

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062711.D
 Acq On : 1 Aug 2020 2:23
 Operator : JC/MD
 Sample : L3518-41
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Aug 01 06:13:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90958	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	123218	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
35) Dibromofluoromethane	7.55	113	87400	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.06	98	334294	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	121847	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

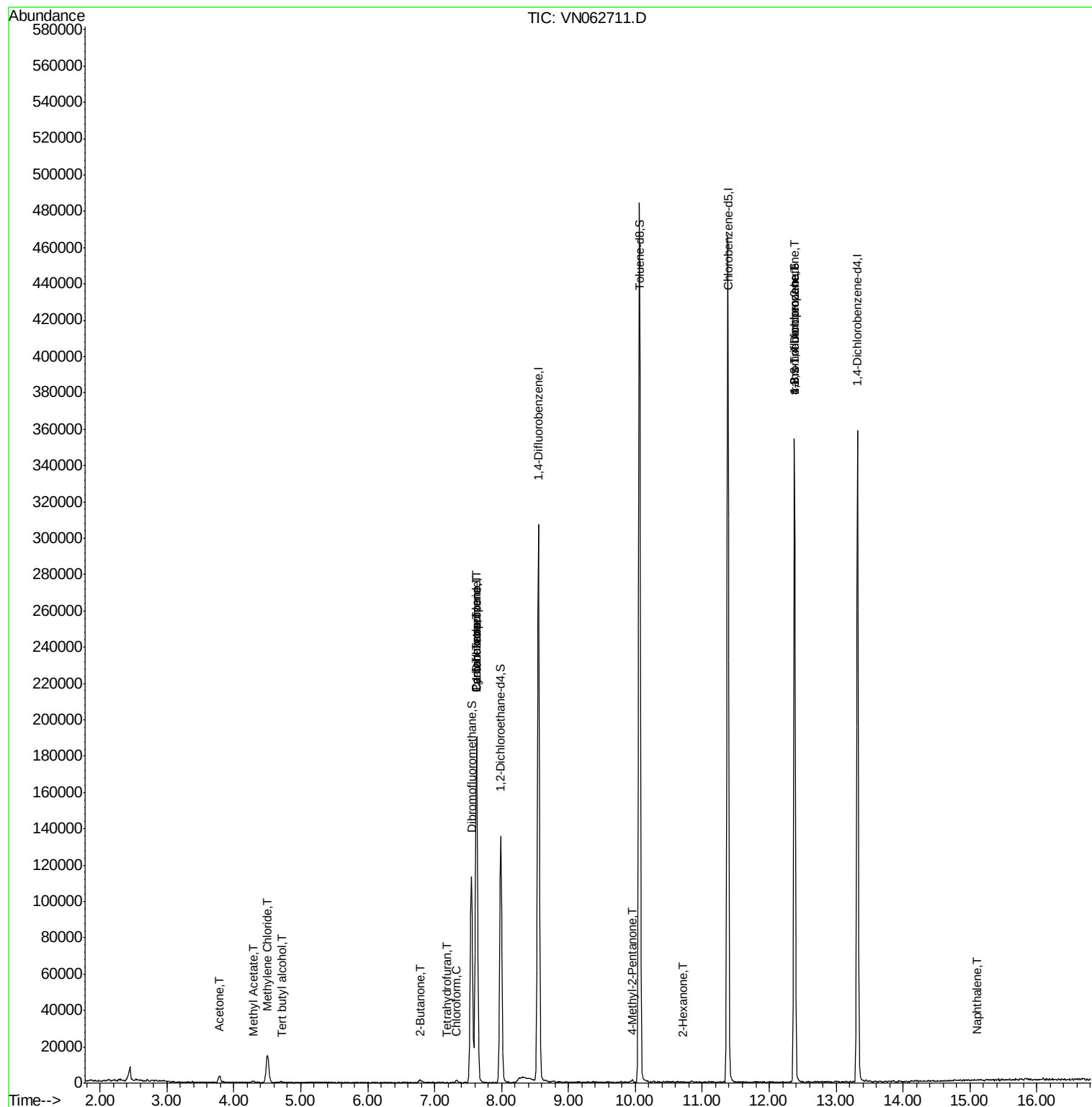
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	146	0.411	ug/l #	73
16) Acetone	3.78	43	5919	7.041	ug/l	100
18) Methyl Acetate	4.29	43	2076	0.976	ug/l #	56
20) Methylene Chloride	4.50	84	10946	5.429	ug/l	95
25) 2-Butanone	6.80	43	586	0.458	ug/l #	52
29) Tetrahydrofuran	7.18	42	235	0.271	ug/l #	59
30) Chloroform	7.32	83	990	0.292	ug/l	99
31) Cyclohexane	7.63	56	3466	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	13061	4.747	ug/l #	50
38) Carbon Tetrachloride	7.63	117	16261	6.148	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	1498	0.524	ug/l #	62
59) 2-Hexanone	10.72	43	429	3.151	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	68516	29.594	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68516	82.383	ug/l #	12
95) Naphthalene	15.11	128	371	3.846	ug/l #	69

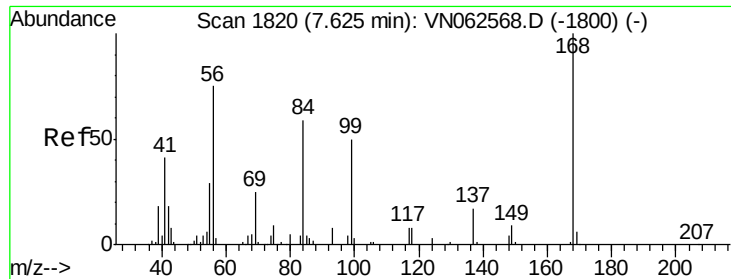
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062711.D

Acq: 1 Aug 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

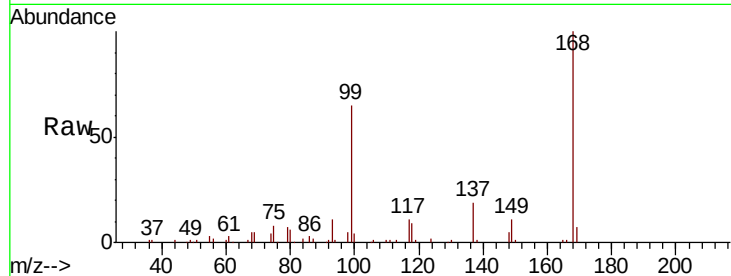
TP-12

Tot Ion:168 Resp: 143799

Ion Ratio Lower Upper

168 100

99 64.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

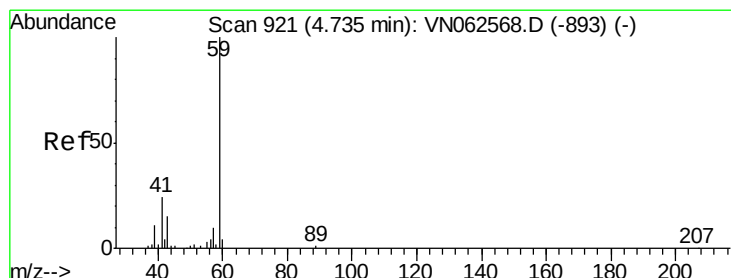
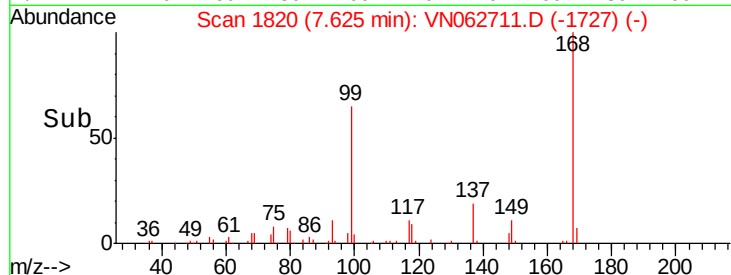
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.411 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN062711.D

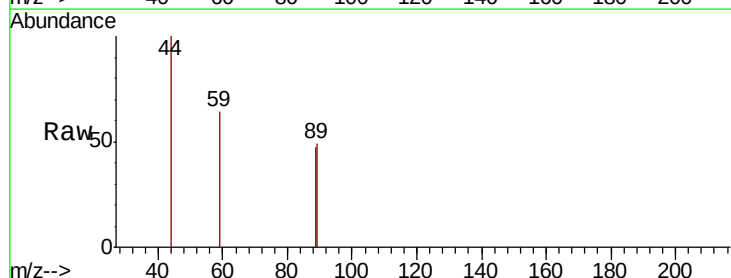
Acq: 1 Aug 2020 2:23

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

250

200

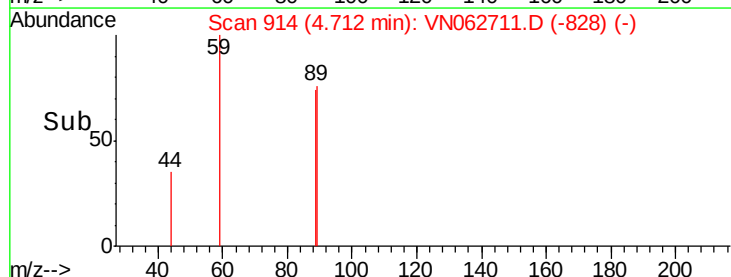
150

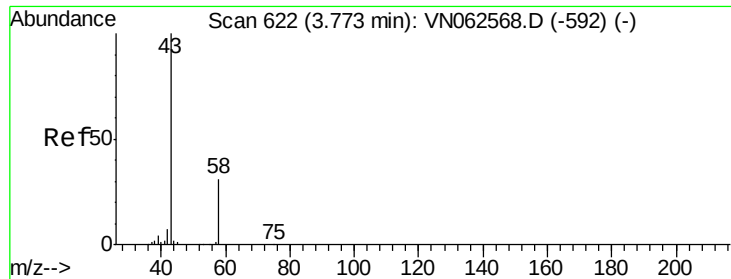
100

50

0

Time--> 4.70 4.71 4.72 4.73





#16

Acetone

Concen: 7.041 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062711.D

Acq: 1 Aug 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

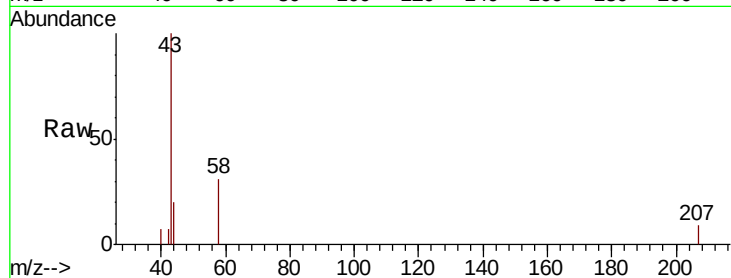
TP-12

Tot Ion: 43 Resp: 5919

Ion Ratio Lower Upper

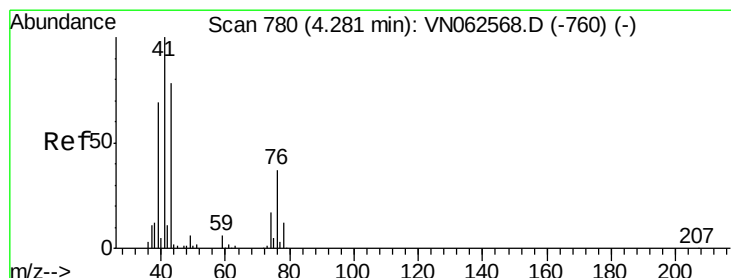
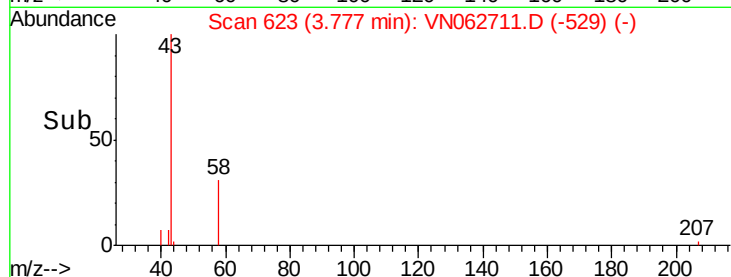
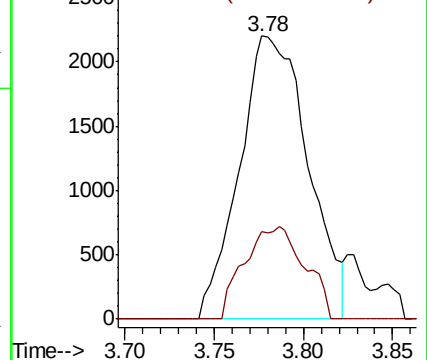
43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.976 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062711.D

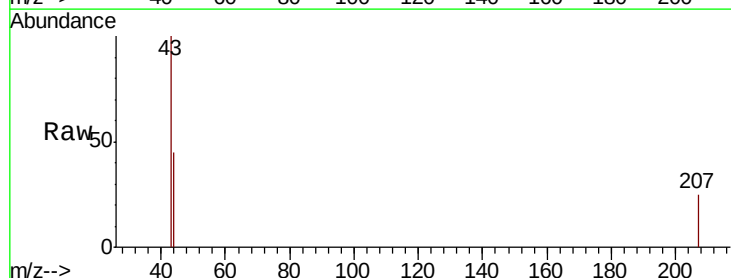
Acq: 1 Aug 2020 2:23

Tgt Ion: 43 Resp: 2076

Ion Ratio Lower Upper

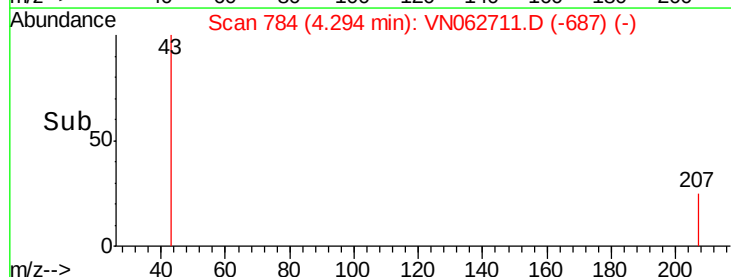
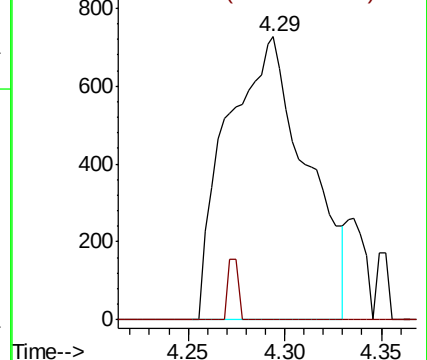
43 100

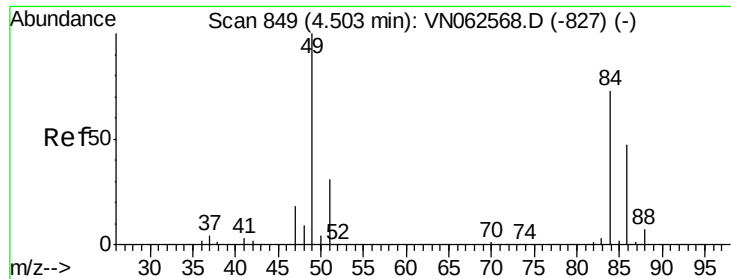
74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

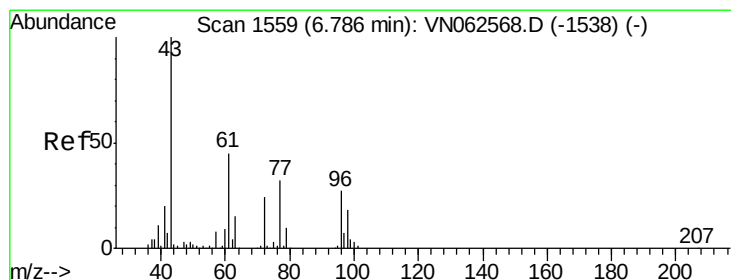
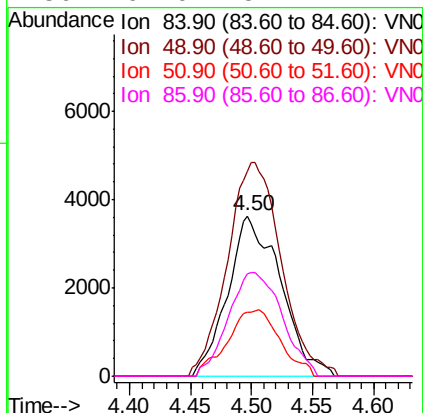
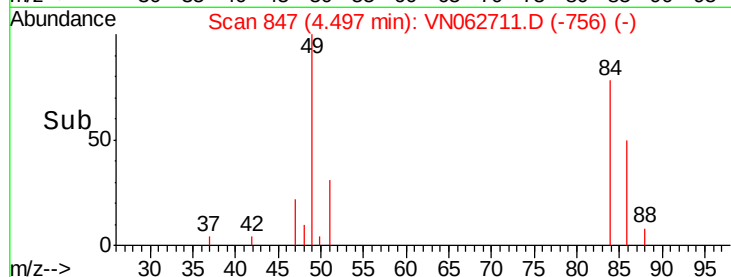
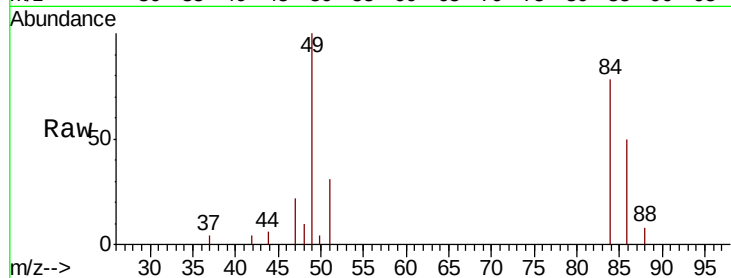




#20
Methvlene Chloride
Concen: 5.429 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

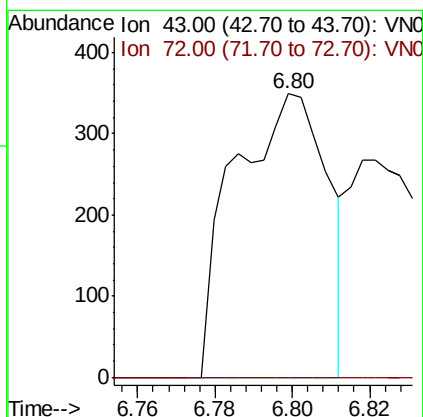
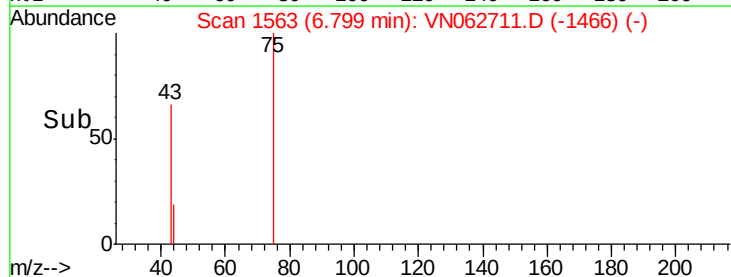
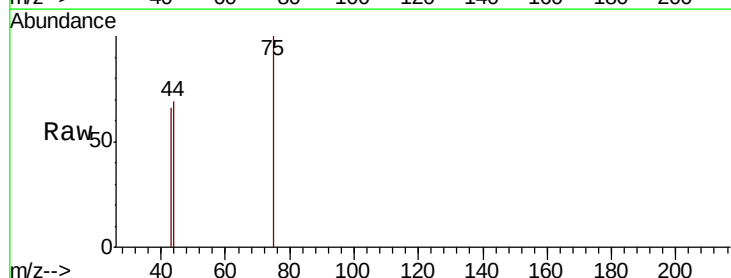
Instrument :
MSVOA_N
ClientSampled :
TP-12

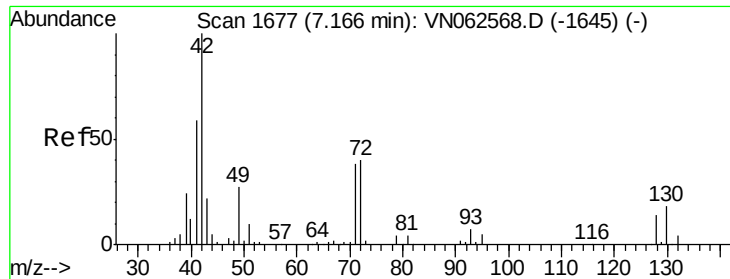
Tot Ion:	84	Resp:	10946
Ion	Ratio	Lower	Upper
84	100		
49	127.7	109.4	164.0
51	40.1	33.6	50.4
86	64.0	51.4	77.2



#25
2-Butanone
Concen: 0.458 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion:	43	Resp:	586
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#





#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062711.D

Acq: 1 Aug 2020 2:23

Instrument :

MSVOA_N

ClientSampled :

TP-12

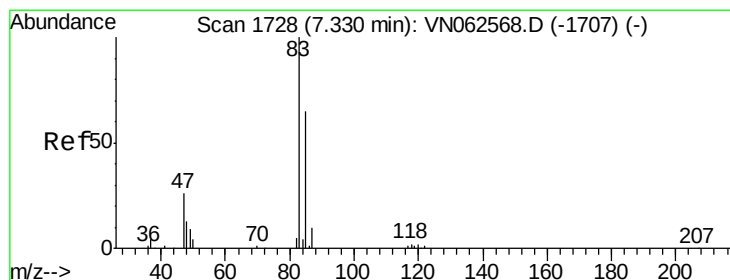
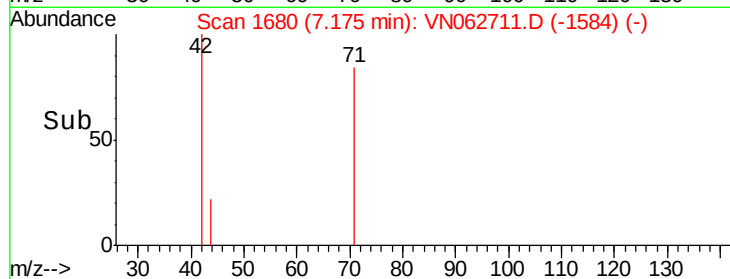
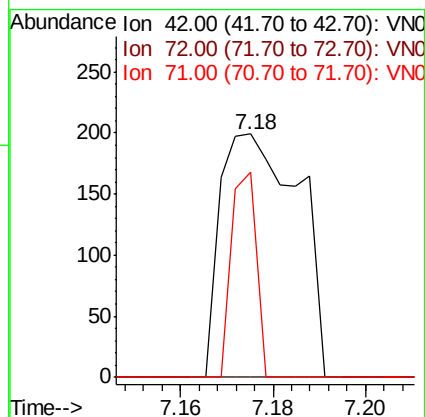
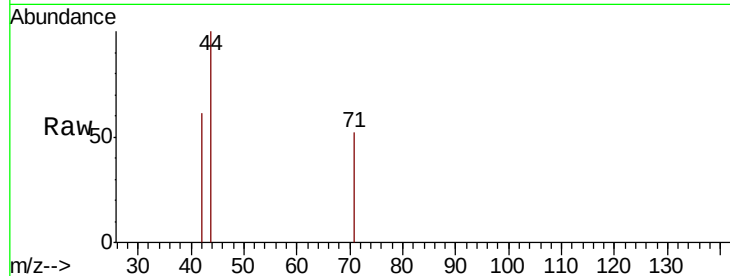
Tot Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 26.4 29.1 43.7#



#30

Chloroform

Concen: 0.292 ug/l

RT: 7.32 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VN062711.D

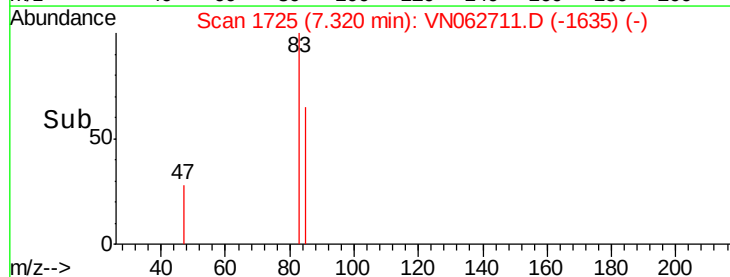
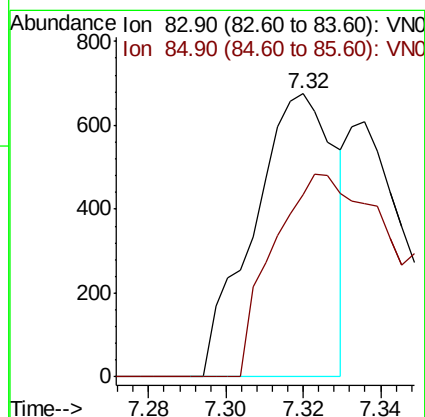
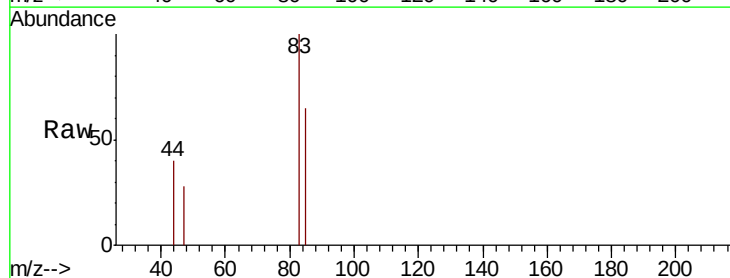
Acq: 1 Aug 2020 2:23

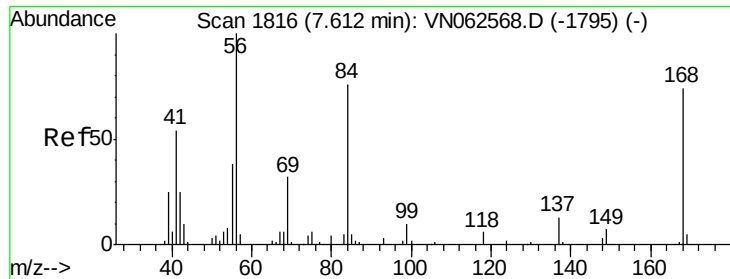
Tgt Ion: 83 Resp: 990

Ion Ratio Lower Upper

83 100

85 64.6 52.0 78.0

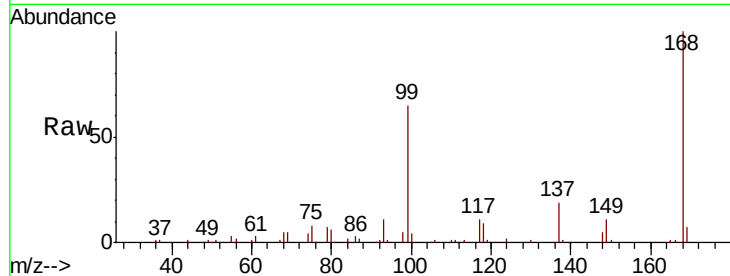




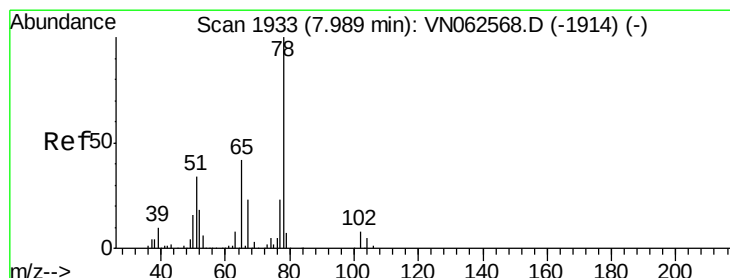
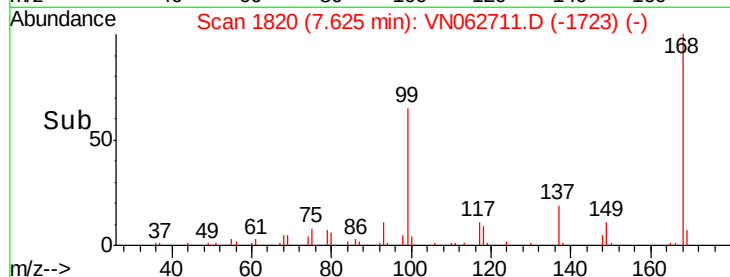
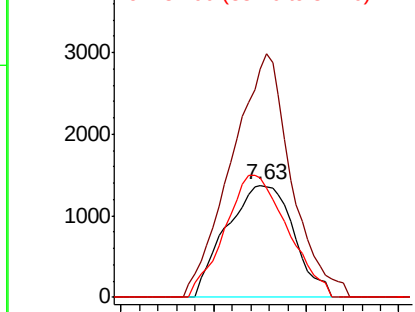
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Instrument :
MSVOA_N
ClientSampled :
TP-12

Tot Ion: 56 Resp: 3466
Ion Ratio Lower Upper
56 100
69 191.1 25.3 37.9#
84 106.1 61.0 91.4#

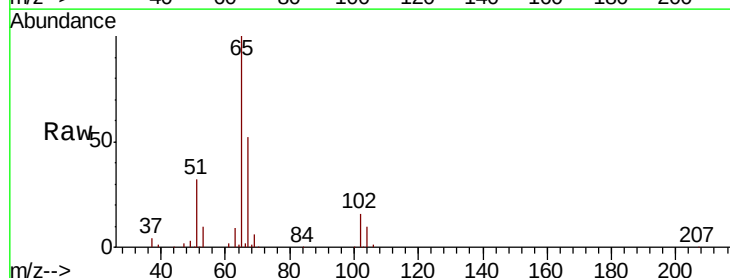


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

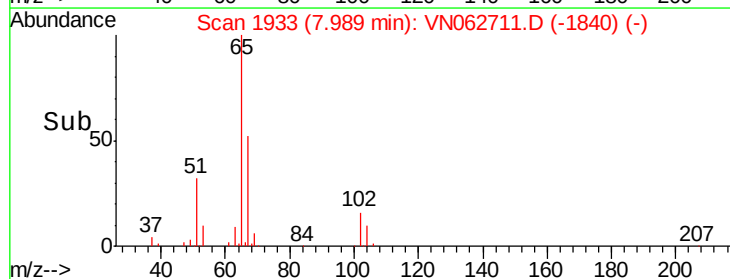
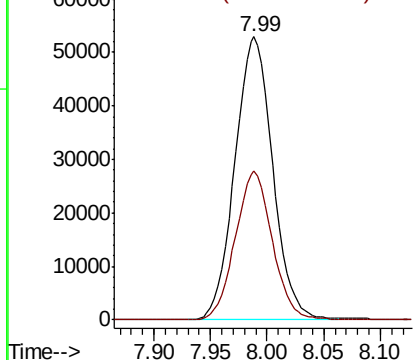


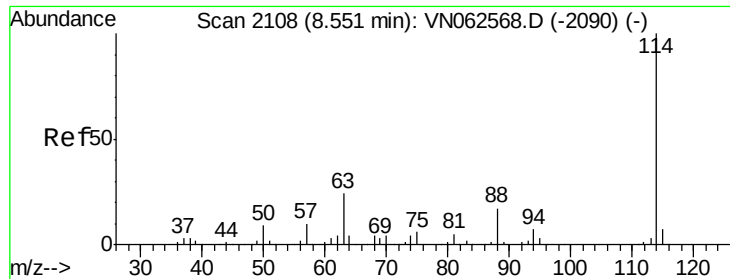
#33
1,2-Dichloroethane-d4
Concen: 55.160 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion: 65 Resp: 123218
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.0



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

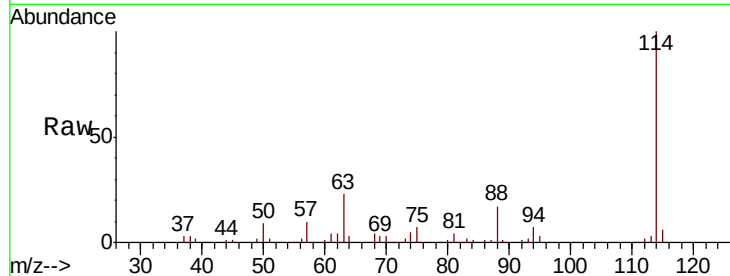




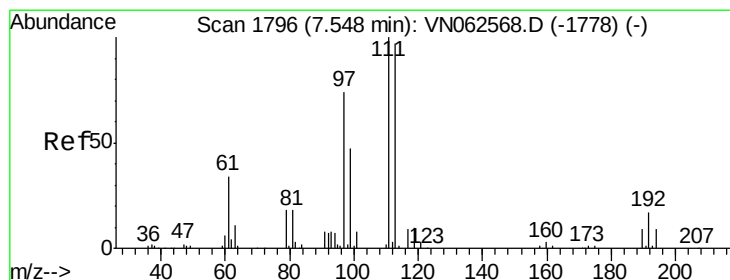
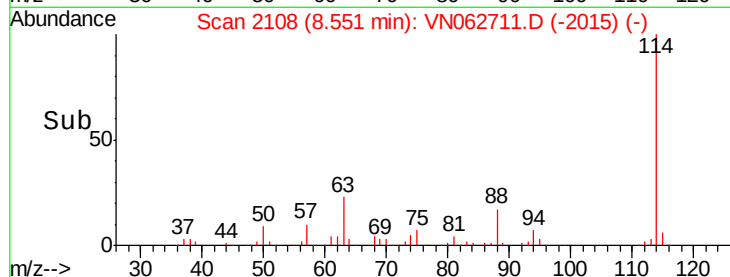
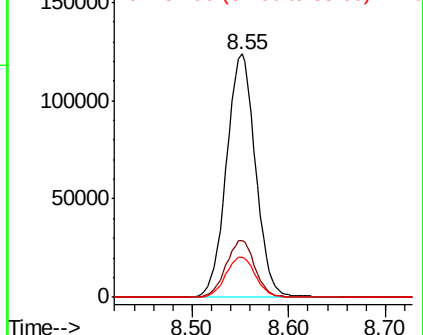
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Instrument :
MSVOA_N
ClientSampleId :
TP-12

Tot Ion:114 Resp: 258158
Ion Ratio Lower Upper
114 100
63 23.4 0.0 48.4
88 16.7 0.0 33.8

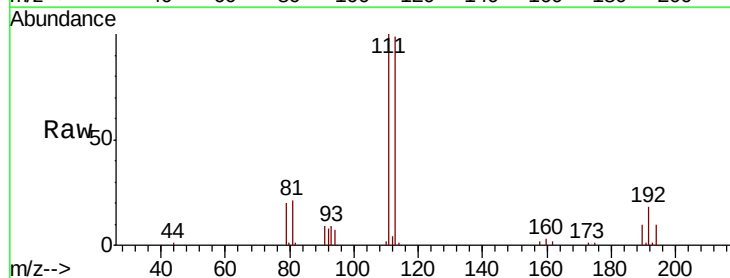


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

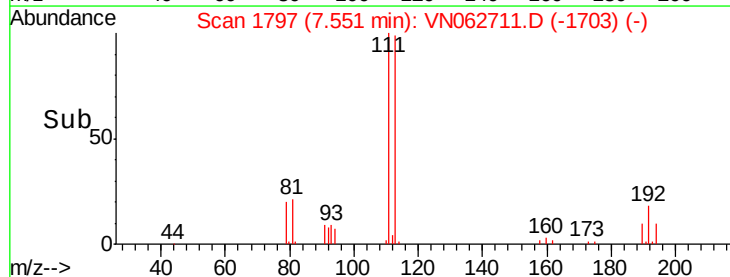
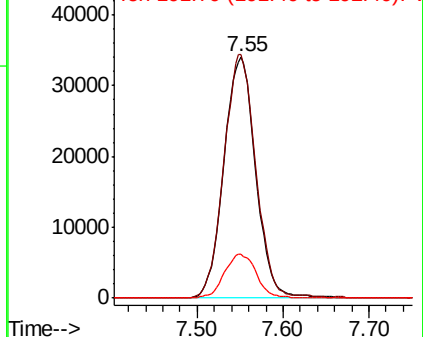


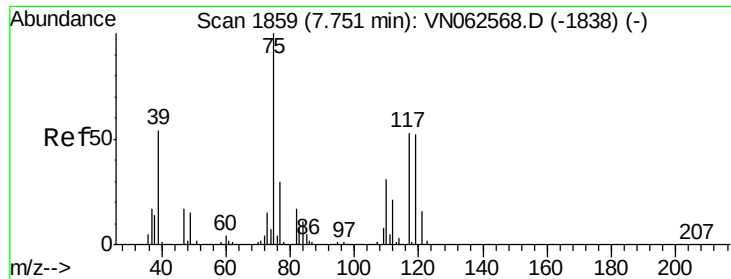
#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion:113 Resp: 87400
Ion Ratio Lower Upper
113 100
111 101.1 82.7 124.1
192 18.3 14.8 22.2



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

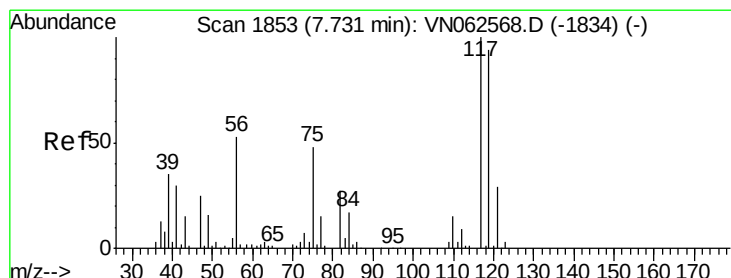
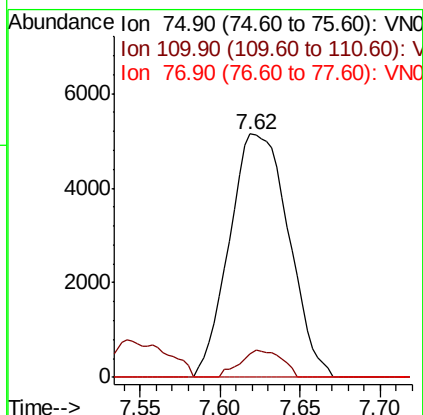
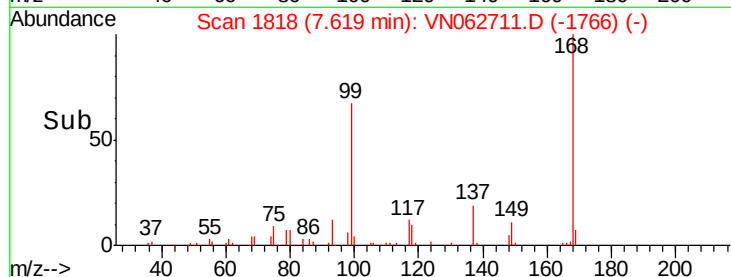
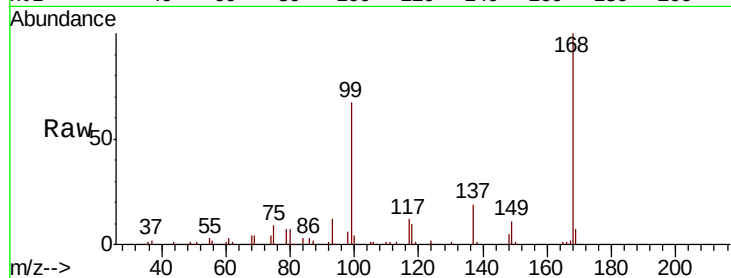




#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062711.D
 Acq: 1 Aug 2020 2:23

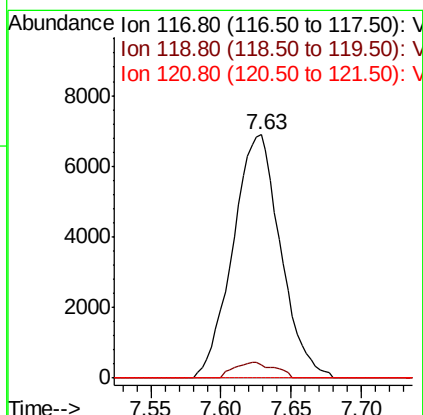
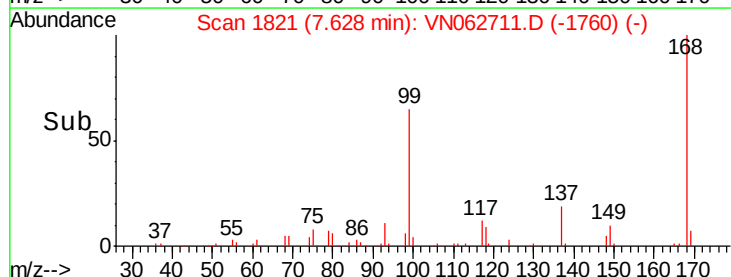
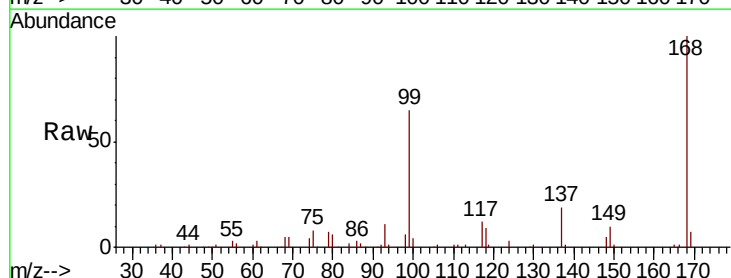
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

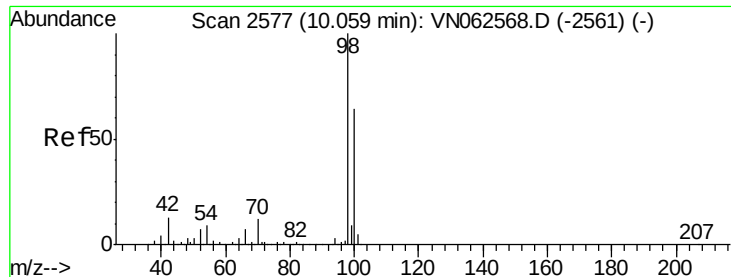
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.148 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062711.D
 Acq: 1 Aug 2020 2:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.8	112.2#
121	0.0	23.0	34.6#

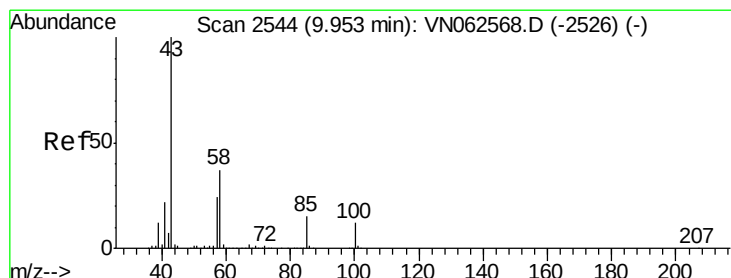
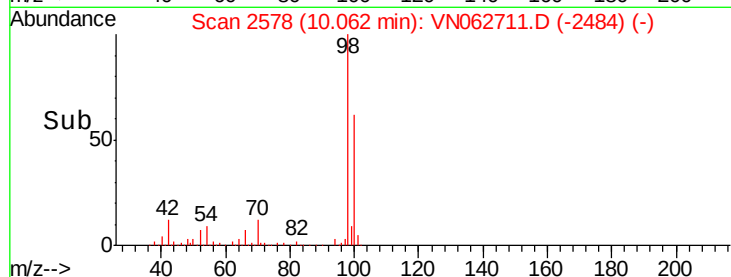
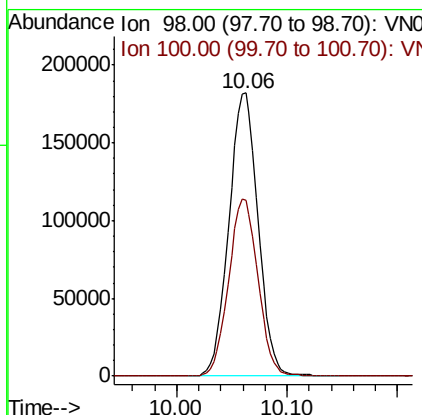
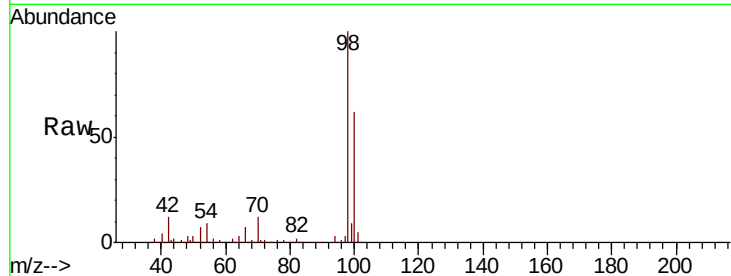




#50
Toluene-d8
Concen: 49.409 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

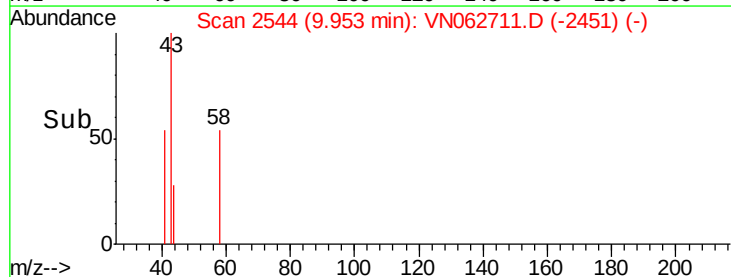
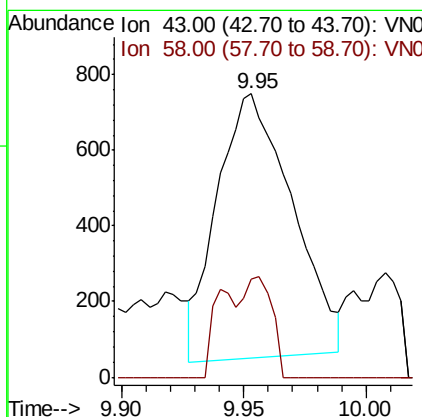
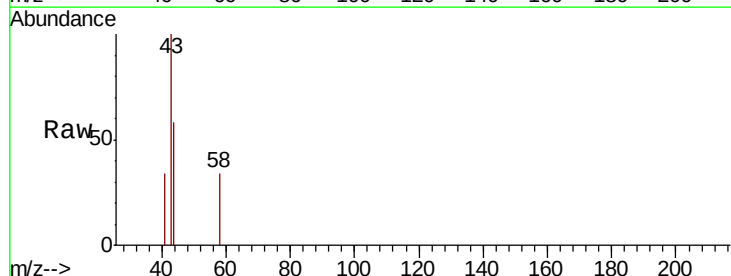
Instrument :
MSVOA_N
ClientSampled :
TP-12

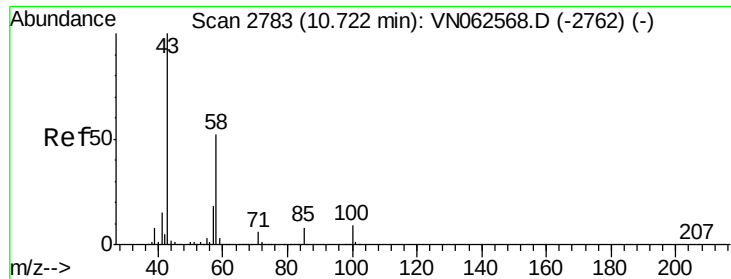
Tot Ion: 98 Resp: 334294
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.524 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 14.3 29.8 44.6#

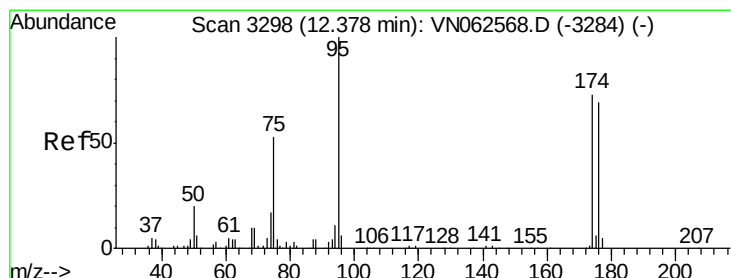
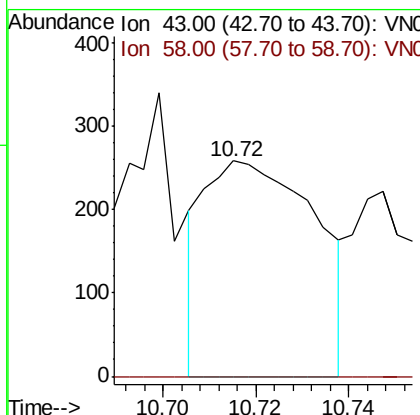
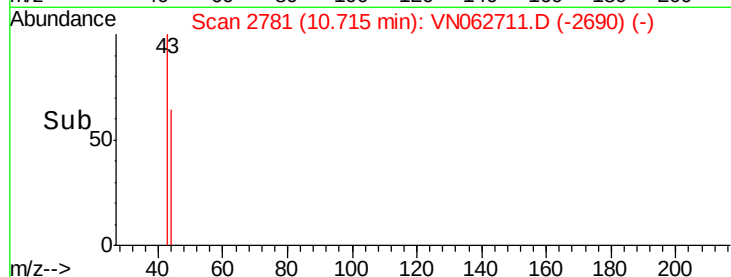
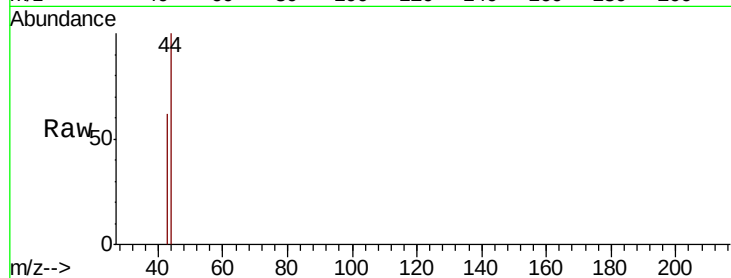




#59
2-Hexanone
Concen: 3.151 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.01 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

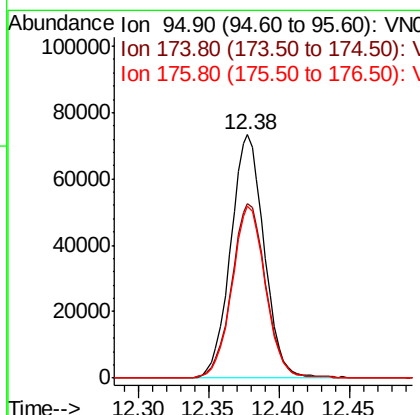
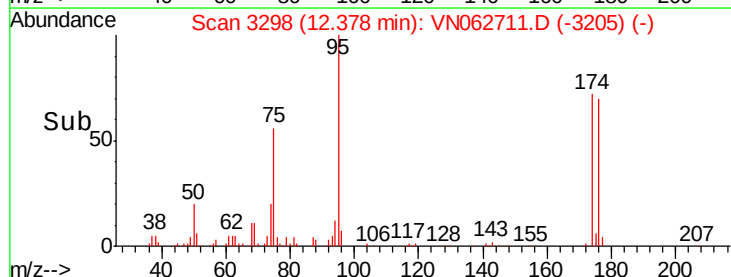
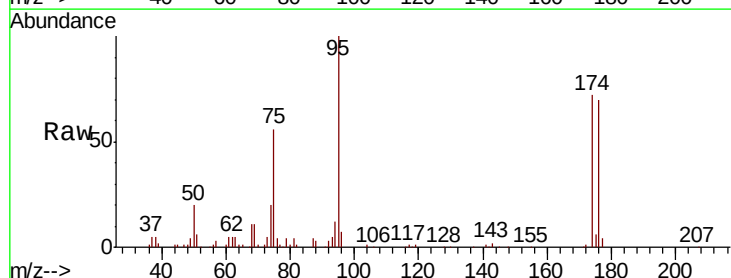
Instrument :
MSVOA_N
ClientSampleId :
TP-12

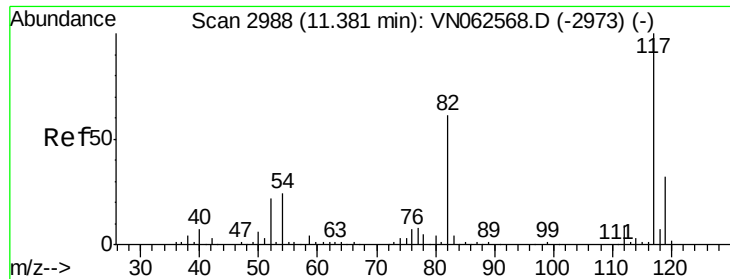
Tot Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
58 0.0 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 49.253 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion: 95 Resp: 121847
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.6
176 70.6 0.0 139.4

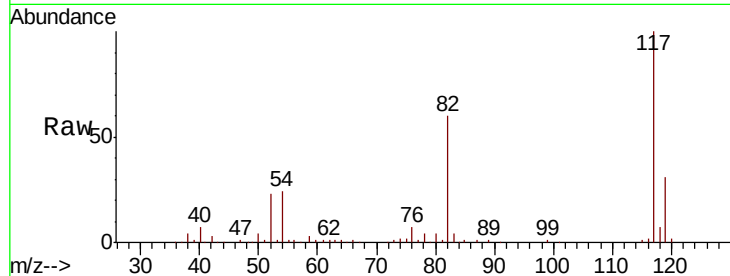




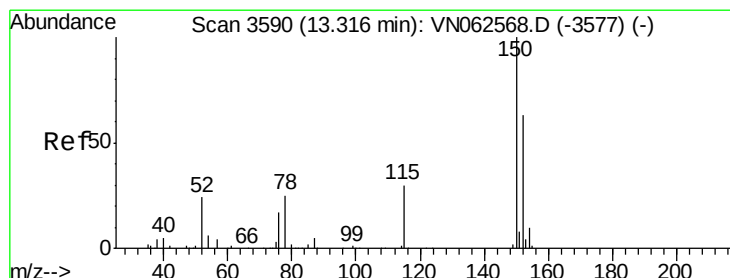
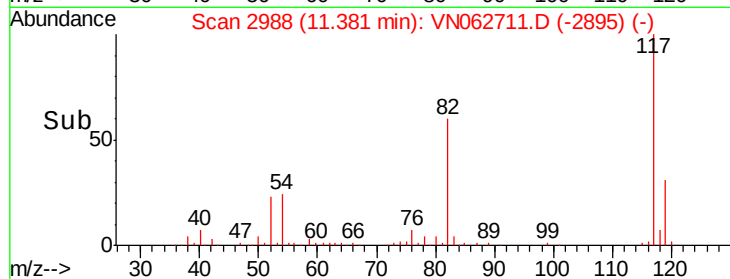
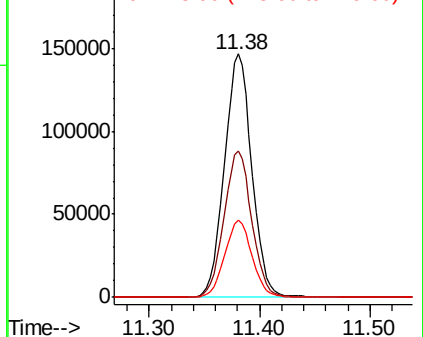
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Instrument :
MSVOA_N
ClientSampleId :
TP-12

Tot Ion:117 Resp: 251831
Ion Ratio Lower Upper
117 100
82 60.1 49.0 73.6
119 31.5 25.4 38.2

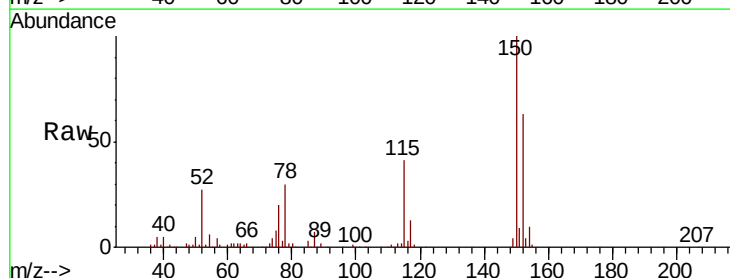


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

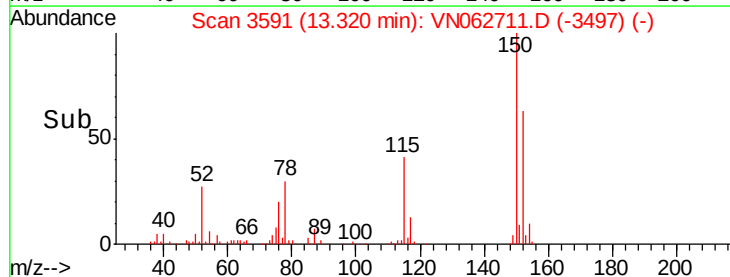
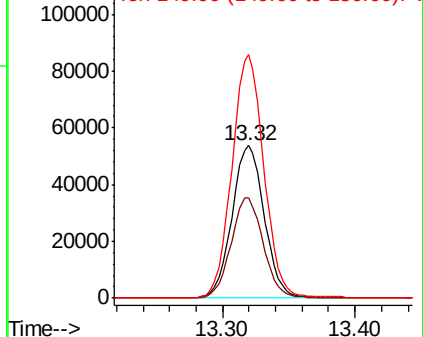


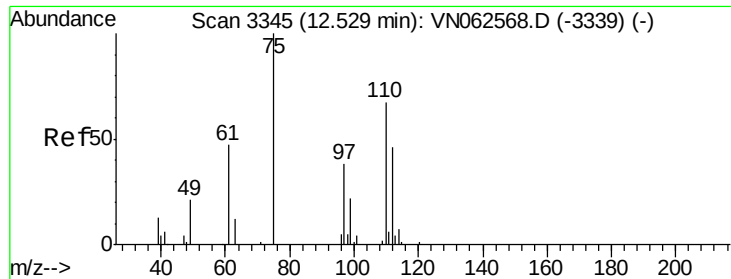
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062711.D
Acq: 1 Aug 2020 2:23

Tgt Ion:152 Resp: 90958
Ion Ratio Lower Upper
152 100
115 66.1 31.8 95.4
150 158.2 0.0 351.4



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

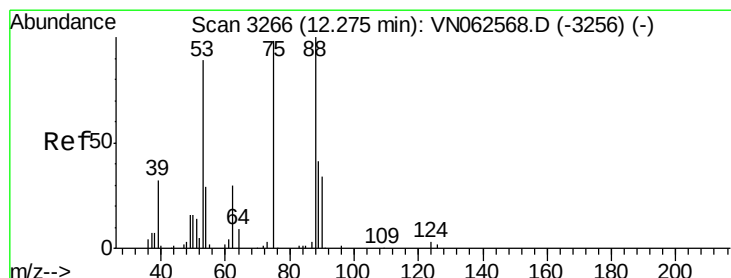
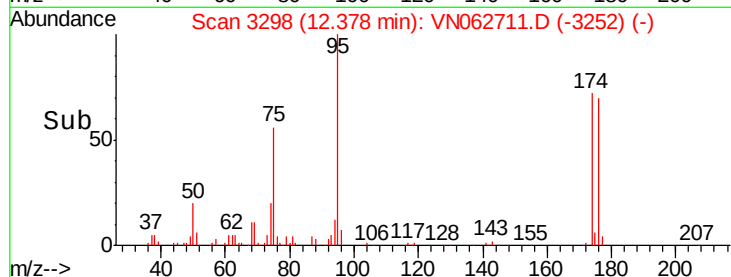
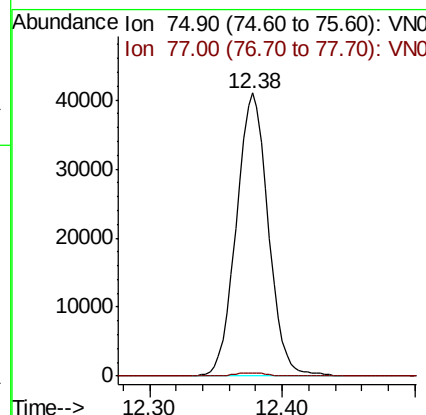
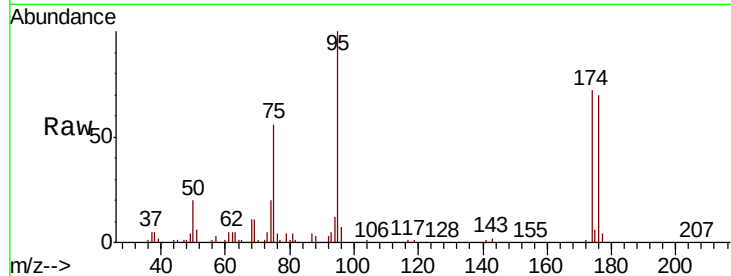




#76
 1,2,3-Trichloropropane
 Concen: 29.594 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062711.D
 Acq: 1 Aug 2020 2:23

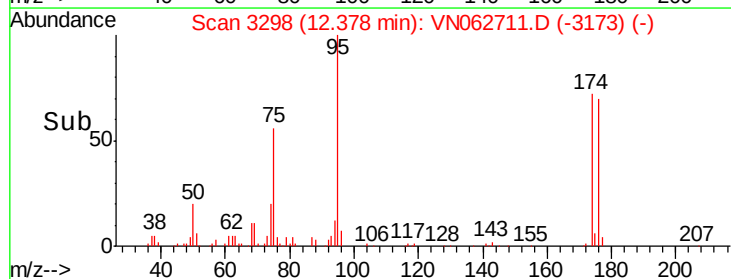
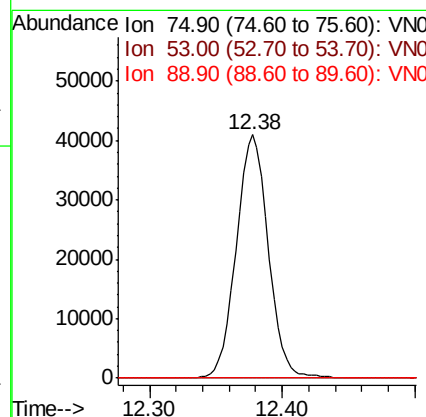
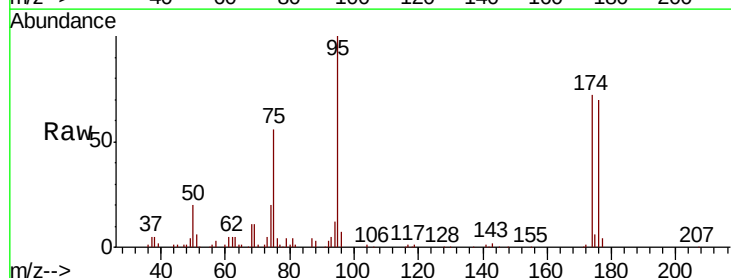
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

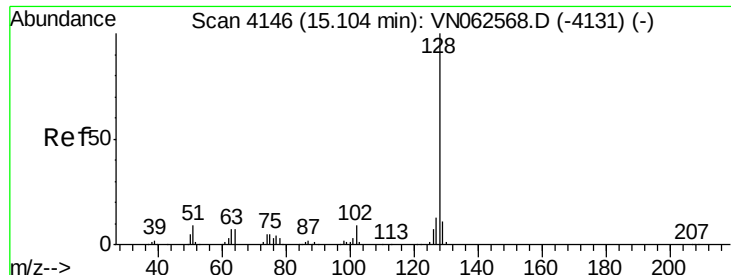
Tot Ion: 75 Resp: 68516
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.383 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062711.D
 Acq: 1 Aug 2020 2:23

Tgt Ion: 75 Resp: 68516
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 3.846 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062711.D

Acq: 1 Aug 2020 2:23

Instrument :

MSVOA_N

ClientSampleId :

TP-12

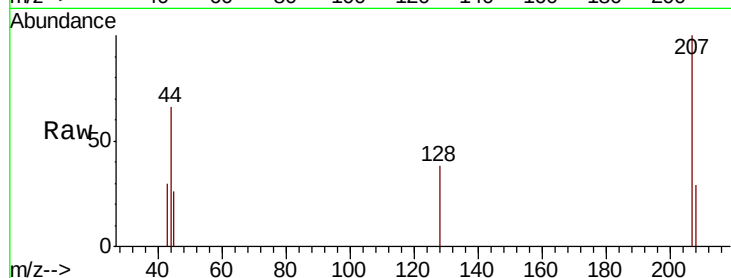
Tot Ion:128 Resp: 371

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

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

