

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062476.D
 Acq On : 9 Jul 2020 23:52
 Operator : JC/MD
 Sample : PB130035ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#07

Quant Time: Jul 10 02:11:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	382689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	161801	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.55	113	120908	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.06	98	496709	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.38	95	182407	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

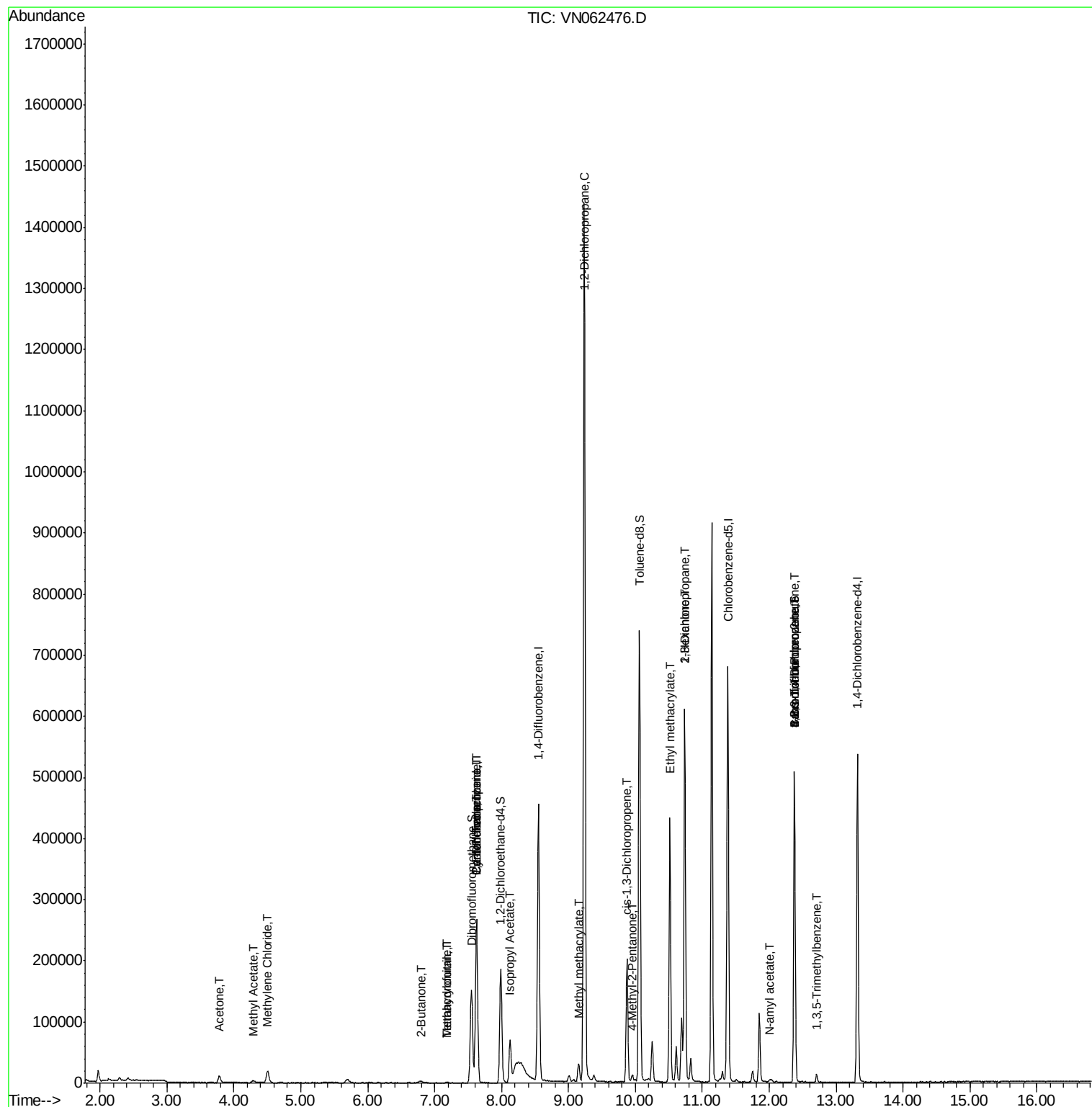
						Qvalue
16) Acetone	3.78	43	18988	14.097	ug/l	99
18) Methyl Acetate	4.29	43	6658	1.981	ug/l	92
20) Methylene Chloride	4.50	84	13060	4.535	ug/l	95
25) 2-Butanone	6.80	43	3513	1.786	ug/l #	81
29) Tetrahydrofuran	7.18	42	849	0.641	ug/l #	39
31) Cyclohexane	7.63	56	4948	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	18058	4.684	ug/l #	51
38) Carbon Tetrachloride	7.63	117	21164	6.106	ug/l #	16
41) Methacrylonitrile	7.17	41	415	0.220	ug/l #	19
43) Isopropyl Acetate	8.13	43	85263	11.972	ug/l	94
45) 1,2-Dichloropropane	9.24	63	1761	0.534	ug/l #	44
48) Methyl methacrylate	9.14	41	4890	1.400	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	8990	2.113	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	34034	6.918	ug/l #	60
56) Ethyl methacrylate	10.52	69	1265	1.969	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5511	1.156	ug/l #	43
59) 2-Hexanone	10.74	43	94396	30.567	ug/l #	54
71) Bromoform	12.38	173	780	0.400	ug/l #	1
74) N-amyl acetate	12.00	43	4622	0.895	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	95742	28.468	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6975	0.802	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	95742	76.198	ug/l #	10
95) Naphthalene	15.11	128	760	Below Cal	#	70

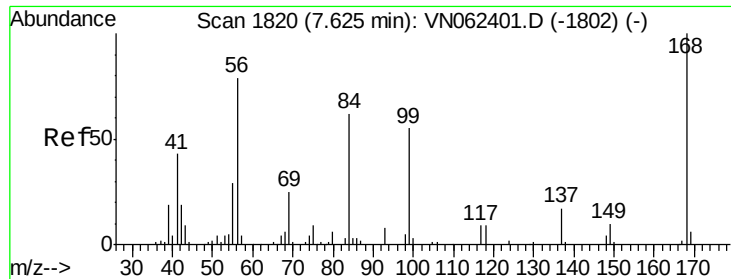
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070920\
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Quant Time: Jul 10 02:11:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

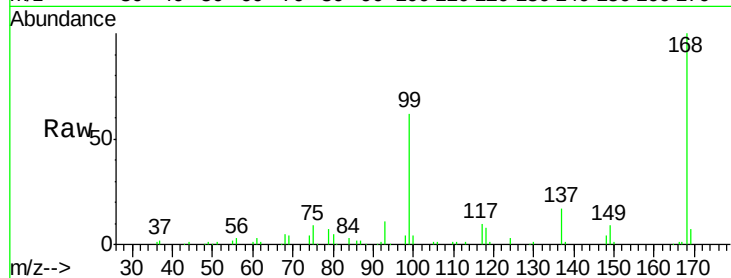
PB130035ZHE#07

Tot Ion:168 Resp: 206261

Ion Ratio Lower Upper

168 100

99 61.9 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

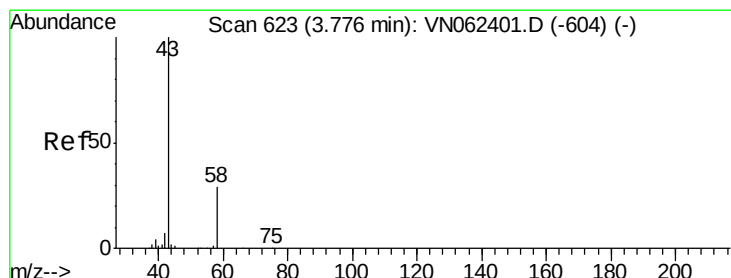
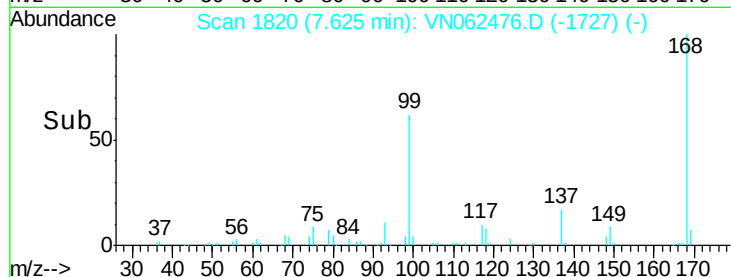
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: 14.097 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062476.D

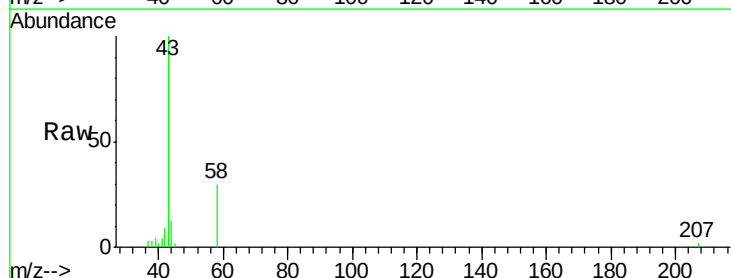
Acq: 9 Jul 2020 23:52

Tgt Ion: 43 Resp: 18988

Ion Ratio Lower Upper

43 100

58 30.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

8000

6000

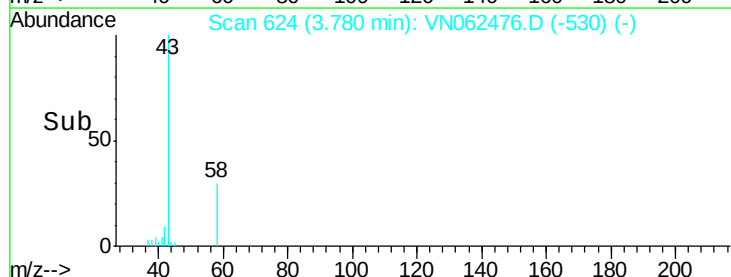
4000

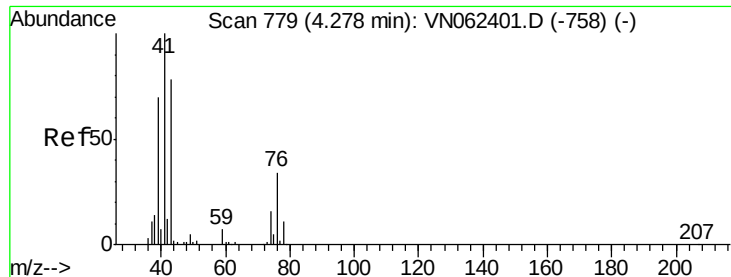
2000

0

Time-->

3.70 3.75 3.80 3.85

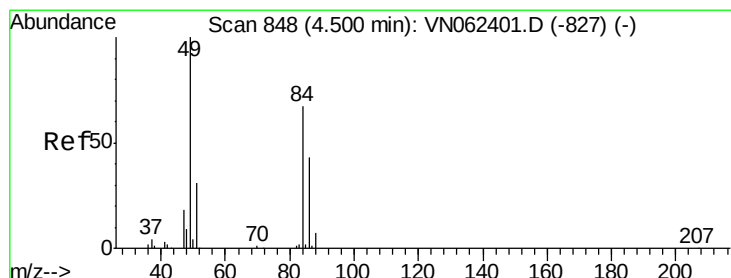
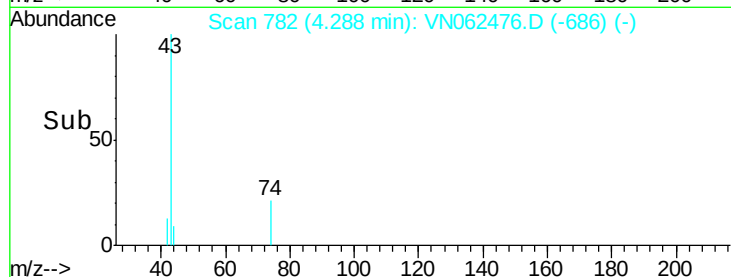
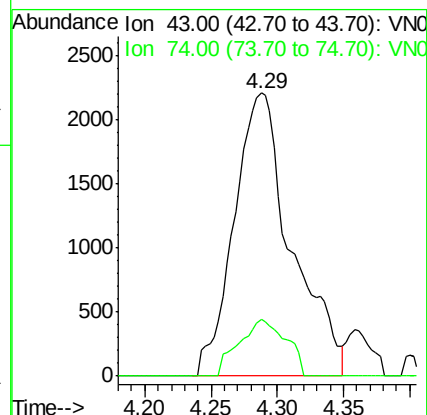
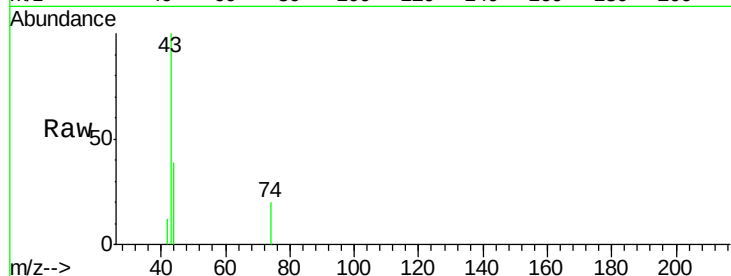




#18
Methvl Acetate
Concen: 1.981 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

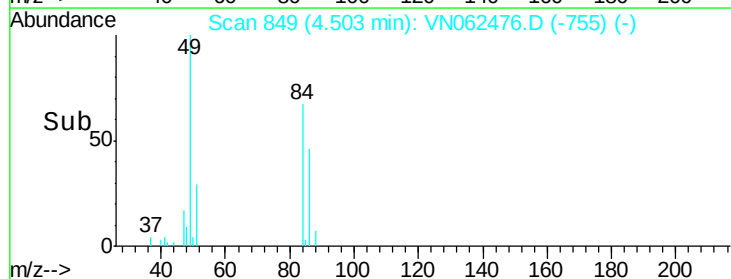
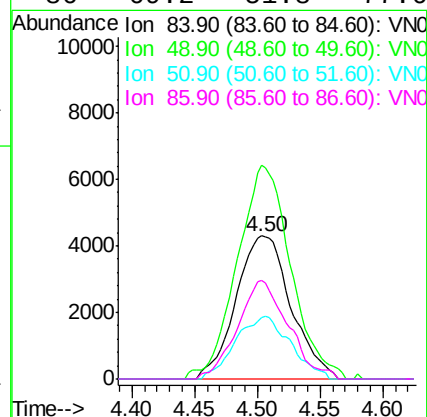
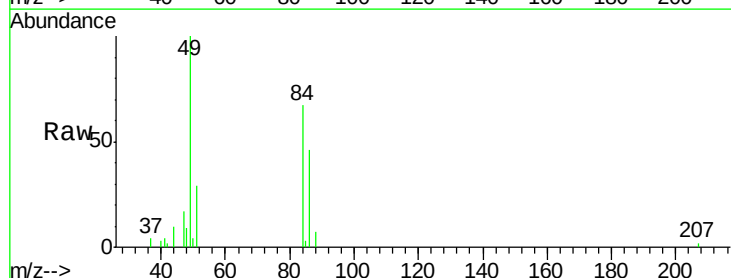
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#07

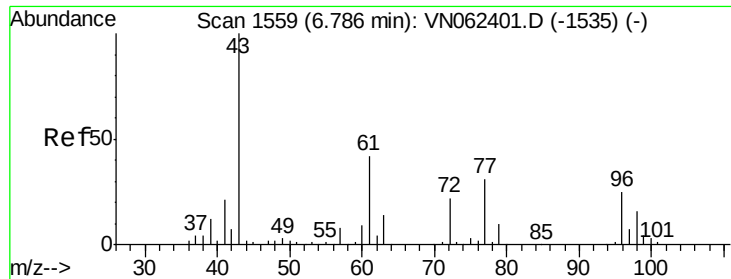
Tot Ion: 43 Resp: 6658
Ion Ratio Lower Upper
43 100
74 16.4 16.0 24.0



#20
Methylene Chloride
Concen: 4.535 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Tgt Ion: 84 Resp: 13060
Ion Ratio Lower Upper
84 100
49 144.7 120.0 180.0
51 43.0 37.0 55.6
86 69.2 51.8 77.6

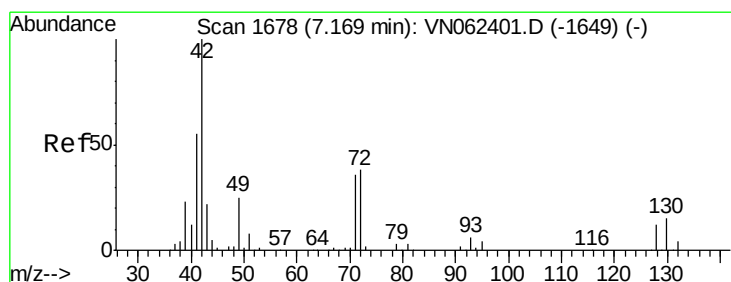
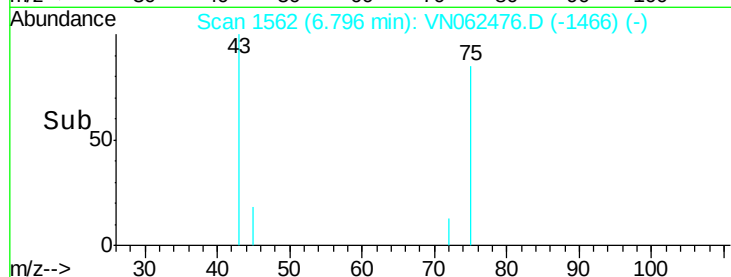
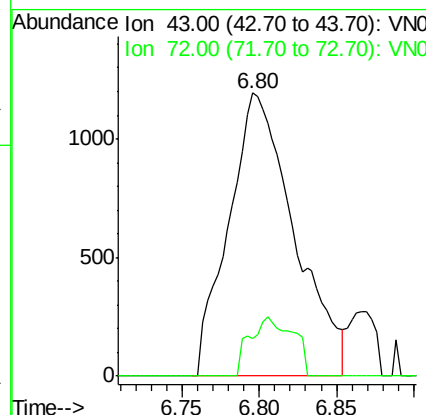
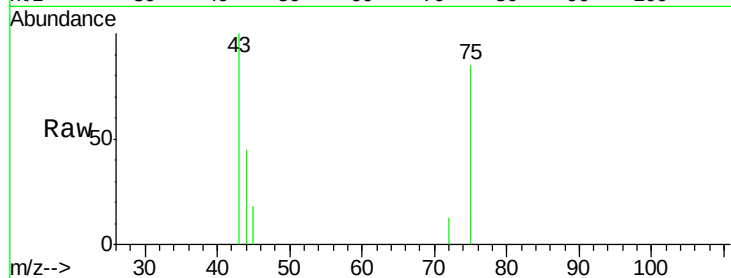




#25
2-Butanone
Concen: 1.786 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

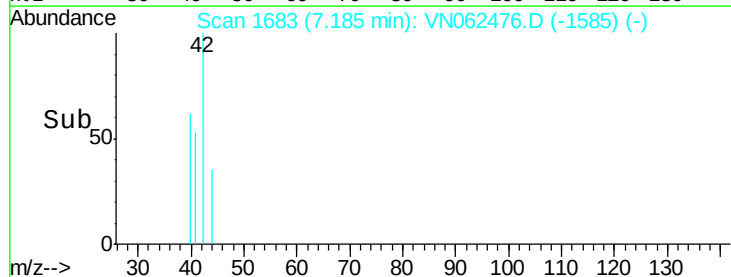
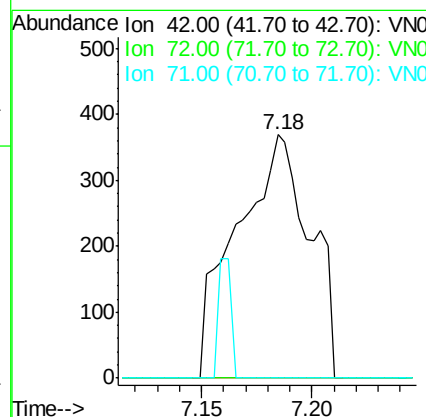
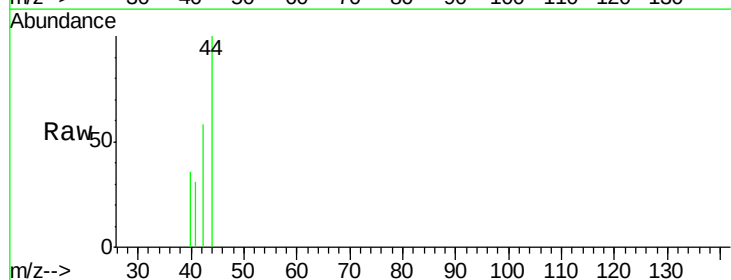
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#07

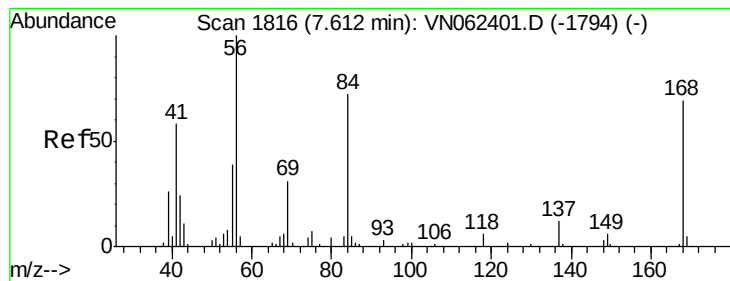
Tot Ion: 43 Resp: 3513
Ion Ratio Lower Upper
43 100
72 13.1 17.9 26.9#



#29
Tetrahydrofuran
Concen: 0.641 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Tgt Ion: 42 Resp: 849
Ion Ratio Lower Upper
42 100
72 0.0 29.1 43.7#
71 0.0 28.1 42.1#





#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#07

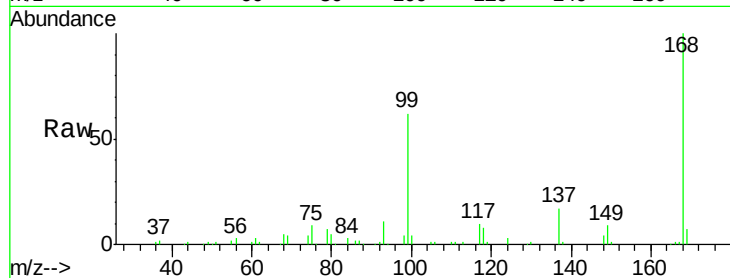
Tot Ion: 56 Resp: 4948

Ion Ratio Lower Upper

56 100

69 164.9 24.5 36.7#

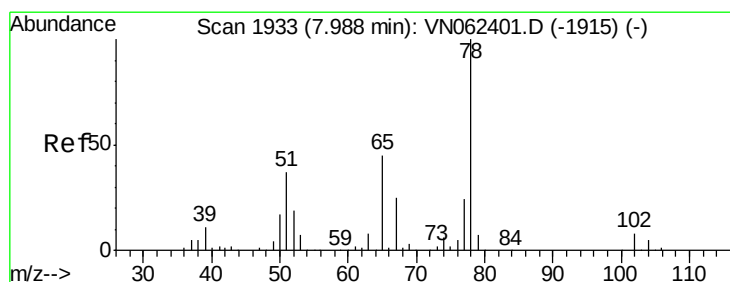
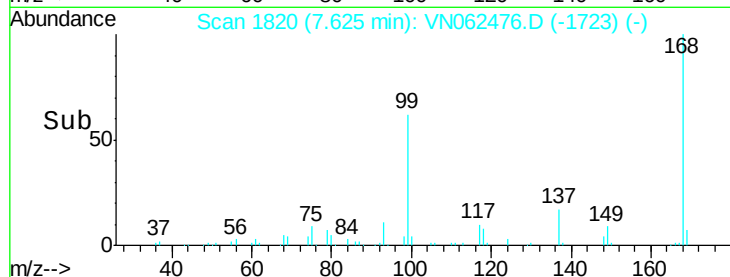
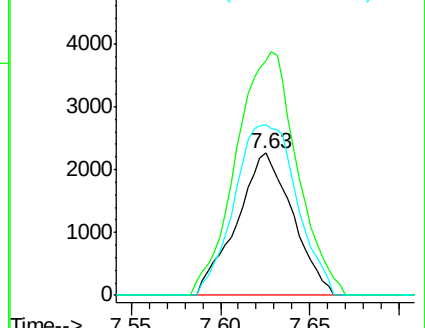
84 120.6 57.4 86.2#



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: 51.000 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062476.D

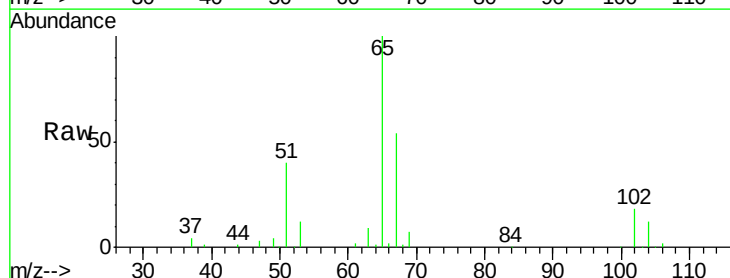
Acq: 9 Jul 2020 23:52

Tgt Ion: 65 Resp: 161801

Ion Ratio Lower Upper

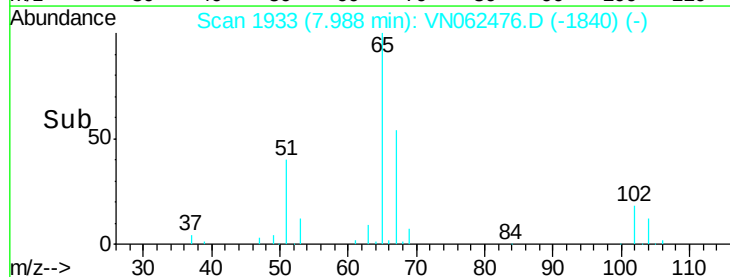
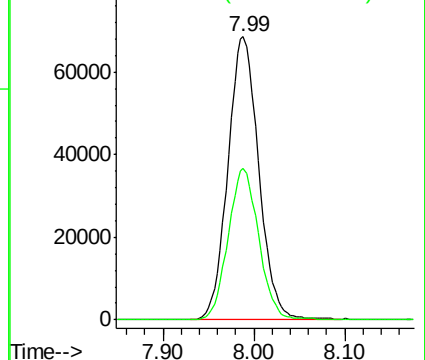
65 100

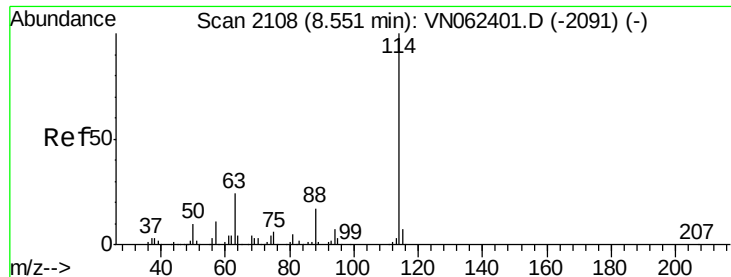
67 53.0 0.0 107.6



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# 2108

Delta R.T. -0.00 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#07

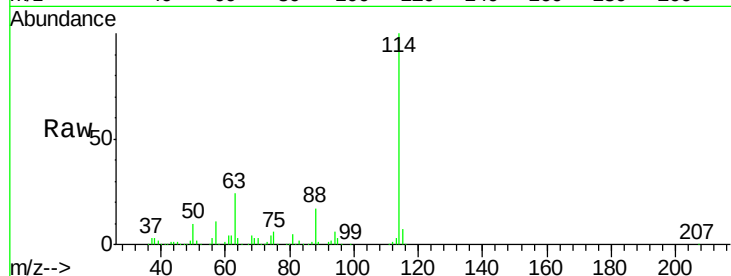
Tot Ion:114 Resp: 382689

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.4

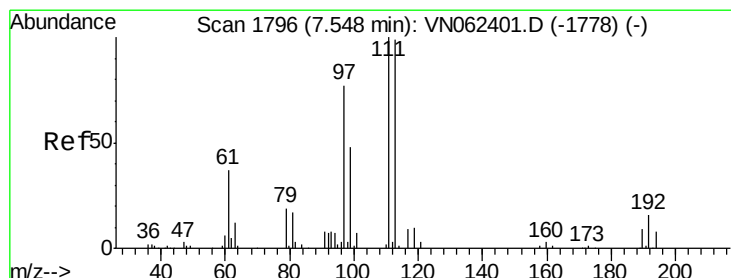
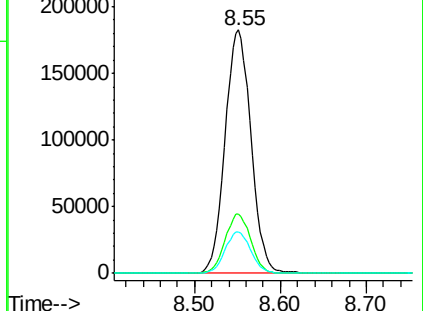
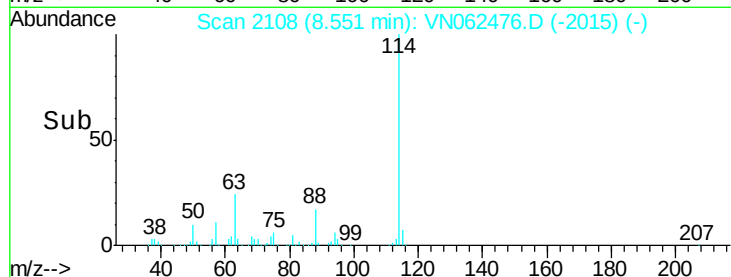
88 17.0 0.0 33.8



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: 51.112 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

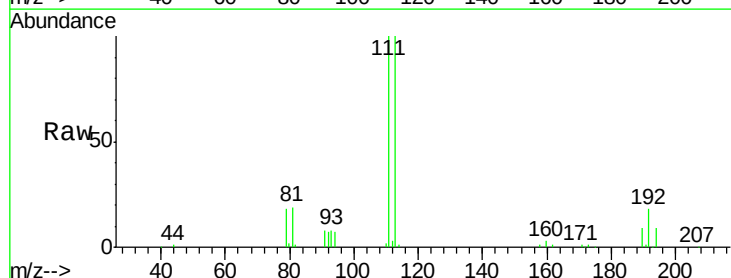
Tgt Ion:113 Resp: 120908

Ion Ratio Lower Upper

113 100

111 101.1 83.1 124.7

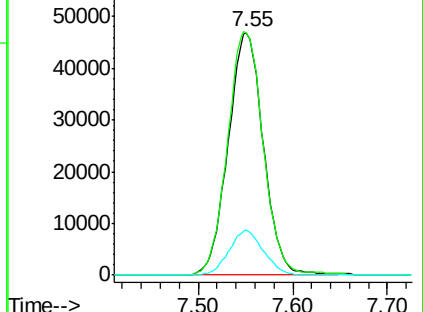
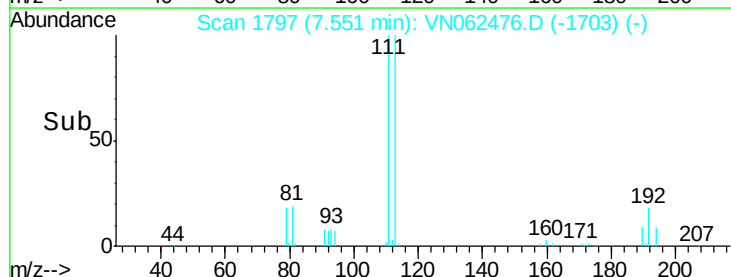
192 18.0 14.1 21.1

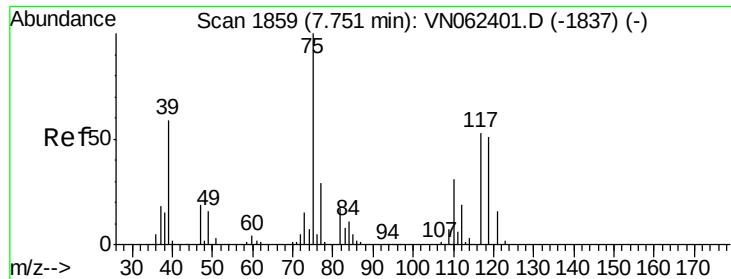


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

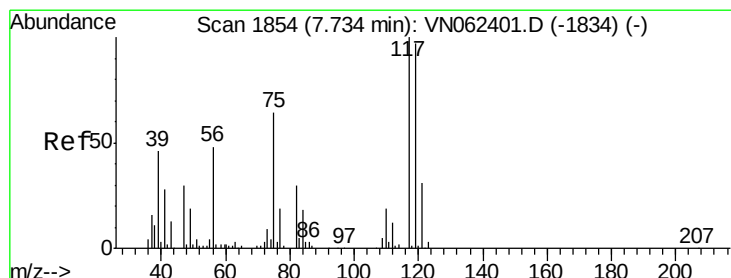
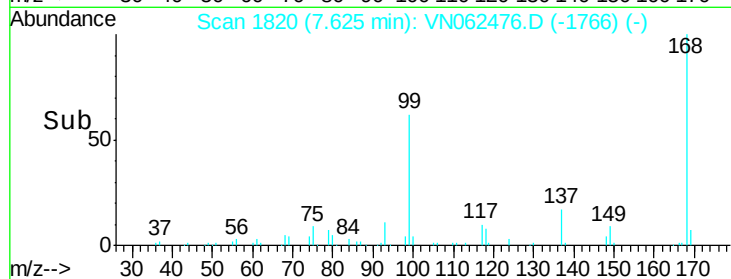
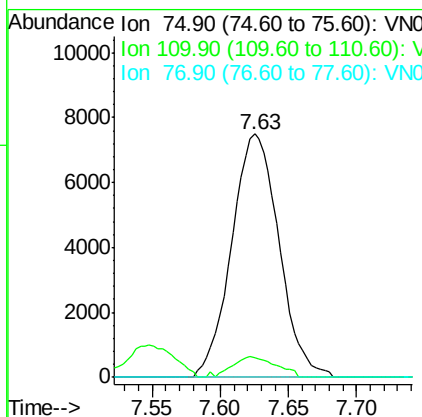
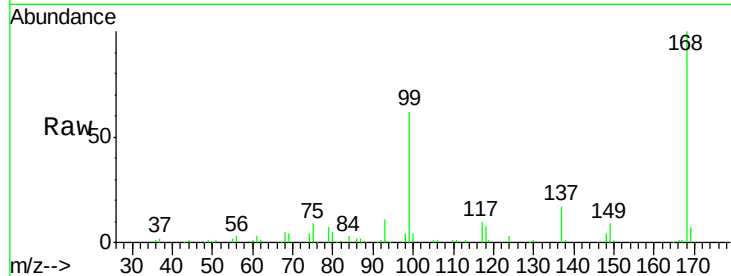




#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

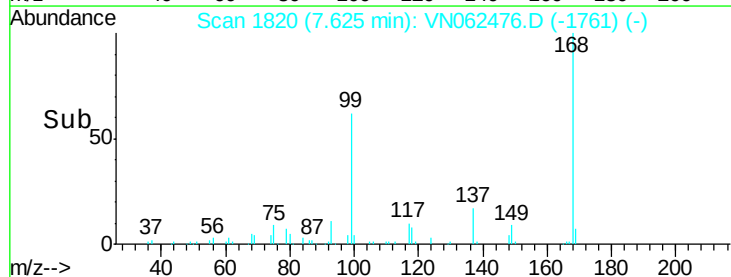
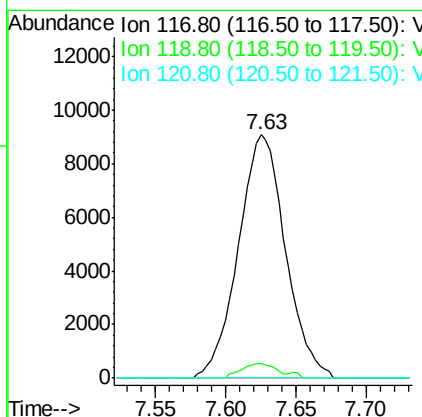
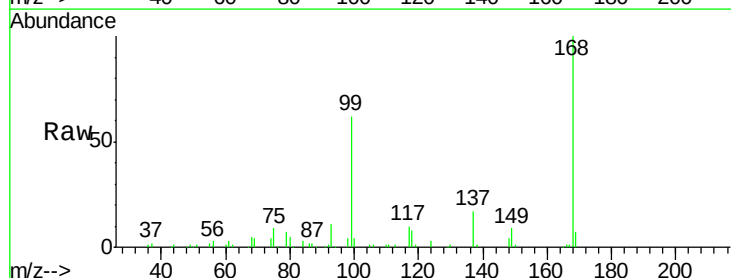
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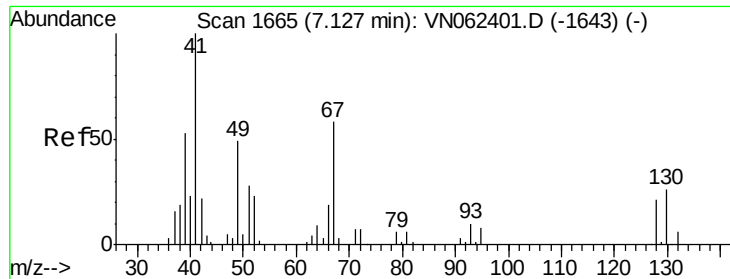
Tot Ion: 75 Resp: 18058
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.4 46.2#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 6.106 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

Tgt Ion: 117 Resp: 21164
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.2 115.8#
 121 0.0 24.8 37.2#

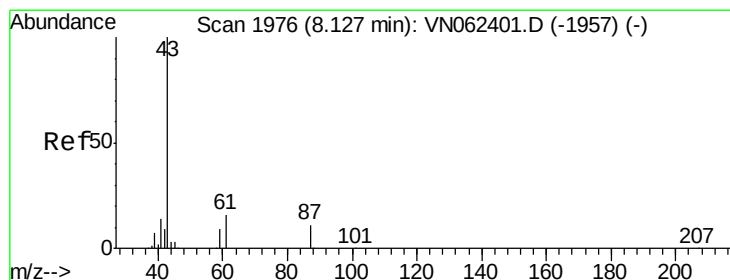
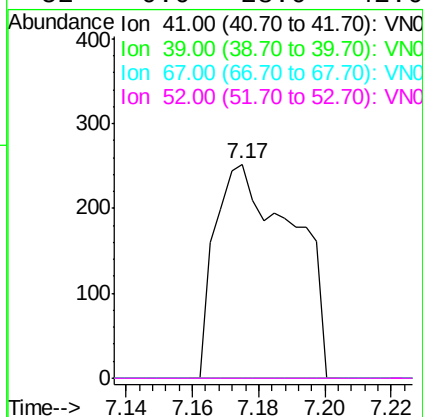
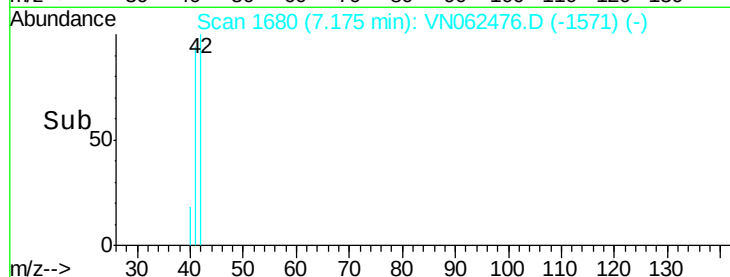
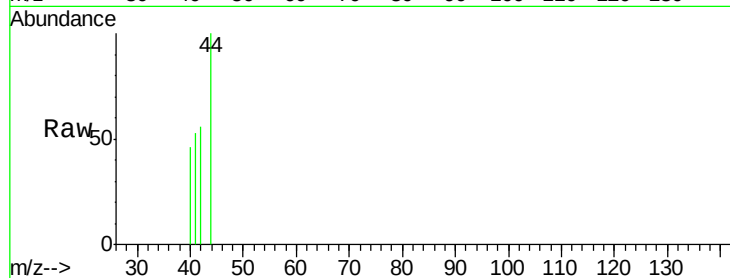




#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.05 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

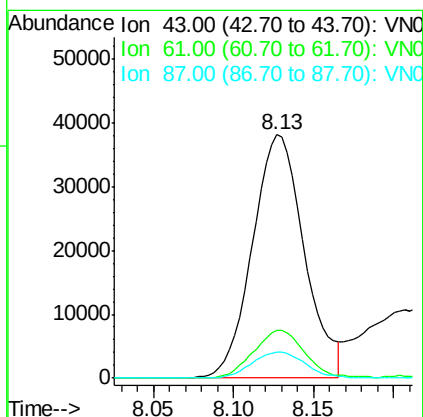
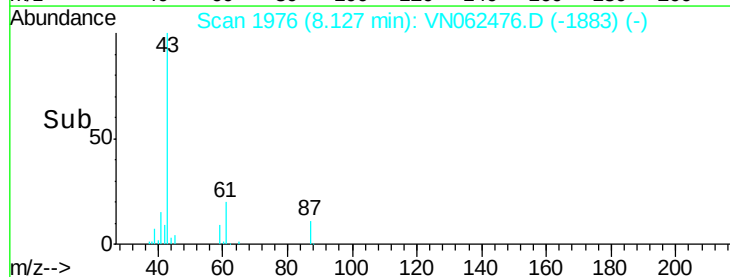
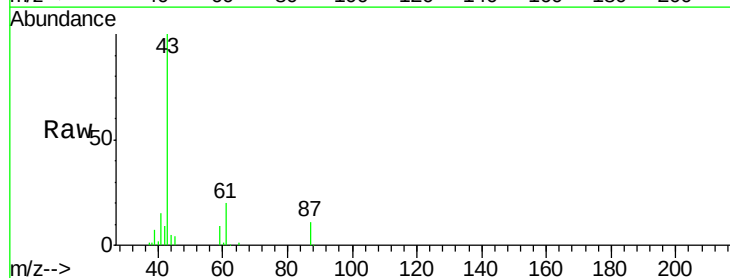
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#07

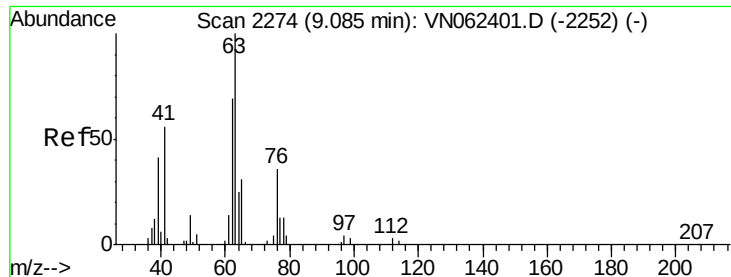
Tot Ion:	41	Resp:	415
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#



#43
Isopropyl Acetate
Concen: 11.972 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Tgt Ion:	43	Resp:	85263
Ion	Ratio	Lower	Upper
43	100		
61	19.5	19.3	28.9
87	10.8	8.6	13.0

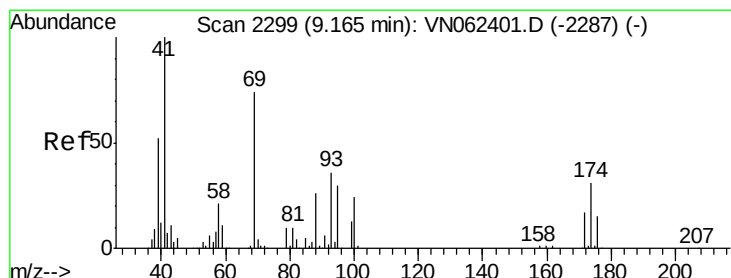
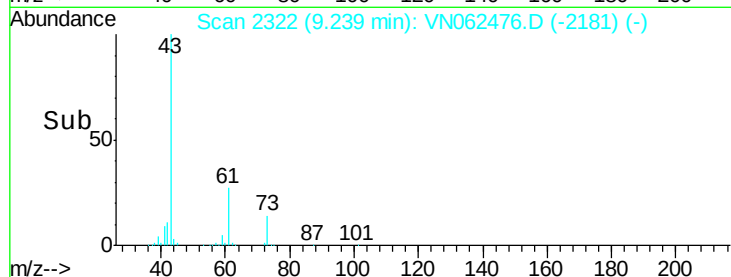
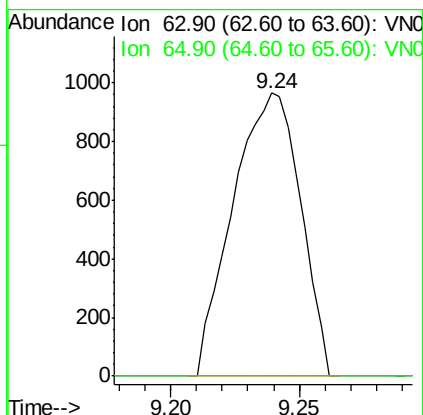
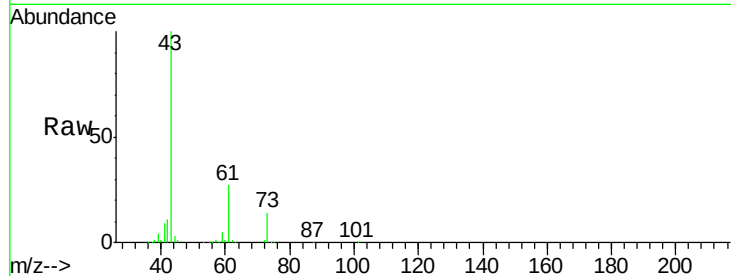




#45
 1,2-Dichloropropane
 Concen: 0.534 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

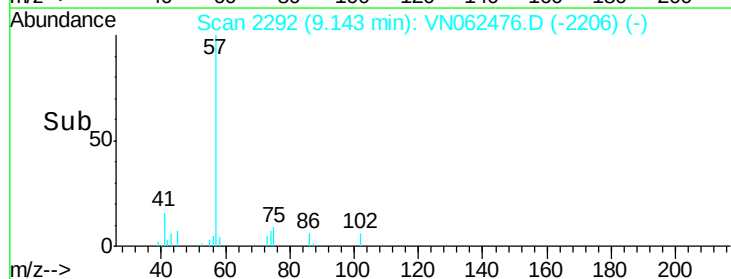
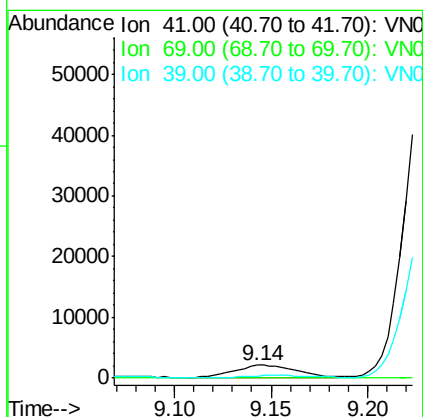
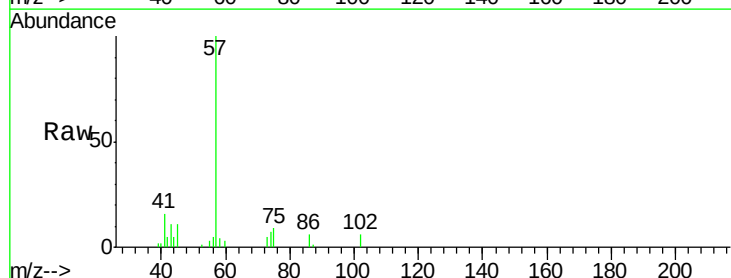
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#07

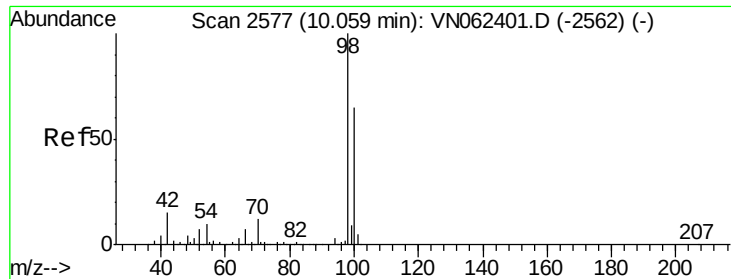
Tot Ion: 63 Resp: 1761
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 36.8#



#48
 Methyl methacrylate
 Concen: 1.400 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

Tgt Ion: 41 Resp: 4890
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.8 91.2#
 39 0.0 43.5 65.3#

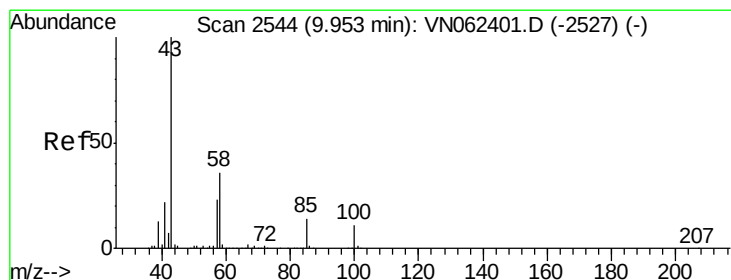
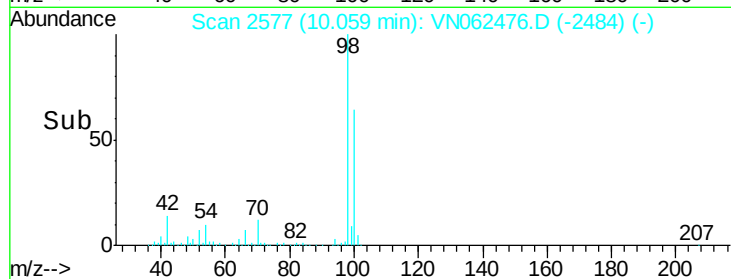
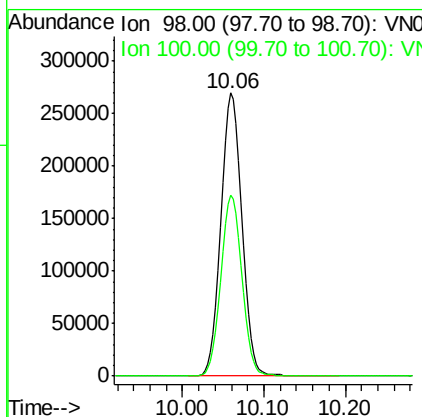
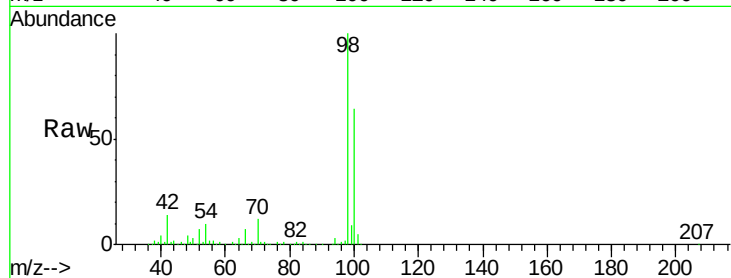




#50
Toluene-d8
Concen: 53.190 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

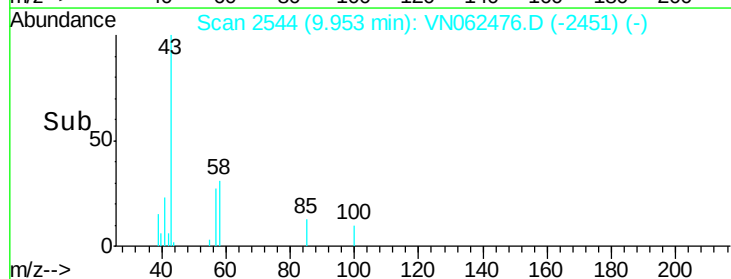
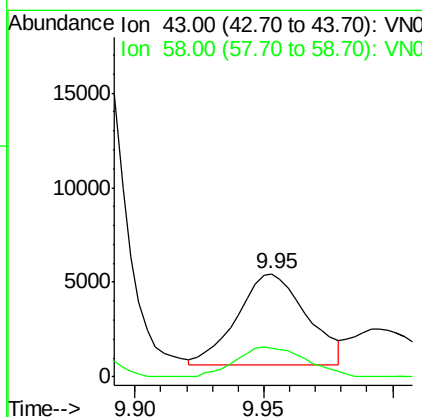
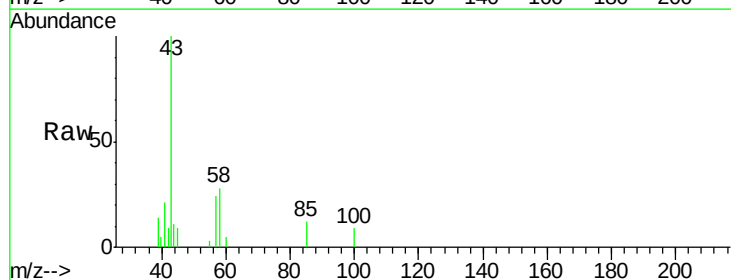
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#07

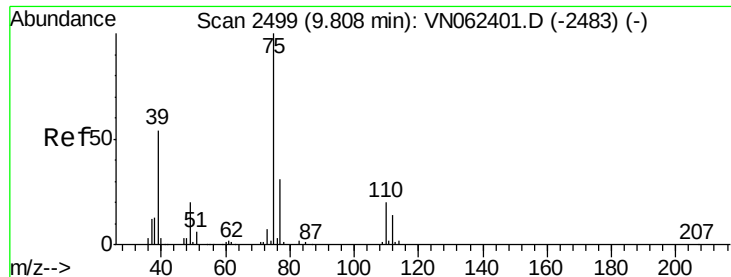
Tot Ion: 98 Resp: 496709
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.113 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Tgt Ion: 43 Resp: 8990
Ion Ratio Lower Upper
43 100
58 33.5 29.0 43.6





#54

cis-1,3-Dichloropropene

Concen: 6.918 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#07

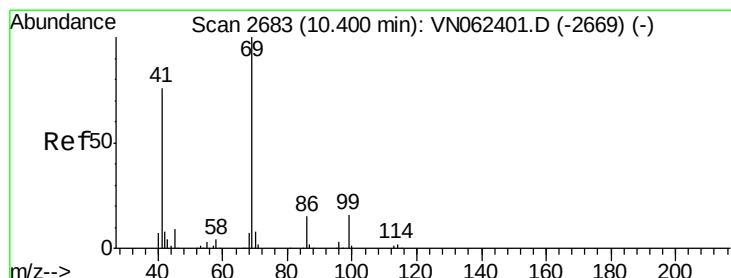
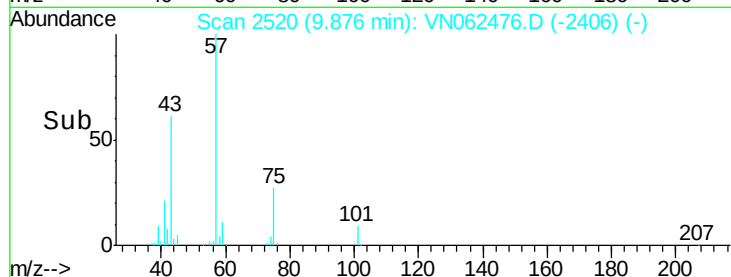
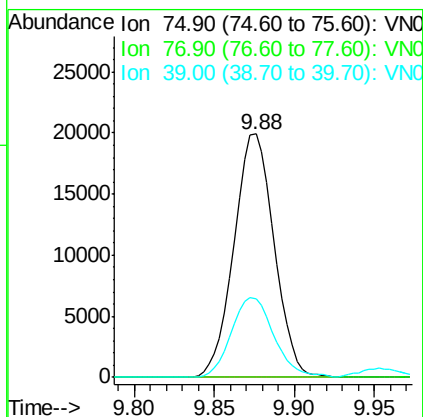
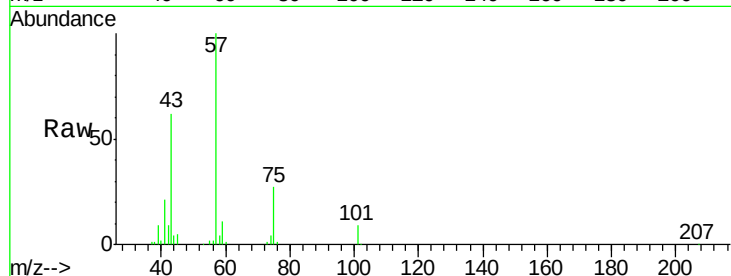
Tot Ion: 75 Resp: 34034

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

39 32.3 43.4 65.0#



#56

Ethyl methacrylate

Concen: 1.969 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

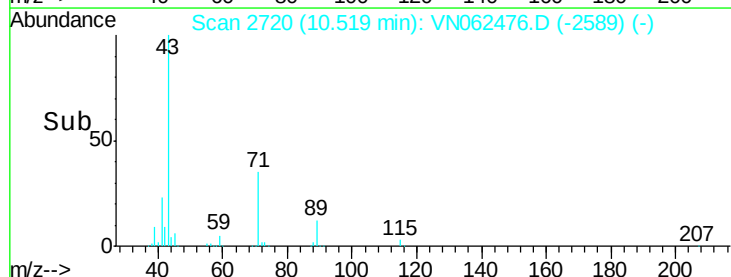
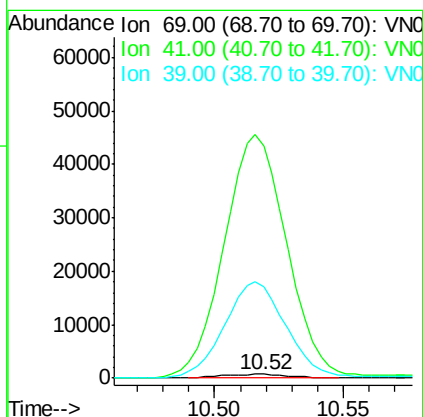
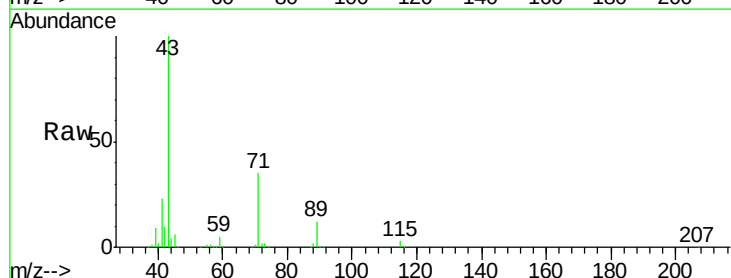
Tgt Ion: 69 Resp: 1265

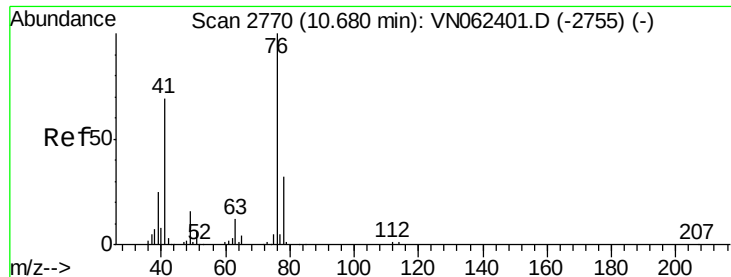
Ion Ratio Lower Upper

69 100

41 6162.1 59.7 89.5#

39 2395.1 30.6 45.8#





#57

1,3-Dichloropropane

Concen: 1.156 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

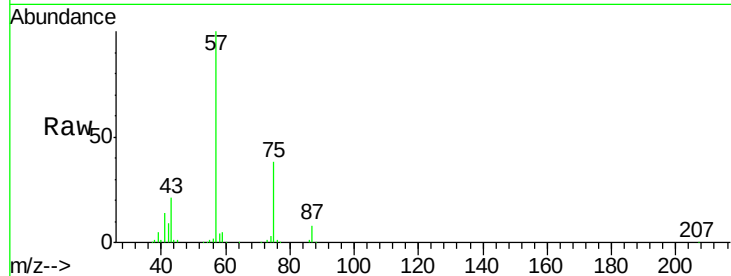
PB130035ZHE#07

Tot Ion: 76 Resp: 5511

Ion Ratio Lower Upper

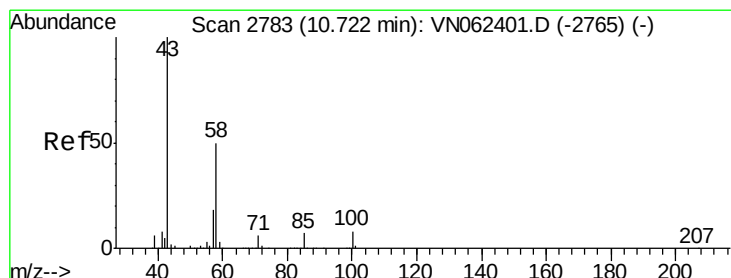
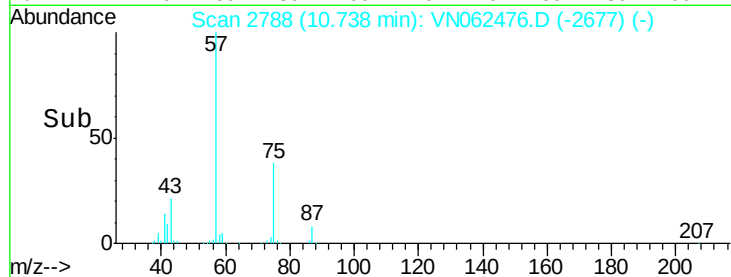
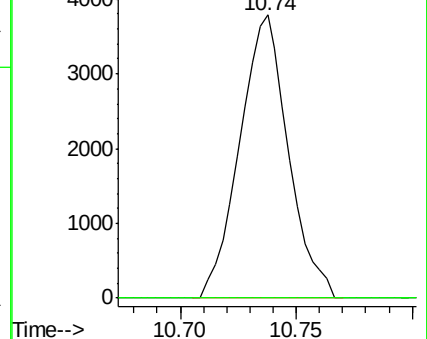
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 30.567 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062476.D

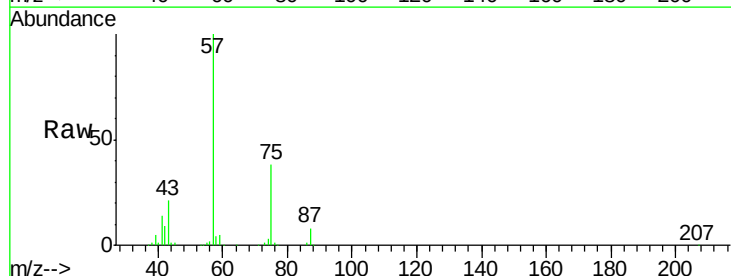
Acq: 9 Jul 2020 23:52

Tgt Ion: 43 Resp: 94396

Ion Ratio Lower Upper

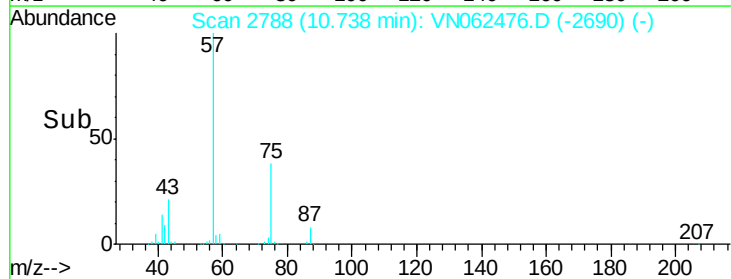
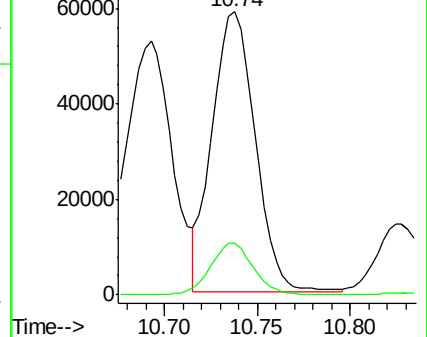
43 100

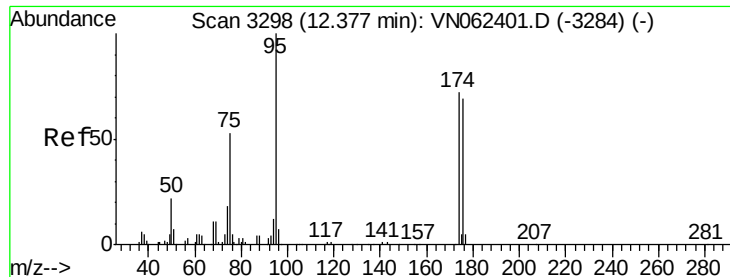
58 18.5 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.452 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#07

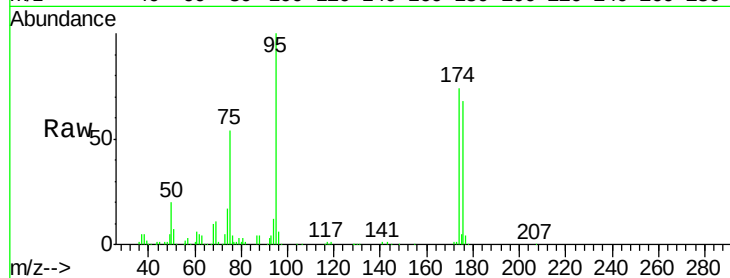
Tot Ion: 95 Resp: 182407

Ion Ratio Lower Upper

95 100

174 71.7 0.0 141.6

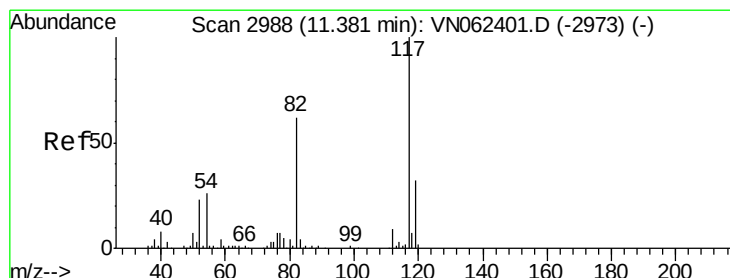
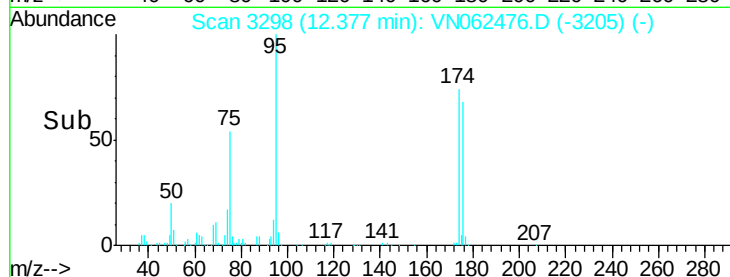
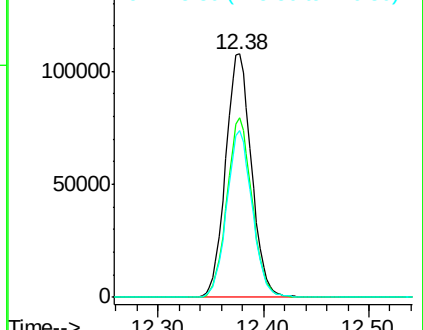
176 67.3 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

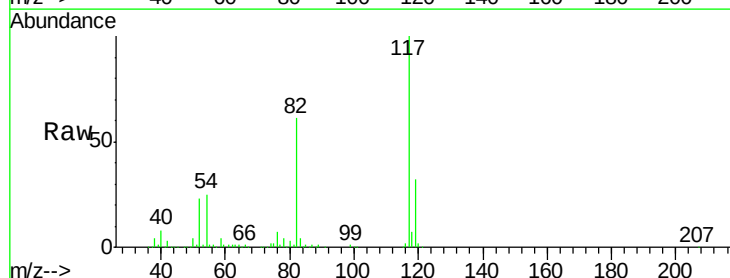
Tgt Ion: 117 Resp: 371066

Ion Ratio Lower Upper

117 100

82 60.8 49.6 74.4

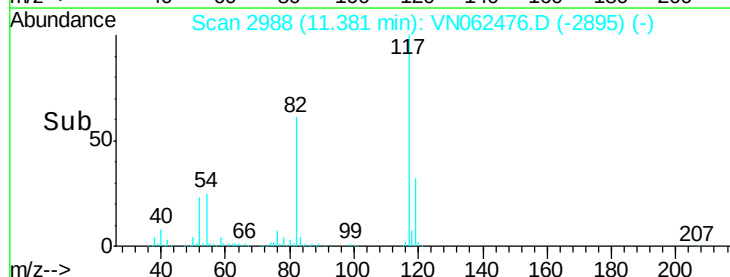
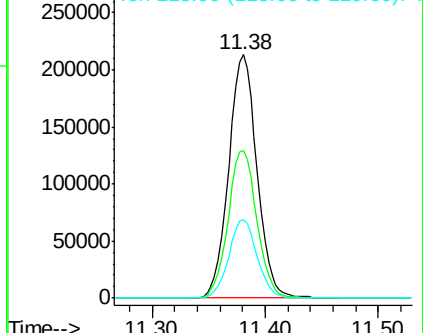
119 32.4 25.4 38.0

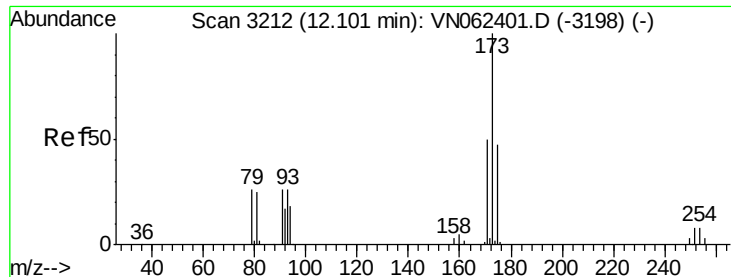


Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)

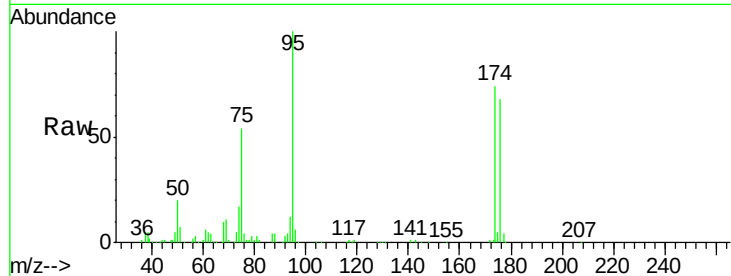




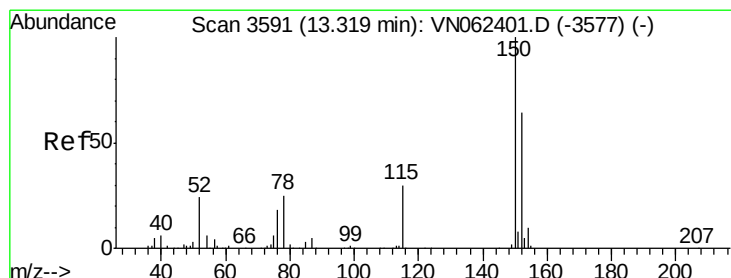
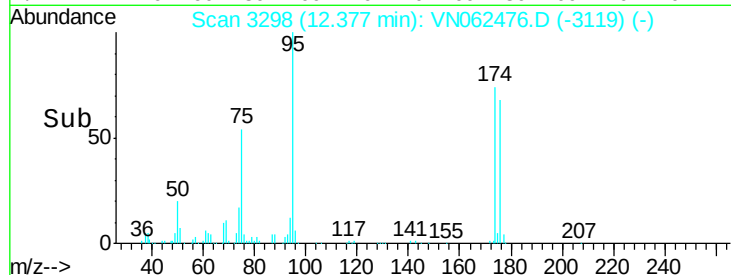
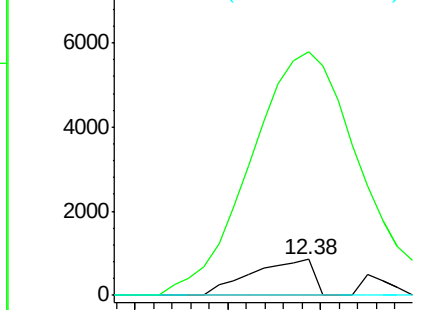
#71
Bromoform
Concen: 0.400 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#07

Tot Ion:173 Resp: 780
Ion Ratio Lower Upper
173 100
175 1037.9 23.7 71.1#
254 0.0 0.0 0.0

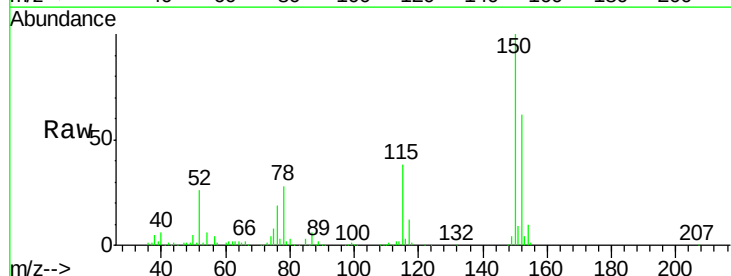


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

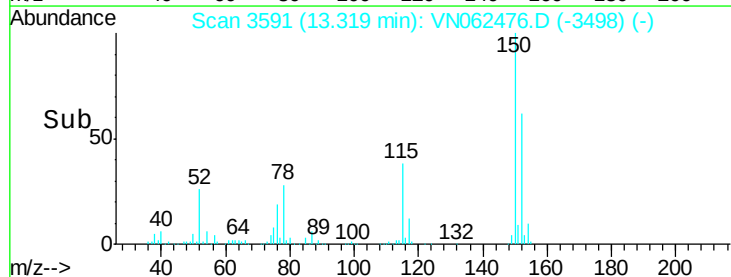
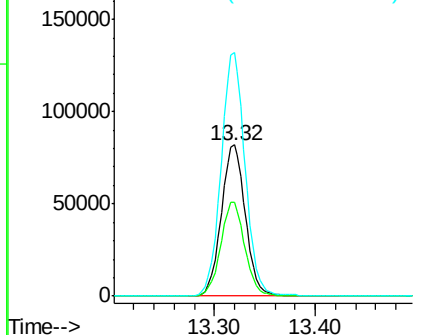


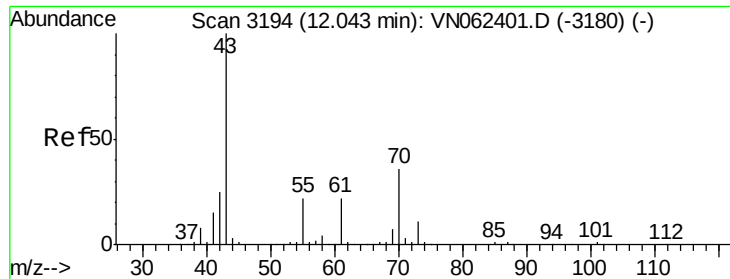
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062476.D
Acq: 9 Jul 2020 23:52

Tgt Ion:152 Resp: 137065
Ion Ratio Lower Upper
152 100
115 61.9 31.4 94.2
150 160.3 0.0 347.4



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-amyl acetate

Concen: 0.895 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062476.D

Acq: 9 Jul 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#07

Tot Ion: 43 Resp: 4622

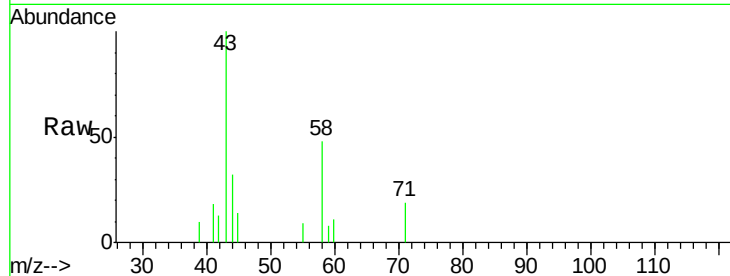
Ion Ratio Lower Upper

43 100

70 0.0 30.0 45.0#

55 2.9 18.2 27.4#

61 0.0 17.7 26.5#

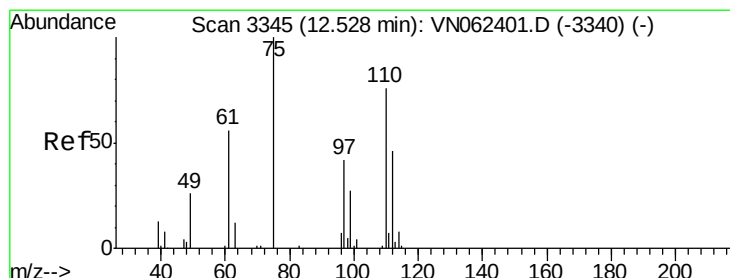
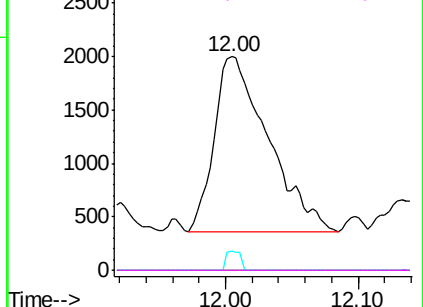
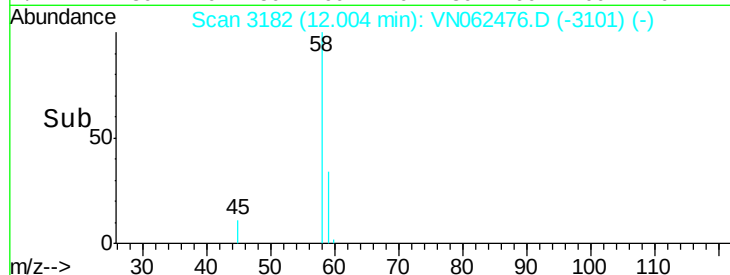


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.468 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062476.D

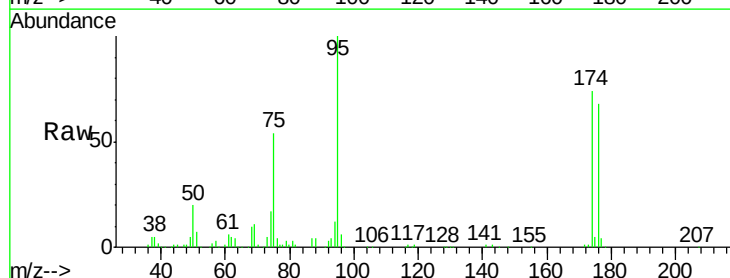
Acq: 9 Jul 2020 23:52

Tgt Ion: 75 Resp: 95742

Ion Ratio Lower Upper

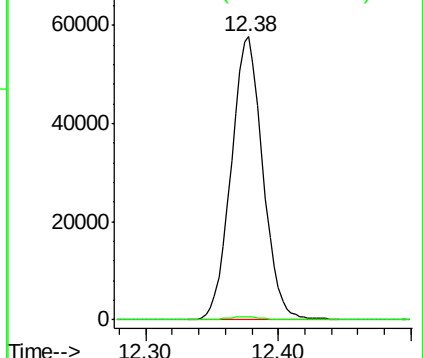
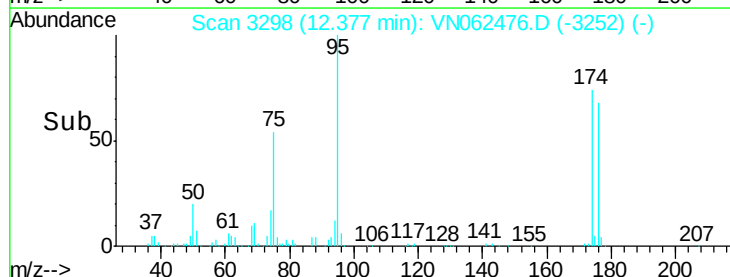
75 100

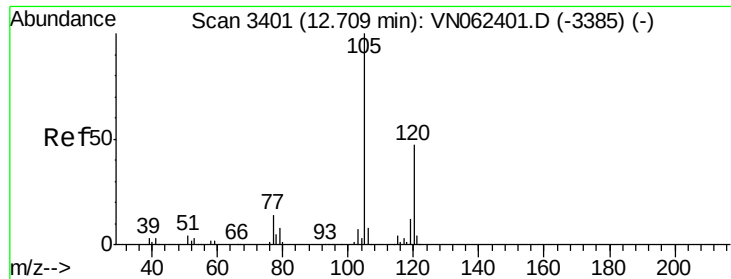
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

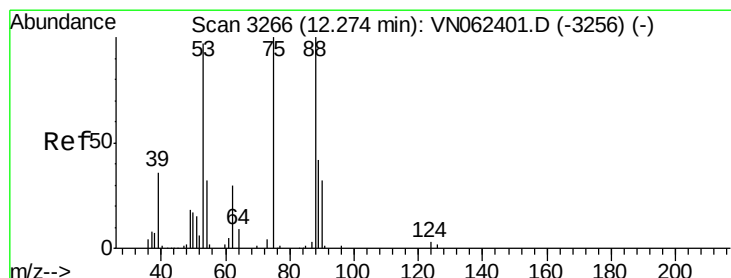
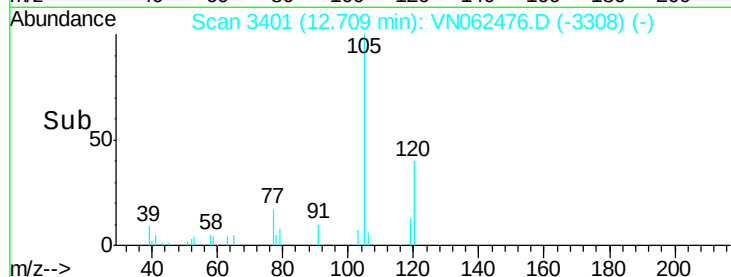
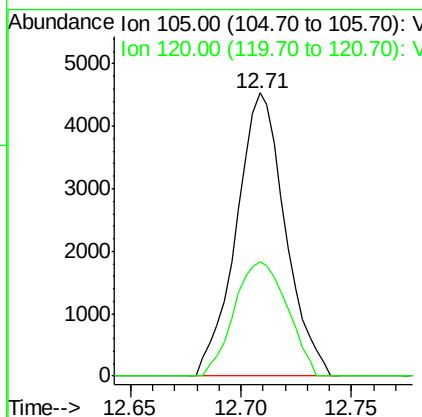
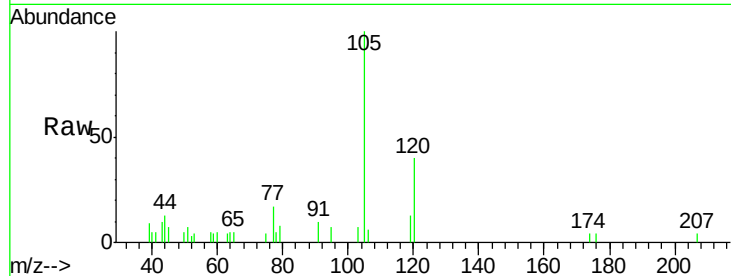




#80
 1,3,5-Trimethylbenzene
 Concen: 0.802 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

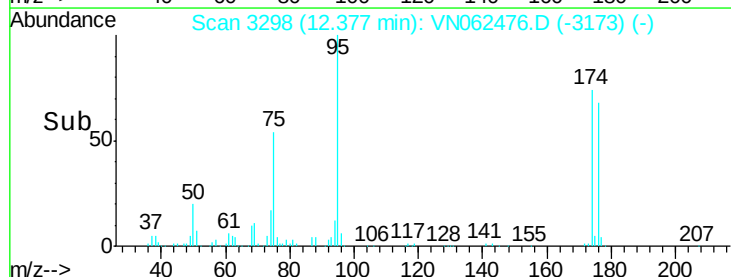
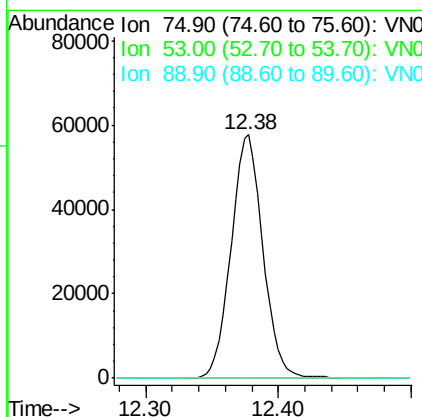
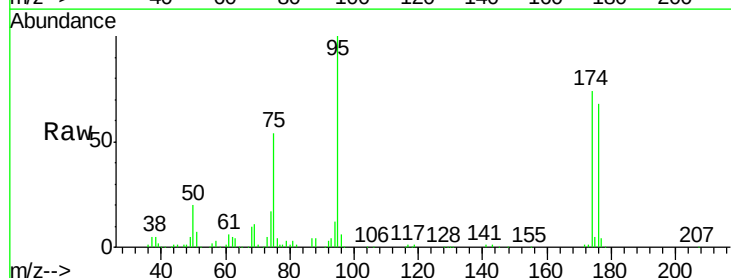
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#07

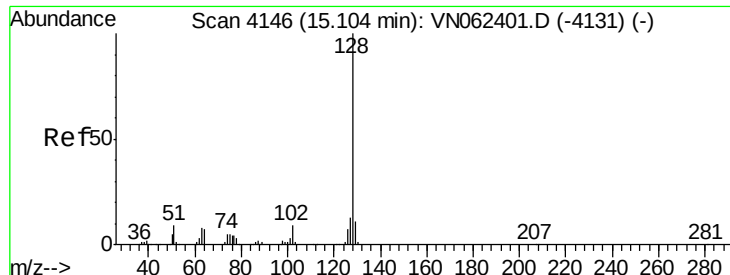
Tot Ion:105 Resp: 6975
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.198 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

Tgt Ion: 75 Resp: 95742
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 34.6 52.0#





#95
 Naphthalene
 Concen: Below Cal
 RT: 15.11 min Scan# 4148
 Delta R.T. 0.01 min
 Lab File: VN062476.D
 Acq: 9 Jul 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#07

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#

