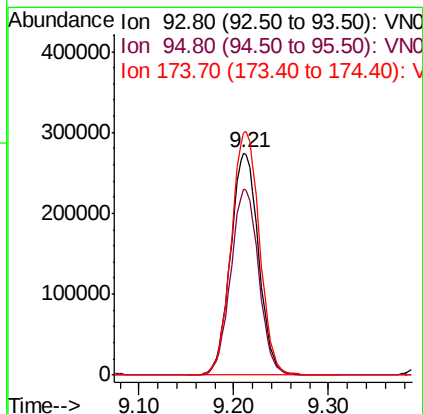
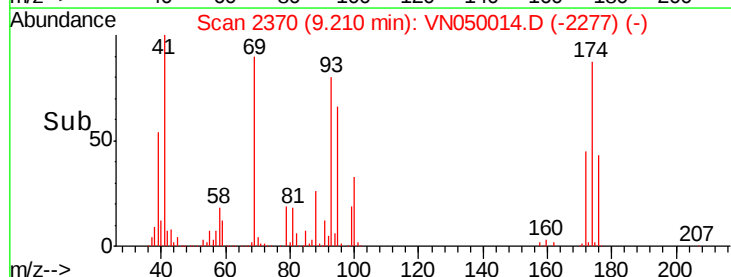
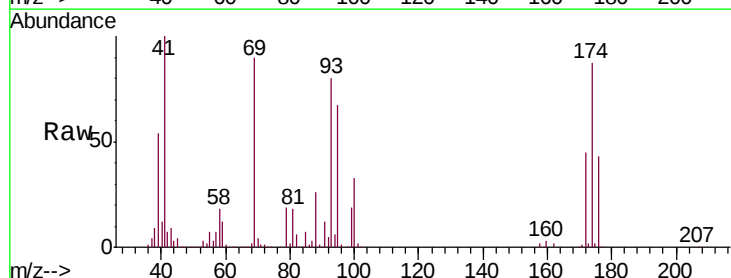
Tgt Ion: 93 Resp: 564065

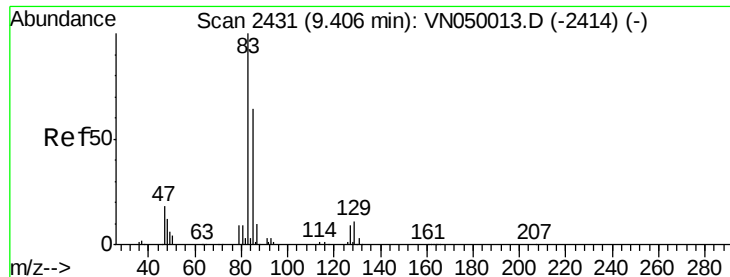
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 110.7 87.1 130.7





#47

Bromodichloromethane

Concen: 99.65 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1188462

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

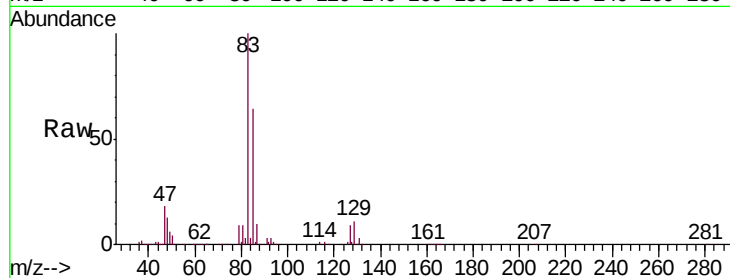
127 8.9 7.0 10.4

Manual Integrations

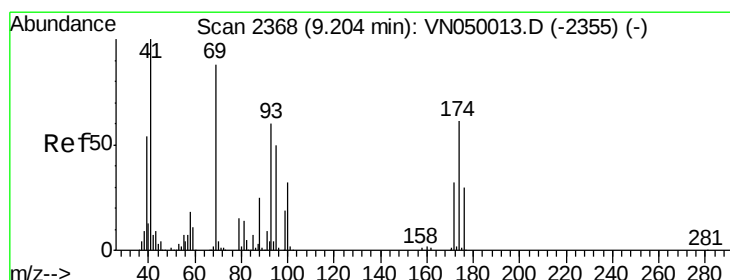
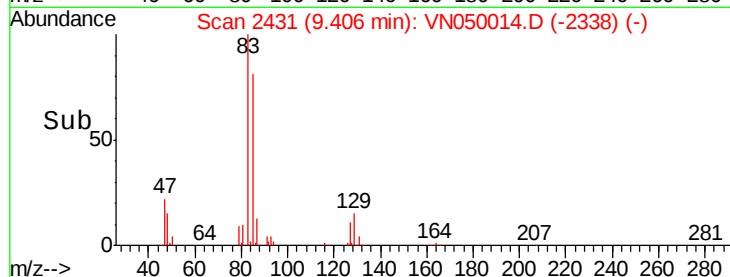
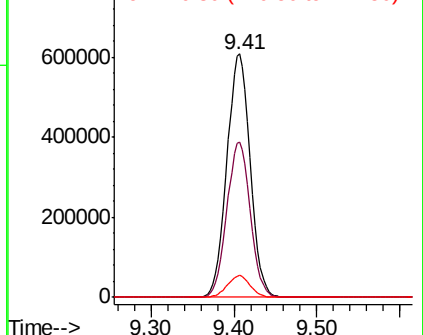
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 109.69 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

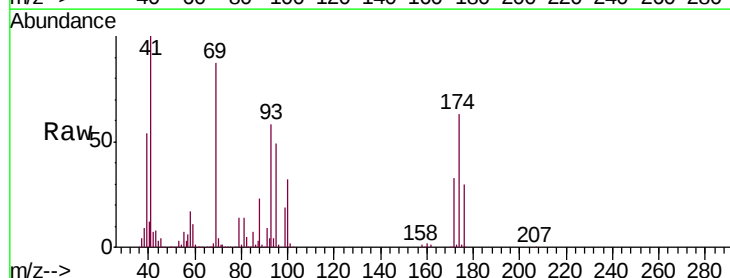
Tgt Ion: 41 Resp: 751669

Ion Ratio Lower Upper

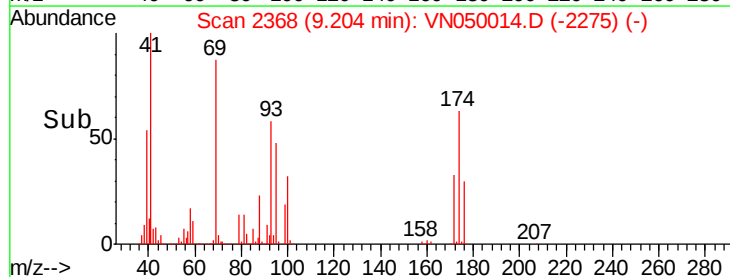
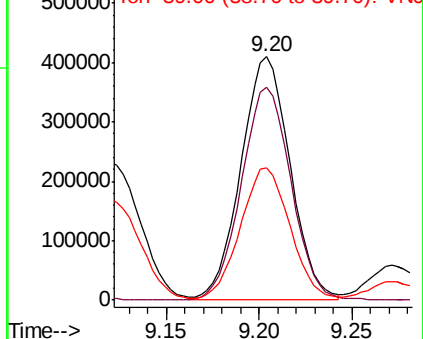
41 100

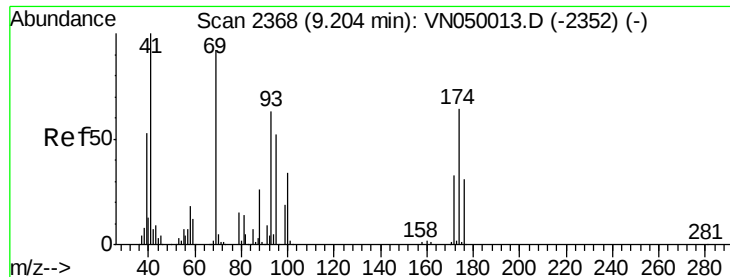
69 88.8 70.6 105.8

39 55.1 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





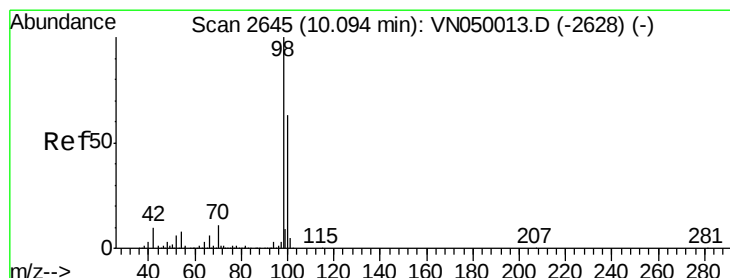
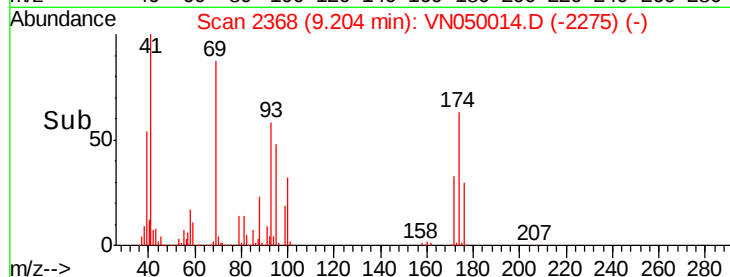
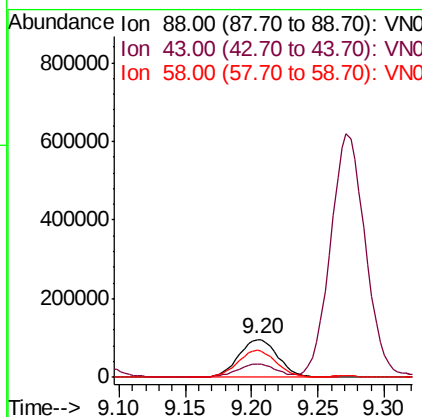
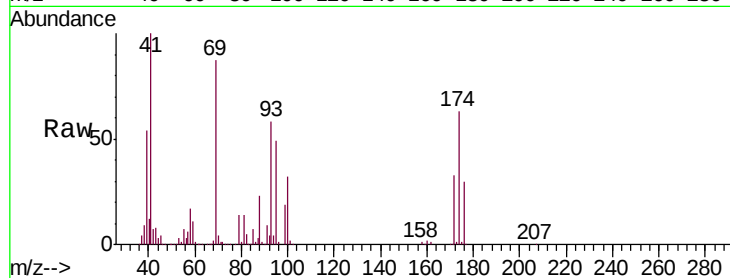
#49
1,4-Dioxane
Concen: 2102.67 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.9	40.3
58	69.6	57.3	85.9

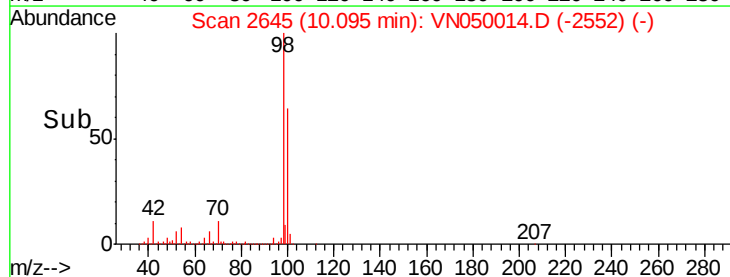
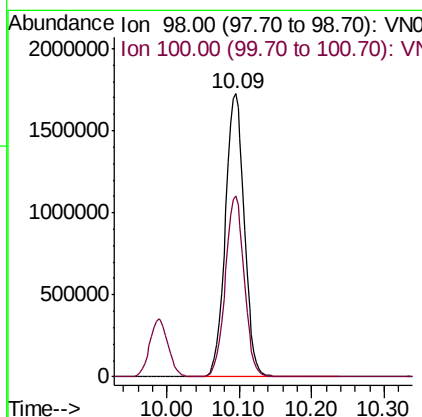
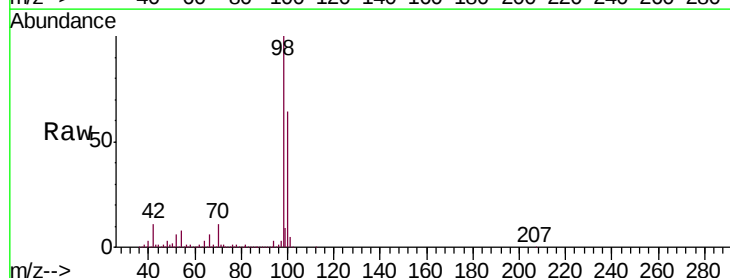
Manual Integrations
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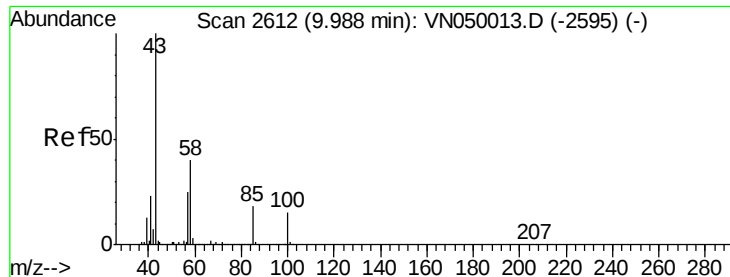
MMDadoda
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#50
Toluene-d8
Concen: 100.76 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





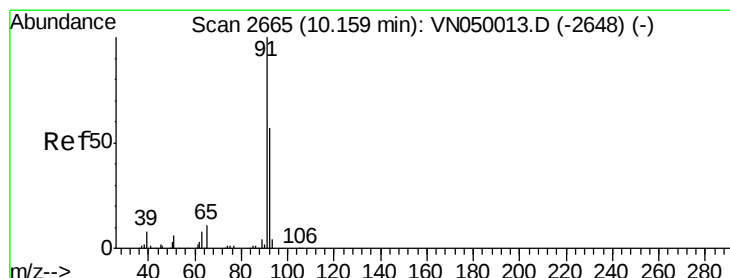
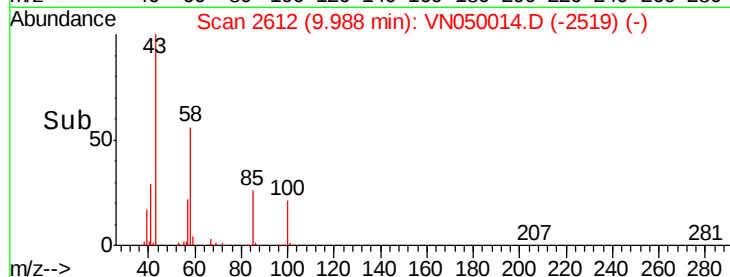
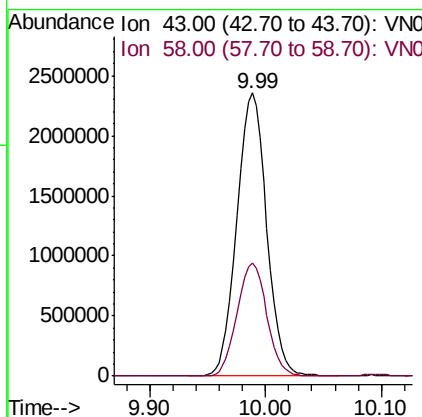
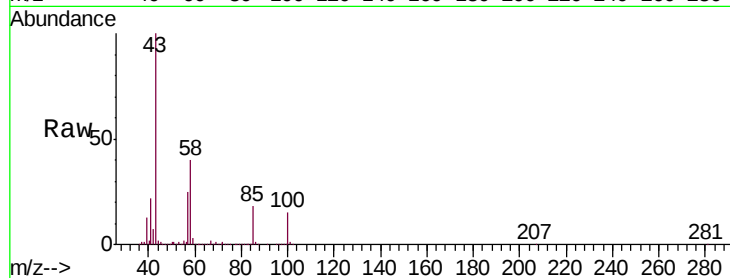
#51
4-Methyl-2-Pentanone
Concen: 549.87 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4178170
Ion Ratio Lower Upper
43 100
58 40.1 31.9 47.9

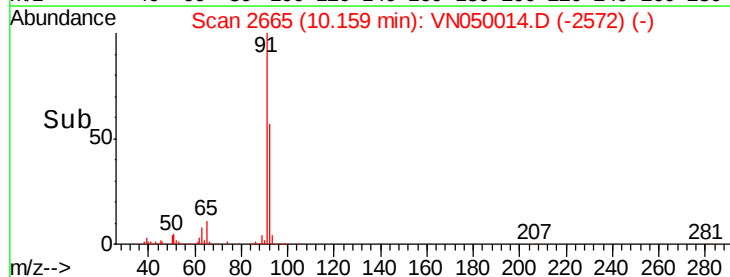
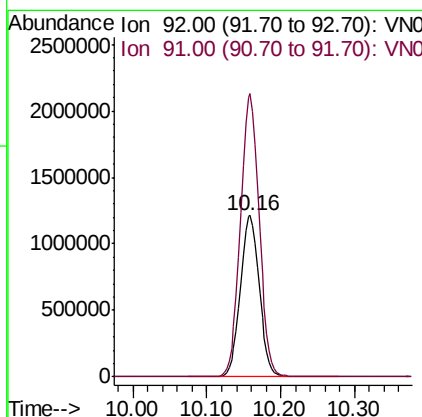
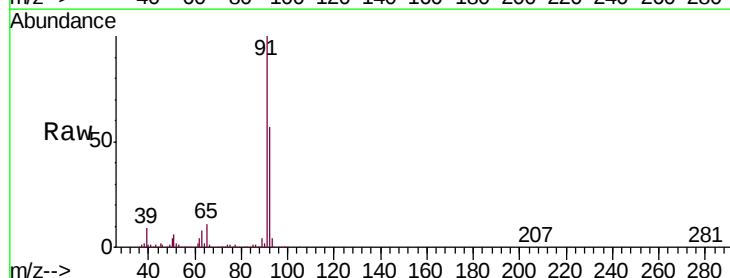
Manual Integrations
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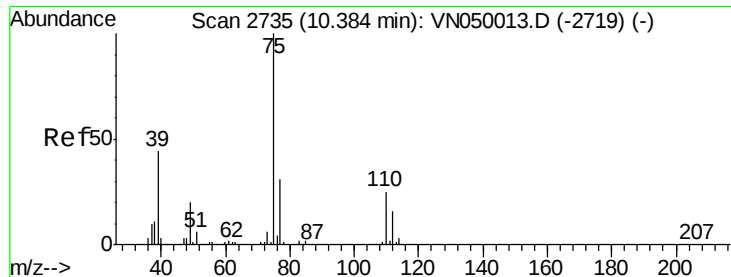
MMDadoda
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#52
Toluene
Concen: 105.80 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 92 Resp: 2178407
Ion Ratio Lower Upper
92 100
91 174.3 140.3 210.5





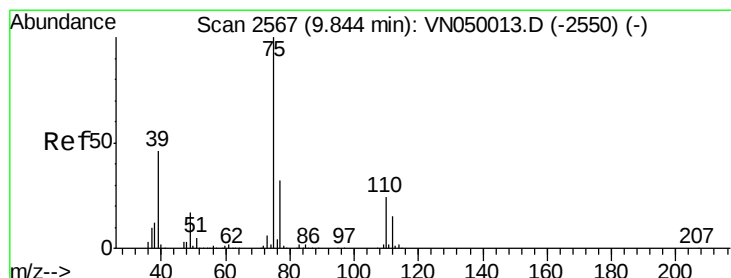
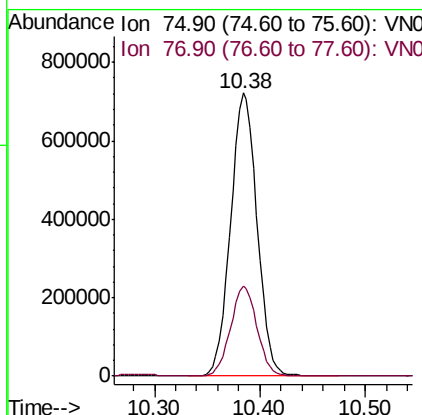
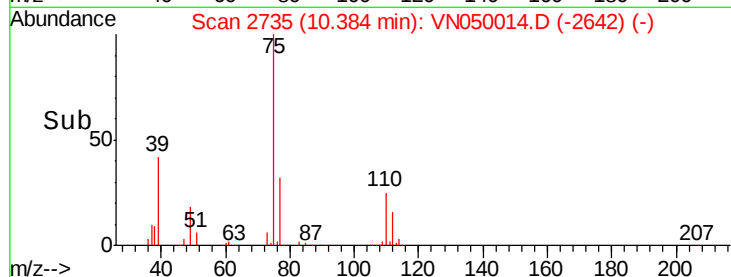
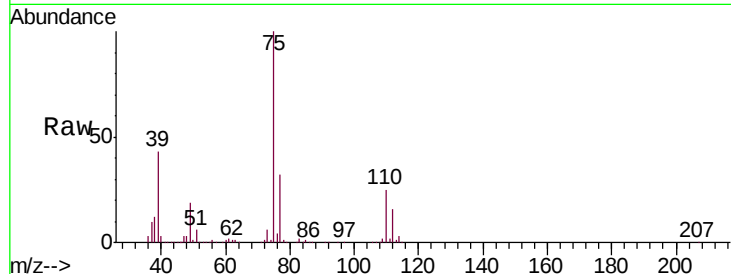
#53
t-1,3-Dichloropropene
Concen: 106.53 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1252800
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3

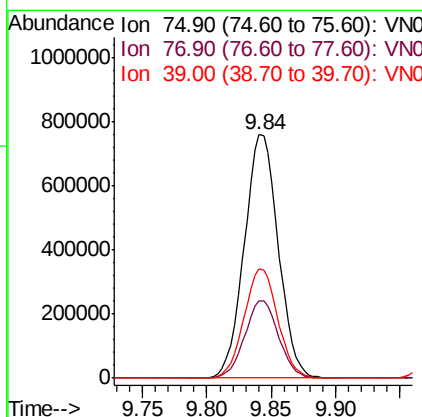
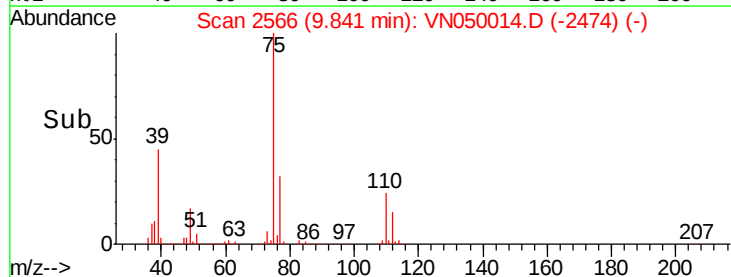
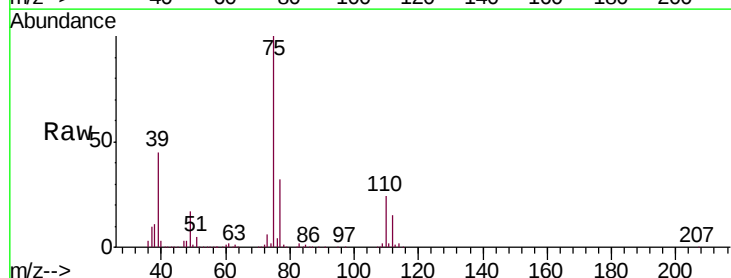
Manual Integrations
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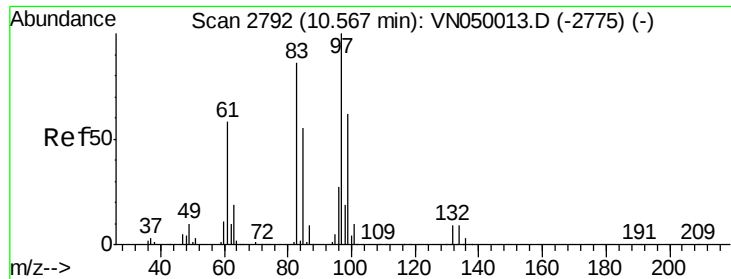
MMDadoda
7/26/2018 1:50:56 PM



#54
cis-1,3-Dichloropropene
Concen: 107.15 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 75 Resp: 1395295
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 45.0 36.6 55.0





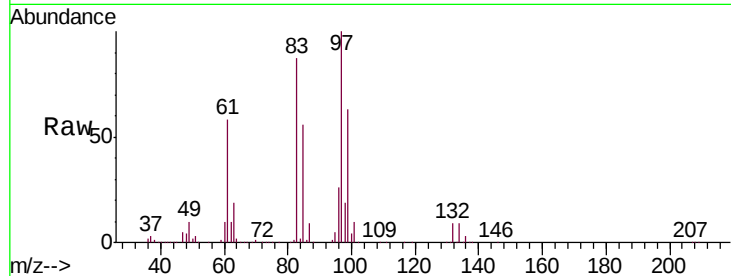
#55
 1,1,2-Trichloroethane
 Concen: 95.32 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

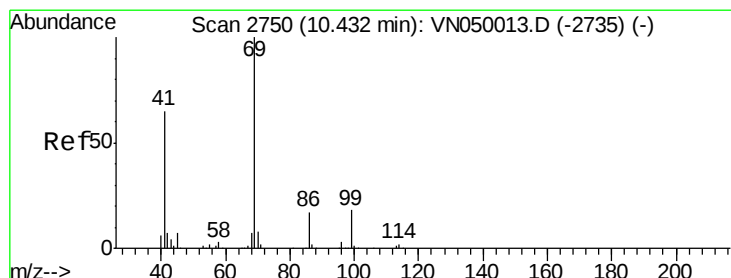
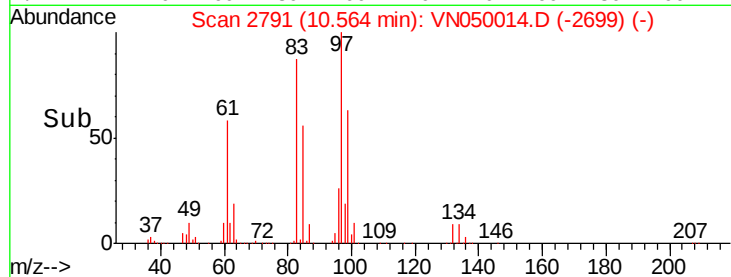
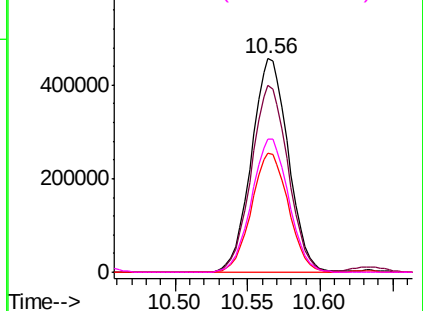
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.3	69.2	103.8	
85	56.0	44.0	66.0	
99	62.6	49.9	74.9	

Manual Integrations
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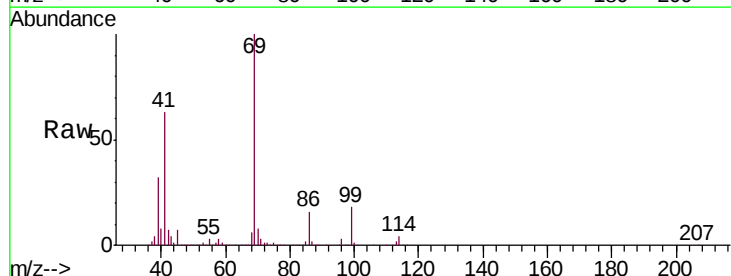


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

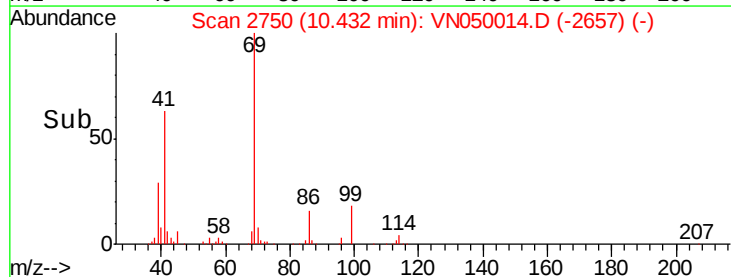
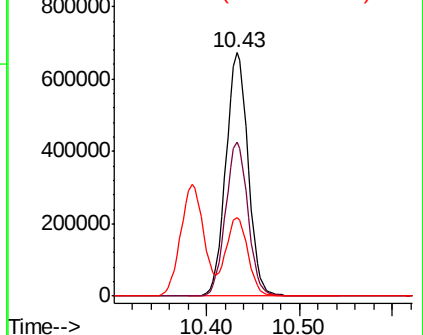


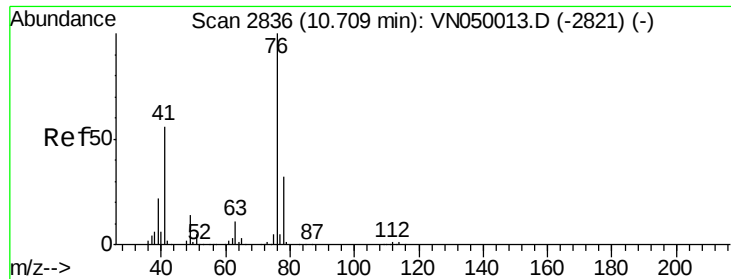
#56
 Ethyl methacrylate
 Concen: 113.55 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.3	51.0	76.4	
39	32.2	26.6	40.0	



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 100.91 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 1349927

Ion Ratio Lower Upper

76 100

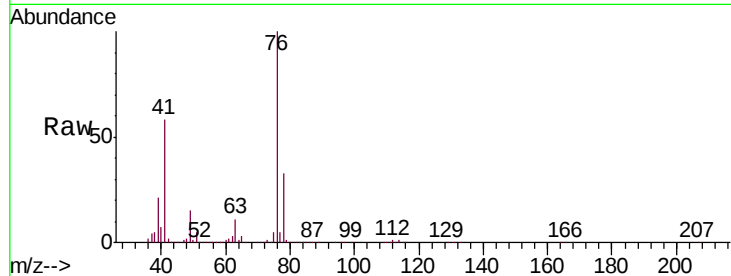
78 32.6 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

800000

600000

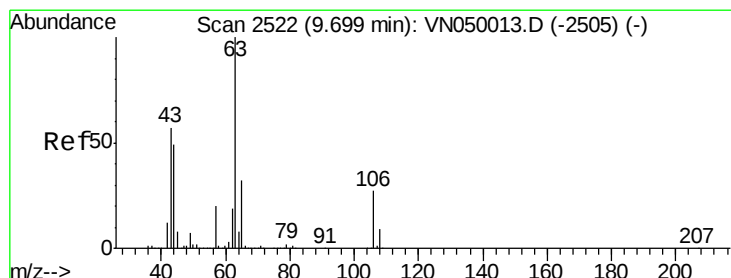
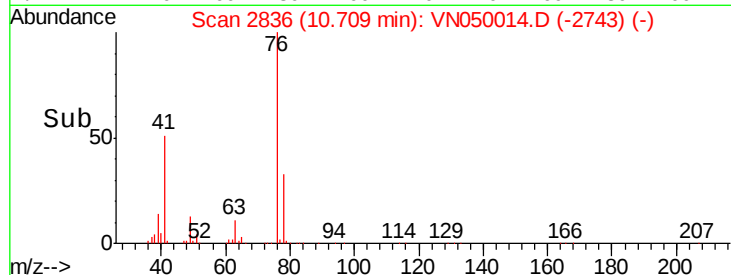
400000

200000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 582.21 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050014.D

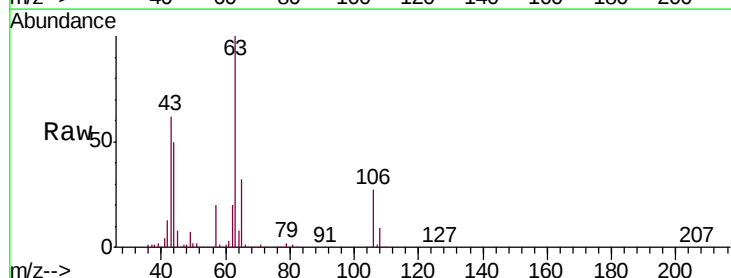
Acq: 23 Jul 2018 19:12

Tgt Ion: 63 Resp: 2614364

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1500000

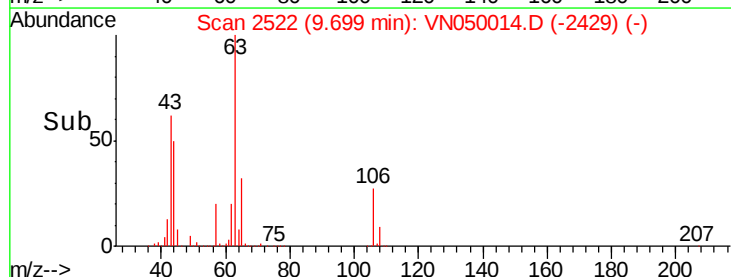
1000000

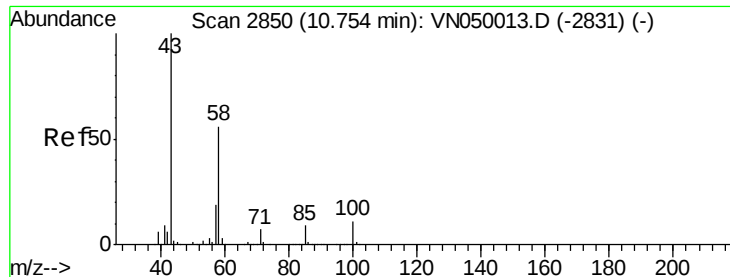
500000

0

9.60 9.70 9.80

Time-->





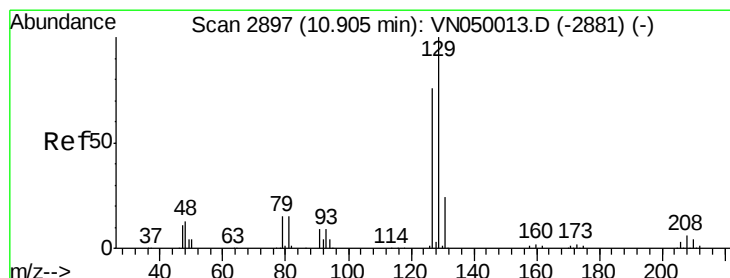
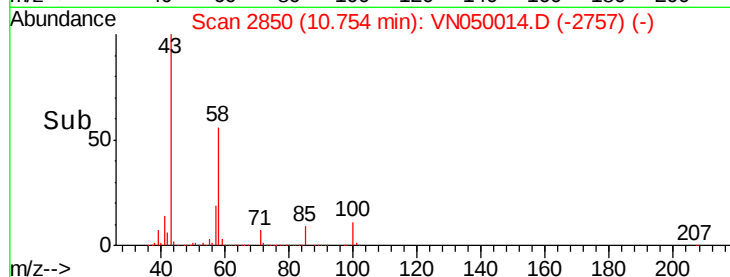
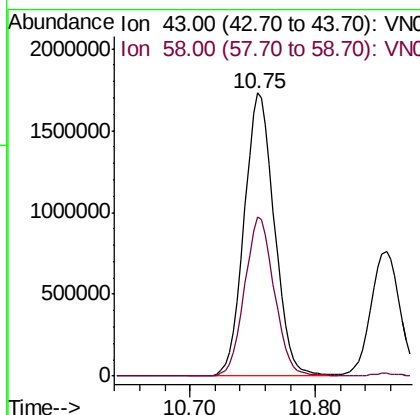
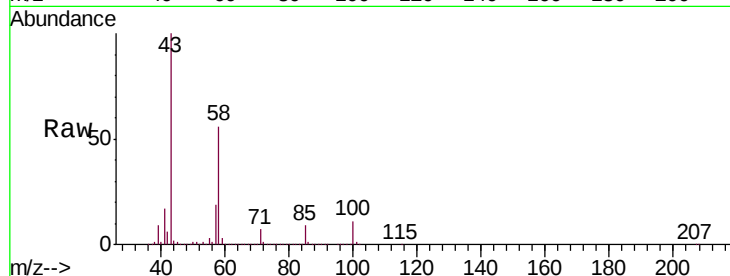
#59
2-Hexanone
Concen: 568.10 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2895227
Ion Ratio Lower Upper
43 100
58 55.7 27.6 82.7

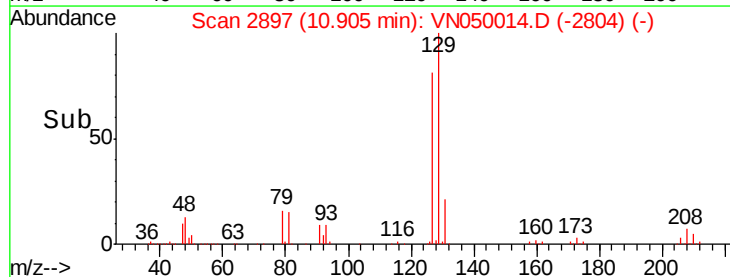
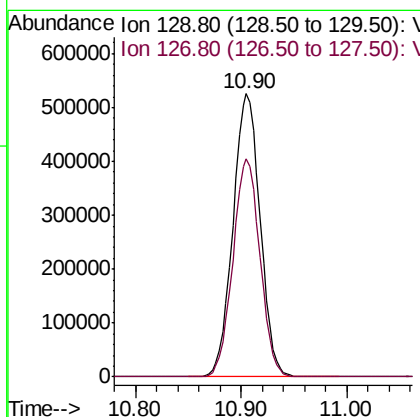
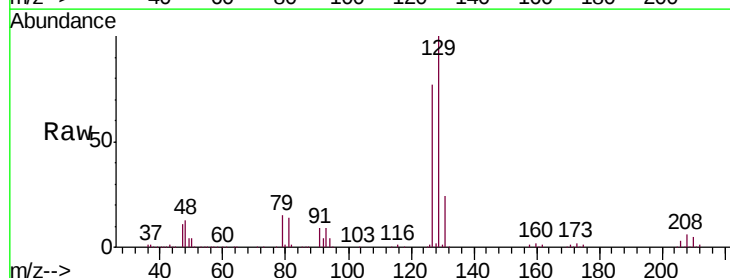
Manual Integrations
APPROVED

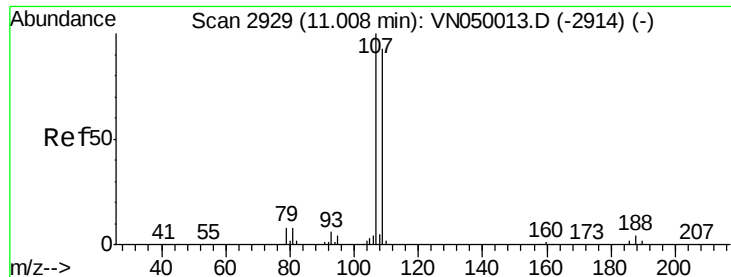
MMDadoda
7/26/2018 1:50:56 PM



#60
Dibromochloromethane
Concen: 100.48 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion: 129 Resp: 933739
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





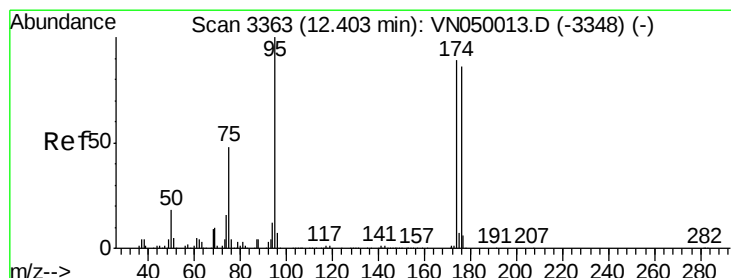
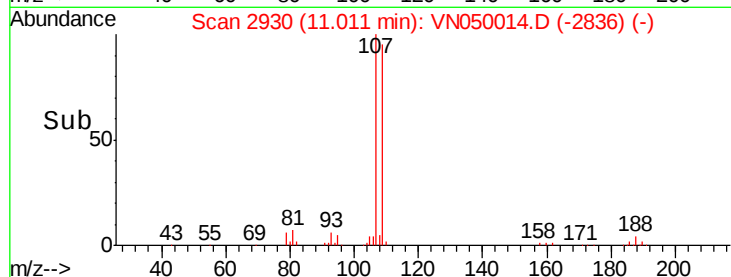
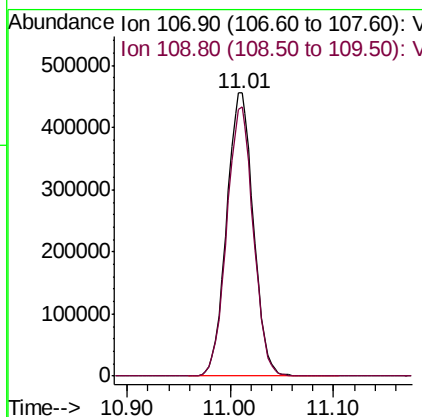
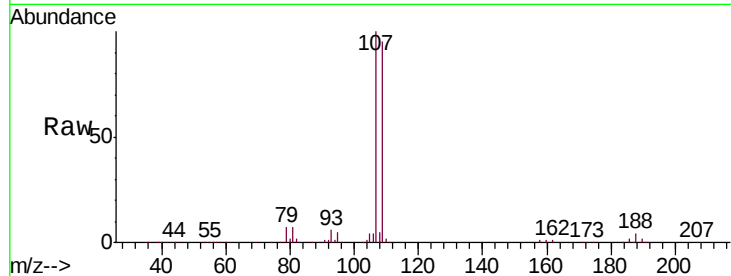
#61
 1,2-Dibromoethane
 Concen: 103.74 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.6	112.0

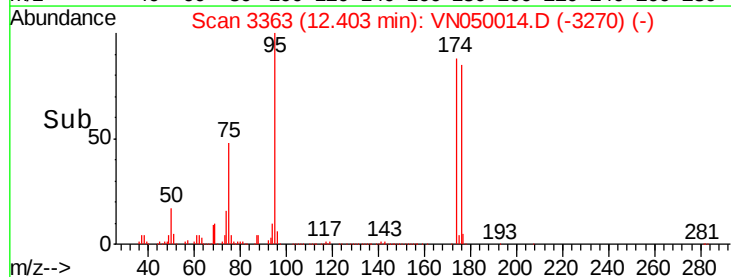
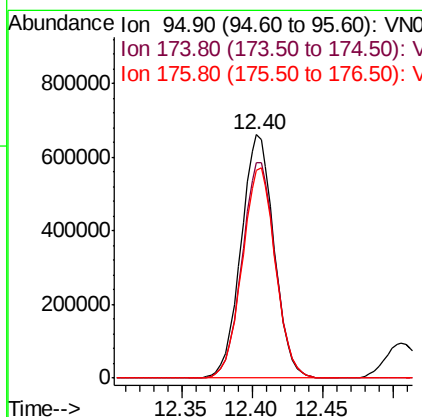
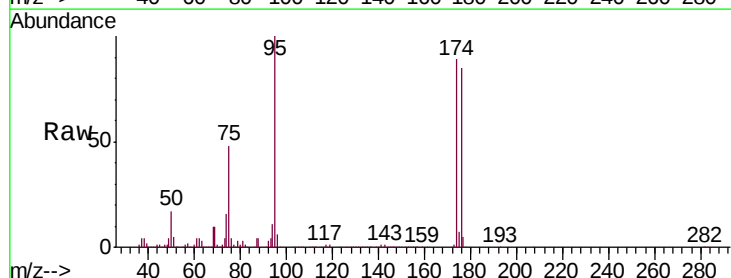
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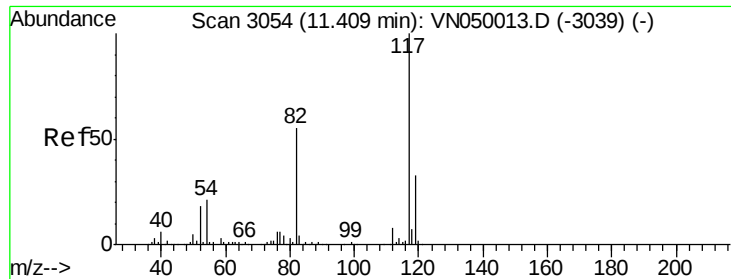
MMDadoda
 7/26/2018 1:50:56 PM



#62
 4-Bromofluorobenzene
 Concen: 102.04 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	178.2
176	86.9	0.0	173.4





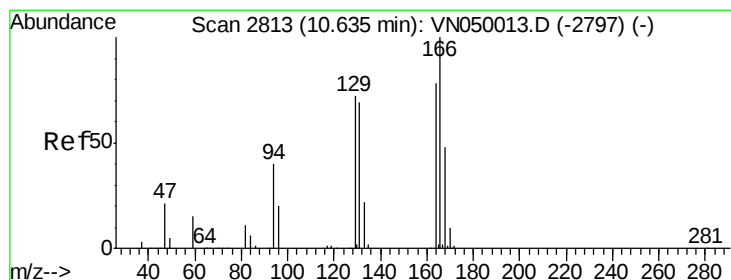
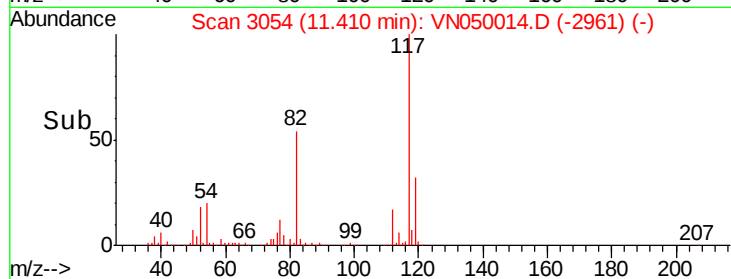
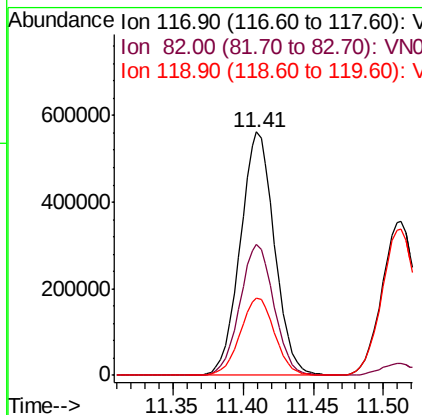
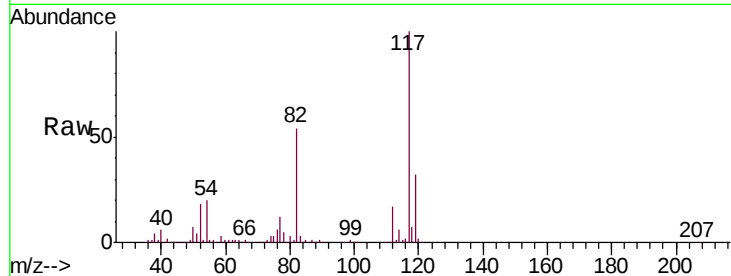
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	31.8	26.1	39.1

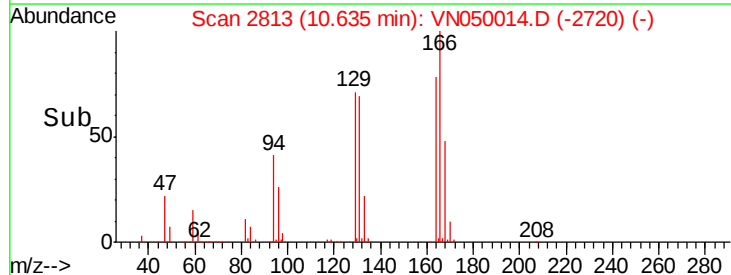
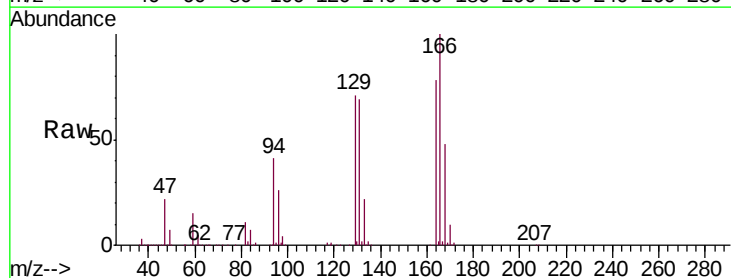
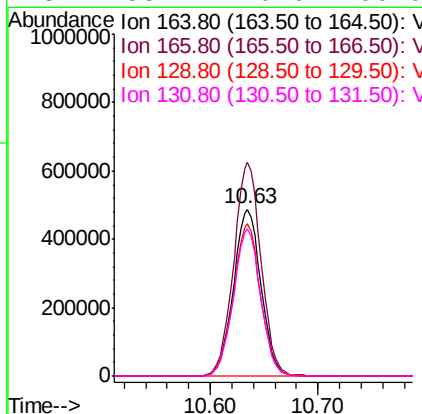
Manual Integrations
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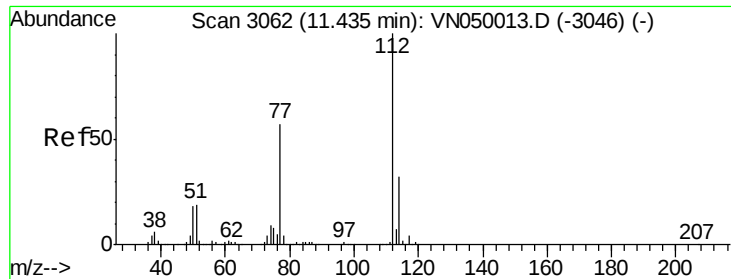
MMDadoda
7/26/2018 1:50:56 PM



#64
Tetrachloroethene
Concen: 98.89 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.1	153.1
129	91.5	73.2	109.8
131	88.2	70.6	106.0





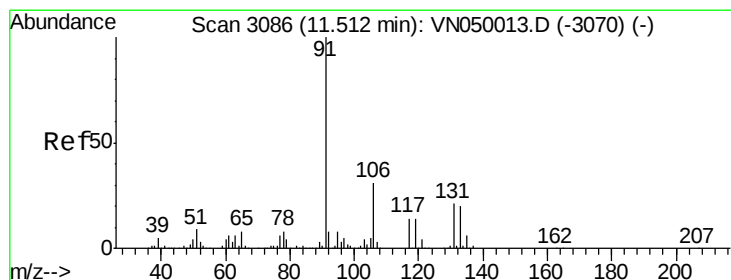
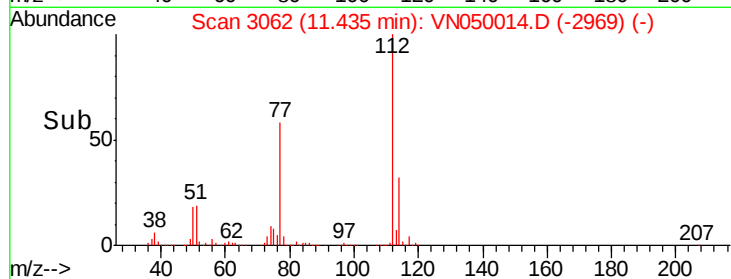
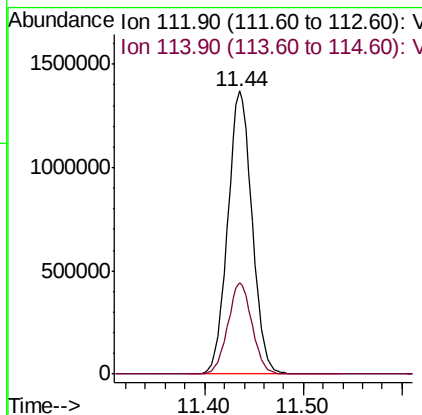
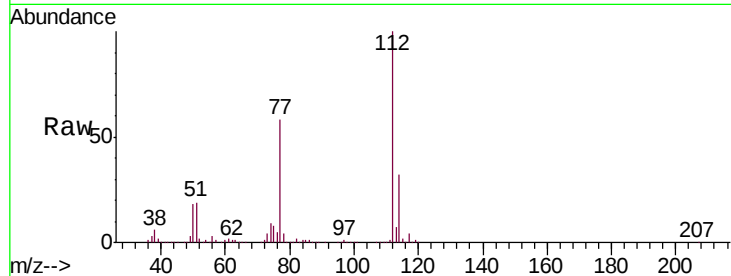
#65
Chlorobenzene
Concen: 97.96 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2360777
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

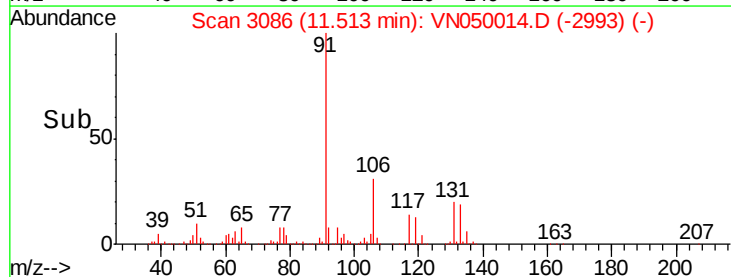
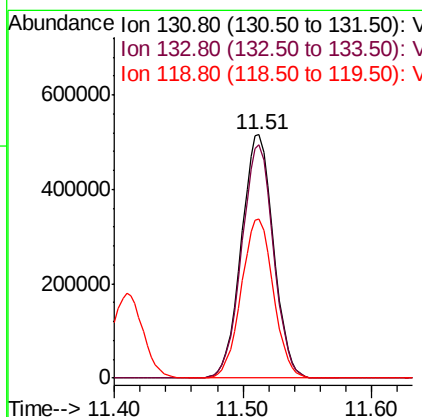
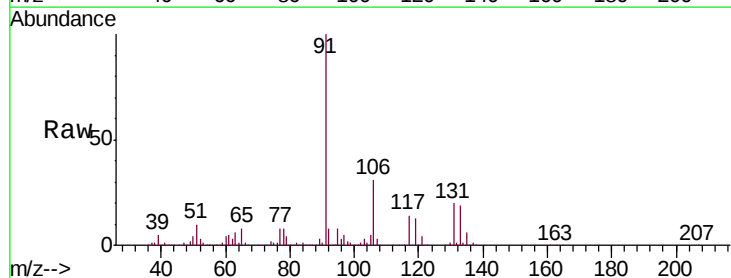
Manual Integrations
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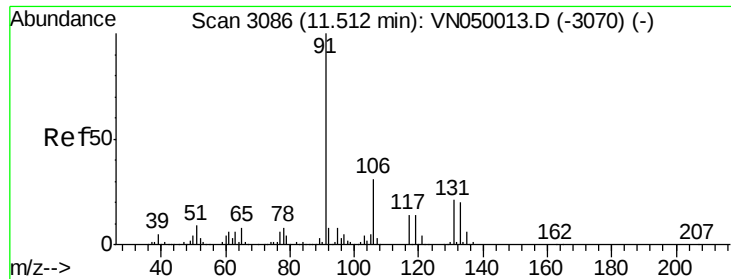
MMDadoda
7/26/2018 1:50:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 95.69 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion:131 Resp: 892628
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.4 32.9 98.7





#67

Ethyl Benzene

Concen: 106.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4173098

Ion Ratio Lower Upper

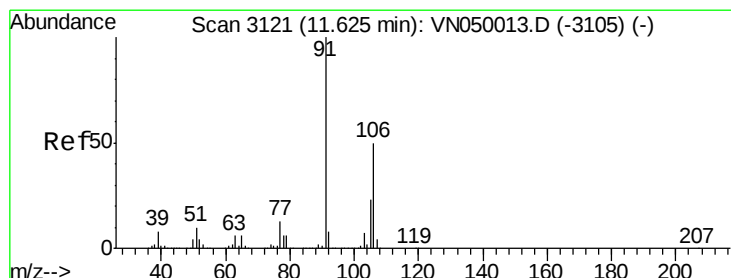
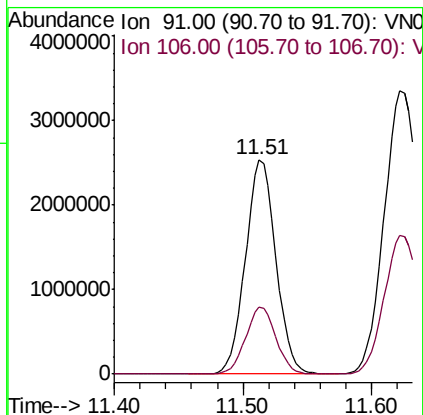
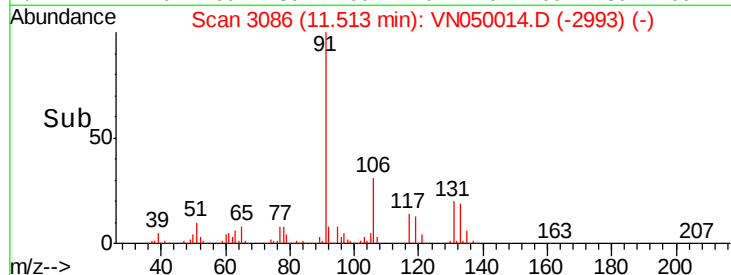
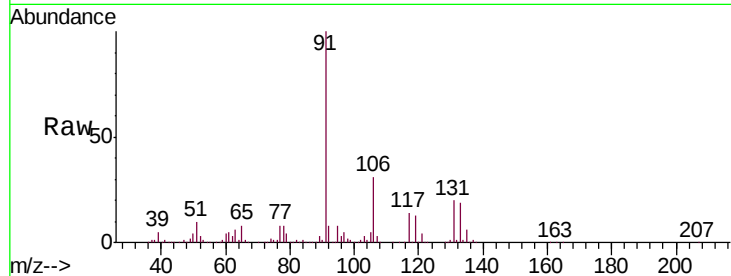
91 100

106 31.2 25.0 37.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 214.91 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050014.D

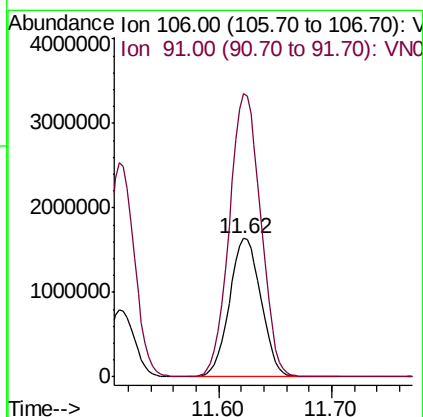
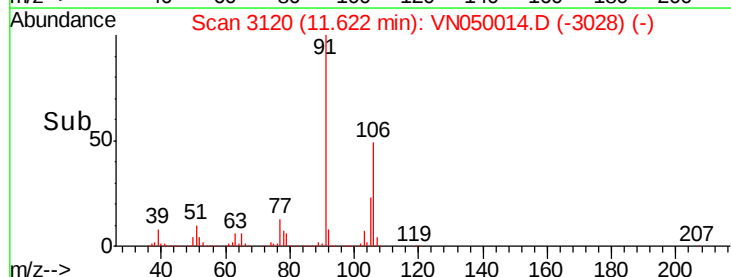
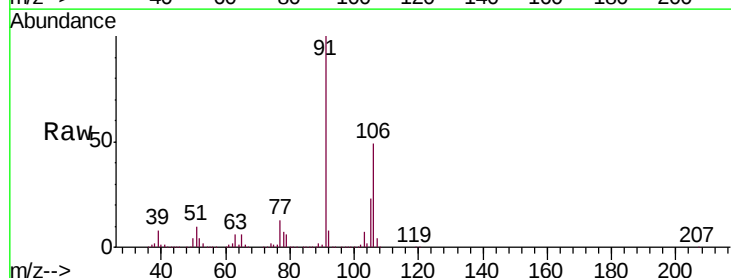
Acq: 23 Jul 2018 19:12

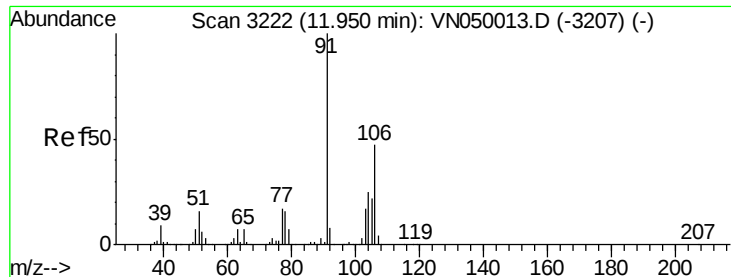
Tgt Ion: 106 Resp: 3175779

Ion Ratio Lower Upper

106 100

91 203.3 162.2 243.2





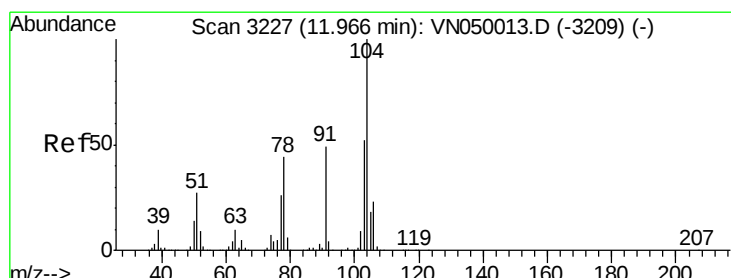
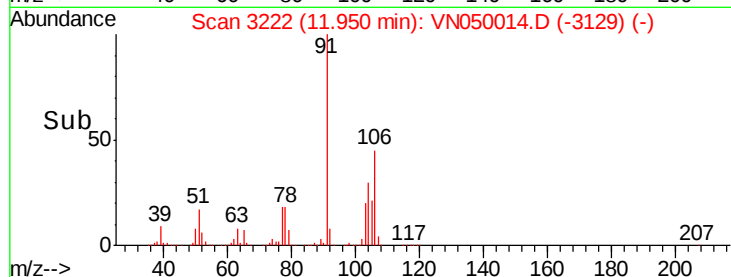
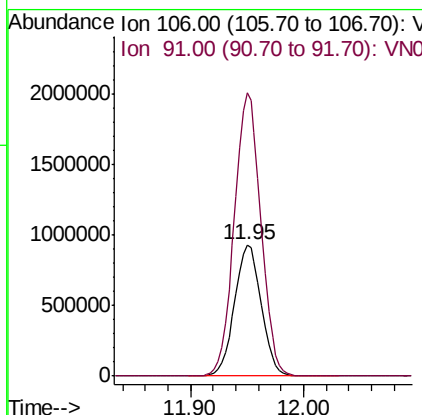
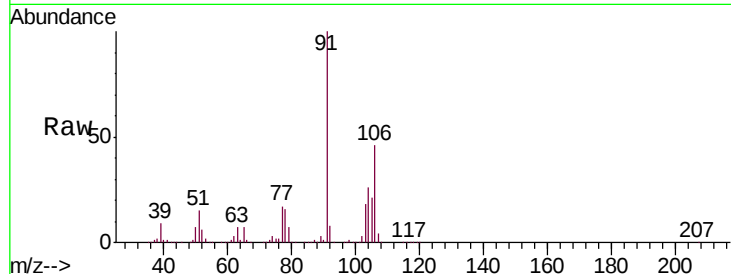
#69
o-Xylene
Concen: 107.98 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1531729
Ion Ratio Lower Upper
106 100
91 214.6 107.7 323.1

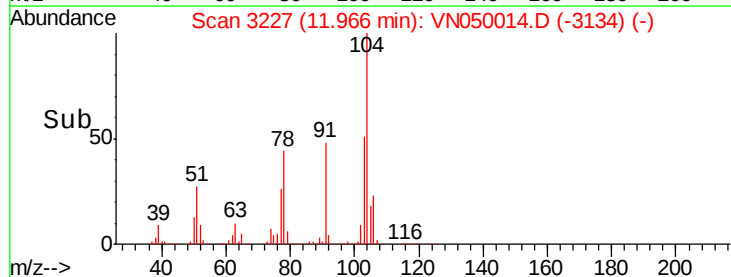
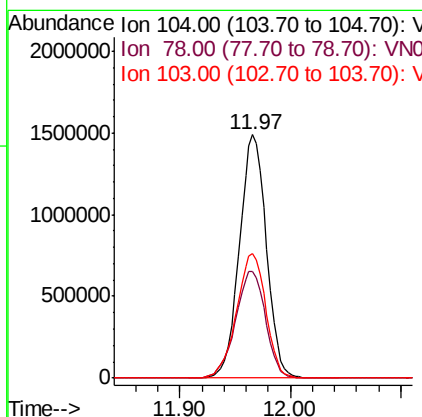
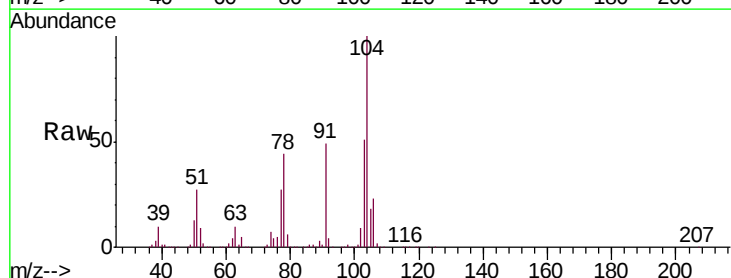
Manual Integrations
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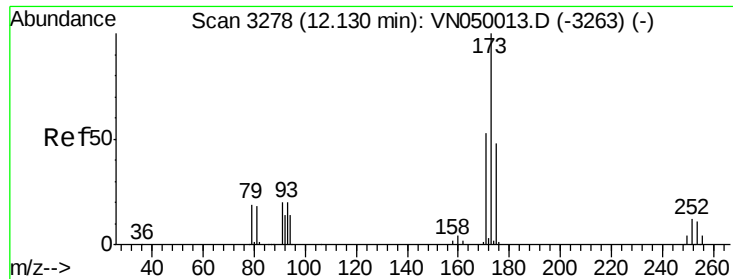
MMDadoda
7/26/2018 1:50:56 PM



#70
Styrene
Concen: 109.68 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion:104 Resp: 2508973
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 55.6 45.0 67.6





#71

Bromoform

Concen: 102.57 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

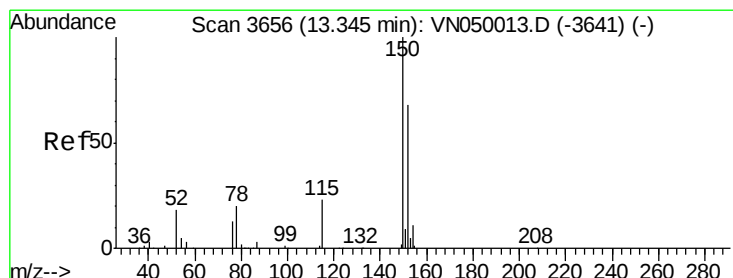
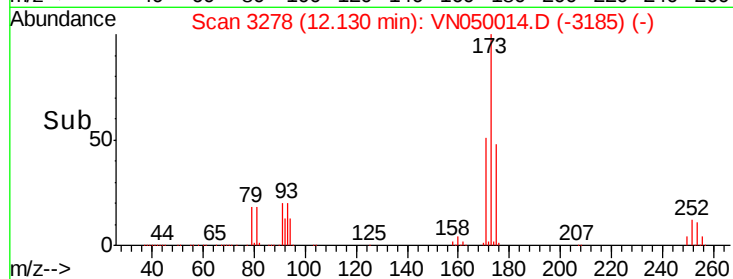
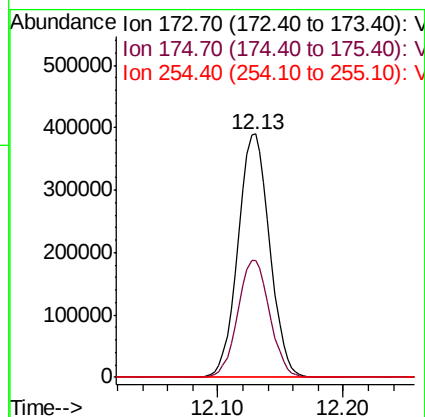
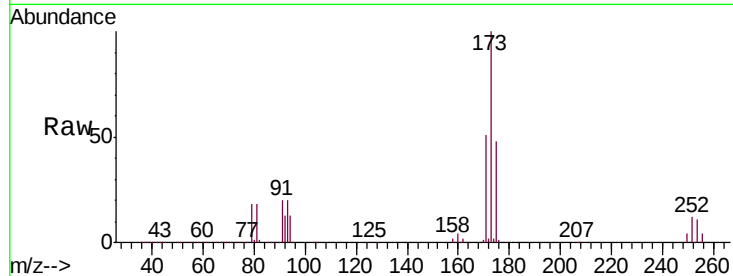
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.2	0.2	0.2

Manual Integrations
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7/26/2018 1:50:56 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

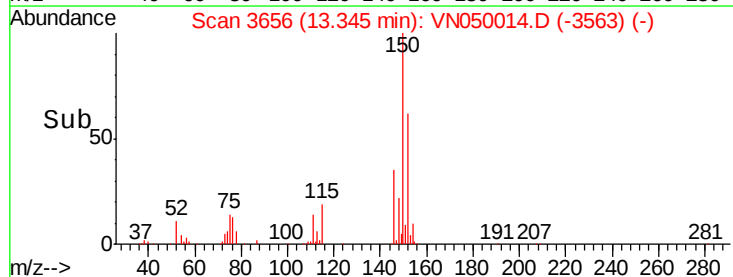
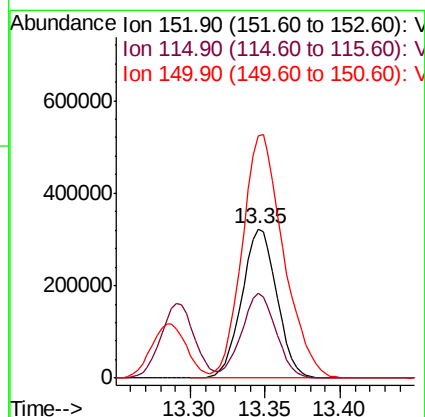
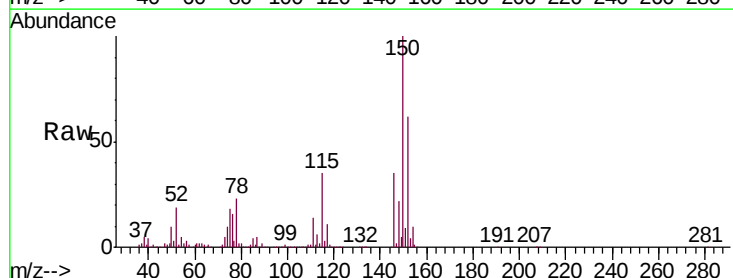
RT: 13.35 min Scan# 3656

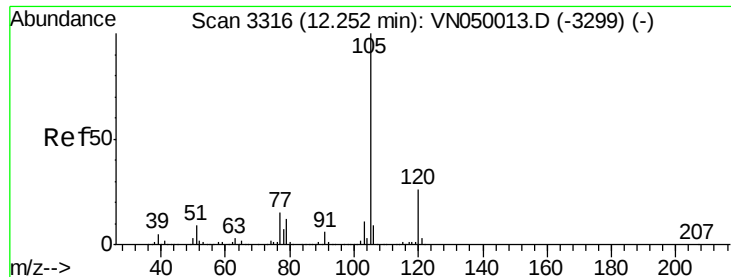
Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.3
150	191.6	0.0	348.6





#73

Isopropylbenzene

Concen: 101.47 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 4077324

Ion Ratio Lower Upper

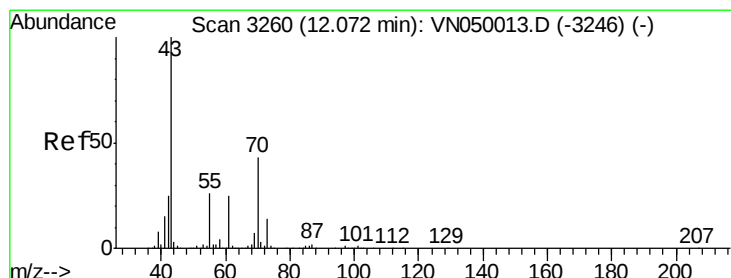
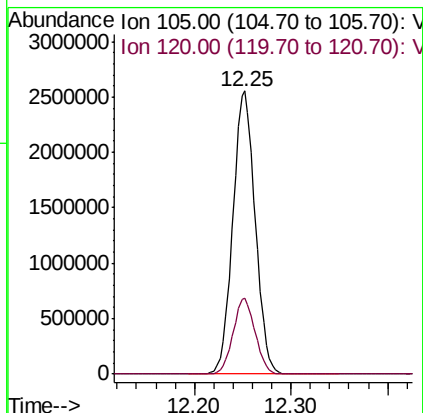
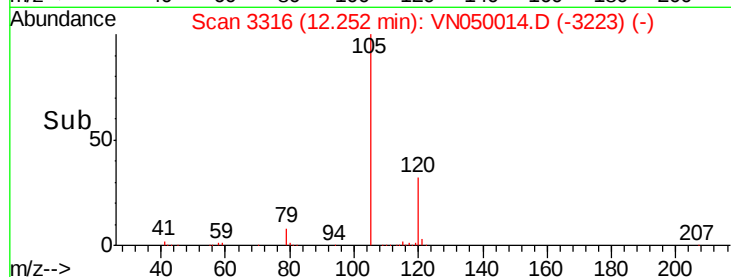
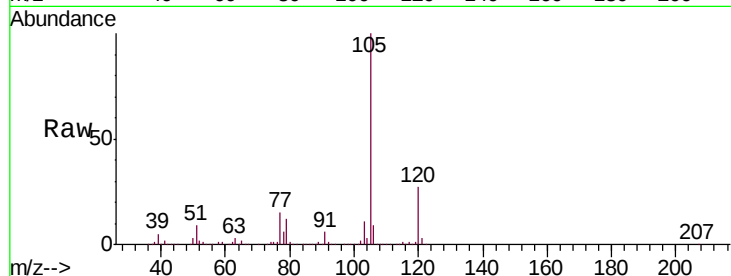
105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 106.06 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Tgt Ion: 43 Resp: 1294215

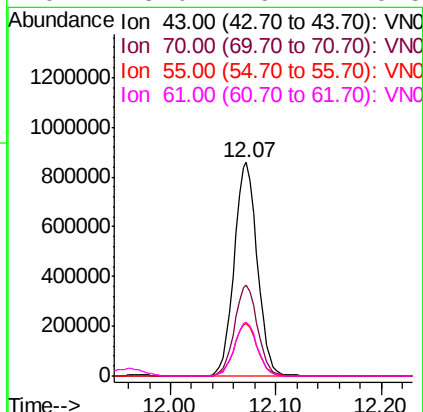
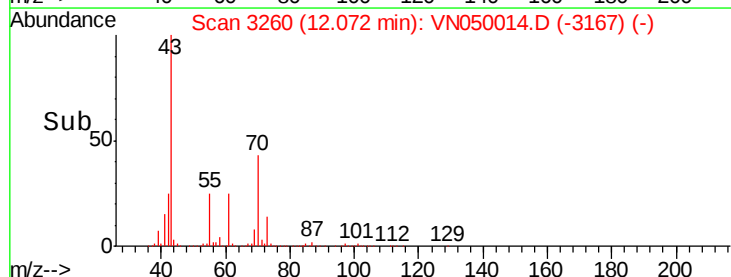
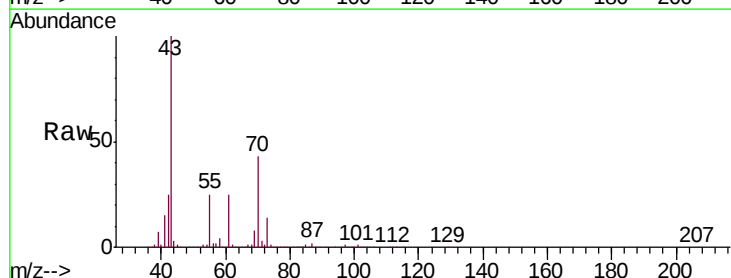
Ion Ratio Lower Upper

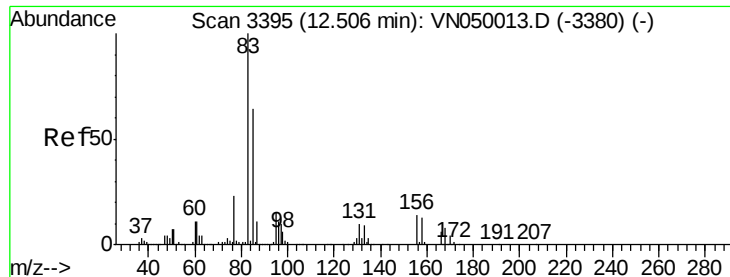
43 100

70 42.5 34.4 51.6

55 24.9 20.8 31.2

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 88.47 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1062652

Ion Ratio Lower Upper

83 100

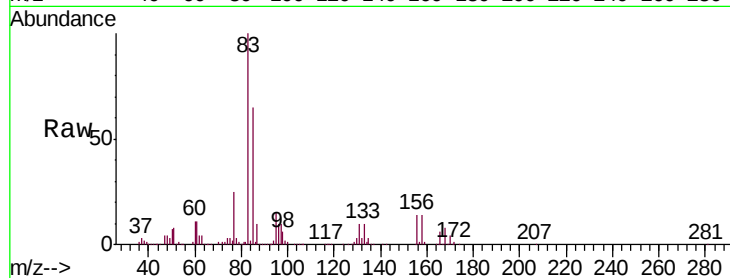
131 10.4 5.1 15.3

85 65.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050013.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050013.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050013.D (-3380) (-)

12.51

800000

600000

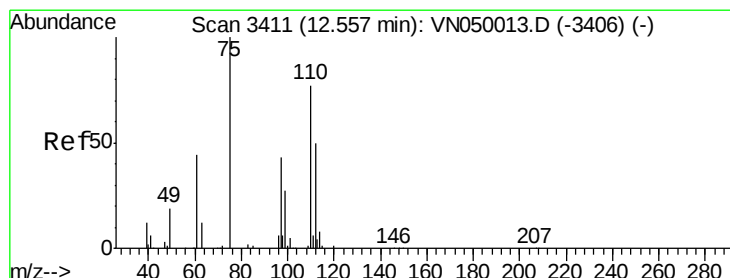
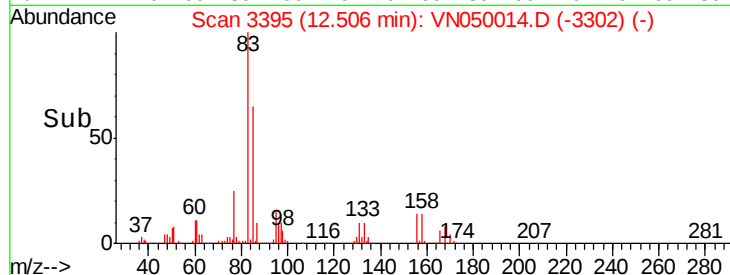
400000

200000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 88.22 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050014.D

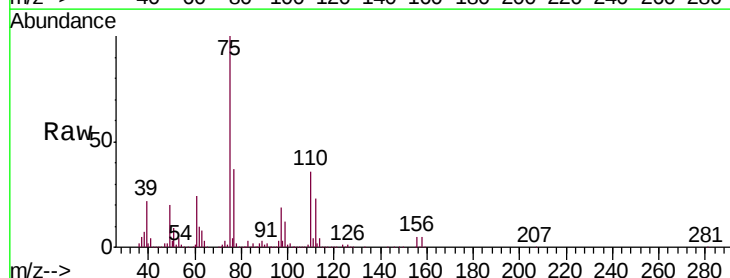
Acq: 23 Jul 2018 19:12

Tgt Ion: 75 Resp: 867686

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050013.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN050013.D (-3406) (-)

12.56

1000000

800000

600000

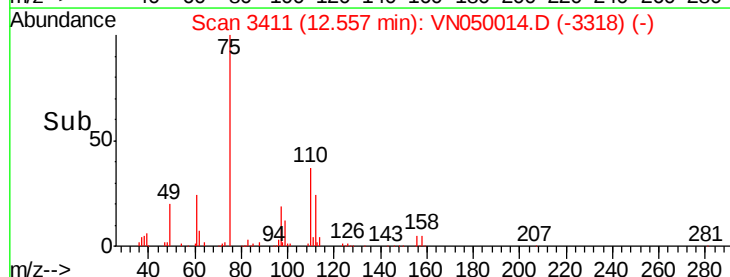
400000

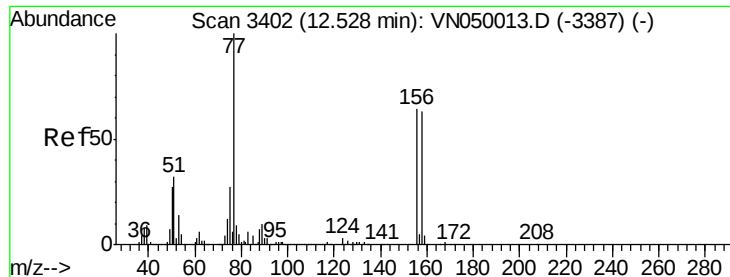
200000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 94.69 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 1050288

Ion Ratio Lower Upper

156 100

77 186.3 91.7 275.1

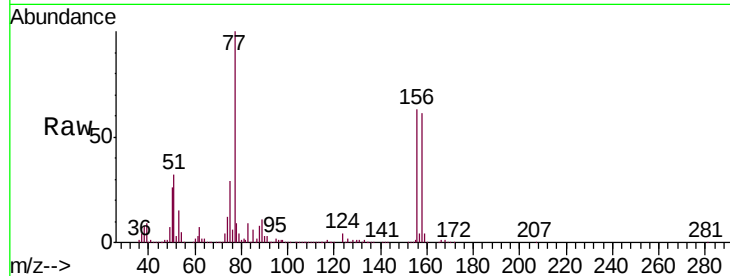
158 97.5 48.9 146.6

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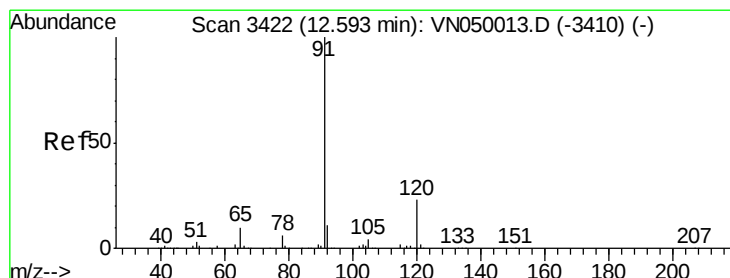
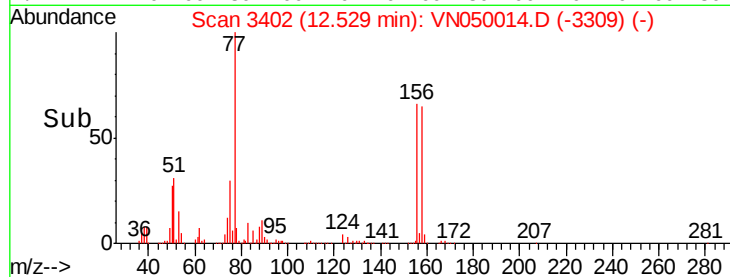
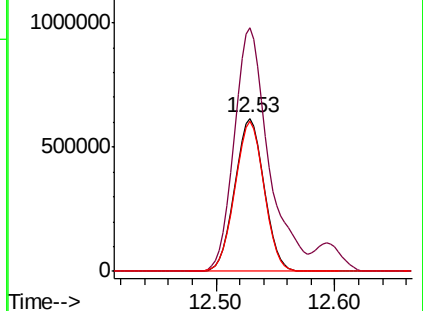
7/26/2018 1:50:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.30 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050014.D

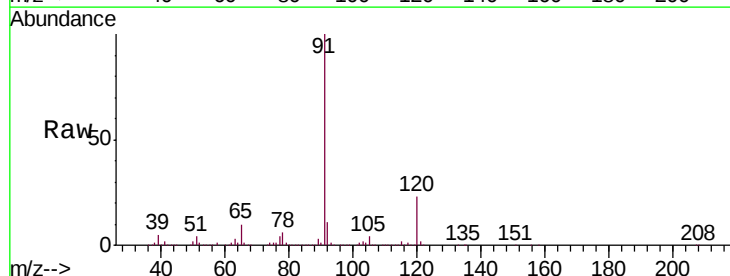
Acq: 23 Jul 2018 19:12

Tgt Ion: 91 Resp: 4716022

Ion Ratio Lower Upper

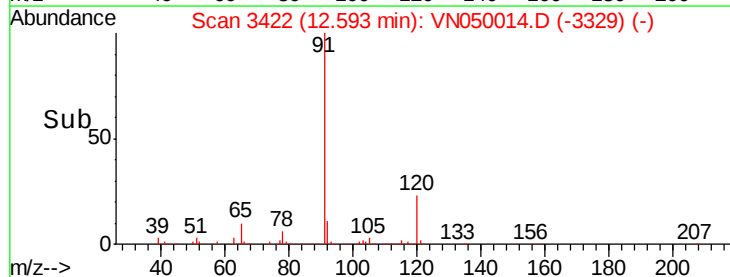
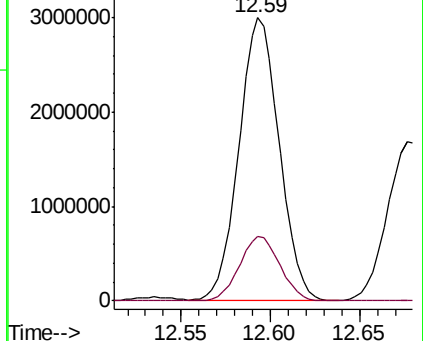
91 100

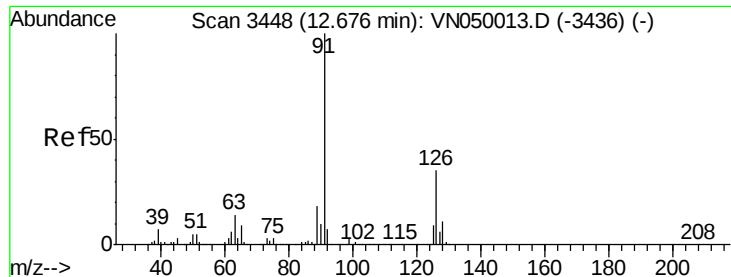
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2774613

Ion Ratio Lower Upper

91 100

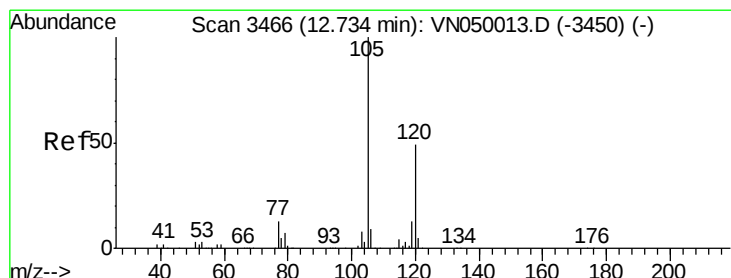
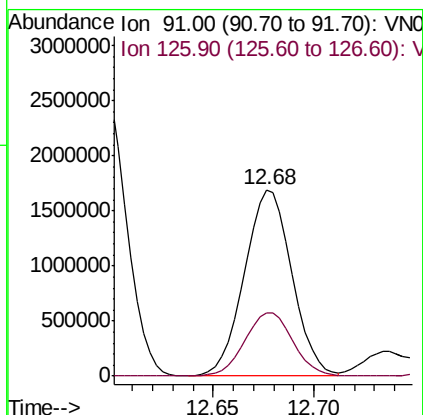
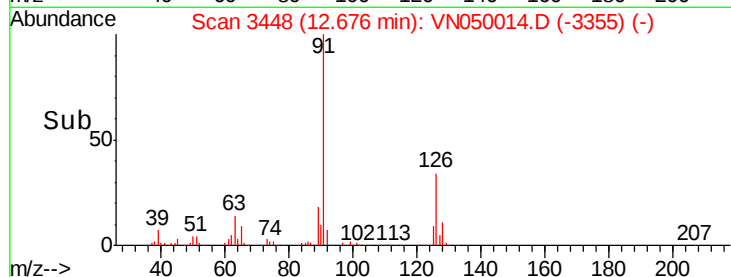
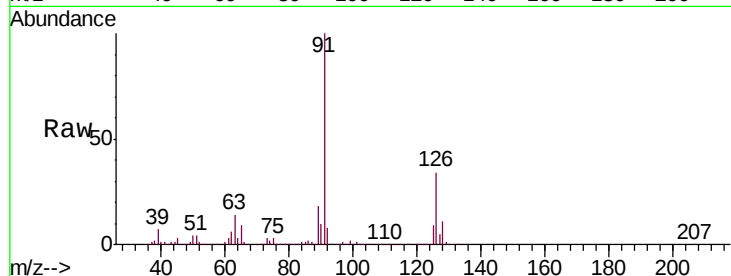
126 34.7 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 103.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050014.D

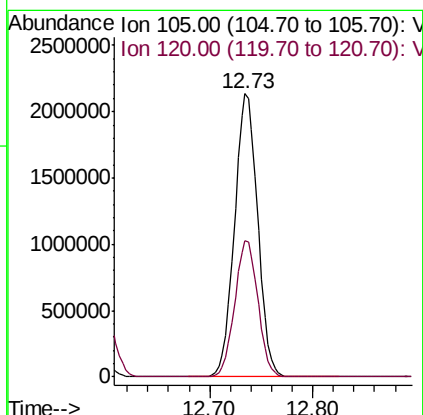
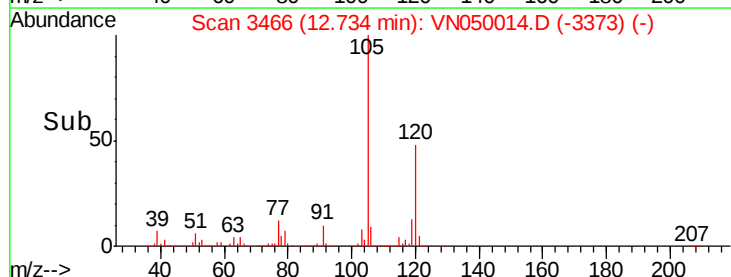
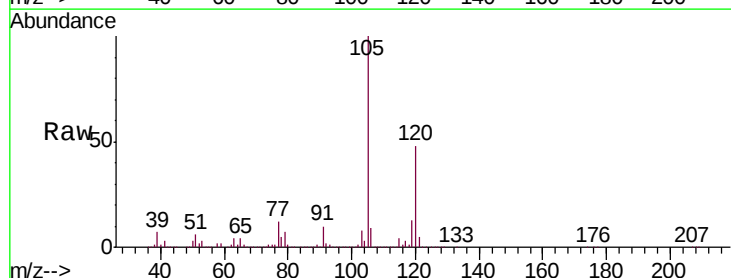
Acq: 23 Jul 2018 19:12

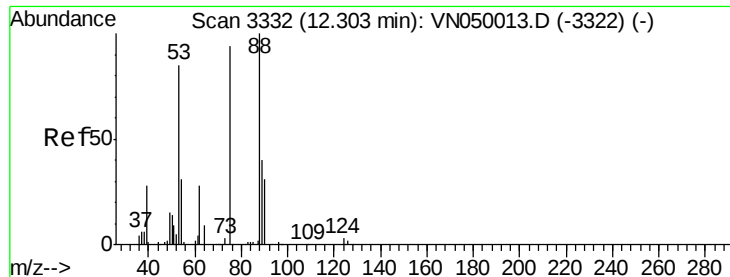
Tgt Ion: 105 Resp: 3340410

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 104.27 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 329480

Ion Ratio Lower Upper

75 100

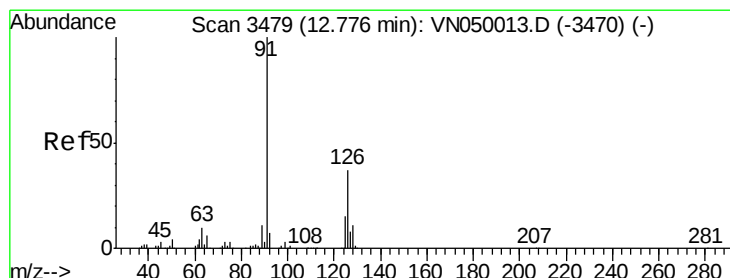
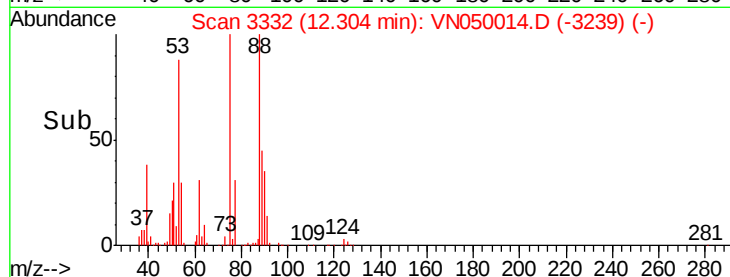
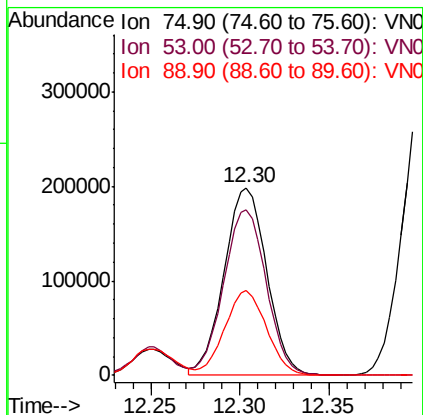
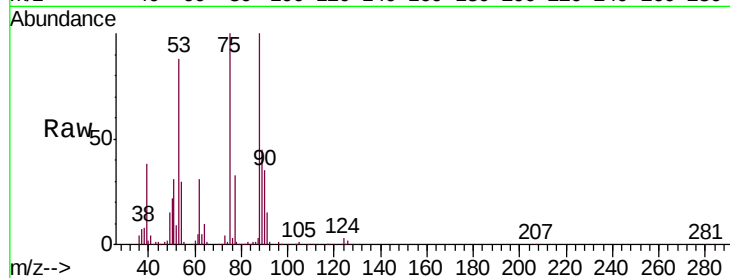
53 88.6 73.5 110.3

89 44.4 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 100.77 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050014.D

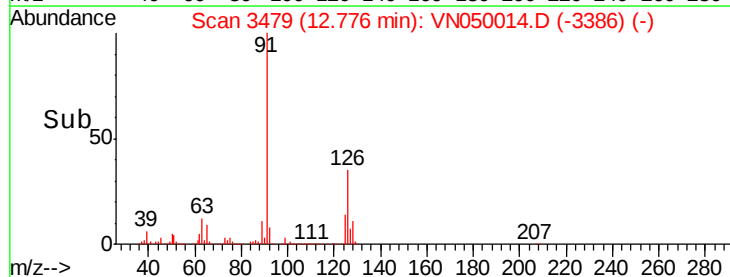
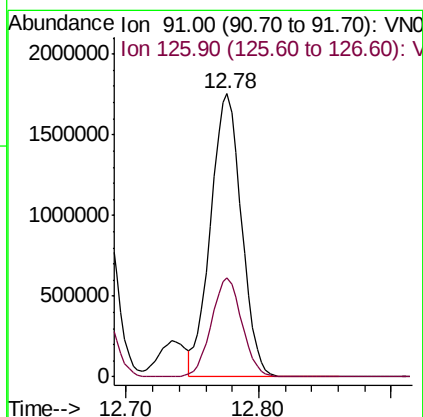
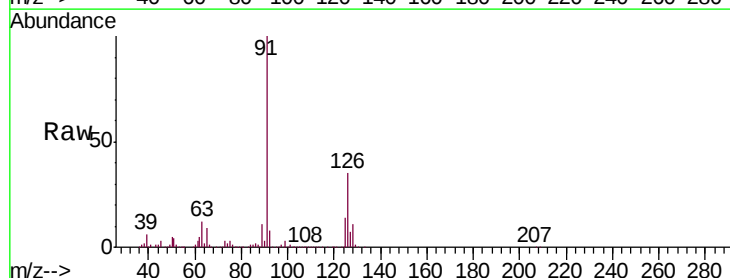
Acq: 23 Jul 2018 19:12

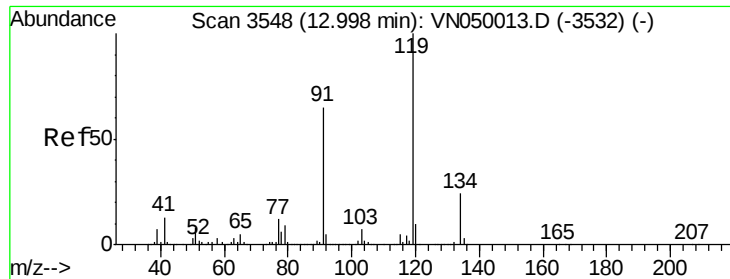
Tgt Ion: 91 Resp: 2831445

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0





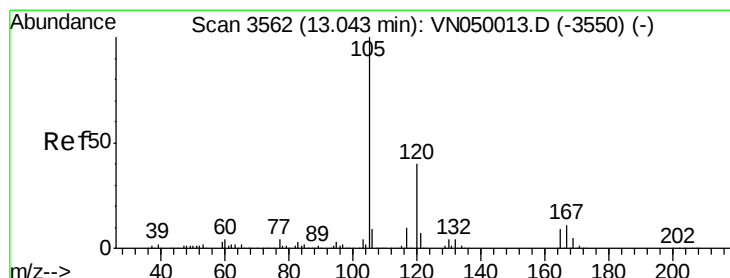
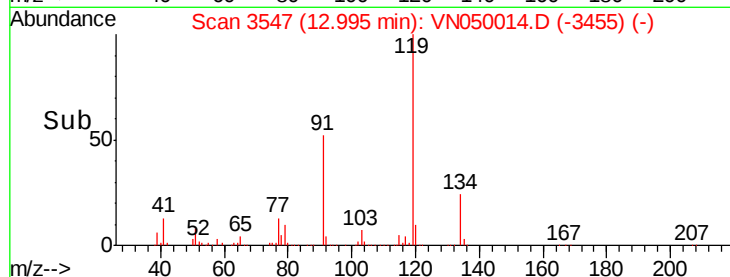
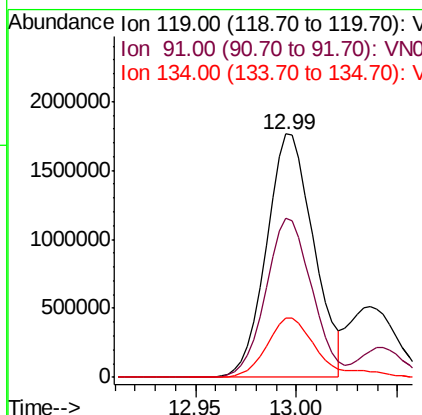
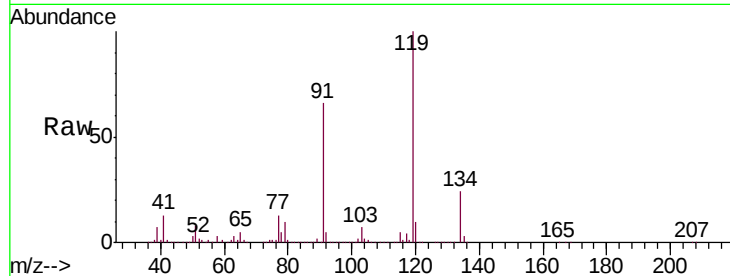
#83
 tert-Butylbenzene
 Concen: 101.51 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2859749
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.1 96.3
 134 26.2 13.2 39.5

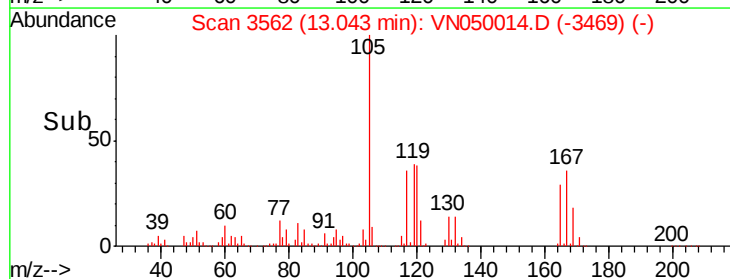
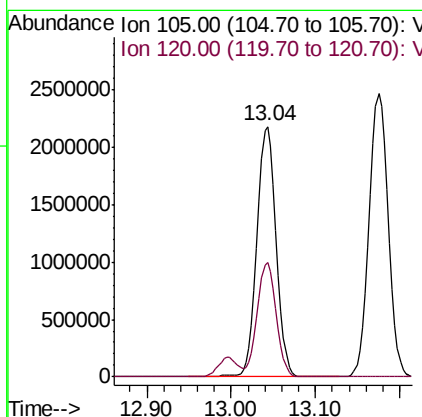
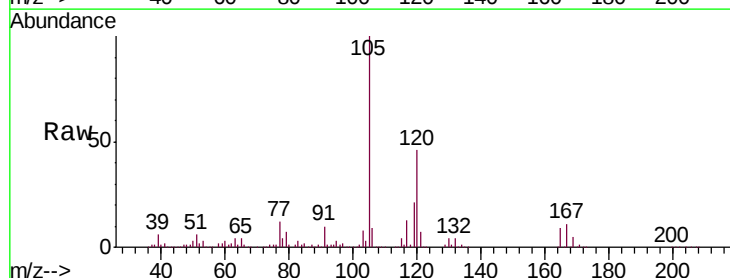
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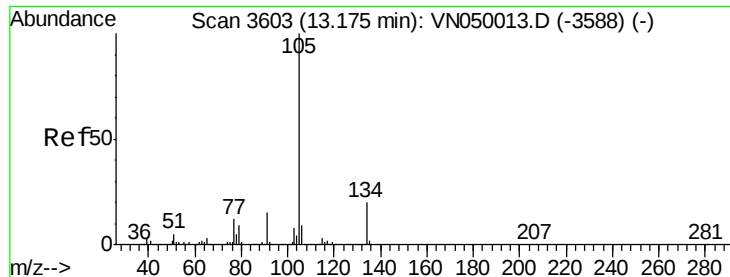
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 105.13 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion:105 Resp: 3424502
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 103.68 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 3866031

Ion Ratio Lower Upper

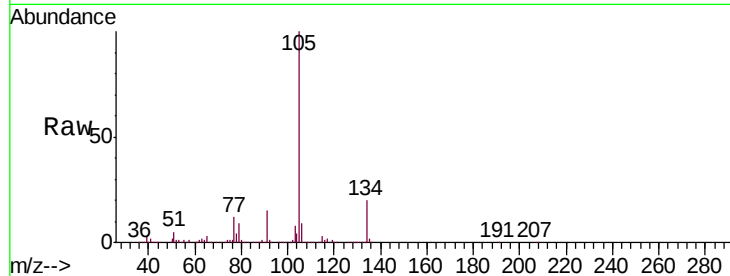
105 100

134 20.0 10.1 30.1

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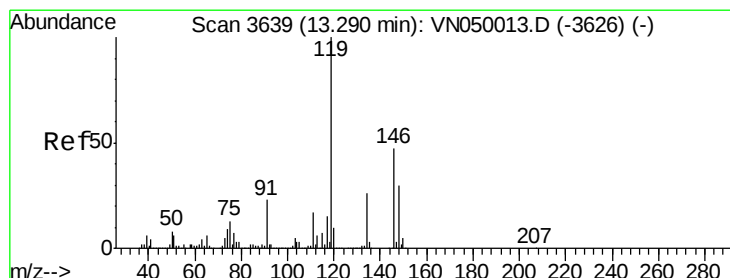
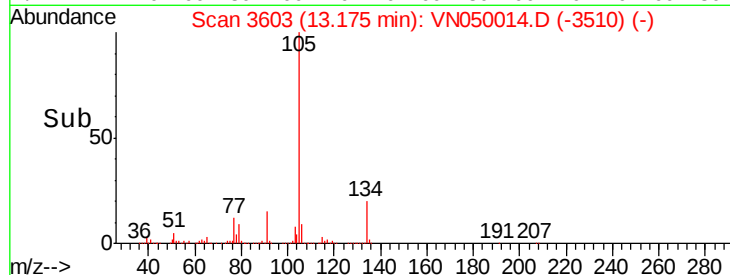
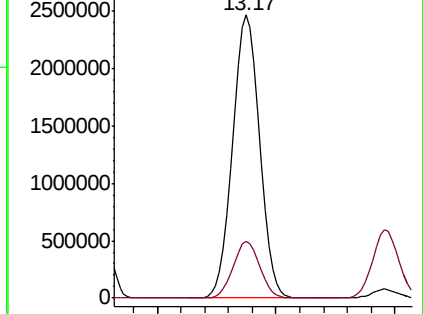
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.14 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

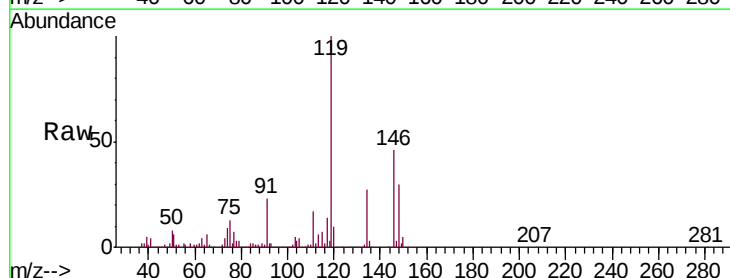
Tgt Ion:119 Resp: 3406508

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

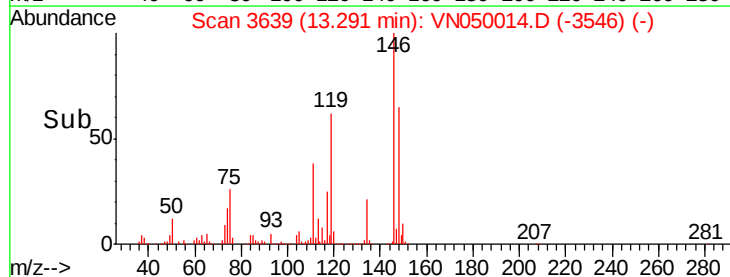
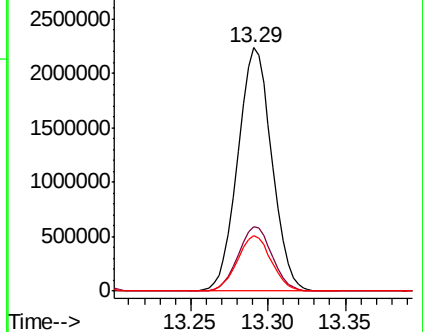
91 22.7 11.4 34.2

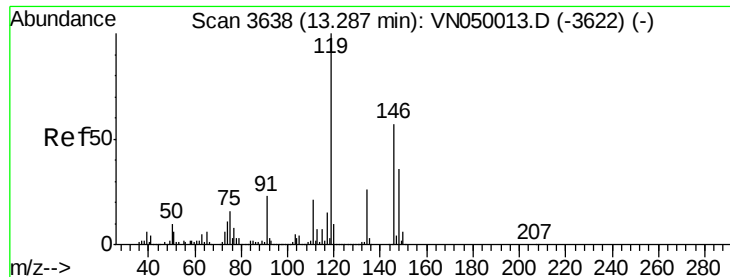


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





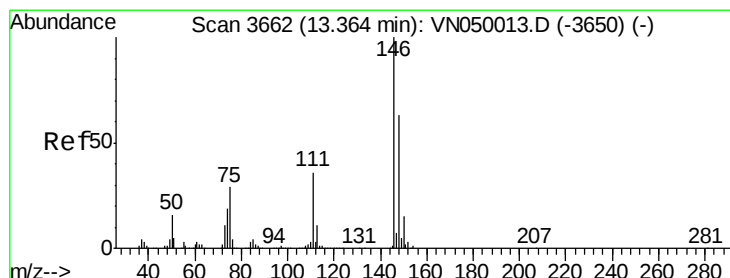
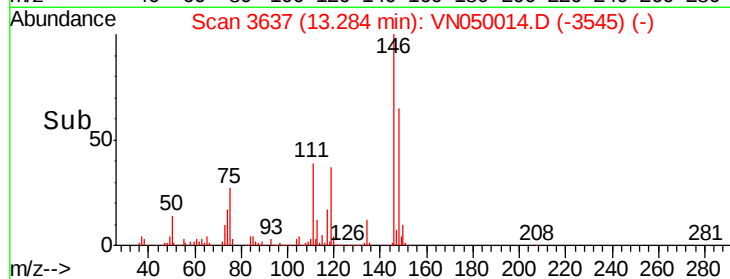
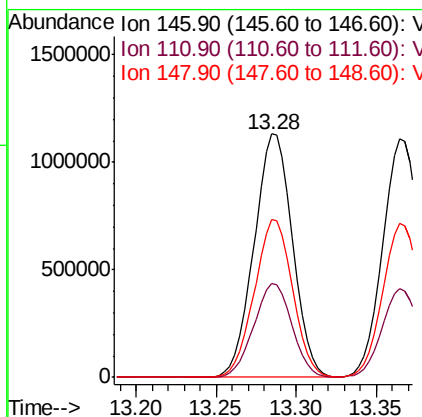
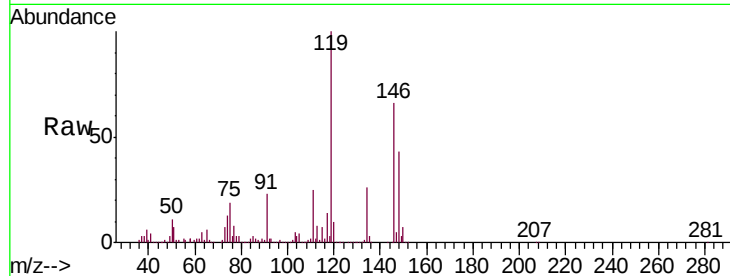
#87
 1,3-Dichlorobenzene
 Concen: 96.90 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.4	31.9	95.9

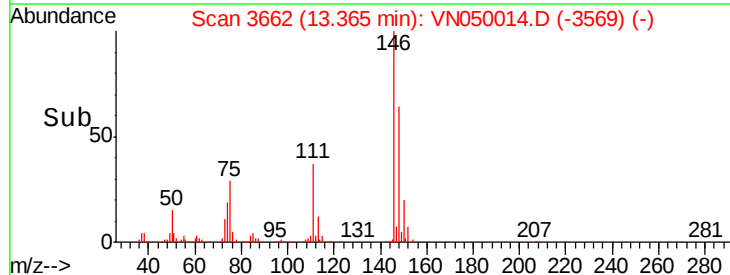
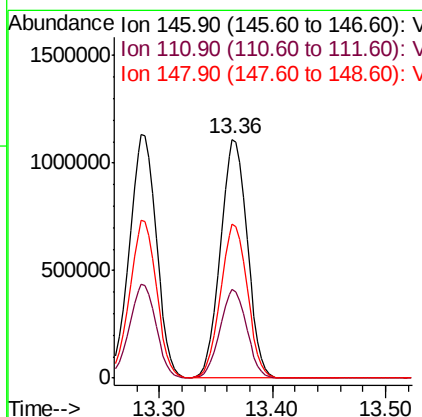
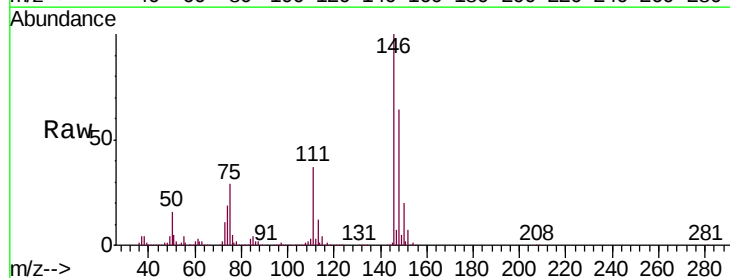
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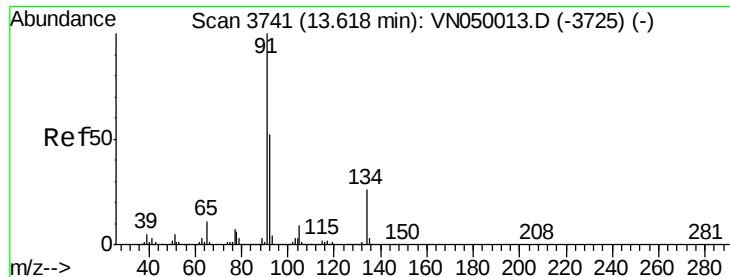
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#88
 1,4-Dichlorobenzene
 Concen: 95.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	64.4	31.9	95.9





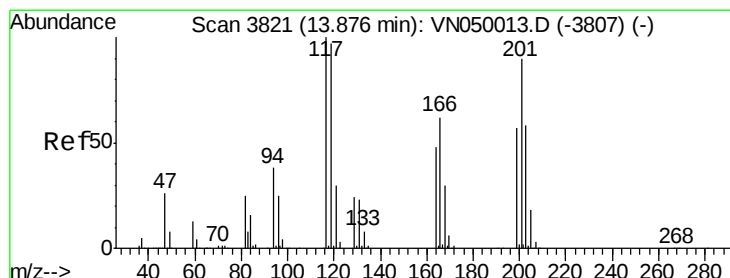
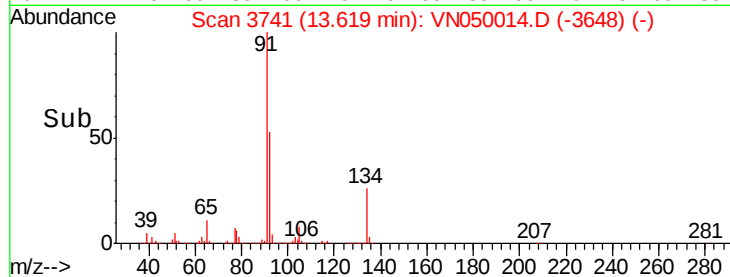
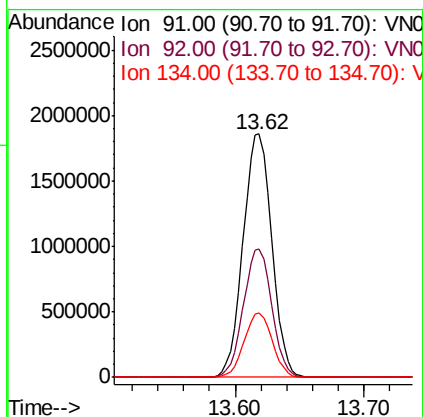
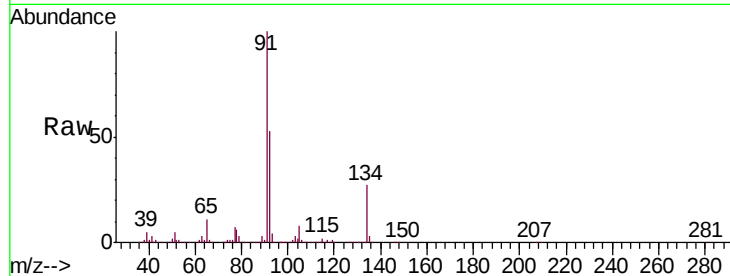
#89
n-Butylbenzene
Concen: 109.93 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.4
134	26.1	12.8	38.4

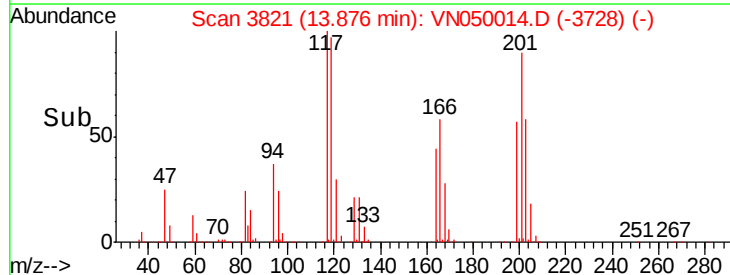
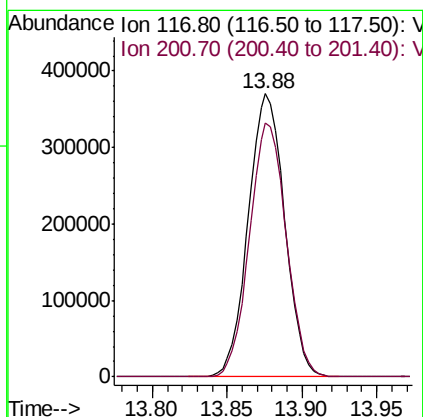
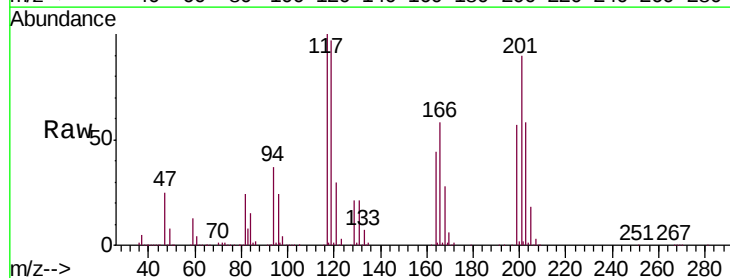
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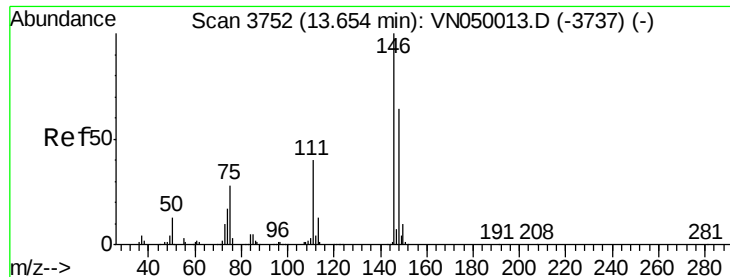
MMDadoda
7/26/2018 1:50:56 PM



#90
Hexachloroethane
Concen: 88.13 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 95.89 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 1817876

Ion Ratio Lower Upper

146 100

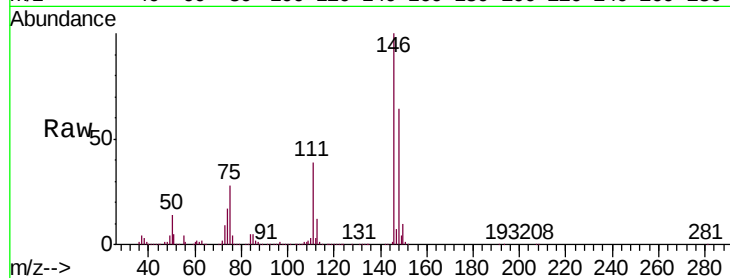
111 39.2 19.6 58.7

148 64.2 32.1 96.3

Manual Integrations
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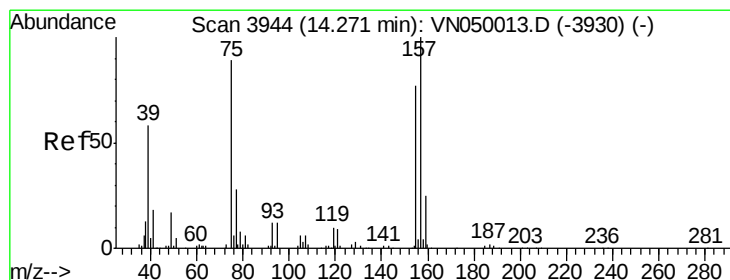
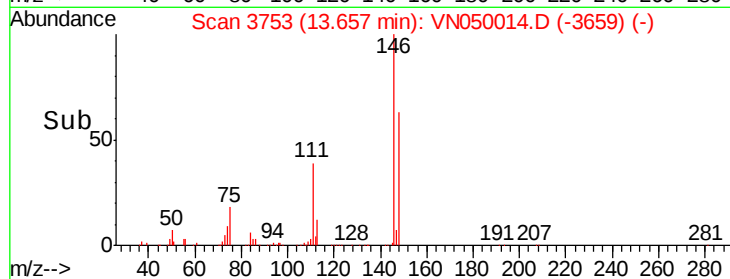
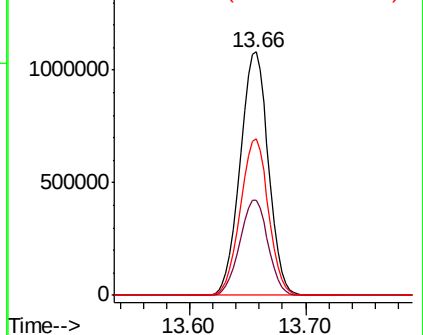
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.35 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050014.D

Acq: 23 Jul 2018 19:12

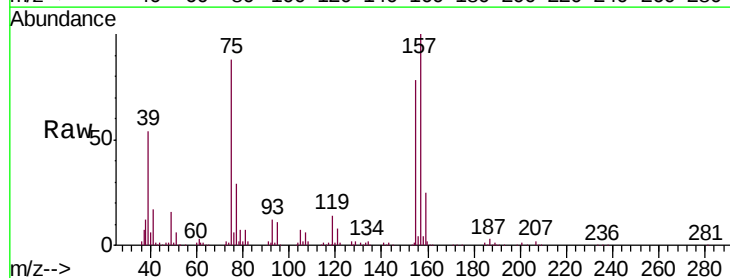
Tgt Ion: 75 Resp: 180112

Ion Ratio Lower Upper

75 100

155 90.2 44.8 134.4

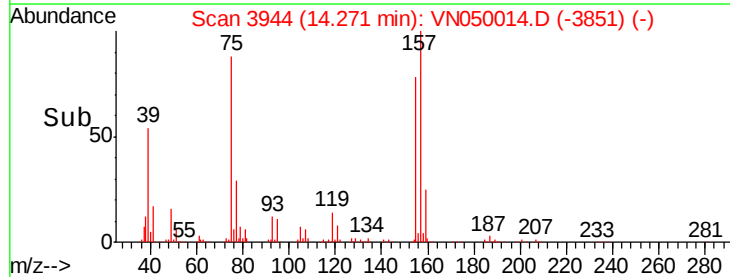
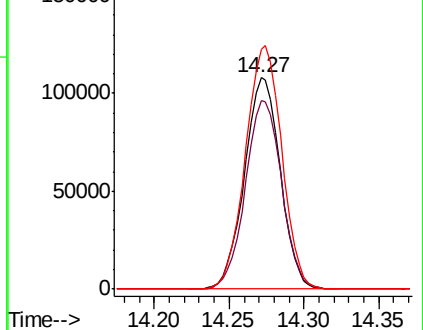
157 117.0 57.2 171.6

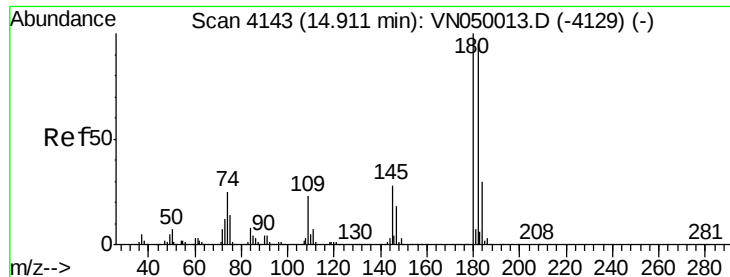


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





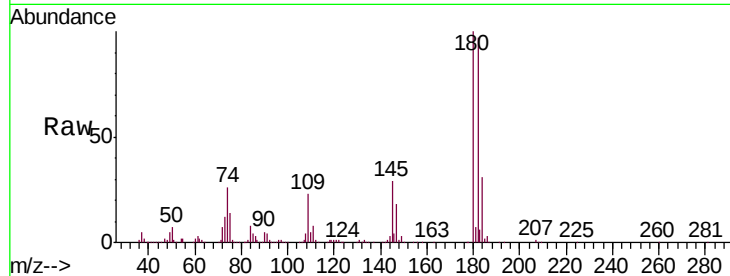
#93
 1,2,4-Trichlorobenzene
 Concen: 117.79 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

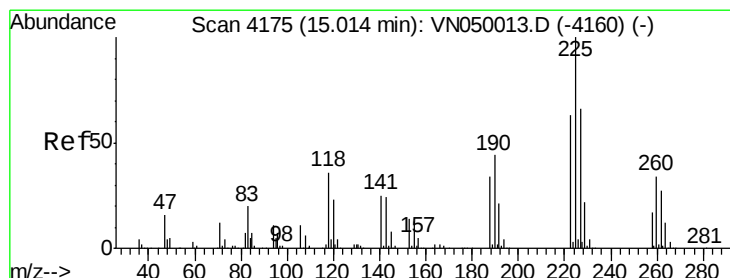
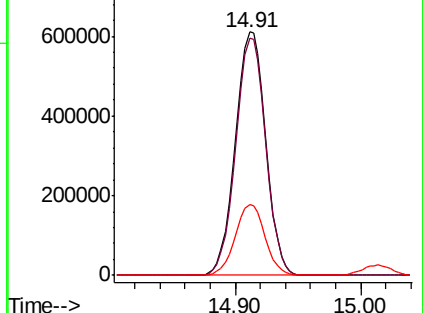
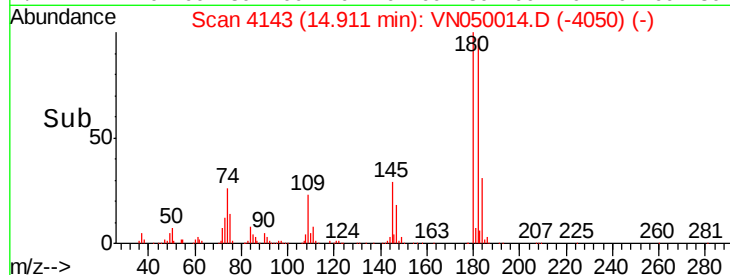
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.7	140.1
145	28.5	13.8	41.4

Manual Integrations
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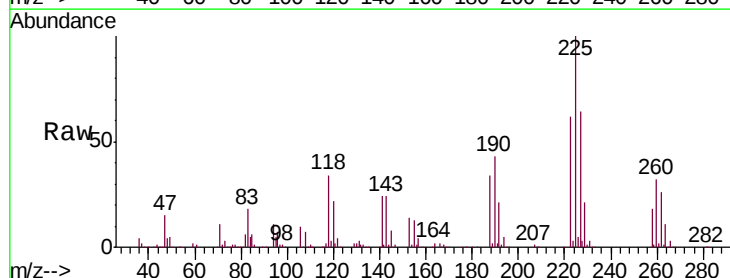


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

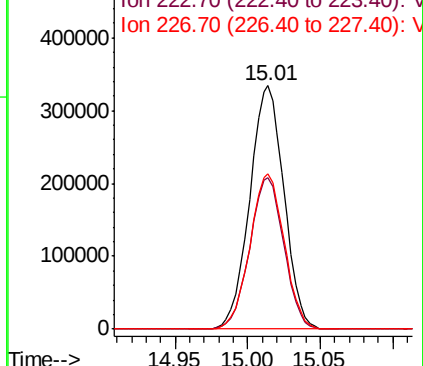
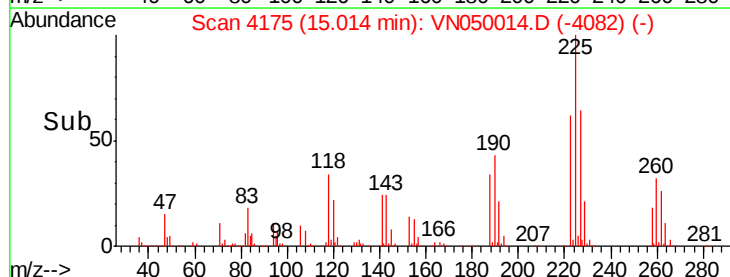


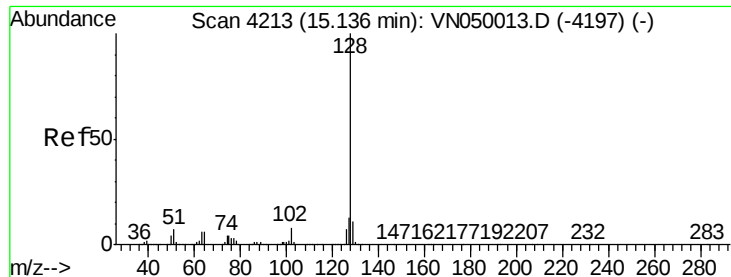
#94
 Hexachlorobutadiene
 Concen: 88.54 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050014.D
 Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.4	94.2
227	63.8	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





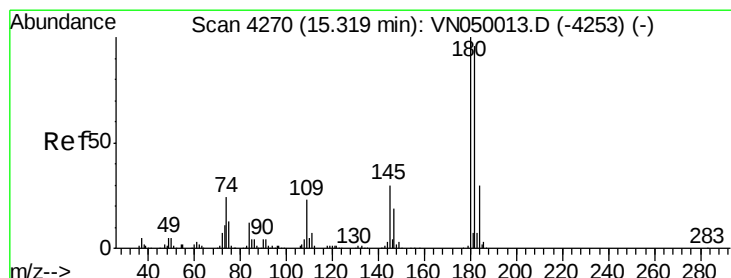
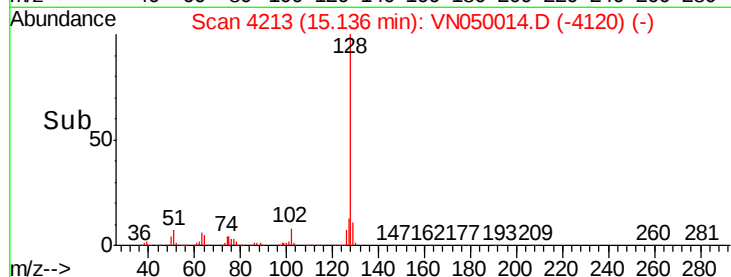
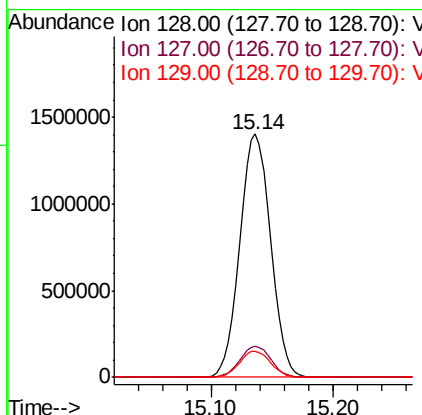
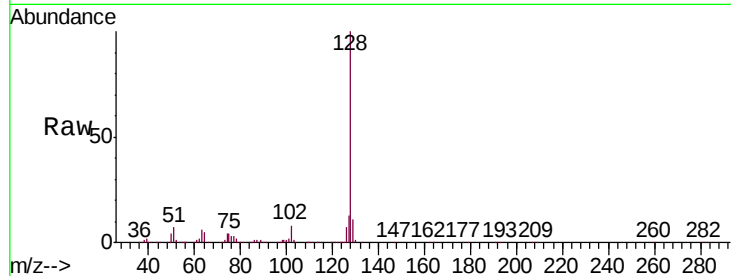
#95
Naphthalene
Concen: 127.32 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 110.28 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050014.D
Acq: 23 Jul 2018 19:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.4
145	30.3	15.3	45.9

