

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063785.D
 Acq On : 1 Oct 2020 20:33
 Operator : JC/MD
 Sample : PB132009ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#07

Quant Time: Oct 02 02:17:11 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	208665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	395575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171709	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	184597	53.55	ug/l	0.00
Spiked Amount						
			Recovery	=	107.10%	
35) Dibromofluoromethane	7.55	113	130270	47.46	ug/l	0.00
Spiked Amount						
			Recovery	=	94.92%	
50) Toluene-d8	10.06	98	505637	48.59	ug/l	0.00
Spiked Amount						
			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.38	95	204244	52.22	ug/l	0.00
Spiked Amount						
			Recovery	=	104.44%	

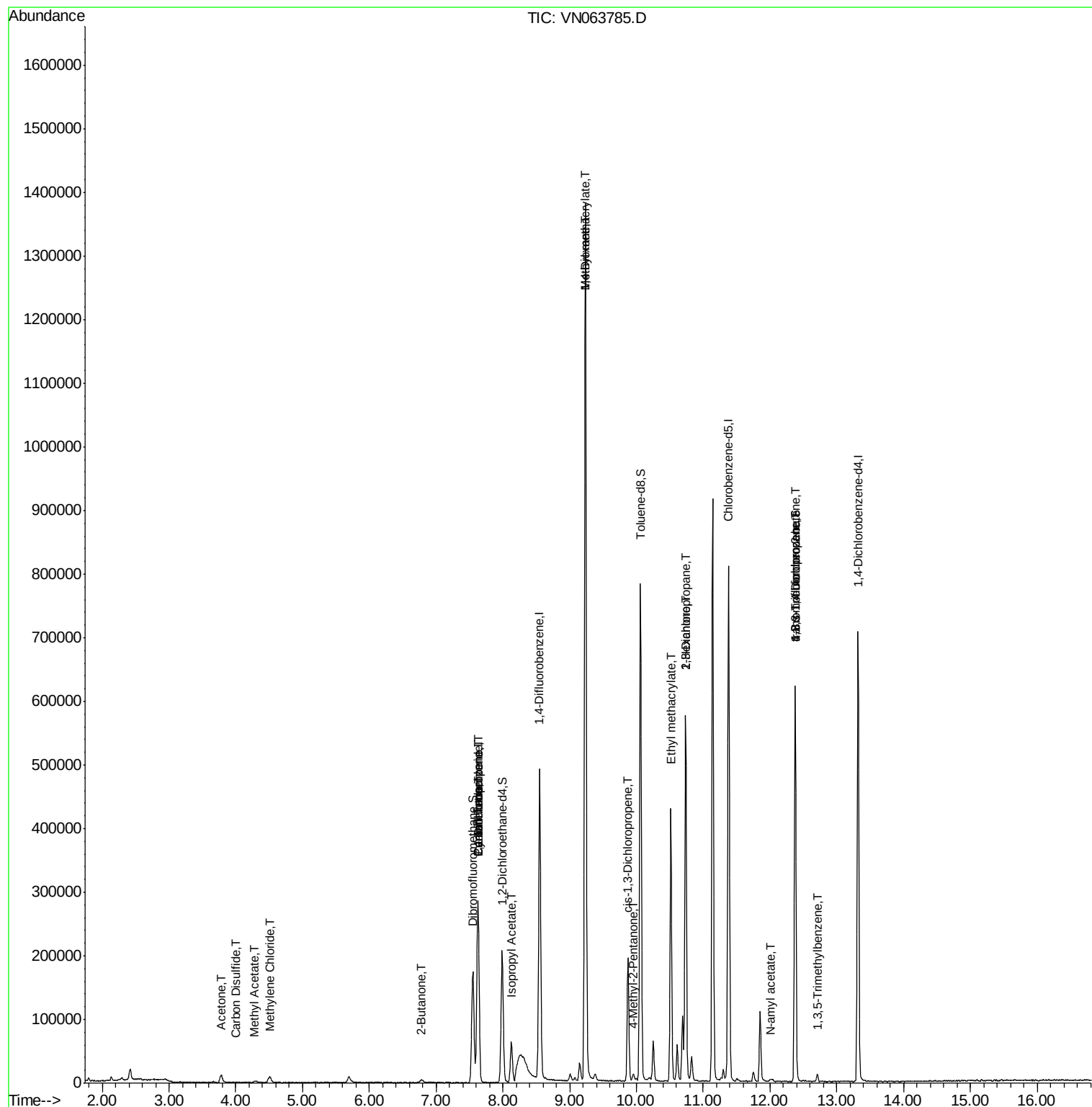
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	20827	19.626	ug/l	99
17) Carbon Disulfide	4.01	76	156	0.728	ug/l #	76
18) Methyl Acetate	4.28	43	4535	1.646	ug/l #	80
20) Methylene Chloride	4.50	84	7056	2.995	ug/l #	84
25) 2-Butanone	6.79	43	1603	1.065	ug/l	91
31) Cyclohexane	7.63	56	6392	1.597	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	19811	4.943	ug/l #	50
38) Carbon Tetrachloride	7.63	117	23971	5.334	ug/l #	14
43) Isopropyl Acetate	8.13	43	77035	11.730	ug/l	99
48) Methyl methacrylate	9.23	41	139716	43.060	ug/l #	47
49) 1,4-Dioxane	9.24	88	231	5.009	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	9376	2.433	ug/l #	86
54) cis-1,3-Dichloropropene	9.87	75	31335	6.360	ug/l #	64
56) Ethyl methacrylate	10.51	69	1858	0.462	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5558	1.157	ug/l #	43
59) 2-Hexanone	10.74	43	89720	31.337	ug/l #	55
74) N-amyl acetate	12.01	43	1483	2.459	ug/l #	58
76) 1,2,3-Trichloropropane	12.38	75	115886	30.616	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6405	0.610	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	115886	88.179	ug/l #	6

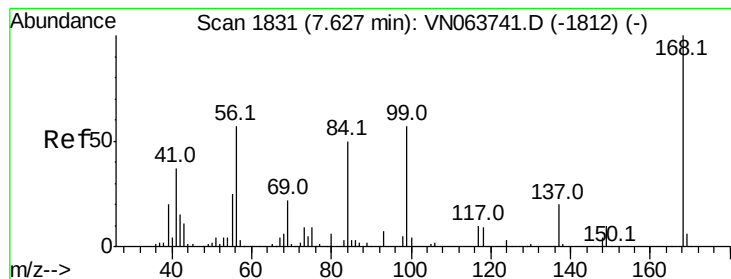
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

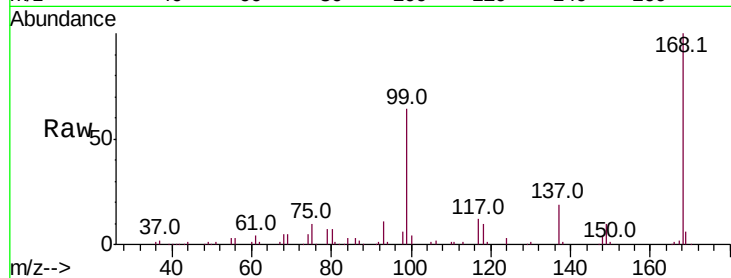
PB132009ZHE#07

Tot Ion:168 Resp: 208665

Ion Ratio Lower Upper

168 100

99 63.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

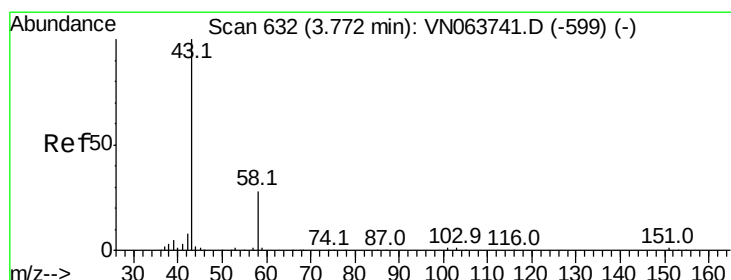
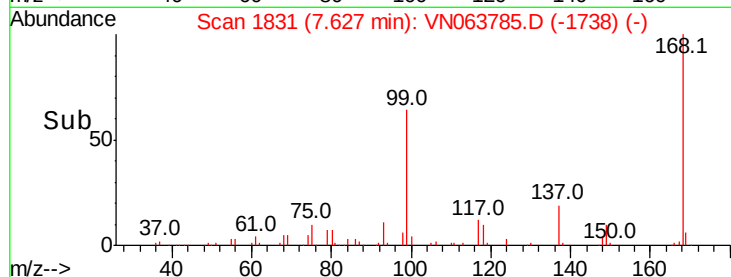
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 19.626 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063785.D

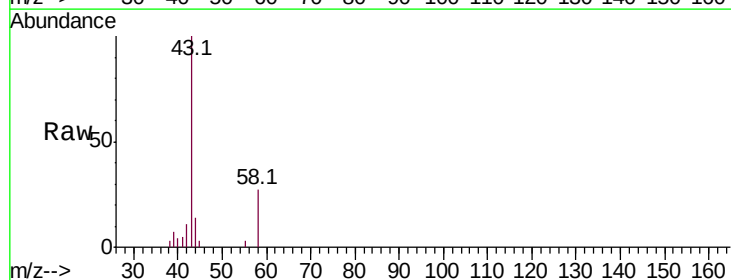
Acq: 1 Oct 2020 20:33

Tgt Ion: 43 Resp: 20827

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

8000

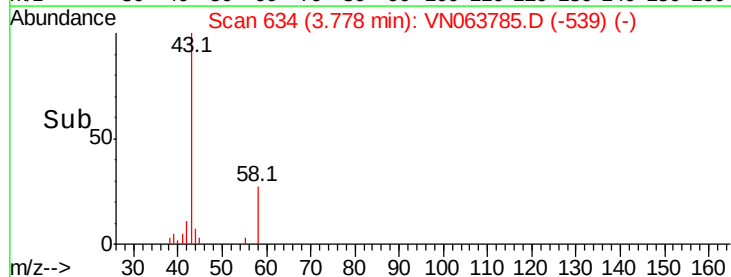
6000

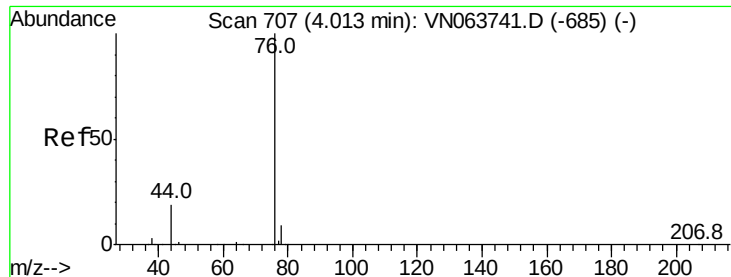
4000

2000

0

Time--> 3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.728 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

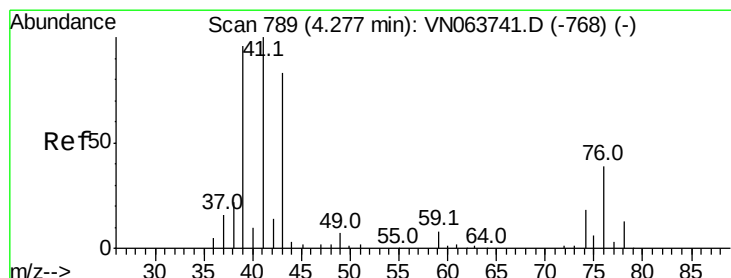
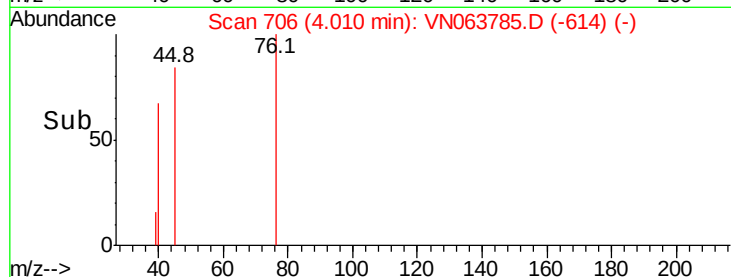
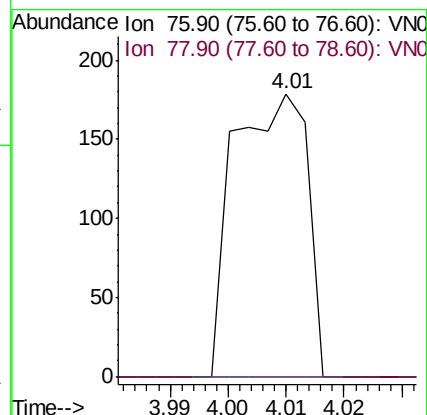
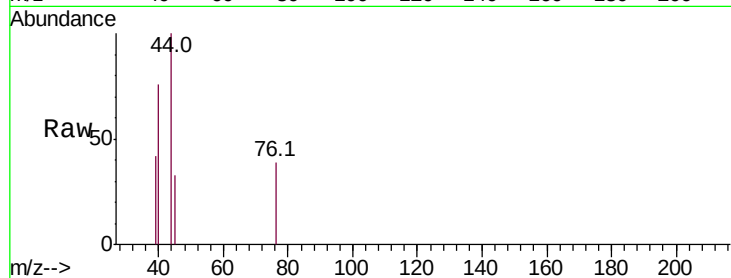
PB132009ZHE#07

Tot Ion: 76 Resp: 156

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 1.646 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063785.D

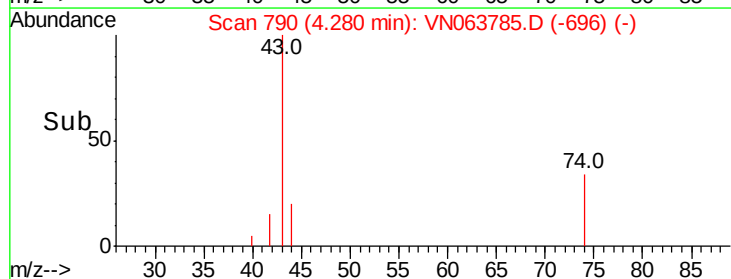
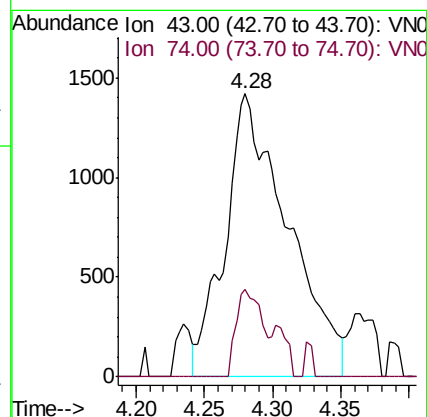
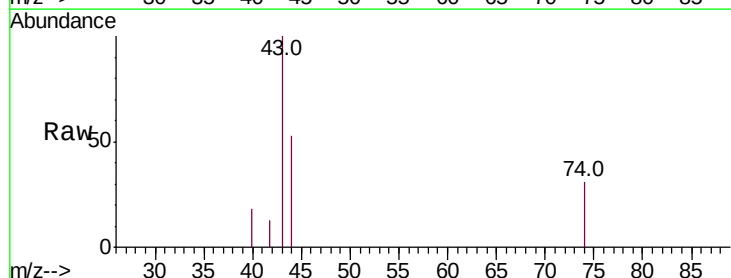
Acq: 1 Oct 2020 20:33

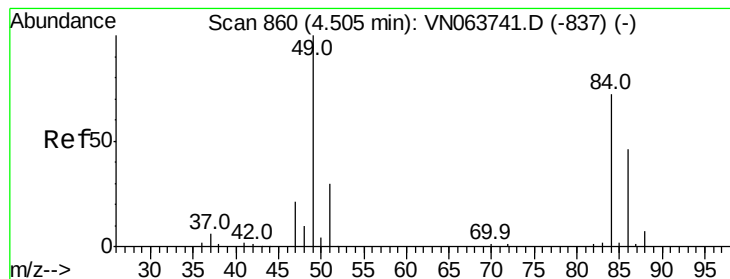
Tgt Ion: 43 Resp: 4535

Ion Ratio Lower Upper

43 100

74 12.4 17.4 26.2#





#20

Methvlene Chloride

Concen: 2.995 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#07

Tot Ion: 84 Resp: 7056

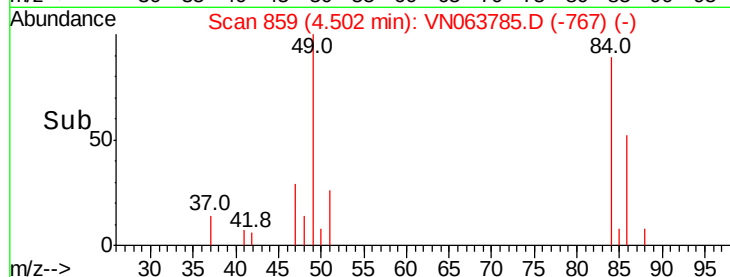
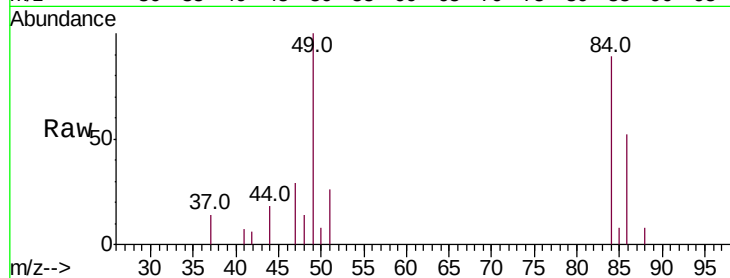
Ion Ratio Lower Upper

84 100

49 113.0 110.4 165.6

51 29.6 33.3 49.9#

86 59.1 50.7 76.1

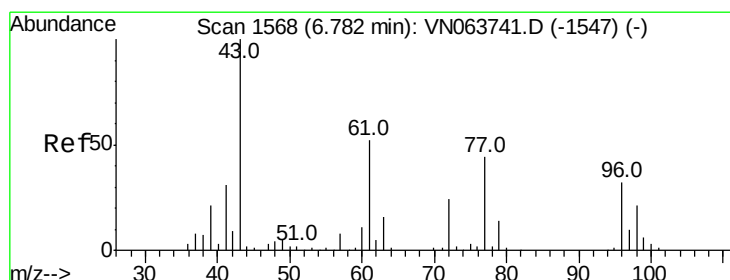
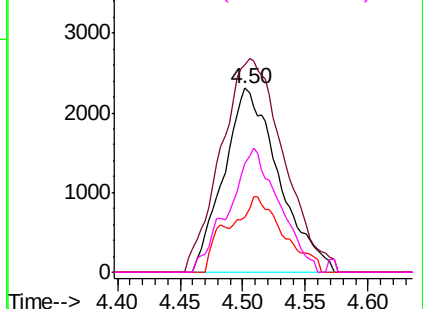


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.065 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063785.D

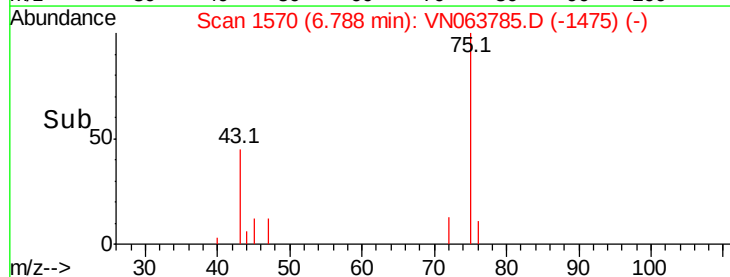
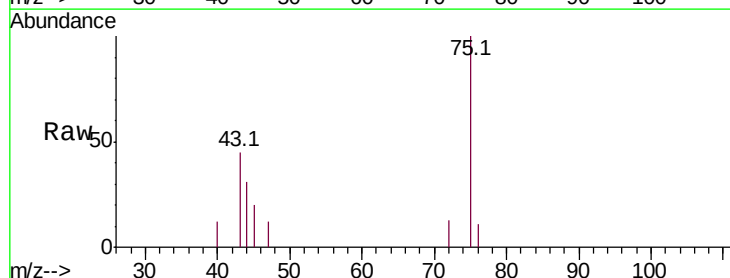
Acq: 1 Oct 2020 20:33

Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

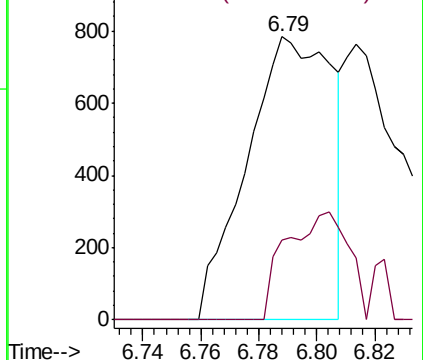
43 100

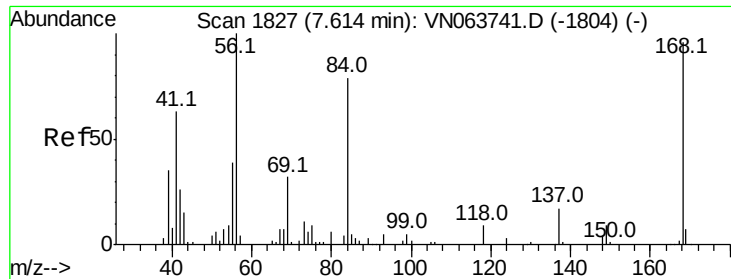
72 28.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

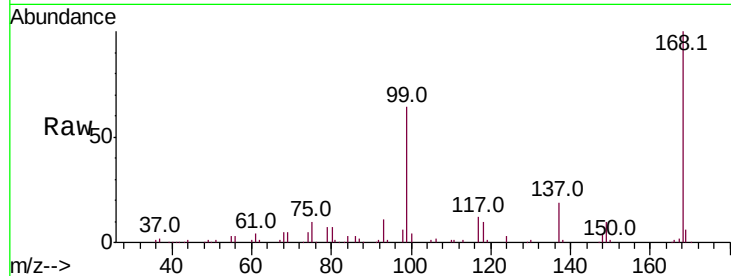




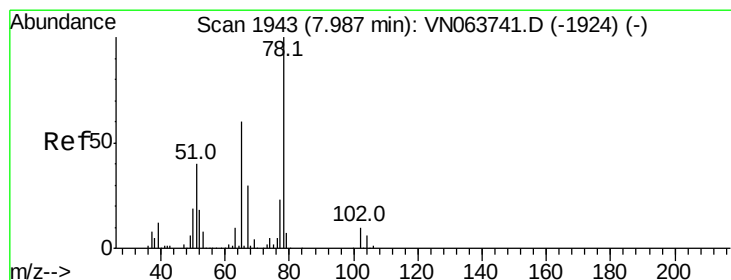
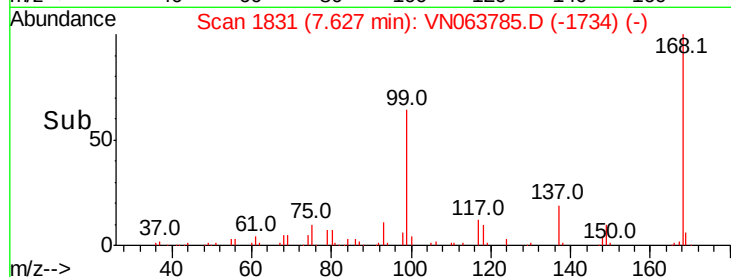
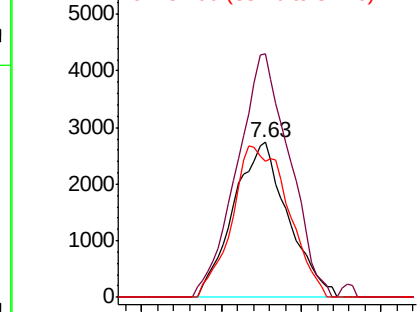
#31
Cyclohexane
Concen: 1.597 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#07

Tot Ion: 56 Resp: 6392
Ion Ratio Lower Upper
56 100
69 157.1 25.4 38.2#
84 87.4 63.3 94.9

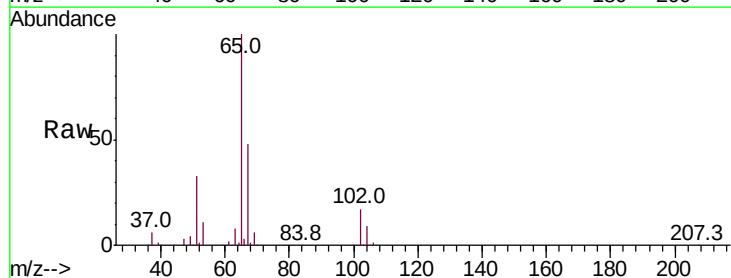


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

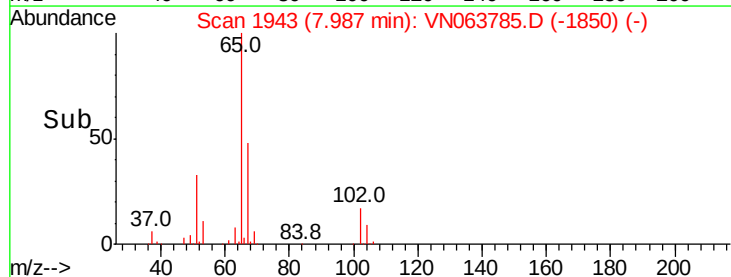
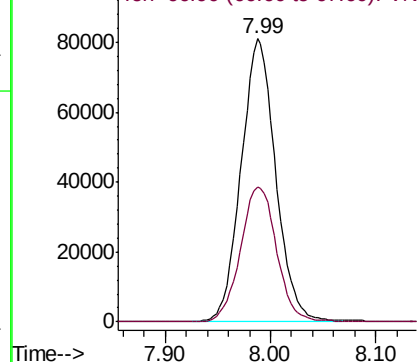


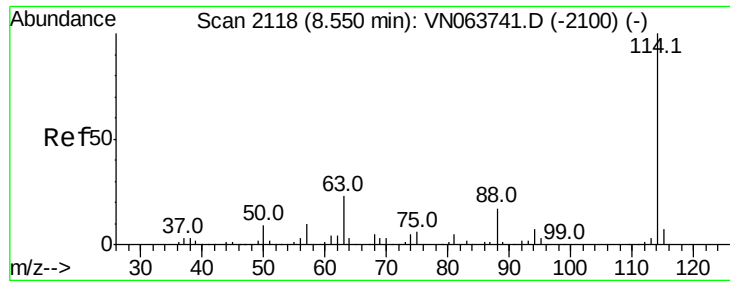
#33
1,2-Dichloroethane-d4
Concen: 53.548 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

Tgt Ion: 65 Resp: 184597
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

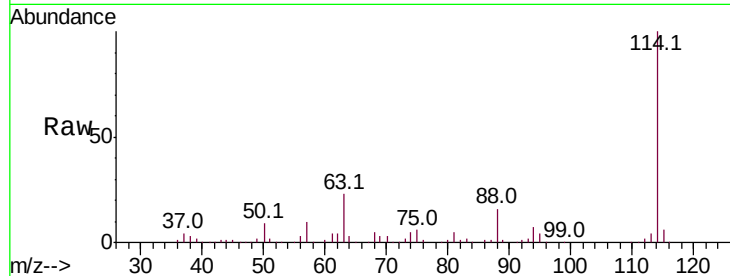




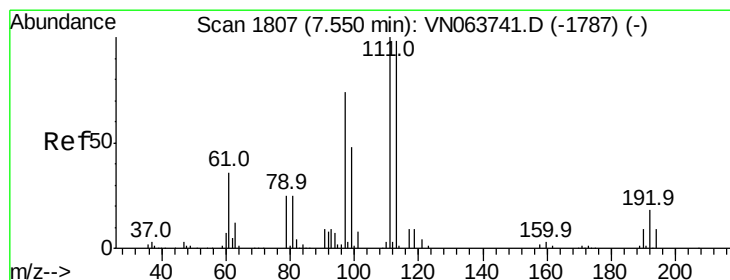
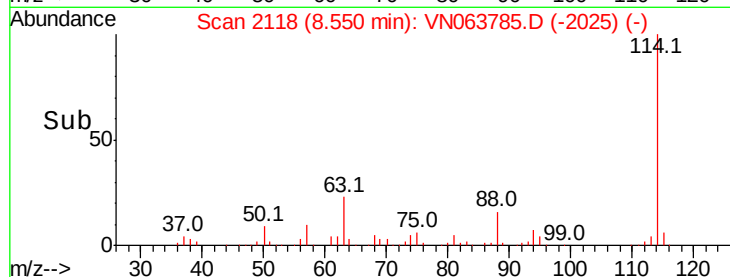
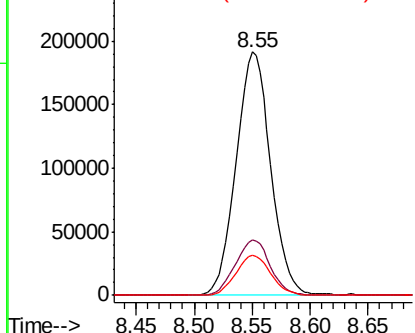
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Instrument :
 MSVOA_N
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 PB132009ZHE#07

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.0
88	16.5	0.0	34.0

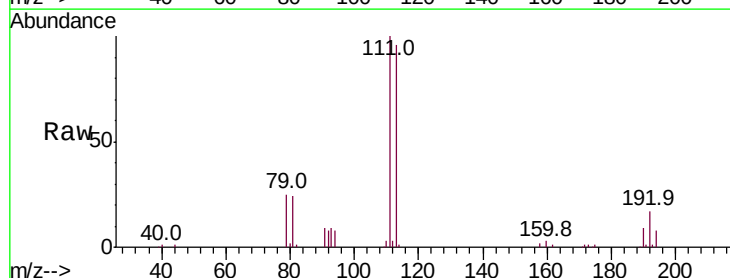


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

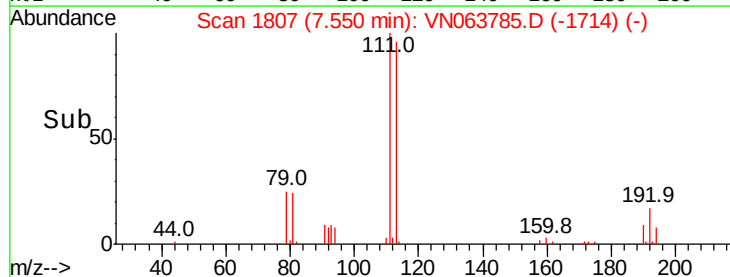
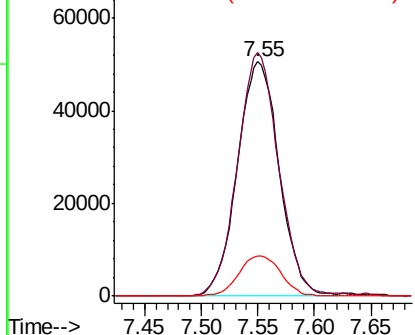


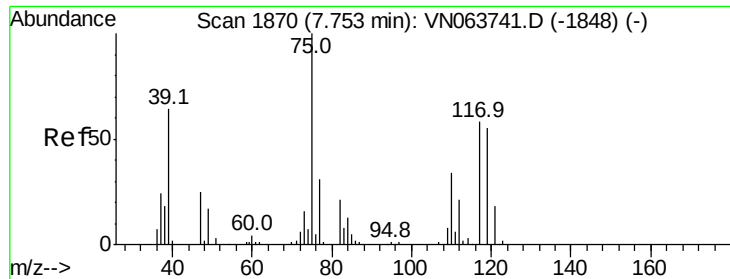
#35
 Dibromofluoromethane
 Concen: 47.461 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	17.2	14.2	21.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

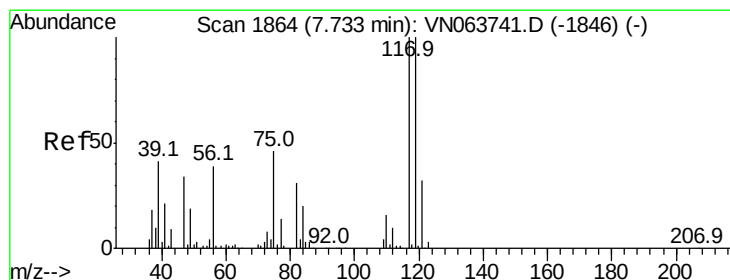
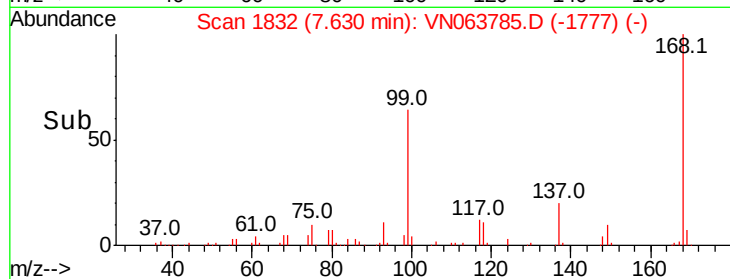
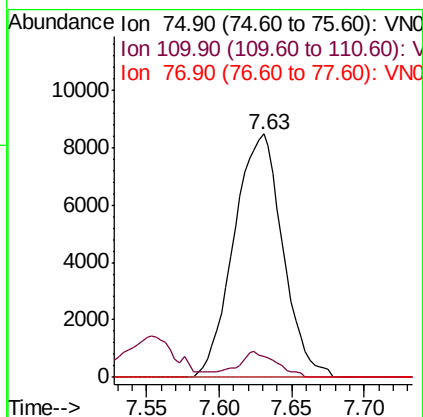
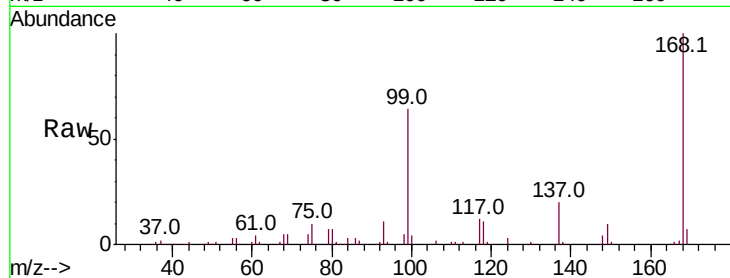




#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

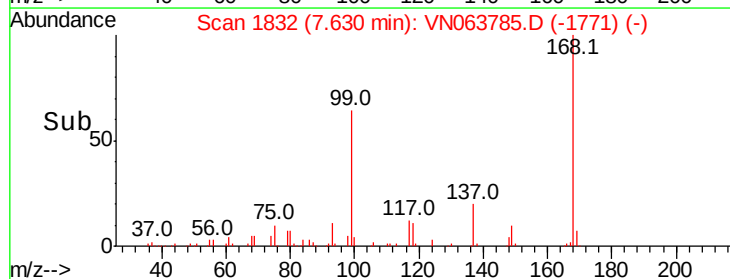
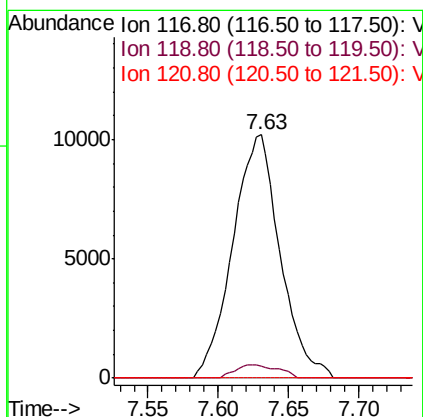
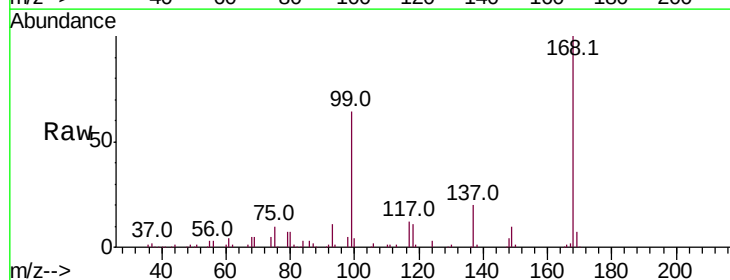
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#07

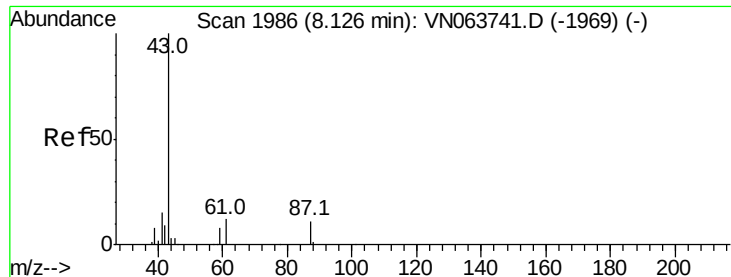
Tot Ion: 75 Resp: 19811
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.334 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Tgt Ion: 117 Resp: 23971
 Ion Ratio Lower Upper
 117 100
 119 4.9 80.1 120.1#
 121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 11.730 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#07

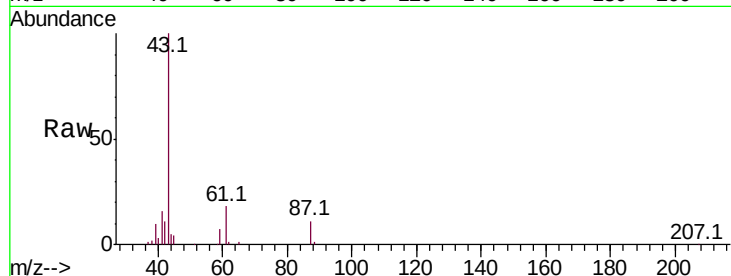
Tot Ion: 43 Resp: 77035

Ion Ratio Lower Upper

43 100

61 17.1 14.2 21.4

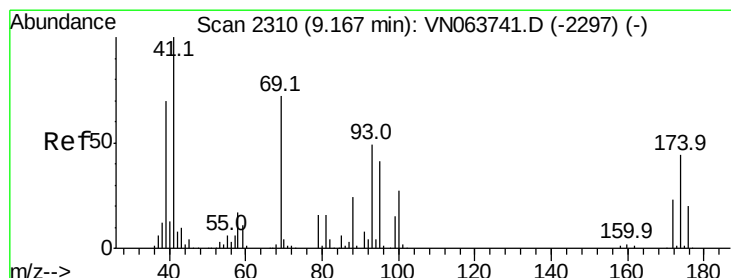
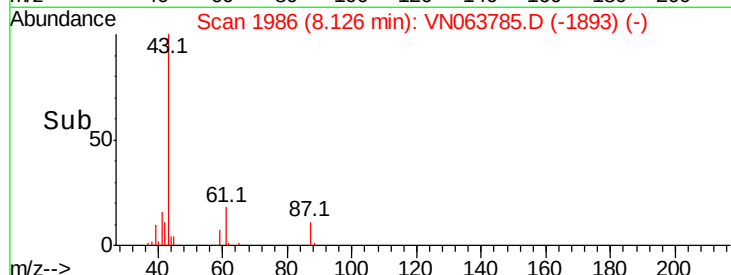
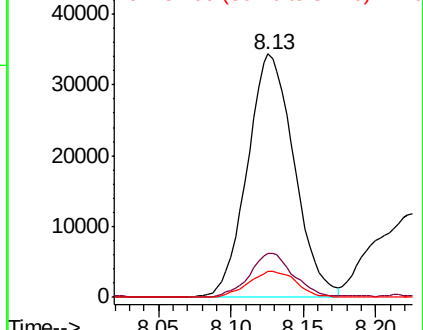
87 10.9 9.0 13.6



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



#48

Methyl methacrylate

Concen: 43.060 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

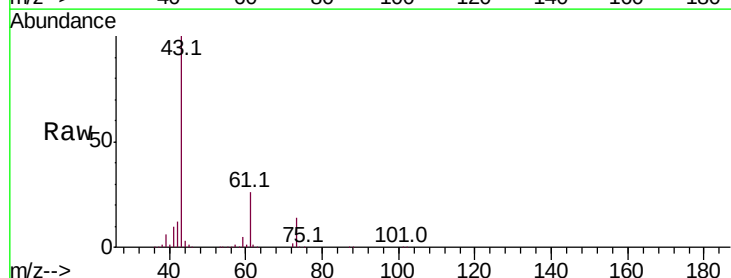
Tgt Ion: 41 Resp: 139716

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

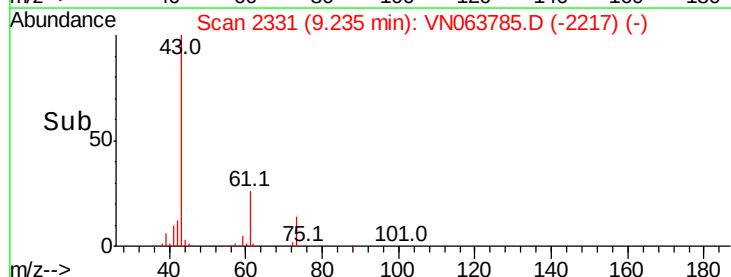
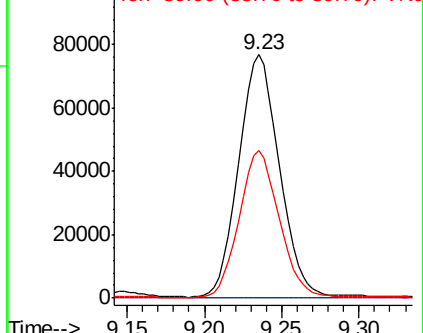
39 59.8 57.5 86.3

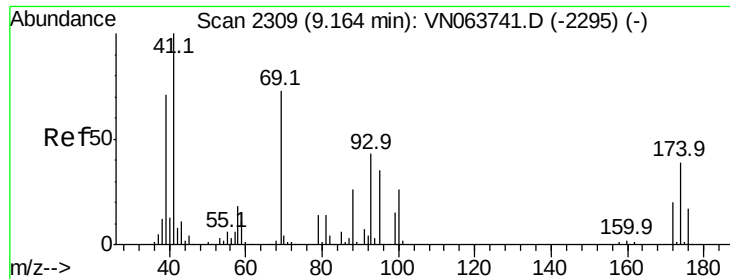


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 5.009 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#07

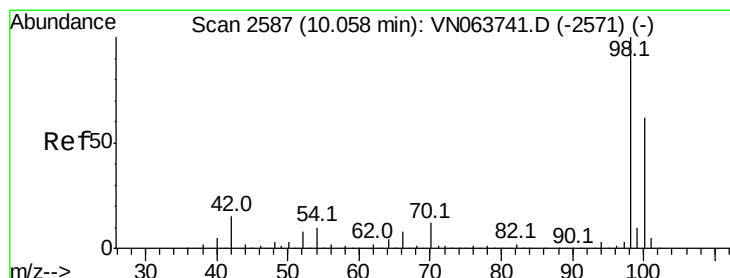
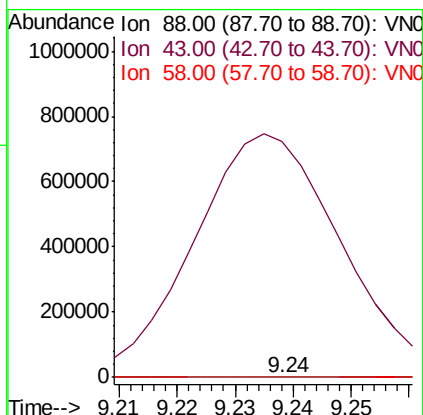
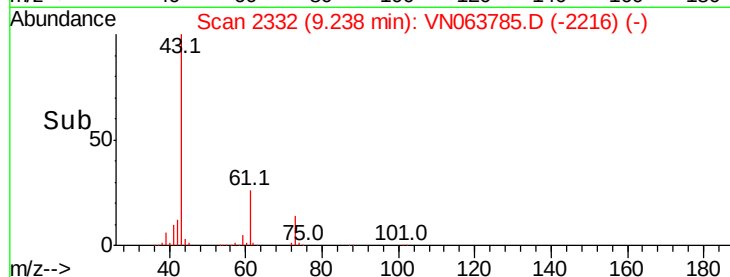
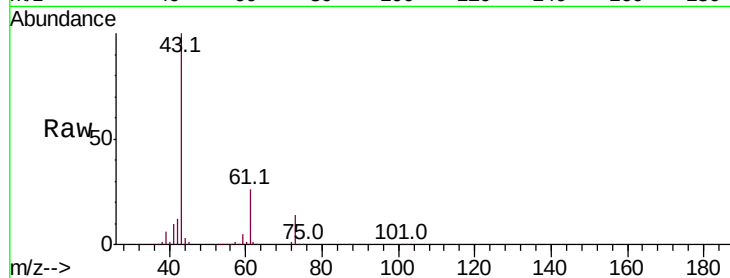
Tot Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 583781.0 33.1 49.7#

58 2685.3 58.9 88.3#



#50

Toluene-d8

Concen: 48.594 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063785.D

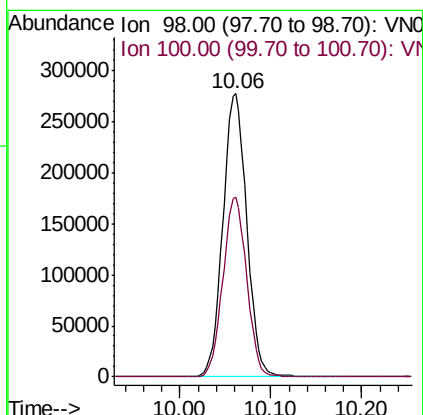
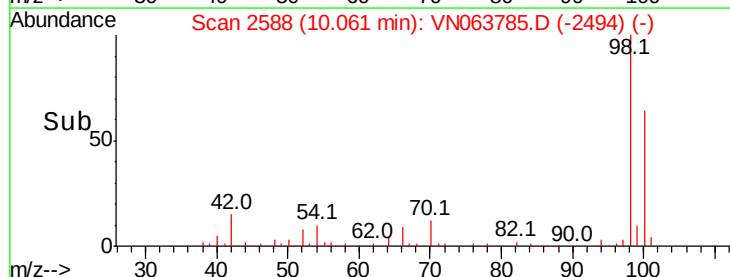
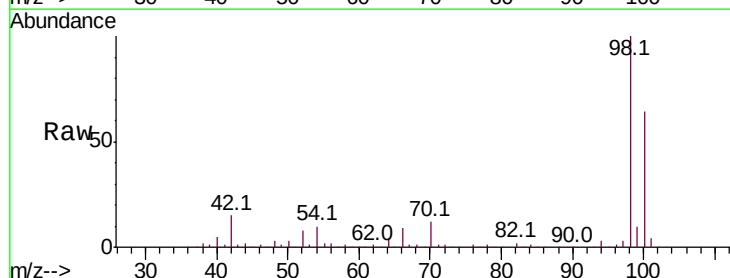
Acq: 1 Oct 2020 20:33

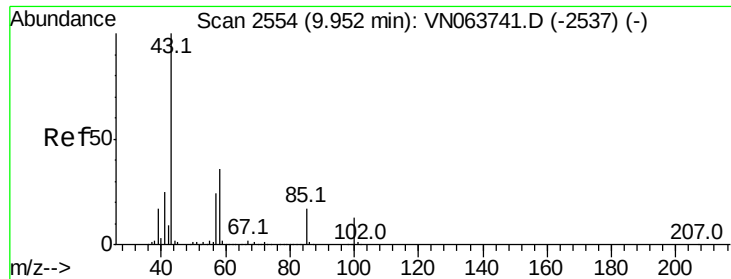
Tgt Ion: 98 Resp: 505637

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.6

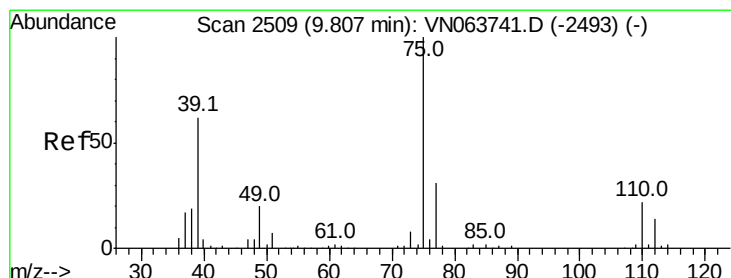
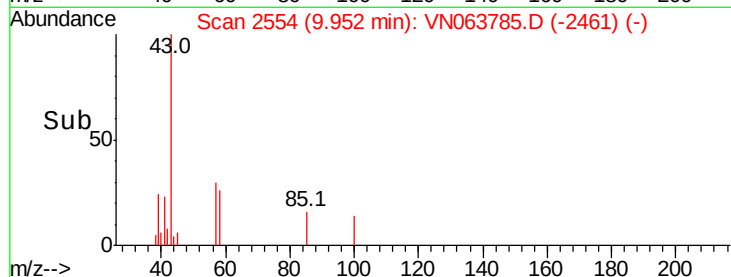
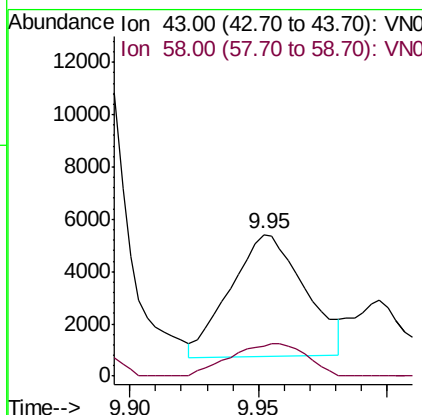
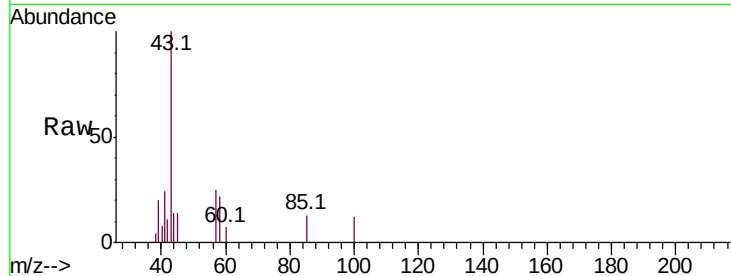




#51
 4-Methyl-2-Pentanone
 Concen: 2.433 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

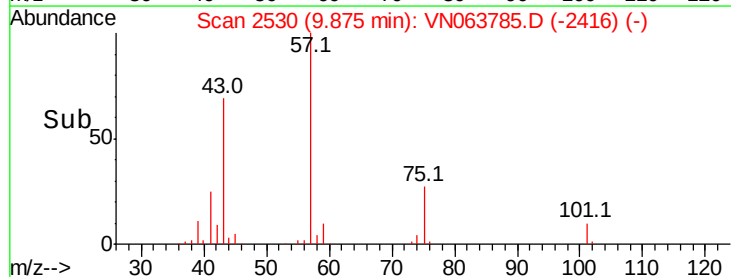
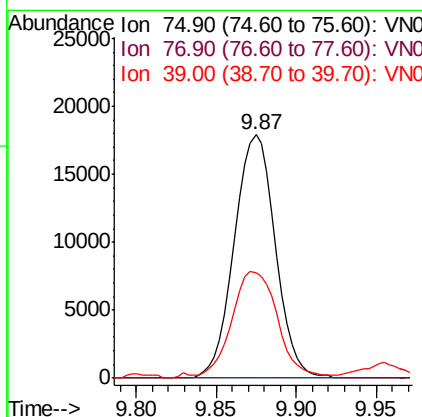
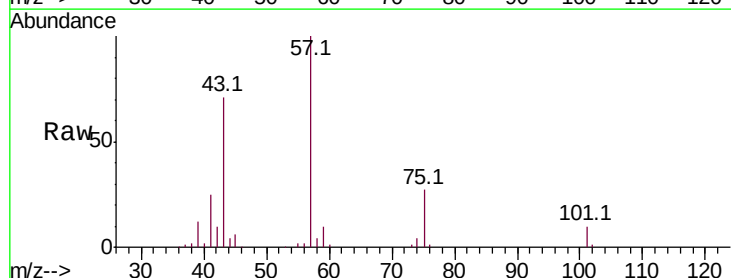
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#07

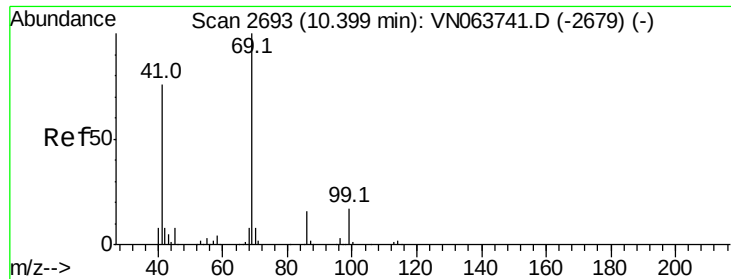
Tot Ion: 43 Resp: 9376
 Ion Ratio Lower Upper
 43 100
 58 27.3 28.4 42.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.360 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Tgt Ion: 75 Resp: 31335
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 42.3 49.7 74.5#





#56

Ethyl methacrylate

Concen: 0.462 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#07

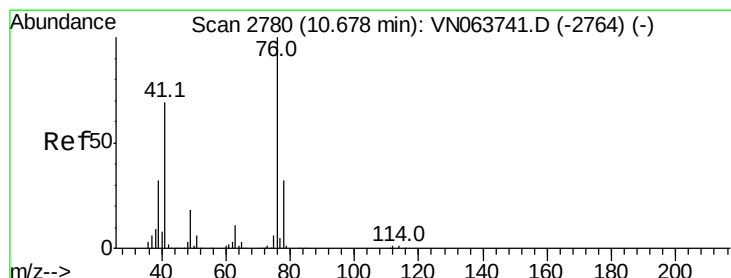
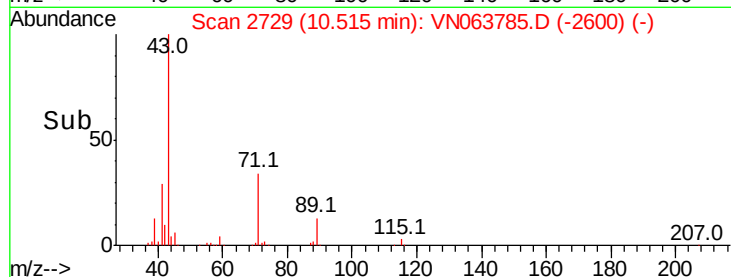
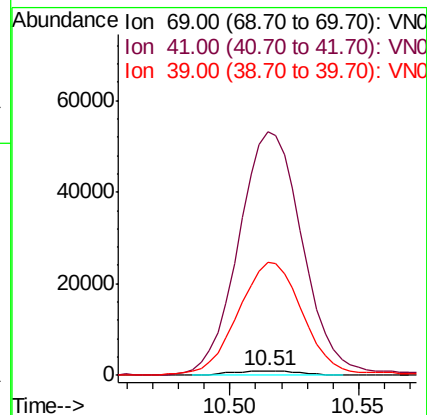
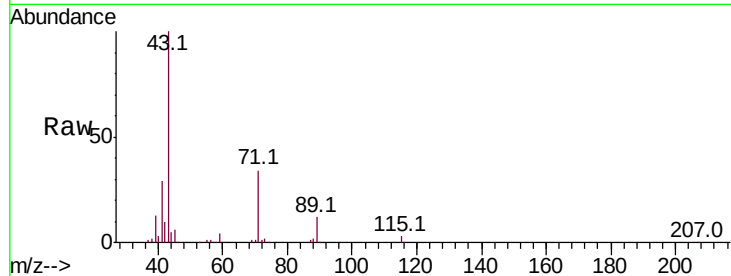
Tot Ion: 69 Resp: 1858

Ion Ratio Lower Upper

69 100

41 4987.8 61.1 91.7#

39 2321.6 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 1.157 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN063785.D

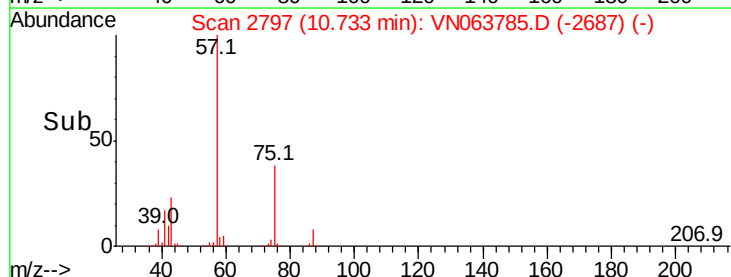
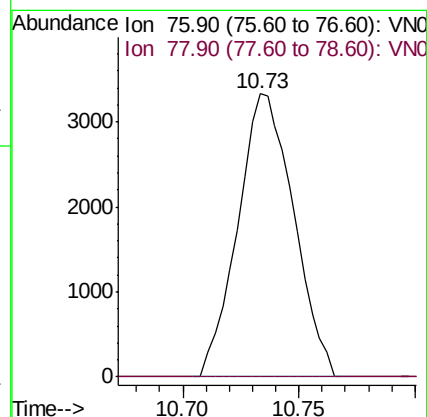
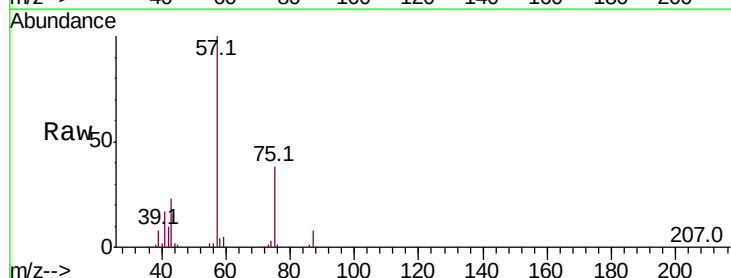
Acq: 1 Oct 2020 20:33

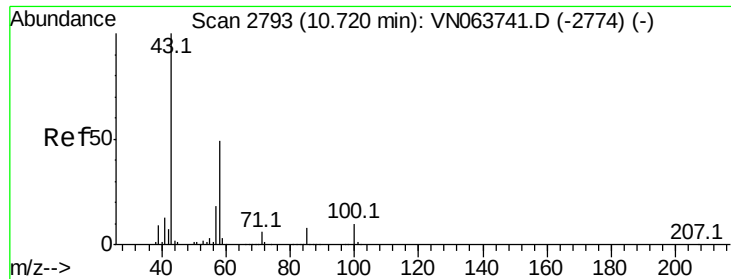
Tgt Ion: 76 Resp: 5558

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#

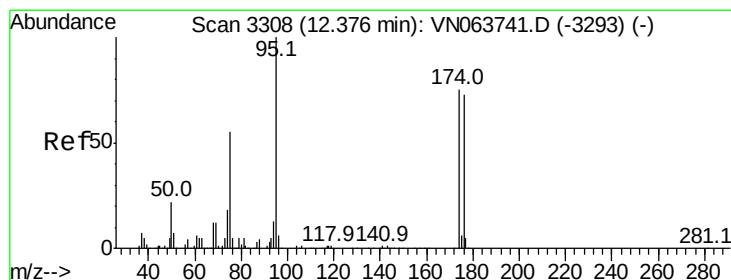
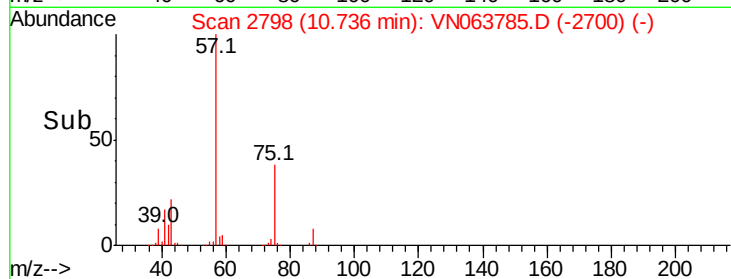
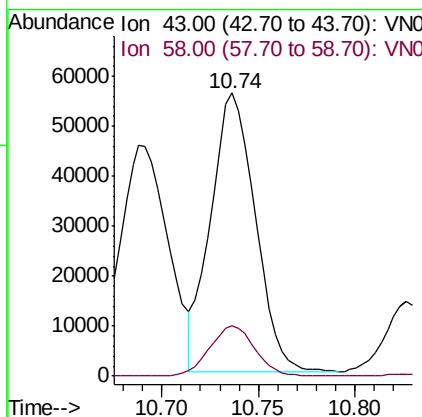
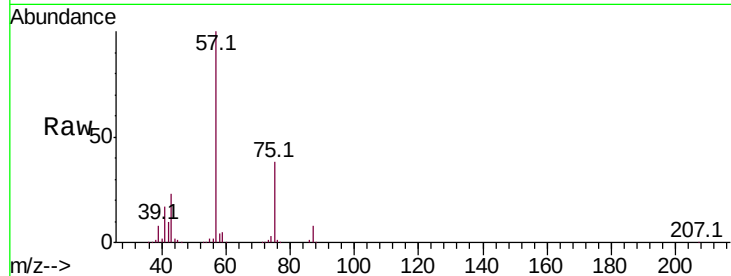




#59
2-Hexanone
Concen: 31.337 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

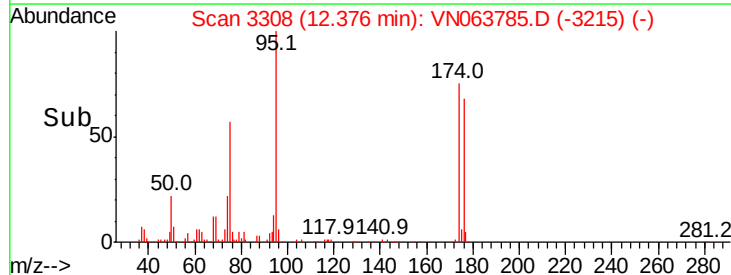
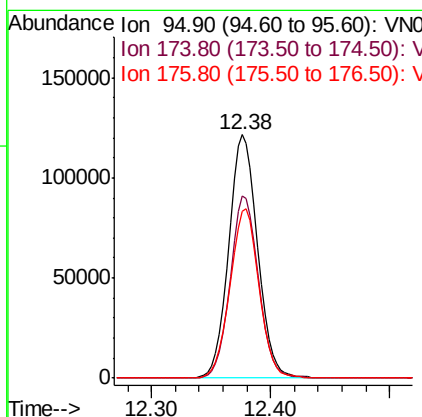
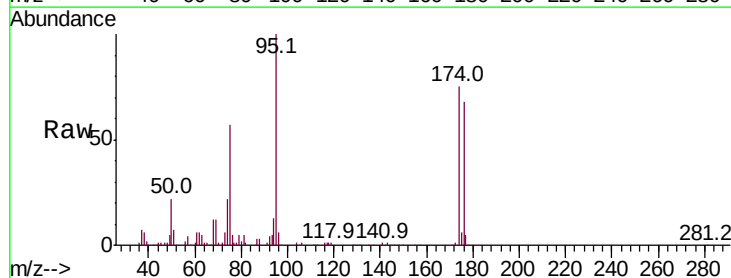
Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#07

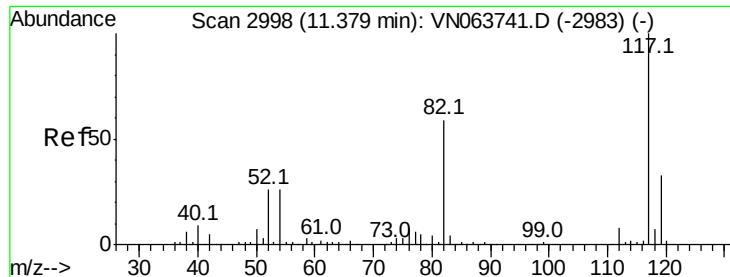
Tot Ion: 43 Resp: 89720
Ion Ratio Lower Upper
43 100
58 18.2 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 52.217 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

Tgt Ion: 95 Resp: 204244
Ion Ratio Lower Upper
95 100
174 73.2 0.0 150.6
176 69.7 0.0 145.4

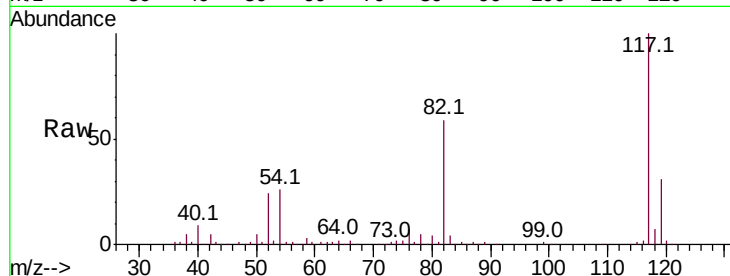




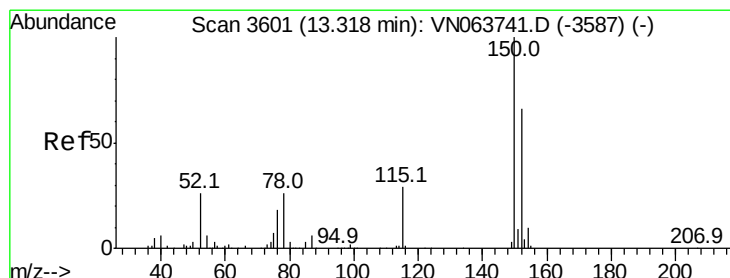
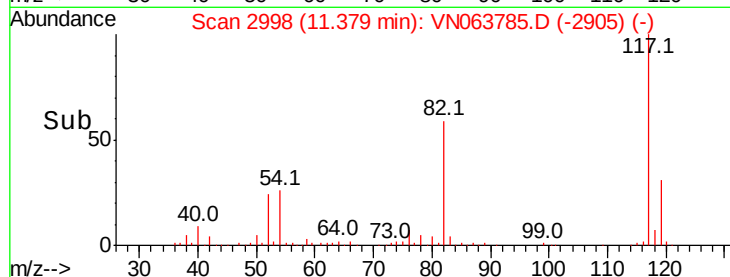
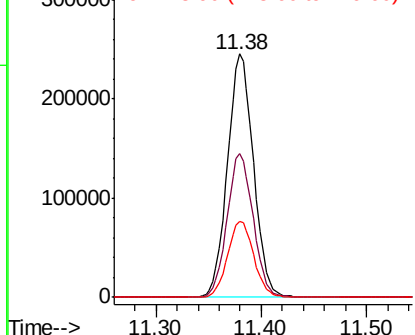
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

Instrument :
MSVOA_N
ClientSampleId :
PB132009ZHE#07

Tot Ion:117 Resp: 417771
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.4 26.4 39.6

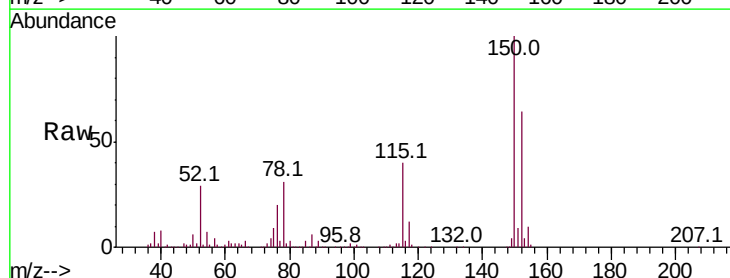


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

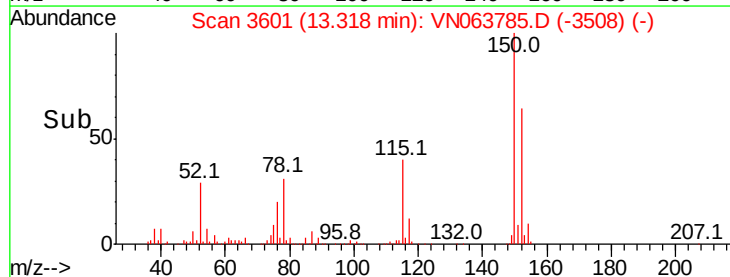
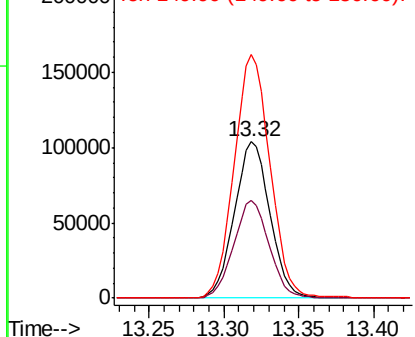


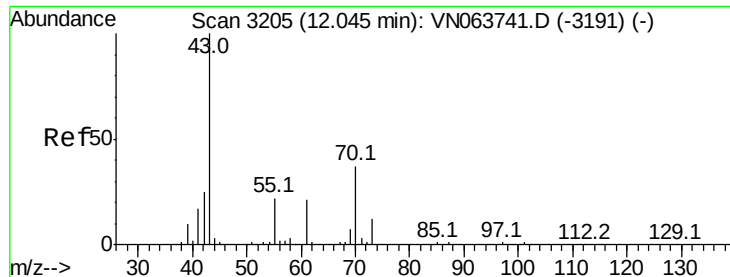
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063785.D
Acq: 1 Oct 2020 20:33

Tgt Ion:152 Resp: 171709
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.8
150 157.8 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: 2.459 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN063785.D

Acq: 1 Oct 2020 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB132009ZHE#07

Tot Ion: 43 Resp: 1483

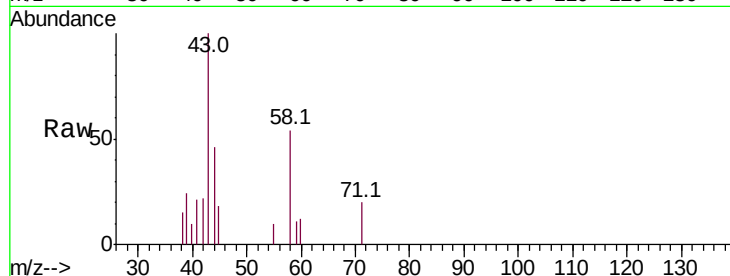
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 20.5 17.9 26.9

61 0.0 17.0 25.4#

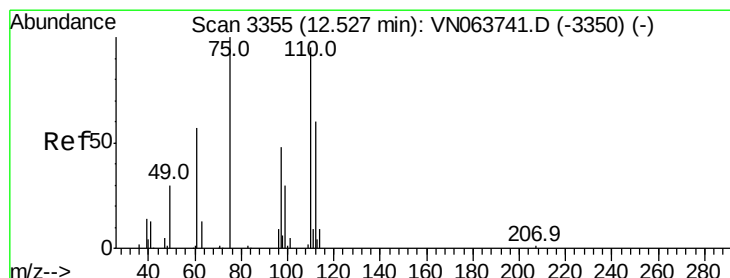
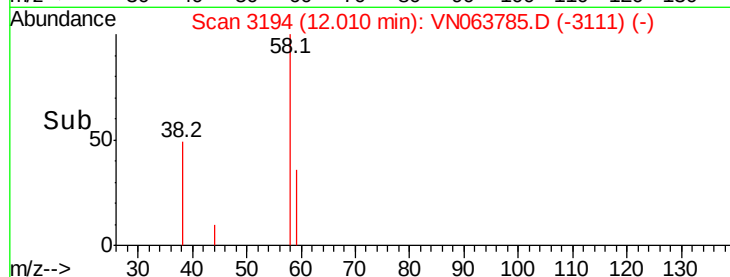
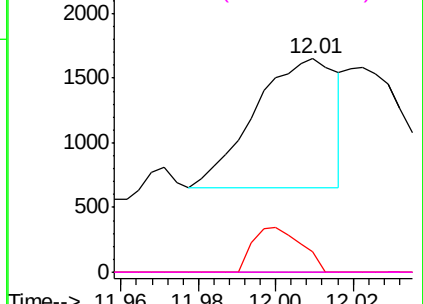


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.616 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063785.D

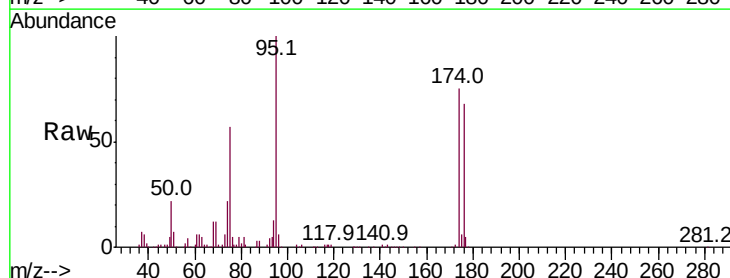
Acq: 1 Oct 2020 20:33

Tgt Ion: 75 Resp: 115886

Ion Ratio Lower Upper

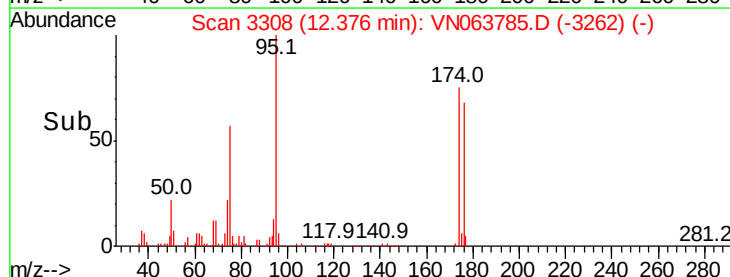
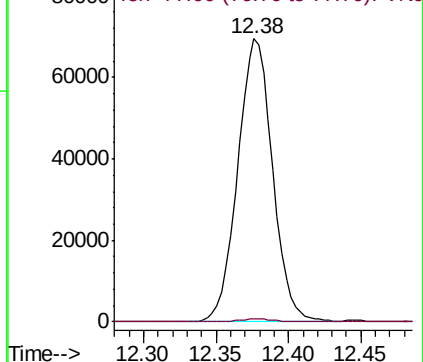
75 100

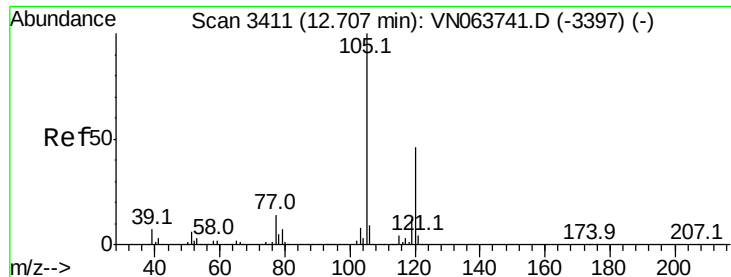
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

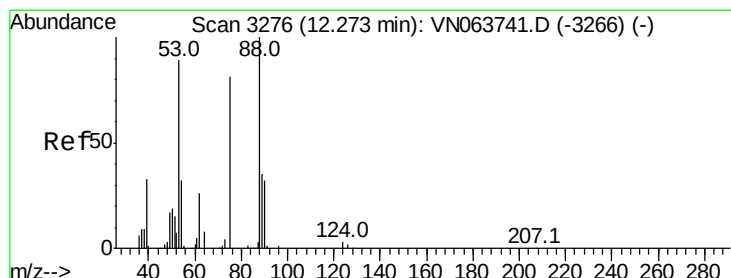
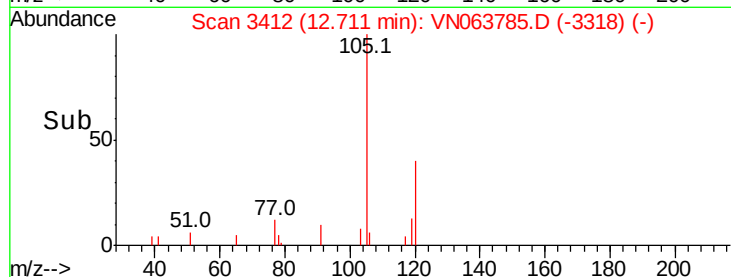
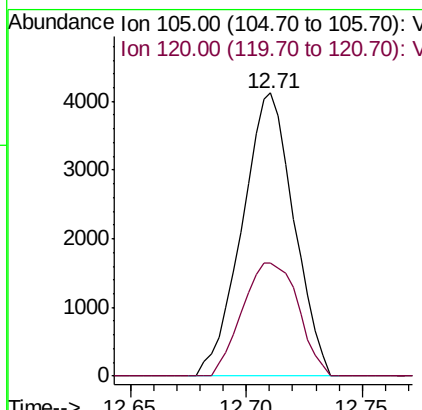
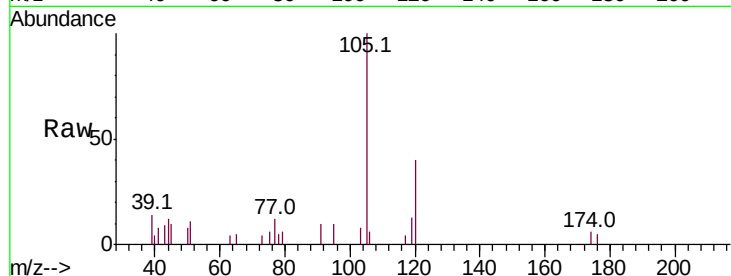




#80
 1,3,5-Trimethylbenzene
 Concen: 0.610 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009ZHE#07

Tot Ion:105 Resp: 6405
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.179 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063785.D
 Acq: 1 Oct 2020 20:33

Tgt Ion: 75 Resp: 115886
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

