

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062719.D
 Acq On : 1 Aug 2020 5:36
 Operator : JC/MD
 Sample : L3518-33
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Aug 01 06:15:31 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	130316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91282	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	117615	58.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.20%		
35) Dibromofluoromethane	7.55	113	80486	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.14%		
50) Toluene-d8	10.06	98	317866	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.12%		
62) 4-Bromofluorobenzene	12.38	95	118794	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.34%		

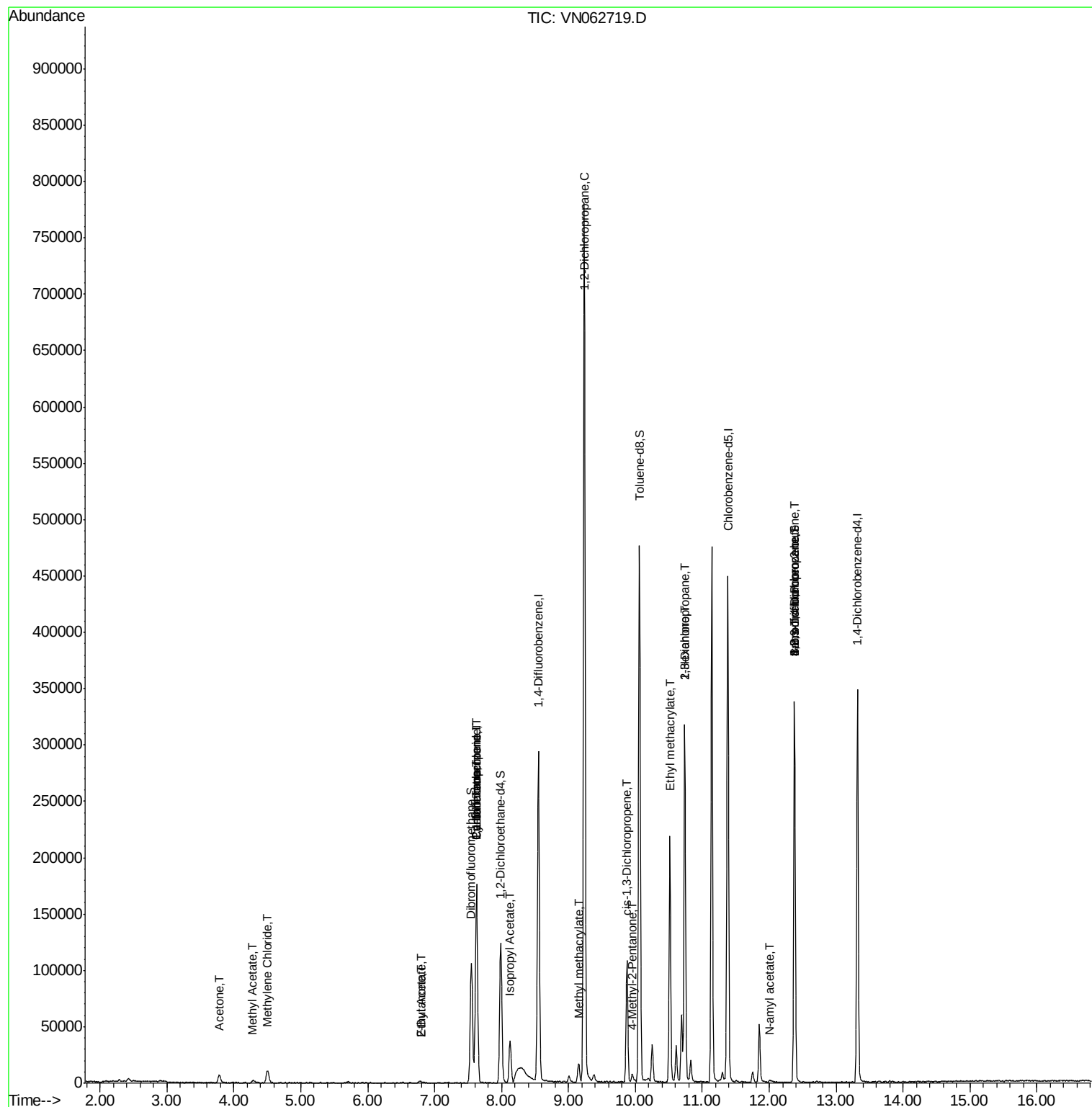
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12943	16.990	ug/l	95
18) Methyl Acetate	4.28	43	5119	2.654	ug/l #	81
20) Methylene Chloride	4.51	84	7498	4.104	ug/l	92
25) 2-Butanone	6.80	43	1097	0.946	ug/l #	52
31) Cyclohexane	7.62	56	3225	1.081	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	11875	4.598	ug/l #	50
37) Ethyl Acetate	6.80	43	1097	0.394	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14148	5.700	ug/l #	17
43) Isopropyl Acetate	8.13	43	44069	9.820	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	838	0.382	ug/l #	44
48) Methyl methacrylate	9.14	41	2907	1.363	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5095	1.898	ug/l	90
54) cis-1,3-Dichloropropene	9.88	75	17943	5.465	ug/l #	64
56) Ethyl methacrylate	10.52	69	999	2.074	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3220	0.998	ug/l #	42
59) 2-Hexanone	10.74	43	47094	25.369	ug/l #	53
71) Bromoform	12.38	173	519	0.359	ug/l #	1
74) N-amyl acetate	12.00	43	1660	0.515	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	65956	28.387	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65956	79.023	ug/l #	12

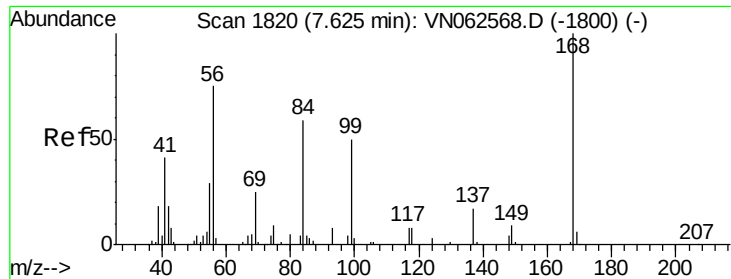
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062719.D

Acq: 1 Aug 2020 5:36

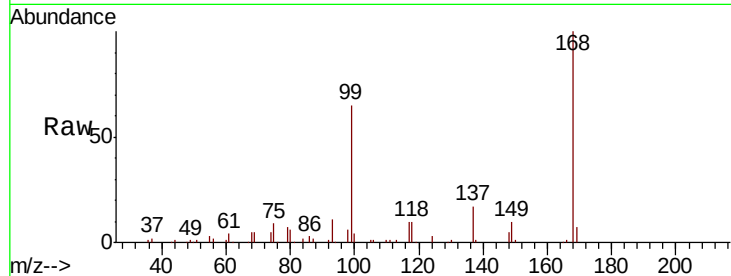
Instrument :
MSVOA_N
ClientSampled :
TP-10

Tot Ion:168 Resp: 130316

Ion Ratio Lower Upper

168 100

99 64.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

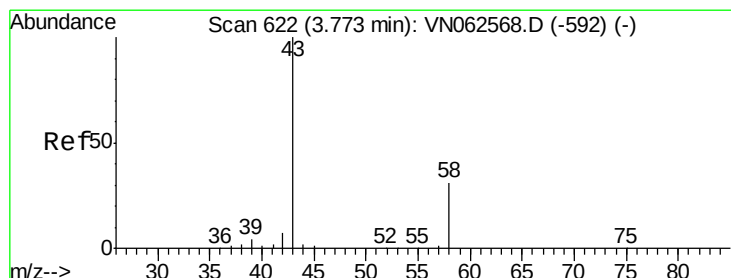
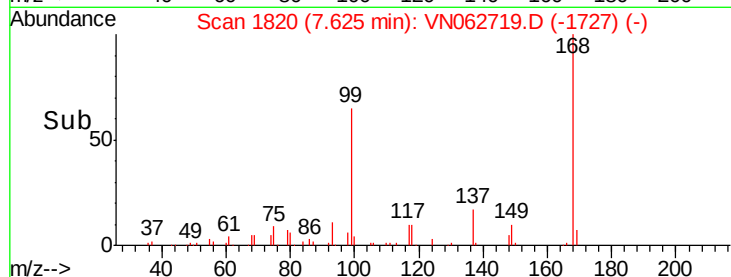
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 16.990 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062719.D

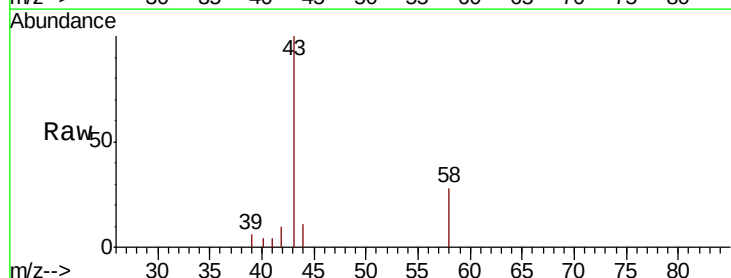
Acq: 1 Aug 2020 5:36

Tgt Ion: 43 Resp: 12943

Ion Ratio Lower Upper

43 100

58 27.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

5000

4000

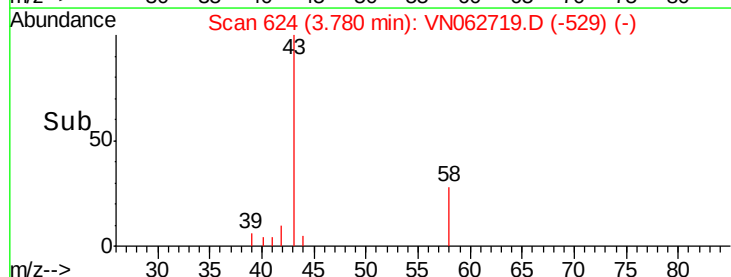
3000

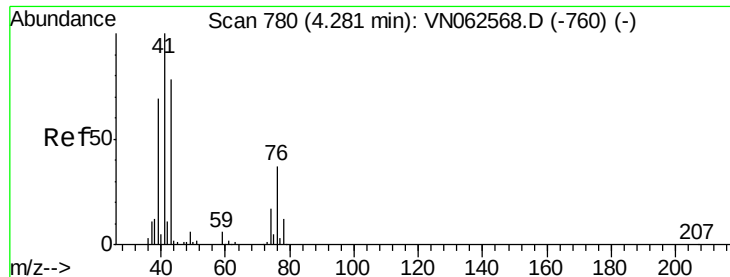
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

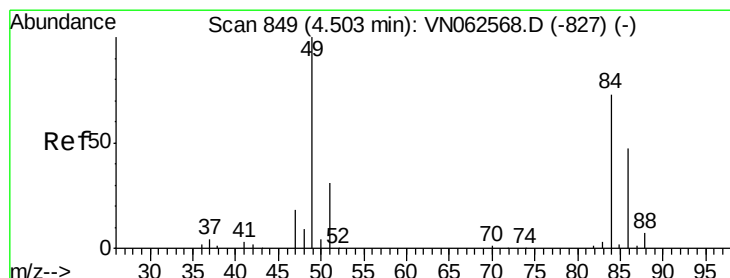
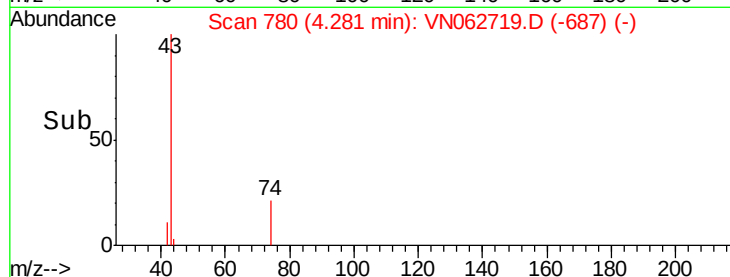
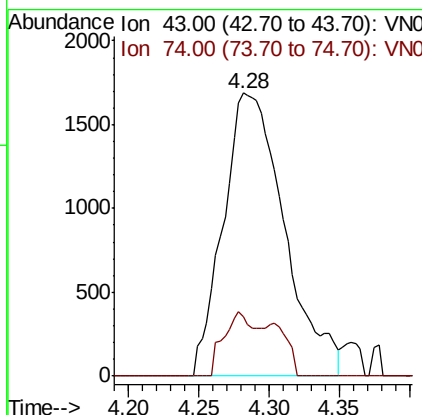
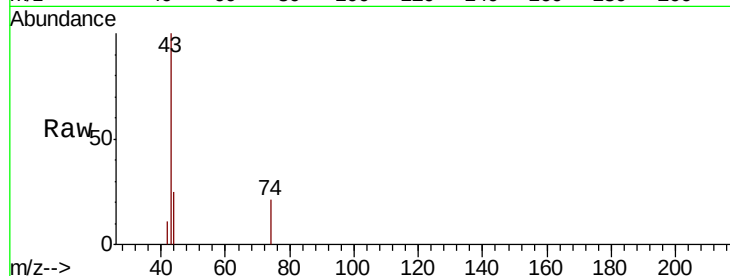




#18
Methvl Acetate
Concen: 2.654 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

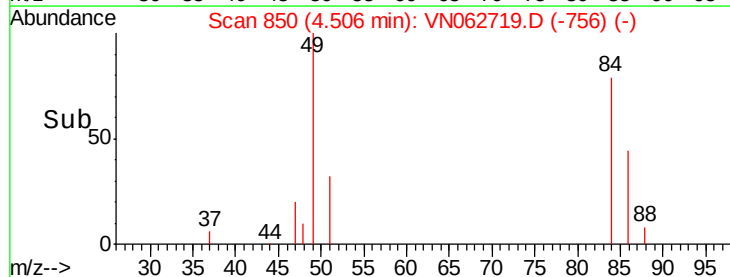
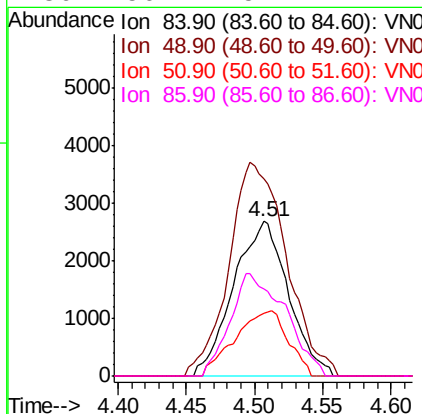
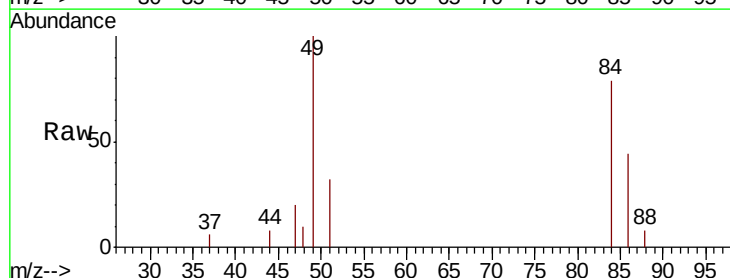
Instrument :
MSVOA_N
ClientSampleId :
TP-10

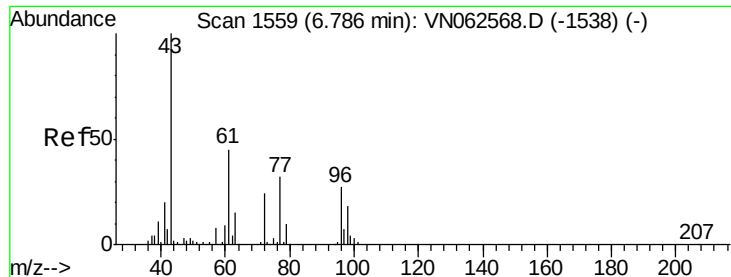
Tot Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
74 12.0 16.6 24.8#



#20
Methylene Chloride
Concen: 4.104 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Tgt Ion: 84 Resp: 7498
Ion Ratio Lower Upper
84 100
49 127.3 109.4 164.0
51 40.4 33.6 50.4
86 56.2 51.4 77.2

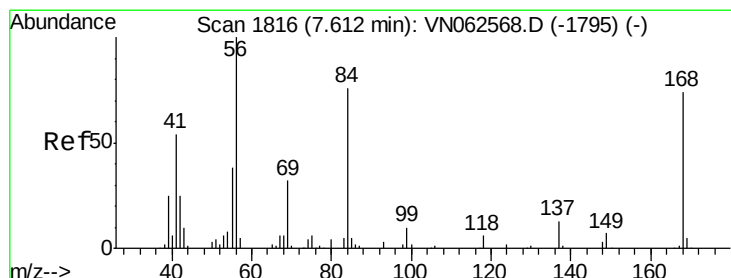
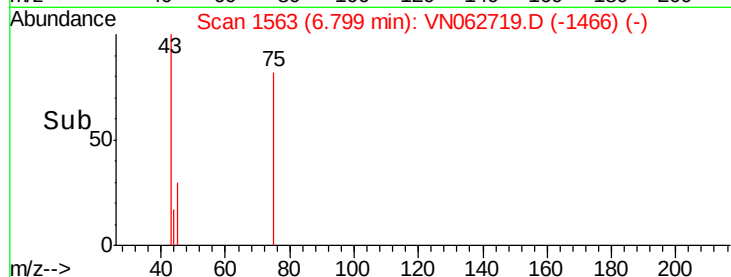
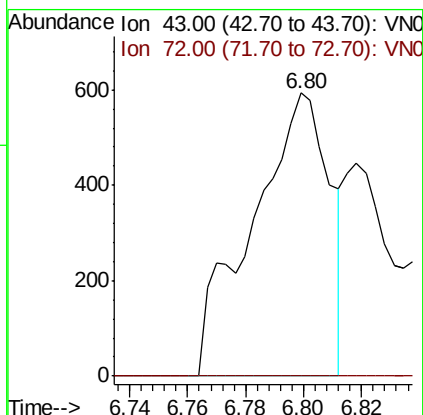
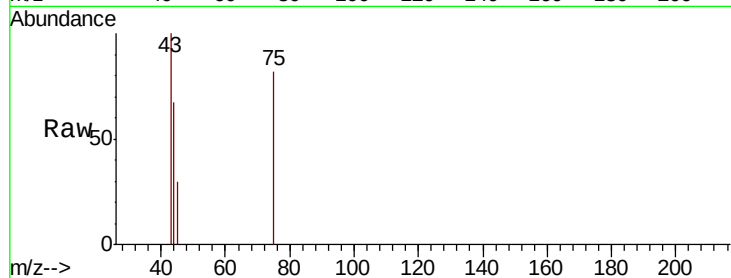




#25
2-Butanone
Concen: 0.946 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

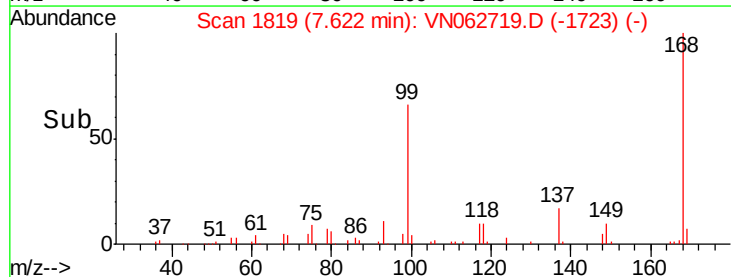
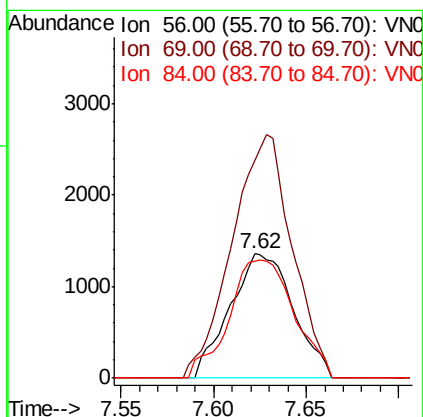
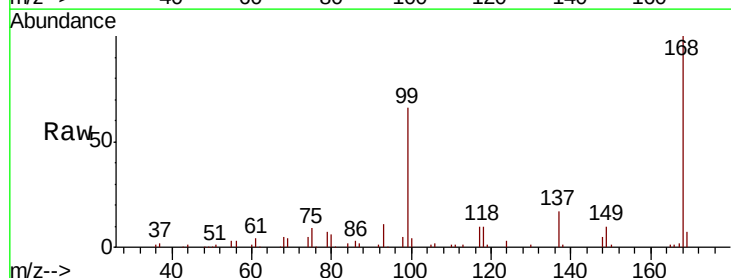
Instrument :
MSVOA_N
ClientSampled :
TP-10

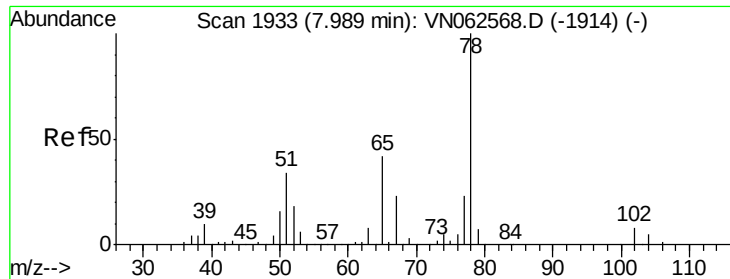
Tot Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Tgt Ion: 56 Resp: 3225
Ion Ratio Lower Upper
56 100
69 175.2 25.3 37.9#
84 94.0 61.0 91.4#

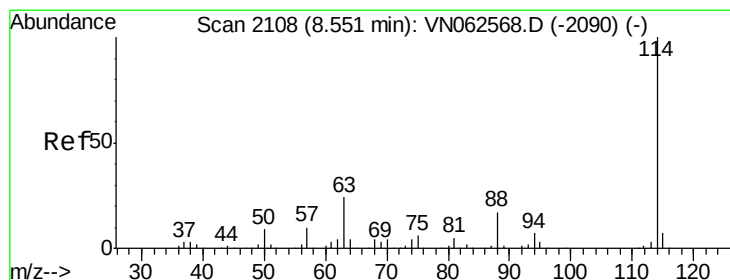
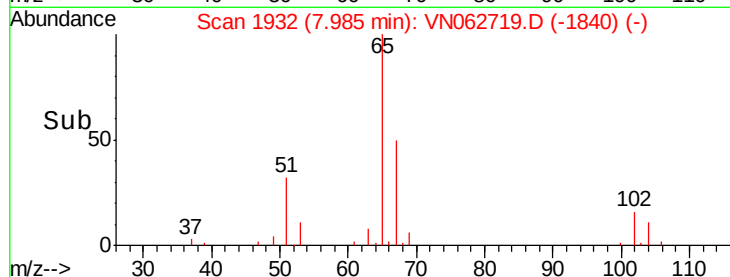
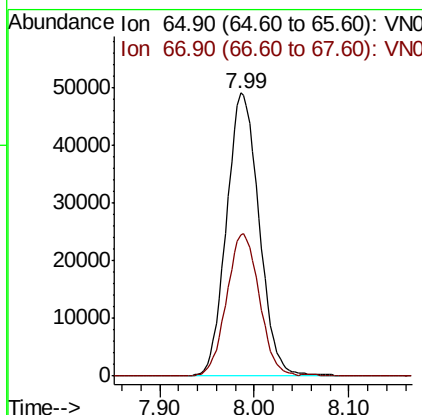
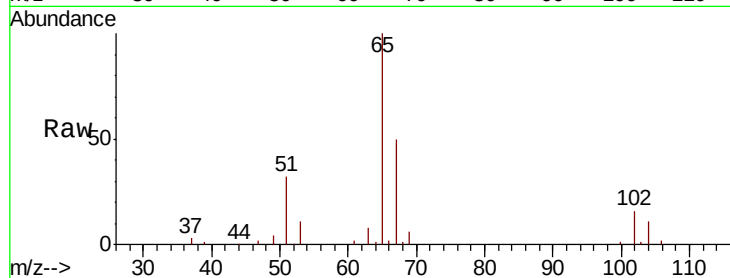




#33
 1,2-Dichloroethane-d4
 Concen: 58.099 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

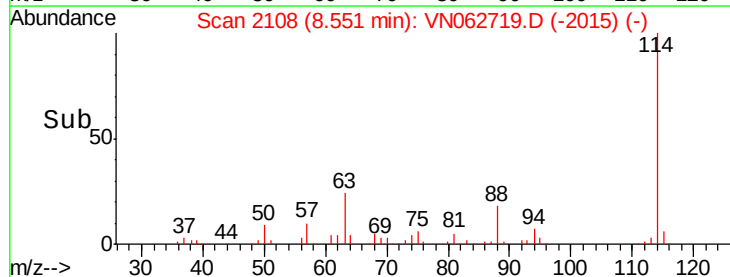
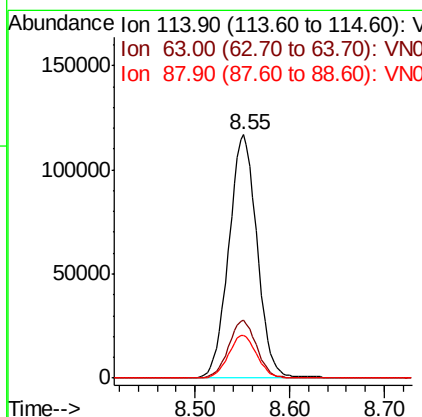
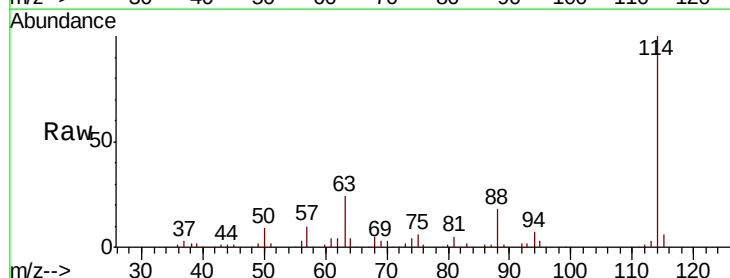
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

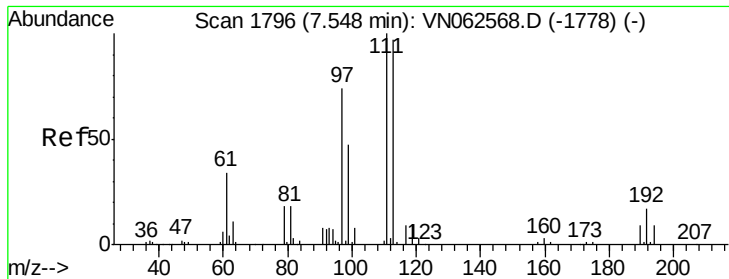
Tot Ion: 65 Resp: 117615
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

Tgt Ion: 114 Resp: 242280
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.4
 88 17.7 0.0 33.8

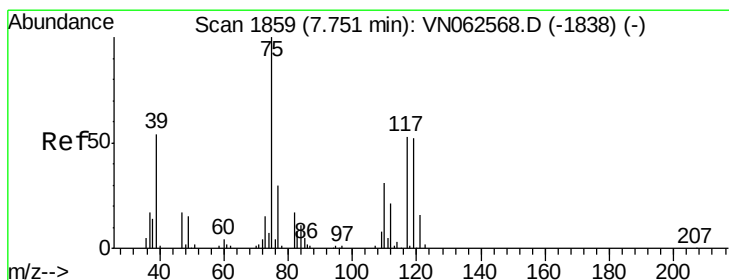
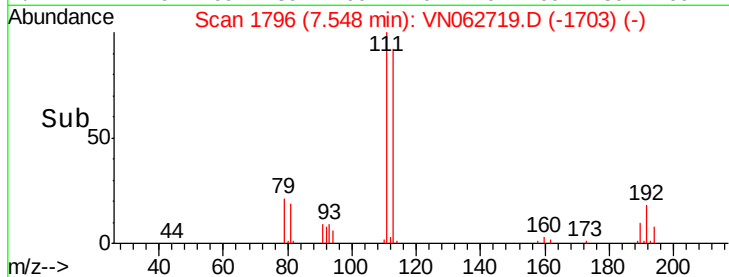
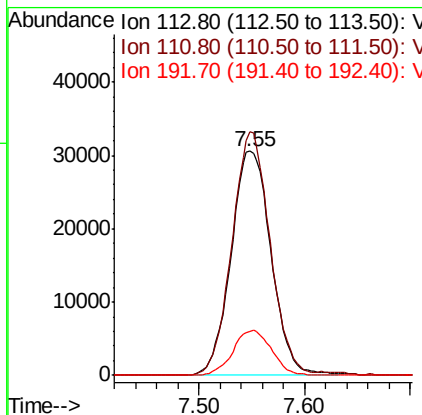
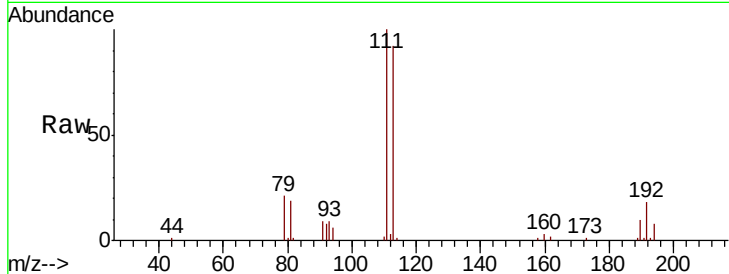




#35
 Dibromofluoromethane
 Concen: 50.575 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

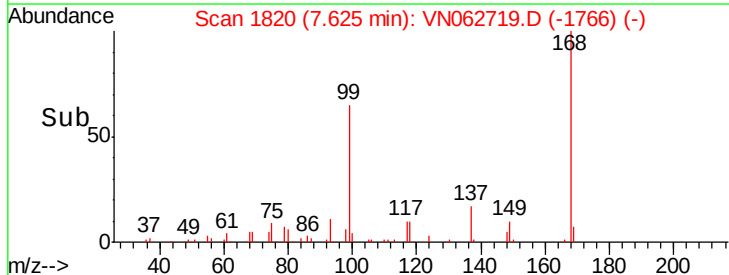
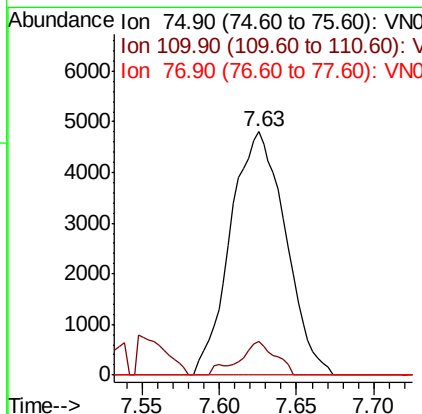
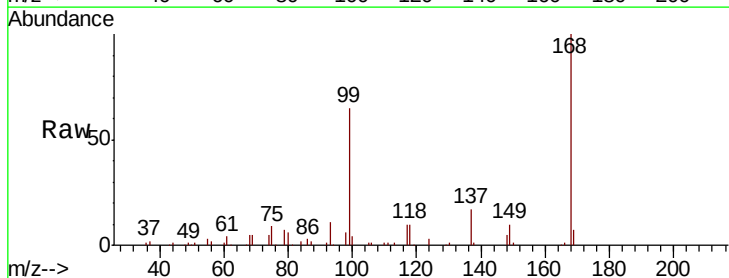
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 MSVOA_N
 ClientSampleId :
 TP-10

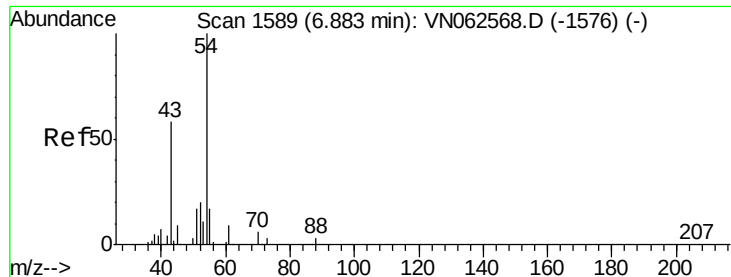
Tot Ion:113 Resp: 80486
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 19.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.598 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

Tgt Ion: 75 Resp: 11875
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.0 48.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.394 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.08 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

Instrument :

MSVOA_N

ClientSampleId :

TP-10

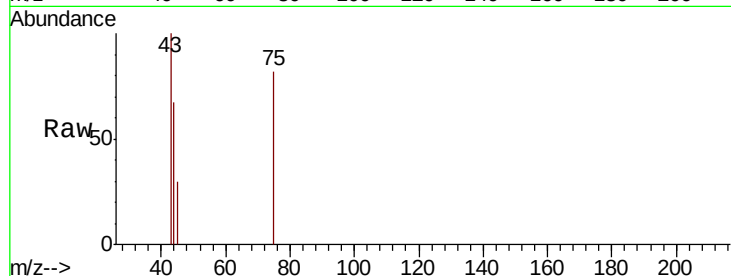
Tot Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

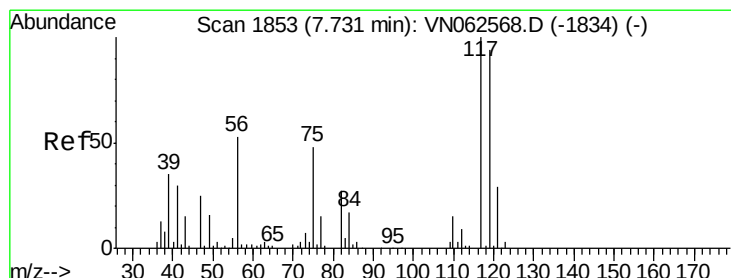
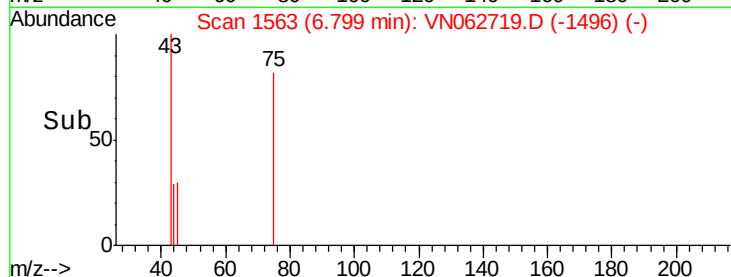
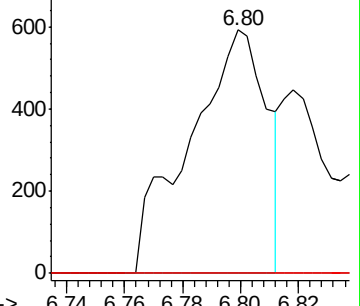
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

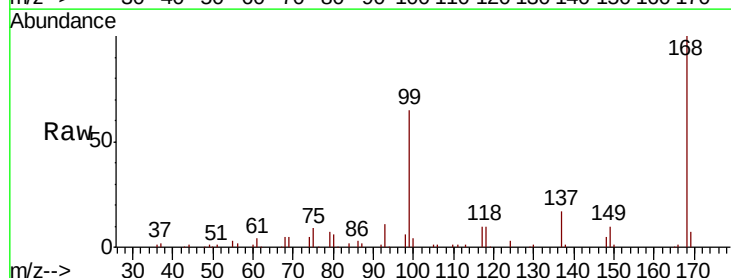
Tgt Ion: 117 Resp: 14148

Ion Ratio Lower Upper

117 100

119 4.7 74.8 112.2#

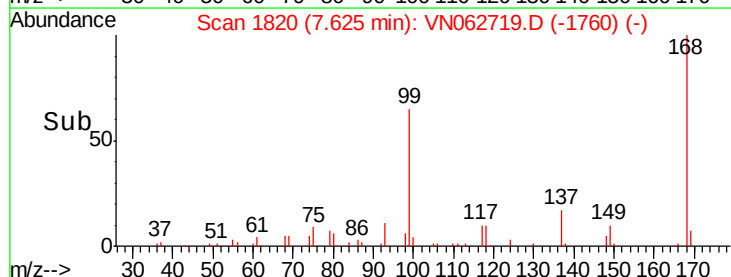
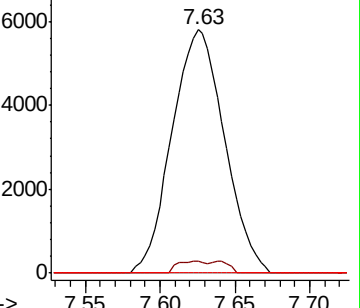
121 0.0 23.0 34.6#

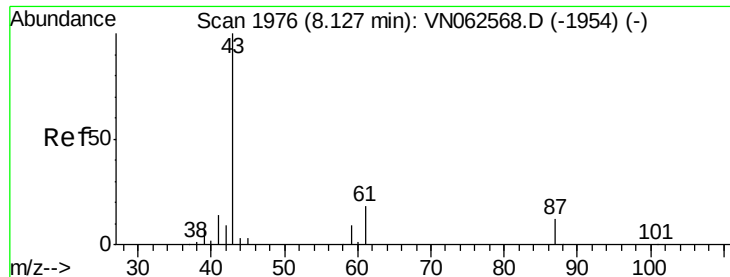


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 9.820 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

Instrument :

MSVOA_N

ClientSampled :

TP-10

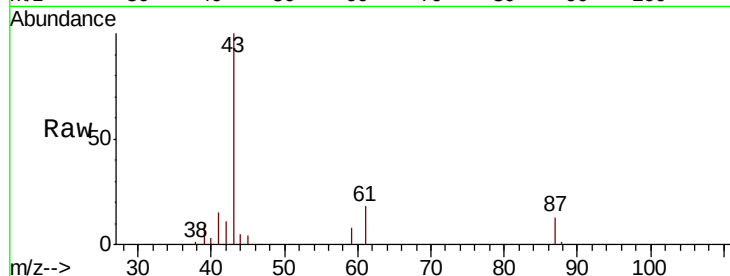
Tot Ion: 43 Resp: 44069

Ion Ratio Lower Upper

43 100

61 18.5 20.8 31.2#

87 12.5 9.2 13.8

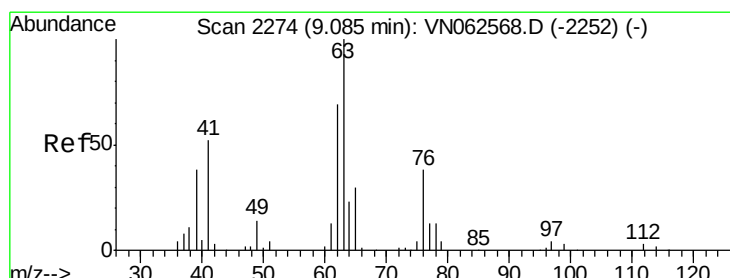
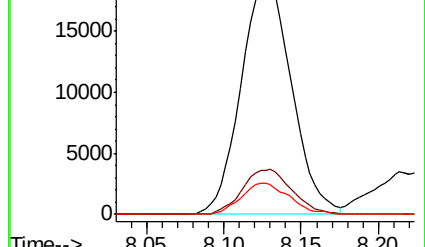
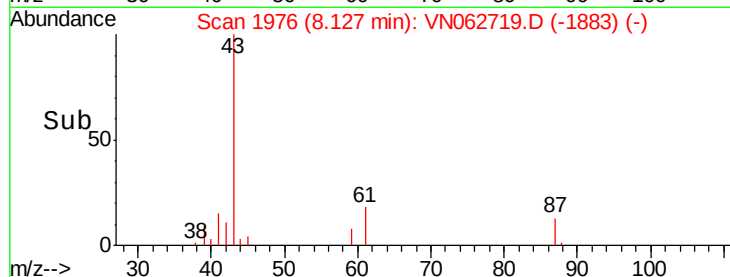


Abundance Ion 43.00 (42.70 to 43.70): VN062719.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062719.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062719.D (-1883) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.382 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062719.D

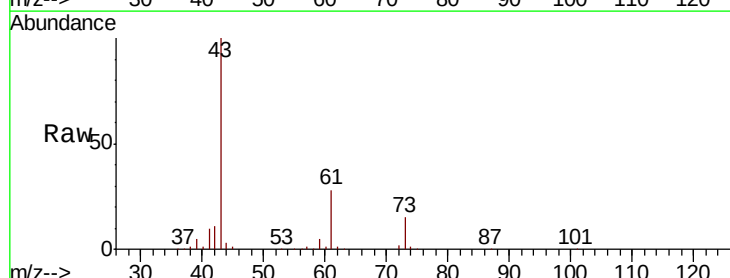
Acq: 1 Aug 2020 5:36

Tgt Ion: 63 Resp: 838

Ion Ratio Lower Upper

63 100

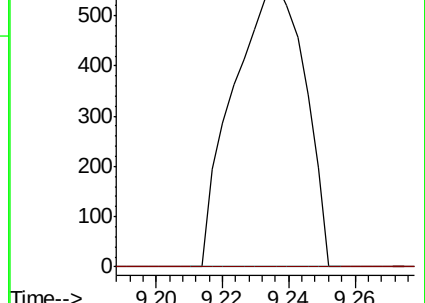
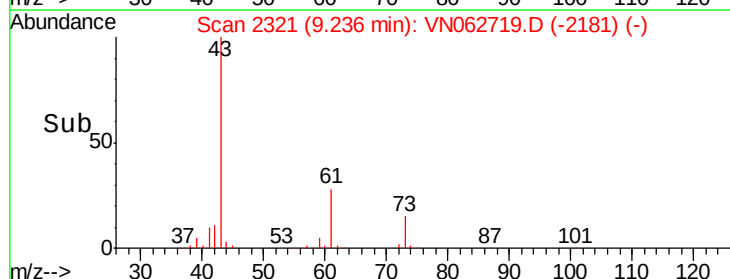
65 0.0 24.4 36.6#

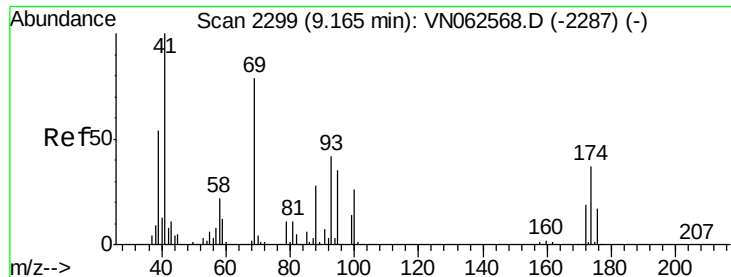


Abundance Ion 62.90 (62.60 to 63.60): VN062719.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062719.D (-2181) (-)

Time-->

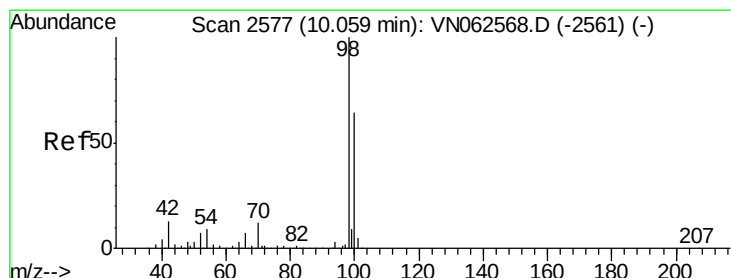
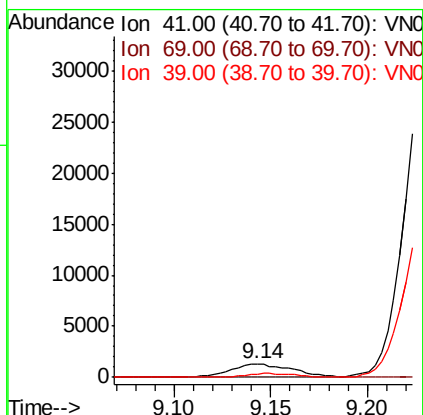
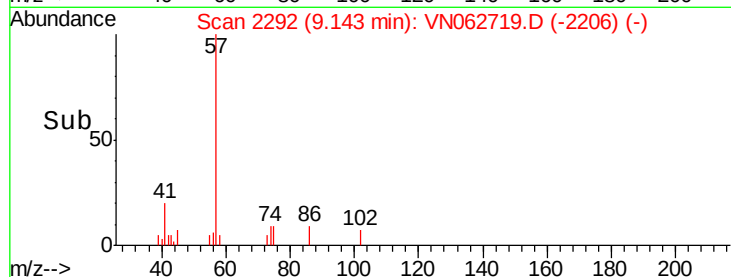
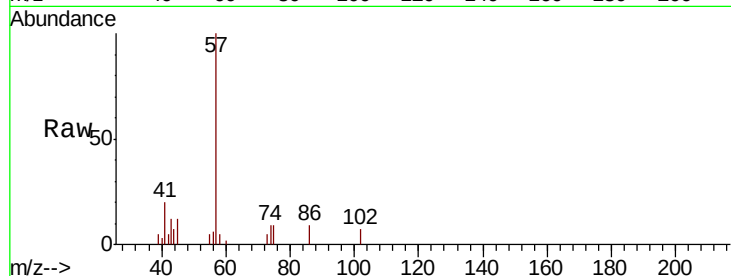




#48
Methvl methacrylate
Concen: 1.363 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

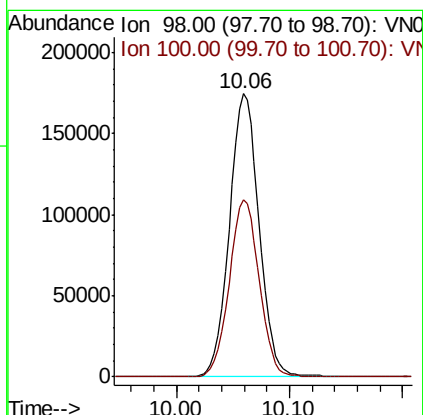
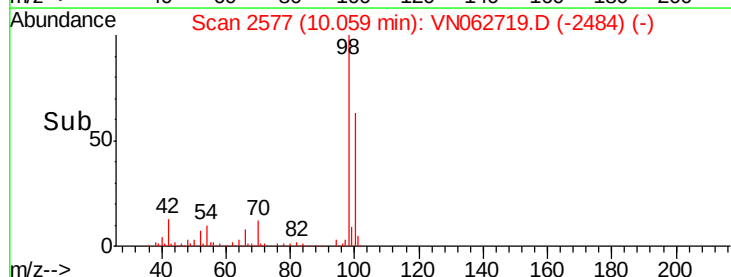
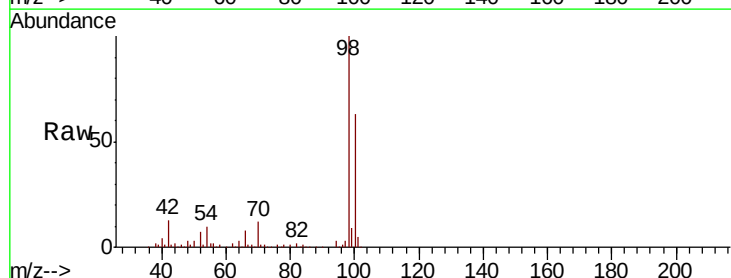
Instrument :
MSVOA_N
ClientSampled :
TP-10

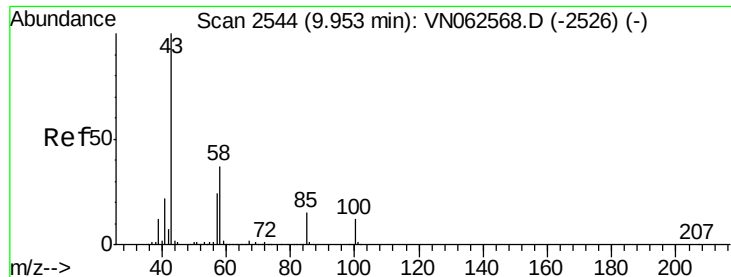
Tot Ion: 41 Resp: 2907
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.060 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Tgt Ion: 98 Resp: 317866
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.898 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

Instrument :

MSVOA_N

ClientSampled :

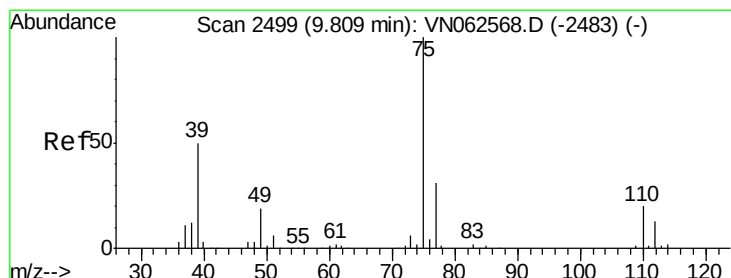
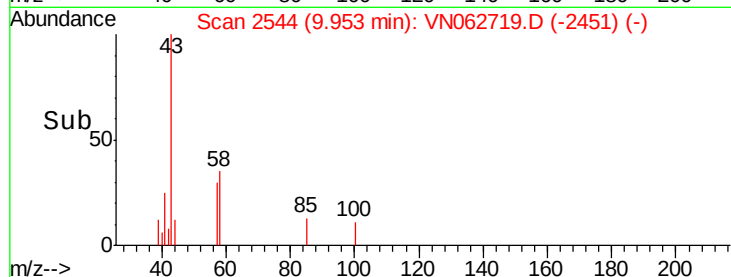
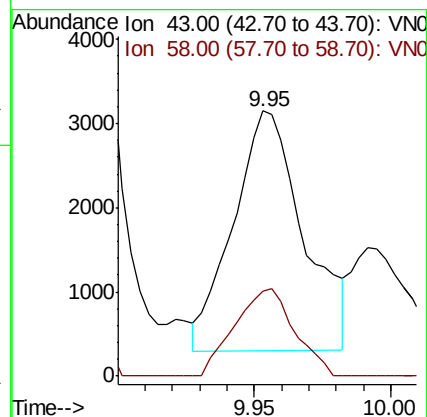
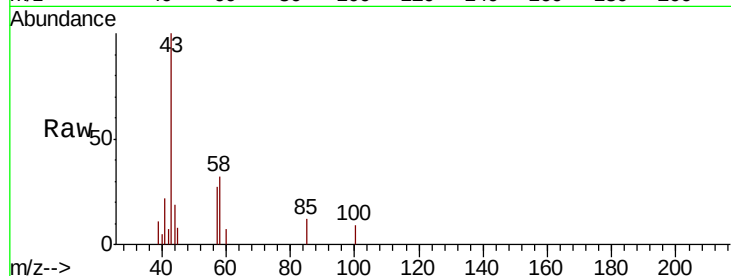
TP-10

Tot Ion: 43 Resp: 5095

Ion Ratio Lower Upper

43 100

58 31.0 29.8 44.6



#54

cis-1,3-Dichloropropene

Concen: 5.465 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

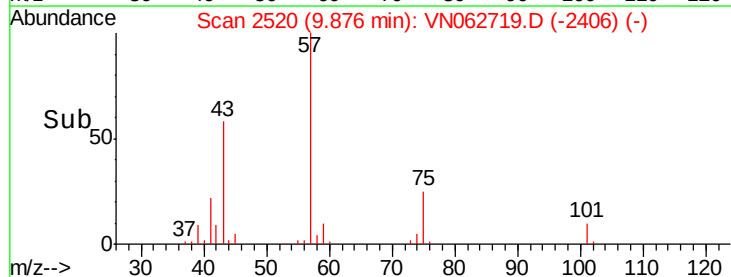
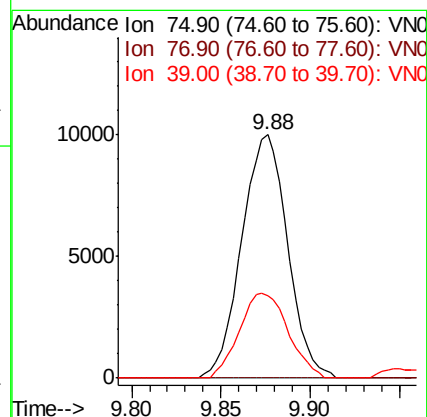
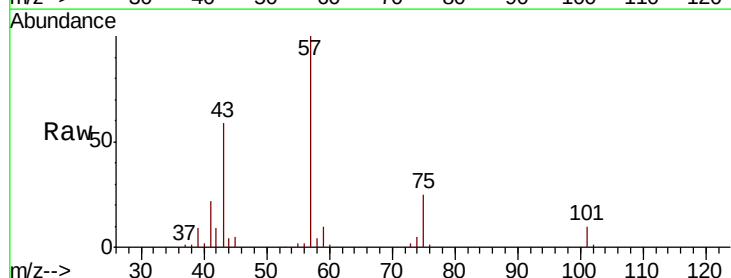
Tgt Ion: 75 Resp: 17943

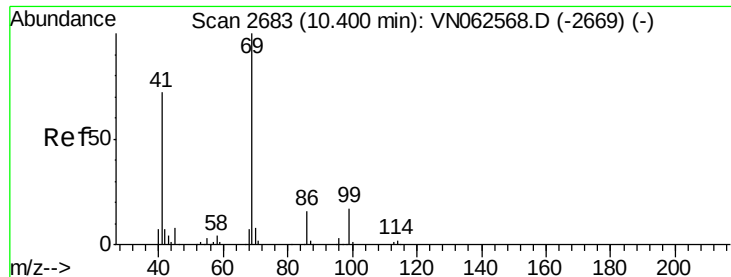
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 34.0 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.074 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062719.D

Acq: 1 Aug 2020 5:36

Instrument :

MSVOA_N

ClientSampled :

TP-10

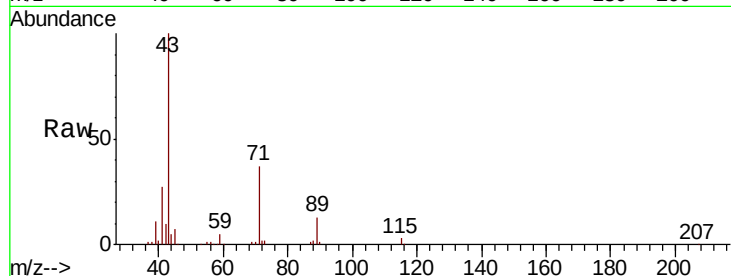
Tot Ion: 69 Resp: 999

Ion Ratio Lower Upper

69 100

41 4112.8 57.2 85.8#

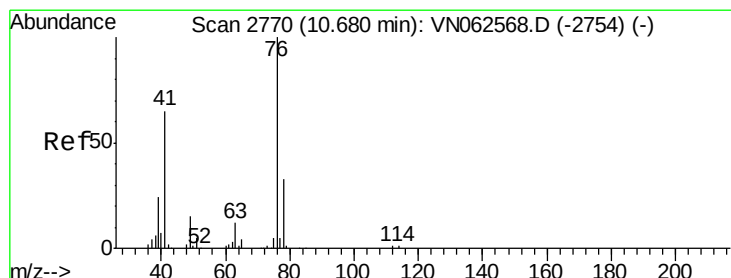
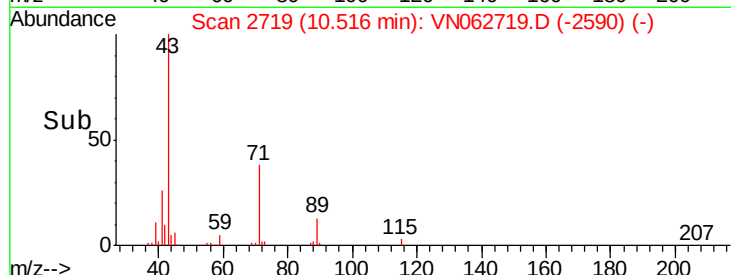
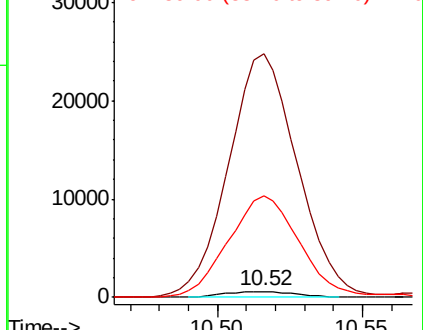
39 1774.0 28.6 43.0#



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: 0.998 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062719.D

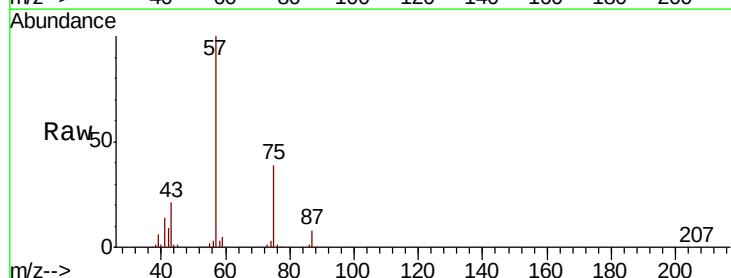
Acq: 1 Aug 2020 5:36

Tgt Ion: 76 Resp: 3220

Ion Ratio Lower Upper

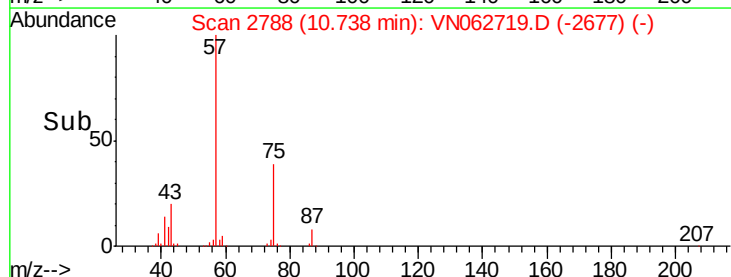
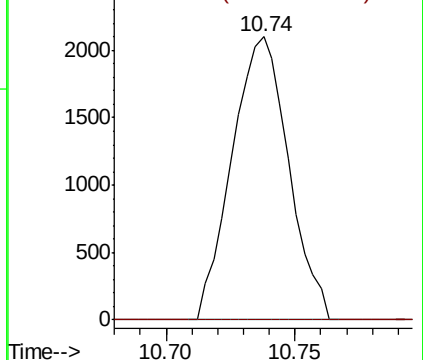
76 100

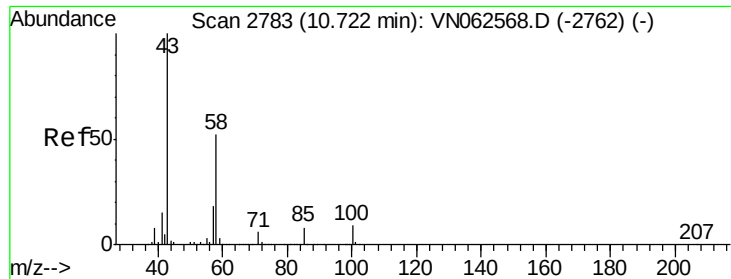
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

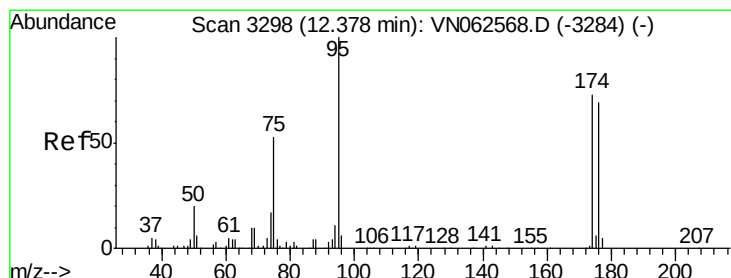
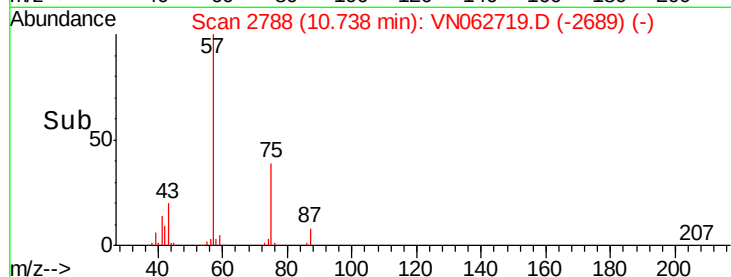
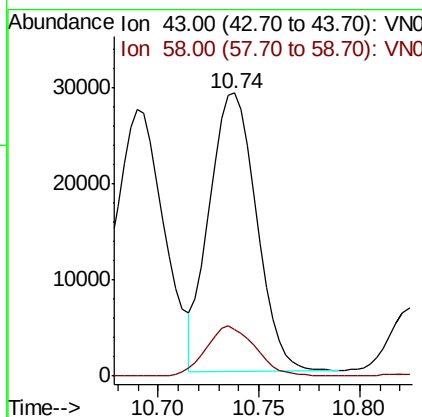
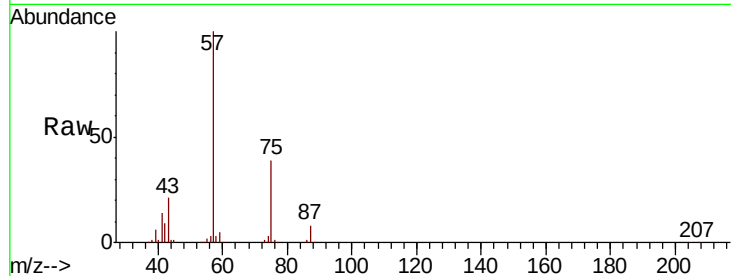




#59
2-Hexanone
Concen: 25.369 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

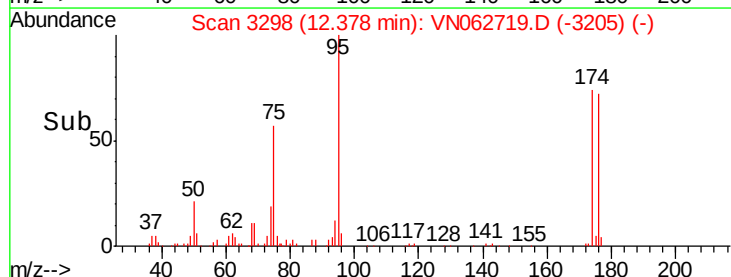
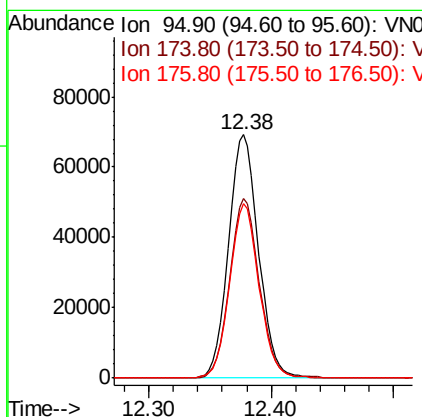
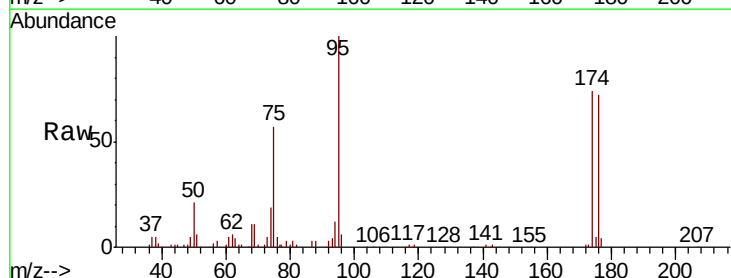
Instrument :
MSVOA_N
ClientSampled :
TP-10

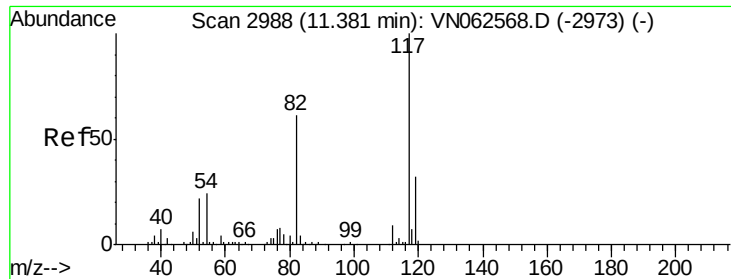
Tot Ion: 43 Resp: 47094
Ion Ratio Lower Upper
43 100
58 18.7 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 51.166 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Tgt Ion: 95 Resp: 118794
Ion Ratio Lower Upper
95 100
174 73.0 0.0 144.6
176 70.3 0.0 139.4

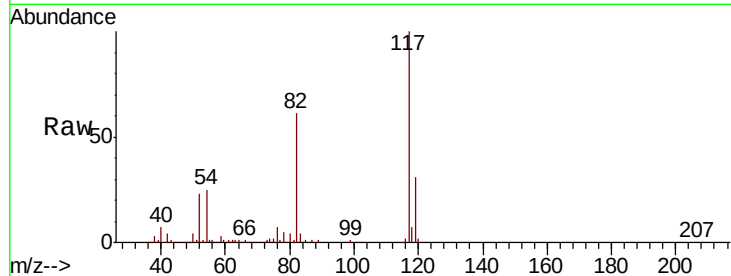




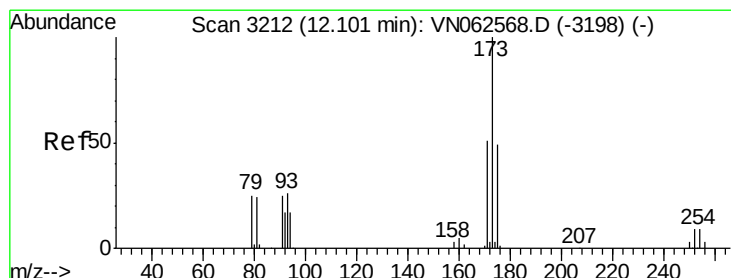
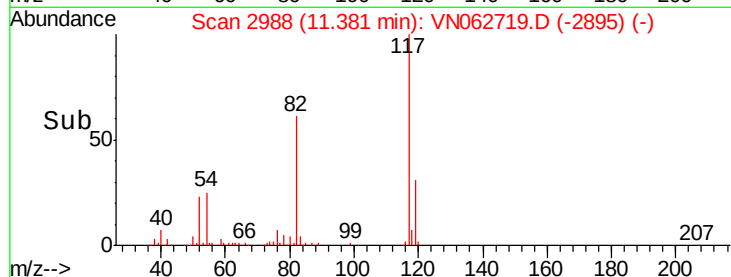
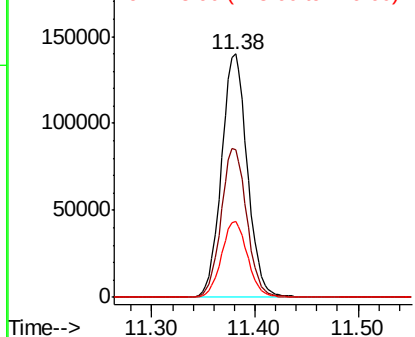
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Instrument :
MSVOA_N
ClientSampled :
TP-10

Tot Ion:117 Resp: 244164
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 31.0 25.4 38.2

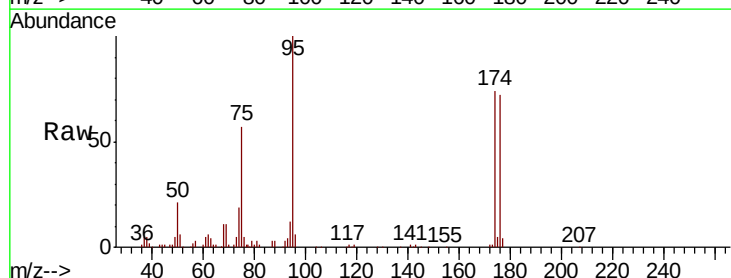


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

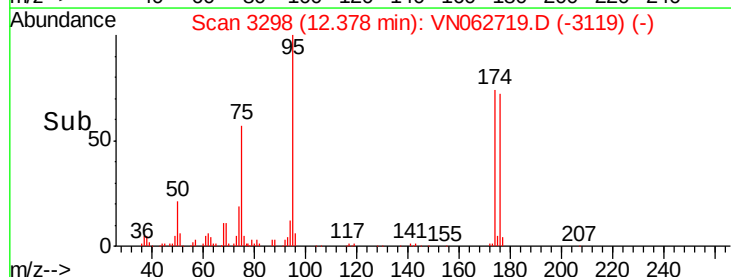
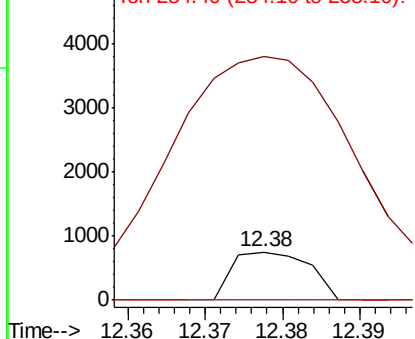


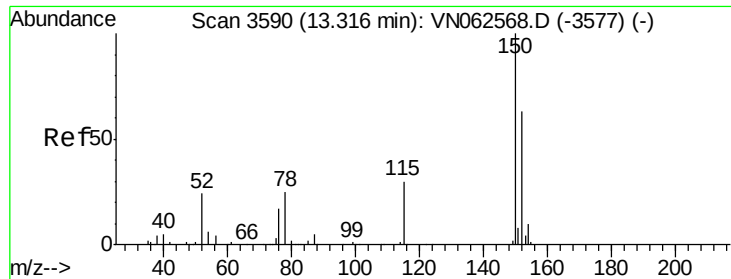
#71
Bromoform
Concen: 0.359 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062719.D
Acq: 1 Aug 2020 5:36

Tgt Ion:173 Resp: 519
Ion Ratio Lower Upper
173 100
175 1071.9 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

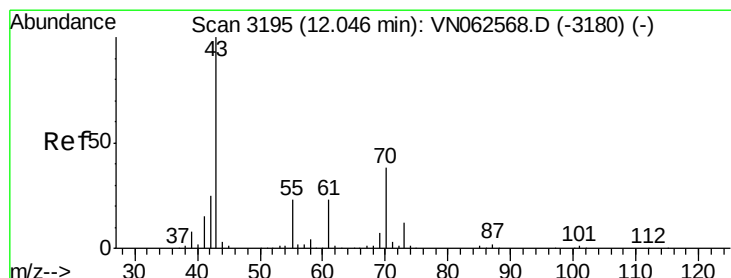
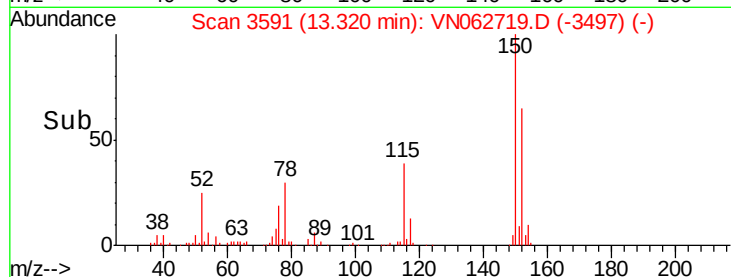
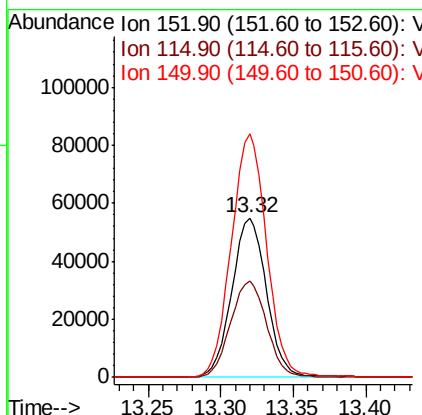
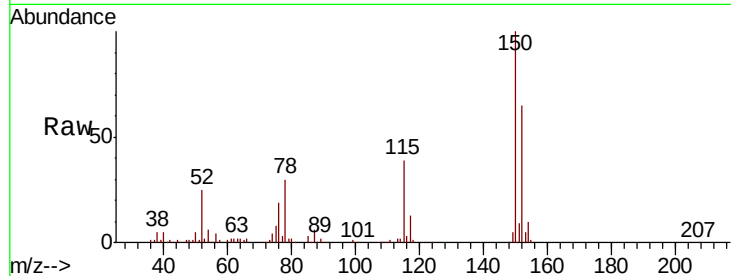




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

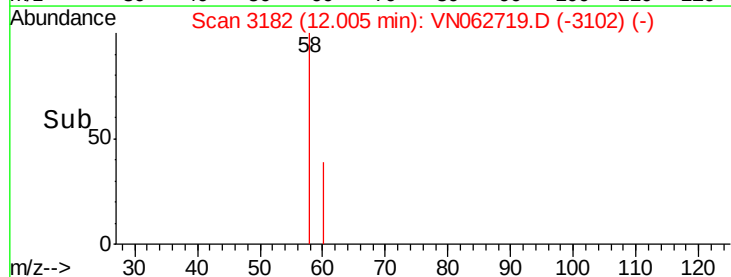
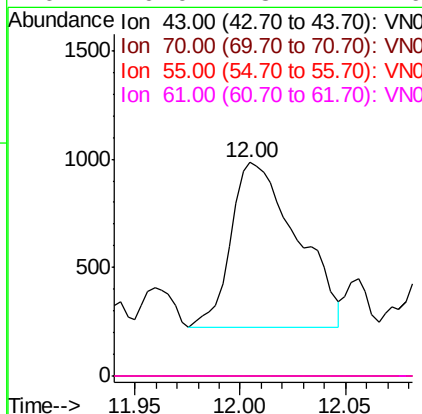
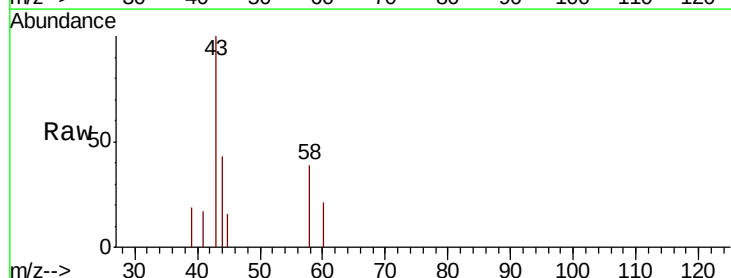
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

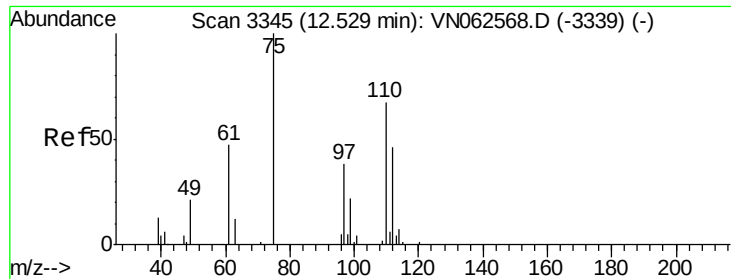
Tot Ion:152 Resp: 91282
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.8 95.4
 150 155.8 0.0 351.4



#74
 N-ethyl acetate
 Concen: 0.515 ug/l
 RT: 12.00 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

Tgt Ion: 43 Resp: 1660
 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#

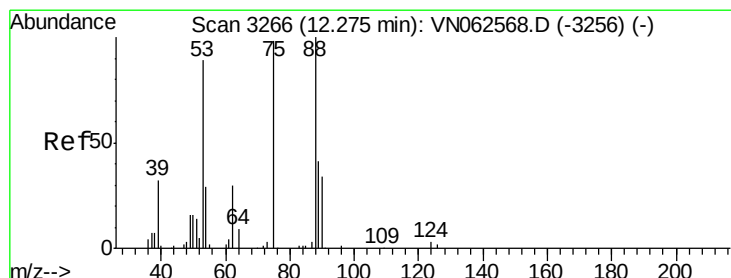
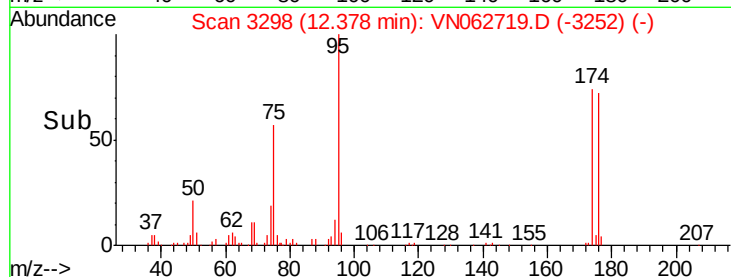
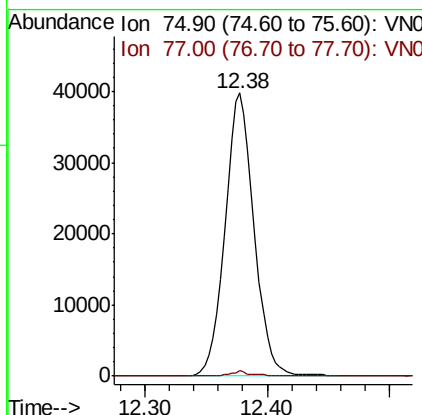
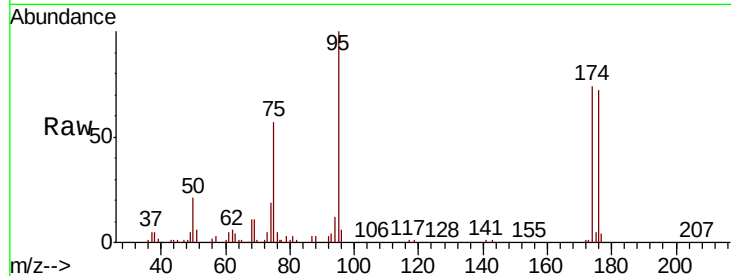




#76
 1,2,3-Trichloropropane
 Concen: 28.387 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Tot Ion: 75 Resp: 65956
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.023 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062719.D
 Acq: 1 Aug 2020 5:36

Tgt Ion: 75 Resp: 65956
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

