

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063850.D
 Acq On : 3 Oct 2020 3:56
 Operator : JC/MD
 Sample : L4198-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-10

Quant Time: Oct 05 04:24:56 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	7.62	168	208630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	189208	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
35) Dibromofluoromethane	7.55	113	134388	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.06	98	514860	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.38	95	202686	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

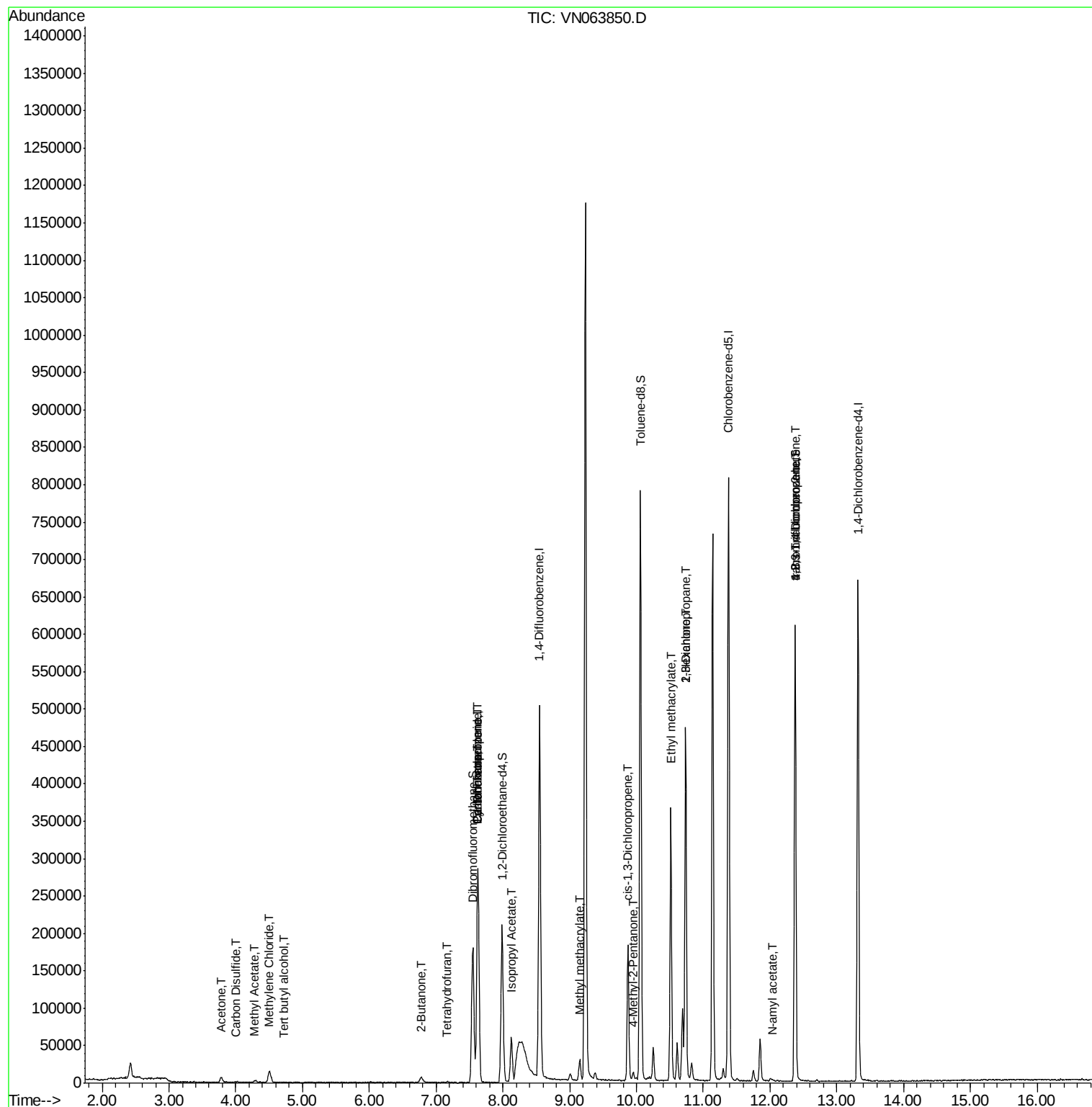
					Qvalue
11) Tert butyl alcohol	4.72	59	110	0.289	ug/l # 71
16) Acetone	3.78	43	12546	11.825	ug/l 93
17) Carbon Disulfide	4.00	76	29	0.706	ug/l # 76
18) Methyl Acetate	4.28	43	1933	0.702	ug/l 92
20) Methylene Chloride	4.50	84	10286	4.322	ug/l 99
25) 2-Butanone	6.78	43	868	0.577	ug/l # 51
29) Tetrahydrofuran	7.16	42	514	0.509	ug/l # 76
31) Cyclohexane	7.62	56	5724	1.430	ug/l # 17
36) 1,1-Dichloropropene	7.62	75	20540	4.991	ug/l # 47
38) Carbon Tetrachloride	7.63	117	23799	5.157	ug/l # 14
43) Isopropyl Acetate	8.13	43	72000	10.675	ug/l 98
48) Methyl methacrylate	9.14	41	4626	1.388	ug/l # 12
51) 4-Methyl-2-Pentanone	9.95	43	8155	2.060	ug/l 91
54) cis-1,3-Dichloropropene	9.87	75	28533	5.639	ug/l # 69
56) Ethyl methacrylate	10.51	69	1919	0.464	ug/l # 1
57) 1,3-Dichloropropane	10.74	76	4043	0.820	ug/l # 43
59) 2-Hexanone	10.74	43	70405	23.945	ug/l # 56
74) N-amyl acetate	12.04	43	629	2.322	ug/l # 52
76) 1,2,3-Trichloropropane	12.38	75	113543	30.759	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.38	75	113543	88.589	ug/l # 6

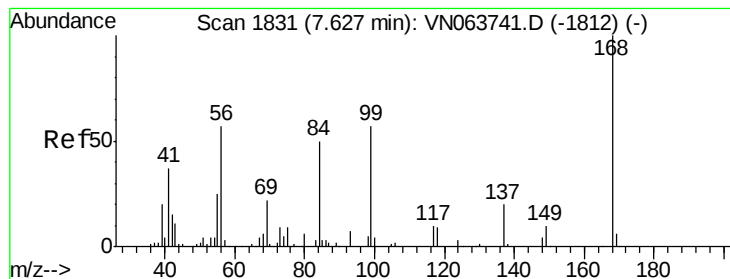
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

Instrument :

MSVOA_N

ClientSampled :

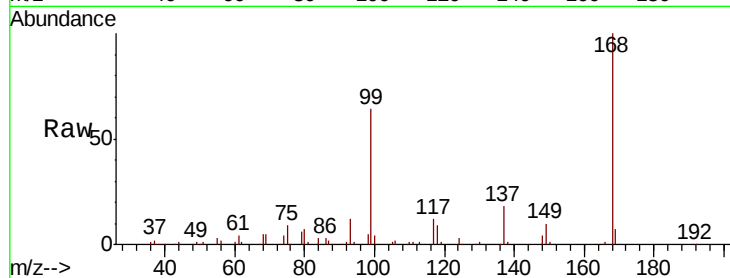
RO-10

Tot Ion:168 Resp: 208630

Ion Ratio Lower Upper

168 100

99 64.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

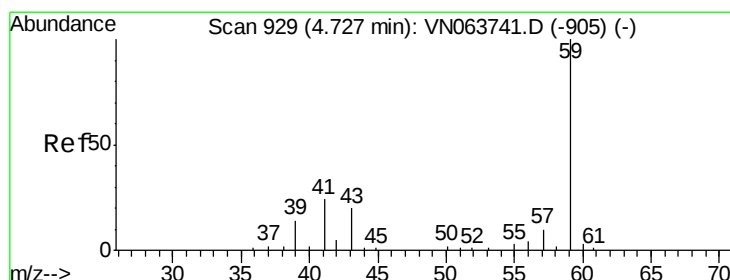
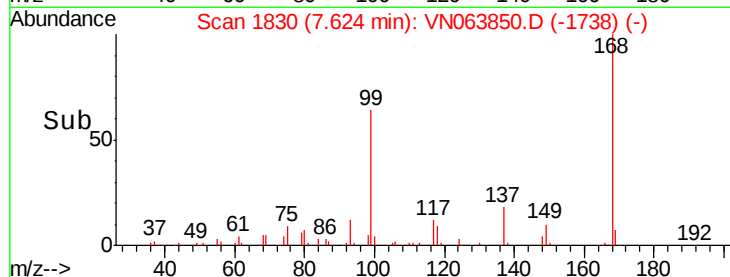
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.289 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN063850.D

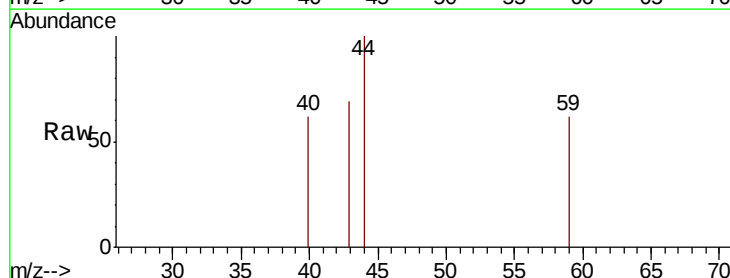
Acq: 3 Oct 2020 3:56

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

250

200

150

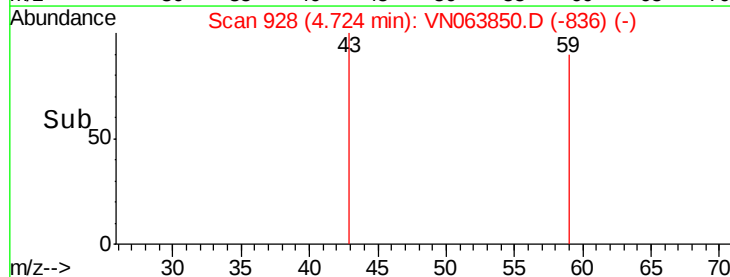
100

50

0

Time-->

4.71 4.72 4.73





#16

Acetone

Concen: 11.825 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

Instrument :

MSVOA_N

ClientSampled :

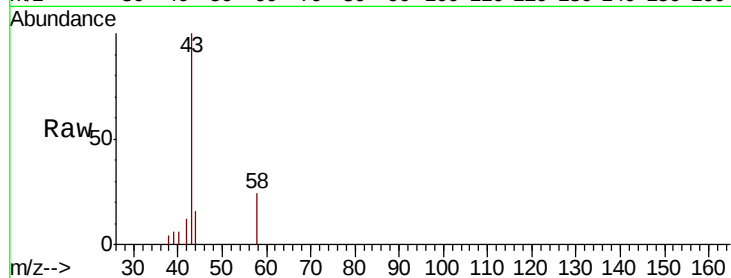
RO-10

Tot Ion: 43 Resp: 12546

Ion Ratio Lower Upper

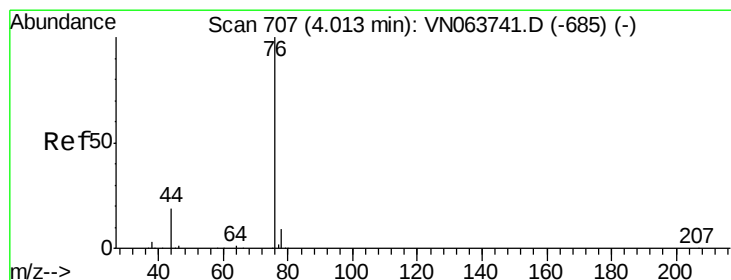
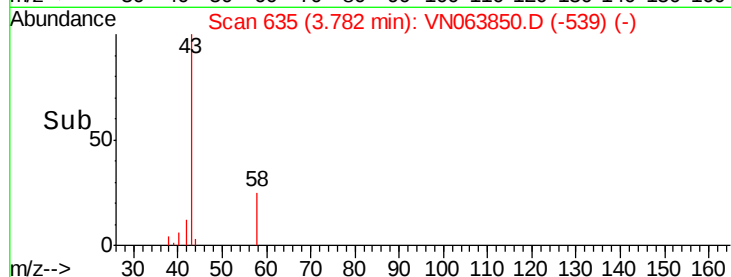
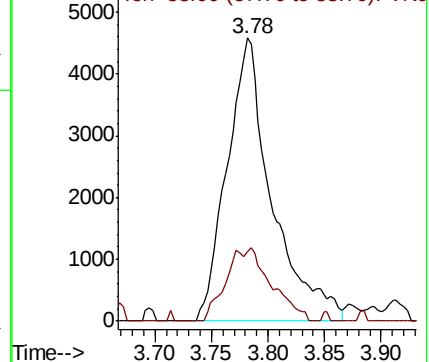
43 100

58 24.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.706 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063850.D

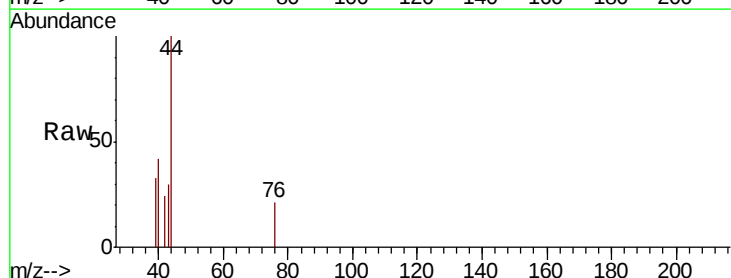
Acq: 3 Oct 2020 3:56

Tgt Ion: 76 Resp: 29

Ion Ratio Lower Upper

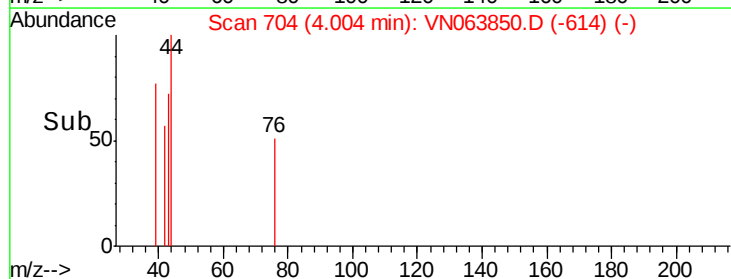
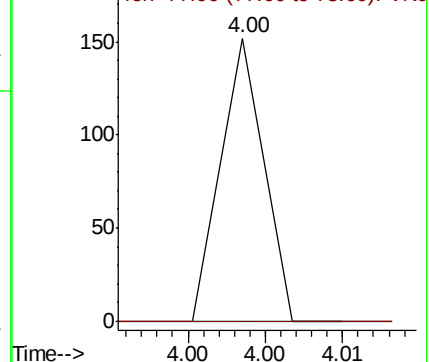
76 100

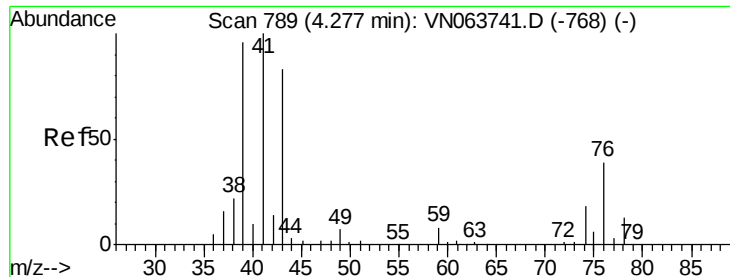
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

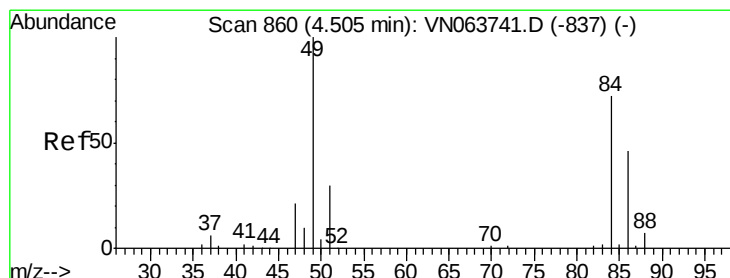
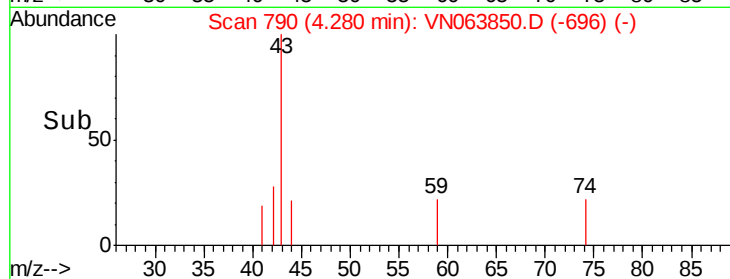
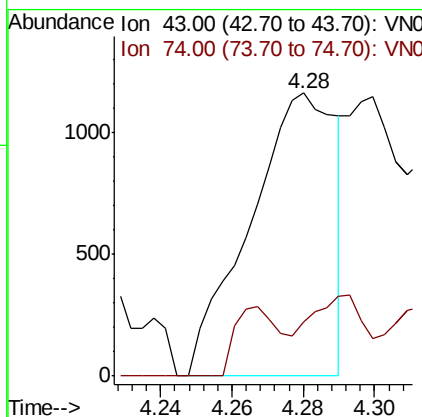
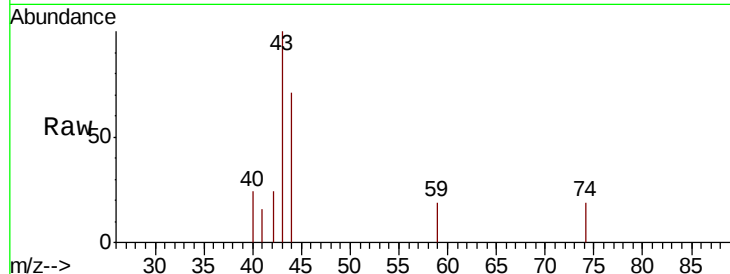




#18
Methvl Acetate
Concen: 0.702 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

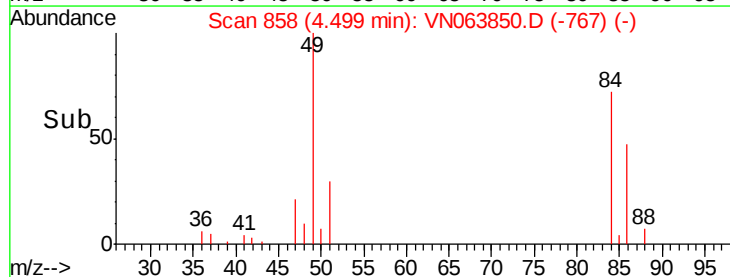
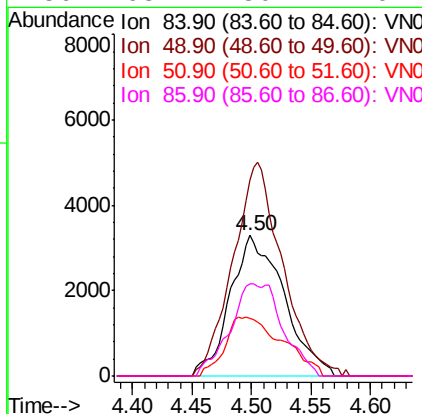
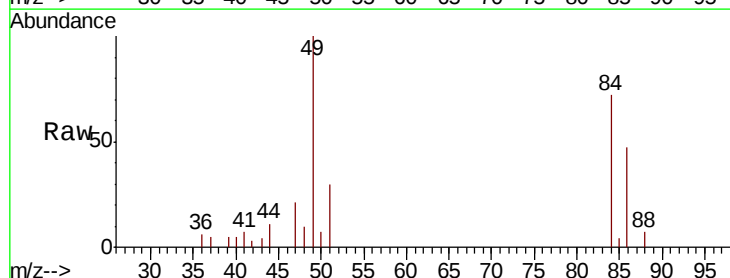
Instrument :
MSVOA_N
ClientSampled :
RO-10

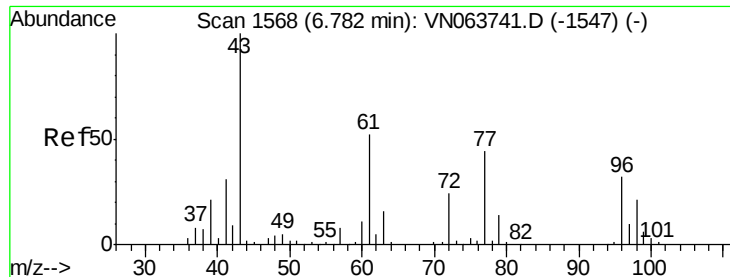
Tot Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
74 18.0 17.4 26.2



#20
Methylene Chloride
Concen: 4.322 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Tgt Ion: 84 Resp: 10286
Ion Ratio Lower Upper
84 100
49 139.6 110.4 165.6
51 41.5 33.3 49.9
86 65.4 50.7 76.1





#25

2-Butanone

Concen: 0.577 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

Instrument :

MSVOA_N

ClientSampled :

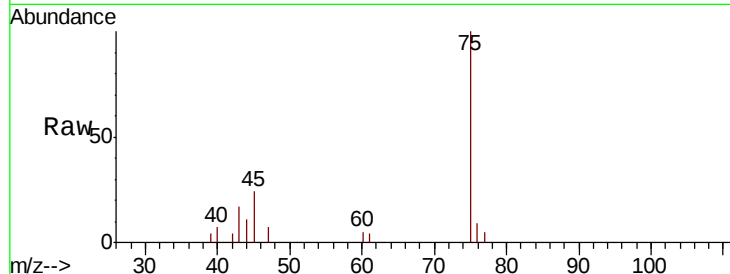
RO-10

Tot Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

800

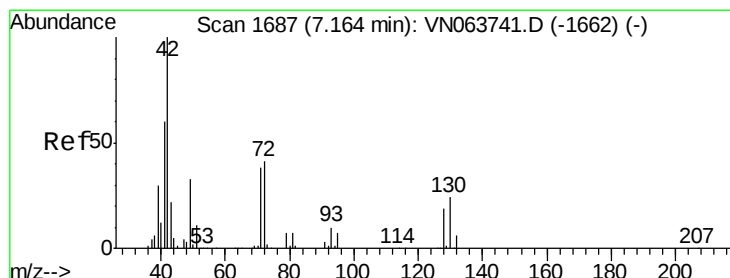
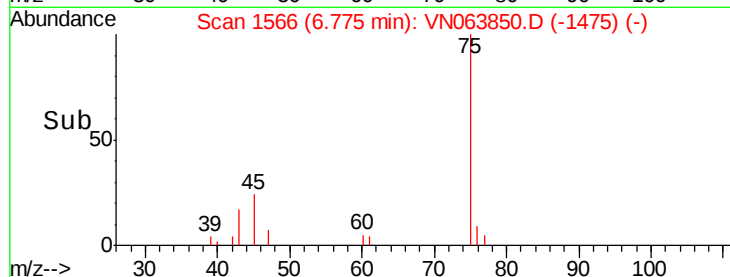
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.509 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

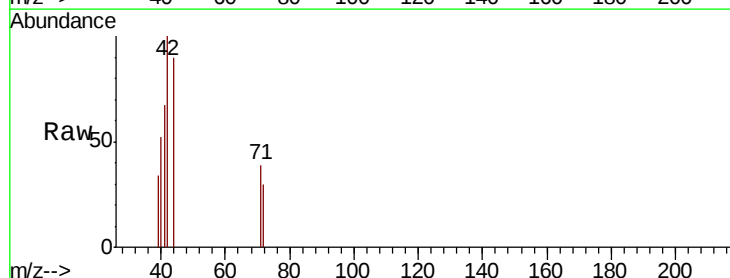
Tgt Ion: 42 Resp: 514

Ion Ratio Lower Upper

42 100

72 12.8 32.8 49.2#

71 37.7 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.16

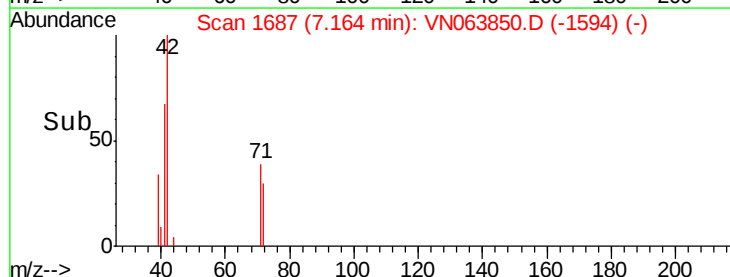
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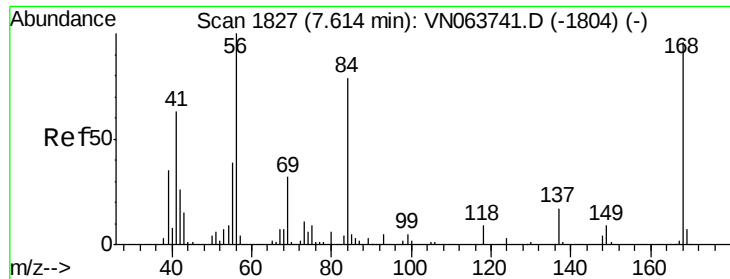
400

200

0

Time-->

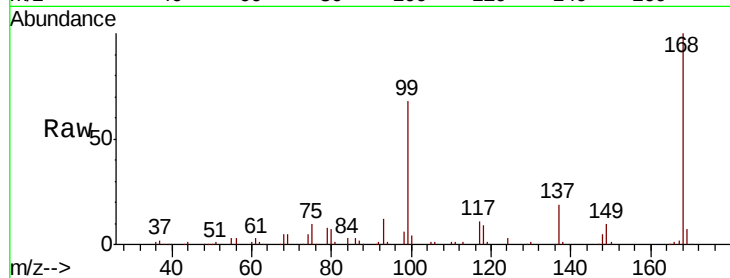




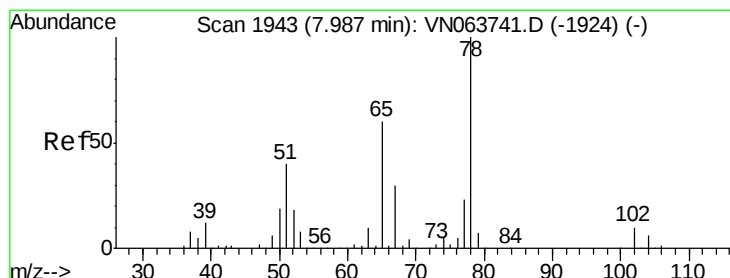
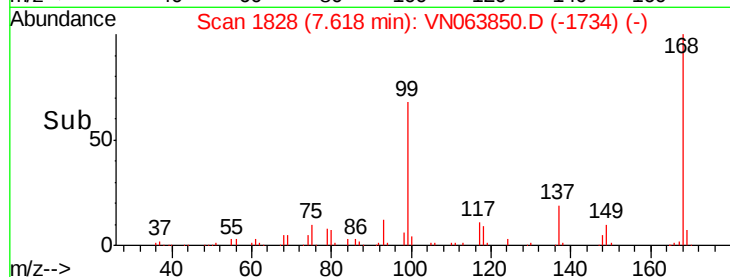
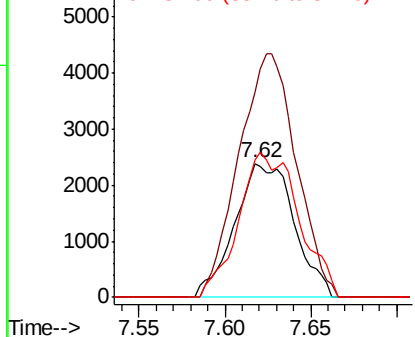
#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Instrument :
MSVOA_N
ClientSampleId :
RO-10

Tot Ion: 56 Resp: 5724
Ion Ratio Lower Upper
56 100
69 153.9 25.4 38.2#
84 103.2 63.3 94.9#

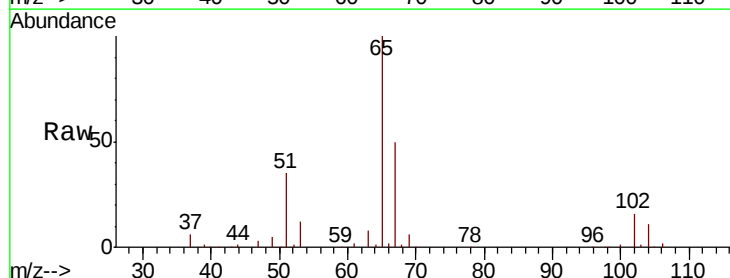


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

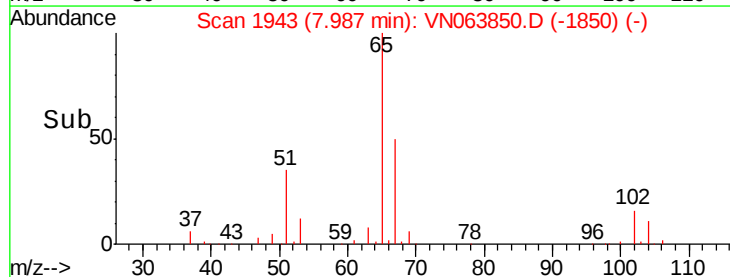
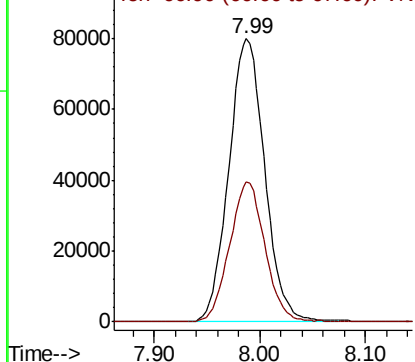


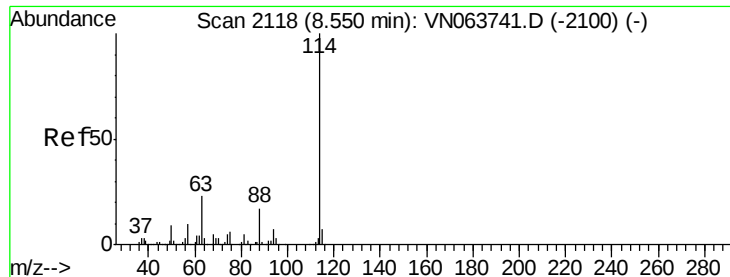
#33
1,2-Dichloroethane-d4
Concen: 54.895 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Tgt Ion: 65 Resp: 189208
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

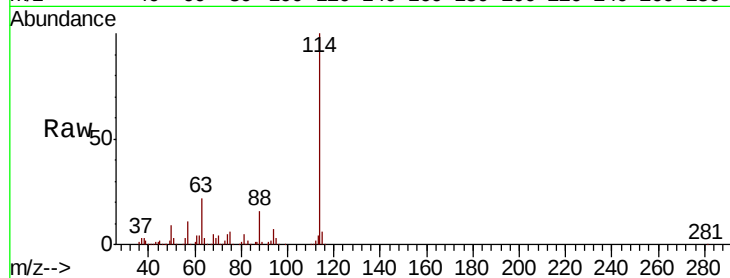




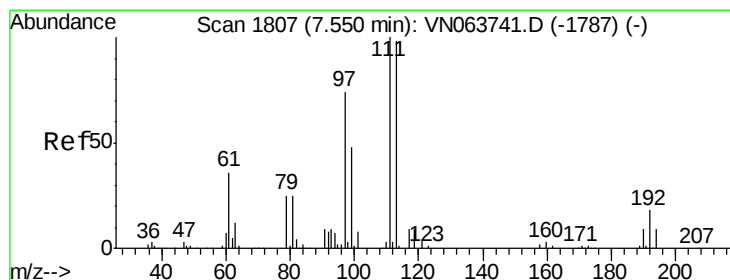
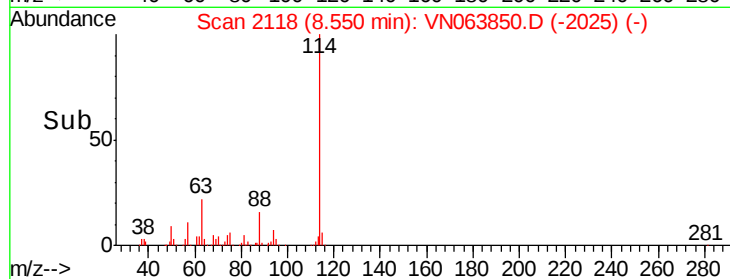
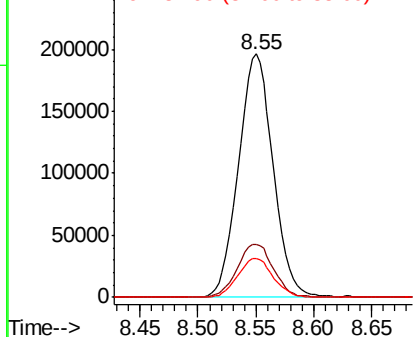
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Instrument :
MSVOA_N
ClientSampleId :
RO-10

Tot Ion:114 Resp: 406249
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.0
88 16.1 0.0 34.0

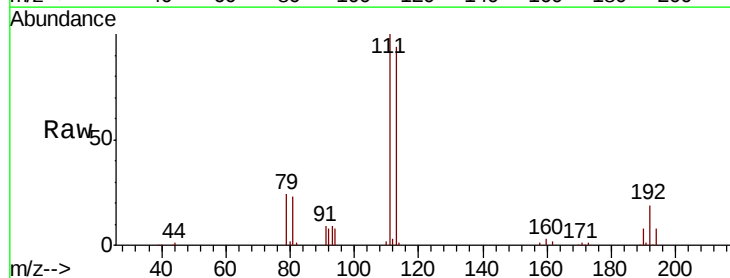


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

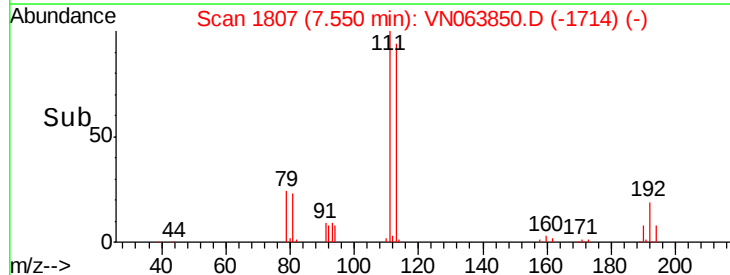
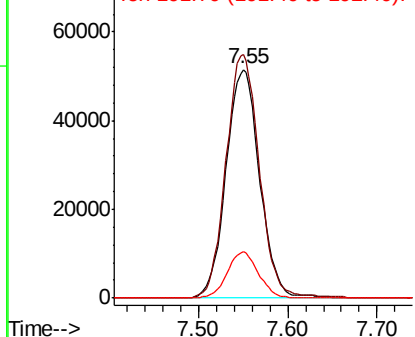


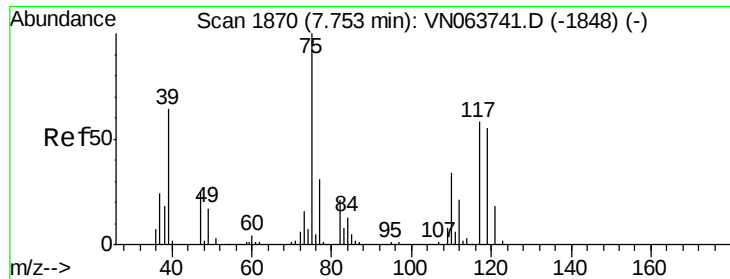
#35
Dibromofluoromethane
Concen: 47.675 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Tgt Ion:113 Resp: 134388
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.8
192 18.8 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

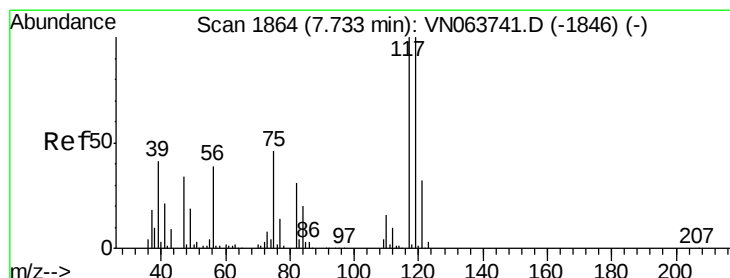
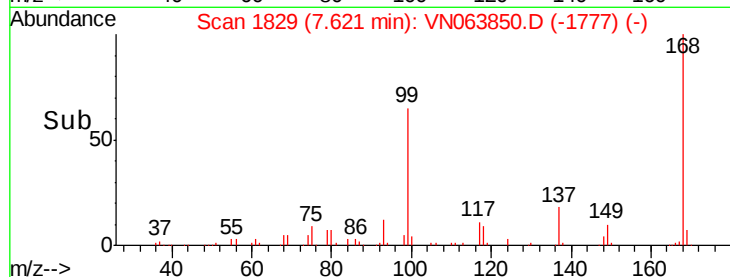
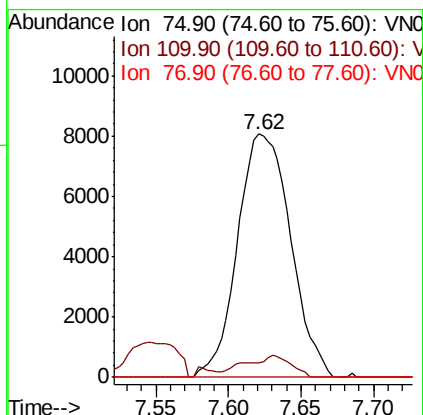
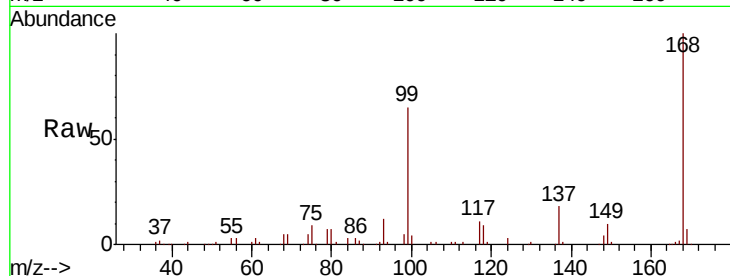




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

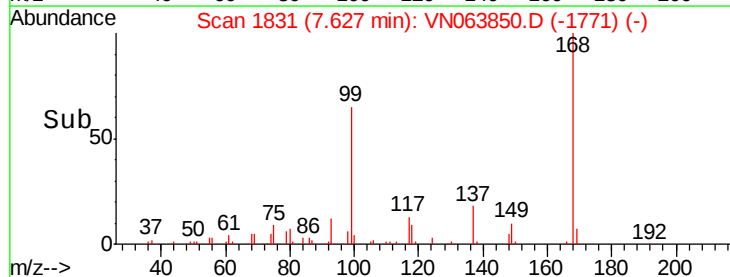
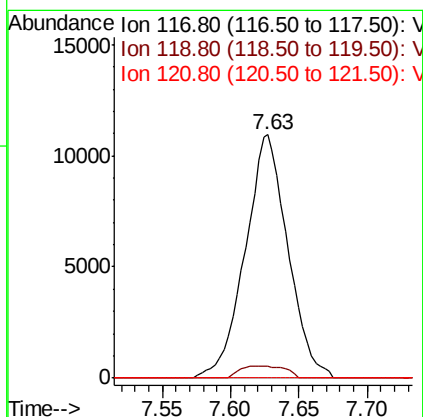
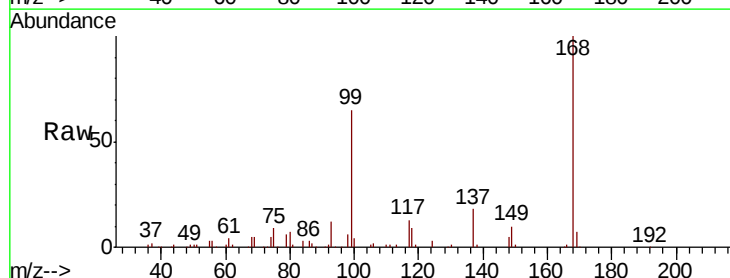
Instrument :
 MSVOA_N
 ClientSampled :
 RO-10

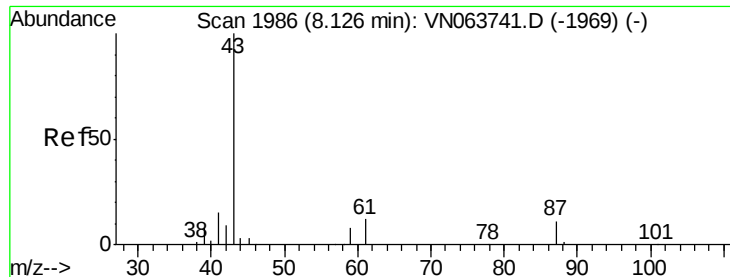
Tot Ion: 75 Resp: 20540
 Ion Ratio Lower Upper
 75 100
 110 4.6 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.157 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Tgt Ion: 117 Resp: 23799
 Ion Ratio Lower Upper
 117 100
 119 4.9 80.1 120.1#
 121 0.0 25.7 38.5#



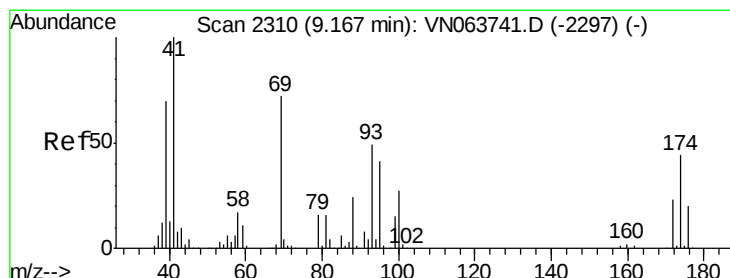
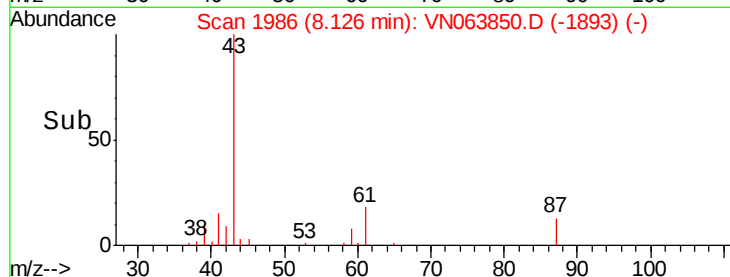
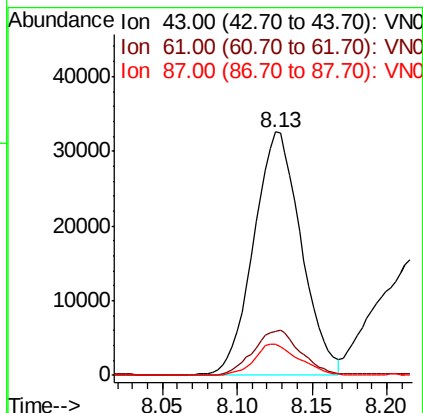
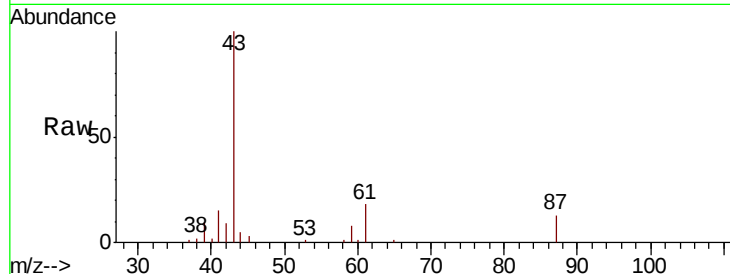


#43

Isopropyl Acetate
 Concen: 10.675 ug/l
 RT: 8.13 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-10

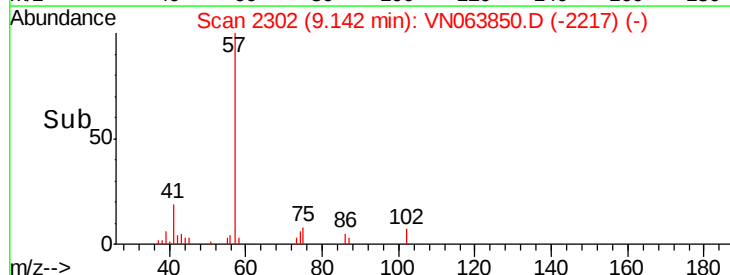
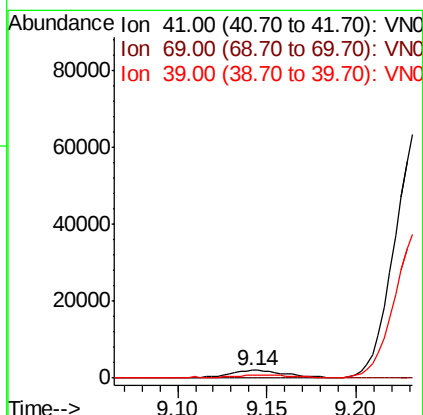
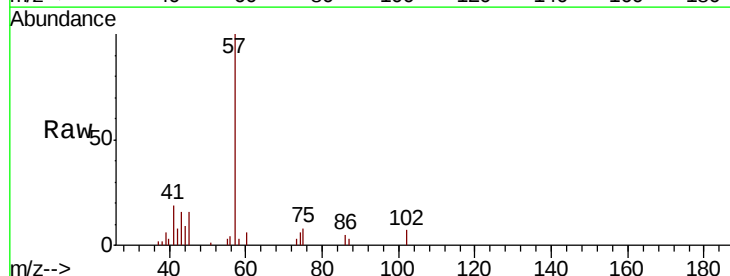
Tot Ion: 43 Resp: 72000
 Ion Ratio Lower Upper
 43 100
 61 18.5 14.2 21.4
 87 11.9 9.0 13.6

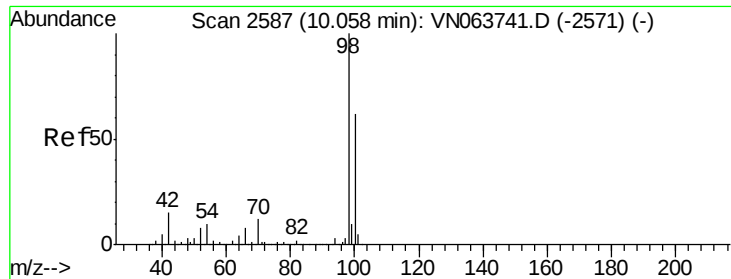


#48

Methyl methacrylate
 Concen: 1.388 ug/l
 RT: 9.14 min Scan# 2302
 Delta R.T. -0.03 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Tgt Ion: 41 Resp: 4626
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.9 91.3#
 39 0.0 57.5 86.3#

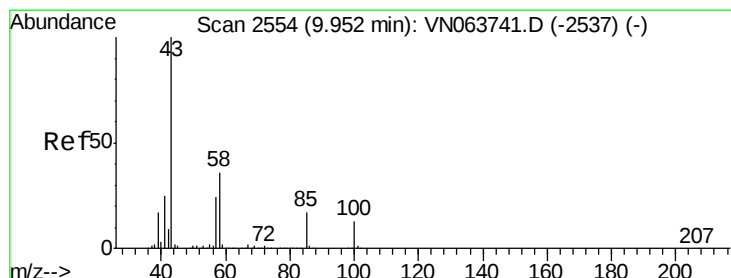
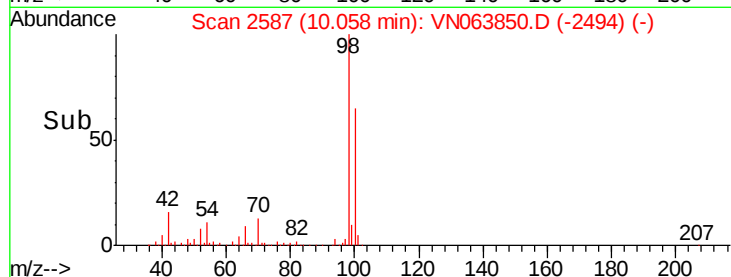
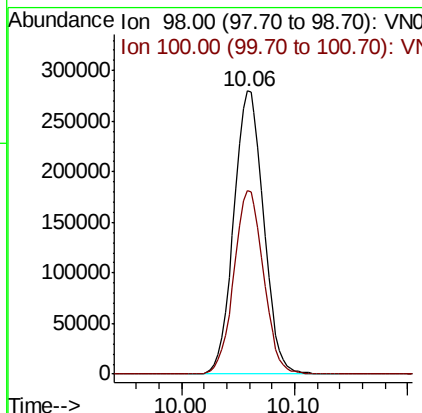
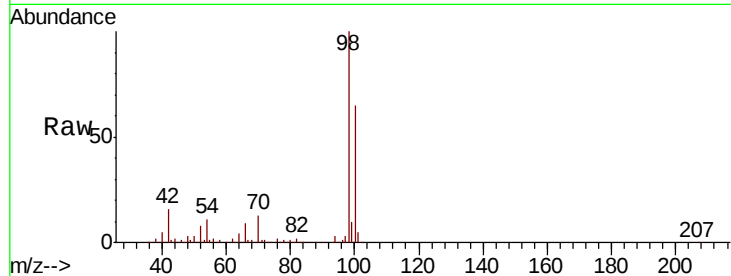




#50
Toluene-d8
Concen: 48.181 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

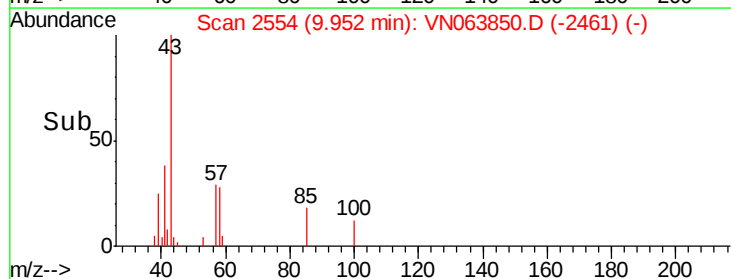
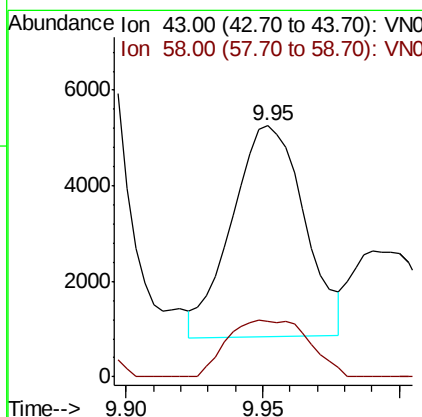
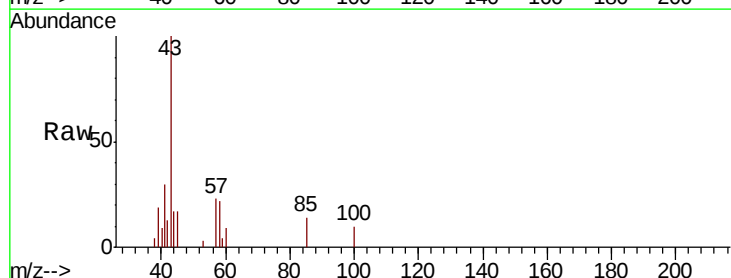
Instrument :
MSVOA_N
ClientSampled :
RO-10

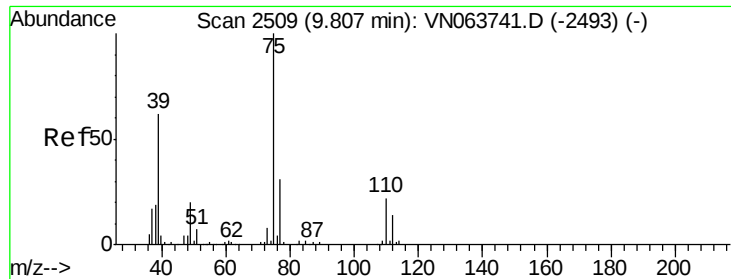
Tot Ion: 98 Resp: 514860
Ion Ratio Lower Upper
98 100
100 64.4 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 2.060 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Tgt Ion: 43 Resp: 8155
Ion Ratio Lower Upper
43 100
58 30.4 28.4 42.6



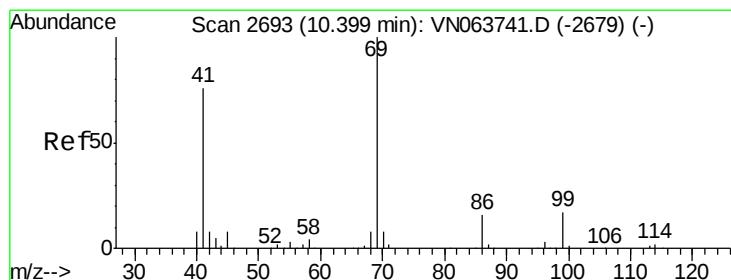
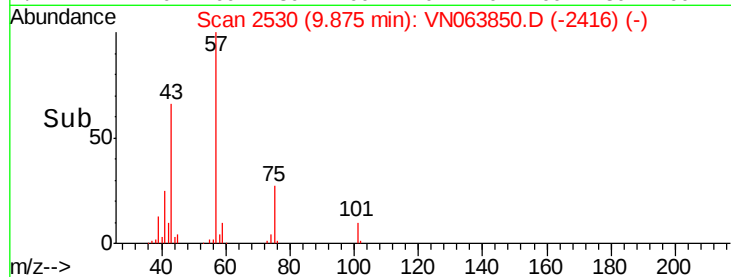
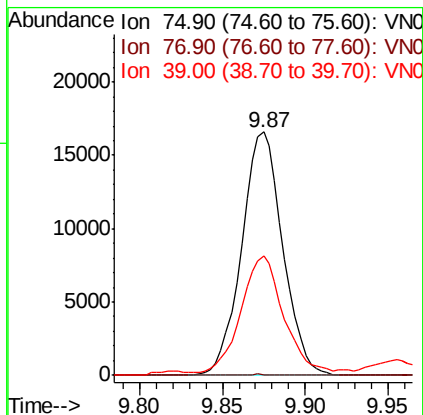
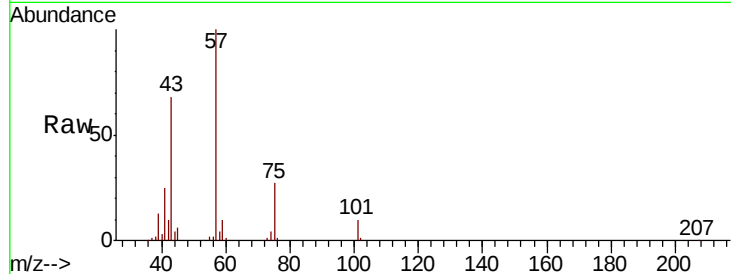


#54

cis-1,3-Dichloropropene
 Concen: 5.639 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-10

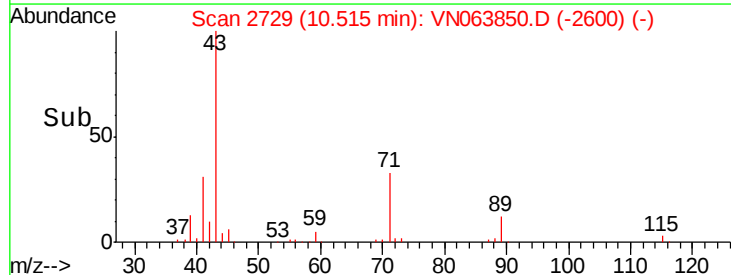
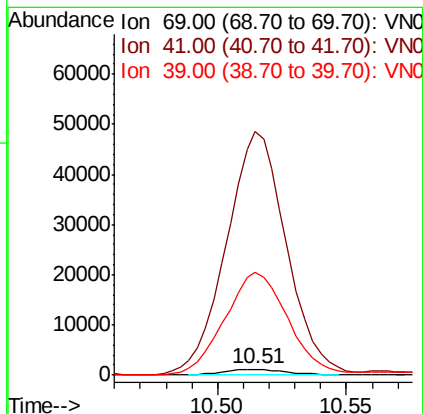
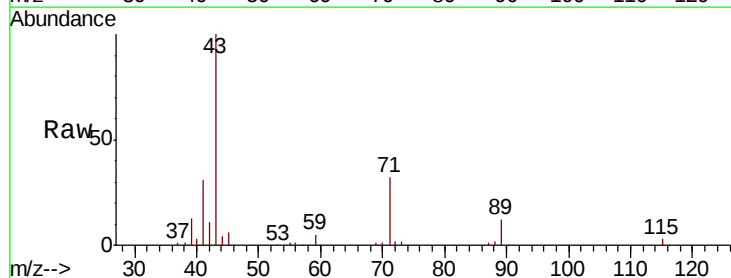
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.6	36.8#
39	47.9	49.7	74.5#

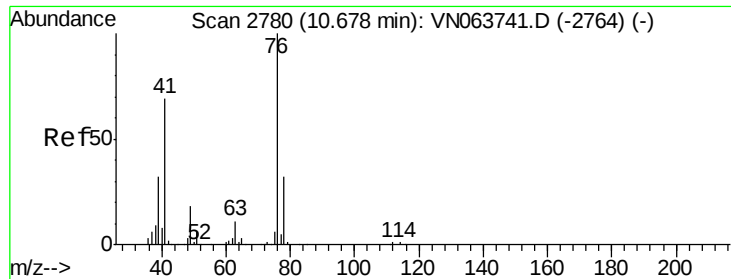


#56

Ethyl methacrylate
 Concen: 0.464 ug/l
 RT: 10.51 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4126.3	61.1	91.7#
39	1871.6	42.2	63.4#

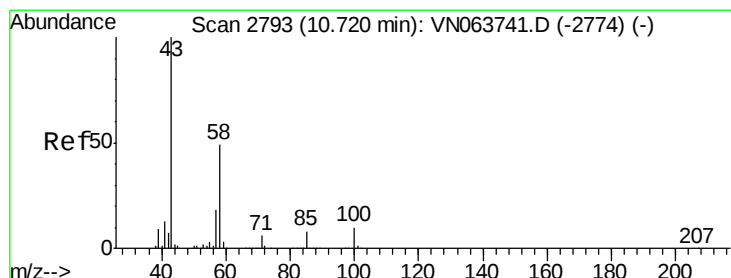
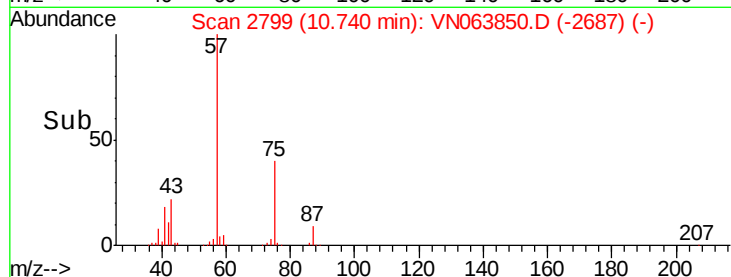
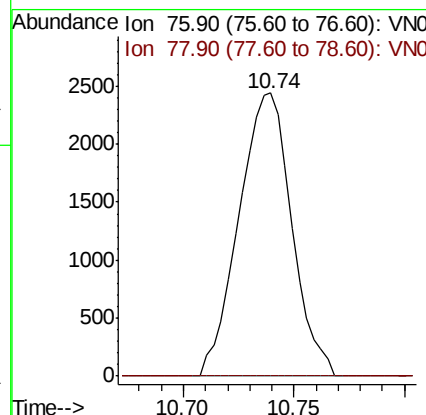
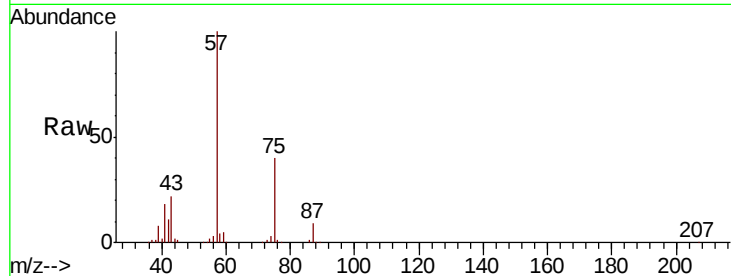




#57
 1,3-Dichloropropane
 Concen: 0.820 ug/l
 RT: 10.74 min Scan# 2799
 Delta R.T. 0.06 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

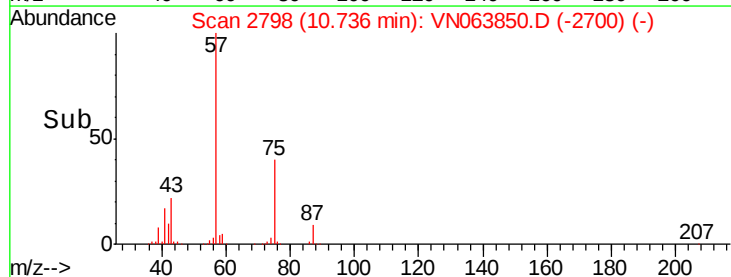
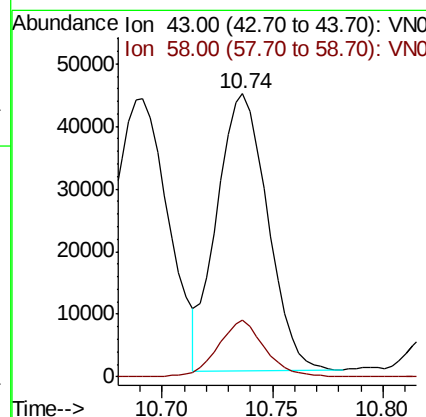
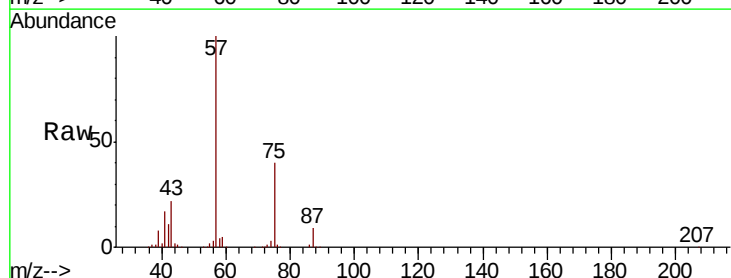
Instrument :
 MSVOA_N
 ClientSampled :
 RO-10

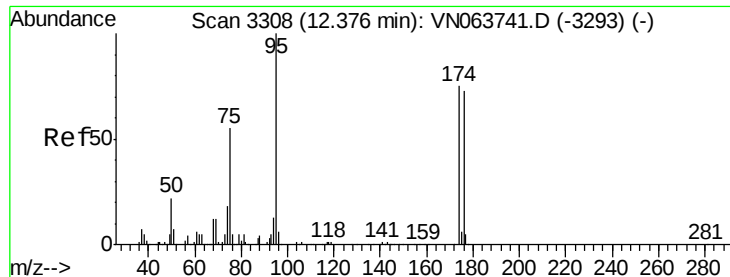
Tot Ion: 76 Resp: 4043
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 23.945 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Tgt Ion: 43 Resp: 70405
 Ion Ratio Lower Upper
 43 100
 58 19.1 24.6 73.8#

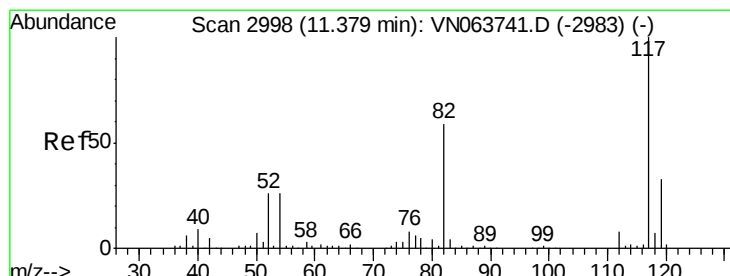
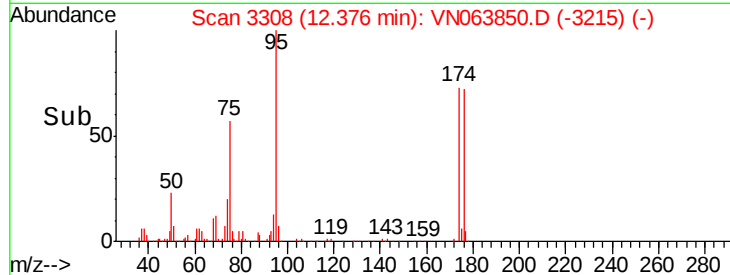
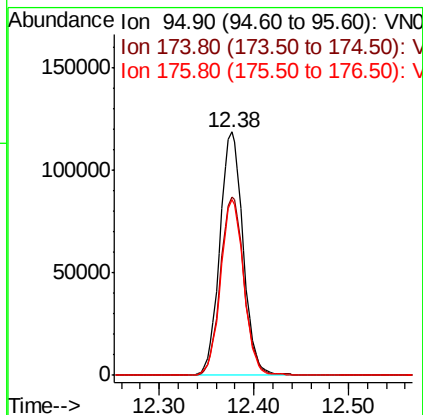
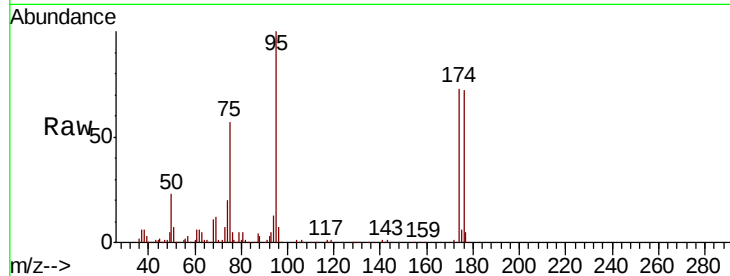




#62
4-Bromofluorobenzene
Concen: 50.457 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

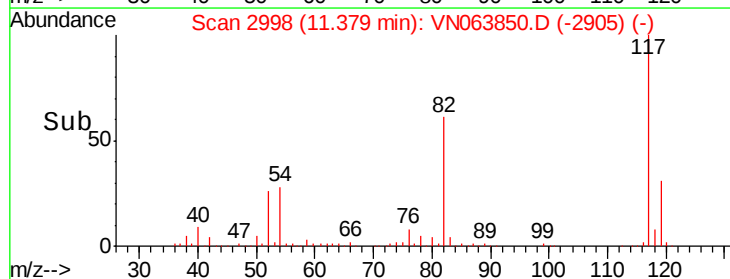
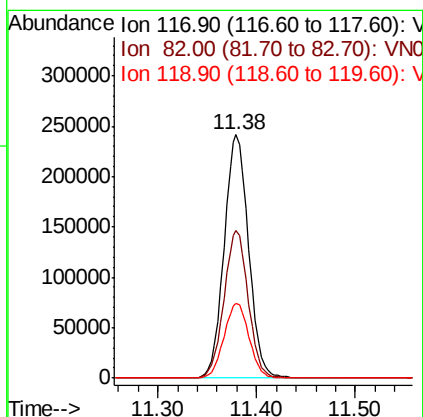
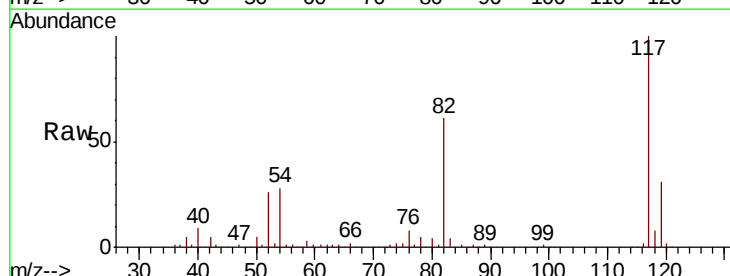
Instrument :
MSVOA_N
ClientSampleId :
RO-10

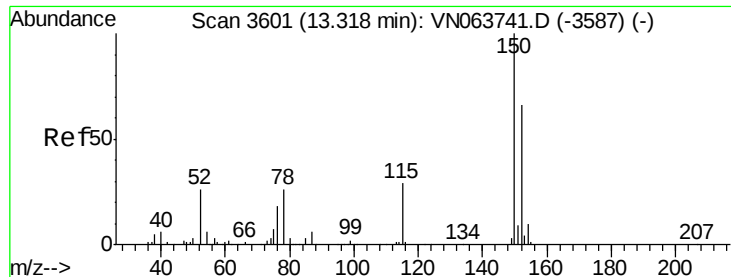
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.6
176	71.8	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063850.D
Acq: 3 Oct 2020 3:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.2
119	30.8	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

Instrument :

MSVOA_N

ClientSampled :

RO-10

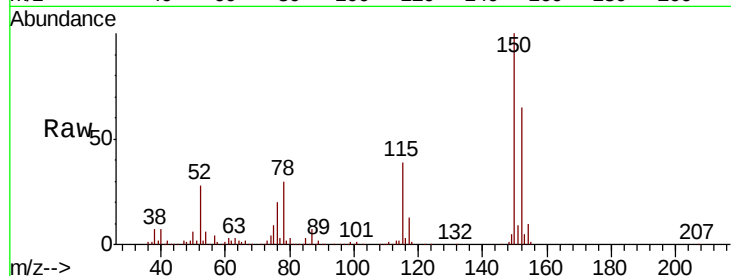
Tot Ion:152 Resp: 167458

Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.8

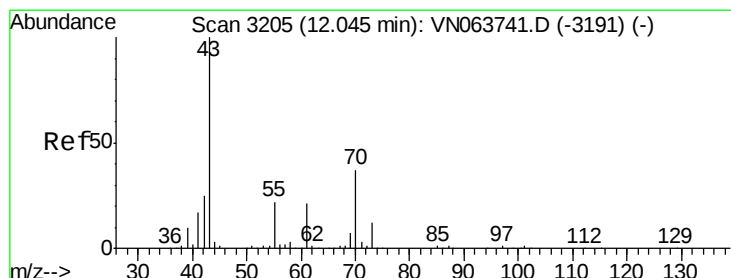
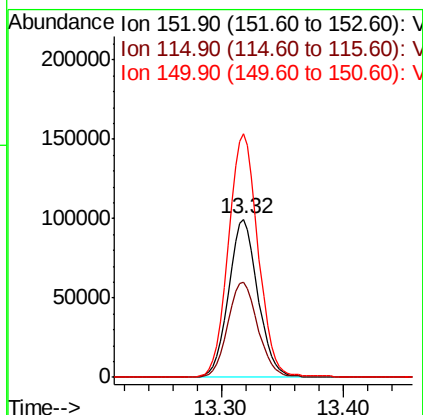
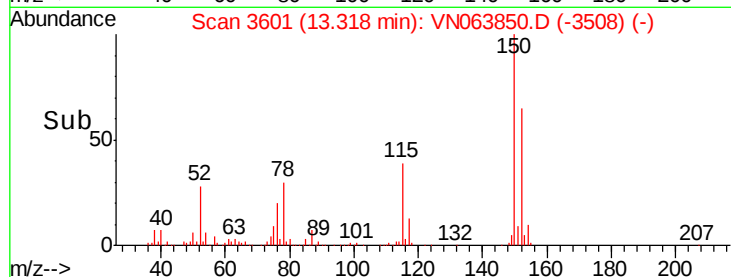
150 155.9 0.0 341.8



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-ethyl acetate

Concen: 2.322 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063850.D

Acq: 3 Oct 2020 3:56

Tgt Ion: 43 Resp: 629

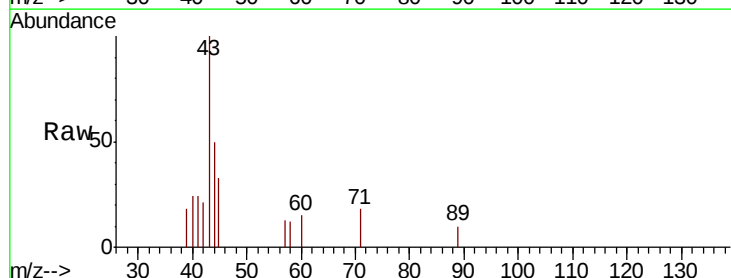
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 10.2 17.9 26.9#

61 0.0 17.0 25.4#

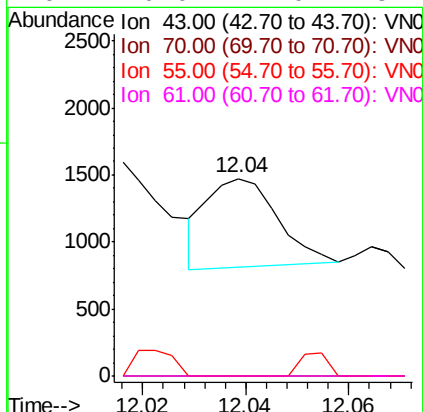
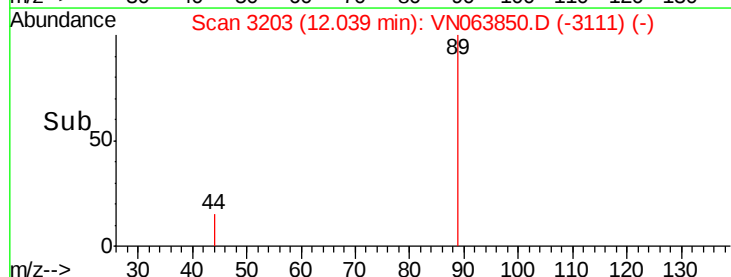


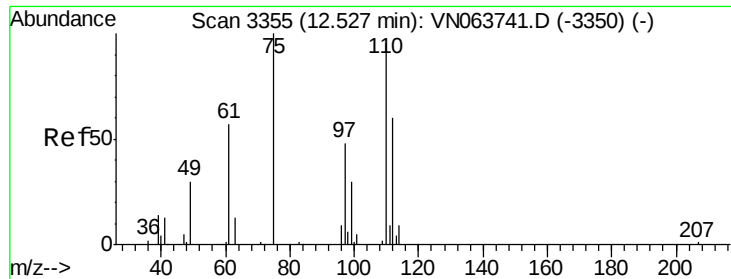
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

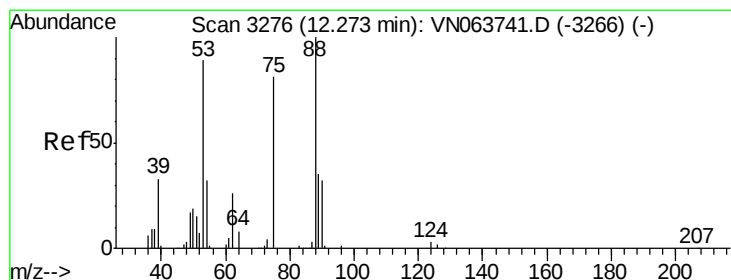
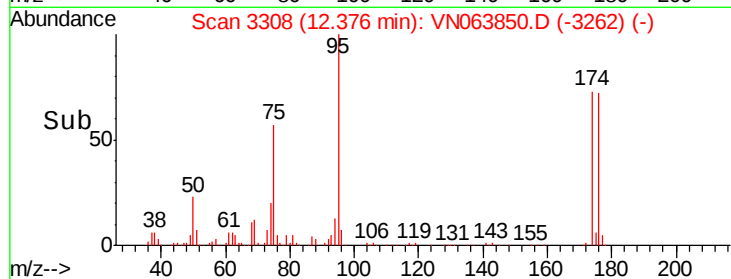
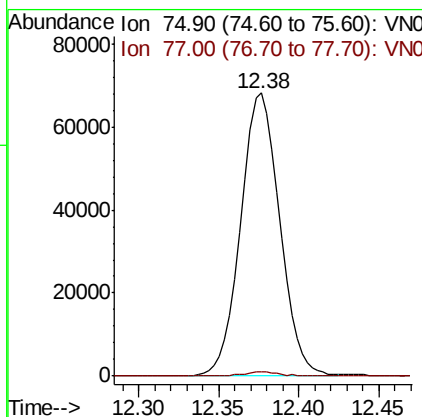
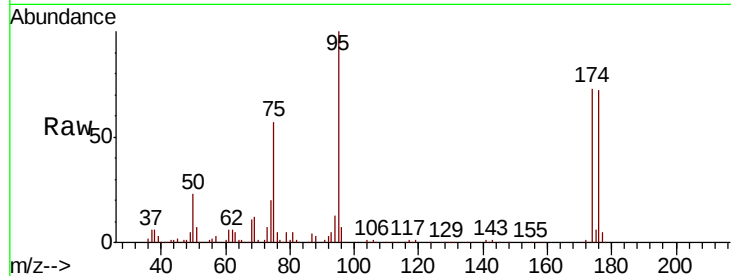




#76
 1,2,3-Trichloropropane
 Concen: 30.759 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-10

Tot Ion: 75 Resp: 113543
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.589 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063850.D
 Acq: 3 Oct 2020 3:56

Tgt Ion: 75 Resp: 113543
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.2 132.2#
 89 0.0 36.0 54.0#

