

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063783.D
 Acq On : 1 Oct 2020 19:45
 Operator : JC/MD
 Sample : PB132009ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#05

Quant Time: Oct 02 02:16:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	211643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	418881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170400	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	185363	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.55	113	135266	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.06	98	520791	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	208977	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	

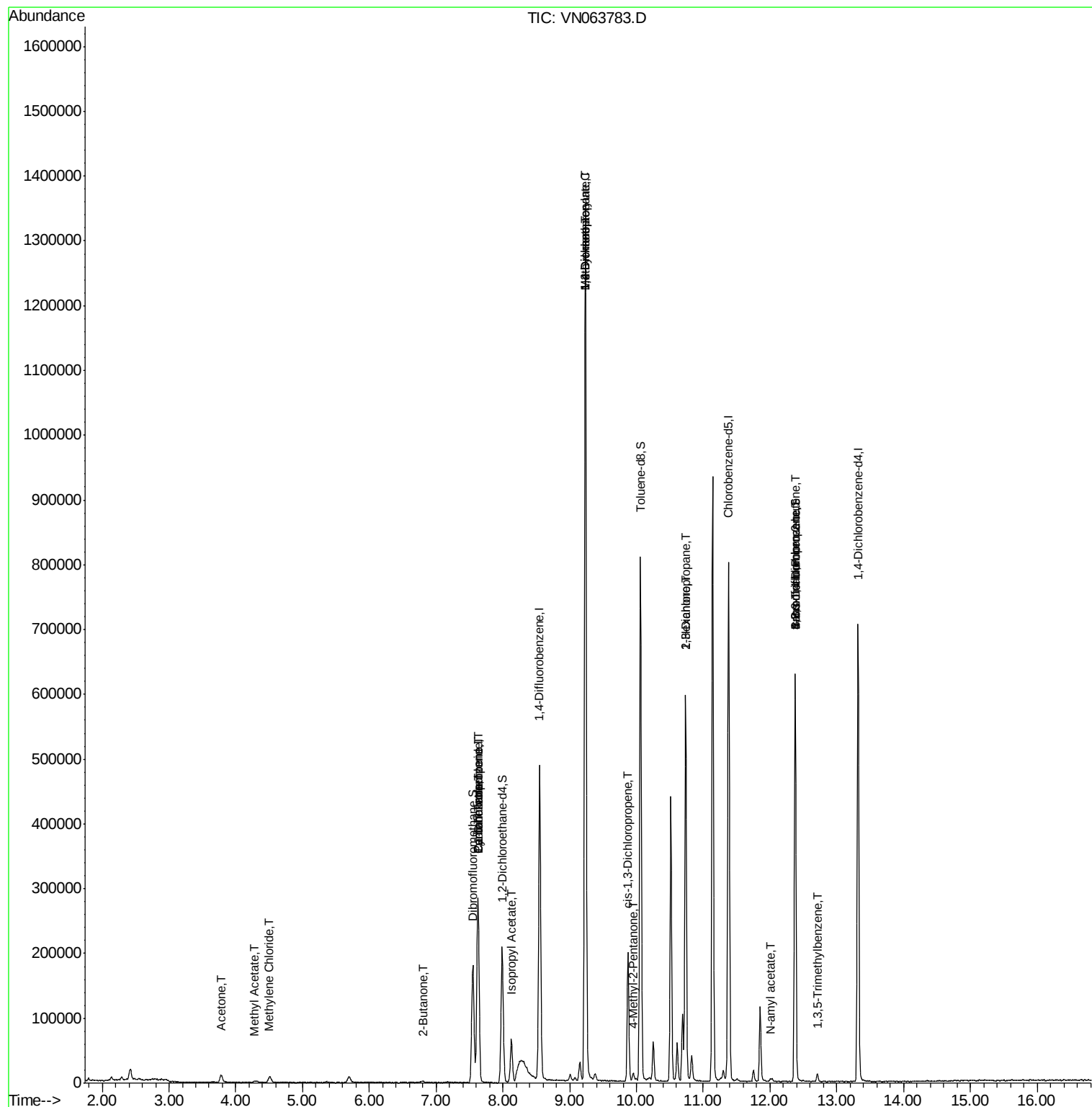
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	20587	19.127	ug/l	99
18) Methyl Acetate	4.28	43	2100	0.751	ug/l #	86
20) Methylene Chloride	4.51	84	7099	2.972	ug/l #	91
25) 2-Butanone	6.81	43	2960	1.940	ug/l #	88
31) Cyclohexane	7.62	56	6652	1.639	ug/l #	45
36) 1,1-Dichloropropene	7.62	75	19834	4.881	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23400	5.135	ug/l #	14
43) Isopropyl Acetate	8.13	43	79202	11.894	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1502	0.479	ug/l #	44
48) Methyl methacrylate	9.23	41	143211	43.529	ug/l #	47
49) 1,4-Dioxane	9.24	88	30	0.642	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8678	2.221	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	31677	6.341	ug/l #	68
57) 1,3-Dichloropropane	10.74	76	5845	1.200	ug/l #	43
59) 2-Hexanone	10.74	43	92645	31.914	ug/l #	55
71) Bromoform	12.37	173	725	0.288	ug/l #	1
74) N-amyl acetate	12.01	43	4823	3.014	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	119027	31.687	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6346	0.609	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	119027	91.265	ug/l #	6

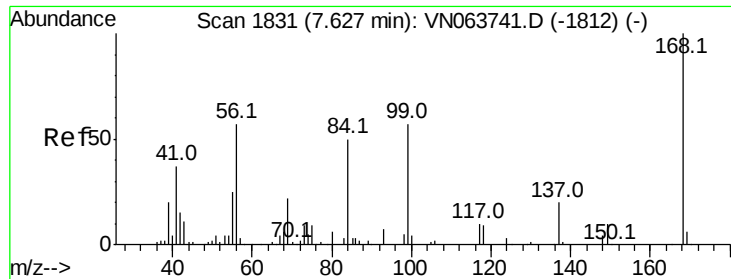
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

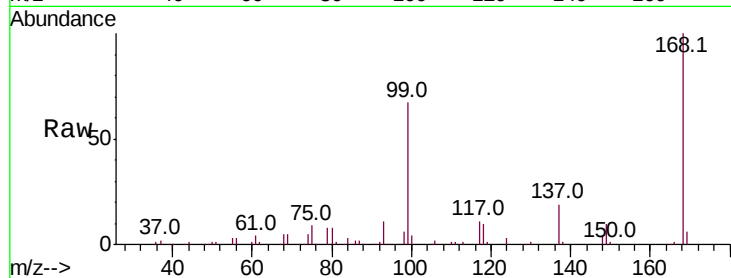
PB132009ZHE#05

Tot Ion:168 Resp: 211643

Ion Ratio Lower Upper

168 100

99 66.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

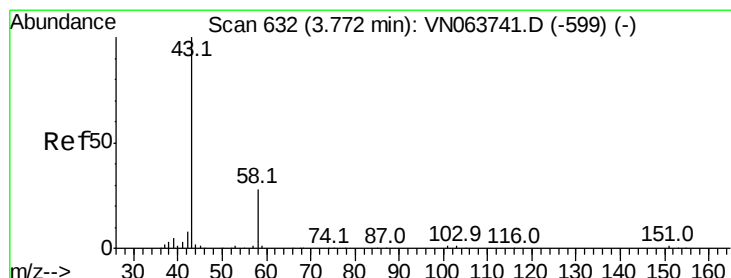
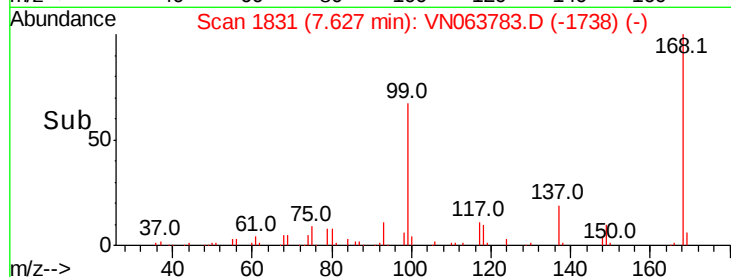
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 19.127 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063783.D

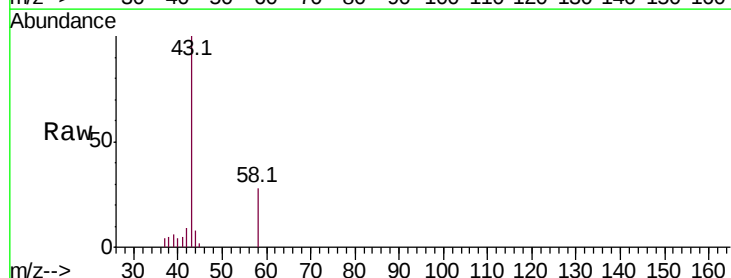
Acq: 1 Oct 2020 19:45

Tgt Ion: 43 Resp: 20587

Ion Ratio Lower Upper

43 100

58 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

8000

6000

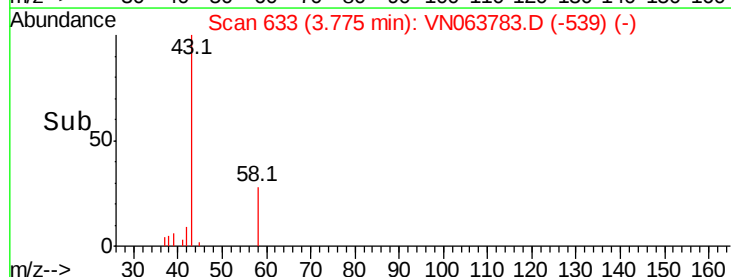
4000

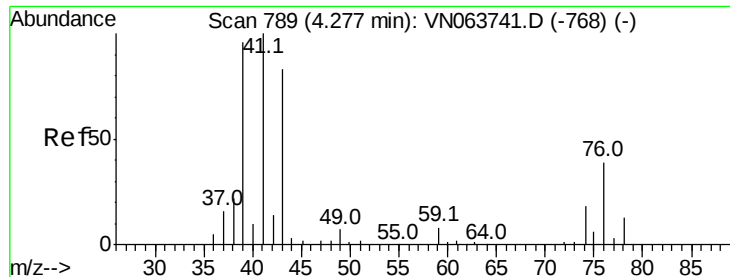
2000

0

3.70 3.80 3.90

Time-->

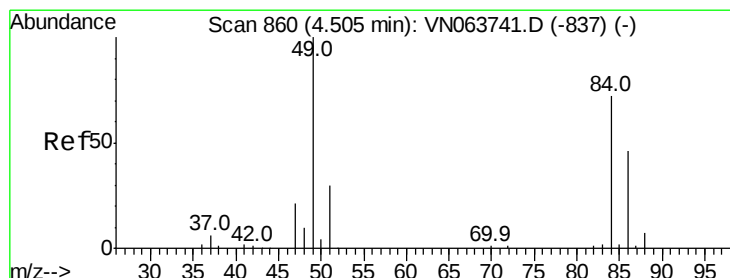
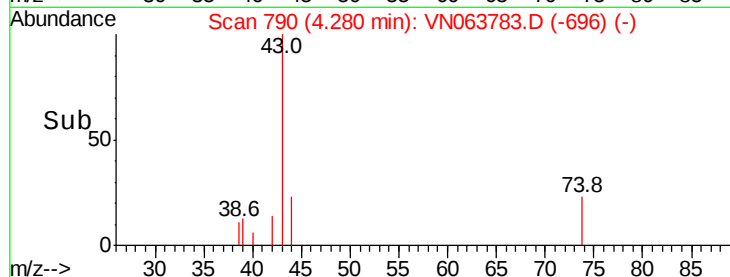
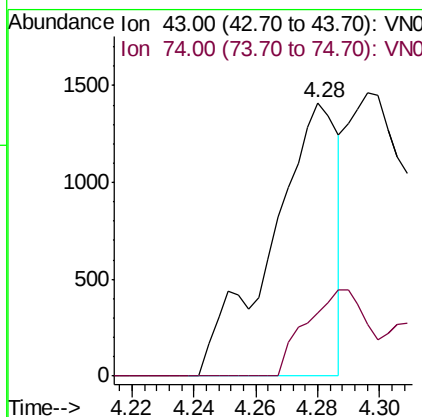
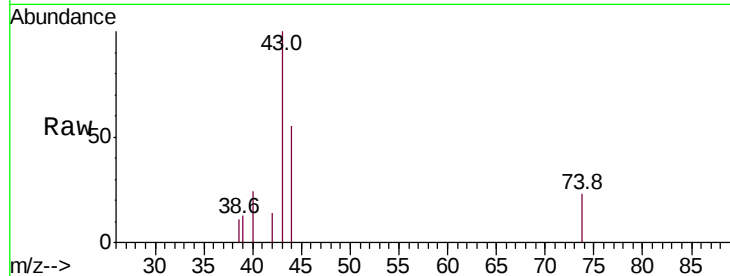




#18
Methyl Acetate
Concen: 0.751 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

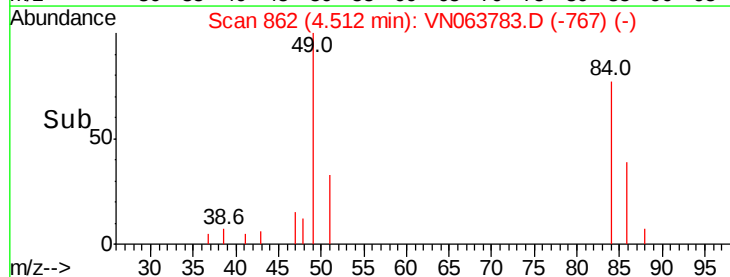
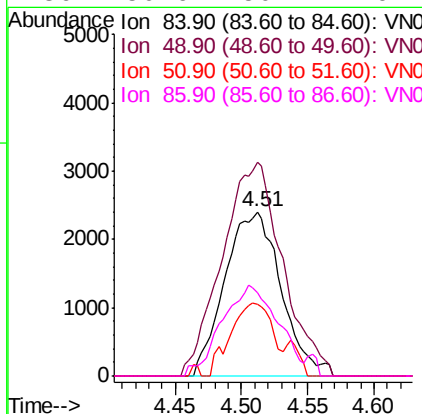
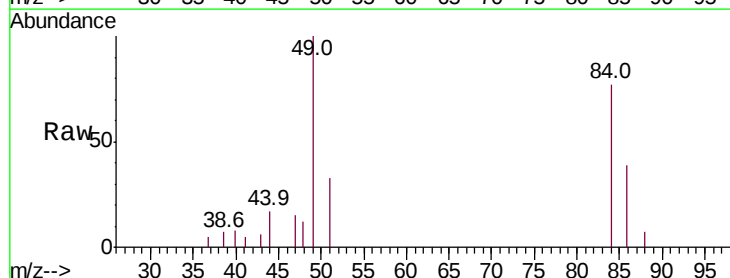
Instrument :
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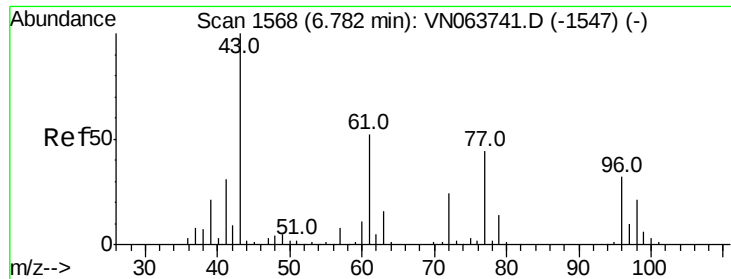
Tot Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
74 28.7 17.4 26.2#



#20
Methylene Chloride
Concen: 2.972 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

Tgt Ion: 84 Resp: 7099
Ion Ratio Lower Upper
84 100
49 129.9 110.4 165.6
51 43.5 33.3 49.9
86 50.6 50.7 76.1#

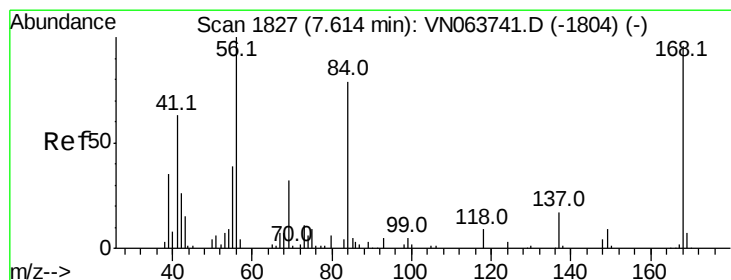
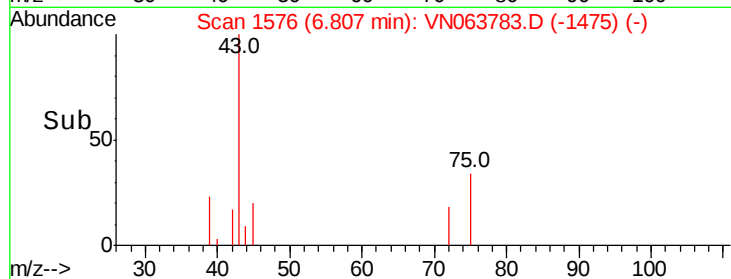
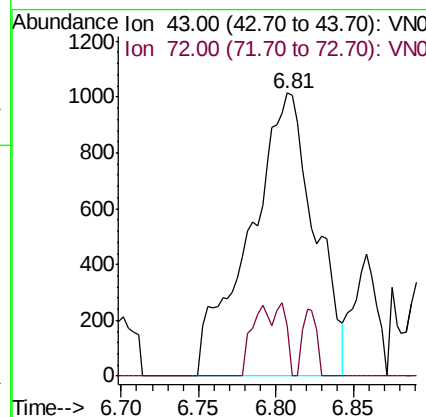
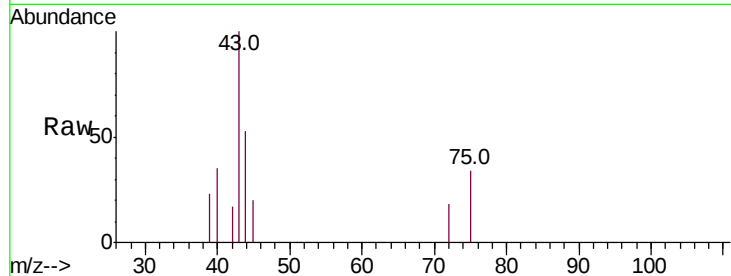




#25
2-Butanone
Concen: 1.940 ug/l
RT: 6.81 min Scan# 1576
Delta R.T. 0.03 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

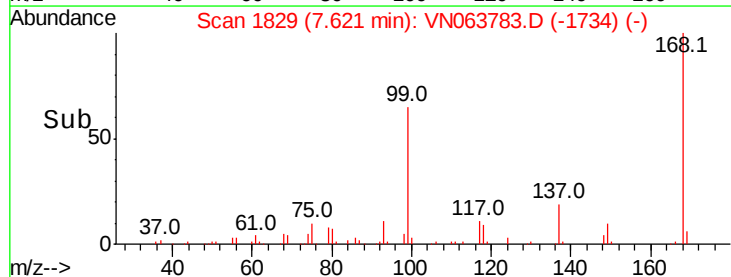
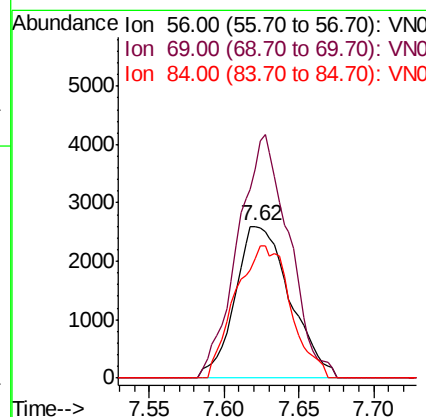
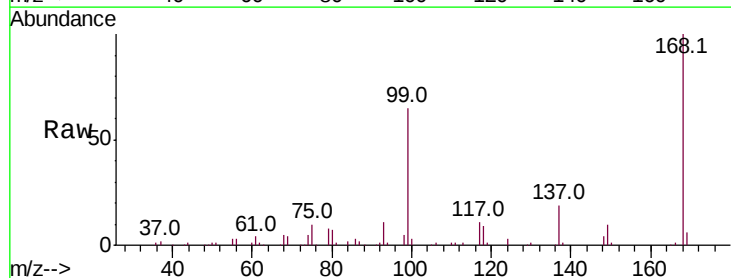
Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#05

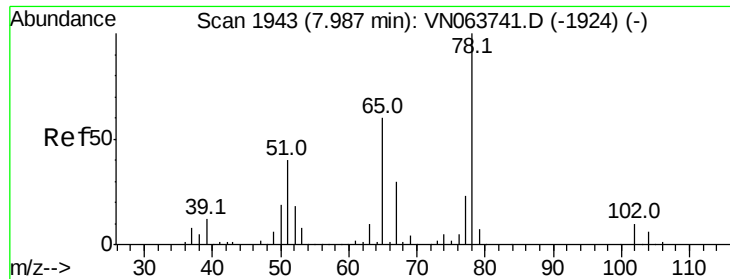
Tot Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
72 18.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.639 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

Tgt Ion: 56 Resp: 6652
Ion Ratio Lower Upper
56 100
69 138.1 25.4 38.2#
84 79.2 63.3 94.9

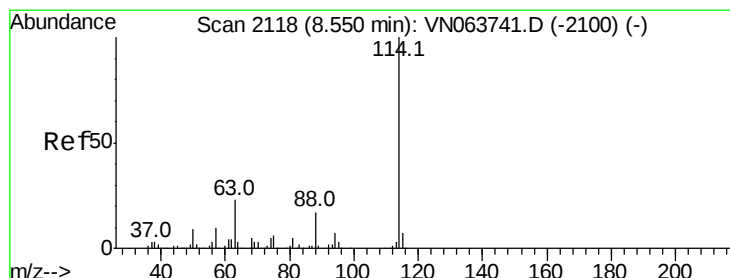
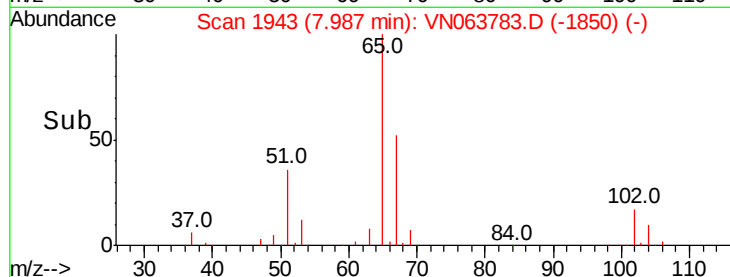
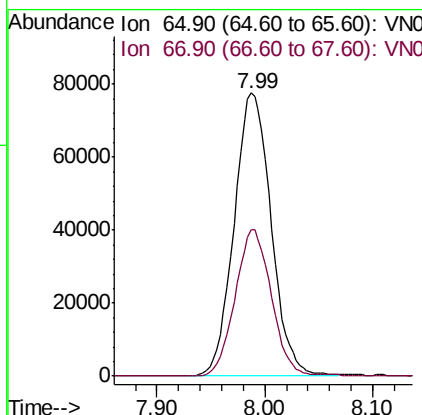
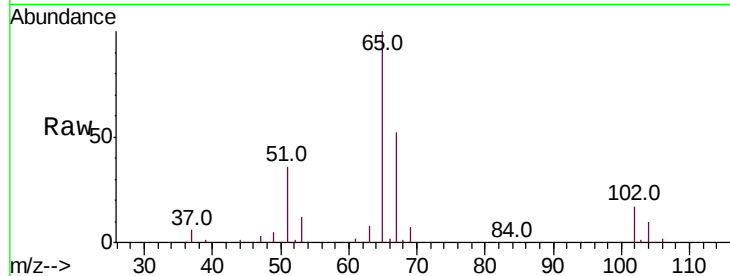




#33
 1,2-Dichloroethane-d4
 Concen: 53.014 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

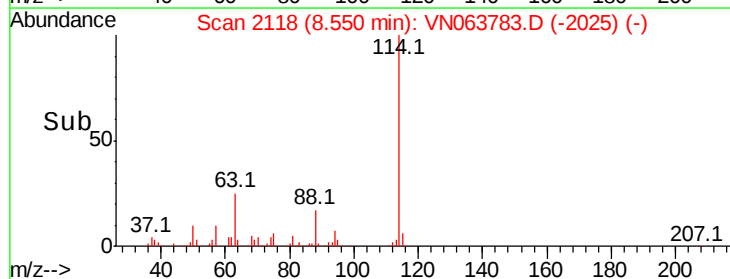
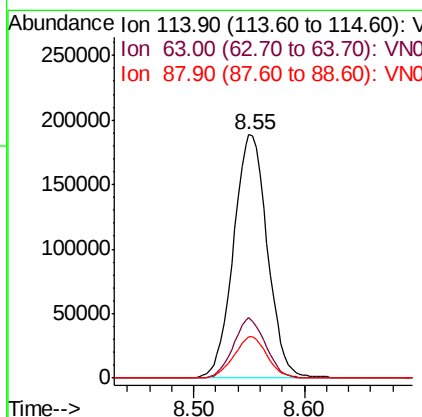
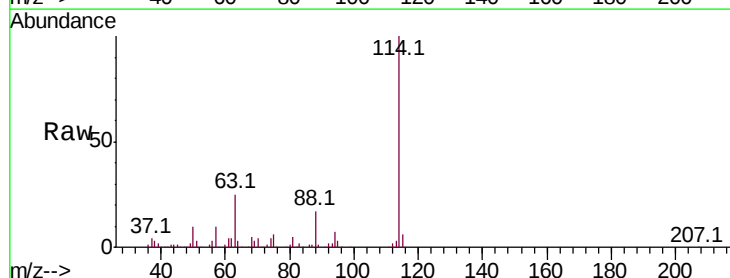
Instrument :
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 ClientSampleId :
 PB132009ZHE#05

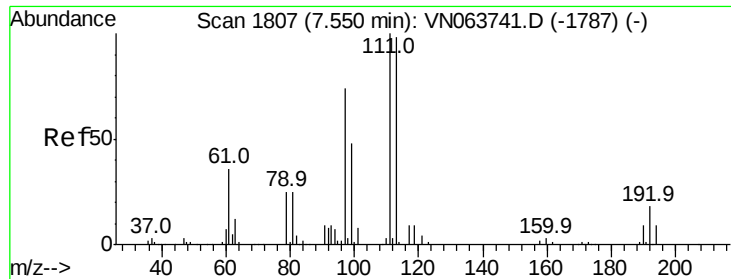
Tot Ion: 65 Resp: 185363
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

Tgt Ion: 114 Resp: 401095
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 45.0
 88 17.0 0.0 34.0

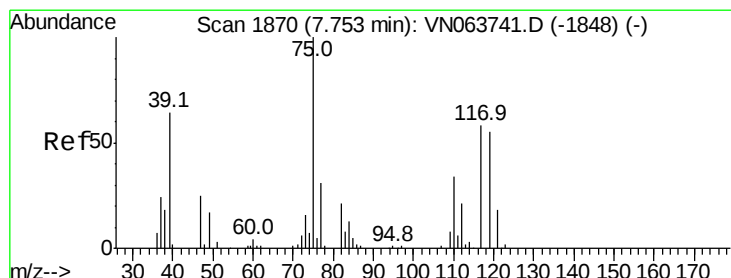
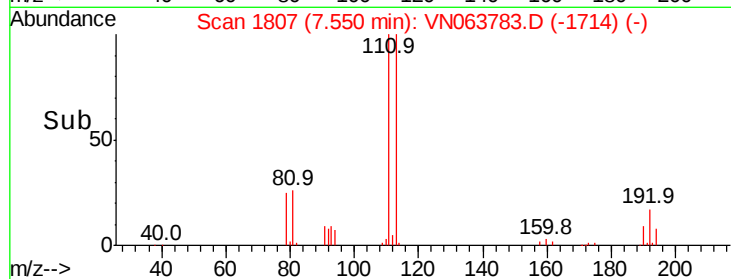
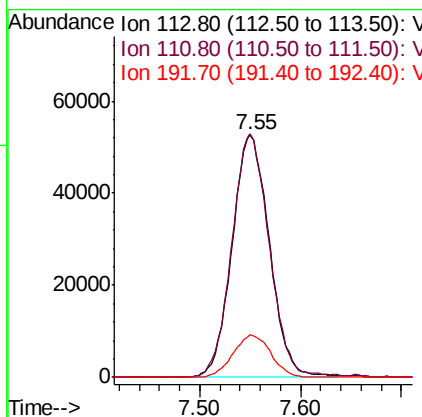
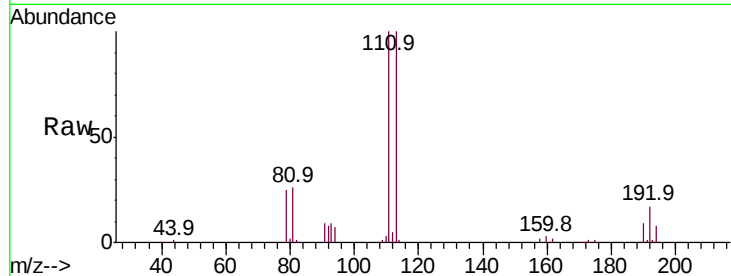




#35
 Dibromofluoromethane
 Concen: 48.603 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

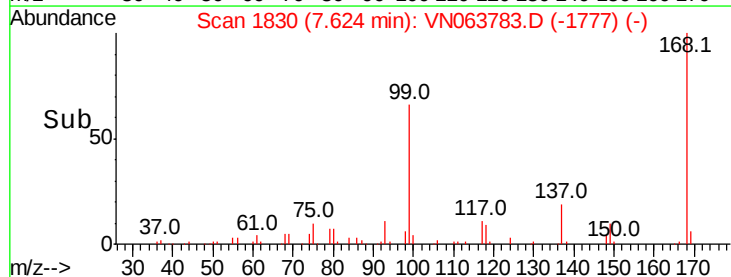
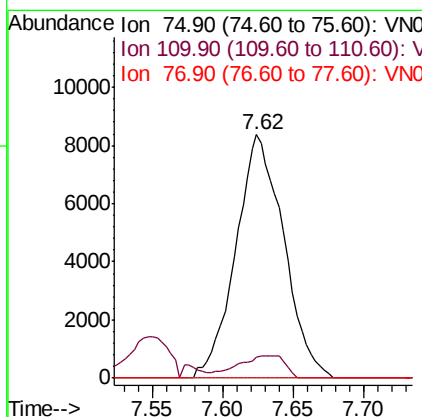
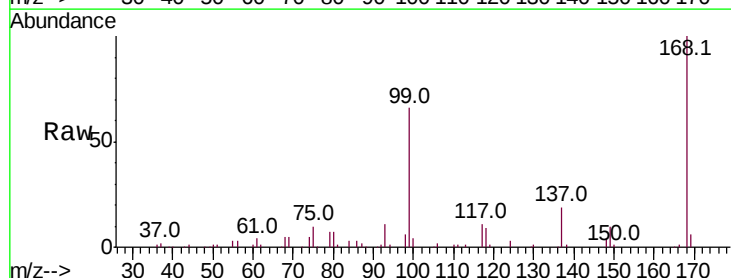
Instrument :
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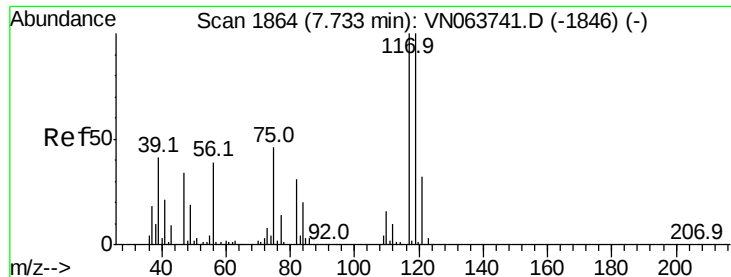
Tot Ion:113 Resp: 135266
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.8 122.8
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

Tgt Ion: 75 Resp: 19834
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.135 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#05

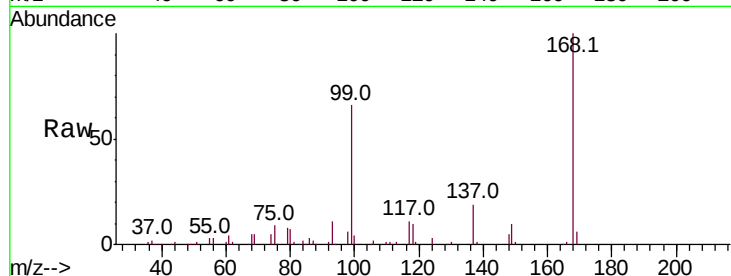
Tot Ion:117 Resp: 23400

Ion Ratio Lower Upper

117 100

119 5.0 80.1 120.1#

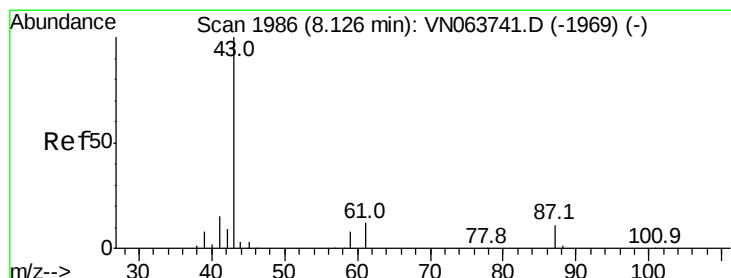
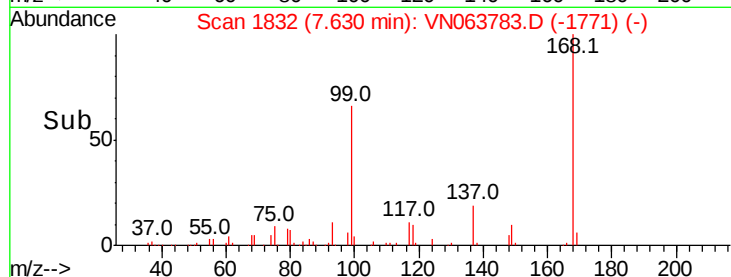
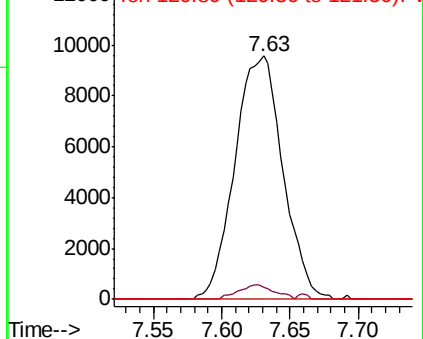
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.894 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

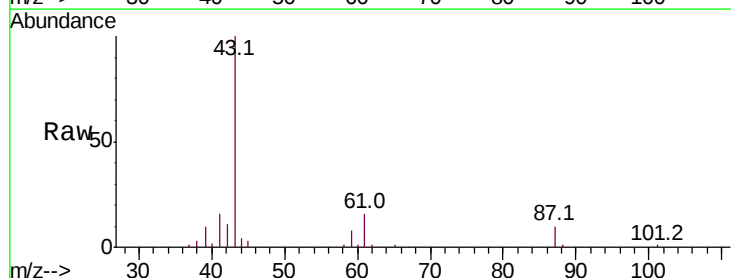
Tgt Ion: 43 Resp: 79202

Ion Ratio Lower Upper

43 100

61 17.3 14.2 21.4

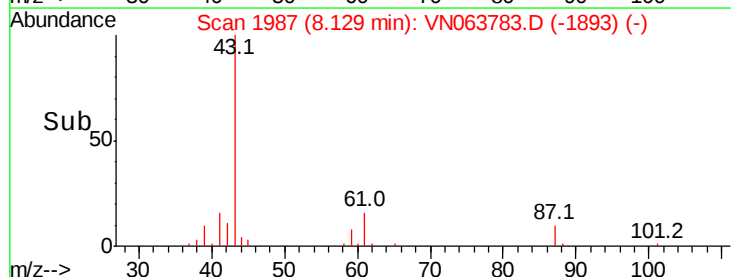
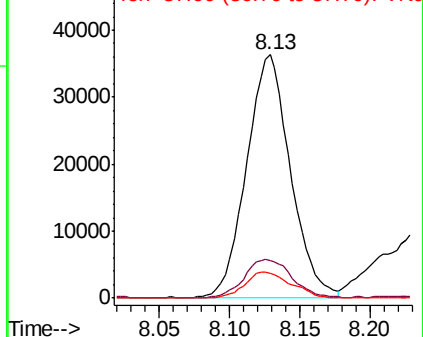
87 11.1 9.0 13.6

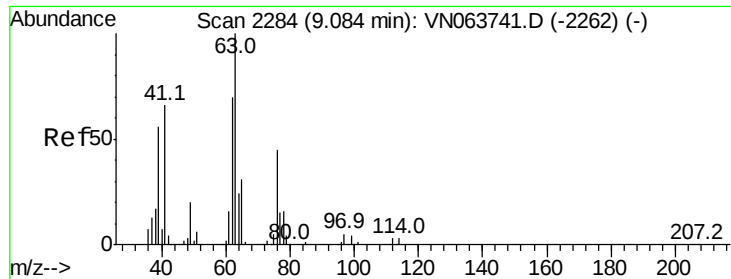


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

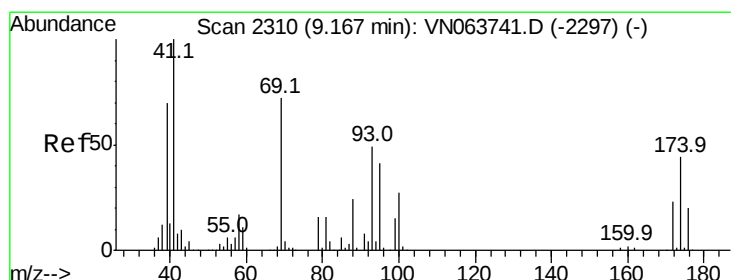
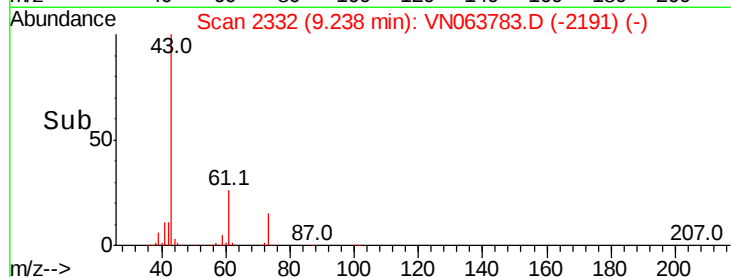
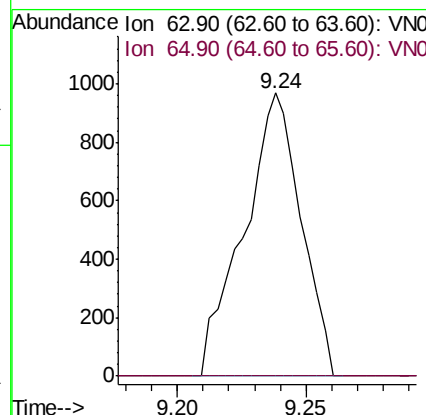
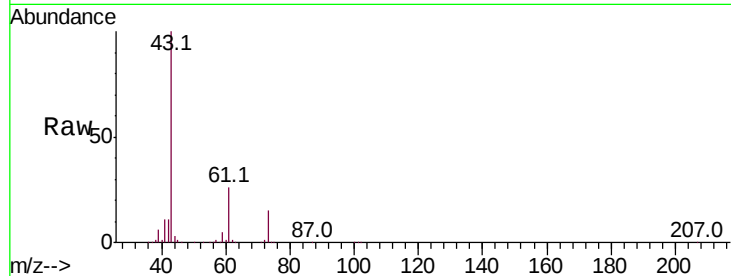




#45
 1,2-Dichloropropane
 Concen: 0.479 ug/l
 RT: 9.24 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

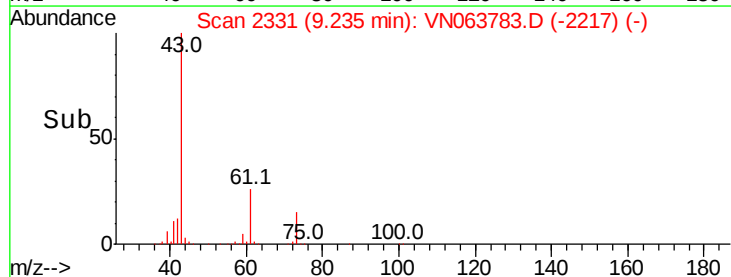
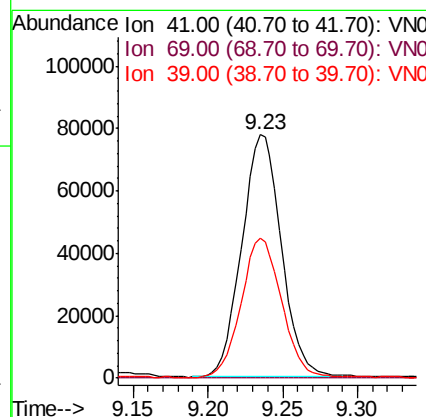
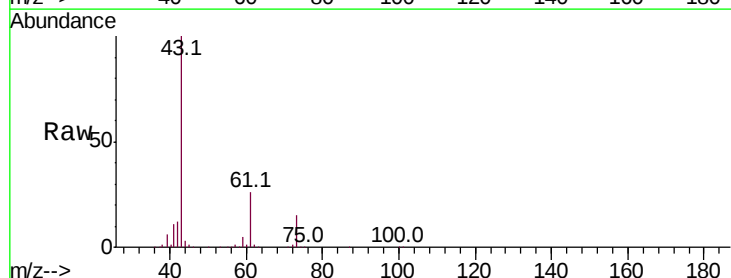
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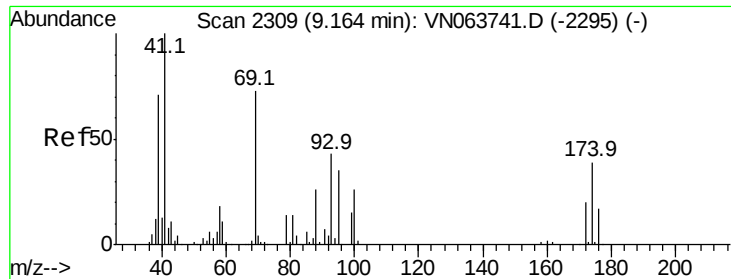
Tot Ion: 63 Resp: 1502
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 43.529 ug/l
 RT: 9.23 min Scan# 2331
 Delta R.T. 0.07 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

Tgt Ion: 41 Resp: 143211
 Ion Ratio Lower Upper
 41 100
 69 0.1 60.9 91.3#
 39 58.5 57.5 86.3





#49

1,4-Dioxane

Concen: 0.642 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.08 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#05

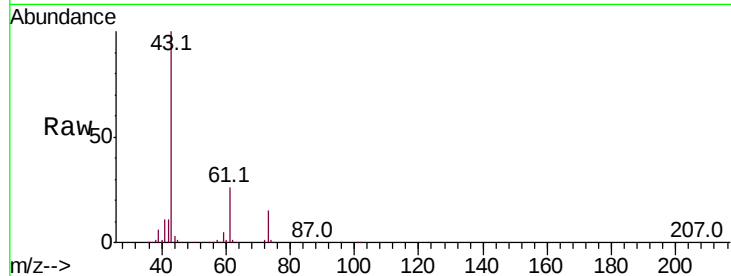
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 4538536.7 33.1 49.7#

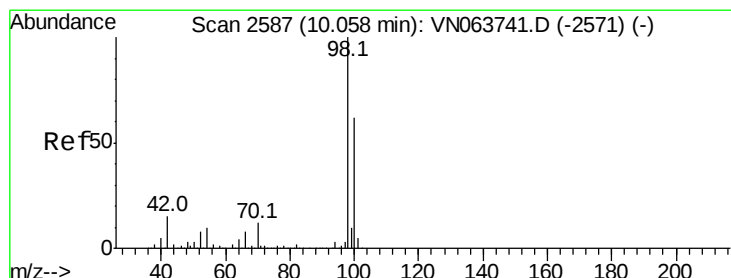
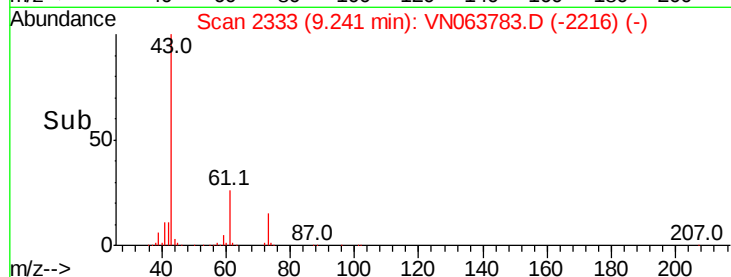
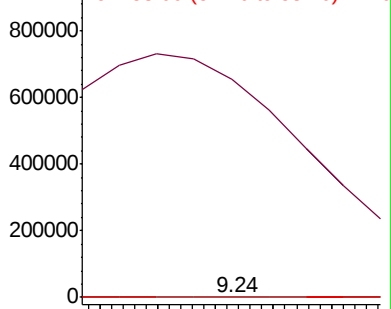
58 20496.7 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.362 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063783.D

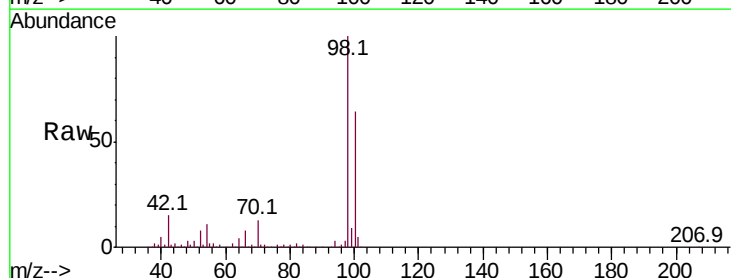
Acq: 1 Oct 2020 19:45

Tgt Ion: 98 Resp: 520791

Ion Ratio Lower Upper

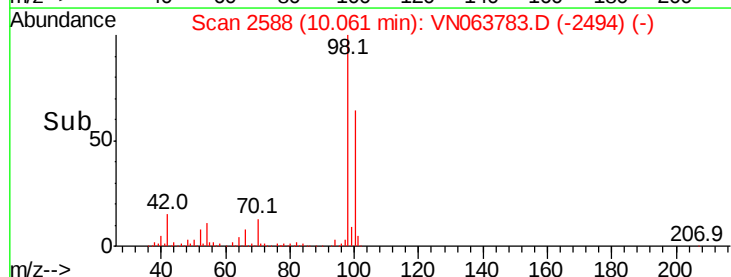
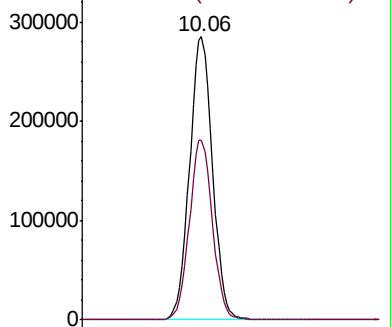
98 100

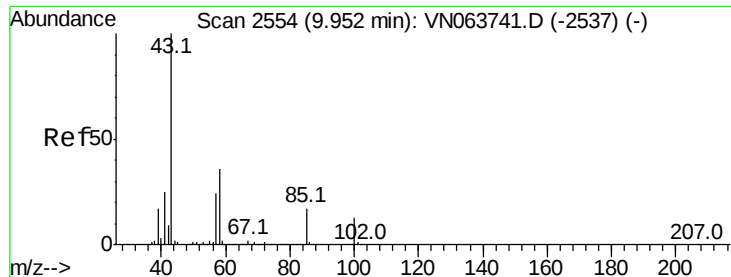
100 63.8 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

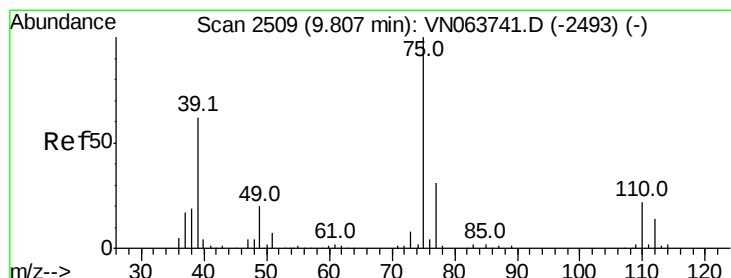
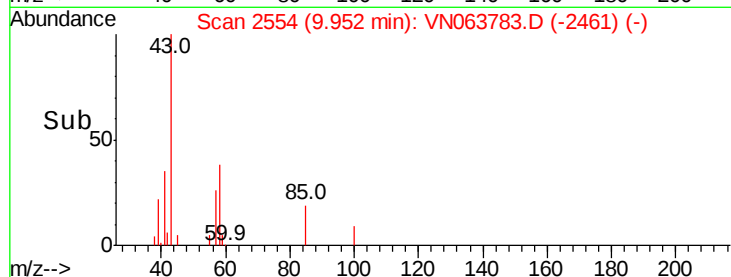
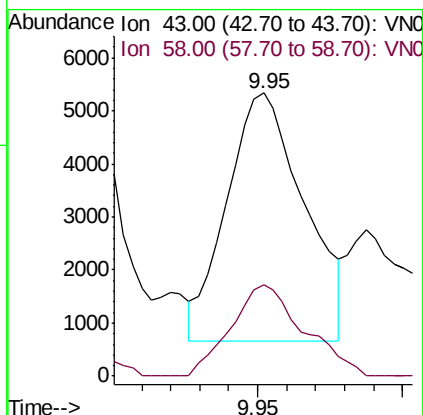
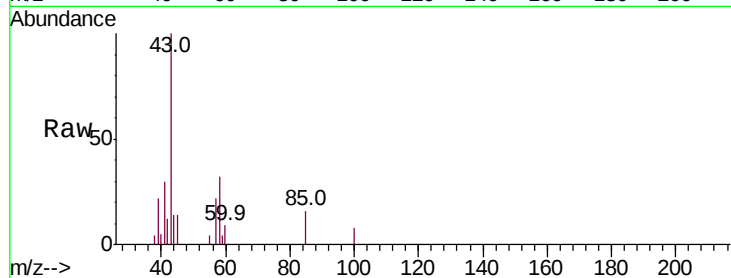




#51
4-Methyl-2-Pentanone
Concen: 2.221 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

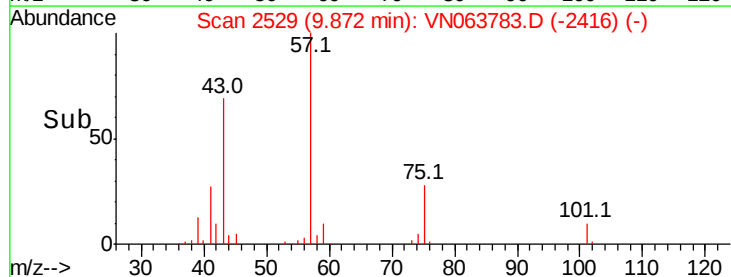
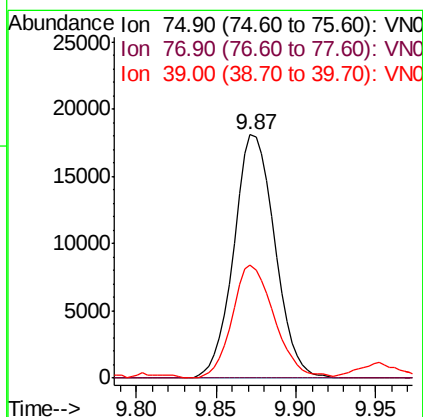
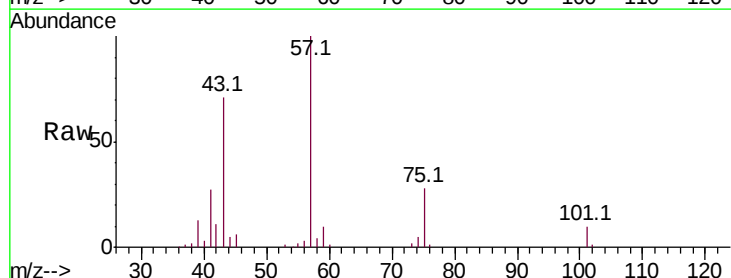
Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#05

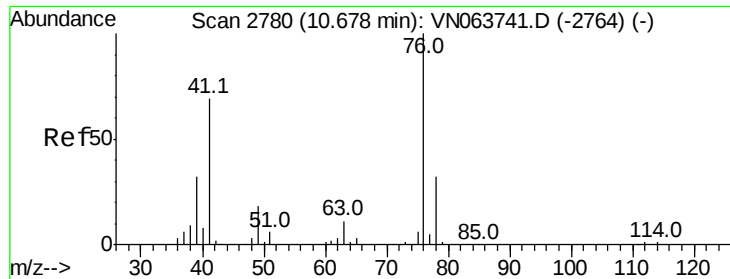
Tot Ion: 43 Resp: 8678
Ion Ratio Lower Upper
43 100
58 34.7 28.4 42.6



#54
cis-1,3-Dichloropropene
Concen: 6.341 ug/l
RT: 9.87 min Scan# 2529
Delta R.T. 0.06 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

Tgt Ion: 75 Resp: 31677
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 46.2 49.7 74.5#





#57

1,3-Dichloropropane

Concen: 1.200 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

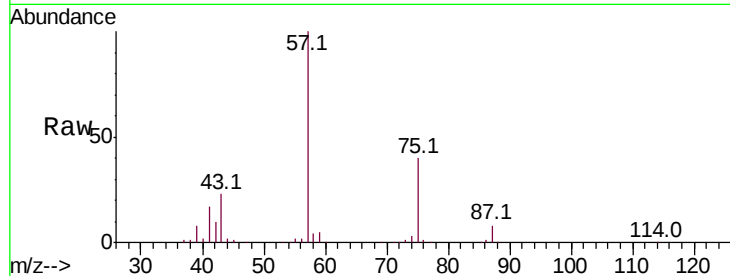
PB132009ZHE#05

Tot Ion: 76 Resp: 5845

Ion Ratio Lower Upper

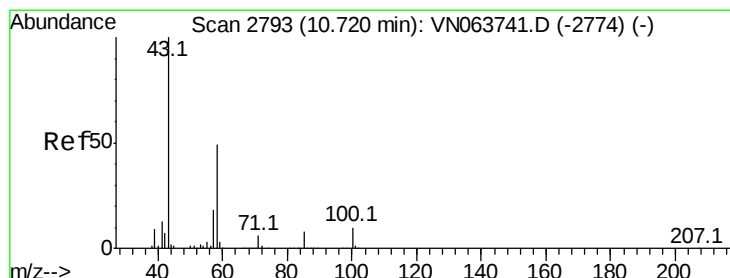
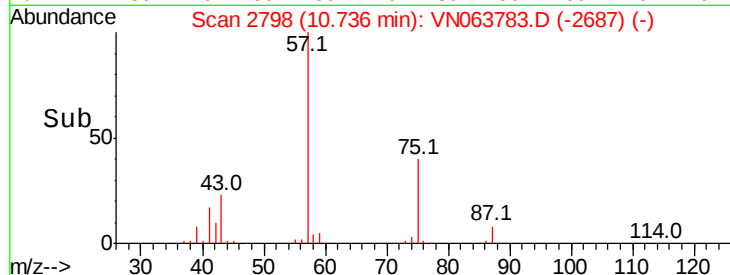
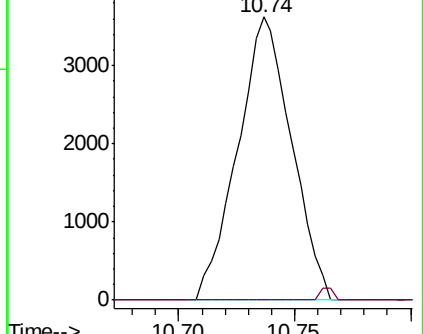
76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 31.914 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063783.D

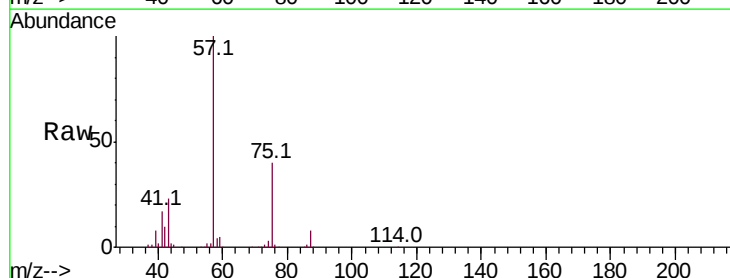
Acq: 1 Oct 2020 19:45

Tgt Ion: 43 Resp: 92645

Ion Ratio Lower Upper

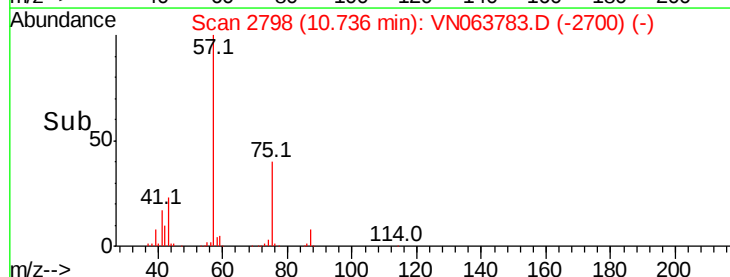
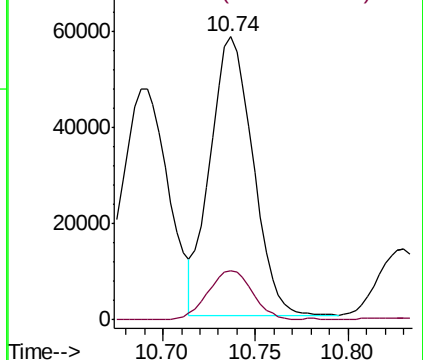
43 100

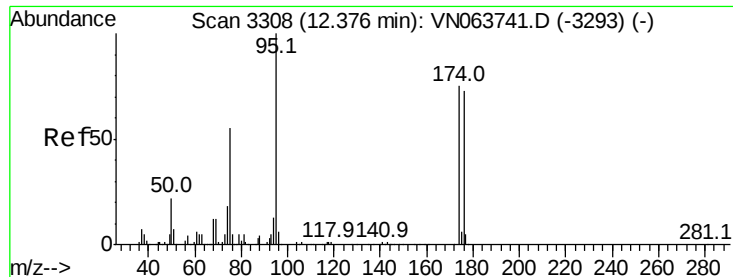
58 18.5 24.6 73.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.692 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#05

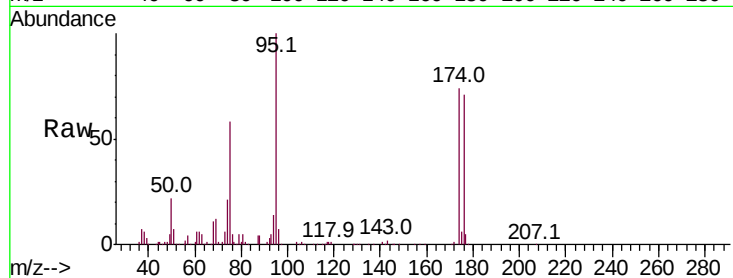
Tot Ion: 95 Resp: 208977

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.6

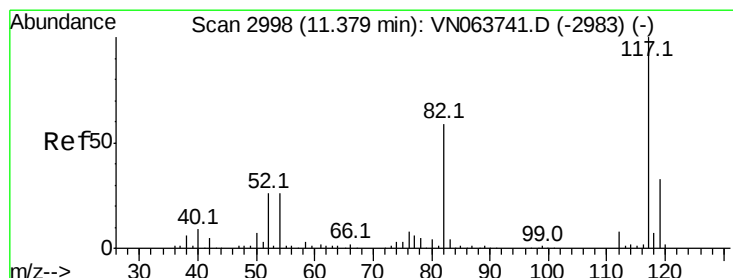
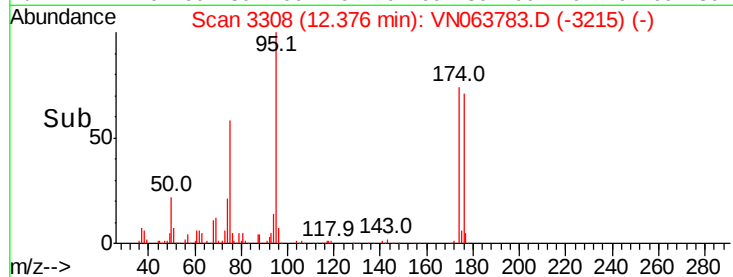
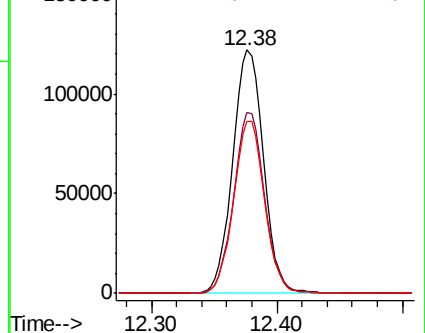
176 70.7 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

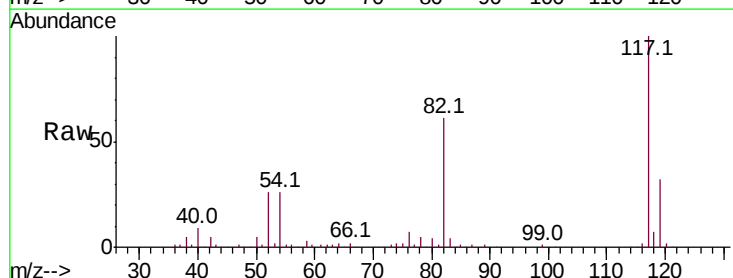
Tgt Ion: 117 Resp: 418881

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

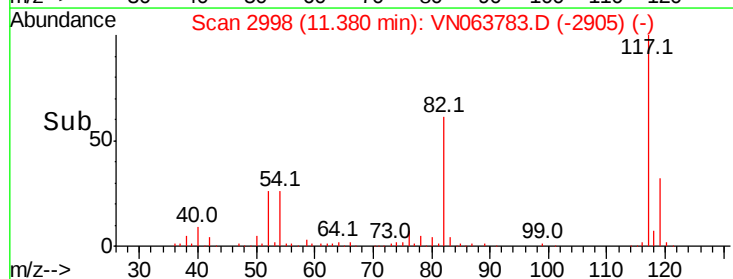
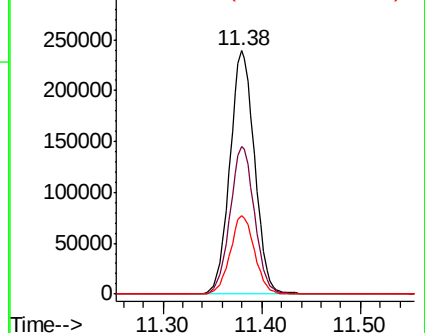
119 32.1 26.4 39.6

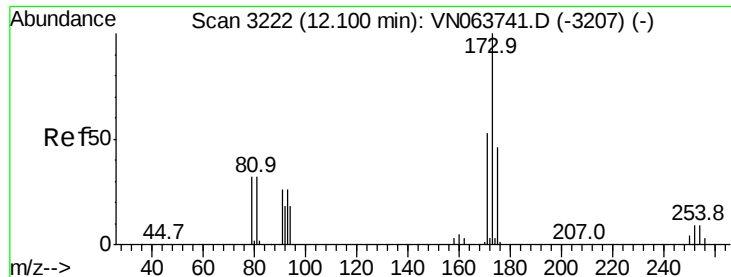


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.288 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#05

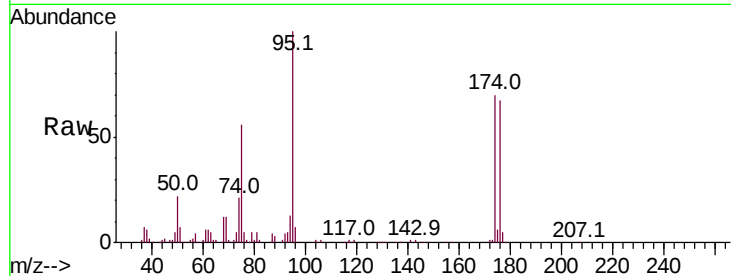
Tot Ion:173 Resp: 725

Ion Ratio Lower Upper

173 100

175 1364.3 23.5 70.5#

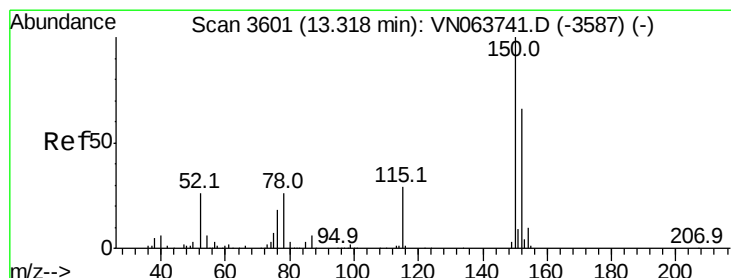
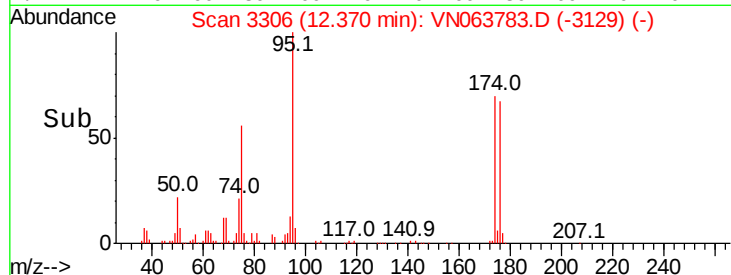
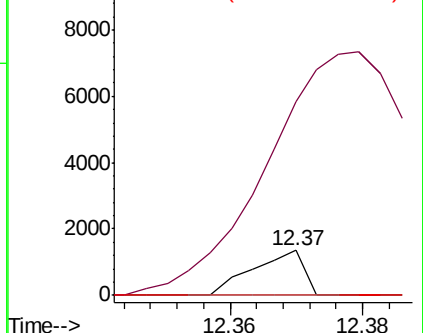
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063783.D

Acq: 1 Oct 2020 19:45

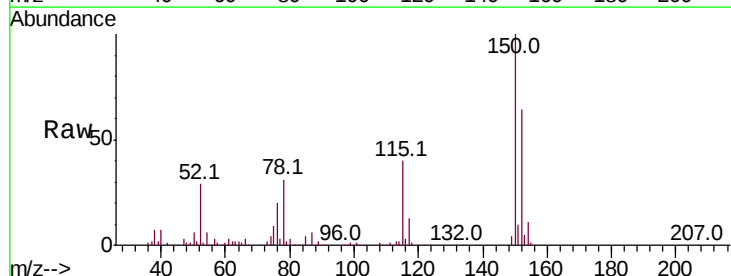
Tgt Ion:152 Resp: 170400

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.8

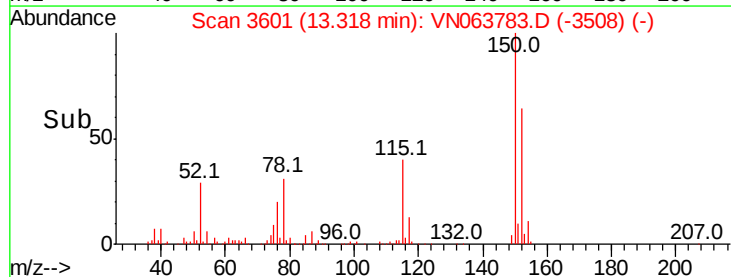
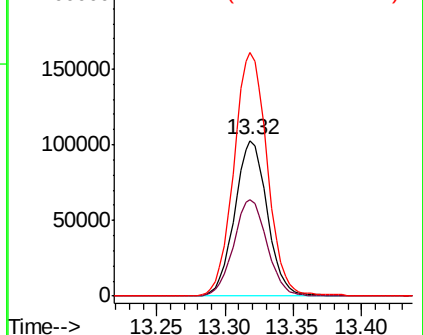
150 160.6 0.0 341.8

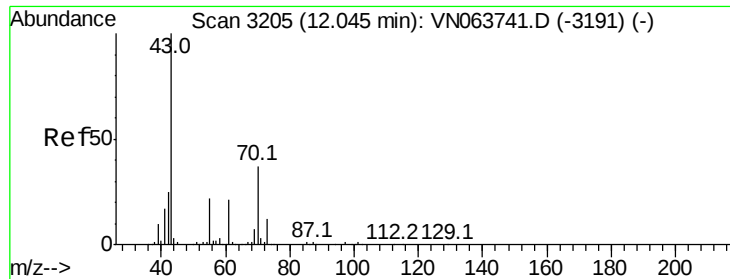


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

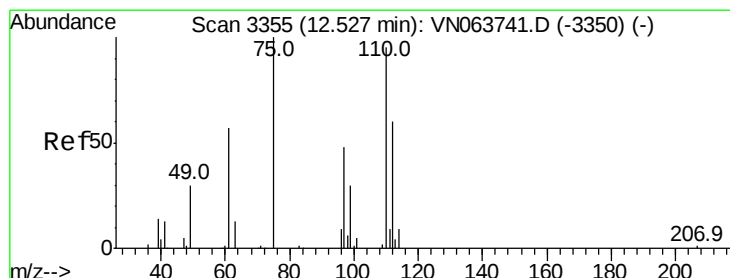
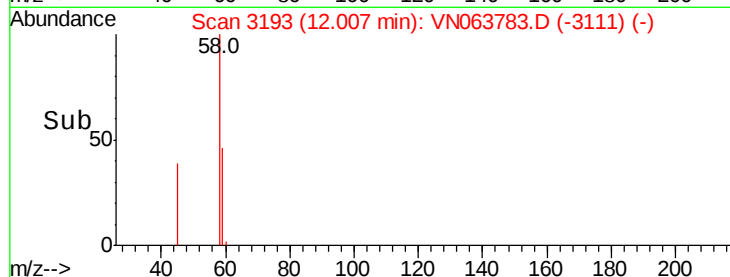
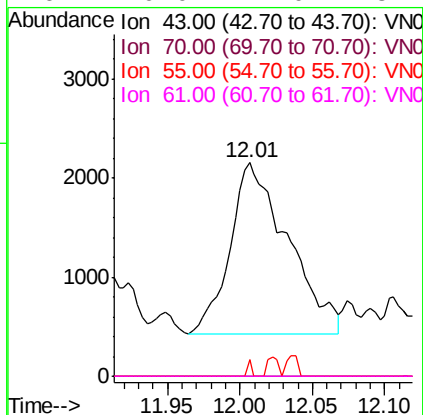
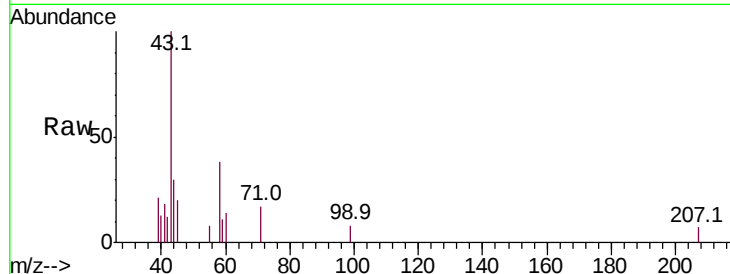




#74
N-amvl acetate
Concen: 3.014 ug/l
RT: 12.01 min Scan# 3193
Delta R.T. -0.04 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

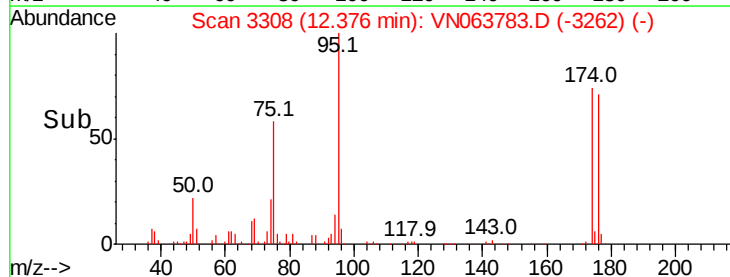
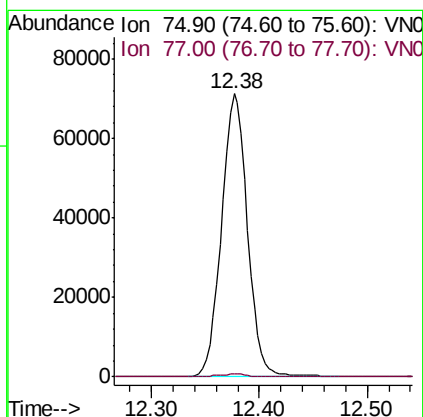
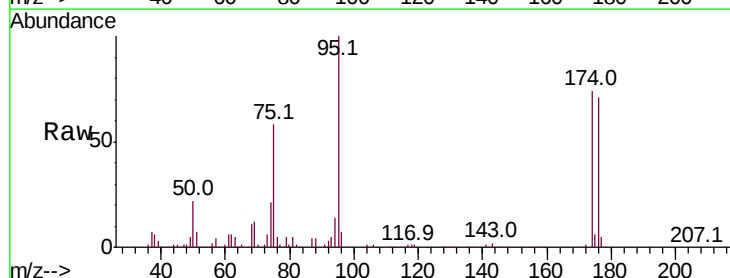
Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#05

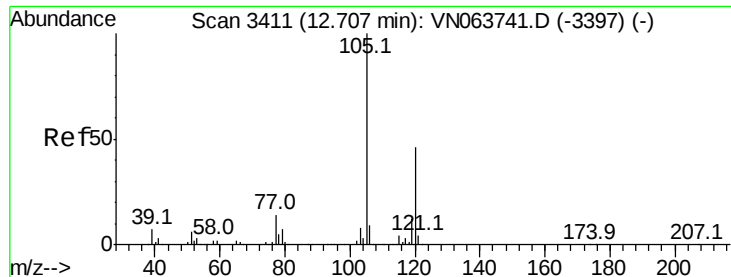
Tot Ion: 43 Resp: 4823
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 2.1 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 31.687 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063783.D
Acq: 1 Oct 2020 19:45

Tgt Ion: 75 Resp: 119027
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

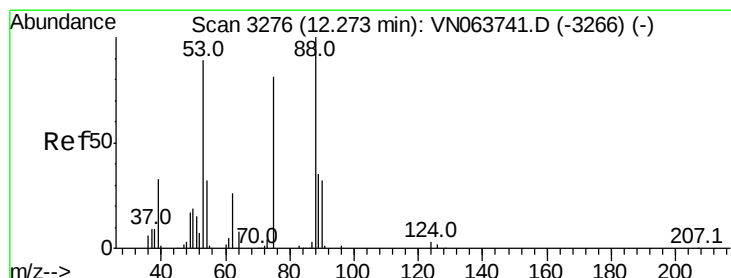
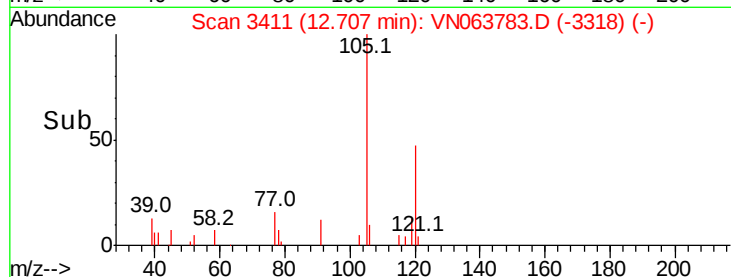
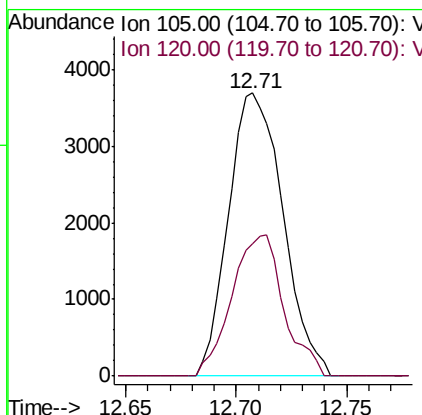
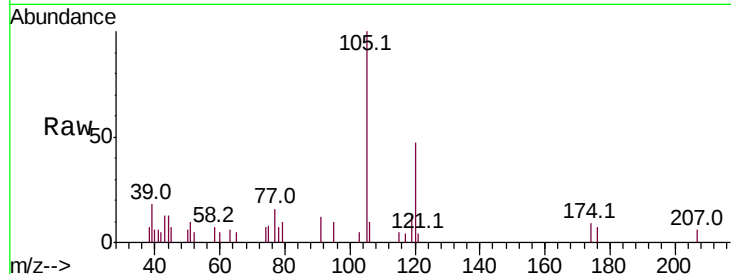




#80
 1,3,5-Trimethylbenzene
 Concen: 0.609 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#05

Tot Ion:105 Resp: 6346
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.265 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063783.D
 Acq: 1 Oct 2020 19:45

Tgt Ion: 75 Resp: 119027
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

