

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063776.D
 Acq On : 1 Oct 2020 16:58
 Operator : JC/MD
 Sample : PB132009TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009TB

Quant Time: Oct 02 02:15:32 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	218425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175560	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	184859	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	7.55	113	134173	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	10.06	98	523584	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	208975	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	

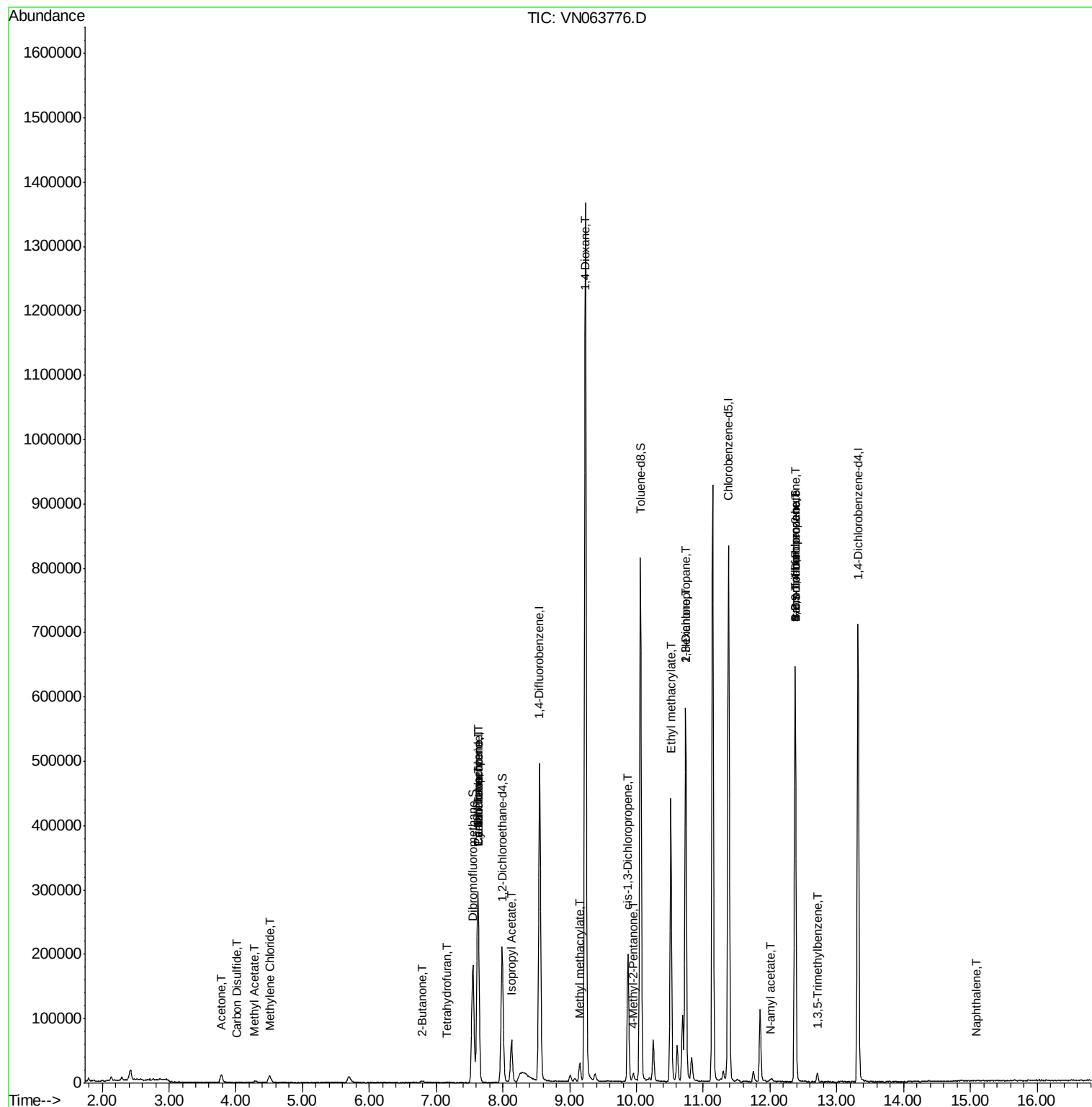
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	21840	19.661	ug/l	94
17) Carbon Disulfide	4.01	76	61	0.711	ug/l #	76
18) Methyl Acetate	4.29	43	3663	1.270	ug/l #	78
20) Methylene Chloride	4.50	84	3744	1.567	ug/l	93
25) 2-Butanone	6.79	43	1158	0.735	ug/l #	51
29) Tetrahydrofuran	7.17	42	516	0.489	ug/l #	36
31) Cyclohexane	7.62	56	6230	1.487	ug/l #	33
36) 1,1-Dichloropropene	7.62	75	20212	4.890	ug/l #	45
38) Carbon Tetrachloride	7.62	117	25656	5.535	ug/l #	14
43) Isopropyl Acetate	8.13	43	79696	11.766	ug/l	99
48) Methyl methacrylate	9.15	41	4508	1.347	ug/l #	12
49) 1,4-Dioxane	9.24	88	30	0.631	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	8079	2.032	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	30920	6.084	ug/l #	67
56) Ethyl methacrylate	10.51	69	1700	0.410	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5444	1.099	ug/l #	43
59) 2-Hexanone	10.74	43	87761	29.720	ug/l #	56
71) Bromoform	12.38	173	1935	0.756	ug/l #	1
74) N-amyl acetate	12.01	43	2134	2.559	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119566	30.895	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6673	0.621	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	119566	88.983	ug/l #	6
95) Naphthalene	15.10	128	223	1.947	ug/l #	69

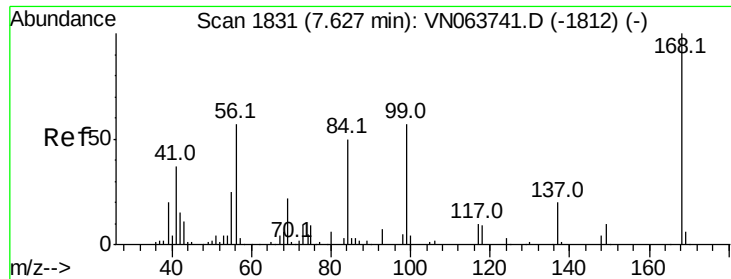
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
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: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

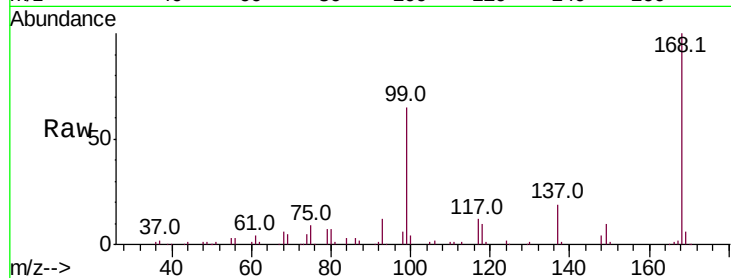
PB132009TB

Tot Ion:168 Resp: 218425

Ion Ratio Lower Upper

168 100

99 65.2 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

100000

80000

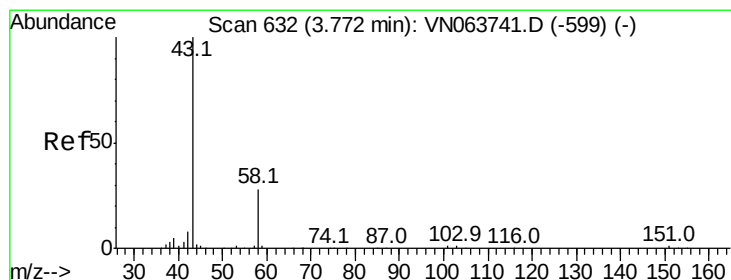
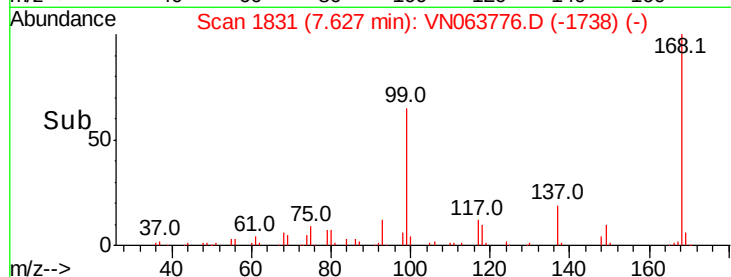
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 19.661 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063776.D

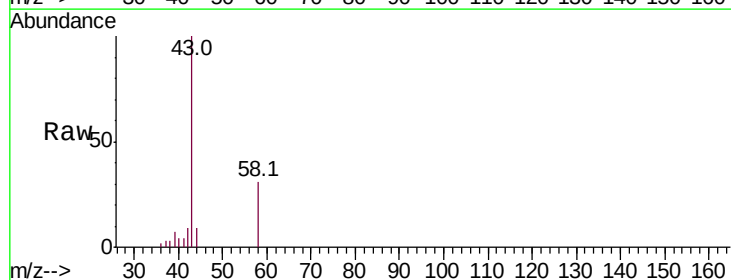
Acq: 1 Oct 2020 16:58

Tgt Ion: 43 Resp: 21840

Ion Ratio Lower Upper

43 100

58 31.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

8000

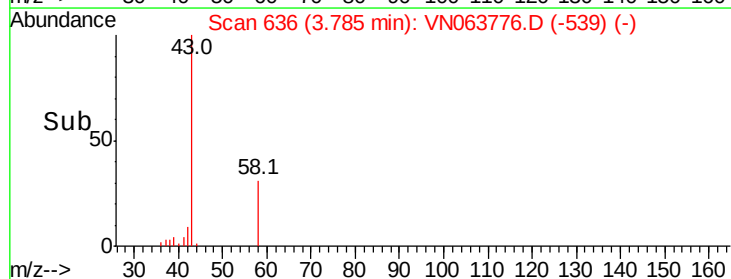
6000

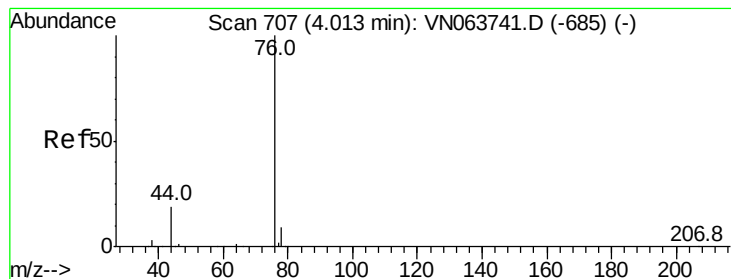
4000

2000

0

Time--> 3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 0.711 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

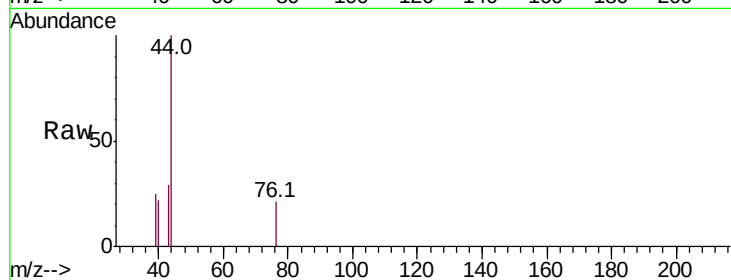
PB132009TB

Tot Ion: 76 Resp: 61

Ion Ratio Lower Upper

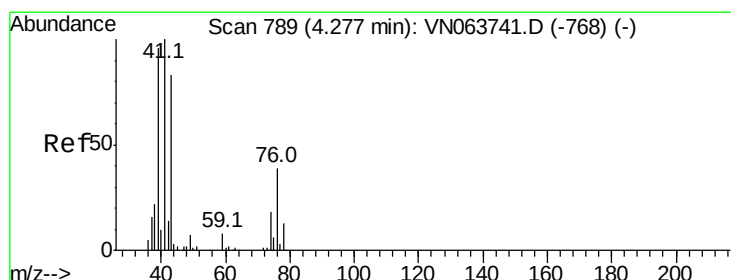
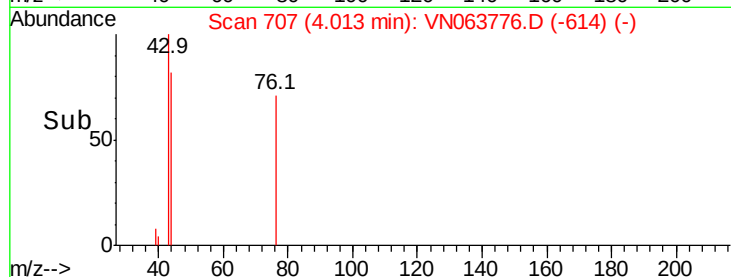
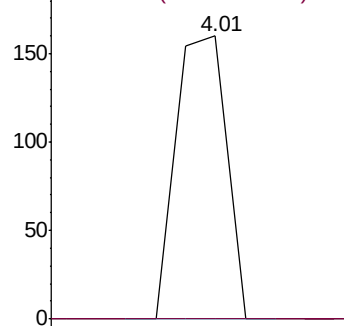
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.270 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063776.D

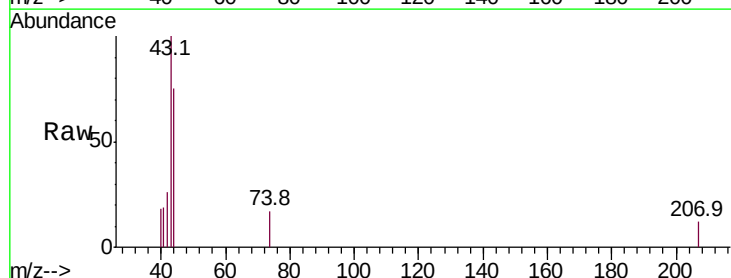
Acq: 1 Oct 2020 16:58

Tgt Ion: 43 Resp: 3663

Ion Ratio Lower Upper

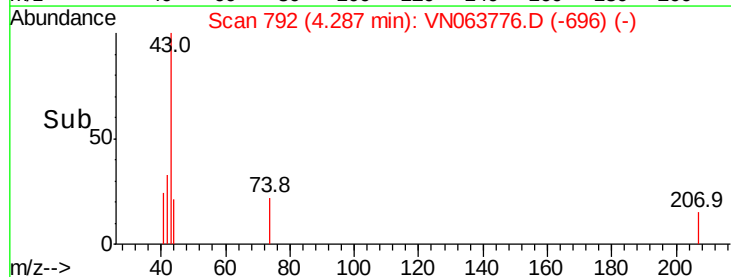
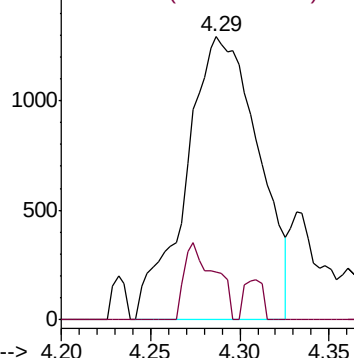
43 100

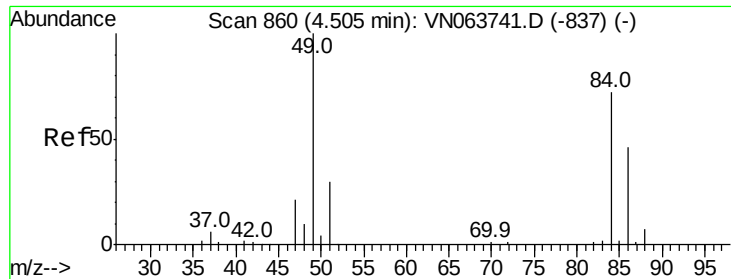
74 11.4 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

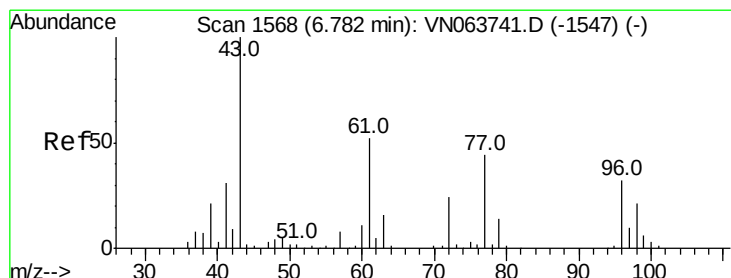
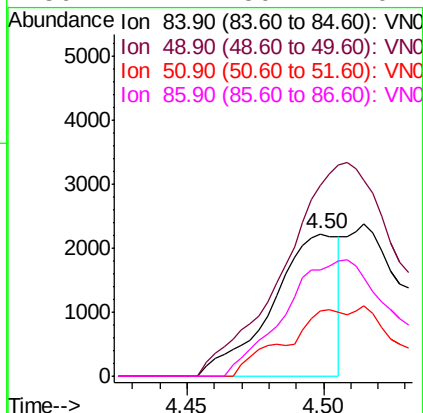
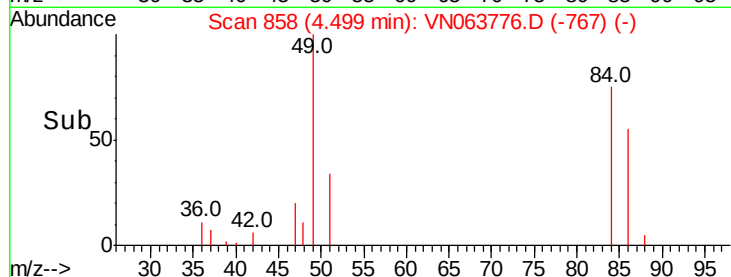
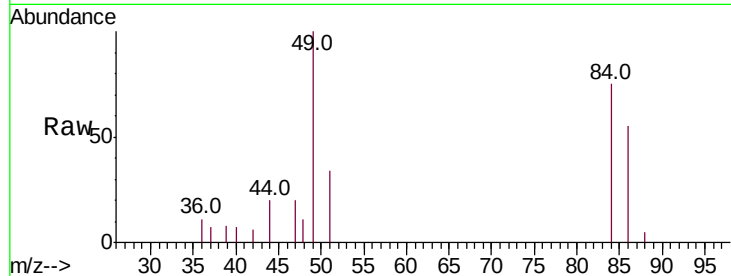




#20
Methvlene Chloride
Concen: 1.567 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

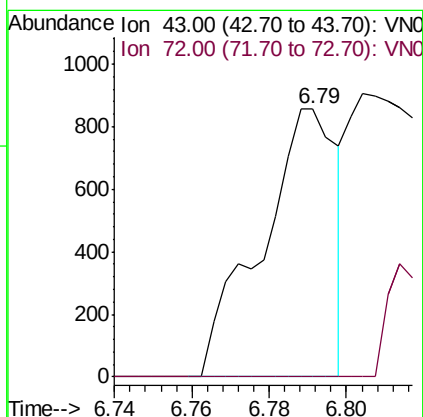
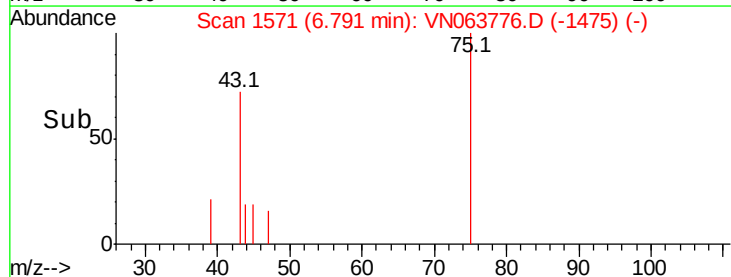
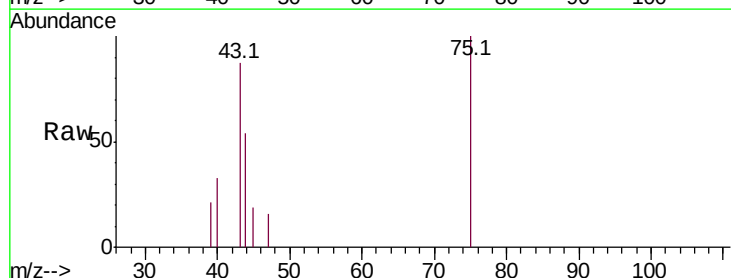
Instrument :
MSVOA_N
ClientSampled :
PB132009TB

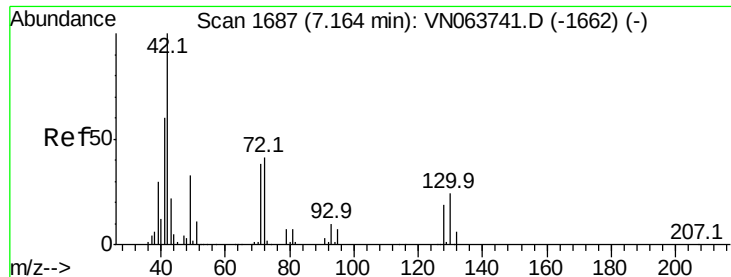
Tot Ion: 84 Resp: 3744
Ion Ratio Lower Upper
84 100
49 134.0 110.4 165.6
51 46.2 33.3 49.9
86 74.2 50.7 76.1



#25
2-Butanone
Concen: 0.735 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB132009TB

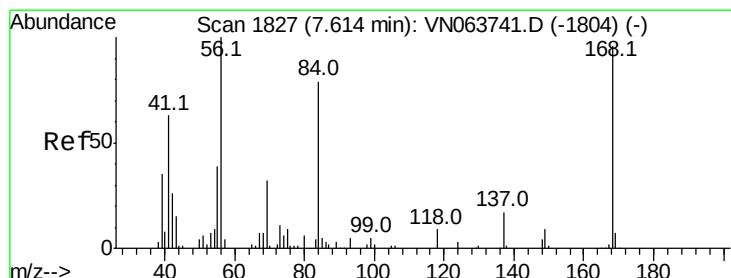
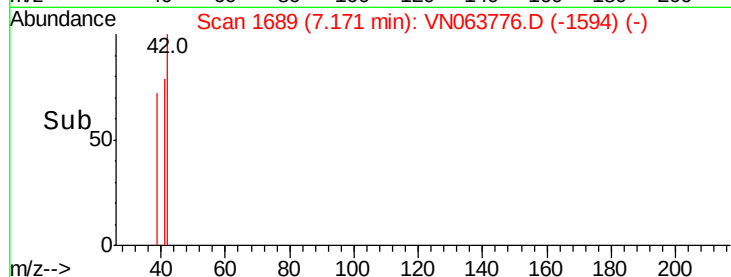
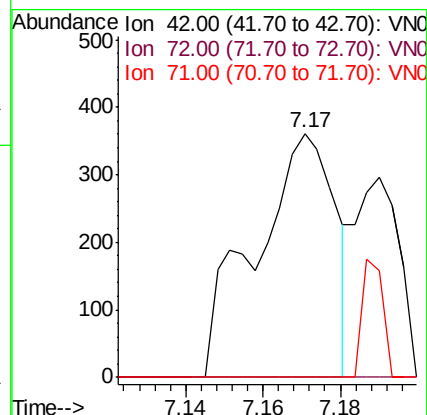
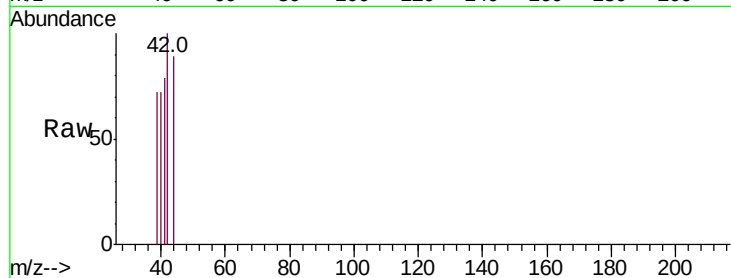
Tot Ion: 42 Resp: 516

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#



#31

Cyclohexane

Concen: 1.487 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

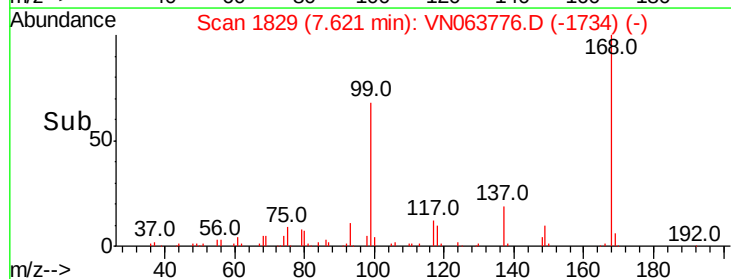
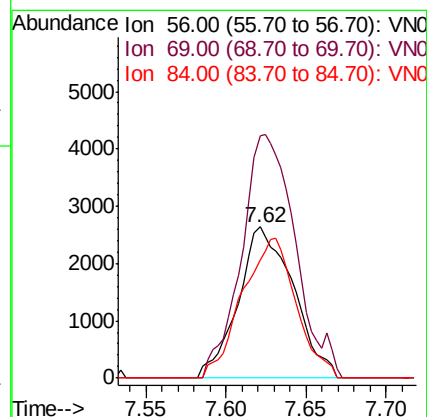
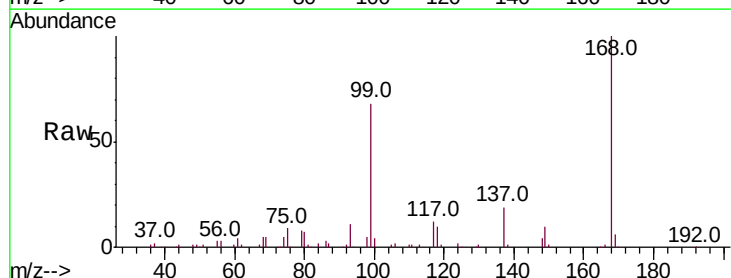
Tgt Ion: 56 Resp: 6230

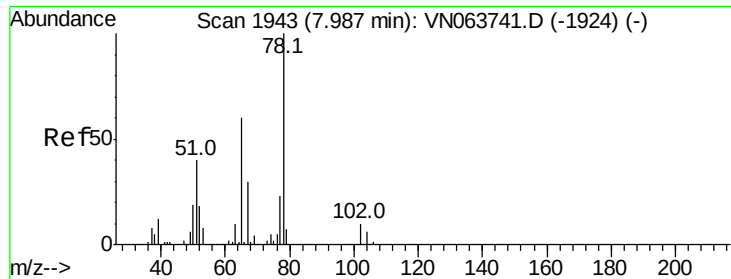
Ion Ratio Lower Upper

56 100

69 160.7 25.4 38.2#

84 78.1 63.3 94.9





#33

1,2-Dichloroethane-d4

Concen: 51.228 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

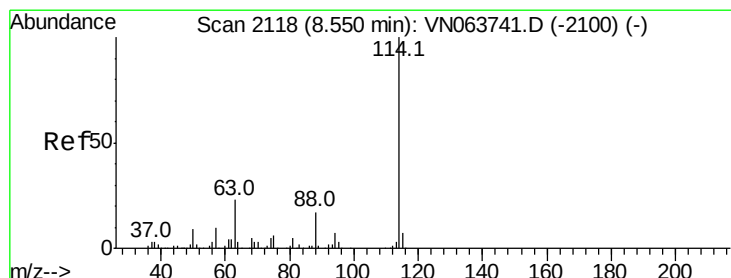
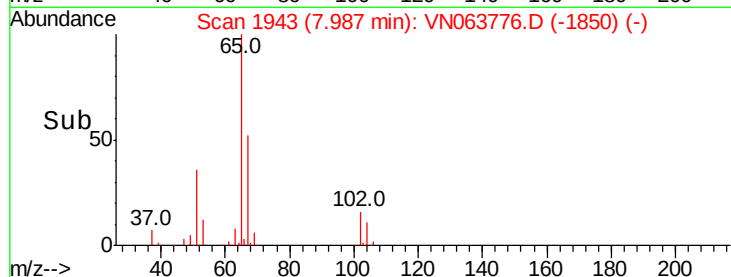
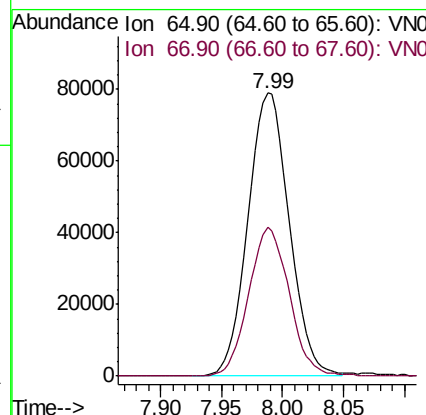
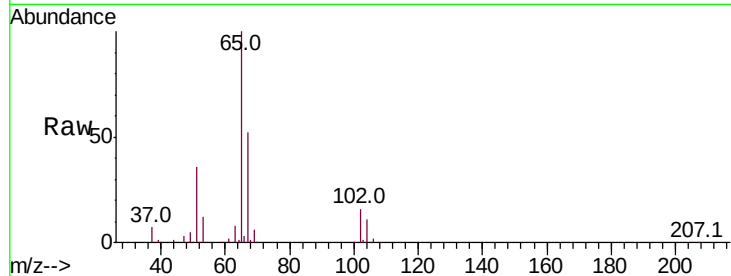
Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
PB132009TB

Tot Ion: 65 Resp: 184859

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

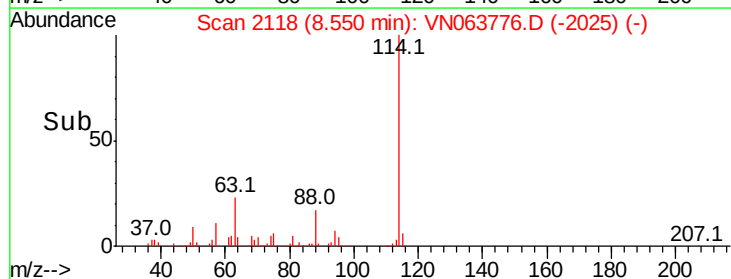
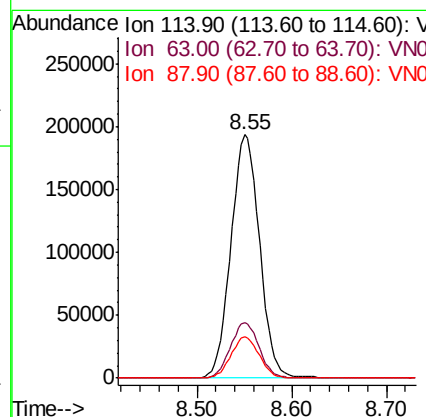
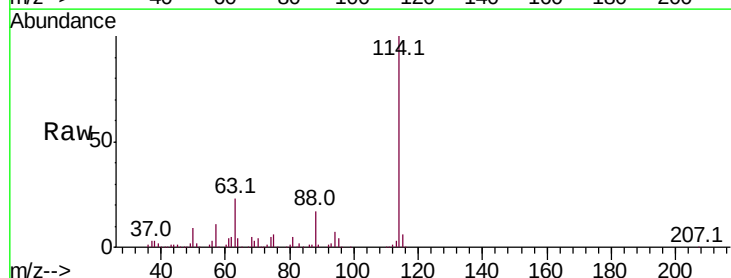
Delta R.T. 0.00 min

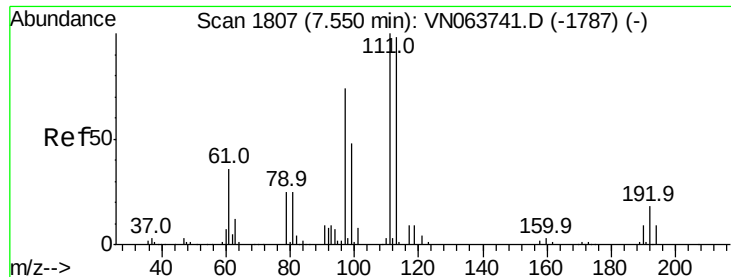
Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Tgt Ion: 114 Resp: 407997

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.0
88	16.8	0.0	34.0

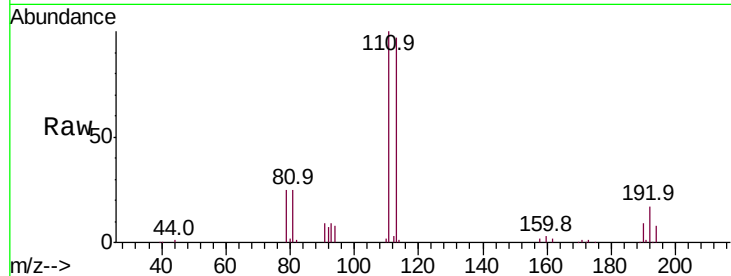




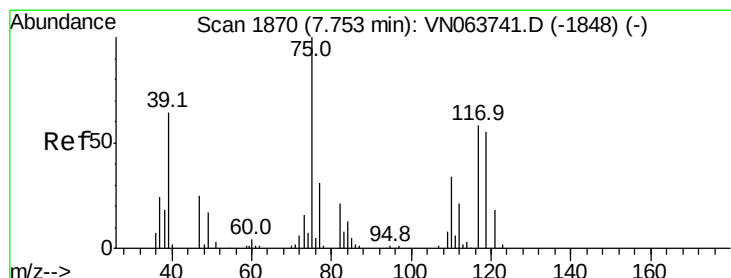
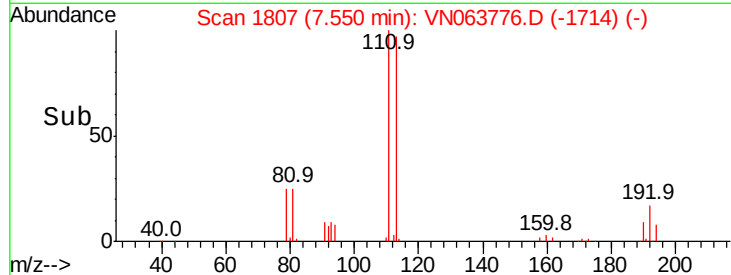
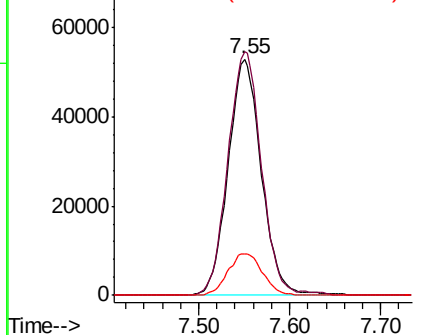
#35
 Dibromofluoromethane
 Concen: 47.394 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063776.D
 Acq: 1 Oct 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009TB

Tot Ion:113 Resp: 134173
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 18.4 14.2 21.2

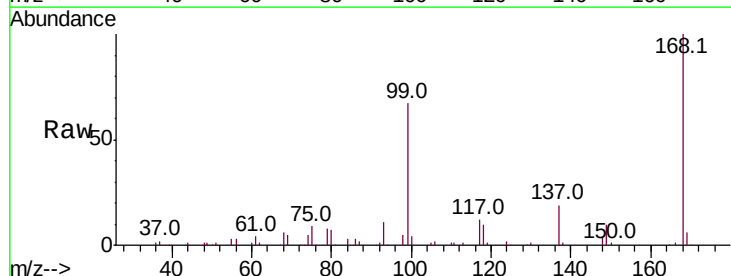


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

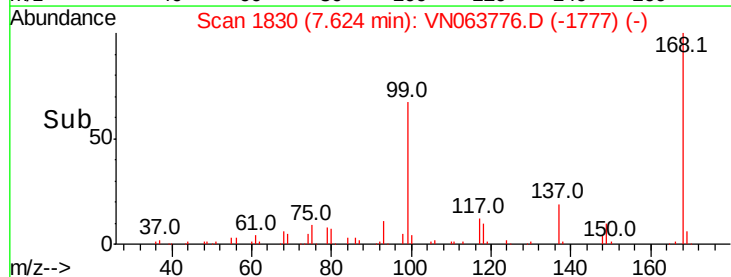
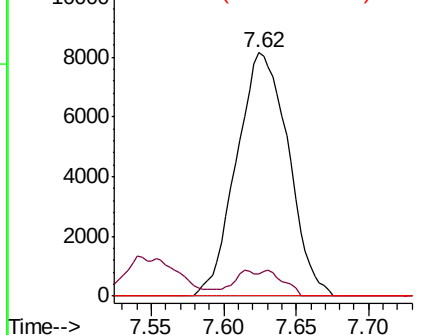


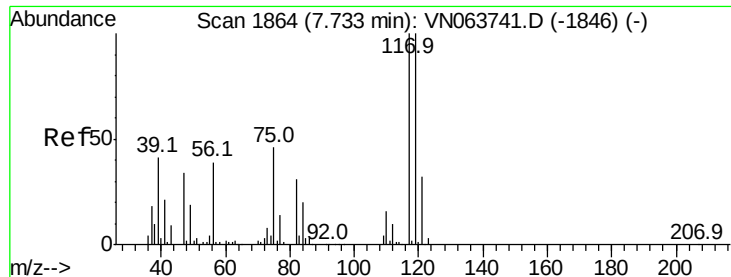
#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063776.D
 Acq: 1 Oct 2020 16:58

Tgt Ion: 75 Resp: 20212
 Ion Ratio Lower Upper
 75 100
 110 3.3 16.9 50.6#
 77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.535 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampled :

PB132009TB

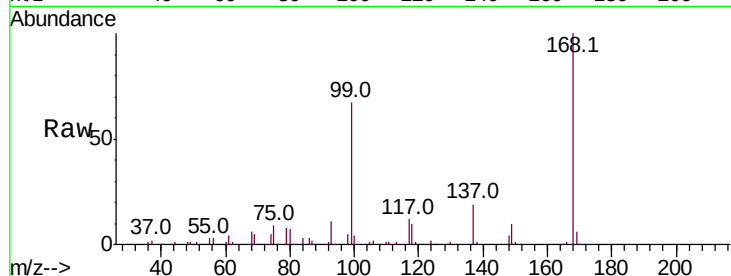
Tot Ion:117 Resp: 25656

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

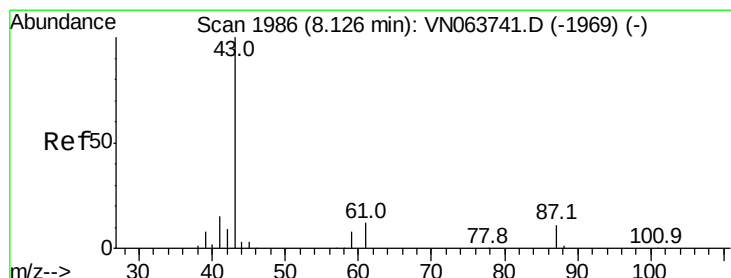
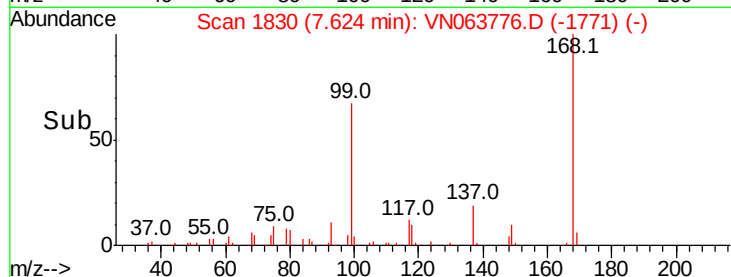
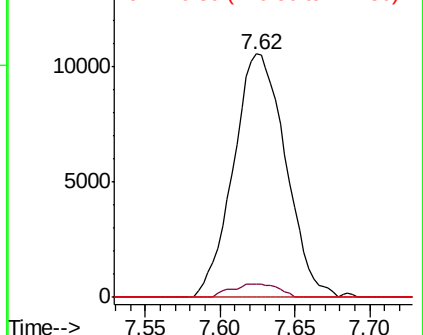
121 0.0 25.7 38.5#



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: 11.766 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

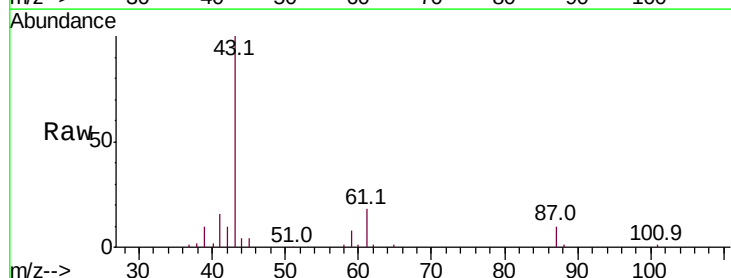
Tgt Ion: 43 Resp: 79696

Ion Ratio Lower Upper

43 100

61 17.2 14.2 21.4

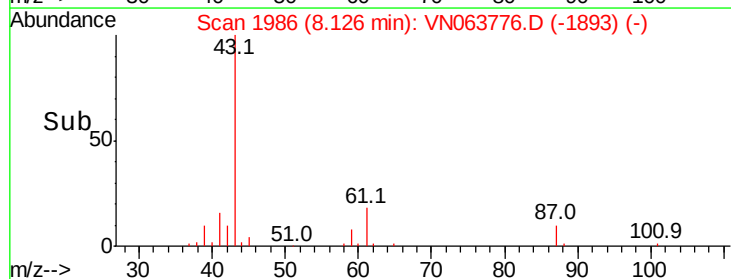
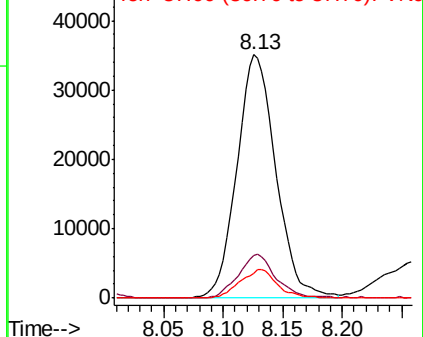
87 11.2 9.0 13.6

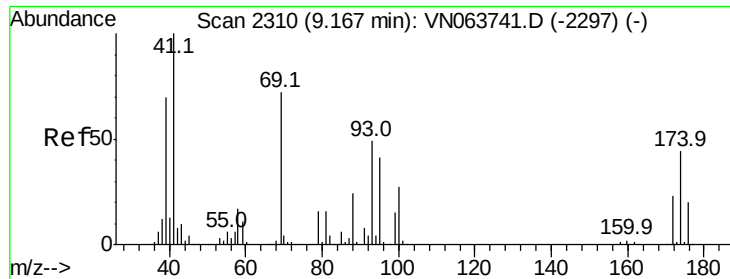


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

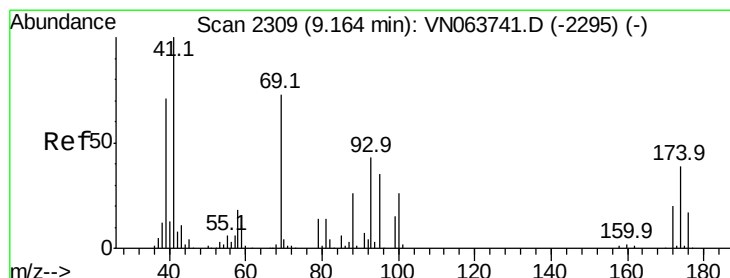
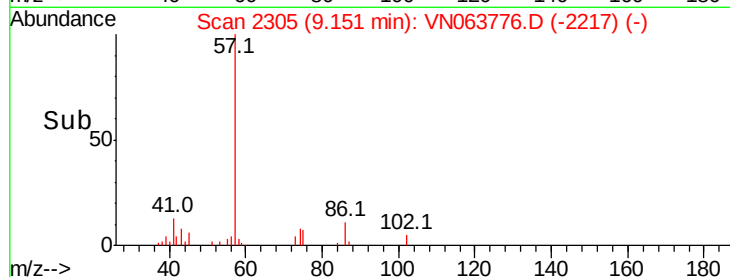
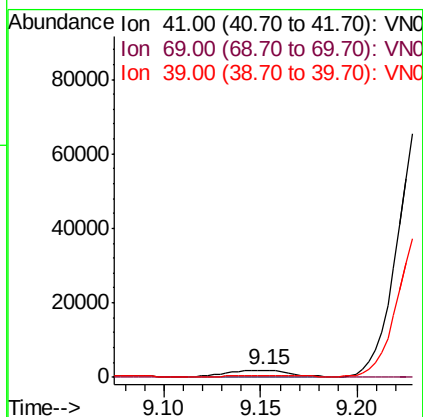
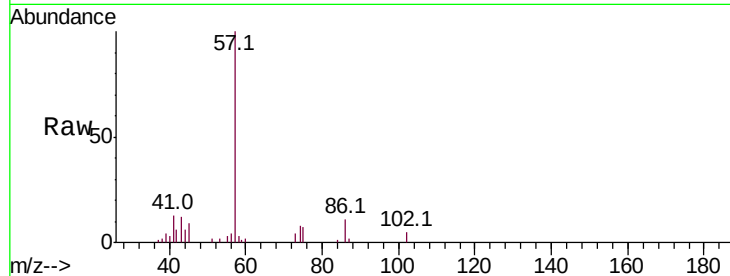




#48
Methvl methacrylate
Concen: 1.347 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

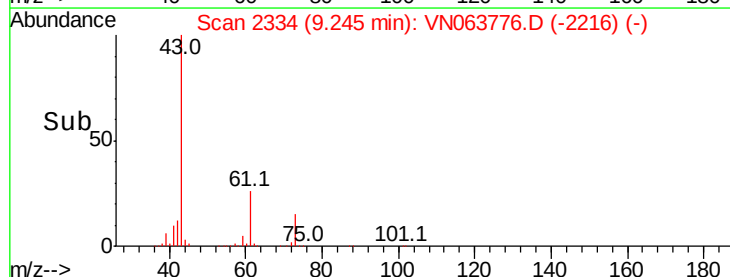
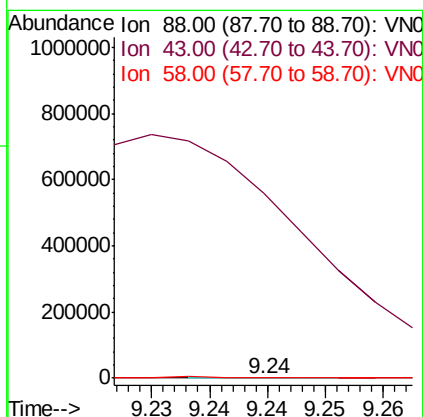
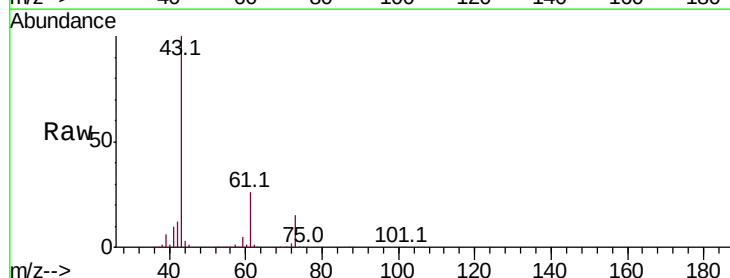
Instrument :
MSVOA_N
ClientSampleId :
PB132009TB

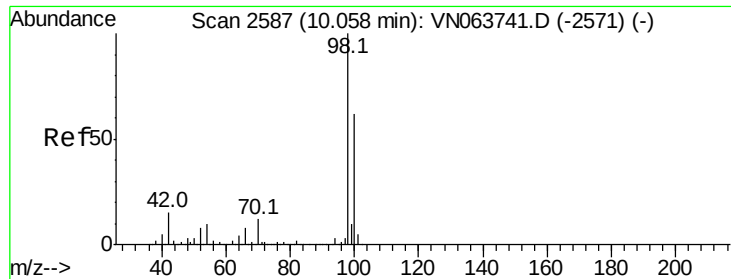
Tot Ion: 41 Resp: 4508
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#



#49
1,4-Dioxane
Concen: 0.631 ug/l
RT: 9.24 min Scan# 2334
Delta R.T. 0.08 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 4516533.3 33.1 49.7#
58 20563.3 58.9 88.3#

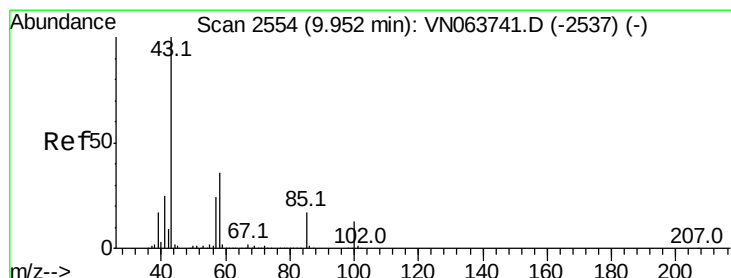
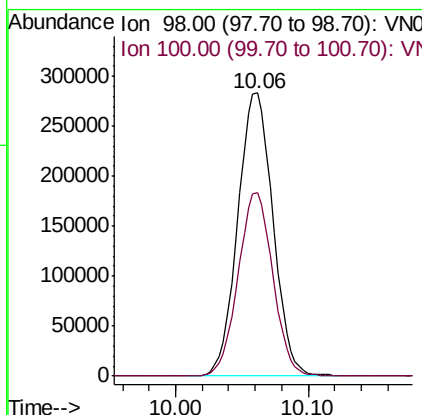
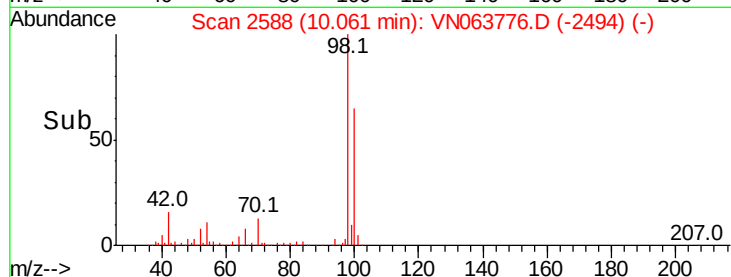
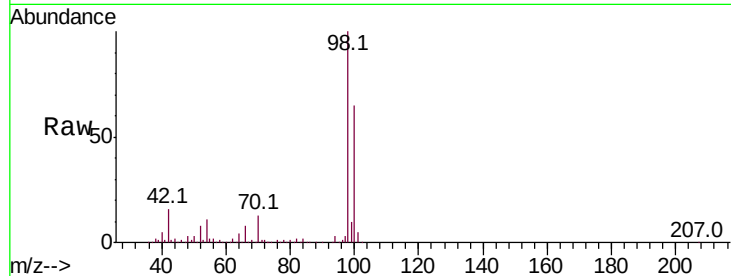




#50
Toluene-d8
Concen: 48.787 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

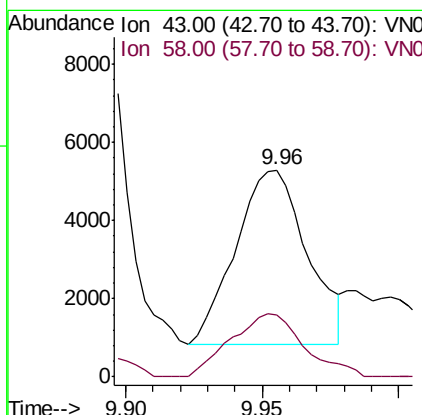
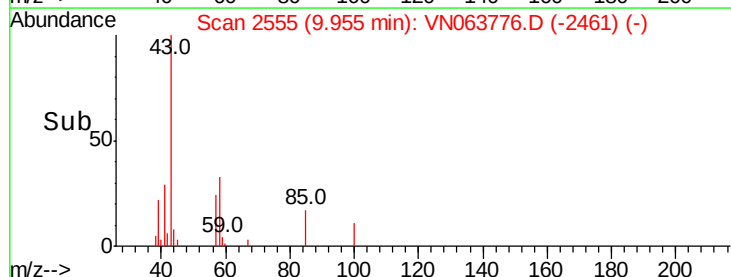
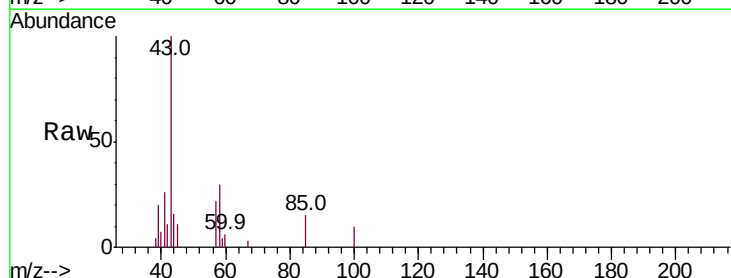
Instrument :
MSVOA_N
ClientSampled :
PB132009TB

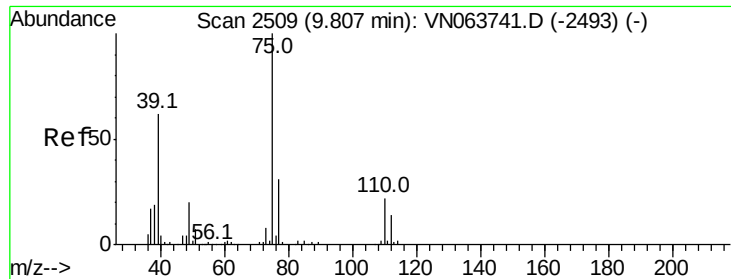
Tot Ion: 98 Resp: 523584
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 2.032 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN063776.D
Acq: 1 Oct 2020 16:58

Tgt Ion: 43 Resp: 8079
Ion Ratio Lower Upper
43 100
58 37.4 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 6.084 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB132009TB

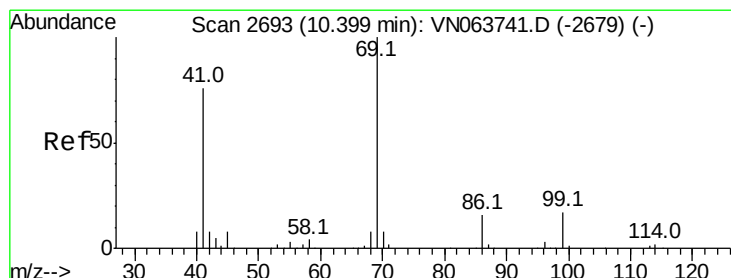
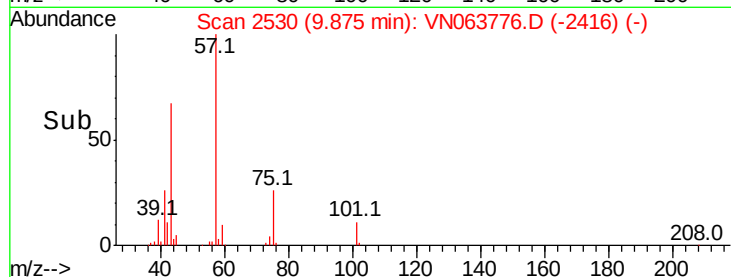
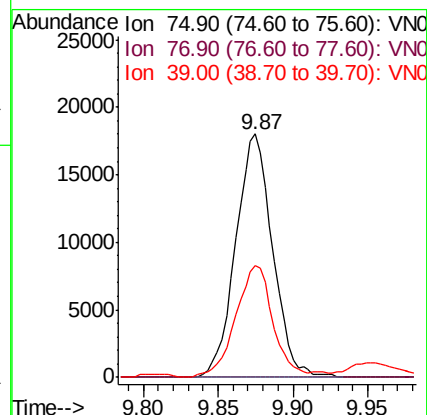
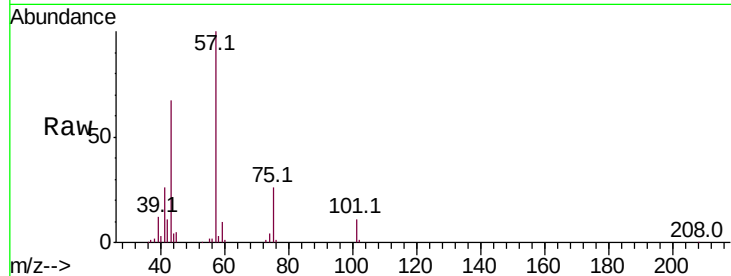
Tot Ion: 75 Resp: 30920

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 46.0 49.7 74.5#



#56

Ethyl methacrylate

Concen: 0.410 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

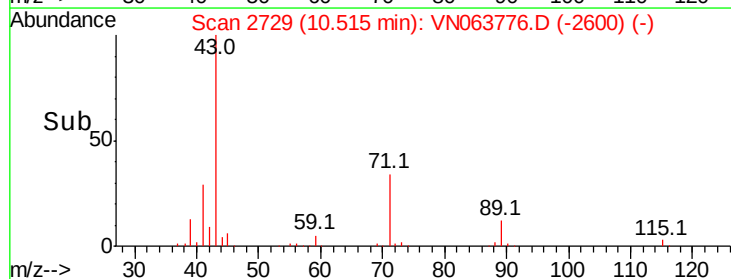
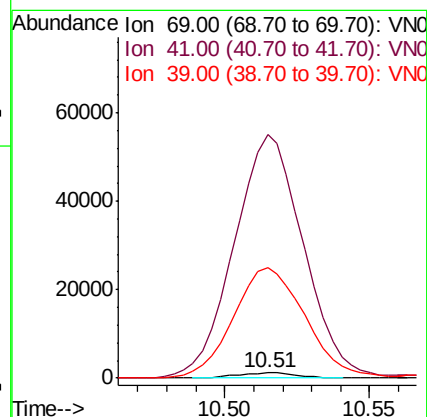
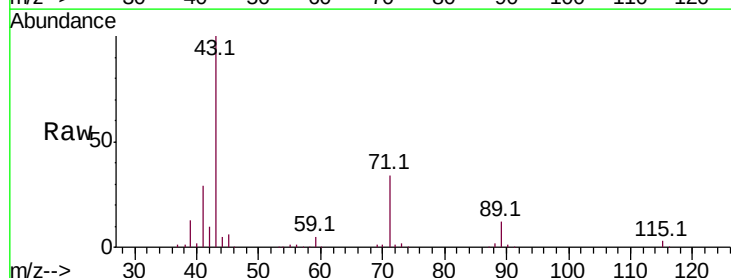
Tgt Ion: 69 Resp: 1700

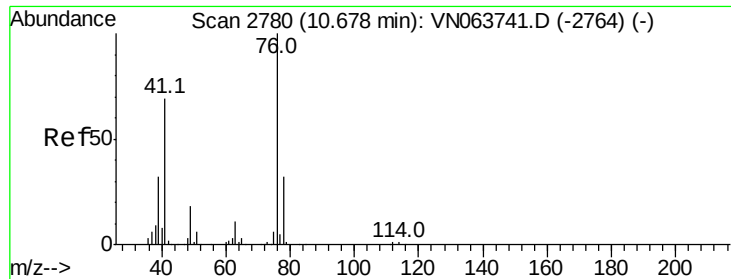
Ion Ratio Lower Upper

69 100

41 5397.3 61.1 91.7#

39 2533.5 42.2 63.4#





#57

1,3-Dichloropropane

Concen: 1.099 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

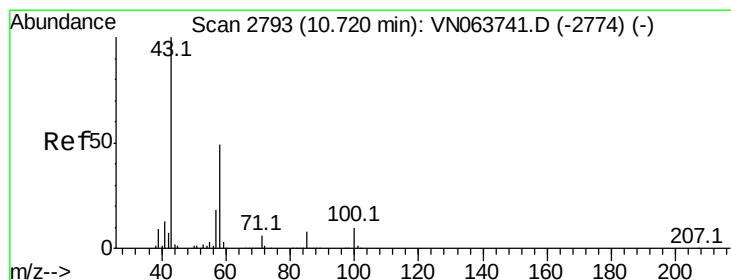
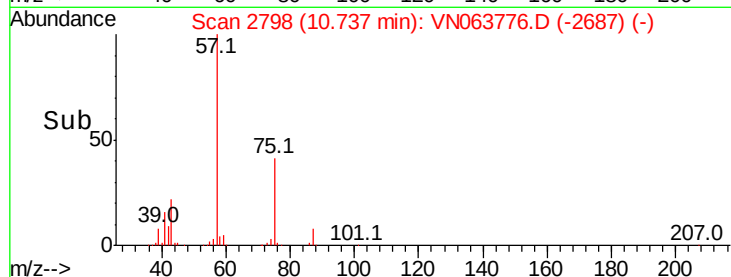
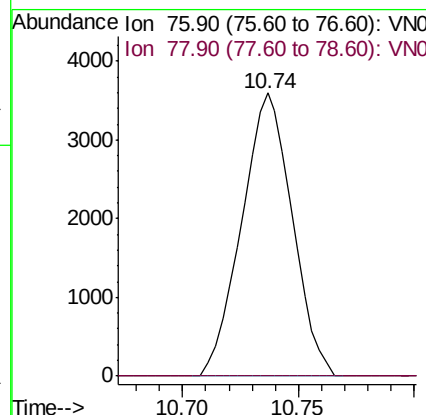
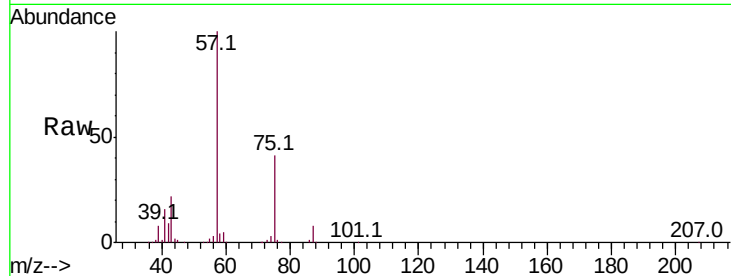
Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :
MSVOA_N
ClientSampled :
PB132009TB

Tot Ion: 76 Resp: 5444

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.2	37.8#



#59

2-Hexanone

Concen: 29.720 ug/l

RT: 10.74 min Scan# 2798

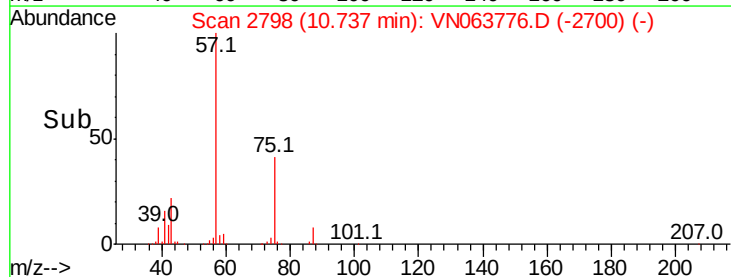
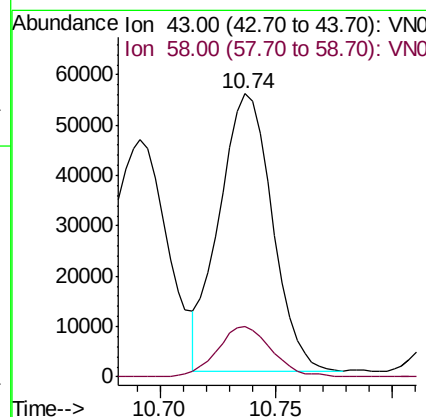
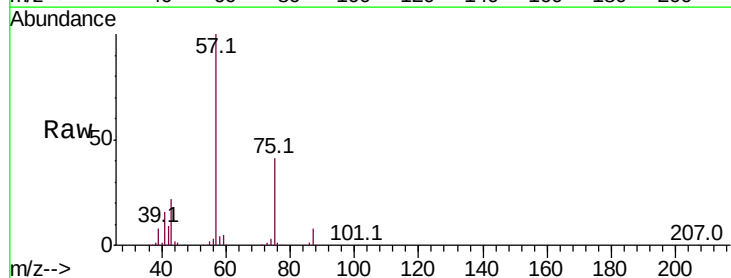
Delta R.T. 0.02 min

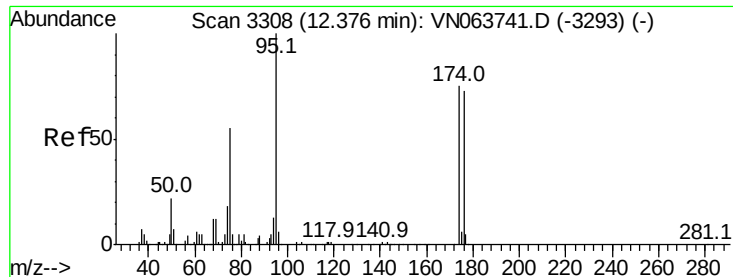
Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Tgt Ion: 43 Resp: 87761

Ion	Ratio	Lower	Upper
43	100		
58	18.8	24.6	73.8#





#62

4-Bromofluorobenzene

Concen: 51.800 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB132009TB

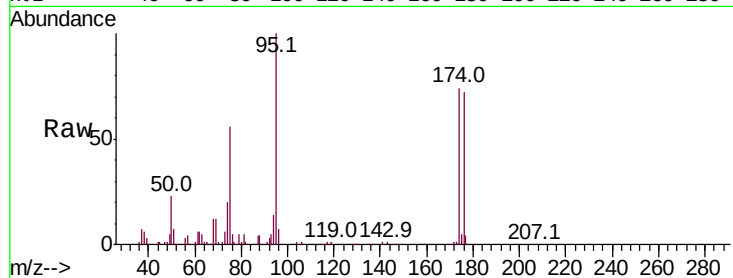
Tot Ion: 95 Resp: 208975

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.6

176 72.5 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063776.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063776.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063776.D (-2905) (-)

12.38

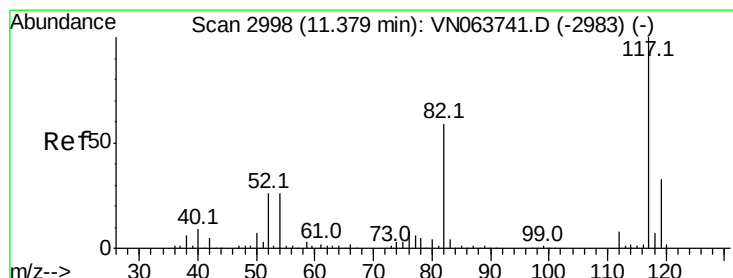
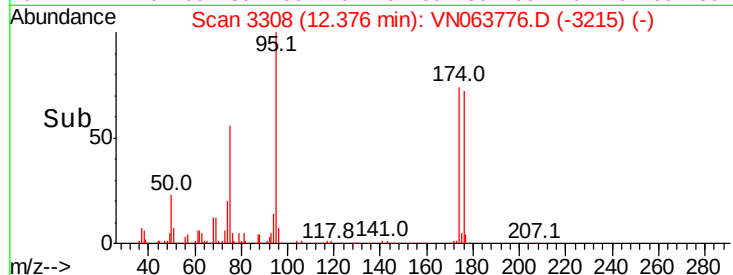
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

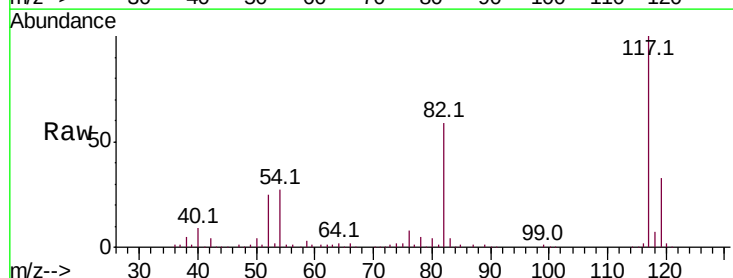
Tgt Ion: 117 Resp: 425514

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.2

119 32.9 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063776.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063776.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063776.D (-2905) (-)

11.38

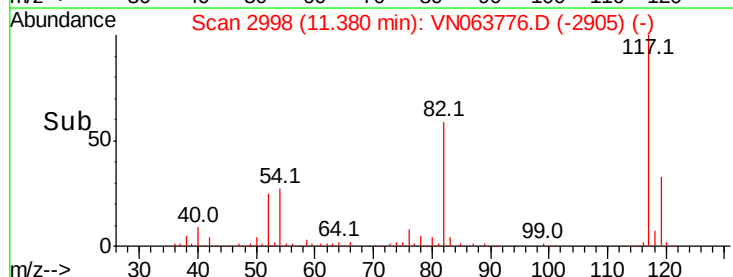
300000

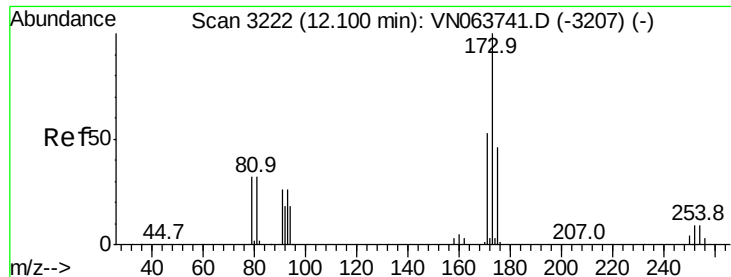
200000

100000

0

Time-->





#71

Bromoform

Concen: 0.756 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB132009TB

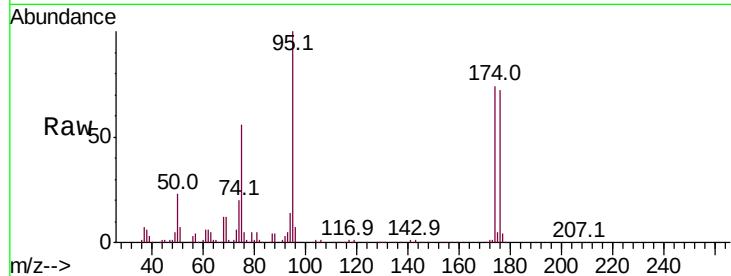
Tot Ion:173 Resp: 1935

Ion Ratio Lower Upper

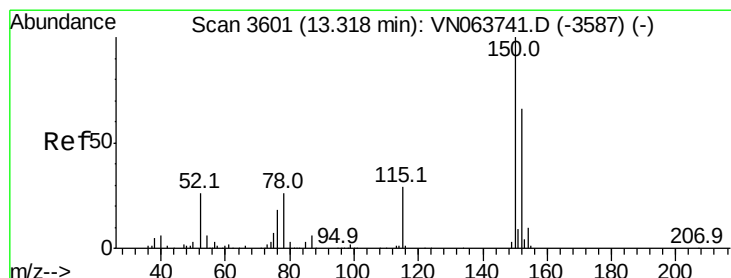
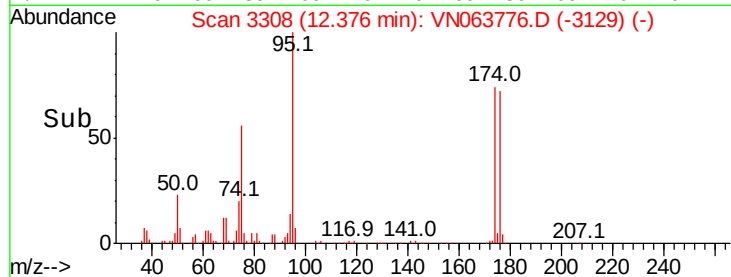
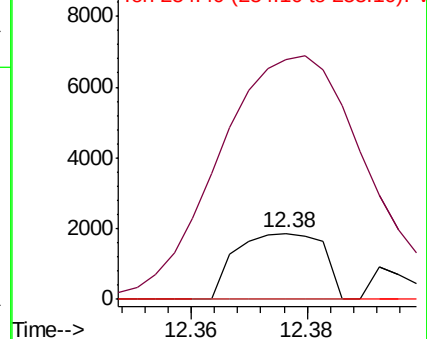
173 100

175 512.0 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: VN063776.D

Acq: 1 Oct 2020 16:58

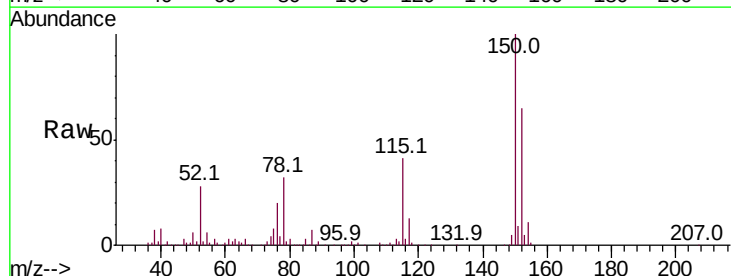
Tgt Ion:152 Resp: 175560

Ion Ratio Lower Upper

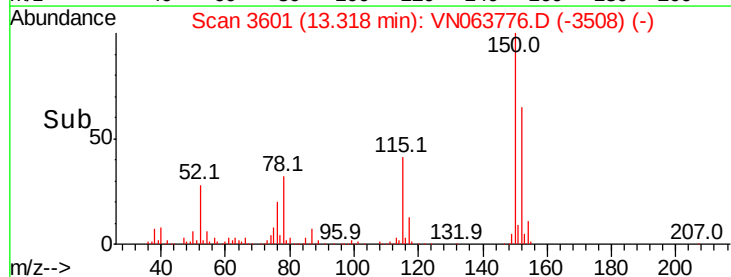
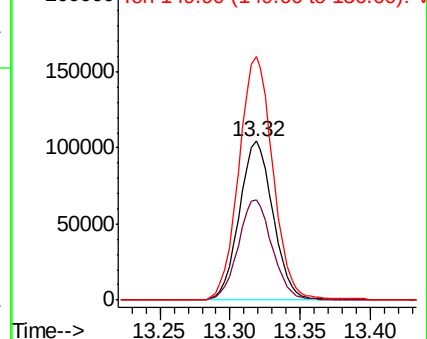
152 100

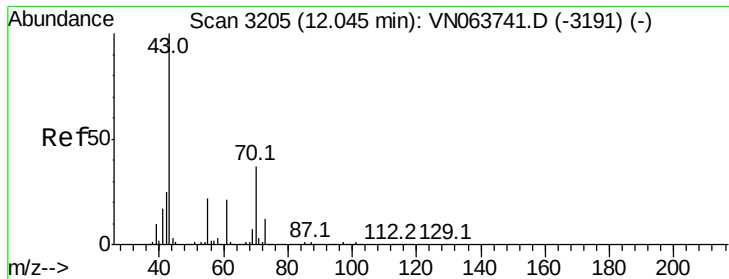
115 63.5 31.3 93.8

150 154.7 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: 2.559 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampled :

PB132009TB

Tot Ion: 43 Resp: 2134

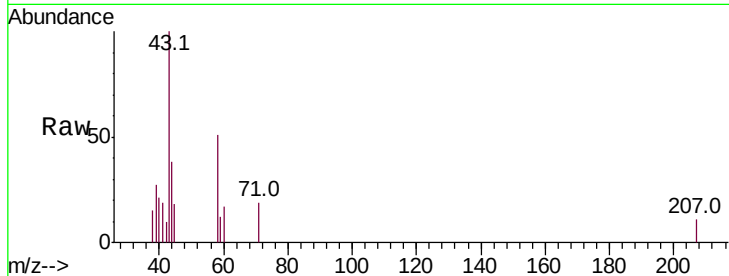
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

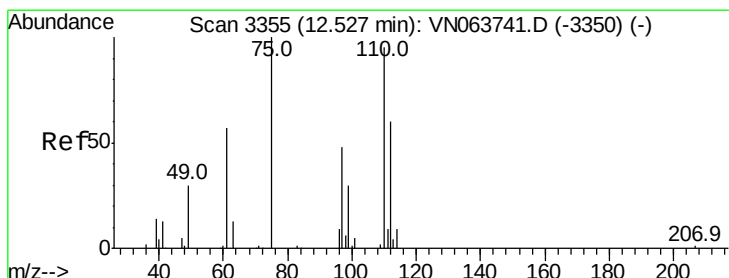
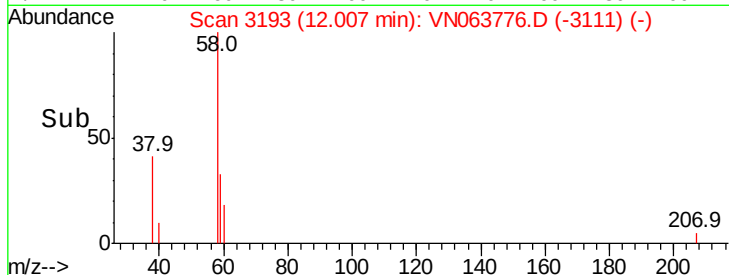
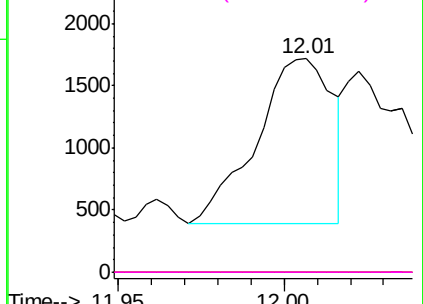


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.895 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063776.D

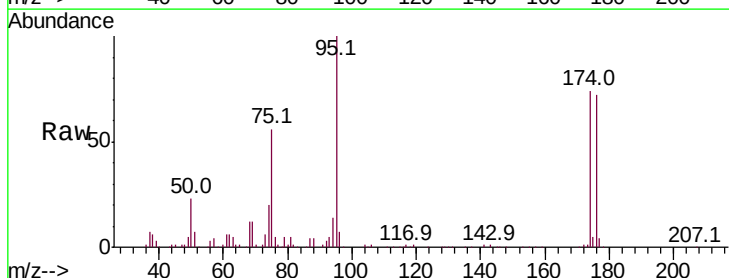
Acq: 1 Oct 2020 16:58

Tgt Ion: 75 Resp: 119566

Ion Ratio Lower Upper

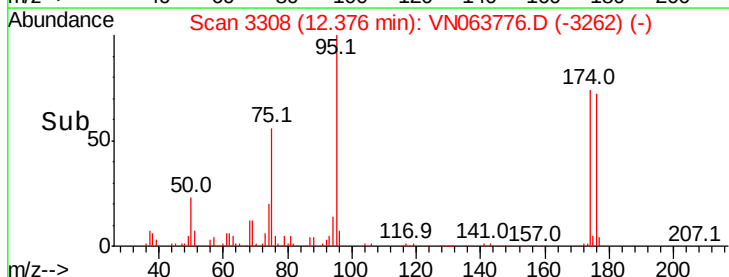
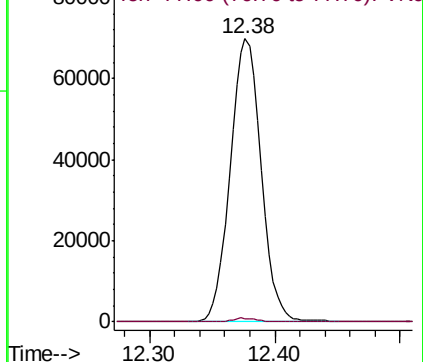
75 100

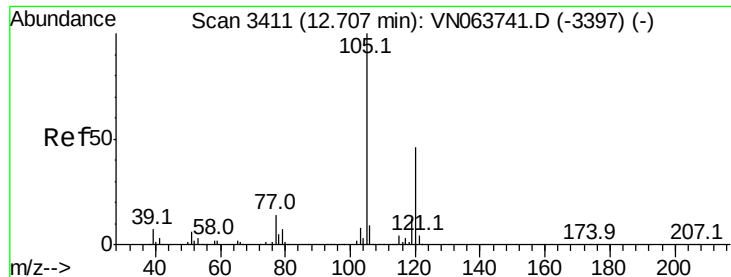
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

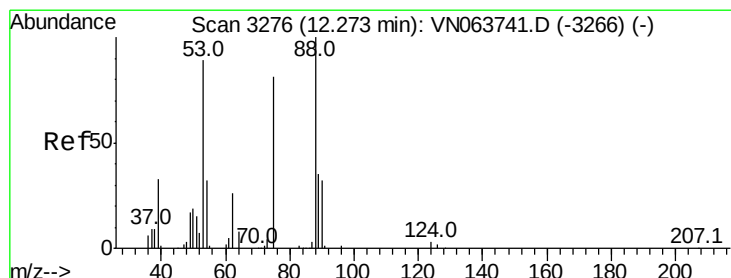
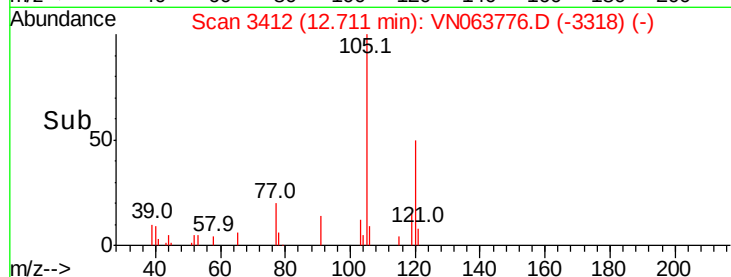
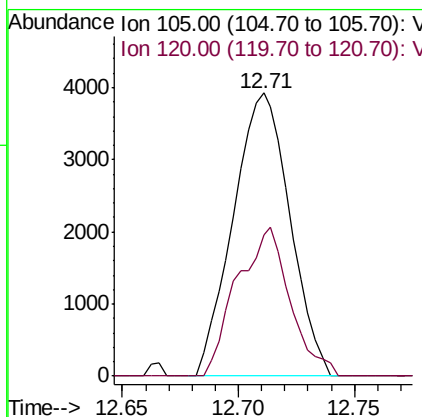
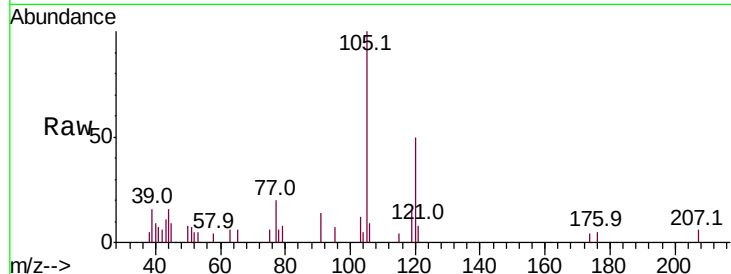




#80
 1,3,5-Trimethylbenzene
 Concen: 0.621 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063776.D
 Acq: 1 Oct 2020 16:58

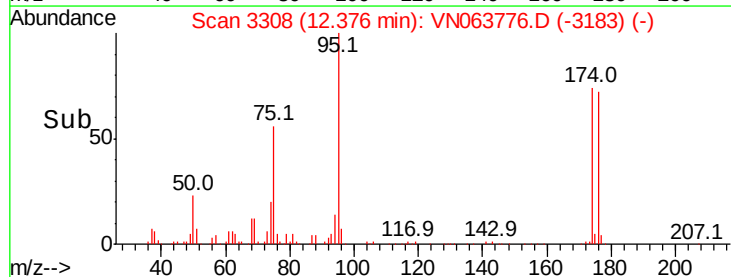
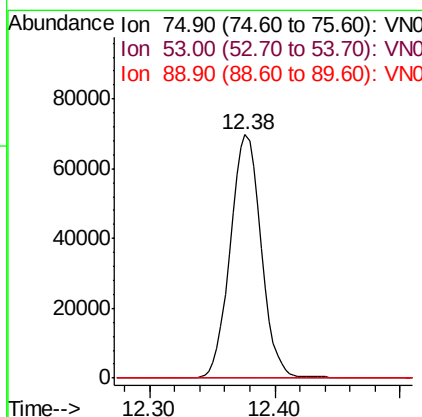
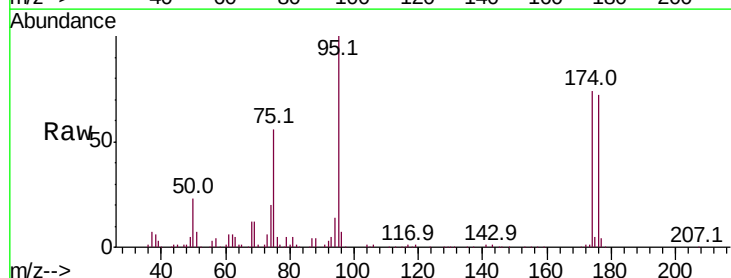
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132009TB

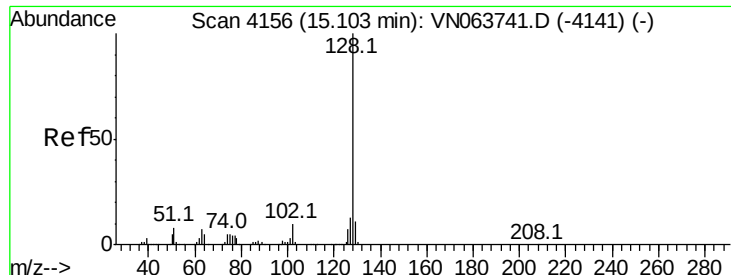
Tot Ion:105 Resp: 6673
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.983 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063776.D
 Acq: 1 Oct 2020 16:58

Tgt Ion: 75 Resp: 119566
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.947 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063776.D

Acq: 1 Oct 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

PB132009TB

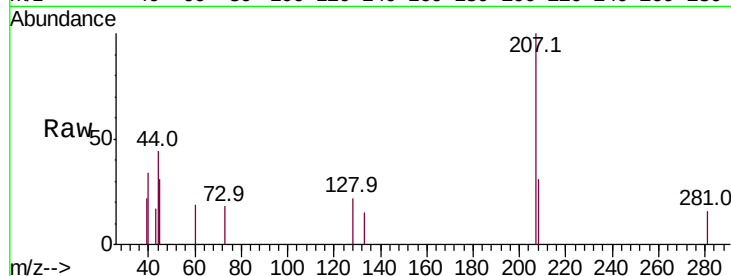
Tot Ion:128 Resp: 223

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

