

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062713.D
 Acq On : 1 Aug 2020 3:11
 Operator : JC/MD
 Sample : L3518-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Aug 01 06:13:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	273490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	125455	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
35) Dibromofluoromethane	7.55	113	86371	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.06	98	348517	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.38	95	134551	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	

Target Compounds

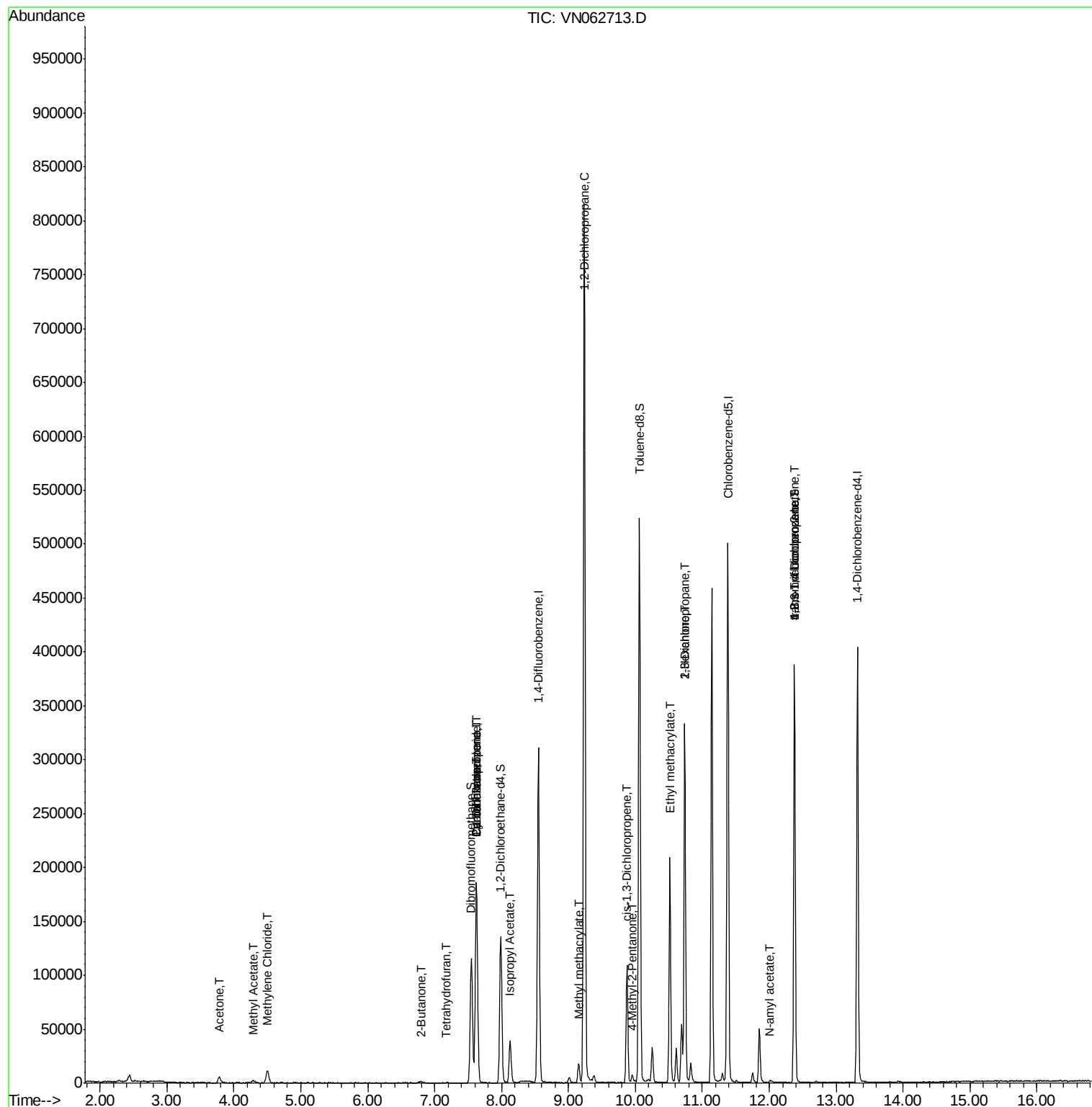
					Qvalue	
16) Acetone	3.78	43	9460	11.283	ug/l	93
18) Methyl Acetate	4.29	43	4905	2.311	ug/l #	69
20) Methylene Chloride	4.50	84	8974	4.463	ug/l	88
25) 2-Butanone	6.80	43	1276	0.999	ug/l #	52
29) Tetrahydrofuran	7.17	42	173	0.200	ug/l #	38
31) Cyclohexane	7.63	56	3504	1.067	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	12720	4.658	ug/l #	50
38) Carbon Tetrachloride	7.62	117	15729	5.993	ug/l #	17
43) Isopropyl Acetate	8.13	43	45610	9.612	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	838	0.361	ug/l #	44
48) Methyl methacrylate	9.15	41	2802	1.242	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4981	1.754	ug/l	96
54) cis-1,3-Dichloropropene	9.88	75	18572	5.350	ug/l #	66
56) Ethyl methacrylate	10.52	69	926	2.036	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3244	0.951	ug/l #	42
59) 2-Hexanone	10.74	43	49590	25.277	ug/l #	53
74) N-amyl acetate	12.01	43	2208	0.589	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	73394	27.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73394	75.630	ug/l #	12

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

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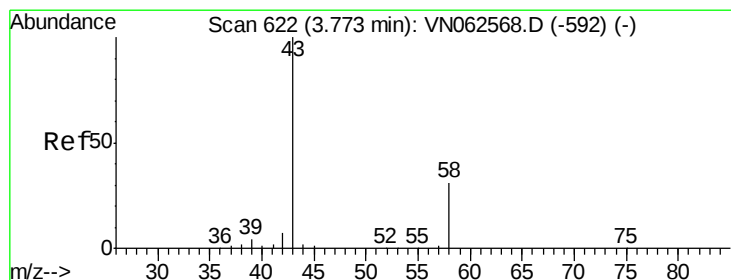
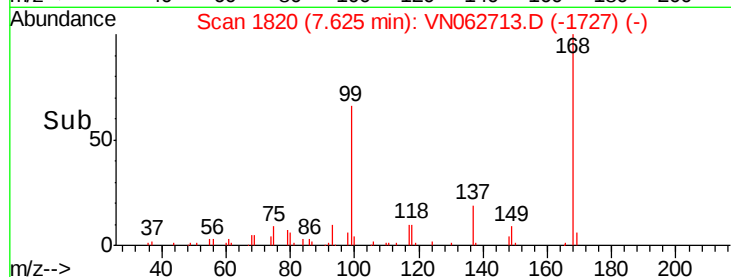
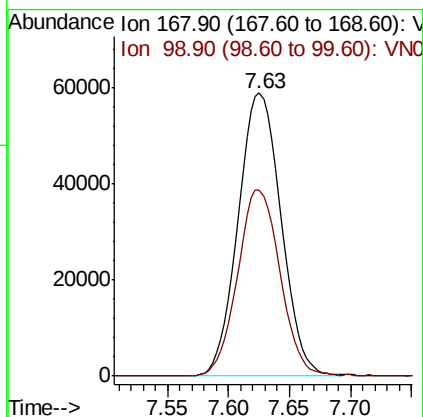
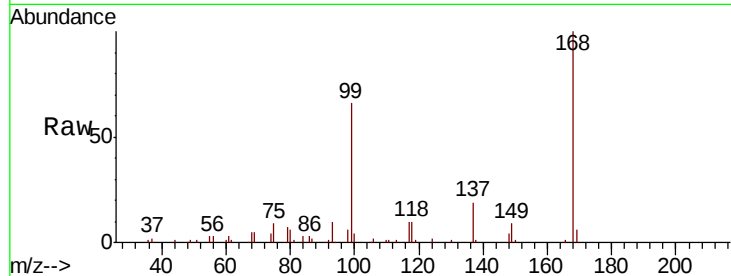




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

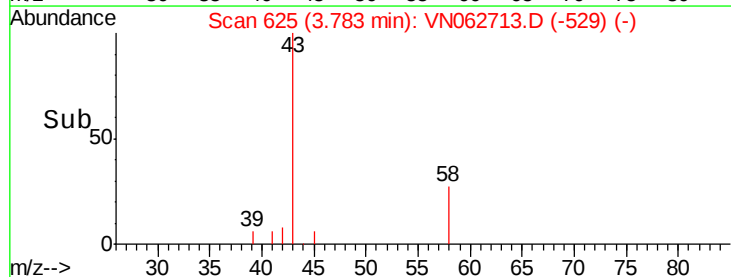
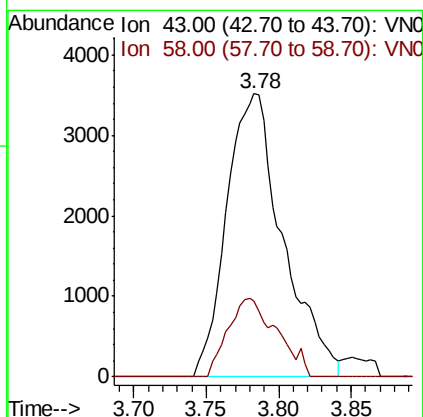
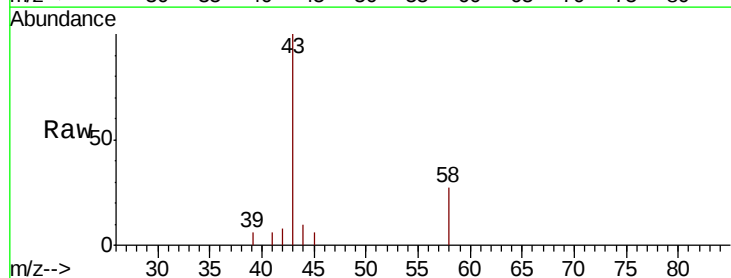
Instrument :
MSVOA_N
ClientSampled :
TP-4

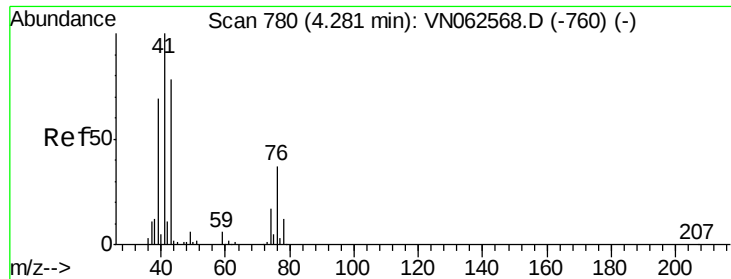
Tot Ion:168 Resp: 143427
Ion Ratio Lower Upper
168 100
99 65.7 48.4 72.6



#16
Acetone
Concen: 11.283 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 43 Resp: 9460
Ion Ratio Lower Upper
43 100
58 26.8 24.6 37.0

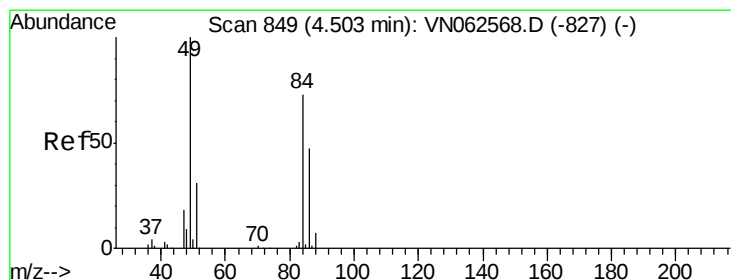
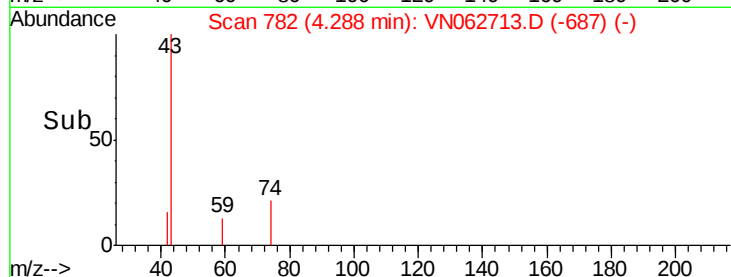
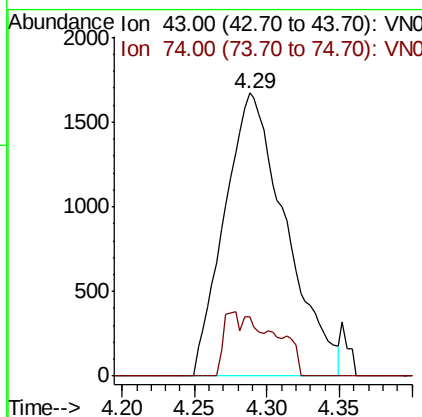
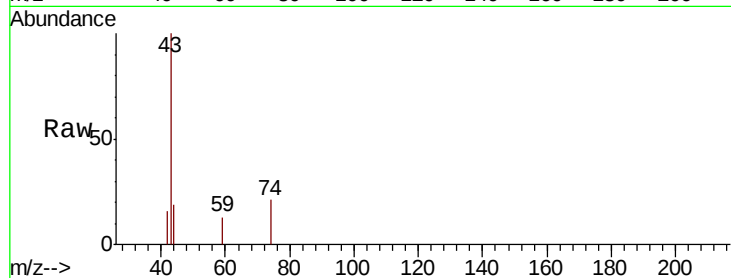




#18
Methvl Acetate
Concen: 2.311 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

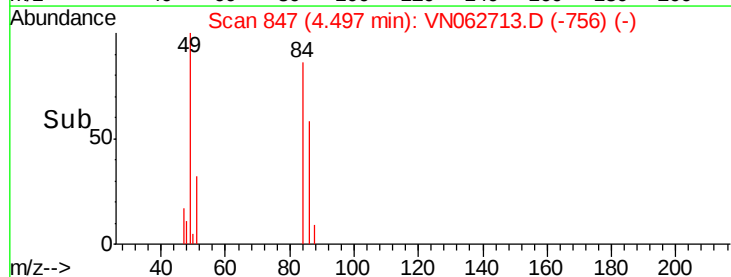
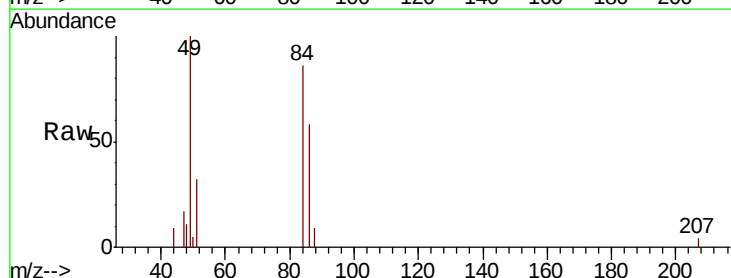
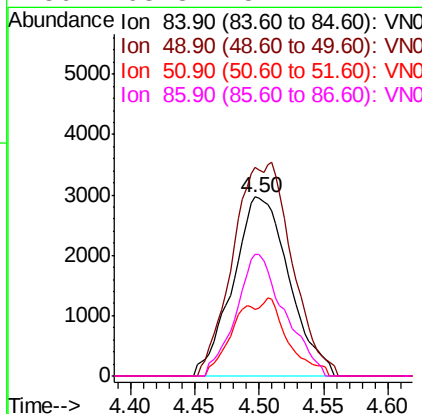
Instrument :
MSVOA_N
ClientSampleId :
TP-4

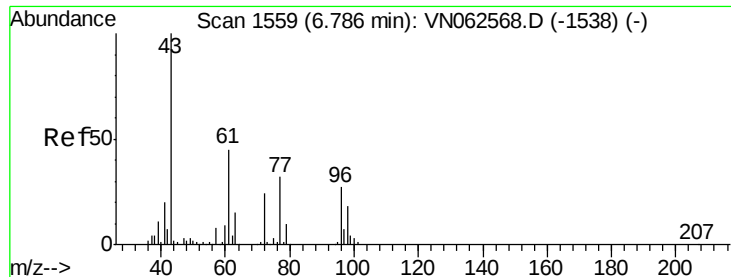
Tot Ion: 43 Resp: 4905
Ion Ratio Lower Upper
43 100
74 6.1 16.6 24.8#



#20
Methylene Chloride
Concen: 4.463 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 84 Resp: 8974
Ion Ratio Lower Upper
84 100
49 116.8 109.4 164.0
51 37.2 33.6 50.4
86 68.3 51.4 77.2

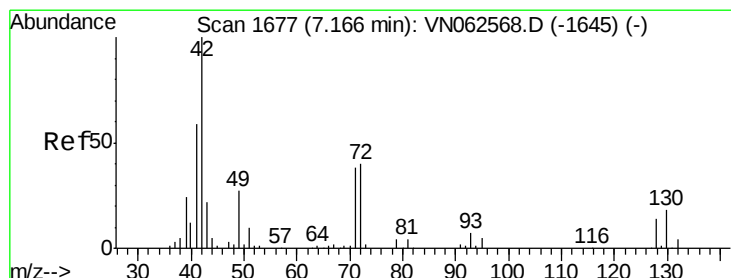
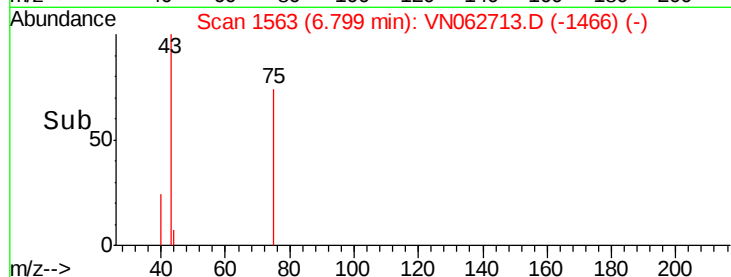
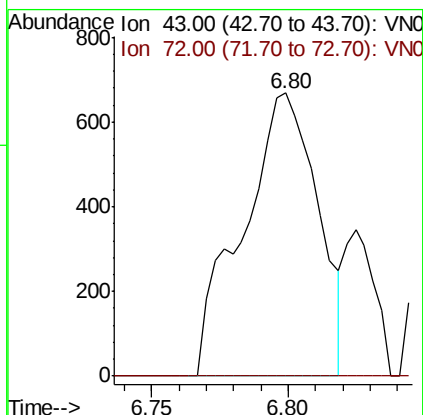
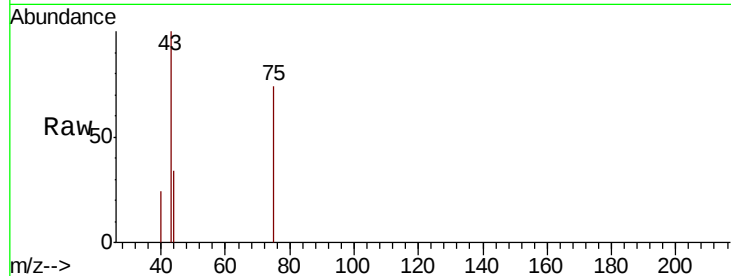




#25
2-Butanone
Concen: 0.999 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

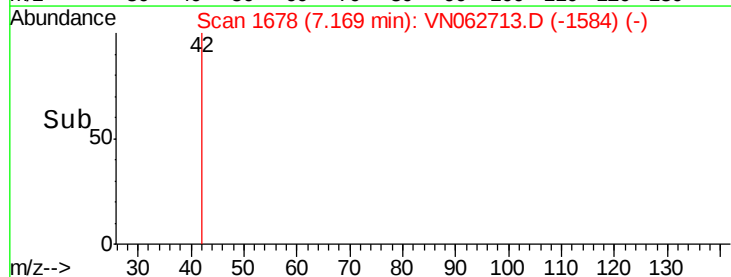
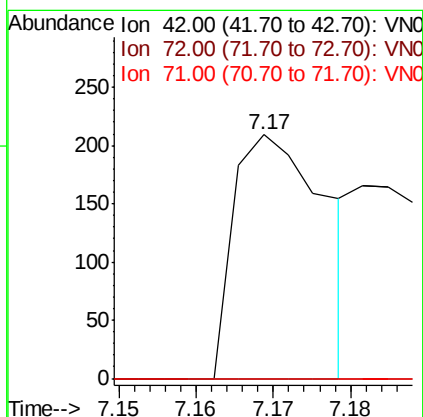
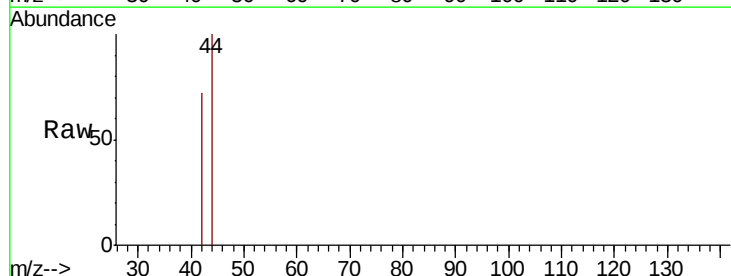
Instrument :
MSVOA_N
ClientSampled :
TP-4

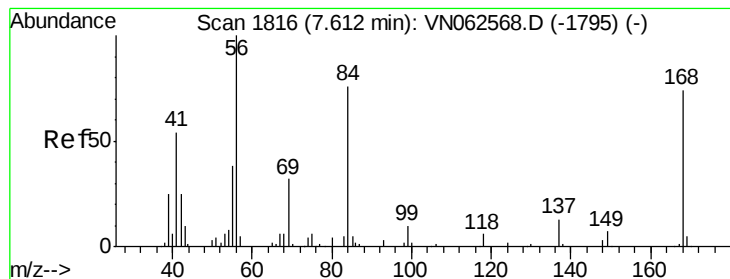
Tot Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#29
Tetrahydrofuran
Concen: 0.200 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 42 Resp: 173
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 29.1 43.7#





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062713.D

Acq: 1 Aug 2020 3:11

Instrument :

MSVOA_N

ClientSampled :

TP-4

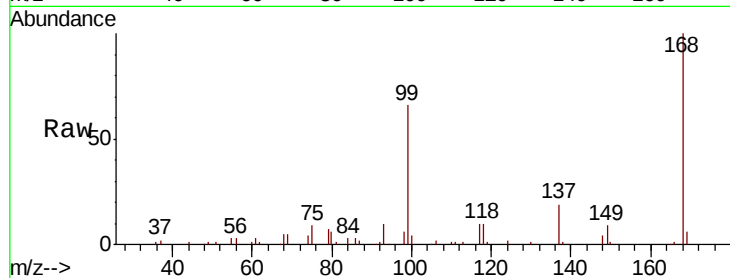
Tot Ion: 56 Resp: 3504

Ion Ratio Lower Upper

56 100

69 170.6 25.3 37.9#

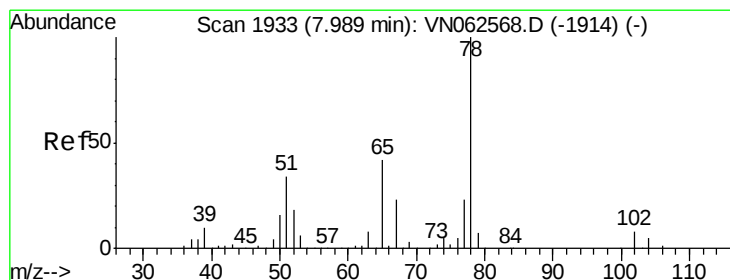
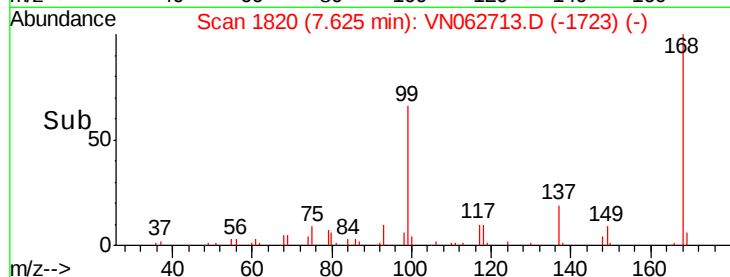
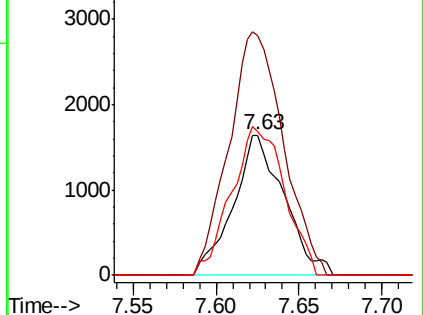
84 102.0 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 56.307 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062713.D

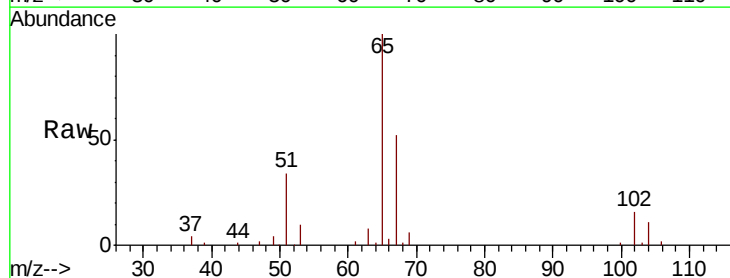
Acq: 1 Aug 2020 3:11

Tgt Ion: 65 Resp: 125455

Ion Ratio Lower Upper

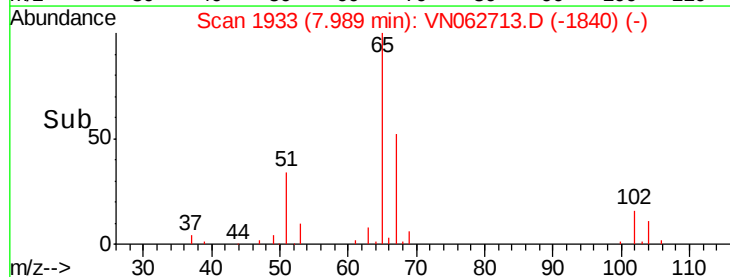
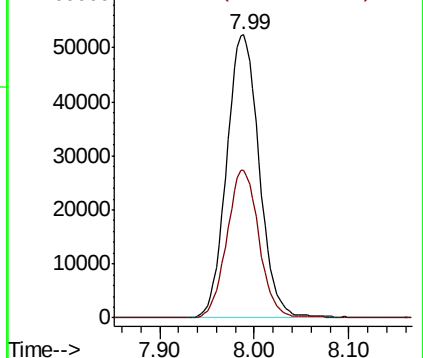
65 100

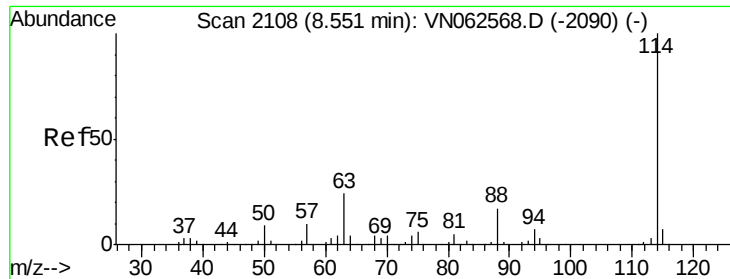
67 51.4 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

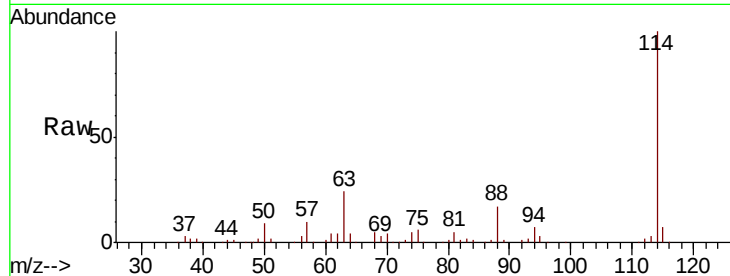




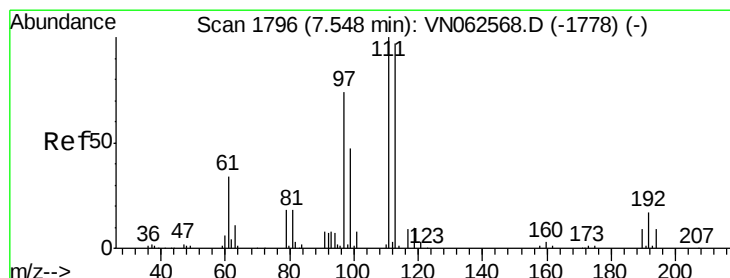
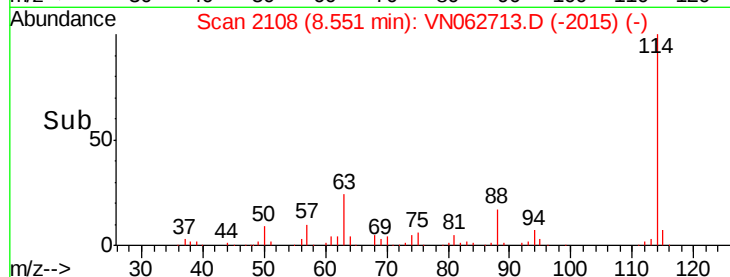
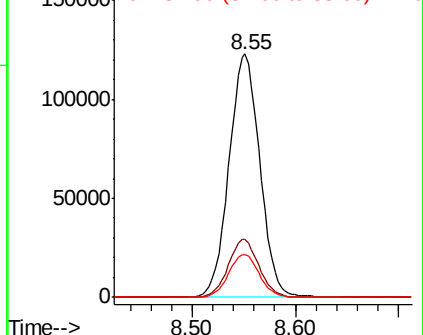
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Tot Ion:114 Resp: 256174
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.4
 88 17.5 0.0 33.8

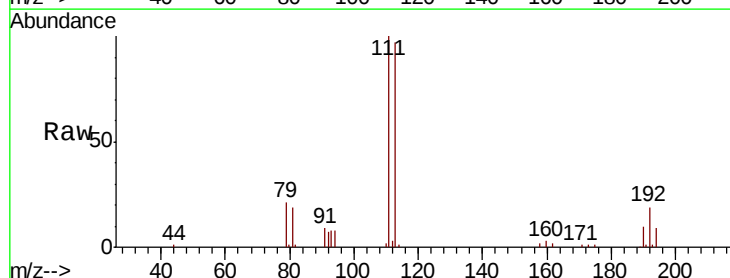


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

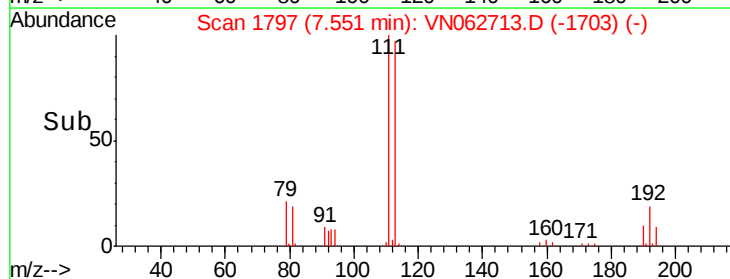
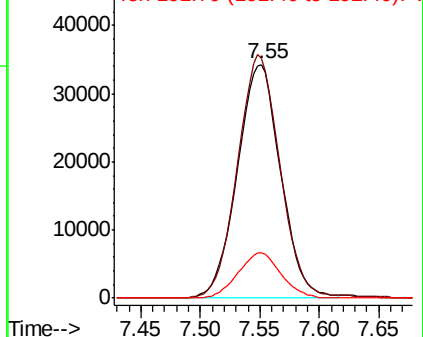


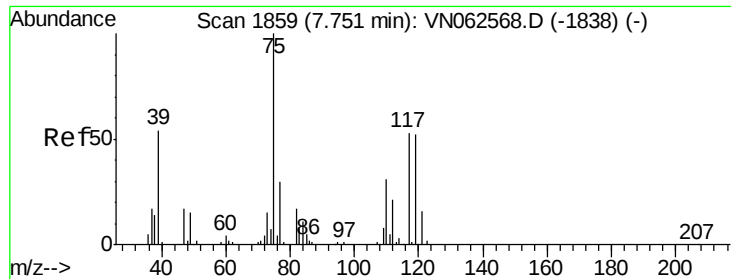
#35
 Dibromofluoromethane
 Concen: 51.329 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

Tgt Ion:113 Resp: 86371
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 19.2 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

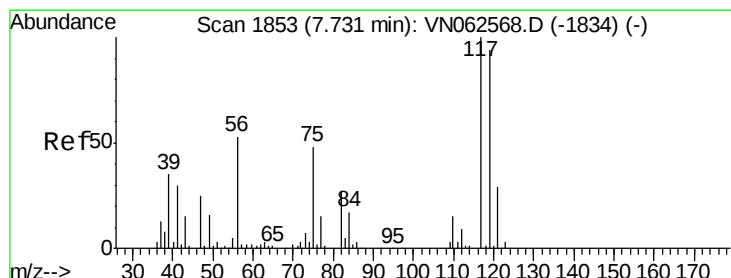
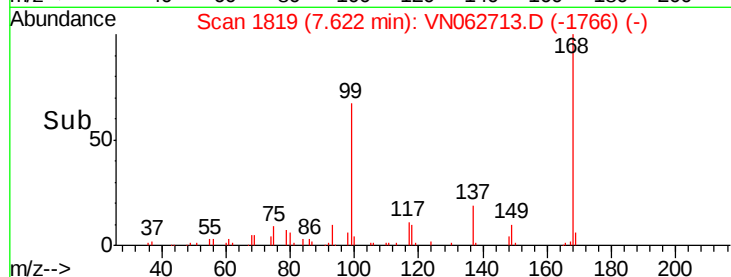
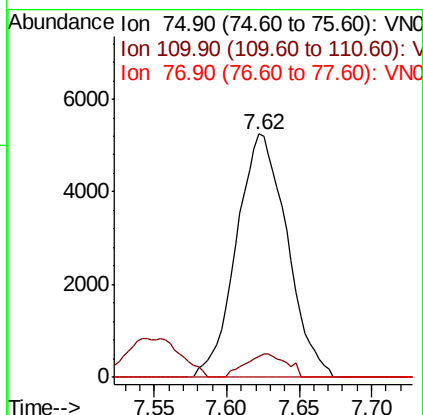
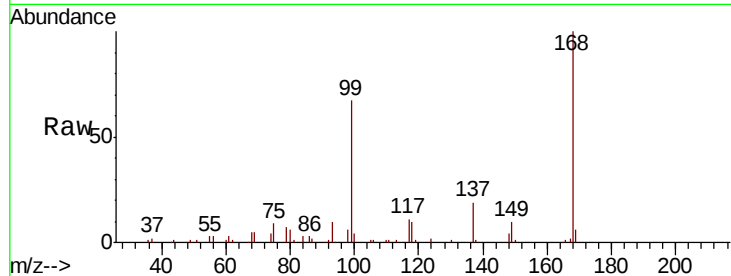




#36
 1,1-Dichloropropene
 Concen: 4.658 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

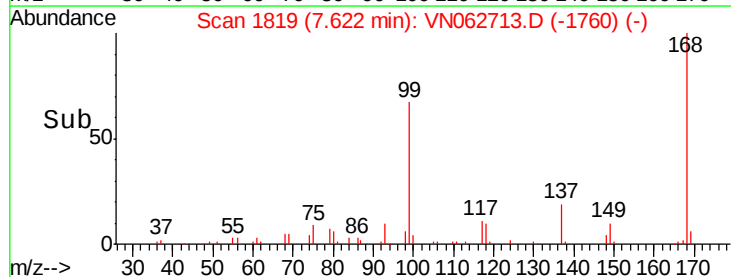
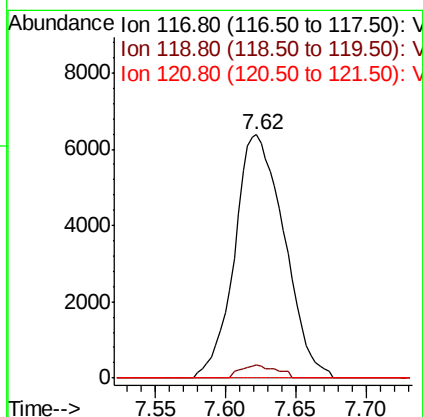
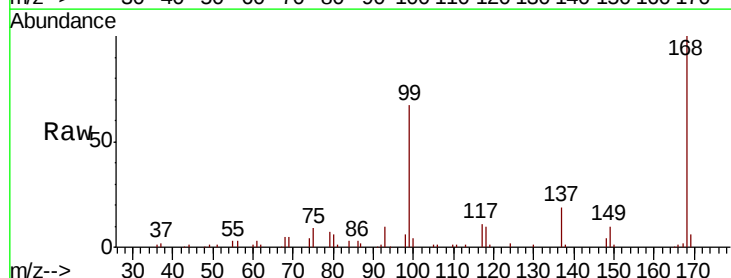
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

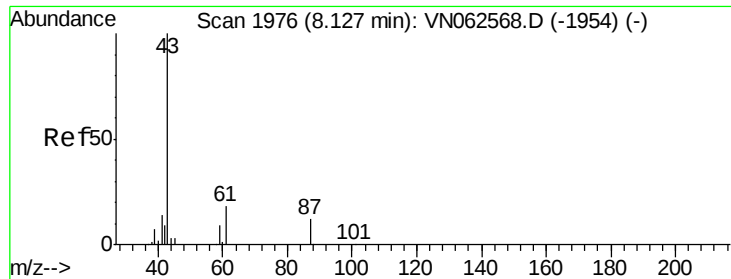
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.993 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 9.612 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062713.D

Acq: 1 Aug 2020 3:11

Instrument :

MSVOA_N

ClientSampled :

TP-4

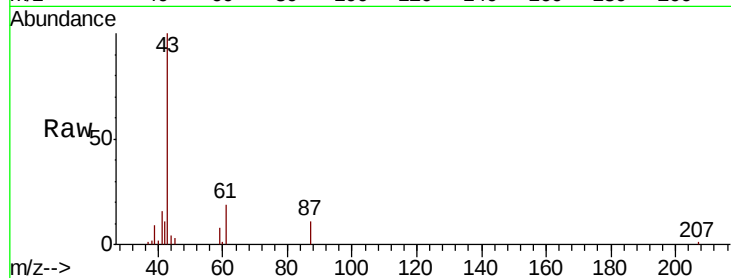
Tot Ion: 43 Resp: 45610

Ion Ratio Lower Upper

43 100

61 17.8 20.8 31.2#

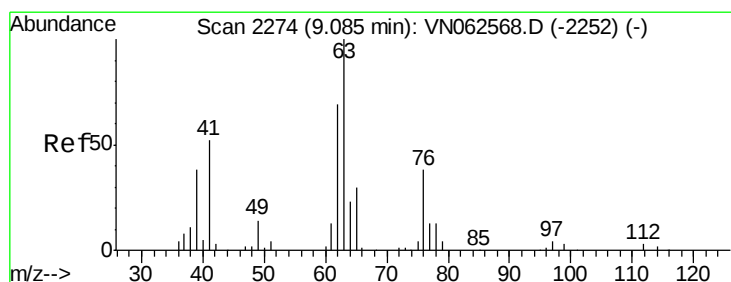
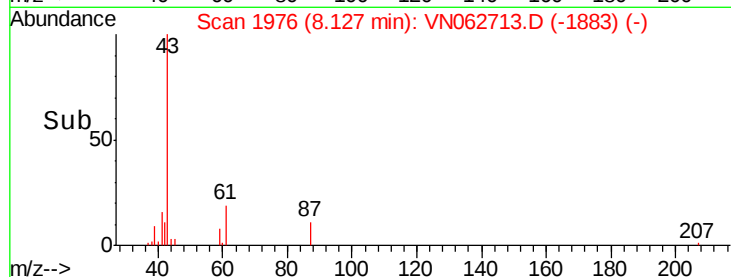
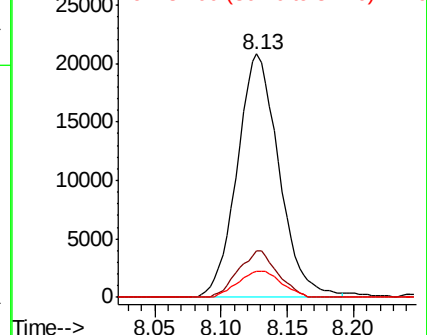
87 11.1 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062713.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062713.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062713.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.361 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062713.D

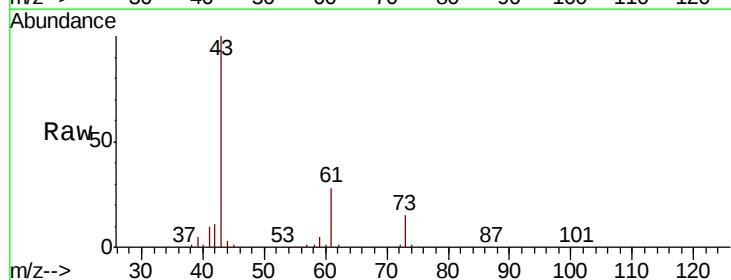
Acq: 1 Aug 2020 3:11

Tgt Ion: 63 Resp: 838

Ion Ratio Lower Upper

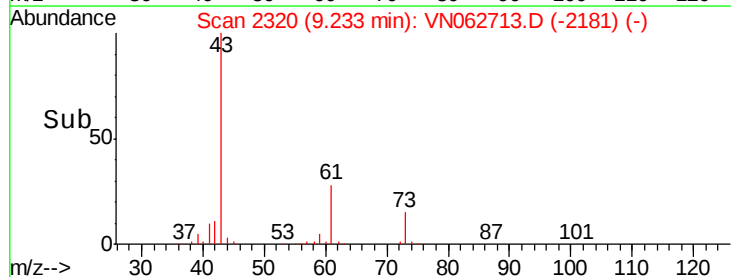
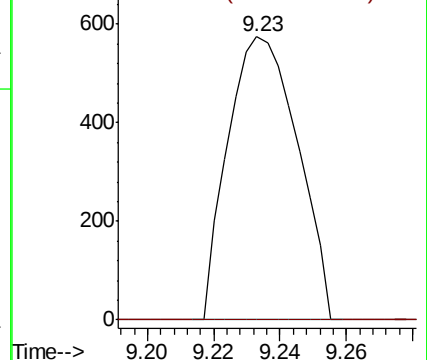
63 100

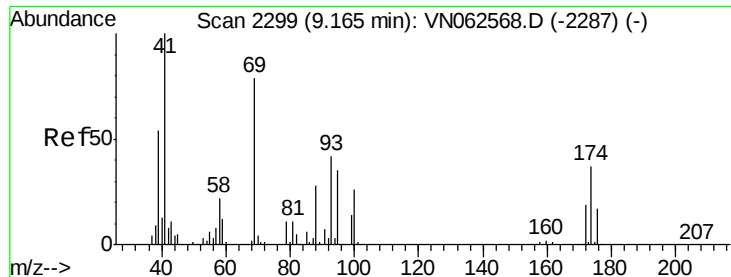
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062713.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062713.D (-2181) (-)

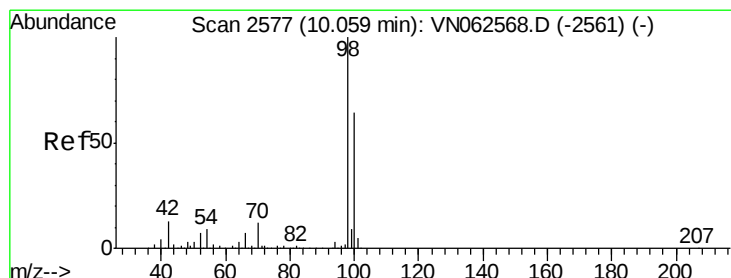
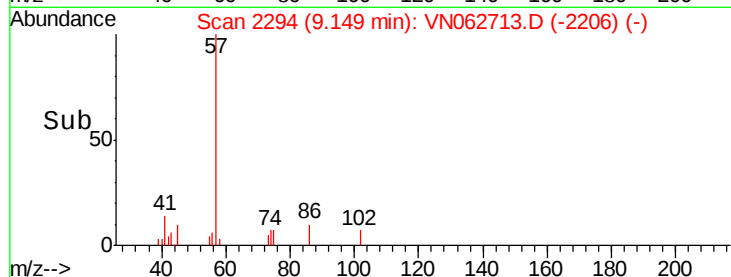
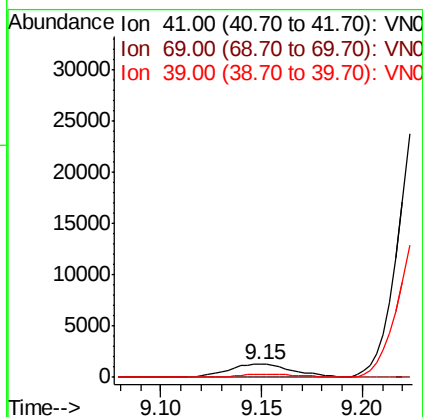
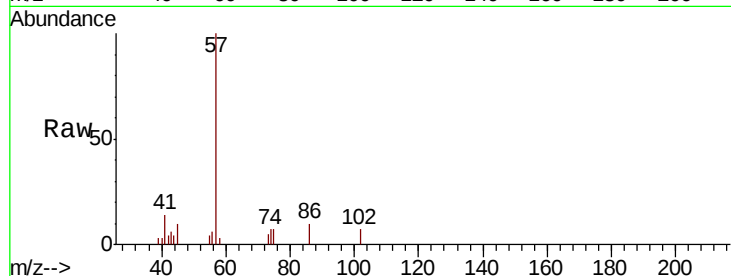




#48
Methvl methacrylate
Concen: 1.242 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

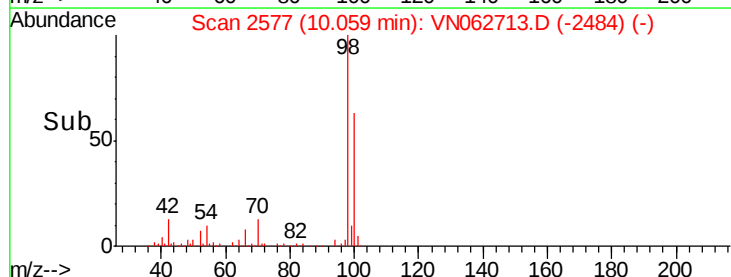
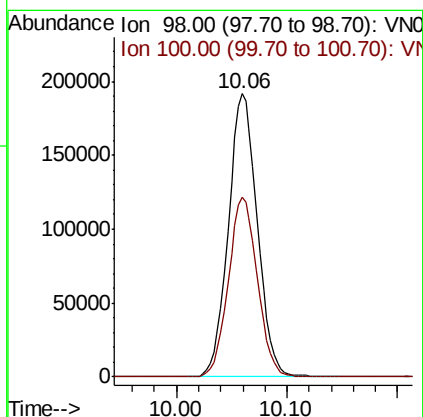
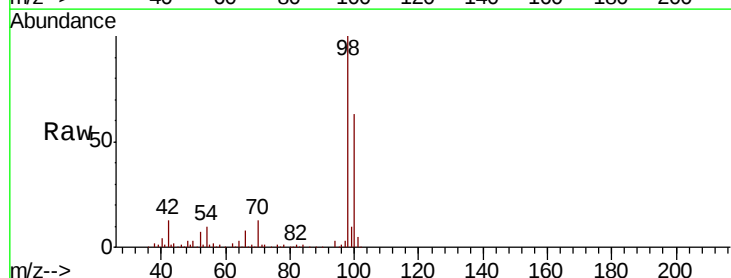
Instrument :
MSVOA_N
ClientSampled :
TP-4

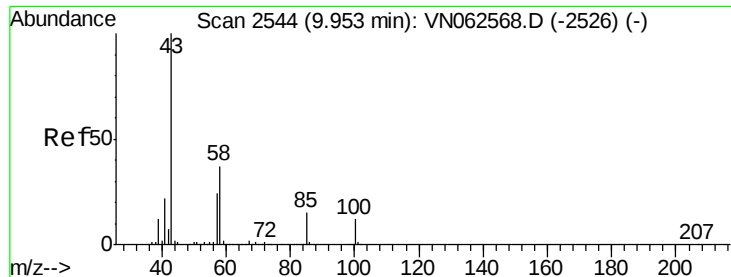
Tot Ion: 41 Resp: 2802
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 51.910 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 98 Resp: 348517
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

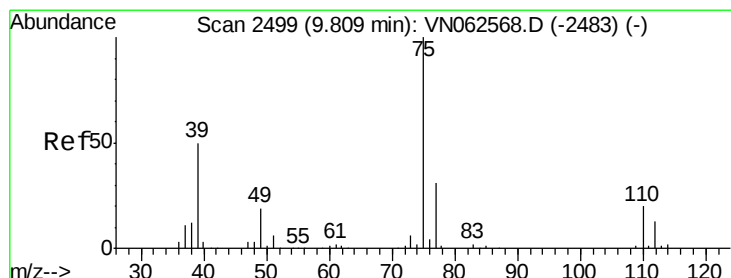
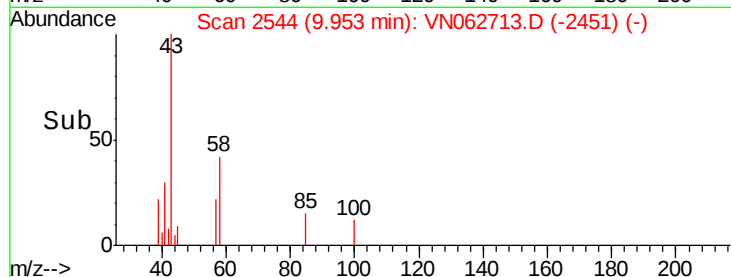
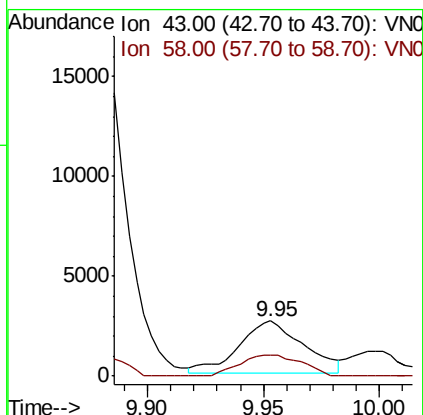
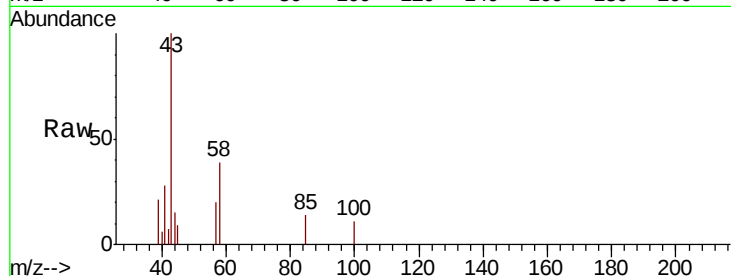




#51
 4-Methyl-2-Pentanone
 Concen: 1.754 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

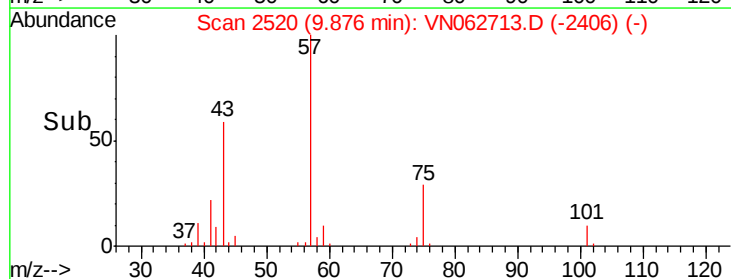
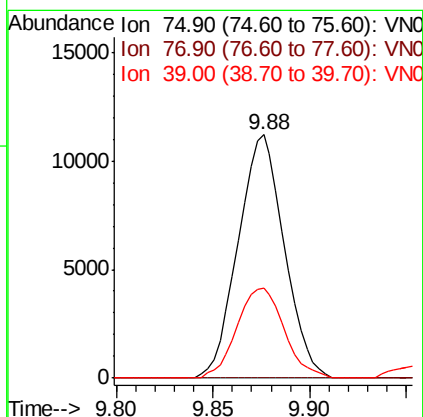
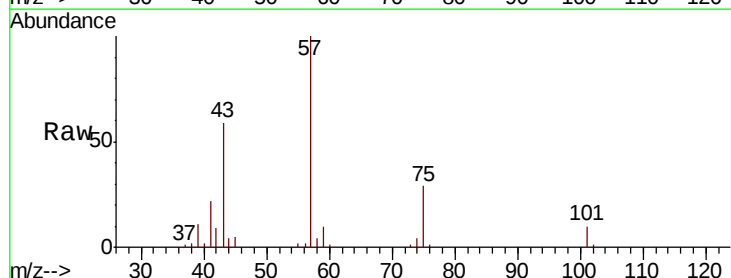
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

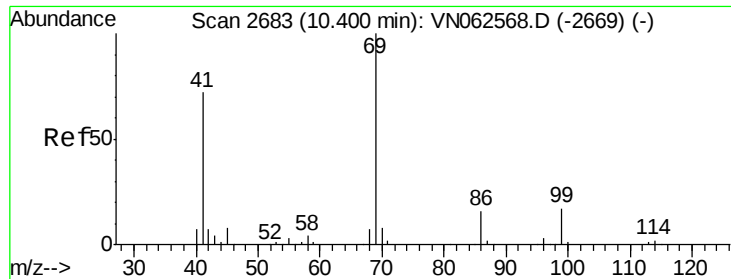
Tot Ion: 43 Resp: 4981
 Ion Ratio Lower Upper
 43 100
 58 39.6 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.350 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062713.D
 Acq: 1 Aug 2020 3:11

Tgt Ion: 75 Resp: 18572
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 36.7 39.8 59.8#

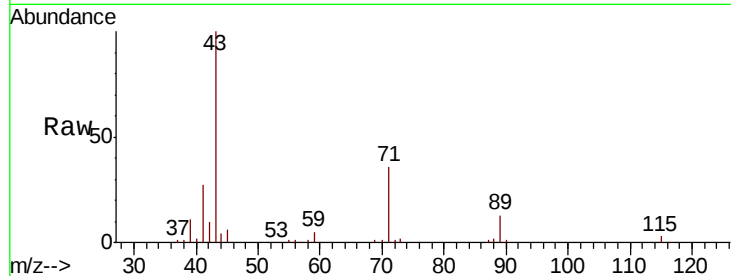




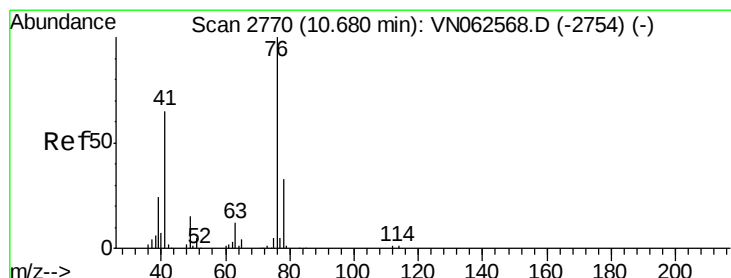
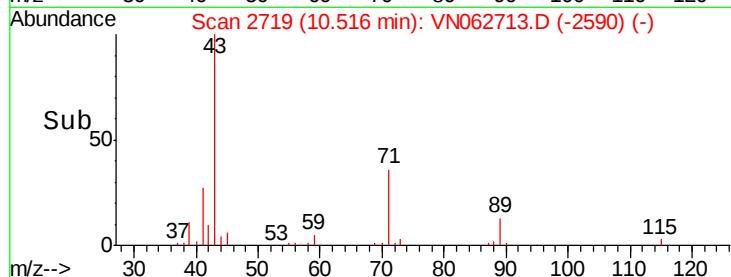
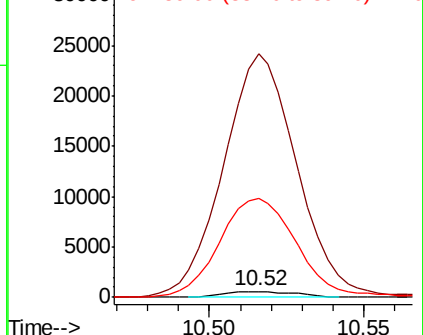
#56
Ethyl methacrylate
Concen: 2.036 ug/l
RT: 10.52 min Scan# 2719
Delta R.T. 0.12 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 69 Resp: 926
Ion Ratio Lower Upper
69 100
41 4378.4 57.2 85.8#
39 1841.7 28.6 43.0#

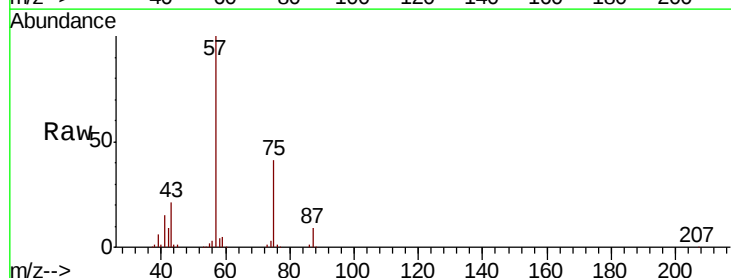


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

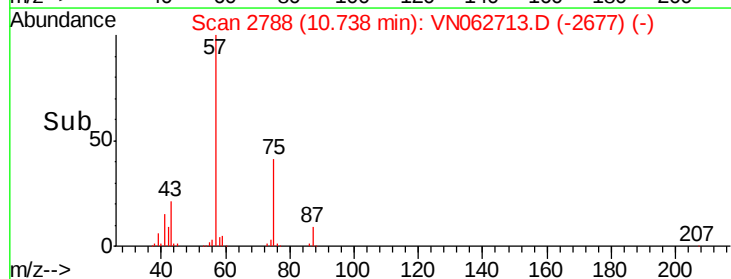
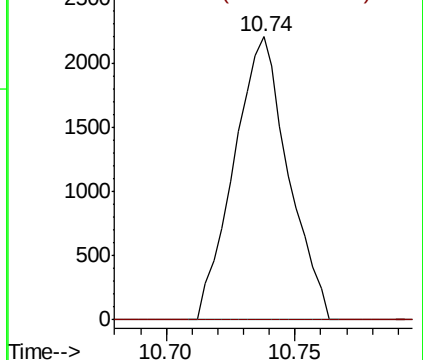


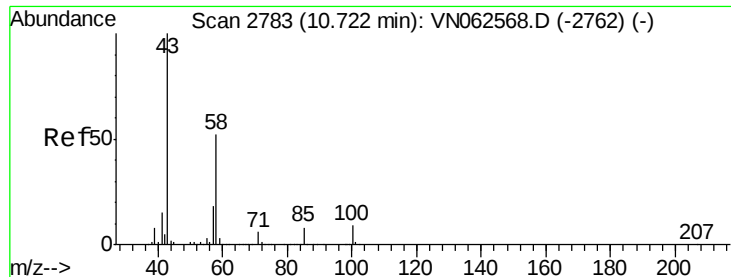
#57
1,3-Dichloropropane
Concen: 0.951 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.06 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 76 Resp: 3244
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

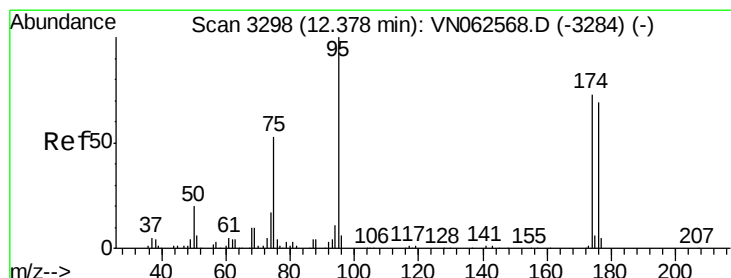
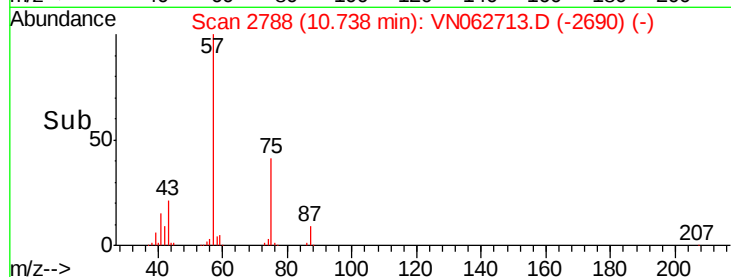
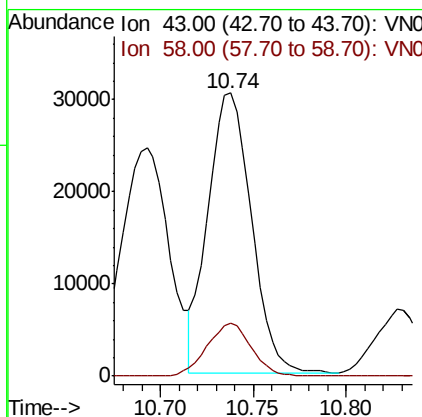
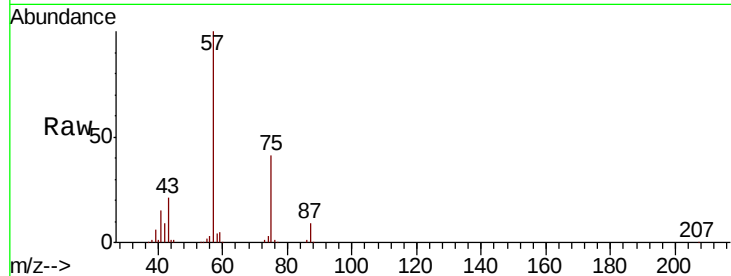




#59
2-Hexanone
Concen: 25.277 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

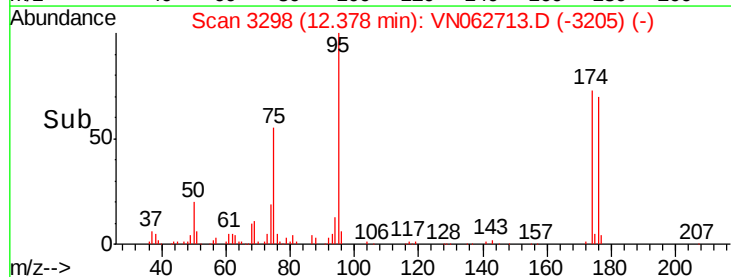
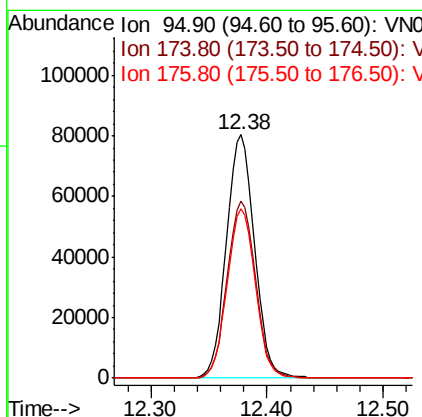
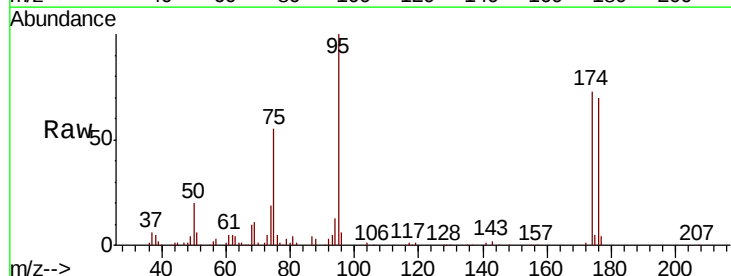
Instrument :
MSVOA_N
ClientSampleId :
TP-4

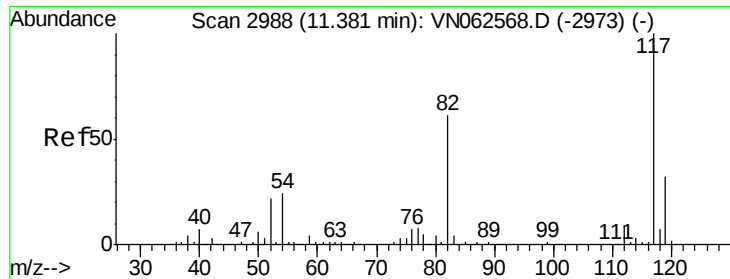
Tot Ion: 43 Resp: 49590
Ion Ratio Lower Upper
43 100
58 19.1 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 54.810 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion: 95 Resp: 134551
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.6
176 69.7 0.0 139.4

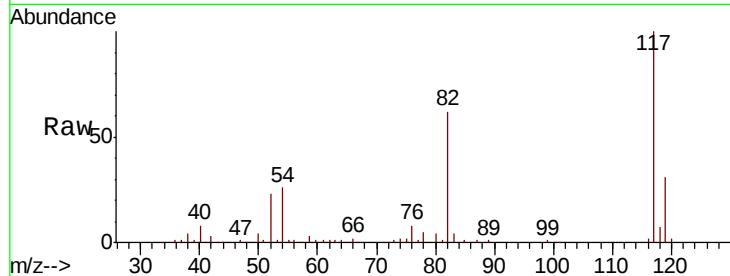




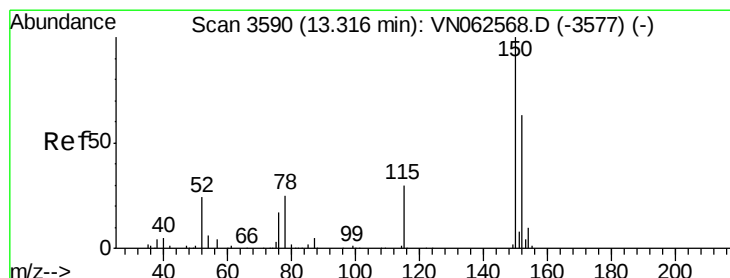
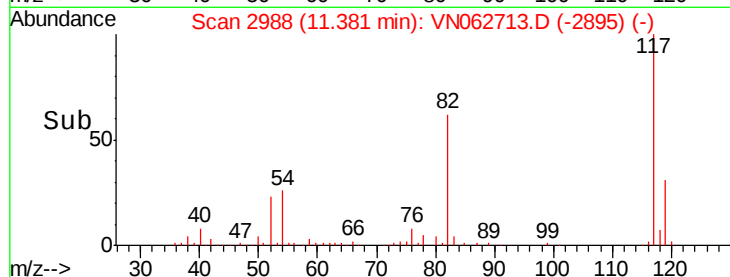
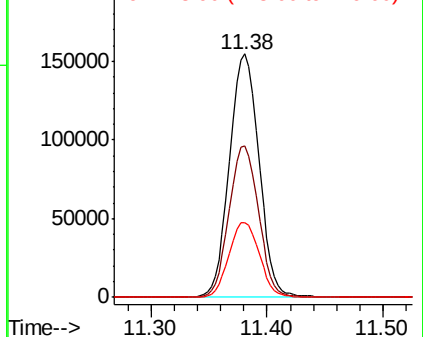
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion:117 Resp: 273490
Ion Ratio Lower Upper
117 100
82 62.4 49.0 73.6
119 30.9 25.4 38.2

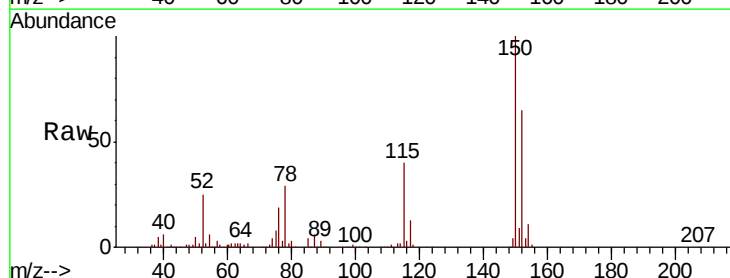


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

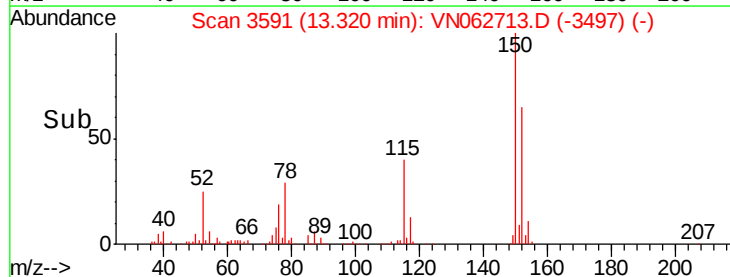
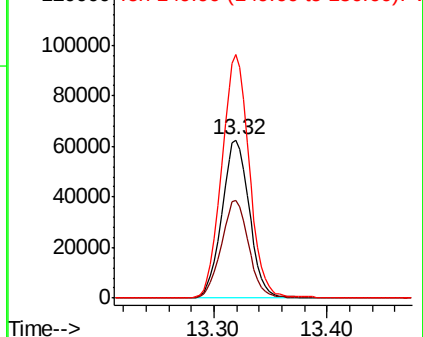


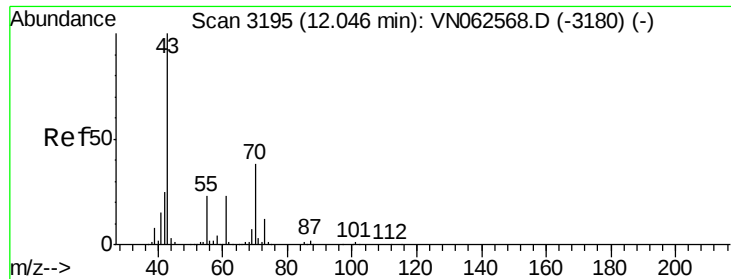
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062713.D
Acq: 1 Aug 2020 3:11

Tgt Ion:152 Resp: 106133
Ion Ratio Lower Upper
152 100
115 61.3 31.8 95.4
150 153.8 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-amvl acetate

Concen: 0.589 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062713.D

Acq: 1 Aug 2020 3:11

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion: 43 Resp: 2208

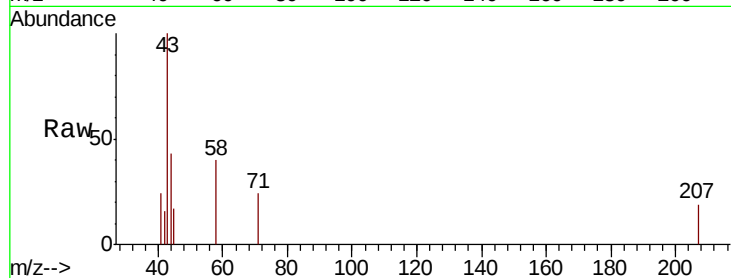
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

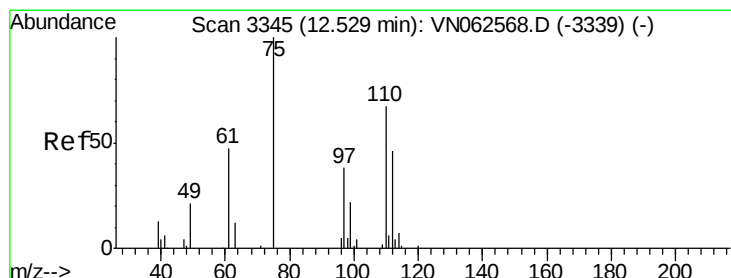
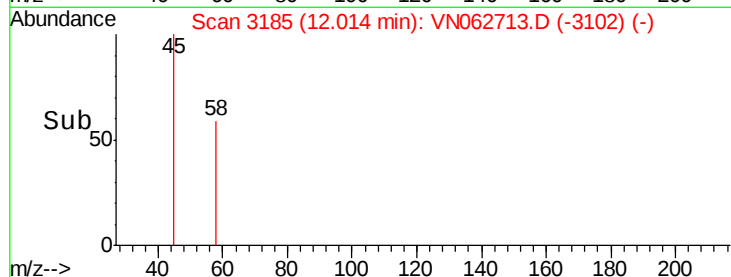
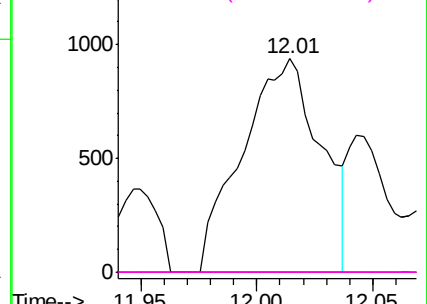


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.168 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062713.D

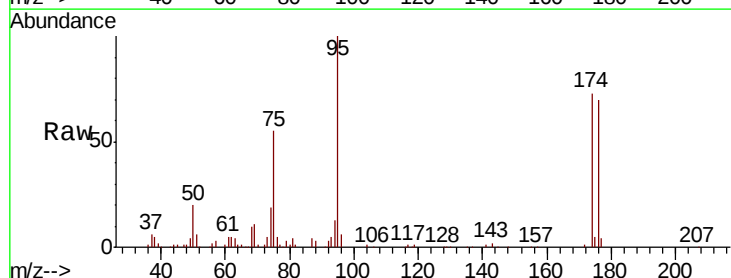
Acq: 1 Aug 2020 3:11

Tgt Ion: 75 Resp: 73394

Ion Ratio Lower Upper

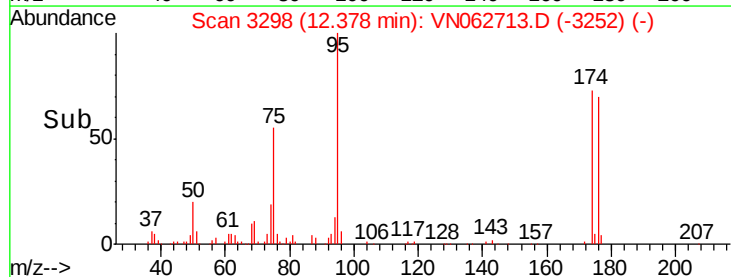
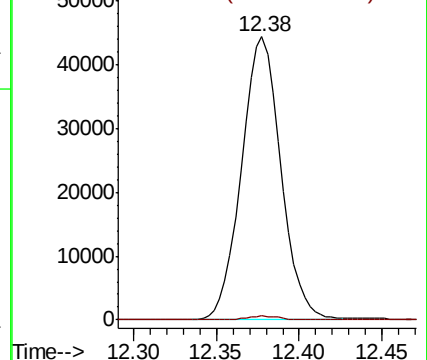
75 100

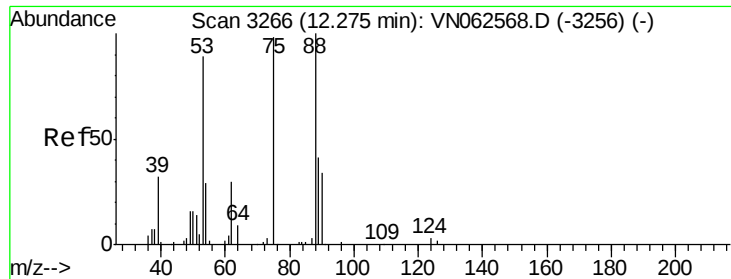
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.630 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062713.D

Acq: 1 Aug 2020 3:11

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion: 75 Resp: 73394

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

