

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062718.D
 Acq On : 1 Aug 2020 5:12
 Operator : JC/MD
 Sample : L3518-28
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Aug 01 06:15:15 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	151448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	275779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104512	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	132076	56.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.28%		
35) Dibromofluoromethane	7.55	113	91201	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.70%		
50) Toluene-d8	10.06	98	366623	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.46%		
62) 4-Bromofluorobenzene	12.38	95	135763	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.74%		

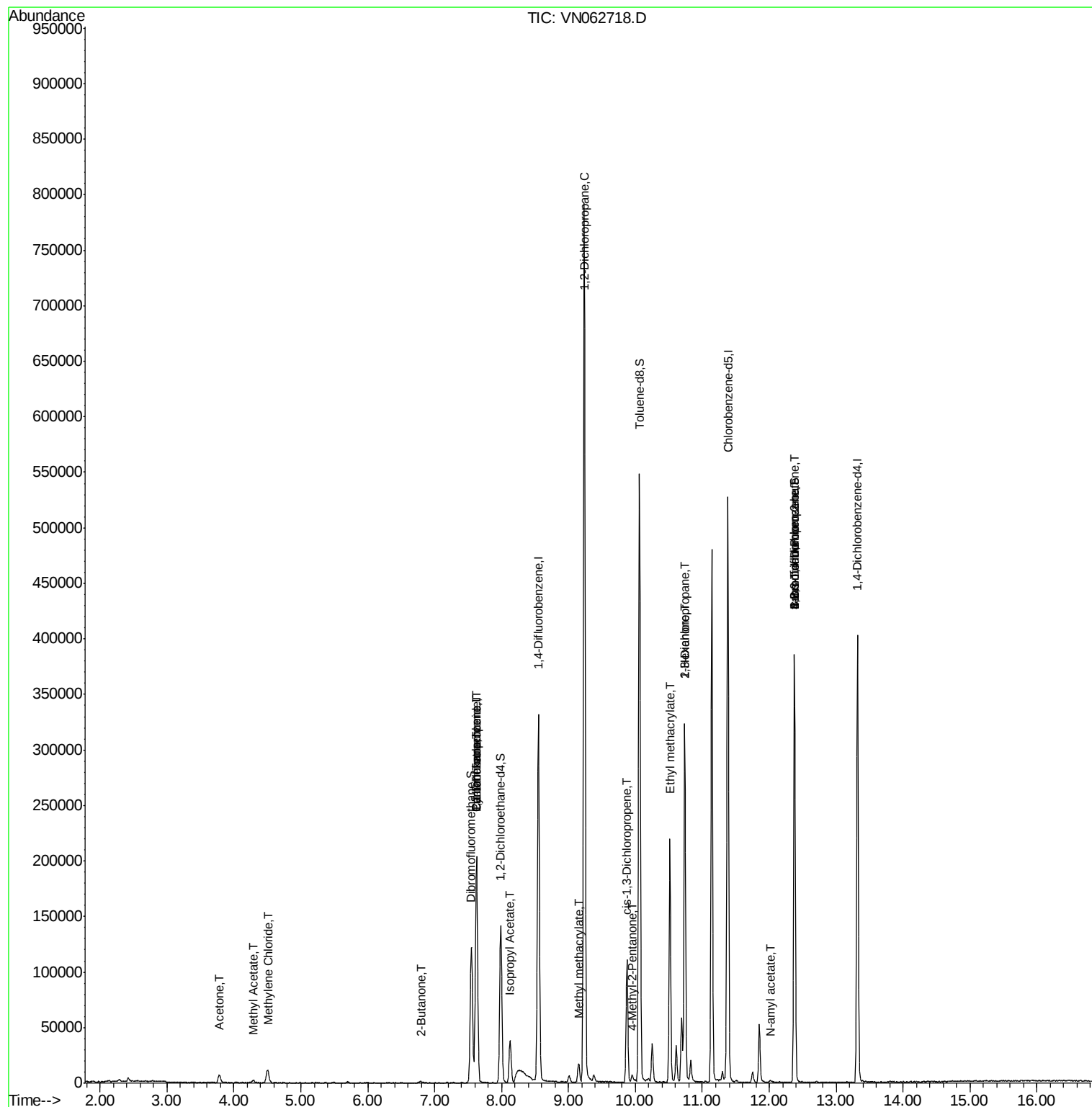
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13034	14.722	ug/l	98
18) Methyl Acetate	4.29	43	5365	2.394	ug/l #	78
20) Methylene Chloride	4.50	84	4323	2.036	ug/l	93
25) 2-Butanone	6.79	43	1729	1.282	ug/l #	52
31) Cyclohexane	7.63	56	3890	1.122	ug/l #	17
36) 1,1-Dichloropropene	7.63	75	13788	4.691	ug/l #	51
38) Carbon Tetrachloride	7.63	117	16415	5.810	ug/l #	17
43) Isopropyl Acetate	8.13	43	45173	8.843	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	988	0.395	ug/l #	44
48) Methyl methacrylate	9.15	41	2745	1.130	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	3983	1.303	ug/l	94
54) cis-1,3-Dichloropropene	9.87	75	18398	4.923	ug/l #	69
56) Ethyl methacrylate	10.52	69	825	1.990	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3359	0.915	ug/l #	42
59) 2-Hexanone	10.74	43	47592	22.855	ug/l #	54
71) Bromoform	12.37	173	474	0.283	ug/l #	1
74) N-amyl acetate	12.01	43	1349	0.366	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	76543	28.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76543	80.098	ug/l #	12

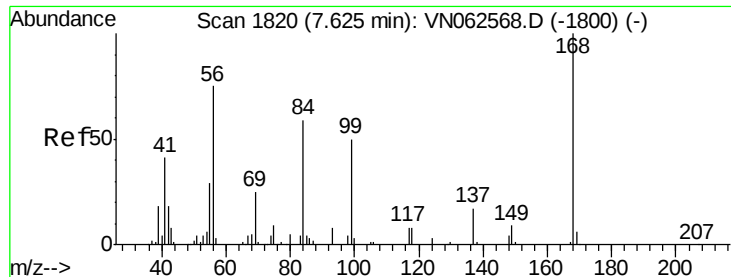
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062718.D
Acq On : 1 Aug 2020 5:12
Operator : JC/MD
Sample : L3518-28
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
TP-9

Quant Time: Aug 01 06:15:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampled :

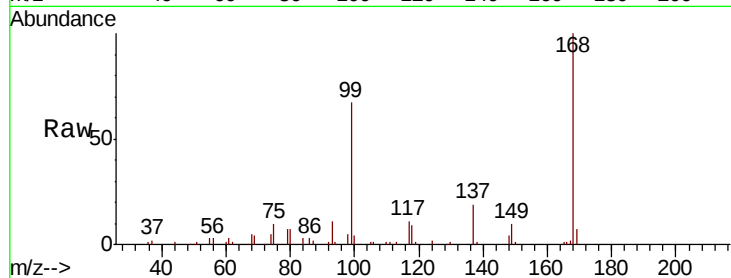
TP-9

Tot Ion:168 Resp: 151448

Ion Ratio Lower Upper

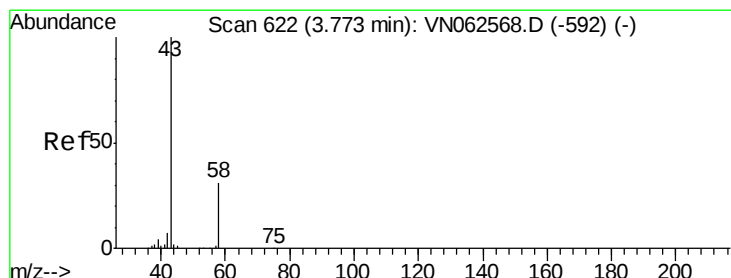
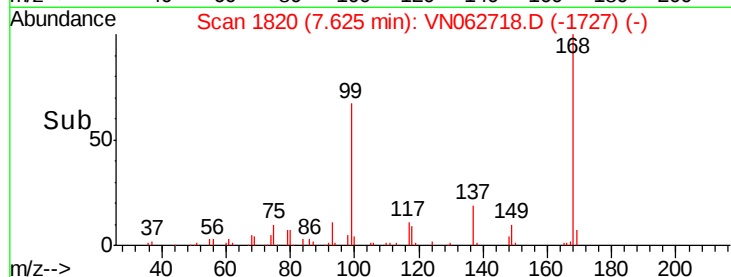
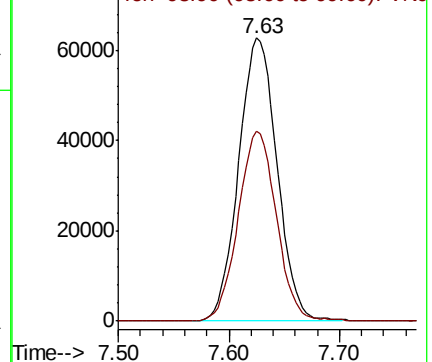
168 100

99 67.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 14.722 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062718.D

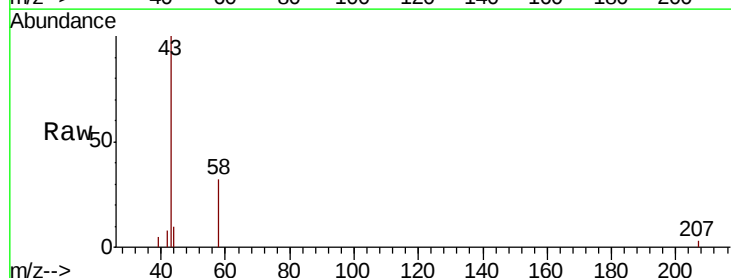
Acq: 1 Aug 2020 5:12

Tgt Ion: 43 Resp: 13034

Ion Ratio Lower Upper

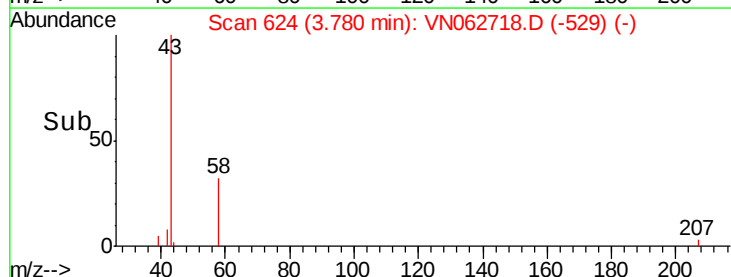
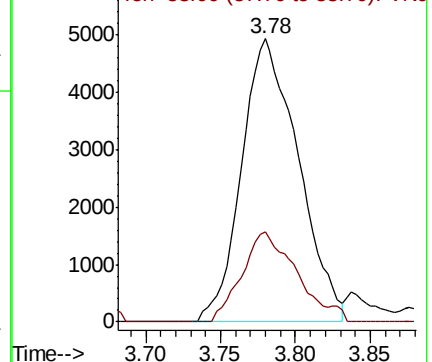
43 100

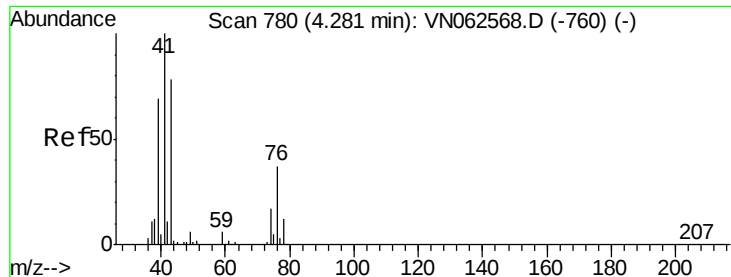
58 31.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

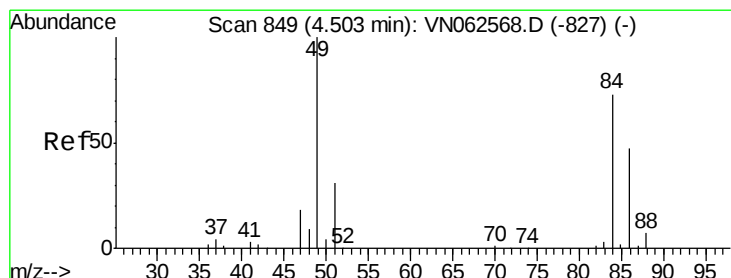
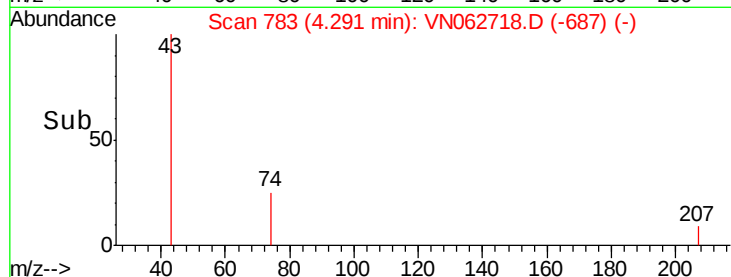
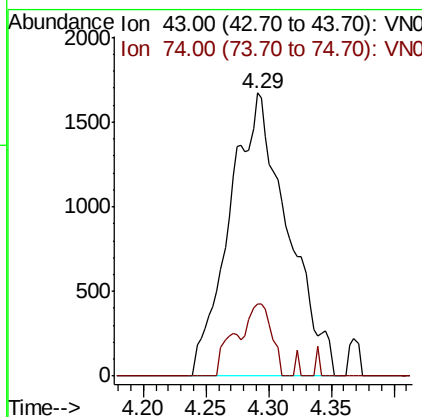
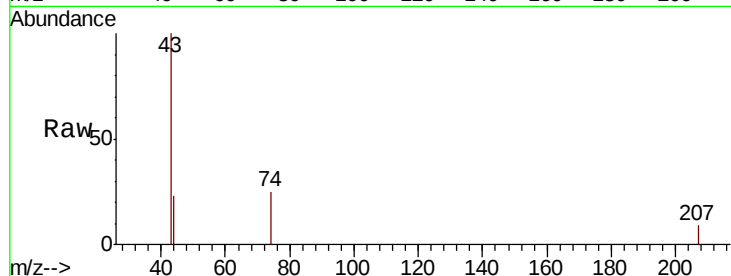




#18
Methyl Acetate
Concen: 2.394 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062718.D
Acq: 1 Aug 2020 5:12

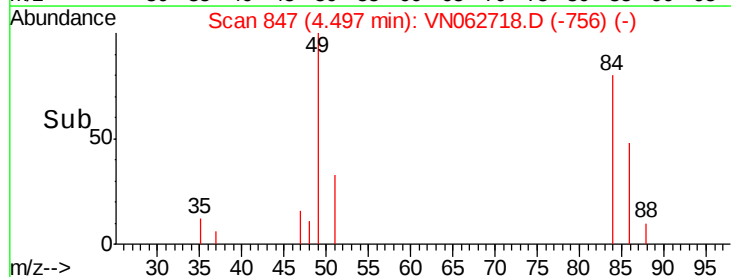
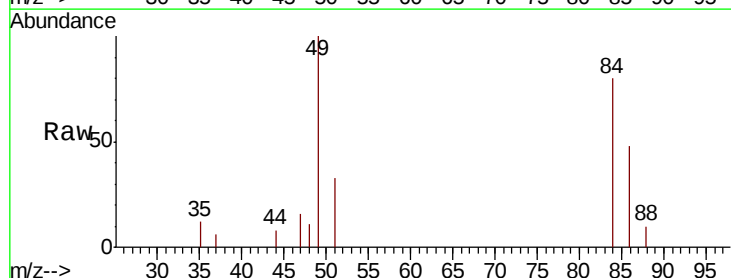
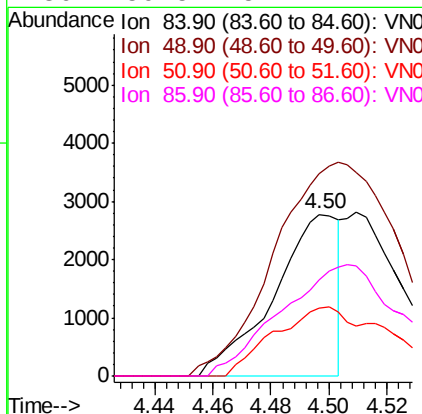
Instrument :
MSVOA_N
ClientSampled :
TP-9

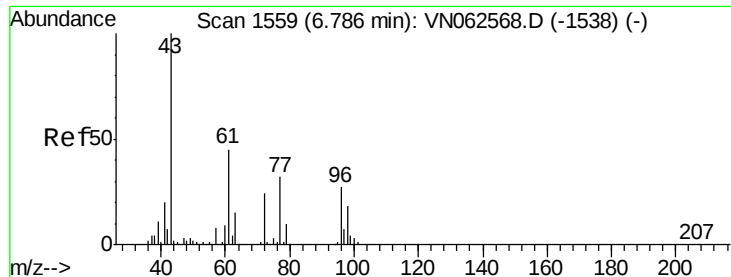
Tot Ion: 43 Resp: 5365
Ion Ratio Lower Upper
43 100
74 10.5 16.6 24.8#



#20
Methylene Chloride
Concen: 2.036 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062718.D
Acq: 1 Aug 2020 5:12

Tgt Ion: 84 Resp: 4323
Ion Ratio Lower Upper
84 100
49 125.1 109.4 164.0
51 41.8 33.6 50.4
86 59.5 51.4 77.2

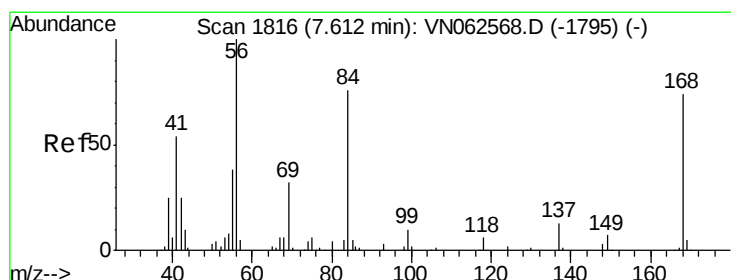
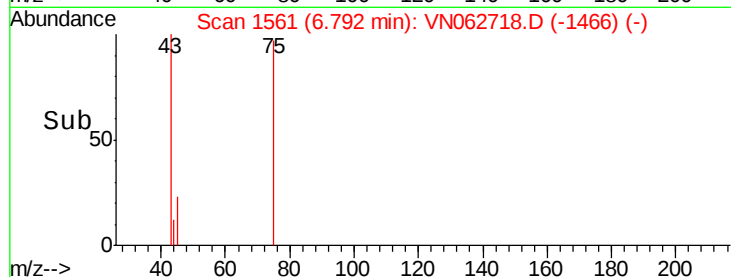
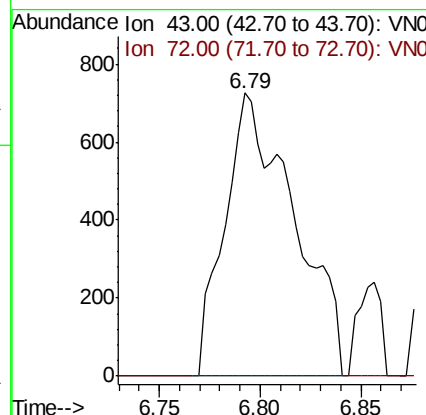
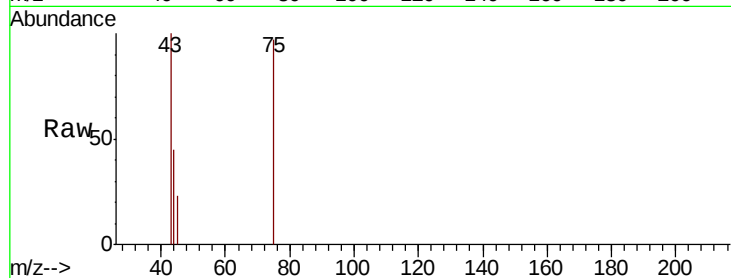




#25
2-Butanone
Concen: 1.282 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062718.D
Acq: 1 Aug 2020 5:12

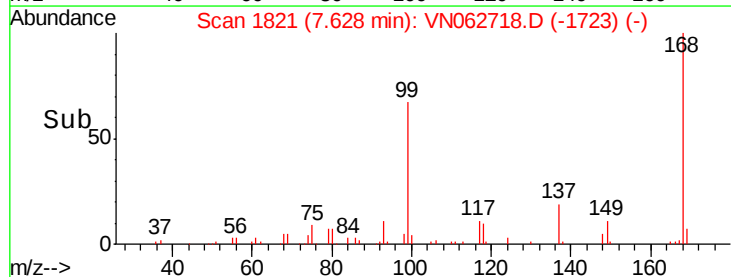
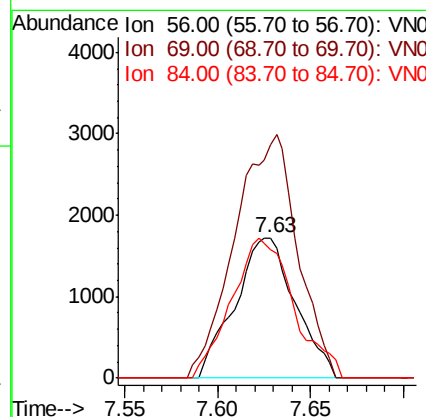
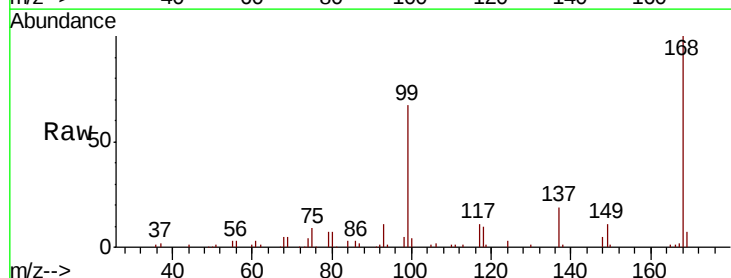
Instrument :
MSVOA_N
ClientSampled :
TP-9

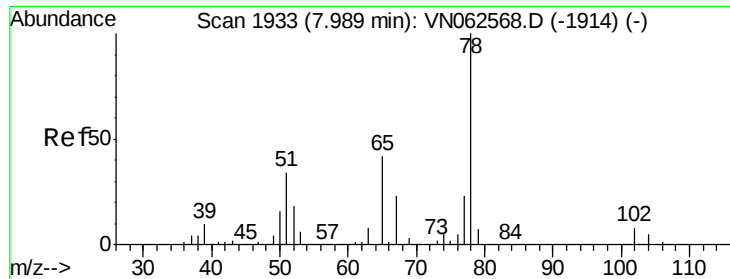
Tot Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062718.D
Acq: 1 Aug 2020 5:12

Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 165.7 25.3 37.9#
84 91.4 61.0 91.4

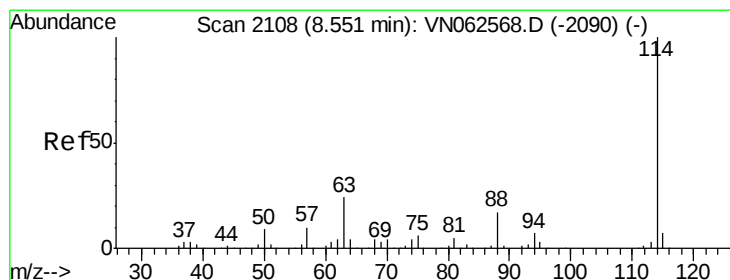
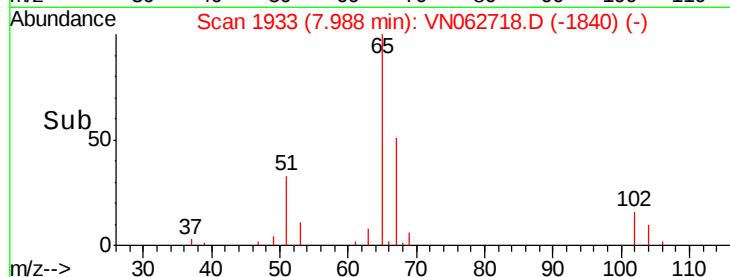
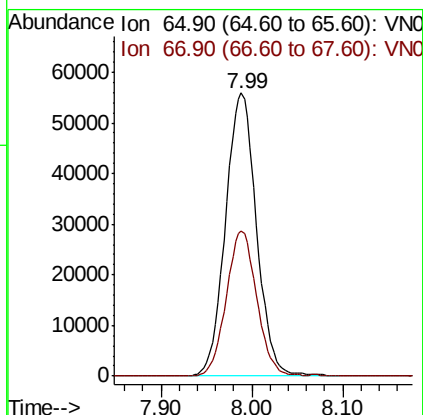
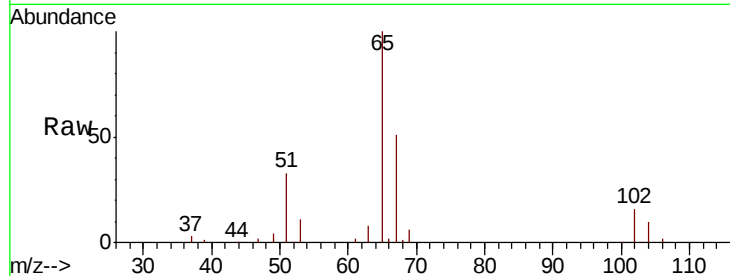




#33
 1,2-Dichloroethane-d4
 Concen: 56.139 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

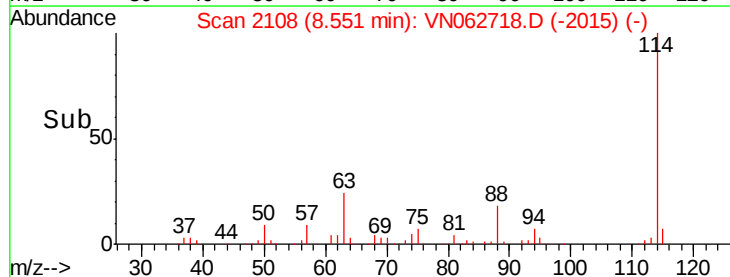
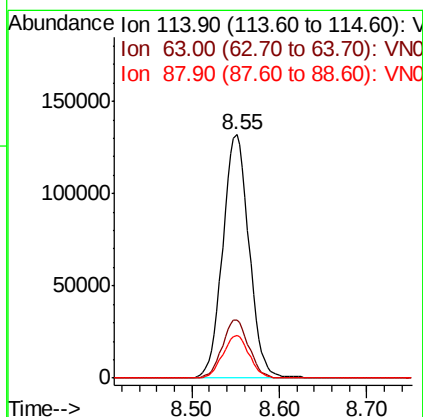
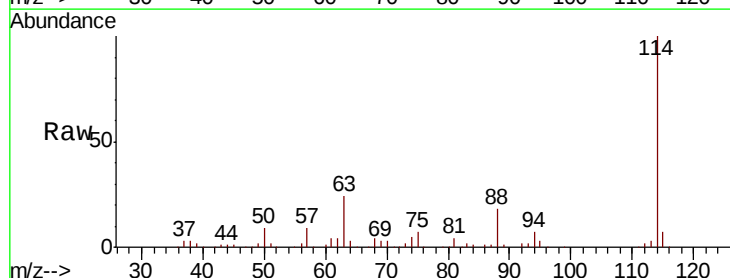
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

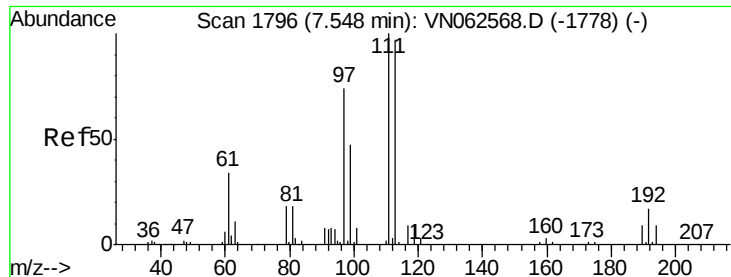
Tot Ion: 65 Resp: 132076
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

Tgt Ion: 114 Resp: 275779
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.4
 88 17.5 0.0 33.8

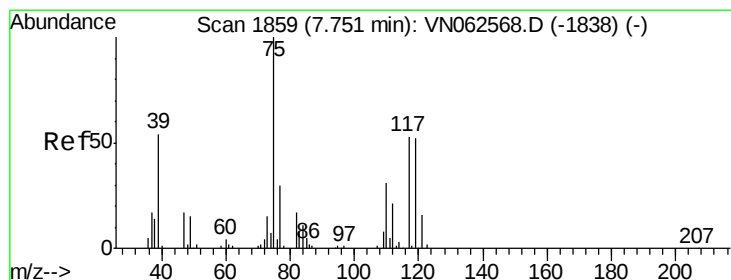
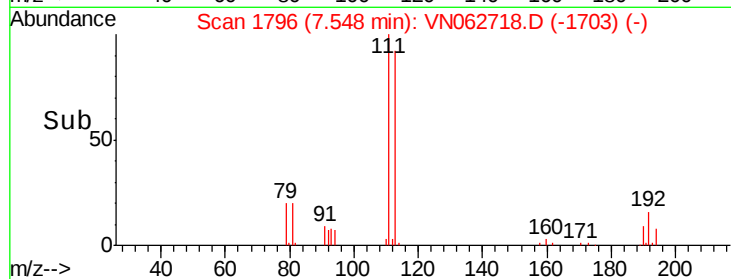
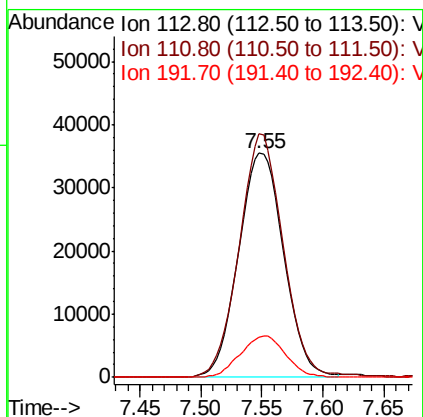
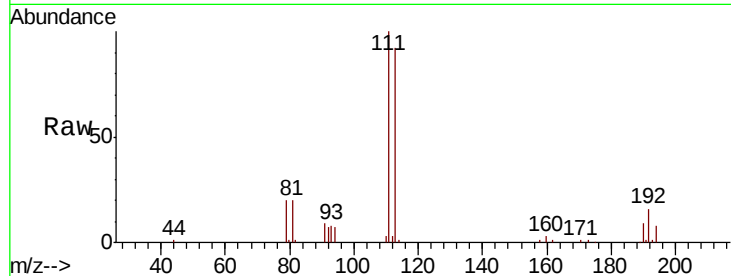




#35
 Dibromofluoromethane
 Concen: 50.346 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

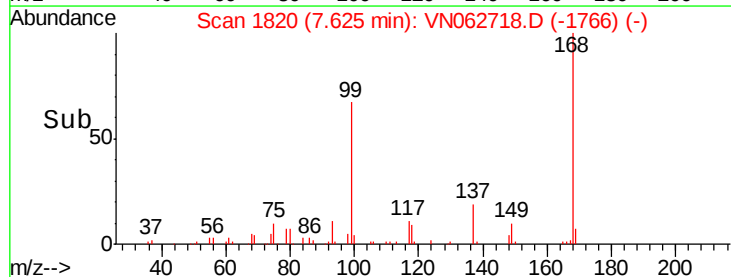
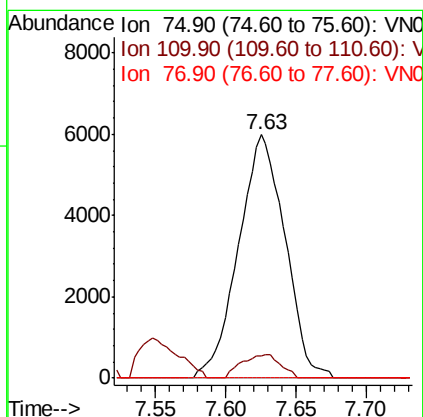
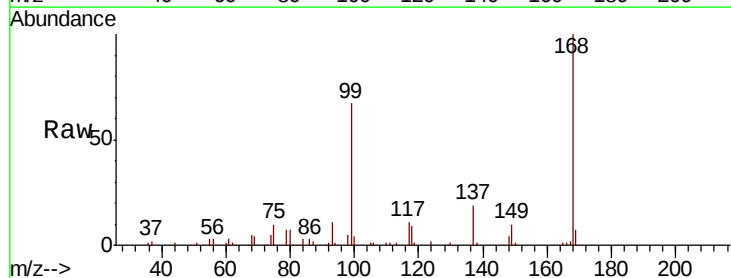
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

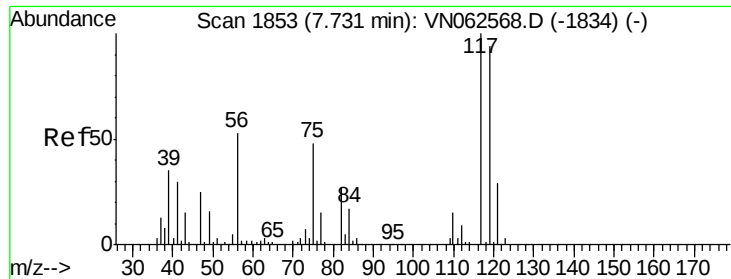
Tot Ion:113 Resp: 91201
 Ion Ratio Lower Upper
 113 100
 111 105.7 82.7 124.1
 192 18.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.691 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

Tgt Ion: 75 Resp: 13788
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampled :

TP-9

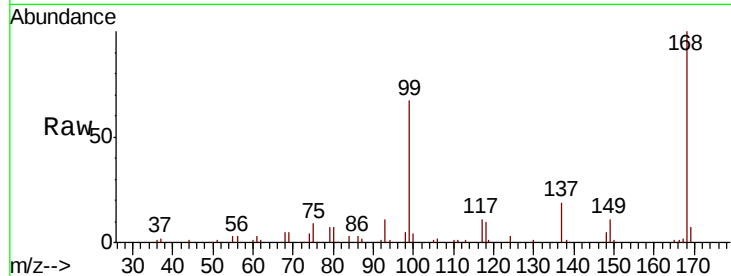
Tot Ion:117 Resp: 16415

Ion Ratio Lower Upper

117 100

119 5.4 74.8 112.2#

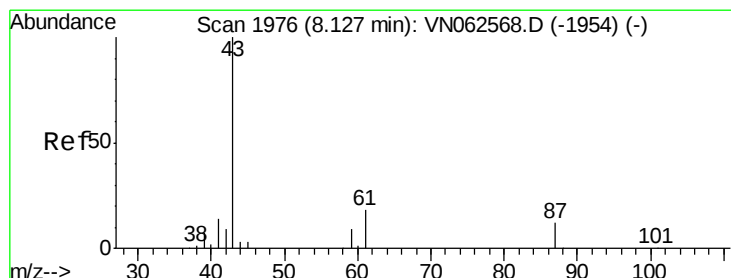
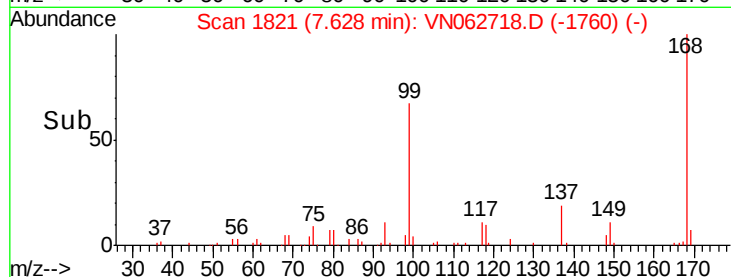
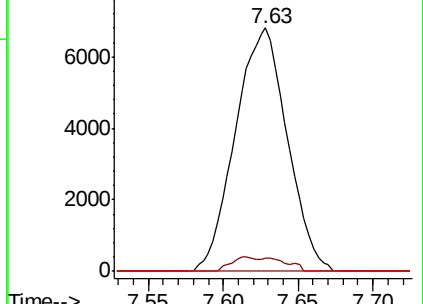
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.843 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

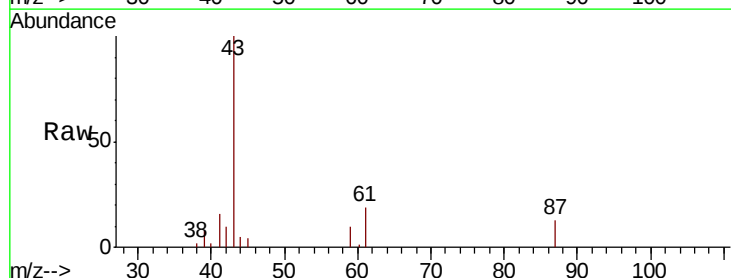
Tgt Ion: 43 Resp: 45173

Ion Ratio Lower Upper

43 100

61 19.0 20.8 31.2#

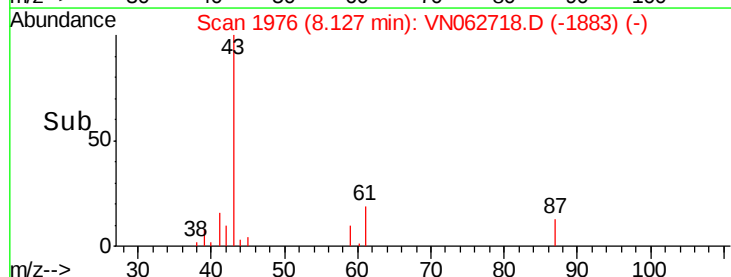
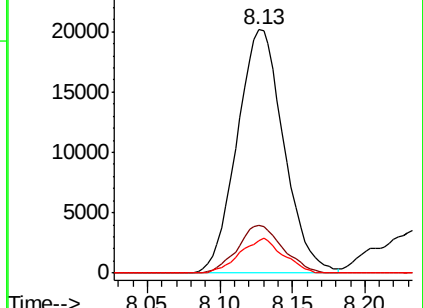
87 13.0 9.2 13.8

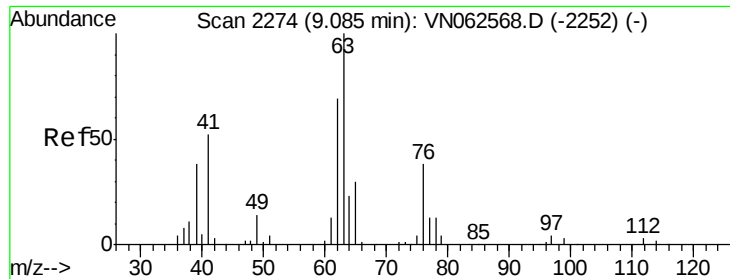


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

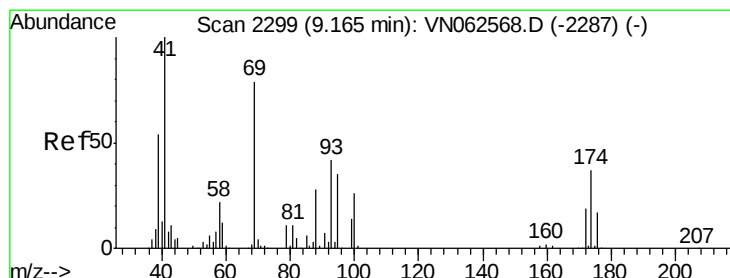
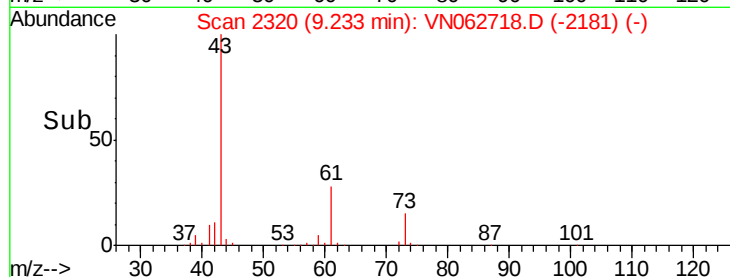
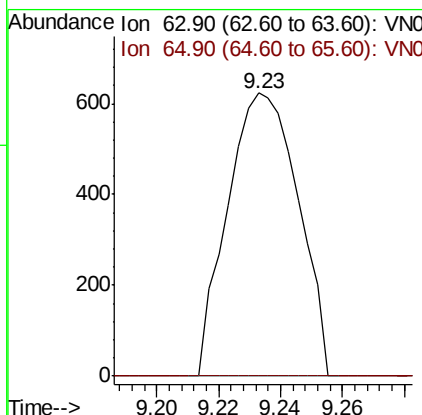
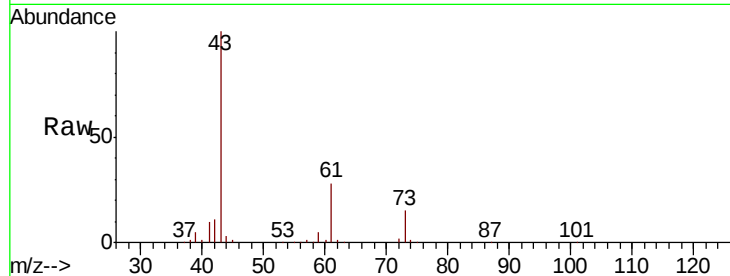




#45
 1,2-Dichloropropane
 Concen: 0.395 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

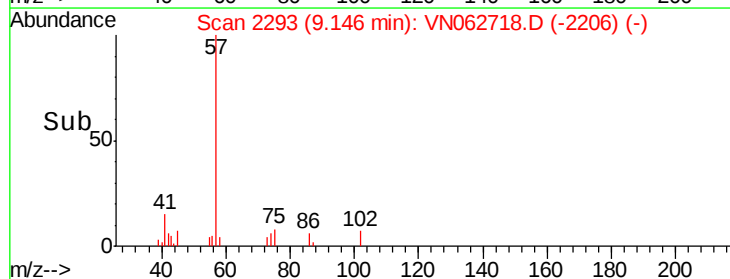
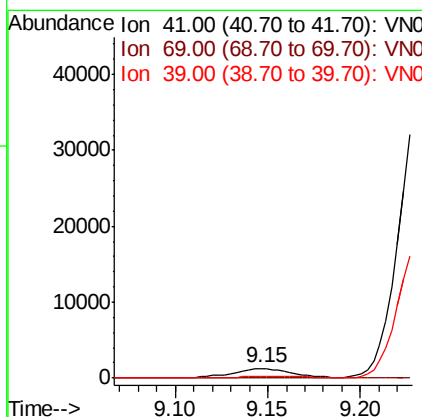
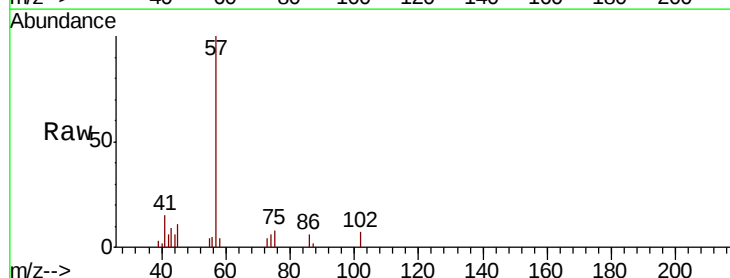
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

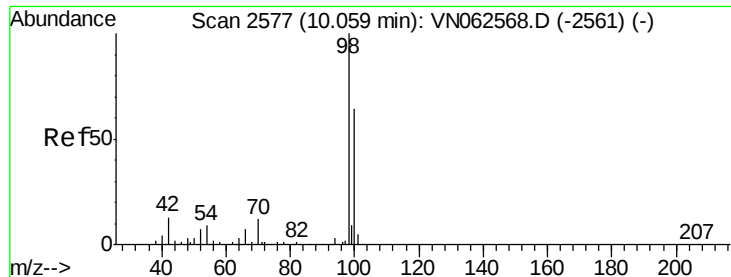
Tot Ion: 63 Resp: 988
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.130 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

Tgt Ion: 41 Resp: 2745
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 50.725 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampled :

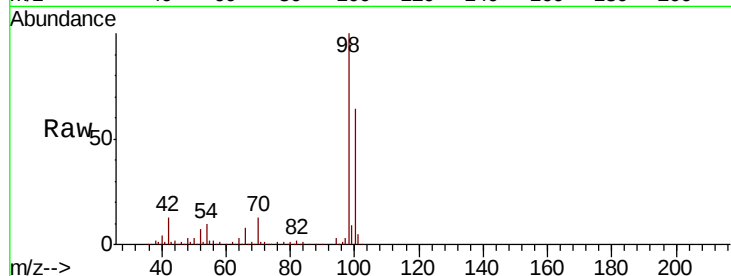
TP-9

Tot Ion: 98 Resp: 366623

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062568.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062568.D (-2561) (-)

10.06

200000

150000

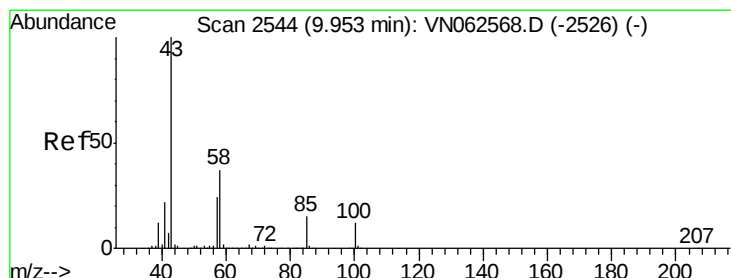
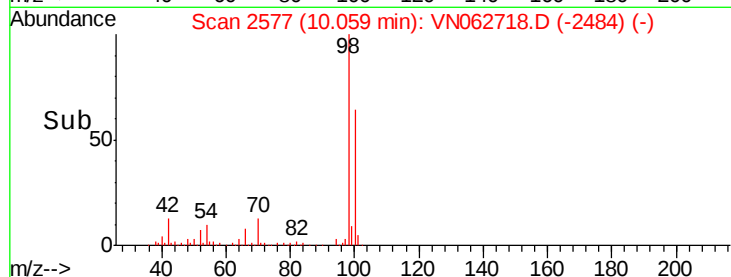
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.303 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062718.D

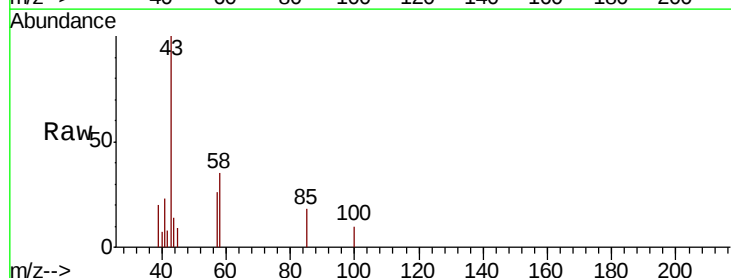
Acq: 1 Aug 2020 5:12

Tgt Ion: 43 Resp: 3983

Ion Ratio Lower Upper

43 100

58 40.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)

8000

6000

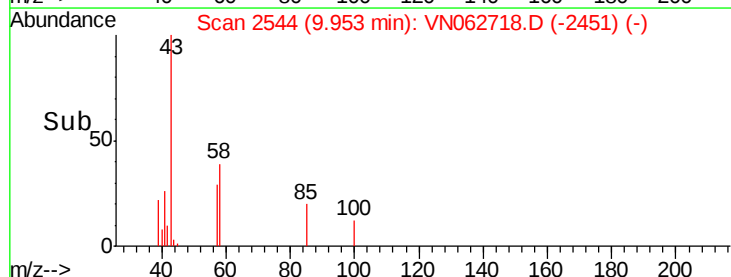
4000

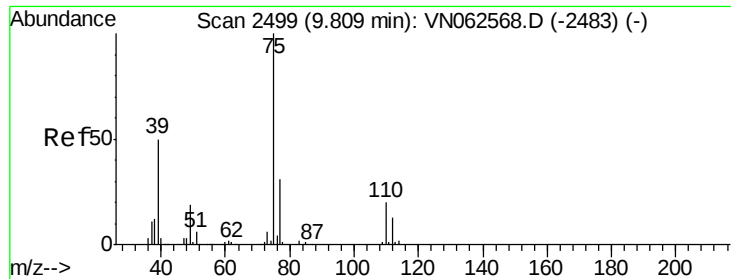
2000

0

9.90 9.95

Time-->

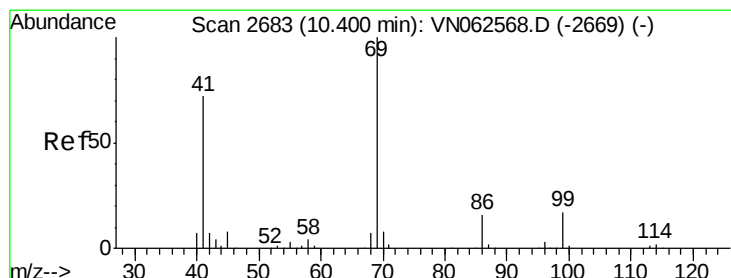
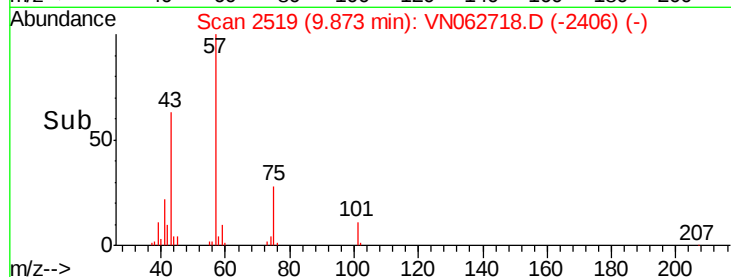
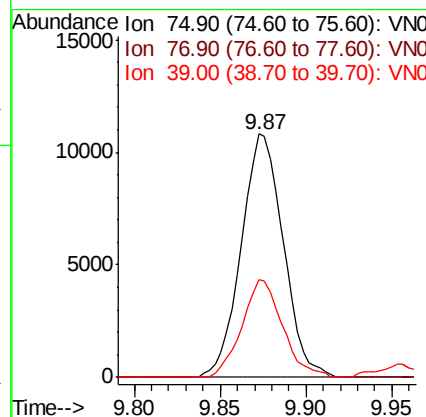
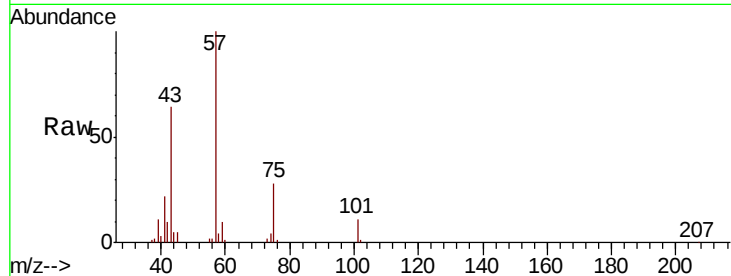




#54
 cis-1,3-Dichloropropene
 Concen: 4.923 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

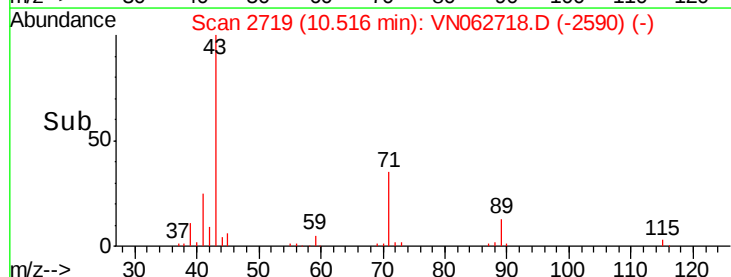
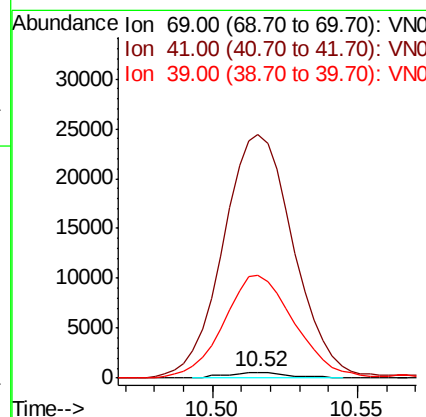
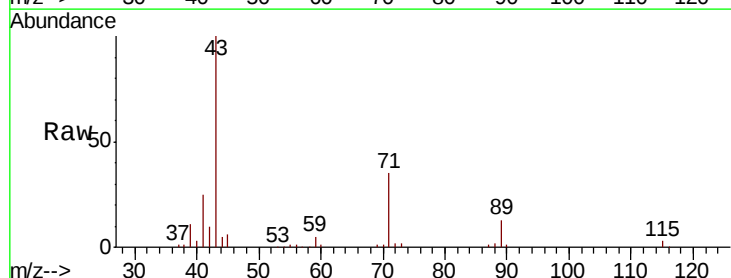
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

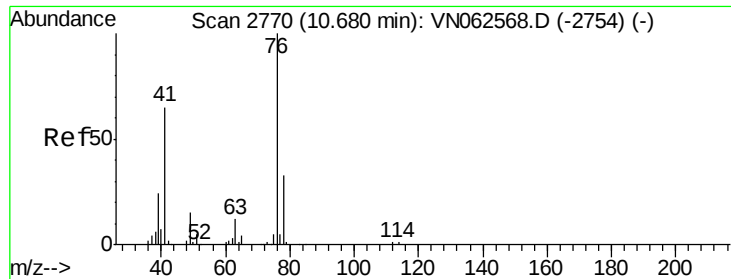
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	40.1	39.8	59.8



#56
 Ethyl methacrylate
 Concen: 1.990 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	5054.8	57.2	85.8#
39	2133.2	28.6	43.0#

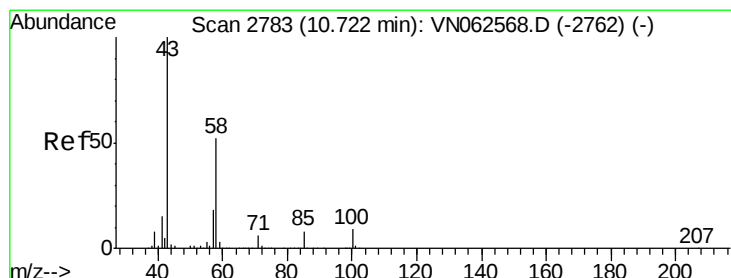
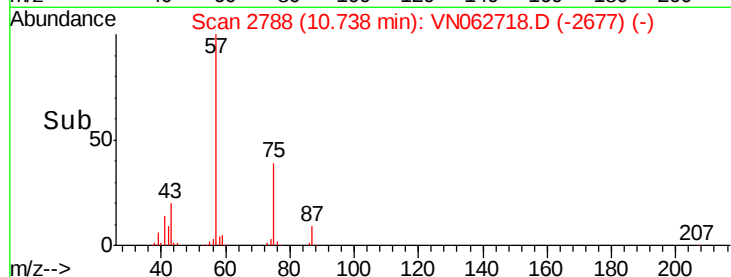
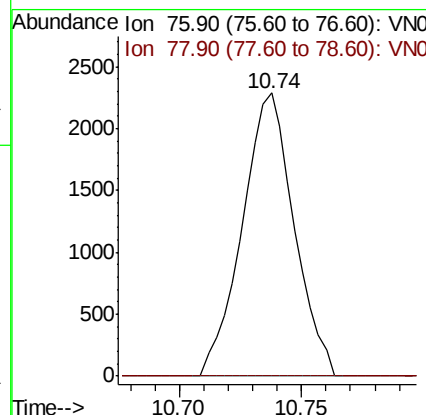
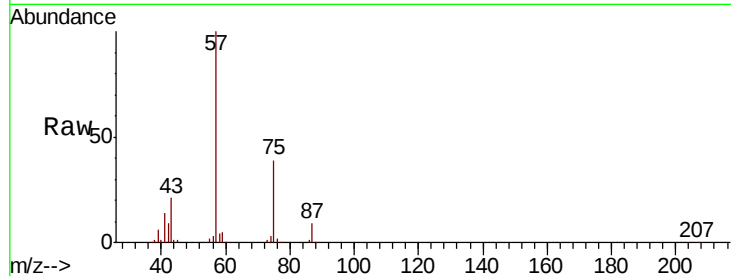




#57
 1,3-Dichloropropane
 Concen: 0.915 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

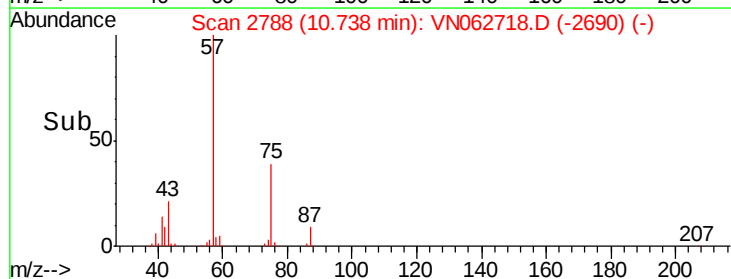
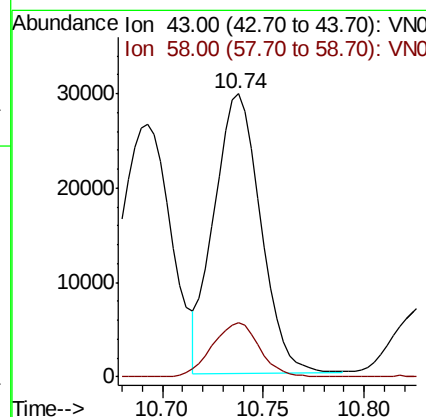
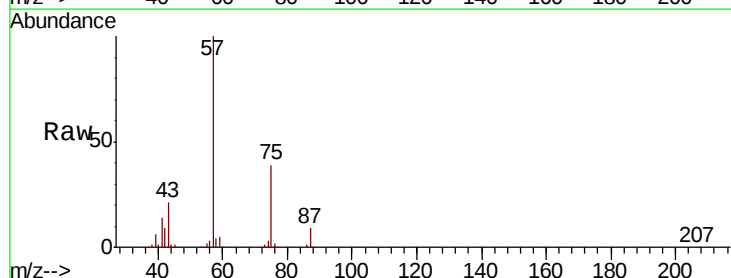
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

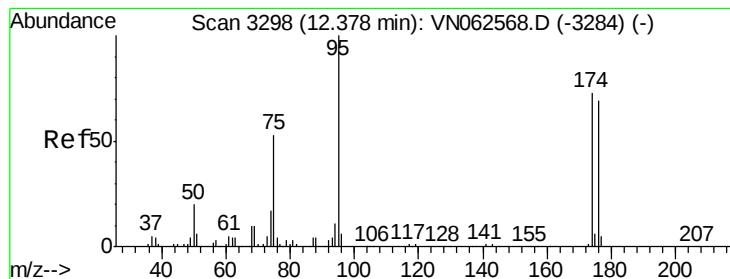
Tot Ion: 76 Resp: 3359
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 22.855 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062718.D
 Acq: 1 Aug 2020 5:12

Tgt Ion: 43 Resp: 47592
 Ion Ratio Lower Upper
 43 100
 58 19.6 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 51.372 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampled :

TP-9

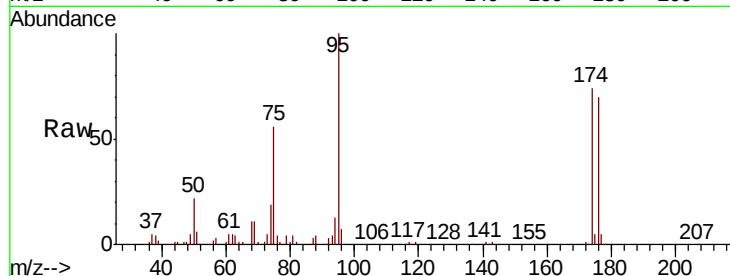
Tot Ion: 95 Resp: 135763

Ion Ratio Lower Upper

95 100

174 73.4 0.0 144.6

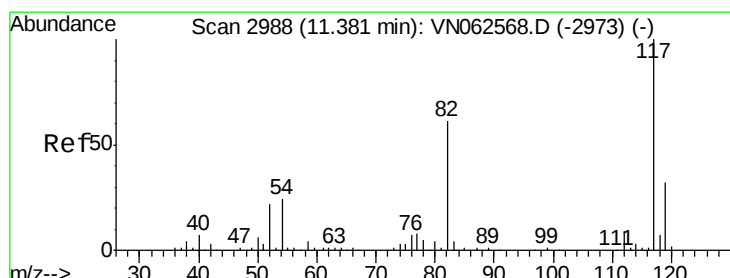
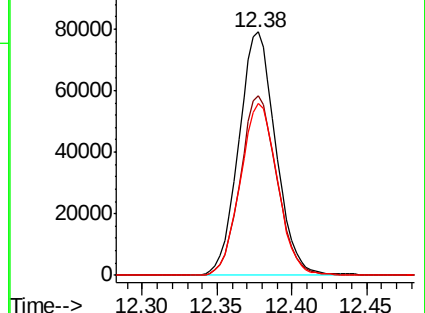
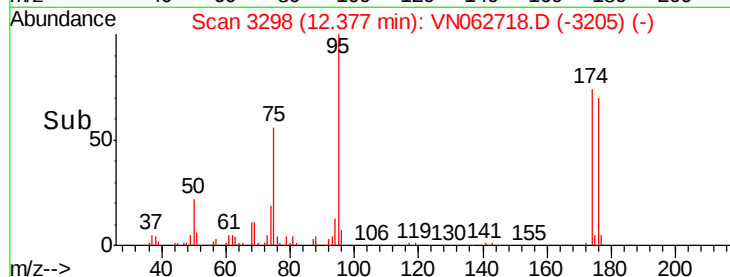
176 71.0 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062718.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062718.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062718.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

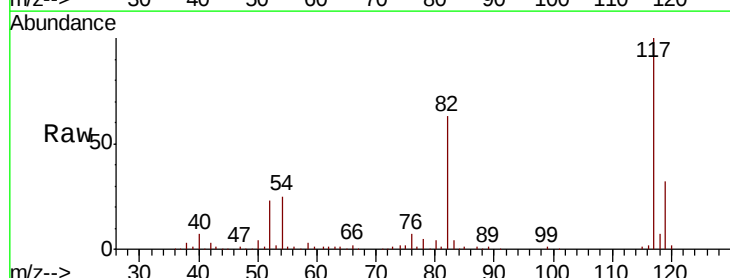
Tgt Ion: 117 Resp: 283170

Ion Ratio Lower Upper

117 100

82 62.5 49.0 73.6

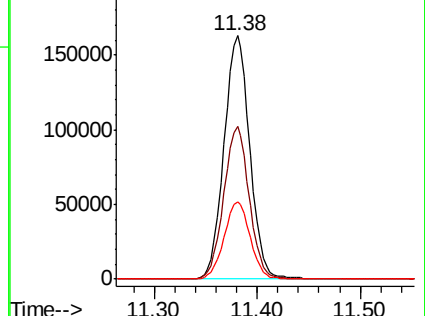
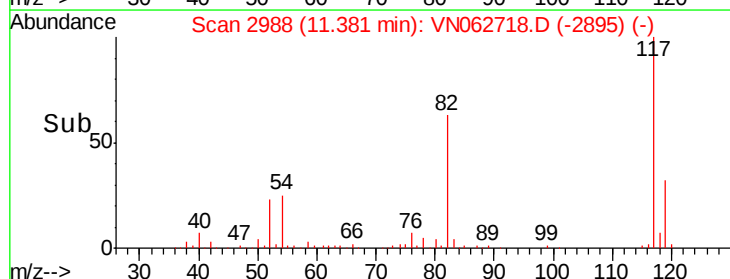
119 31.9 25.4 38.2

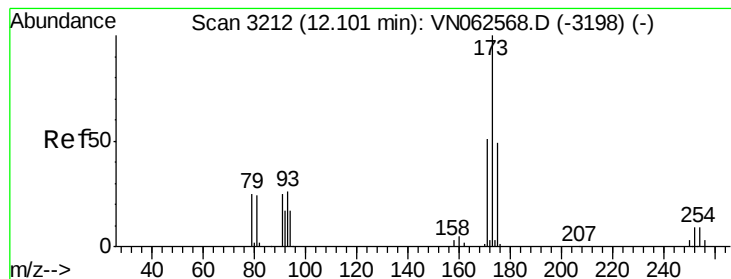


Abundance Ion 116.90 (116.60 to 117.60): VN062718.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062718.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062718.D (-2895) (-)





#71

Bromoform

Concen: 0.283 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampled :

TP-9

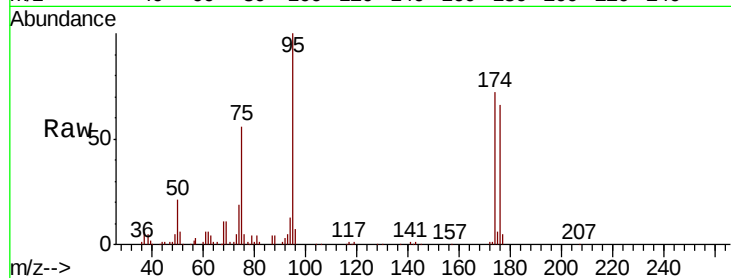
Tot Ion:173 Resp: 474

Ion Ratio Lower Upper

173 100

175 1290.1 24.1 72.2#

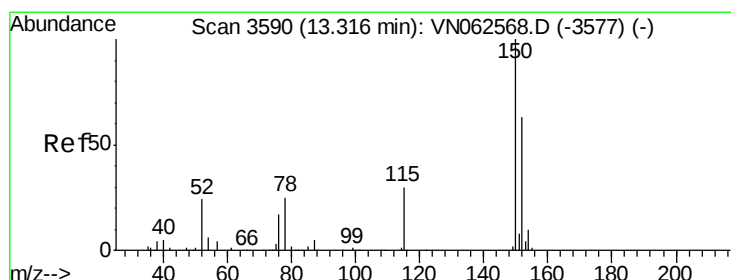
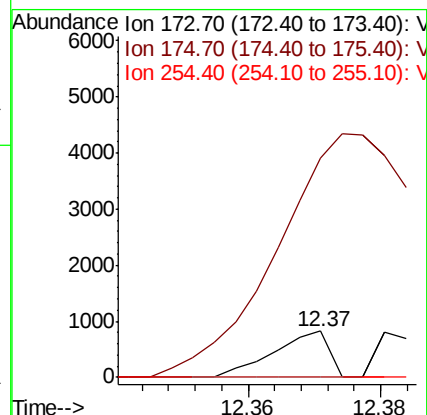
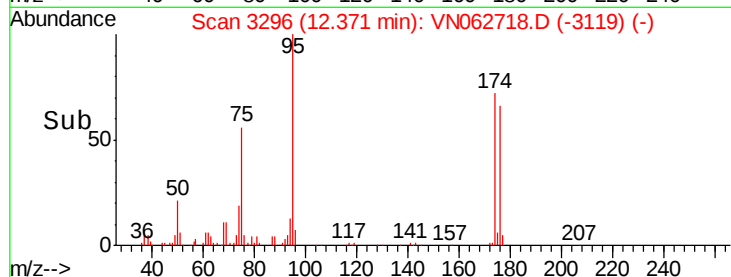
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

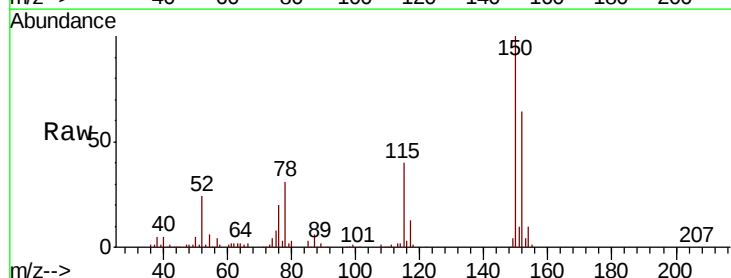
Tgt Ion:152 Resp: 104512

Ion Ratio Lower Upper

152 100

115 62.0 31.8 95.4

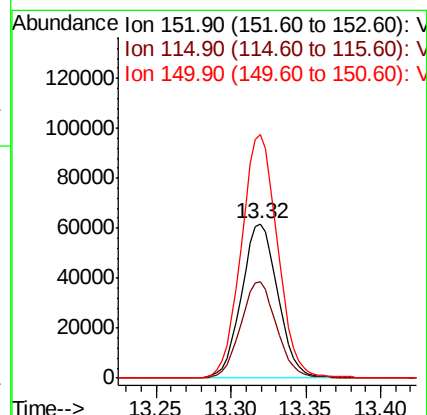
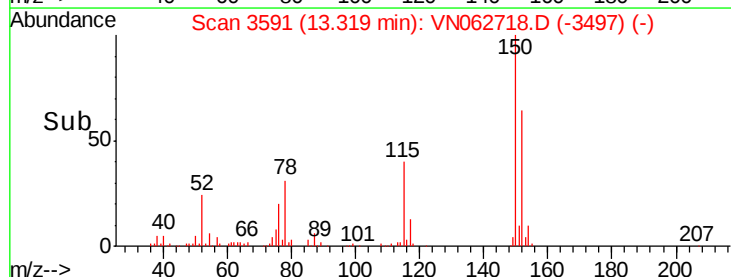
150 158.1 0.0 351.4

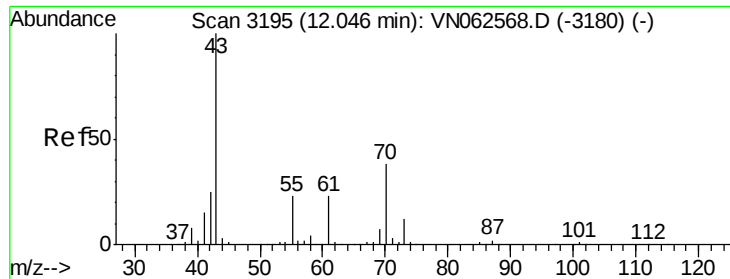


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.366 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampleId :

TP-9

Tot Ion: 43 Resp: 1349

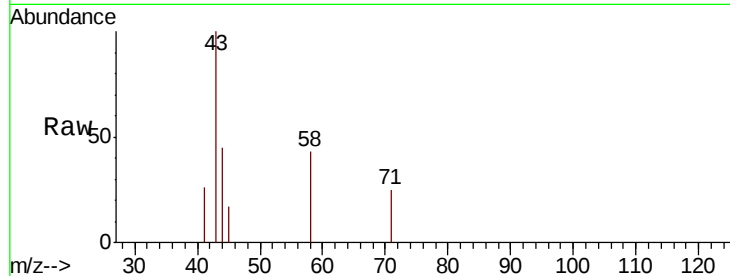
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

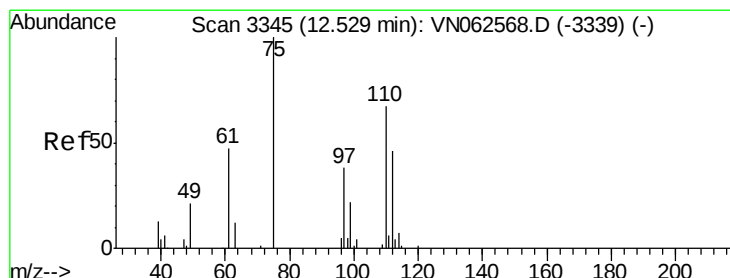
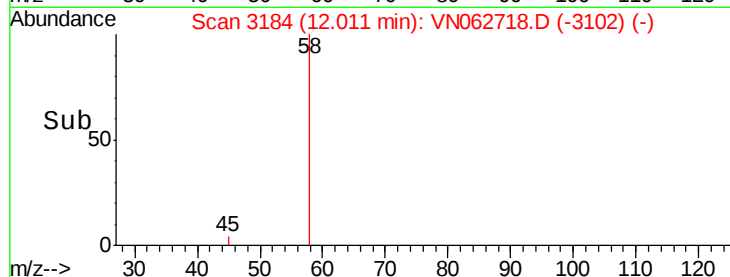
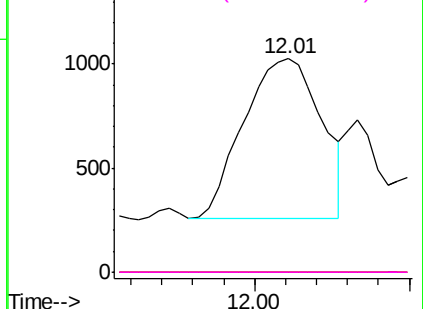


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.773 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062718.D

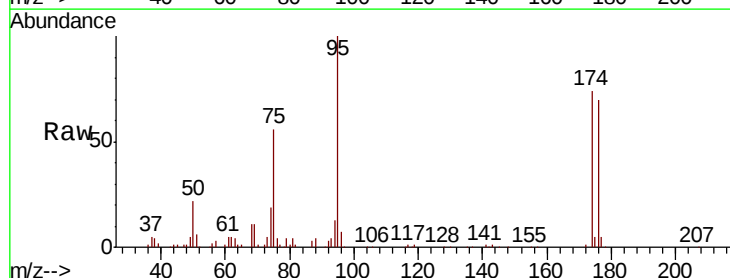
Acq: 1 Aug 2020 5:12

Tgt Ion: 75 Resp: 76543

Ion Ratio Lower Upper

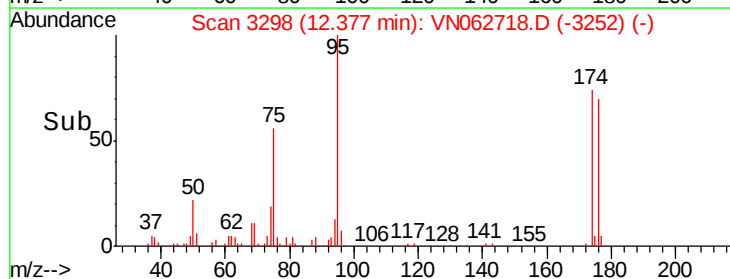
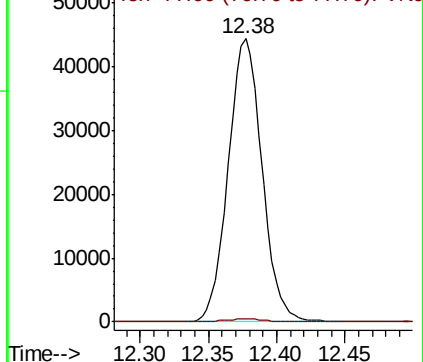
75 100

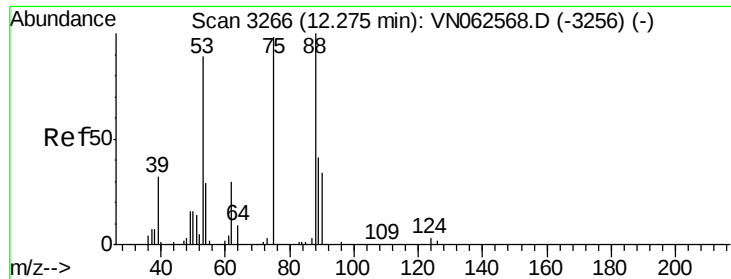
77 1.1 0.0 0.0#



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: 80.098 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062718.D

Acq: 1 Aug 2020 5:12

Instrument :

MSVOA_N

ClientSampleId :

TP-9

Tot Ion: 75 Resp: 76543

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

