

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050837.D
 Acq On : 23 Aug 2018 8:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 10:40:28 AM

Quant Time: Aug 24 01:17:58 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	457596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400182	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	380750	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.09	98	1462106	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	487788	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	492530	52.51	ug/l	100
3) Chloromethane	2.06	50	527694	45.61	ug/l	99
4) Vinyl Chloride	2.18	62	534007	48.72	ug/l	100
5) Bromomethane	2.56	94	300720	48.24	ug/l	97
6) Chloroethane	2.70	64	298167	47.09	ug/l	98
7) Trichlorofluoromethane	3.01	101	687830	49.01	ug/l	99
8) Diethyl Ether	3.41	74	230673	48.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	431847	49.25	ug/l	99
10) Methyl Iodide	3.95	142	328360	43.60	ug/l	100
11) Tert butyl alcohol	4.79	59	121032	225.25	ug/l	99
12) 1,1-Dichloroethene	3.73	96	386905	49.15	ug/l	98
13) Acrolein	3.61	56	58902	192.19	ug/l	97
14) Allyl chloride	4.32	41	602388	49.11	ug/l	99
15) Acrylonitrile	4.99	53	648685	237.55	ug/l	100
16) Acetone	3.82	43	478454	239.14	ug/l	99
17) Carbon Disulfide	4.05	76	1187318	44.99	ug/l	100
18) Methyl Acetate	4.33	43	360841	45.29	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1009601	50.98	ug/l	99
20) Methylene Chloride	4.55	84	440313	46.30	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	415544	48.80	ug/l	98
22) Diisopropyl ether	5.95	45	1261103	51.59	ug/l	99
23) Vinyl Acetate	5.90	43	4016434	255.11	ug/l	100
24) 1,1-Dichloroethane	5.85	63	758796	48.35	ug/l	99
25) 2-Butanone	6.84	43	734330	215.95	ug/l	99
26) 2,2-Dichloropropane	6.82	77	613859	48.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	457469	49.84	ug/l	99
28) Bromochloromethane	7.20	49	318782	47.80	ug/l	100
29) Tetrahydrofuran	7.21	42	479522	245.95	ug/l	99
30) Chloroform	7.37	83	752215	48.40	ug/l	99
31) Cyclohexane	7.65	56	693620	48.64	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	649640	48.66	ug/l	99
36) 1,1-Dichloropropene	7.79	75	597536	52.08	ug/l	100
37) Ethyl Acetate	6.93	43	322864	48.99	ug/l	99
38) Carbon Tetrachloride	7.77	117	585707	50.50	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668802	53.88	ug/l	98
40) Benzene	8.04	78	1770201	51.17	ug/l	100
41) Methacrylonitrile	7.17	41	177931	49.89	ug/l	98
42) 1,2-Dichloroethane	8.12	62	521527	50.42	ug/l	100
43) Isopropyl Acetate	8.17	43	588914	51.97	ug/l #	89
44) Trichloroethene	8.84	130	464012	50.85	ug/l	98
45) 1,2-Dichloropropane	9.12	63	457230	50.28	ug/l	100
46) Dibromomethane	9.21	93	267739	50.11	ug/l	100
47) Bromodichloromethane	9.40	83	573889	51.28	ug/l	99
48) Methyl methacrylate	9.20	41	296483	51.34	ug/l	99
49) 1,4-Dioxane	9.20	88	79586	1010.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1624019	240.16	ug/l	99
52) Toluene	10.16	92	1095412	53.45	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	577524	51.85	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	683035	53.55	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	380766	50.06	ug/l	99
56) Ethyl methacrylate	10.43	69	461829	46.83	ug/l	98
57) 1,3-Dichloropropane	10.71	76	641698	51.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1009107	234.50	ug/l	100
59) 2-Hexanone	10.75	43	1081522	240.24	ug/l	99
60) Dibromochloromethane	10.90	129	438915	51.53	ug/l	99
61) 1,2-Dibromoethane	11.01	107	377522	51.32	ug/l	100
64) Tetrachloroethene	10.63	164	420278	49.66	ug/l	99
65) Chlorobenzene	11.43	112	1186563	50.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	438092	51.41	ug/l	99
67) Ethyl Benzene	11.51	91	2041751	53.92	ug/l	100
68) m/p-Xylenes	11.62	106	1599576	111.30	ug/l	100
69) o-Xylene	11.95	106	754981	54.64	ug/l	100
70) Styrene	11.96	104	1220818	50.13	ug/l	100
71) Bromoform	12.13	173	298841	50.99	ug/l #	100
73) Isopropylbenzene	12.25	105	2014505	53.17	ug/l	100
74) N-amyl acetate	12.07	43	482199	50.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	464493	51.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	368079m	45.92	ug/l	
77) Bromobenzene	12.53	156	500353	48.59	ug/l	99
78) n-propylbenzene	12.59	91	2292524	54.16	ug/l	99
79) 2-Chlorotoluene	12.67	91	1348862	51.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1646916	53.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	118889	50.15	ug/l	96
82) 4-Chlorotoluene	12.77	91	1353860	52.01	ug/l	99
83) tert-Butylbenzene	12.99	119	1397865	52.79	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1664459	54.12	ug/l	99
85) sec-Butylbenzene	13.17	105	1866922	53.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	1647852	55.74	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	880745	50.40	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	845749	49.18	ug/l	100
89) n-Butylbenzene	13.62	91	1313286	55.54	ug/l	99
90) Hexachloroethane	13.87	117	291183	51.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838875	49.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62026	45.58	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	403306	46.31	ug/l	99
94) Hexachlorobutadiene	15.01	225	264512	52.99	ug/l	100
95) Naphthalene	15.13	128	775539	43.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388272	47.41	ug/l	100

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

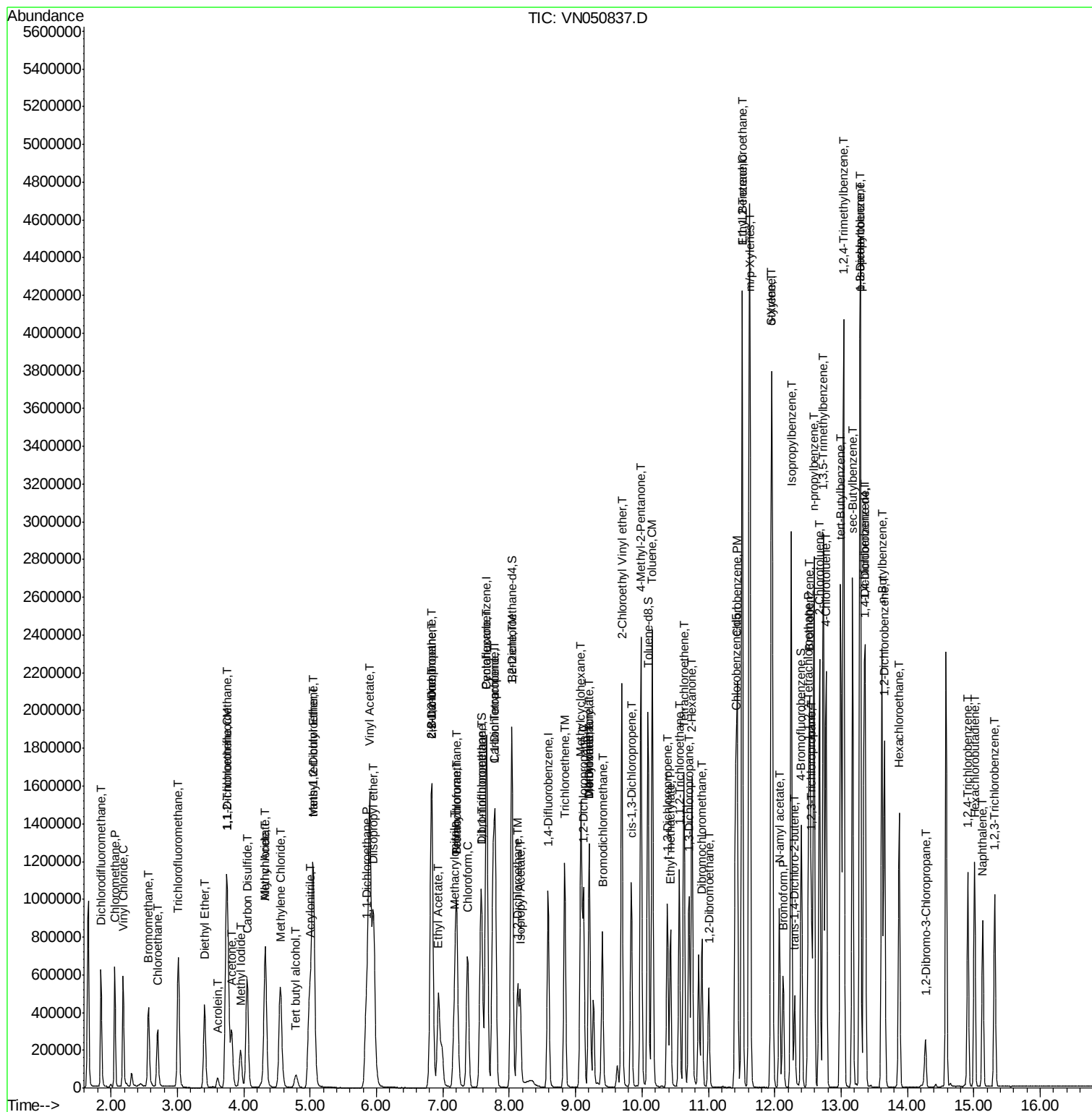
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
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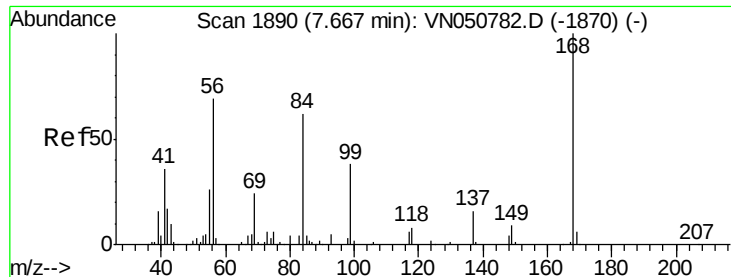
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 700927

Ion Ratio Lower Upper

168 100

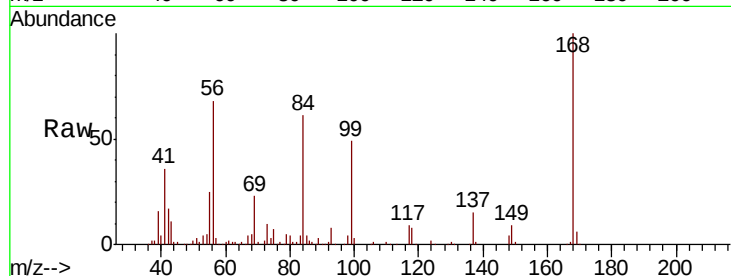
99 48.5 39.6 59.4

Manual Integrations

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8/24/2018 10:40:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

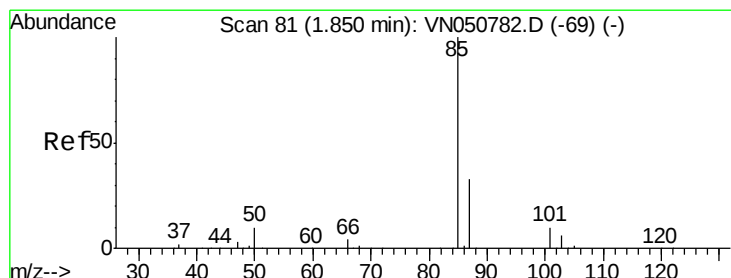
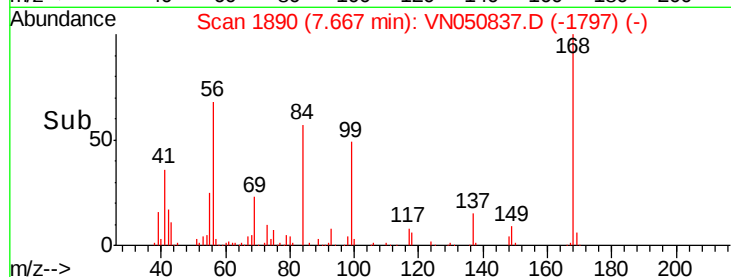
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.51 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050837.D

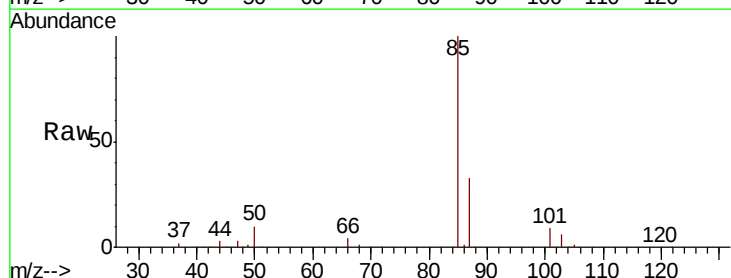
Acq: 23 Aug 2018 8:31

Tgt Ion: 85 Resp: 492530

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

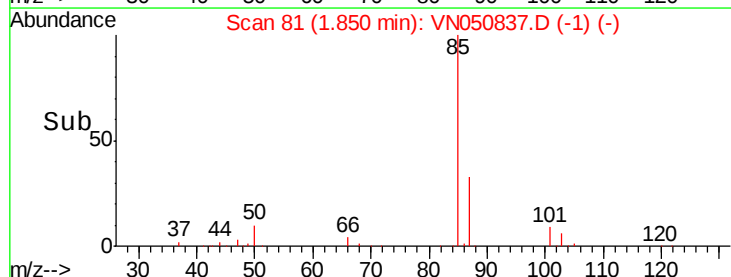
300000

200000

100000

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Time-->





#3

Chloromethane

Concen: 45.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 527694

Ion Ratio Lower Upper

50 100

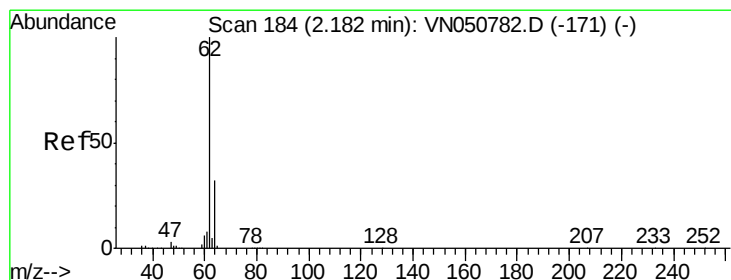
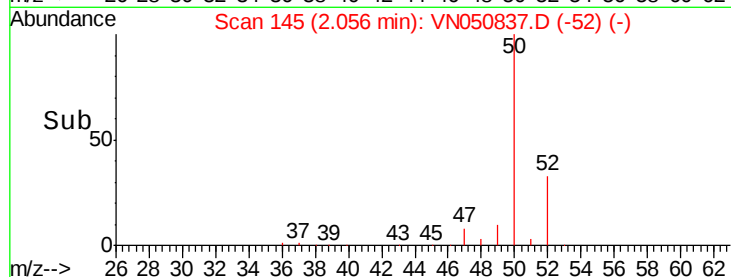
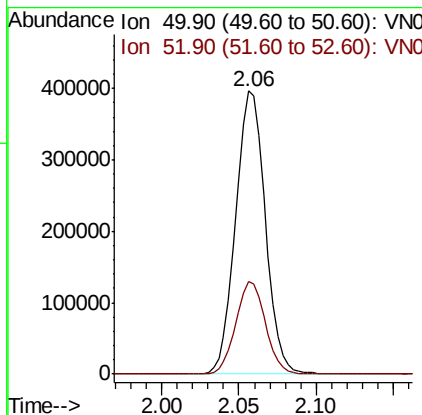
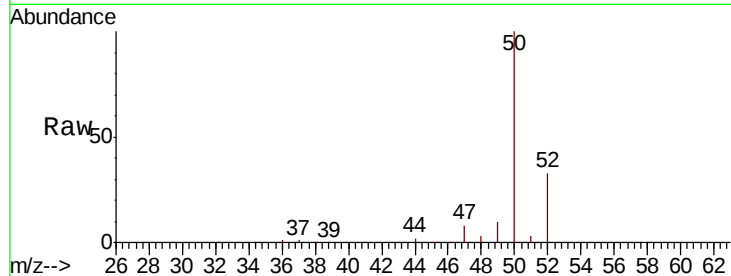
52 32.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.72 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050837.D

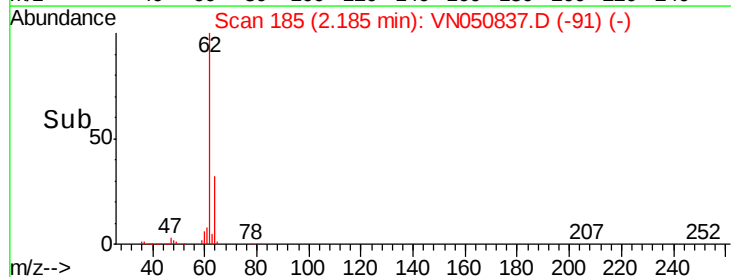
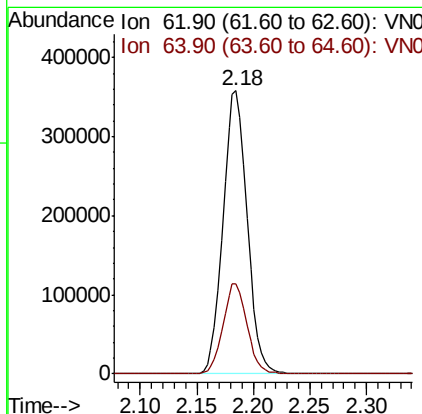
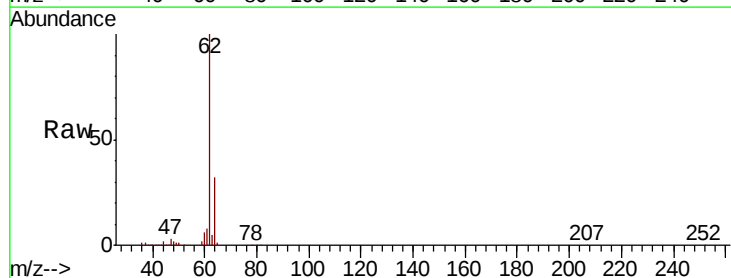
Acq: 23 Aug 2018 8:31

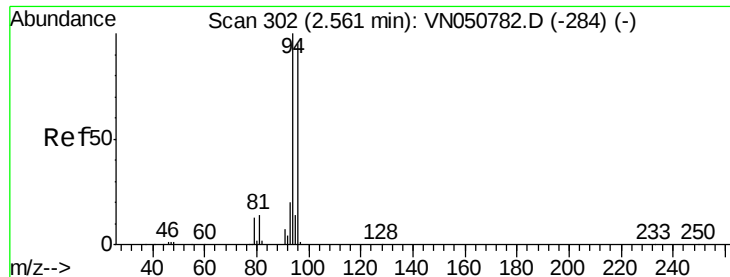
Tgt Ion: 62 Resp: 534007

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 48.24 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 300720

Ion Ratio Lower Upper

94 100

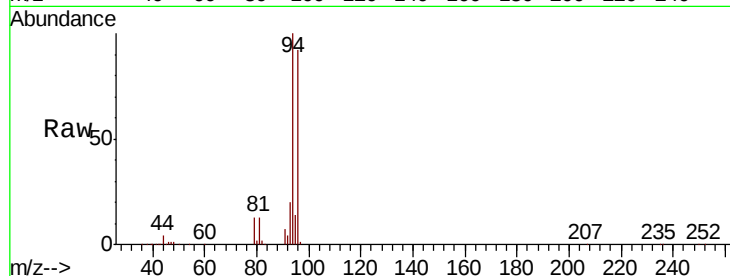
96 92.3 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

8/24/2018 10:40:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

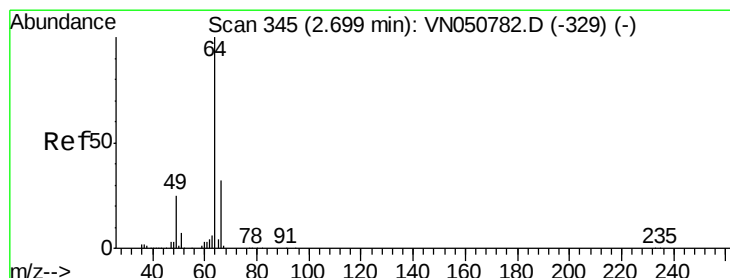
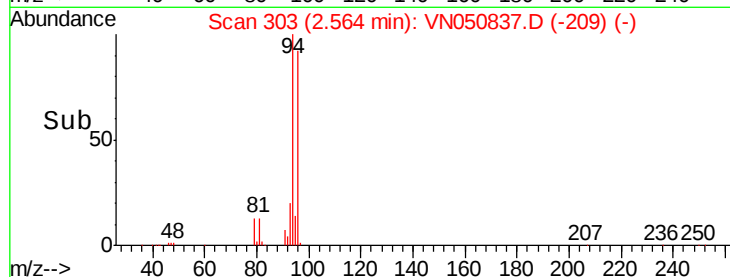
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.09 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050837.D

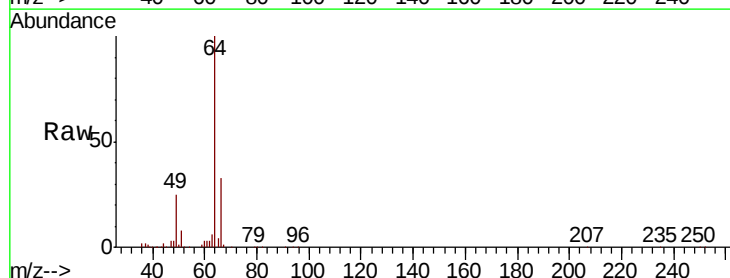
Acq: 23 Aug 2018 8:31

Tgt Ion: 64 Resp: 298167

Ion Ratio Lower Upper

64 100

66 32.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

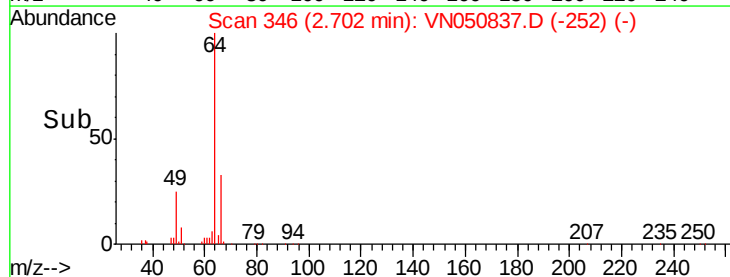
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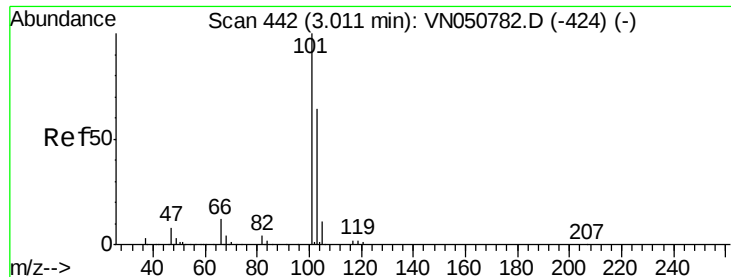
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 49.01 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

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Tot Ion:101 Resp: 687830

Ion Ratio Lower Upper

101 100

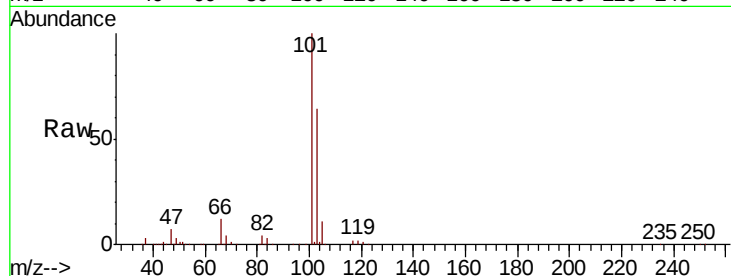
103 63.9 51.6 77.4

Manual Integrations

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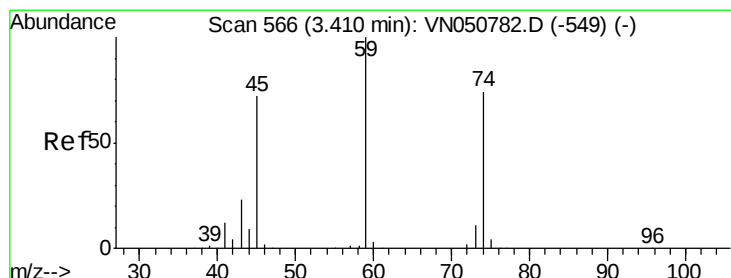
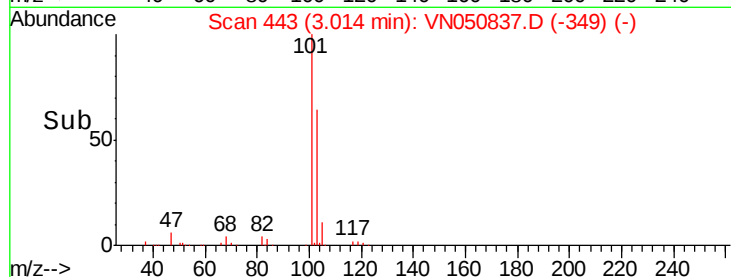
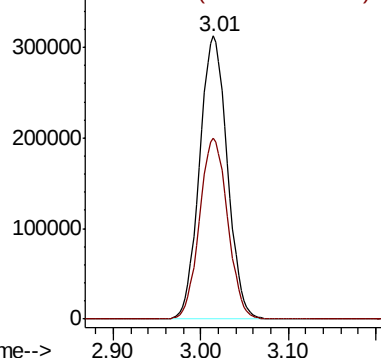
MMDadoda

8/24/2018 10:40:28 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.34 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050837.D

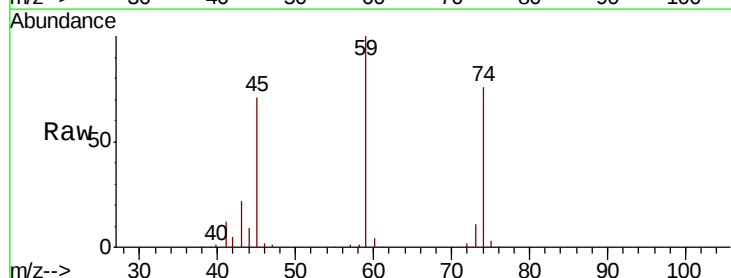
Acq: 23 Aug 2018 8:31

Tgt Ion: 74 Resp: 230673

Ion Ratio Lower Upper

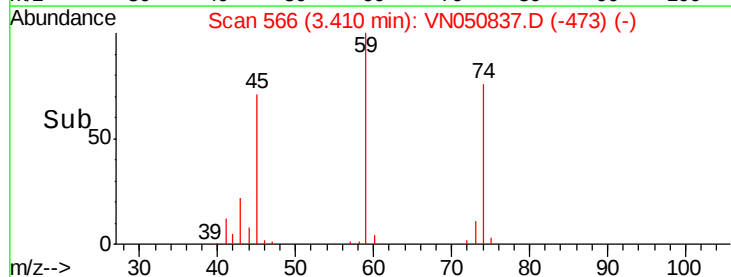
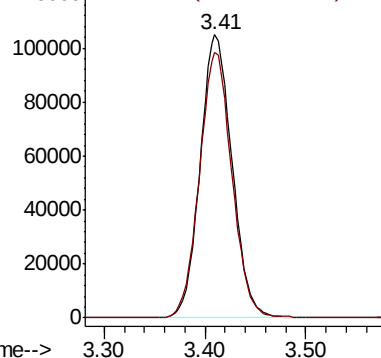
74 100

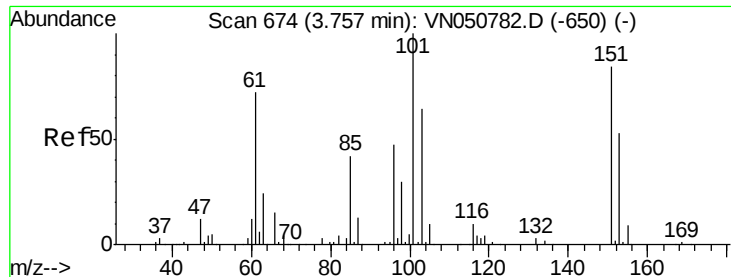
45 95.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.25 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

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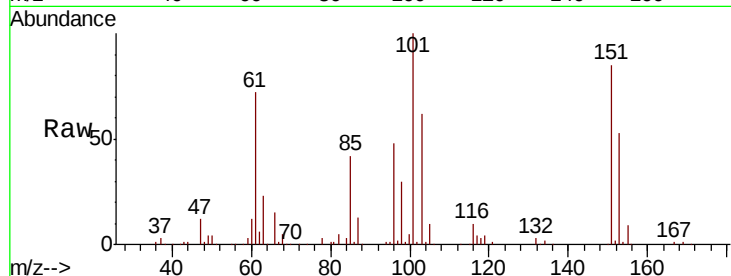
ClientSampleId :

VSTDCCC050

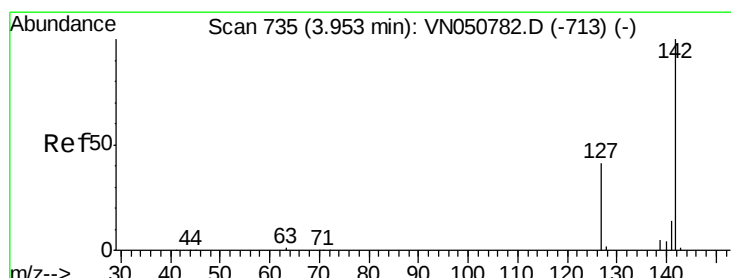
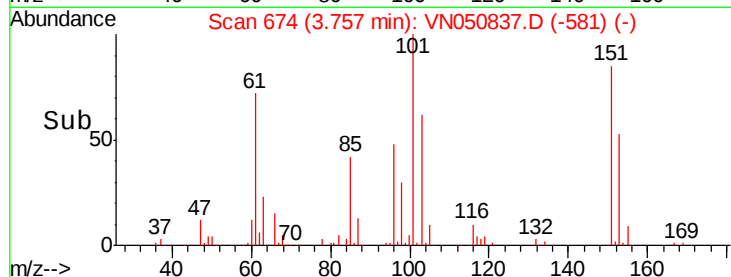
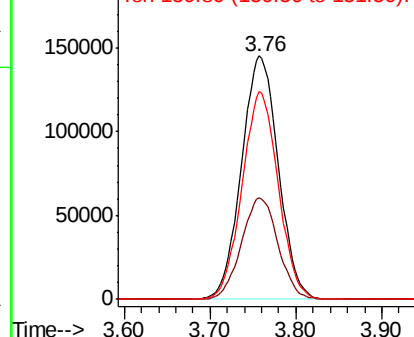
Tot Ion:	101	Resp:	431847
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.7	50.5
151	83.8	67.4	101.2

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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: 43.60 ug/l

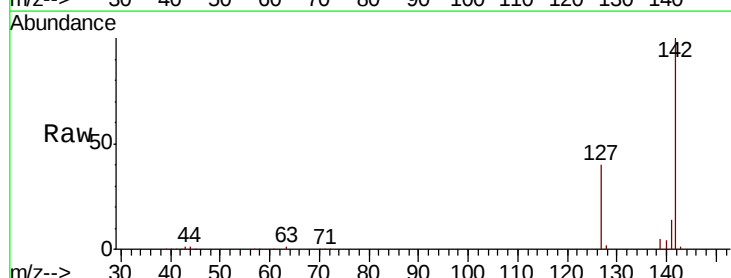
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

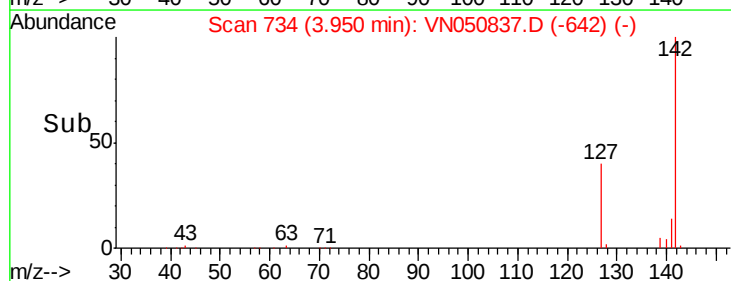
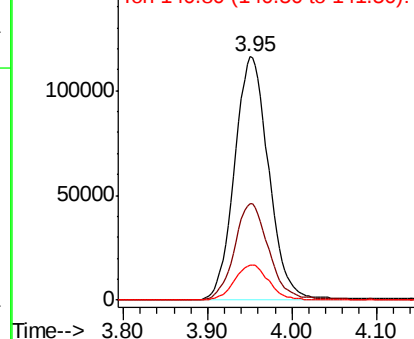
Lab File: VN050837.D

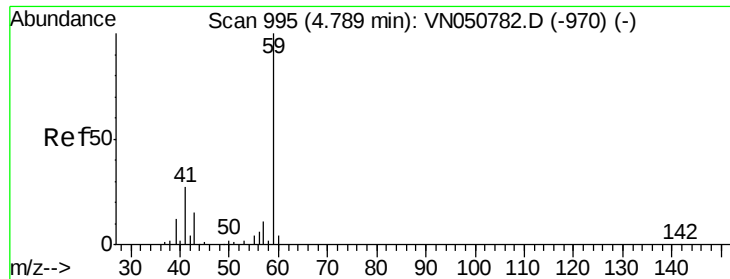
Acq: 23 Aug 2018 8:31

Tgt Ion:	142	Resp:	328360
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.7	47.5
141	14.6	11.4	17.0



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





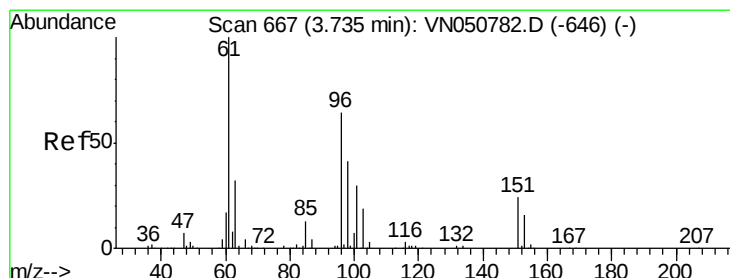
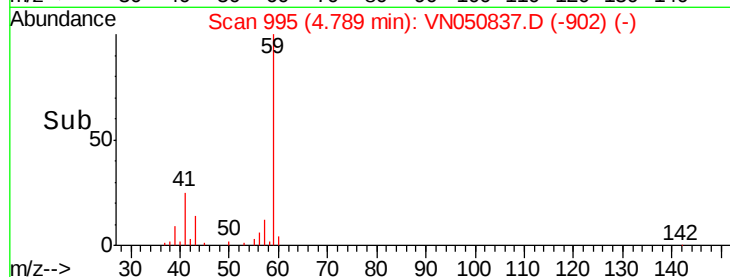
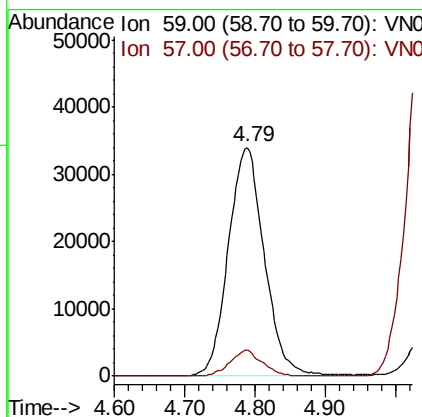
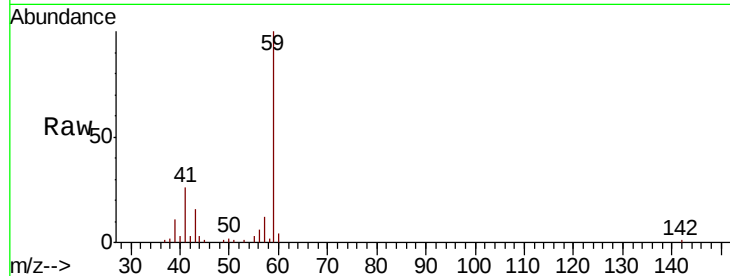
#11
Tert butyl alcohol
Concen: 225.25 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	121032
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

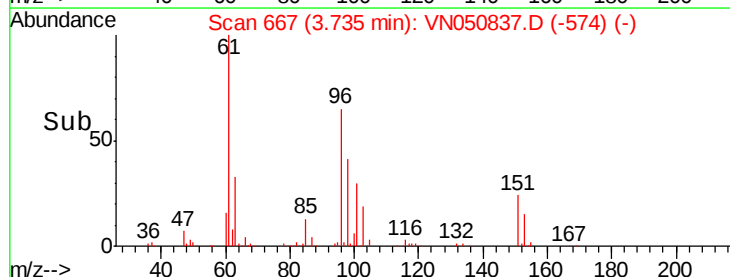
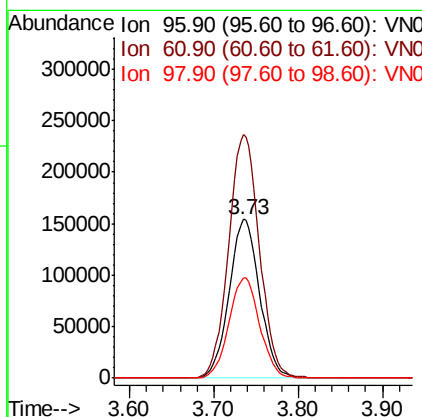
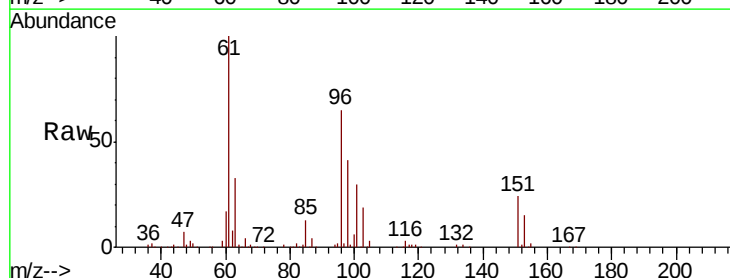
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#12
1,1-Dichloroethene
Concen: 49.15 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	96	Resp	386905
Ion Ratio	100	Lower	Upper
61	153.5	124.9	187.3
98	63.0	51.1	76.7





#13

Acrolein

Concen: 192.19 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 58902

Ion Ratio Lower Upper

56 100

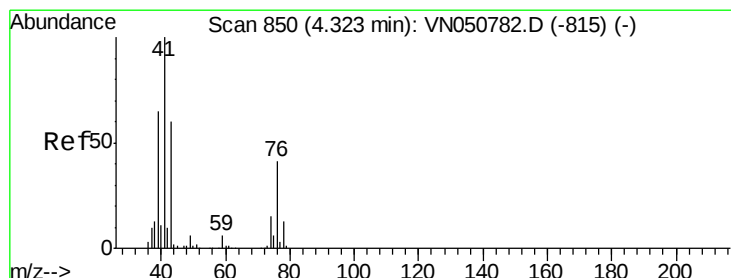
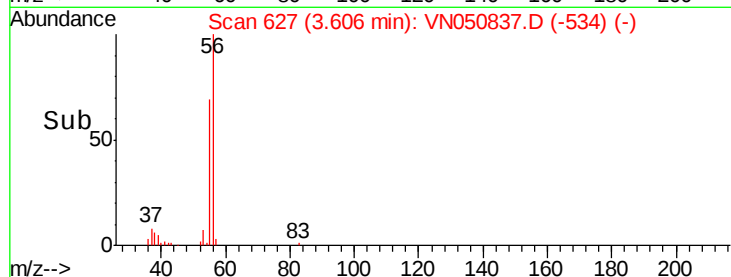
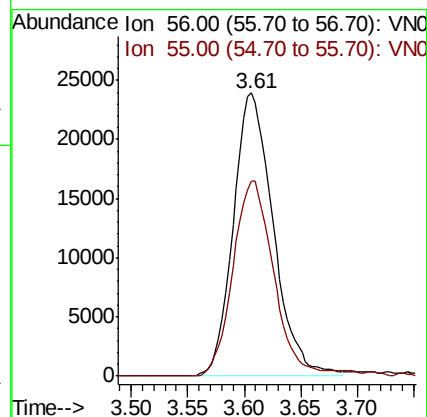
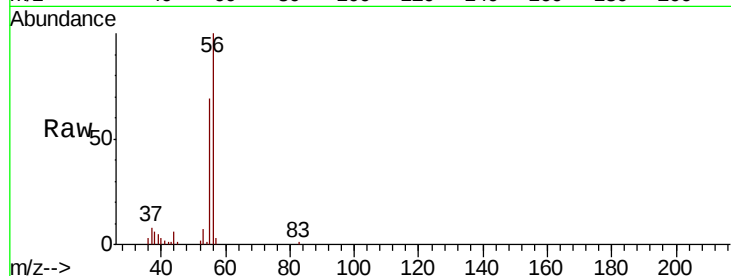
55 69.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 49.11 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

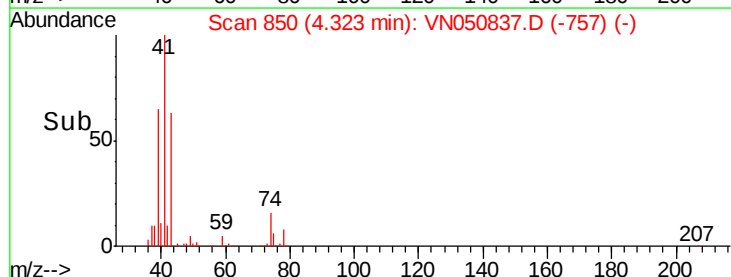
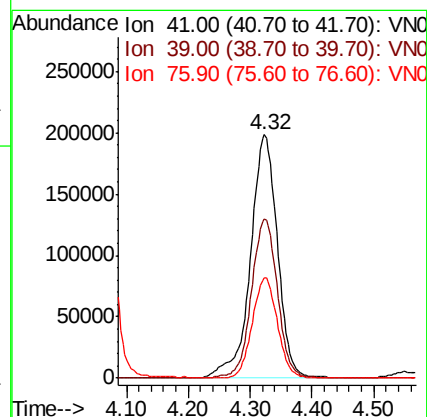
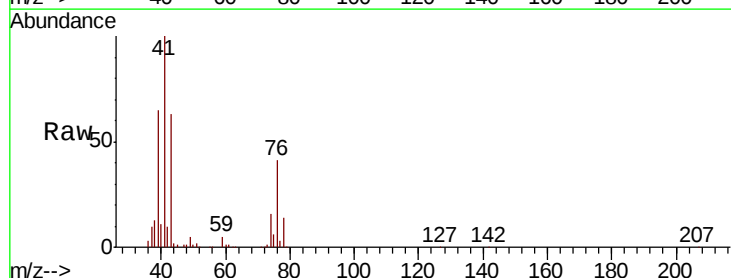
Tgt Ion: 41 Resp: 602388

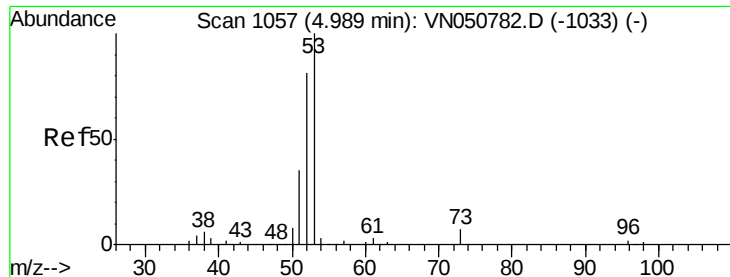
Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2

76 37.8 29.8 44.8





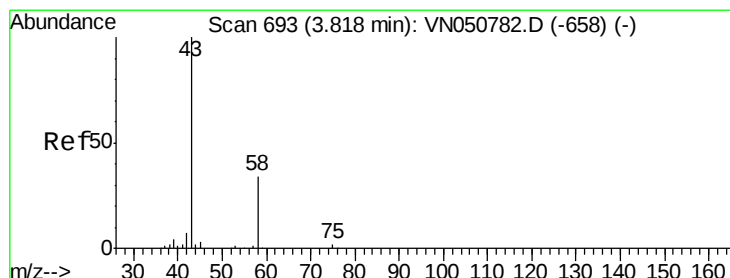
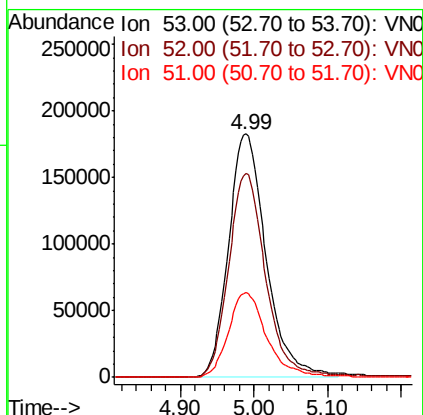
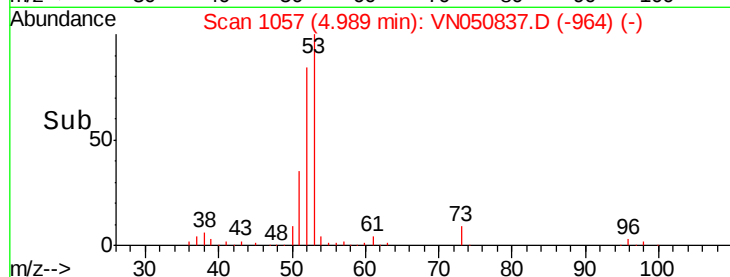
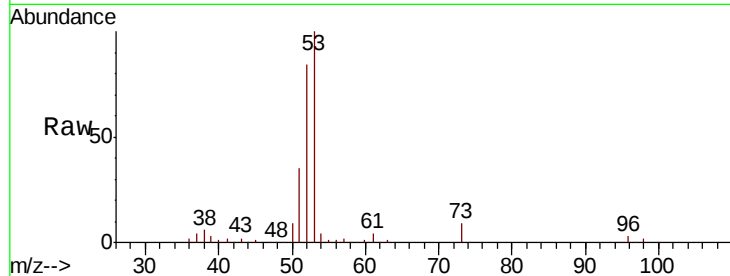
#15
 Acrylonitrile
 Concen: 237.55 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	648685
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.9	98.9
51	35.9	28.6	43.0

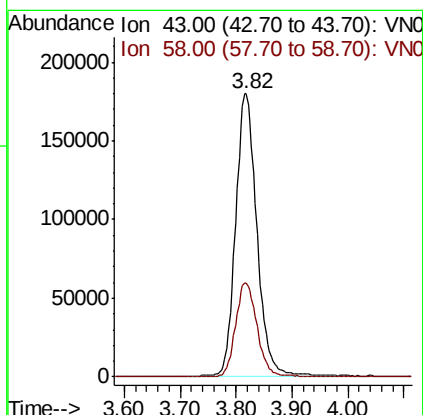
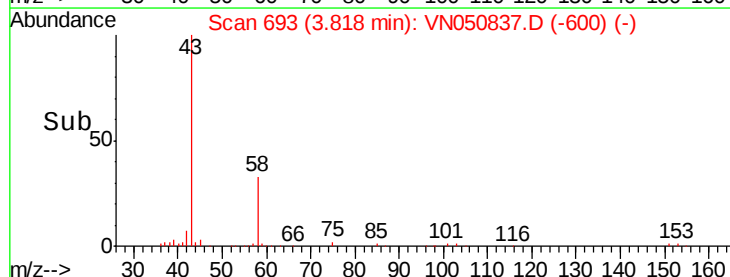
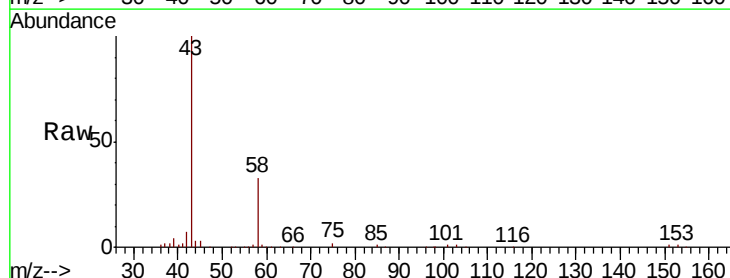
Manual Integrations
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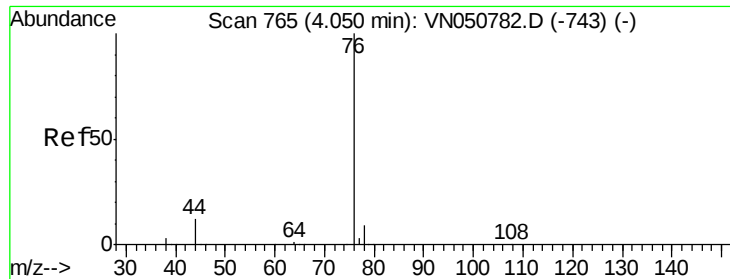
MMDadoda
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#16
 Acetone
 Concen: 239.14 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion:	43	Resp:	478454
Ion Ratio	Lower	Upper	
43	100		
58	33.2	27.2	40.8





#17

Carbon Disulfide

Concen: 44.99 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tot Ion: 76 Resp: 1187318

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

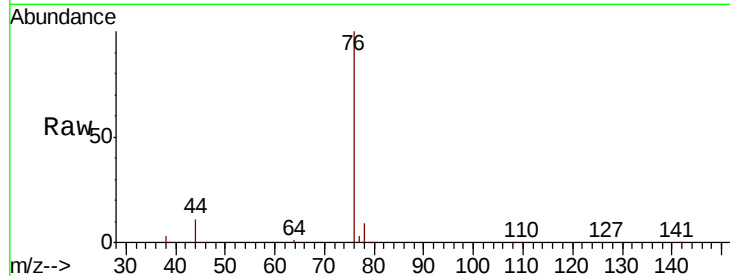
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

500000

400000

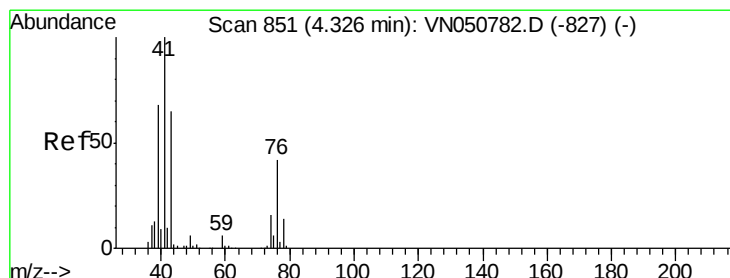
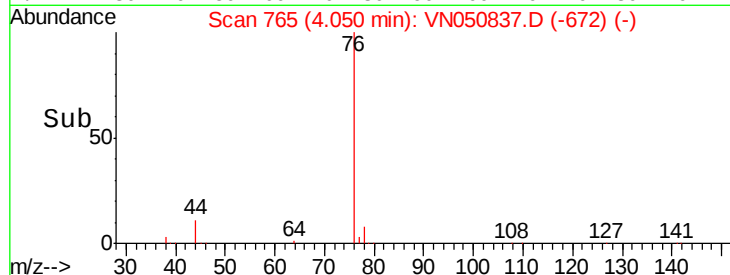
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.29 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050837.D

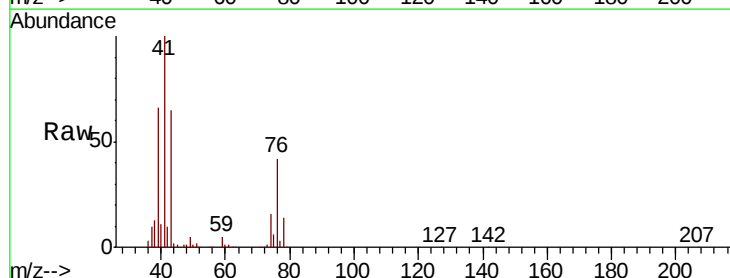
Acq: 23 Aug 2018 8:31

Tgt Ion: 43 Resp: 360841

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

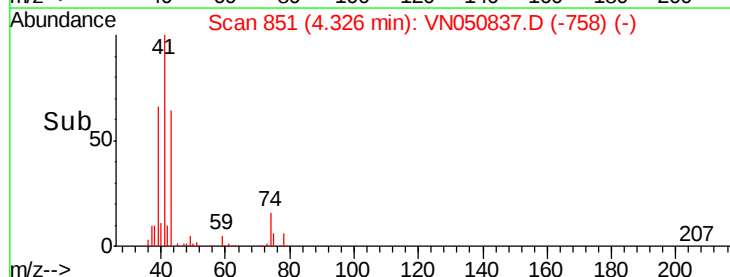
150000

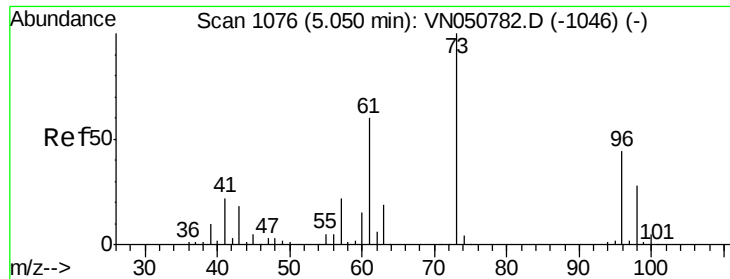
100000

50000

0

Time-->





#19

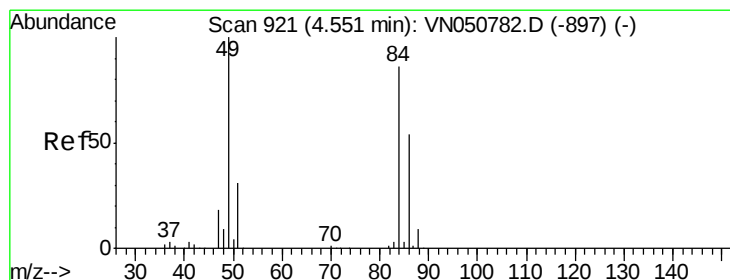
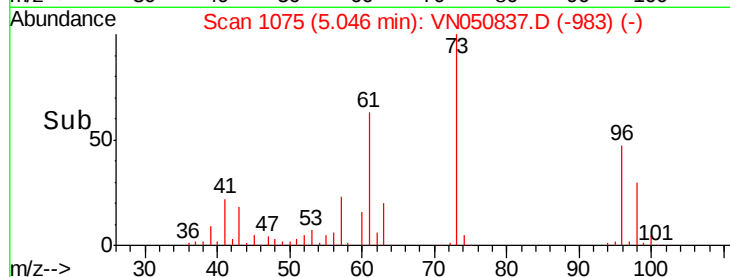
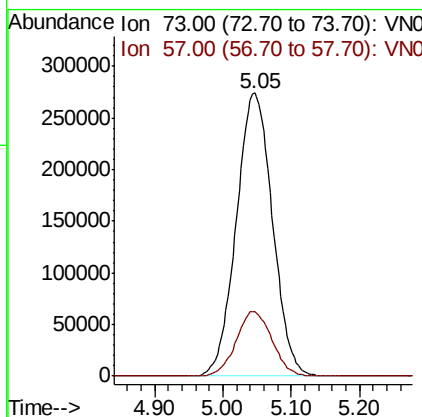
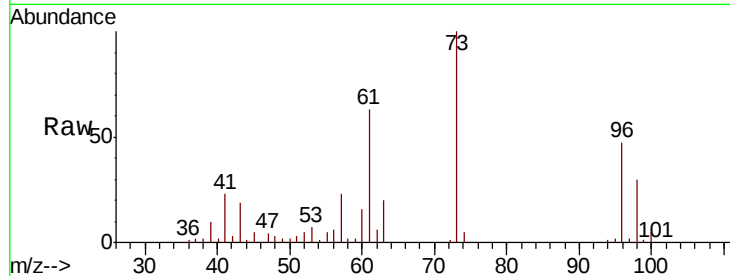
Methyl tert-butyl Ether
 Concen: 50.98 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1009601
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.8 26.8

Manual Integrations
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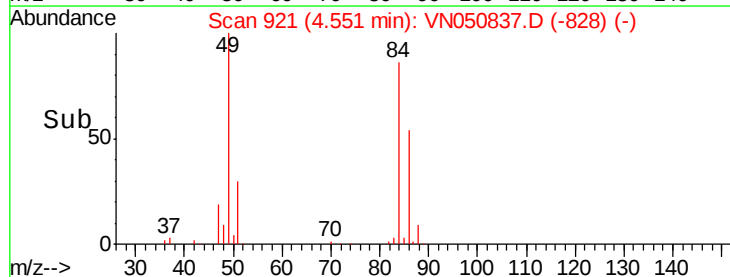
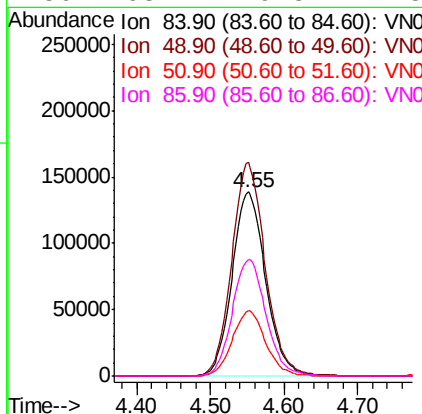
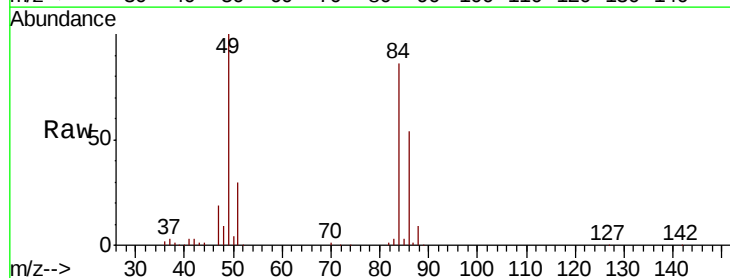
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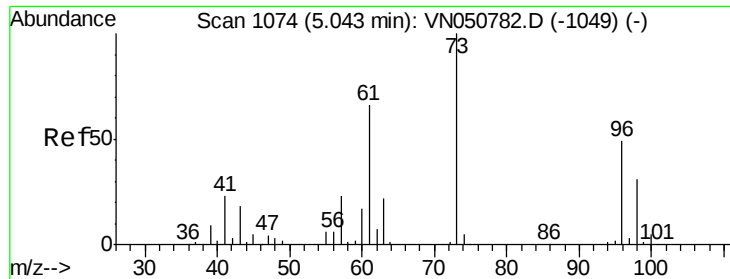


#20

Methylene Chloride
 Concen: 46.30 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 84 Resp: 440313
 Ion Ratio Lower Upper
 84 100
 49 116.1 93.2 139.8
 51 35.3 29.0 43.6
 86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.80 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

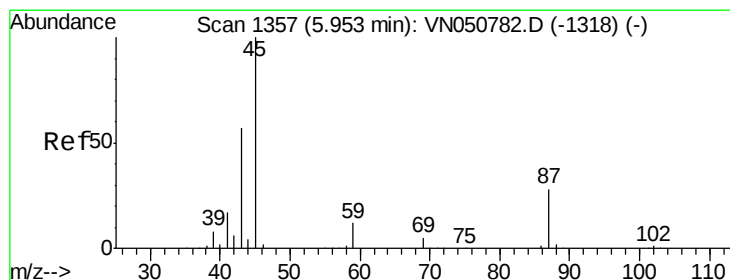
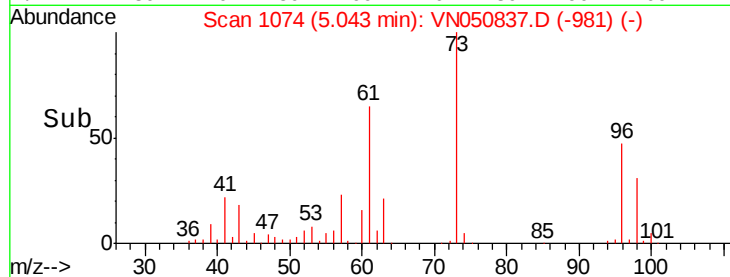
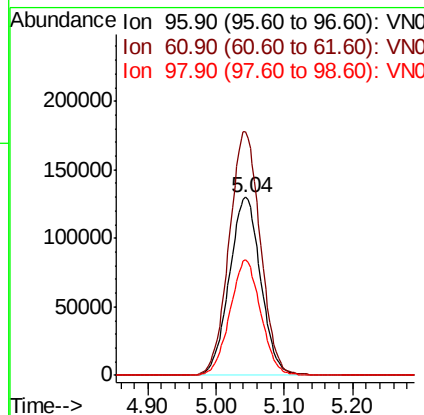
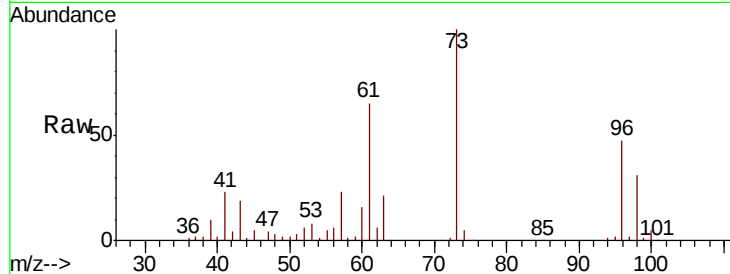
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	107.4	161.0
98	65.2	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.59 ug/l

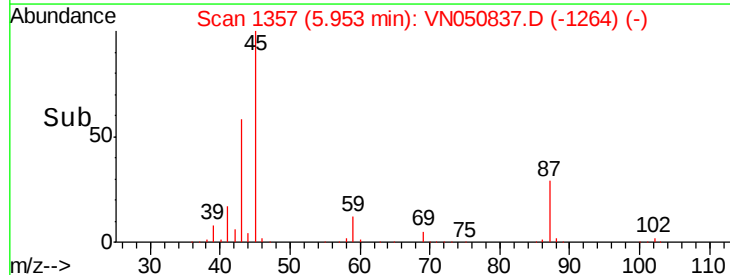
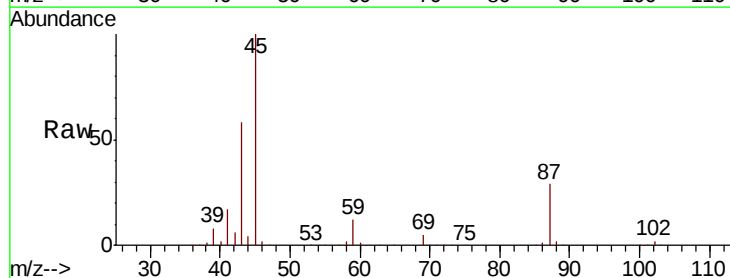
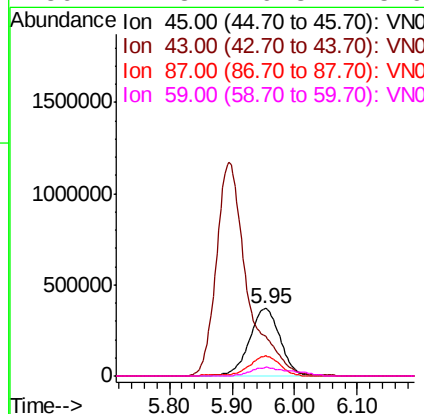
RT: 5.95 min Scan# 1357

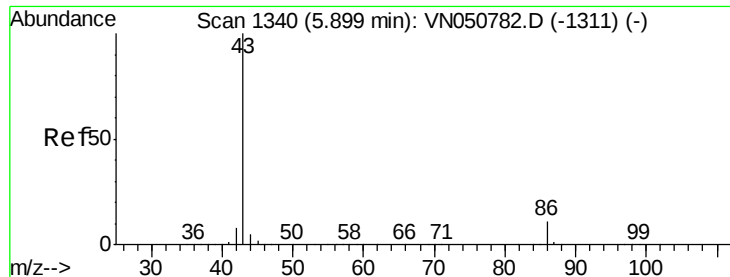
Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.9	68.9
87	29.4	22.7	34.1
59	12.3	9.3	13.9





#23

Vinyl Acetate

Concen: 255.11 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4016434

Ion Ratio Lower Upper

43 100

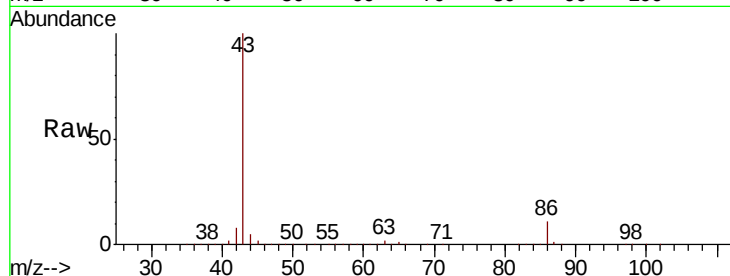
86 11.1 8.7 13.1

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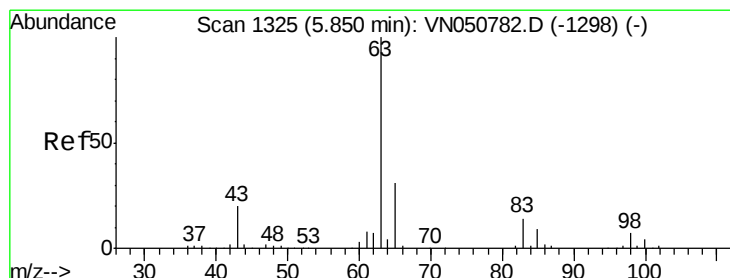
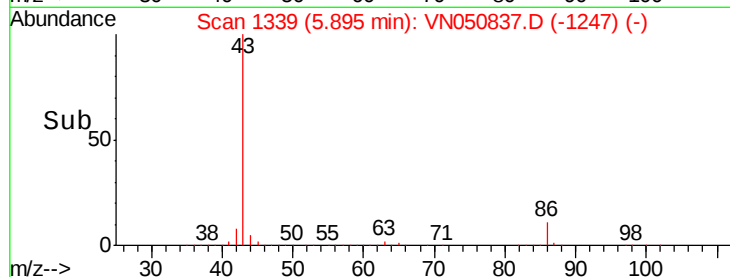
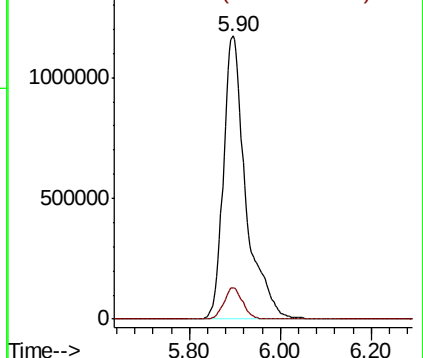
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.35 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

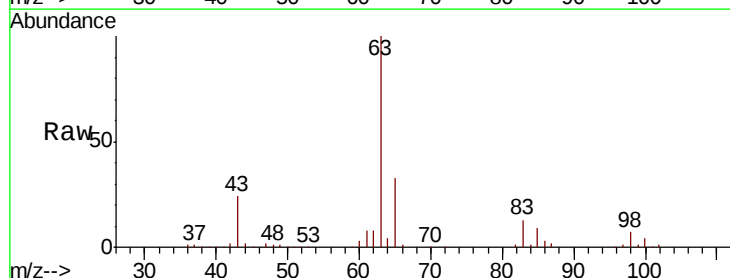
Tgt Ion: 63 Resp: 758796

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

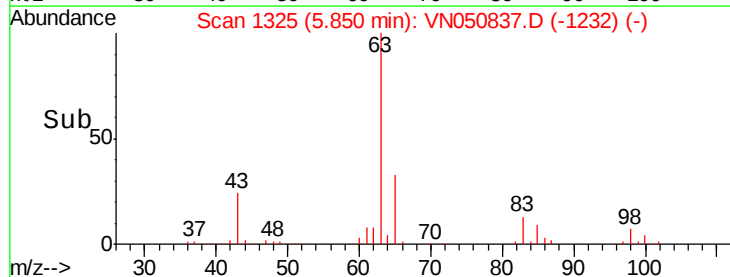
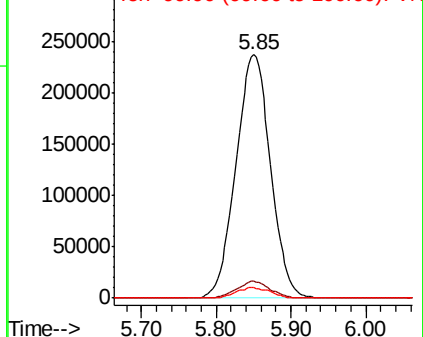
100 4.2 2.1 6.5

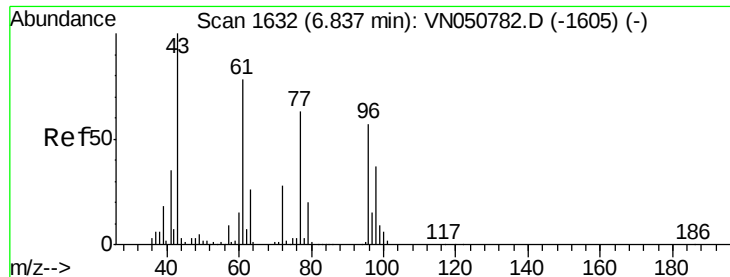


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 215.95 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 734330

Ion Ratio Lower Upper

43 100

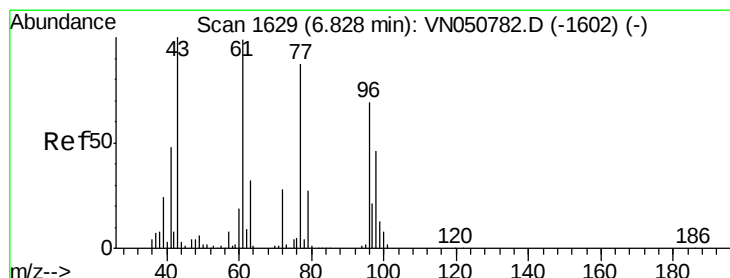
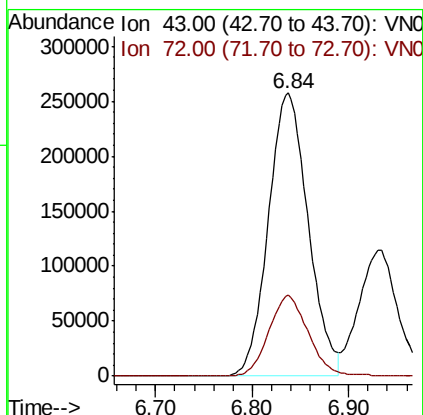
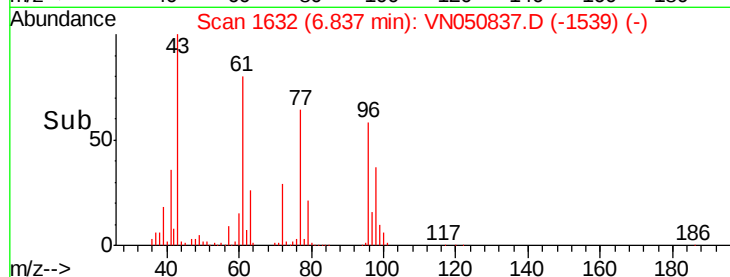
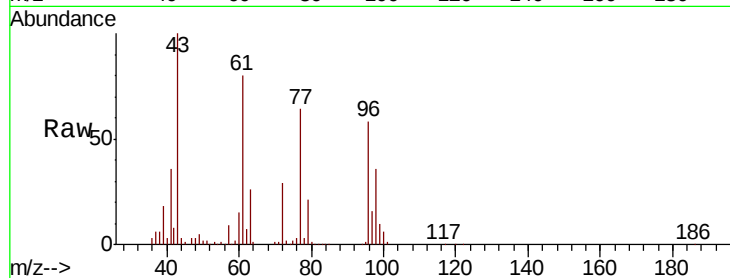
72 28.6 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.68 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050837.D

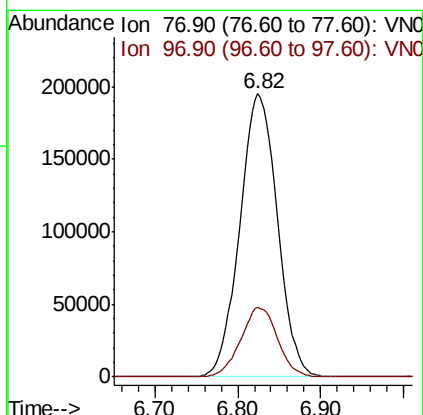
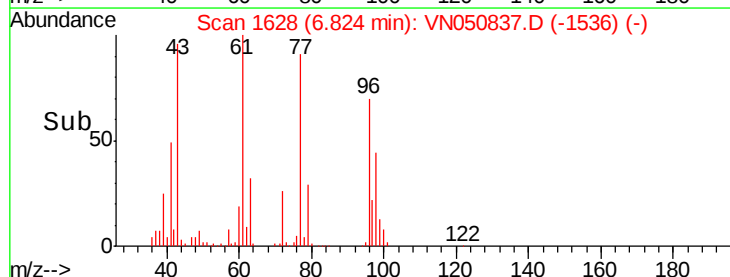
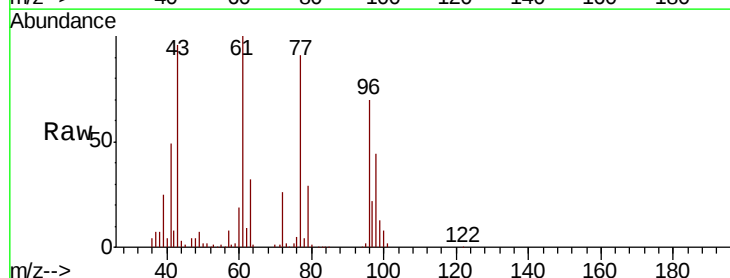
Acq: 23 Aug 2018 8:31

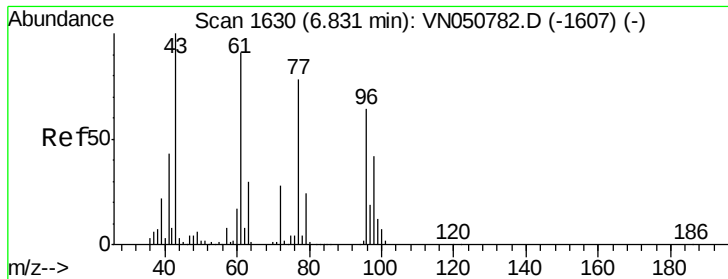
Tgt Ion: 77 Resp: 613859

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

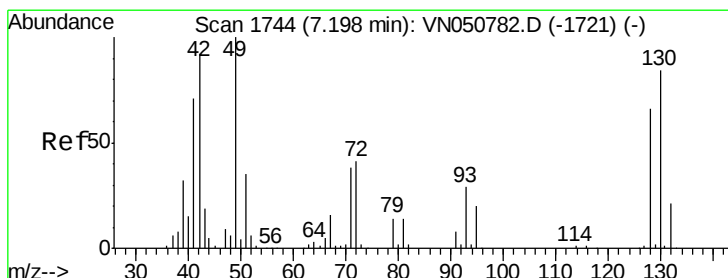
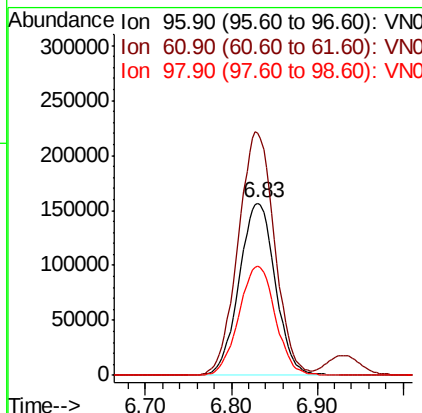
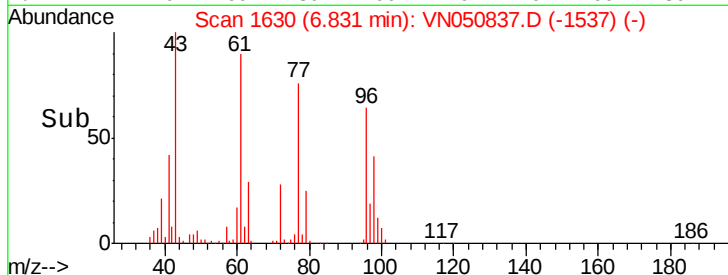
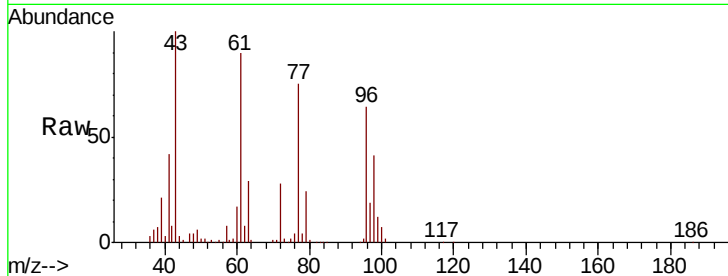
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	457469
Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	283.4
98	64.2	0.0	129.8

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#28

Bromochloromethane

Concen: 47.80 ug/l

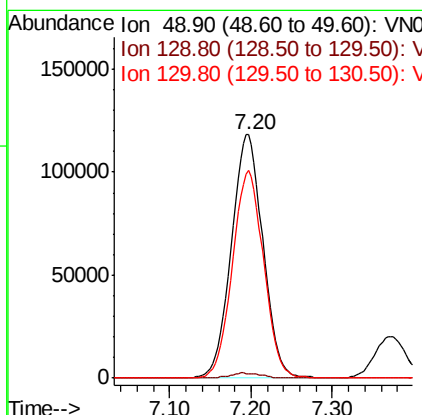
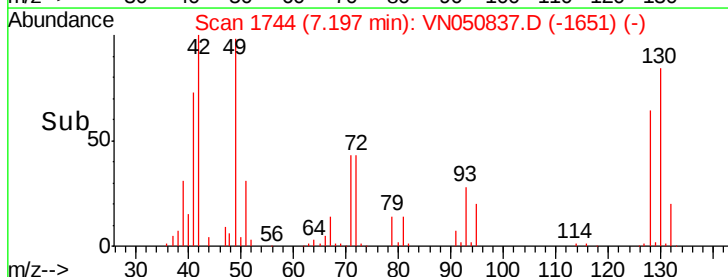
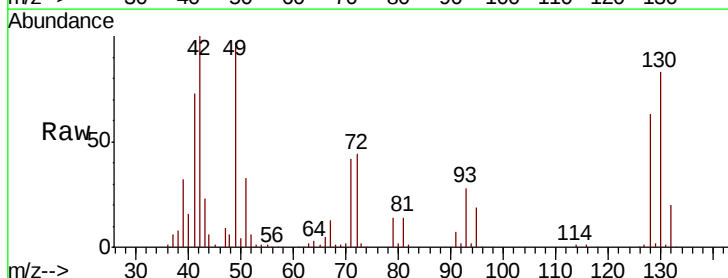
RT: 7.20 min Scan# 1744

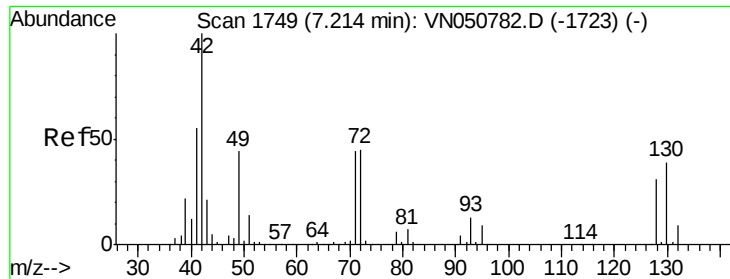
Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion:	49	Resp:	318782
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	67.1	100.7





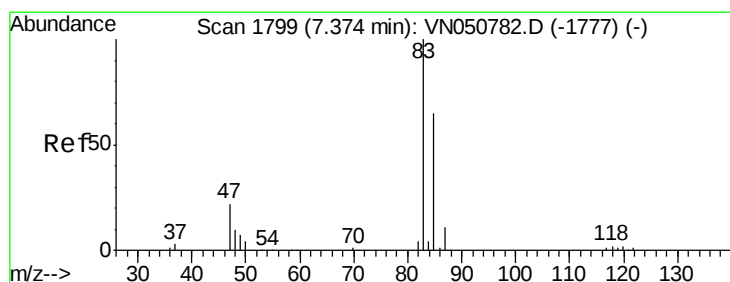
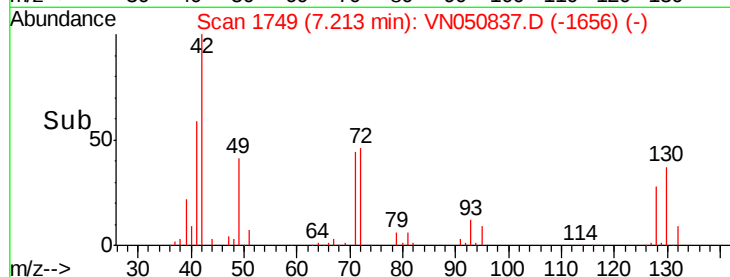
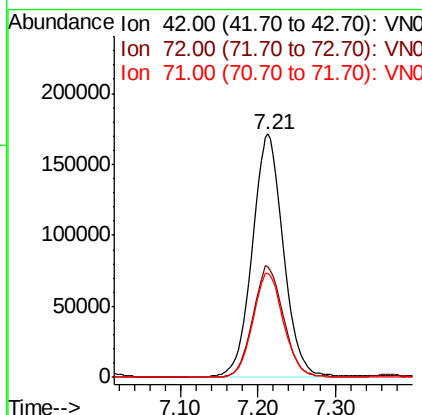
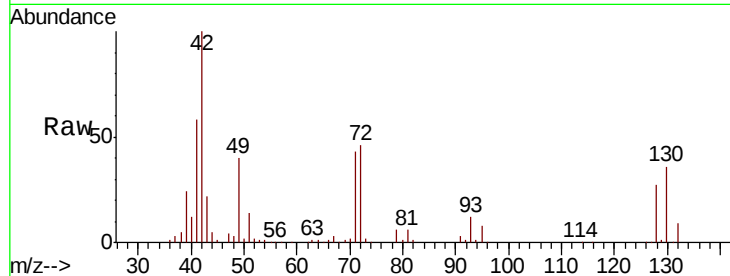
#29
Tetrahydrofuran
Concen: 245.95 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.5	53.3
71	42.7	33.7	50.5

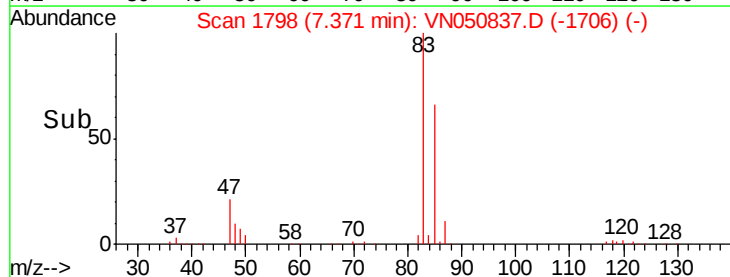
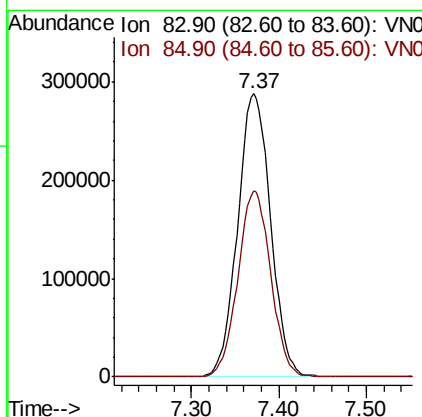
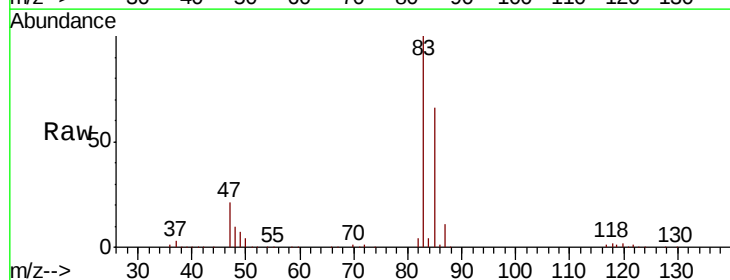
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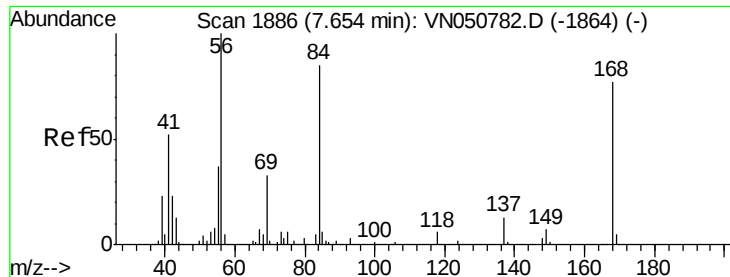
MMDadoda
8/24/2018 10:40:28 AM



#30
Chloroform
Concen: 48.40 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





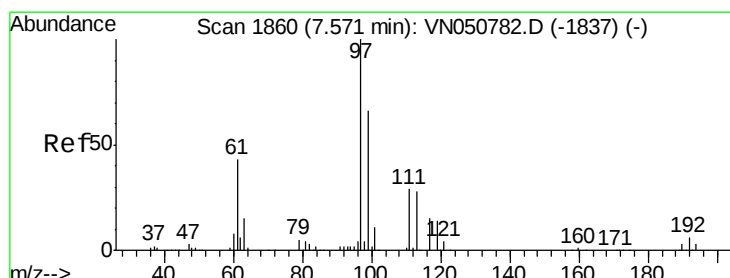
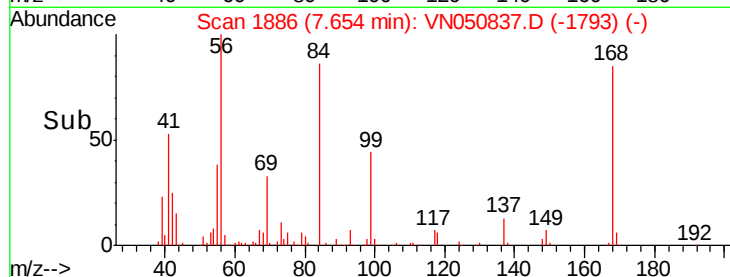
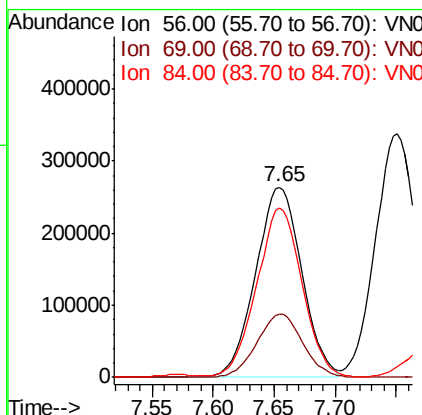
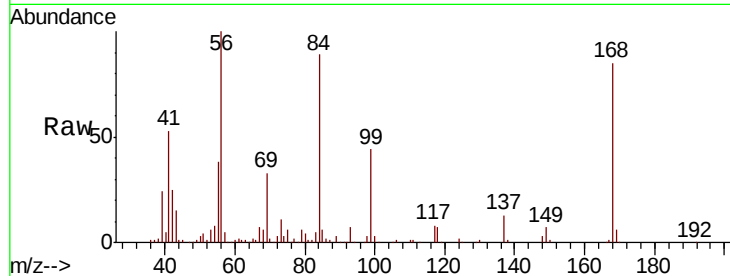
#31
Cyclohexane
Concen: 48.64 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	87.8	68.3	102.5

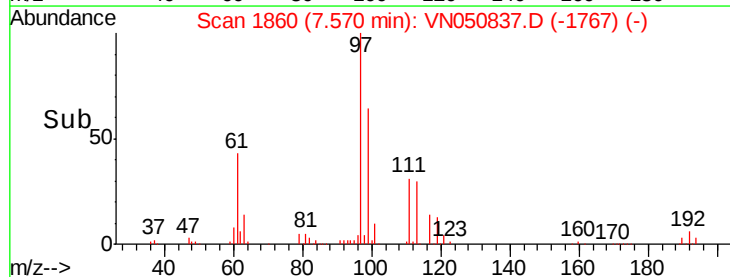
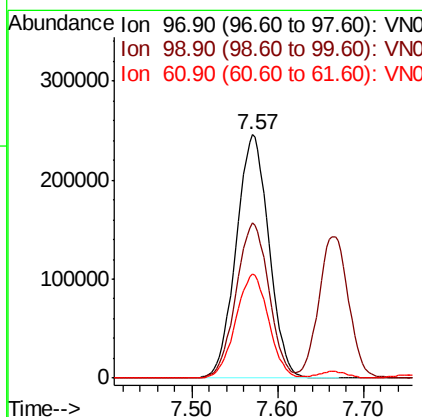
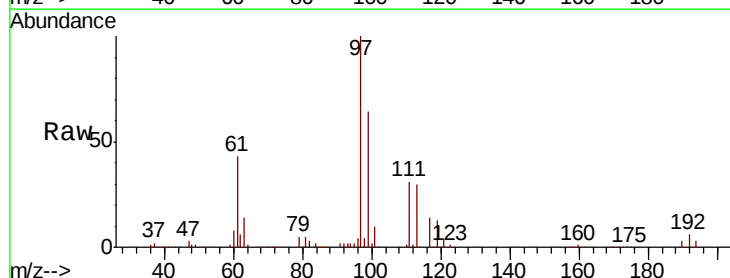
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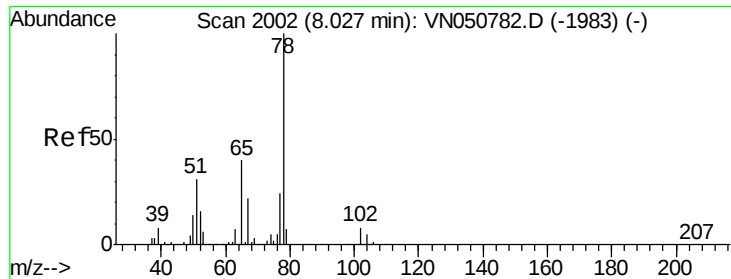
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#32
1,1,1-Trichloroethane
Concen: 48.66 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	43.0	34.9	52.3





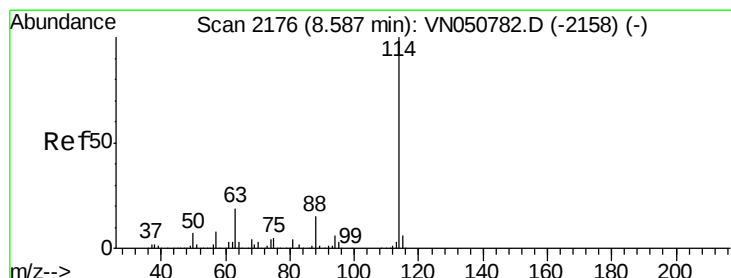
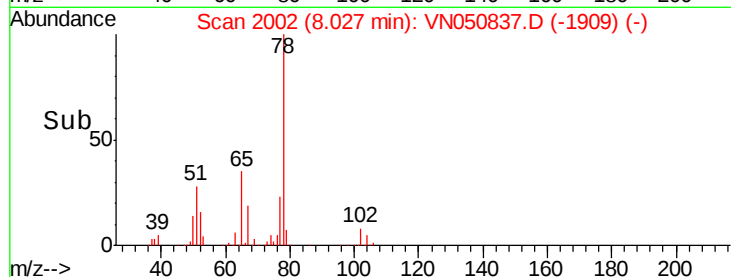
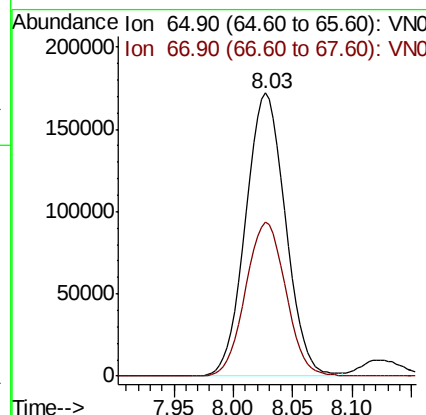
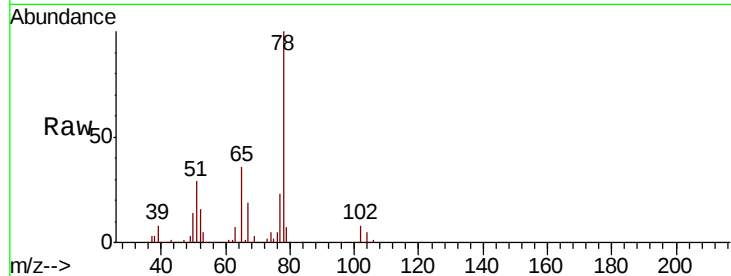
#33
 1,2-Dichloroethane-d4
 Concen: 47.43 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	400182		
67	54.9	0.0	110.4	

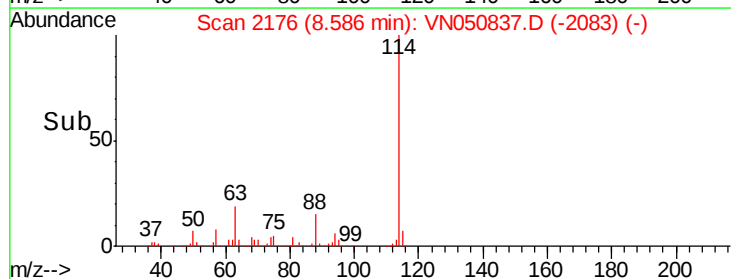
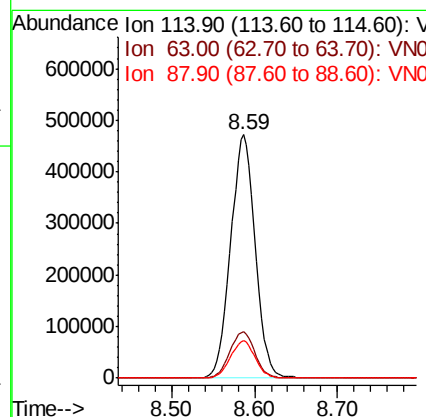
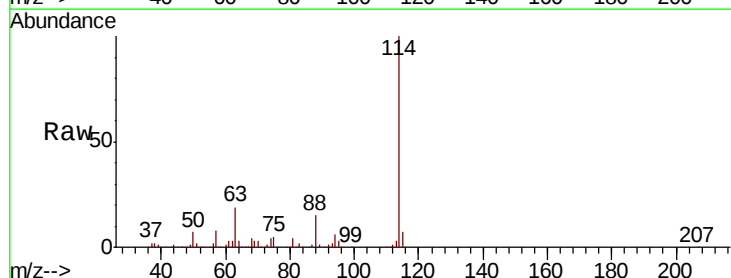
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	972277		
63	18.9	0.0	38.6	
88	15.3	0.0	30.6	





#35

Dibromofluoromethane

Concen: 49.22 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

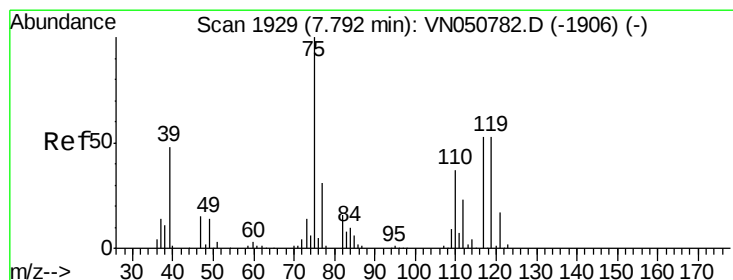
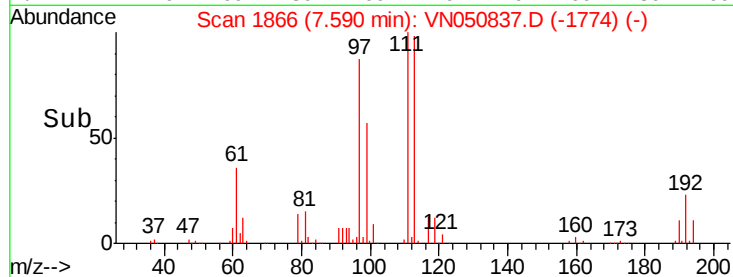
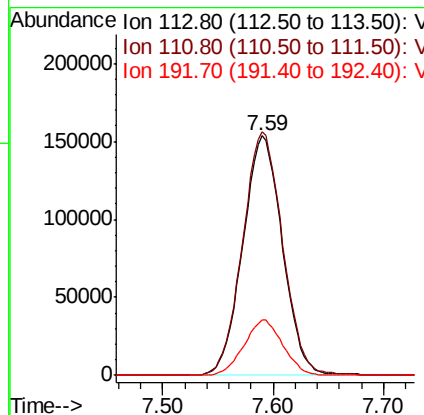
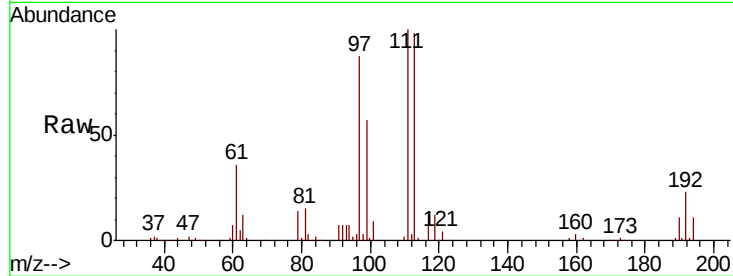
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	380750
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.6	123.8
192	22.8	18.0	27.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.08 ug/l

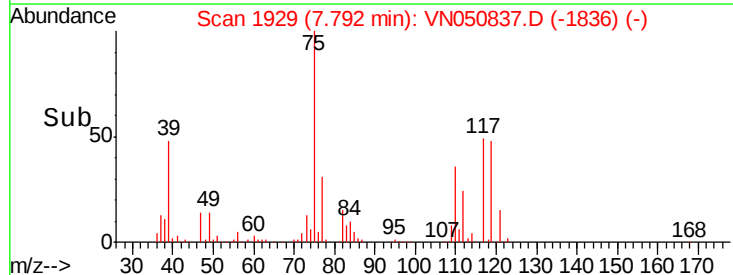
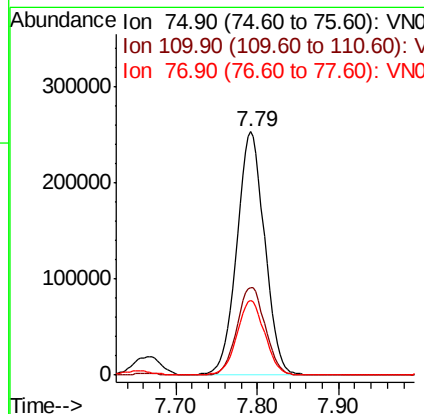
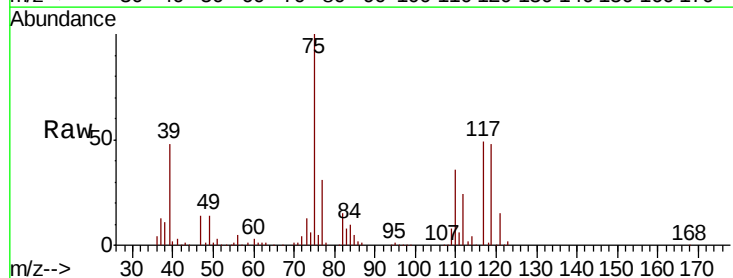
RT: 7.79 min Scan# 1929

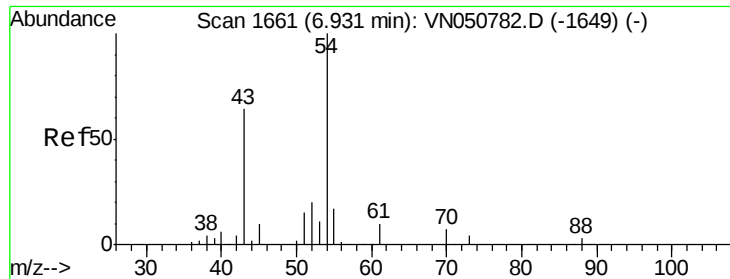
Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion:	75	Resp:	597536
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.4
77	30.9	24.8	37.2





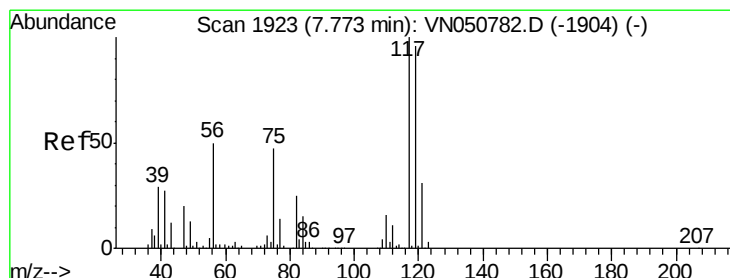
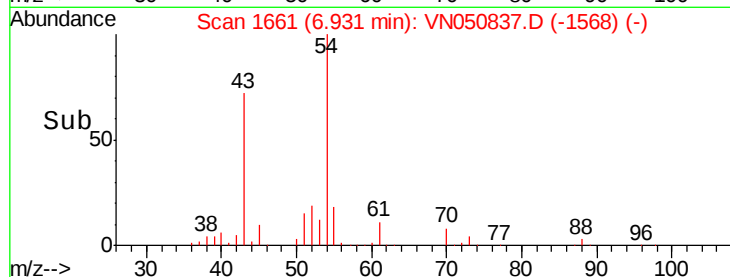
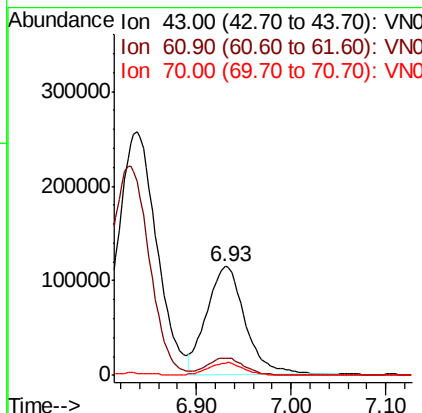
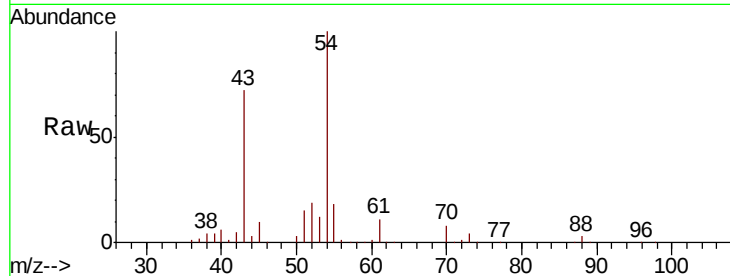
#37
Ethyl Acetate
Concen: 48.99 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	10.6	8.6	13.0

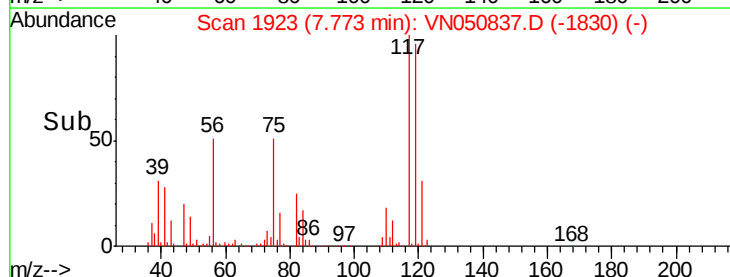
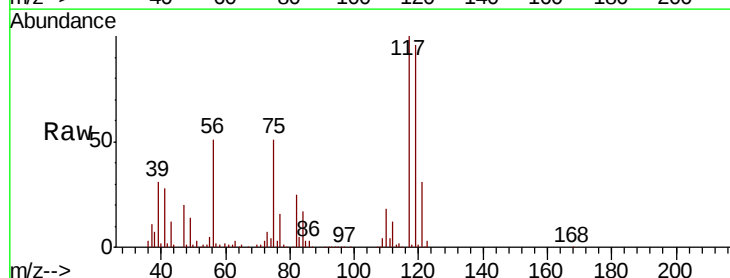
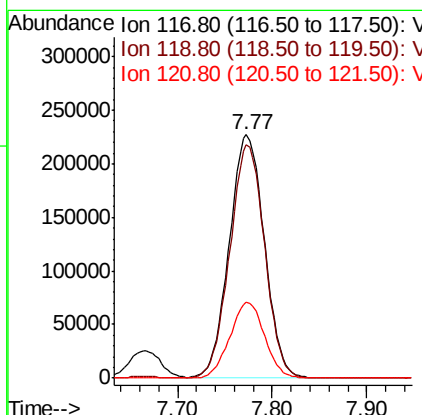
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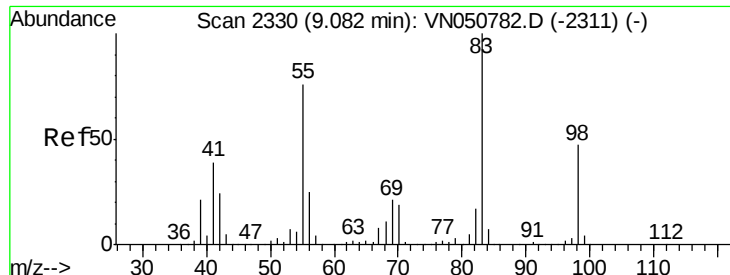
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#38
Carbon Tetrachloride
Concen: 50.50 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	31.0	24.6	36.8





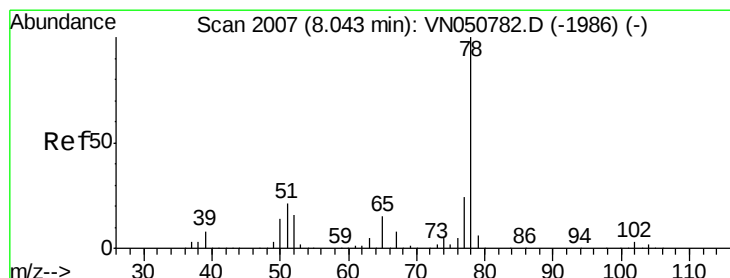
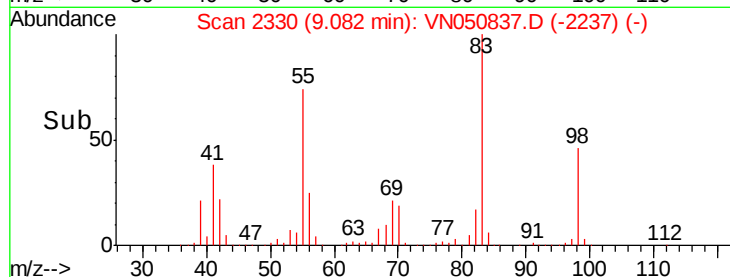
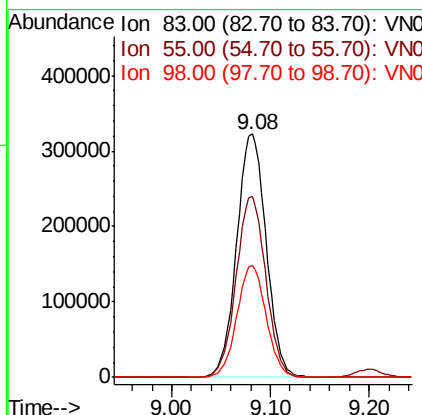
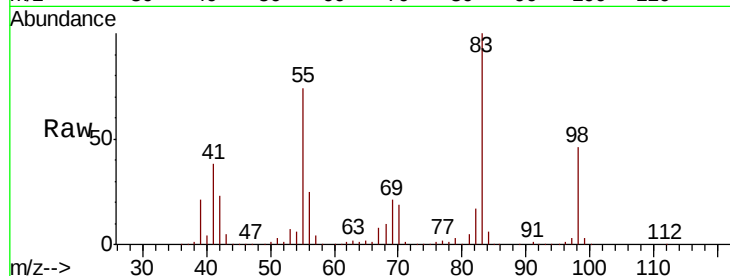
#39
Methvlcvclohexane
Concen: 53.88 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.0	91.4
98	46.1	37.5	56.3

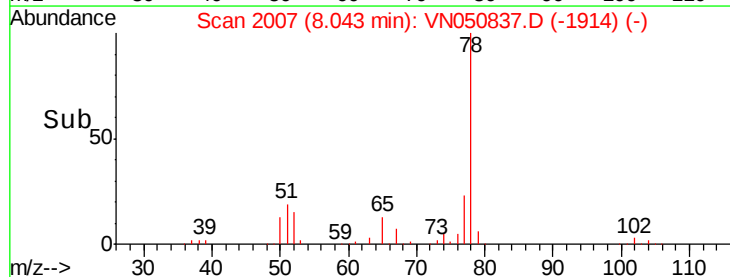
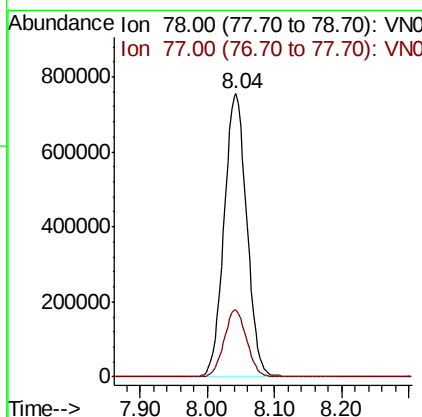
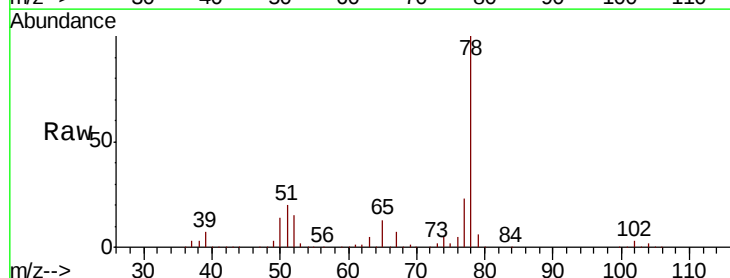
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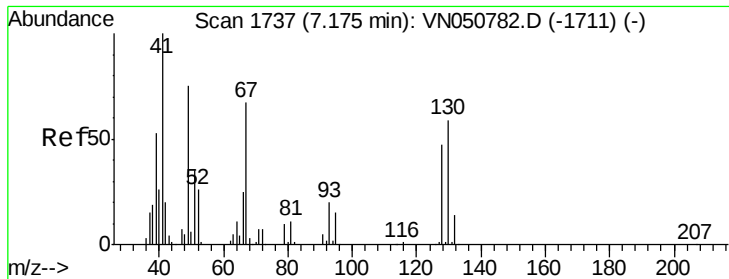
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#40
Benzene
Concen: 51.17 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





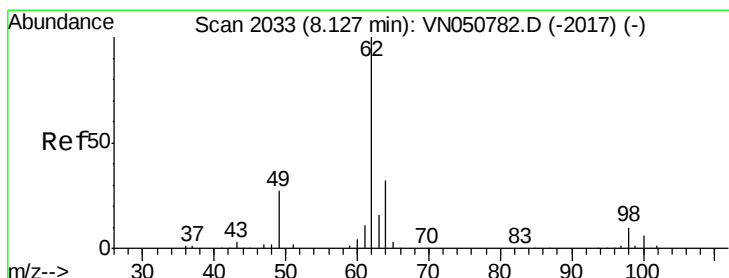
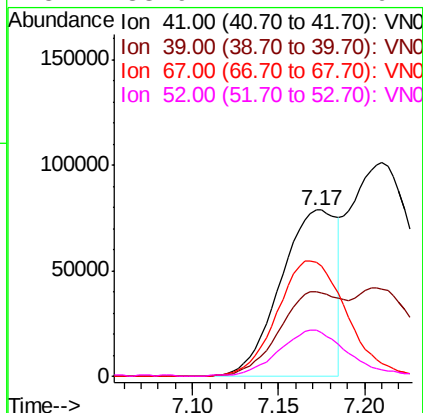
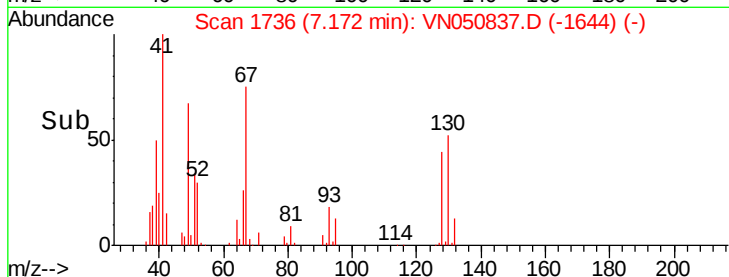
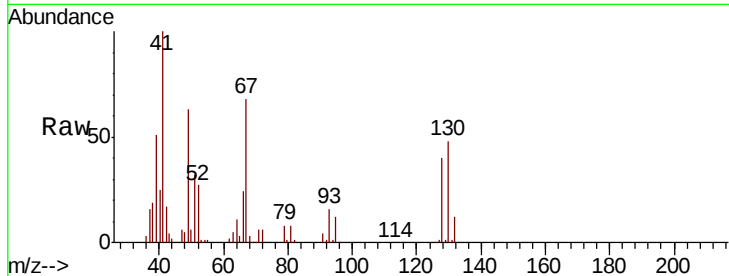
#41
Methacrylonitrile
Concen: 49.89 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		177931		
39	59.2	45.4	68.0		
67	87.3	70.6	106.0		
52	33.9	27.1	40.7		

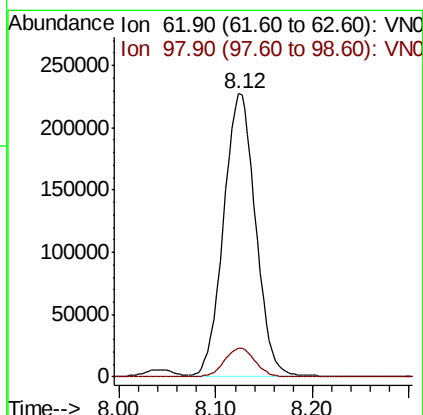
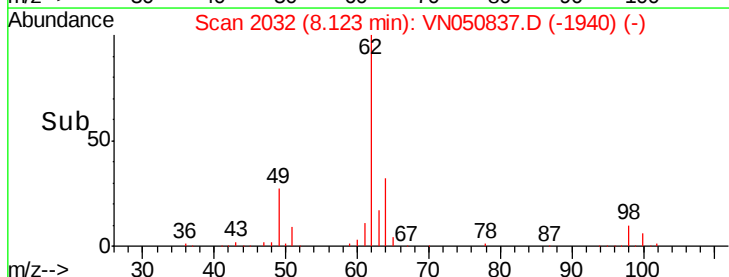
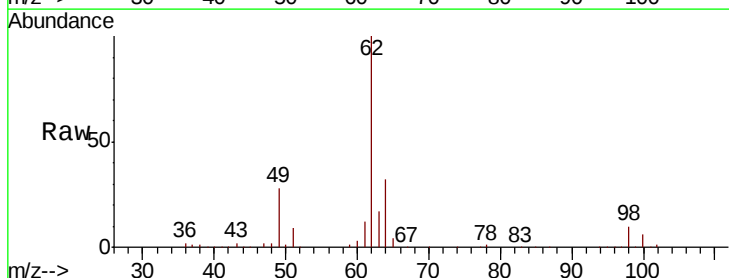
Manual Integrations
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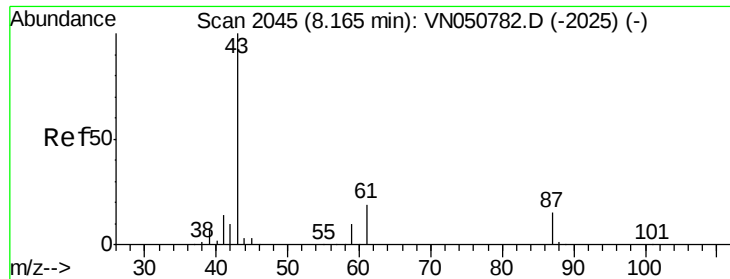
MMDadoda
8/24/2018 10:40:28 AM



#42
1,2-Dichloroethane
Concen: 50.42 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		521527		
98	9.8	0.0	19.6		





#43

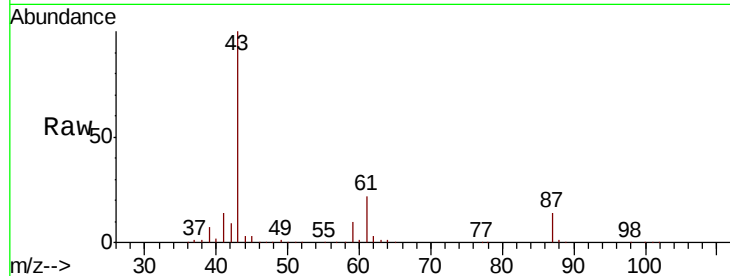
Isopropyl Acetate
 Concen: 51.97 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

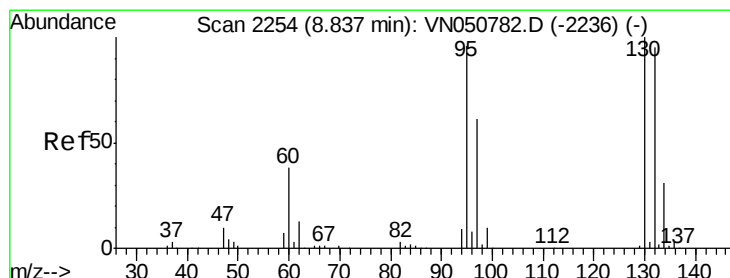
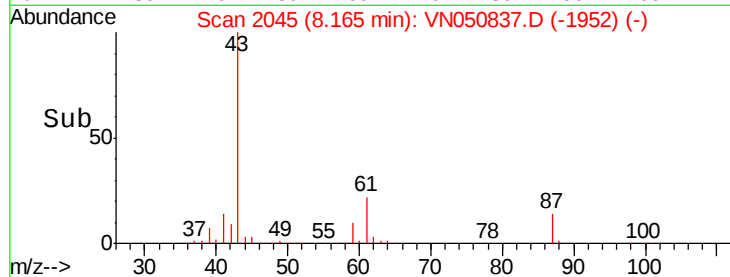
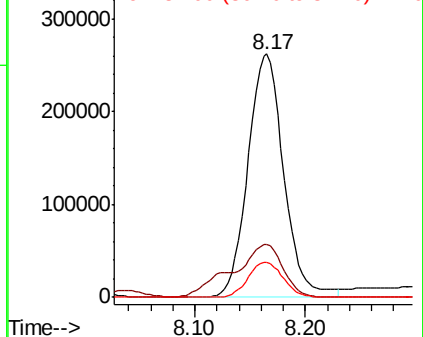
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	17.5	26.3#
87	14.1	11.3	16.9

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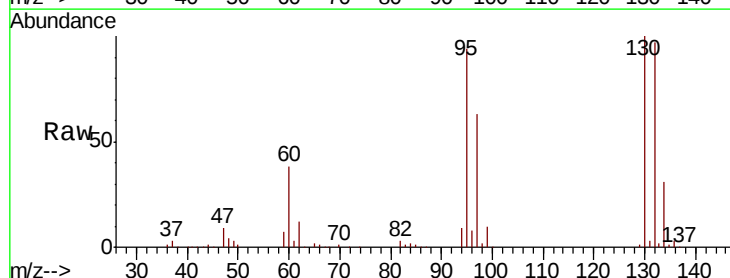
Abundance Ion 43.00 (42.70 to 43.70): VN050837.D (-1952) (-)
 Ion 61.00 (60.70 to 61.70): VN050837.D (-1952) (-)
 Ion 87.00 (86.70 to 87.70): VN050837.D (-1952) (-)



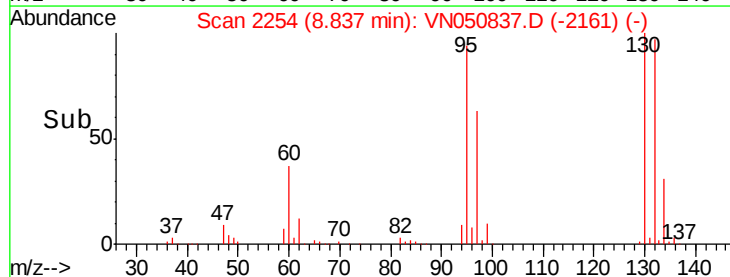
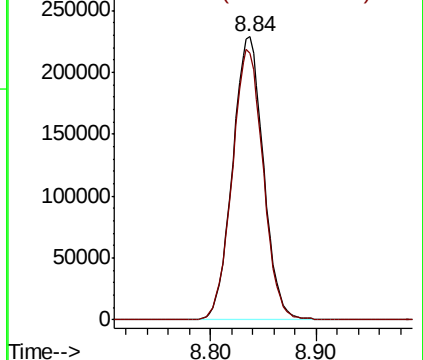
#44

Trichloroethene
 Concen: 50.85 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050837.D (-2161) (-)
 Ion 94.90 (94.60 to 95.60): VN050837.D (-2161) (-)





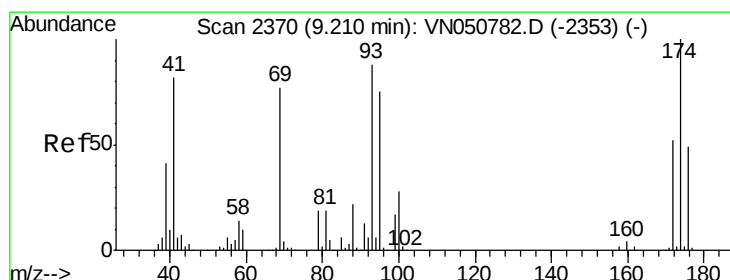
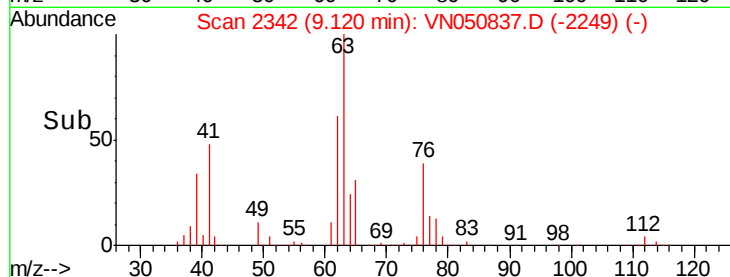
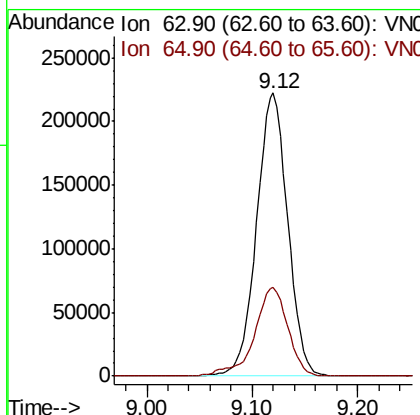
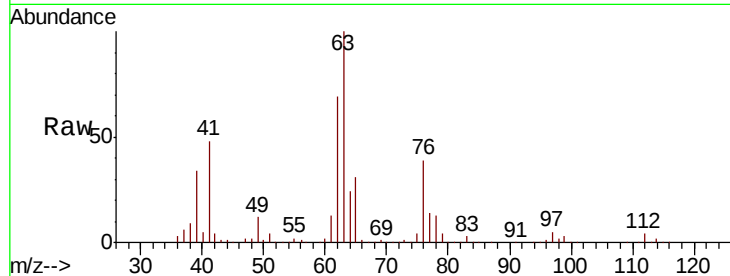
#45
 1,2-Dichloropropane
 Concen: 50.28 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

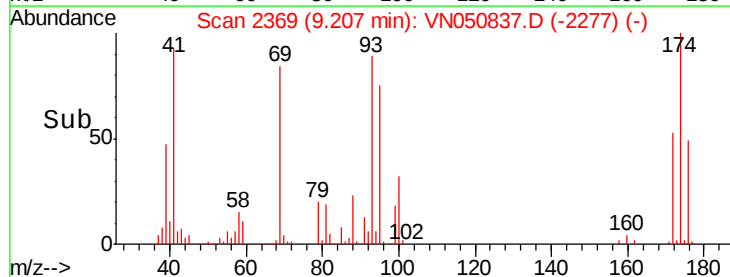
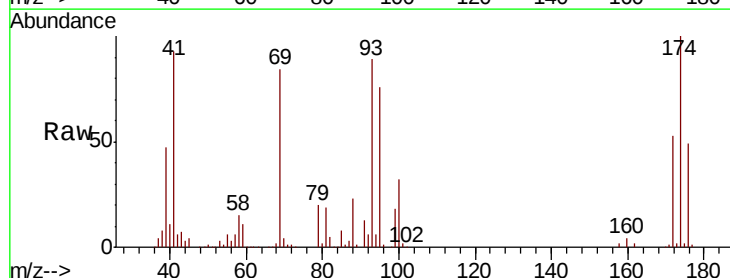
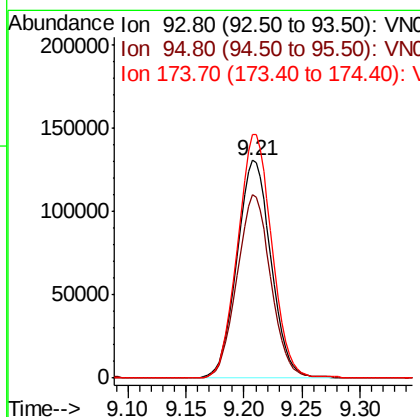
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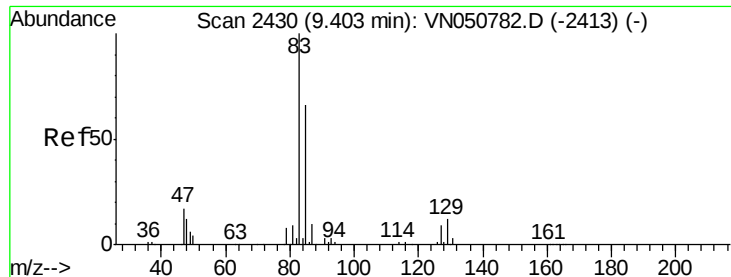
MMDadoda
 8/24/2018 10:40:28 AM



#46
 Dibromomethane
 Concen: 50.11 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	112.2	89.8	134.6





#47

Bromodichloromethane

Concen: 51.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

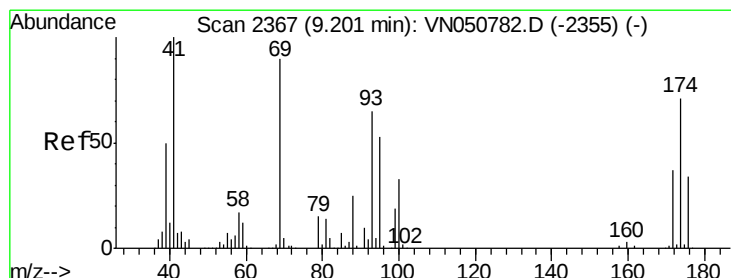
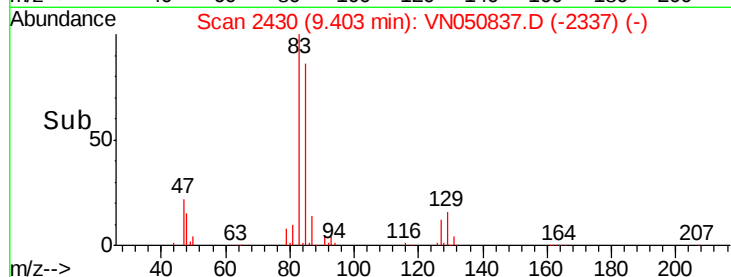
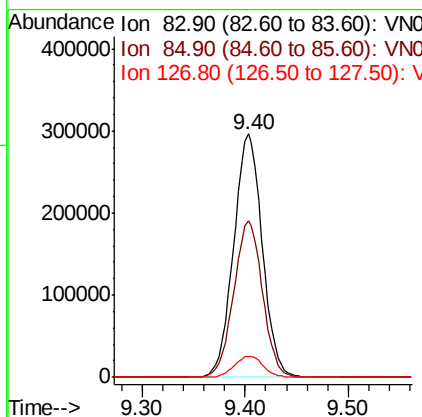
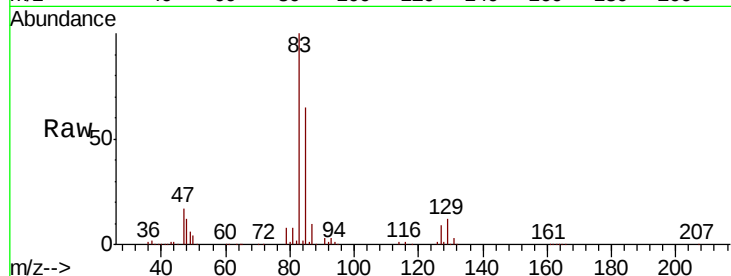
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	573889
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8
127	8.7	7.2	10.8

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#48

Methyl methacrylate

Concen: 51.34 ug/l

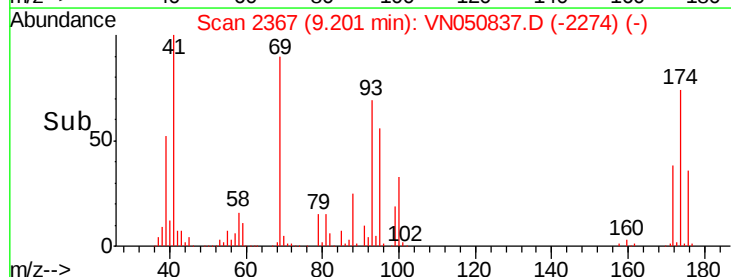
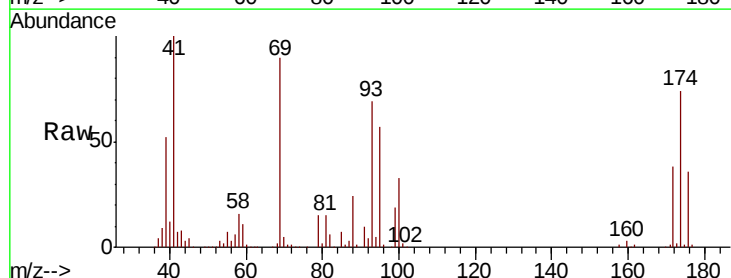
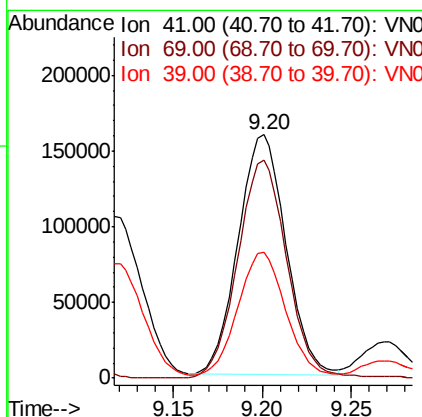
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion:	41	Resp:	296483
Ion	Ratio	Lower	Upper
41	100		
69	94.2	74.7	112.1
39	52.9	42.2	63.2





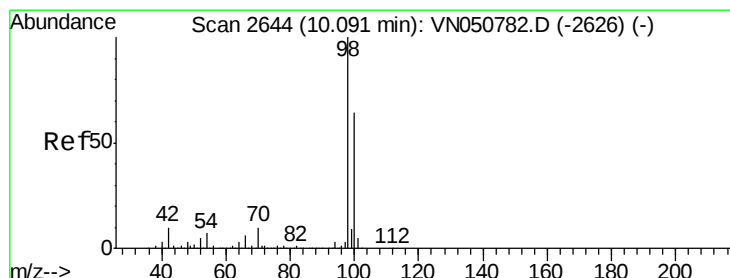
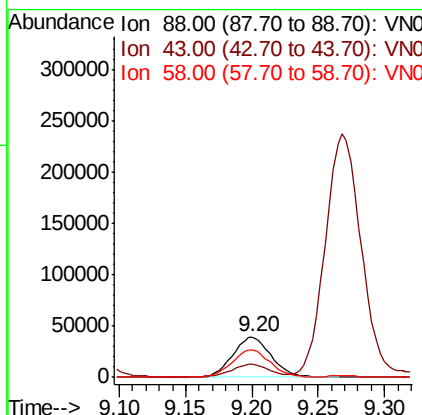
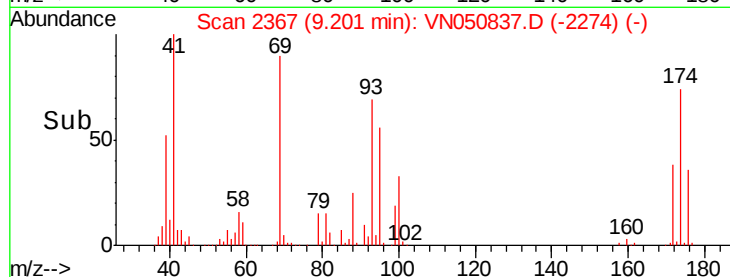
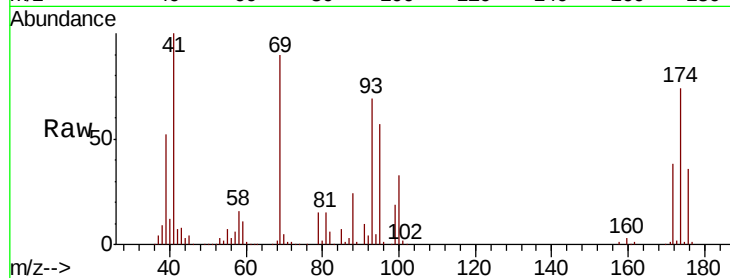
#49
 1,4-Dioxane
 Concen: 1010.90 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	79586
Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.9	38.9
58	67.8	55.0	82.4

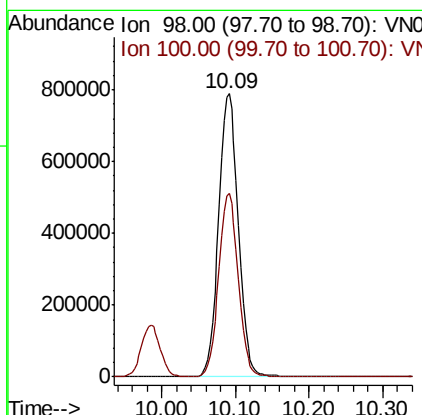
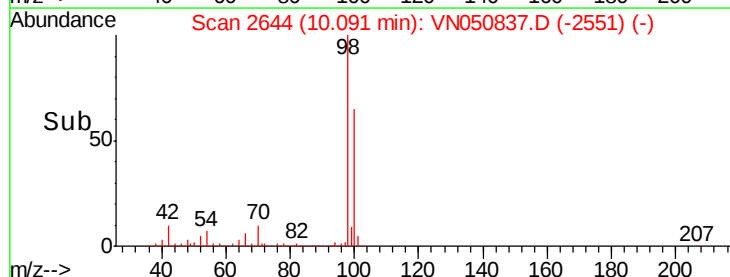
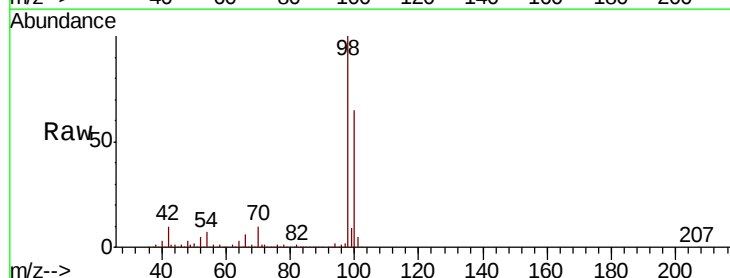
Manual Integrations
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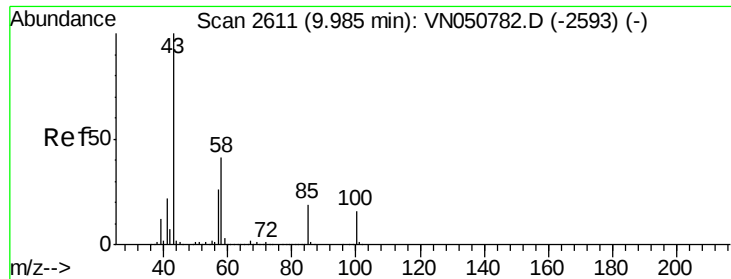
MMDadoda
 8/24/2018 10:40:28 AM



#50
 Toluene-d8
 Concen: 50.56 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	98	Resp	1462106
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





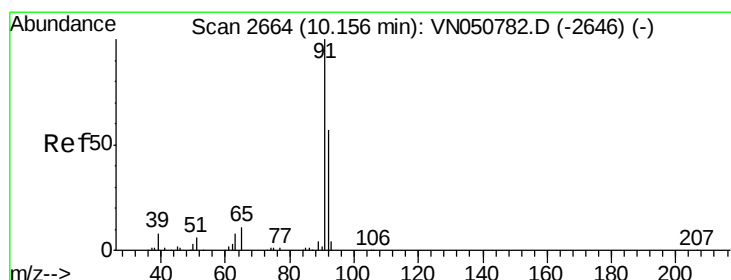
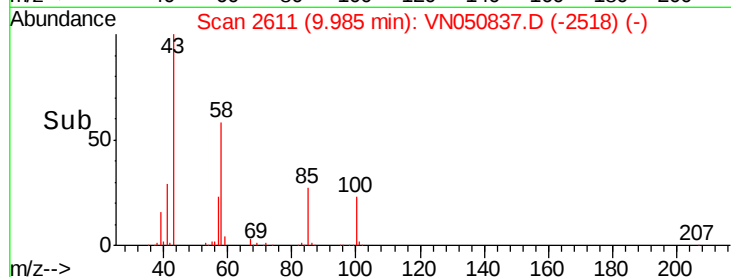
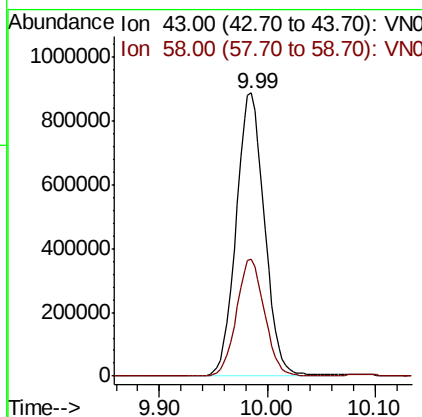
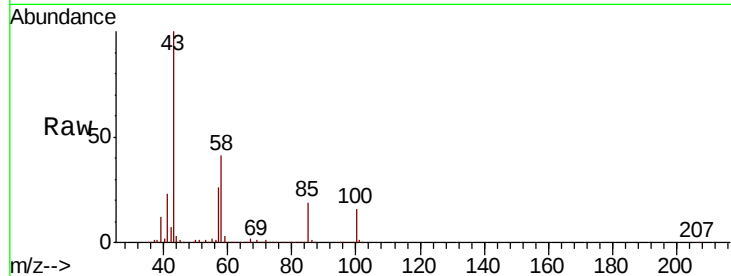
#51
4-Methyl-2-Pentanone
Concen: 240.16 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1624019
Ion Ratio Lower Upper
43 100
58 40.9 32.4 48.6

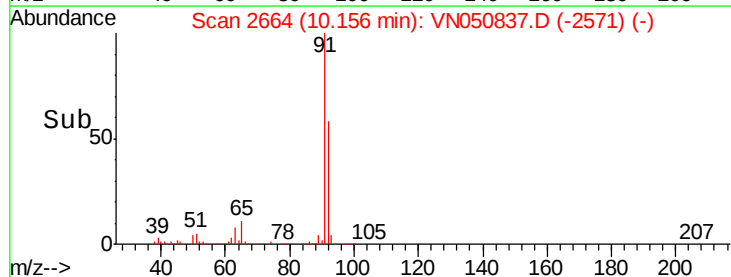
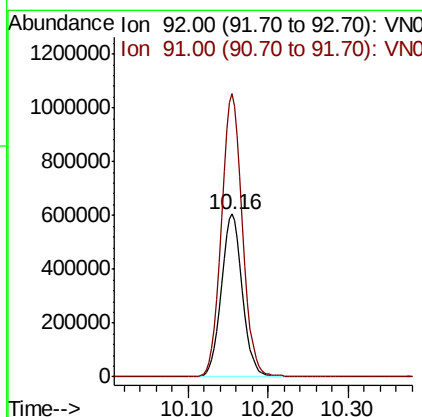
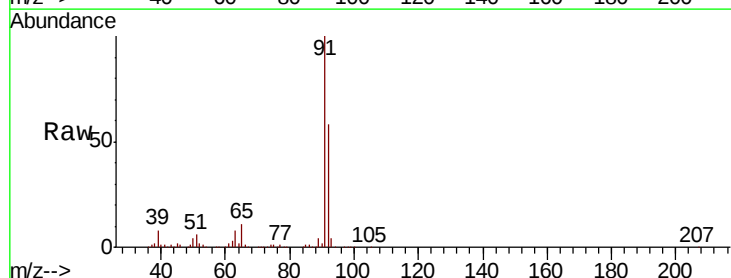
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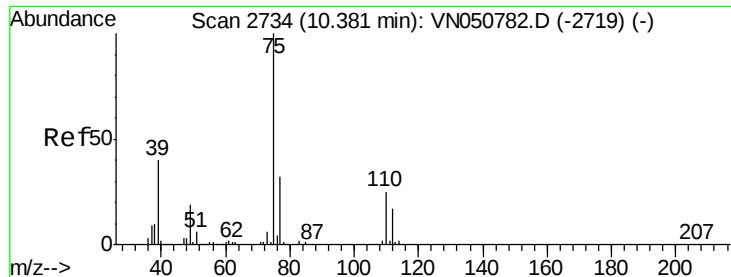
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#52
Toluene
Concen: 53.45 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 92 Resp: 1095412
Ion Ratio Lower Upper
92 100
91 174.2 140.6 211.0





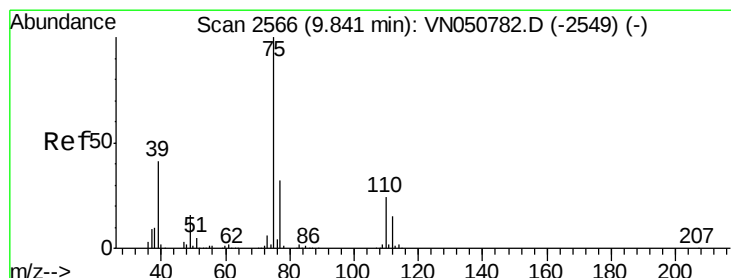
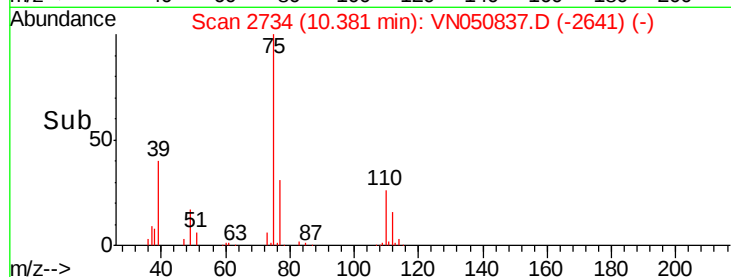
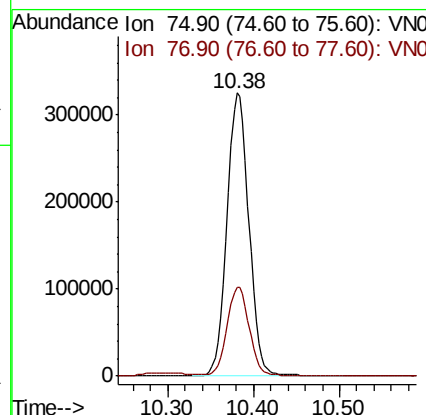
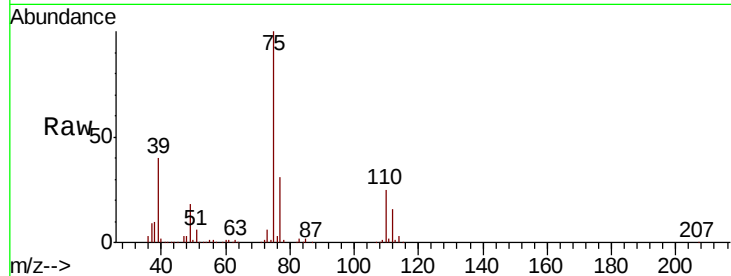
#53
t-1,3-Dichloropropene
Concen: 51.85 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5

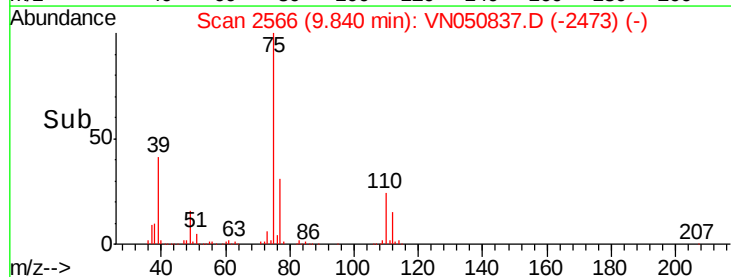
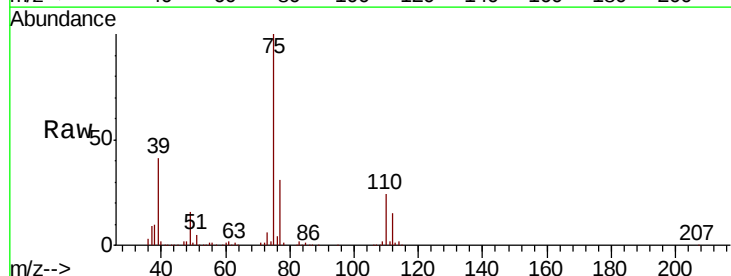
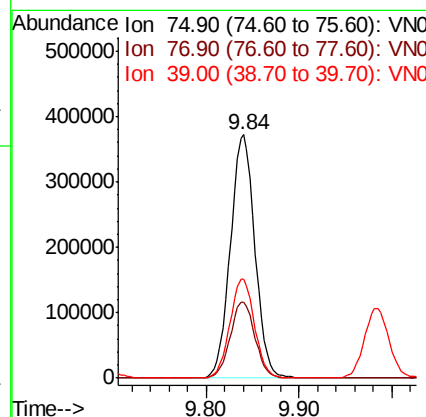
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#54
cis-1,3-Dichloropropene
Concen: 53.55 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2
39	40.7	33.0	49.4





#55

1,1,2-Trichloroethane

Concen: 50.06 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 380766

Ion Ratio Lower Upper

97 100

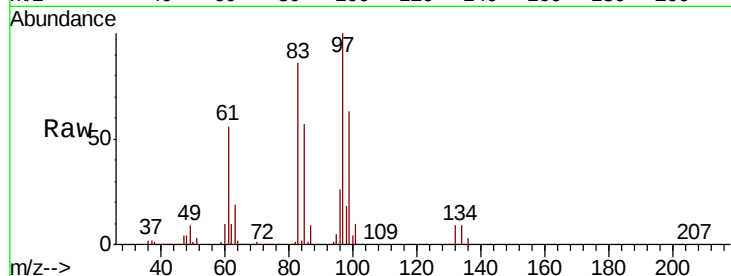
83 86.4 69.7 104.5

85 57.4 44.5 66.7

99 62.9 50.7 76.1

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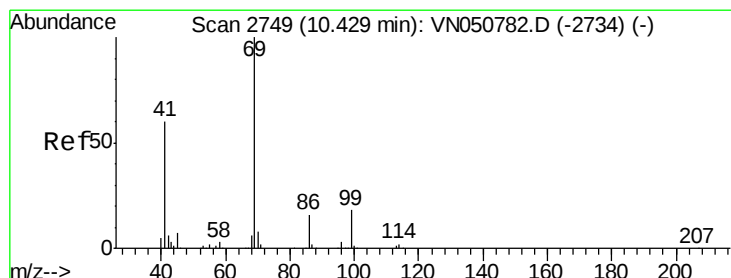
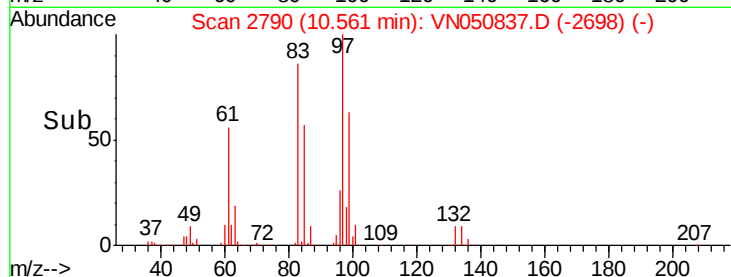
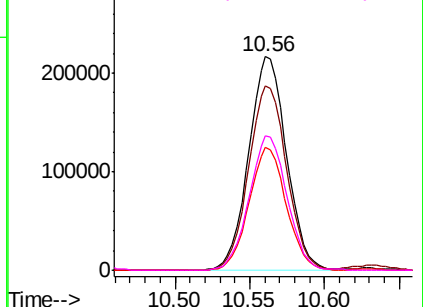


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.83 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion: 69 Resp: 461829

Ion Ratio Lower Upper

69 100

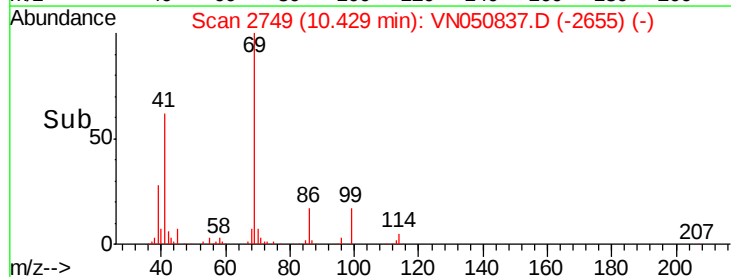
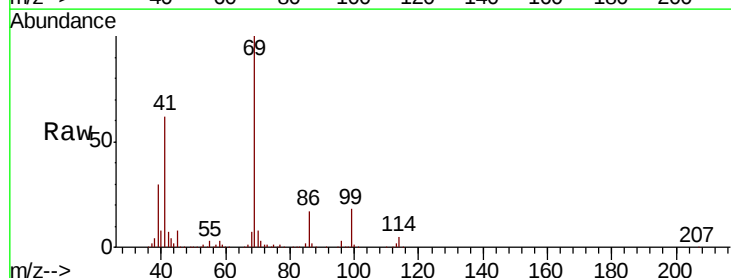
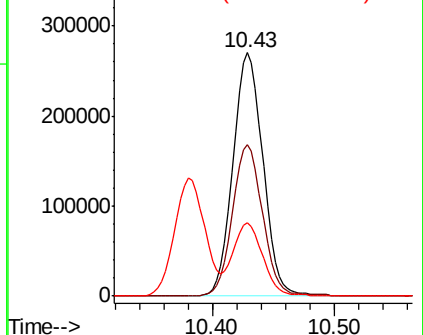
41 62.2 48.3 72.5

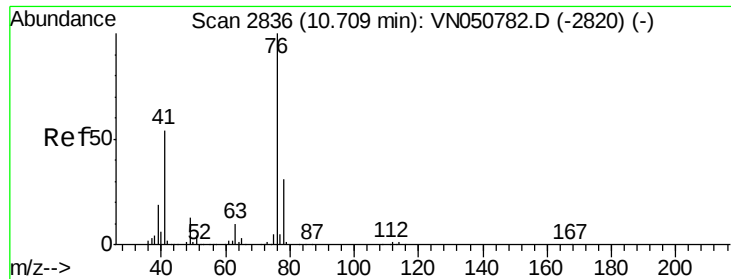
39 29.7 24.0 36.0

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.11 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 641698

Ion Ratio Lower Upper

76 100

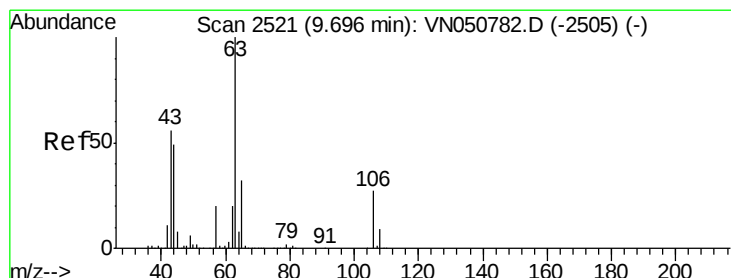
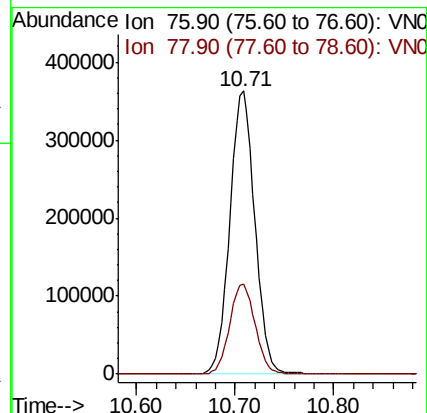
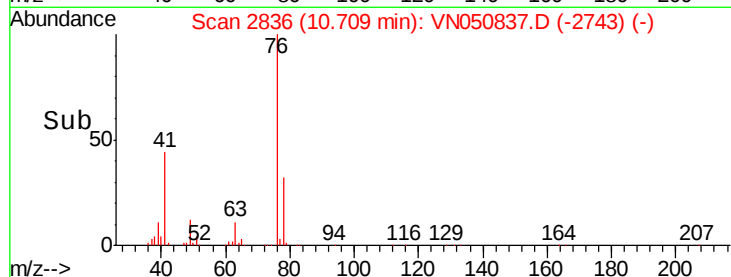
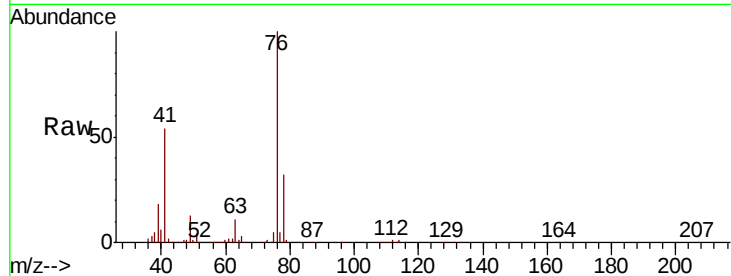
78 32.4 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 234.50 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050837.D

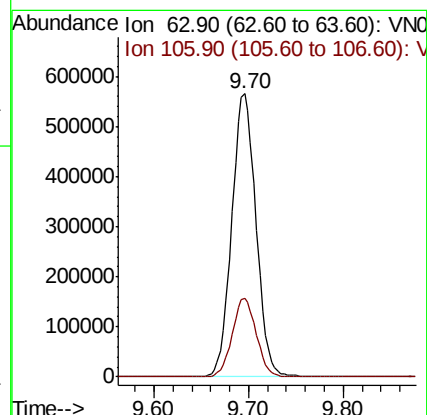
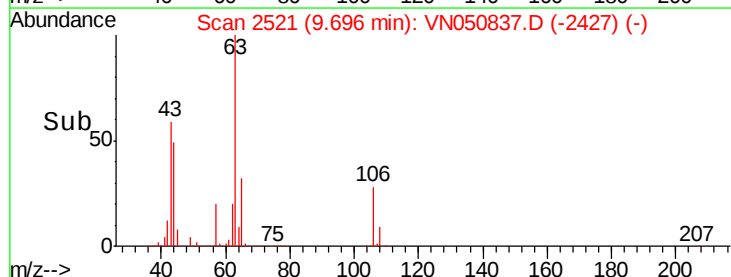
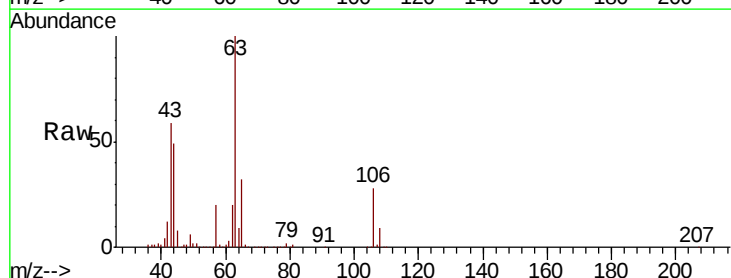
Acq: 23 Aug 2018 8:31

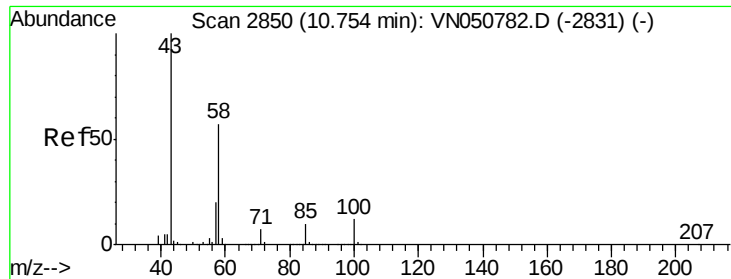
Tgt Ion: 63 Resp: 1009107

Ion Ratio Lower Upper

63 100

106 27.6 21.9 32.9





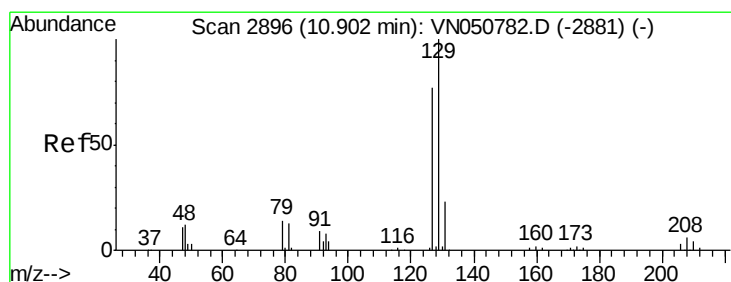
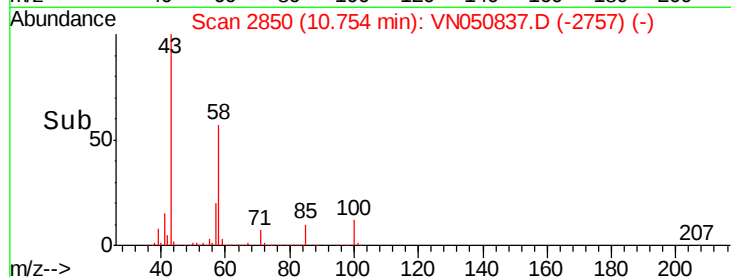
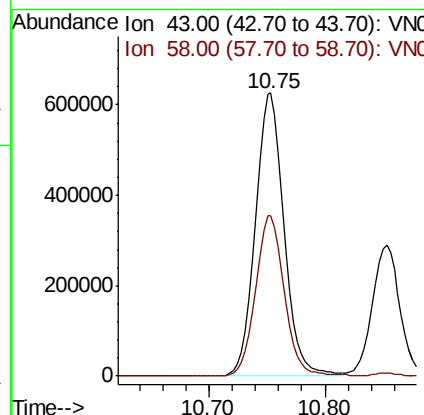
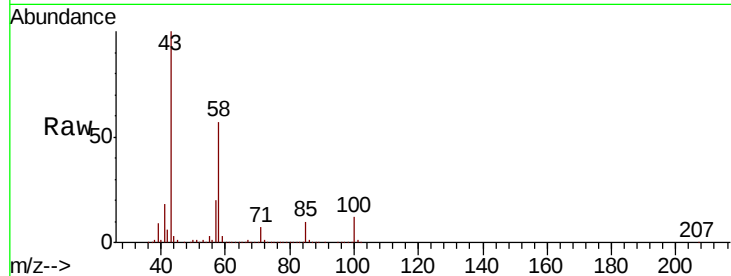
#59
2-Hexanone
Concen: 240.24 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1081522
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0

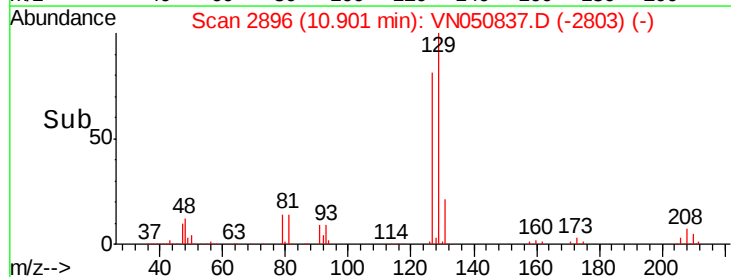
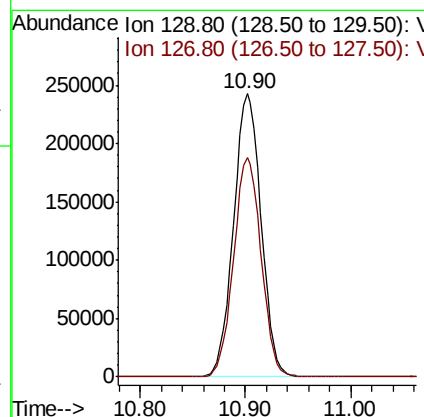
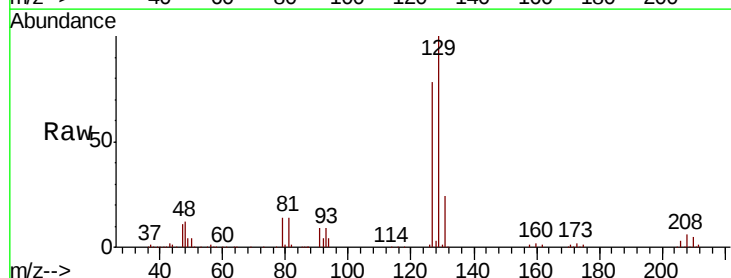
Manual Integrations
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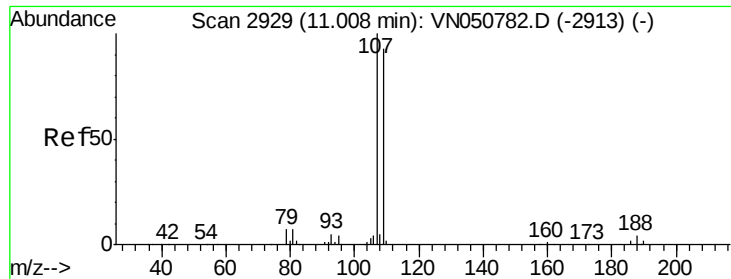
MMDadoda
8/24/2018 10:40:28 AM



#60
Dibromochloromethane
Concen: 51.53 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 129 Resp: 438915
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.32 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 377522

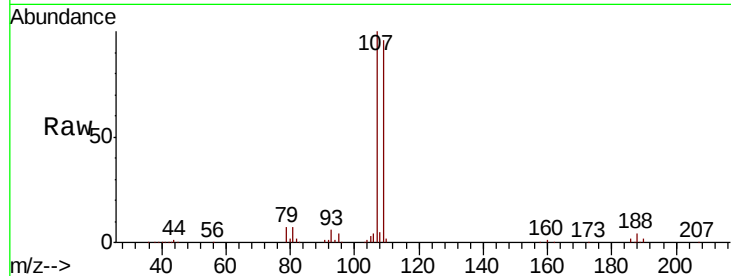
Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.2

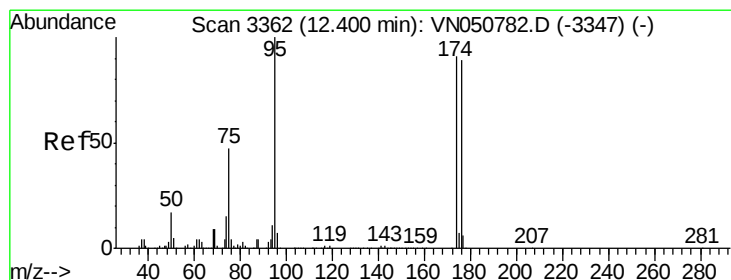
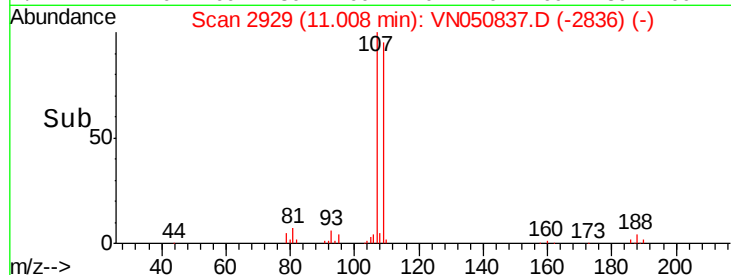
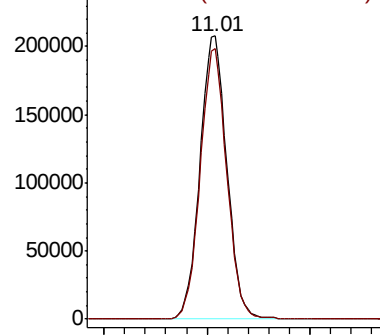
Manual Integrations
APPROVED

MMDadoda
8/24/2018 10:40:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.76 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

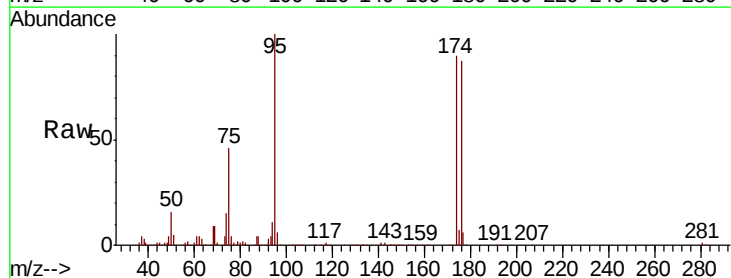
Tgt Ion: 95 Resp: 487788

Ion Ratio Lower Upper

95 100

174 90.1 0.0 183.0

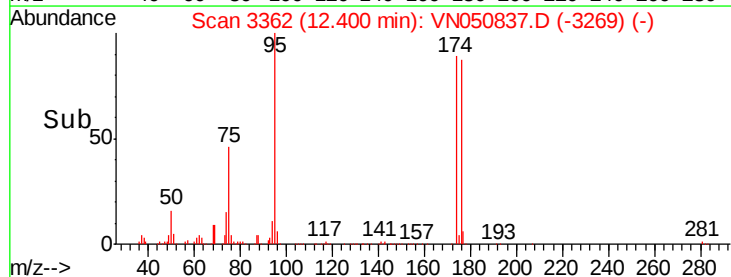
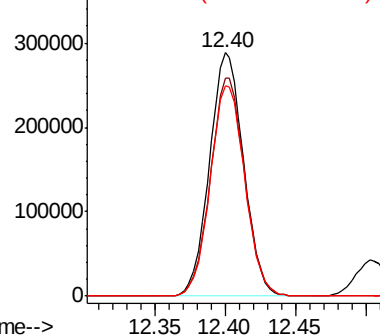
176 87.9 0.0 178.8

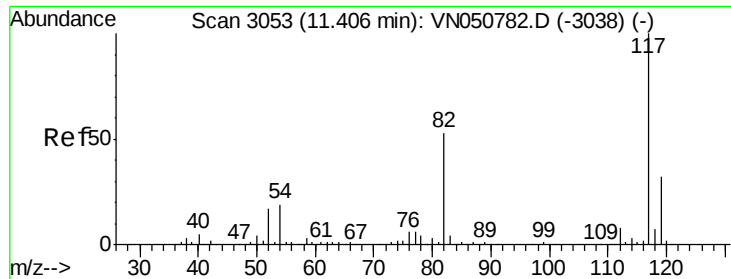


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





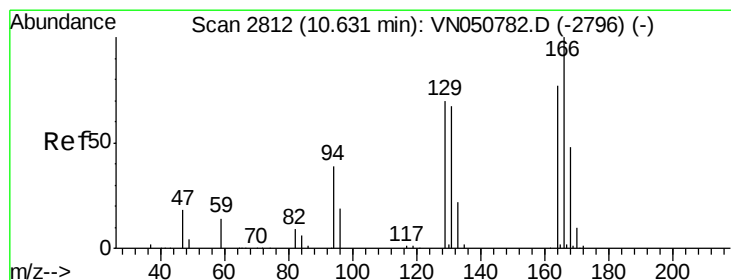
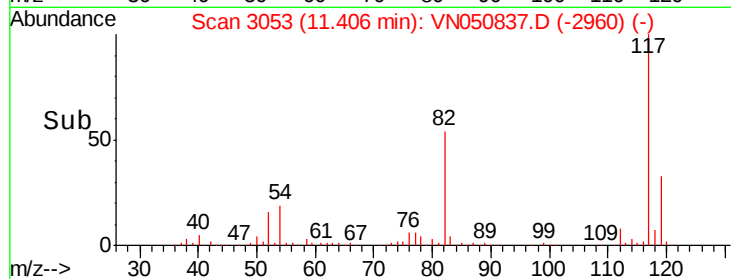
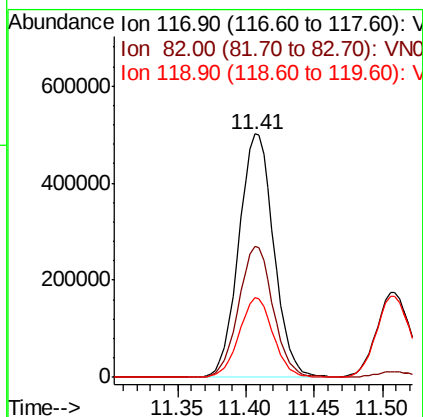
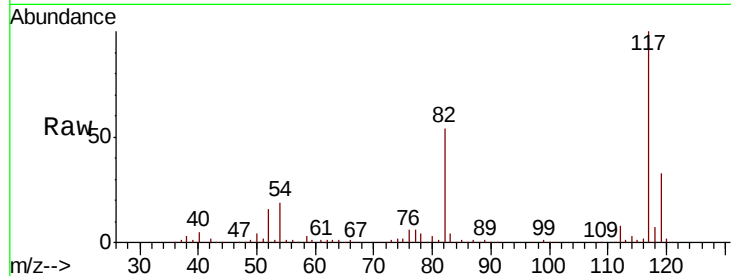
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.6	64.0
119	32.6	25.8	38.6

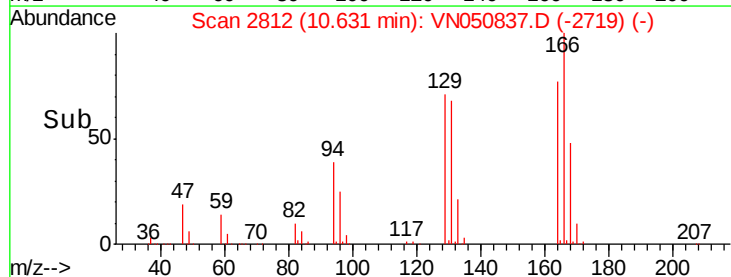
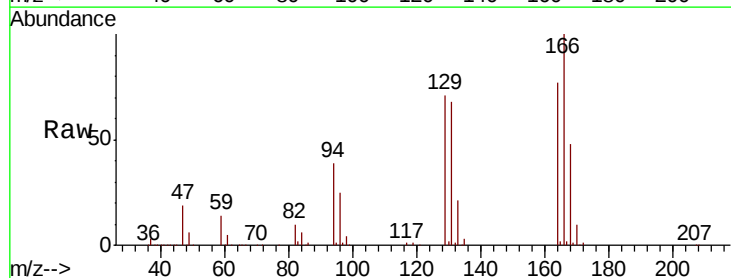
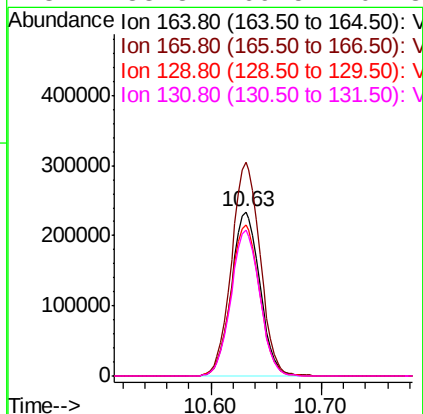
Manual Integrations
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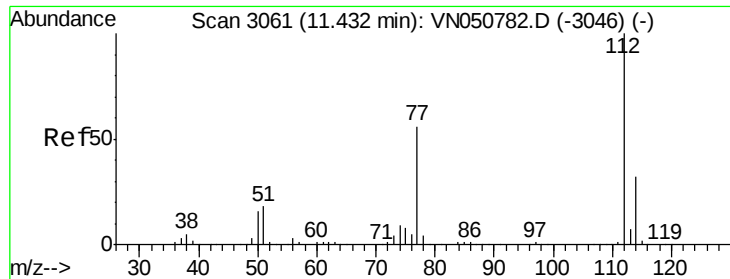
MMDadoda
8/24/2018 10:40:28 AM



#64
Tetrachloroethene
Concen: 49.66 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.5	155.3
129	92.3	72.7	109.1
131	88.8	69.5	104.3





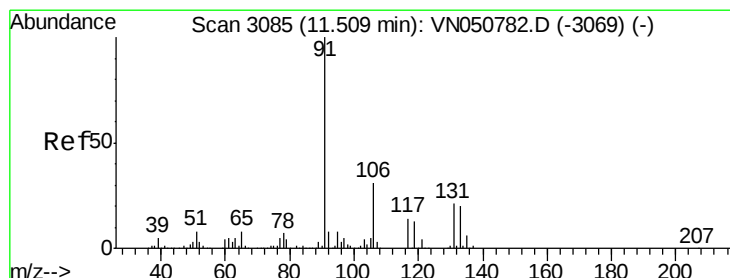
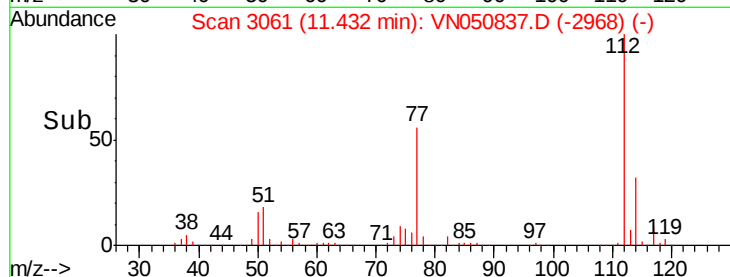
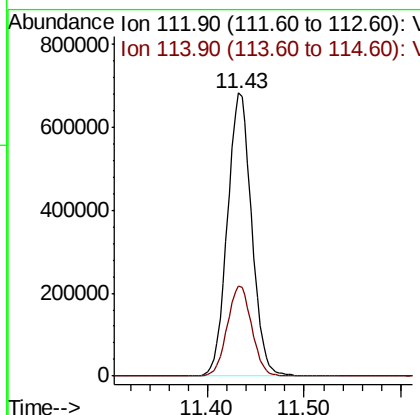
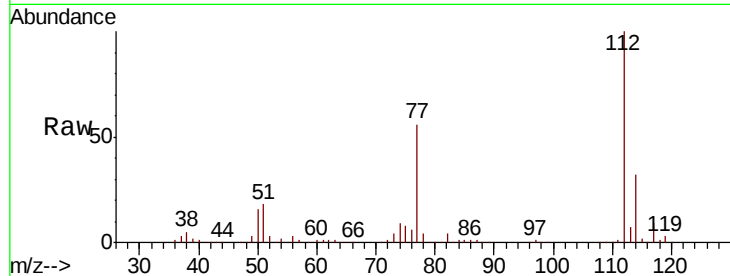
#65
Chlorobenzene
Concen: 50.95 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1186563
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

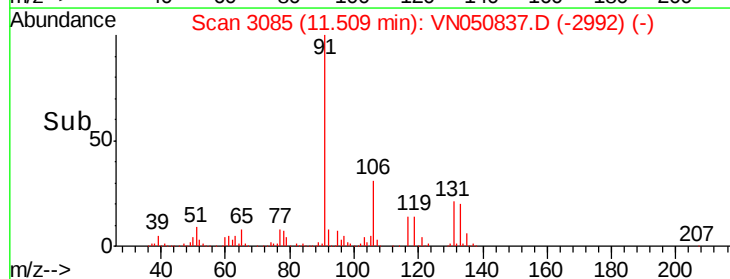
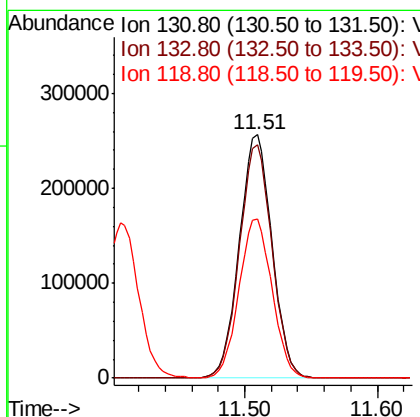
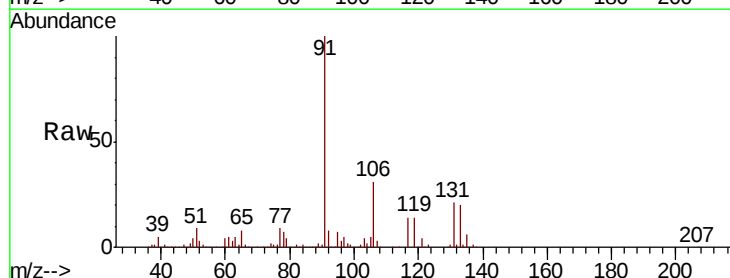
Manual Integrations
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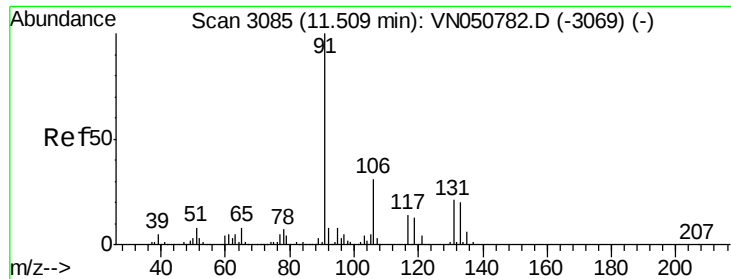
MMDadoda
8/24/2018 10:40:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.41 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion:131 Resp: 438092
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 66.2 32.8 98.4





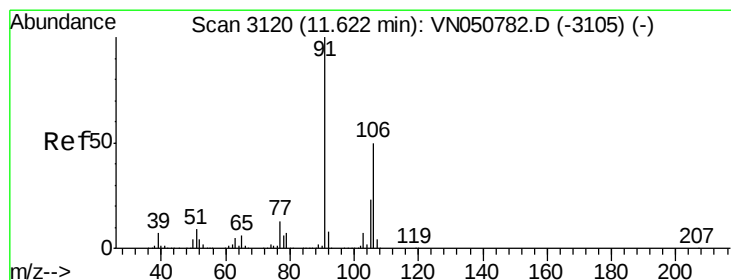
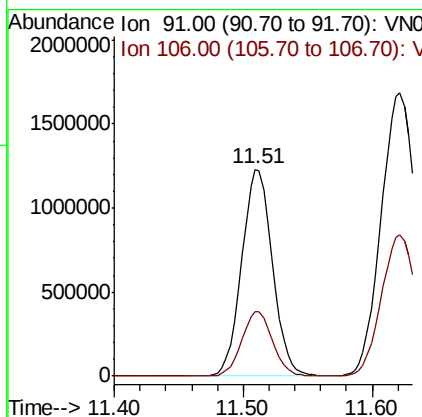
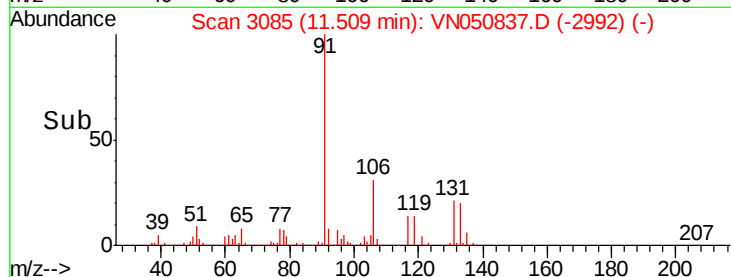
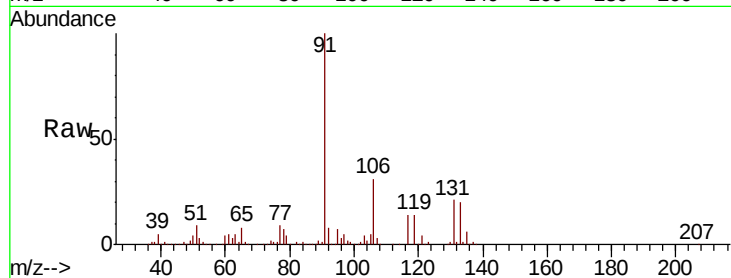
#67
Ethyl Benzene
Concen: 53.92 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2041751
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

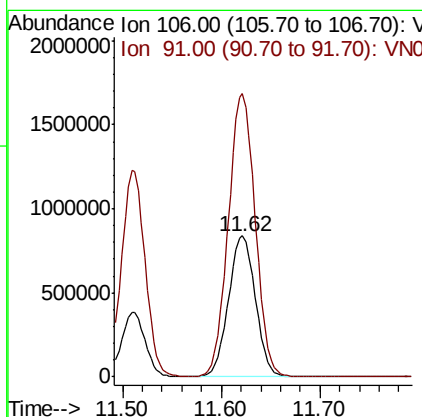
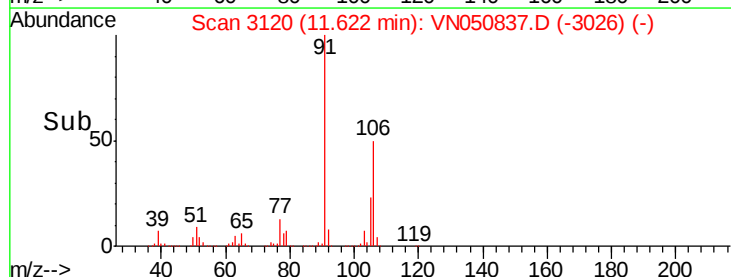
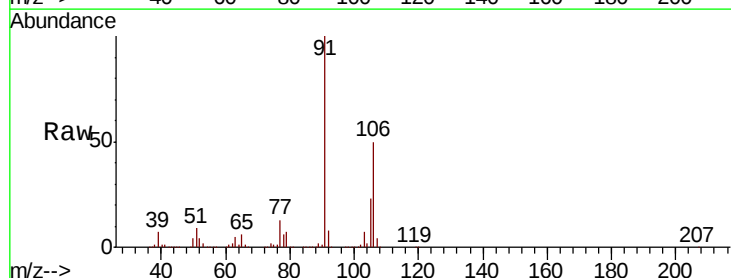
Manual Integrations
APPROVED

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8/24/2018 10:40:28 AM



#68
m/p-Xylenes
Concen: 111.30 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 106 Resp: 1599576
Ion Ratio Lower Upper
106 100
91 200.8 161.0 241.6





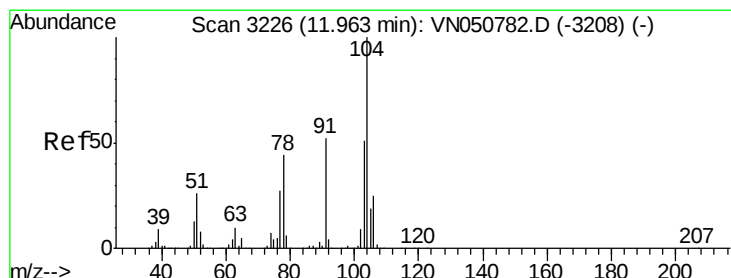
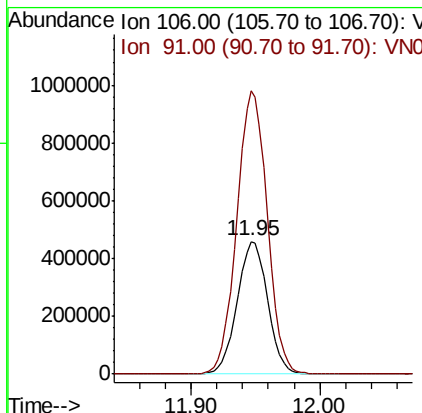
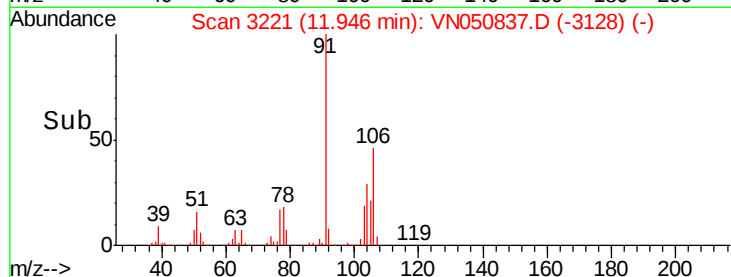
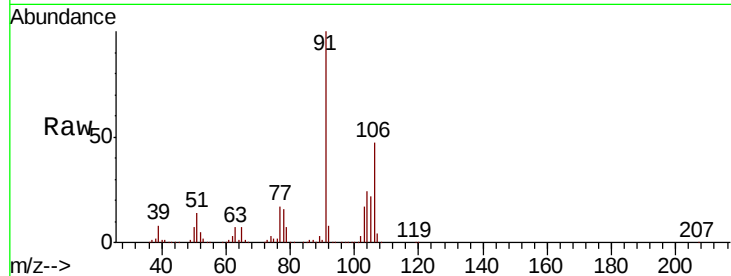
#69
o-Xylene
Concen: 54.64 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	754981		
91	91	212.7	106.5	319.5	

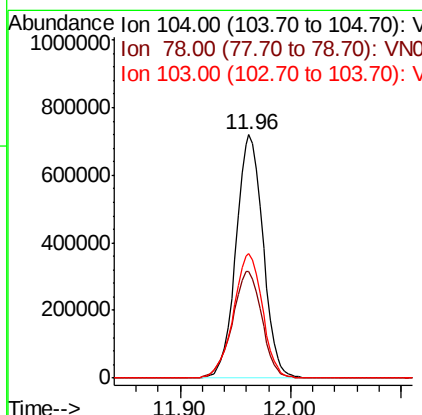
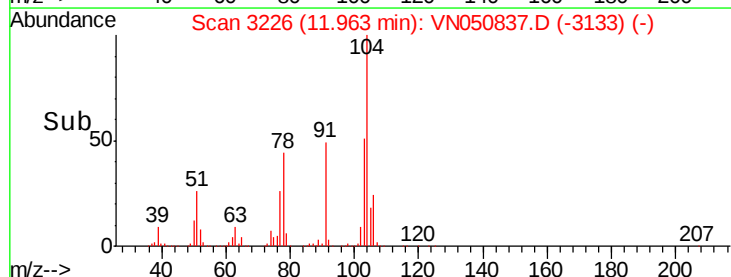
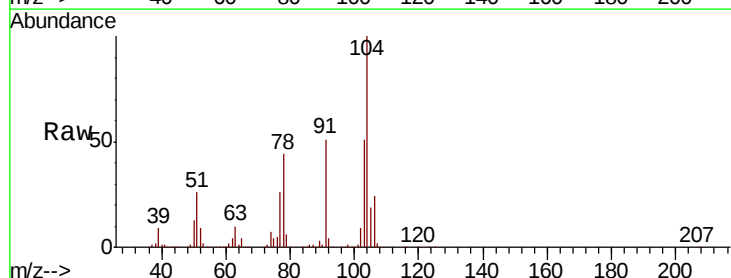
Manual Integrations
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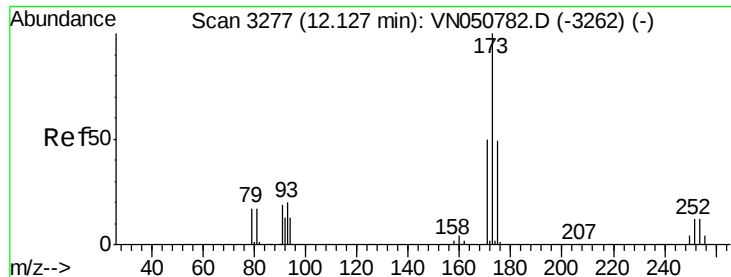
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#70
Styrene
Concen: 50.13 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1220818		
78	78	48.0	38.2	57.4	
103	103	55.1	44.4	66.6	





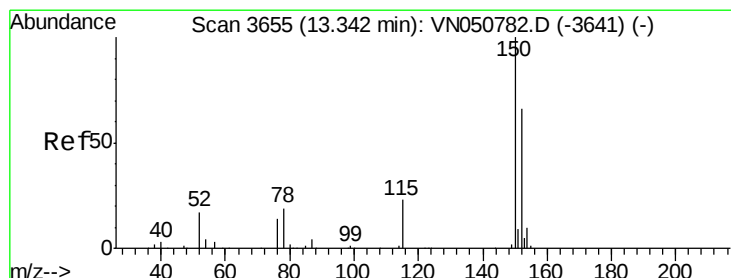
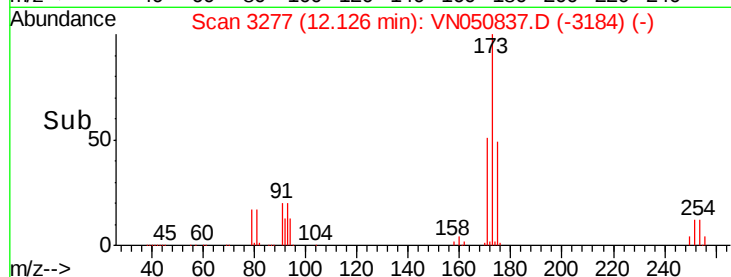
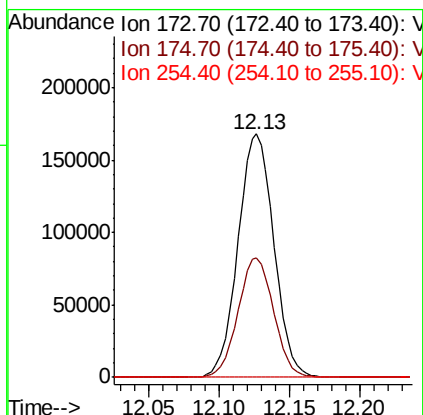
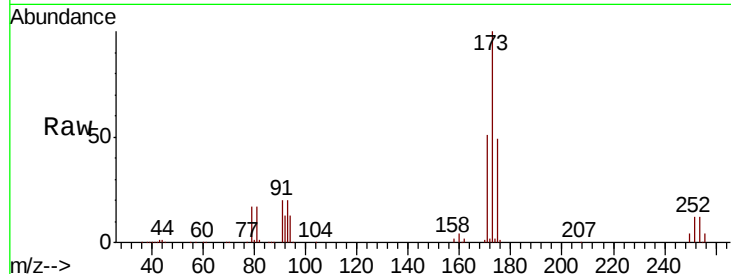
#71
Bromoform
Concen: 50.99 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.2	0.1	0.1#

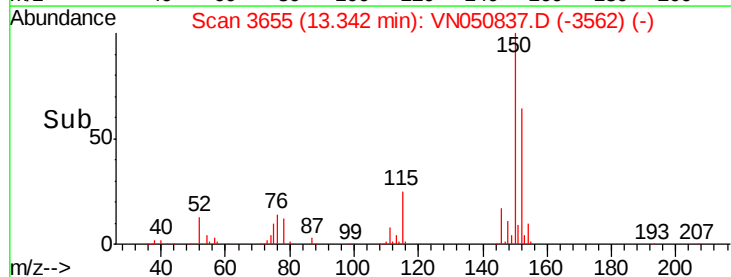
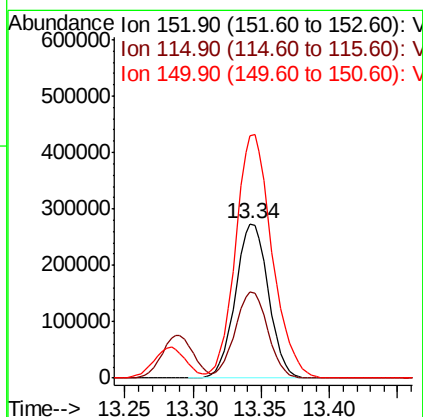
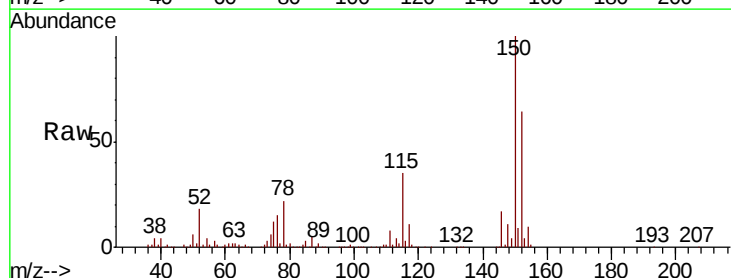
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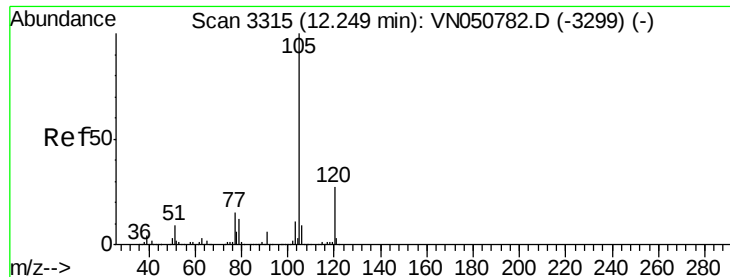
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	174.9	0.0	351.4





#73

Isopropylbenzene

Concen: 53.17 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 2014505

Ion Ratio Lower Upper

105 100

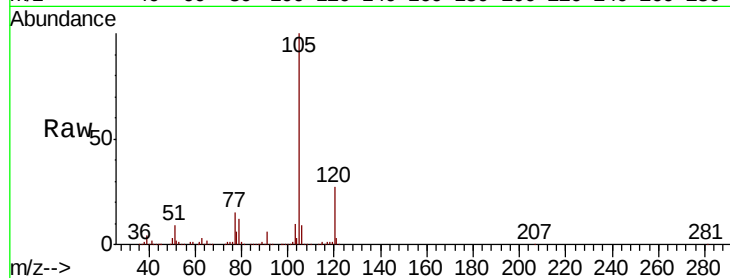
120 27.0 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

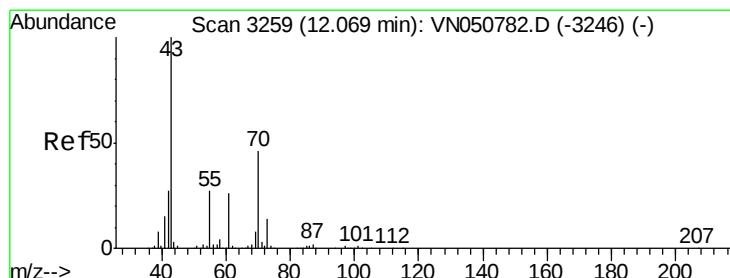
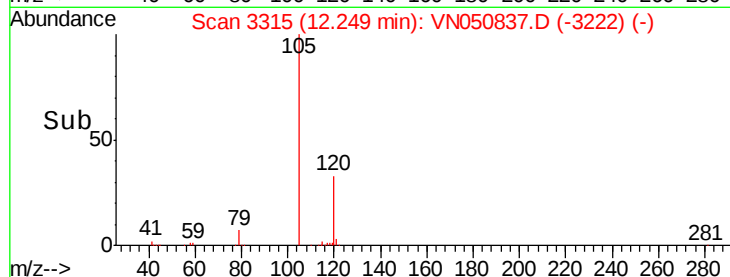
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion: 43 Resp: 482199

Ion Ratio Lower Upper

43 100

70 45.7 36.2 54.2

55 27.8 21.8 32.8

61 25.8 20.5 30.7

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

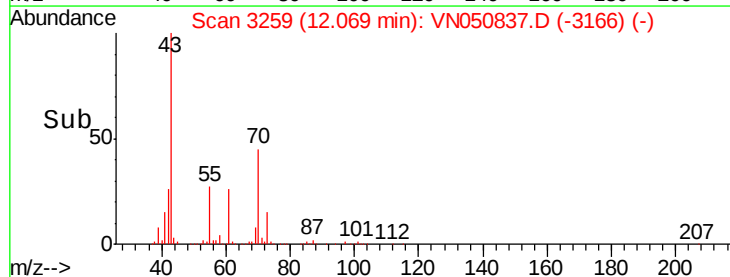
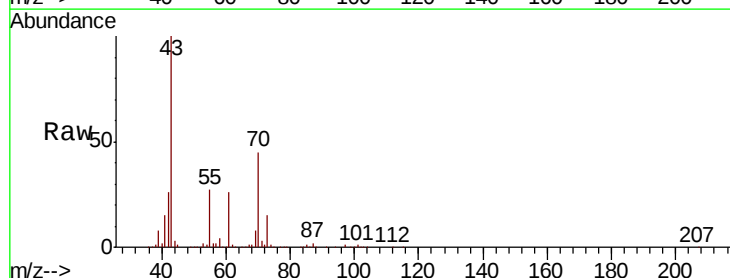
200000

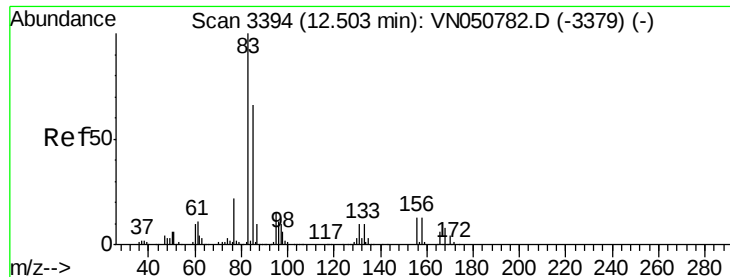
100000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 51.47 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

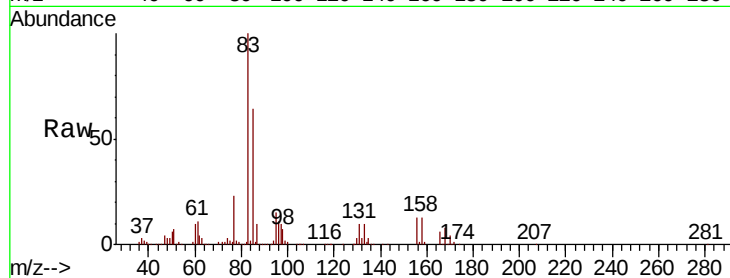
ClientSampleId :

VSTDCCC050

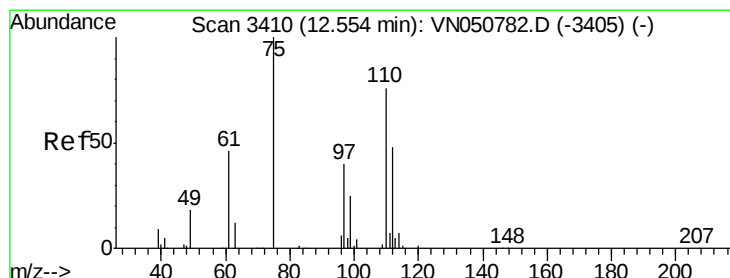
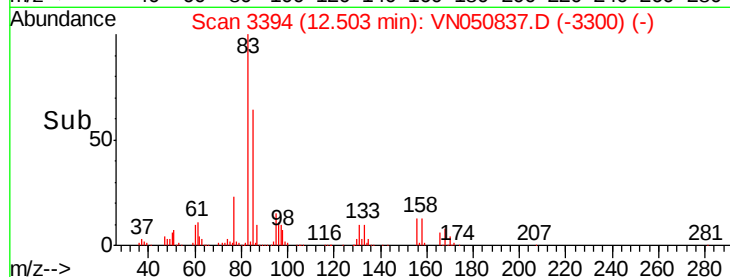
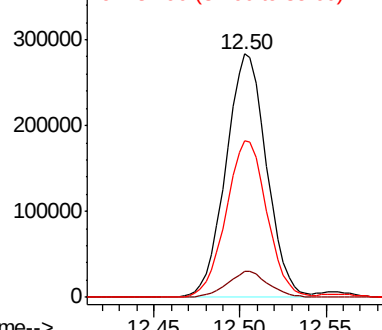
Tot Ion:	83	Resp:	464493
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.6	31.9	95.7

Manual Integrations
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8/24/2018 10:40:28 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050837.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 45.92 ug/l m

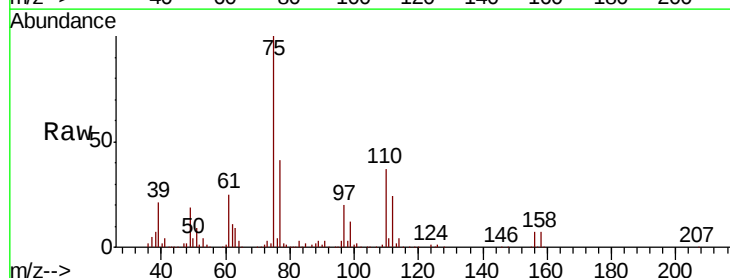
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

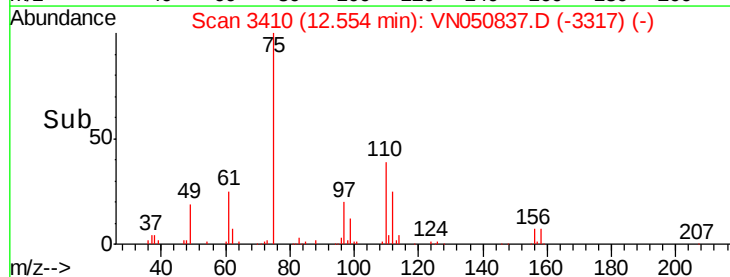
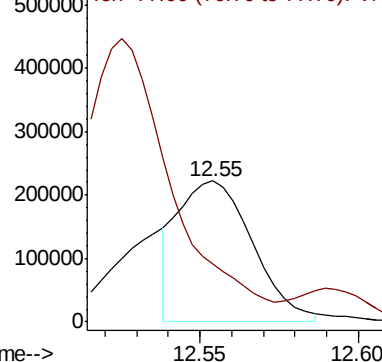
Lab File: VN050837.D

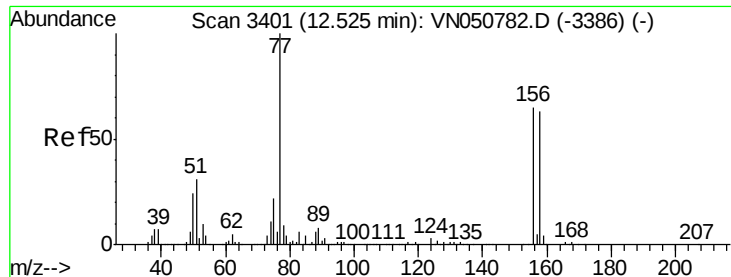
Acq: 23 Aug 2018 8:31

Tgt Ion:	75	Resp:	368079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050837.D (-3317) (-)





#77

Bromobenzene

Concen: 48.59 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

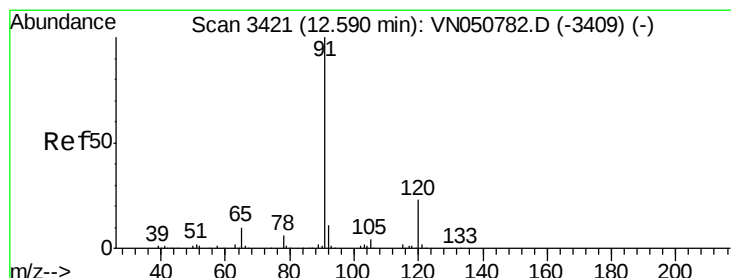
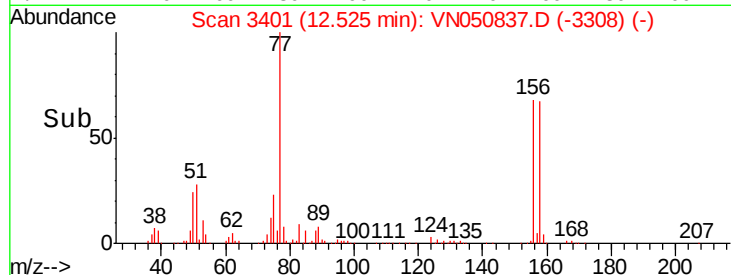
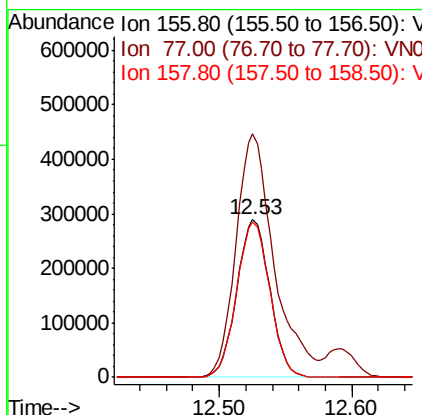
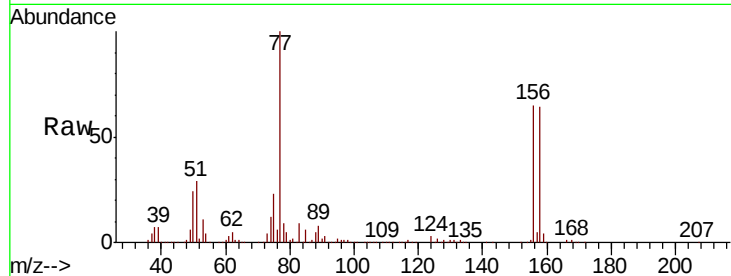
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	500353
Ion Ratio	Lower	Upper	
156	100		
77	178.4	89.9	269.7
158	99.2	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 54.16 ug/l

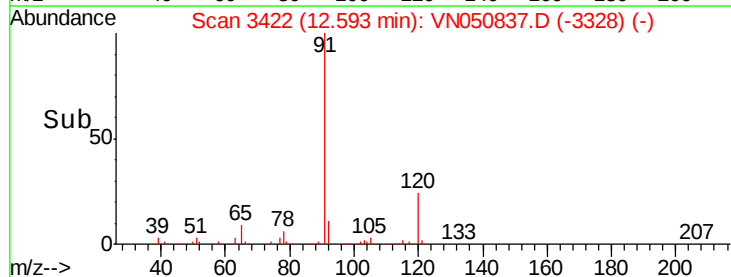
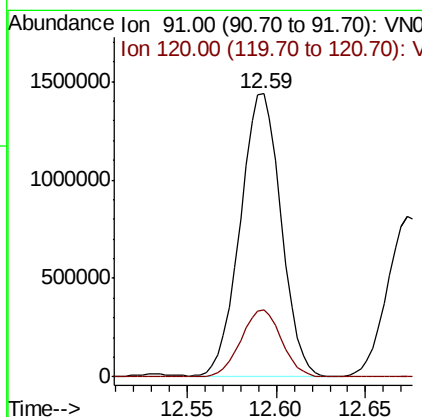
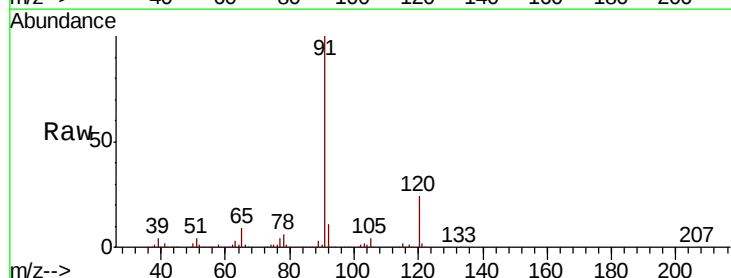
RT: 12.59 min Scan# 3422

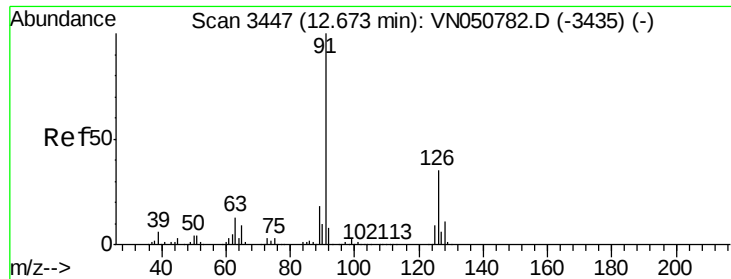
Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion:	91	Resp:	2292524
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.16 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1348862

Ion Ratio Lower Upper

91 100

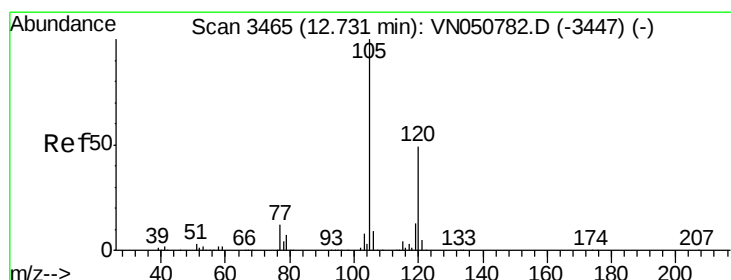
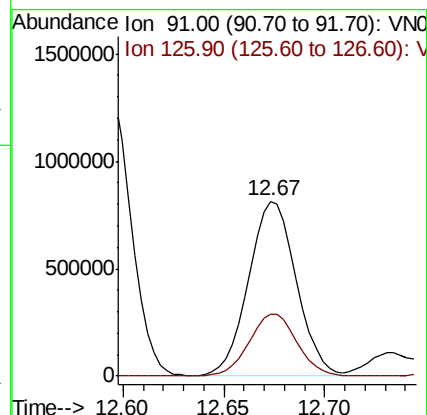
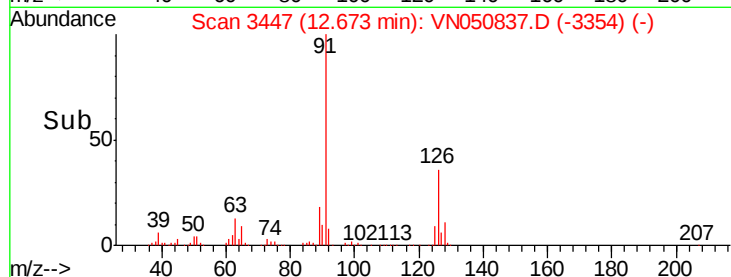
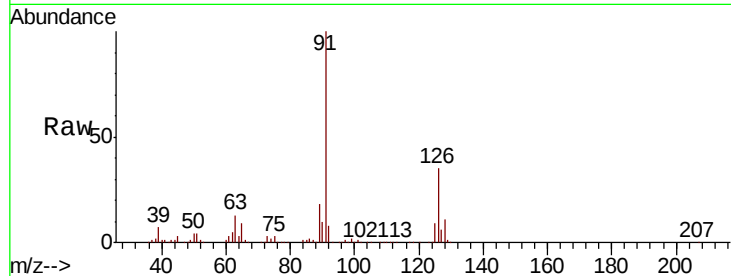
126 35.7 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.87 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050837.D

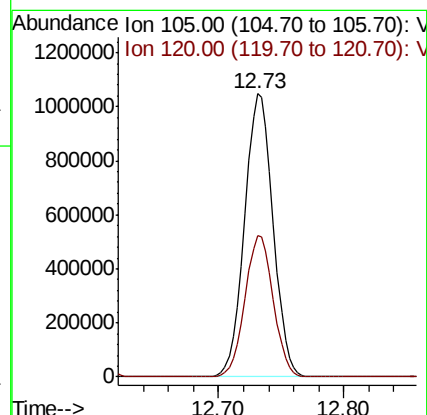
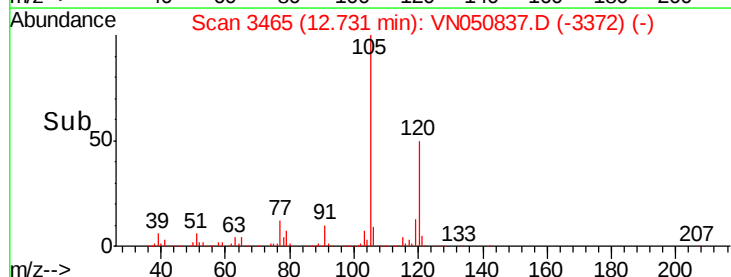
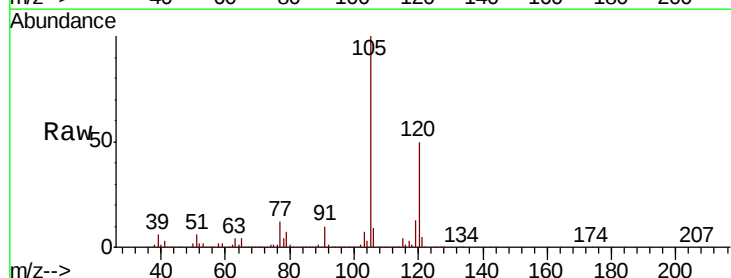
Acq: 23 Aug 2018 8:31

Tgt Ion: 105 Resp: 1646916

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.15 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 118889

Ion Ratio Lower Upper

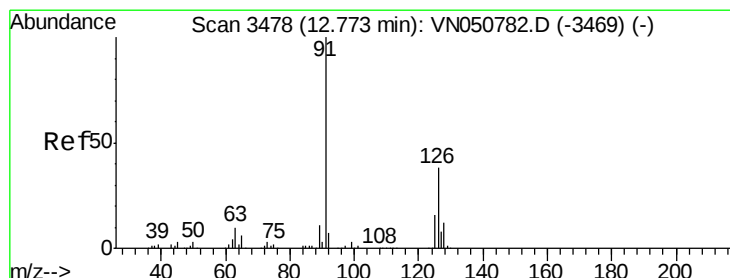
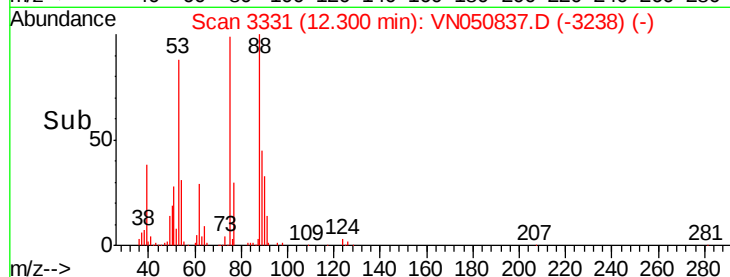
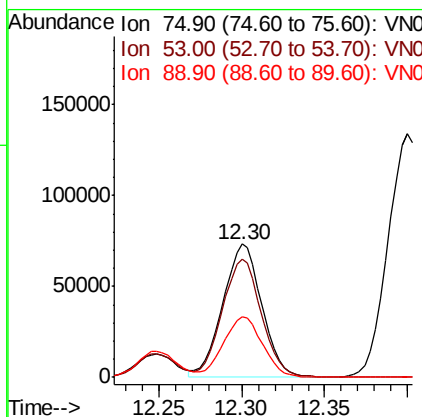
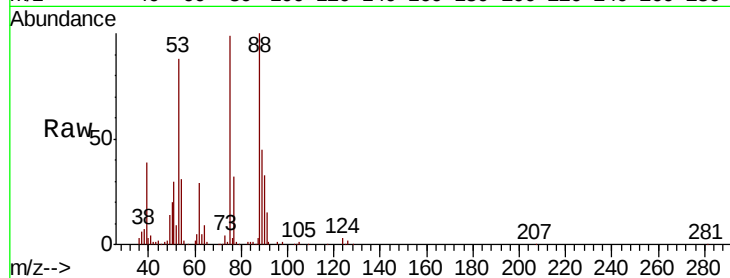
75 100

53 90.4 68.9 103.3

89 46.6 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.01 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050837.D

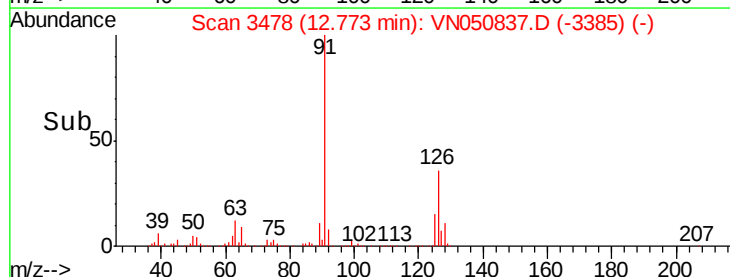
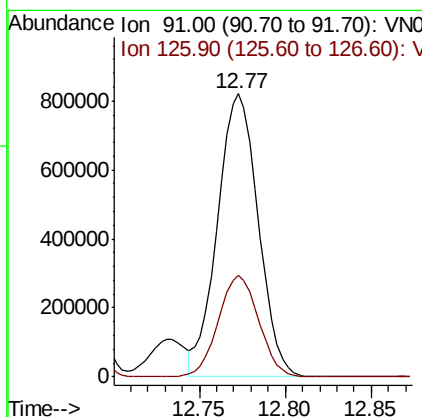
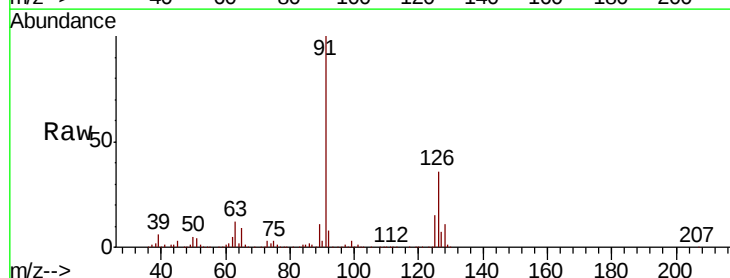
Acq: 23 Aug 2018 8:31

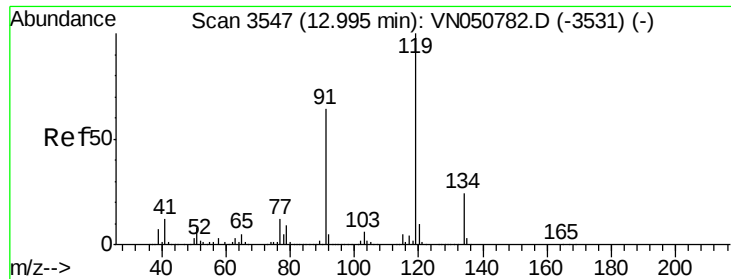
Tgt Ion: 91 Resp: 1353860

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5





#83

tert-Butylbenzene

Concen: 52.79 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1397865

Ion Ratio Lower Upper

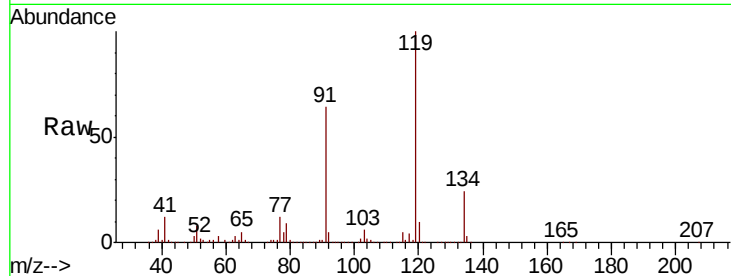
119 100

91 63.3 31.6 94.7

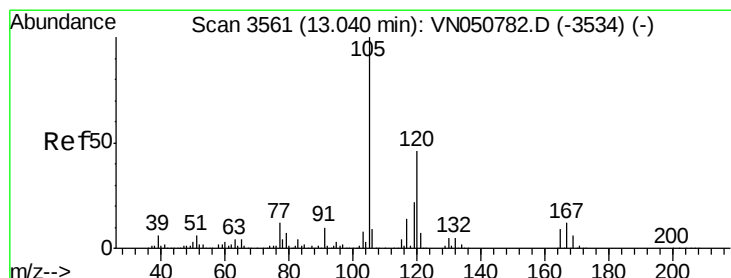
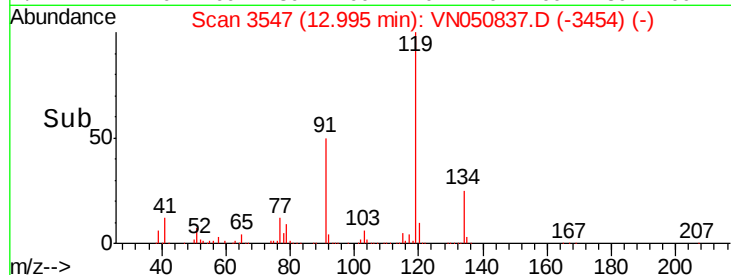
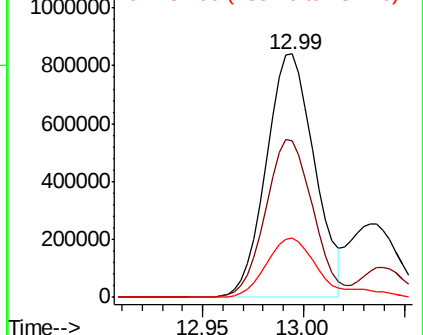
134 27.0 13.4 40.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.12 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050837.D

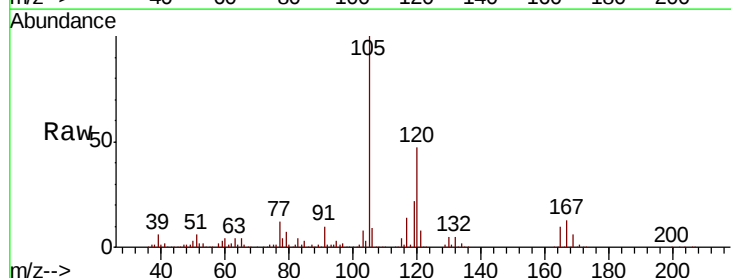
Acq: 23 Aug 2018 8:31

Tgt Ion:105 Resp: 1664459

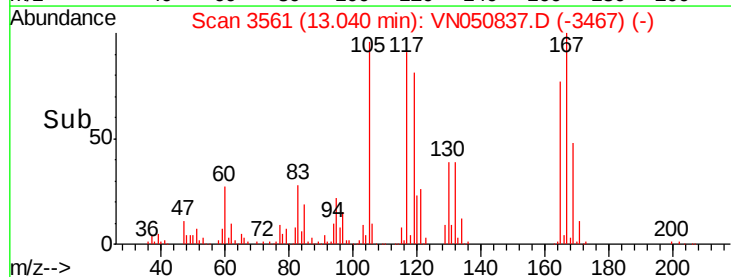
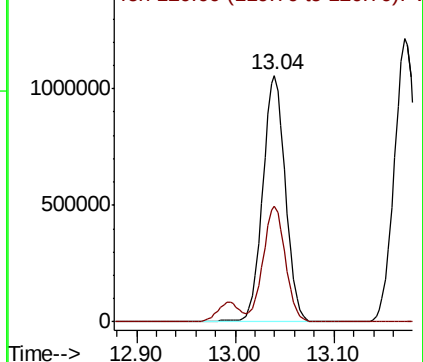
Ion Ratio Lower Upper

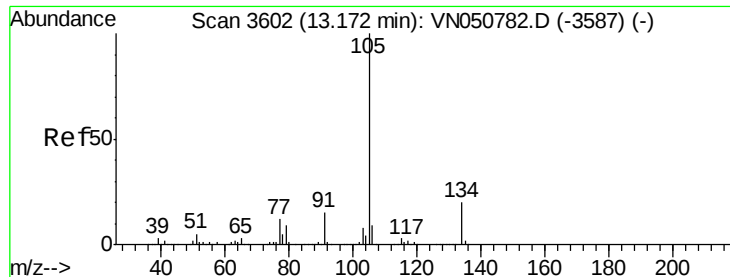
105 100

120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





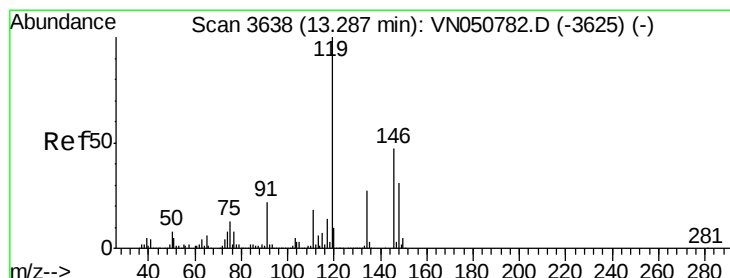
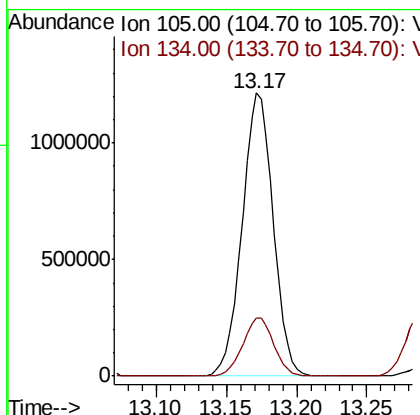
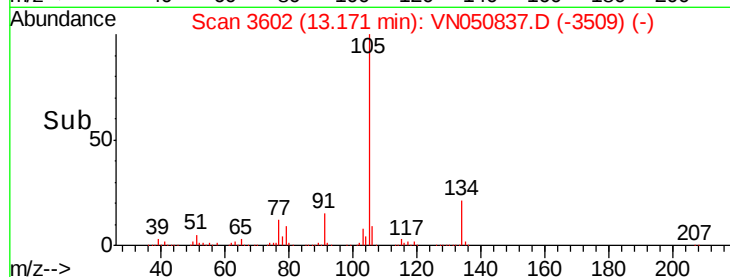
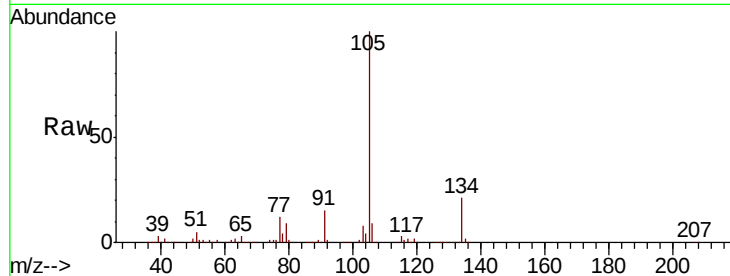
#85
 sec-Butylbenzene
 Concen: 53.81 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1866922
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

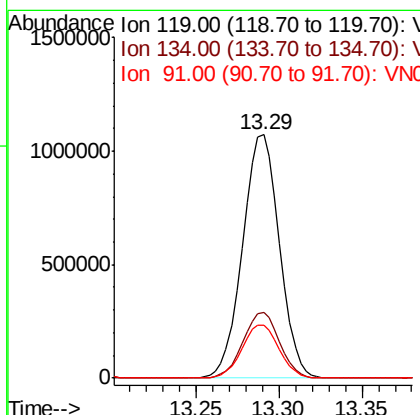
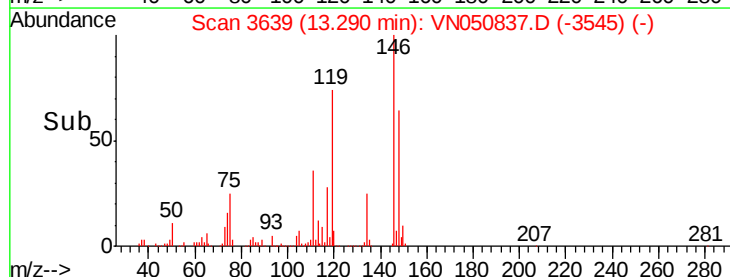
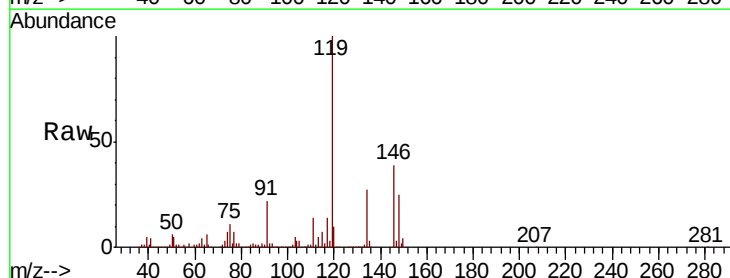
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 55.74 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion:119 Resp: 1647852
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 50.40 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

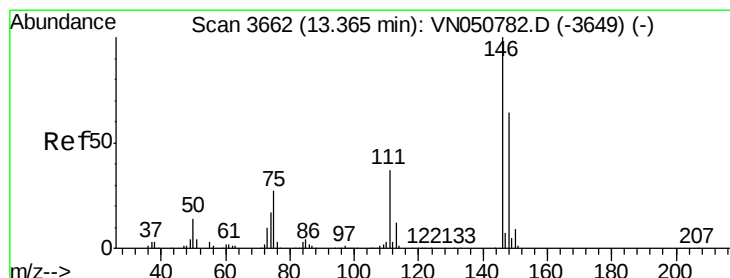
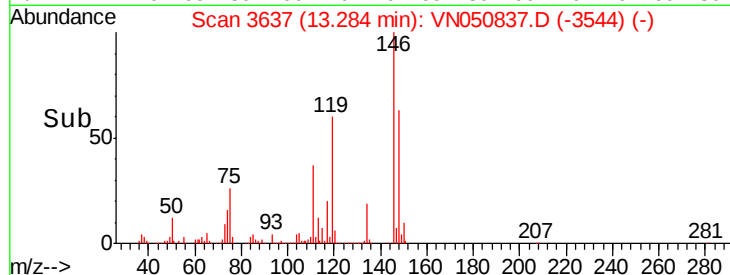
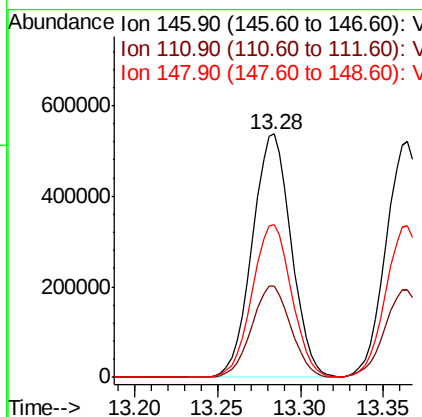
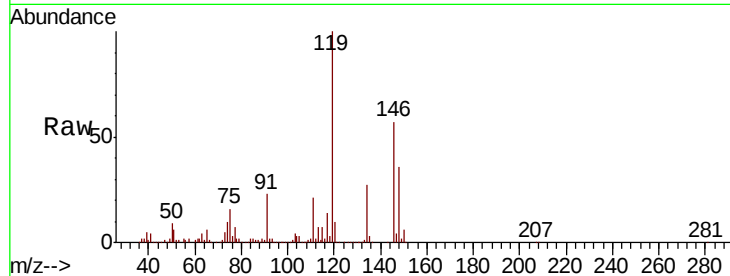
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	880745
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.1	57.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.18 ug/l

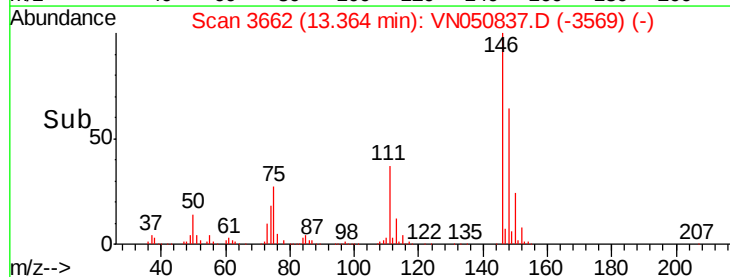
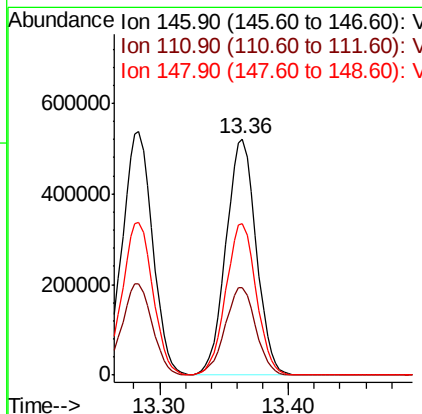
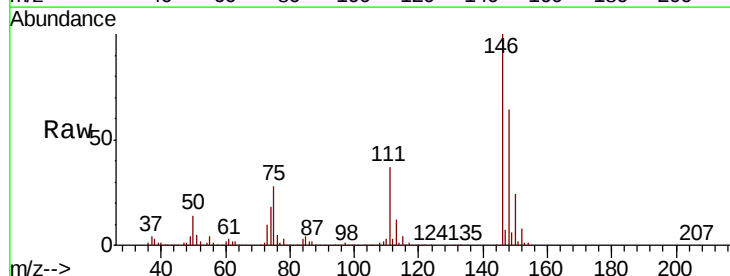
RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion:	146	Resp:	845749
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.3
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 55.54 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1313286

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.2

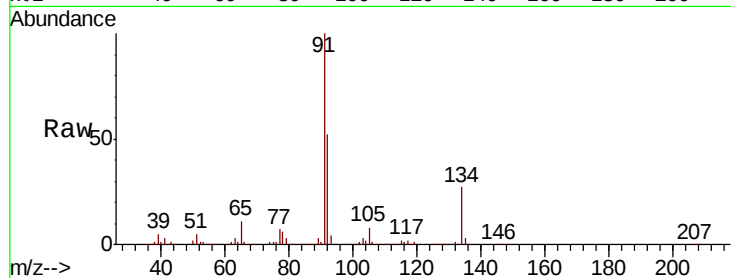
134 26.5 13.2 39.6

Manual Integrations

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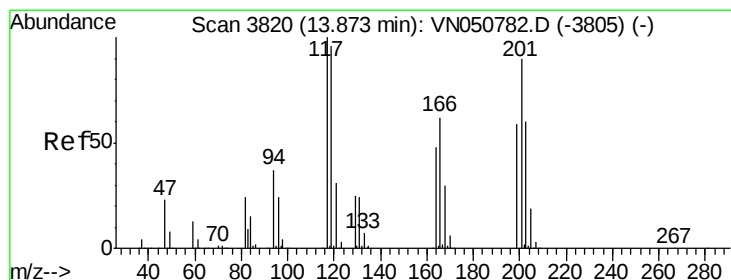
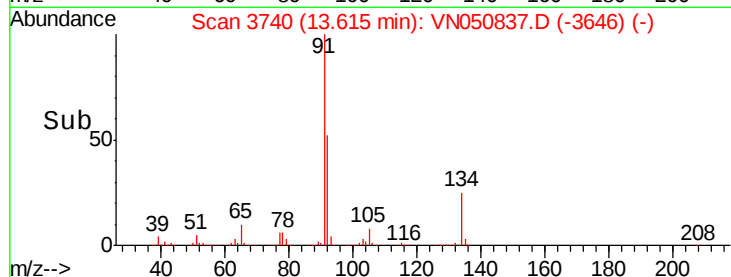
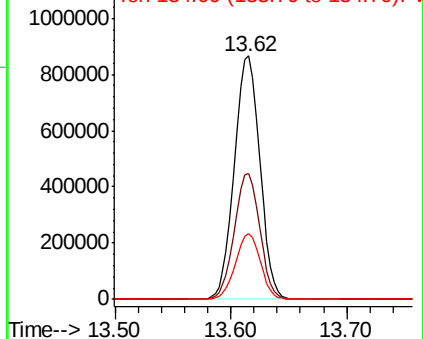


Abundance

Ion 91.00 (90.70 to 91.70): VN050837.D (-3740) (-)

Ion 92.00 (91.70 to 92.70): VN050837.D (-3740) (-)

Ion 134.00 (133.70 to 134.70): VN050837.D (-3740) (-)



#90

Hexachloroethane

Concen: 51.67 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050837.D

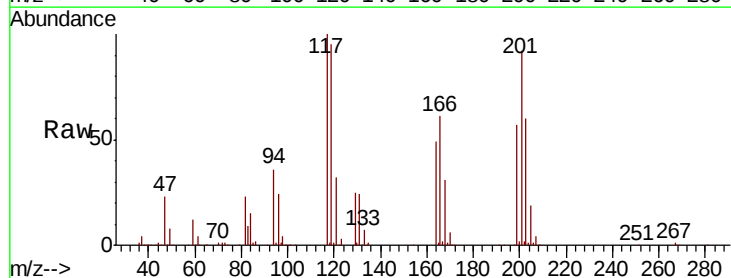
Acq: 23 Aug 2018 8:31

Tgt Ion: 117 Resp: 291183

Ion Ratio Lower Upper

117 100

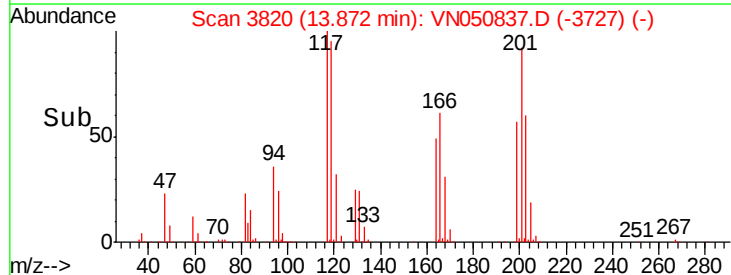
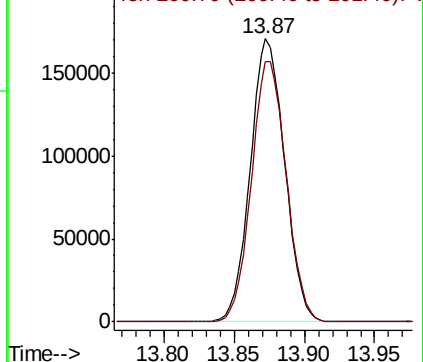
201 93.0 46.0 137.8

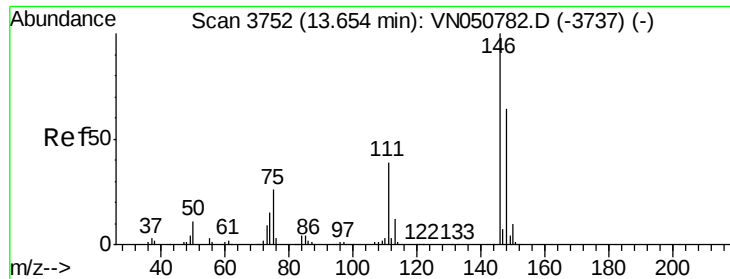


Abundance

Ion 116.80 (116.50 to 117.50): VN050837.D (-3820) (-)

Ion 200.70 (200.40 to 201.40): VN050837.D (-3820) (-)





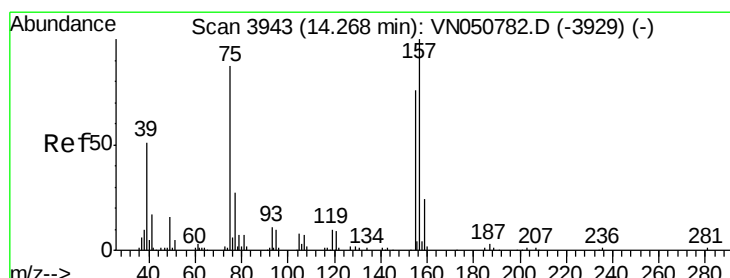
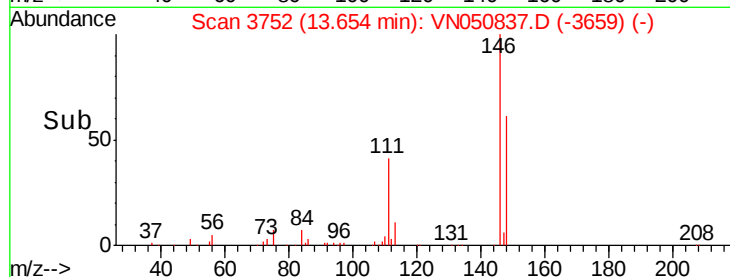
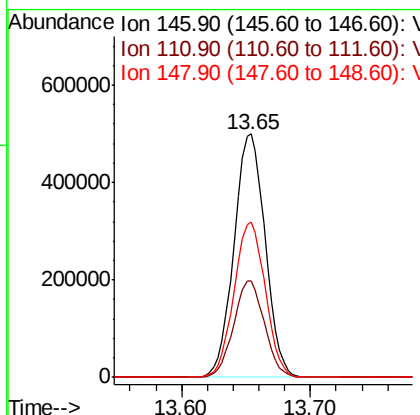
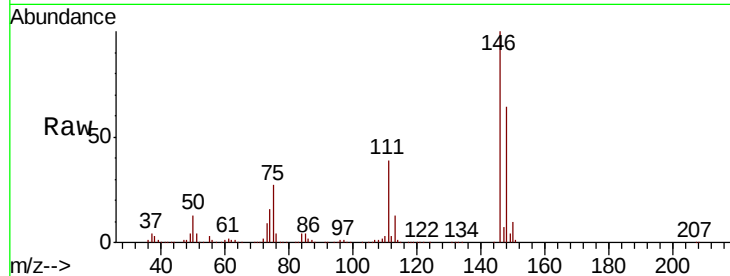
#91
 1,2-Dichlorobenzene
 Concen: 49.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.2	32.3	96.8

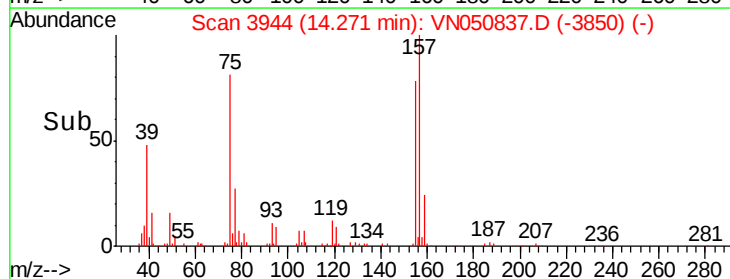
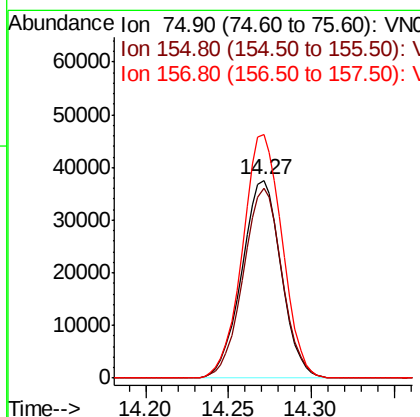
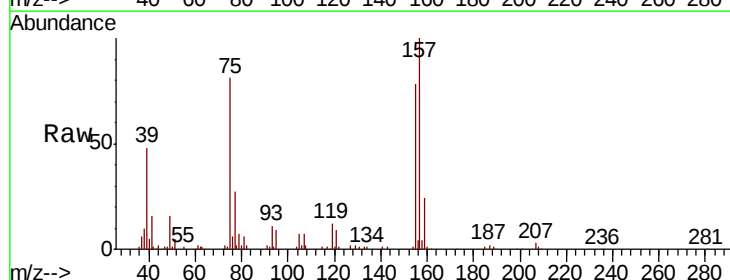
Manual Integrations
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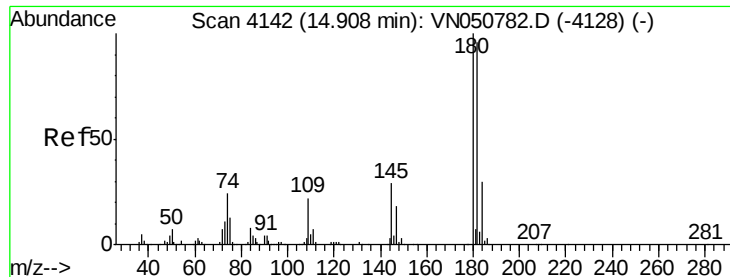
MMDadoda
 8/24/2018 10:40:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.58 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.4	139.1
157	124.0	60.7	182.0





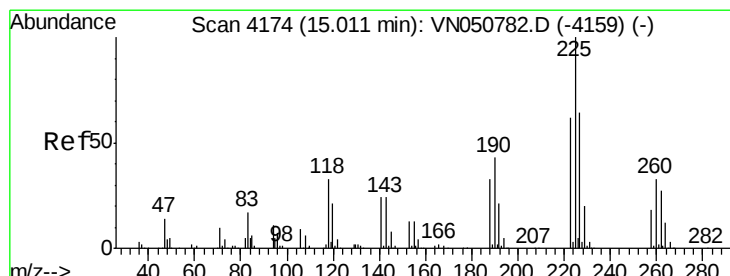
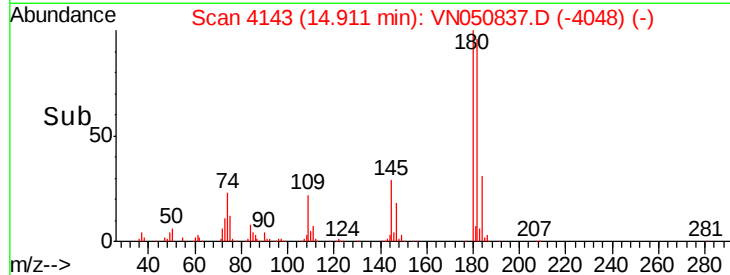
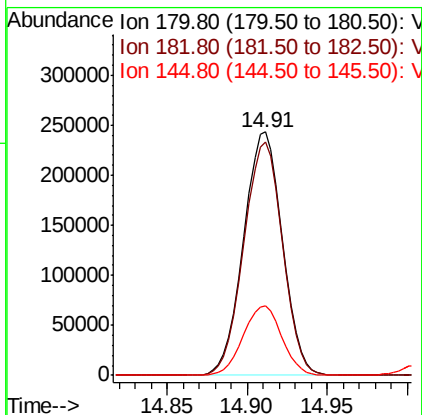
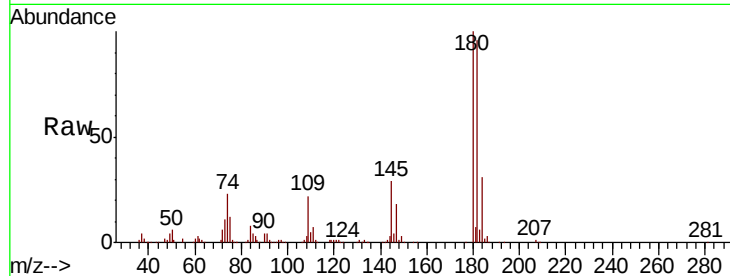
#93
 1,2,4-Trichlorobenzene
 Concen: 46.31 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.2	144.6	
145	28.4	14.1	42.2	

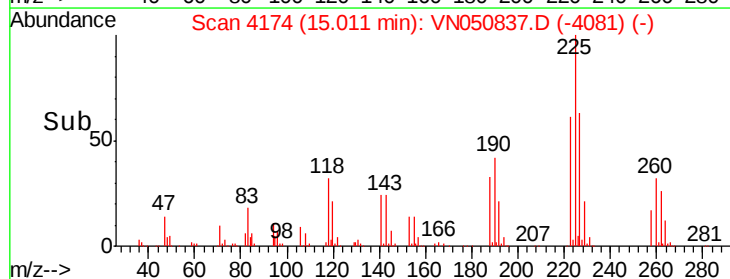
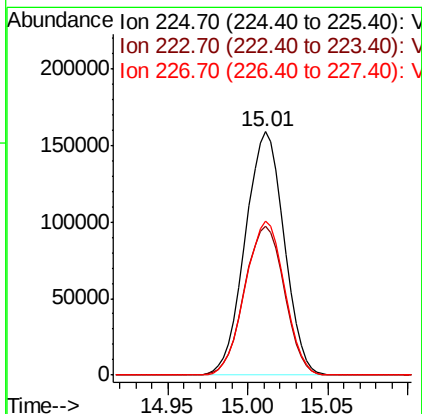
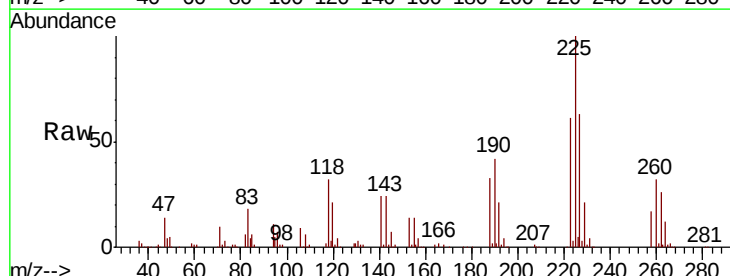
Manual Integrations
 APPROVED

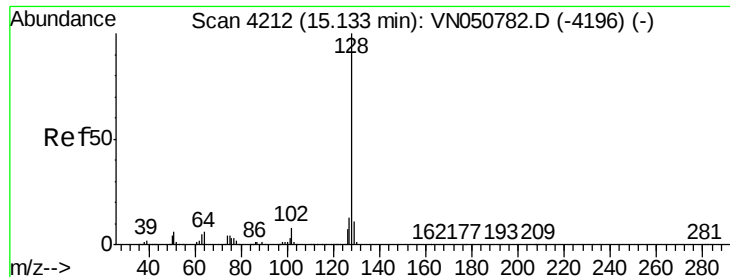
MMDadoda
 8/24/2018 10:40:28 AM



#94
 Hexachlorobutadiene
 Concen: 52.99 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.3	93.8	
227	64.1	32.0	96.2	





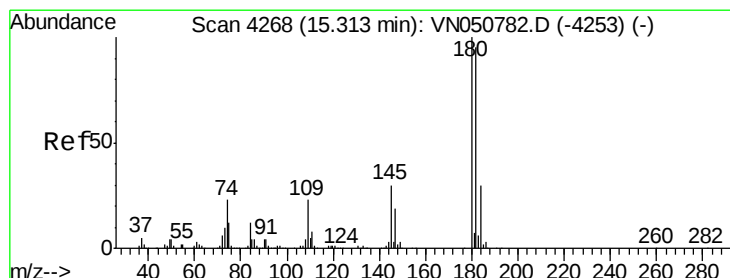
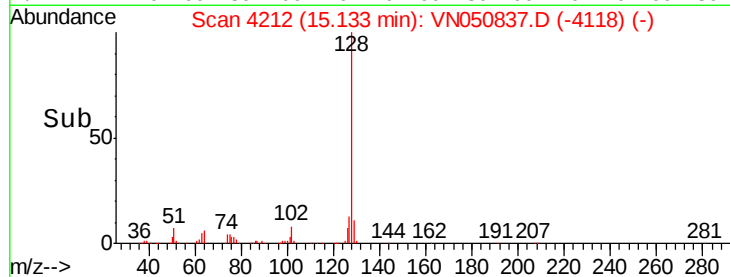
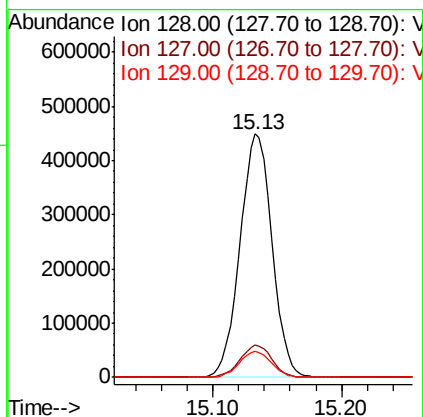
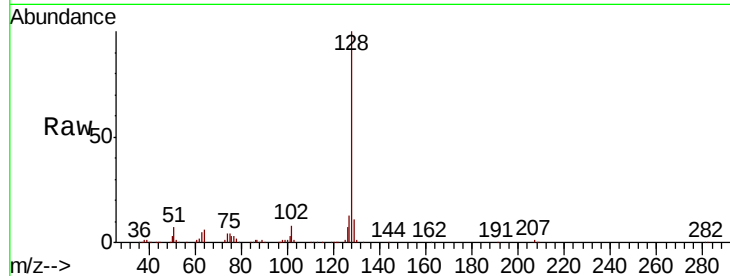
#95
Naphthalene
Concen: 43.24 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	775539		
127	13.2		10.5	15.7
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/24/2018 10:40:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.41 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	388272		
182	96.3		48.0	144.2
145	30.1		15.2	45.6

