

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063976.D
 Acq On : 8 Oct 2020 6:05
 Operator : JC/MD
 Sample : L4260-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Oct 08 06:52:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	432121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177351	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	204340	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.55	113	151346	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.06	98	547821	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.38	95	212916	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

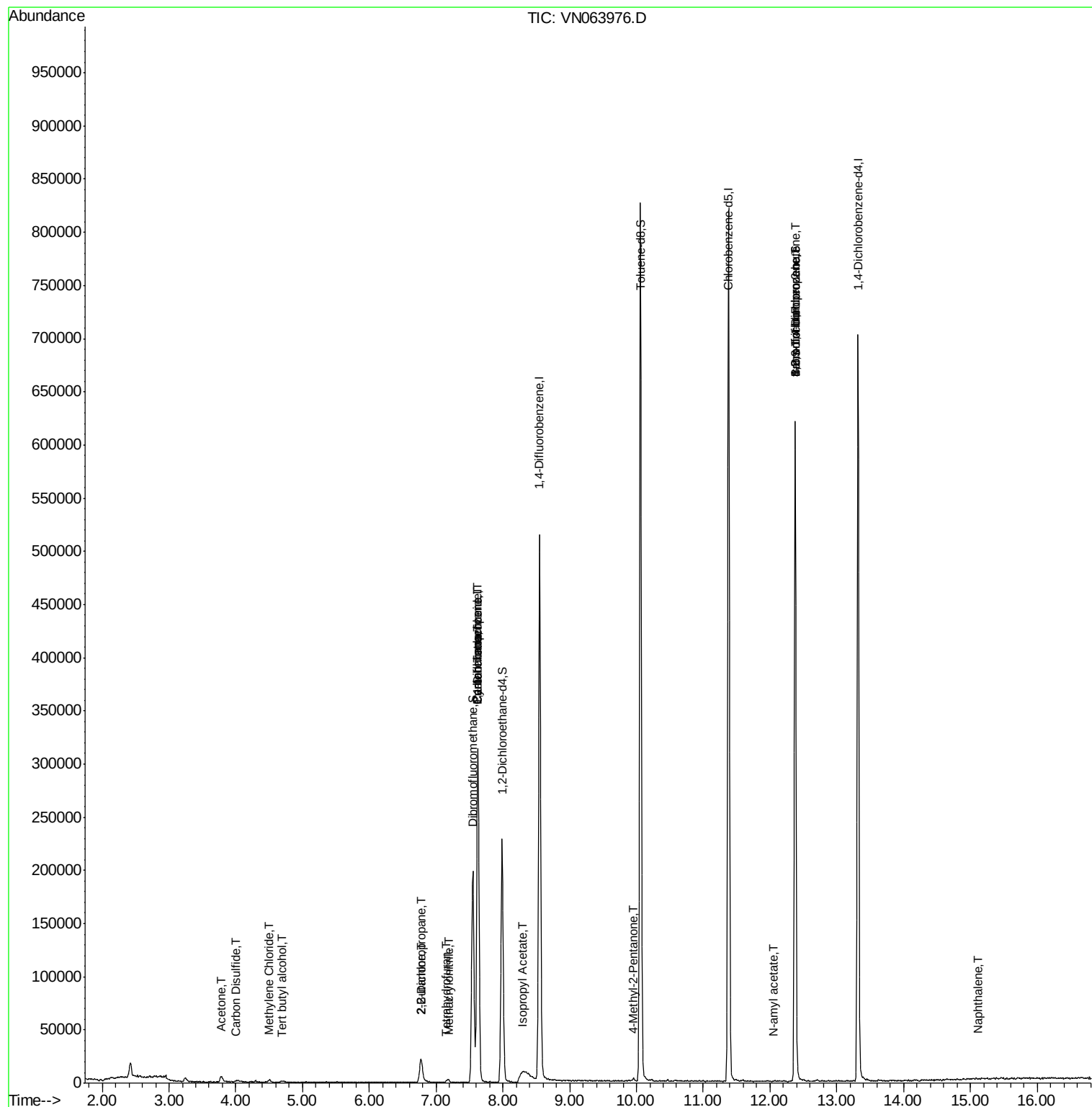
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	556	1.299	ug/l #	71
16) Acetone	3.78	43	10445	8.750	ug/l #	88
17) Carbon Disulfide	4.01	76	541	0.784	ug/l #	76
20) Methylene Chloride	4.49	84	837	0.404	ug/l #	71
25) 2-Butanone	6.79	43	1098	0.649	ug/l #	51
26) 2,2-Dichloropropane	6.77	77	1203	0.254	ug/l #	54
29) Tetrahydrofuran	7.15	42	412	0.363	ug/l #	74
31) Cyclohexane	7.63	56	6149	1.366	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	21490	4.909	ug/l #	52
38) Carbon Tetrachloride	7.63	117	25810	5.258	ug/l #	15
41) Methacrylonitrile	7.18	41	1443	0.746	ug/l #	36
43) Isopropyl Acetate	8.29	43	9628	1.342	ug/l #	64
51) 4-Methyl-2-Pentanone	9.96	43	1780	0.423	ug/l	95
71) Bromoform	12.37	173	1193	0.449	ug/l #	1
74) N-amyl acetate	12.05	43	201	2.248	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116241	29.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116241	85.635	ug/l #	6
95) Naphthalene	15.11	128	154	1.940	ug/l #	69

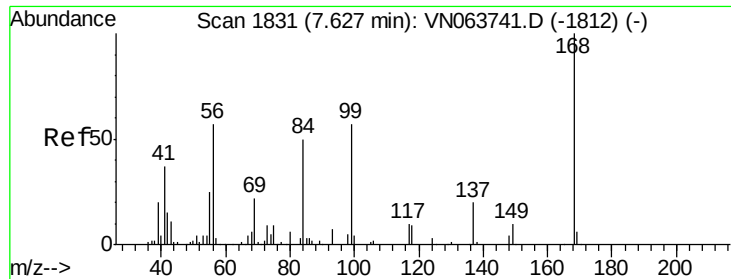
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

Instrument :

MSVOA_N

ClientSampled :

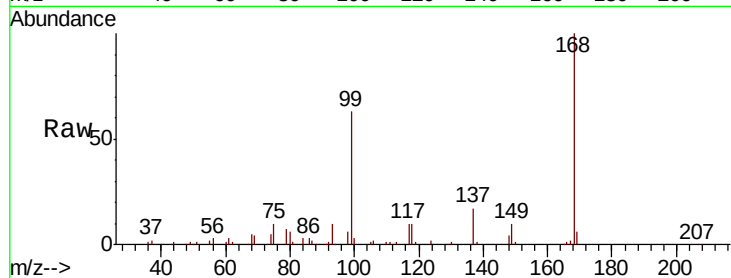
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Tot Ion:168 Resp: 234726

Ion Ratio Lower Upper

168 100

99 63.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

100000

80000

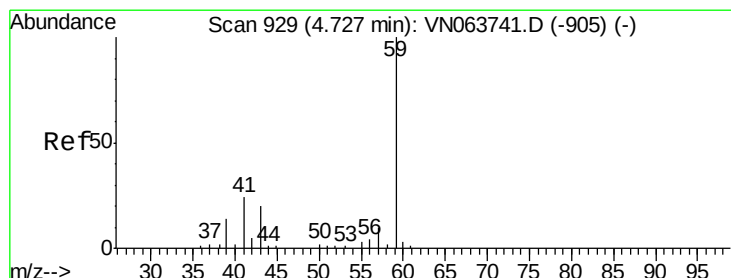
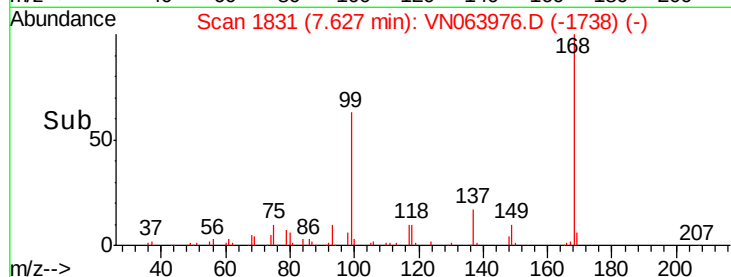
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.299 ug/l

RT: 4.70 min Scan# 920

Delta R.T. -0.03 min

Lab File: VN063976.D

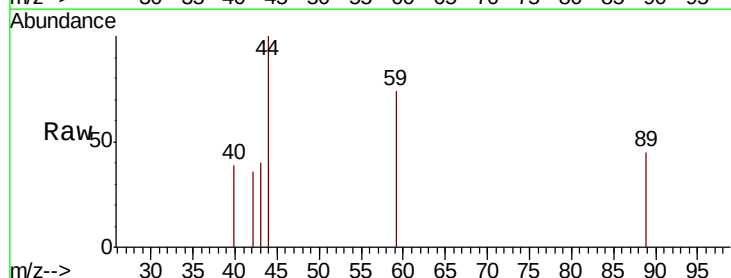
Acq: 8 Oct 2020 6:05

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN063741.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063741.D (-905) (-)

4.70

400

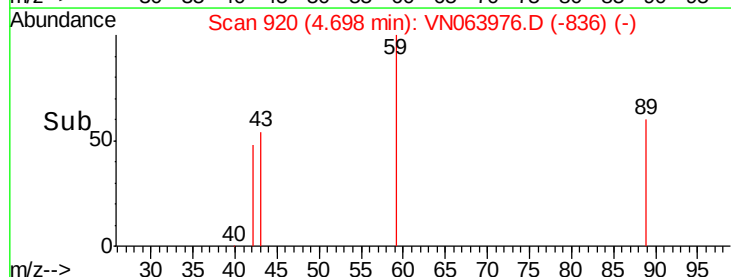
300

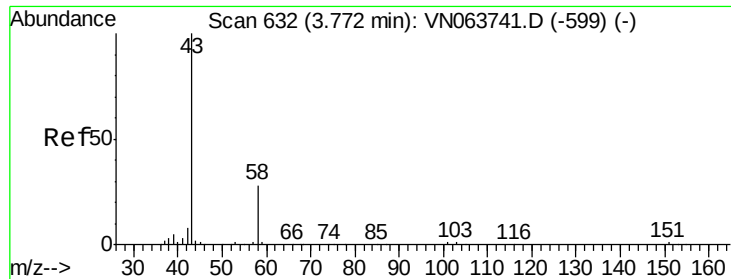
200

100

0

Time--> 4.66 4.68 4.70 4.72





#16

Acetone

Concen: 8.750 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

Instrument :

MSVOA_N

ClientSampleId :

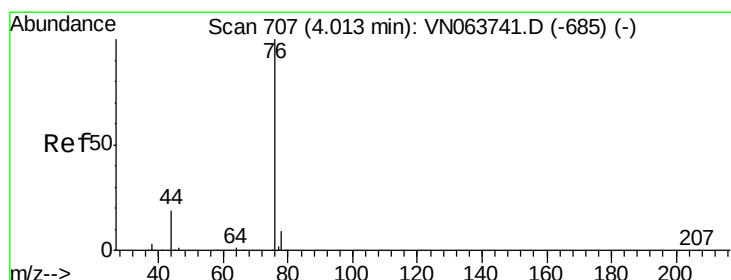
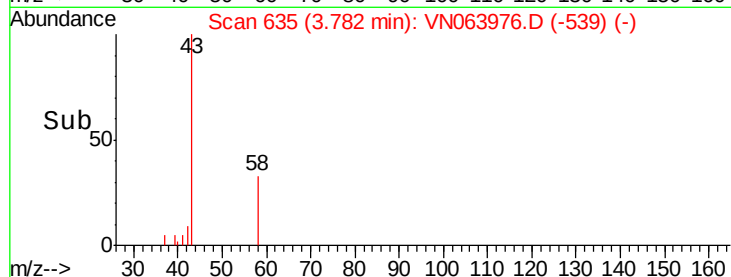
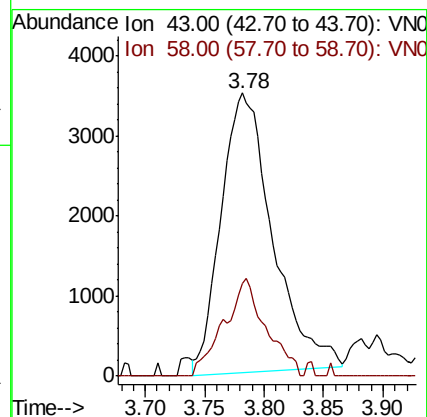
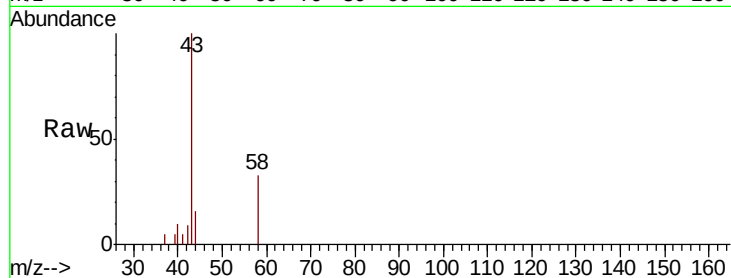
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Tot Ion: 43 Resp: 10445

Ion Ratio Lower Upper

43 100

58 34.3 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.784 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063976.D

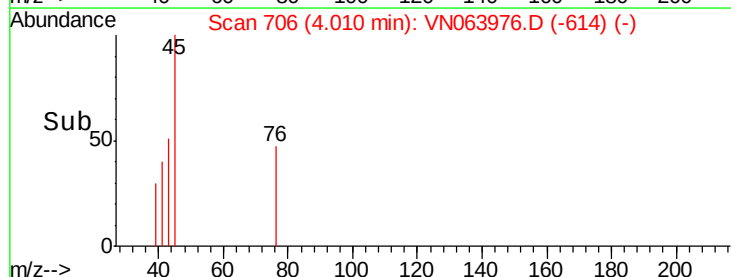
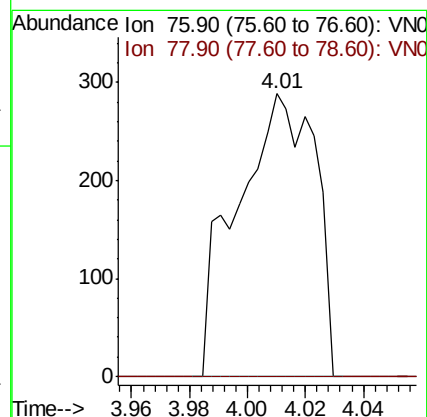
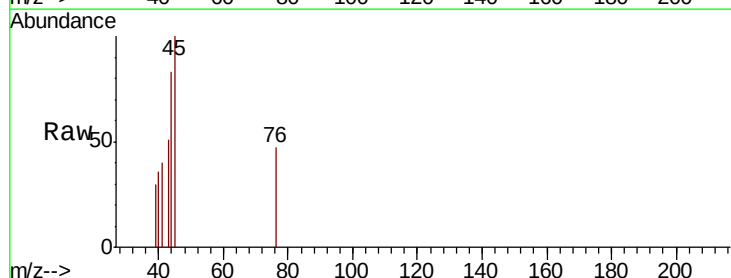
Acq: 8 Oct 2020 6:05

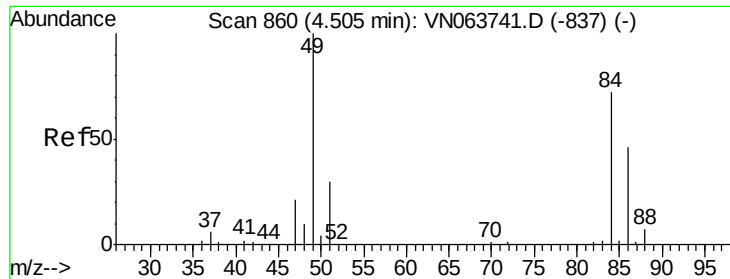
Tgt Ion: 76 Resp: 541

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

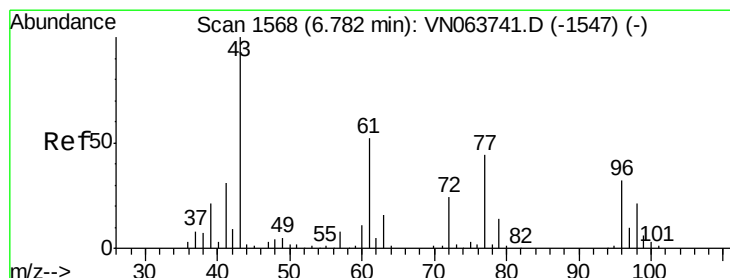
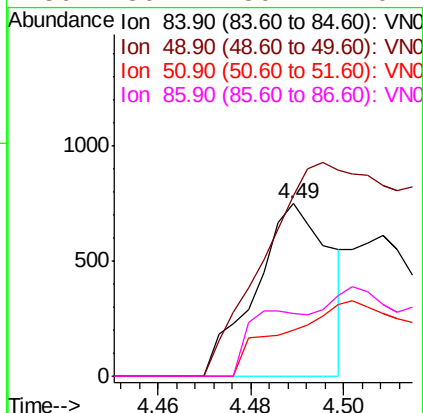
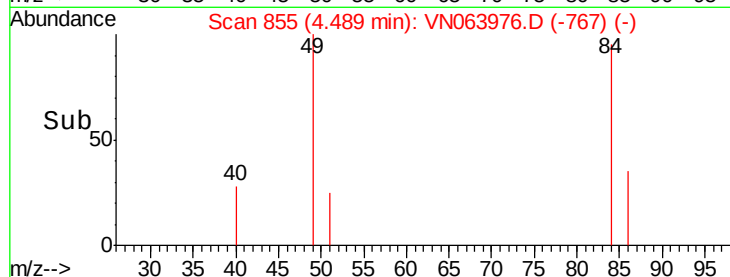
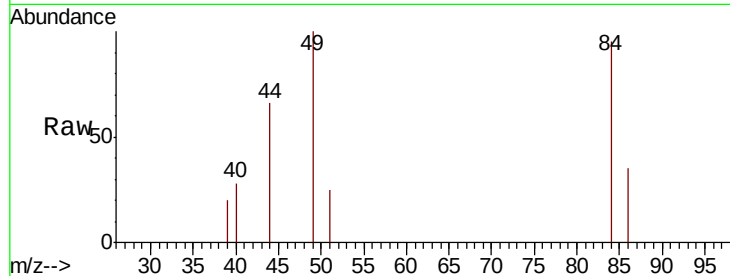




#20
Methvlene Chloride
Concen: 0.404 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.02 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

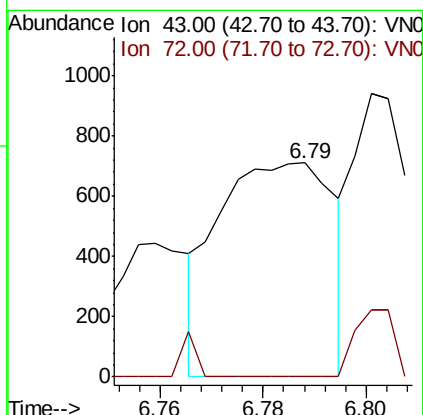
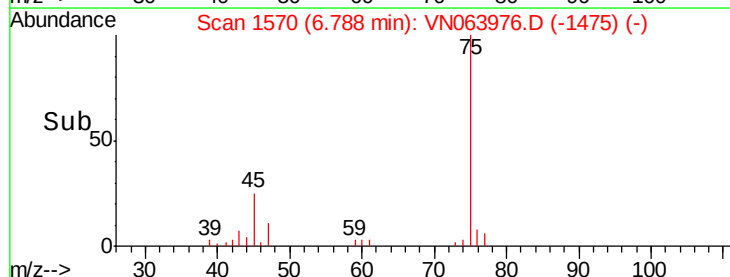
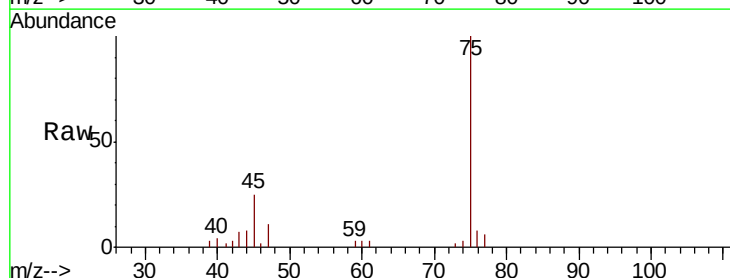
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ClientSampled :
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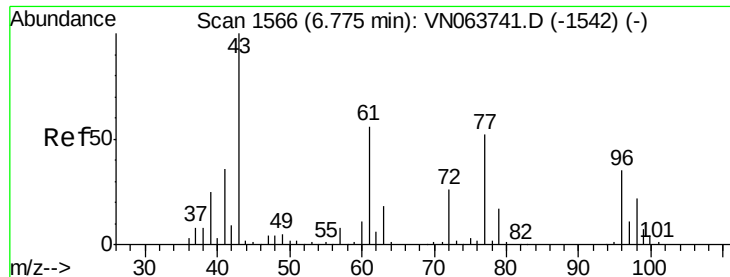
Tot Ion: 84 Resp: 837
Ion Ratio Lower Upper
84 100
49 104.9 110.4 165.6#
51 26.5 33.3 49.9#
86 36.4 50.7 76.1#



#25
2-Butanone
Concen: 0.649 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#

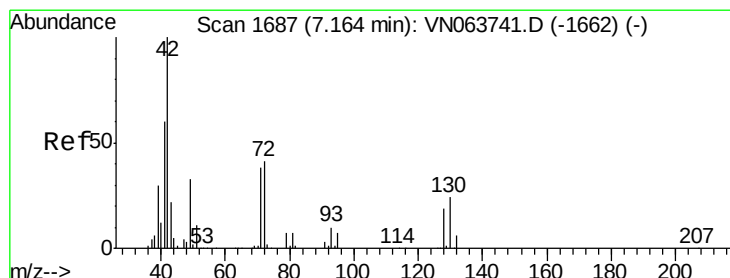
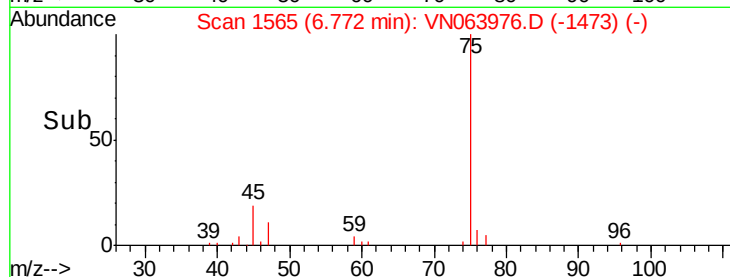
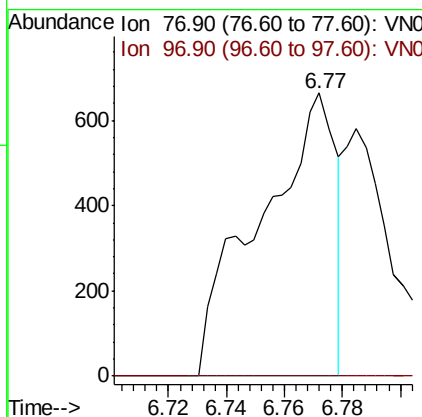
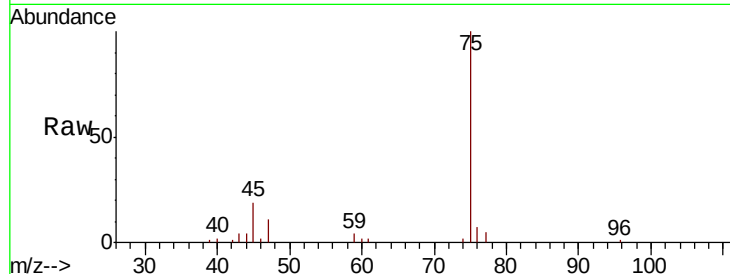




#26
 2,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN063976.D
 Acq: 8 Oct 2020 6:05

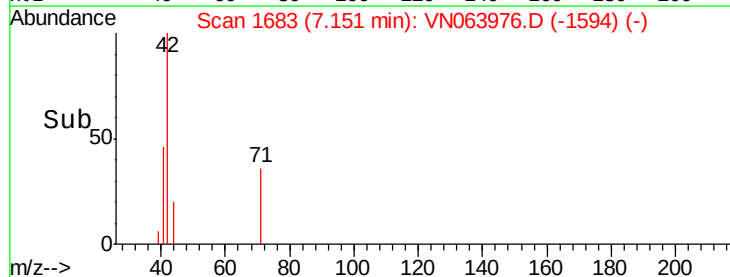
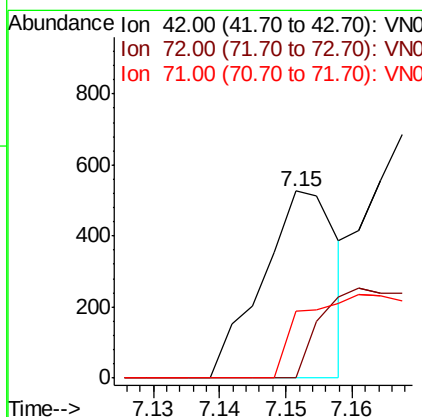
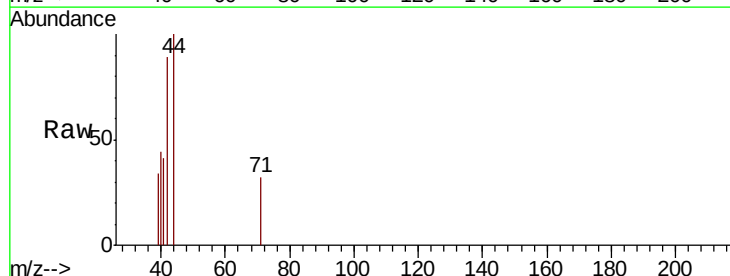
Instrument :
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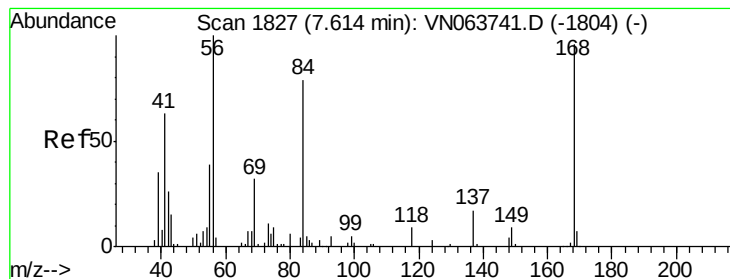
Tot Ion: 77 Resp: 1203
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.3#



#29
 Tetrahydrofuran
 Concen: 0.363 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VN063976.D
 Acq: 8 Oct 2020 6:05

Tgt Ion: 42 Resp: 412
 Ion Ratio Lower Upper
 42 100
 72 52.4 32.8 49.2#
 71 59.5 30.6 45.8#





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

Instrument :

MSVOA_N

ClientSampled :

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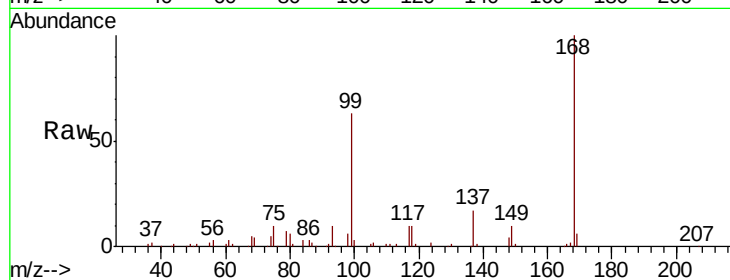
Tot Ion: 56 Resp: 6149

Ion Ratio Lower Upper

56 100

69 149.4 25.4 38.2#

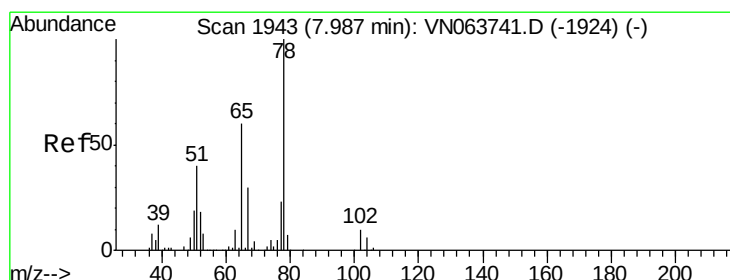
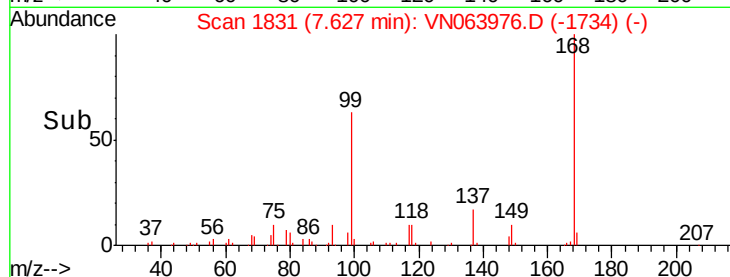
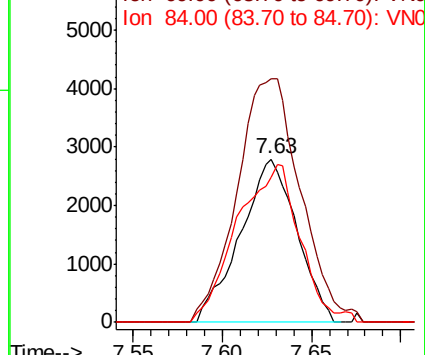
84 88.9 63.3 94.9



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: 52.694 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063976.D

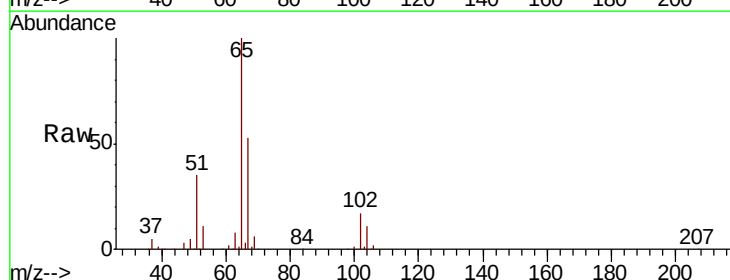
Acq: 8 Oct 2020 6:05

Tgt Ion: 65 Resp: 204340

Ion Ratio Lower Upper

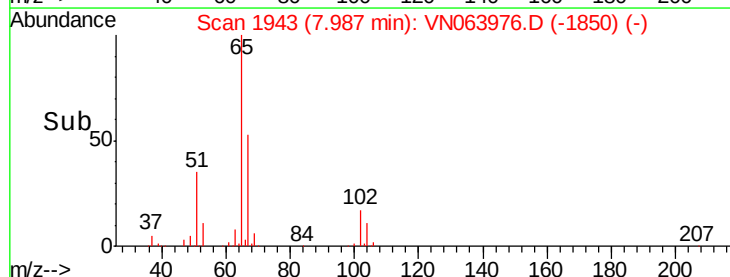
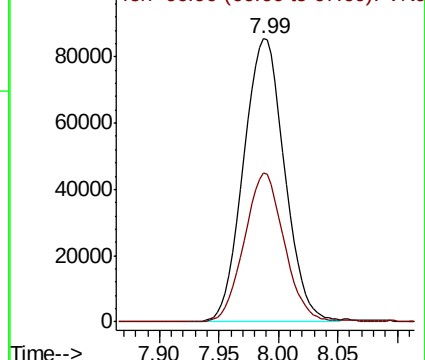
65 100

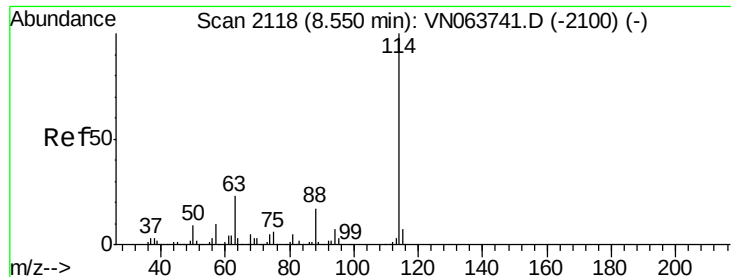
67 51.3 0.0 99.6



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# 2118

Delta R.T. 0.00 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

Instrument :

MSVOA_N

ClientSampleId :

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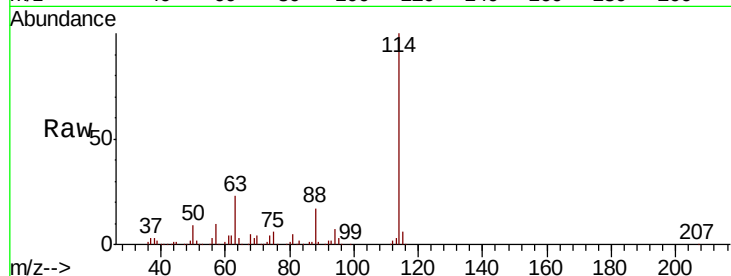
Tot Ion:114 Resp: 432121

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

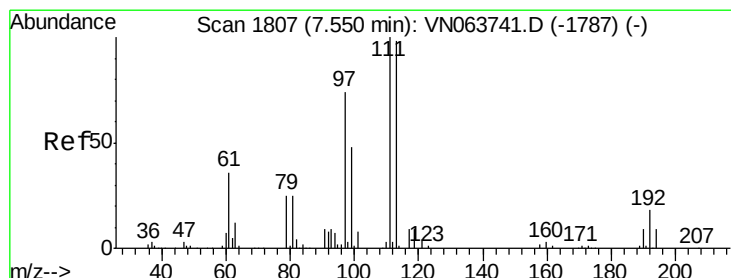
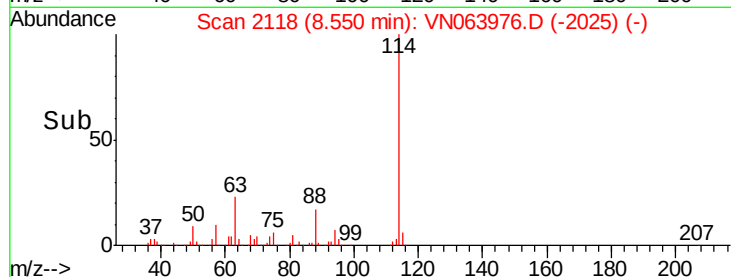
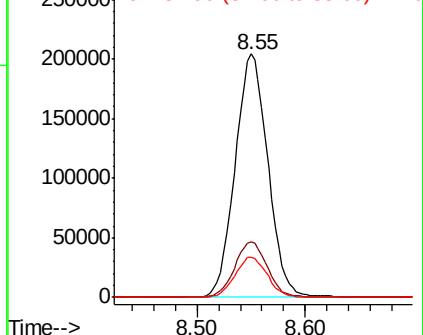
88 16.7 0.0 34.0



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: 50.476 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

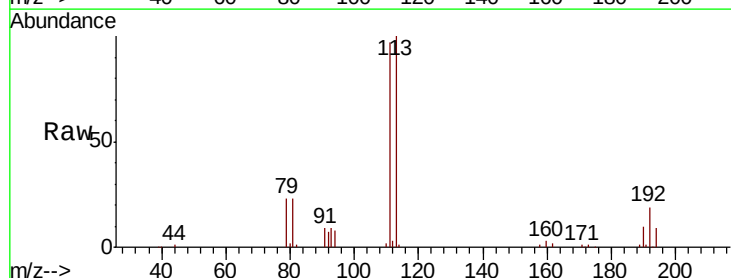
Tgt Ion:113 Resp: 151346

Ion Ratio Lower Upper

113 100

111 98.9 81.8 122.8

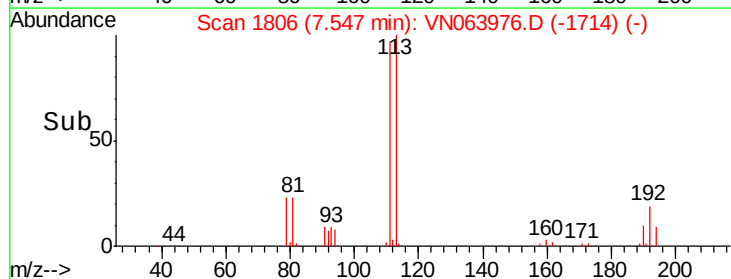
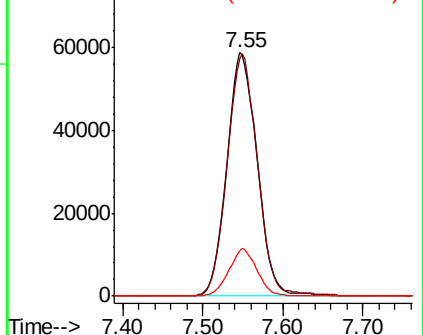
192 18.1 14.2 21.2

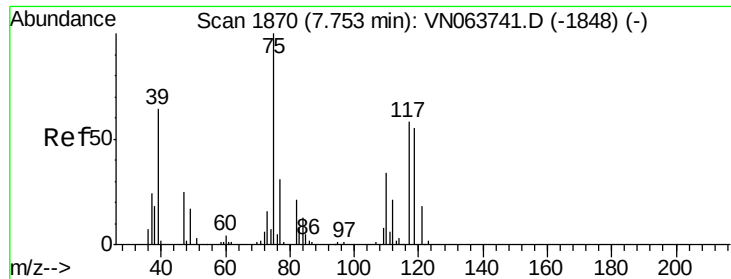


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

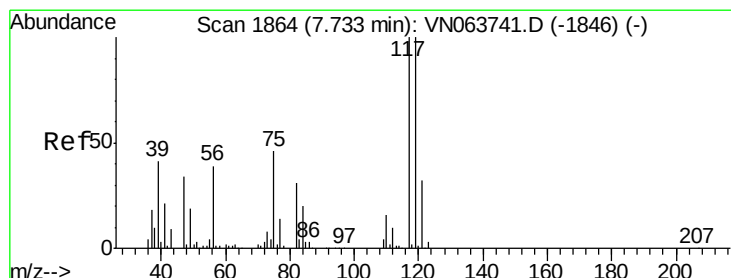
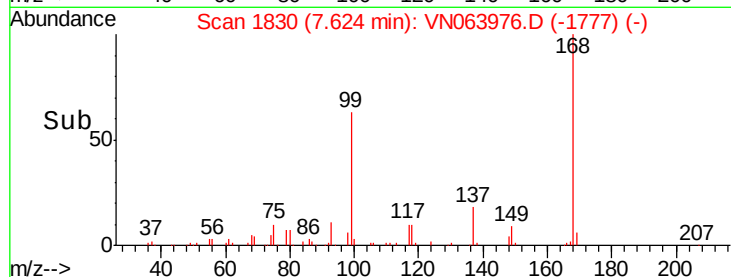
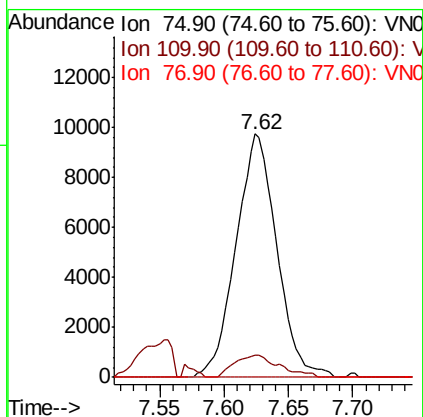
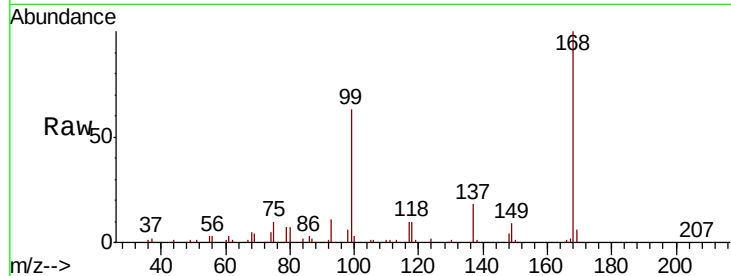




#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063976.D
 Acq: 8 Oct 2020 6:05

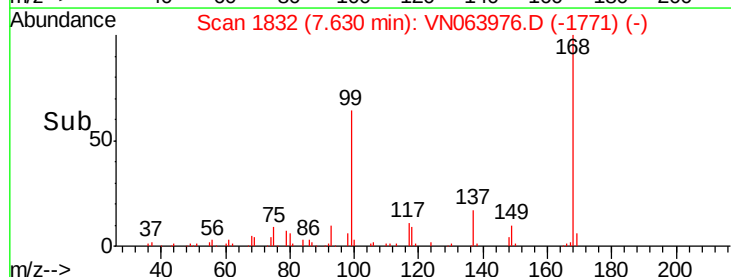
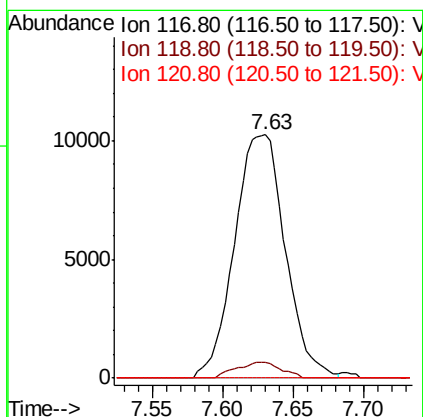
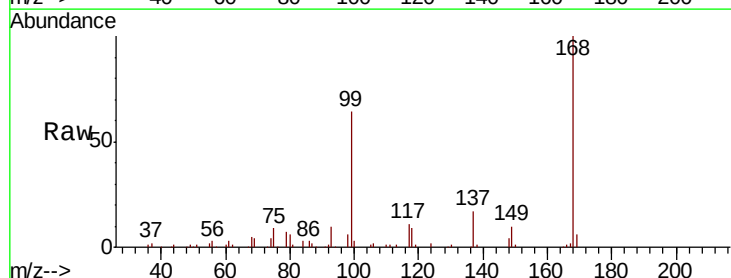
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 MSVOA_N
 ClientSampleId :
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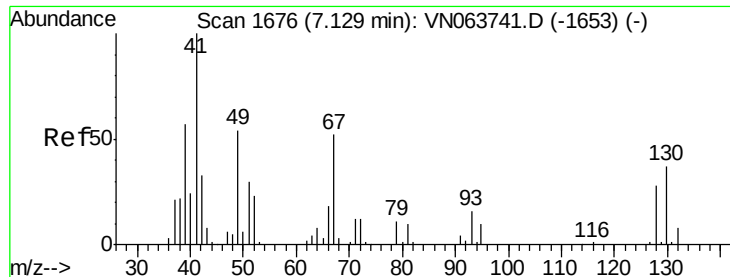
Tot Ion: 75 Resp: 21490
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.258 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN063976.D
 Acq: 8 Oct 2020 6:05

Tgt Ion: 117 Resp: 25810
 Ion Ratio Lower Upper
 117 100
 119 6.6 80.1 120.1#
 121 0.0 25.7 38.5#

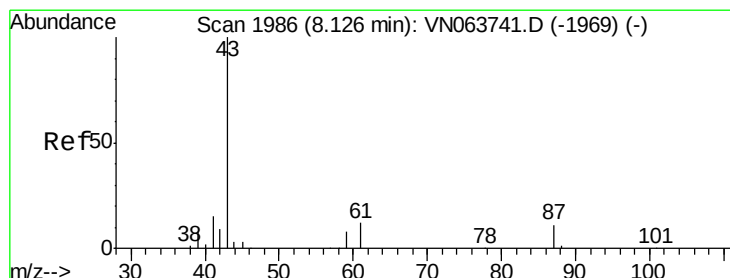
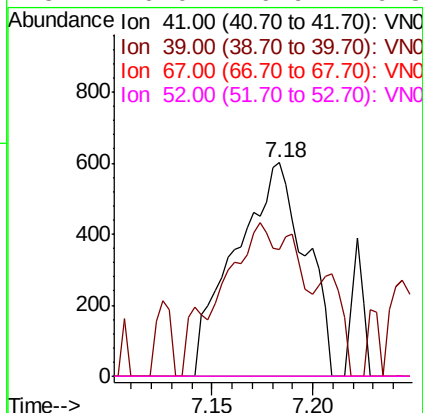
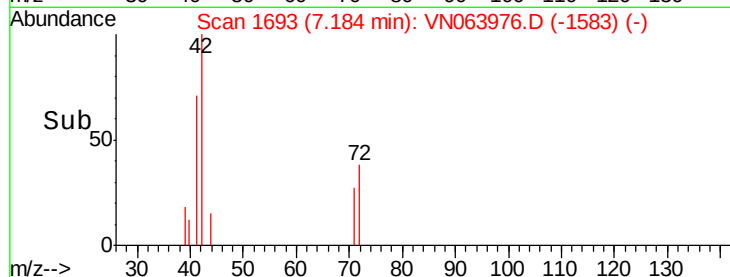
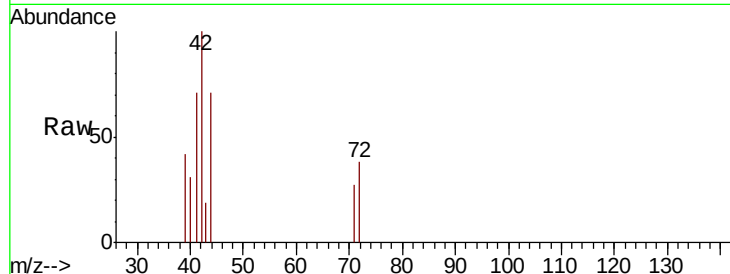




#41
Methacrylonitrile
Concen: 0.746 ug/l
RT: 7.18 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

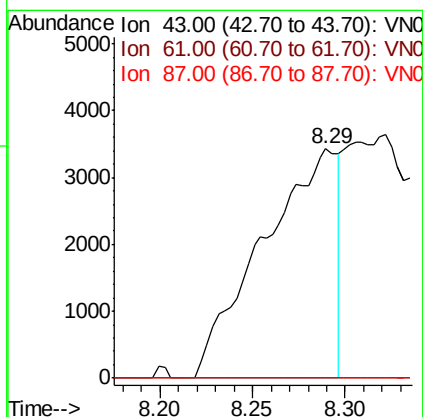
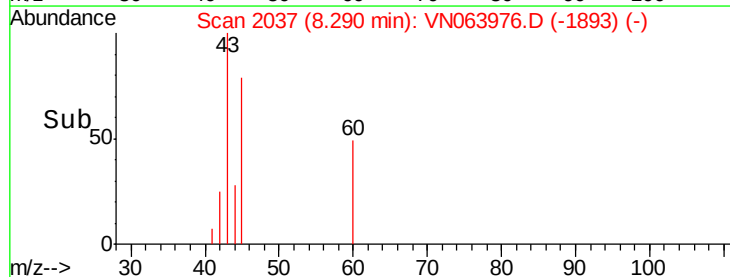
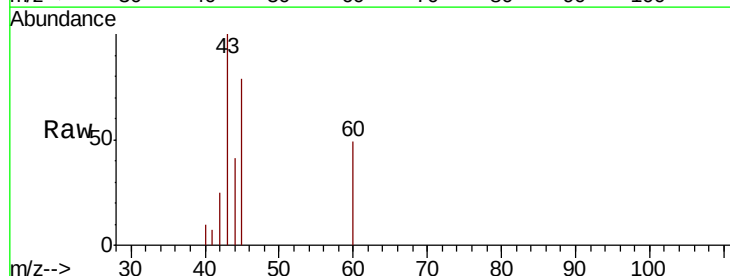
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MSVOA_N
ClientSampled :
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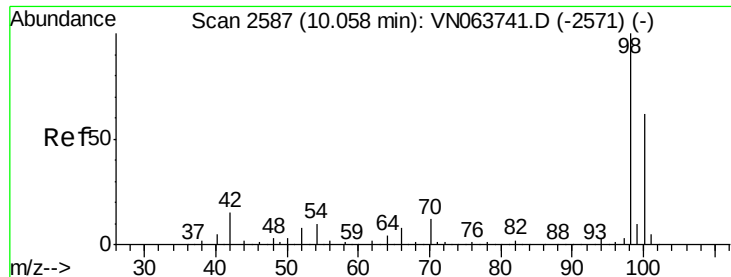
Tot Ion: 41 Resp: 1443
Ion Ratio Lower Upper
41 100
39 26.3 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#



#43
Isopropyl Acetate
Concen: 1.342 ug/l
RT: 8.29 min Scan# 2037
Delta R.T. 0.16 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion: 43 Resp: 9628
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.0 13.6#

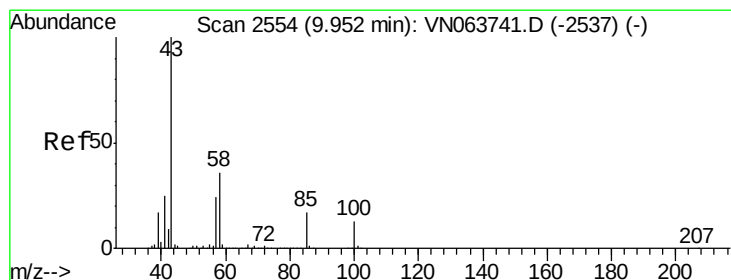
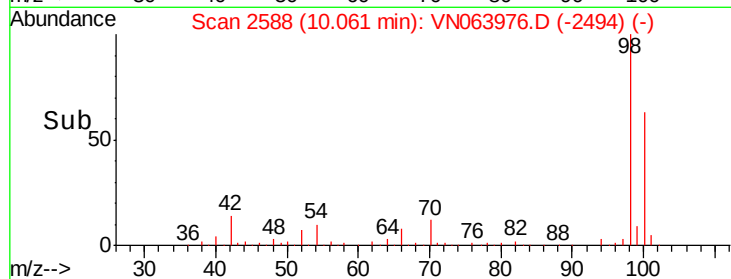
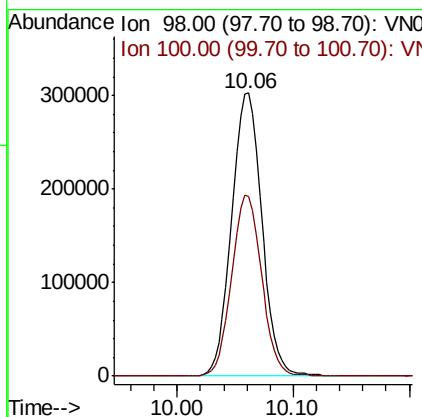
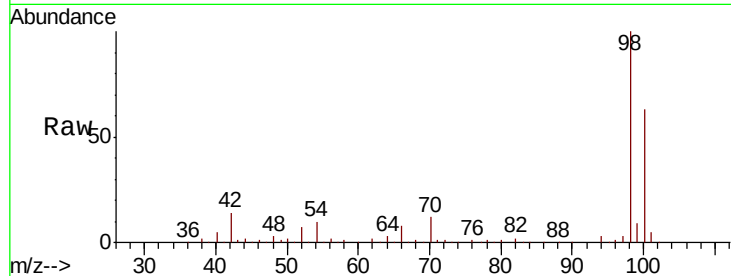




#50
Toluene-d8
Concen: 48.196 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

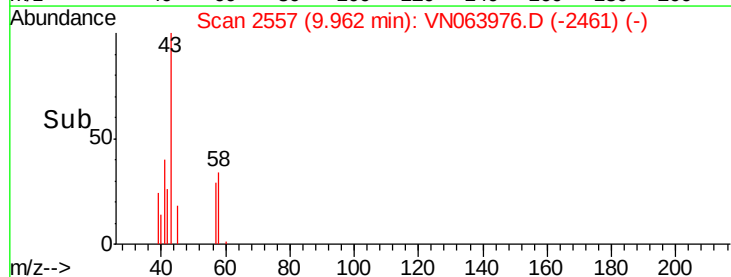
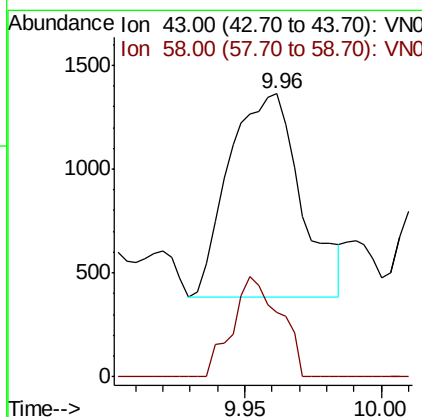
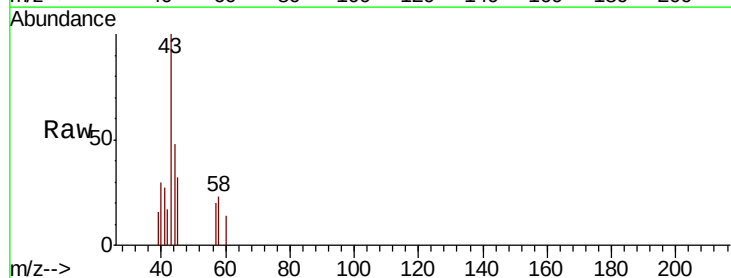
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MSVOA_N
ClientSampled :
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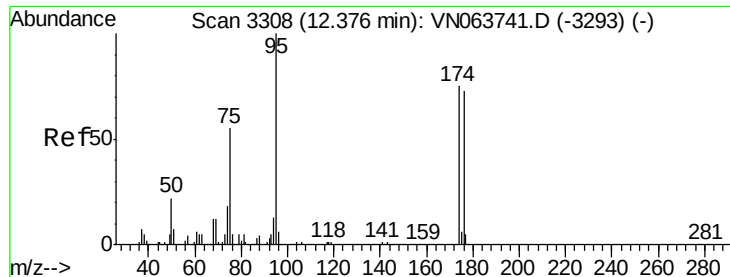
Tot Ion: 98 Resp: 547821
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 0.423 ug/l
RT: 9.96 min Scan# 2557
Delta R.T. 0.01 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
58 32.5 28.4 42.6

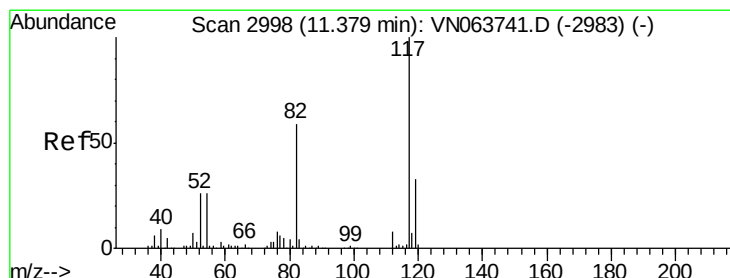
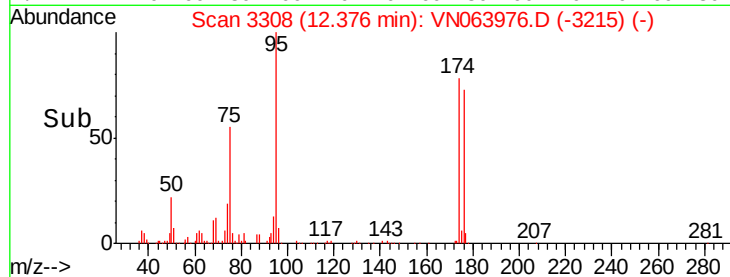
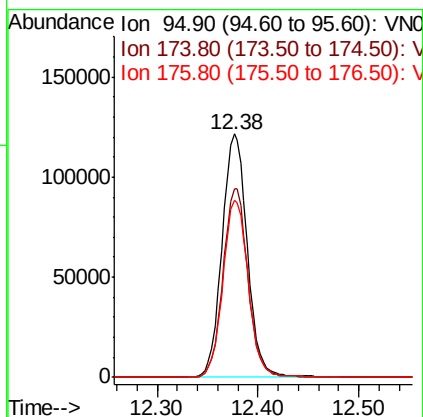
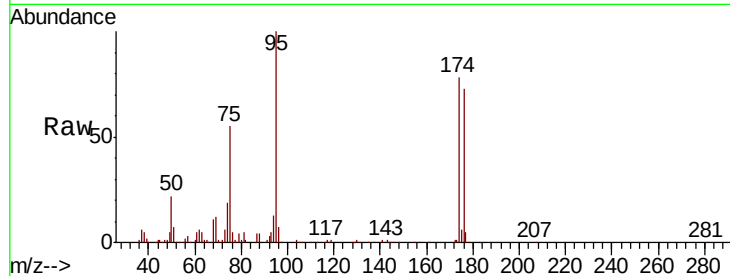




#62
4-Bromofluorobenzene
Concen: 49.831 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

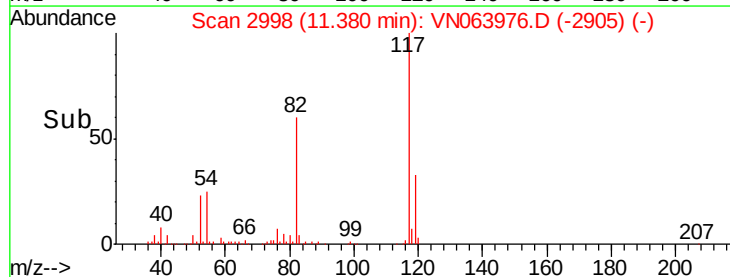
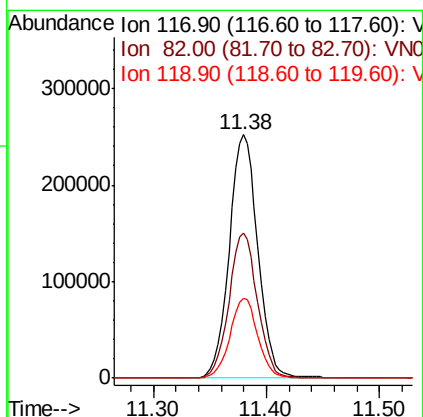
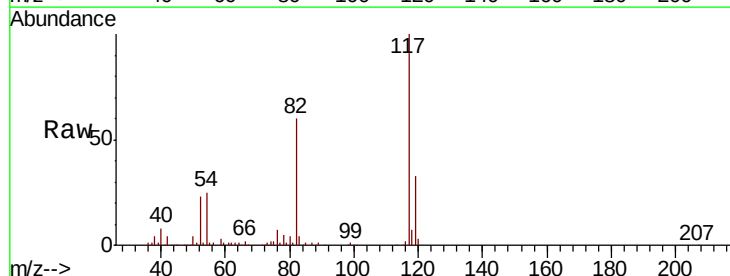
Instrument :
MSVOA_N
ClientSampled :
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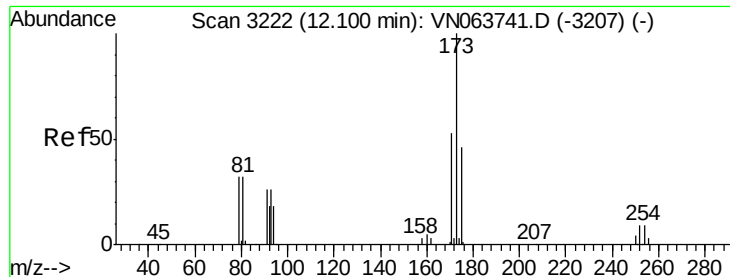
Tot Ion: 95 Resp: 212916
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.6
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion: 117 Resp: 441956
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.9 26.4 39.6

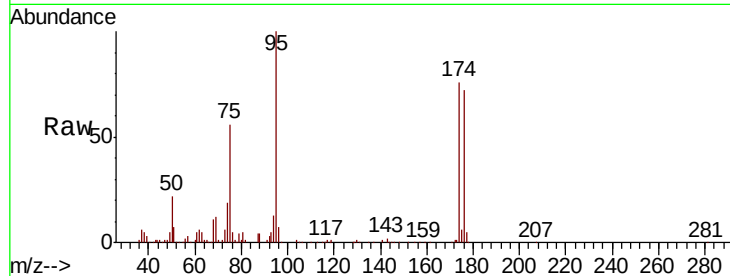




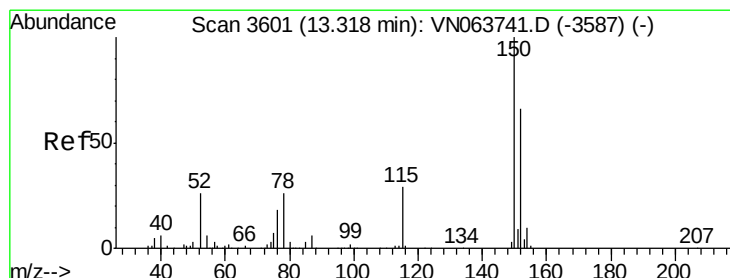
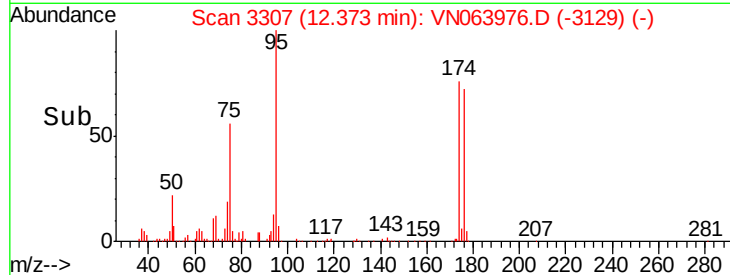
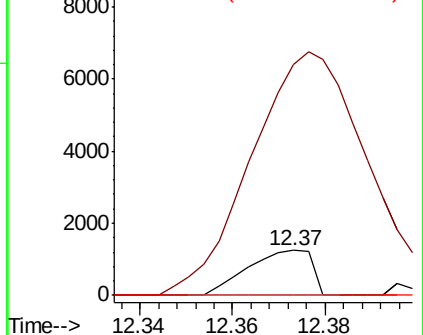
#71
Bromoform
Concen: 0.449 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion:173 Resp: 1193
Ion Ratio Lower Upper
173 100
175 809.3 23.5 70.5#
254 0.0 0.0 0.0

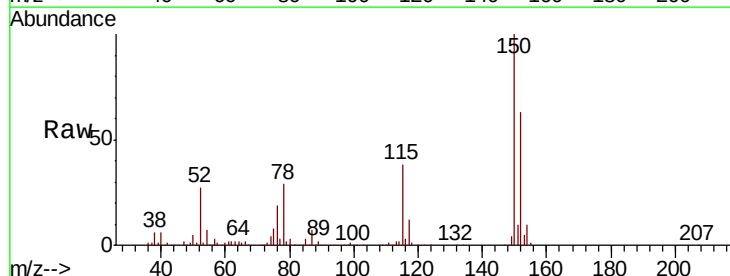


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

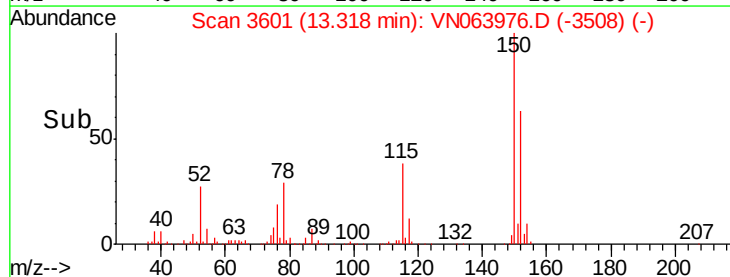
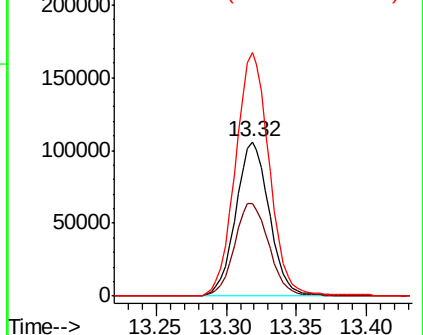


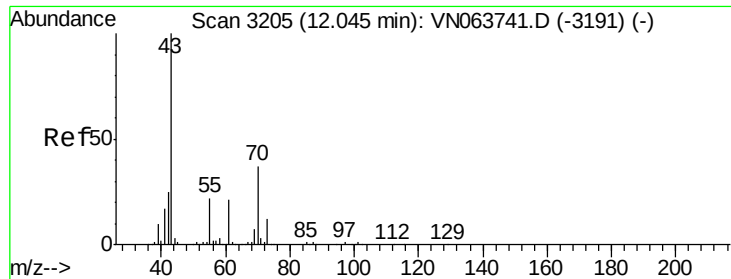
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion:152 Resp: 177351
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 158.0 0.0 341.8



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: 2.248 ug/l

RT: 12.05 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VN063976.D

Acq: 8 Oct 2020 6:05

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

Tot Ion: 43 Resp: 201

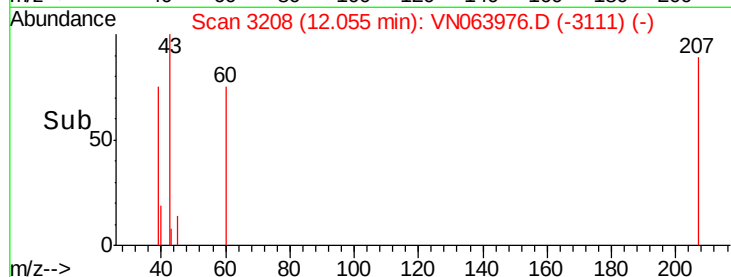
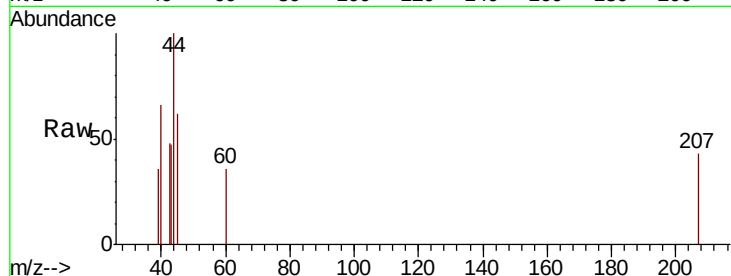
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

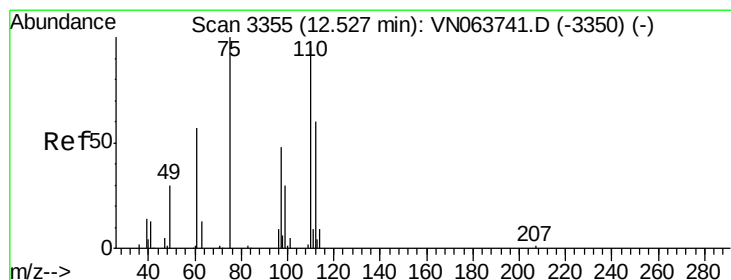
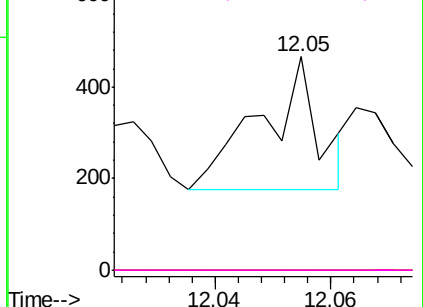


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.733 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063976.D

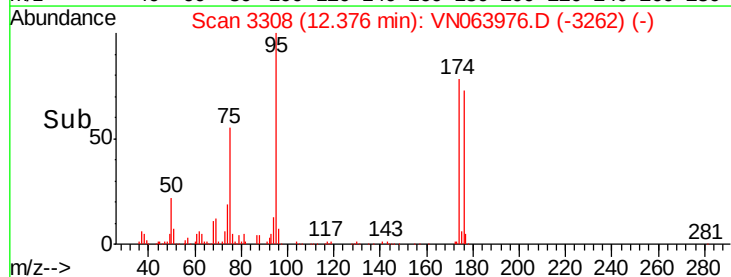
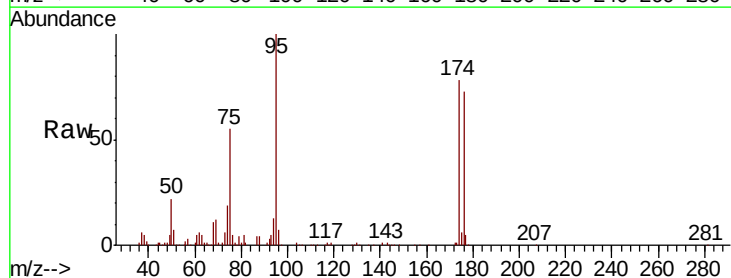
Acq: 8 Oct 2020 6:05

Tgt Ion: 75 Resp: 116241

Ion Ratio Lower Upper

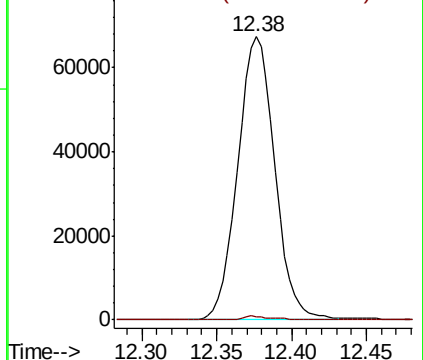
75 100

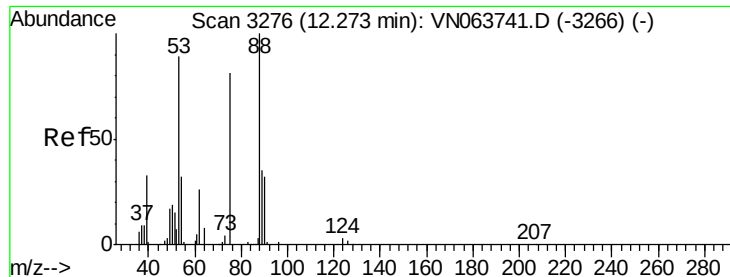
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

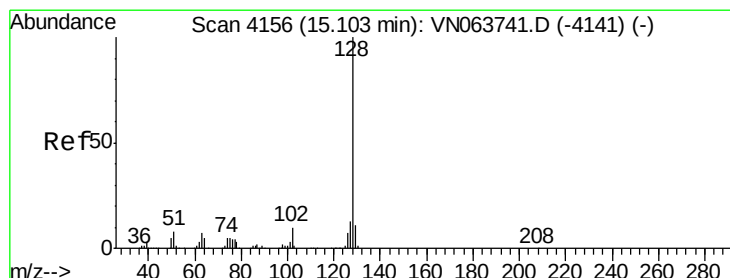
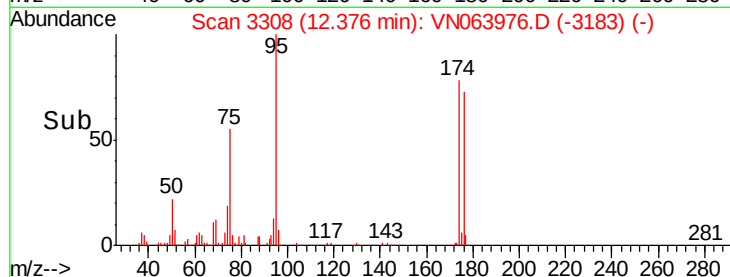
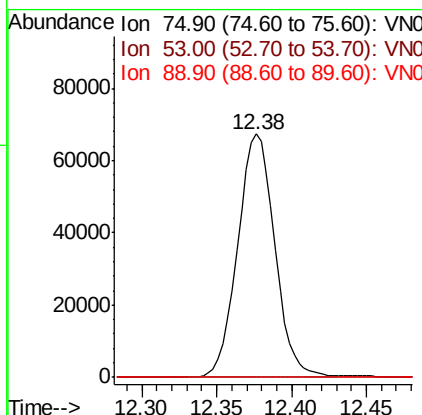
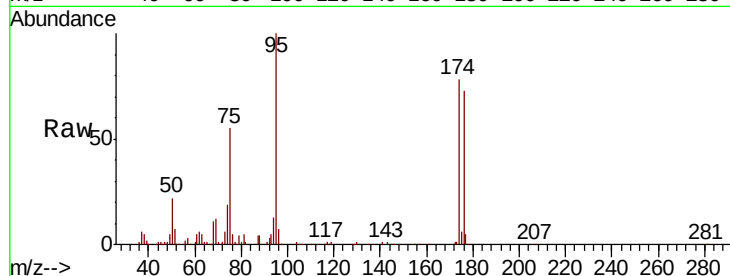




#81
trans-1,4-Dichloro-2-butene
Concen: 85.635 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion: 75 Resp: 116241
Ion Ratio Lower Upper
75 100
53 0.2 88.2 132.2#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 1.940 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063976.D
Acq: 8 Oct 2020 6:05

Tgt Ion: 128 Resp: 154
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

