

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060320\
 Data File : VN061637.D
 Acq On : 3 Jun 2020 14:45
 Operator : JC/MD
 Sample : PB129264TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129264TB

Quant Time: Jun 04 07:47:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	276664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	484976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216338	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	164845	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	7.55	113	123628	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.06	98	586580	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.38	95	220611	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	

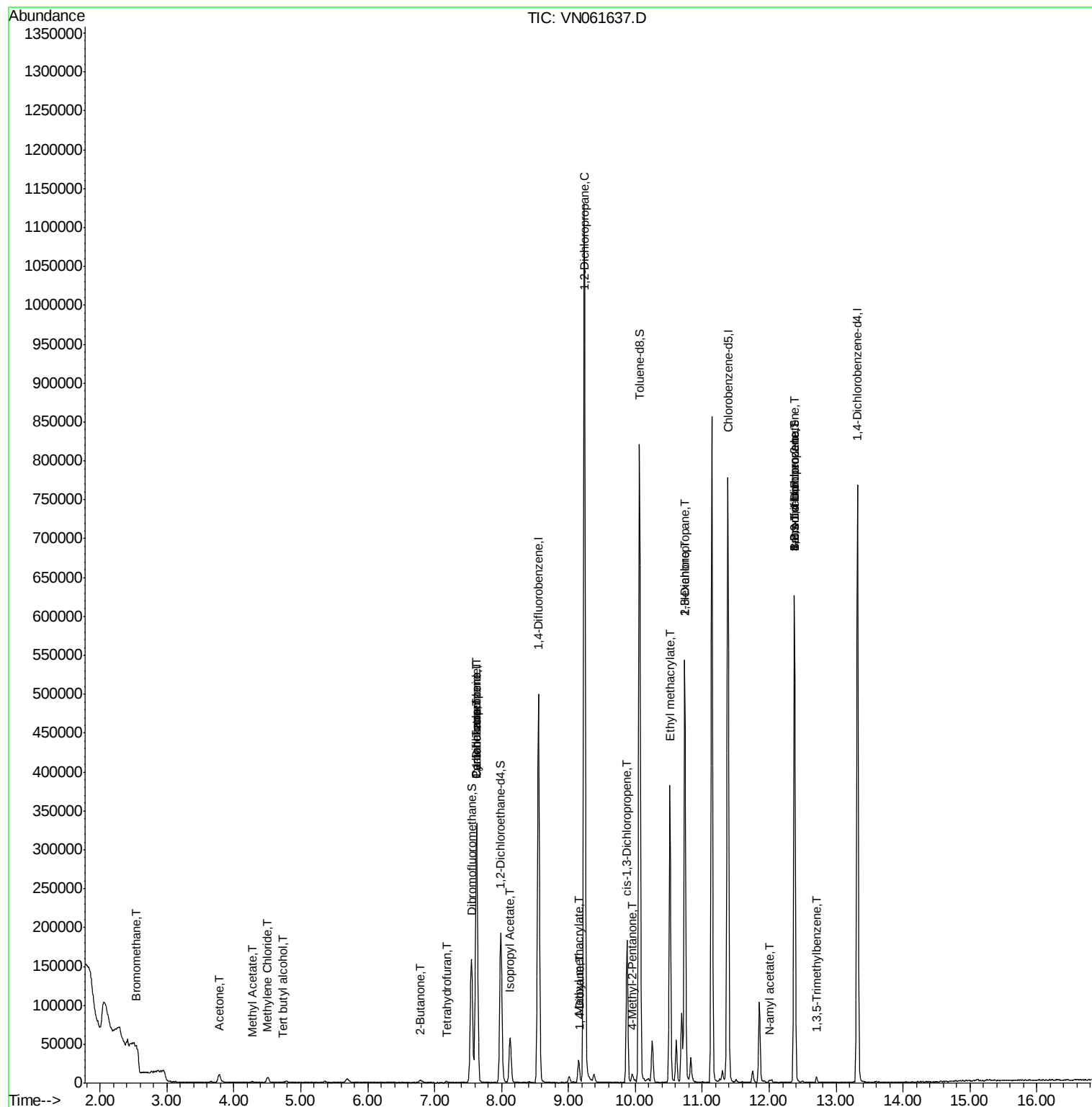
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	665	0.251	ug/l #	77
11) Tert butyl alcohol	4.73	59	171	0.390	ug/l #	72
16) Acetone	3.78	43	16914	12.734	ug/l	99
18) Methyl Acetate	4.27	43	1026	0.344	ug/l #	81
20) Methylene Chloride	4.50	84	5840	0.217	ug/l	91
25) 2-Butanone	6.79	43	4112	2.632	ug/l	98
29) Tetrahydrofuran	7.18	42	903	0.877	ug/l #	76
31) Cyclohexane	7.63	56	5043	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20003	4.640	ug/l #	48
38) Carbon Tetrachloride	7.63	117	27249	6.553	ug/l #	16
43) Isopropyl Acetate	8.13	43	66332	10.618	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	1688	0.534	ug/l #	44
48) Methyl methacrylate	9.15	41	3132	1.114	ug/l #	5
49) 1,4-Dioxane	9.18	88	33	0.758	ug/l #	29
51) 4-Methyl-2-Pentanone	9.95	43	8292	2.355	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	37104	6.675	ug/l #	63
56) Ethyl methacrylate	10.52	69	1256	0.260	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5868	1.061	ug/l #	42
59) 2-Hexanone	10.74	43	69388	27.446	ug/l #	48
71) Bromoform	12.38	173	1557	0.538	ug/l #	1
74) N-amyl acetate	12.00	43	2357	0.474	ug/l #	42
76) 1,2,3-Trichloropropane	12.38	75	105768	26.887	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4192	0.318	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	105768	68.756	ug/l #	15

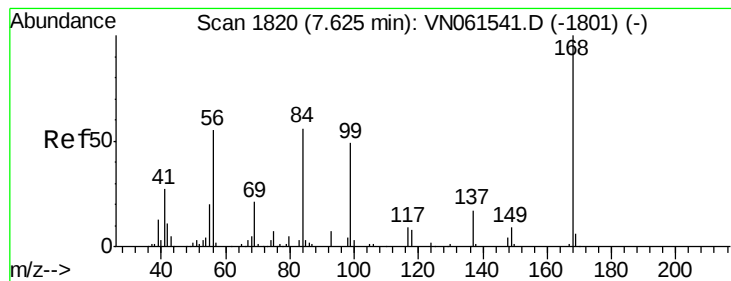
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 07:47:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

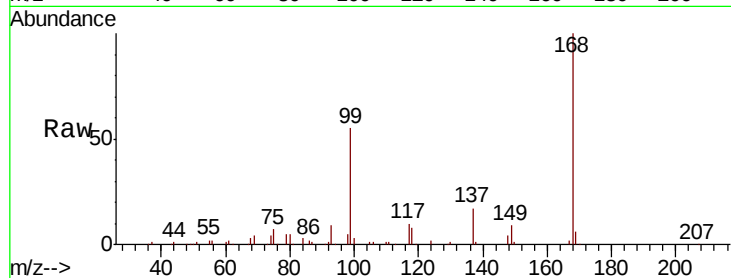
PB129264TB

Tot Ion:168 Resp: 276664

Ion Ratio Lower Upper

168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

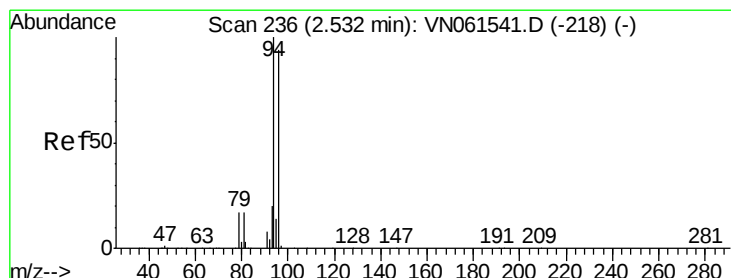
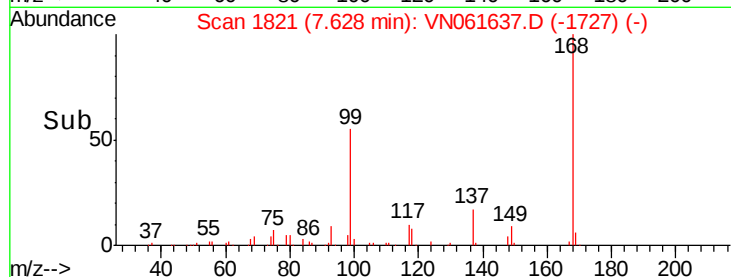
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.251 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061637.D

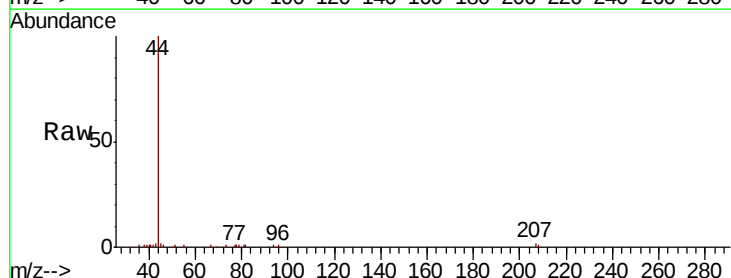
Acq: 3 Jun 2020 14:45

Tgt Ion: 94 Resp: 665

Ion Ratio Lower Upper

94 100

96 115.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

400

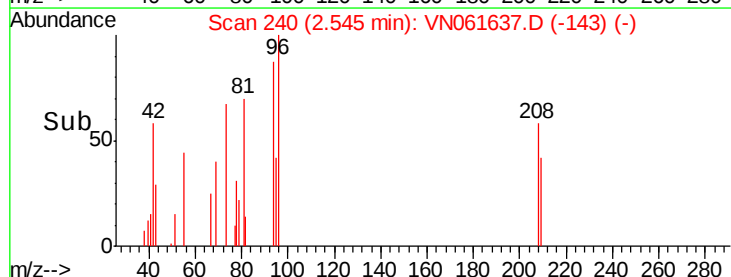
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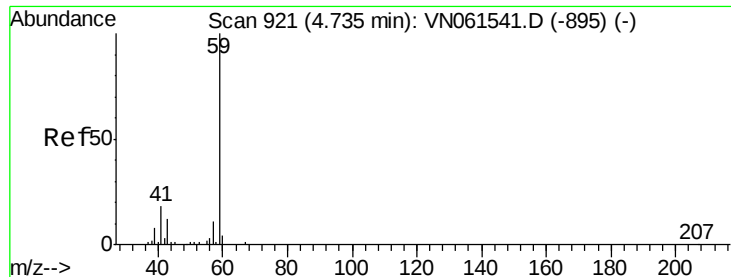
200

100

0

Time-->



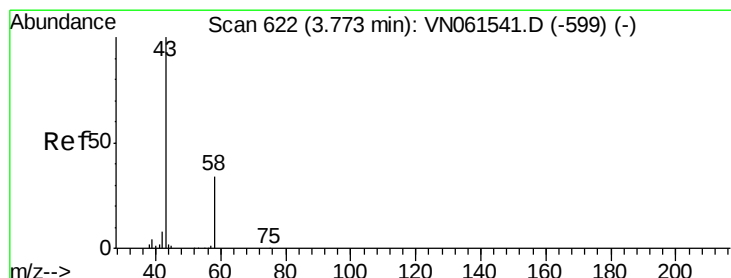
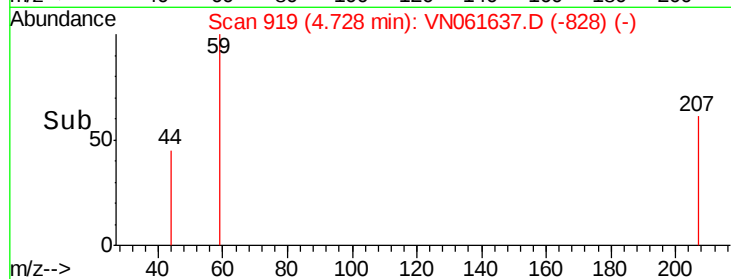
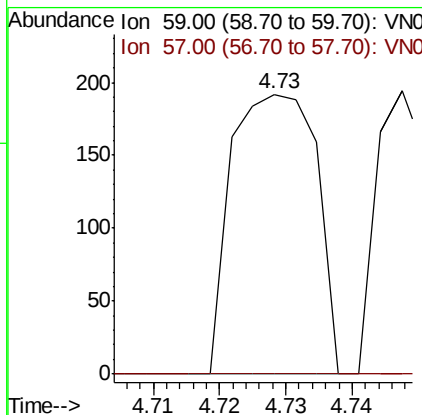
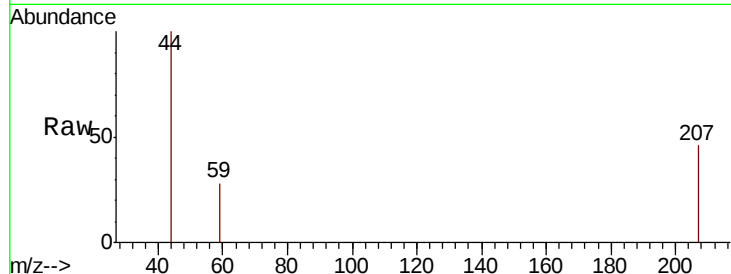


#11

Tert butyl alcohol
 Concen: 0.390 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Instrument :
 MSVOA_N
 ClientSampled :
 PB129264TB

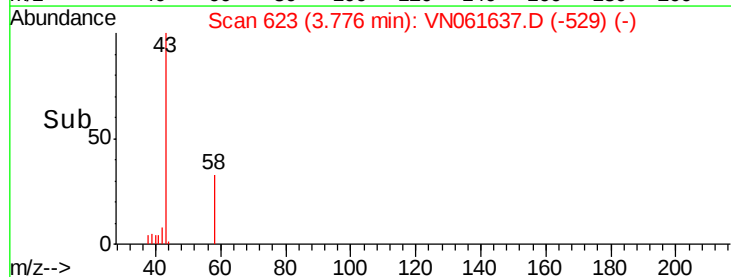
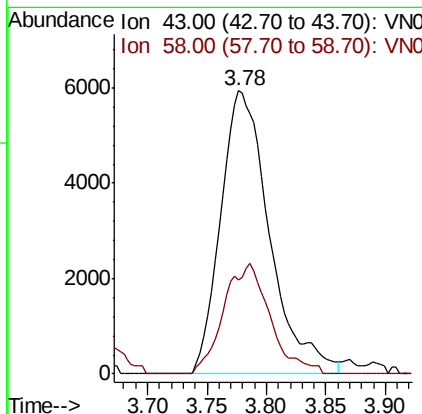
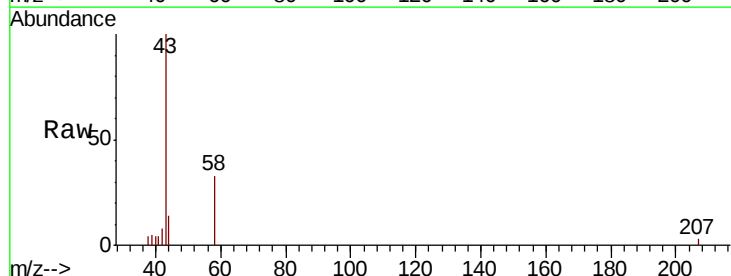
Tot Ion: 59 Resp: 171
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

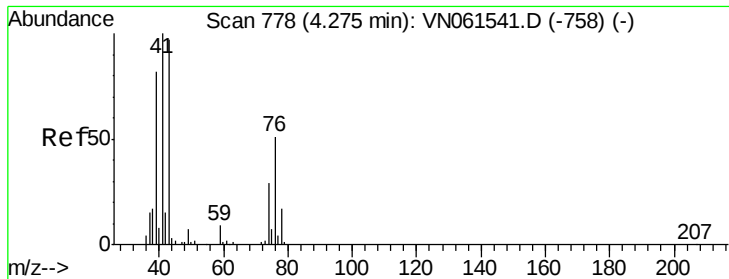


#16

Acetone
 Concen: 12.734 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Tgt Ion: 43 Resp: 16914
 Ion Ratio Lower Upper
 43 100
 58 33.2 27.2 40.8

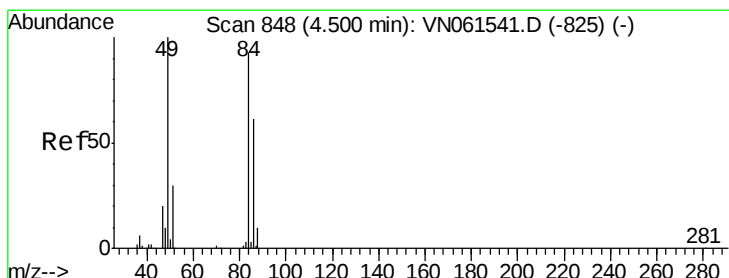
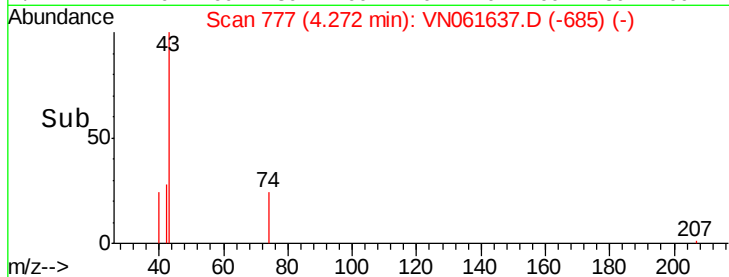
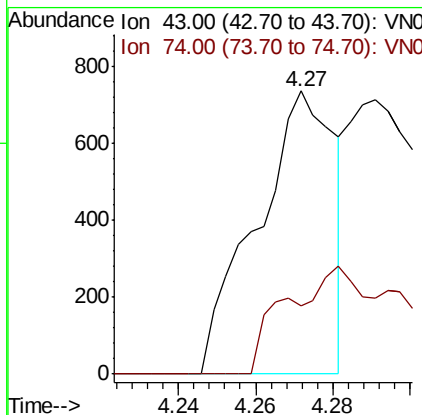
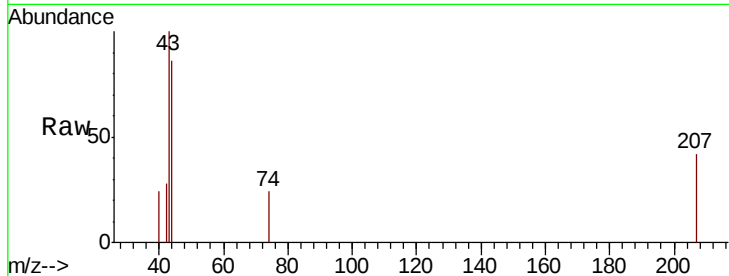




#18
Methyl Acetate
Concen: 0.344 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

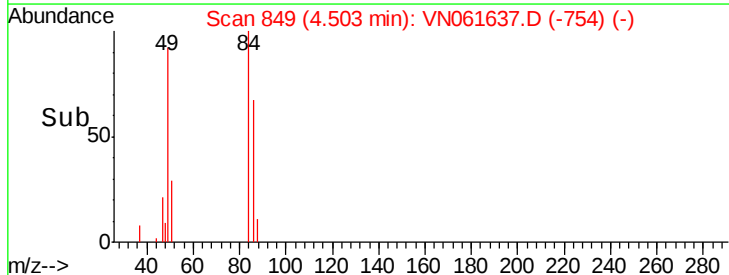
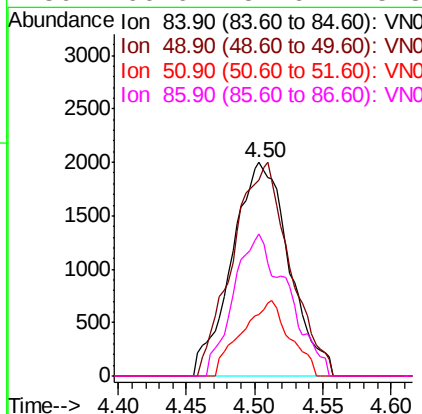
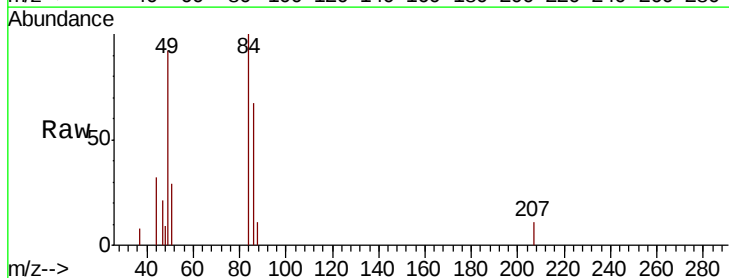
Instrument :
MSVOA_N
ClientSampled :
PB129264TB

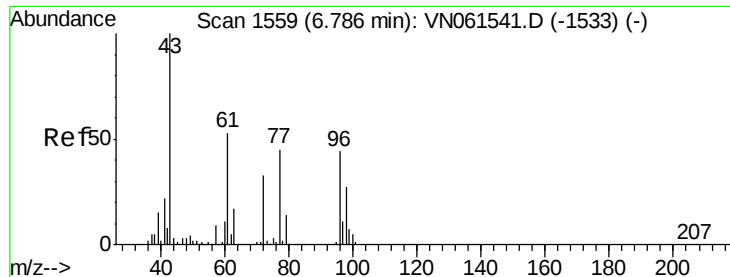
Tot Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
74 39.1 23.2 34.8#



#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion: 84 Resp: 5840
Ion Ratio Lower Upper
84 100
49 92.0 85.8 128.8
51 29.0 26.2 39.2
86 66.6 52.6 78.8

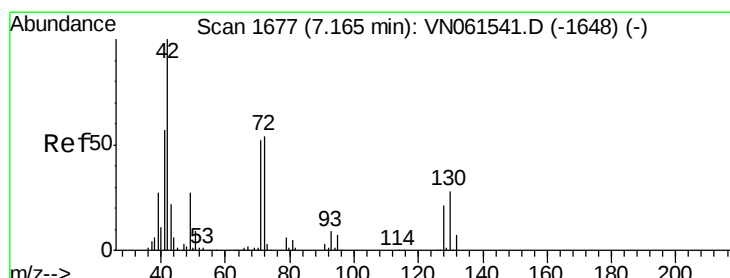
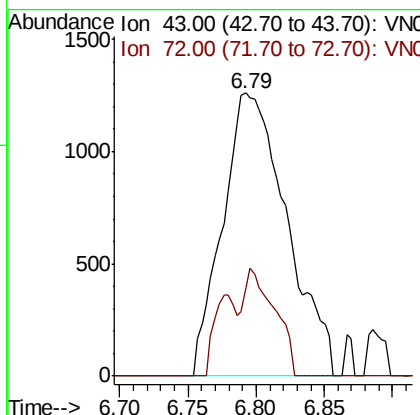
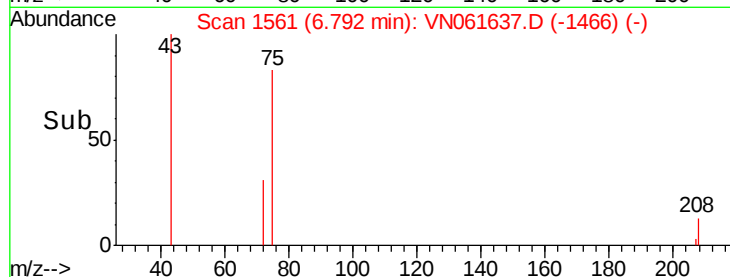
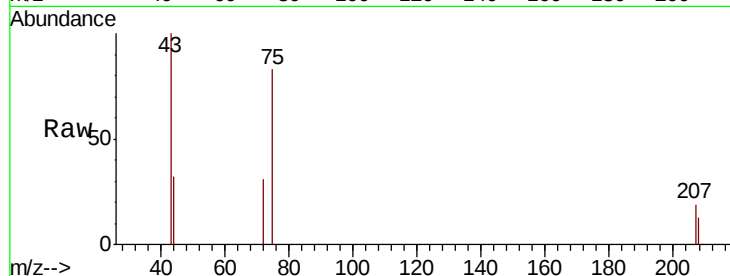




#25
2-Butanone
Concen: 2.632 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

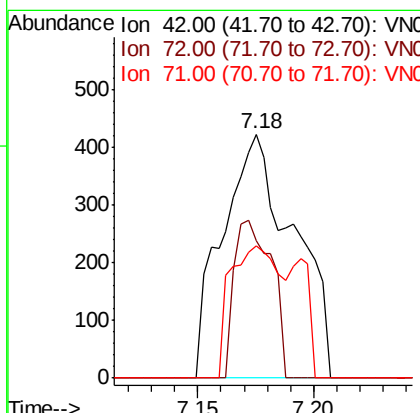
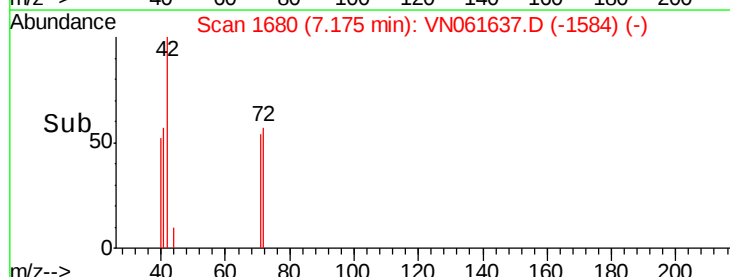
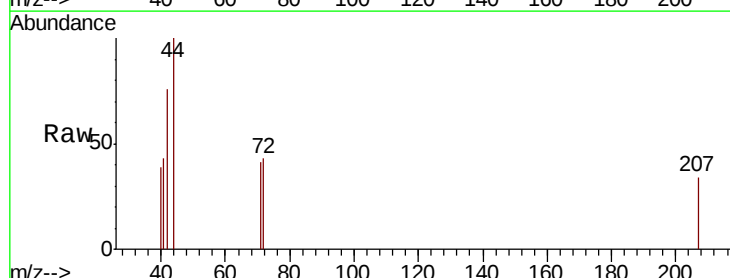
Instrument :
MSVOA_N
ClientSampled :
PB129264TB

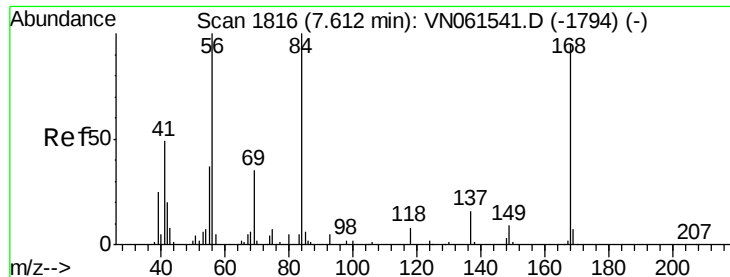
Tot Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
72 31.4 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.877 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion: 42 Resp: 903
Ion Ratio Lower Upper
42 100
72 33.8 43.6 65.4#
71 38.3 41.2 61.8#

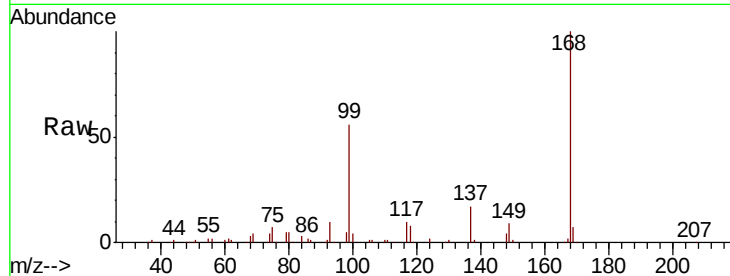




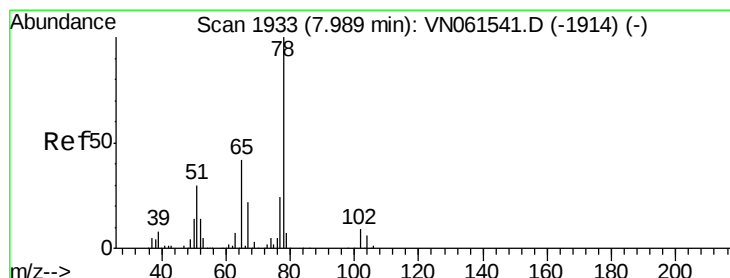
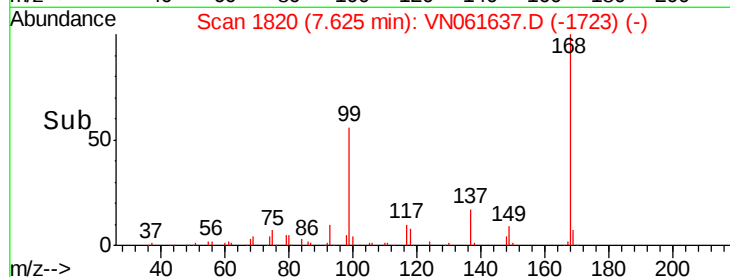
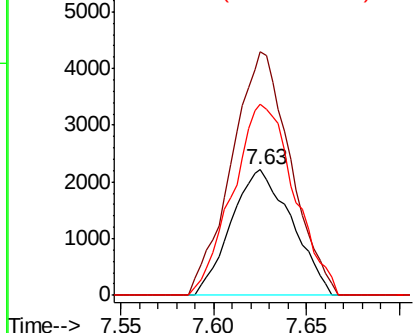
#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
PB129264TB

Tot Ion: 56 Resp: 5043
Ion Ratio Lower Upper
56 100
69 193.9 27.8 41.8#
84 152.0 79.9 119.9#

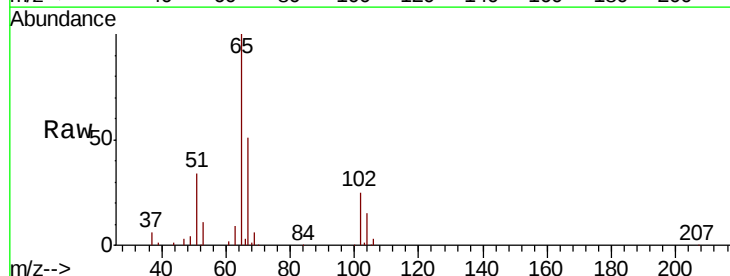


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

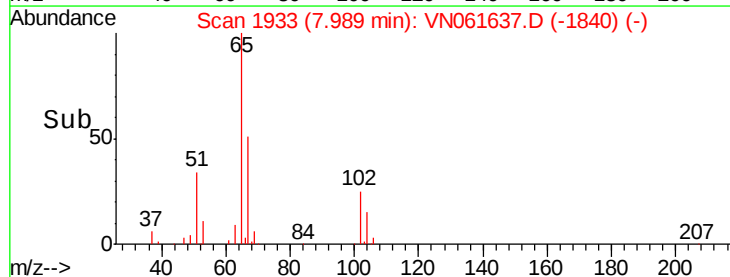
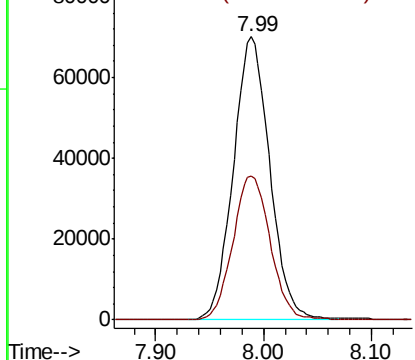


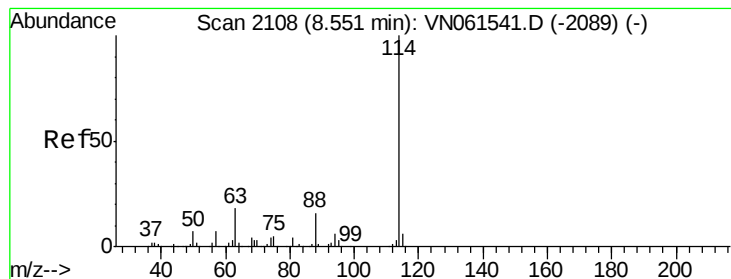
#33
1,2-Dichloroethane-d4
Concen: 50.009 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion: 65 Resp: 164845
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



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: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB129264TB

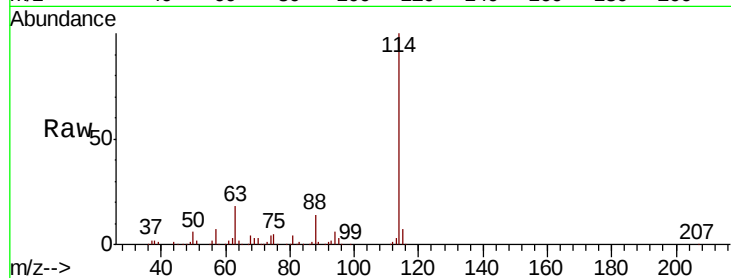
Tot Ion:114 Resp: 486972

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.8

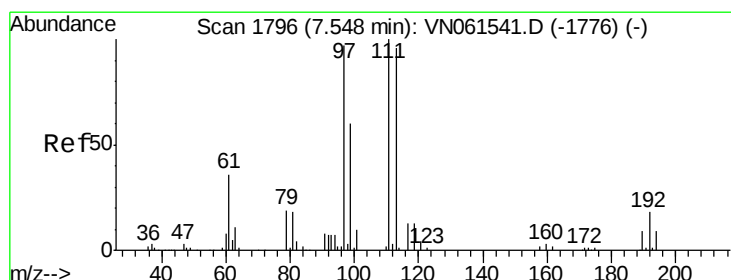
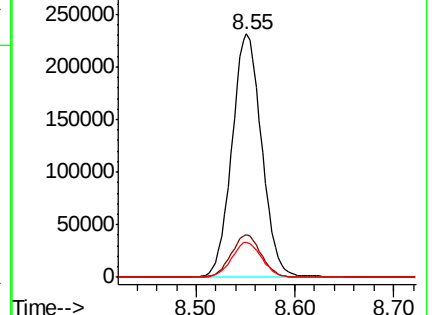
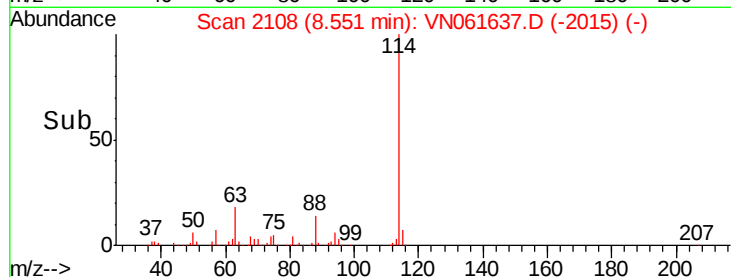
88 14.5 0.0 31.0



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: 50.045 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

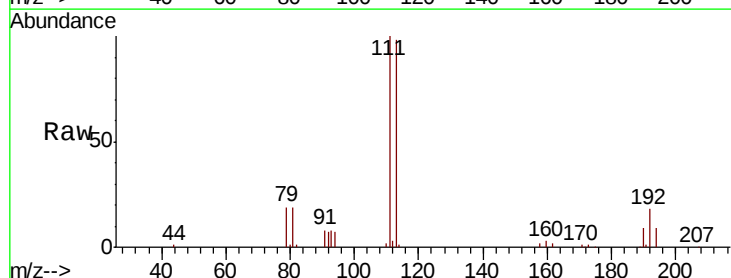
Tgt Ion:113 Resp: 123628

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

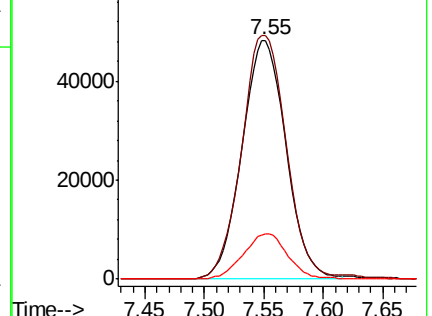
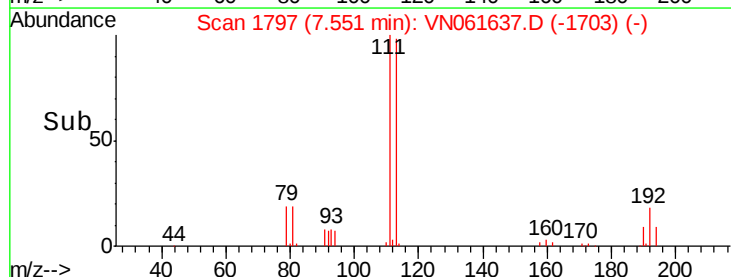
192 19.1 15.4 23.2

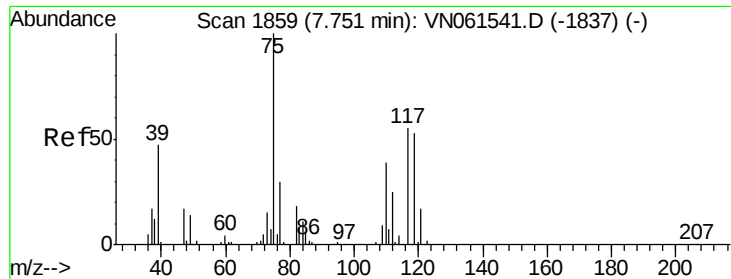


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

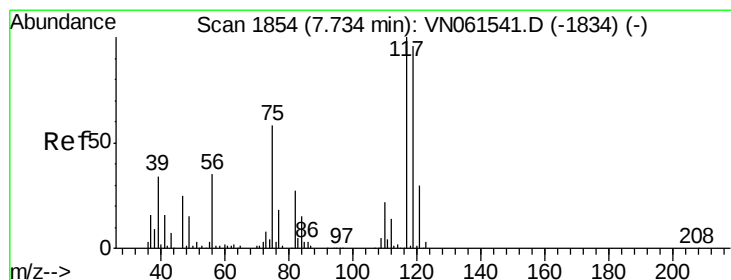
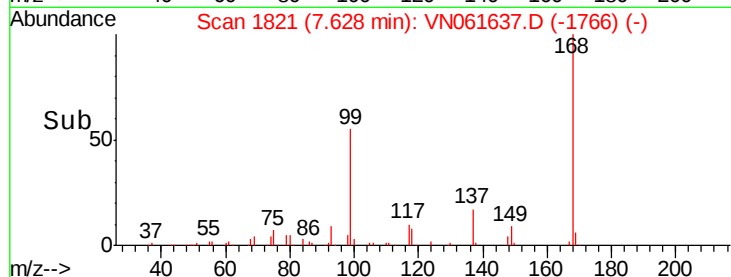
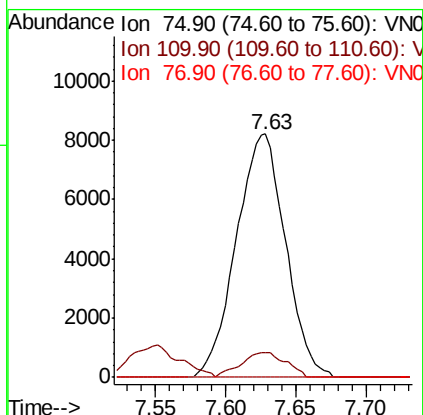
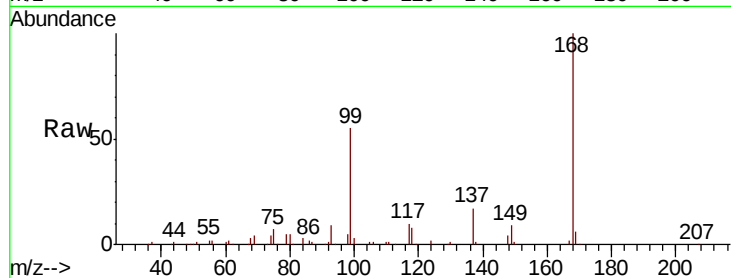




#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

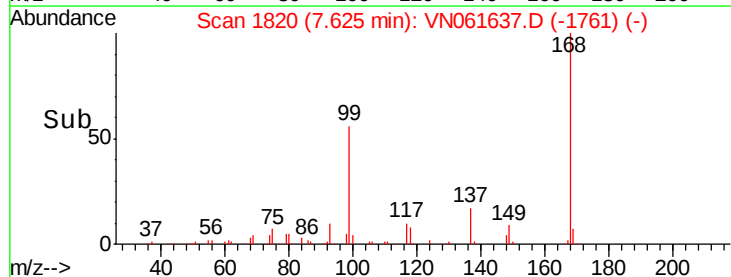
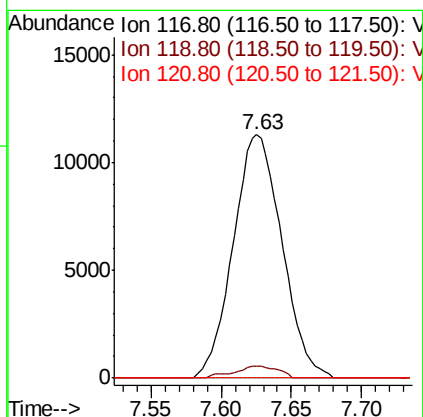
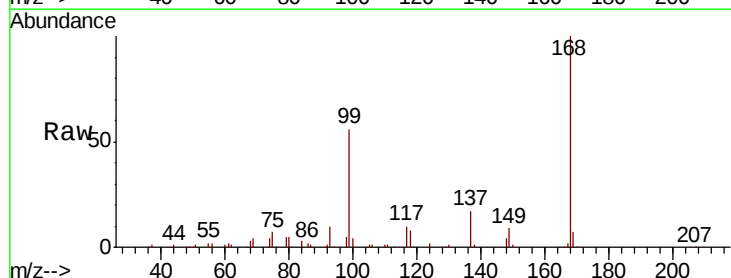
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129264TB

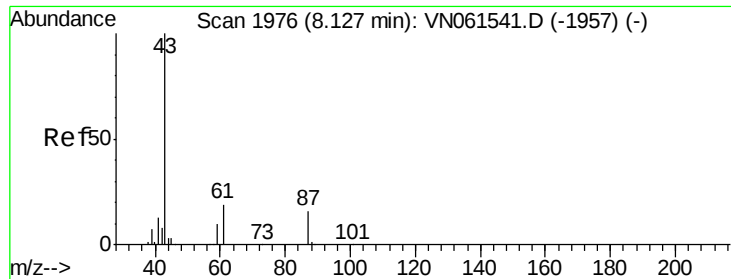
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.5	114.7#
121	0.0	24.1	36.1#

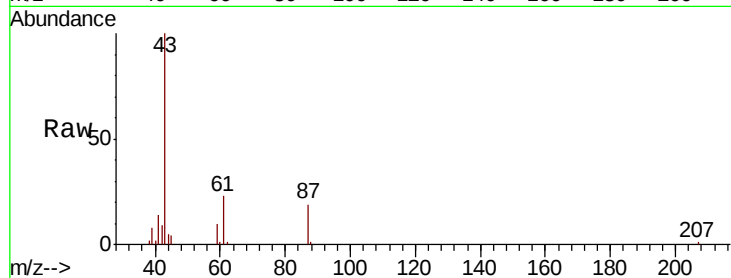




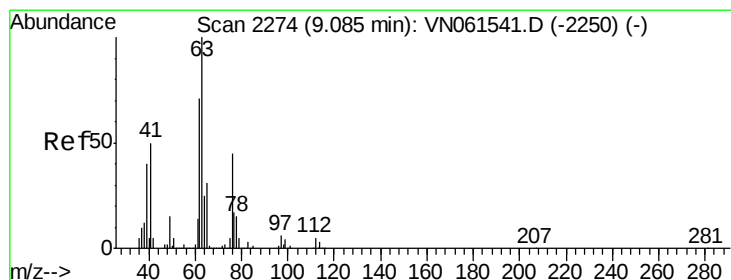
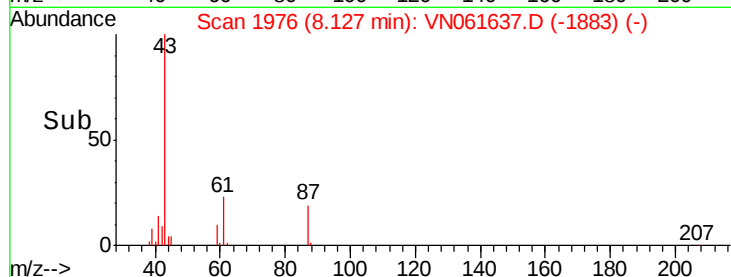
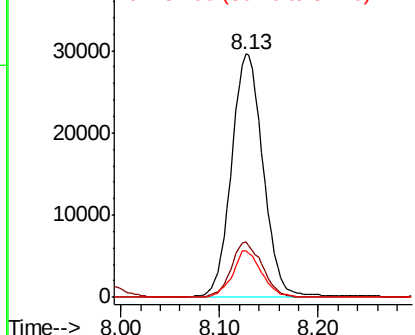
#43
Isopropyl Acetate
Concen: 10.618 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
PB129264TB

Tot Ion: 43 Resp: 66332
Ion Ratio Lower Upper
43 100
61 22.0 23.6 35.4#
87 17.4 13.0 19.6

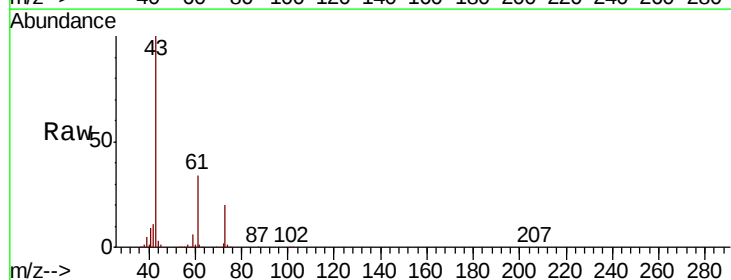


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

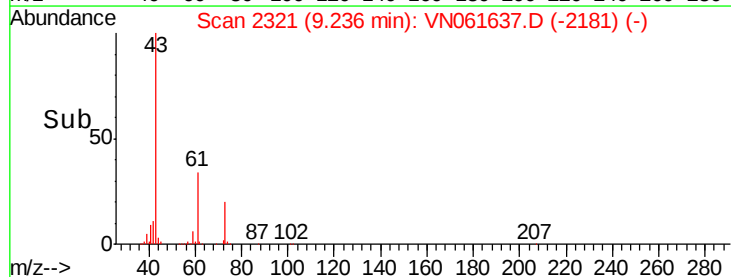
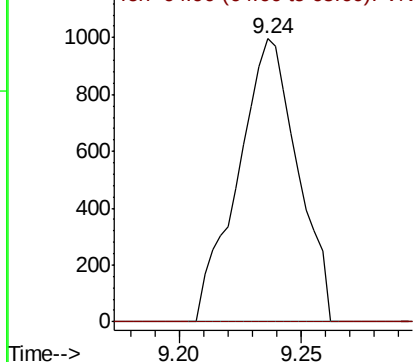


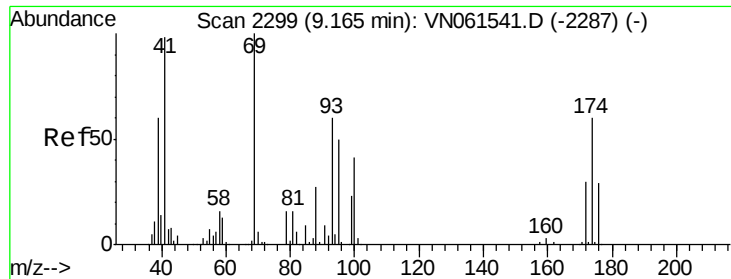
#45
1,2-Dichloropropane
Concen: 0.534 ug/l
RT: 9.24 min Scan# 2321
Delta R.T. 0.15 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion: 63 Resp: 1688
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0

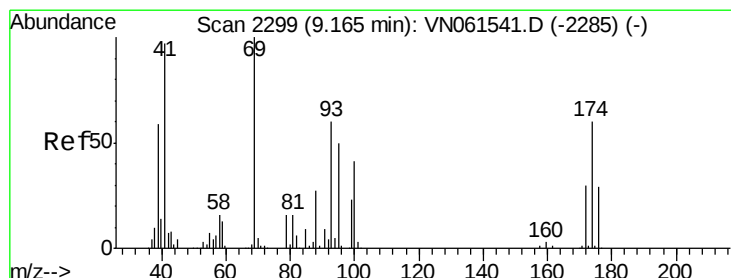
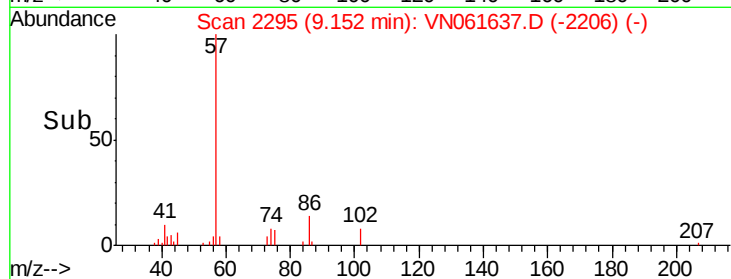
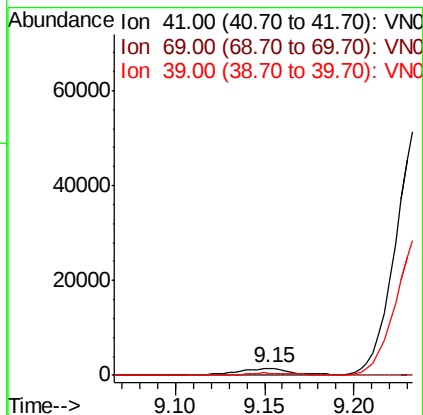
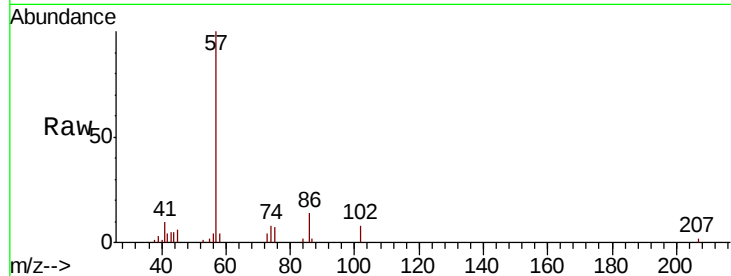




#48
Methvl methacrylate
Concen: 1.114 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

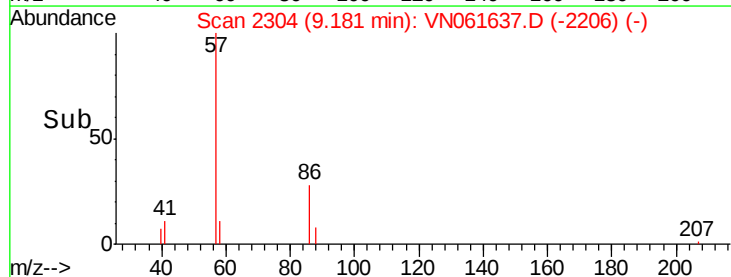
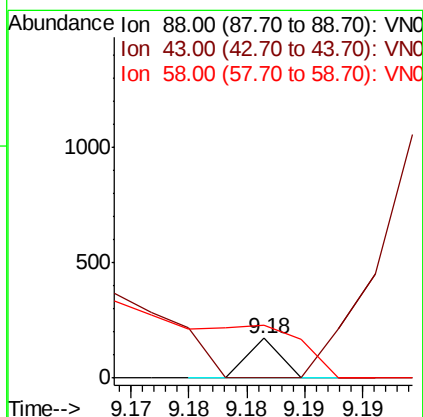
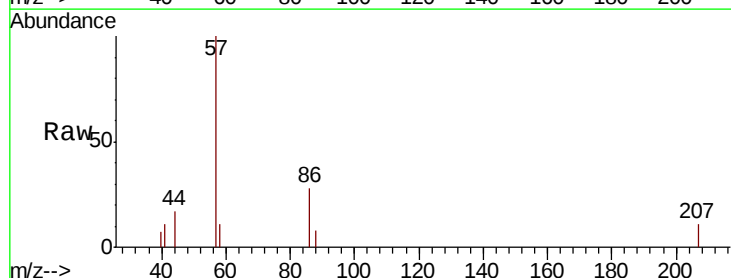
Instrument :
MSVOA_N
ClientSampled :
PB129264TB

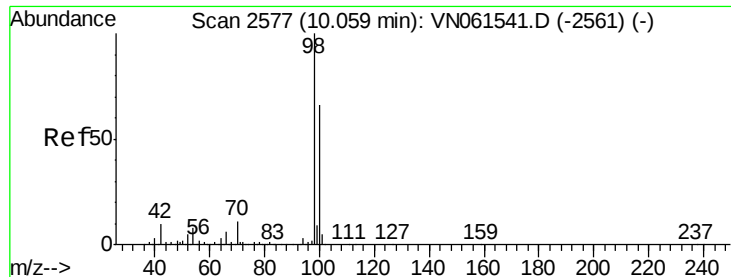
Tot Ion: 41 Resp: 3132
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#49
1,4-Dioxane
Concen: 0.758 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 0.0 23.1 34.7#
58 0.0 48.3 72.5#





#50

Toluene-d8

Concen: 51.240 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampled :

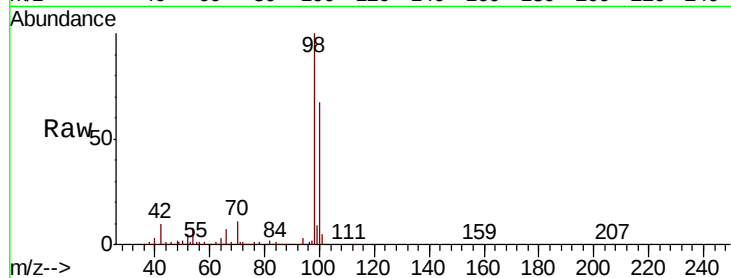
PB129264TB

Tot Ion: 98 Resp: 586580

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

10.06

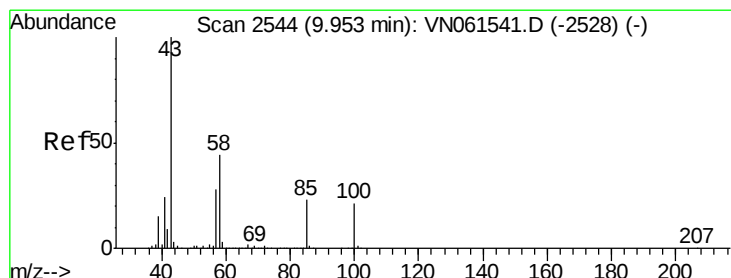
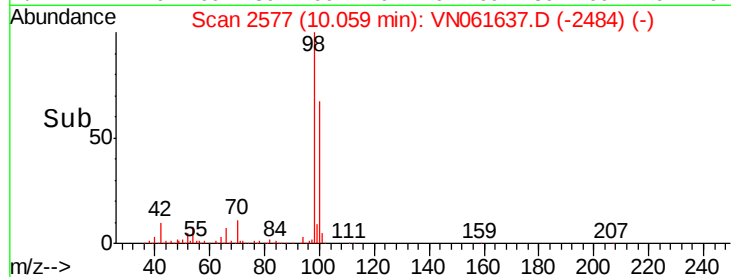
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.355 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061637.D

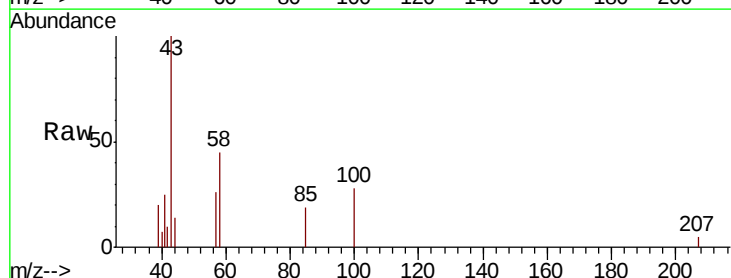
Acq: 3 Jun 2020 14:45

Tgt Ion: 43 Resp: 8292

Ion Ratio Lower Upper

43 100

58 39.2 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

20000

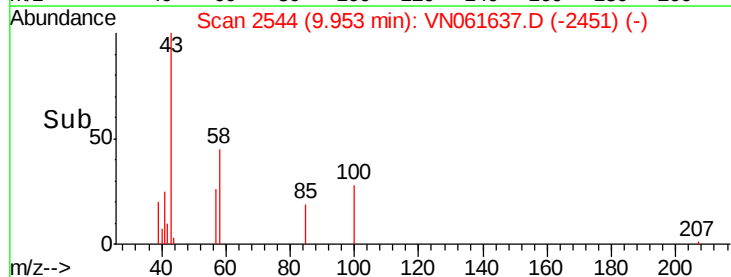
15000

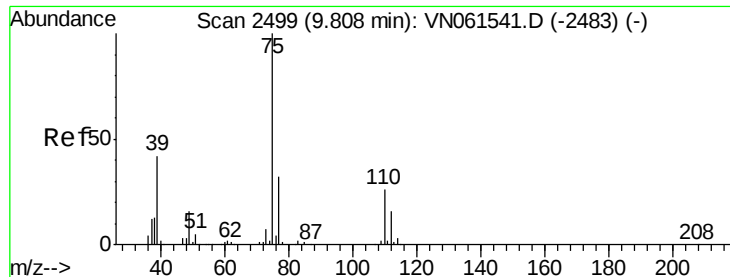
10000

5000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.675 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampled :

PB129264TB

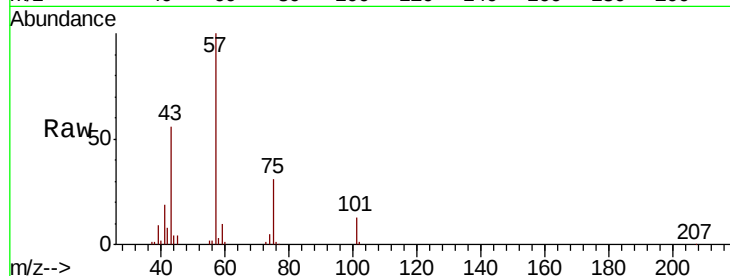
Tot Ion: 75 Resp: 37104

Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.2#

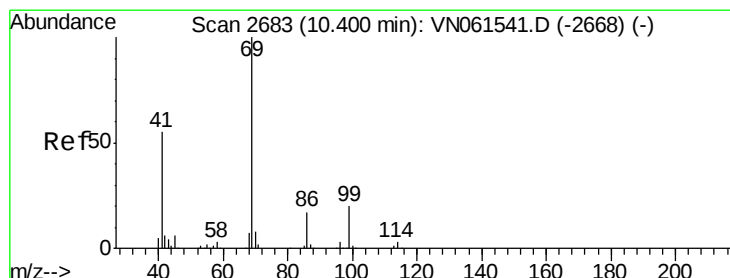
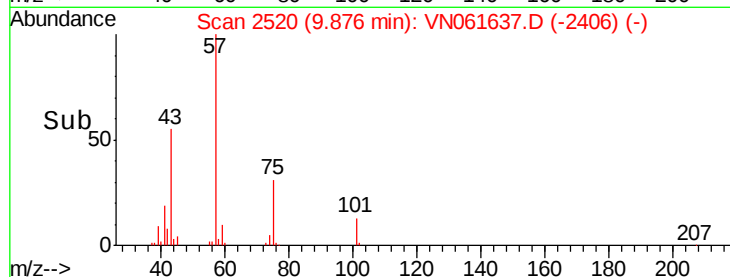
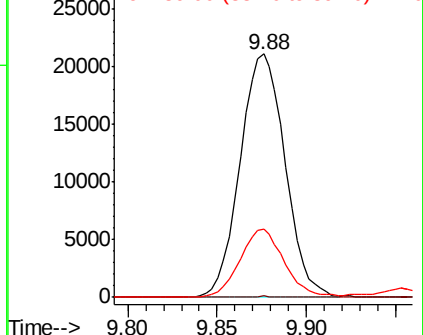
39 28.2 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.260 ug/l

RT: 10.52 min Scan# 2721

Delta R.T. 0.12 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

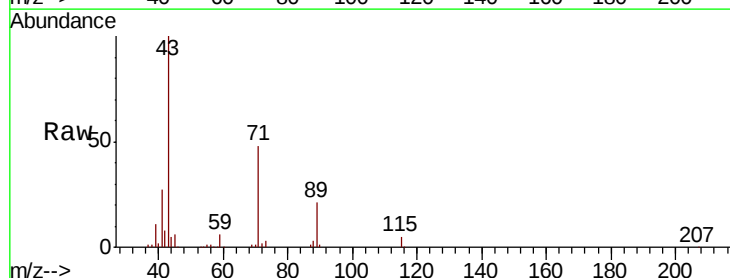
Tgt Ion: 69 Resp: 1256

Ion Ratio Lower Upper

69 100

41 5424.7 43.5 65.3#

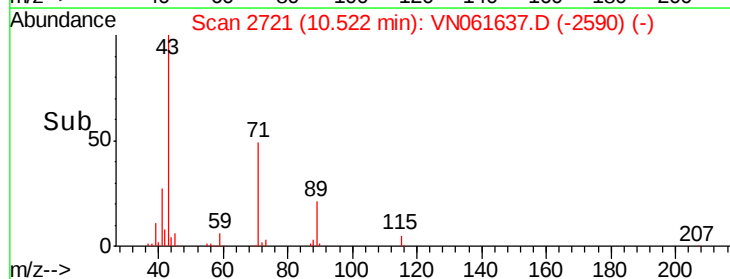
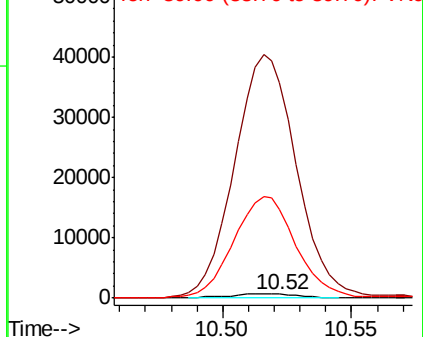
39 2257.1 27.0 40.6#

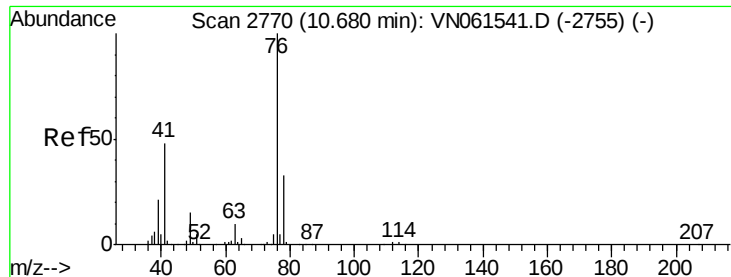


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

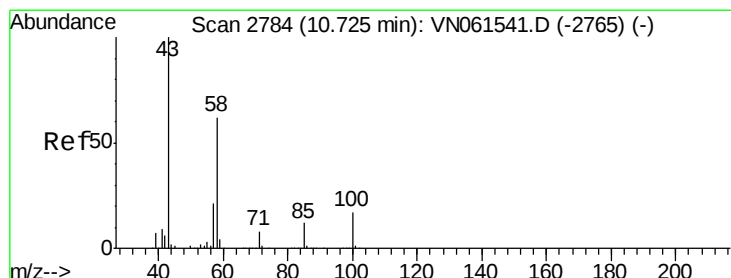
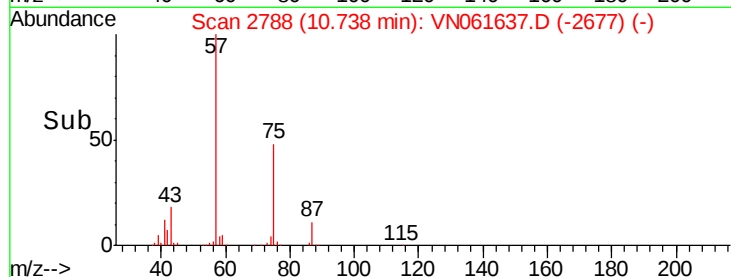
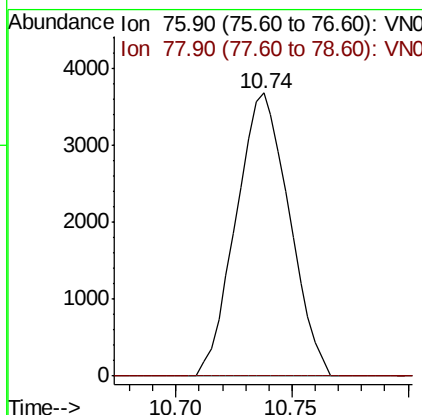
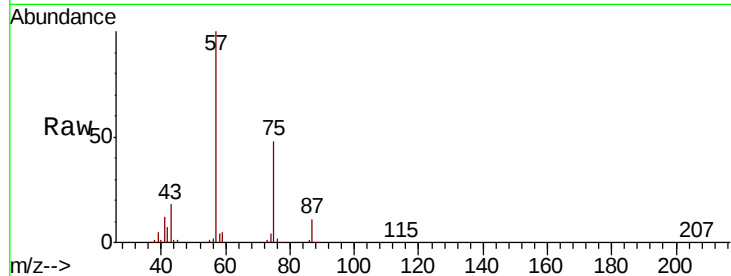




#57
 1,3-Dichloropropane
 Concen: 1.061 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

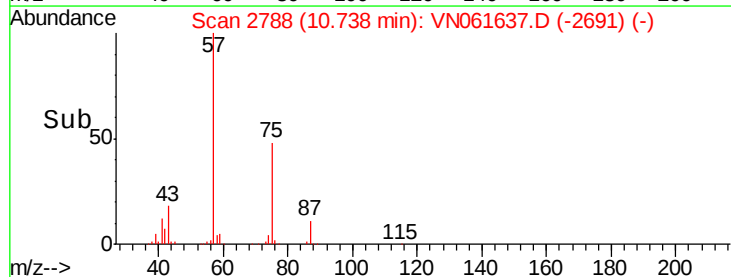
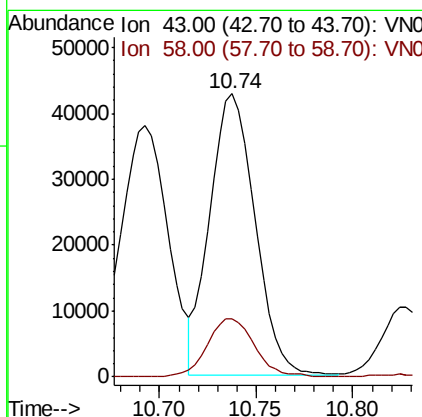
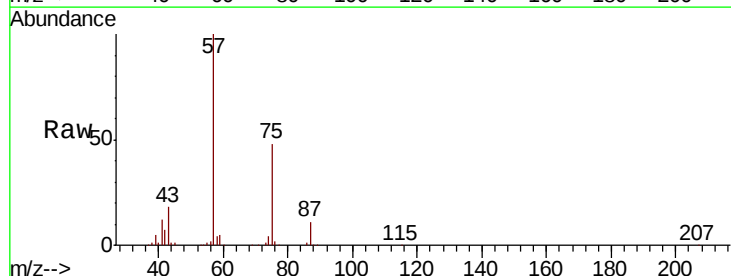
Instrument :
 MSVOA_N
 ClientSampled :
 PB129264TB

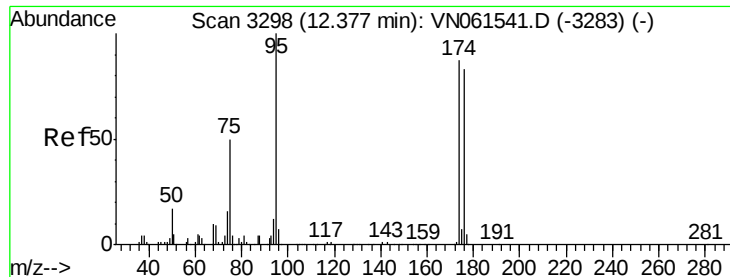
Tot Ion: 76 Resp: 5868
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 27.446 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Tgt Ion: 43 Resp: 69388
 Ion Ratio Lower Upper
 43 100
 58 21.7 30.7 92.1#





#62

4-Bromofluorobenzene

Concen: 52.821 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB129264TB

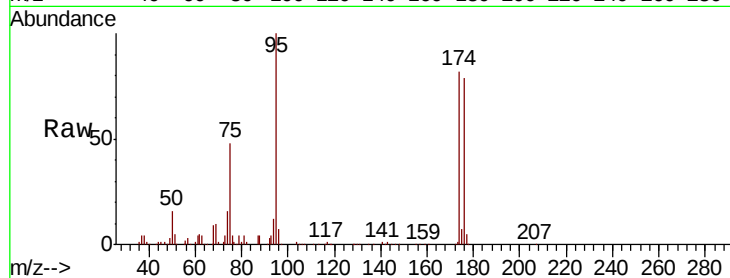
Tot Ion: 95 Resp: 220611

Ion Ratio Lower Upper

95 100

174 81.4 0.0 172.8

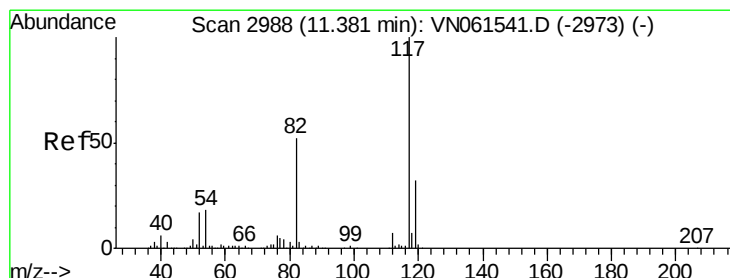
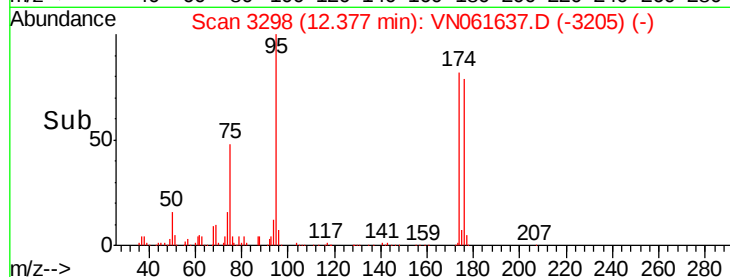
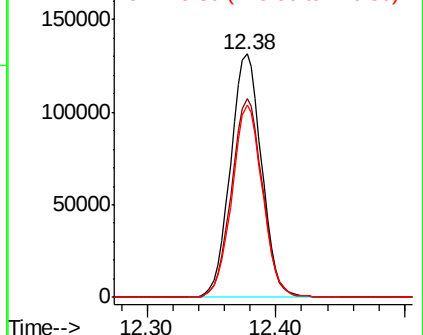
176 77.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

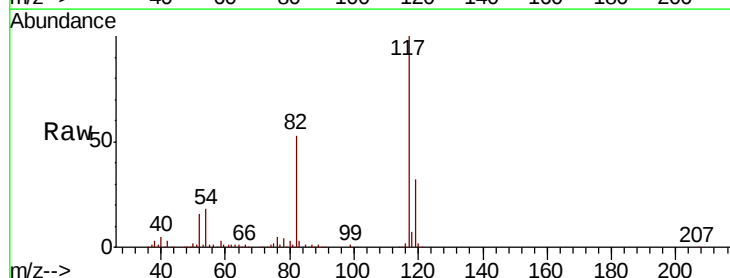
Tgt Ion: 117 Resp: 484976

Ion Ratio Lower Upper

117 100

82 52.7 41.5 62.3

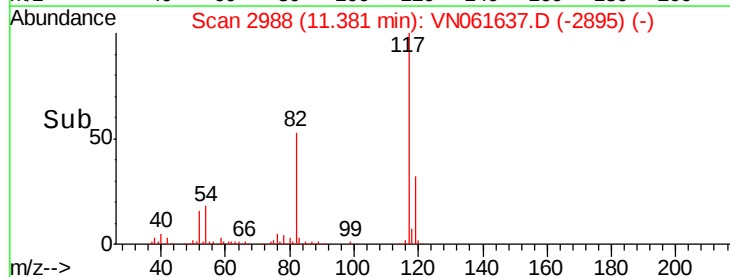
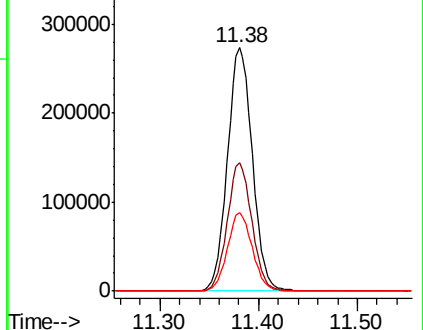
119 32.2 25.6 38.4

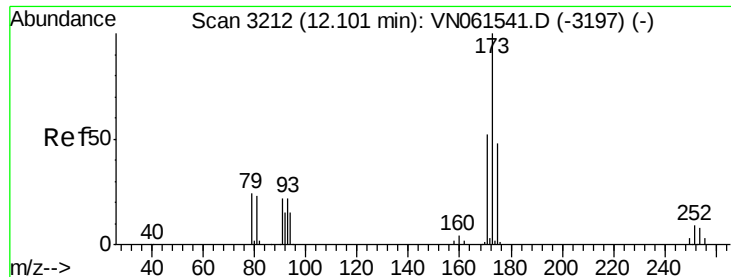


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)





#71

Bromoform

Concen: 0.538 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061637.D

Acq: 3 Jun 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB129264TB

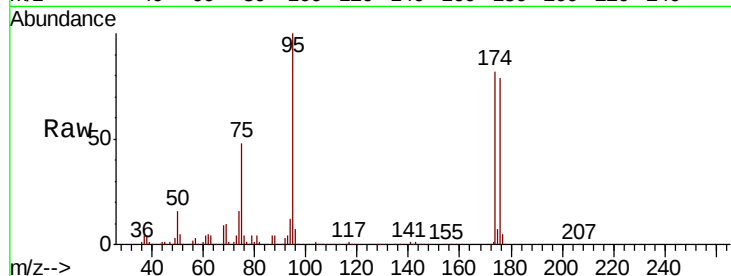
Tot Ion:173 Resp: 1557

Ion Ratio Lower Upper

173 100

175 753.9 24.4 73.2#

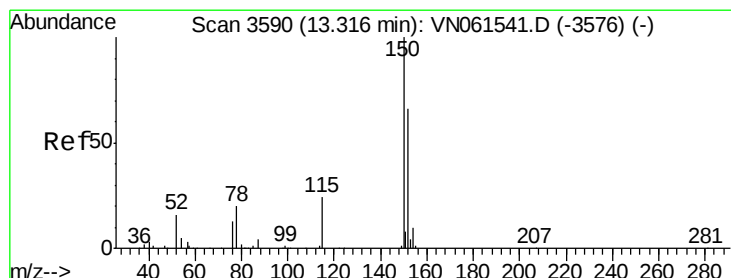
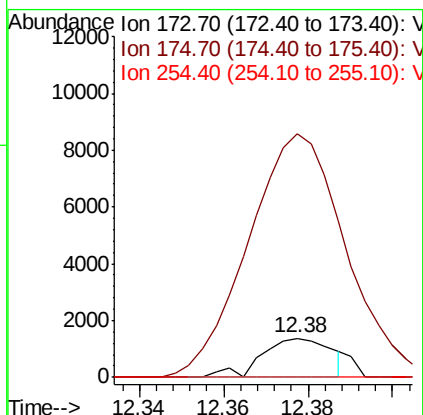
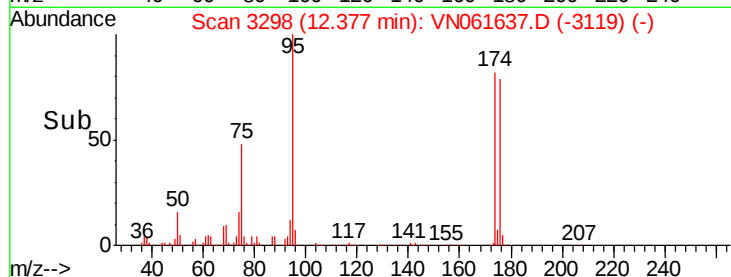
254 0.0 0.0 0.0



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: VN061637.D

Acq: 3 Jun 2020 14:45

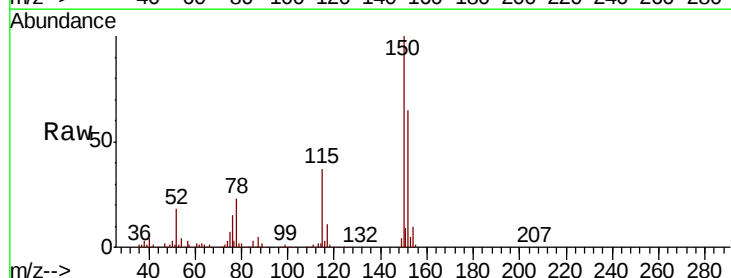
Tgt Ion:152 Resp: 216338

Ion Ratio Lower Upper

152 100

115 58.1 28.0 84.0

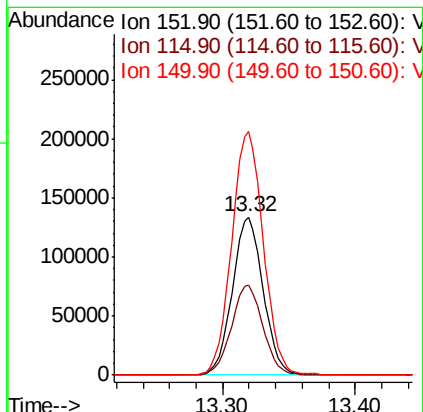
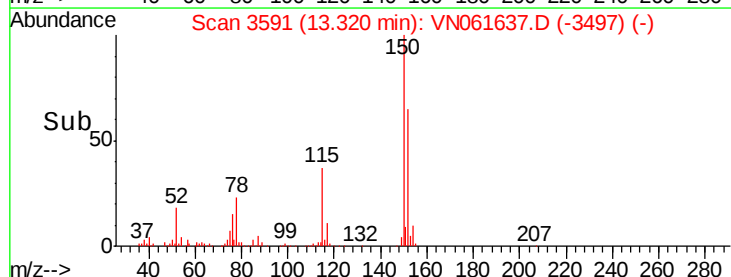
150 158.3 0.0 344.0

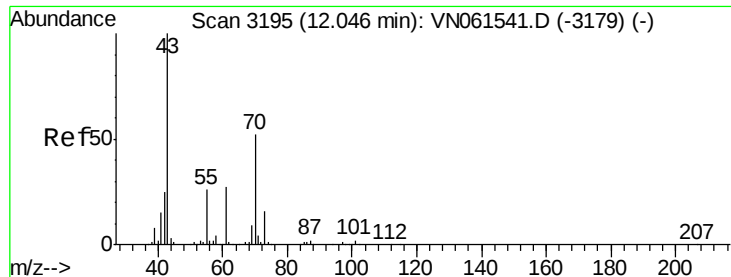


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

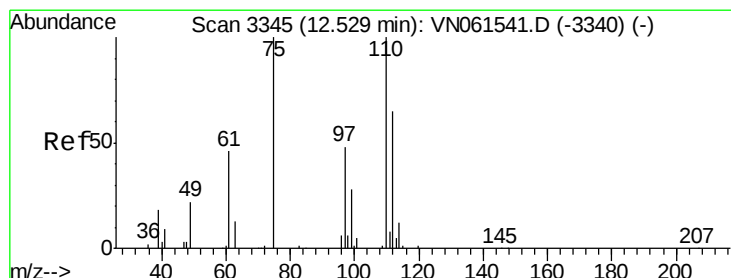
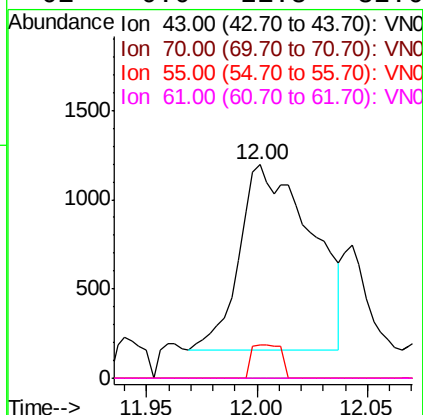
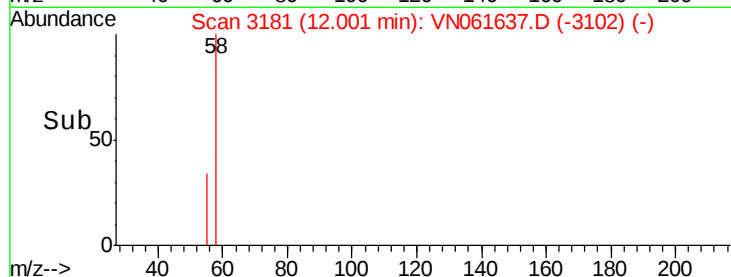
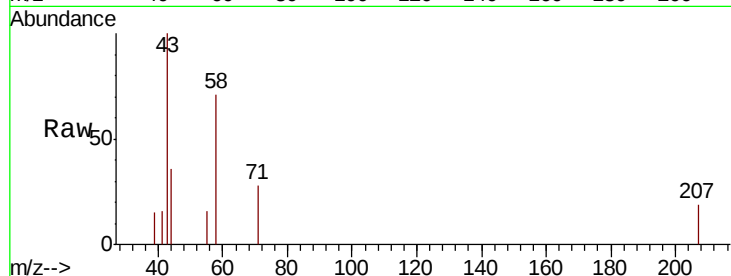




#74
N-amvl acetate
Concen: 0.474 ug/l
RT: 12.00 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

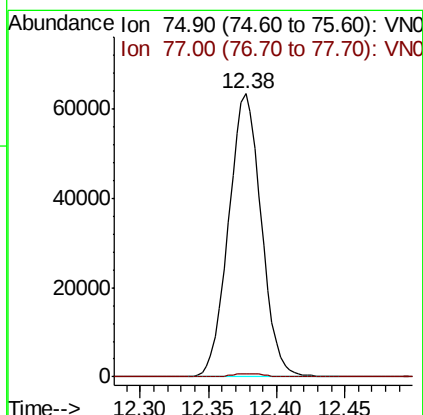
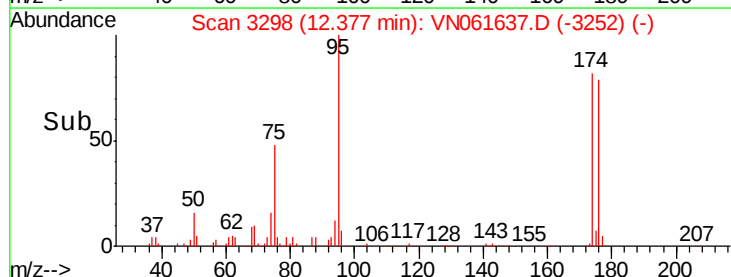
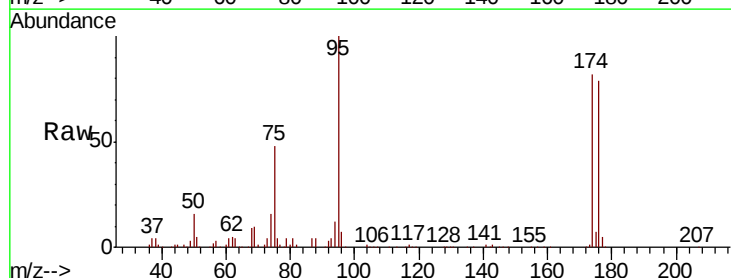
Instrument :
MSVOA_N
ClientSampled :
PB129264TB

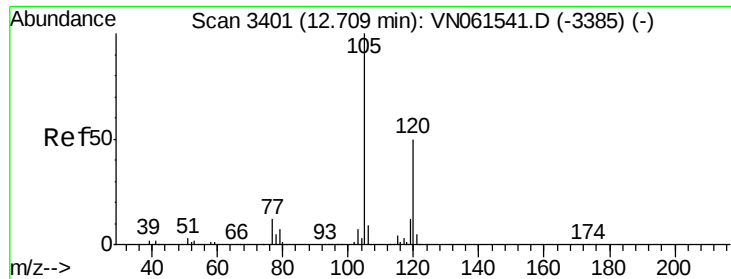
Tot Ion:	43	Resp:	2357
Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.5	60.7#
55	7.4	20.6	31.0#
61	0.0	21.8	32.6#



#76
1,2,3-Trichloropropane
Concen: 26.887 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN061637.D
Acq: 3 Jun 2020 14:45

Tgt Ion:	75	Resp:	105768
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

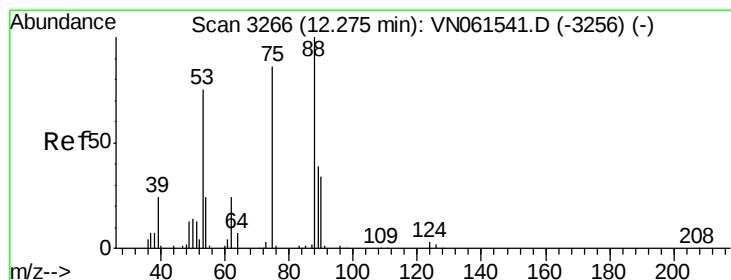
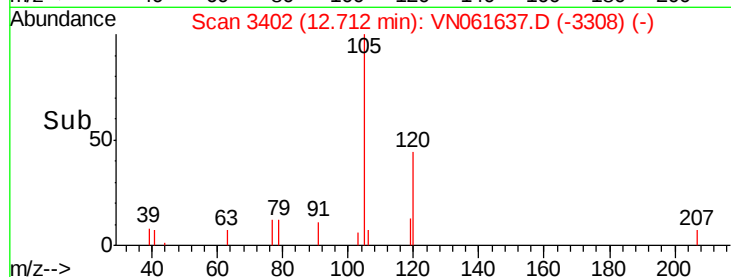
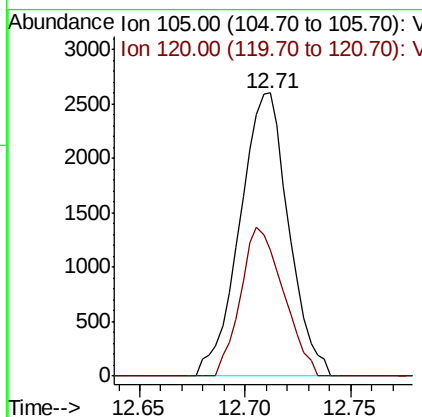
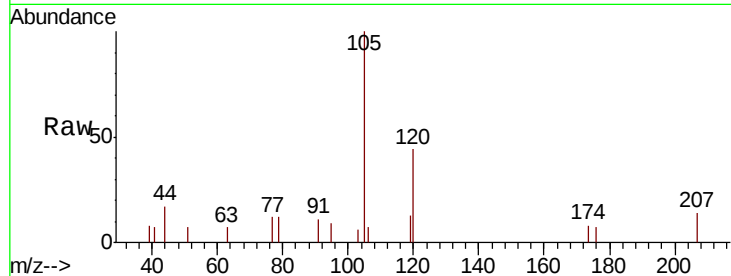




#80
 1,3,5-Trimethylbenzene
 Concen: 0.318 ug/l
 RT: 12.71 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129264TB

Tot Ion:105 Resp: 4192
 Ion Ratio Lower Upper
 105 100
 120 46.0 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.756 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061637.D
 Acq: 3 Jun 2020 14:45

Tgt Ion: 75 Resp: 105768
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

