

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050013.D
 Acq On : 23 Jul 2018 18:47
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 7/26/2018 1:50:52 PM

Quant Time: Jul 24 06:02:08 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	662133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	480275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447914	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	396037	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	1483148	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	500363	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	507908	65.42	ug/l	100
3) Chloromethane	2.06	50	501928	53.62	ug/l	100
4) Vinyl Chloride	2.18	62	527974	53.19	ug/l	100
5) Bromomethane	2.55	94	299678	47.31	ug/l	100
6) Chloroethane	2.69	64	306599	48.07	ug/l	100
7) Trichlorofluoromethane	3.01	101	665593	49.41	ug/l	100
8) Diethyl Ether	3.41	74	229767	49.29	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	394034	47.65	ug/l	100
10) Methyl Iodide	3.95	142	557381	50.61	ug/l	100
11) Tert butyl alcohol	4.81	59	166494	254.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	365408	50.13	ug/l	100
13) Acrolein	3.61	56	144973	327.45	ug/l	100
14) Allyl chloride	4.32	41	577357	50.52	ug/l	100
15) Acrylonitrile	4.99	53	731835	255.84	ug/l	100
16) Acetone	3.82	43	548430	231.18	ug/l	100
17) Carbon Disulfide	4.05	76	1097577	50.08	ug/l	100
18) Methyl Acetate	4.33	43	422334	46.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1040870	52.38	ug/l	100
20) Methylene Chloride	4.55	84	416174	46.12	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	388815	50.55	ug/l	100
22) Diisopropyl ether	5.96	45	1216872	52.52	ug/l	100
23) Vinyl Acetate	5.90	43	4306399	265.22	ug/l	100
24) 1,1-Dichloroethane	5.85	63	730396	48.86	ug/l	100
25) 2-Butanone	6.84	43	876988	258.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	549719	47.44	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	432110	51.35	ug/l	100
28) Bromochloromethane	7.20	49	340590	50.82	ug/l	100
29) Tetrahydrofuran	7.22	42	580096	272.02	ug/l	100
30) Chloroform	7.37	83	739104	48.33	ug/l	100
31) Cyclohexane	7.66	56	623571	44.54	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	637324	48.13	ug/l	100
36) 1,1-Dichloropropene	7.80	75	554156	51.71	ug/l	100
37) Ethyl Acetate	6.94	43	381323	52.00	ug/l	100
38) Carbon Tetrachloride	7.78	117	566162	49.29	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	580601	52.36	ug/l	100
40) Benzene	8.04	78	1673692	51.15	ug/l	100
41) Methacrylonitrile	7.17	41	159996	44.47	ug/l	100
42) 1,2-Dichloroethane	8.13	62	540068	49.97	ug/l	100
43) Isopropyl Acetate	8.17	43	700499	54.27	ug/l	100
44) Trichloroethene	8.84	130	430307	50.20	ug/l	100
45) 1,2-Dichloropropane	9.12	63	435790	49.56	ug/l	100
46) Dibromomethane	9.21	93	273752	50.17	ug/l	100
47) Bromodichloromethane	9.41	83	564727	50.10	ug/l	100
48) Methyl methacrylate	9.20	41	353825	54.63	ug/l	100
49) 1,4-Dioxane	9.20	88	95113	1053.22	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1994564	277.72	ug/l	100
52) Toluene	10.16	92	1036770	53.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571166	51.38	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	642882	52.23	ug/l	100
55) 1,1,2-Trichloroethane	10.57	97	386094	48.18	ug/l	100
56) Ethyl methacrylate	10.43	69	507632	54.57	ug/l	100
57) 1,3-Dichloropropane	10.71	76	649562	51.37	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1206318	284.23	ug/l	100
59) 2-Hexanone	10.75	43	1362844	282.93	ug/l	100
60) Dibromochloromethane	10.90	129	442441	50.37	ug/l	100
61) 1,2-Dibromoethane	11.01	107	391229	52.13	ug/l	100
64) Tetrachloroethene	10.63	164	420122	51.81	ug/l	100
65) Chlorobenzene	11.44	112	1110080	49.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419031	48.40	ug/l	100
67) Ethyl Benzene	11.51	91	1923230	53.02	ug/l	100
68) m/p-Xylenes	11.62	106	1488380	108.53	ug/l	100
69) o-Xylene	11.95	106	707608	53.75	ug/l	100
70) Styrene	11.97	104	1158318	54.56	ug/l	100
71) Bromoform	12.13	173	315675	51.17	ug/l	100
73) Isopropylbenzene	12.25	105	1893164	51.58	ug/l	100
74) N-amyl acetate	12.07	43	588661	52.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	510008	46.48	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	422297m	47.00	ug/l	
77) Bromobenzene	12.53	156	492919	48.65	ug/l	100
78) n-propylbenzene	12.59	91	2191177	52.54	ug/l	100
79) 2-Chlorotoluene	12.68	91	1299716	50.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1562503	53.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144926	50.21	ug/l	100
82) 4-Chlorotoluene	12.78	91	1324705	51.61	ug/l	100
83) tert-Butylbenzene	13.00	119	1331854	51.75	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1602529	53.86	ug/l	100
85) sec-Butylbenzene	13.17	105	1799605	52.83	ug/l	100
86) p-Isopropyltoluene	13.29	119	1567922	53.99	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	870571	49.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	845540	47.90	ug/l	100
89) n-Butylbenzene	13.62	91	1282250	53.55	ug/l	100
90) Hexachloroethane	13.88	117	291568	44.78	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	849624	49.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82617	48.38	ug/l	100

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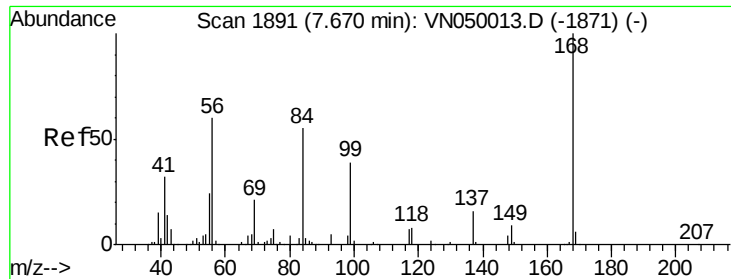
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	441978	55.56	ug/l	100
94) Hexachlorobutadiene	15.01	225	251432	44.37	ug/l	100
95) Naphthalene	15.14	128	1006104	57.54	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	434532	52.51	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 662133

Ion Ratio Lower Upper

168 100

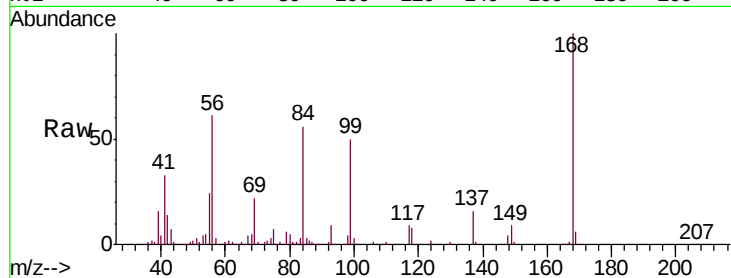
99 50.0 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

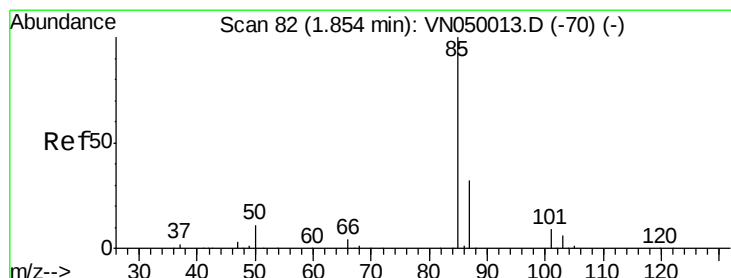
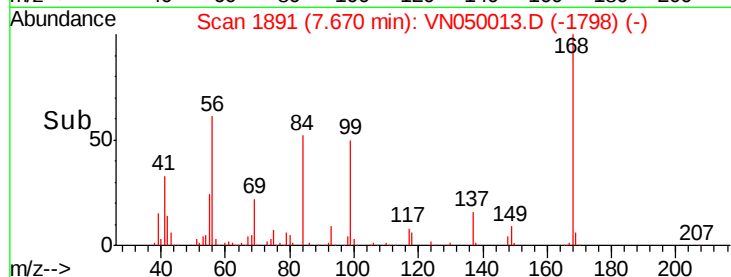
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 65.42 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050013.D

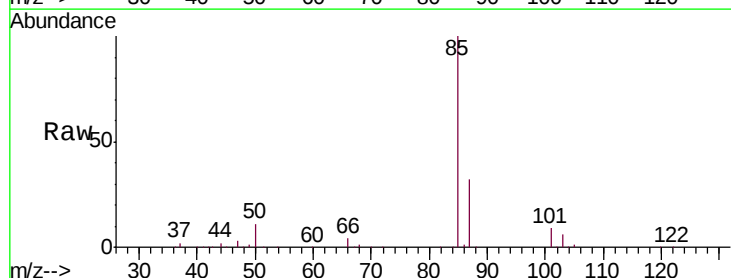
Acq: 23 Jul 2018 18:47

Tgt Ion: 85 Resp: 507908

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

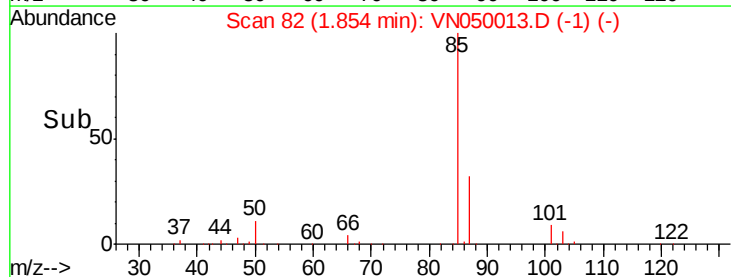
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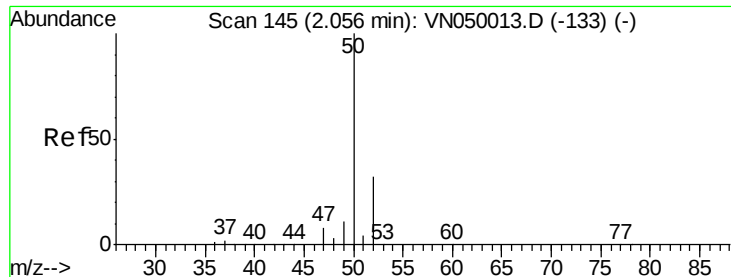
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Time-->





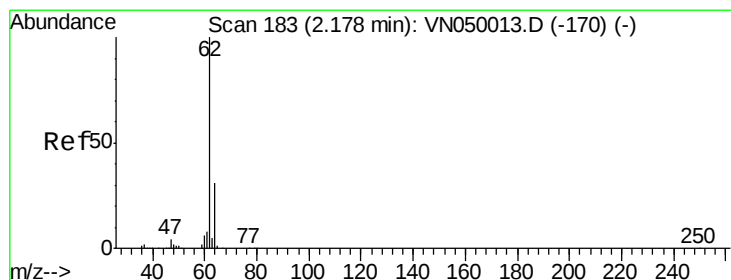
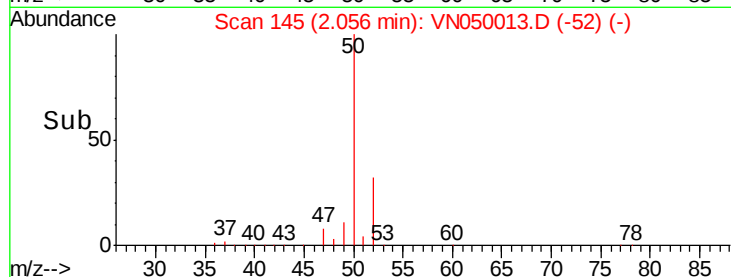
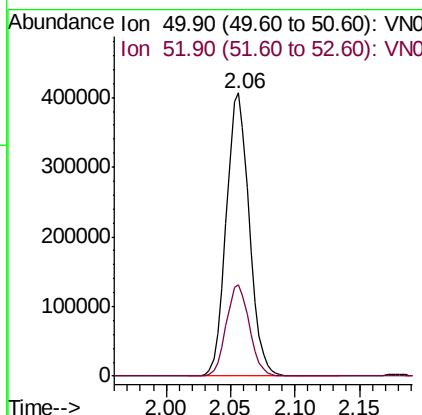
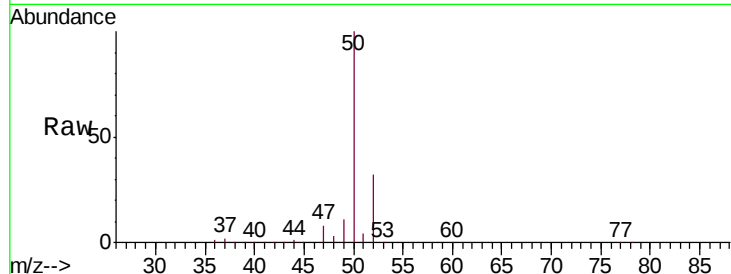
#3
Chloromethane
Concen: 53.62 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

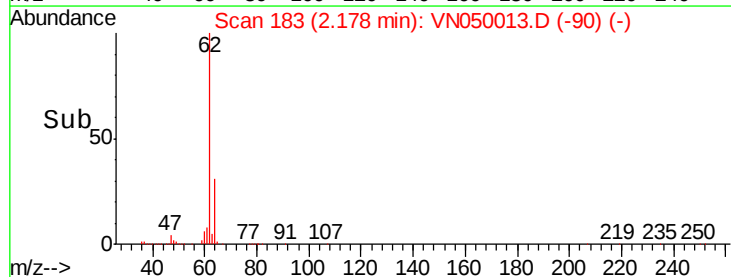
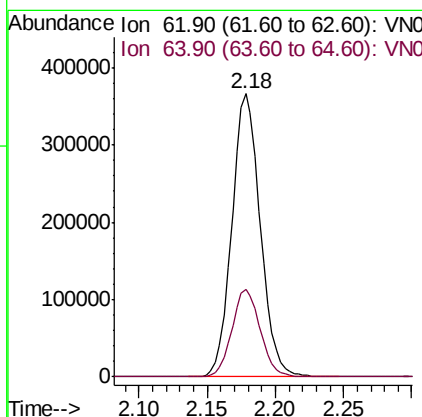
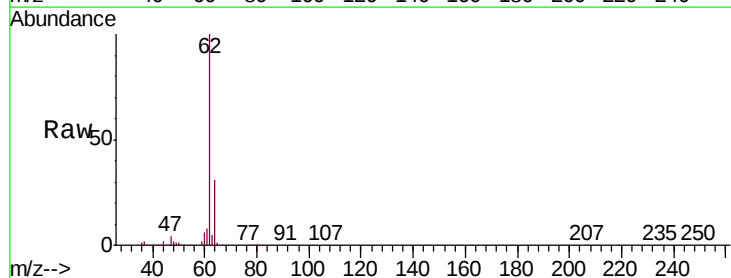
Manual Integrations
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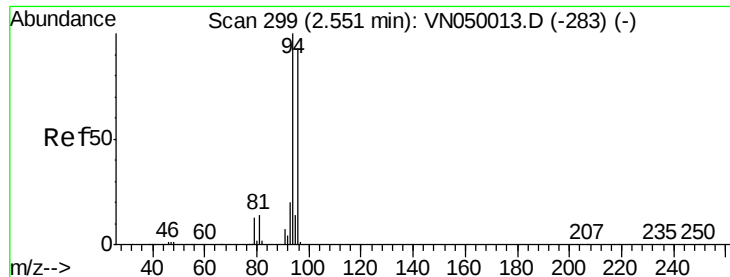
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#4
Vinyl Chloride
Concen: 53.19 ug/l
RT: 2.18 min Scan# 183
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.7	37.1





#5

Bromomethane

Concen: 47.31 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 299678

Ion Ratio Lower Upper

94 100

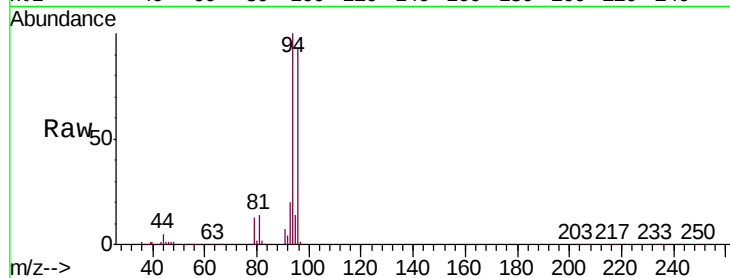
96 93.3 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

100000

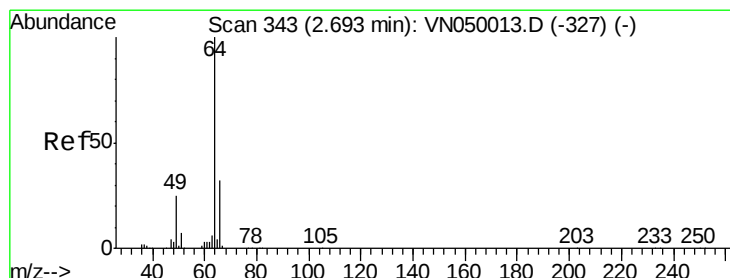
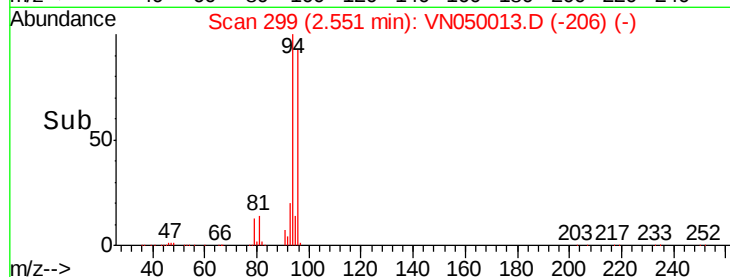
50000

0

2.55

2.50 2.60 2.70

Time-->



#6

Chloroethane

Concen: 48.07 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050013.D

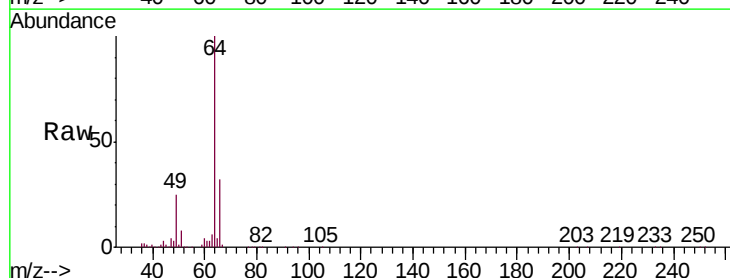
Acq: 23 Jul 2018 18:47

Tgt Ion: 64 Resp: 306599

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

100000

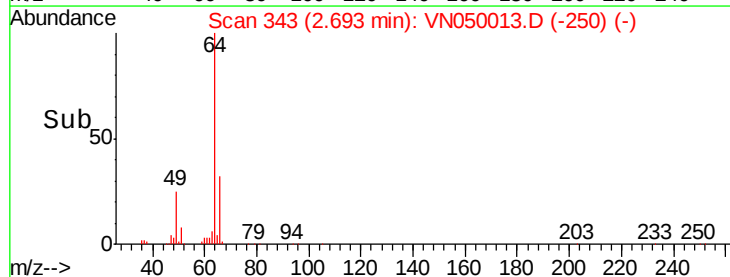
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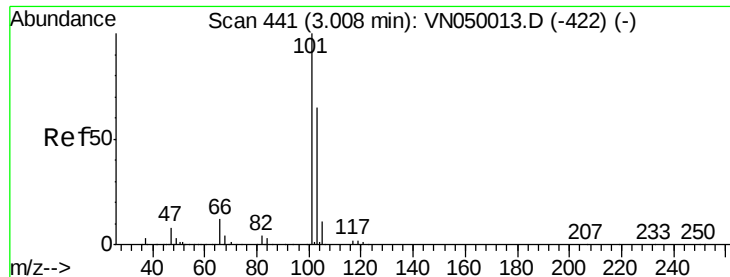
0

2.69

2.60 2.70 2.80

Time-->





#7

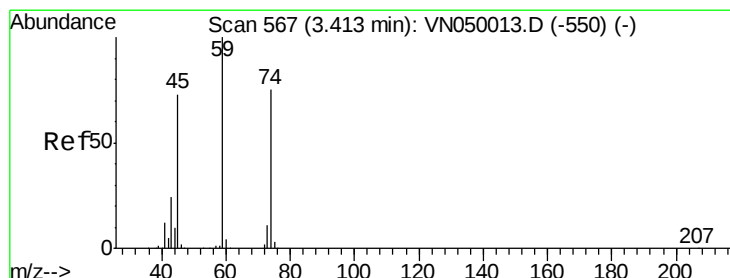
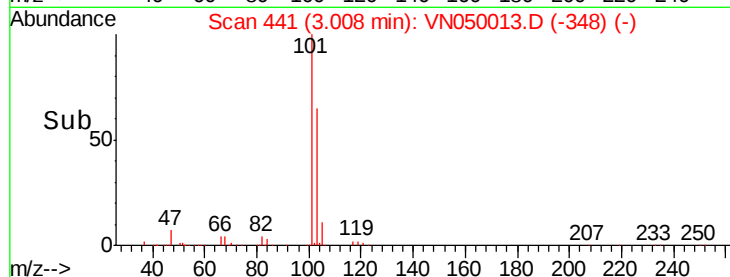
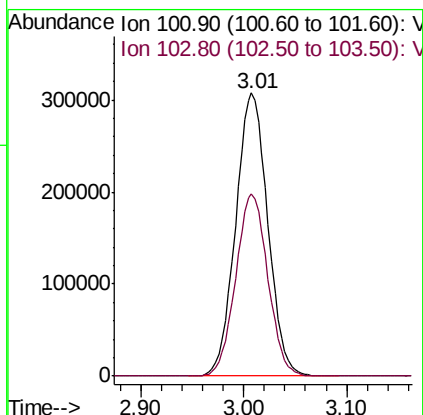
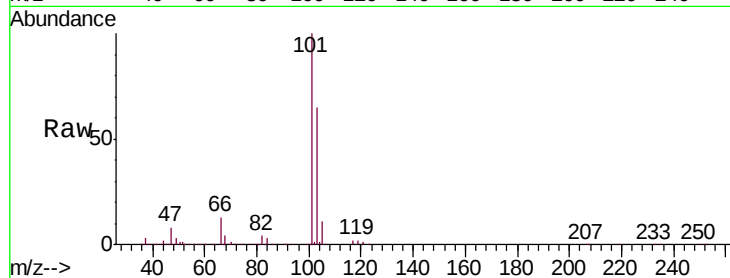
Trichlorofluoromethane
 Concen: 49.41 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

Manual Integrations
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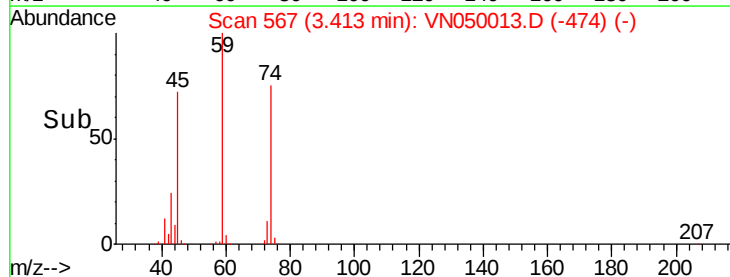
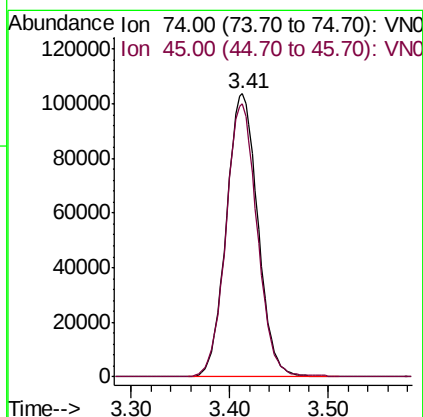
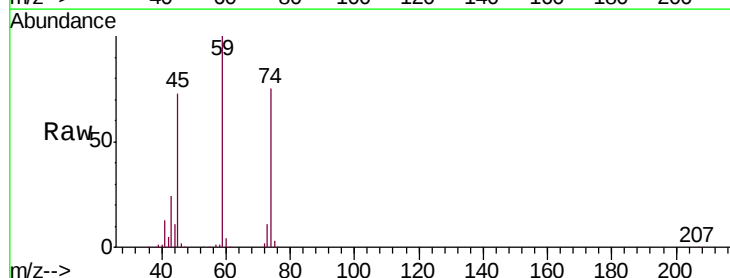
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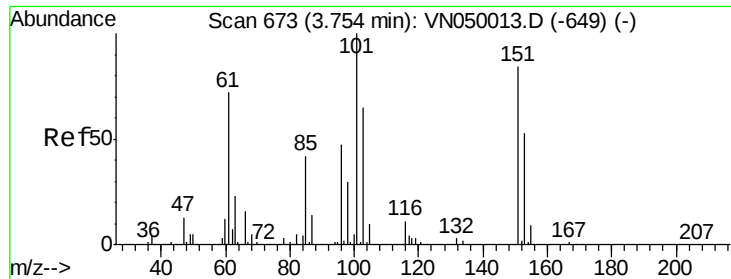


#8

Diethyl Ether
 Concen: 49.29 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.65 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

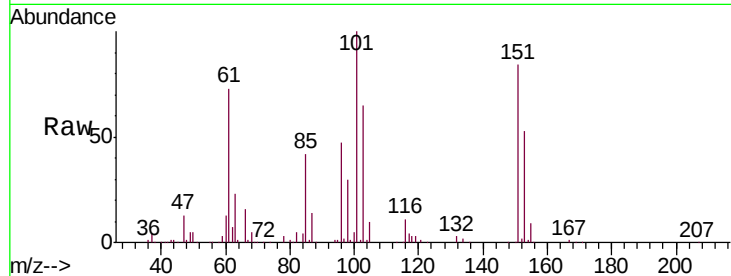
ClientSampleId :

VSTDICCC050

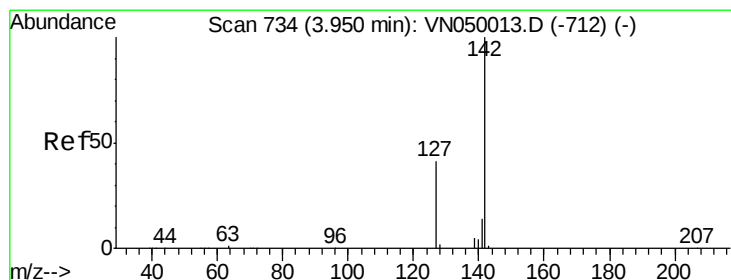
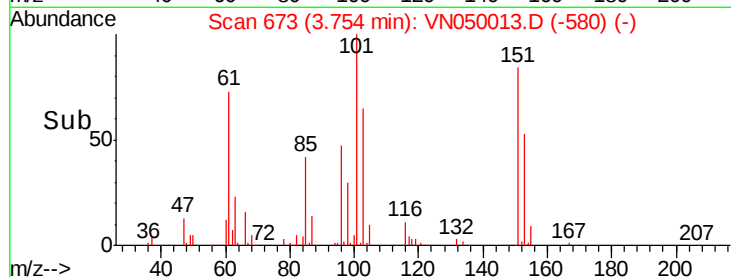
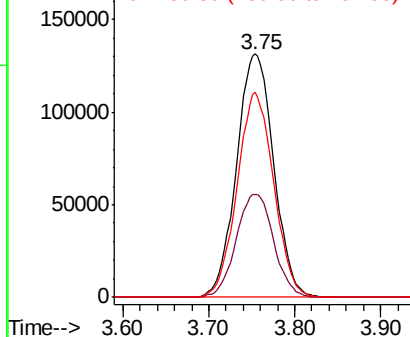
Tot Ion:	101	Resp:	394034
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	82.9	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.61 ug/l

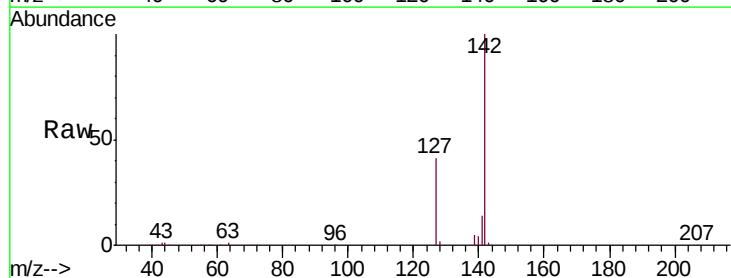
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

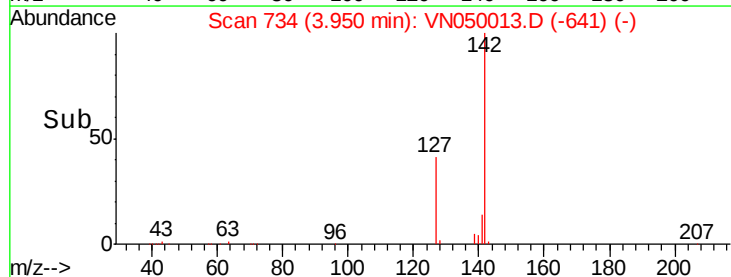
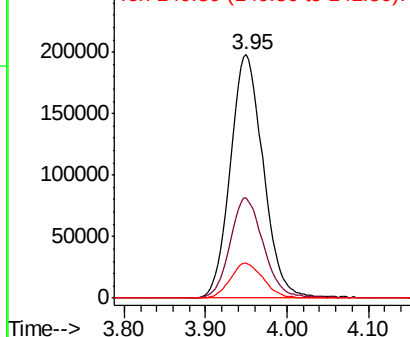
Lab File: VN050013.D

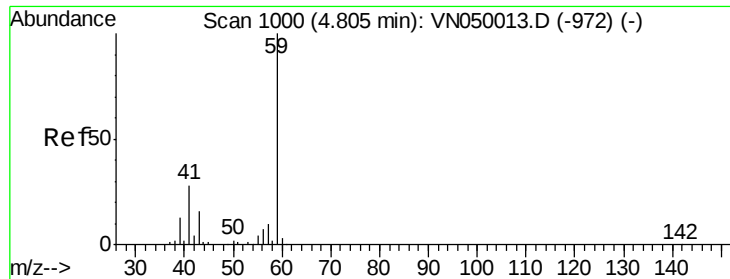
Acq: 23 Jul 2018 18:47

Tgt Ion:	142	Resp:	557381
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.4	50.2
141	14.5	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





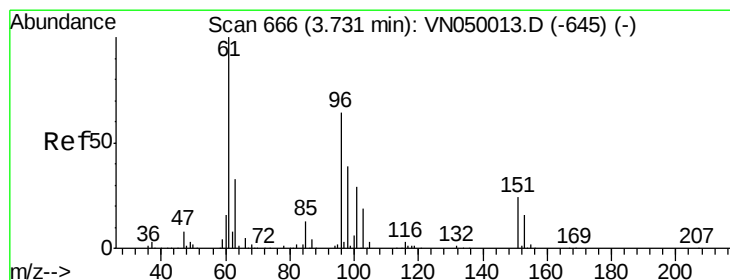
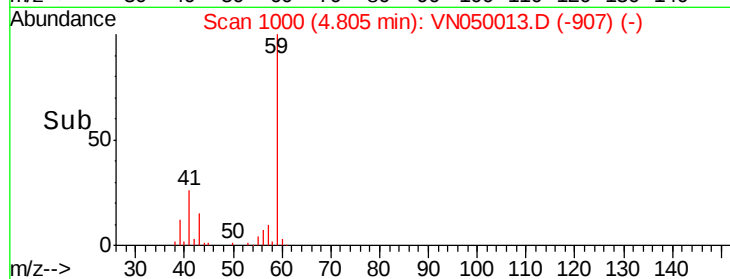
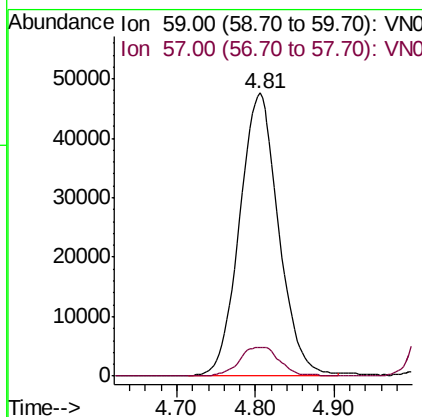
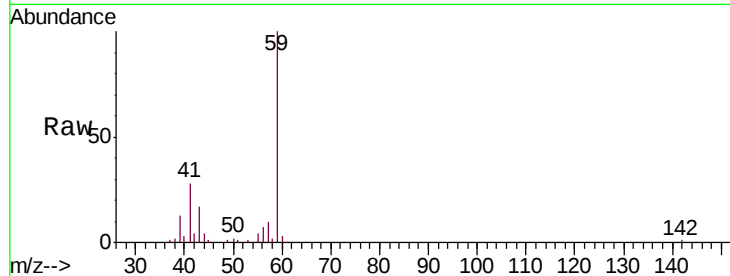
#11
Tert butyl alcohol
Concen: 254.64 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	59	Resp	166494
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

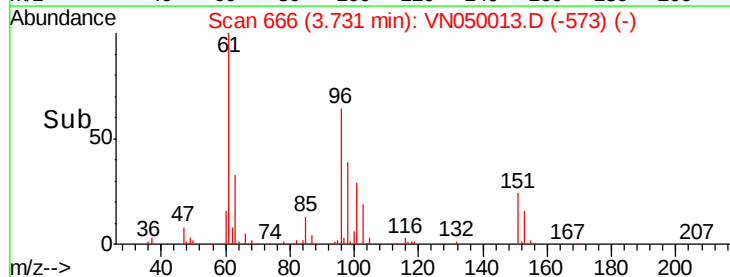
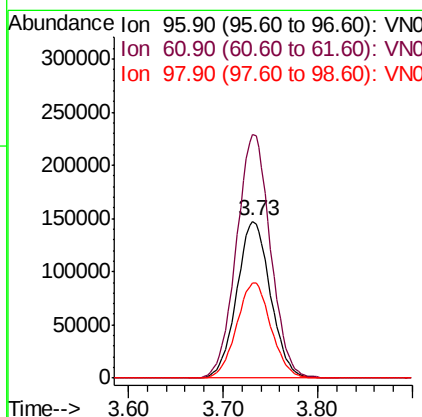
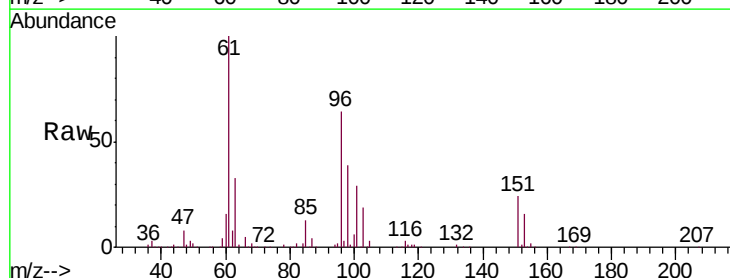
Manual Integrations
APPROVED

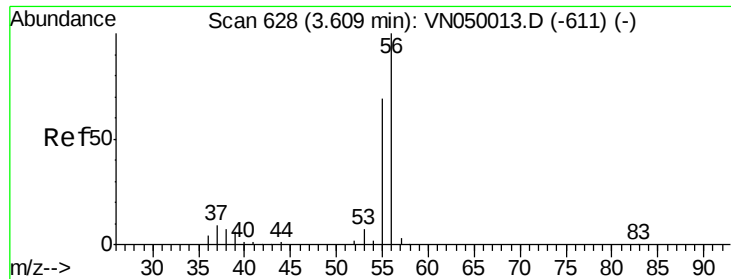
MMDadoda
7/26/2018 1:50:52 PM



#12
1,1-Dichloroethene
Concen: 50.13 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	96	Resp	365408
Ion Ratio	100	Lower	Upper
61	155.5	124.4	186.6
98	60.4	48.3	72.5





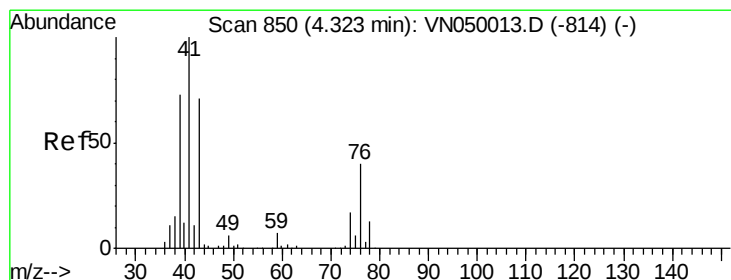
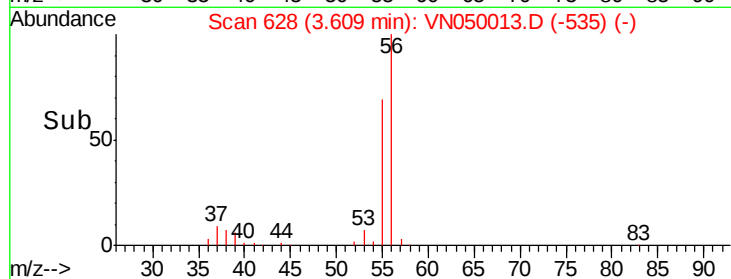
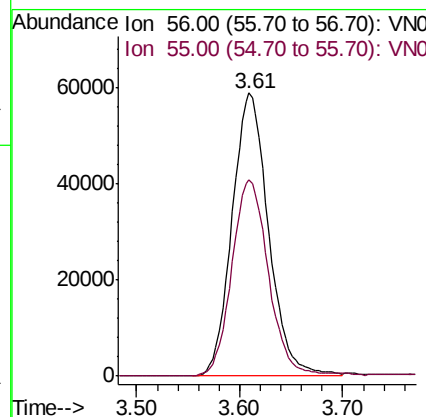
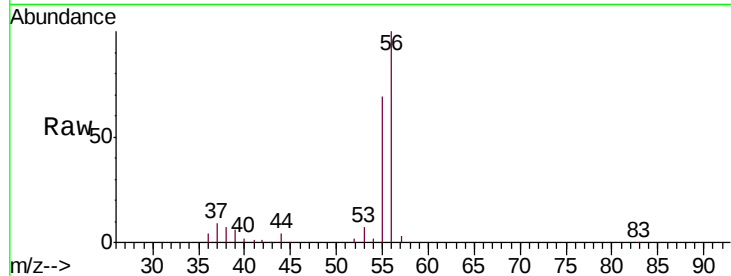
#13
Acrolein
Concen: 327.45 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Resp	144973	Lower	Upper
Ion Ratio	100	69.7				
					55.8	83.6

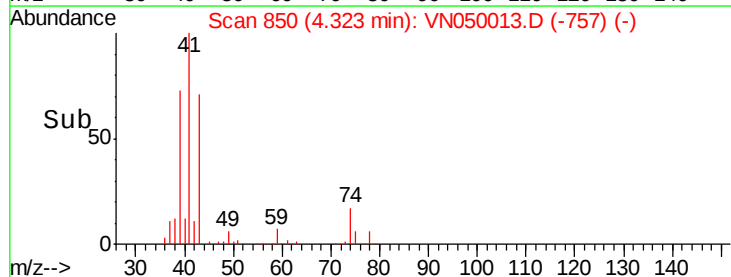
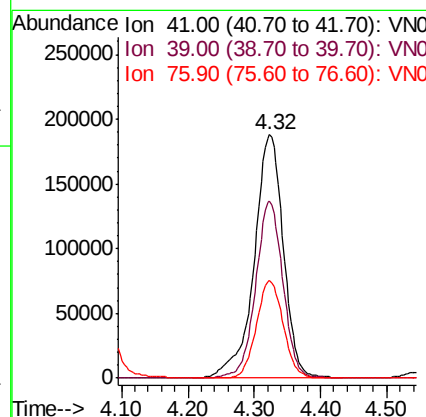
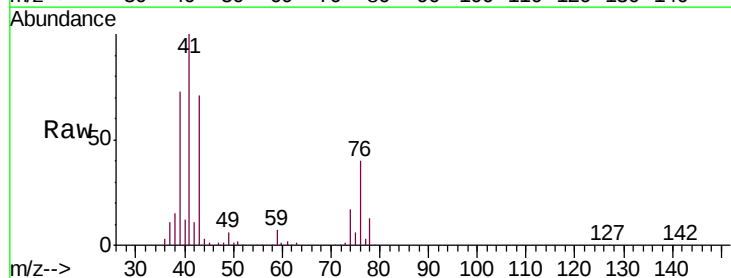
Manual Integrations
APPROVED

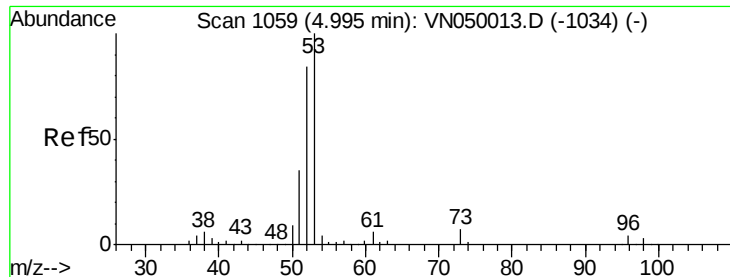
MMDadoda
7/26/2018 1:50:52 PM



#14
Allyl chloride
Concen: 50.52 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	41	39	76	Resp	577357	Lower	Upper
Ion Ratio	100	67.8	36.3				
						54.2	81.4
						29.0	43.6





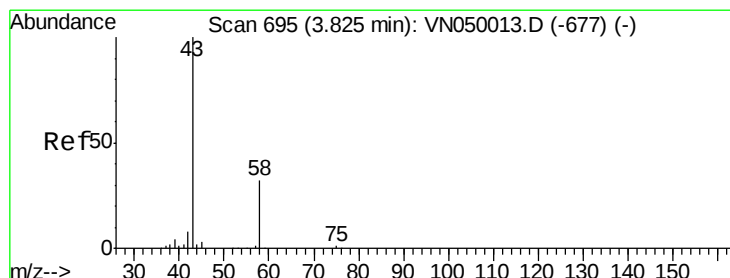
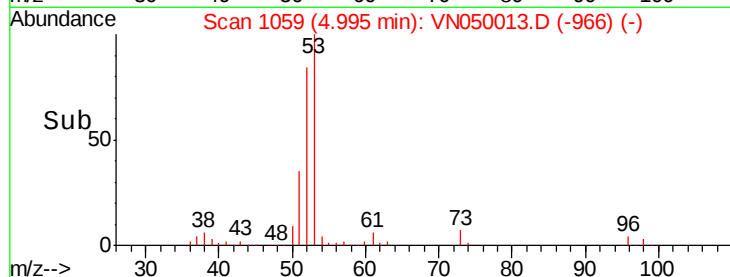
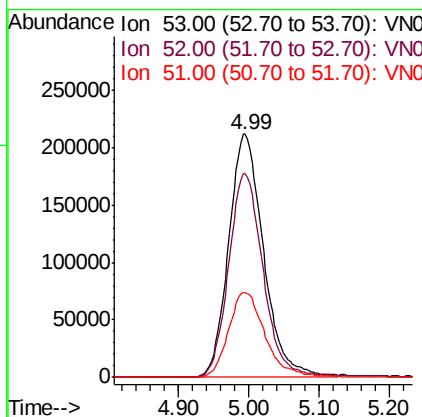
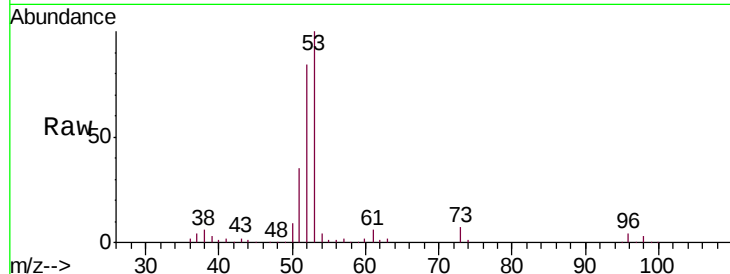
#15
 Acrylonitrile
 Concen: 255.84 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.6	29.3	43.9

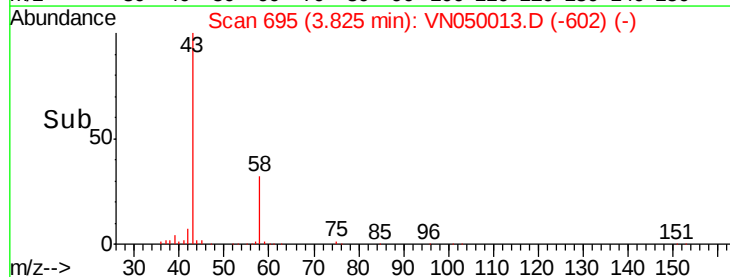
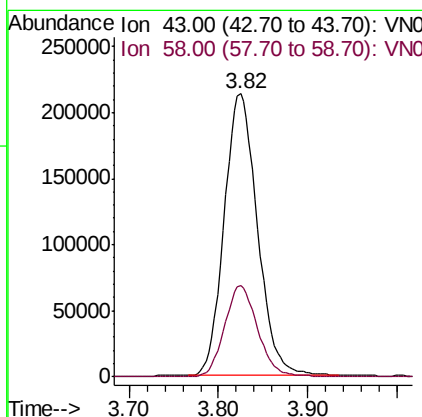
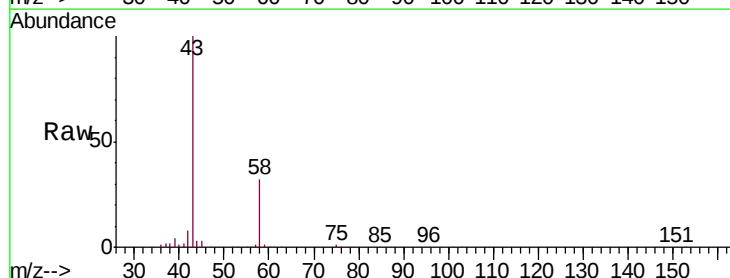
Manual Integrations
 APPROVED

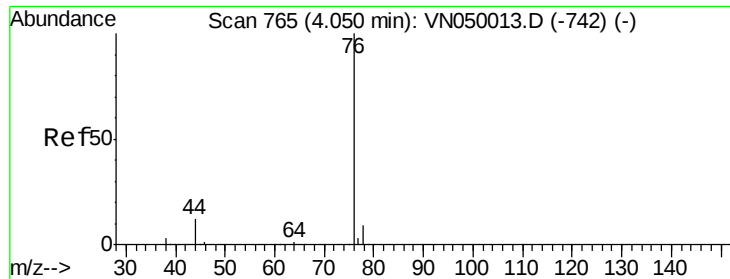
MMDadoda
 7/26/2018 1:50:52 PM



#16
 Acetone
 Concen: 231.18 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.8	38.8





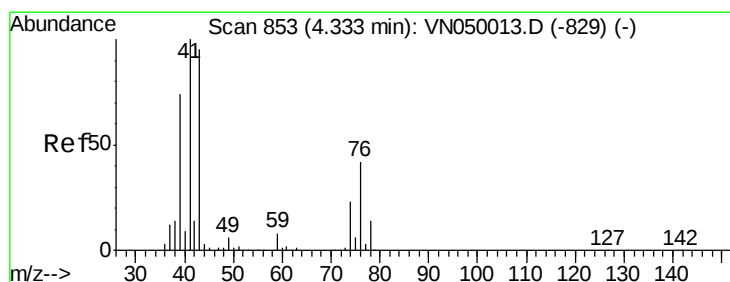
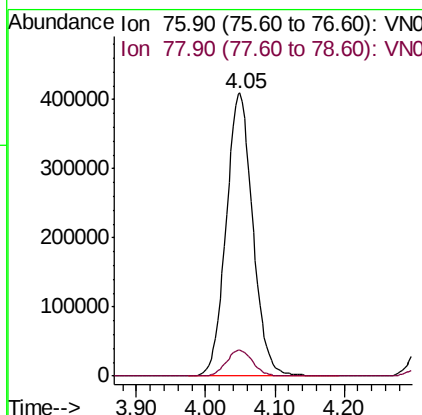
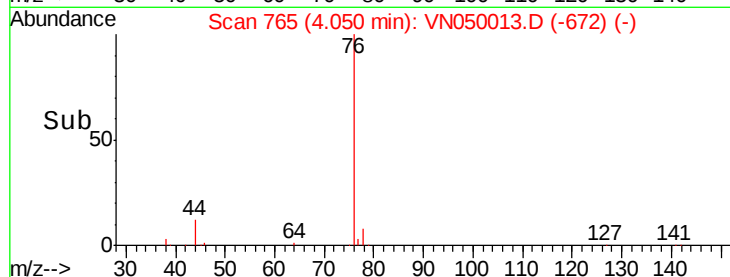
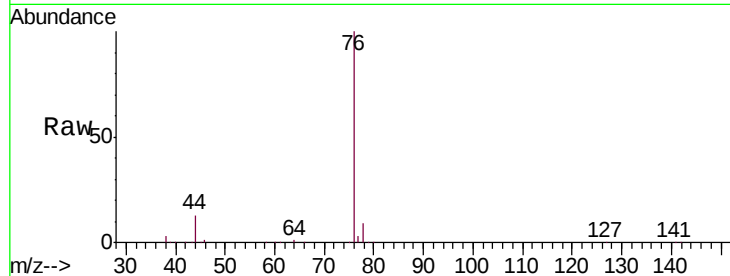
#17
Carbon Disulfide
Concen: 50.08 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1097577
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

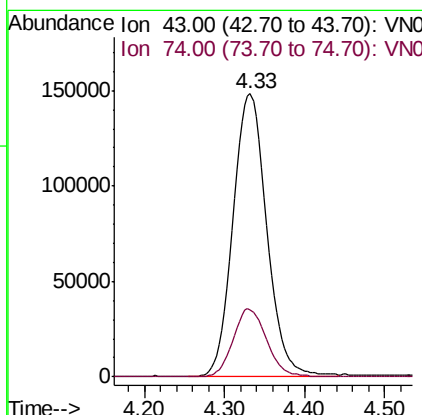
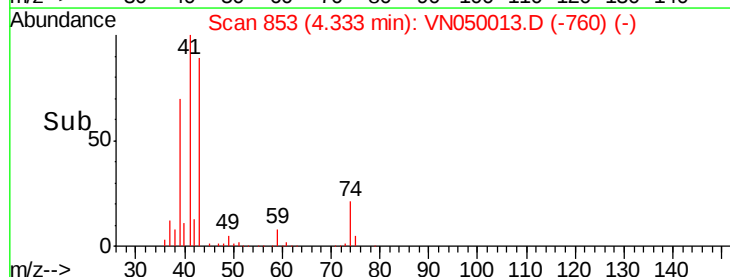
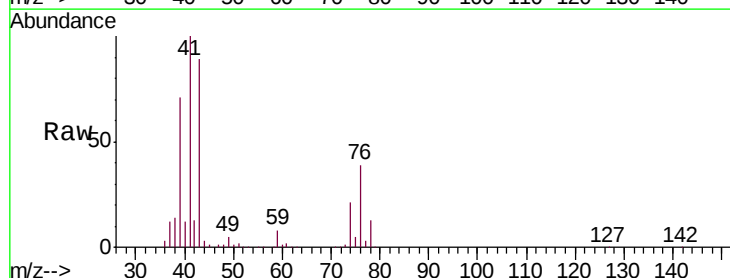
Manual Integrations
APPROVED

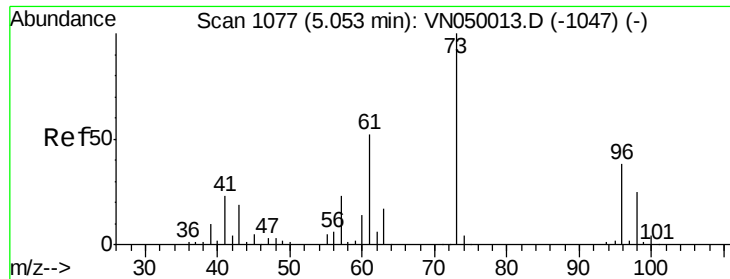
MMDadoda
7/26/2018 1:50:52 PM



#18
Methyl Acetate
Concen: 46.52 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 43 Resp: 422334
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





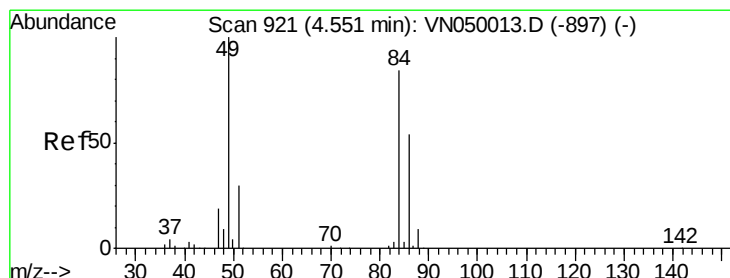
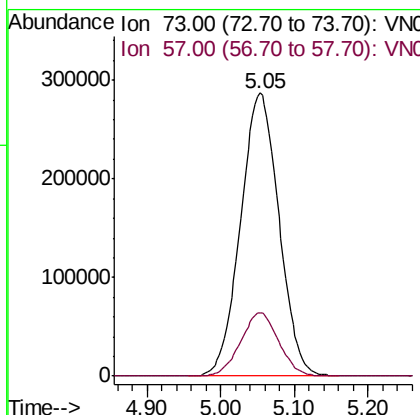
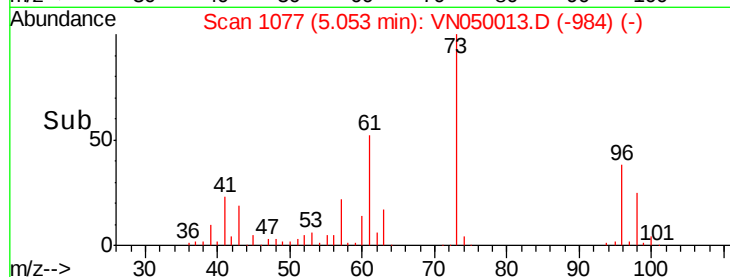
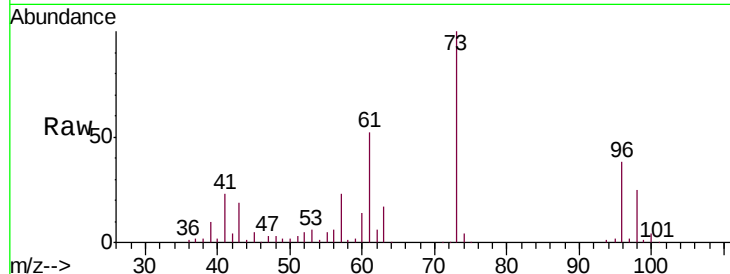
#19
Methyl tert-butyl Ether
Concen: 52.38 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1040870
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

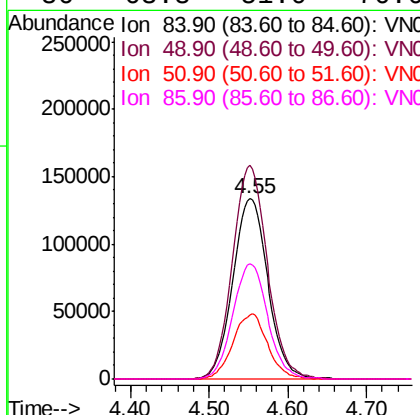
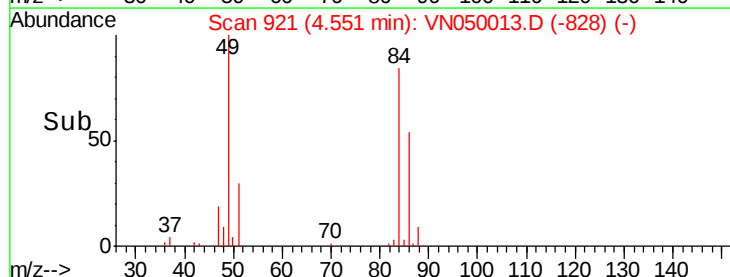
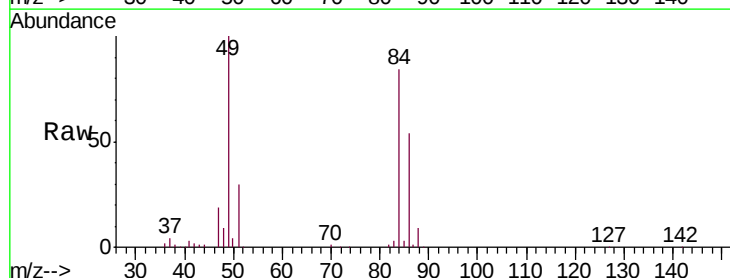
Manual Integrations
APPROVED

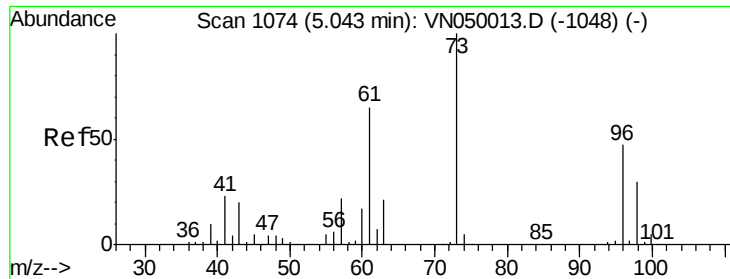
MMDadoda
7/26/2018 1:50:52 PM



#20
Methylene Chloride
Concen: 46.12 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 84 Resp: 416174
Ion Ratio Lower Upper
84 100
49 118.5 94.8 142.2
51 35.4 28.3 42.5
86 63.8 51.0 76.6





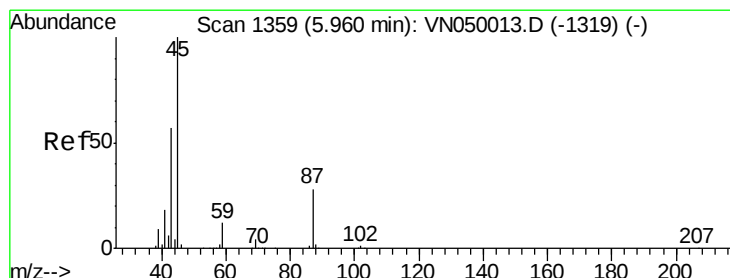
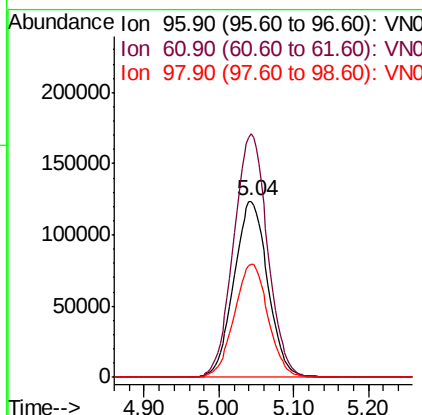
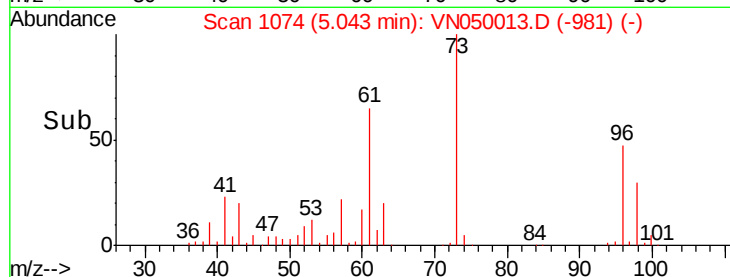
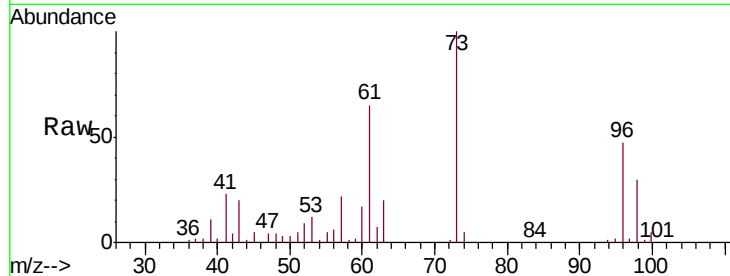
#21
trans-1,2-Dichloroethene
Concen: 50.55 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	110.7	166.1
98	64.5	51.6	77.4

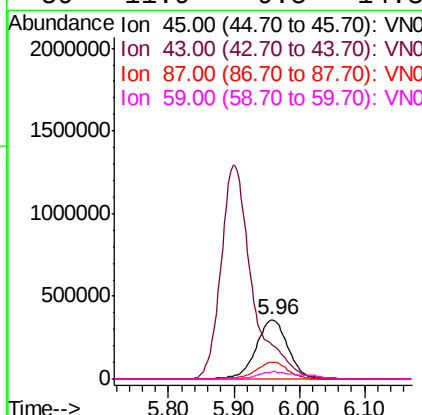
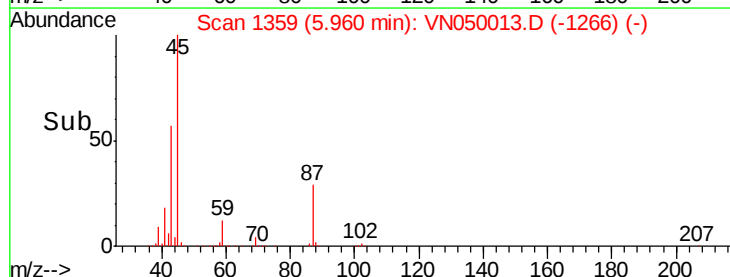
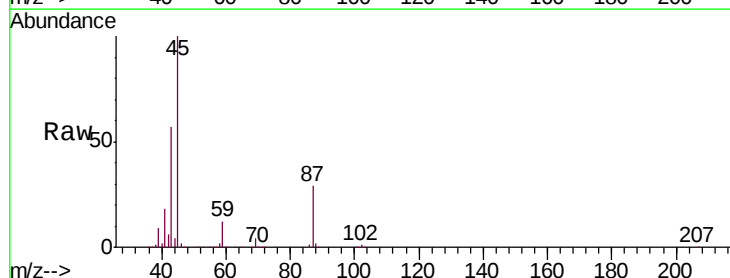
Manual Integrations
APPROVED

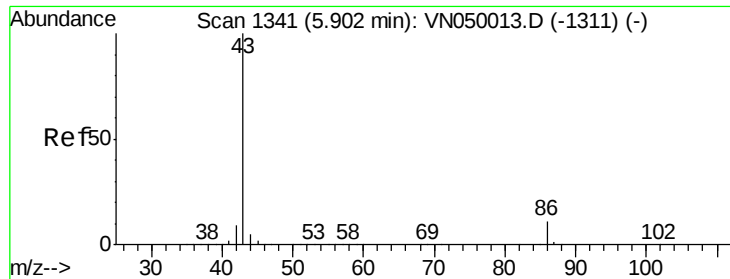
MMDadoda
7/26/2018 1:50:52 PM



#22
Diisopropyl ether
Concen: 52.52 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.7	68.5
87	28.4	22.7	34.1
59	11.9	9.5	14.3





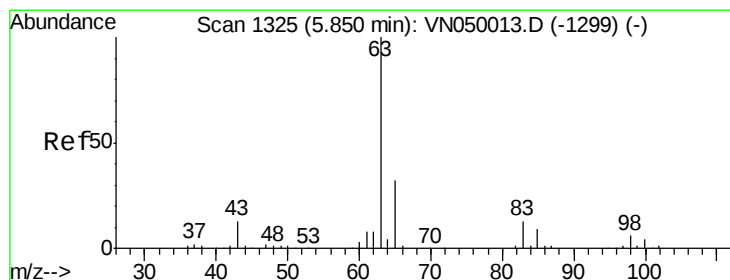
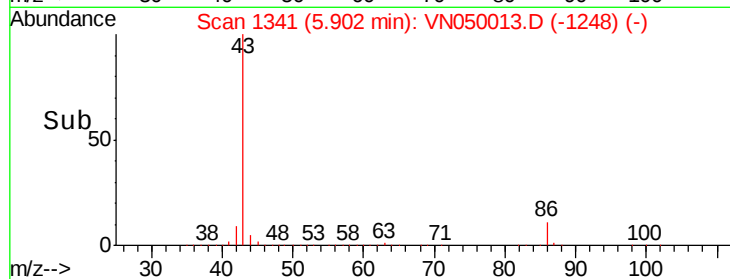
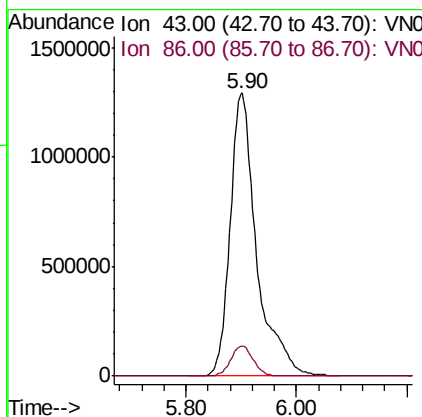
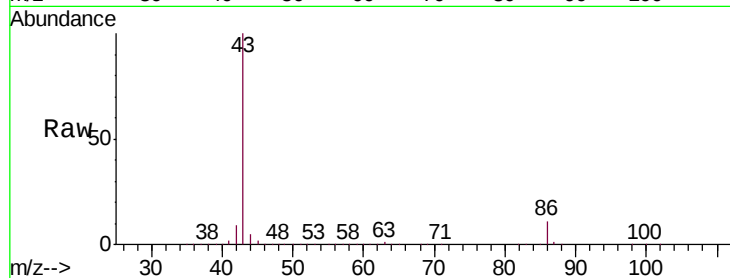
#23
 Vinyl Acetate
 Concen: 265.22 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 4306399
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

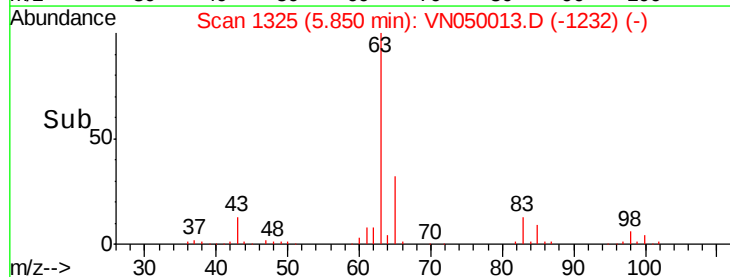
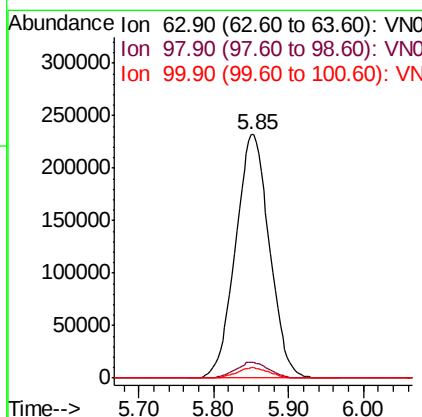
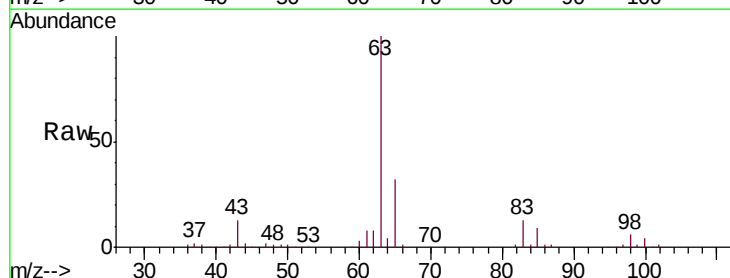
Manual Integrations
 APPROVED

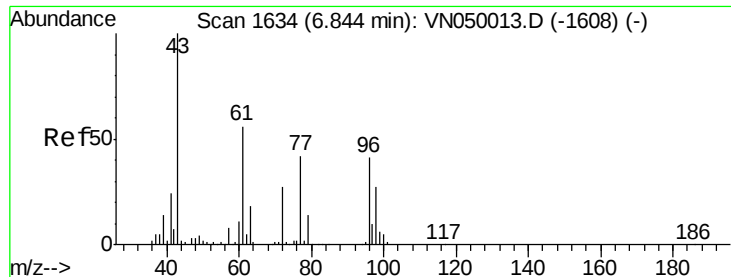
MMDadoda
 7/26/2018 1:50:52 PM



#24
 1,1-Dichloroethane
 Concen: 48.86 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion: 63 Resp: 730396
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.2 2.1 6.3





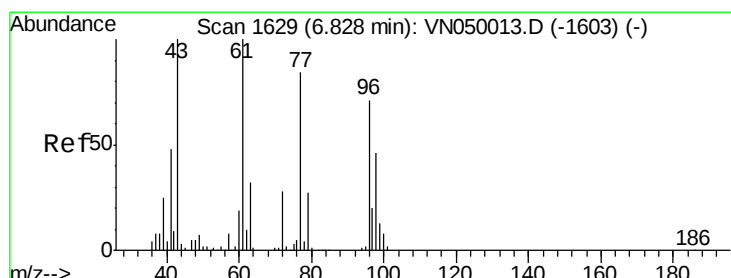
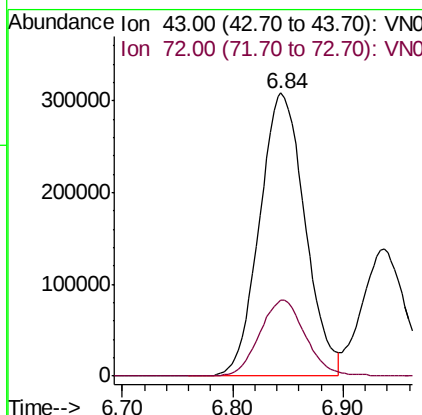
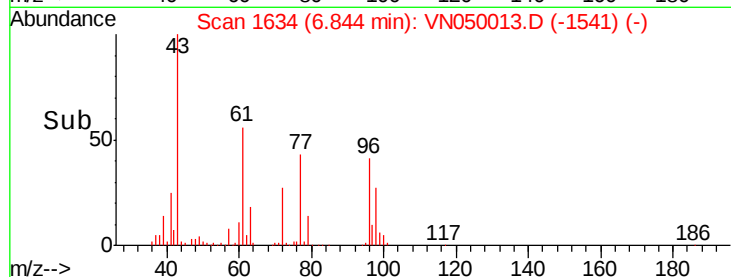
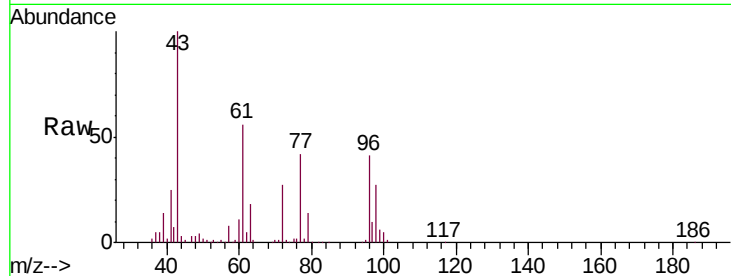
#25
2-Butanone
Concen: 258.72 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 876988
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3

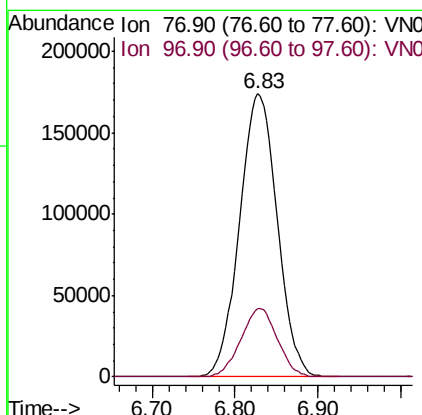
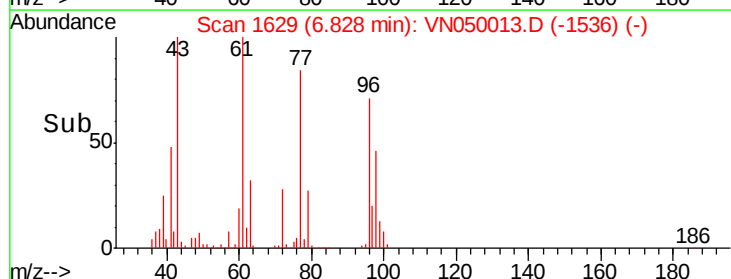
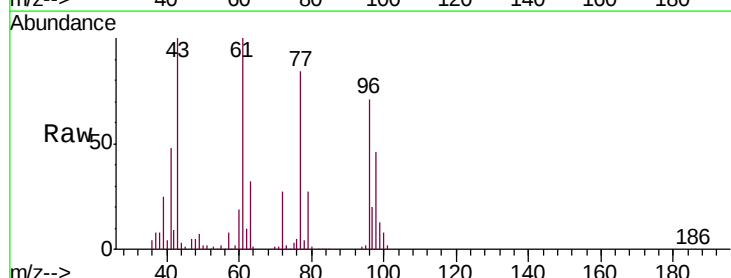
Manual Integrations
APPROVED

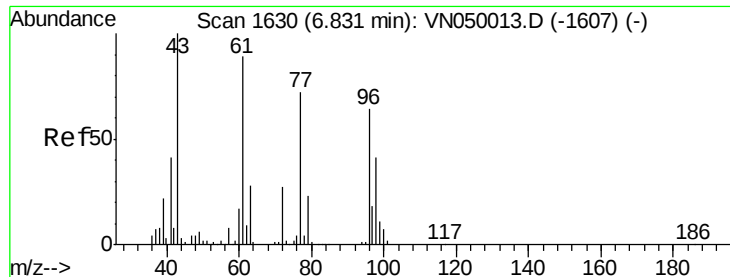
MMDadoda
7/26/2018 1:50:52 PM



#26
2,2-Dichloropropane
Concen: 47.44 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 77 Resp: 549719
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





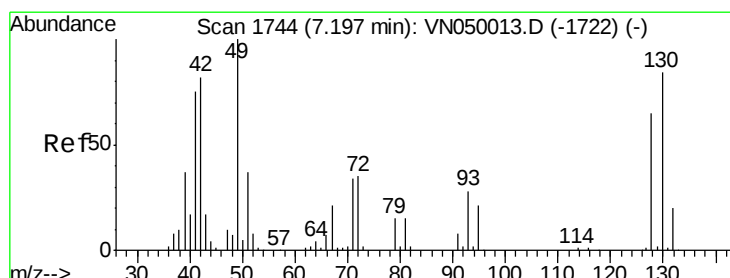
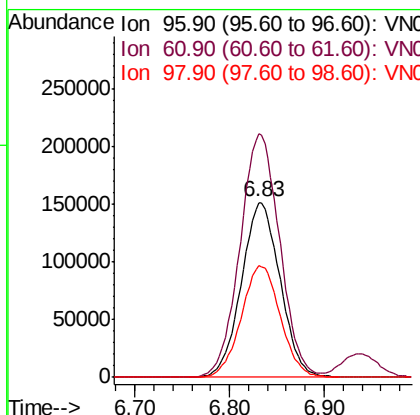
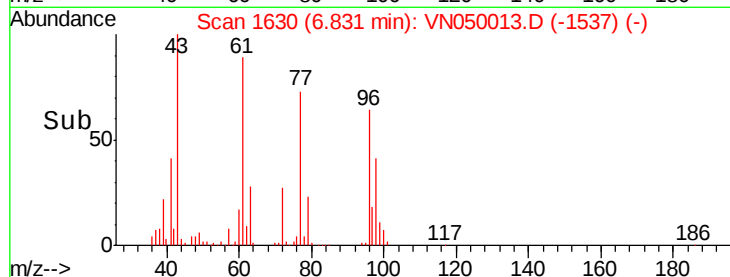
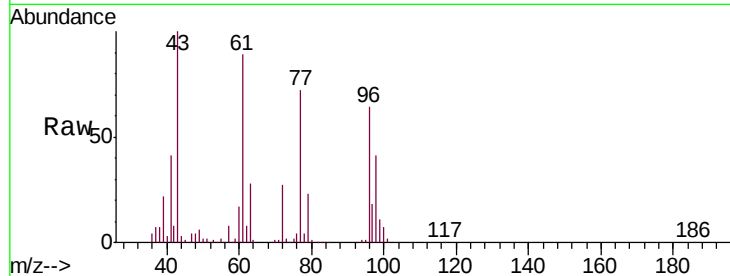
#27
 cis-1,2-Dichloroethene
 Concen: 51.35 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.5	0.0	285.0	
98	64.6	0.0	129.2	

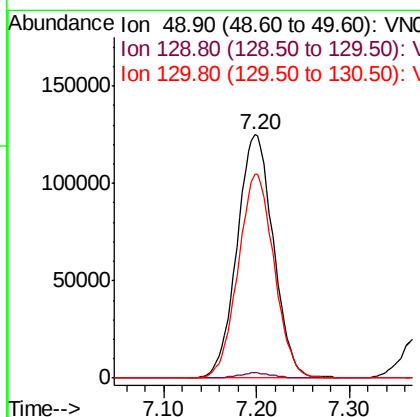
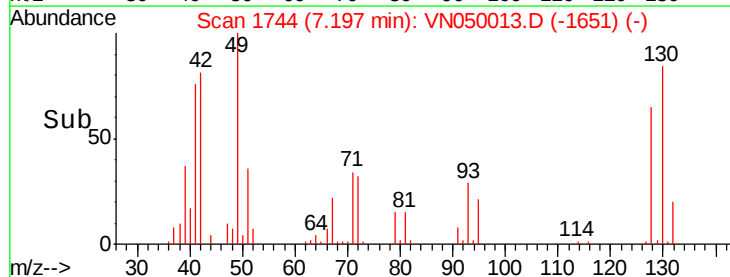
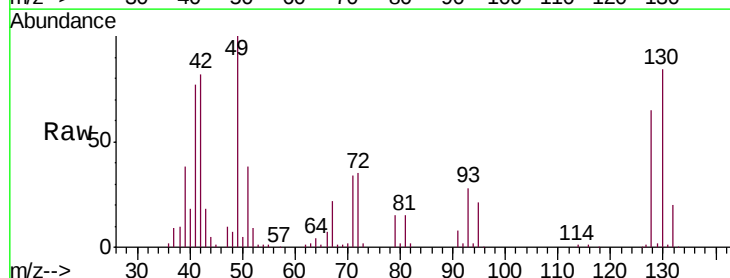
Manual Integrations
 APPROVED

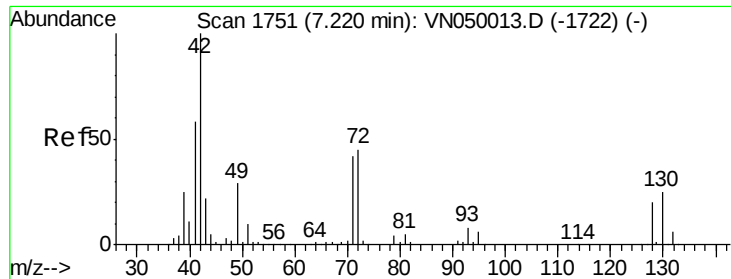
MMDadoda
 7/26/2018 1:50:52 PM



#28
 Bromochloromethane
 Concen: 50.82 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	82.9	66.3	99.5	





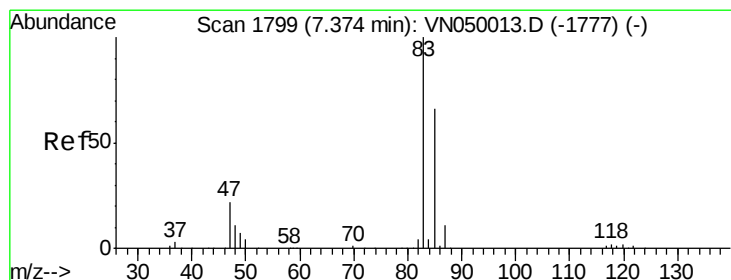
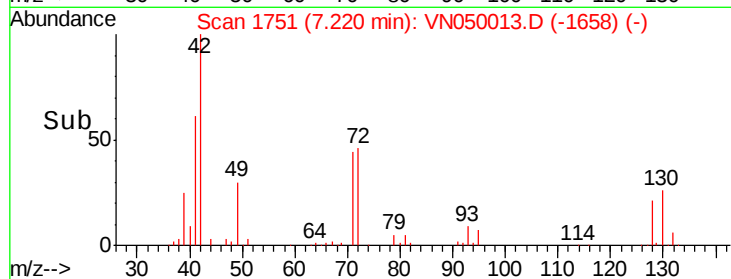
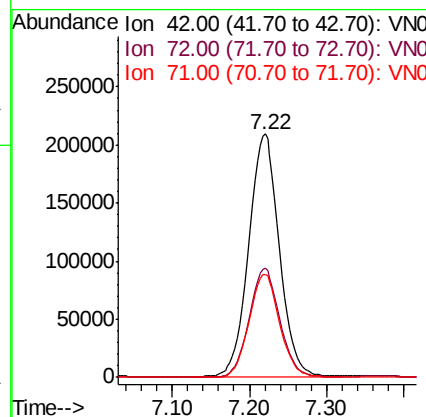
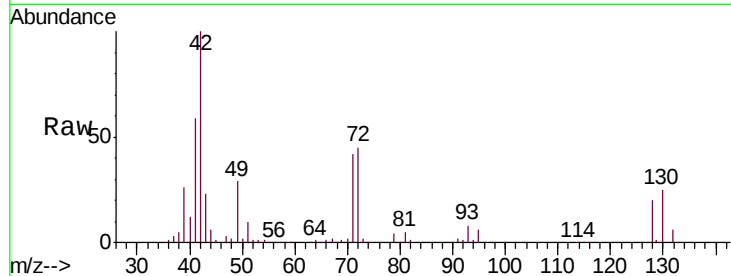
#29
Tetrahydrofuran
Concen: 272.02 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.1	33.7	50.5

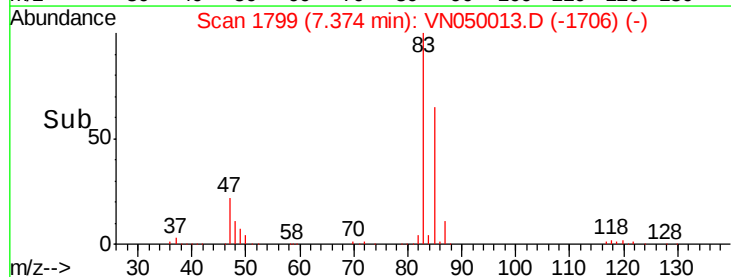
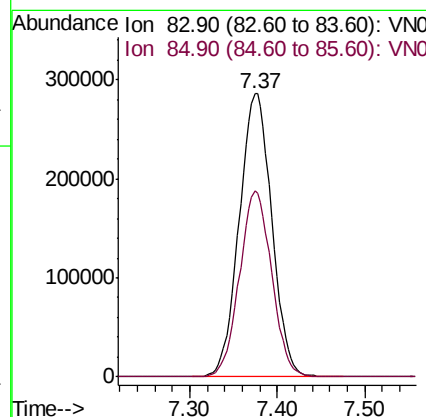
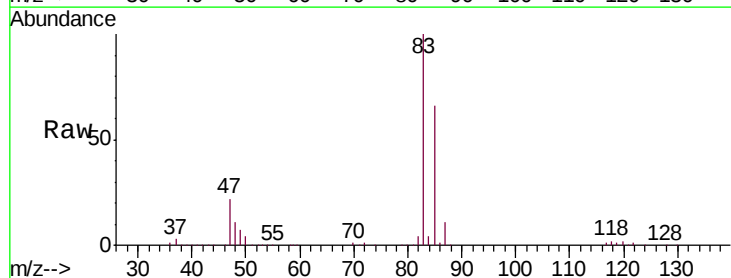
Manual Integrations
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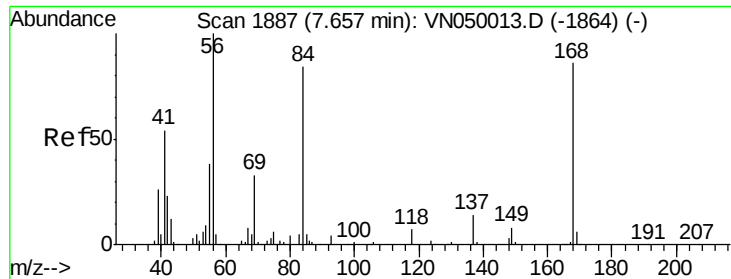
MMDadoda
7/26/2018 1:50:52 PM



#30
Chloroform
Concen: 48.33 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





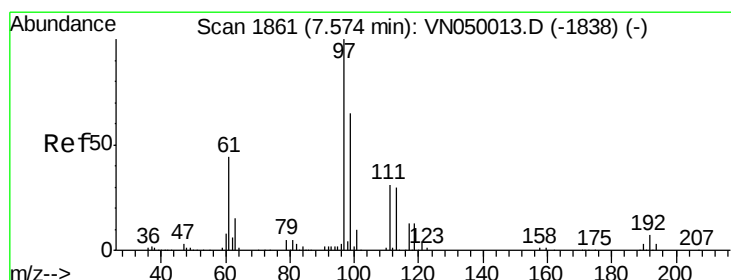
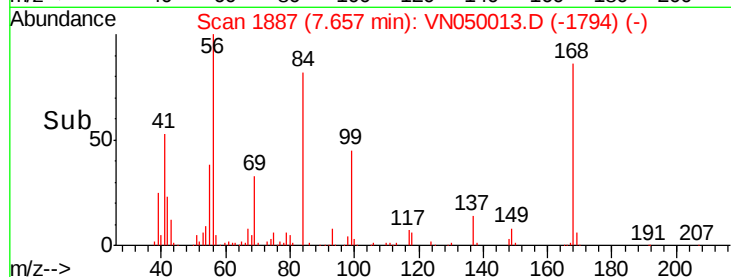
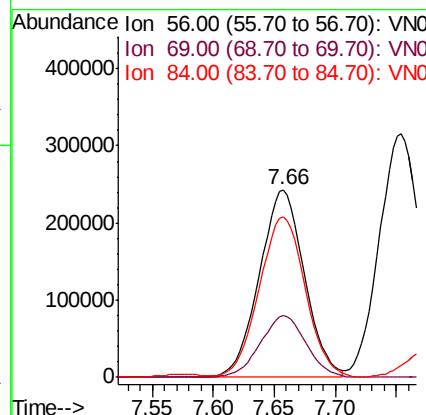
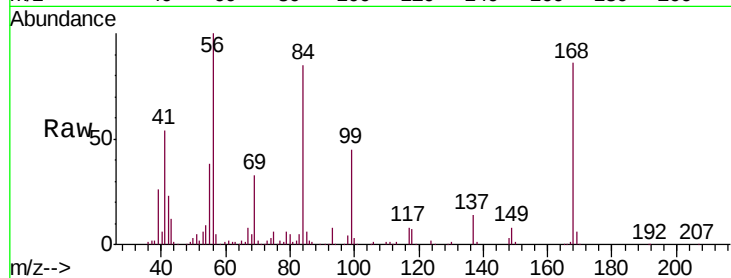
#31
Cyclohexane
Concen: 44.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	84.2	67.4	101.0

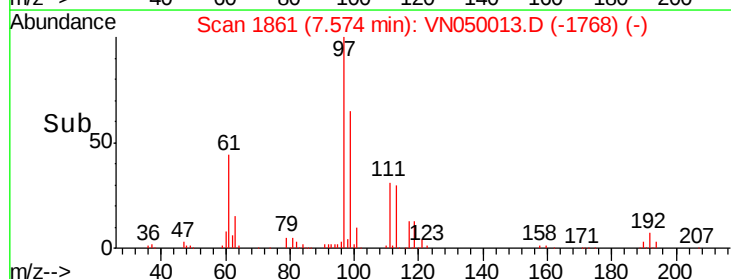
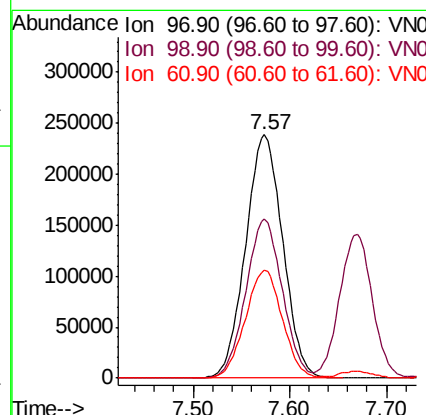
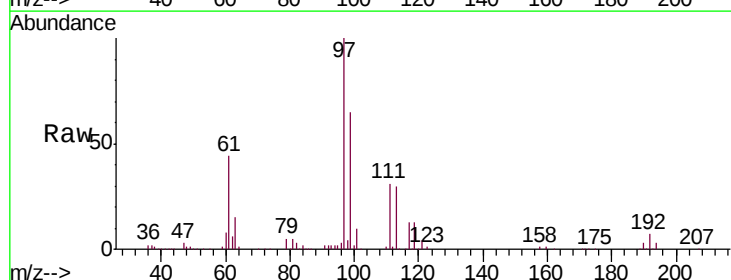
Manual Integrations
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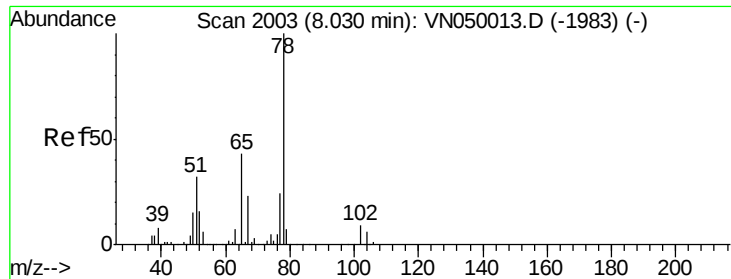
MMDadoda
7/26/2018 1:50:52 PM



#32
1,1,1-Trichloroethane
Concen: 48.13 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	44.2	35.4	53.0





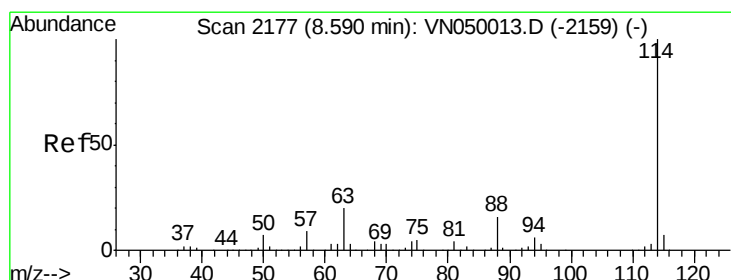
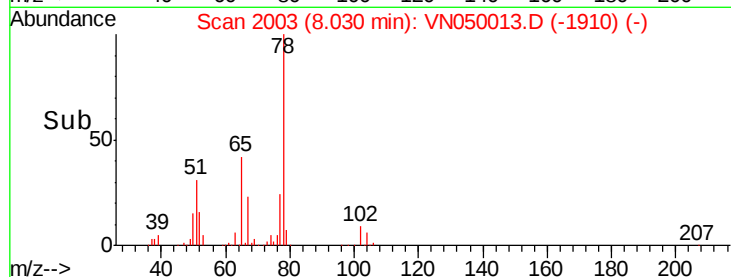
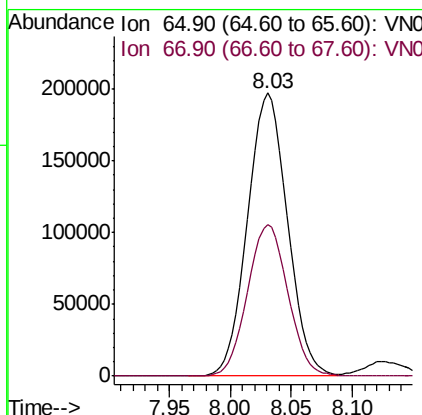
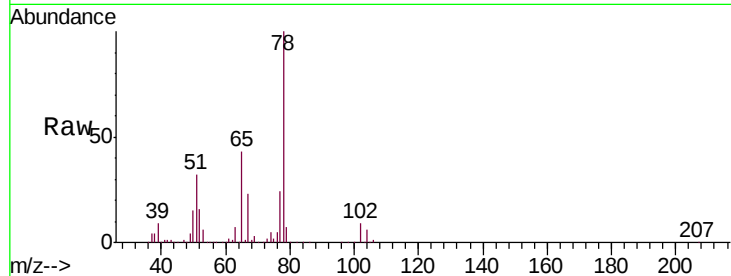
#33
 1,2-Dichloroethane-d4
 Concen: 49.21 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.4

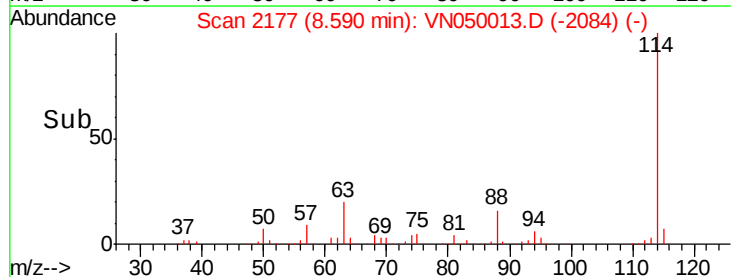
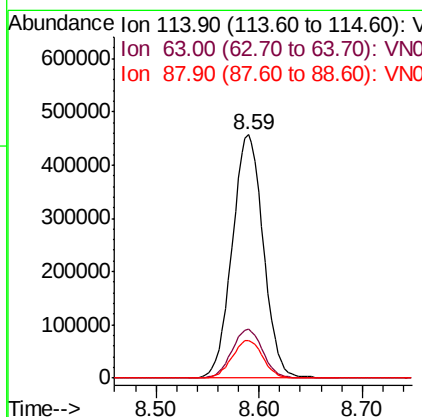
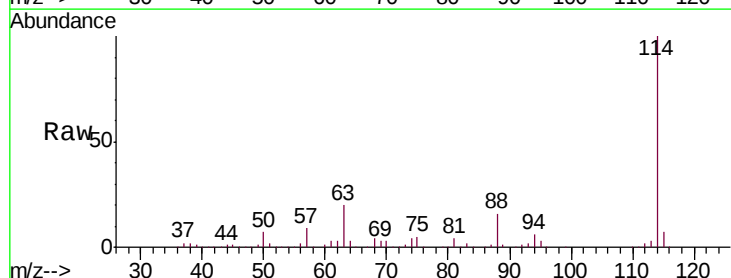
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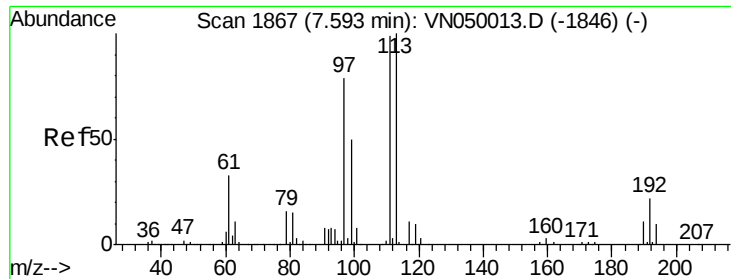
MMDadoda
 7/26/2018 1:50:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.6	0.0	31.2





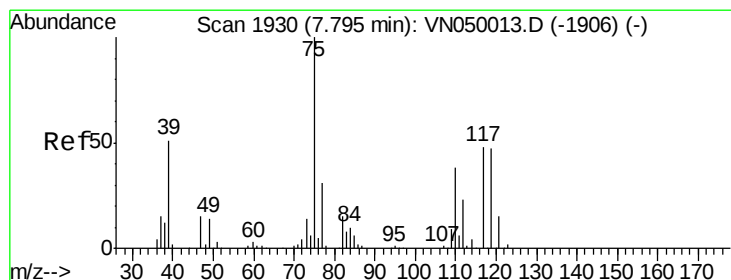
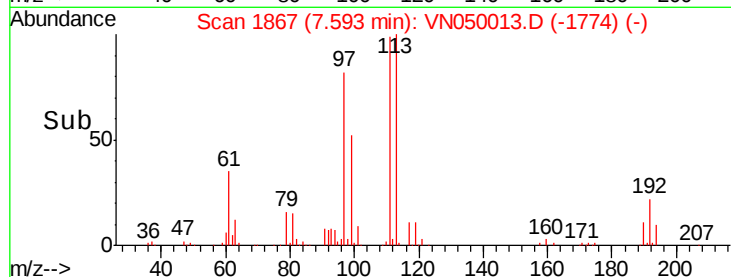
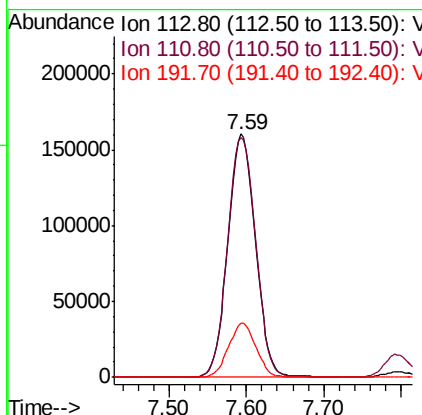
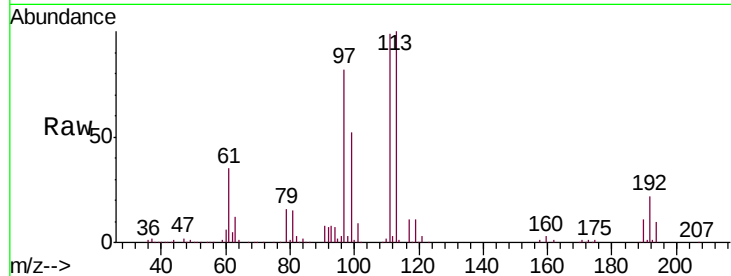
#35
 Dibromofluoromethane
 Concen: 49.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.7	121.1
192	22.2	17.8	26.6

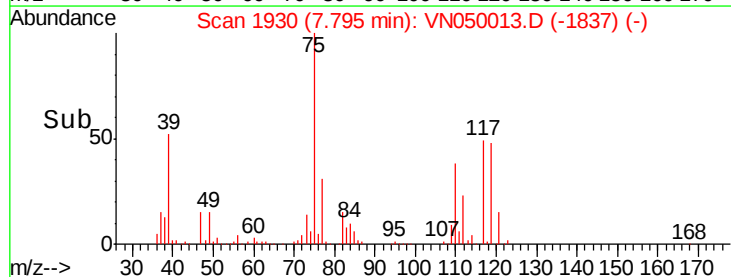
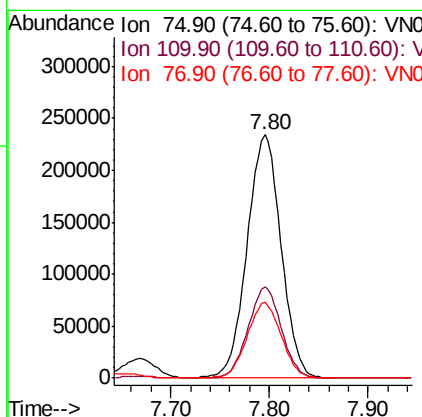
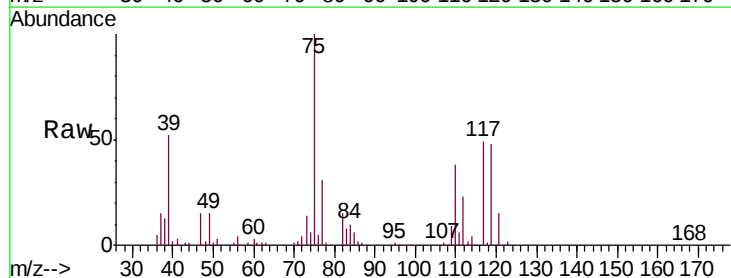
Manual Integrations
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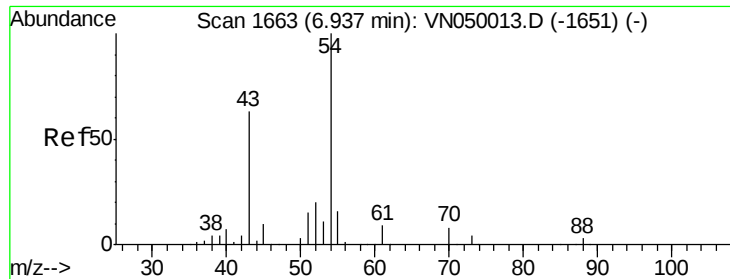
MMDadoda
 7/26/2018 1:50:52 PM



#36
 1,1-Dichloropropene
 Concen: 51.71 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.6	25.3	37.9





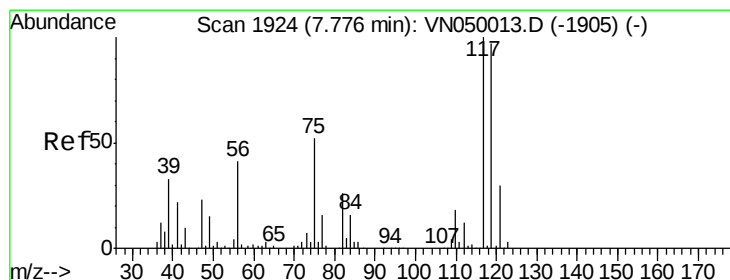
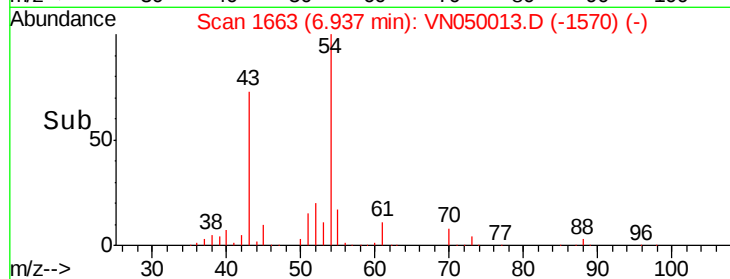
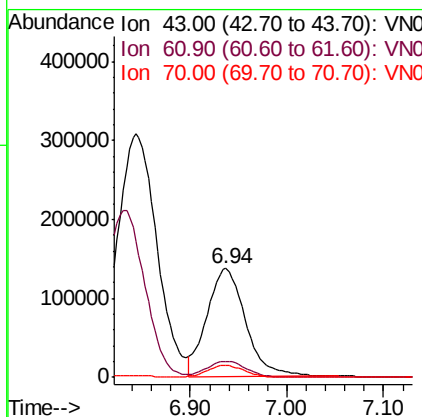
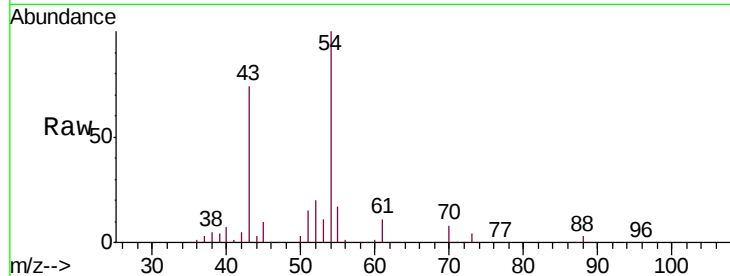
#37
Ethyl Acetate
Concen: 52.00 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70
Resp	381323		
Ratio	100	14.8	10.5
Lower		11.8	8.4
Upper		17.8	12.6

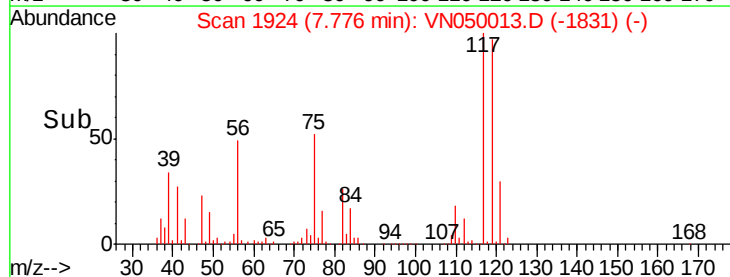
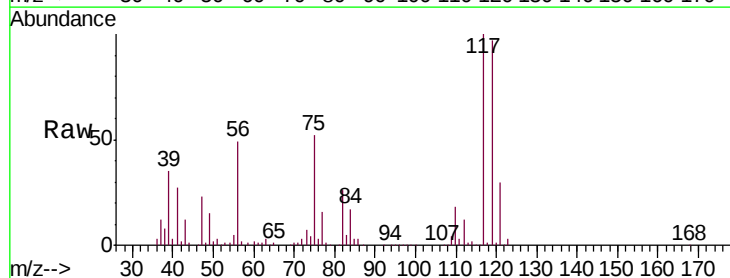
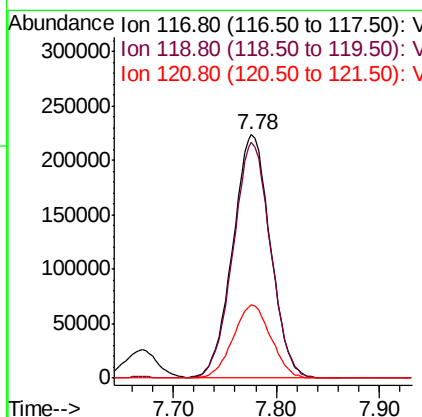
Manual Integrations
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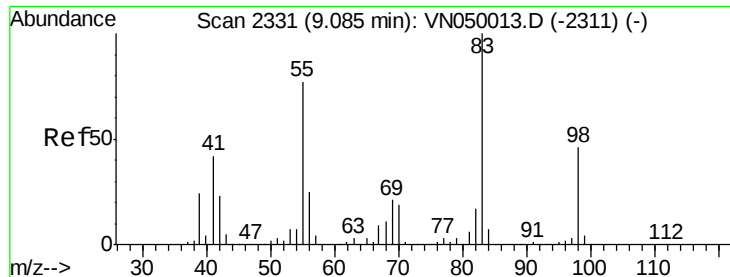
MMDadoda
7/26/2018 1:50:52 PM



#38
Carbon Tetrachloride
Concen: 49.29 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	117	119	121
Resp	566162		
Ratio	100	96.7	29.9
Lower		77.4	23.9
Upper		116.0	35.9





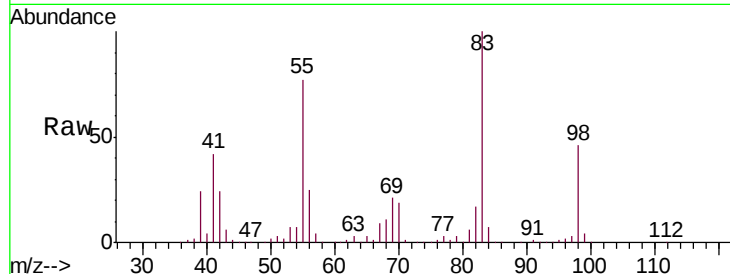
#39
Methvlcvclohexane
Concen: 52.36 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.8	92.8
98	45.6	36.5	54.7

Manual Integrations
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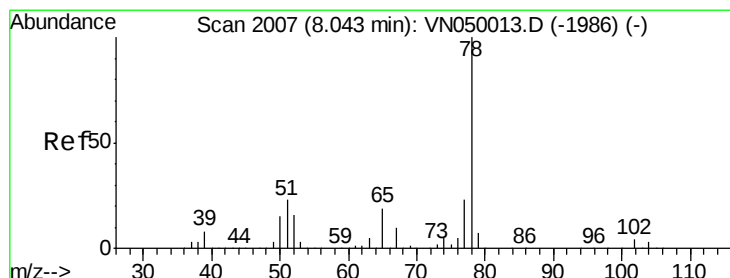
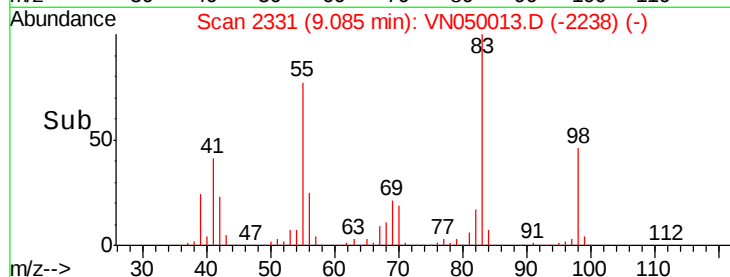
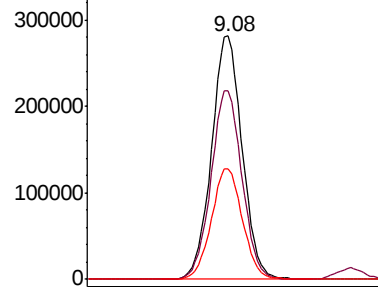


Abundance

Ion 83.00 (82.70 to 83.70): VN0

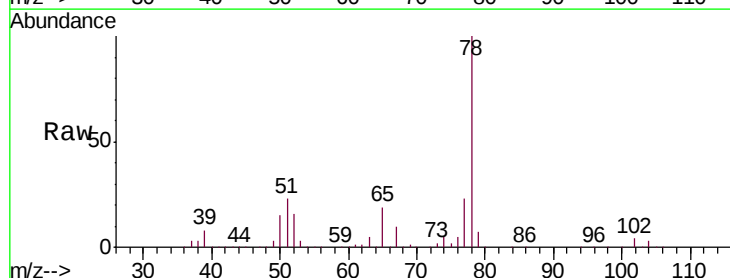
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 51.15 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

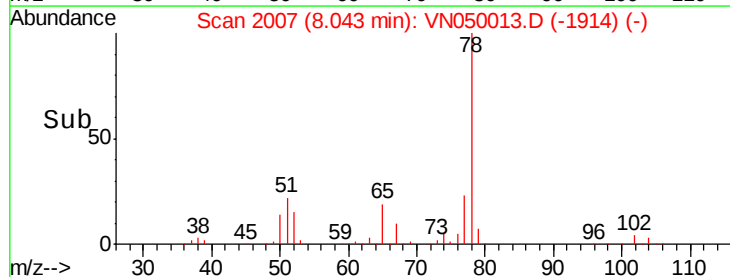
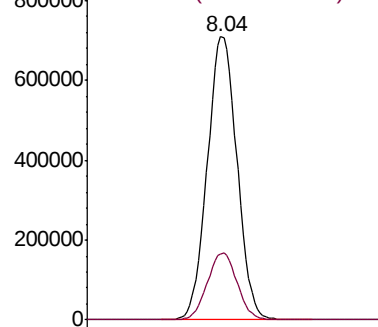
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

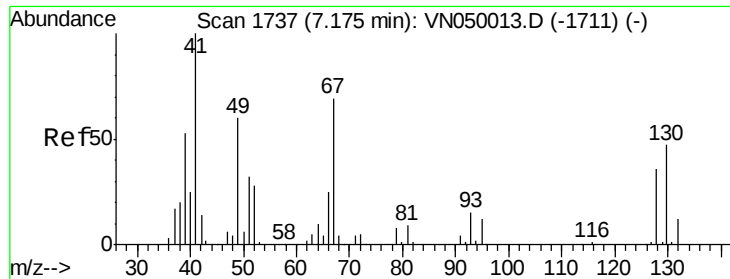


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





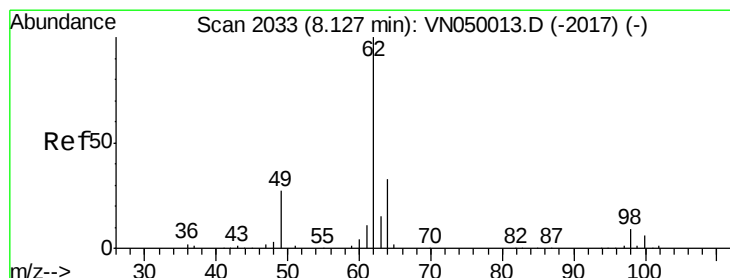
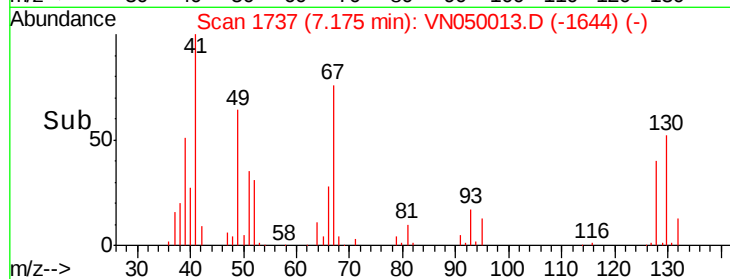
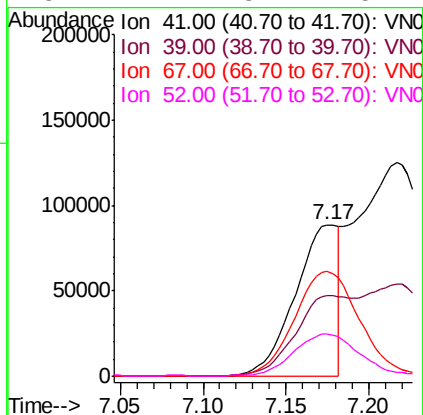
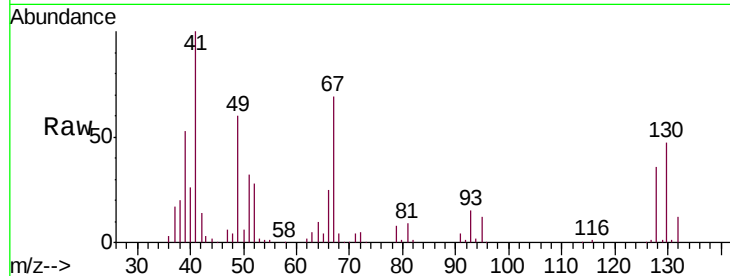
#41
Methacrylonitrile
Concen: 44.47 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	55.8	83.6
67	105.4	84.3	126.5
52	42.7	34.2	51.2

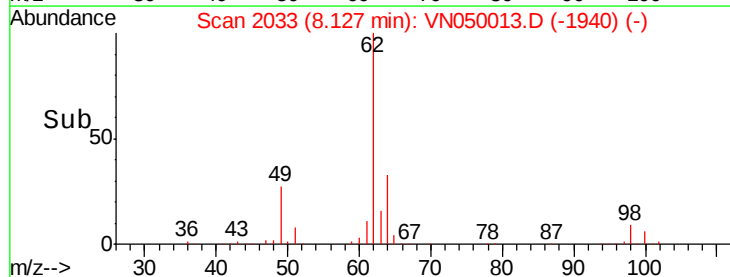
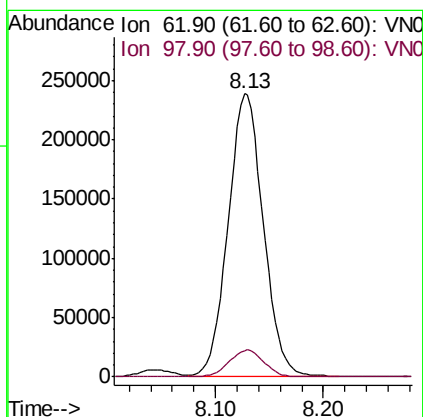
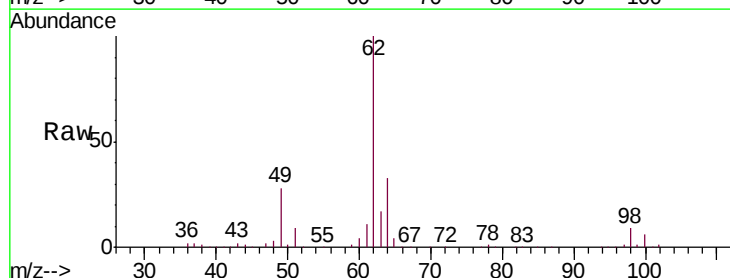
Manual Integrations
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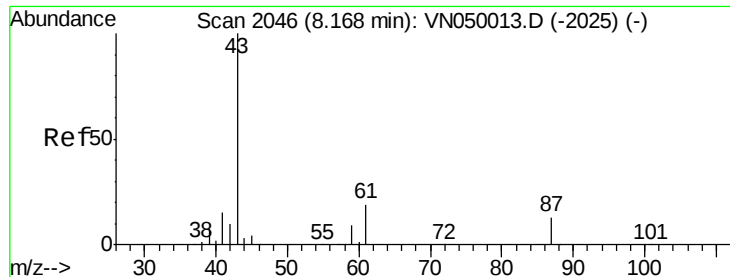
MMDadoda
7/26/2018 1:50:52 PM



#42
1,2-Dichloroethane
Concen: 49.97 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 54.27 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

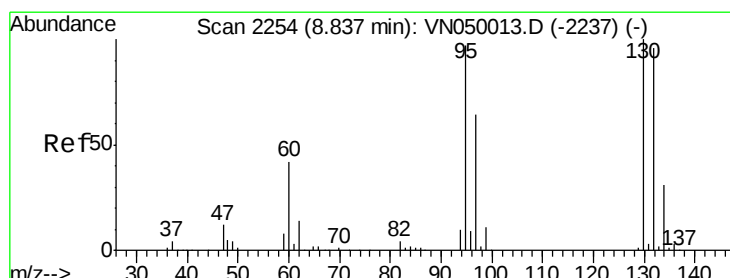
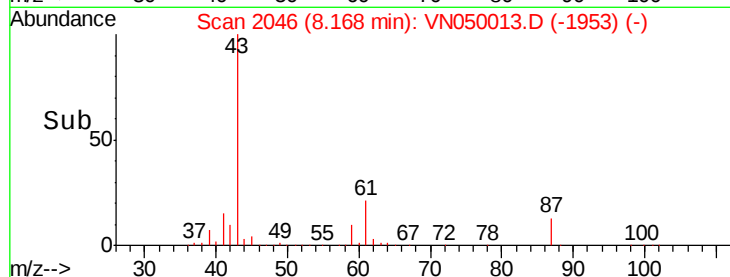
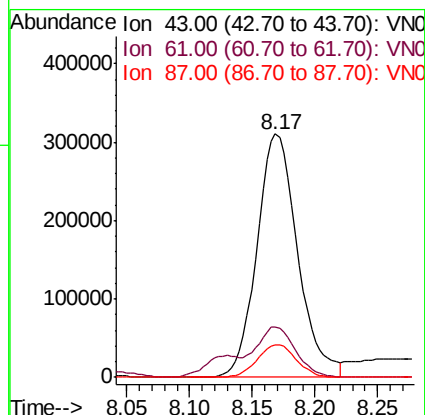
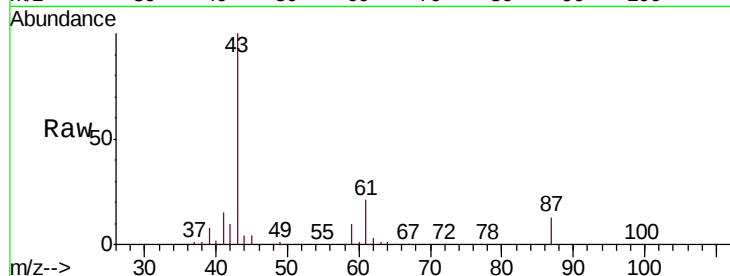
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	700499
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.6
87	12.9	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 50.20 ug/l

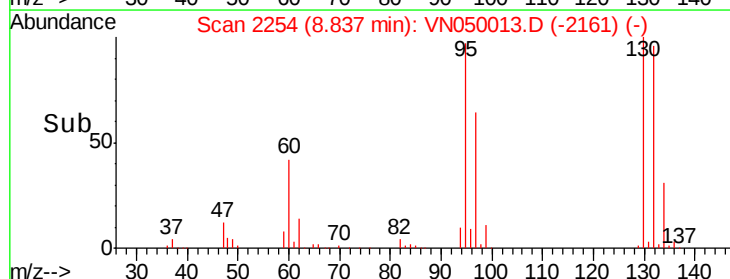
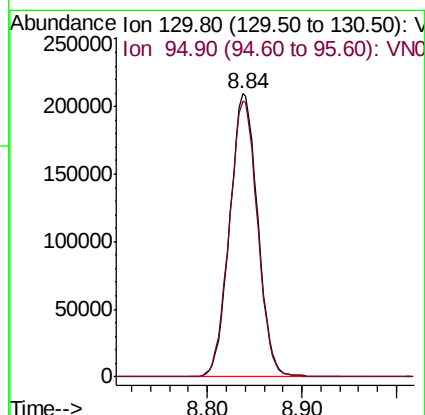
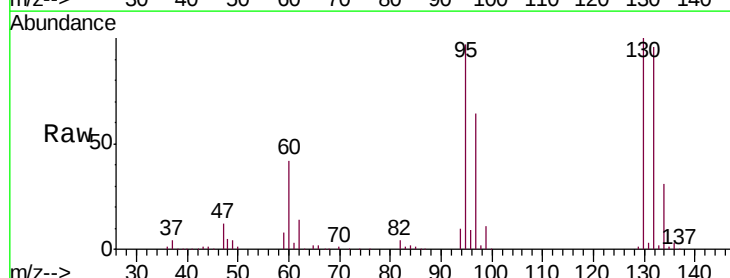
RT: 8.84 min Scan# 2254

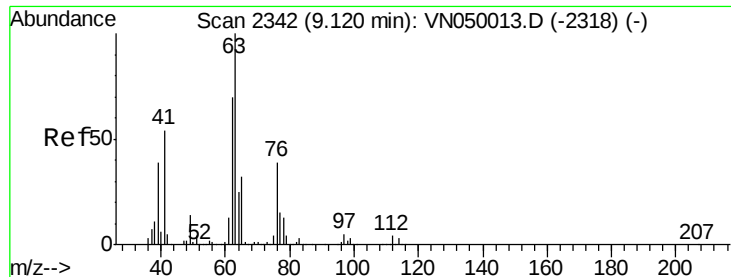
Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Tgt Ion:	130	Resp:	430307
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	194.6





#45

1,2-Dichloropropane

Concen: 49.56 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 435790

Ion Ratio Lower Upper

63 100

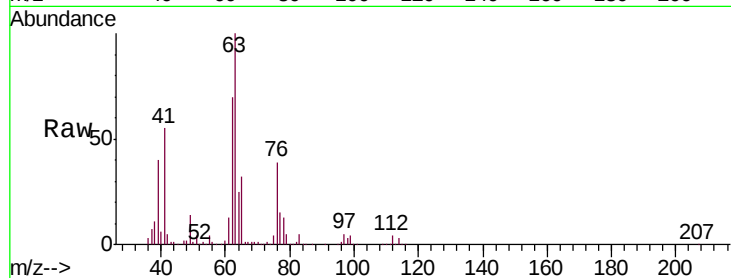
65 31.9 25.5 38.3

Manual Integrations

APPROVED

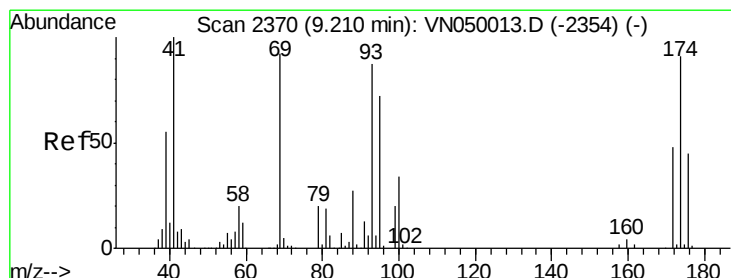
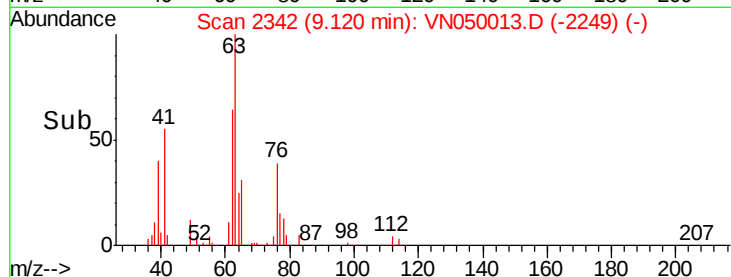
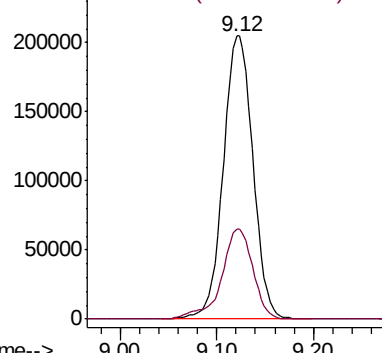
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.17 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

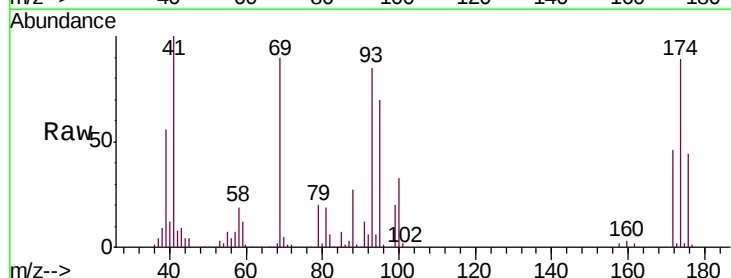
Tgt Ion: 93 Resp: 273752

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

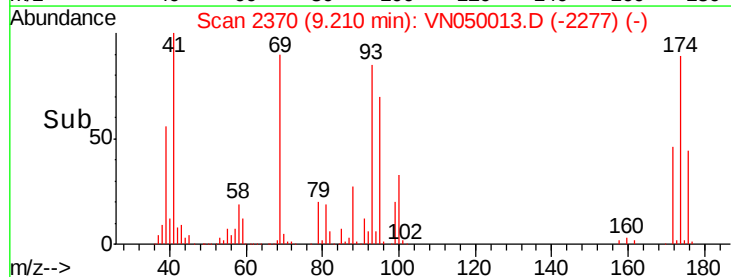
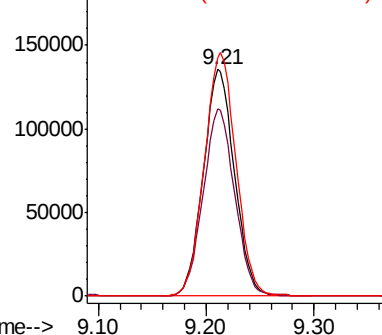
174 108.9 87.1 130.7

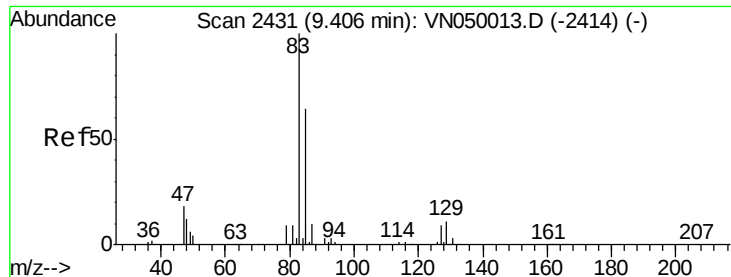


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





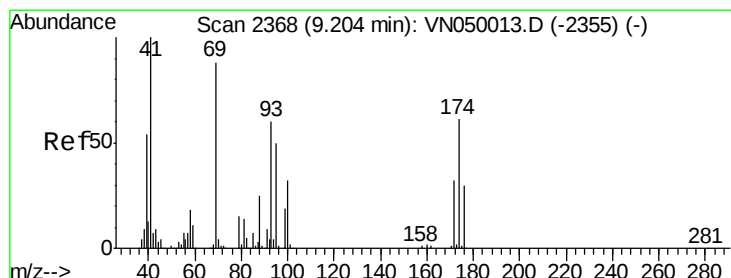
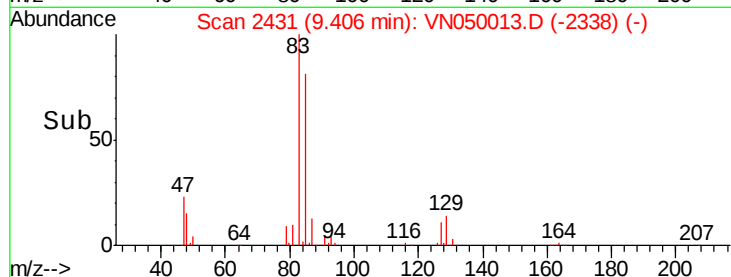
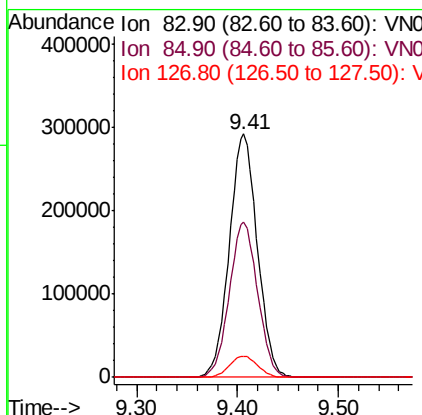
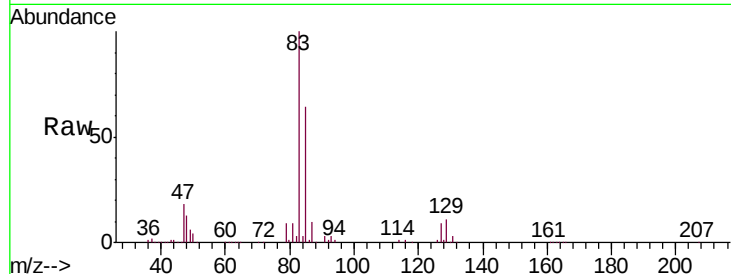
#47
Bromodichloromethane
Concen: 50.10 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	564727
Ion Ratio	100		
85	63.9	51.1	76.7
127	8.7	7.0	10.4

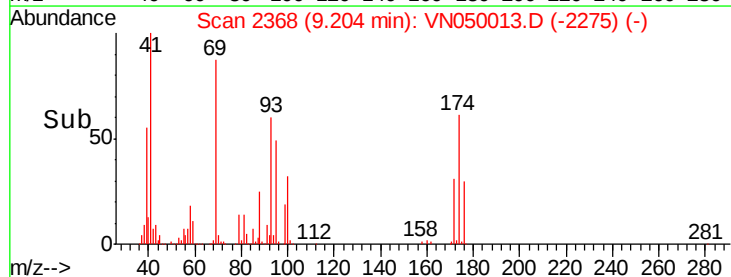
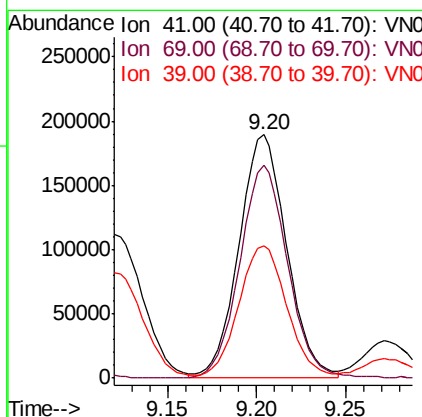
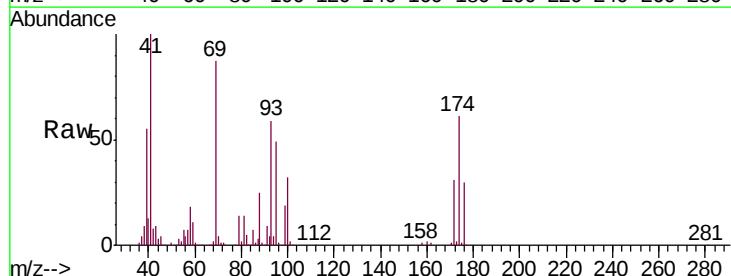
Manual Integrations
APPROVED

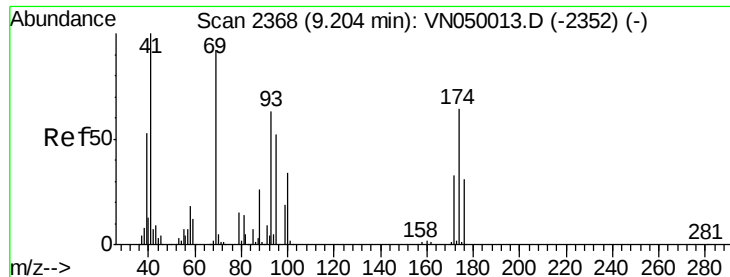
MMDadoda
7/26/2018 1:50:52 PM



#48
Methyl methacrylate
Concen: 54.63 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	41	Resp	353825
Ion Ratio	100		
69	88.2	70.6	105.8
39	54.9	43.9	65.9





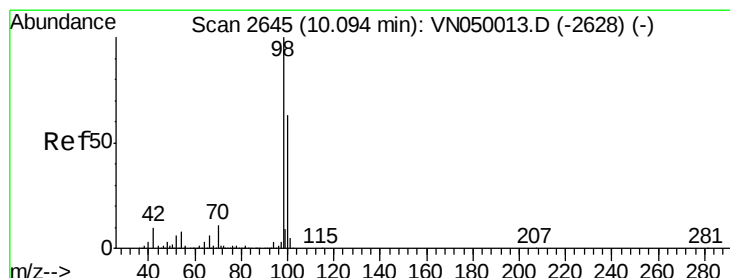
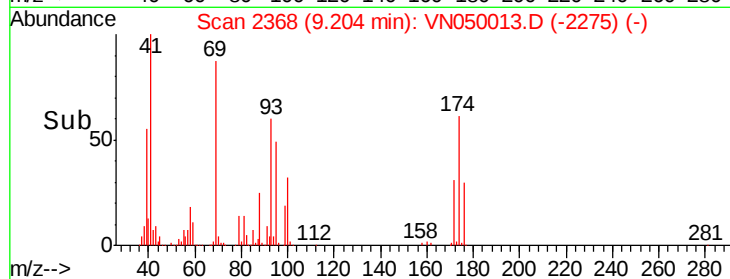
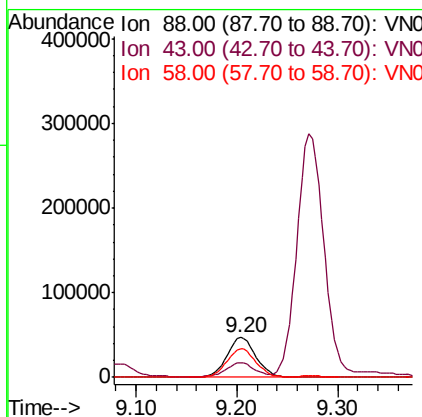
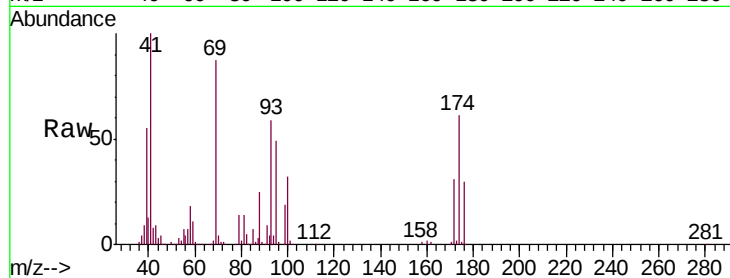
#49
1,4-Dioxane
Concen: 1053.22 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.9	40.3
58	71.6	57.3	85.9

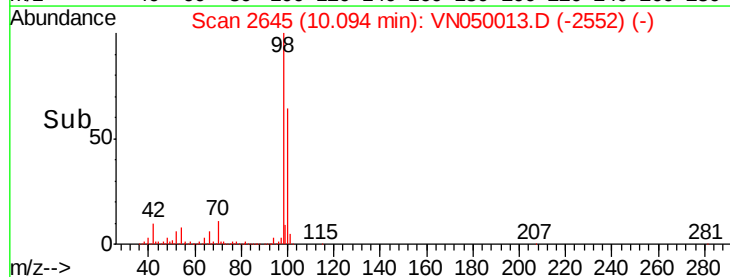
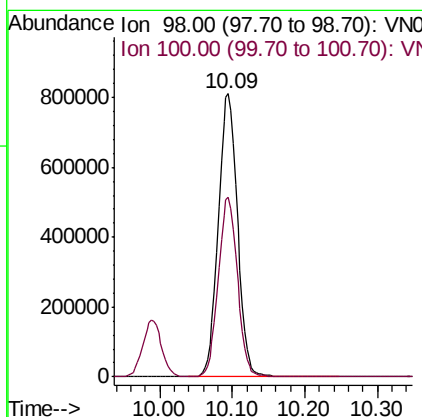
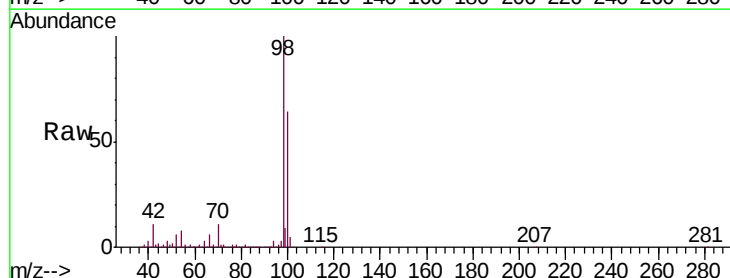
Manual Integrations
APPROVED

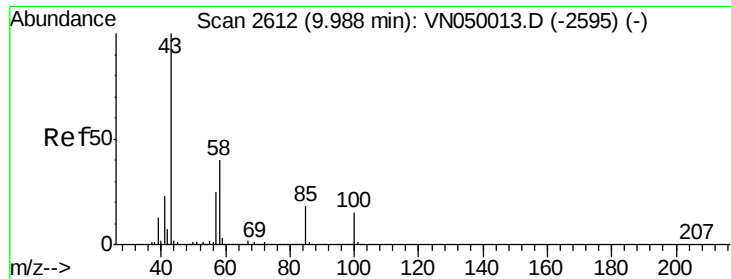
MMDadoda
7/26/2018 1:50:52 PM



#50
Toluene-d8
Concen: 50.63 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 277.72 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1994564

Ion Ratio Lower Upper

43 100

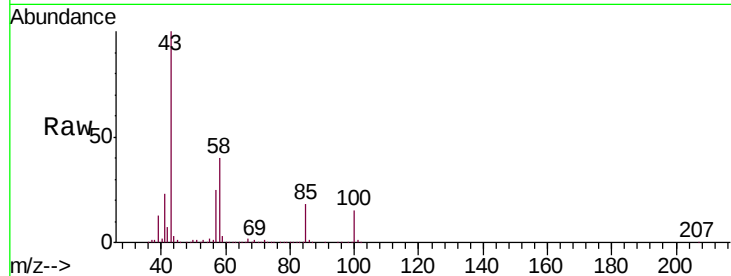
58 39.9 31.9 47.9

Manual Integrations

APPROVED

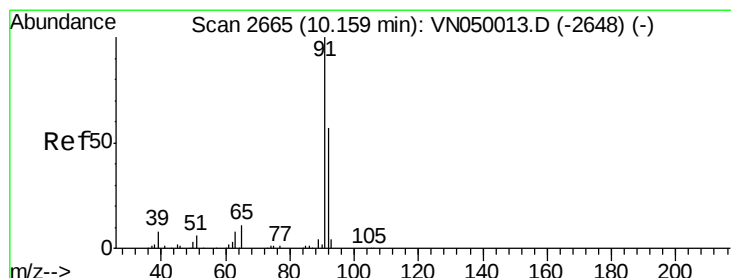
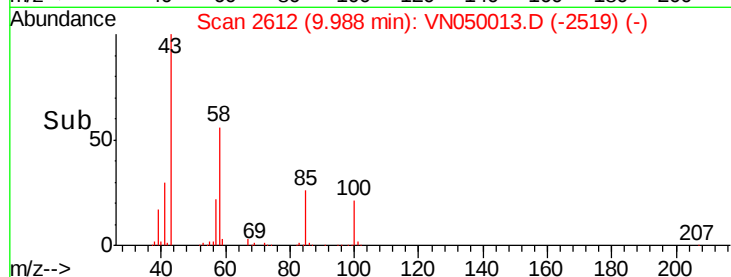
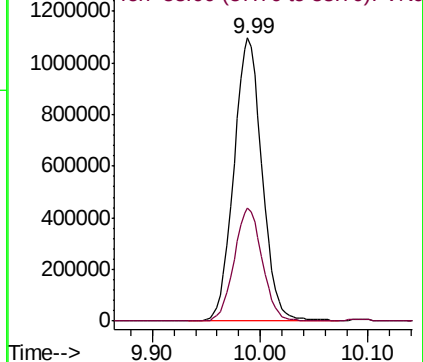
MMDadoda

7/26/2018 1:50:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.27 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050013.D

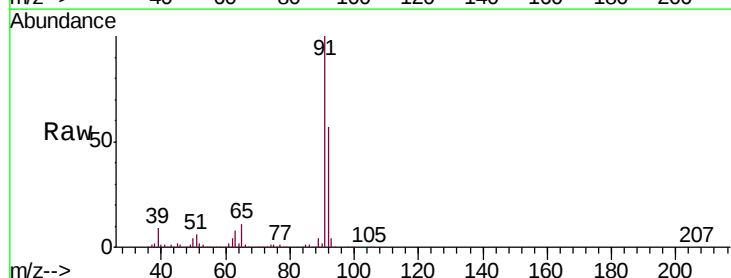
Acq: 23 Jul 2018 18:47

Tgt Ion: 92 Resp: 1036770

Ion Ratio Lower Upper

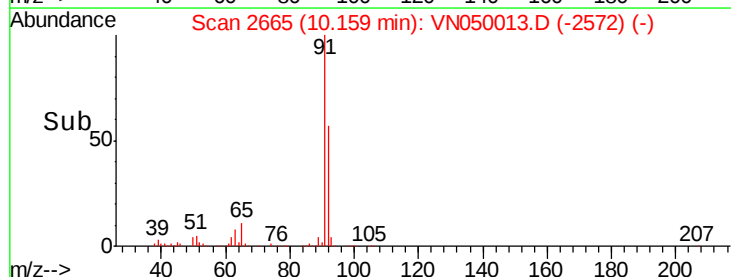
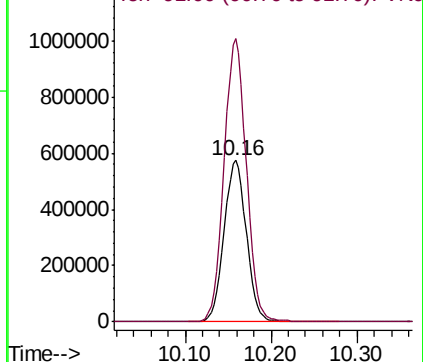
92 100

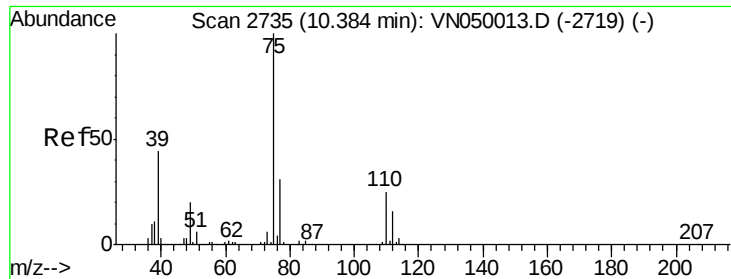
91 175.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





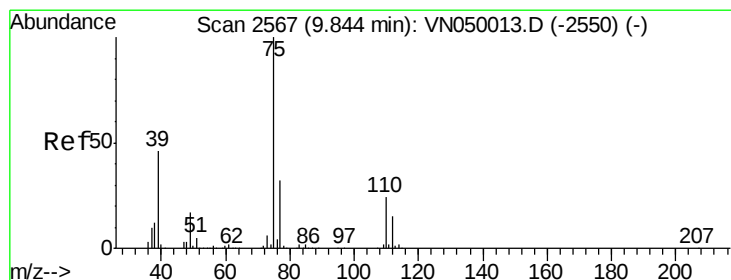
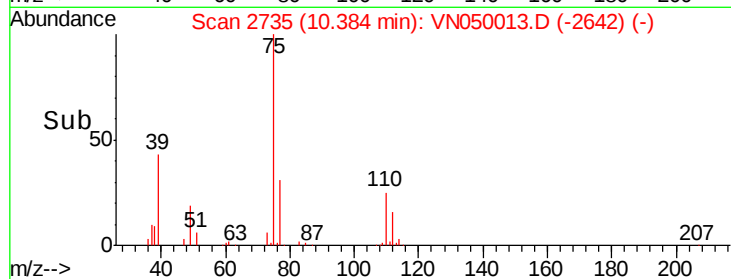
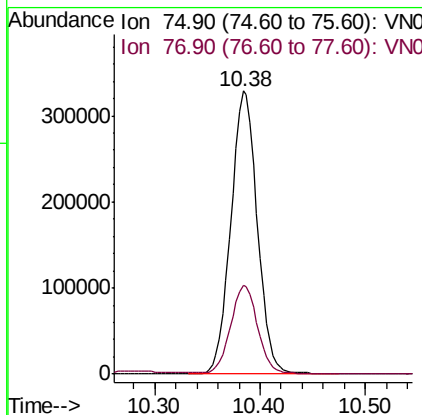
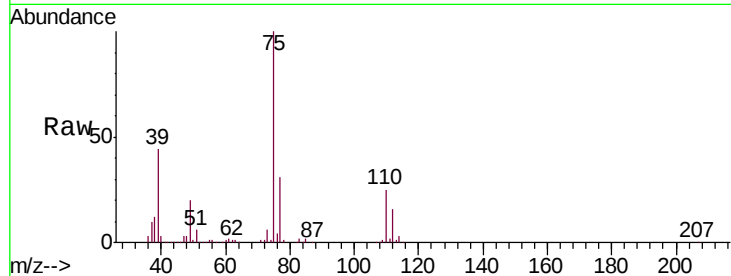
#53
t-1,3-Dichloropropene
Concen: 51.38 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

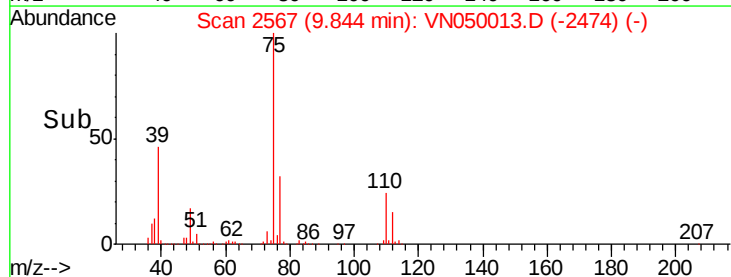
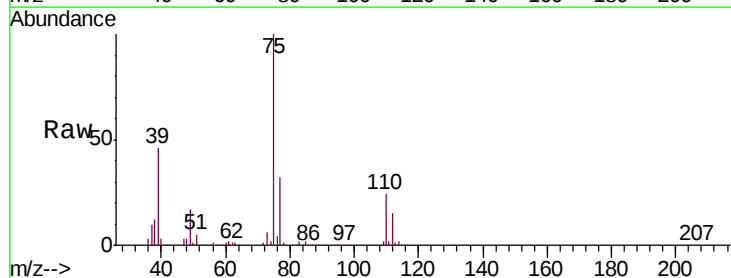
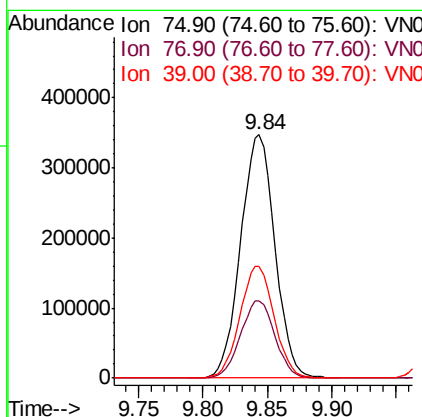
Manual Integrations
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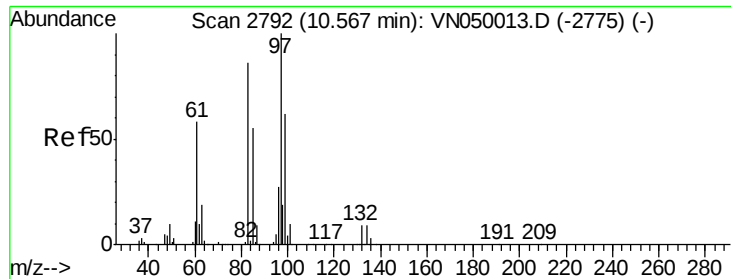
MMDadoda
7/26/2018 1:50:52 PM



#54
cis-1,3-Dichloropropene
Concen: 52.23 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	45.8	36.6	55.0





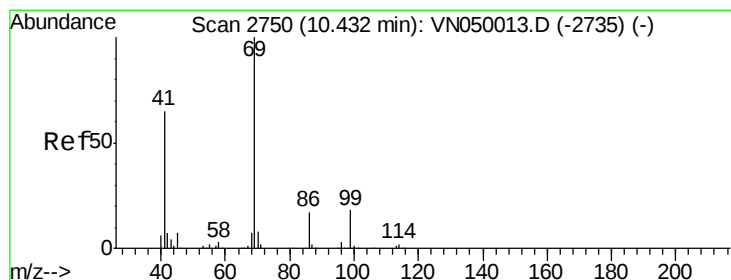
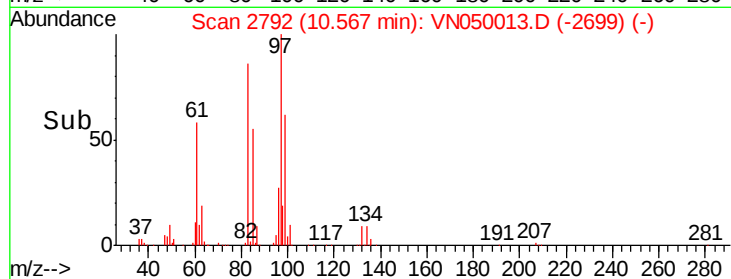
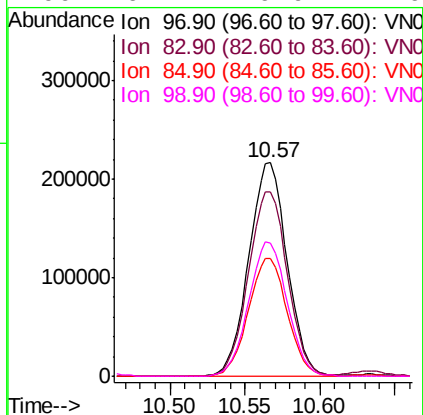
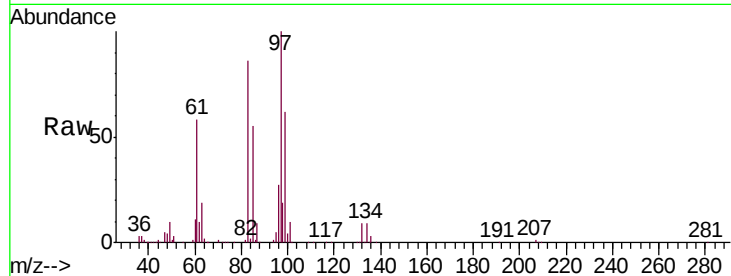
#55
 1,1,2-Trichloroethane
 Concen: 48.18 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	386094
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.2	103.8
85	55.0	44.0	66.0
99	62.4	49.9	74.9

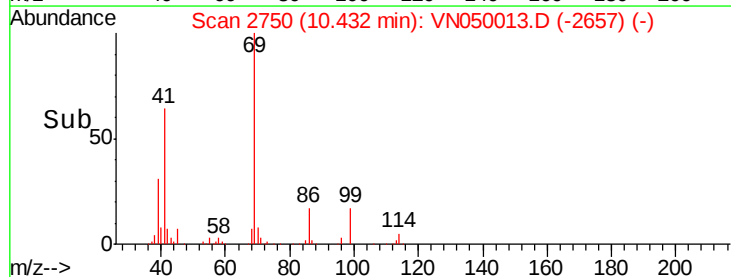
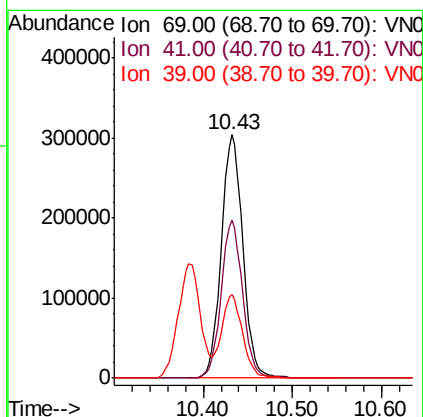
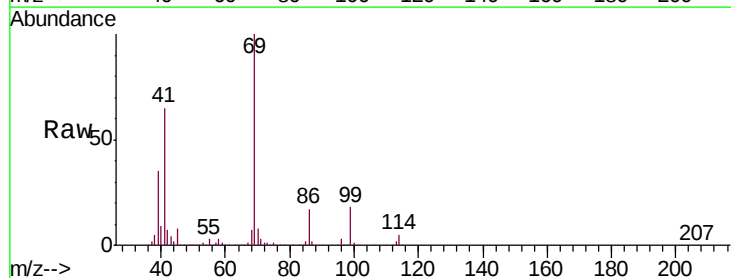
Manual Integrations
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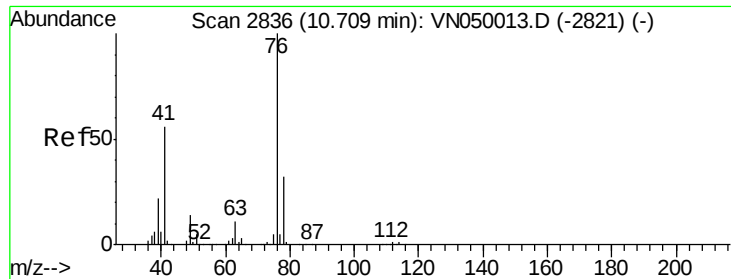
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 7/26/2018 1:50:52 PM



#56
 Ethyl methacrylate
 Concen: 54.57 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion:	69	Resp:	507632
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	33.3	26.6	40.0





#57

1,3-Dichloropropane

Concen: 51.37 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 649562

Ion Ratio Lower Upper

76 100

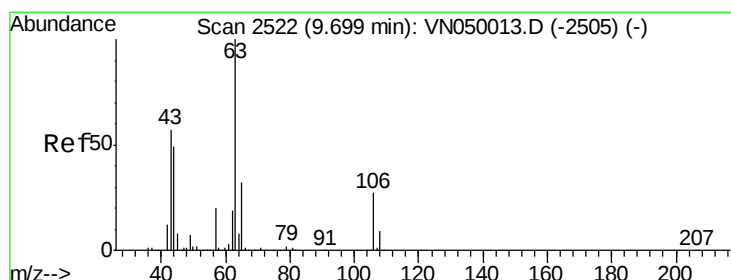
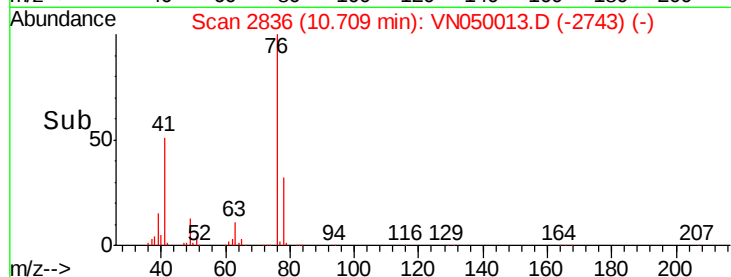
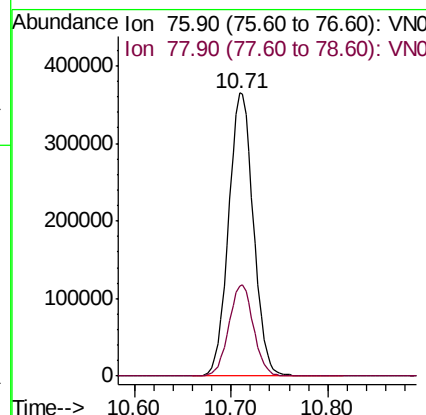
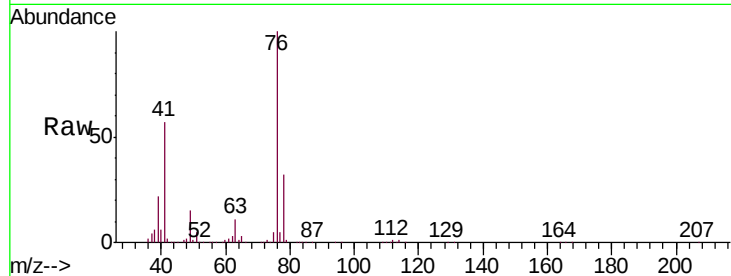
78 32.1 25.7 38.5

Manual Integrations

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MMDadoda

7/26/2018 1:50:52 PM



#58

2-Chloroethyl Vinyl ether

Concen: 284.23 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050013.D

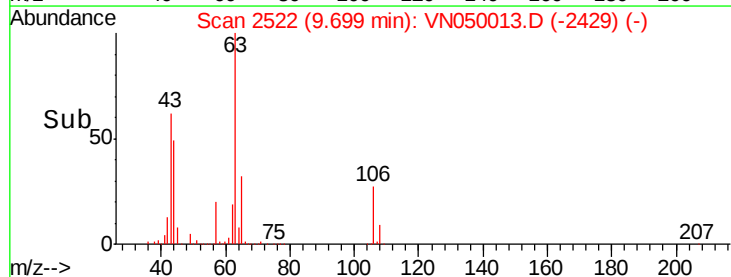
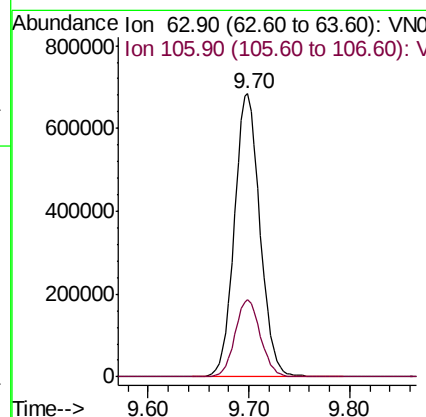
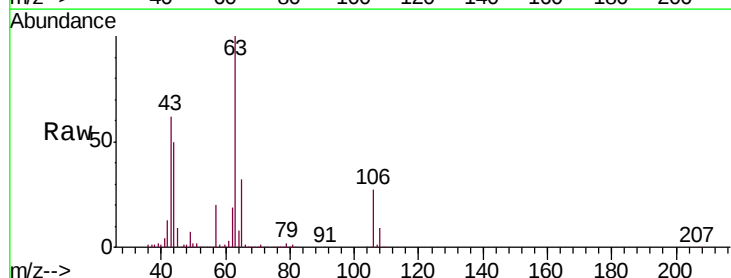
Acq: 23 Jul 2018 18:47

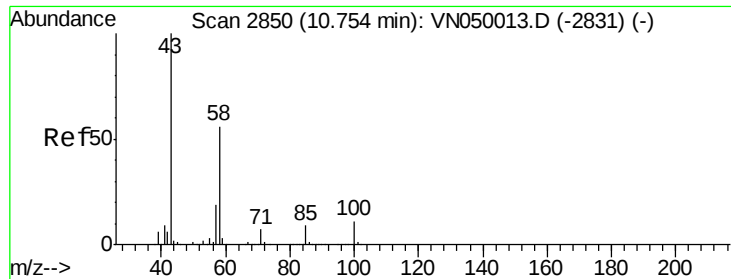
Tgt Ion: 63 Resp: 1206318

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5





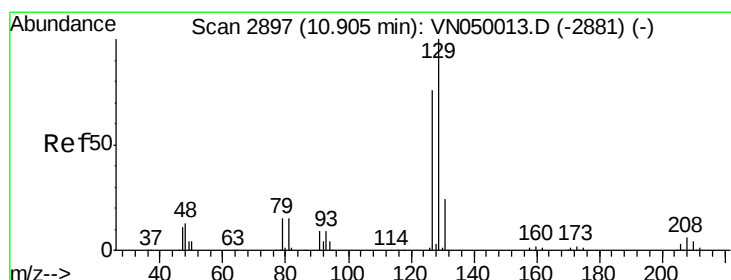
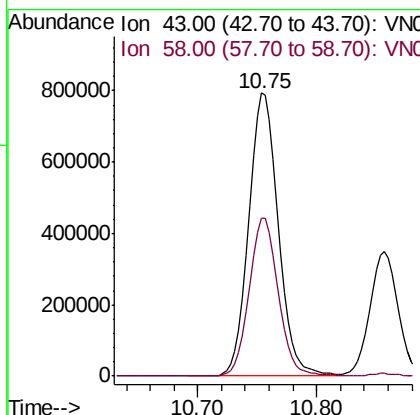
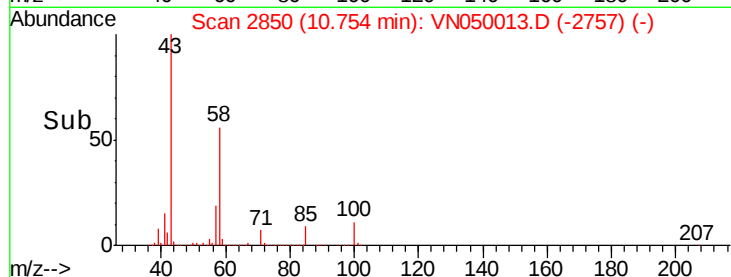
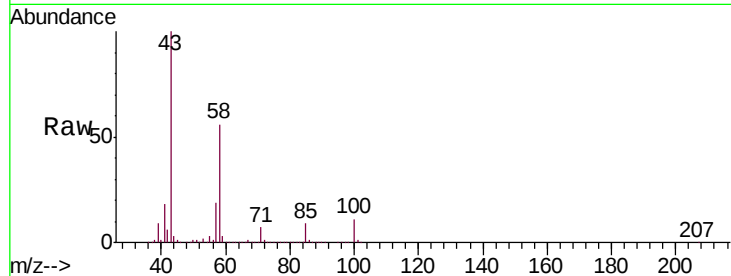
#59
2-Hexanone
Concen: 282.93 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1362844
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

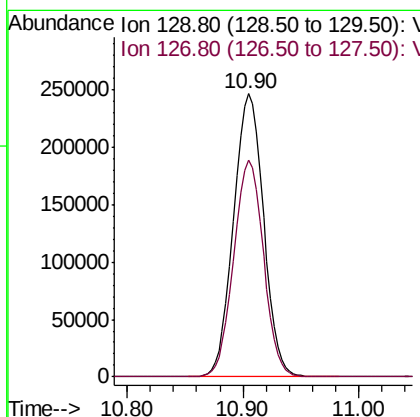
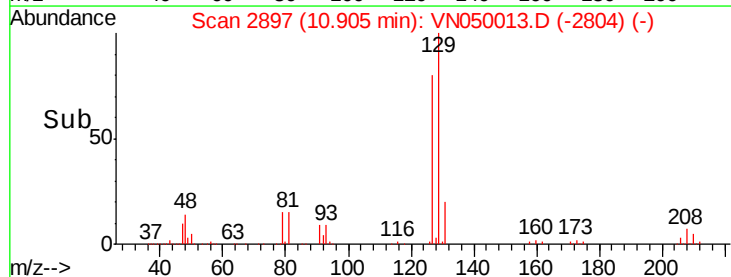
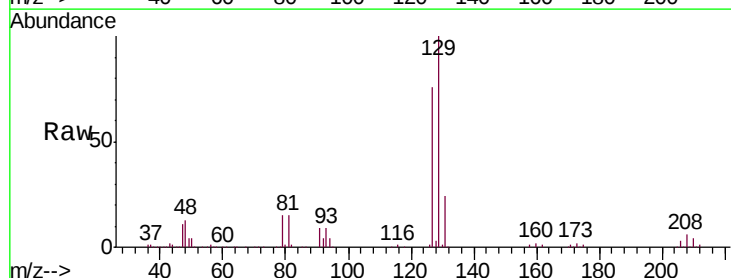
Manual Integrations
APPROVED

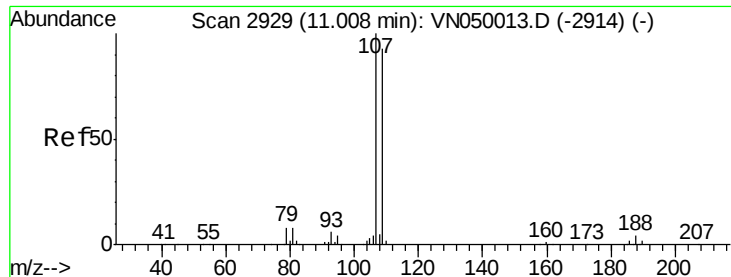
MMDadoda
7/26/2018 1:50:52 PM



#60
Dibromochloromethane
Concen: 50.37 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 129 Resp: 442441
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





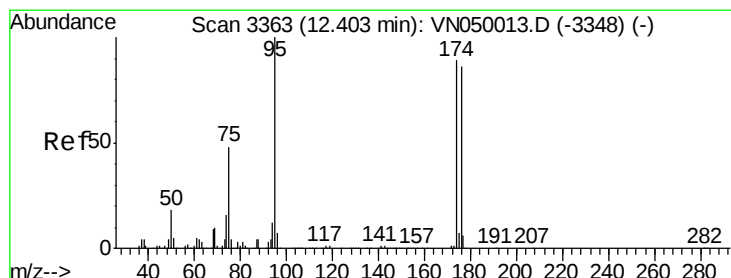
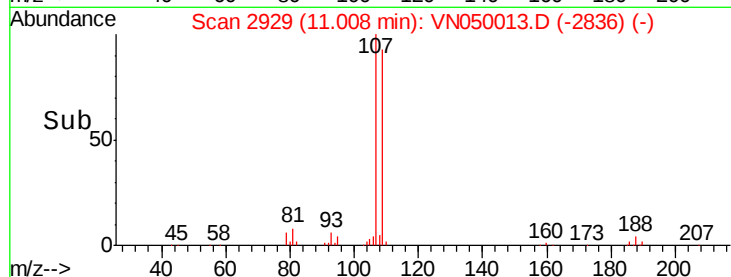
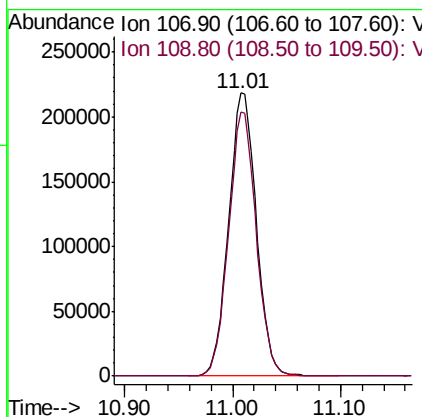
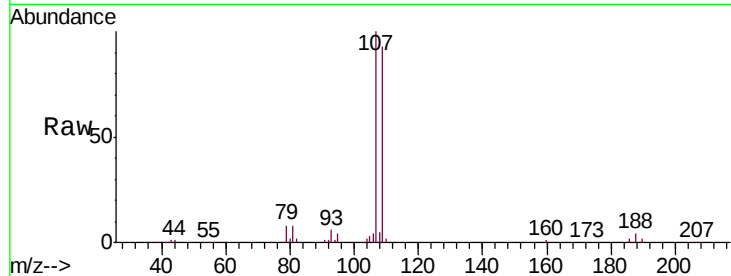
#61
1,2-Dibromoethane
Concen: 52.13 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

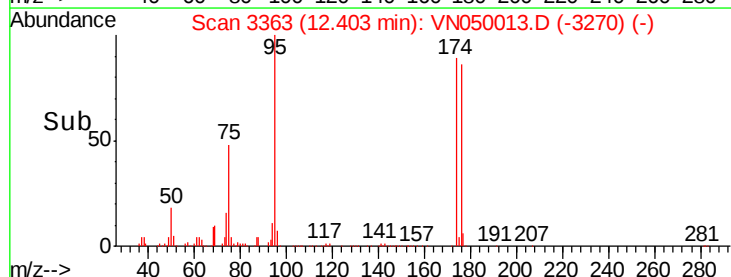
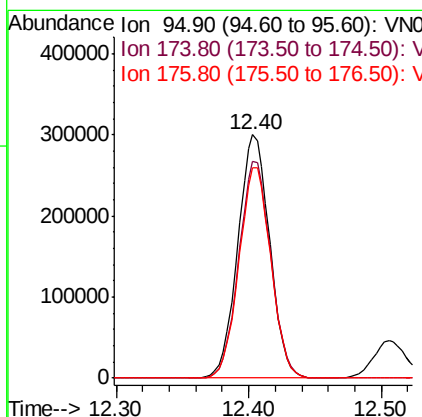
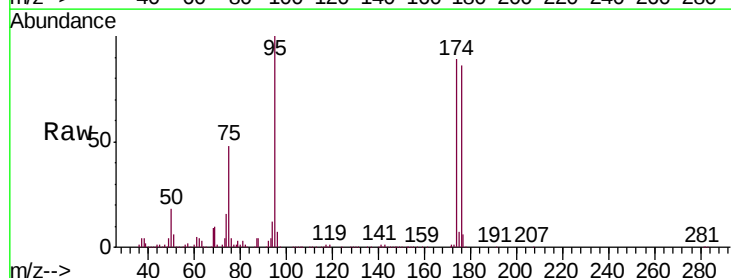
Manual Integrations
APPROVED

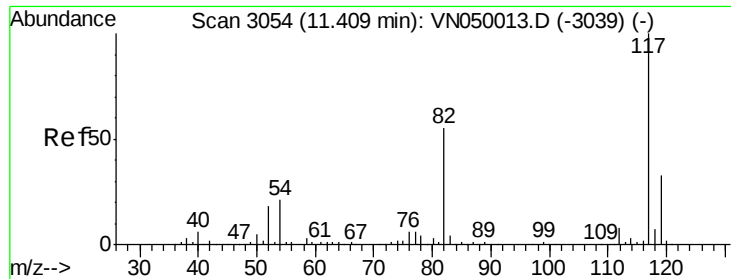
MMDadoda
7/26/2018 1:50:52 PM



#62
4-Bromofluorobenzene
Concen: 49.93 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.2
176	86.7	0.0	173.4





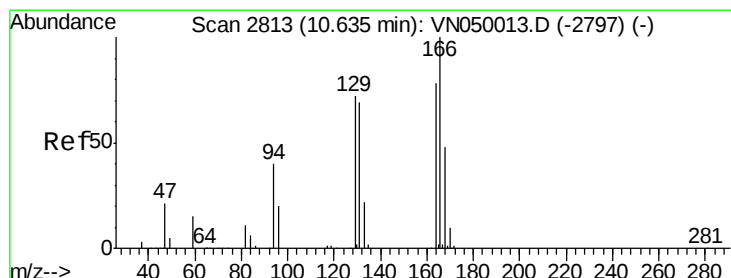
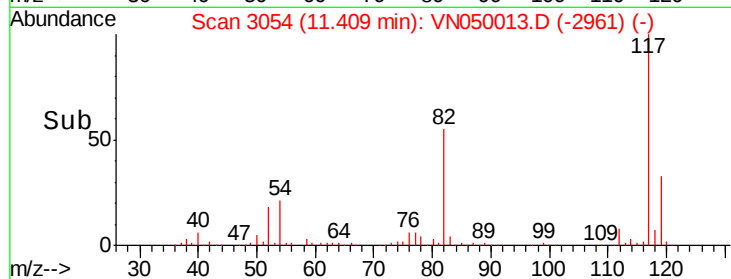
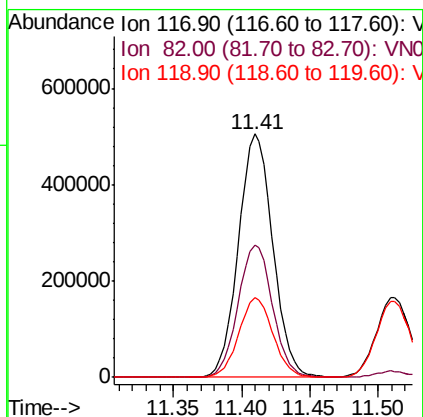
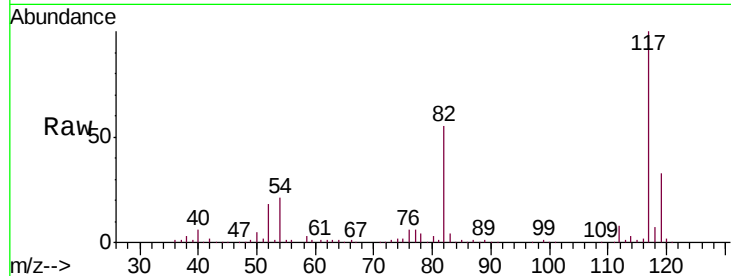
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.7	65.5
119	32.6	26.1	39.1

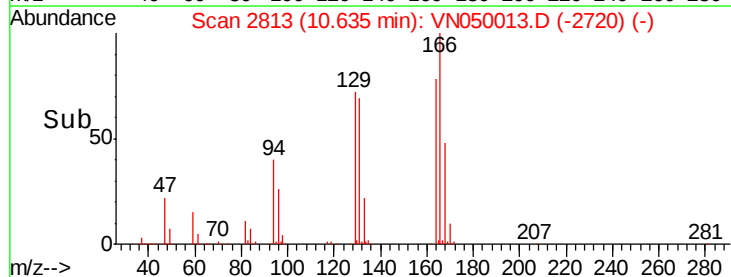
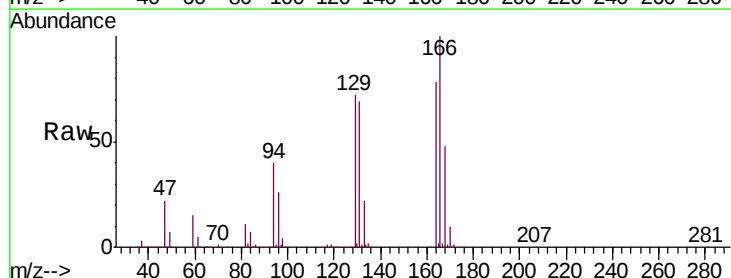
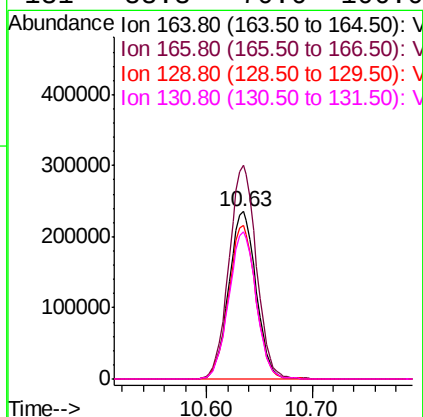
Manual Integrations
APPROVED

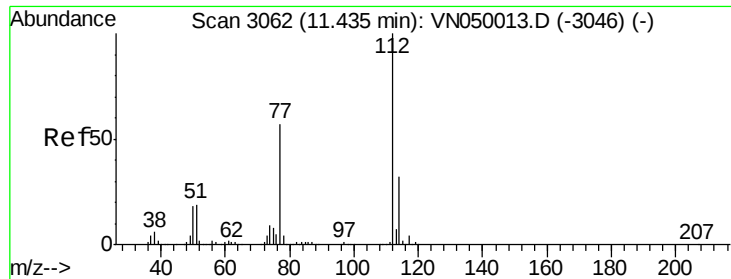
MMDadoda
7/26/2018 1:50:52 PM



#64
Tetrachloroethene
Concen: 51.81 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	91.5	73.2	109.8
131	88.3	70.6	106.0





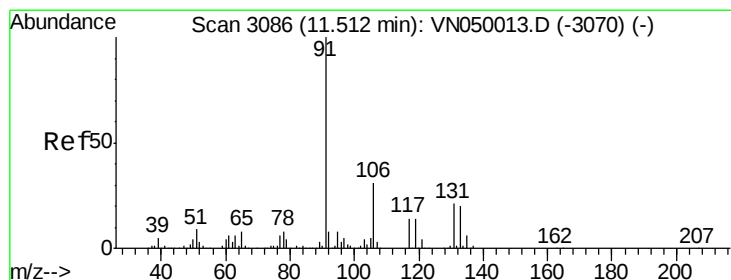
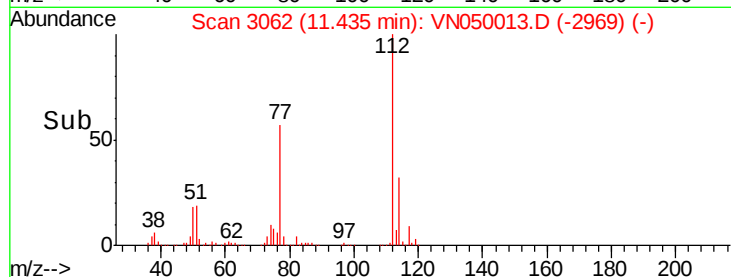
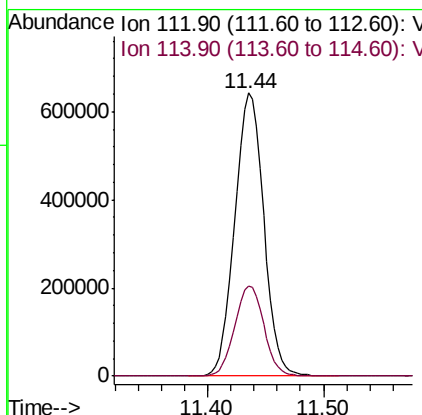
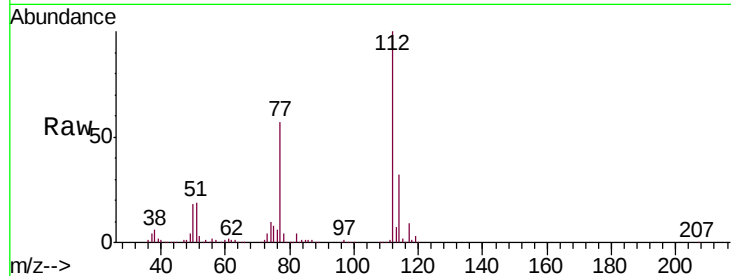
#65
Chlorobenzene
Concen: 49.63 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1110080
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

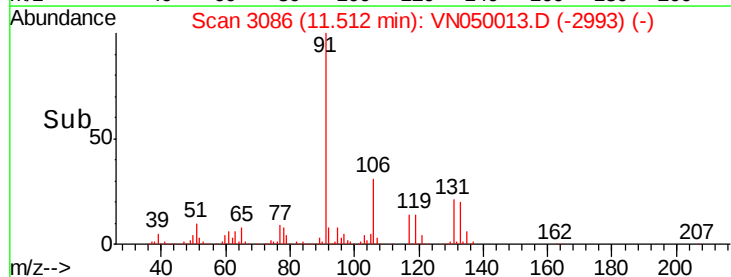
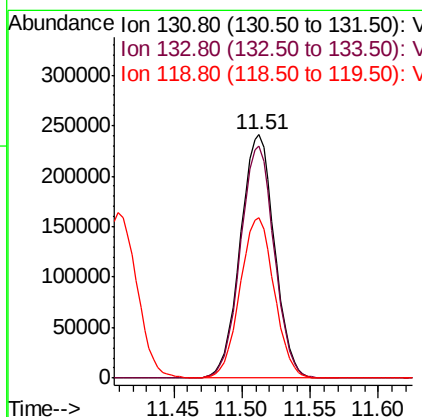
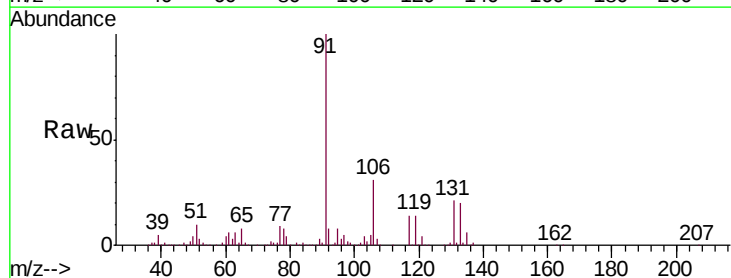
Manual Integrations
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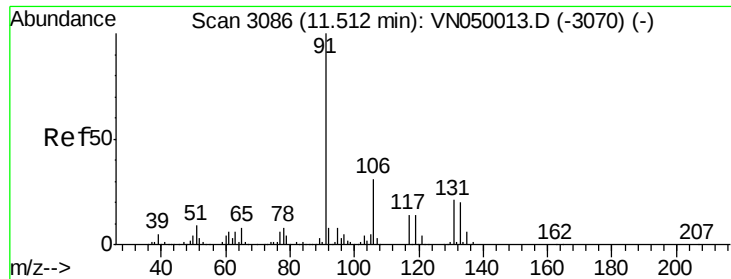
MMDadoda
7/26/2018 1:50:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.40 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion:131 Resp: 419031
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.8 32.9 98.7





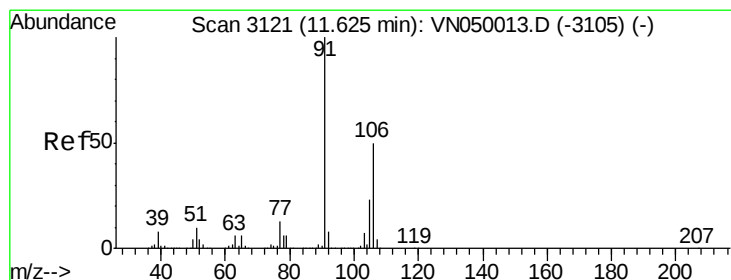
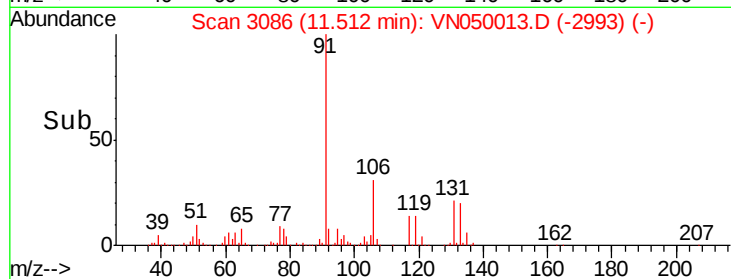
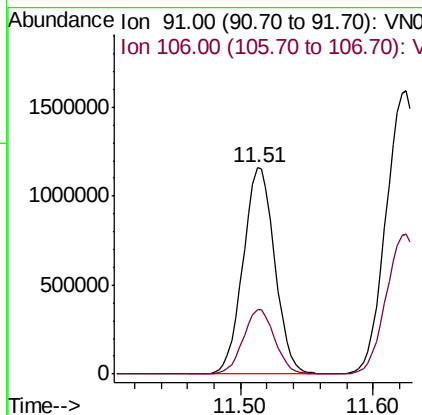
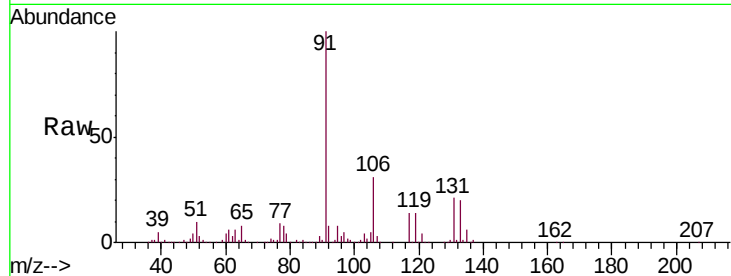
#67
Ethyl Benzene
Concen: 53.02 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1923230
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

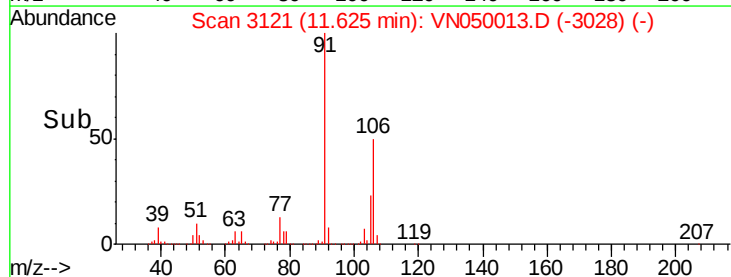
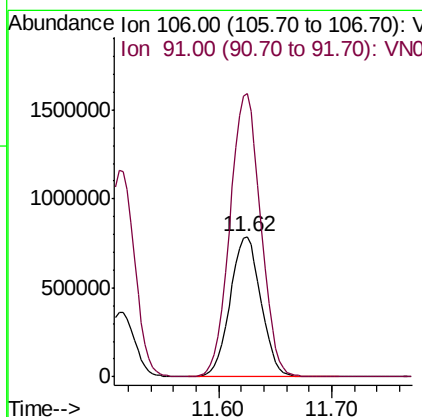
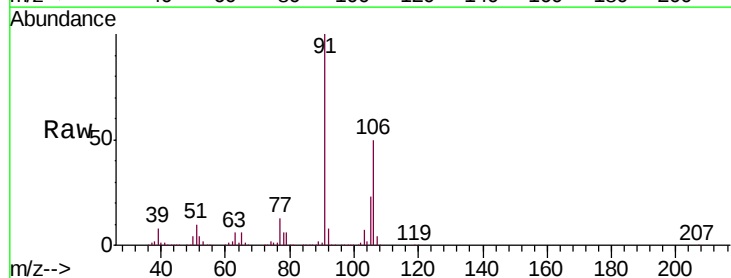
Manual Integrations
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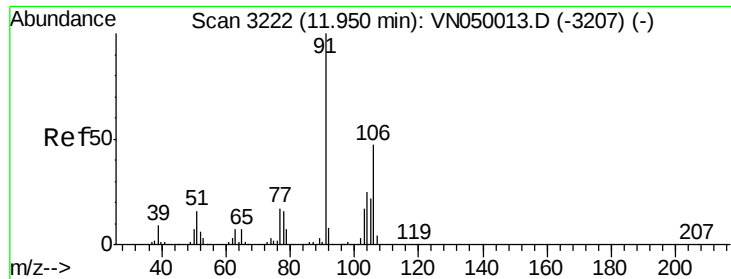
MMDadoda
7/26/2018 1:50:52 PM



#68
m/p-Xylenes
Concen: 108.53 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 106 Resp: 1488380
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2





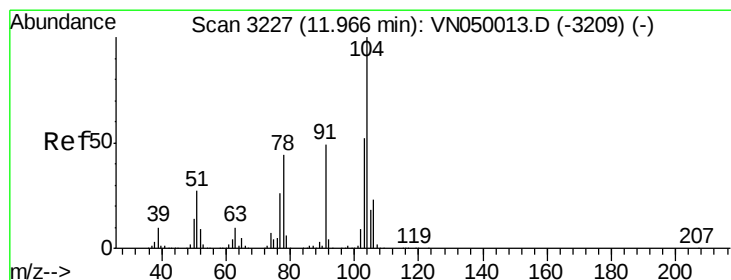
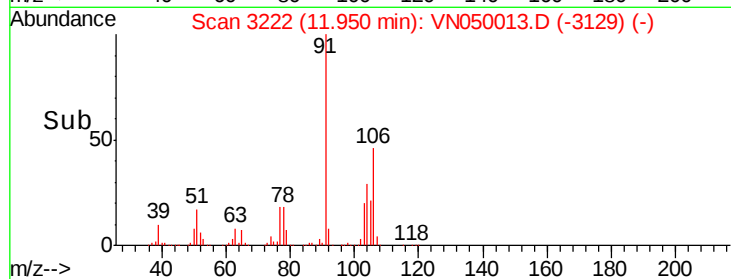
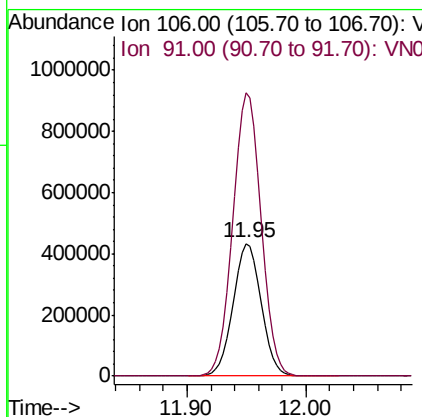
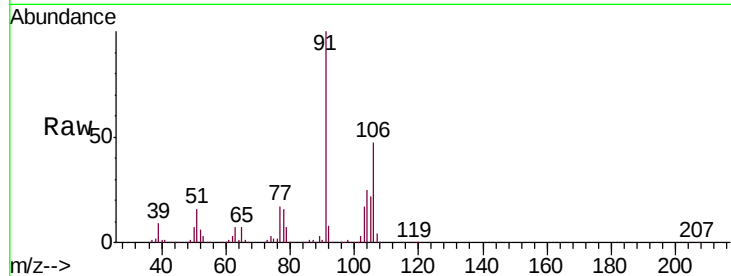
#69
o-Xylene
Concen: 53.75 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	215.4	107.7	323.1

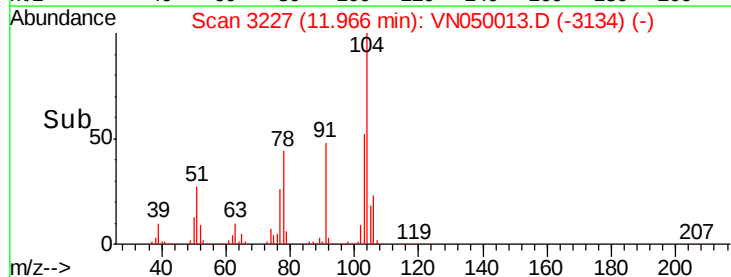
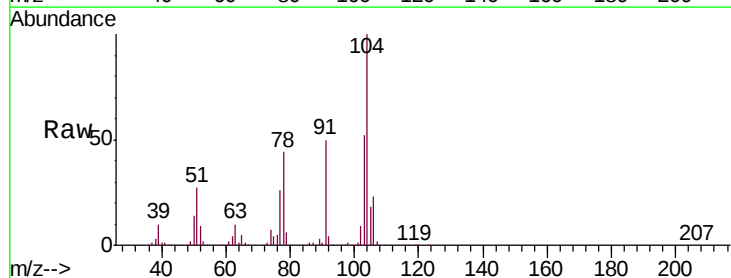
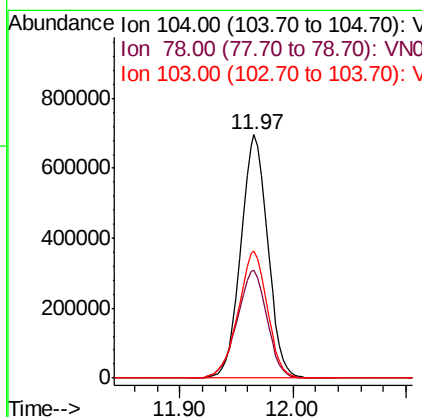
Manual Integrations
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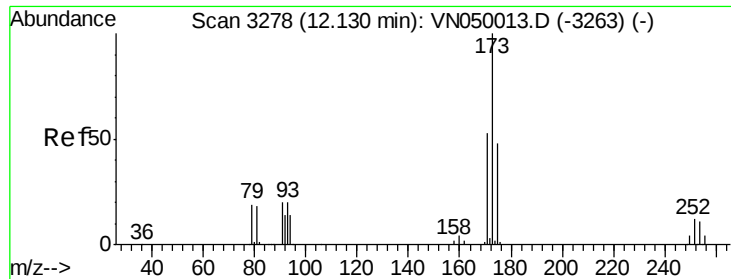
MMDadoda
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#70
Styrene
Concen: 54.56 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.1	39.3	58.9
103	103	56.3	45.0	67.6





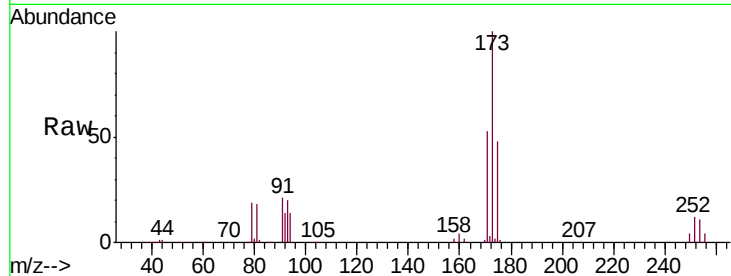
#71
Bromoform
Concen: 51.17 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.2	0.2	0.2

Manual Integrations
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MMDadoda
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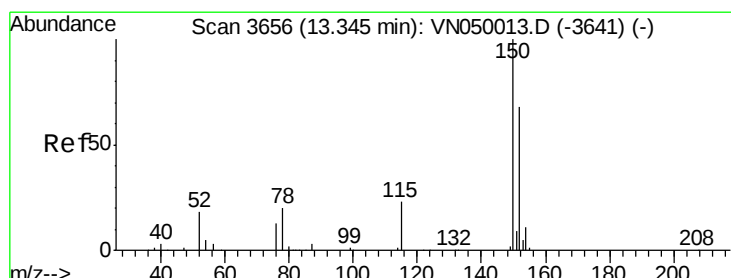
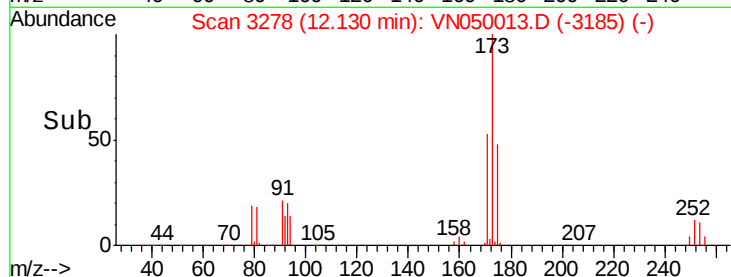
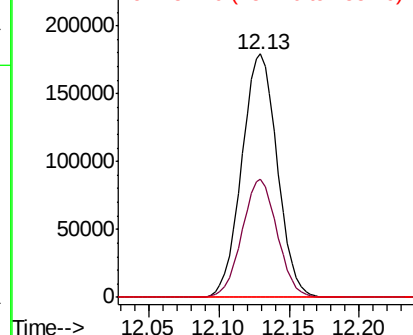


Abundance

Ion 172.70 (172.40 to 173.40): V

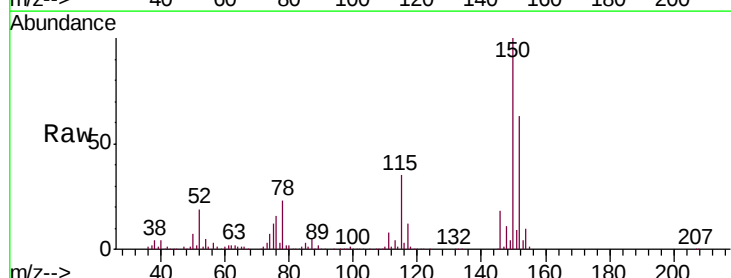
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.3
150	174.3	0.0	348.6

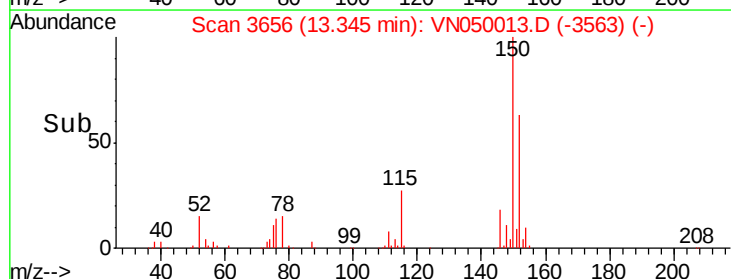
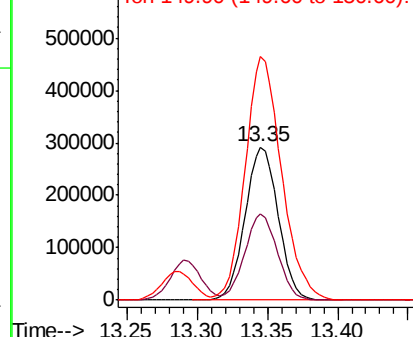


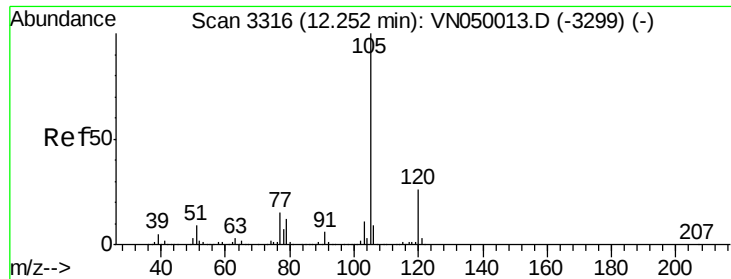
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





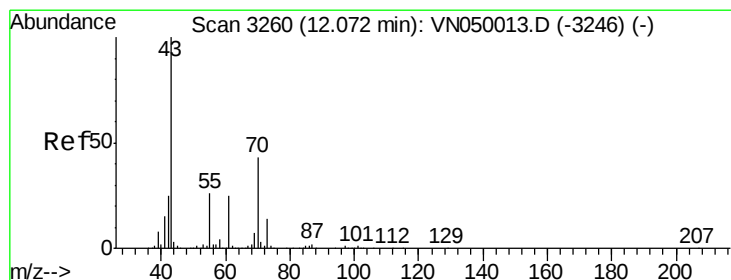
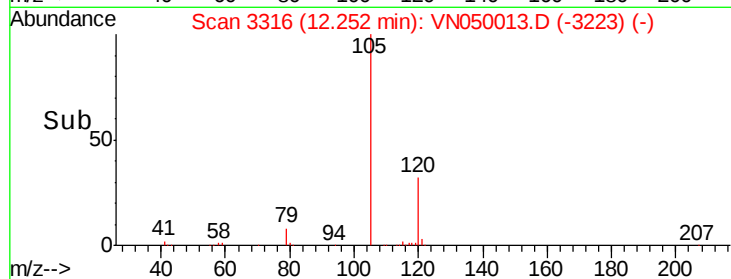
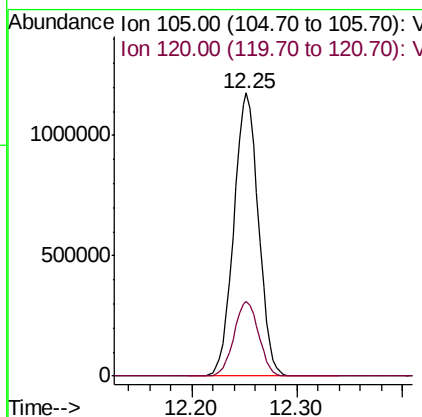
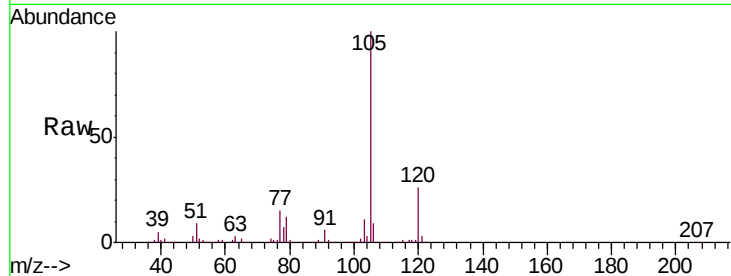
#73
Isopropylbenzene
Concen: 51.58 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1893164
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

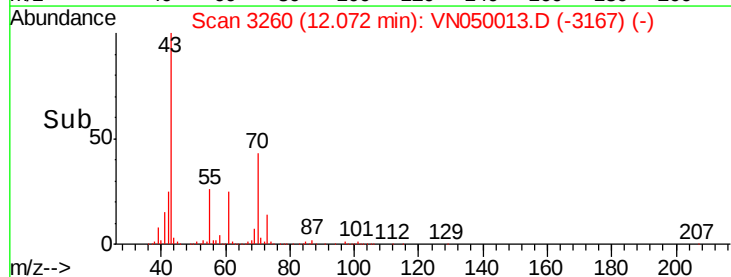
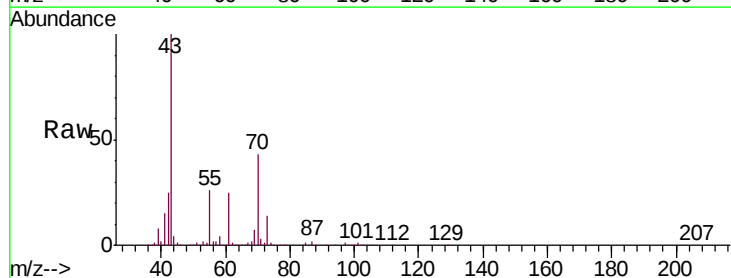
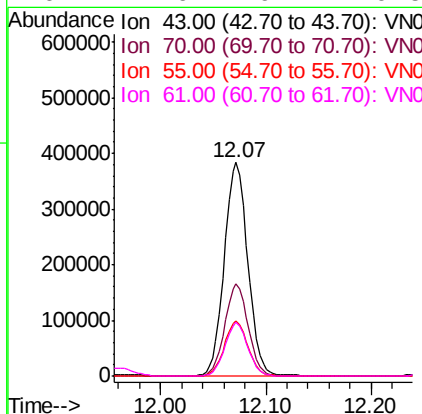
Manual Integrations
APPROVED

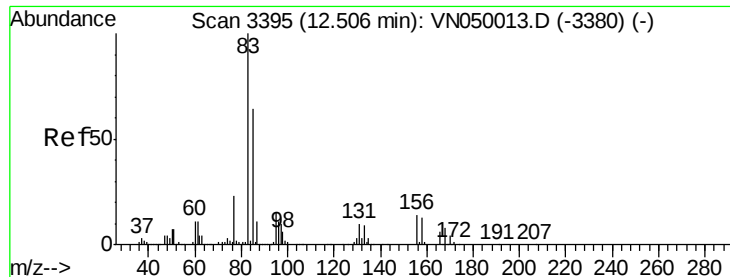
MMDadoda
7/26/2018 1:50:52 PM



#74
N-ethyl acetate
Concen: 52.81 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion: 43 Resp: 588661
Ion Ratio Lower Upper
43 100
70 43.0 34.4 51.6
55 26.0 20.8 31.2
61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.48 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 510008

Ion Ratio Lower Upper

83 100

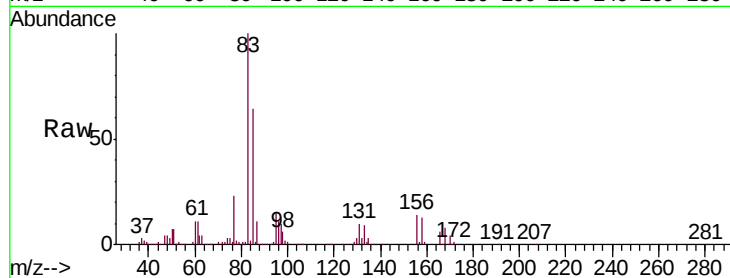
131 10.2 5.1 15.3

85 64.5 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

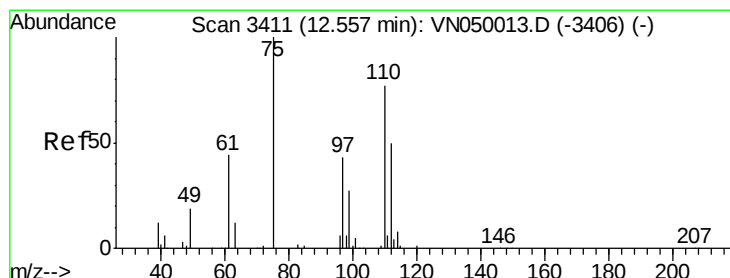
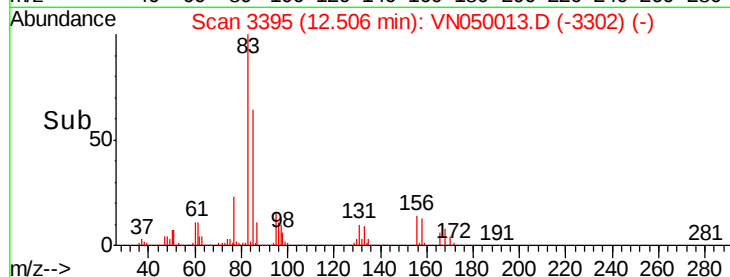
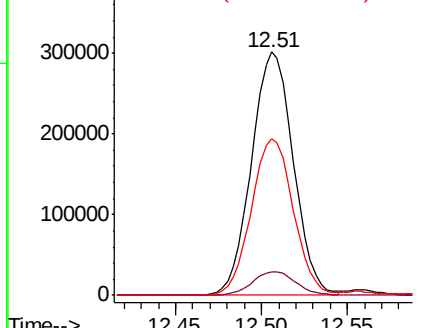
7/26/2018 1:50:52 PM



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) (-)



#76

1,2,3-Trichloropropane

Concen: 47.00 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050013.D

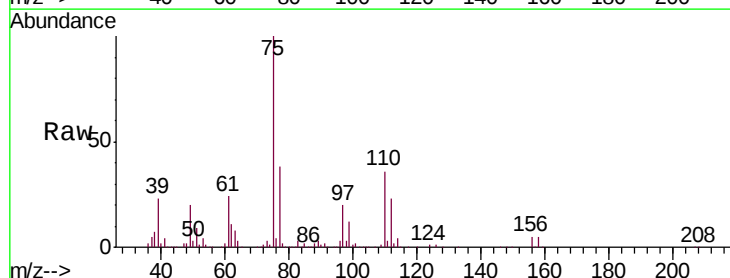
Acq: 23 Jul 2018 18:47

Tgt Ion: 75 Resp: 422297

Ion Ratio Lower Upper

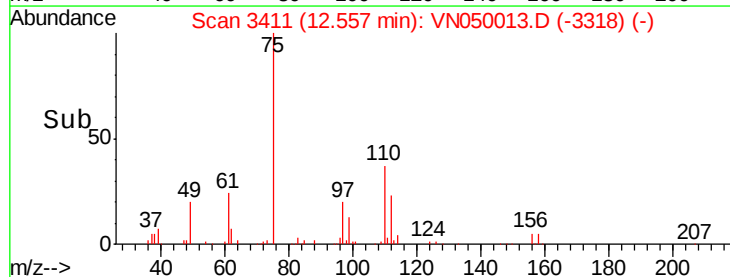
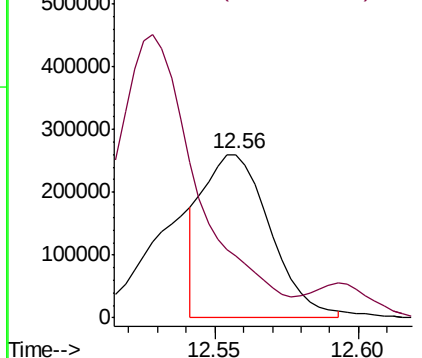
75 100

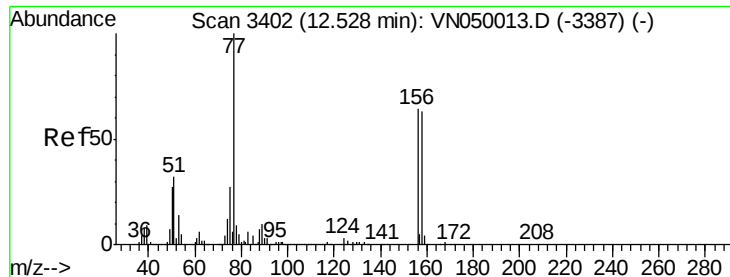
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 48.65 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 492919

Ion Ratio Lower Upper

156 100

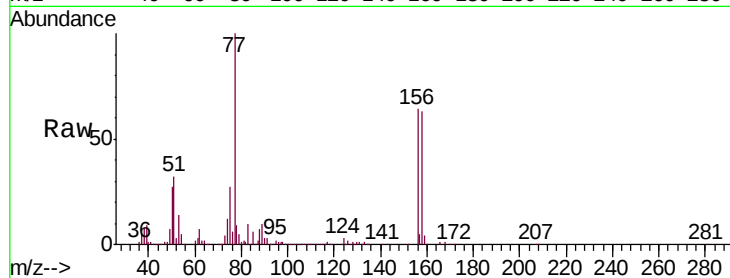
77 183.4 91.7 275.1

158 97.7 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

600000

500000

400000

300000

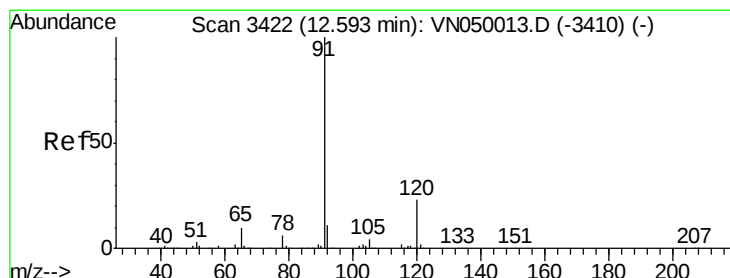
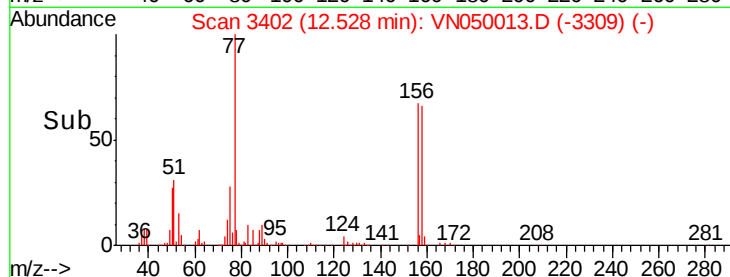
200000

100000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 52.54 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050013.D

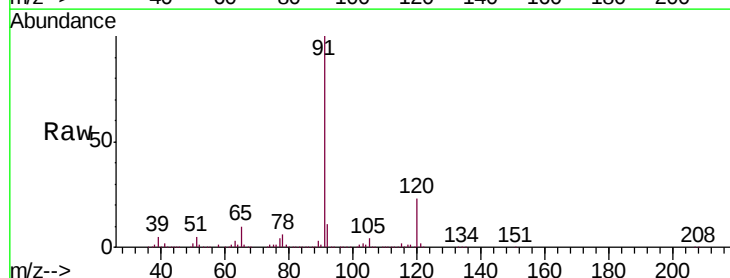
Acq: 23 Jul 2018 18:47

Tgt Ion: 91 Resp: 2191177

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

1500000

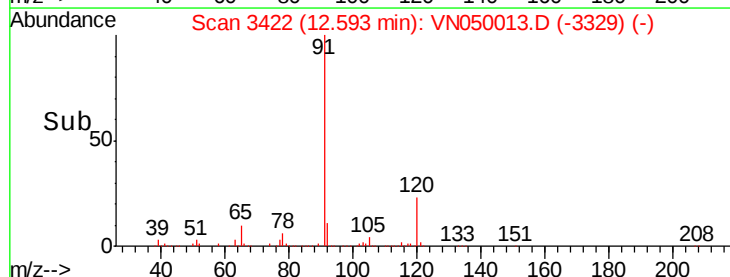
1000000

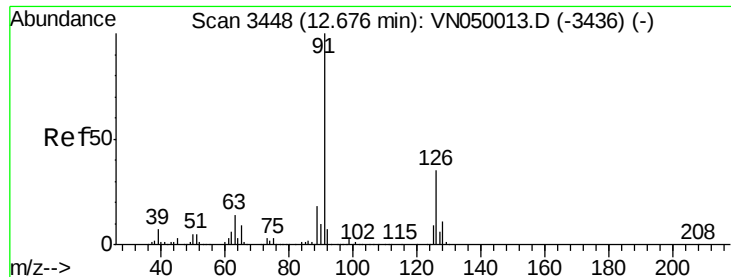
500000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 50.77 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1299716

Ion Ratio Lower Upper

91 100

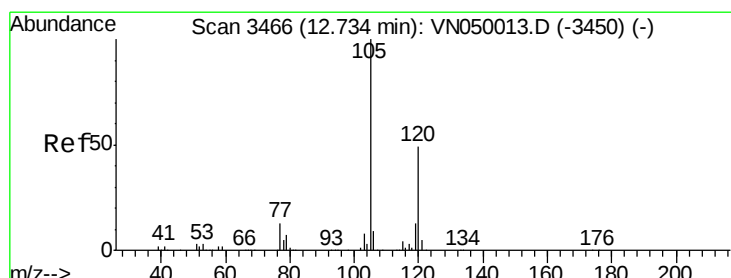
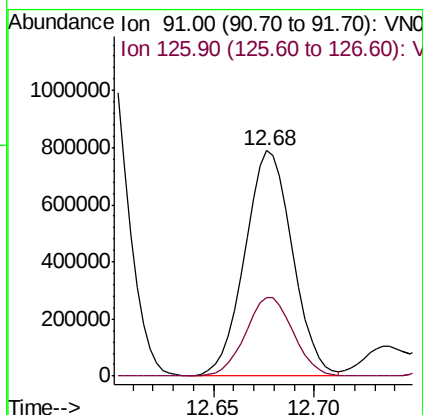
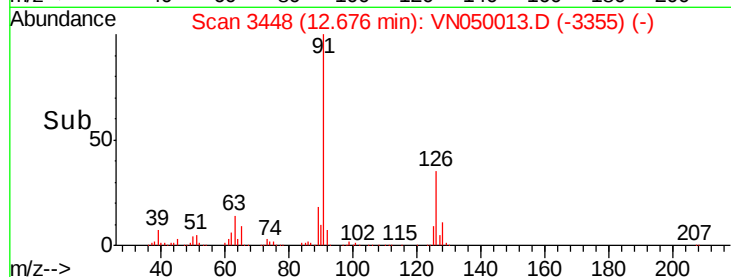
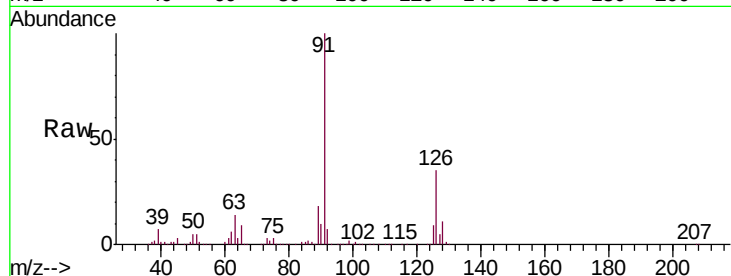
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050013.D

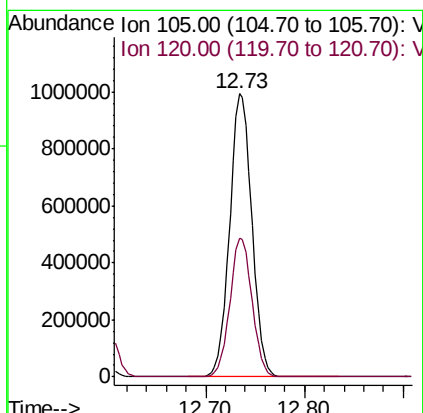
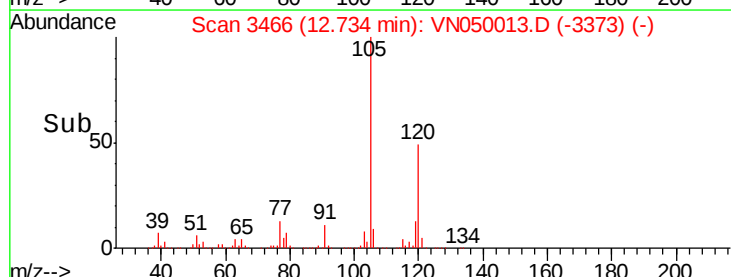
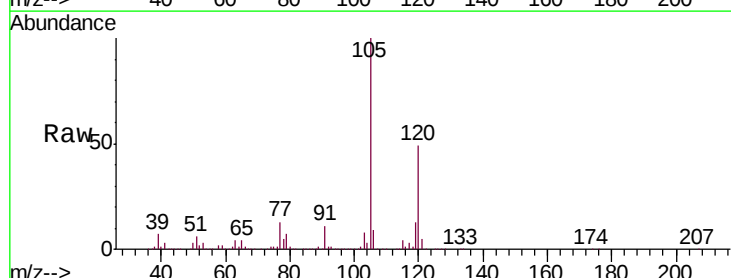
Acq: 23 Jul 2018 18:47

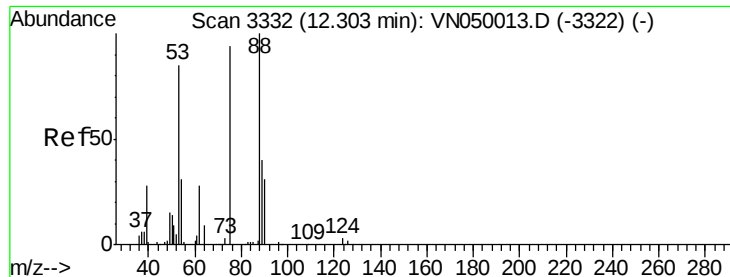
Tgt Ion:105 Resp: 1562503

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





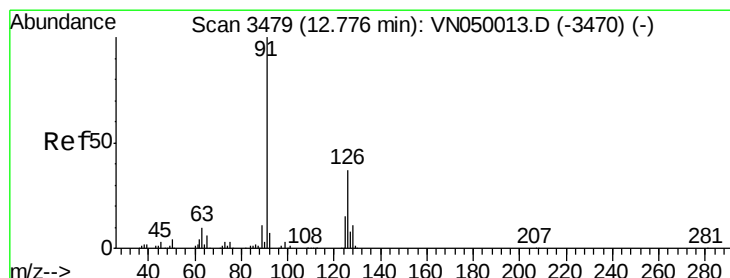
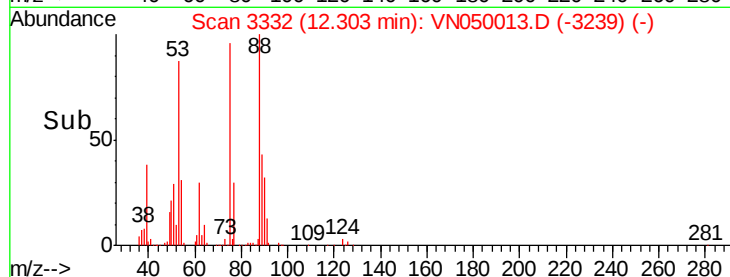
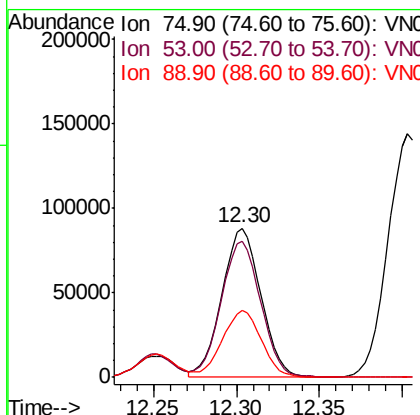
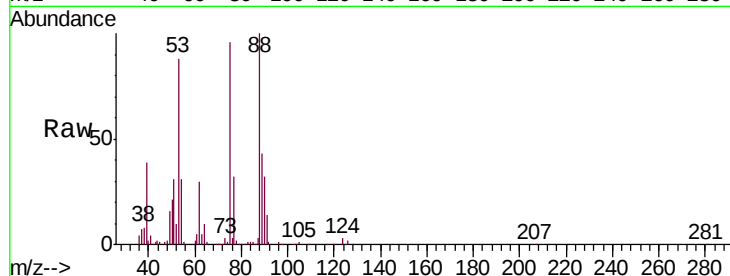
#81
trans-1,4-Dichloro-2-butene
Concen: 50.21 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	73.5	110.3
89	45.0	36.0	54.0

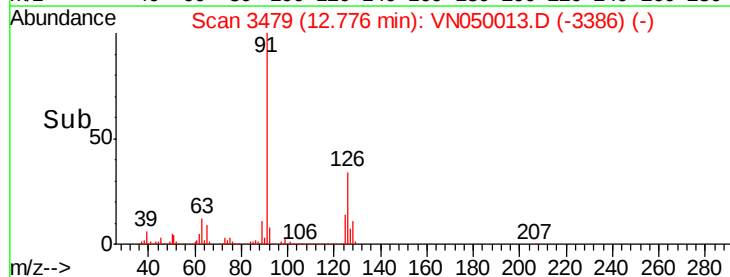
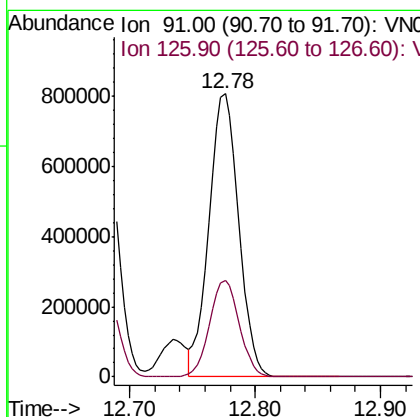
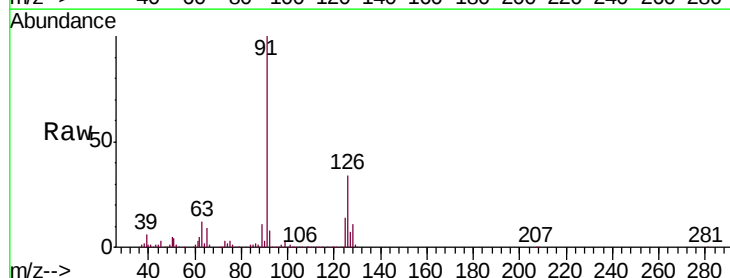
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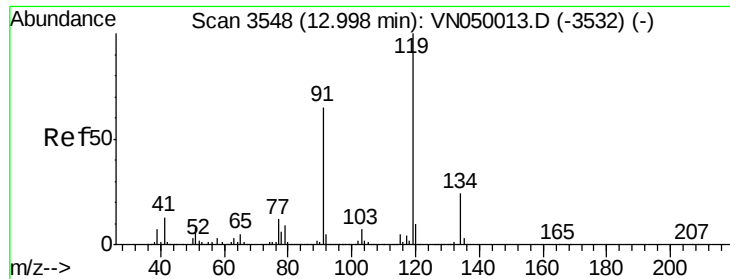
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.61 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0





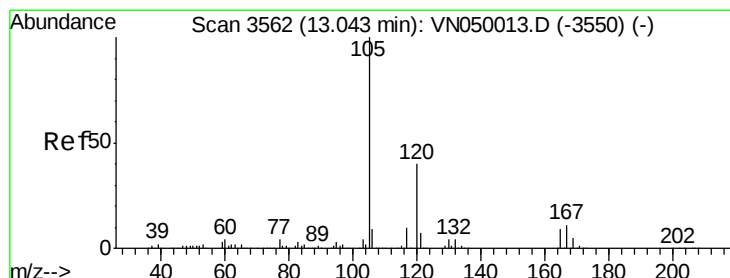
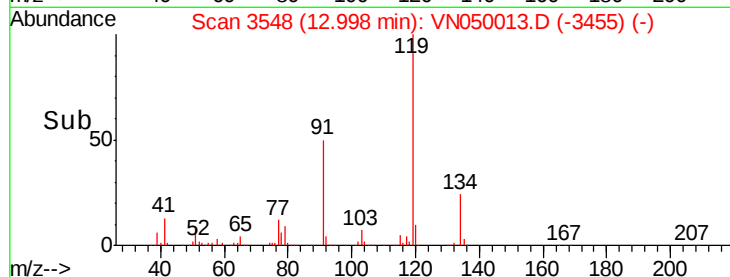
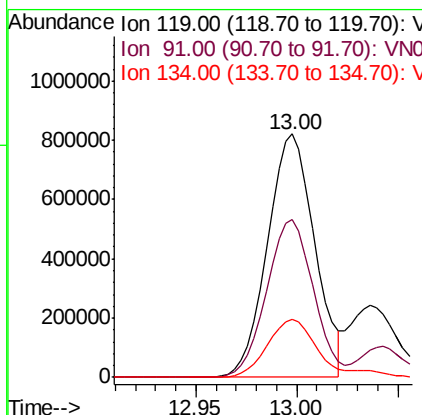
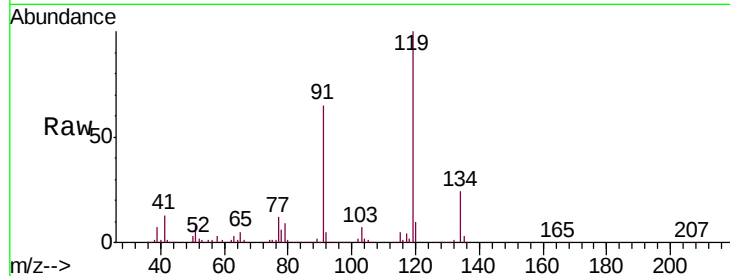
#83
 tert-Butylbenzene
 Concen: 51.75 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	26.3	13.2	39.5

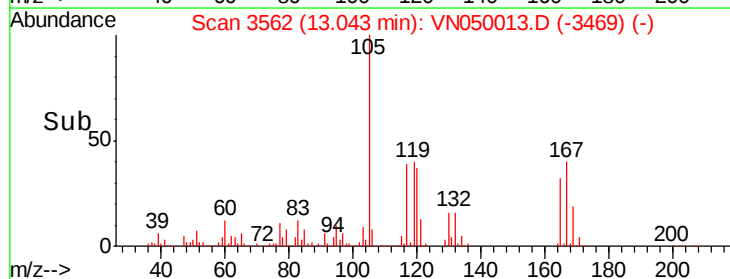
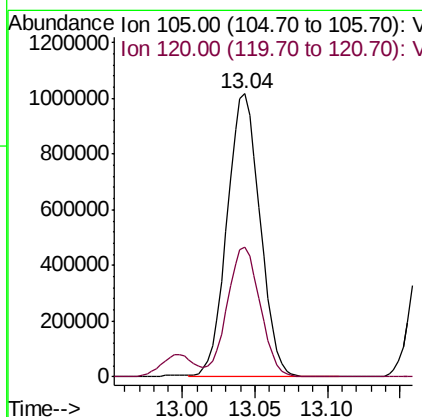
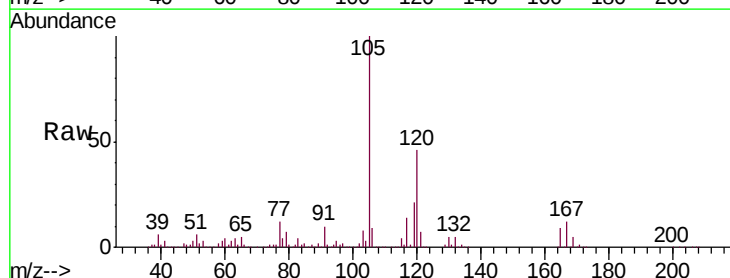
Manual Integrations
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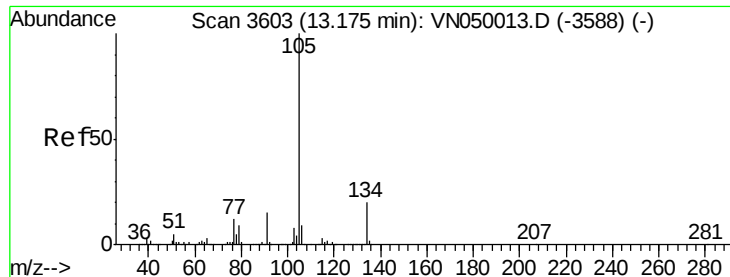
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.86 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 52.83 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1799605

Ion Ratio Lower Upper

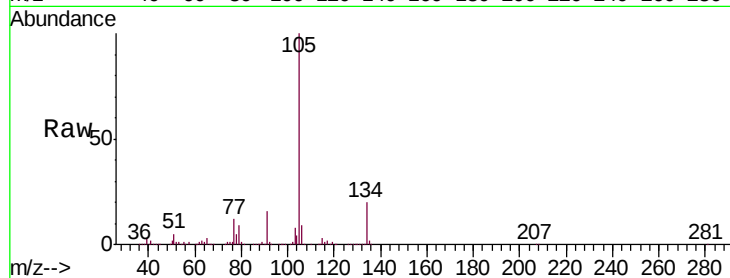
105 100

134 20.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

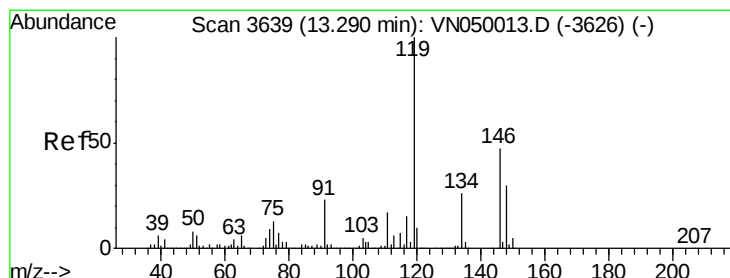
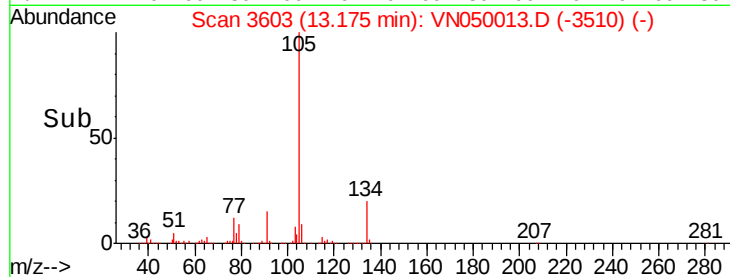
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.99 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

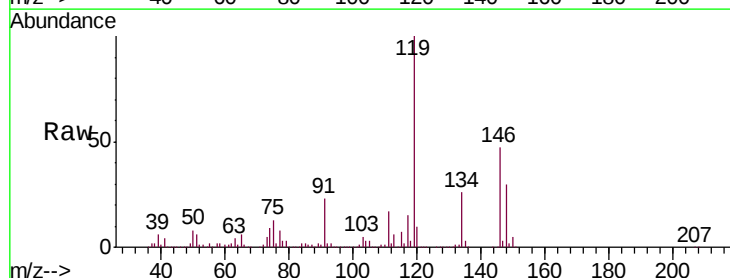
Tgt Ion:119 Resp: 1567922

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.8 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

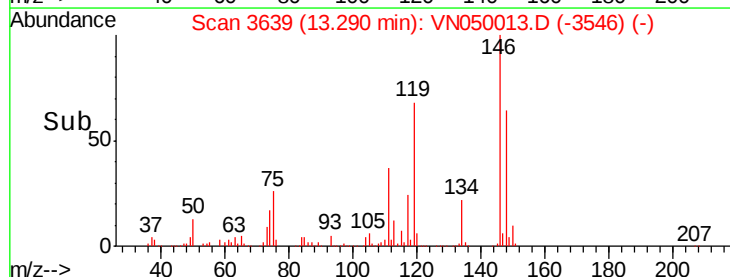
13.29

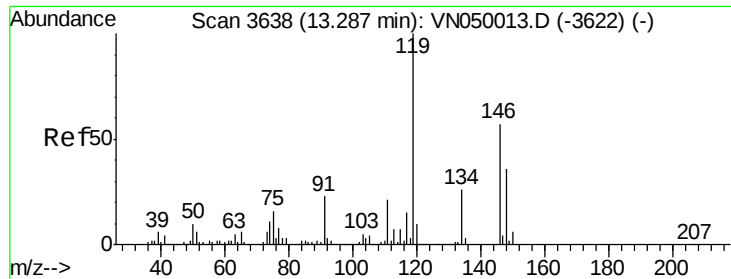
1000000

500000

0

Time-->





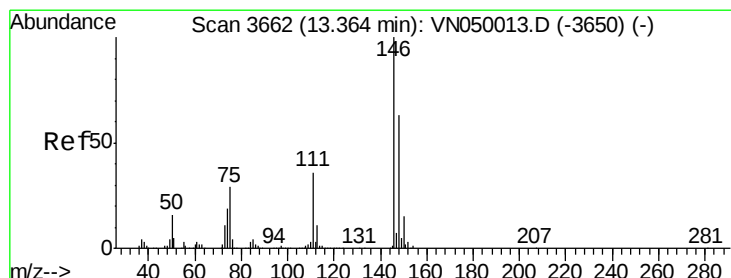
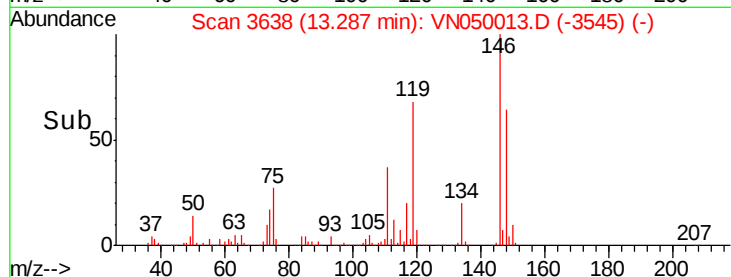
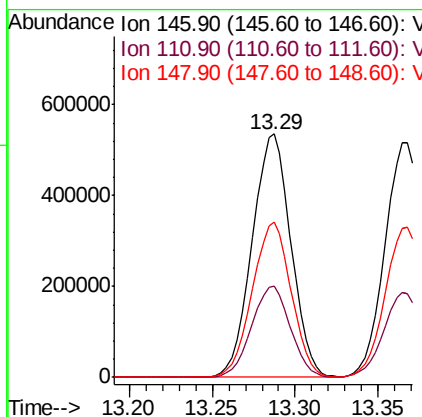
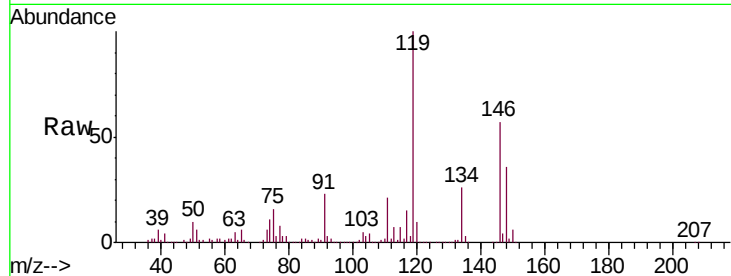
#87
 1,3-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.9	31.9	95.9

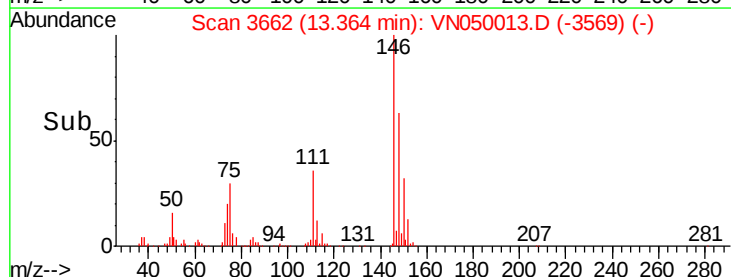
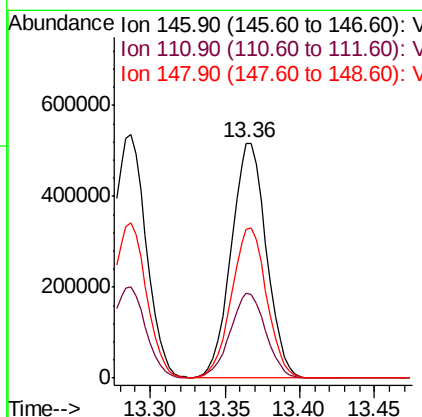
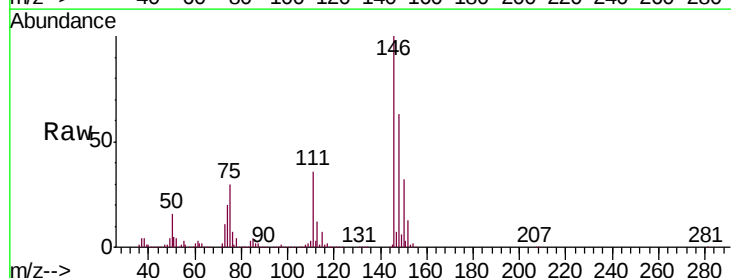
Manual Integrations
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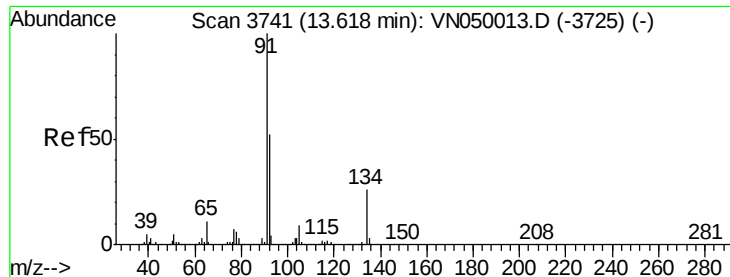
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#88
 1,4-Dichlorobenzene
 Concen: 47.90 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	63.9	31.9	95.9





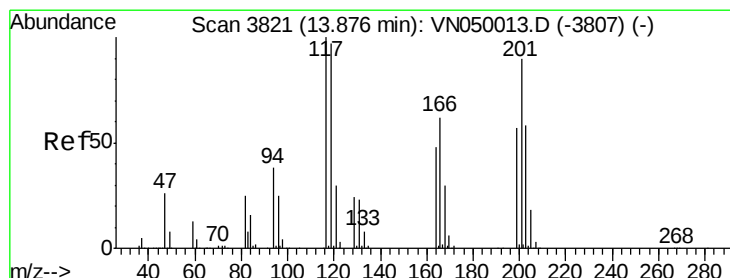
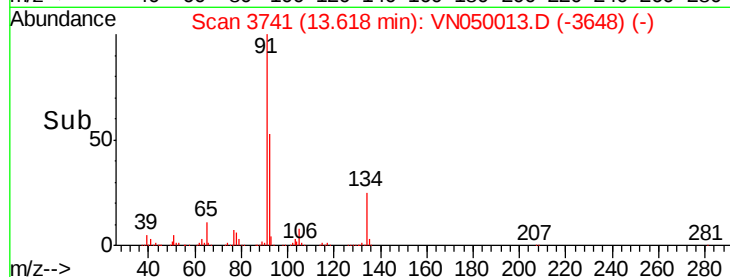
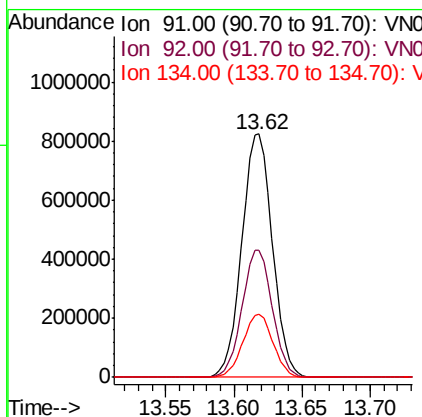
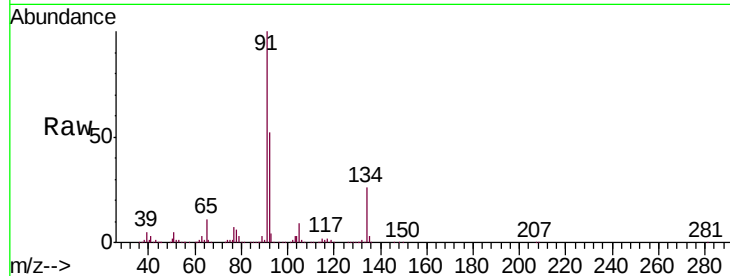
#89
n-Butylbenzene
Concen: 53.55 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	25.6	12.8	38.4

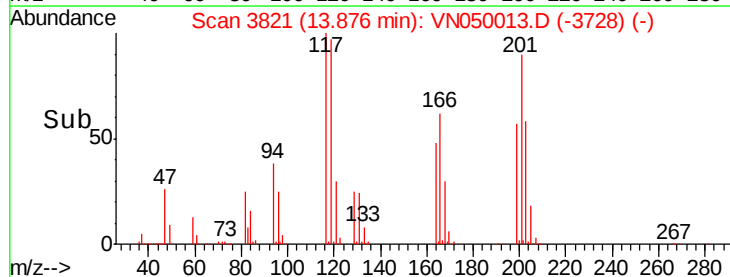
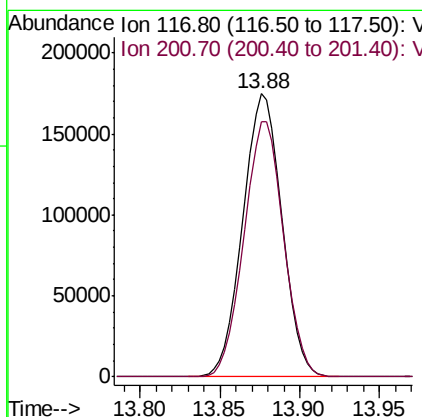
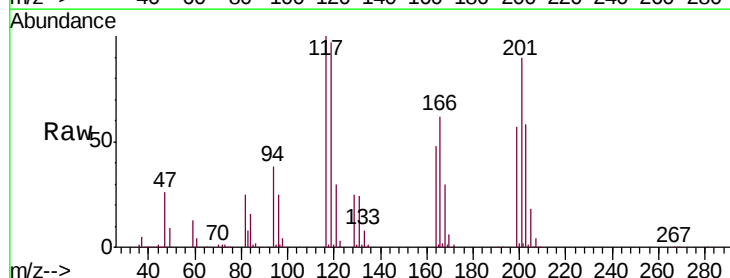
Manual Integrations
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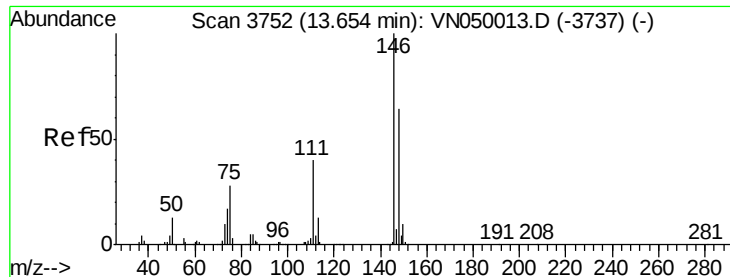
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#90
Hexachloroethane
Concen: 44.78 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050013.D
Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	45.6	136.8





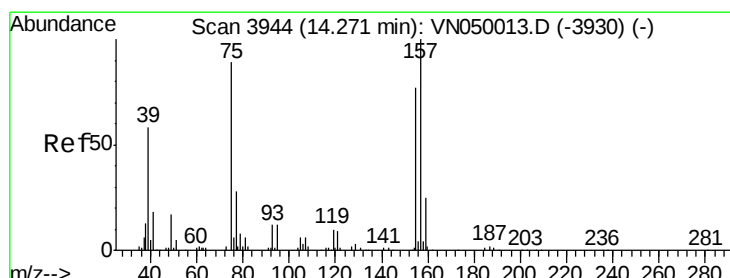
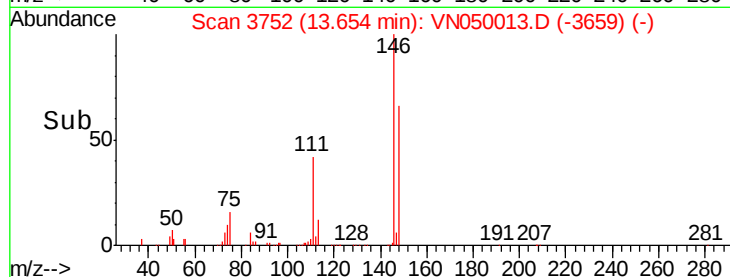
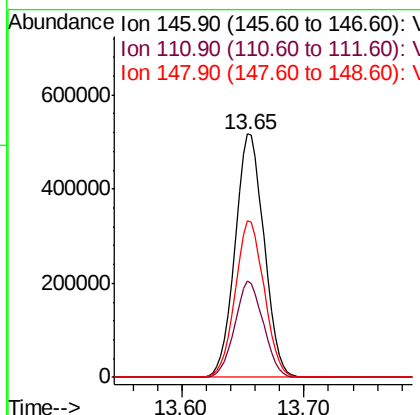
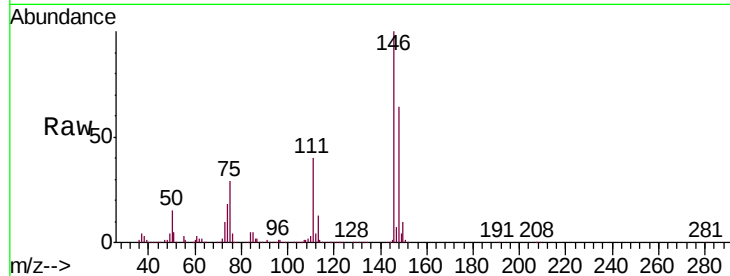
#91
 1,2-Dichlorobenzene
 Concen: 49.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.2	32.1	96.3

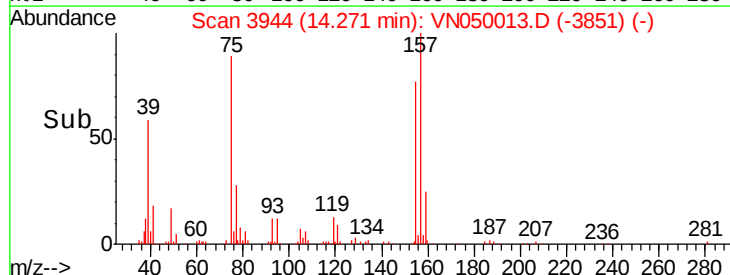
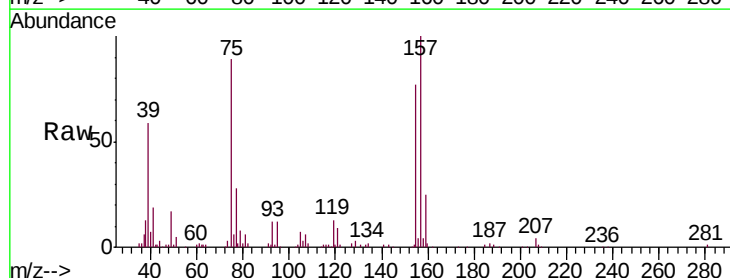
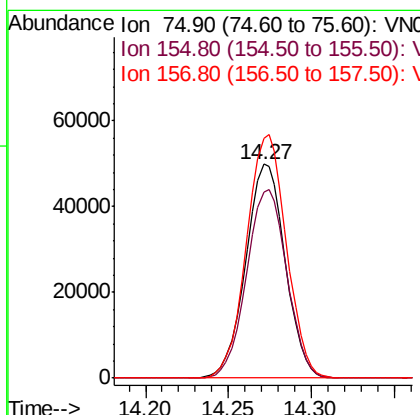
Manual Integrations
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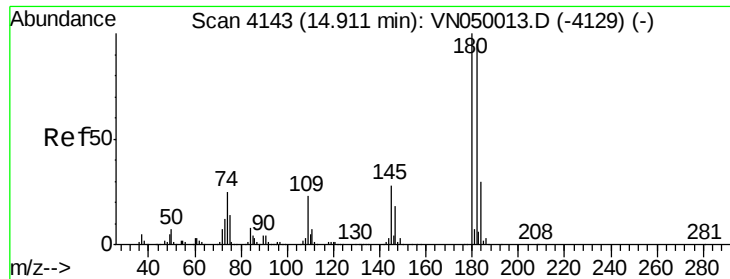
MMDadoda
 7/26/2018 1:50:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.38 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	44.8	134.4
157	114.4	57.2	171.6





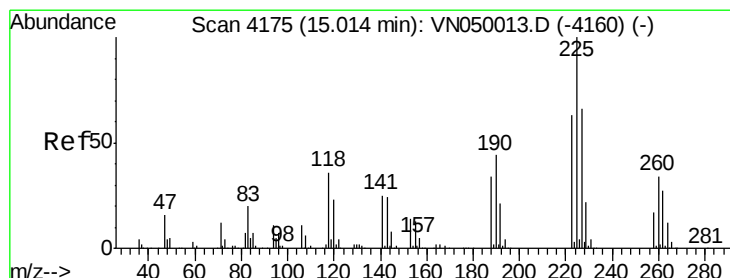
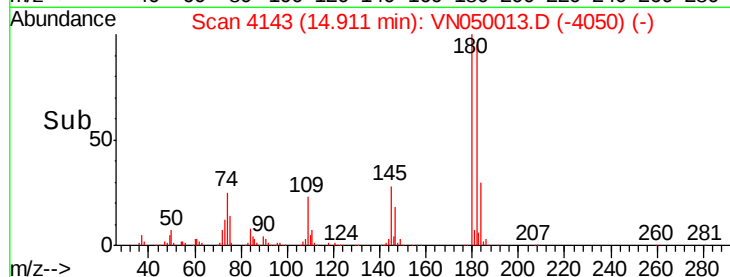
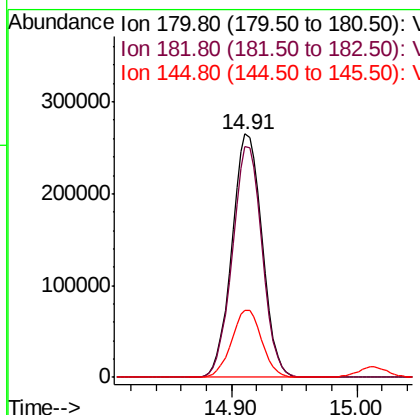
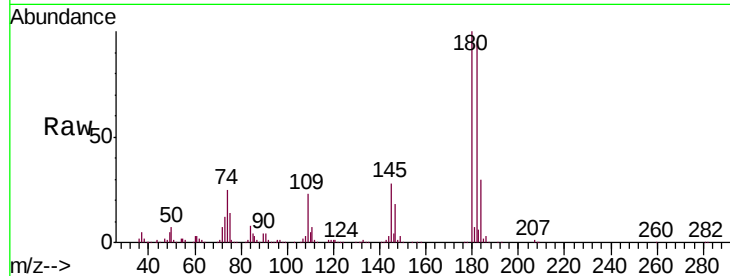
#93
 1,2,4-Trichlorobenzene
 Concen: 55.56 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	27.6	13.8	41.4

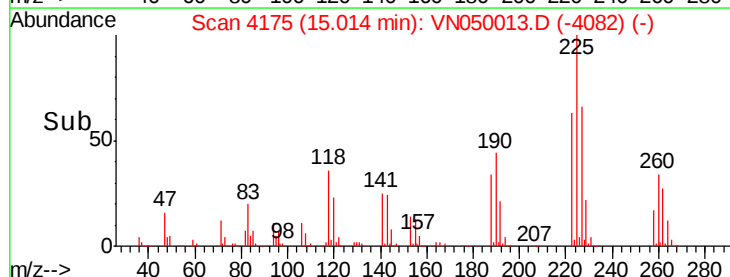
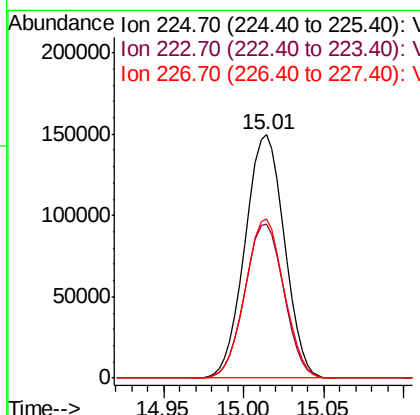
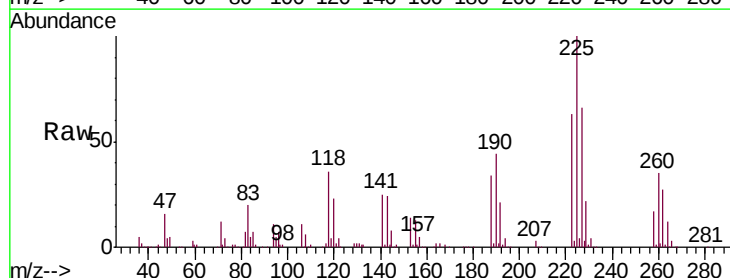
Manual Integrations
 APPROVED

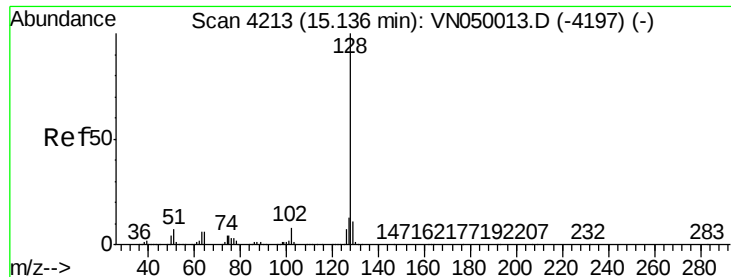
MMDadoda
 7/26/2018 1:50:52 PM



#94
 Hexachlorobutadiene
 Concen: 44.37 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050013.D
 Acq: 23 Jul 2018 18:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.3	32.1	96.5





#95

Naphthalene

Concen: 57.54 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1006104

Ion Ratio Lower Upper

128 100

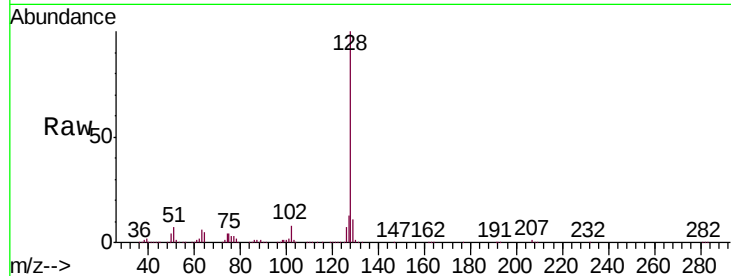
127 13.0 10.4 15.6

129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

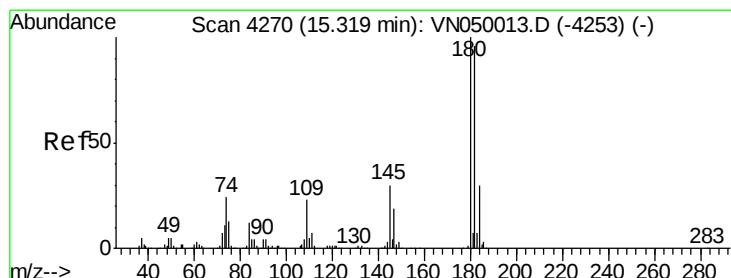
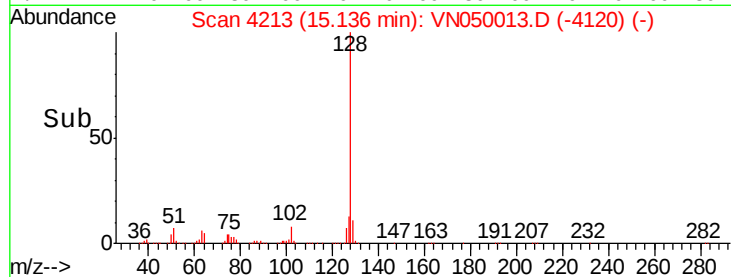
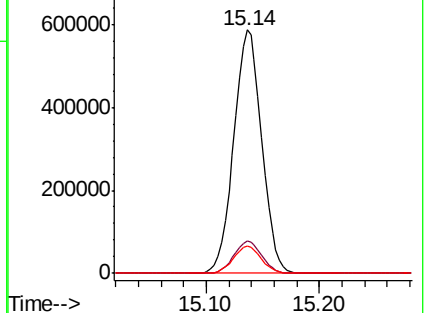
7/26/2018 1:50:52 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.51 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050013.D

Acq: 23 Jul 2018 18:47

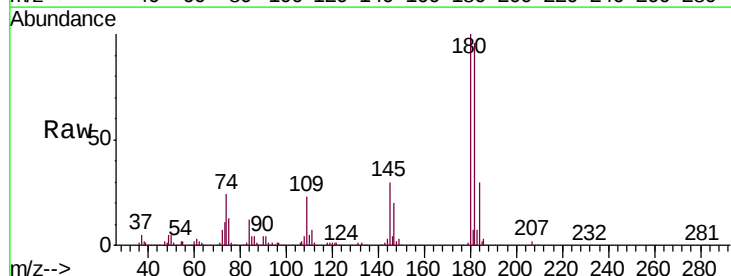
Tgt Ion:180 Resp: 434532

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 30.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

