

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061603.D
 Acq On : 1 Jun 2020 18:29
 Operator : JC/MD
 Sample : L2822-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C0AP6

Quant Time: Jun 02 03:56:38 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	279091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	508818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	508836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	231340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	175746	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.55	113	136280	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.06	98	623887	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.38	95	231349	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

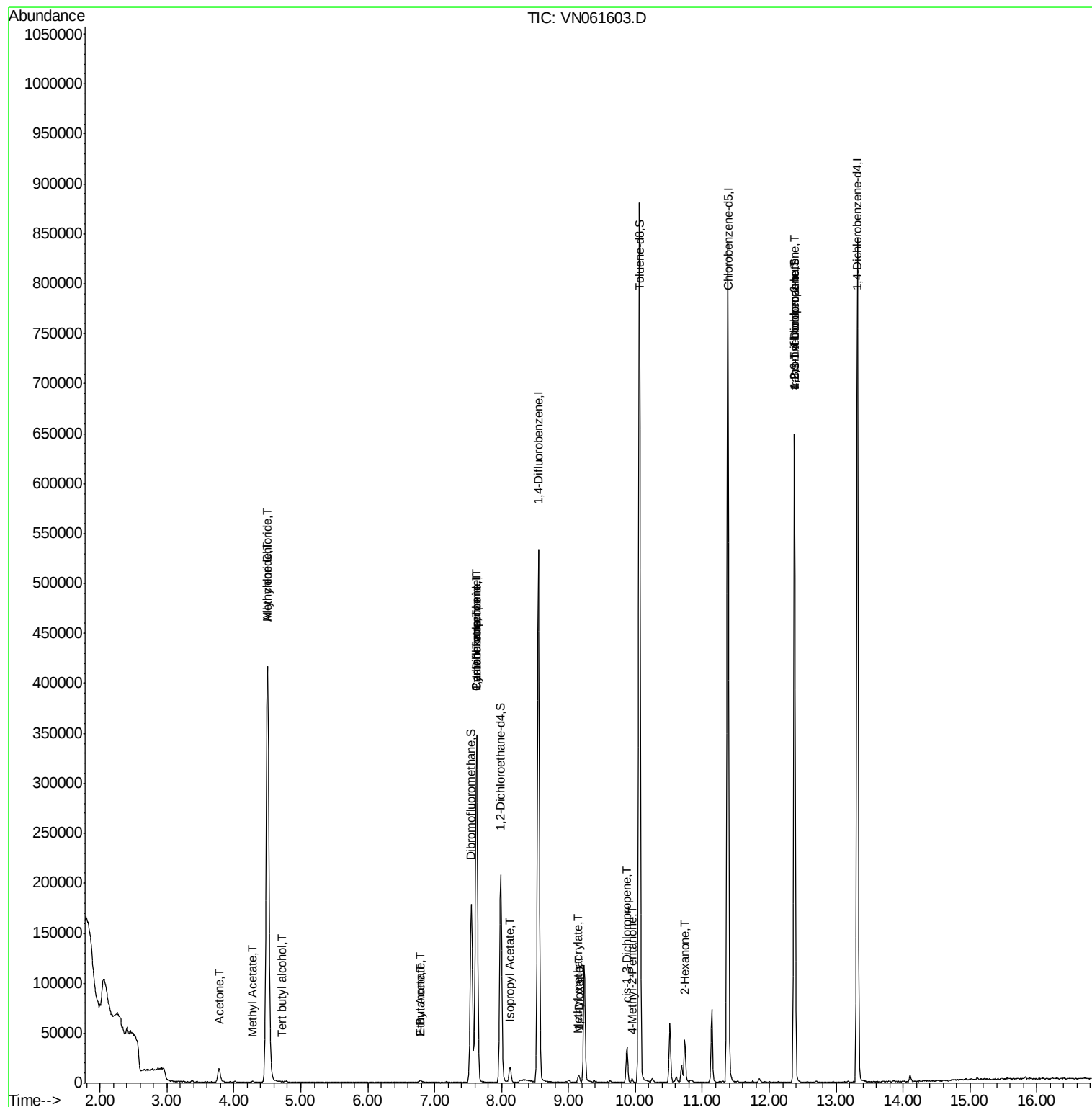
						Qvalue
11) Tert butyl alcohol	4.73	59	91	0.206	ug/l #	72
14) Allyl chloride	4.51	41	8969	2.406	ug/l #	21
16) Acetone	3.78	43	22531	18.853	ug/l	95
18) Methyl Acetate	4.29	43	1558	0.518	ug/l #	62
20) Methylene Chloride	4.50	84	343494	115.946	ug/l	98
25) 2-Butanone	6.79	43	2317	1.470	ug/l #	88
28) Bromochloromethane	7.14	49	29	Below Cal	#	1
31) Cyclohexane	7.62	56	5445	1.162	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	20894	4.639	ug/l #	48
37) Ethyl Acetate	6.79	43	2317	0.639	ug/l #	66
38) Carbon Tetrachloride	7.63	117	28832	6.636	ug/l #	18
43) Isopropyl Acetate	8.12	43	17744	2.719	ug/l #	91
48) Methyl methacrylate	9.13	41	1350	0.460	ug/l #	5
49) 1,4-Dioxane	9.16	88	60	1.319	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	2317	0.630	ug/l #	85
54) cis-1,3-Dichloropropene	9.87	75	6900	1.188	ug/l #	68
59) 2-Hexanone	10.74	43	5613	2.125	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	115669	27.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115669	70.316	ug/l #	15

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

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Quant Time: Jun 02 03:56:38 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# 1820

Delta R.T. -0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

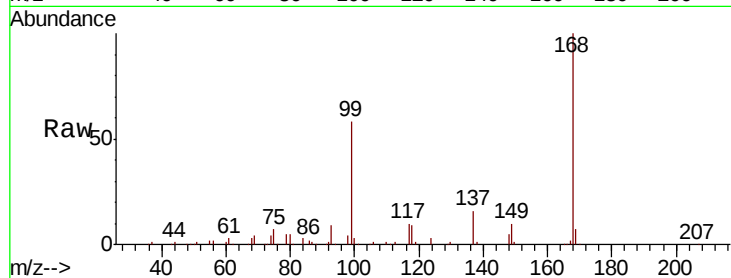
C0AP6

Tot Ion:168 Resp: 279091

Ion Ratio Lower Upper

168 100

99 58.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

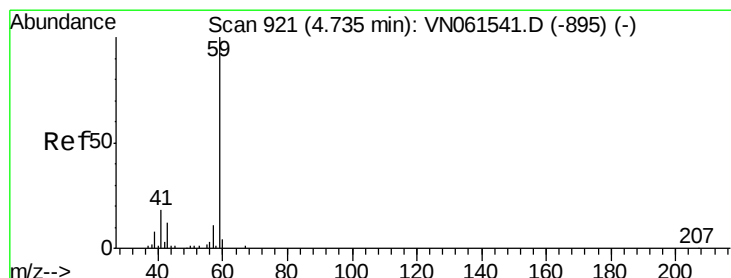
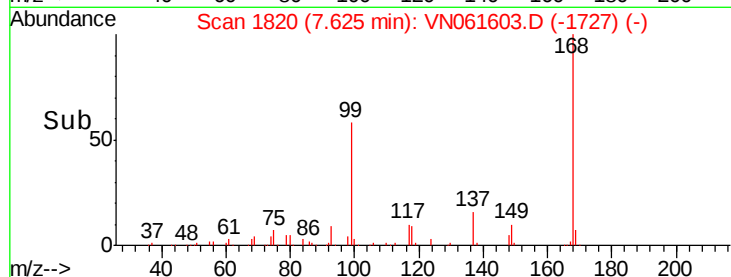
7.63

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.206 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN061603.D

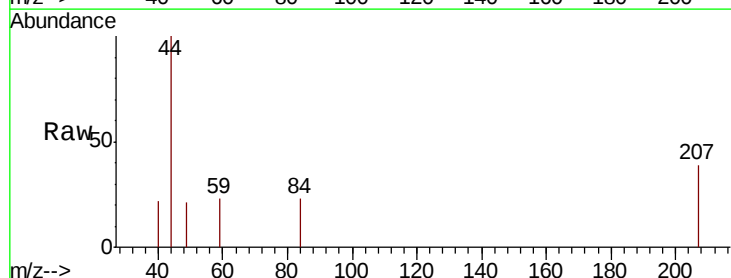
Acq: 1 Jun 2020 18:29

Tgt Ion: 59 Resp: 91

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

200

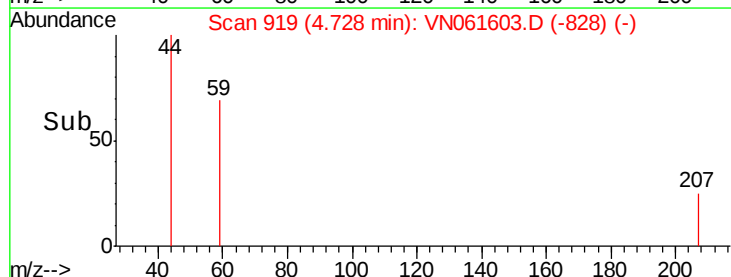
150

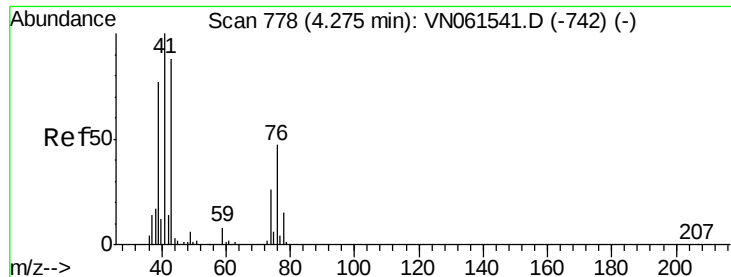
100

50

0

Time--> 4.72 4.73 4.74

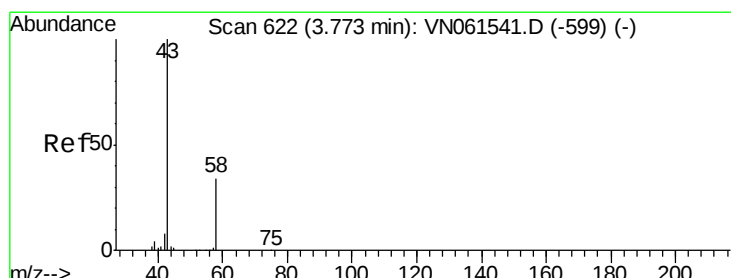
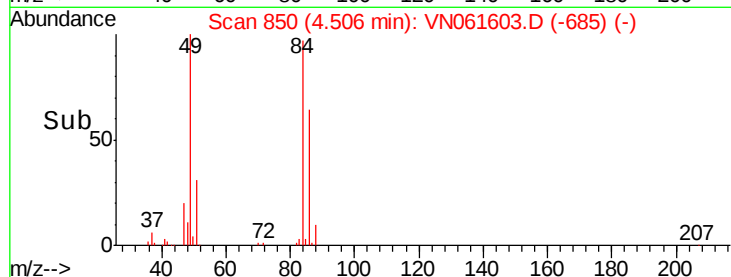
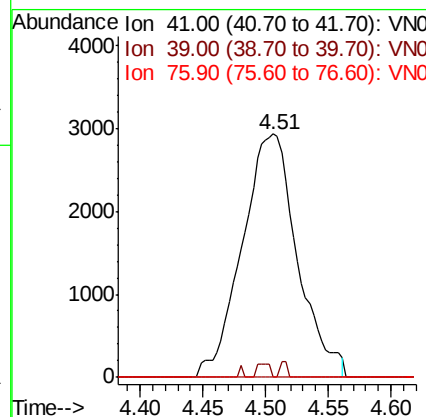
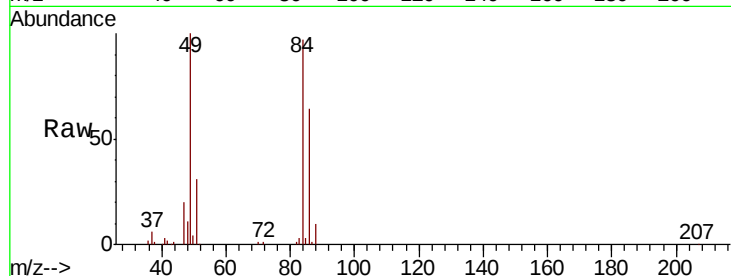




#14
Allvl chloride
Concen: 2.406 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.23 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

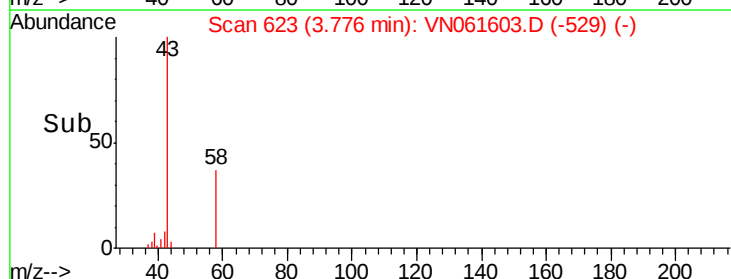
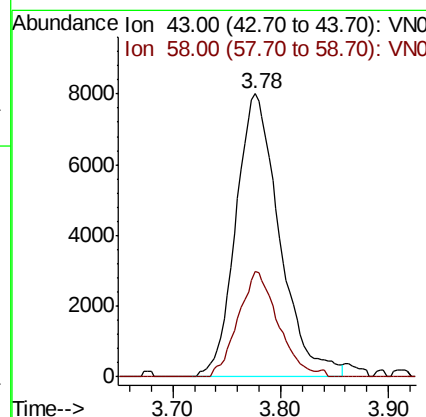
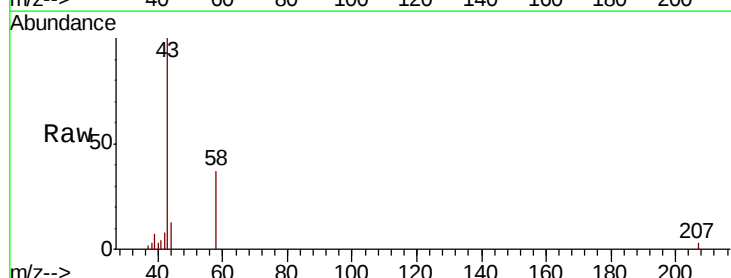
Instrument :
MSVOA_N
ClientSampleId :
C0AP6

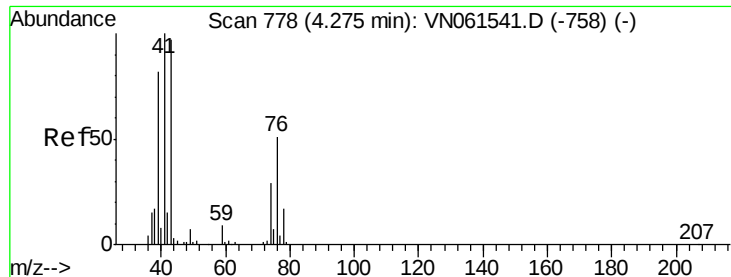
Tot Ion: 41 Resp: 8969
Ion Ratio Lower Upper
41 100
39 0.8 58.6 88.0#
76 0.0 34.2 51.4#



#16
Acetone
Concen: 18.853 ug/l
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Tgt Ion: 43 Resp: 22531
Ion Ratio Lower Upper
43 100
58 37.1 27.2 40.8

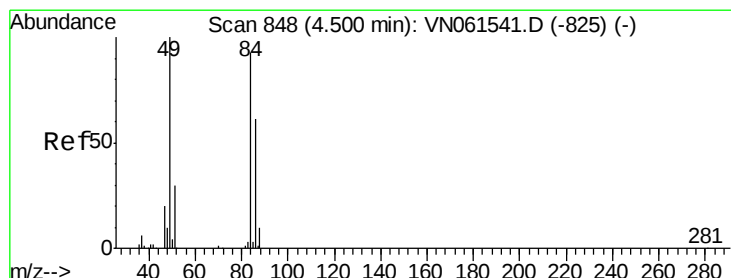
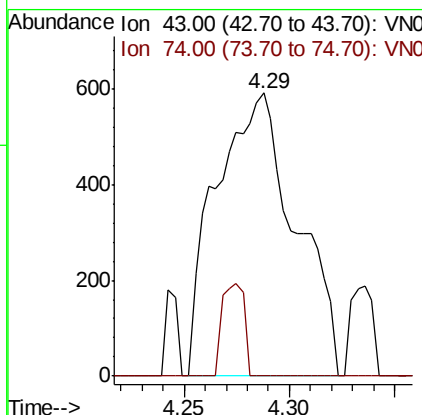
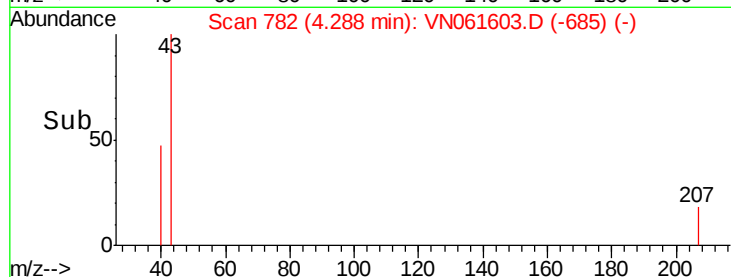
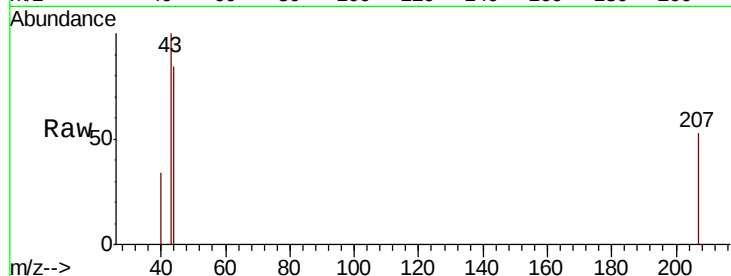




#18
Methvl Acetate
Concen: 0.518 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

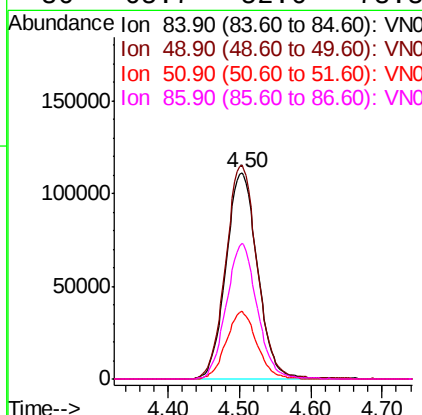
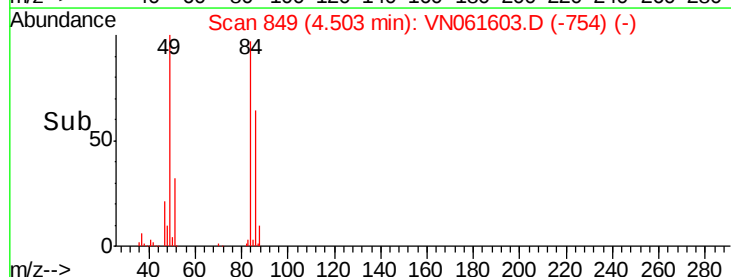
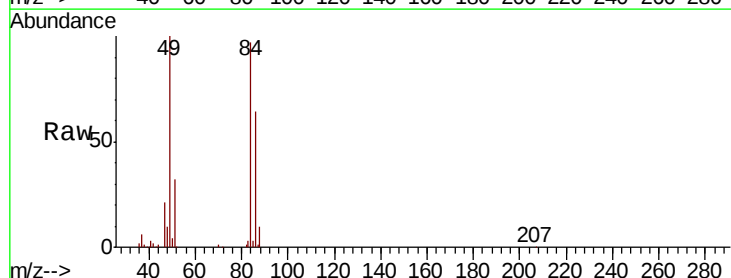
Instrument :
MSVOA_N
ClientSampleId :
C0AP6

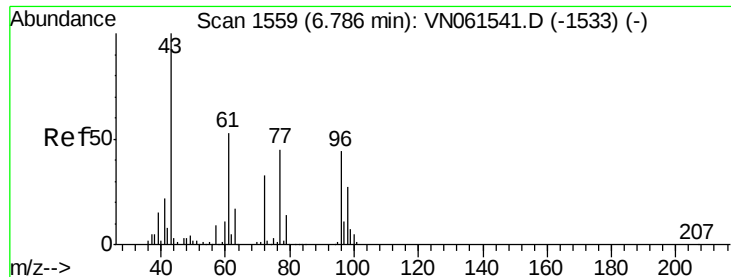
Tot Ion: 43 Resp: 1558
Ion Ratio Lower Upper
43 100
74 8.9 23.2 34.8#



#20
Methylene Chloride
Concen: 115.946 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Tgt Ion: 84 Resp: 343494
Ion Ratio Lower Upper
84 100
49 103.4 85.8 128.8
51 33.0 26.2 39.2
86 65.7 52.6 78.8





#25

2-Butanone

Concen: 1.470 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampled :

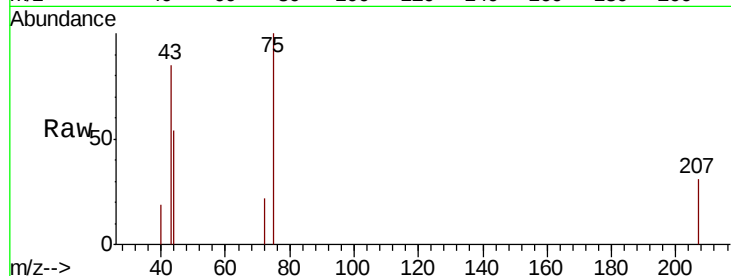
C0AP6

Tot Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

72 25.9 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

800

600

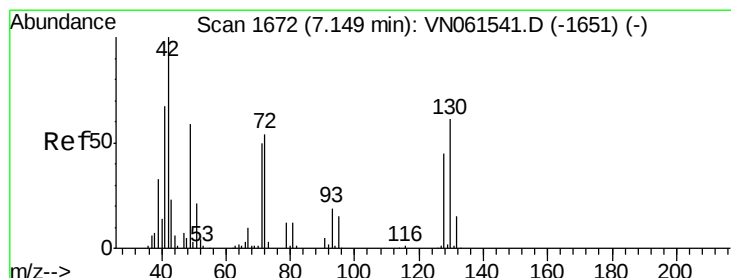
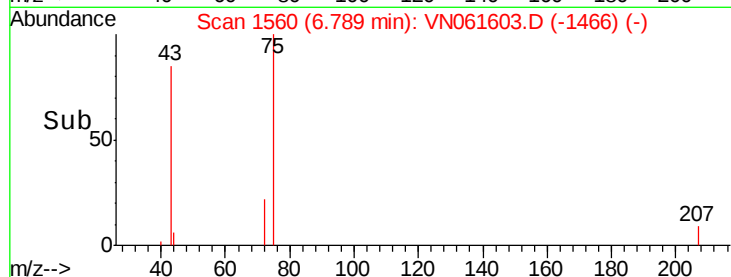
400

200

0

6.75 6.80 6.85

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

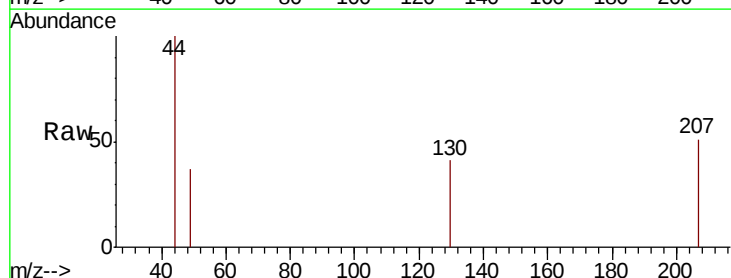
Tgt Ion: 49 Resp: 29

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 334.5 78.8 118.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

250

200

150

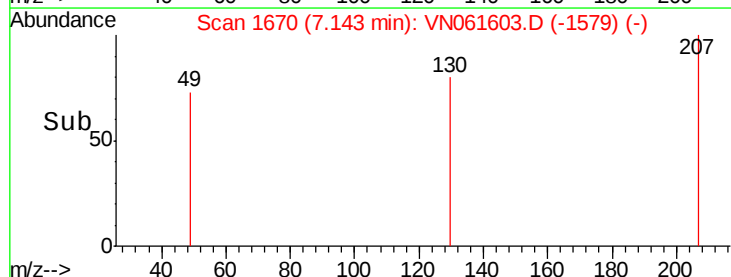
100

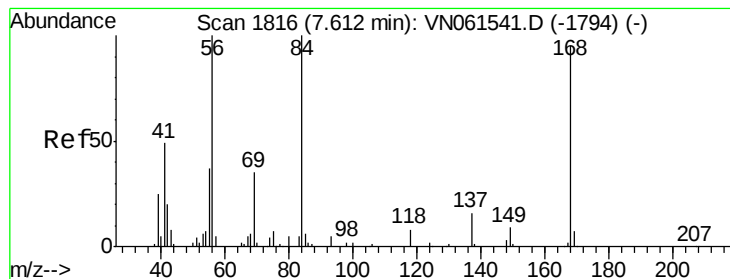
50

0

7.13 7.13 7.14 7.14 7.15

Time-->





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampled :

C0AP6

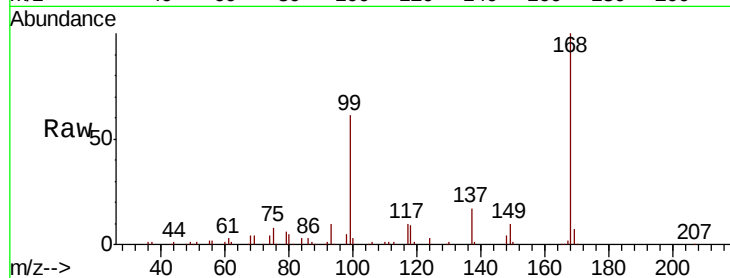
Tot Ion: 56 Resp: 5445

Ion Ratio Lower Upper

56 100

69 176.3 27.8 41.8#

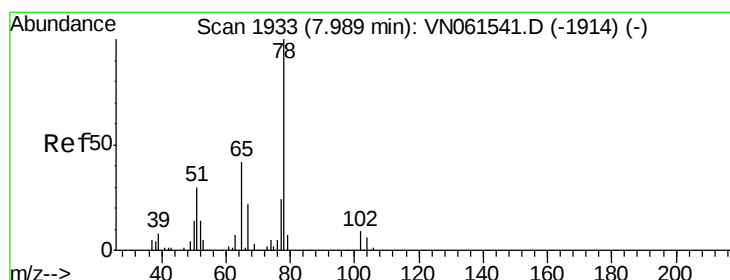
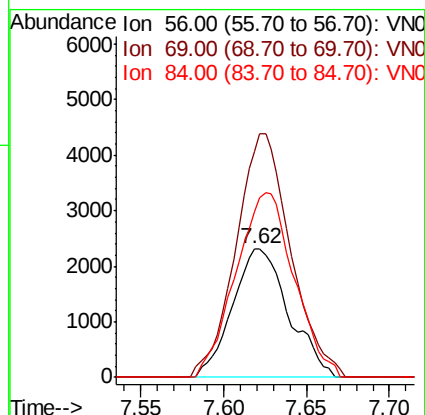
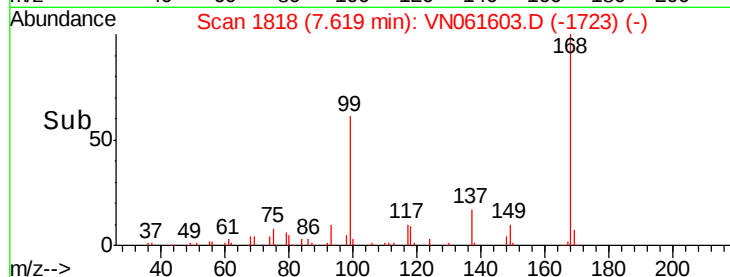
84 129.2 79.9 119.9#



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: 52.853 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061603.D

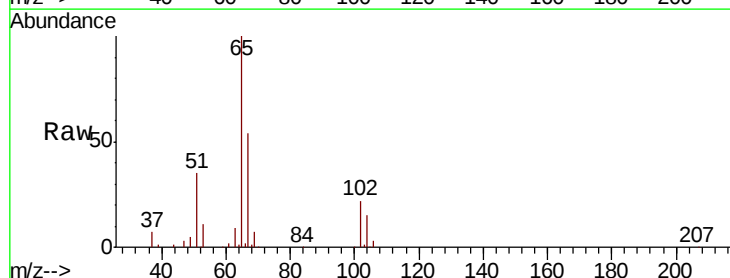
Acq: 1 Jun 2020 18:29

Tgt Ion: 65 Resp: 175746

Ion Ratio Lower Upper

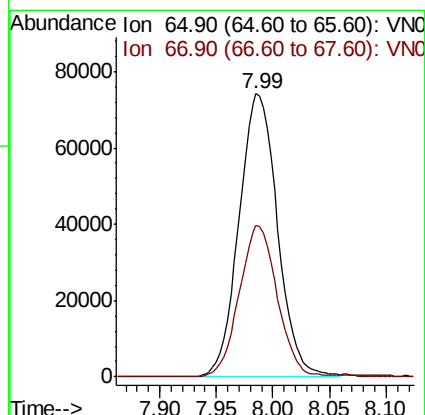
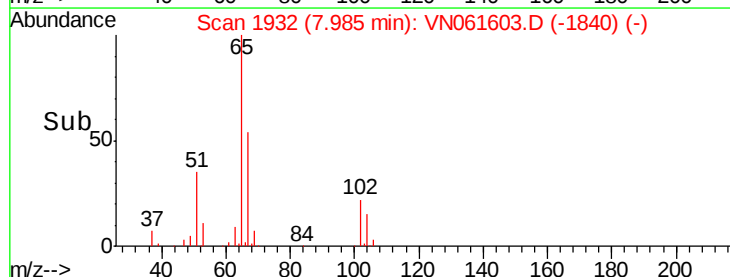
65 100

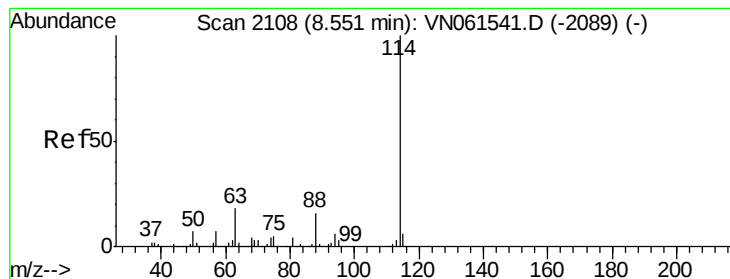
67 52.8 0.0 104.8



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: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

C0AP6

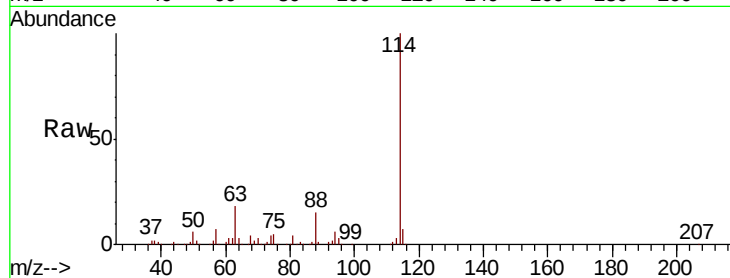
Tot Ion:114 Resp: 508818

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.8

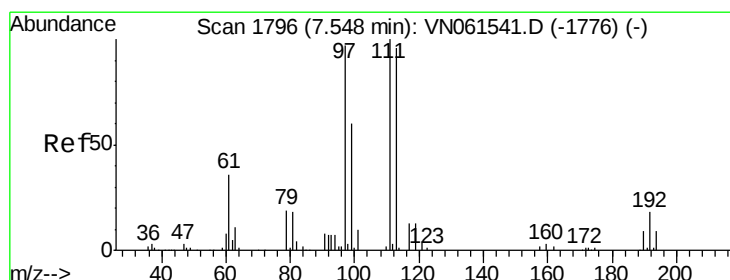
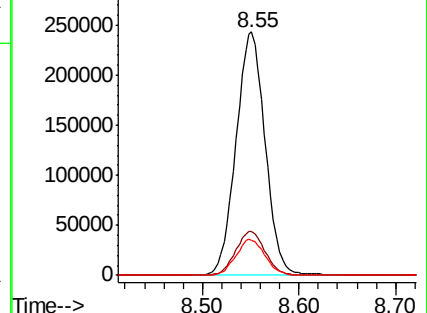
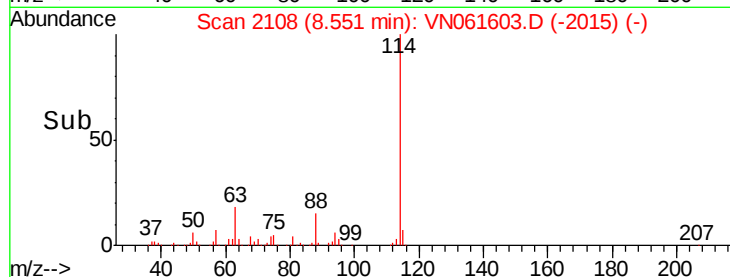
88 14.5 0.0 31.0



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: 52.798 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

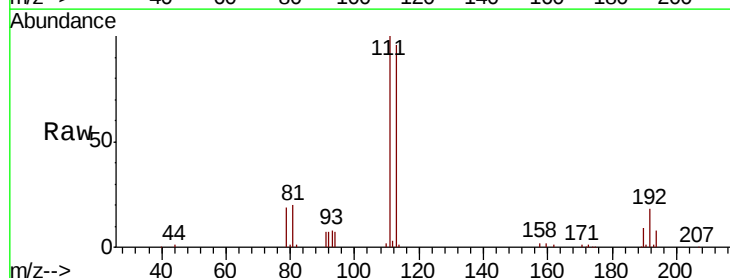
Tgt Ion:113 Resp: 136280

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

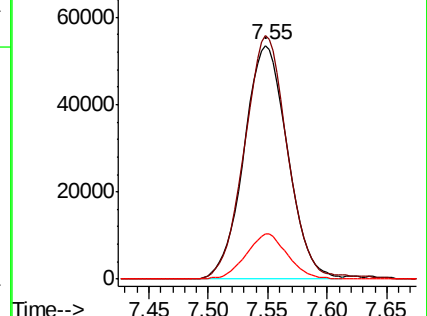
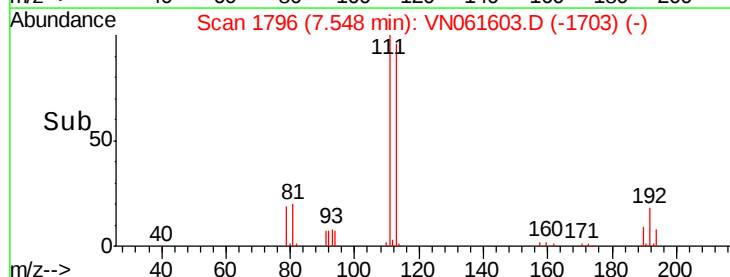
192 18.3 15.4 23.2

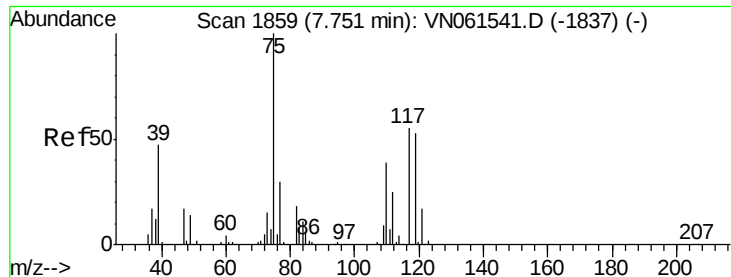


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

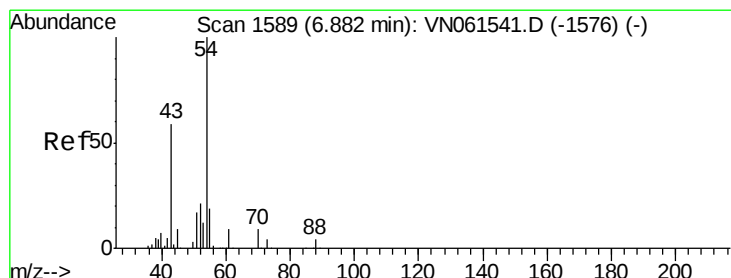
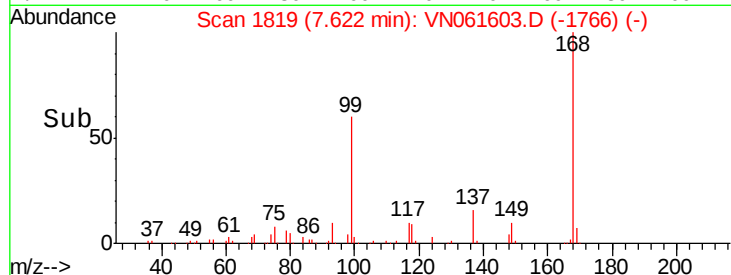
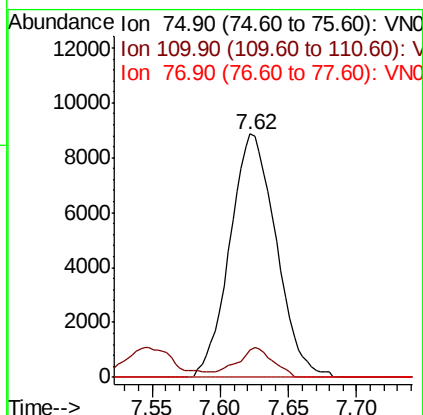
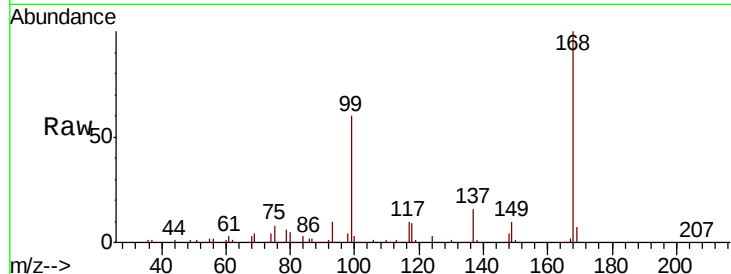




#36
 1,1-Dichloropropene
 Concen: 4.639 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061603.D
 Acq: 1 Jun 2020 18:29

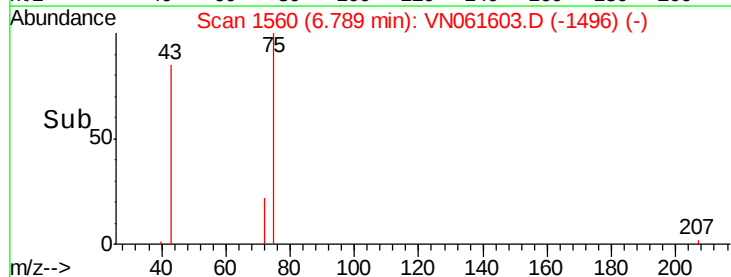
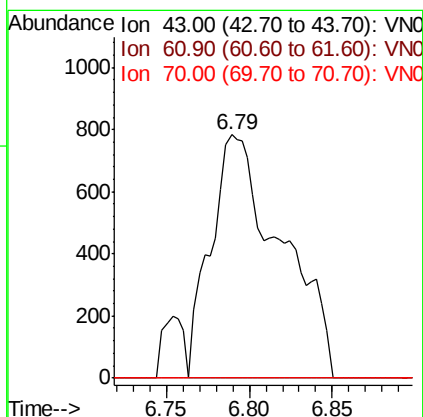
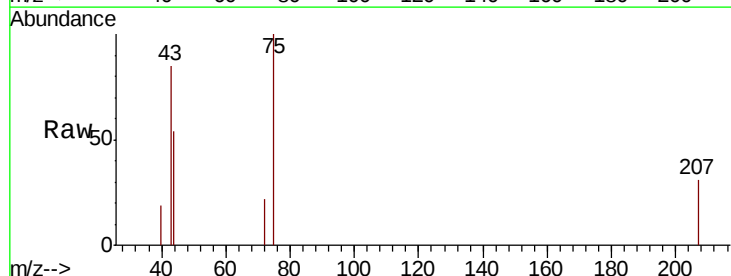
Instrument :
 MSVOA_N
 ClientSampled :
 C0AP6

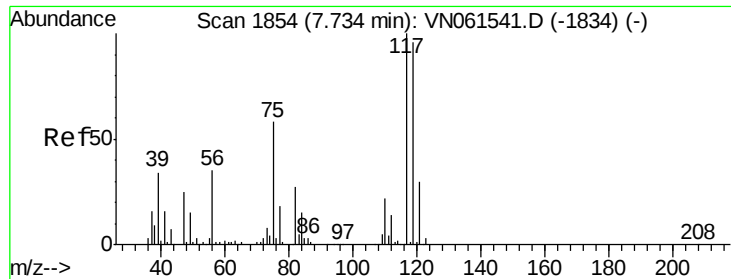
Tot Ion: 75 Resp: 20894
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.639 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN061603.D
 Acq: 1 Jun 2020 18:29

Tgt Ion: 43 Resp: 2317
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 6.636 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

C0AP6

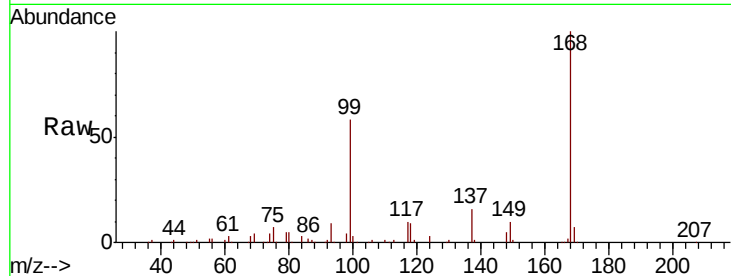
Tot Ion:117 Resp: 28832

Ion Ratio Lower Upper

117 100

119 7.2 76.5 114.7#

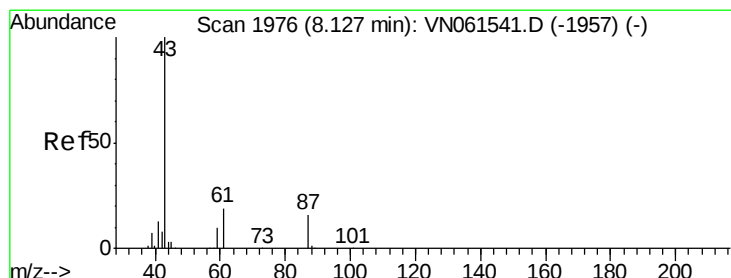
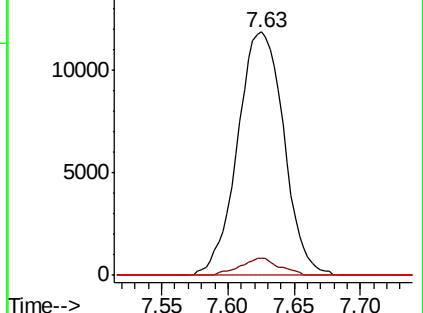
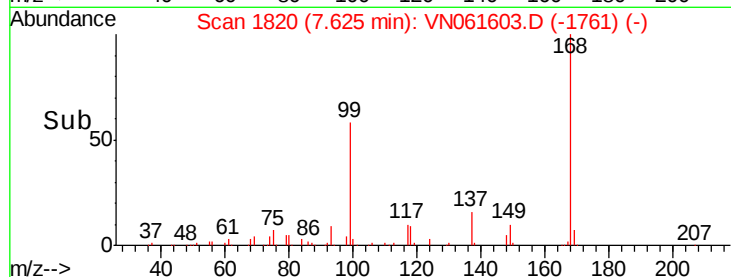
121 0.0 24.1 36.1#



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: 2.719 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

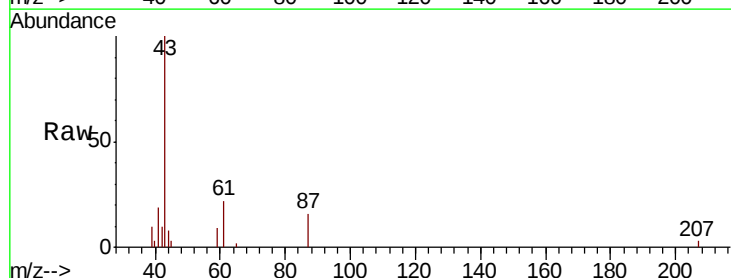
Tgt Ion: 43 Resp: 17744

Ion Ratio Lower Upper

43 100

61 22.0 23.6 35.4#

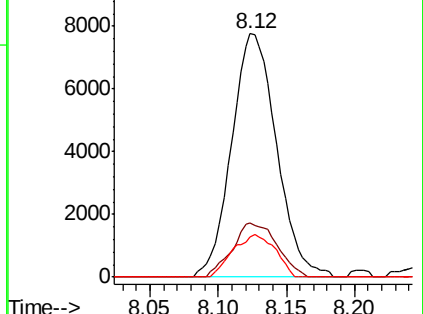
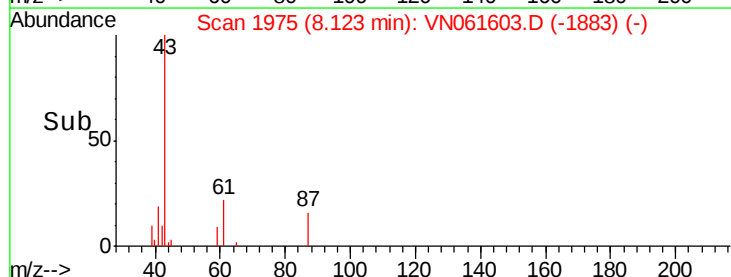
87 16.5 13.0 19.6

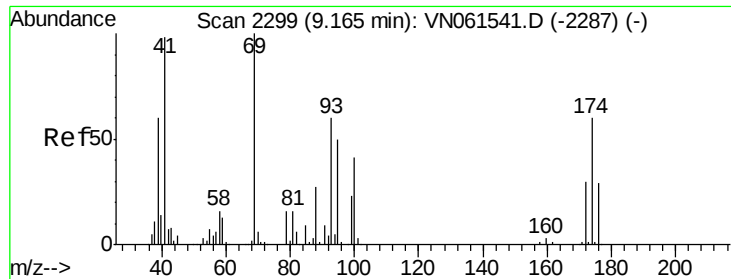


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

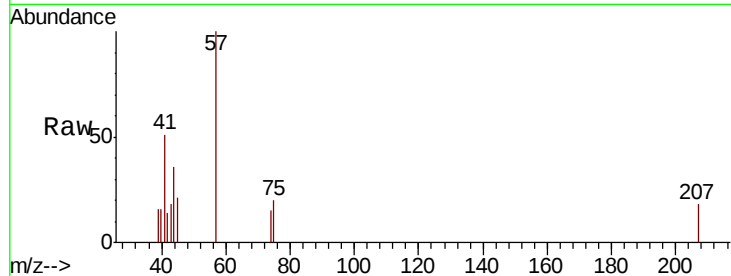




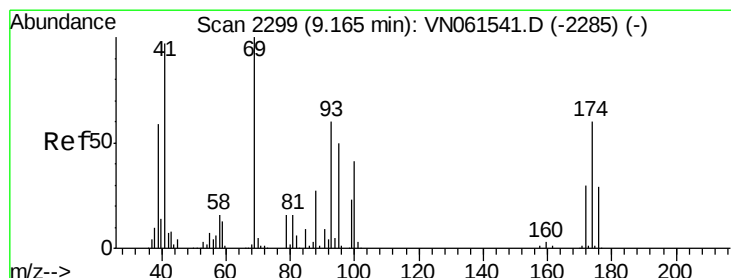
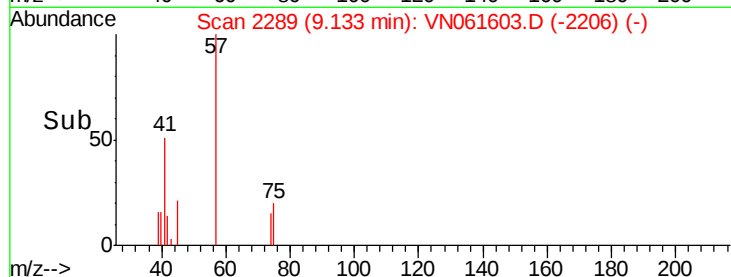
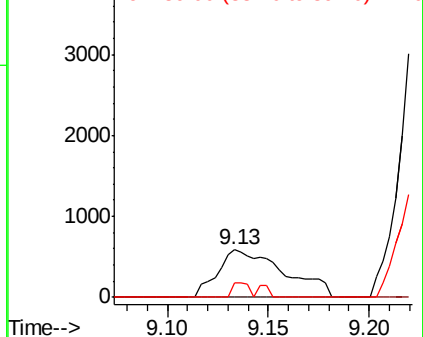
#48
Methvl methacrylate
Concen: 0.460 ug/l
RT: 9.13 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Instrument :
MSVOA_N
ClientSampleId :
C0AP6

Tot Ion: 41 Resp: 1350
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#

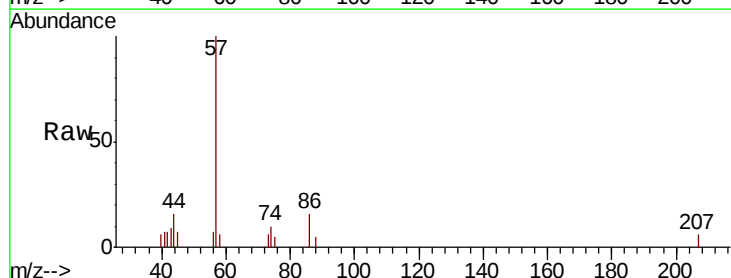


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

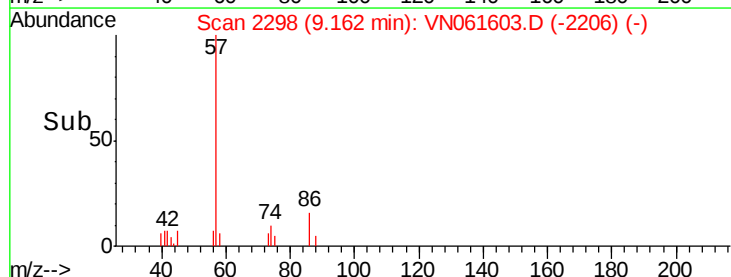
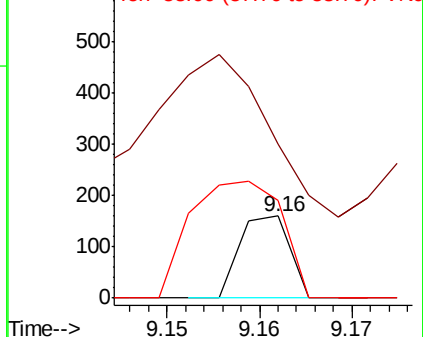


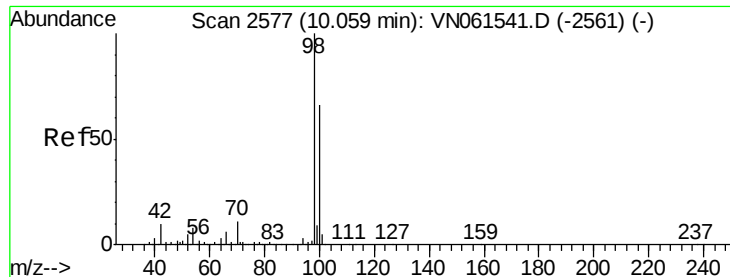
#49
1,4-Dioxane
Concen: 1.319 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 23.1 34.7#
58 260.0 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 52.159 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

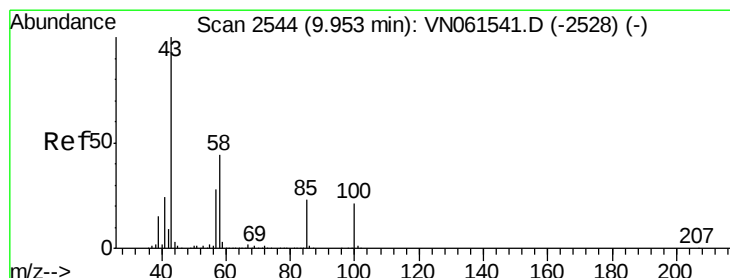
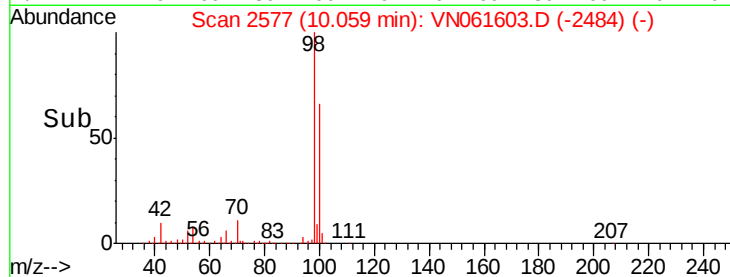
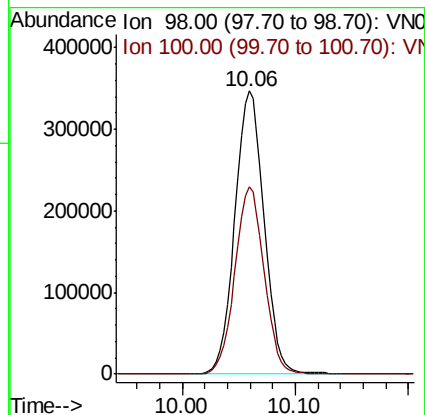
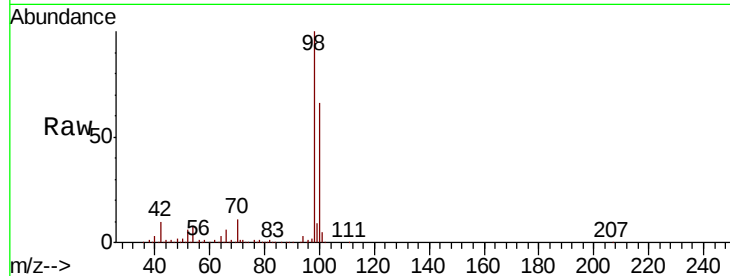
C0AP6

Tot Ion: 98 Resp: 623887

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.630 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061603.D

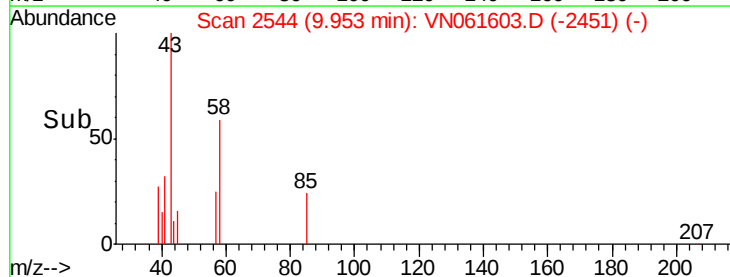
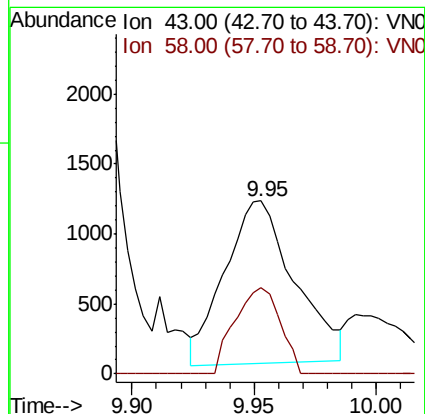
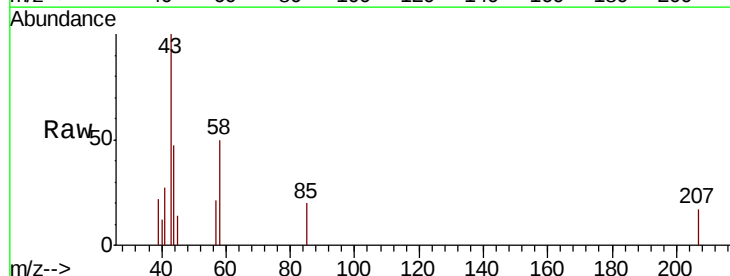
Acq: 1 Jun 2020 18:29

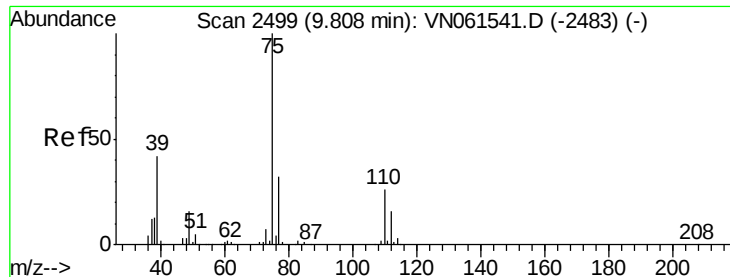
Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

58 34.4 35.0 52.6#





#54

cis-1,3-Dichloropropene

Concen: 1.188 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampled :

C0AP6

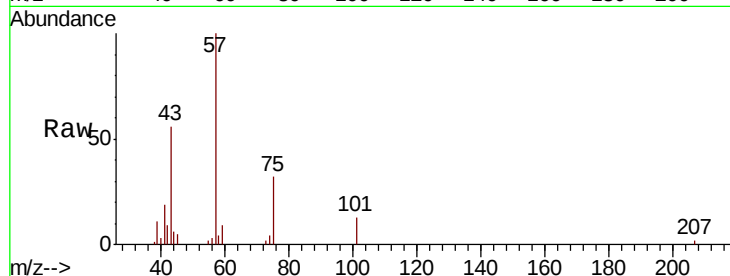
Tot Ion: 75 Resp: 6900

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

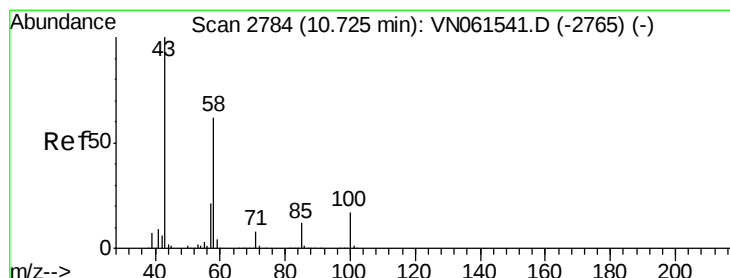
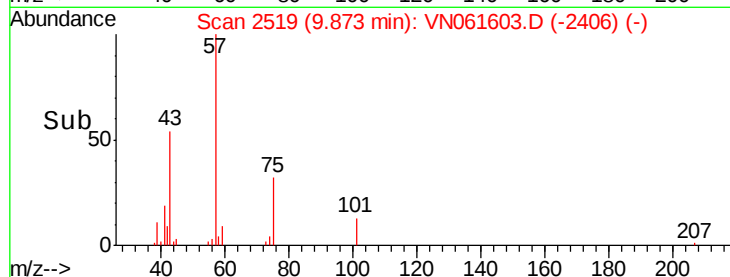
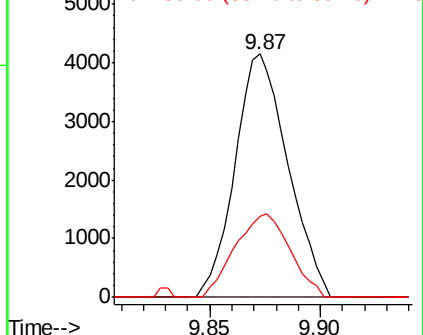
39 33.4 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN061541.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2483) (-)



#59

2-Hexanone

Concen: 2.125 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061603.D

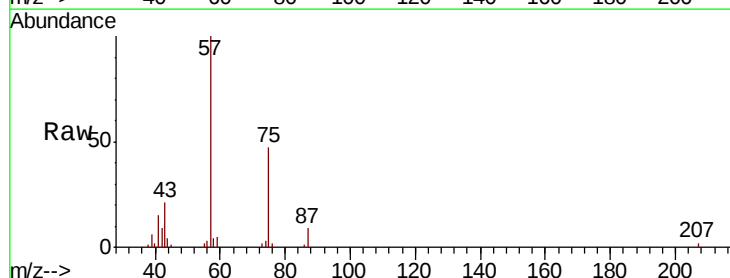
Acq: 1 Jun 2020 18:29

Tgt Ion: 43 Resp: 5613

Ion Ratio Lower Upper

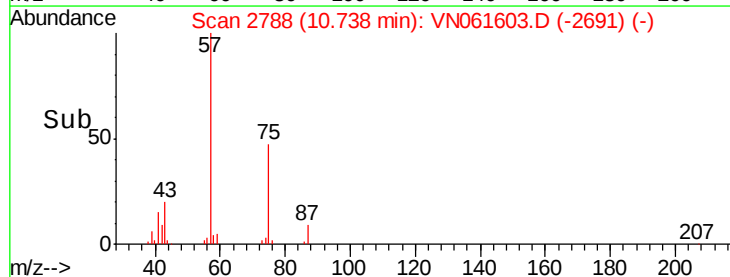
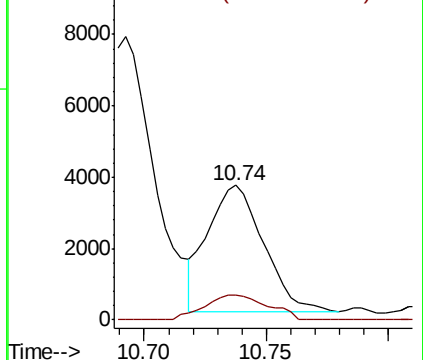
43 100

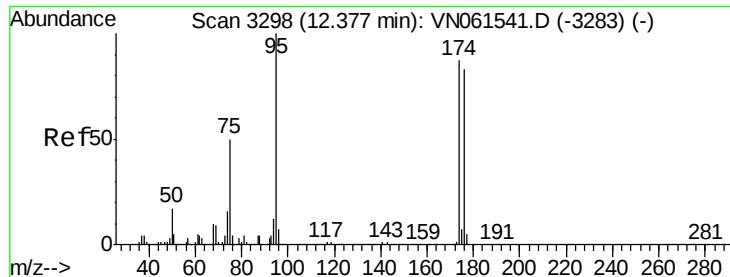
58 22.3 30.7 92.1#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2765) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2765) (-)

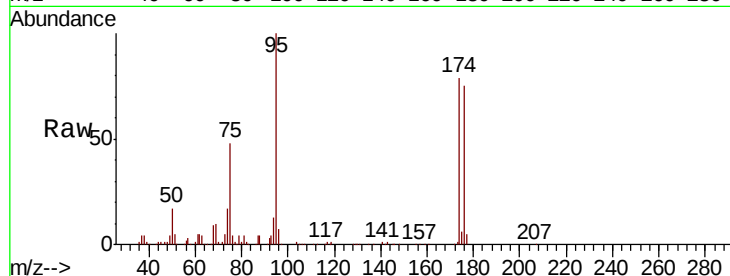




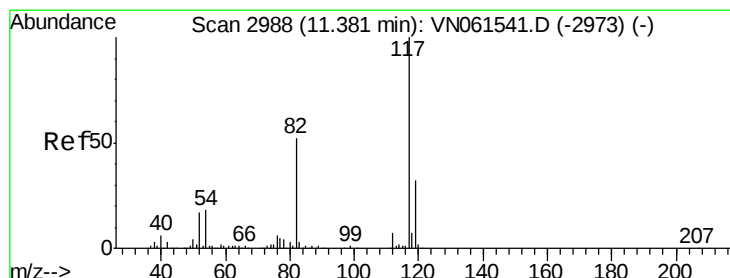
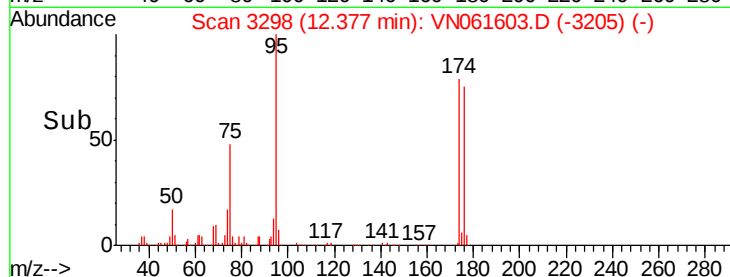
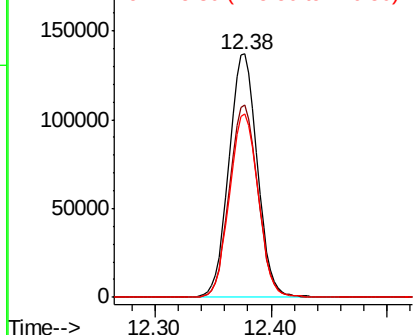
#62
4-Bromofluorobenzene
Concen: 53.014 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Instrument :
MSVOA_N
ClientSampled :
C0AP6

Tot Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	172.8
176	76.5	0.0	164.8

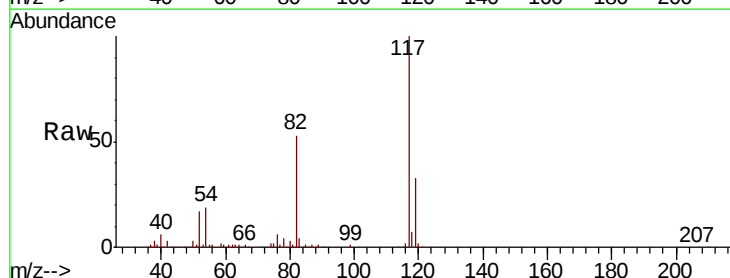


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)
Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)
Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

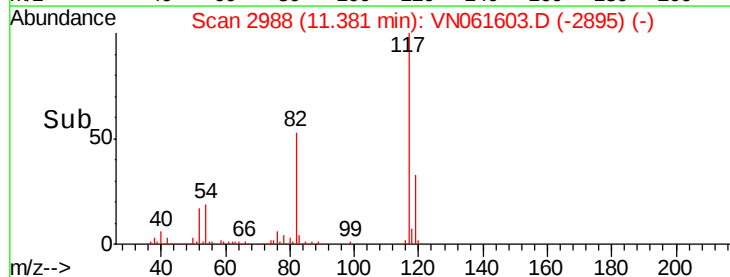
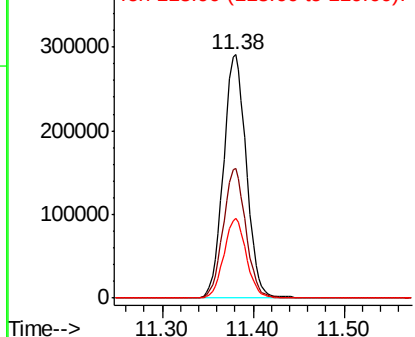


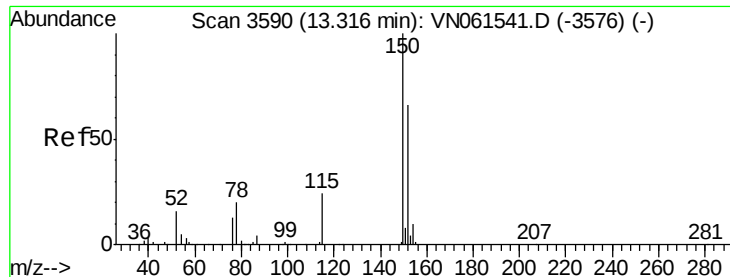
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061603.D
Acq: 1 Jun 2020 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.5	62.3
119	32.8	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) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

C0AP6

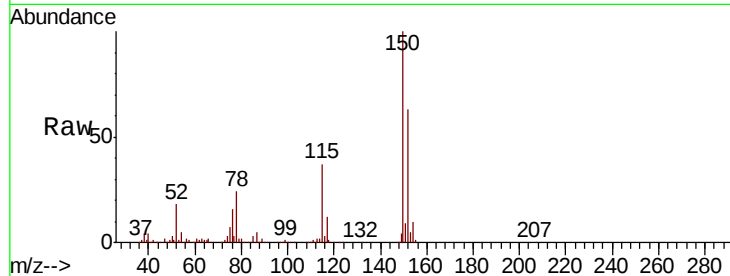
Tot Ion:152 Resp: 231340

Ion Ratio Lower Upper

152 100

115 59.5 28.0 84.0

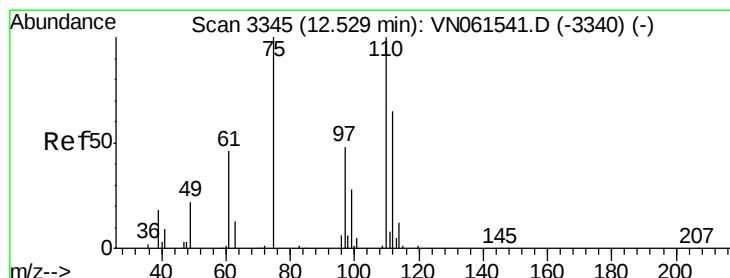
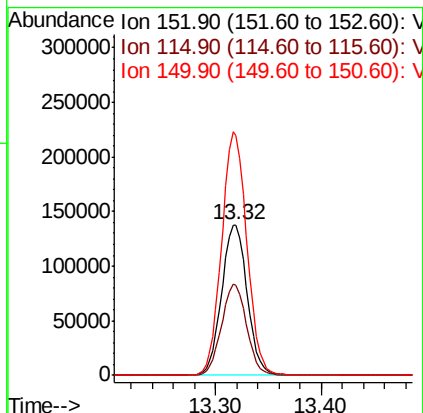
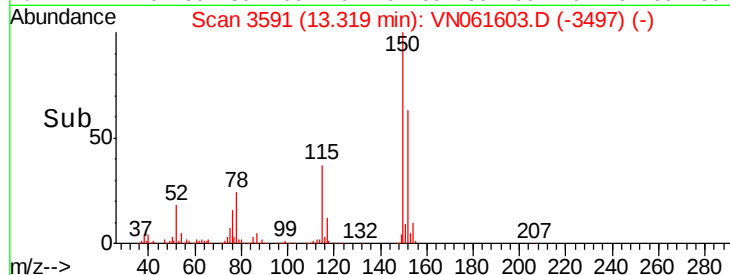
150 159.6 0.0 344.0



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



#76

1,2,3-Trichloropropane

Concen: 27.497 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061603.D

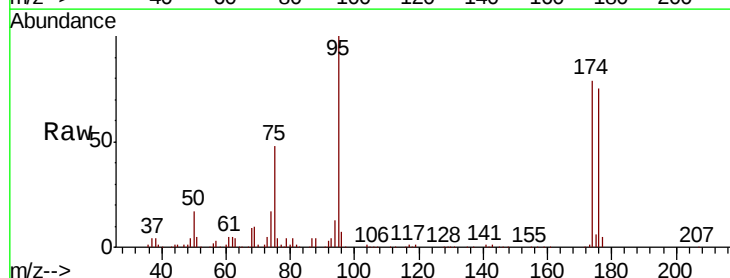
Acq: 1 Jun 2020 18:29

Tgt Ion: 75 Resp: 115669

Ion Ratio Lower Upper

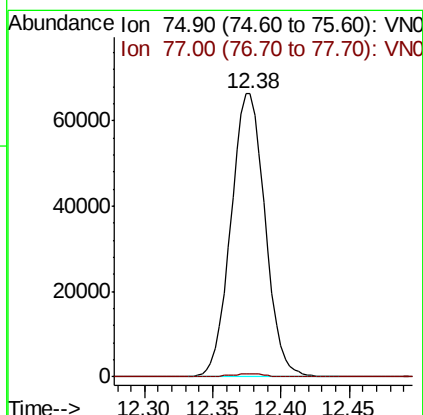
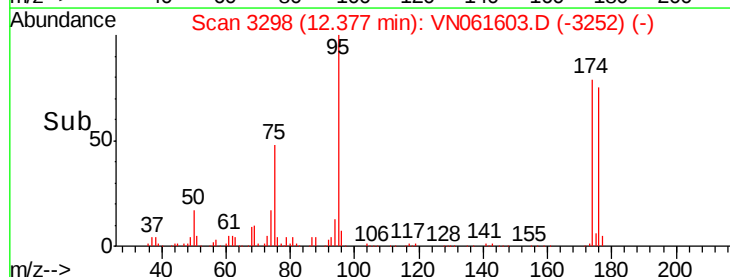
75 100

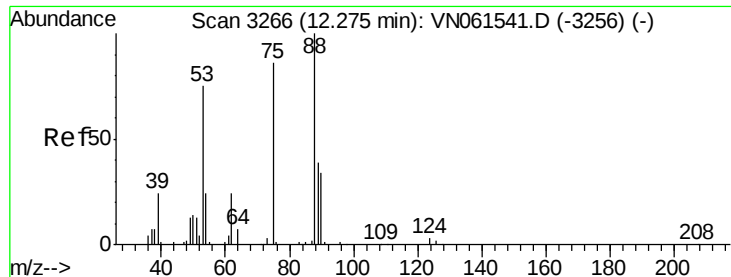
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.316 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061603.D

Acq: 1 Jun 2020 18:29

Instrument :

MSVOA_N

ClientSampleId :

C0AP6

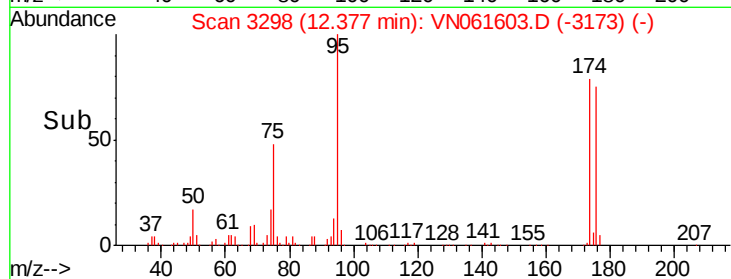
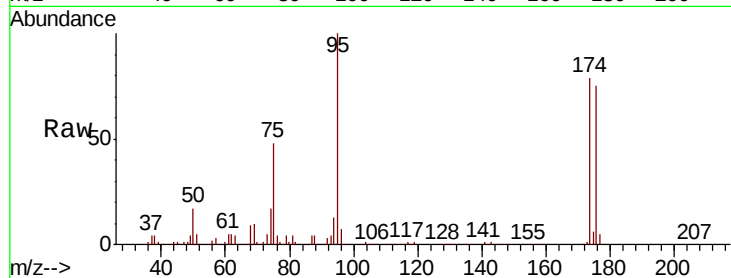
Tot Ion: 75 Resp: 115669

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

