

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062920\
 Data File : VN062226.D
 Acq On : 30 Jun 2020 7:48
 Operator : JC/MD
 Sample : L3111-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6-S

Quant Time: Jun 30 10:08:11 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	186752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131420	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	147912	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	
35) Dibromofluoromethane	7.55	113	120498	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.06	98	492627	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.38	95	158038	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

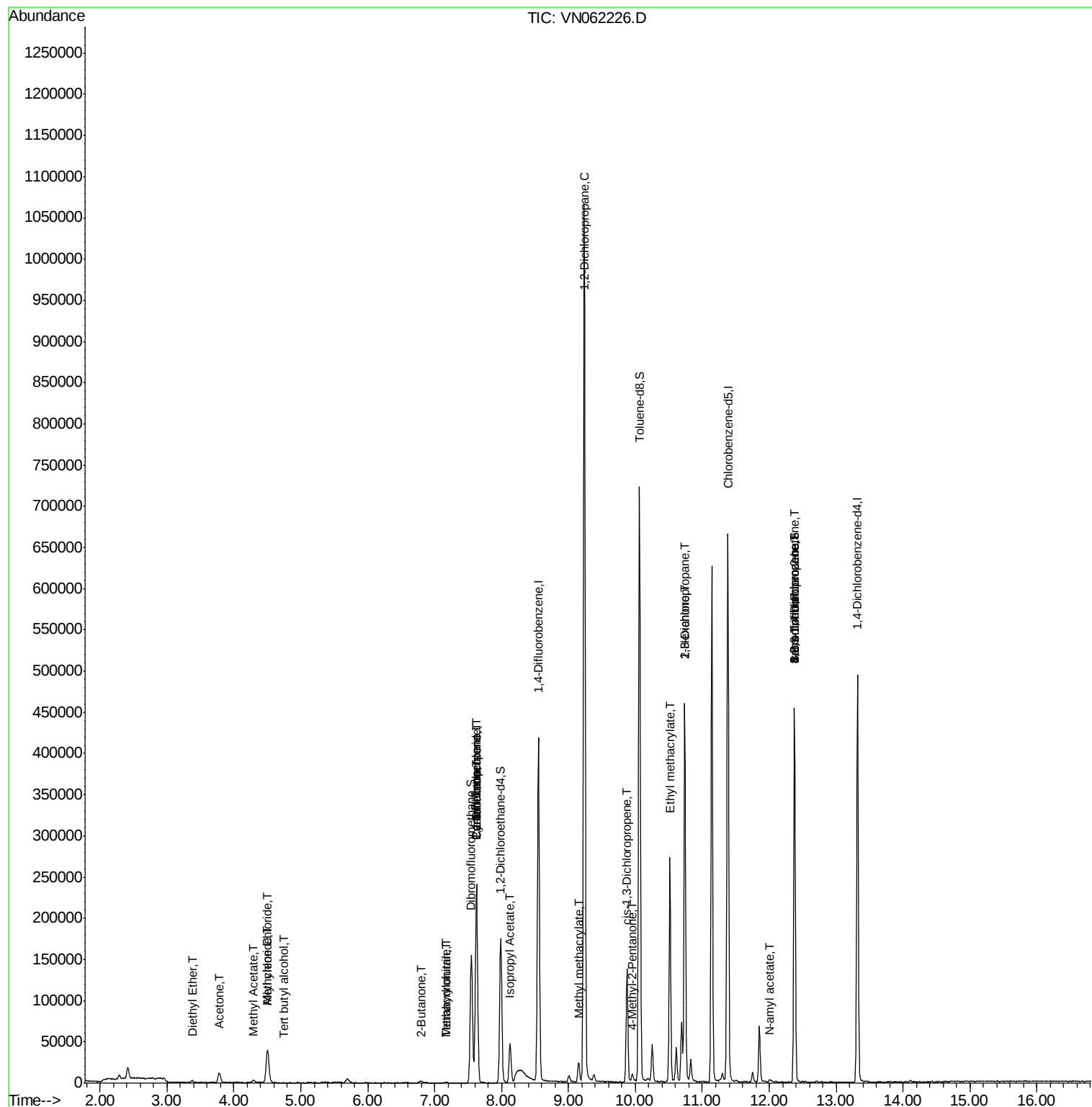
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	154	Below Cal	#	34
8) Diethyl Ether	3.38	74	1129	0.789	ug/l	78
11) Tert butyl alcohol	4.74	59	115	0.306	ug/l #	72
14) Allyl chloride	4.50	41	875	0.300	ug/l #	20
16) Acetone	3.78	43	20332	21.006	ug/l	97
18) Methyl Acetate	4.28	43	2762	1.326	ug/l	95
20) Methylene Chloride	4.50	84	30825	12.651	ug/l	98
25) 2-Butanone	6.80	43	3435	2.682	ug/l	92
29) Tetrahydrofuran	7.18	42	611	0.728	ug/l #	58
31) Cyclohexane	7.63	56	4652	1.285	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	16117	4.301	ug/l #	49
38) Carbon Tetrachloride	7.63	117	19081	5.401	ug/l #	16
41) Methacrylonitrile	7.17	41	515	0.358	ug/l #	30
43) Isopropyl Acetate	8.13	43	52335	10.347	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1325	0.470	ug/l #	43
48) Methyl methacrylate	9.14	41	3448	1.520	ug/l #	6
51) 4-Methyl-2-Pentanone	9.96	43	5135	1.738	ug/l #	85
54) cis-1,3-Dichloropropene	9.88	75	25136	5.564	ug/l #	68
56) Ethyl methacrylate	10.52	69	1385	0.379	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4959	1.052	ug/l #	42
59) 2-Hexanone	10.74	43	59854	28.049	ug/l #	49
71) Bromoform	12.38	173	889	0.434	ug/l #	1
74) N-amyl acetate	12.00	43	1865	3.808	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	81116	26.219	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81116	76.571	ug/l #	13

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN062920\
Data File : VN062226.D
Acq On : 30 Jun 2020 7:48
Operator : JC/MD
Sample : L3111-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-6-S

Quant Time: Jun 30 10:08:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
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: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

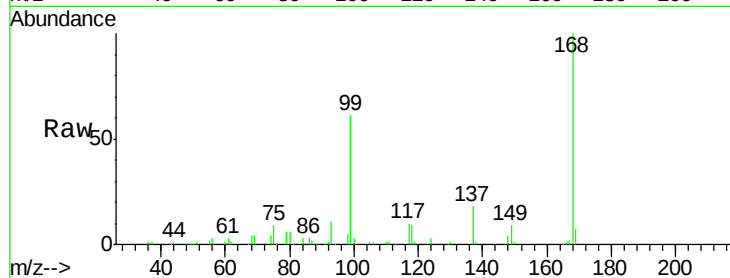
TP-6-S

Tgt Ion:168 Resp: 186752

Ion Ratio Lower Upper

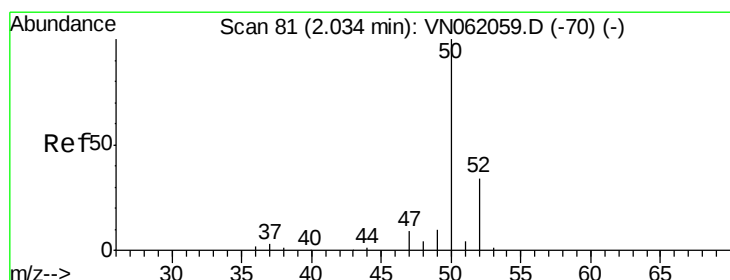
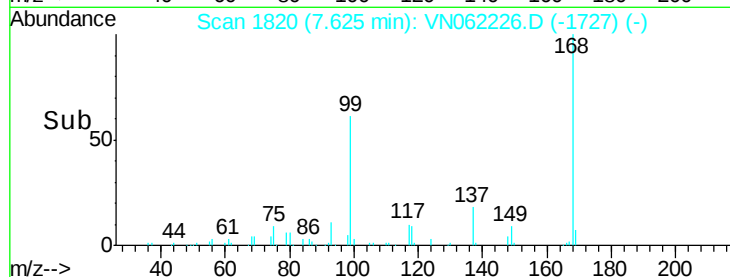
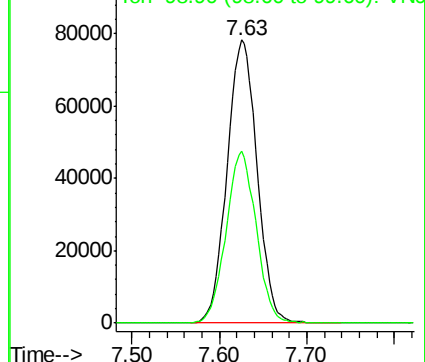
168 100

99 60.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062226.D

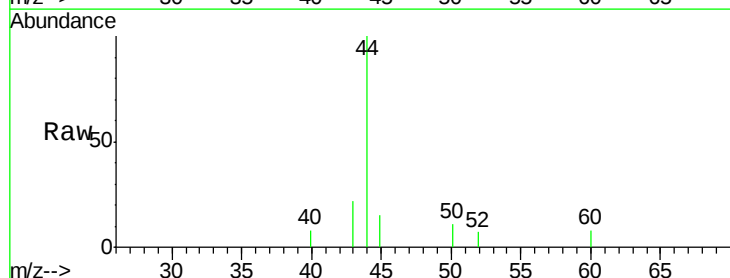
Acq: 30 Jun 2020 7:48

Tgt Ion: 50 Resp: 154

Ion Ratio Lower Upper

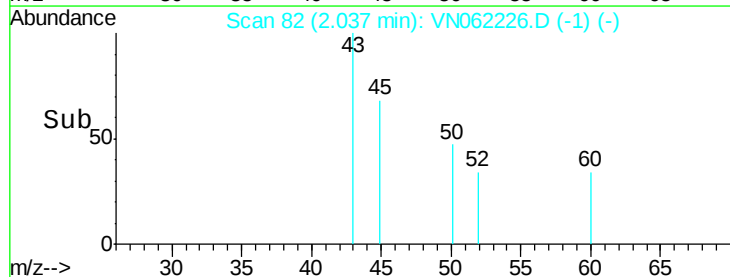
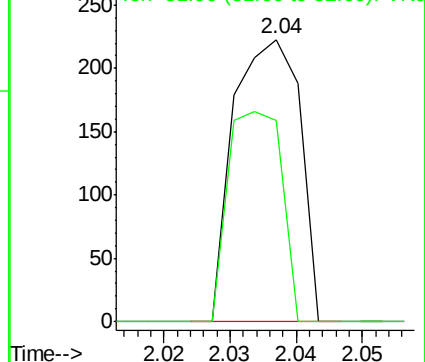
50 100

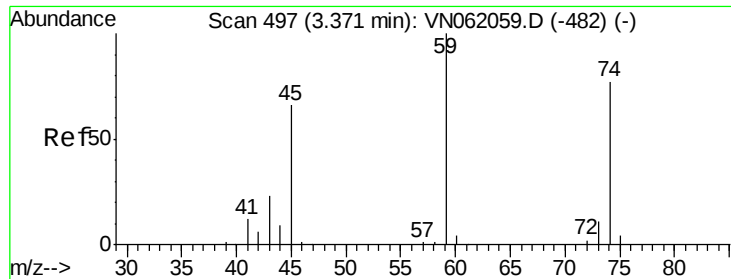
52 71.3 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#8

Diethyl Ether

Concen: 0.789 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

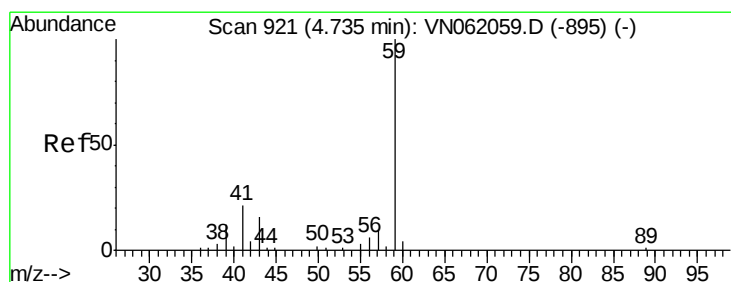
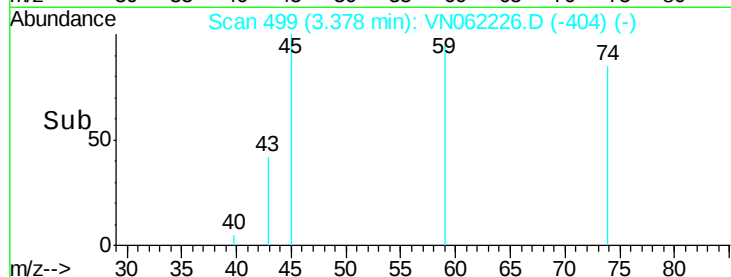
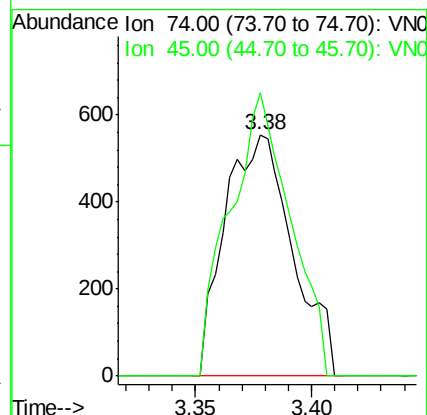
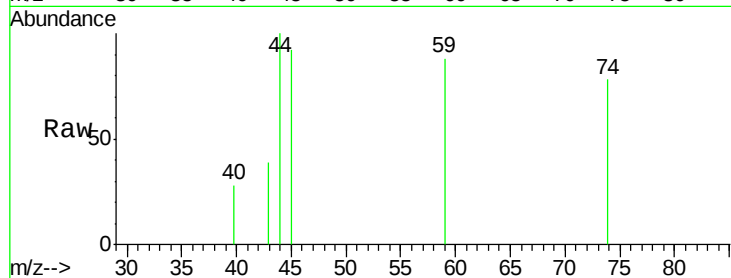
TP-6-S

Tgt Ion: 74 Resp: 1129

Ion Ratio Lower Upper

74 100

45 105.0 42.5 127.5



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 4.74 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN062226.D

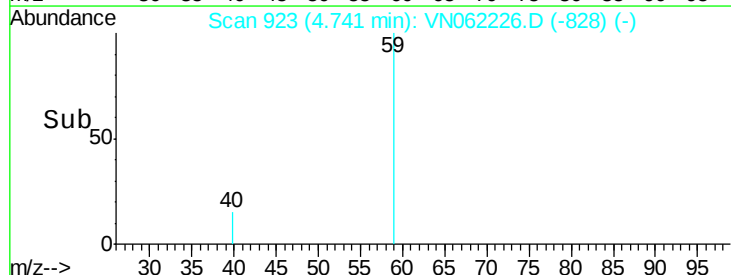
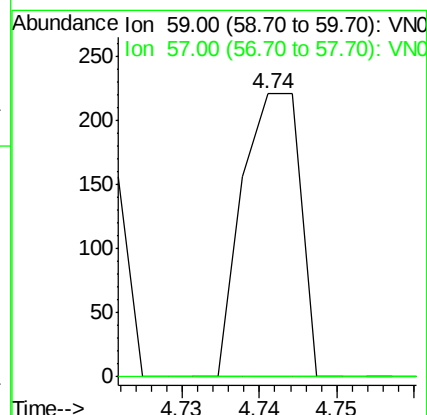
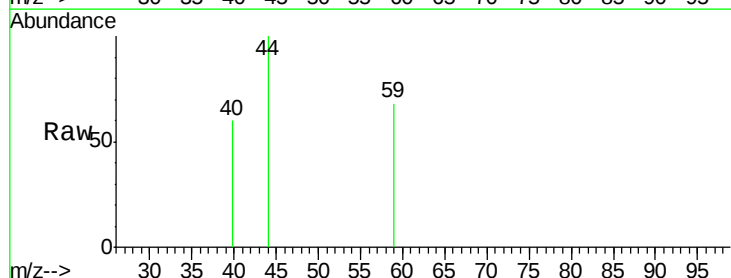
Acq: 30 Jun 2020 7:48

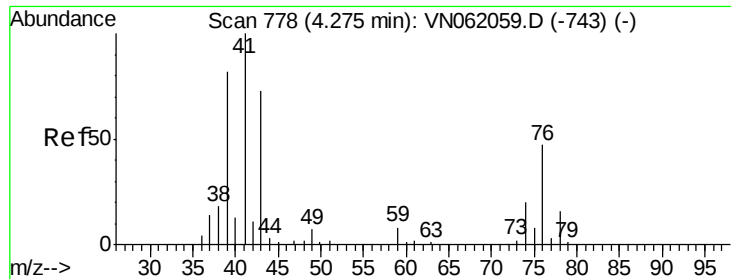
Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

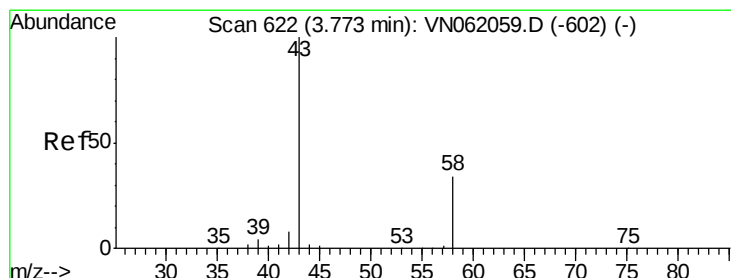
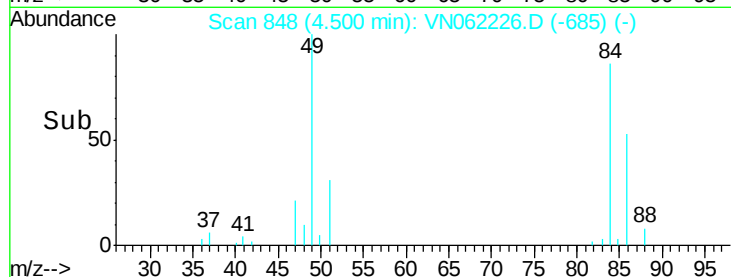
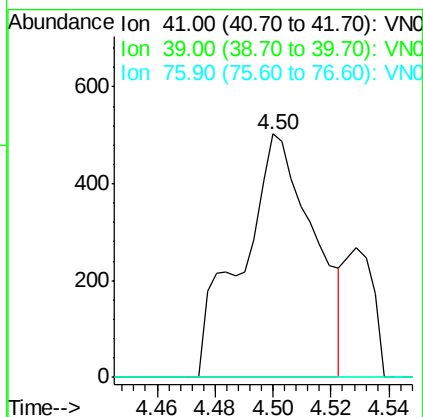
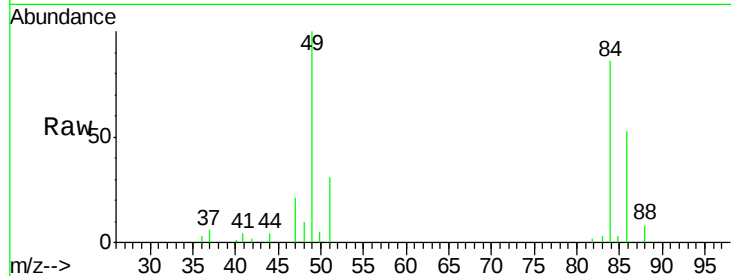




#14
 Allyl chloride
 Concen: 0.300 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. 0.22 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

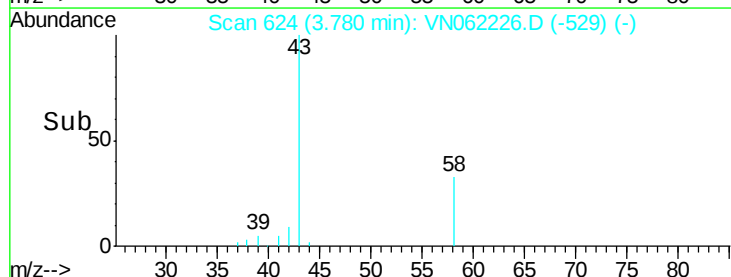
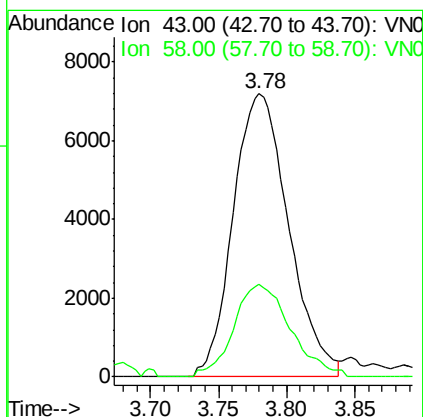
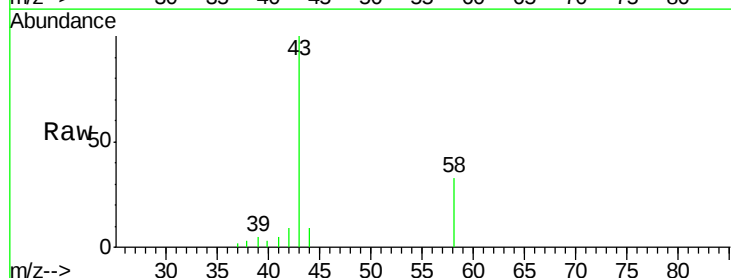
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6-S

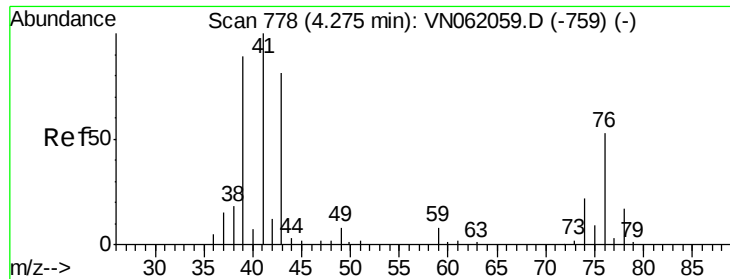
Tgt Ion: 41 Resp: 875
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.0 90.0#
 76 0.0 34.1 51.1#



#16
 Acetone
 Concen: 21.006 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion: 43 Resp: 20332
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.5 41.3

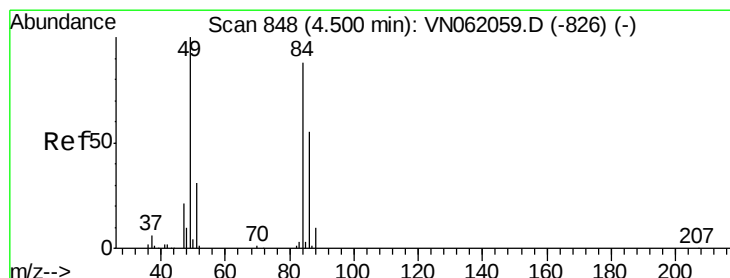
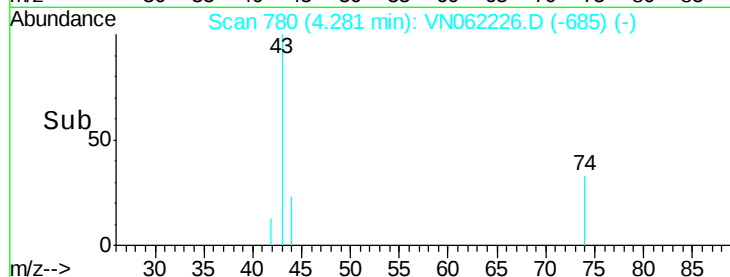
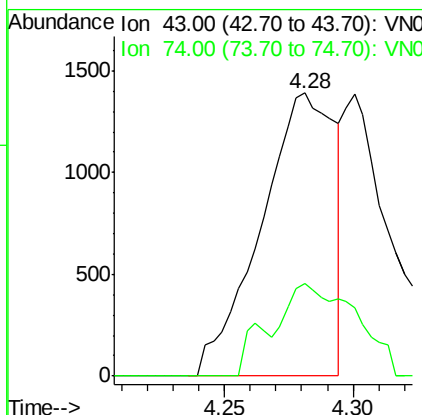
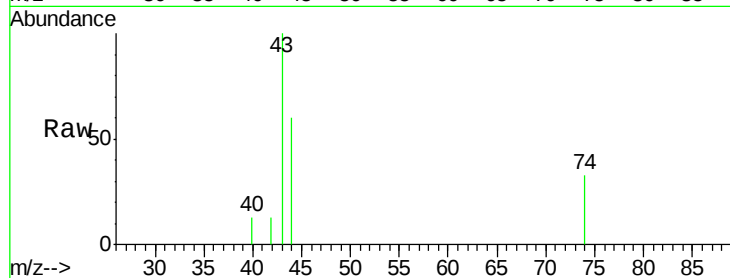




#18
Methyl Acetate
Concen: 1.326 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

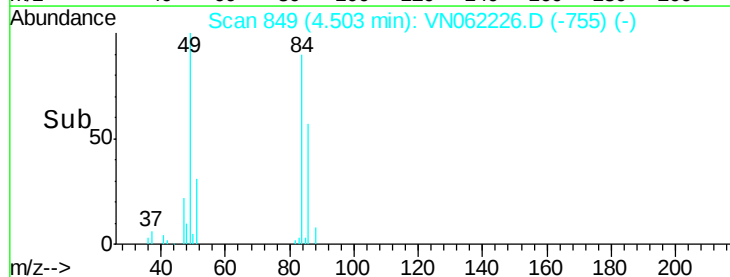
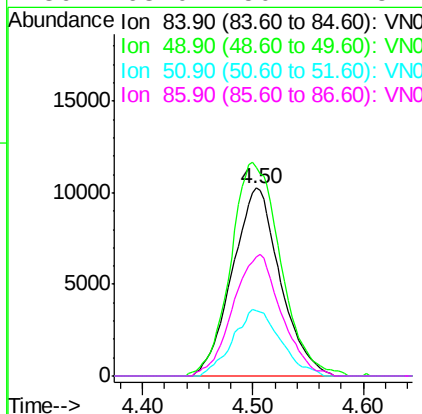
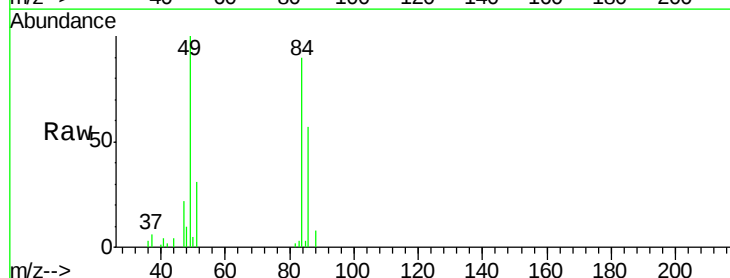
Instrument :
MSVOA_N
ClientSampleId :
TP-6-S

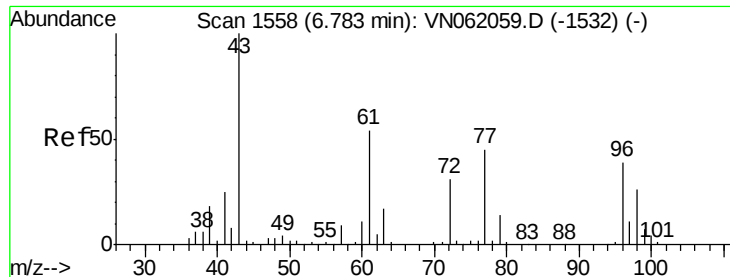
Tgt Ion: 43 Resp: 2762
Ion Ratio Lower Upper
43 100
74 31.5 22.9 34.3



#20
Methylene Chloride
Concen: 12.651 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

Tgt Ion: 84 Resp: 30825
Ion Ratio Lower Upper
84 100
49 109.1 90.6 136.0
51 34.7 27.8 41.8
86 63.0 50.1 75.1





#25

2-Butanone

Concen: 2.682 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.02 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

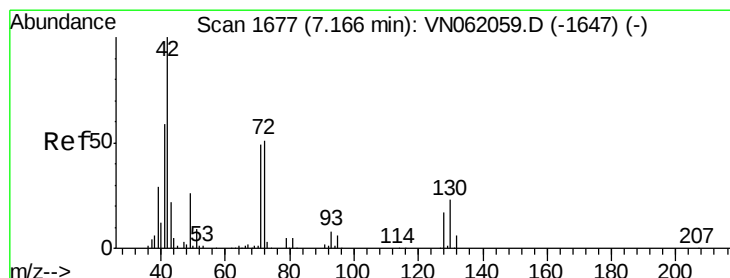
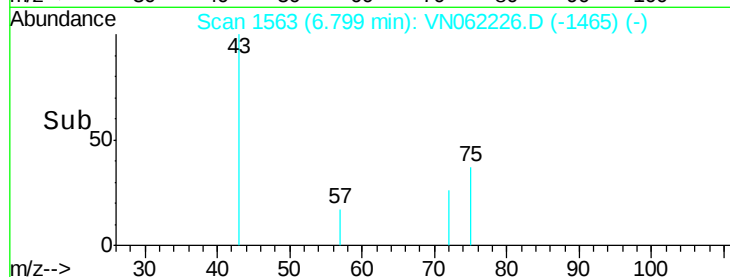
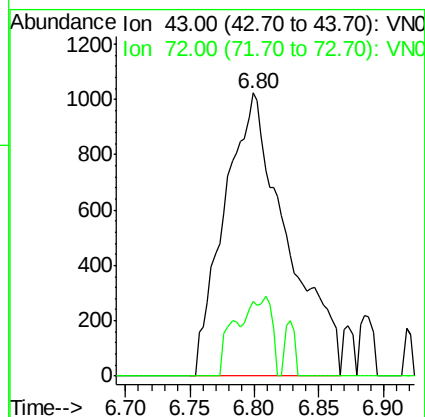
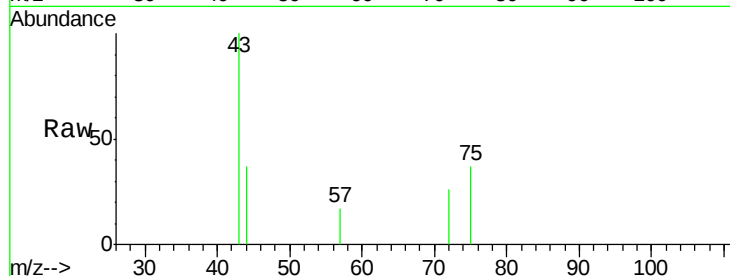
TP-6-S

Tgt Ion: 43 Resp: 3435

Ion Ratio Lower Upper

43 100

72 26.4 24.8 37.2



#29

Tetrahydrofuran

Concen: 0.728 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

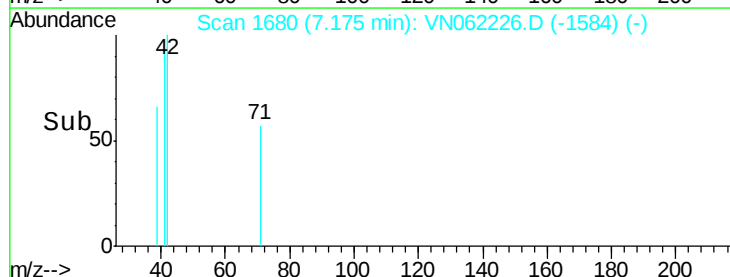
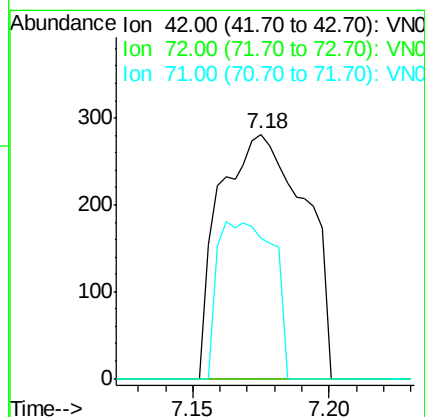
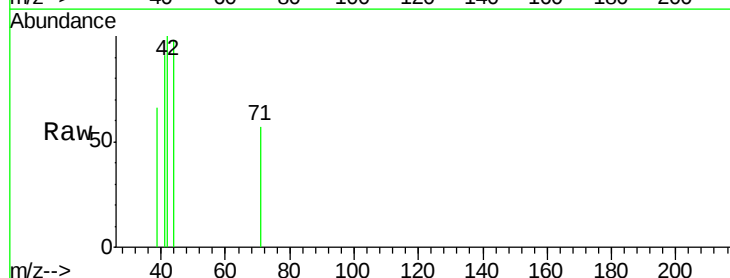
Tgt Ion: 42 Resp: 611

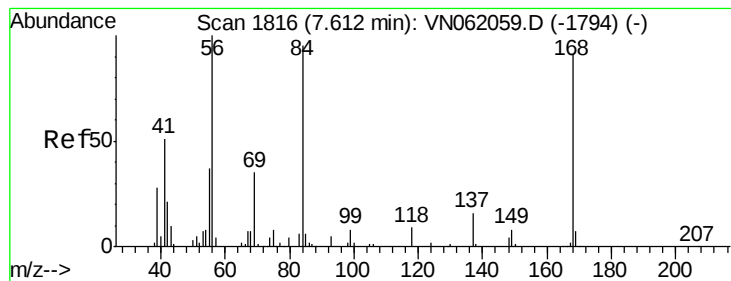
Ion Ratio Lower Upper

42 100

72 0.0 41.1 61.7#

71 41.9 38.2 57.4





#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

TP-6-S

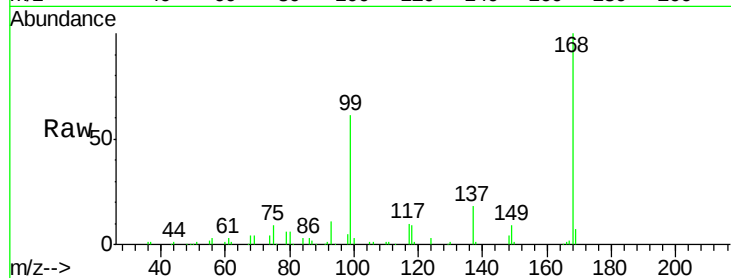
Tgt Ion: 56 Resp: 4652

Ion Ratio Lower Upper

56 100

69 149.0 28.0 42.0#

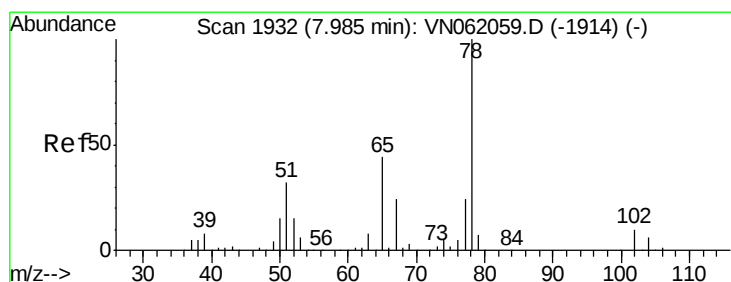
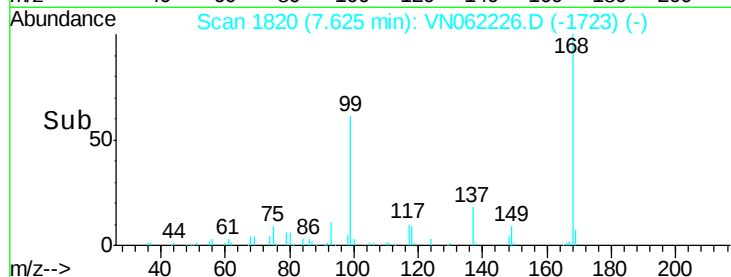
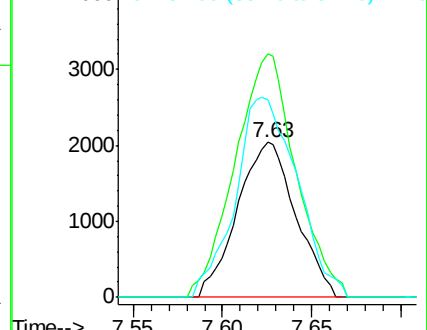
84 127.4 76.1 114.1#



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: 56.439 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062226.D

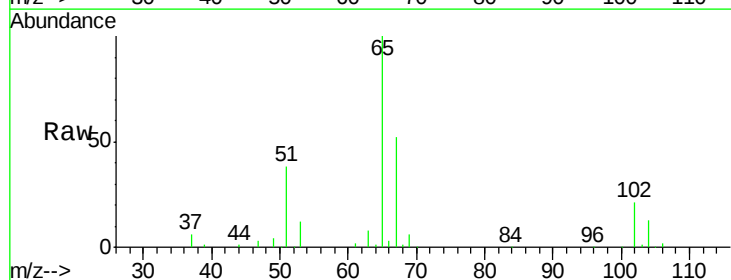
Acq: 30 Jun 2020 7:48

Tgt Ion: 65 Resp: 147912

Ion Ratio Lower Upper

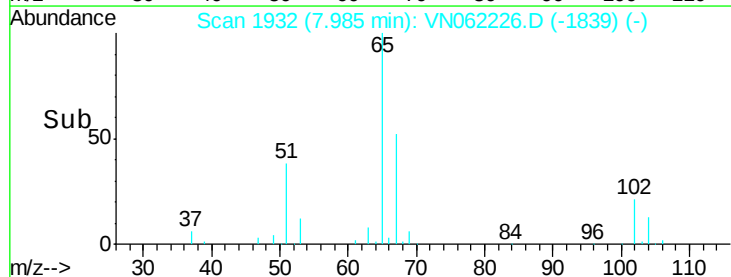
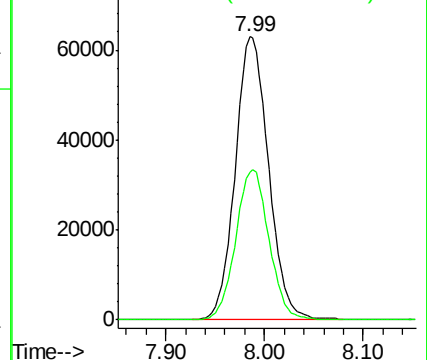
65 100

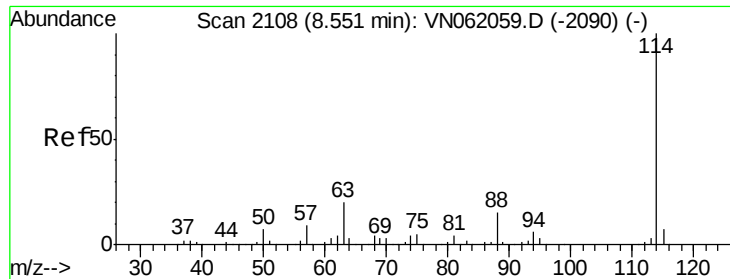
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

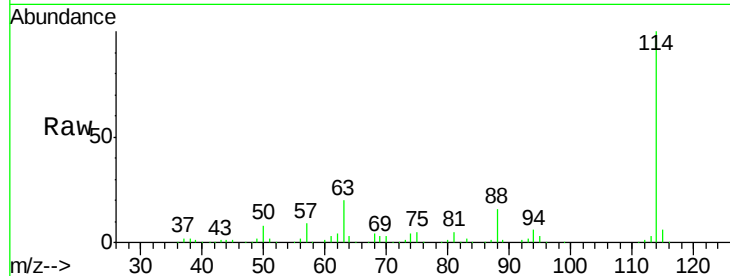




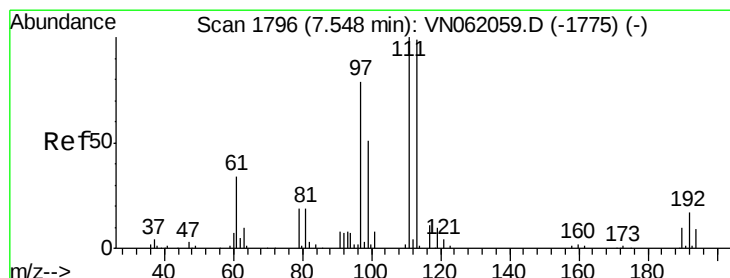
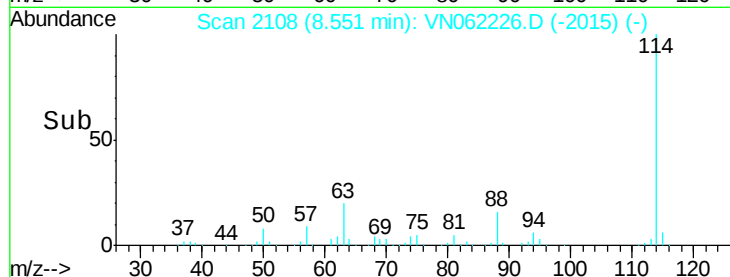
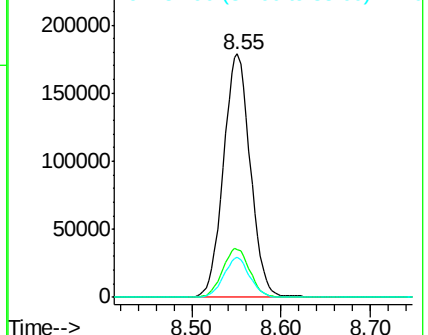
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6-S

Tgt Ion:114 Resp: 372779
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 16.2 0.0 30.8

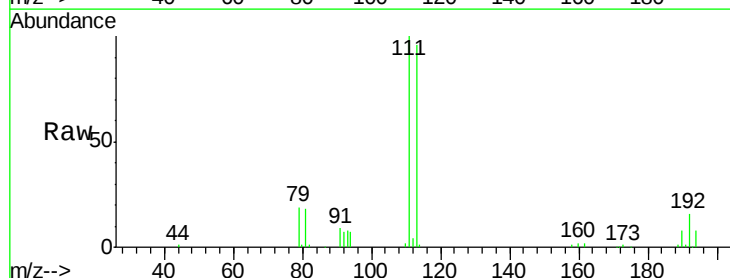


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

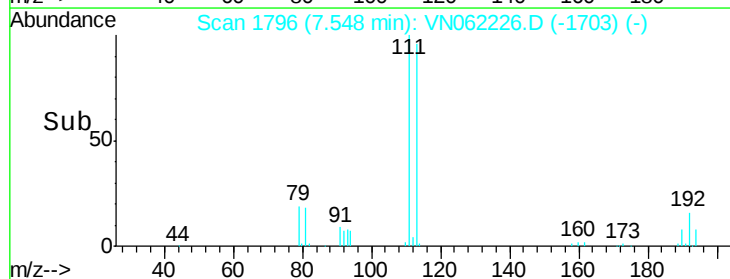
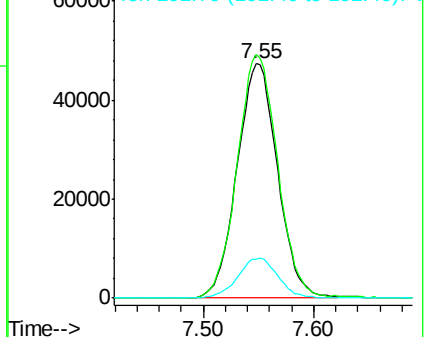


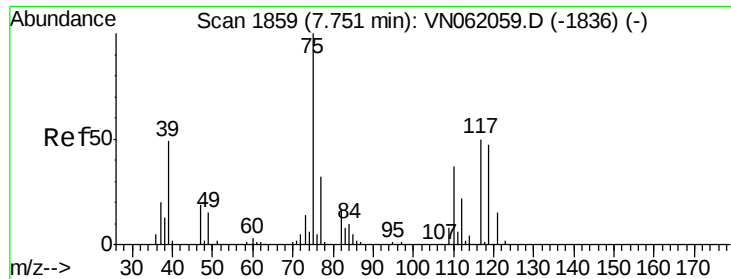
#35
 Dibromofluoromethane
 Concen: 50.385 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion:113 Resp: 120498
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.4
 192 16.9 14.0 21.0



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

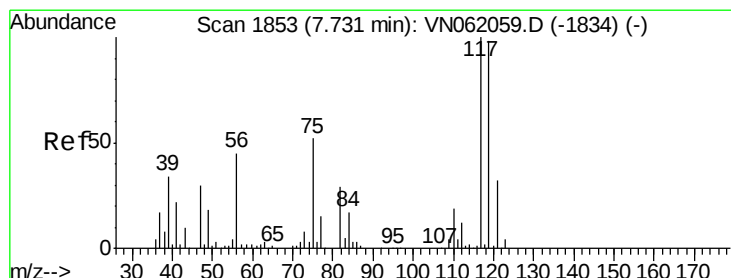
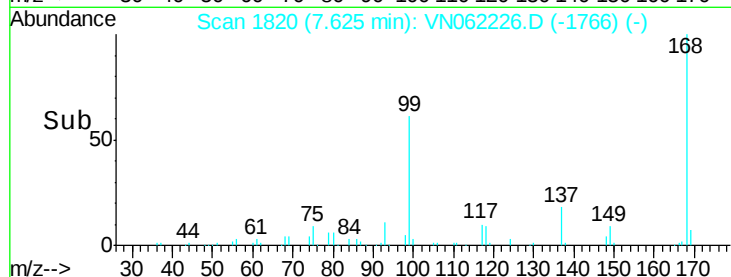
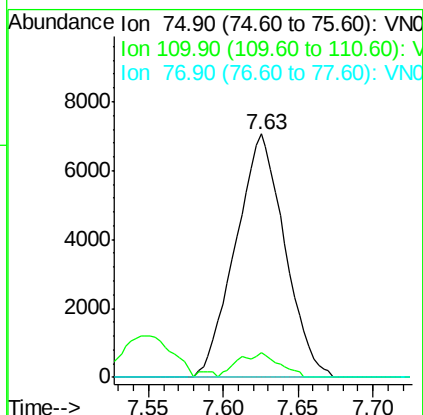
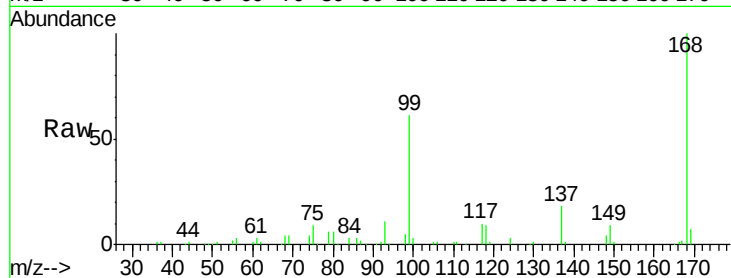




#36
 1,1-Dichloropropene
 Concen: 4.301 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

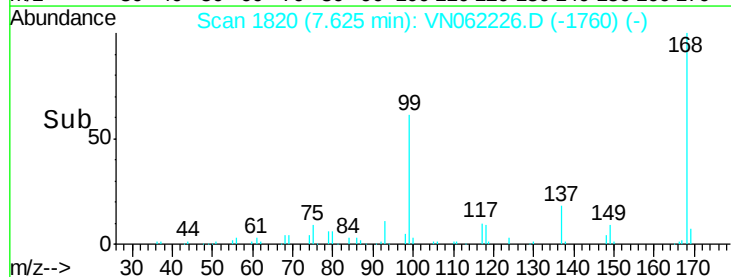
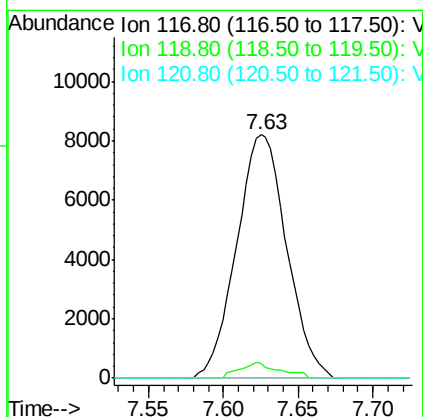
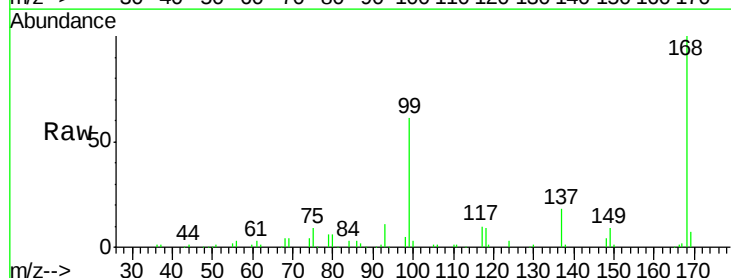
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6-S

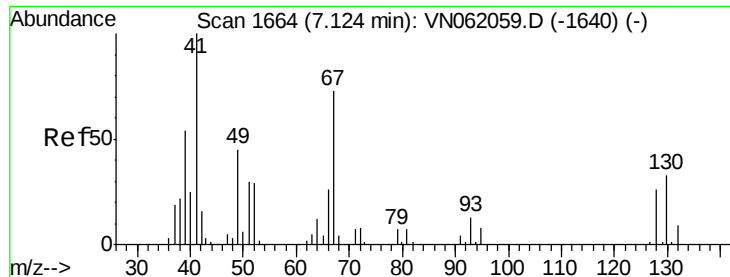
Tgt Ion: 75 Resp: 16117
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.401 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion: 117 Resp: 19081
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.2 117.2#
 121 0.0 25.8 38.6#





#41

Methacrylonitrile

Concen: 0.358 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.05 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

TP-6-S

Tgt Ion: 41 Resp: 515

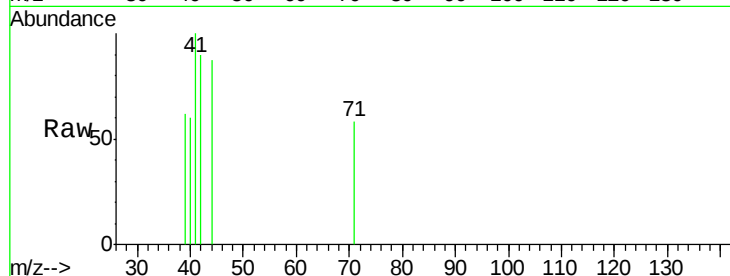
Ion Ratio Lower Upper

41 100

39 41.9 44.2 66.2#

67 0.0 79.5 119.3#

52 0.0 32.3 48.5#

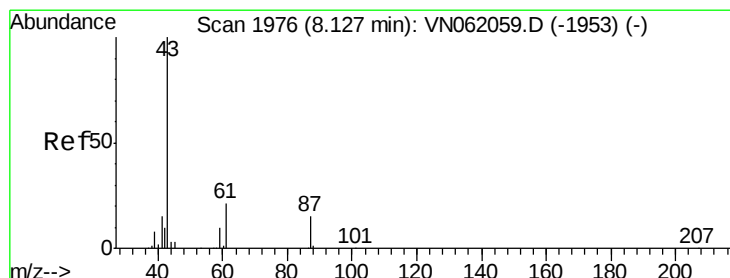
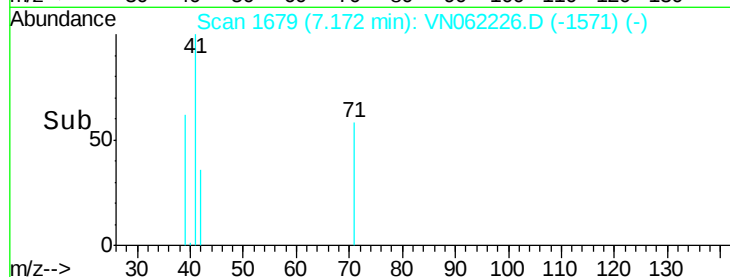
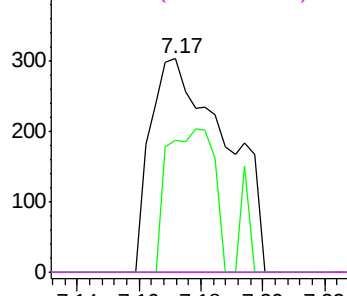


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 10.347 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

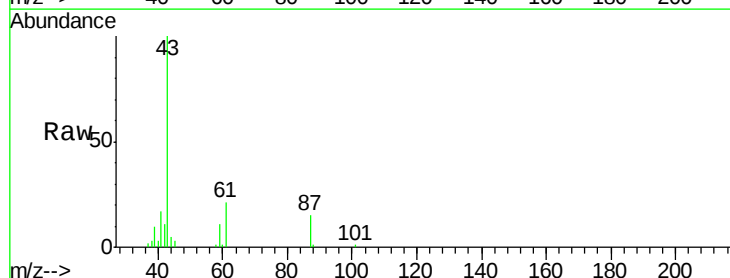
Tgt Ion: 43 Resp: 52335

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

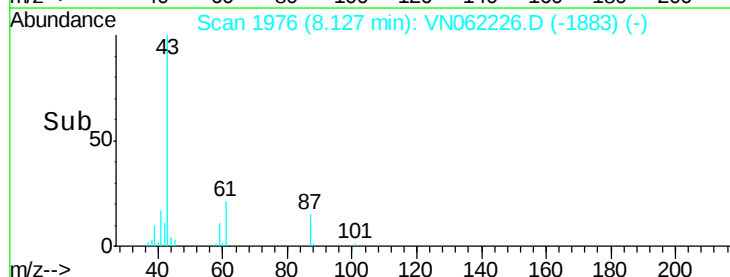
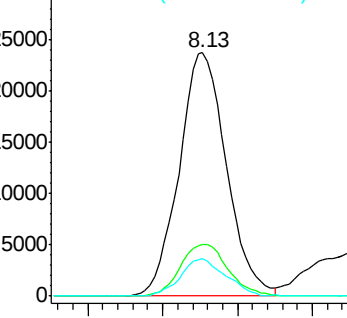
87 14.5 12.1 18.1

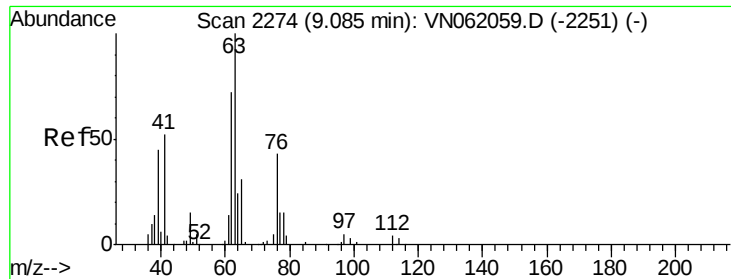


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

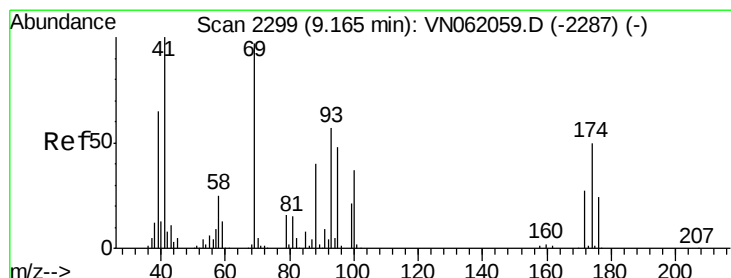
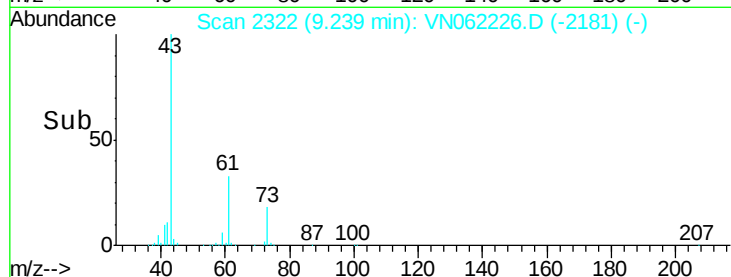
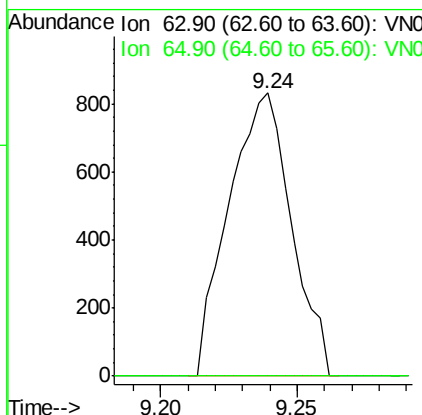
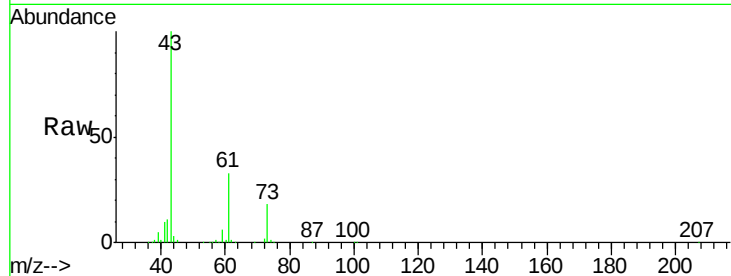




#45
 1,2-Dichloropropane
 Concen: 0.470 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

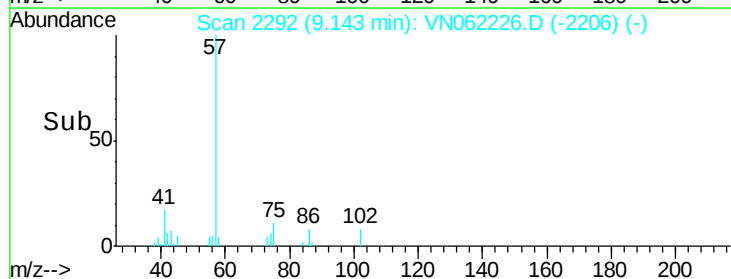
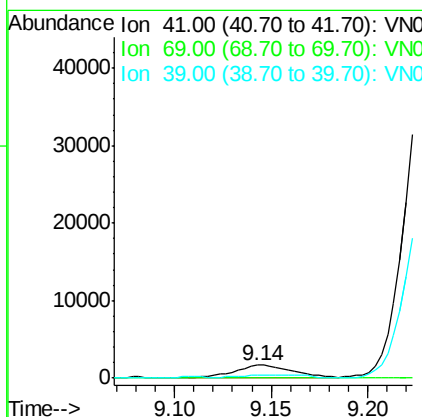
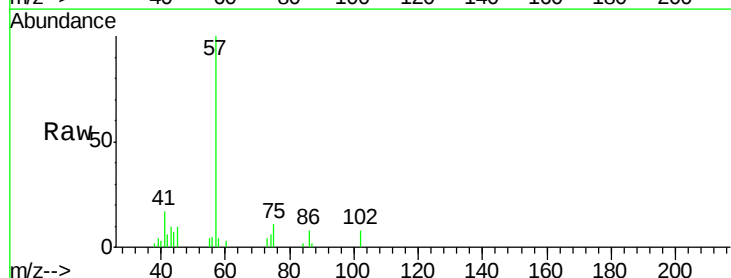
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6-S

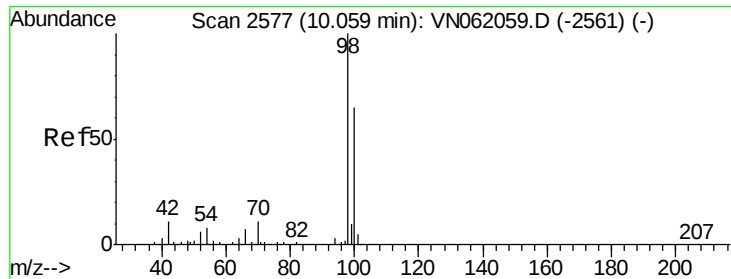
Tgt Ion: 63 Resp: 1325
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.520 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion: 41 Resp: 3448
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 0.0 54.5 81.7#





#50

Toluene-d8

Concen: 51.531 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

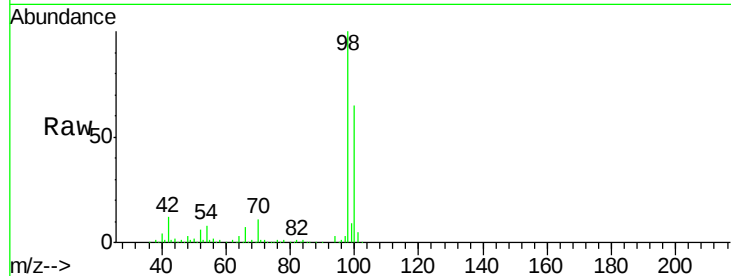
TP-6-S

Tgt Ion: 98 Resp: 492627

Ion Ratio Lower Upper

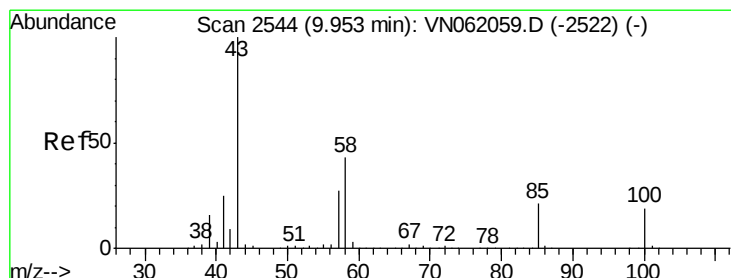
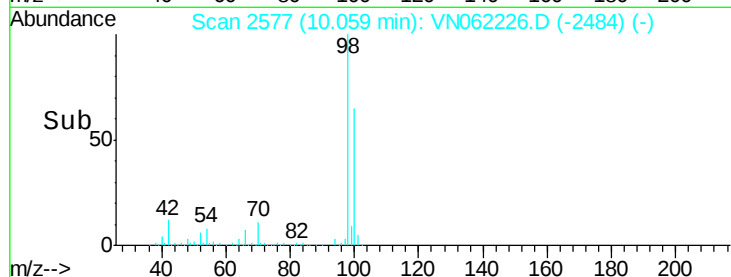
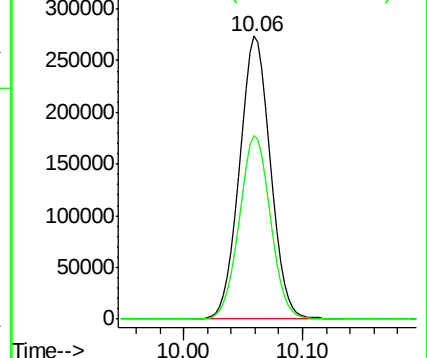
98 100

100 65.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.738 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062226.D

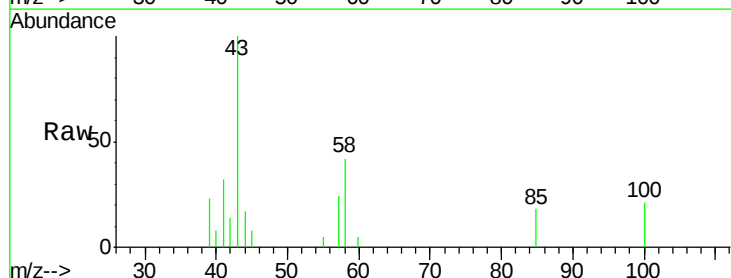
Acq: 30 Jun 2020 7:48

Tgt Ion: 43 Resp: 5135

Ion Ratio Lower Upper

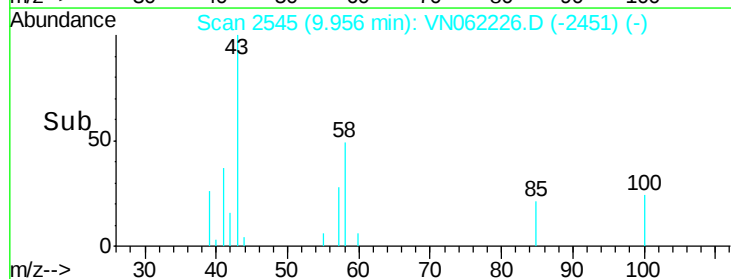
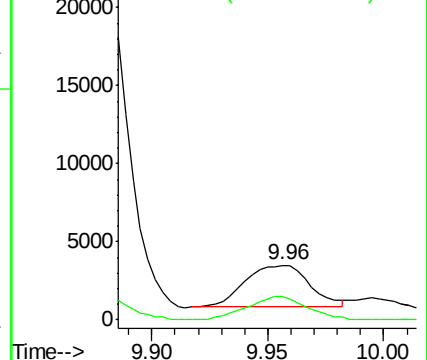
43 100

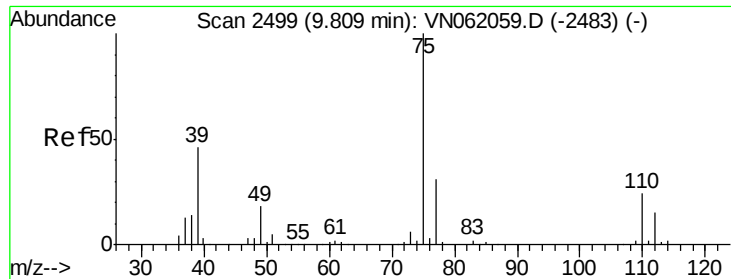
58 52.4 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

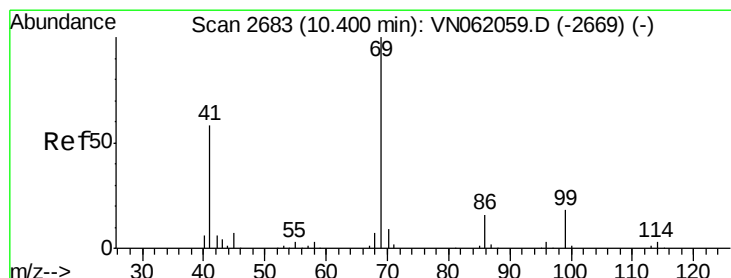
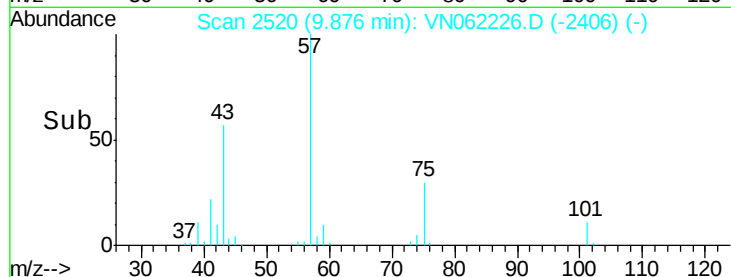
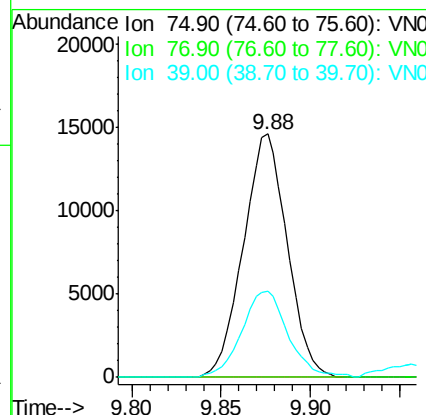
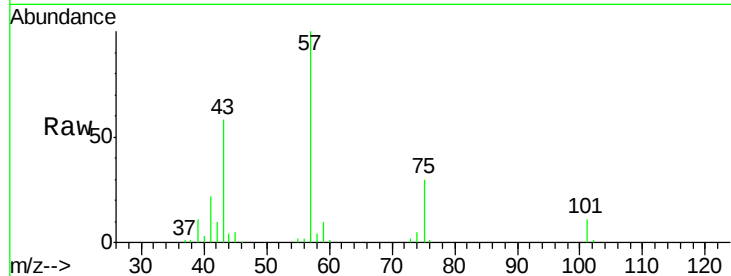




#54
 cis-1,3-Dichloropropene
 Concen: 5.564 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

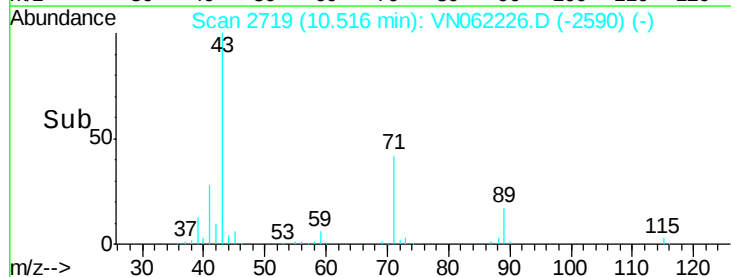
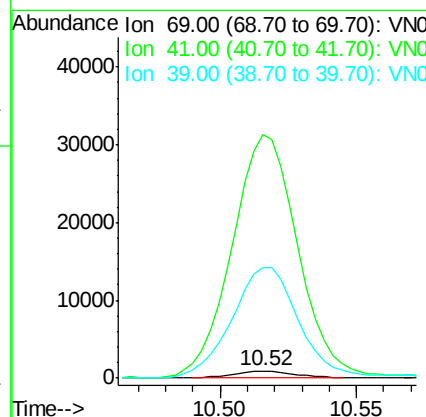
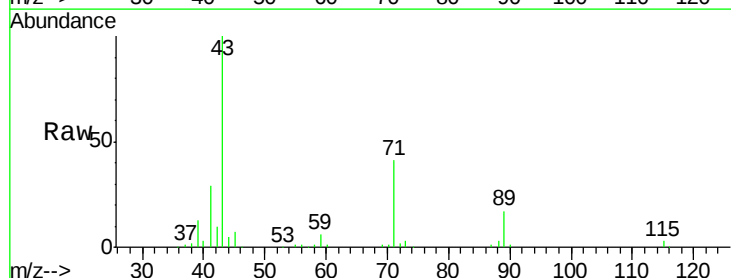
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6-S

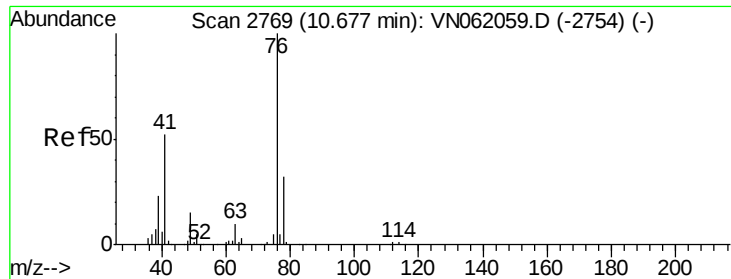
Tgt Ion: 75 Resp: 25136
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.5 36.9 55.3#



#56
 Ethyl methacrylate
 Concen: 0.379 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion: 69 Resp: 1385
 Ion Ratio Lower Upper
 69 100
 41 3803.1 46.6 70.0#
 39 1775.5 31.0 46.4#

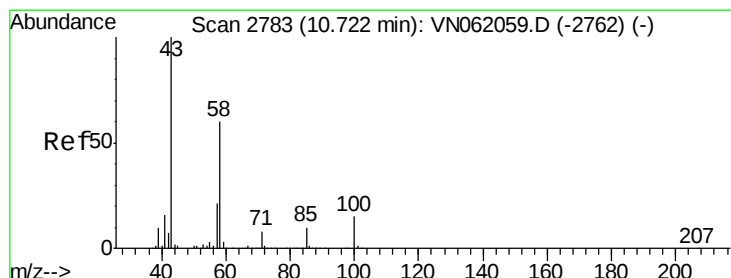
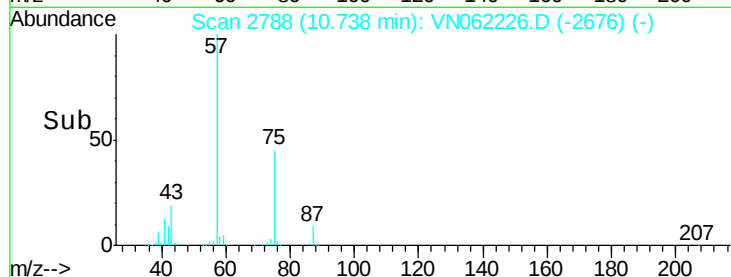
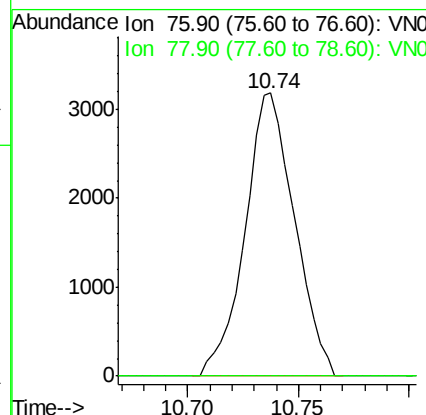
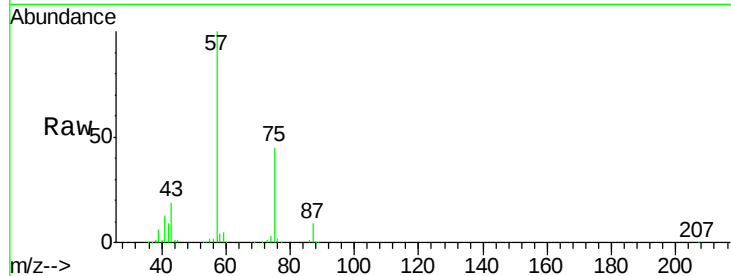




#57
 1,3-Dichloropropane
 Concen: 1.052 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

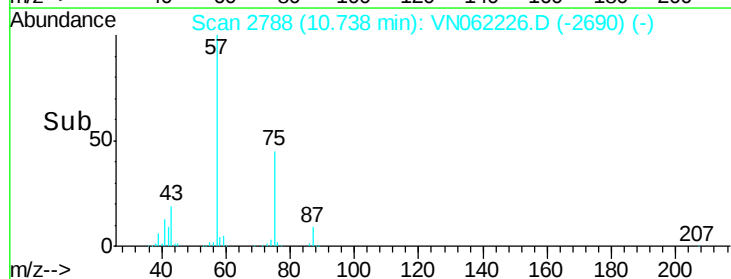
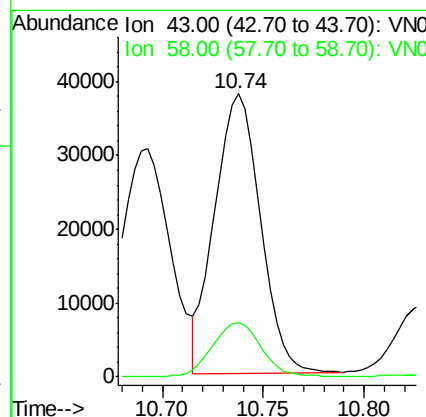
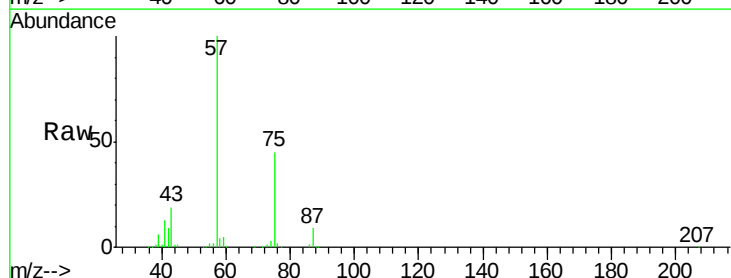
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6-S

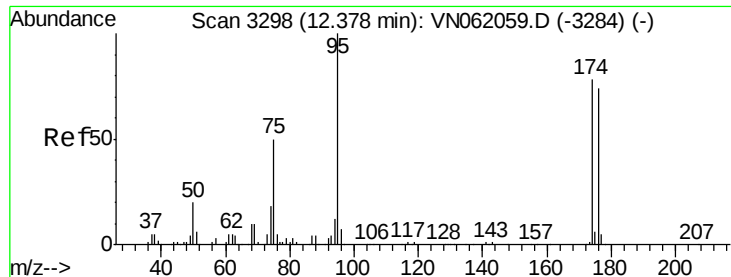
Tgt Ion: 76 Resp: 4959
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 28.049 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062226.D
 Acq: 30 Jun 2020 7:48

Tgt Ion: 43 Resp: 59854
 Ion Ratio Lower Upper
 43 100
 58 20.8 29.5 88.5#

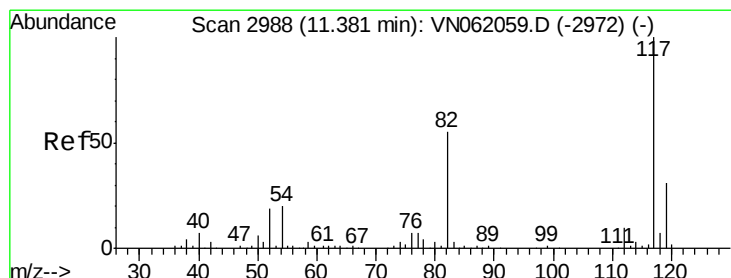
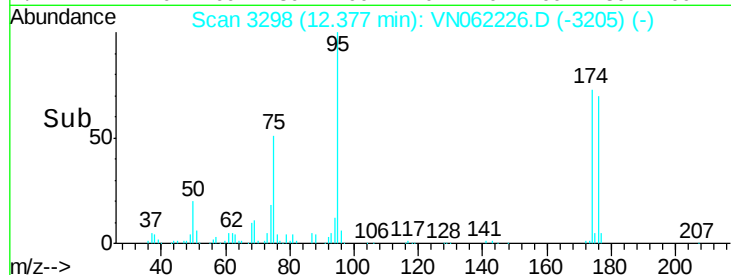
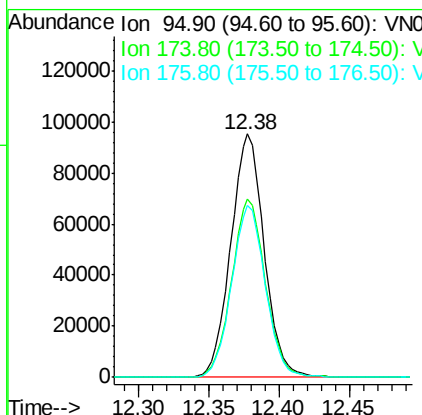
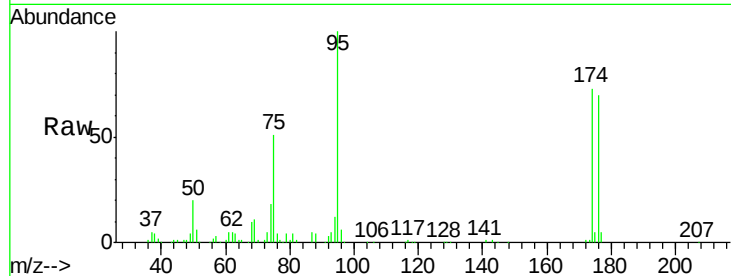




#62
4-Bromofluorobenzene
Concen: 48.930 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

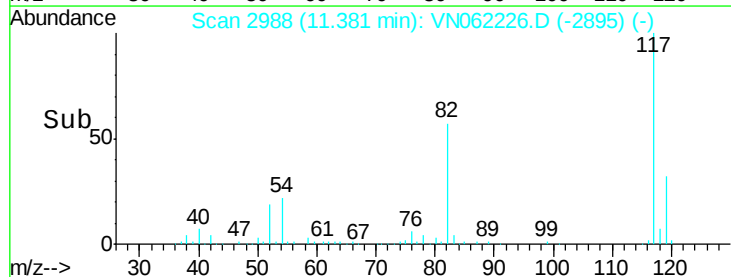
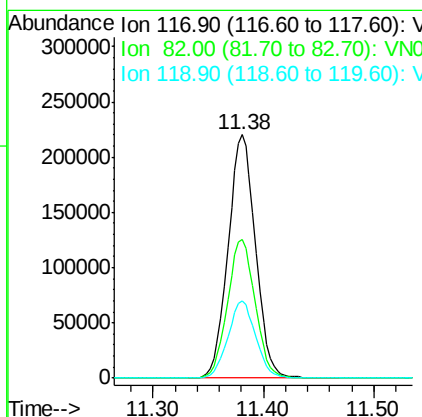
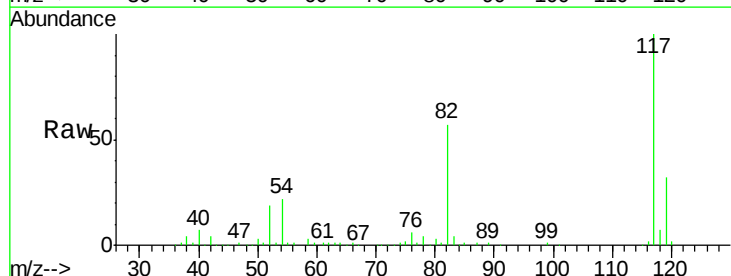
Instrument :
MSVOA_N
ClientSampleId :
TP-6-S

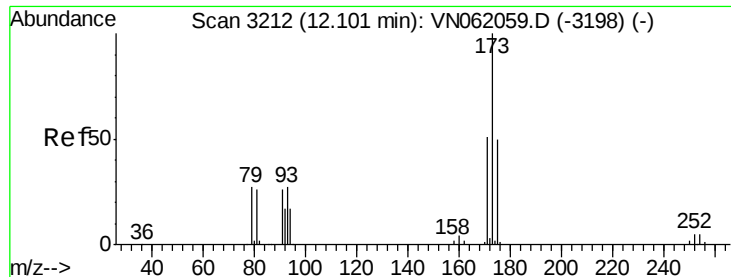
Tgt Ion: 95 Resp: 158038
Ion Ratio Lower Upper
95 100
174 74.5 0.0 154.8
176 71.3 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

Tgt Ion: 117 Resp: 379301
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 31.7 25.2 37.8





#71

Bromoform

Concen: 0.434 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampled :

TP-6-S

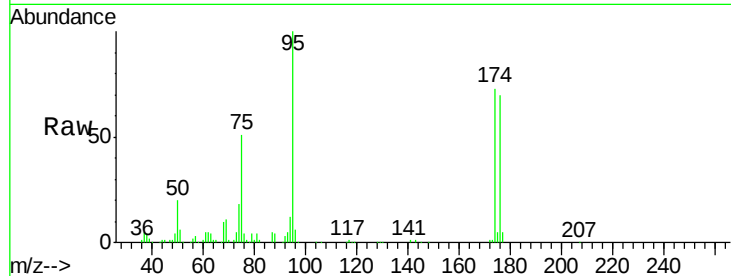
Tgt Ion:173 Resp: 889

Ion Ratio Lower Upper

173 100

175 817.1 24.7 74.1#

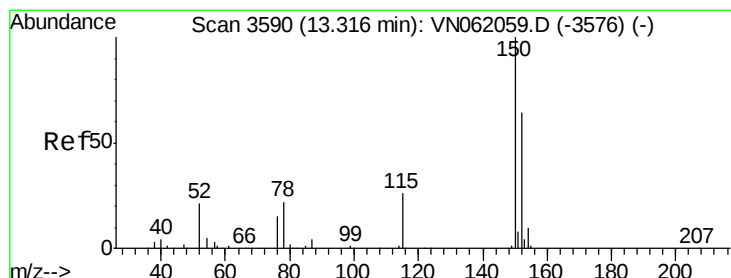
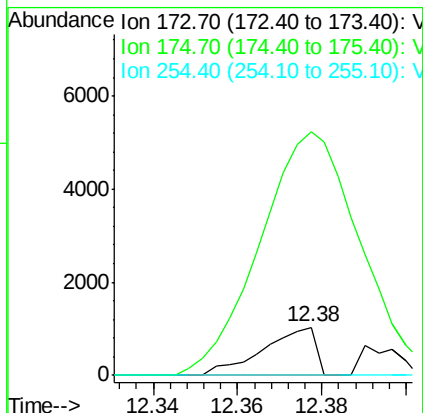
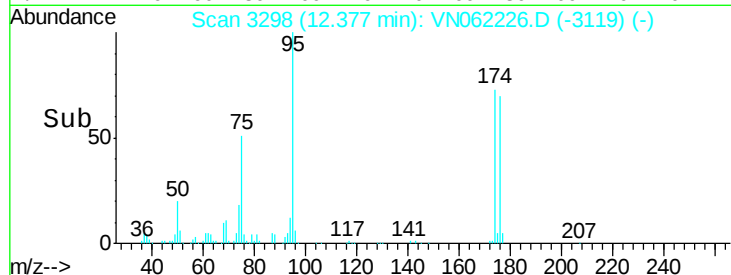
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

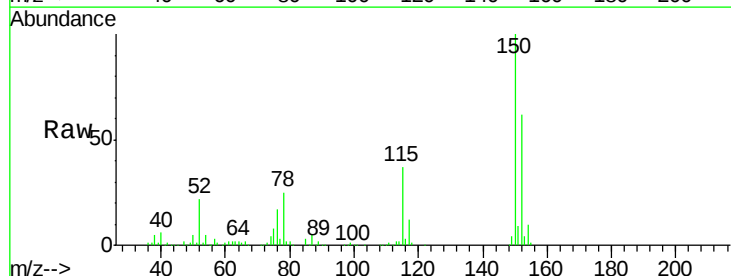
Tgt Ion:152 Resp: 131420

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

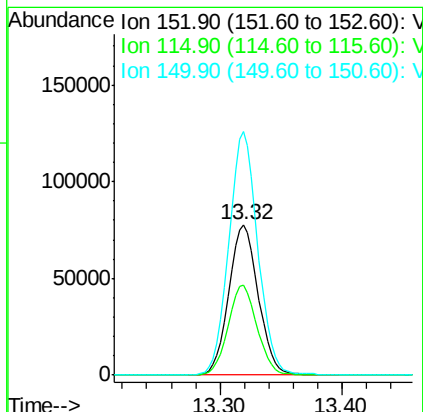
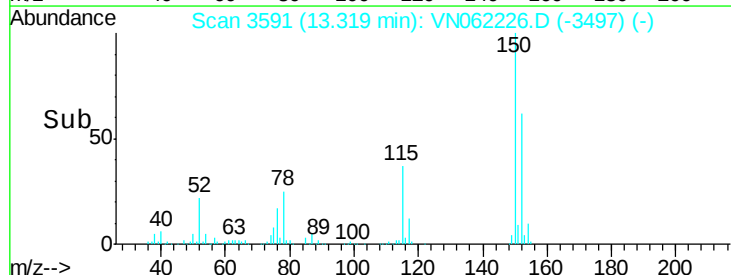
150 158.8 0.0 351.4

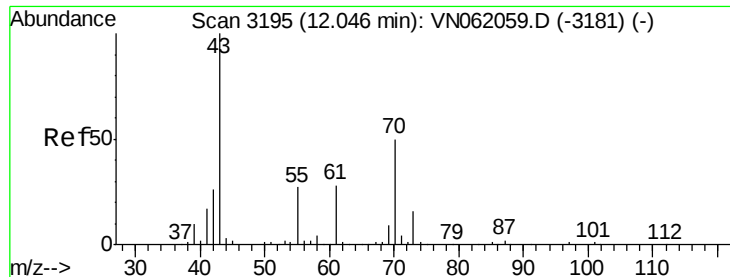


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

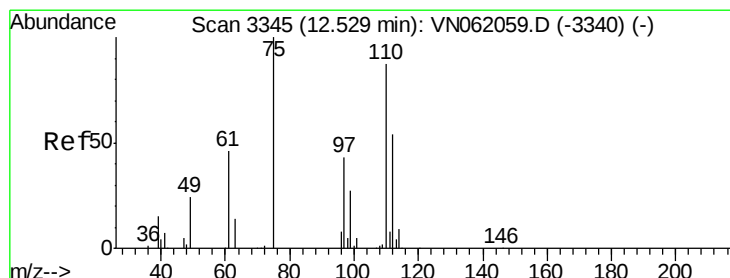
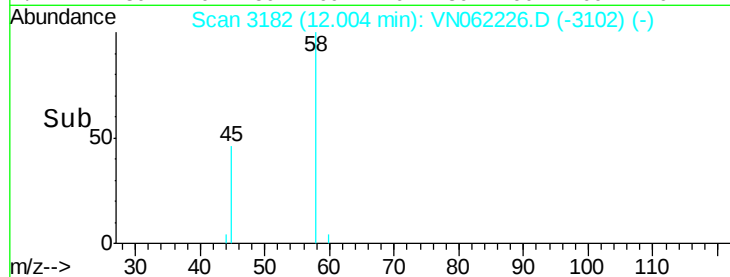
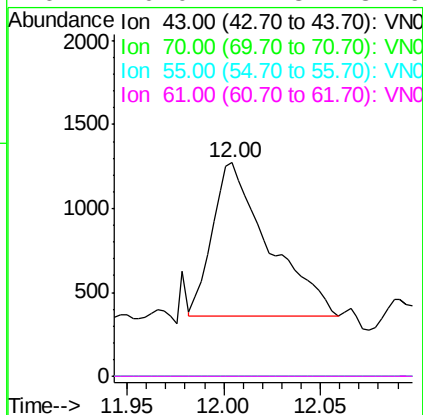
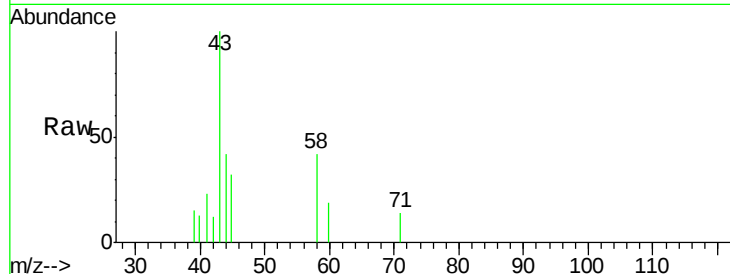




#74
N-amyI acetate
Concen: 3.808 ug/l
RT: 12.00 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

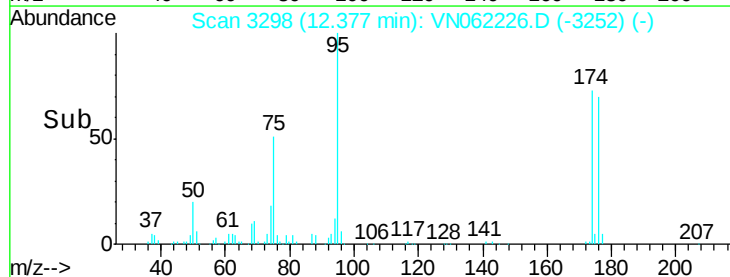
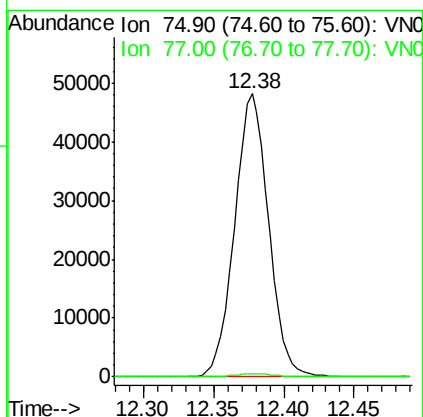
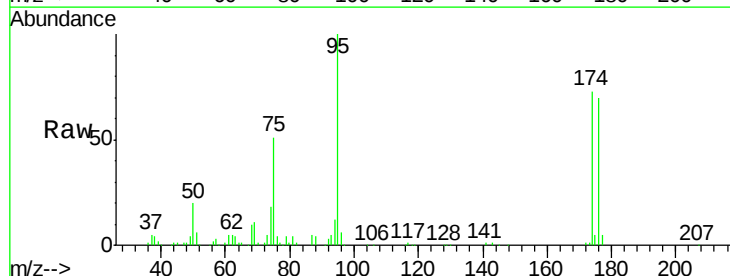
Instrument :
MSVOA_N
ClientSampleId :
TP-6-S

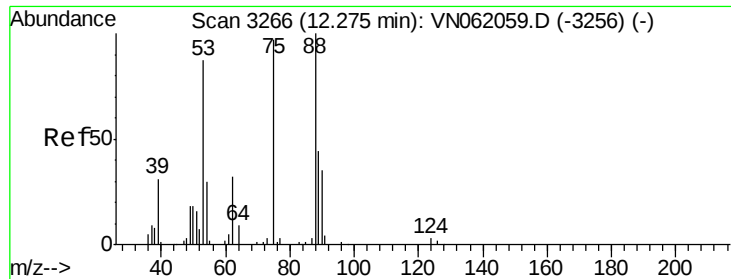
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
70 0.0 39.4 59.2#
55 0.0 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 26.219 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062226.D
Acq: 30 Jun 2020 7:48

Tgt Ion: 75 Resp: 81116
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 76.571 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062226.D

Acq: 30 Jun 2020 7:48

Instrument :

MSVOA_N

ClientSampleId :

TP-6-S

Tgt Ion: 75 Resp: 81116

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

