

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062166.D
 Acq On : 27 Jun 2020 2:40
 Operator : JC/MD
 Sample : L2817-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-062420

Quant Time: Jun 27 03:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152092	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	152293	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	7.55	113	128382	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.06	98	525126	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.38	95	175413	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

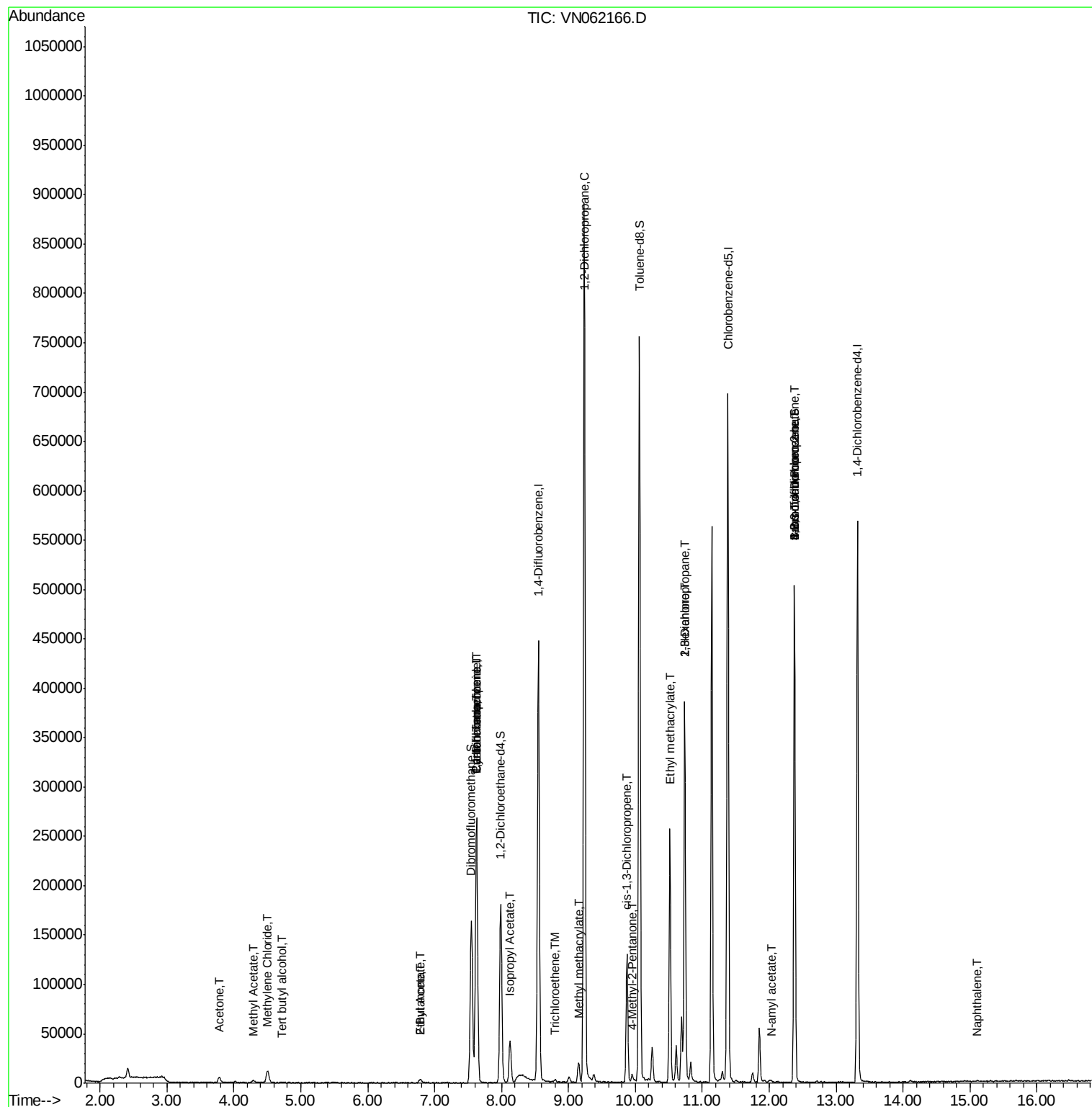
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	287	Below Cal	#	41
11) Tert butyl alcohol	4.73	59	96	0.223	ug/l #	72
16) Acetone	3.78	43	10060	6.724	ug/l	98
18) Methyl Acetate	4.28	43	4241	1.775	ug/l #	82
20) Methylene Chloride	4.51	84	9684	3.308	ug/l	95
25) 2-Butanone	6.80	43	2301	1.567	ug/l	96
31) Cyclohexane	7.62	56	4904	1.181	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	18041	4.422	ug/l #	48
37) Ethyl Acetate	6.80	43	2301	0.681	ug/l #	53
38) Carbon Tetrachloride	7.63	117	21690	5.639	ug/l #	15
43) Isopropyl Acetate	8.13	43	49134	8.922	ug/l	99
44) Trichloroethene	8.80	130	917	0.292	ug/l	96
45) 1,2-Dichloropropane	9.24	63	1216	0.396	ug/l #	43
48) Methyl methacrylate	9.14	41	2587	1.048	ug/l #	6
51) 4-Methyl-2-Pentanone	9.96	43	3866	1.201	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	24447	4.970	ug/l #	66
56) Ethyl methacrylate	10.51	69	985	0.247	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4095	0.798	ug/l #	42
59) 2-Hexanone	10.74	43	51103	21.994	ug/l #	51
71) Bromoform	12.38	173	1577	0.719	ug/l #	1
74) N-amyl acetate	12.04	43	517	3.454	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	88353	24.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	88353	72.066	ug/l #	13
95) Naphthalene	15.11	128	650	4.077	ug/l #	69

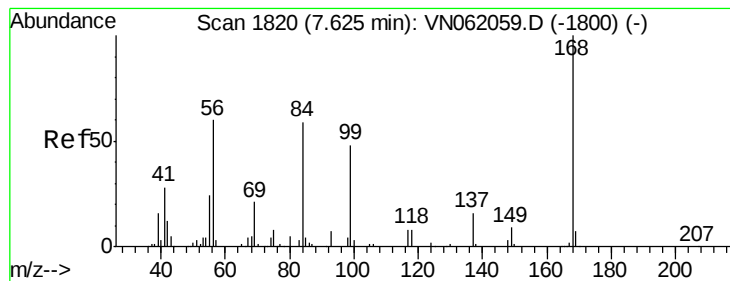
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampleId :

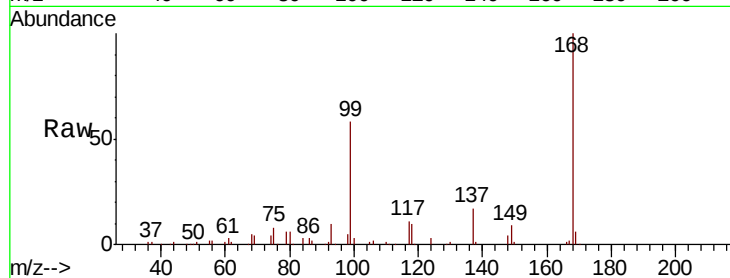
SU-01-062420

Tot Ion:168 Resp: 214131

Ion Ratio Lower Upper

168 100

99 58.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

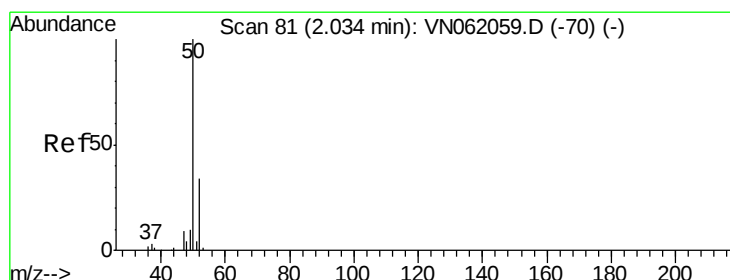
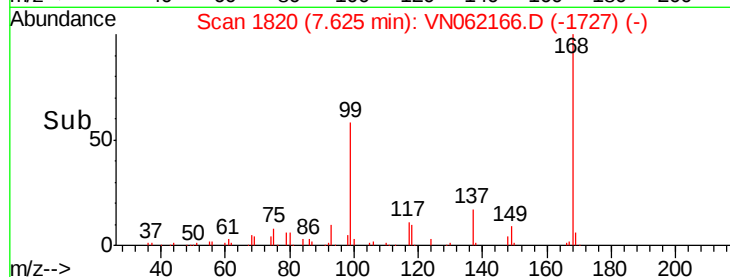
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062166.D

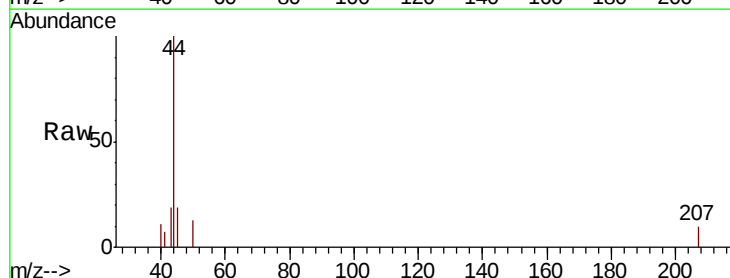
Acq: 27 Jun 2020 2:40

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

300

250

200

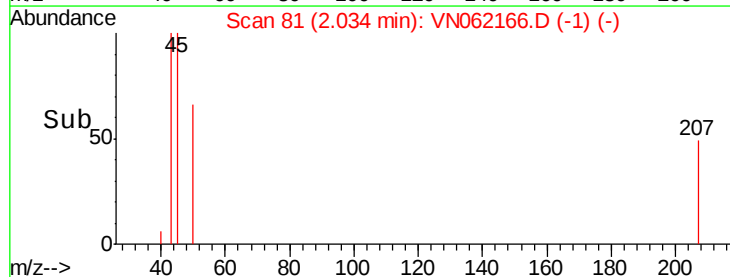
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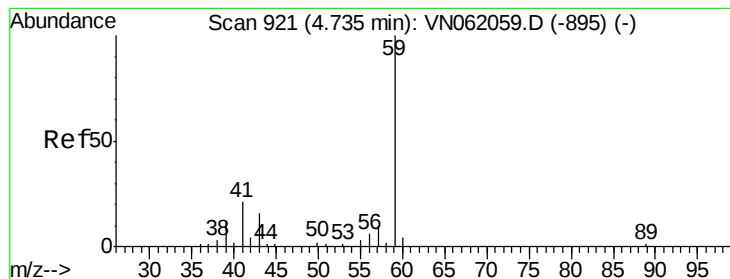
100

50

0

Time--> 2.02 2.04 2.06



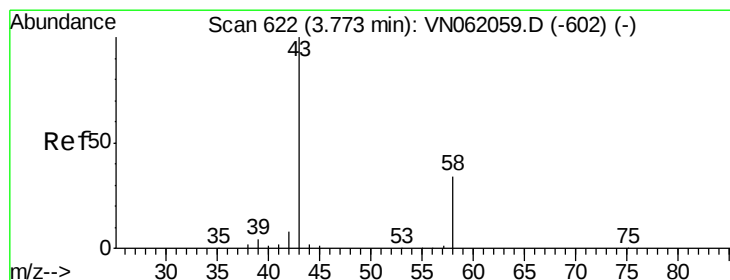
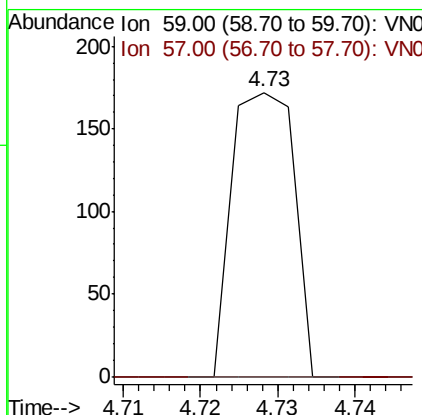
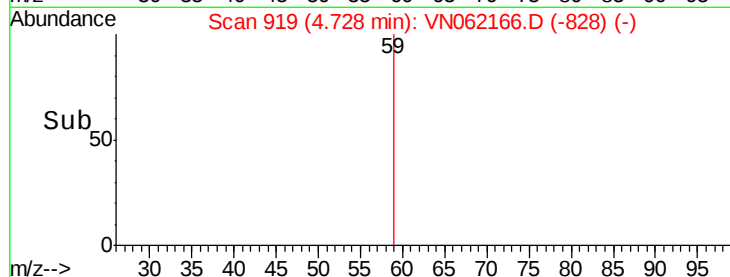
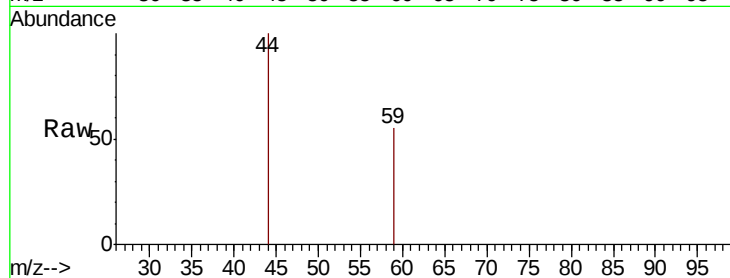


#11

Tert butyl alcohol
 Concen: 0.223 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Instrument :
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 ClientSampleId :
 SU-01-062420

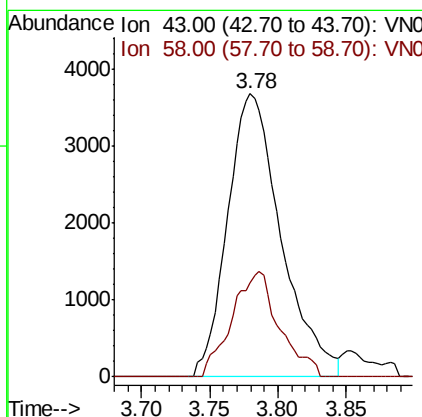
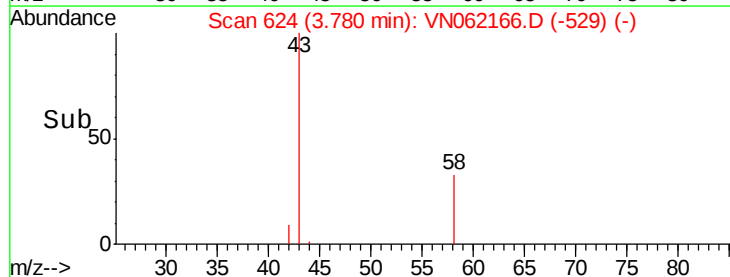
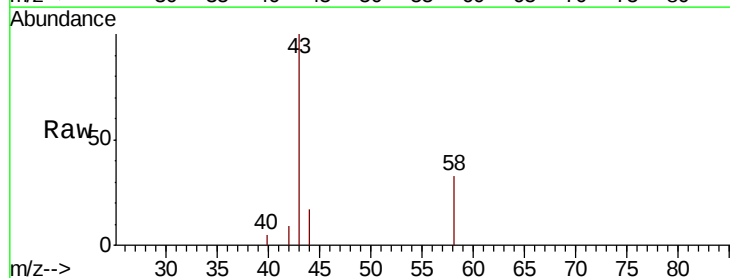
Tot Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16

Acetone
 Concen: 6.724 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Tgt Ion: 43 Resp: 10060
 Ion Ratio Lower Upper
 43 100
 58 33.4 27.5 41.3

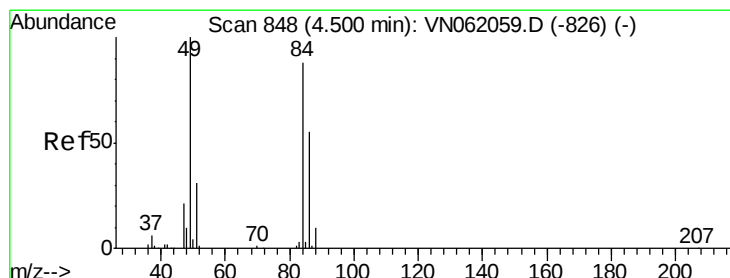
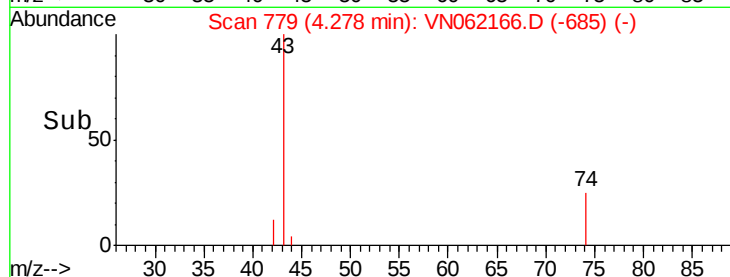
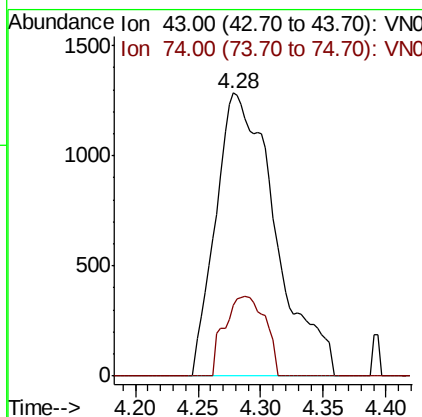
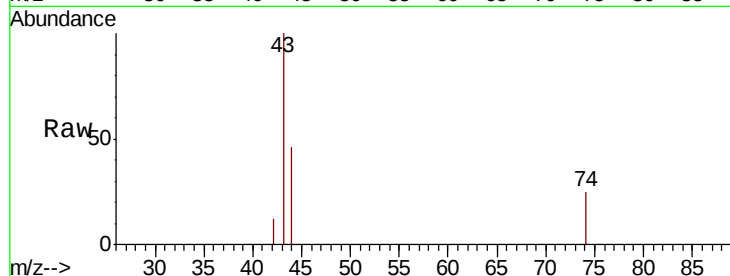




#18
Methyl Acetate
Concen: 1.775 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

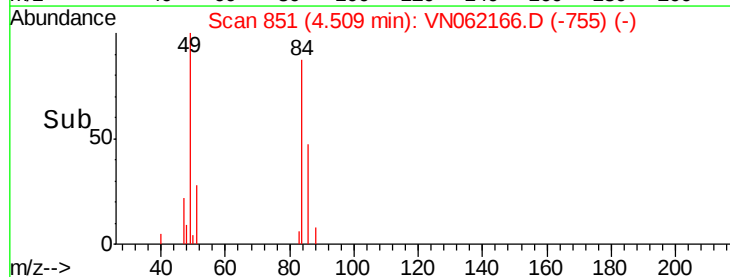
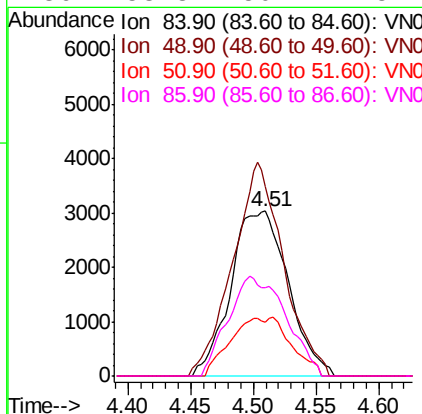
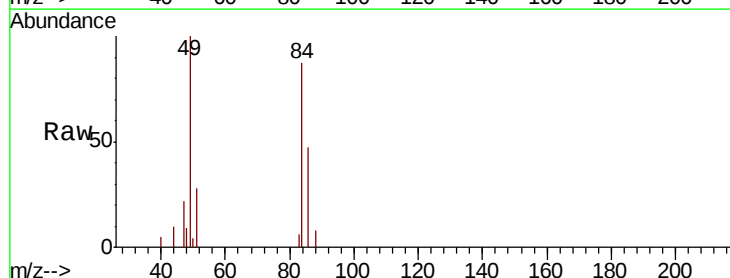
Instrument :
MSVOA_N
ClientSampled :
SU-01-062420

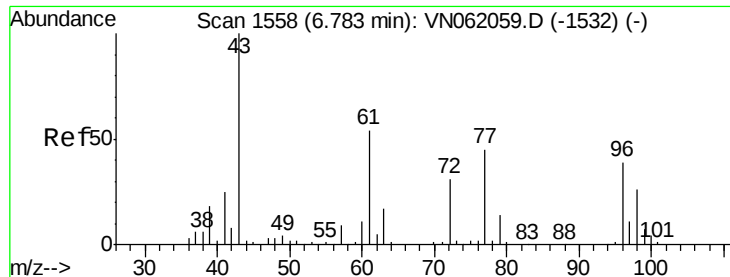
Tot Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
74 19.1 22.9 34.3#



#20
Methylene Chloride
Concen: 3.308 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

Tgt Ion: 84 Resp: 9684
Ion Ratio Lower Upper
84 100
49 115.2 90.6 136.0
51 32.8 27.8 41.8
86 53.8 50.1 75.1

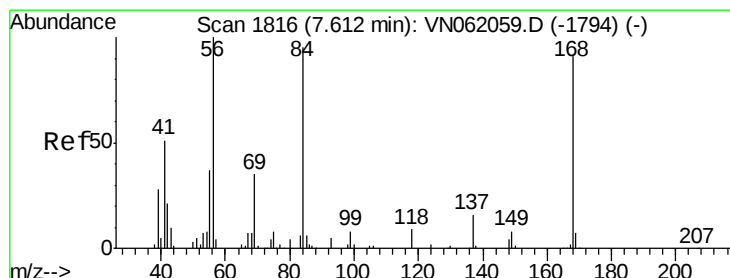
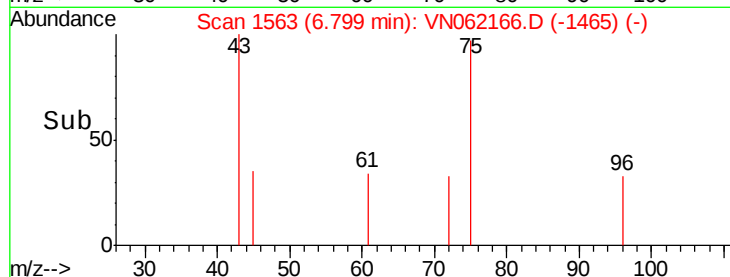
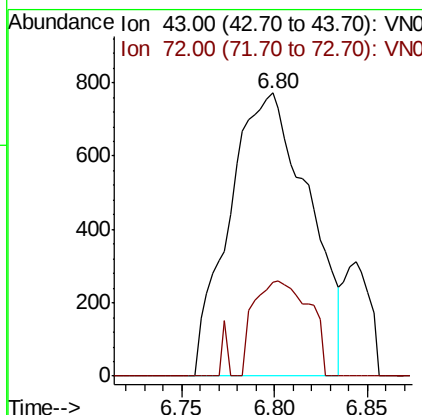
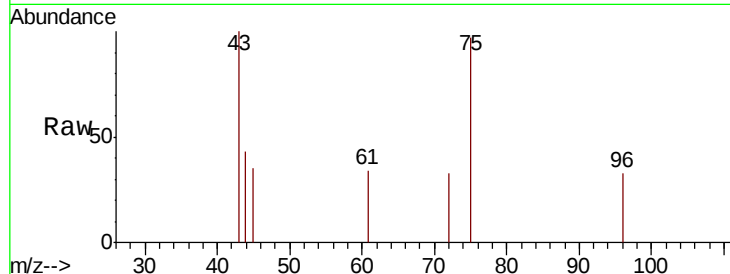




#25
2-Butanone
Concen: 1.567 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

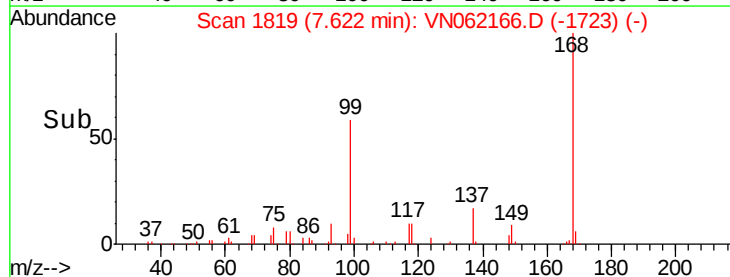
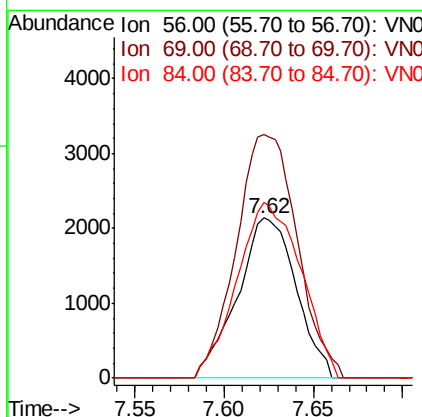
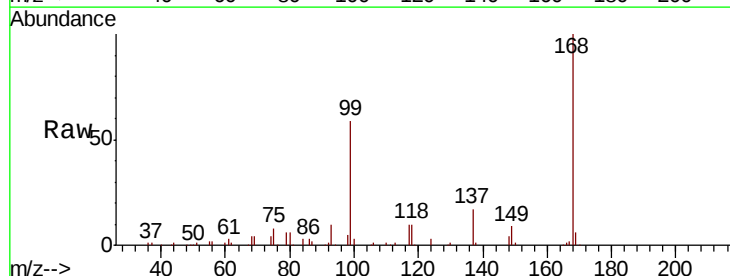
Instrument :
MSVOA_N
ClientSampled :
SU-01-062420

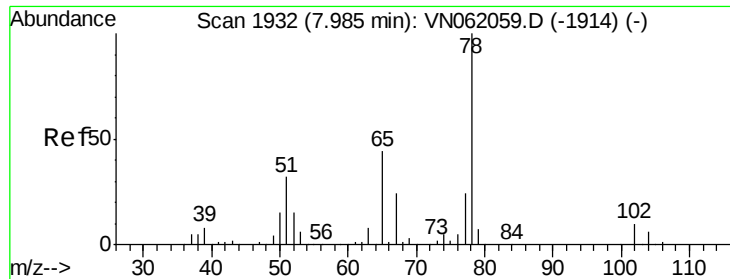
Tot Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
72 33.3 24.8 37.2



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

Tgt Ion: 56 Resp: 4904
Ion Ratio Lower Upper
56 100
69 152.1 28.0 42.0#
84 109.6 76.1 114.1

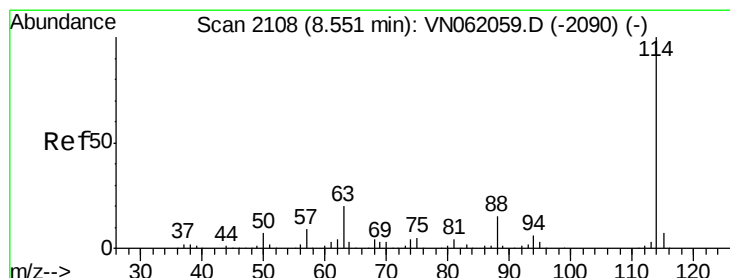
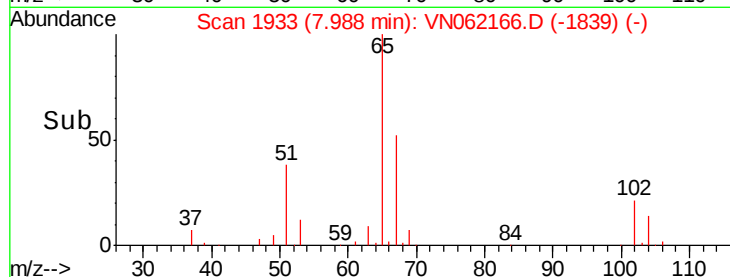
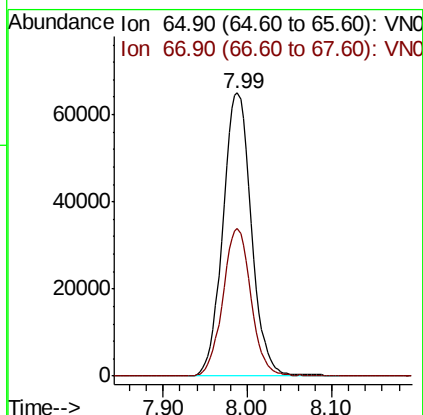
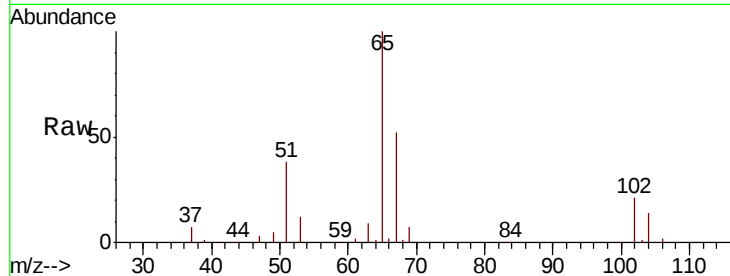




#33
 1,2-Dichloroethane-d4
 Concen: 50.680 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

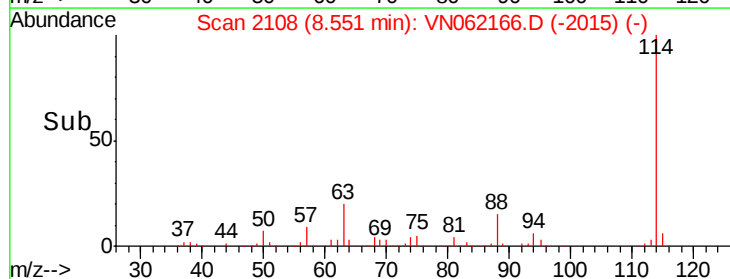
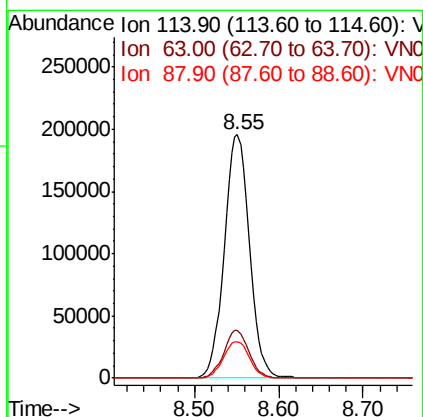
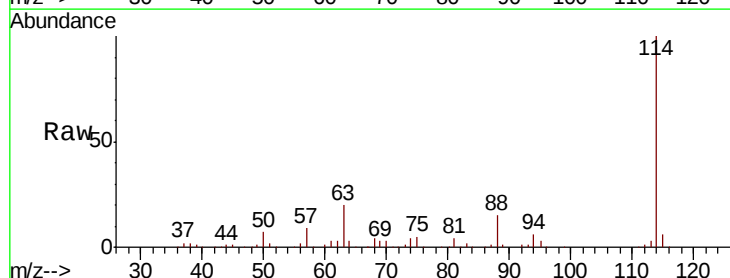
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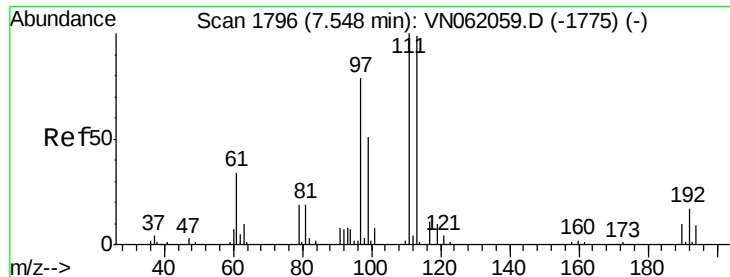
Tot Ion: 65 Resp: 152293
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Tgt Ion: 114 Resp: 405896
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.0 0.0 30.8

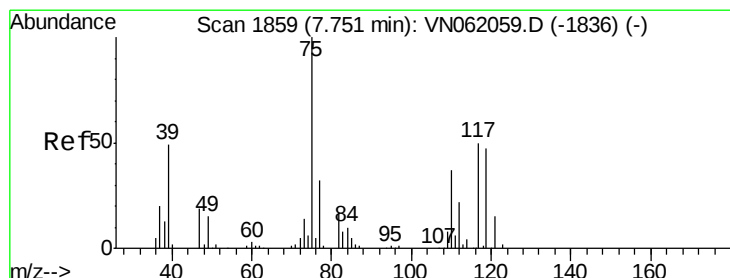
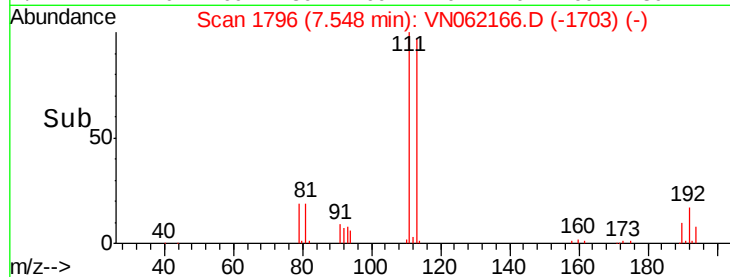
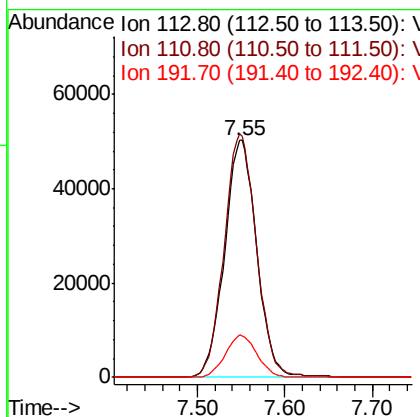
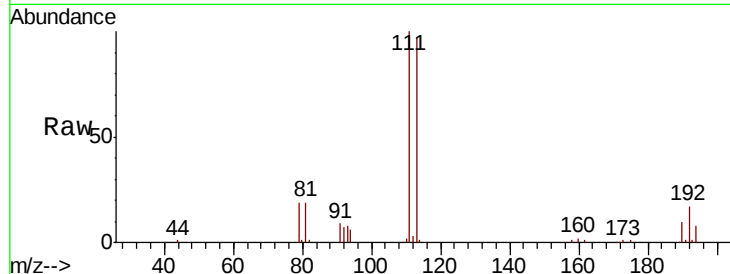




#35
 Dibromofluoromethane
 Concen: 49.302 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

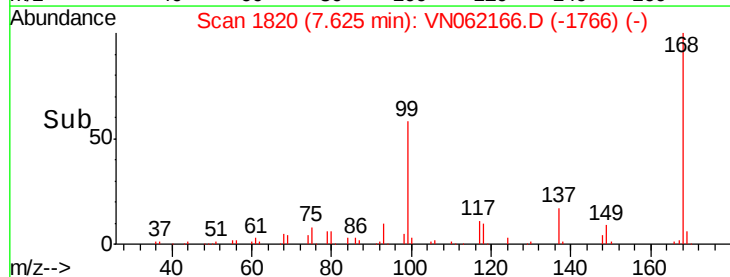
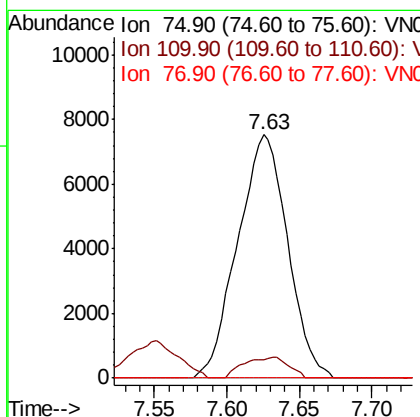
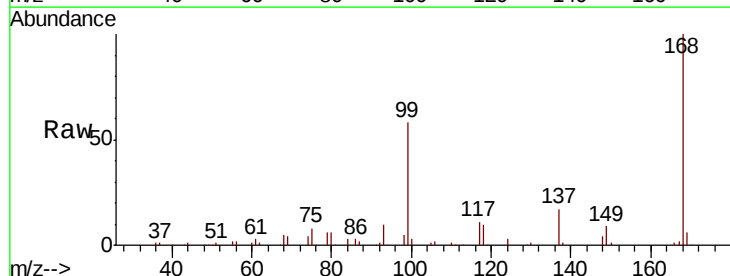
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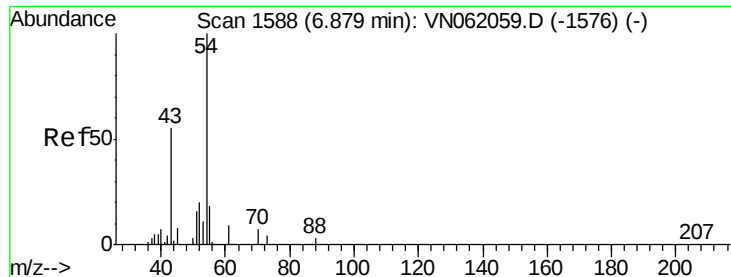
Tot Ion:113 Resp: 128382
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 17.4 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.422 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Tgt Ion: 75 Resp: 18041
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.9 53.8#
 77 0.0 24.9 37.3#

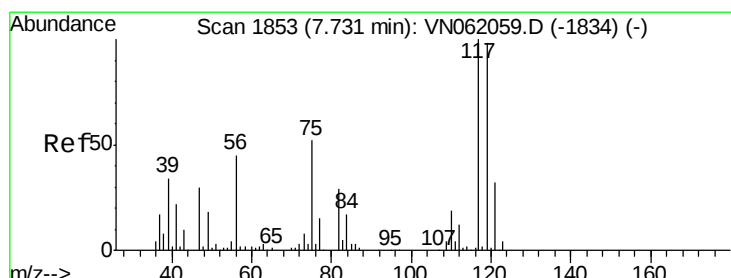
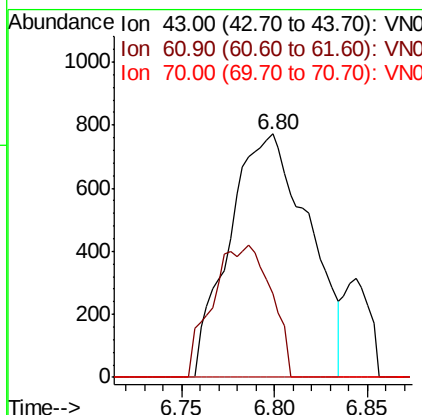
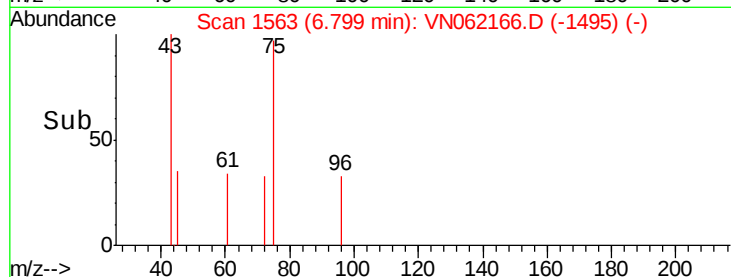
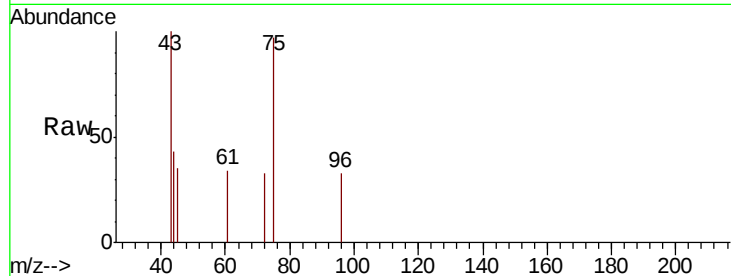




#37
Ethyl Acetate
Concen: 0.681 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.08 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

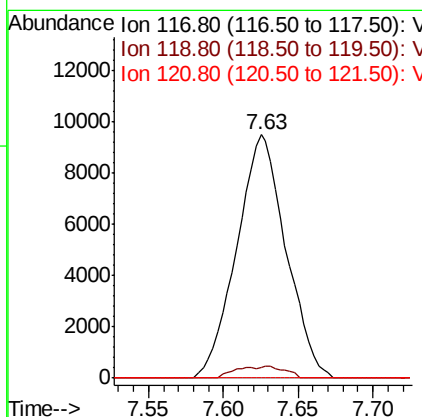
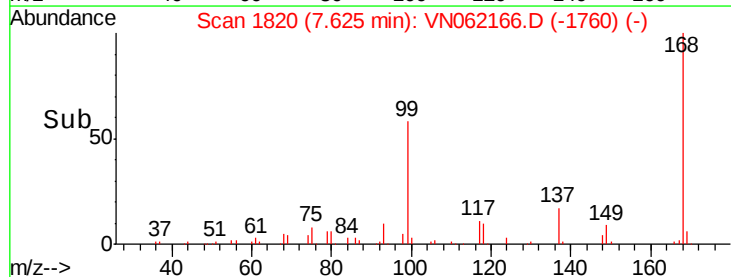
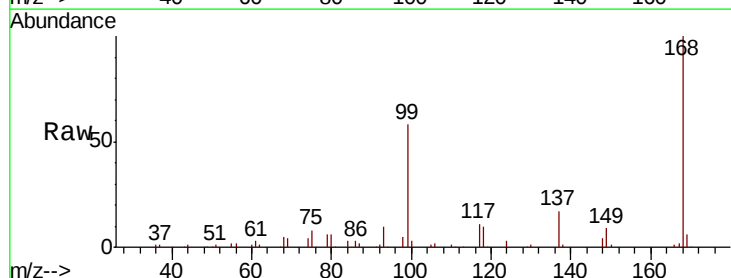
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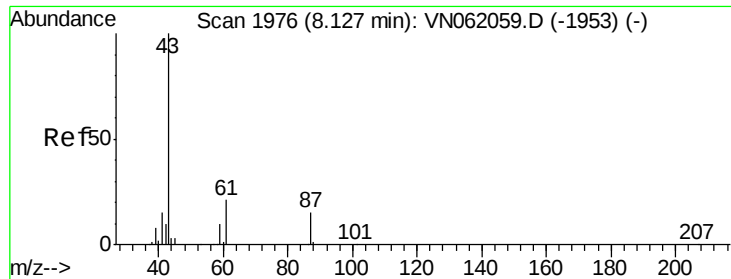
Tot Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
61 39.8 12.0 18.0#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.639 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

Tgt Ion: 117 Resp: 21690
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 25.8 38.6#





#43

Isopropyl Acetate

Concen: 8.922 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampled :

SU-01-062420

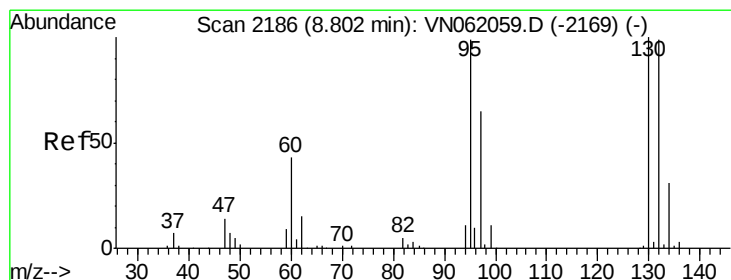
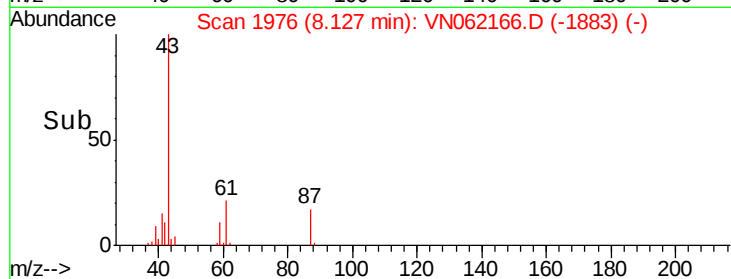
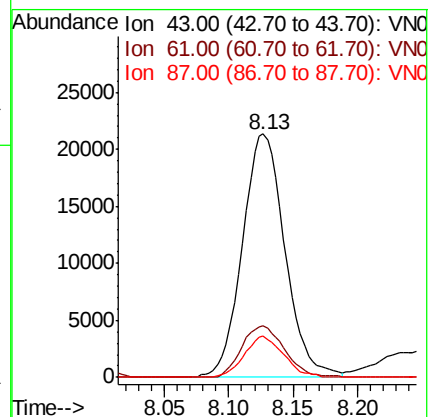
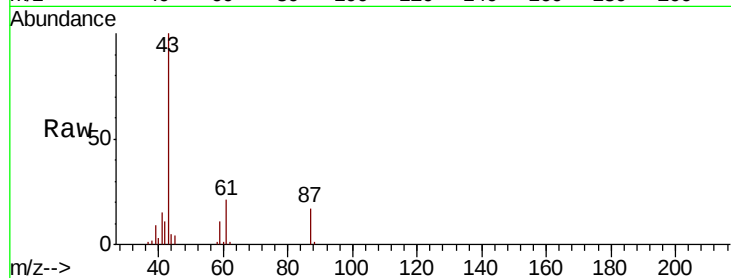
Tot Ion: 43 Resp: 49134

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

87 15.6 12.1 18.1



#44

Trichloroethene

Concen: 0.292 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062166.D

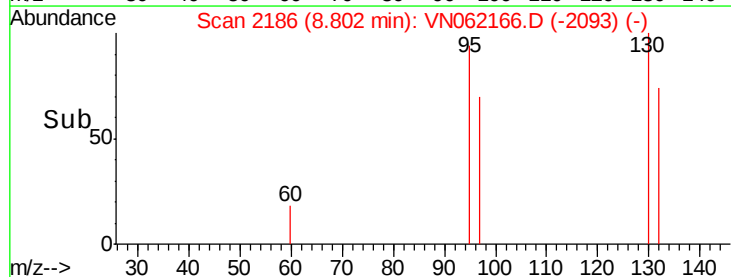
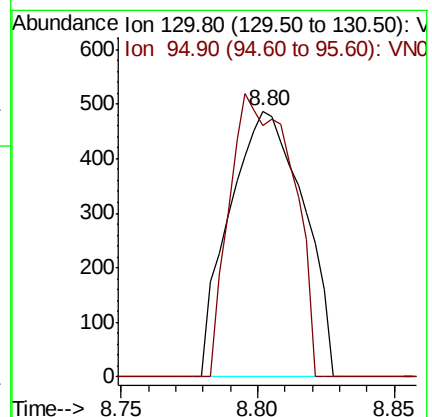
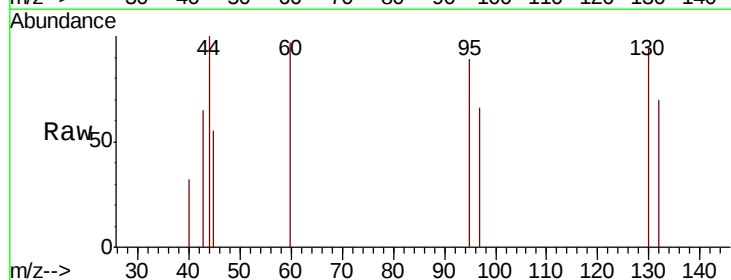
Acq: 27 Jun 2020 2:40

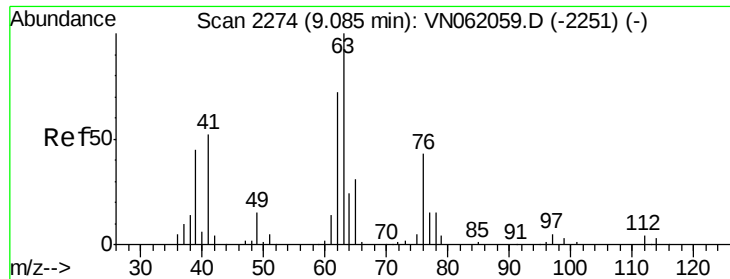
Tgt Ion: 130 Resp: 917

Ion Ratio Lower Upper

130 100

95 94.5 0.0 197.8

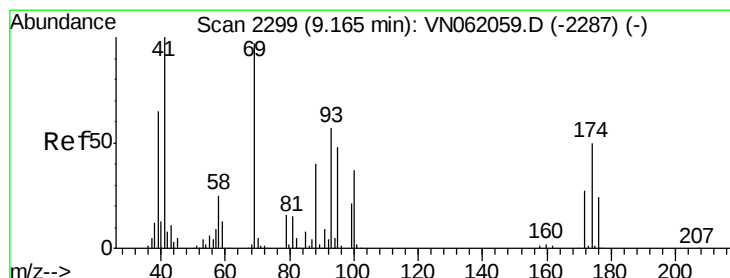
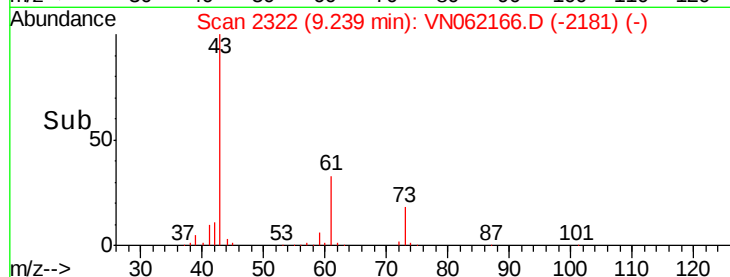
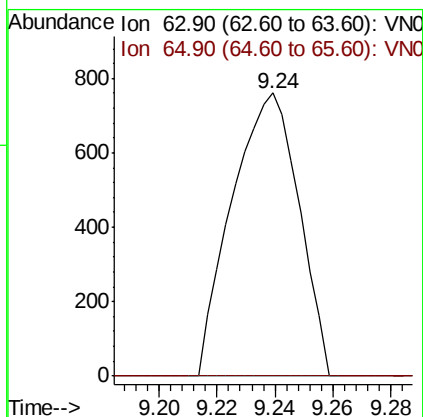
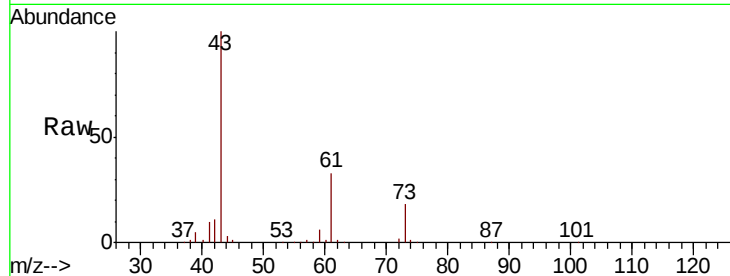




#45
 1,2-Dichloropropane
 Concen: 0.396 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

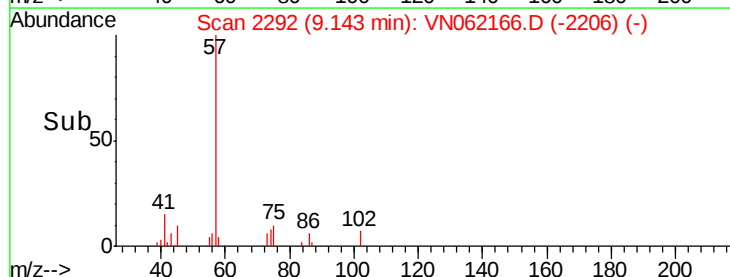
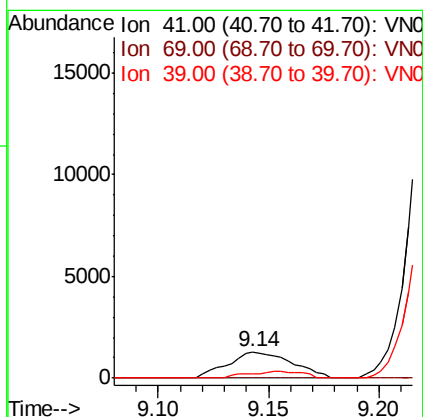
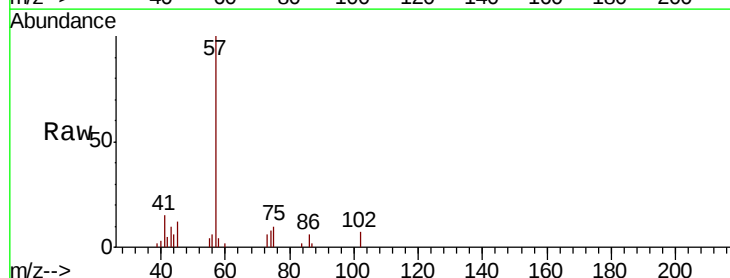
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-062420

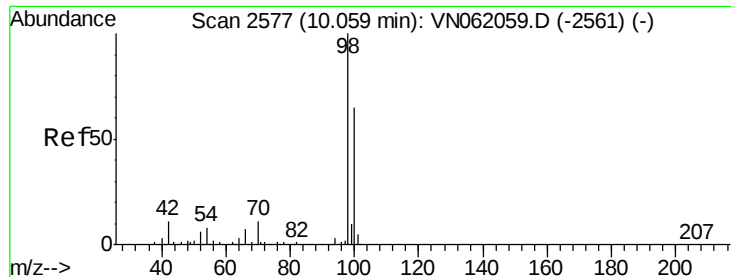
Tot Ion: 63 Resp: 1216
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.048 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Tgt Ion: 41 Resp: 2587
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 0.0 54.5 81.7#





#50

Toluene-d8

Concen: 50.449 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampleId :

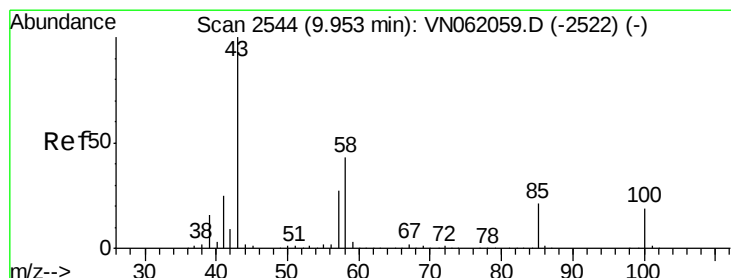
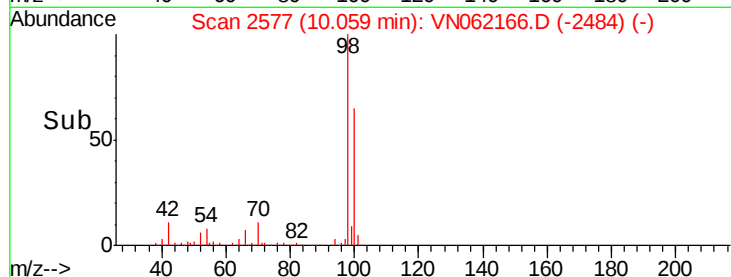
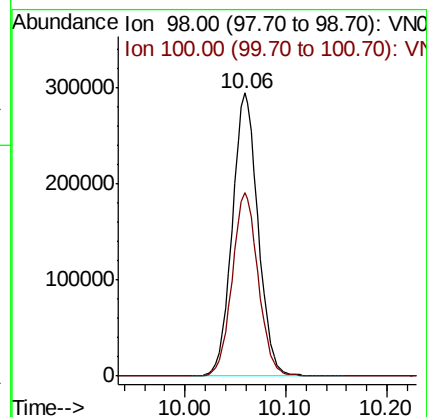
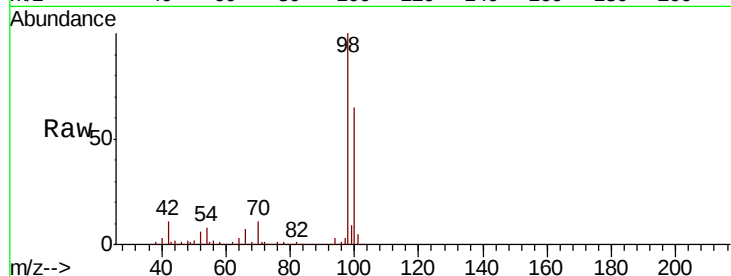
SU-01-062420

Tot Ion: 98 Resp: 525126

Ion Ratio Lower Upper

98 100

100 65.4 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.201 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062166.D

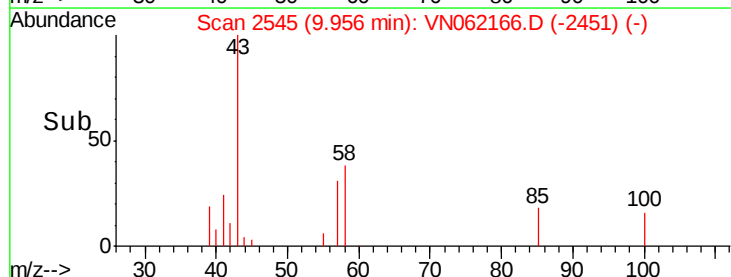
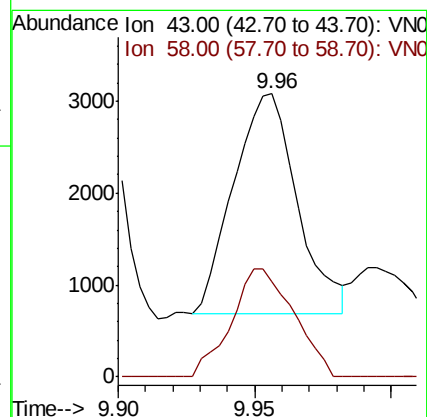
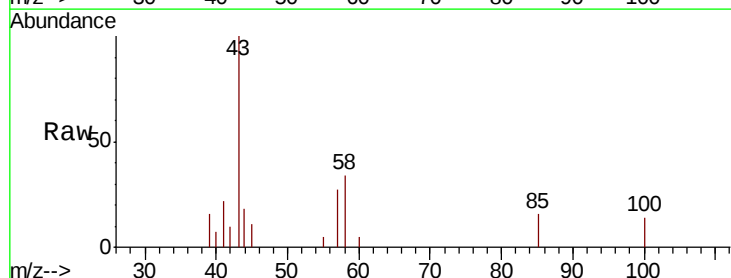
Acq: 27 Jun 2020 2:40

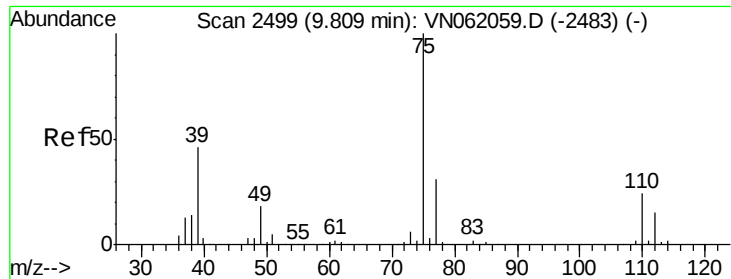
Tgt Ion: 43 Resp: 3866

Ion Ratio Lower Upper

43 100

58 48.4 34.2 51.2





#54

cis-1,3-Dichloropropene

Concen: 4.970 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampleId :

SU-01-062420

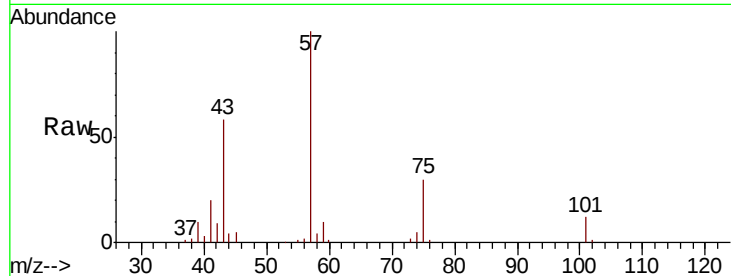
Tot Ion: 75 Resp: 24447

Ion Ratio Lower Upper

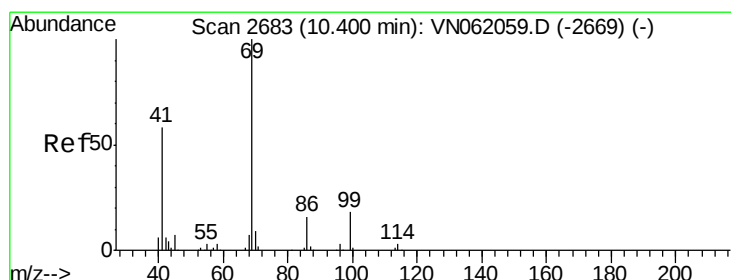
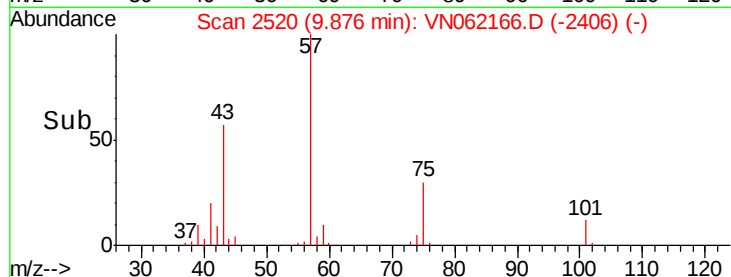
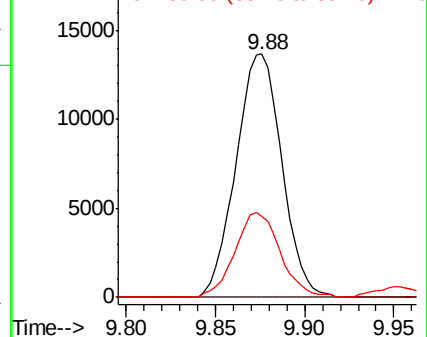
75 100

77 0.0 25.0 37.6#

39 33.5 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.247 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

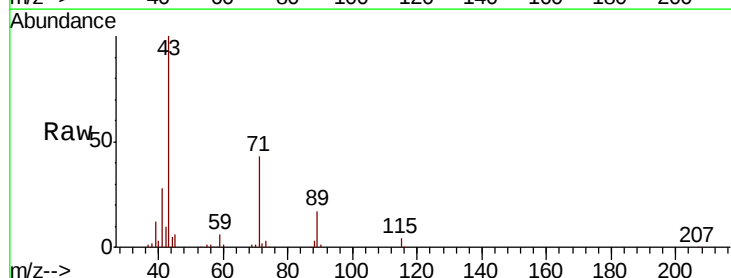
Tgt Ion: 69 Resp: 985

Ion Ratio Lower Upper

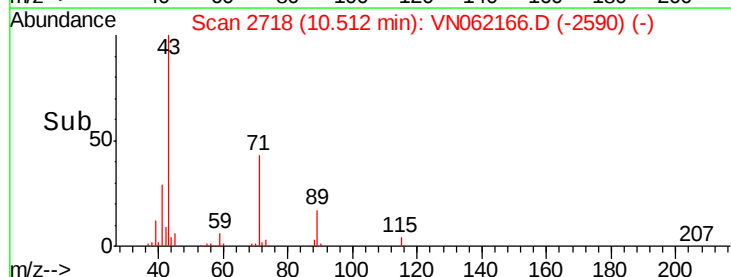
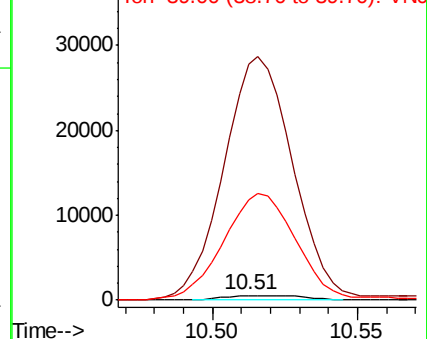
69 100

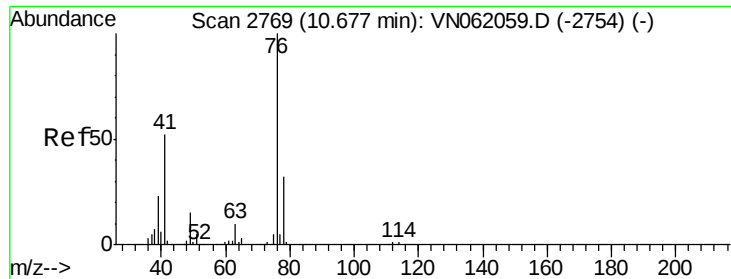
41 4853.2 46.6 70.0#

39 2241.2 31.0 46.4#



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

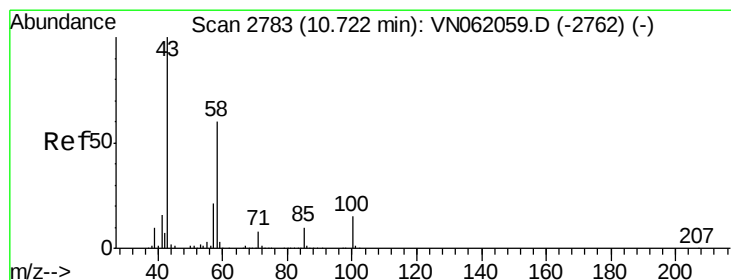
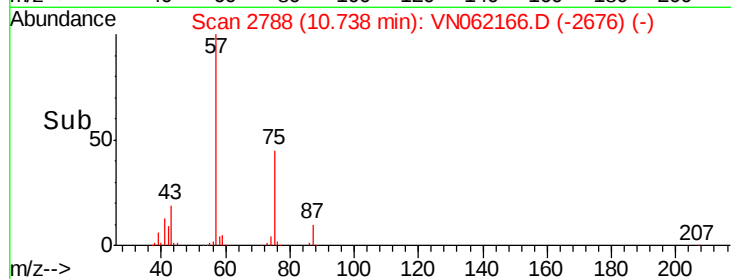
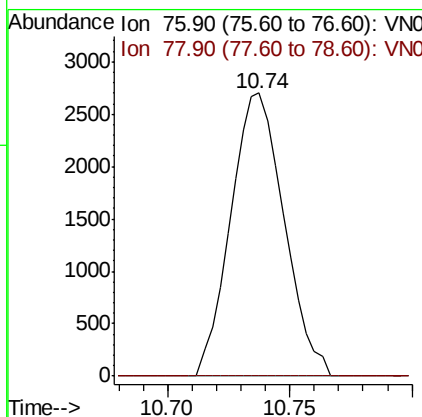
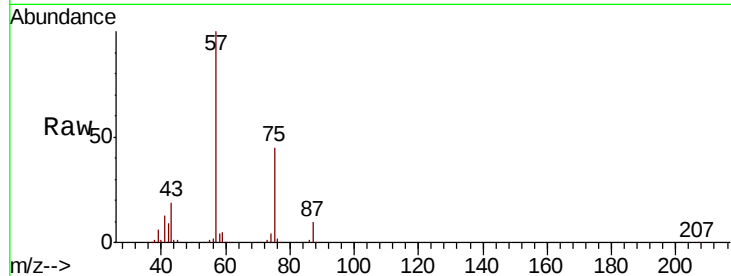




#57
 1,3-Dichloropropane
 Concen: 0.798 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

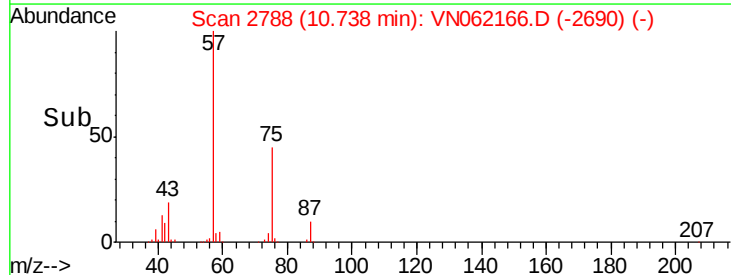
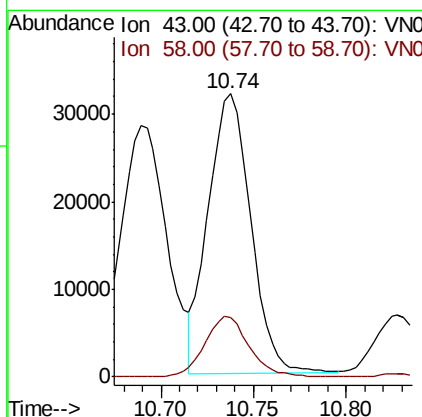
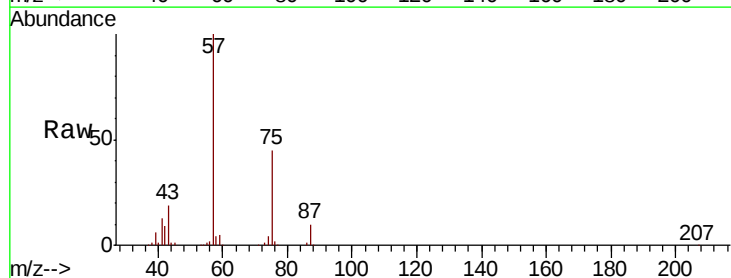
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-062420

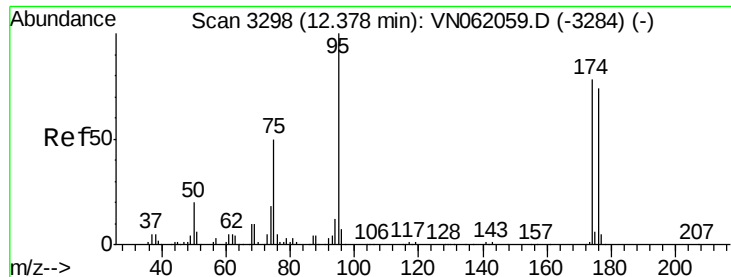
Tot Ion: 76 Resp: 4095
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 21.994 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062166.D
 Acq: 27 Jun 2020 2:40

Tgt Ion: 43 Resp: 51103
 Ion Ratio Lower Upper
 43 100
 58 22.3 29.5 88.5#

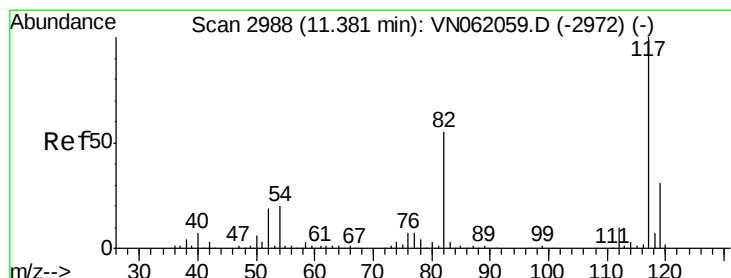
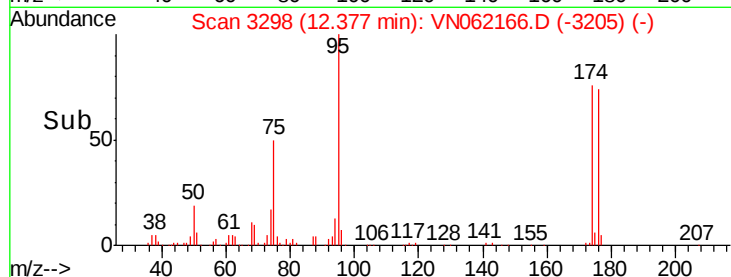
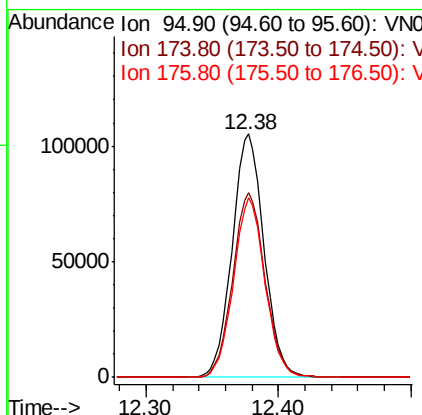
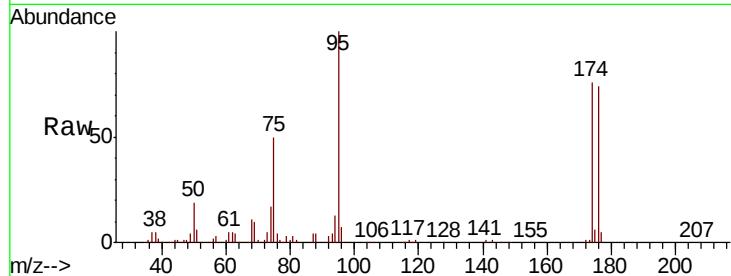




#62
4-Bromofluorobenzene
Concen: 49.879 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

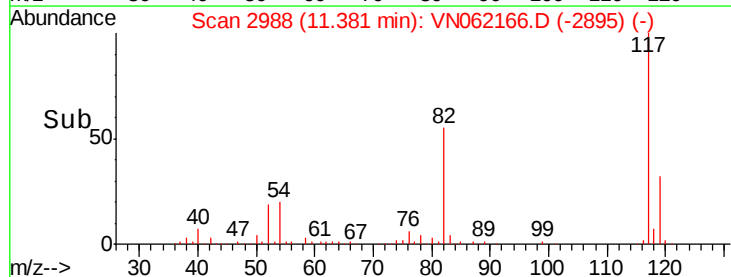
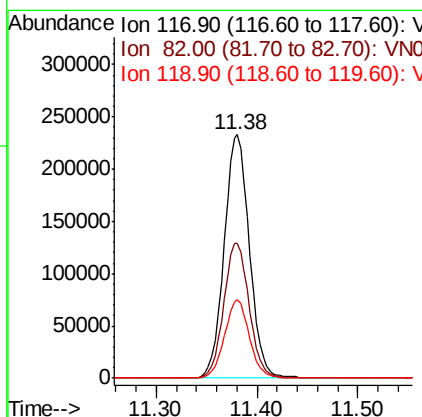
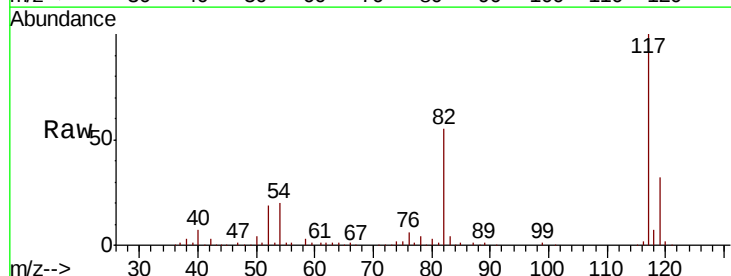
Instrument :
MSVOA_N
ClientSampled :
SU-01-062420

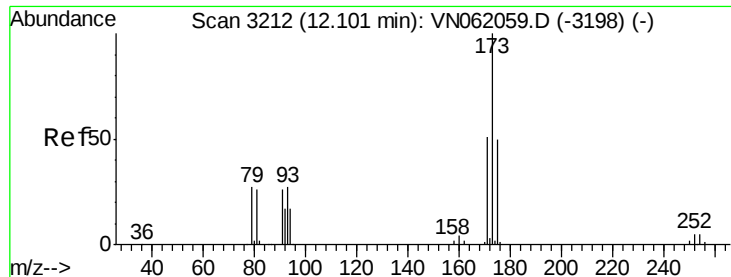
Tot Ion: 95 Resp: 175413
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.8
176 73.0 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

Tgt Ion: 117 Resp: 406252
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.1 25.2 37.8





#71

Bromoform

Concen: 0.719 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampleId :

SU-01-062420

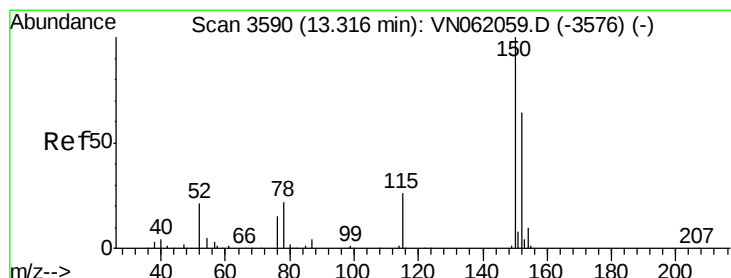
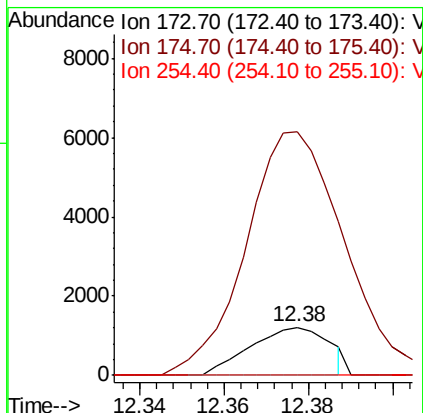
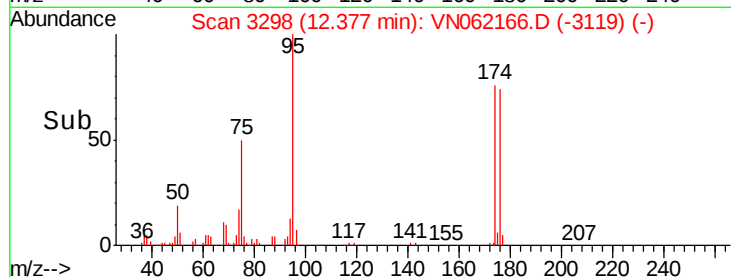
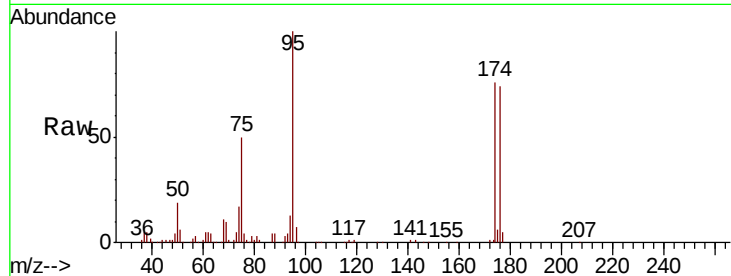
Tot Ion:173 Resp: 1577

Ion Ratio Lower Upper

173 100

175 536.8 24.7 74.1#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

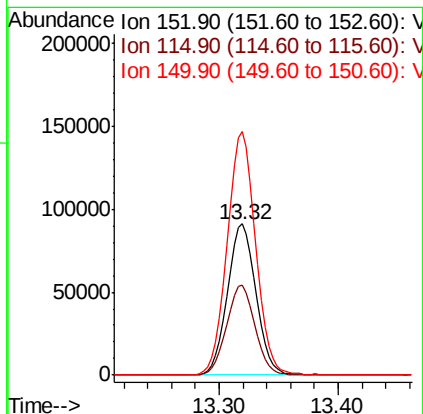
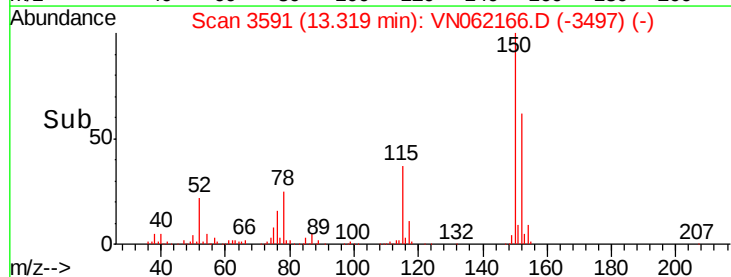
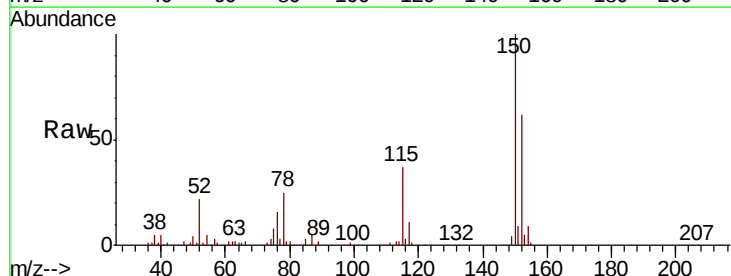
Tgt Ion:152 Resp: 152092

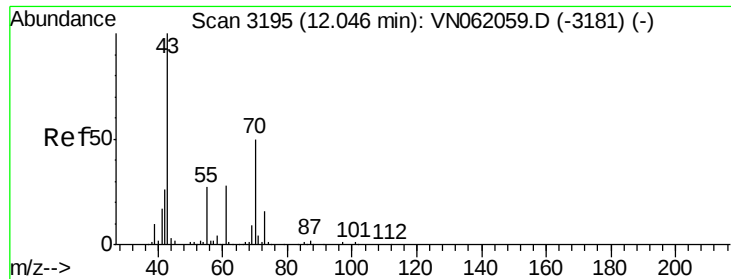
Ion Ratio Lower Upper

152 100

115 59.1 29.5 88.5

150 159.5 0.0 351.4

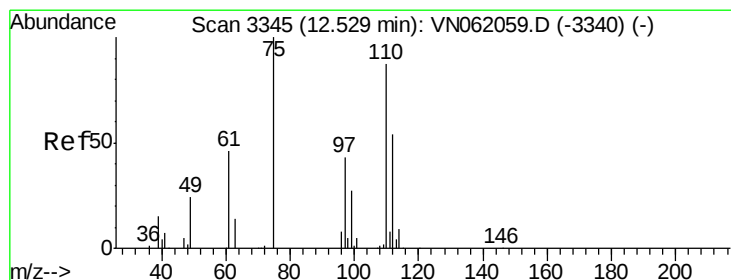
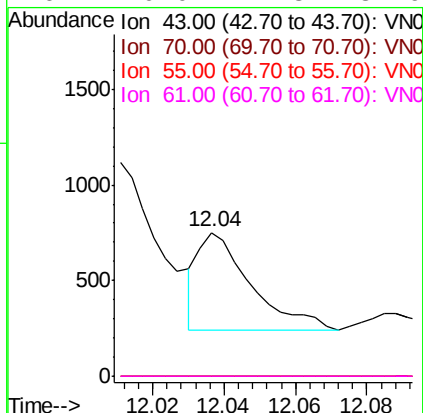
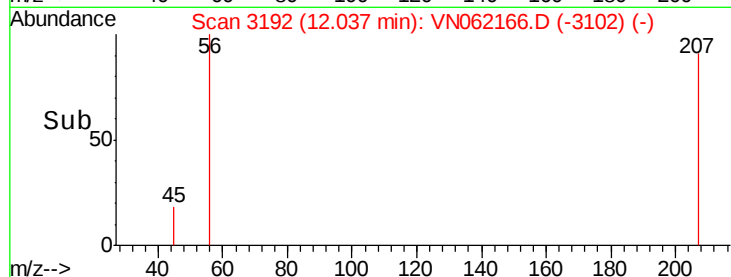
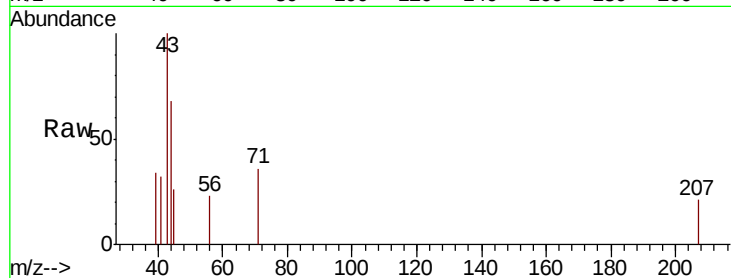




#74
N-amvl acetate
Concen: 3.454 ug/l
RT: 12.04 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

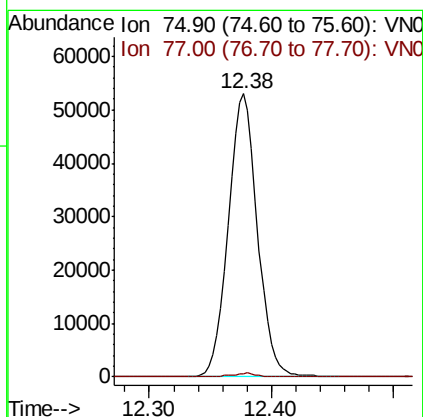
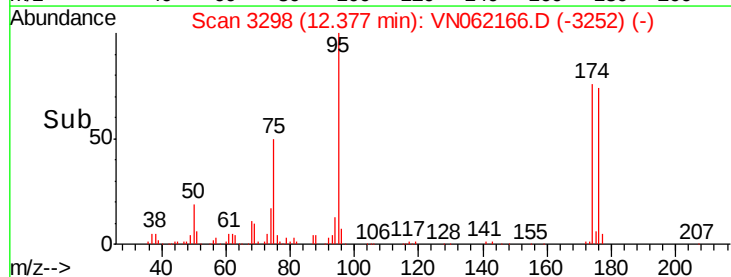
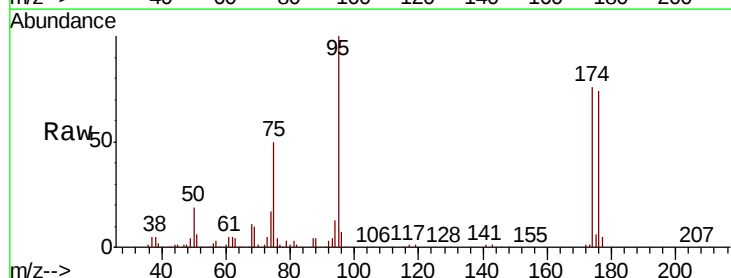
Instrument :
MSVOA_N
ClientSampleId :
SU-01-062420

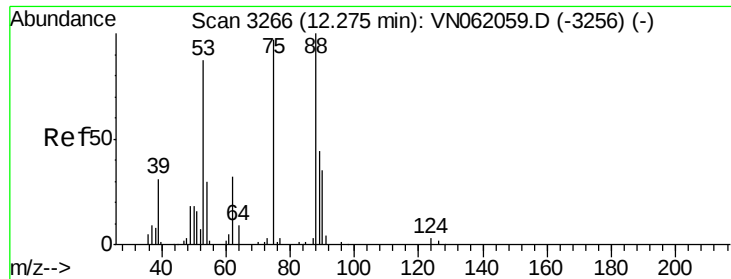
Tot Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
70 0.0 39.4 59.2#
55 0.0 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 24.677 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062166.D
Acq: 27 Jun 2020 2:40

Tgt Ion: 75 Resp: 88353
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.066 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

Instrument :

MSVOA_N

ClientSampleId :

SU-01-062420

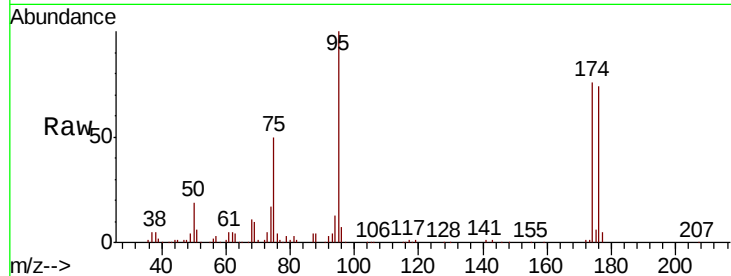
Tot Ion: 75 Resp: 88353

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

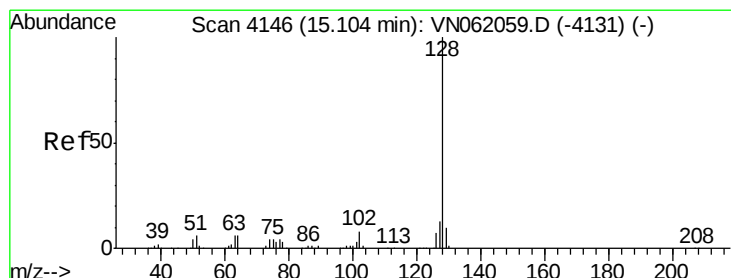
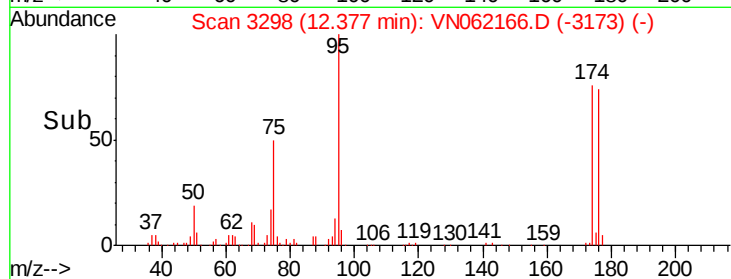
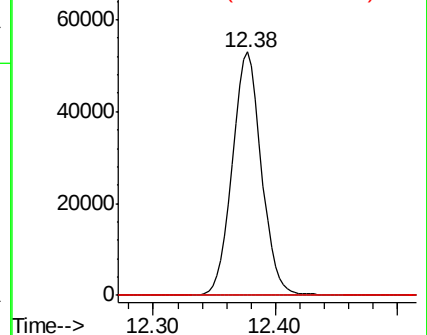
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#95

Naphthalene

Concen: 4.077 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062166.D

Acq: 27 Jun 2020 2:40

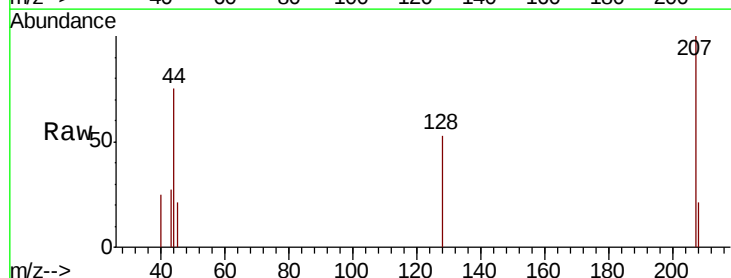
Tgt Ion: 128 Resp: 650

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062059.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062059.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062059.D (-4131) (-)

