

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072021\
 Data File : VW019508.D
 Acq On : 20 Jul 2021 13:40
 Operator : SY/VA
 Sample : M3056-01
 Misc : 5.08g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-VNJ-239

Quant Time: Jul 20 14:16:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:37:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

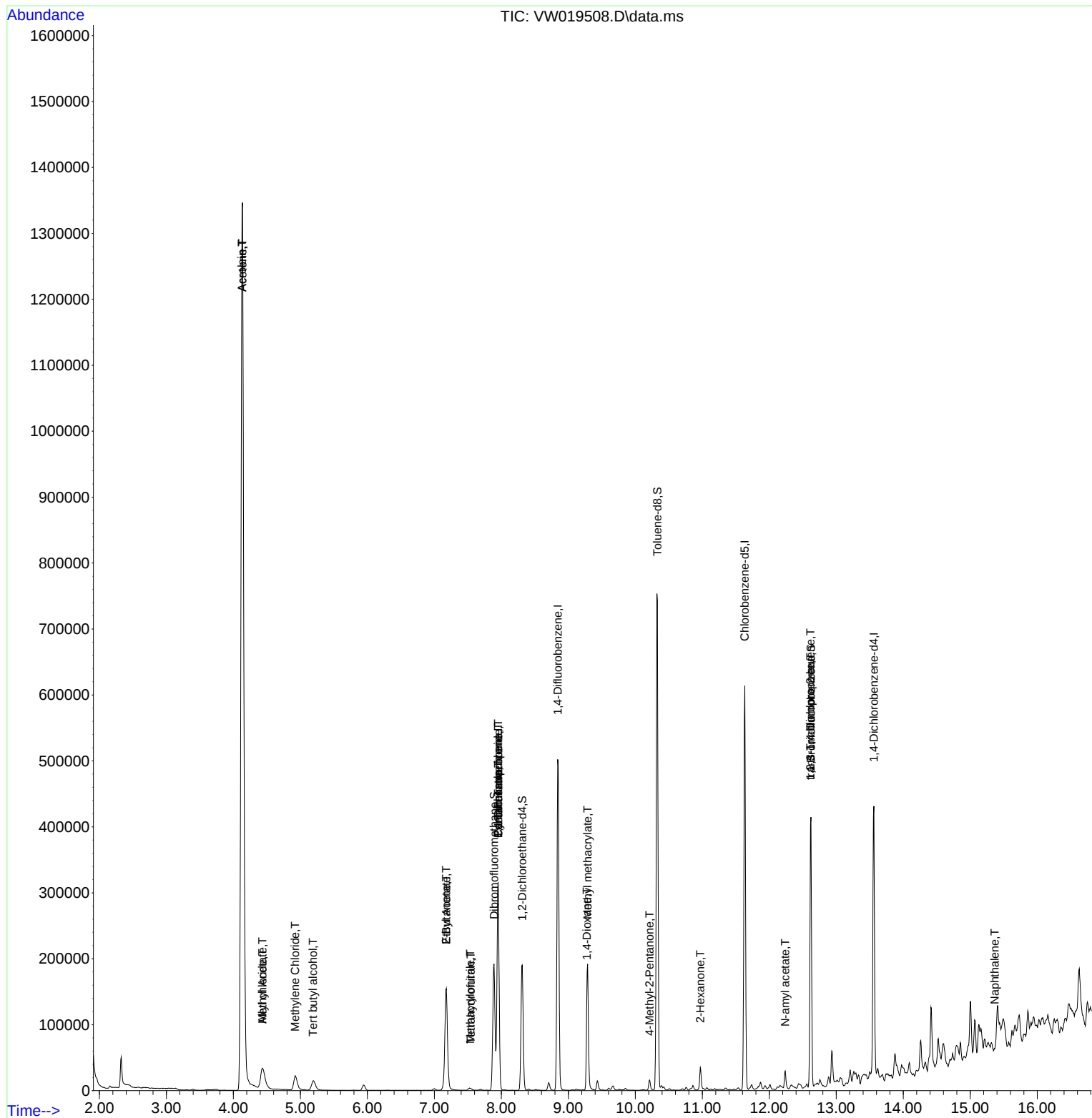
Internal Standards						
1) Pentafluorobenzene	7.952	168	228036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	425735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	331513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	110320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	155960	72.754	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.500%
35) Dibromofluoromethane	7.891	113	139865	53.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.540%
50) Toluene-d8	10.329	98	500827	49.731	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.622	95	145957	38.638	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.190	59	32033	201.067	ug/l	99
13) Acrolein	4.129	56	549	3.621	ug/l #	1
14) Allyl chloride	4.434	41	7367	2.046	ug/l #	63
16) Acetone	4.135	43	2532677	6106.818	ug/l	97
18) Methyl Acetate	4.434	43	24274	17.625	ug/l #	50
20) Methylene Chloride	4.922	84	20179	3.106	ug/l	96
25) 2-Butanone	7.177	43	255082	357.549	ug/l	99
29) Tetrahydrofuran	7.543	42	1066	2.249	ug/l #	84
31) Cyclohexane	7.952	56	5455	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.952	75	19429	4.281	ug/l #	50
37) Ethyl Acetate	7.177	43	255082	134.103	ug/l #	67
38) Carbon Tetrachloride	7.952	117	23632	5.960	ug/l #	16
41) Methacrylonitrile	7.537	41	1356	1.256	ug/l #	40
48) Methyl methacrylate	9.287	41	25594	15.709	ug/l #	39
49) 1,4-Dioxane	9.275	88	117	4.860	ug/l #	1
51) 4-Methyl-2-Pentanone	10.213	43	8819	4.808	ug/l	97
59) 2-Hexanone	10.969	43	22028	18.102	ug/l	96
74) N-amyl acetate	12.237	43	17099	8.916	ug/l #	47
76) 1,2,3-Trichloropropane	12.615	75	73072	67.019	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	73072	152.735	ug/l #	12
95) Naphthalene	15.365	128	5623	1.337	ug/l #	94

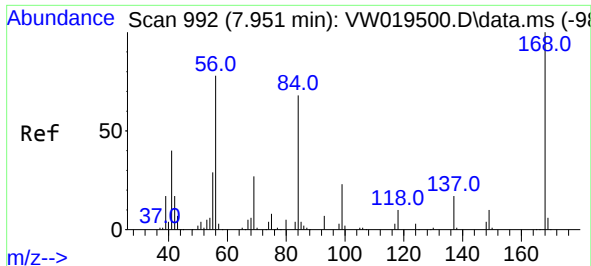
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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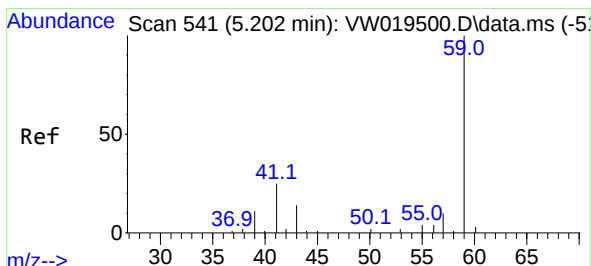
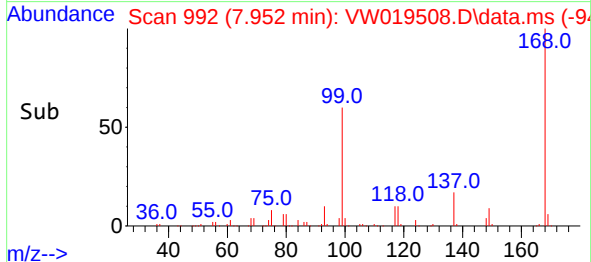
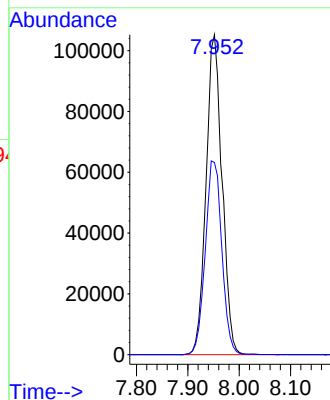
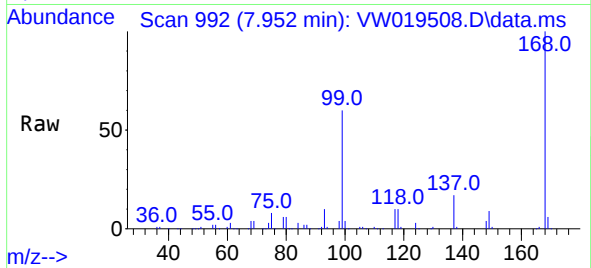




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

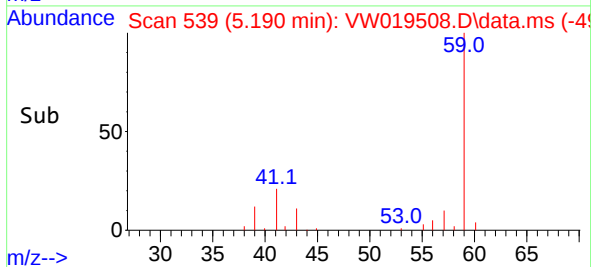
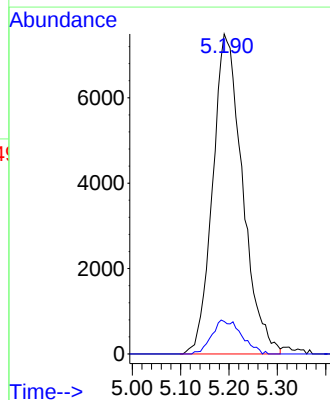
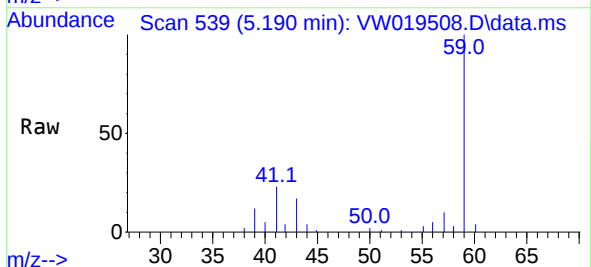
Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239

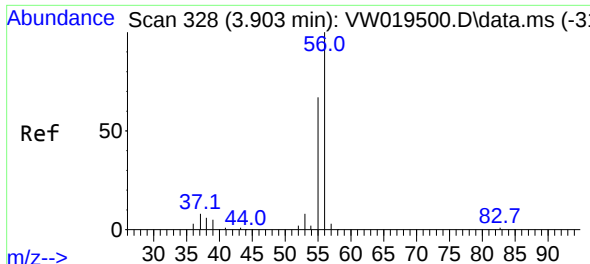
Tgt Ion:168 Resp: 228036
Ion Ratio Lower Upper
168 100
99 60.0 51.9 77.9



#11
Tert butyl alcohol
Concen: 201.067 ug/l
RT: 5.190 min Scan# 539
Delta R.T. -0.012 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 59 Resp: 32033
Ion Ratio Lower Upper
59 100
57 10.6 8.0 12.0

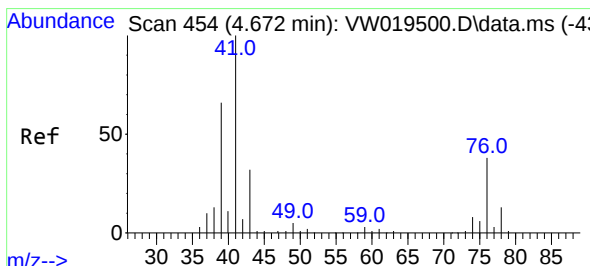
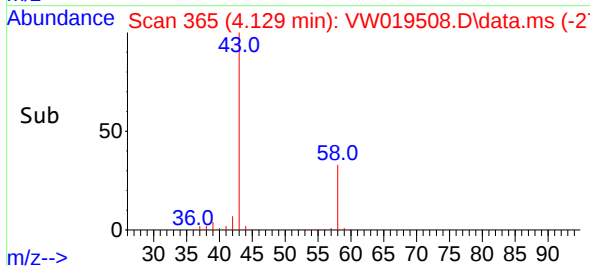
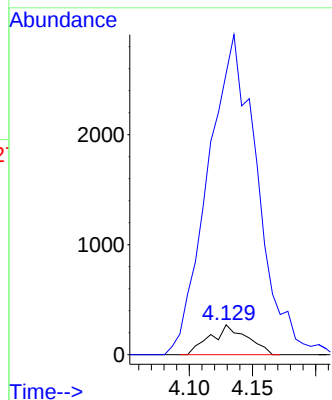
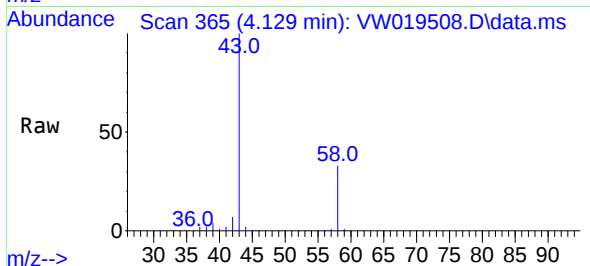




#13
Acrolein
Concen: 3.621 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.226 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

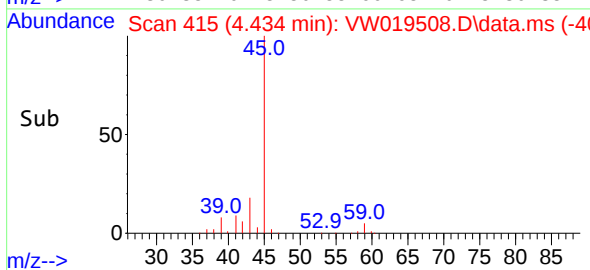
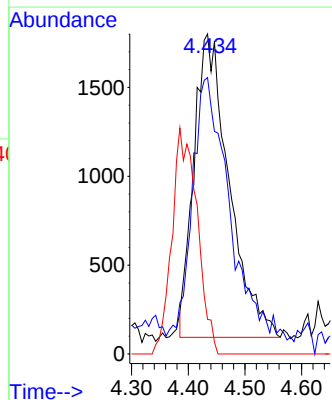
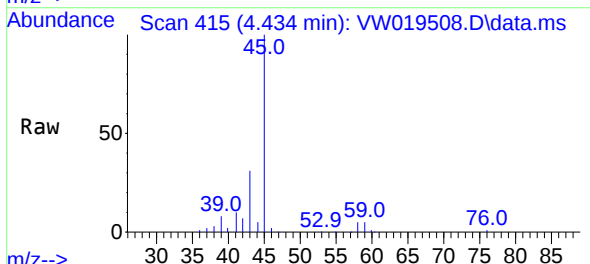
Instrument :
MSVOA_W
ClientSampled :
RO-VNJ-239

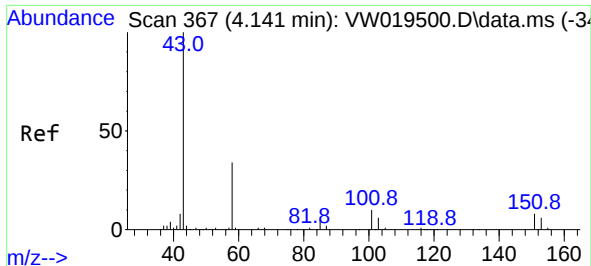
Tgt Ion: 56 Resp: 549
Ion Ratio Lower Upper
56 100
55 1388.9 56.3 84.5#



#14
Allyl chloride
Concen: 2.046 ug/l
RT: 4.434 min Scan# 415
Delta R.T. -0.238 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 41 Resp: 7367
Ion Ratio Lower Upper
41 100
39 82.1 52.2 78.2#
76 0.0 30.1 45.1#

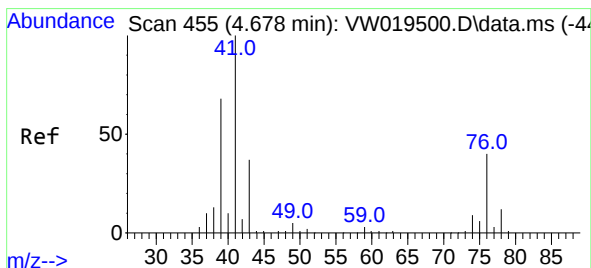
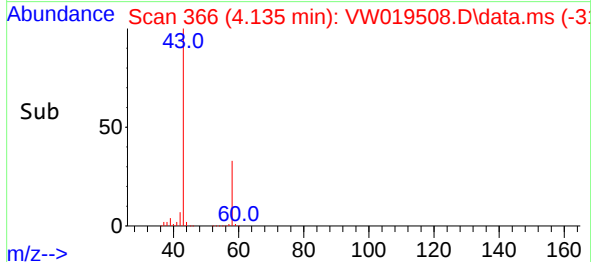
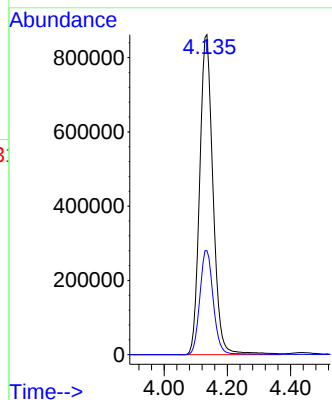
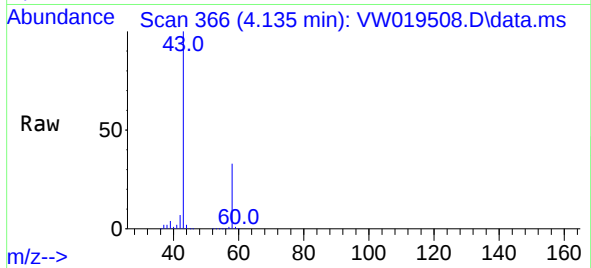




#16
Acetone
Concen: 6106.818 ug/l
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

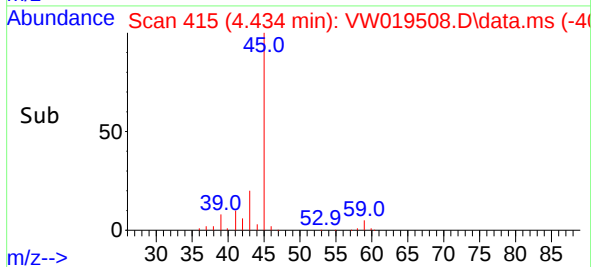
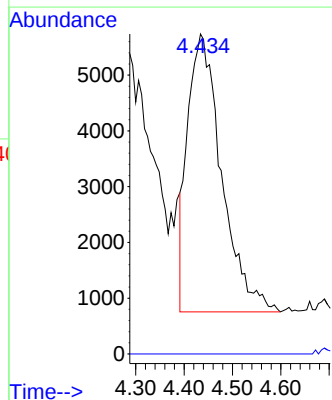
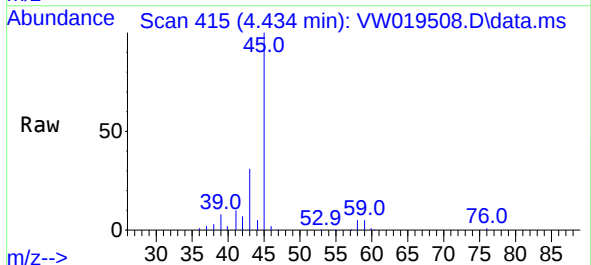
Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239

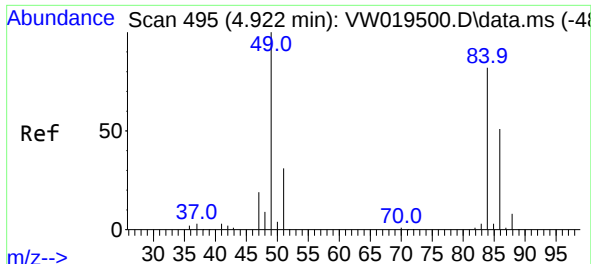
Tgt Ion: 43 Resp: 2532677
Ion Ratio Lower Upper
43 100
58 32.5 27.2 40.8



#18
Methyl Acetate
Concen: 17.625 ug/l
RT: 4.434 min Scan# 415
Delta R.T. -0.244 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 43 Resp: 24274
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

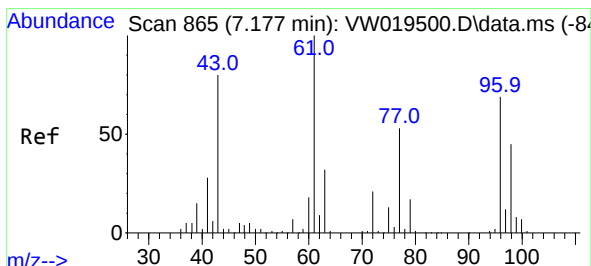
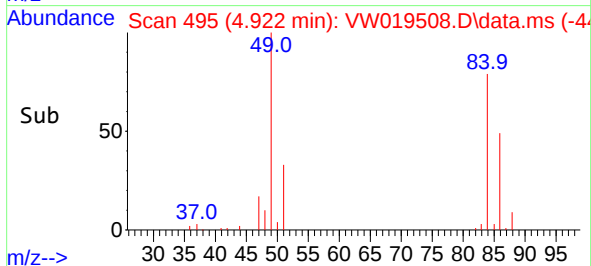
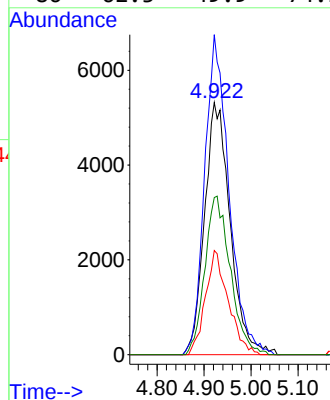
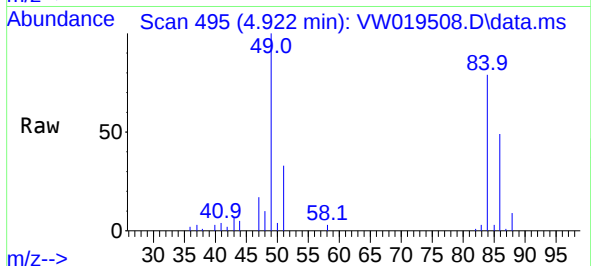




#20
Methylene Chloride
Concen: 3.106 ug/l
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

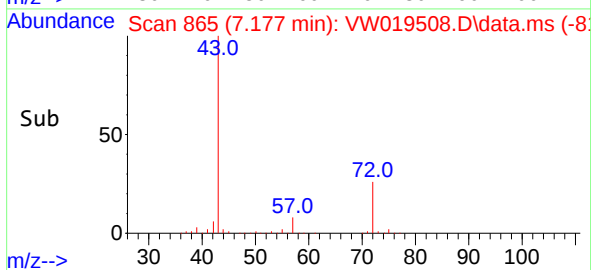
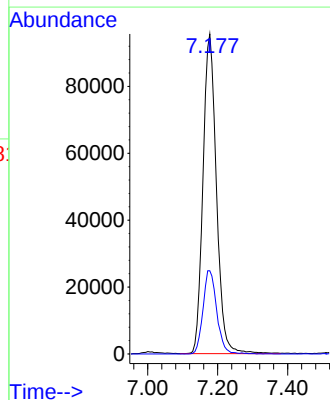
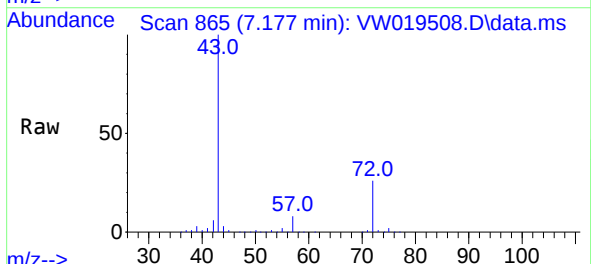
Instrument :
MSVOA_W
ClientSampled :
RO-VNJ-239

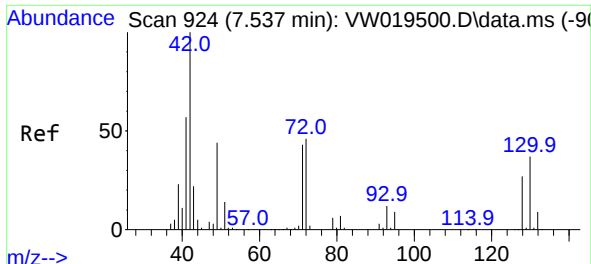
Tgt Ion:	84	Resp:	20179
Ion	Ratio	Lower	Upper
84	100		
49	126.9	97.2	145.8
51	41.3	30.1	45.1
86	62.3	49.9	74.9



#25
2-Butanone
Concen: 357.549 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion:	43	Resp:	255082
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.0

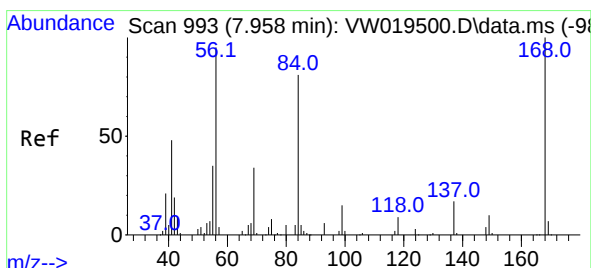
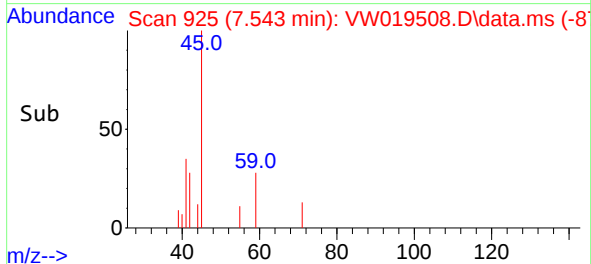
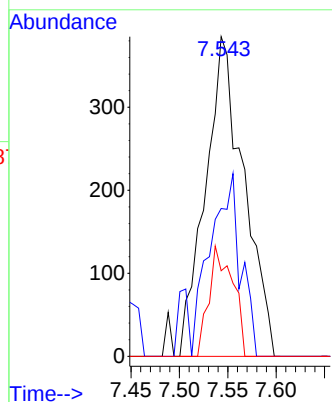
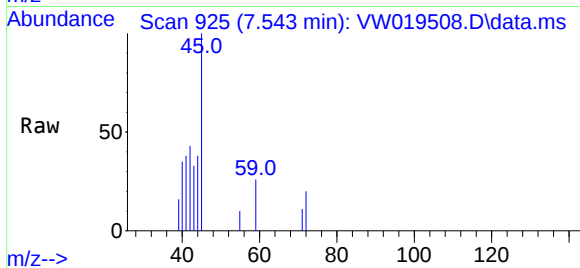




#29
Tetrahydrofuran
Concen: 2.249 ug/l
RT: 7.543 min Scan# 925
Delta R.T. 0.006 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

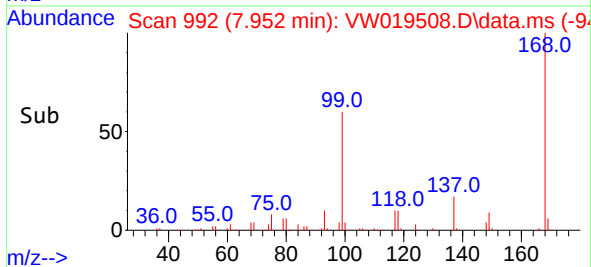
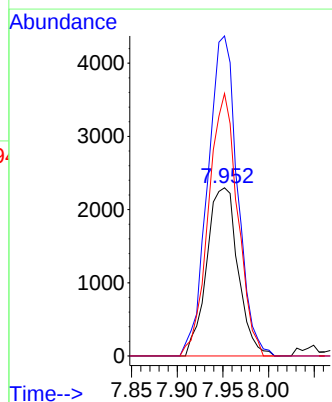
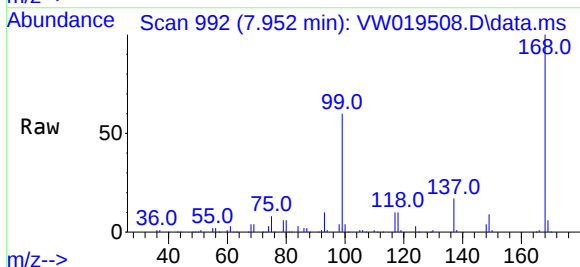
Instrument :
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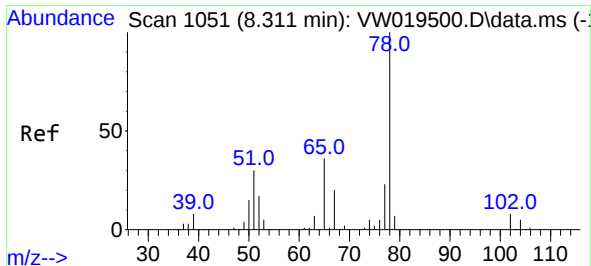
Tgt Ion:	42	Resp:	1066
Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.8	53.8
71	21.4	33.4	50.2#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion:	56	Resp:	5455
Ion	Ratio	Lower	Upper
56	100		
69	190.3	28.3	42.5#
84	156.1	68.1	102.1#

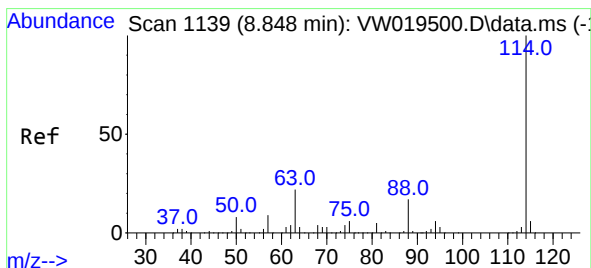
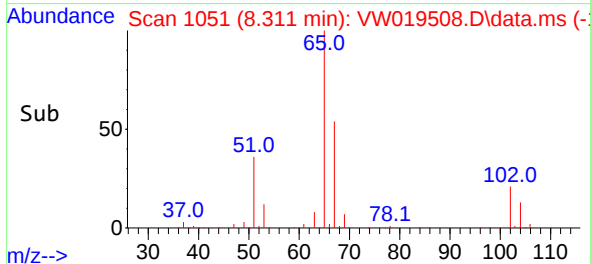
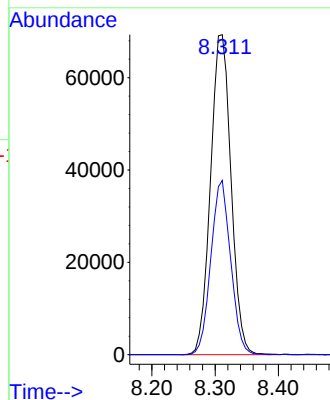
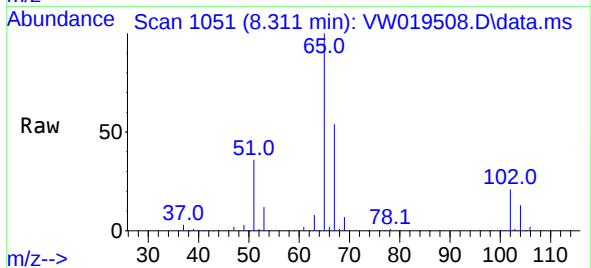




#33
1,2-Dichloroethane-d4
Concen: 72.754 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

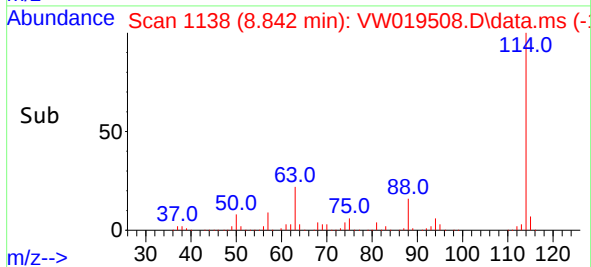
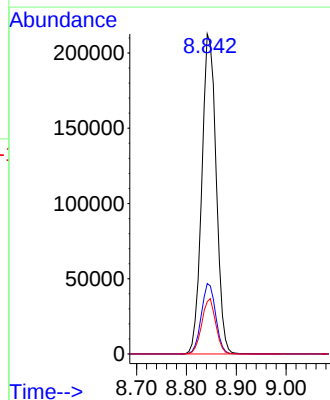
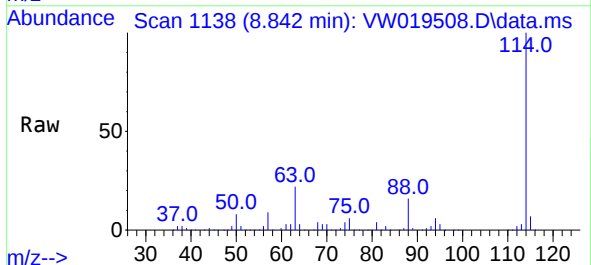
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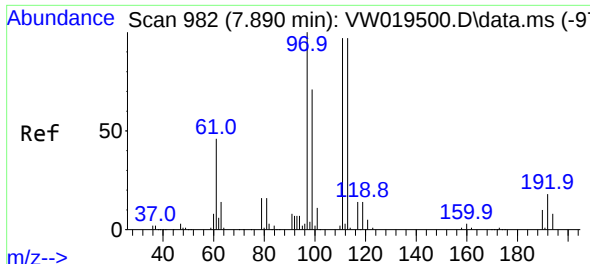
Tgt Ion: 65 Resp: 155960
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 114 Resp: 425735
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.8
88 16.3 0.0 33.4

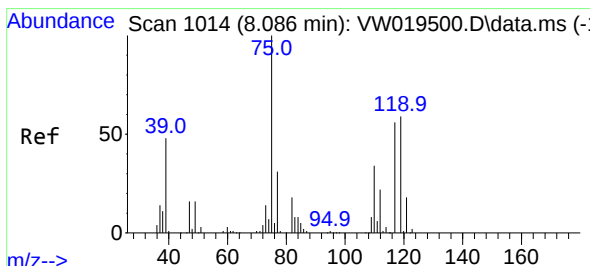
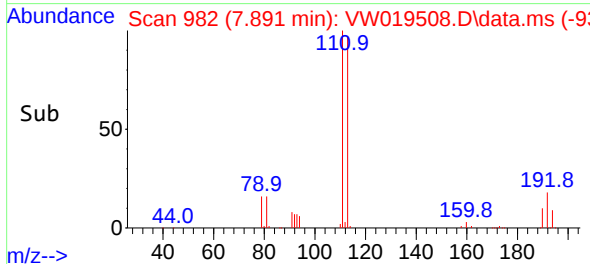
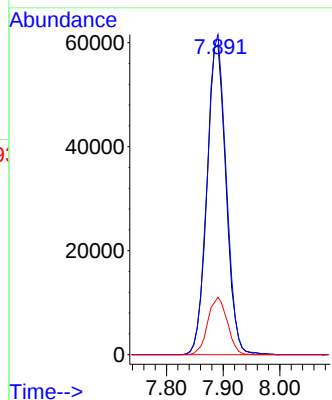
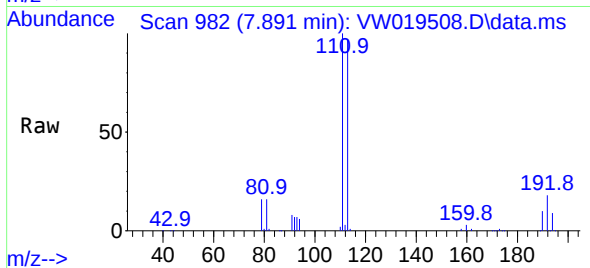




#35
Dibromofluoromethane
Concen: 53.772 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.001 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

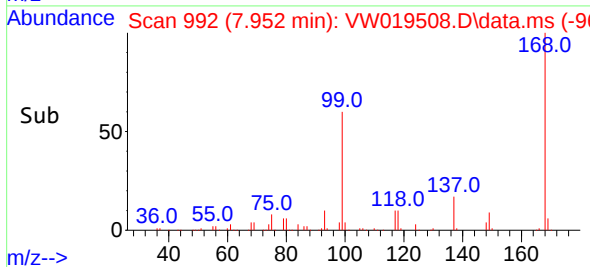
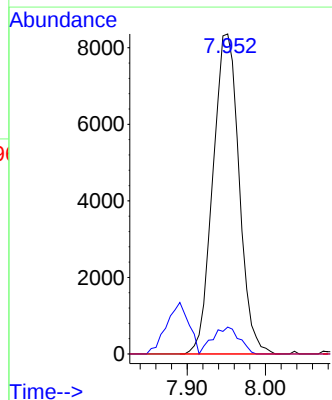
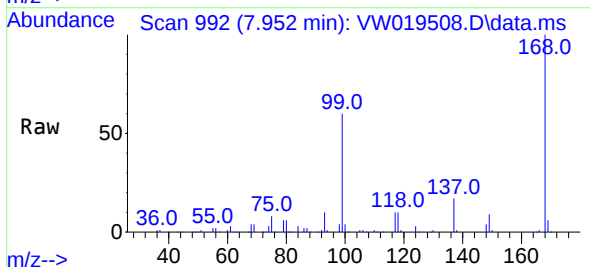
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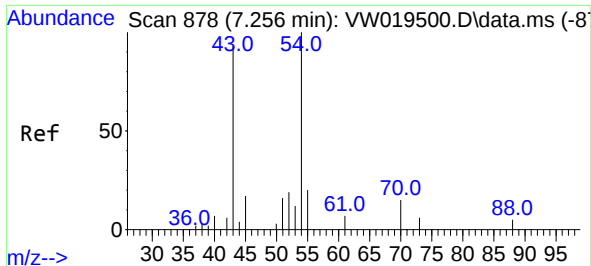
Tgt Ion:113 Resp: 139865
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.281 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 75 Resp: 19429
Ion Ratio Lower Upper
75 100
110 8.5 16.6 49.7#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 134.103 ug/l

RT: 7.177 min Scan# 865

Delta R.T. -0.079 min

Lab File: VW019508.D

Acq: 20 Jul 2021 13:40

Instrument :

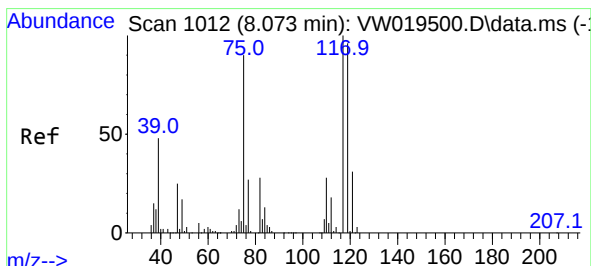
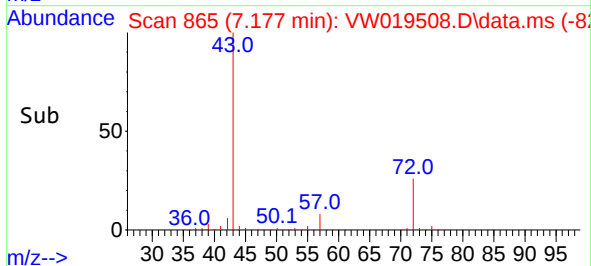
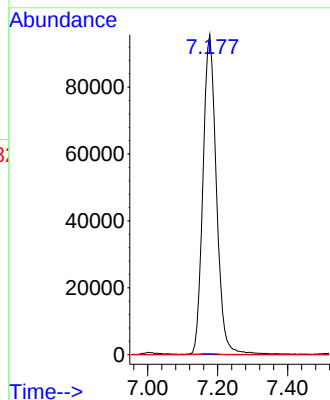
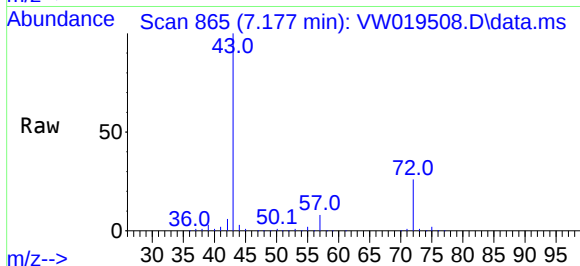
MSVOA_W

ClientSampleId :

RO-VNJ-239

Tgt Ion: 43 Resp: 255082

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 5.960 ug/l

RT: 7.952 min Scan# 992

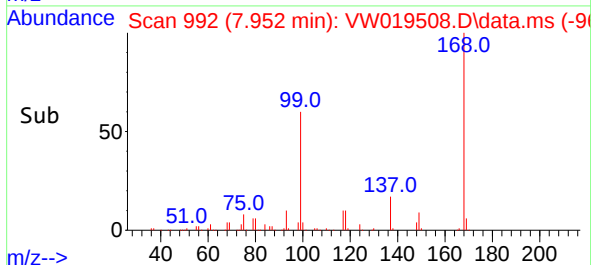
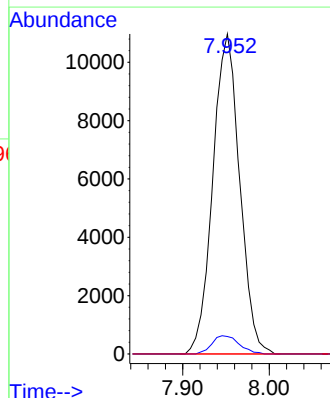
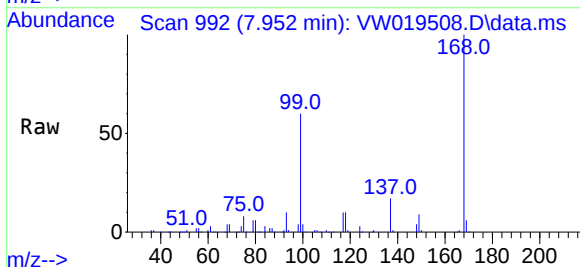
Delta R.T. -0.122 min

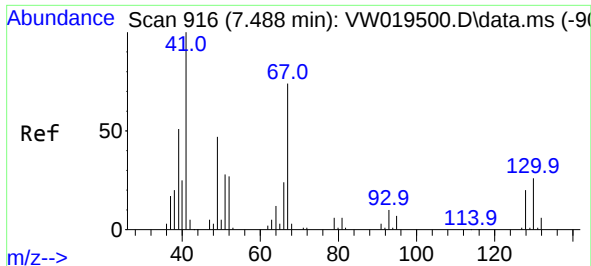
Lab File: VW019508.D

Acq: 20 Jul 2021 13:40

Tgt Ion: 117 Resp: 23632

Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.7	115.1#
121	0.0	24.8	37.2#

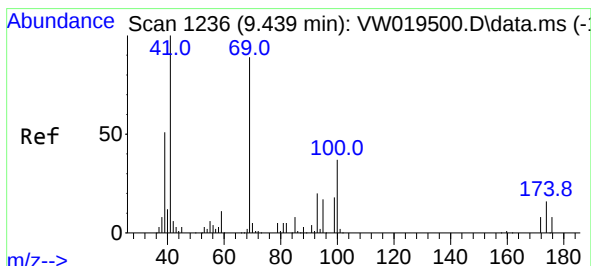
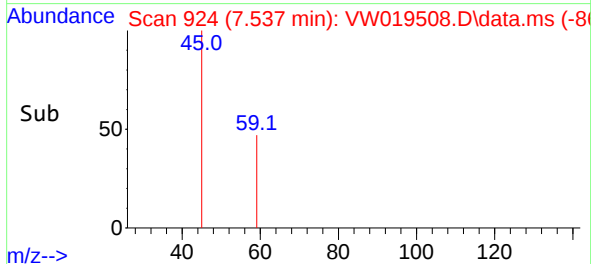
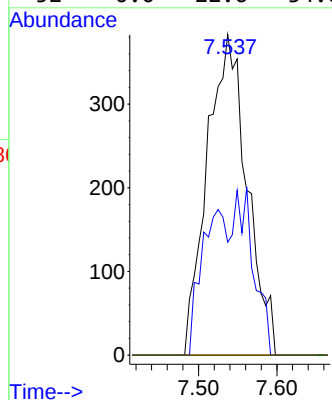
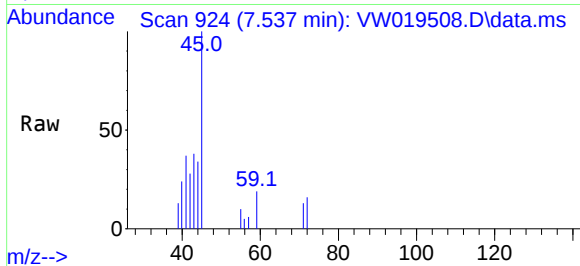




#41
Methacrylonitrile
Concen: 1.256 ug/l
RT: 7.537 min Scan# 924
Delta R.T. 0.049 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

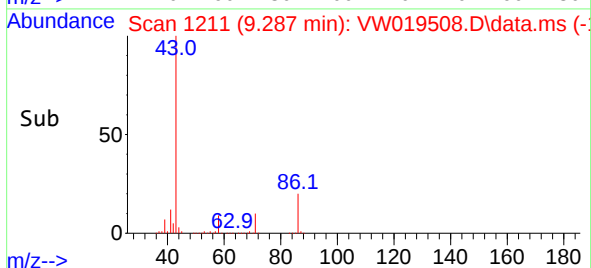
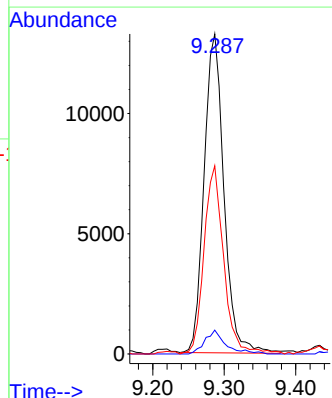
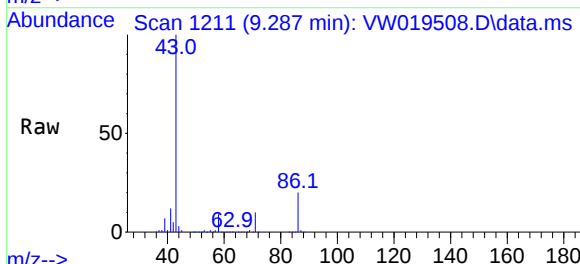
Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239

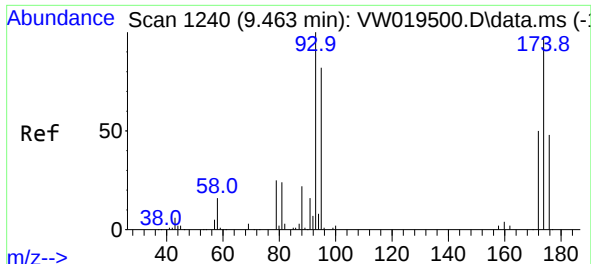
Tgt Ion:	41	Resp:	1356
Ion	Ratio	Lower	Upper
41	100		
39	29.6	41.6	62.4#
67	0.0	55.3	82.9#
52	0.0	22.6	34.0#



#48
Methyl methacrylate
Concen: 15.709 ug/l
RT: 9.287 min Scan# 1211
Delta R.T. -0.152 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion:	41	Resp:	25594
Ion	Ratio	Lower	Upper
41	100		
69	7.9	74.5	111.7#
39	58.7	41.1	61.7

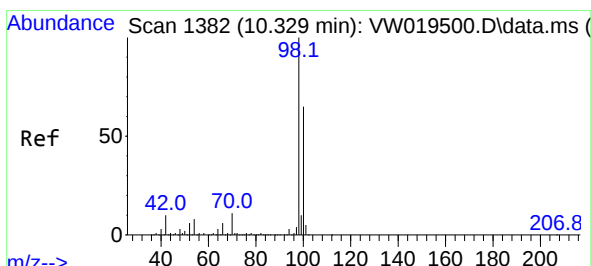
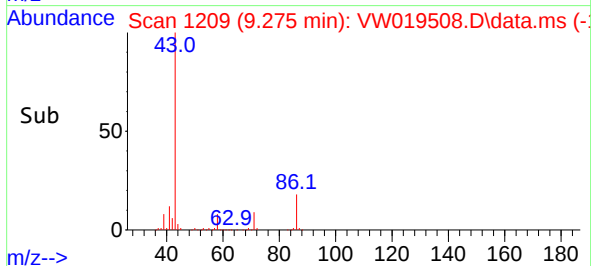
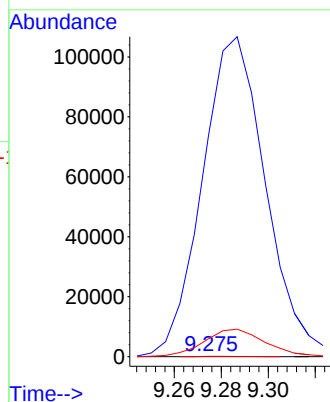
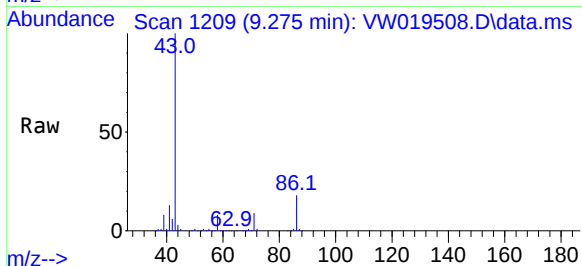




#49
1,4-Dioxane
Concen: 4.860 ug/l
RT: 9.275 min Scan# 1209
Delta R.T. -0.189 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

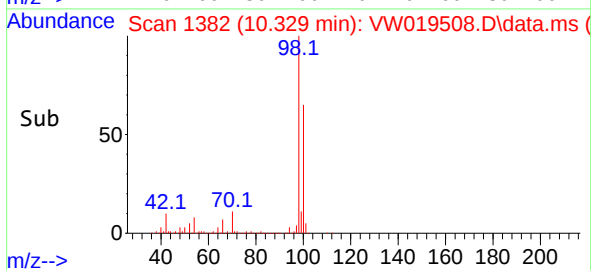
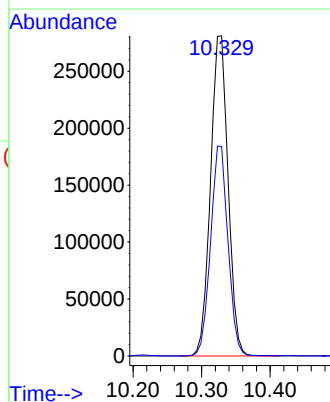
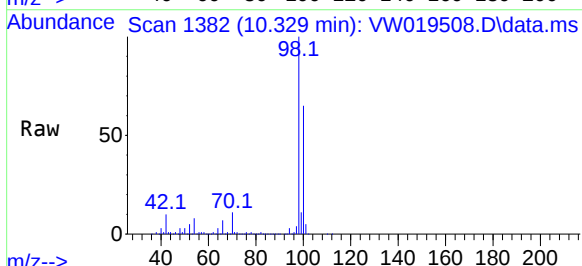
Instrument :
MSVOA_W
ClientSampled :
RO-VNJ-239

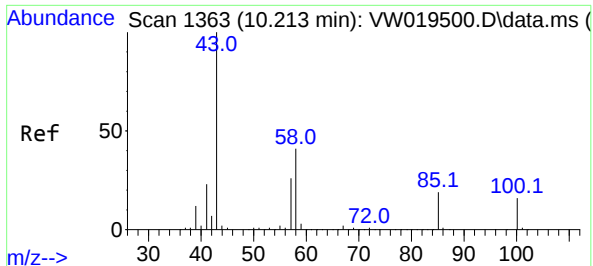
Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 173346.2 0.0 0.0#
58 14515.4 61.8 92.6#



#50
Toluene-d8
Concen: 49.731 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 98 Resp: 500827
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

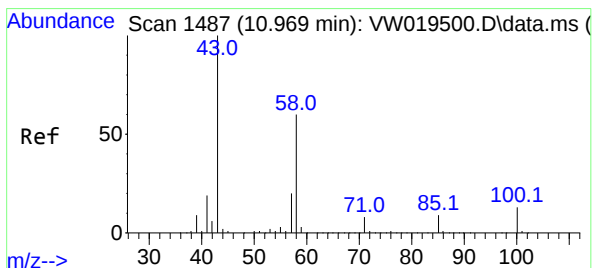
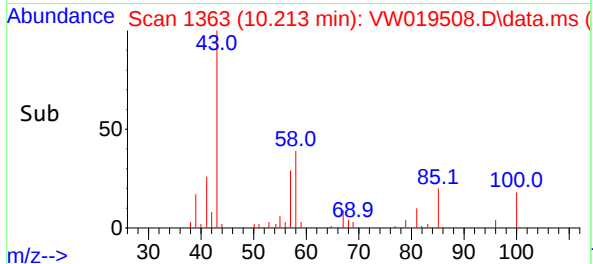
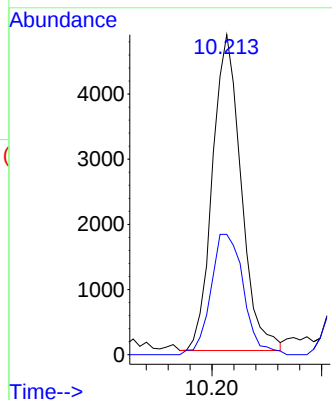
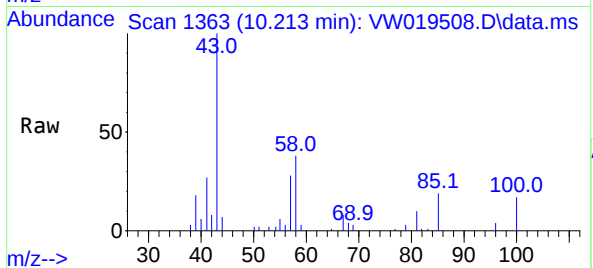




#51
4-Methyl-2-Pentanone
Concen: 4.808 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

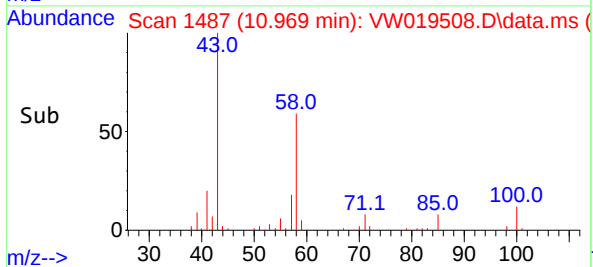
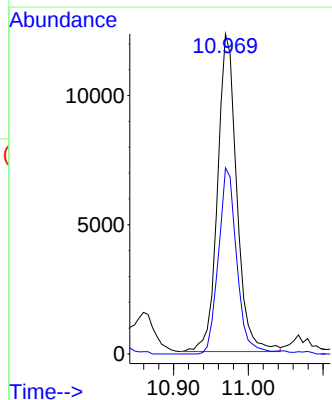
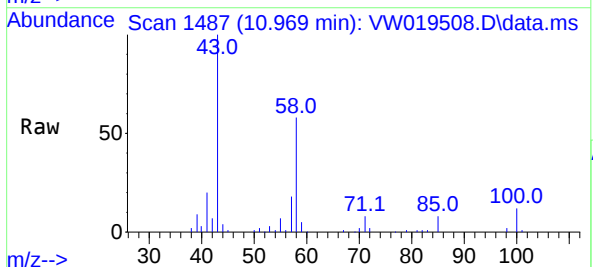
Instrument :
MSVOA_W
ClientSampled :
RO-VNJ-239

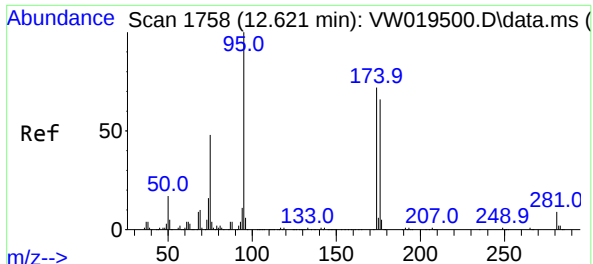
Tgt Ion: 43 Resp: 8819
Ion Ratio Lower Upper
43 100
58 43.5 33.4 50.0



#59
2-Hexanone
Concen: 18.102 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 43 Resp: 22028
Ion Ratio Lower Upper
43 100
58 55.8 29.3 87.8

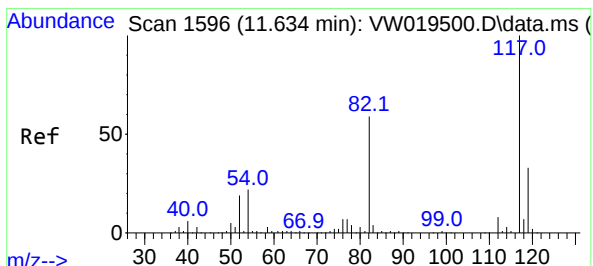
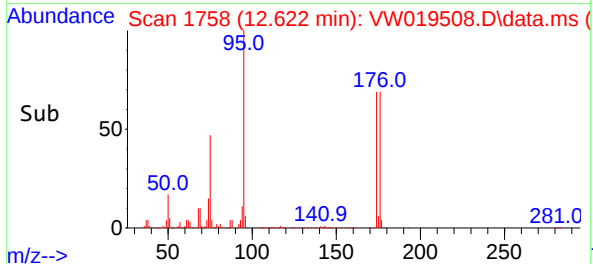
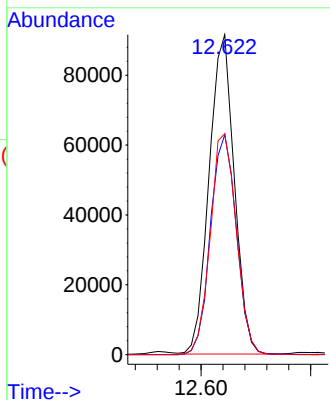
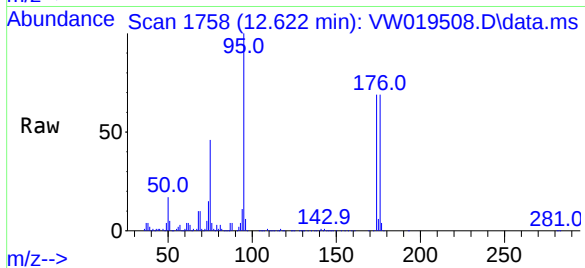




#62
4-Bromofluorobenzene
Concen: 38.638 ug/l
RT: 12.622 min Scan# 1758
Delta R.T. 0.001 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

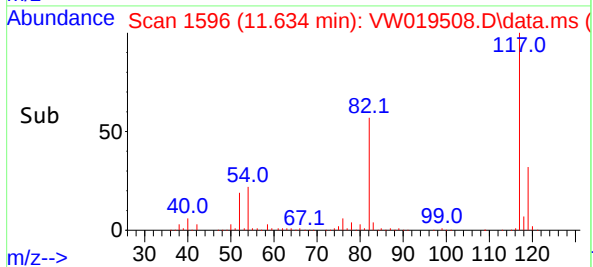
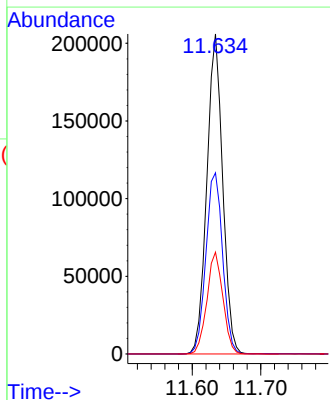
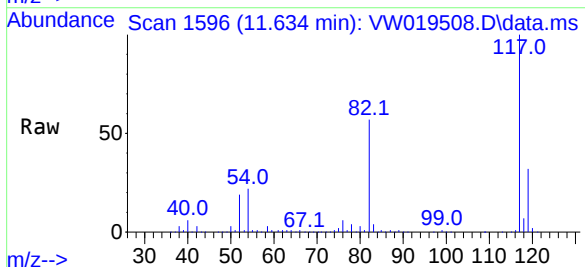
Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239

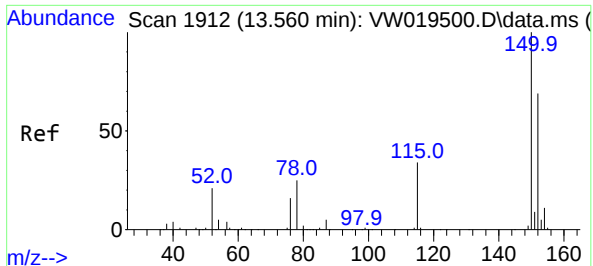
Tgt Ion: 95 Resp: 145957
Ion Ratio Lower Upper
95 100
174 71.1 0.0 146.6
176 71.6 0.0 136.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 117 Resp: 331513
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.0
119 31.8 26.6 39.8

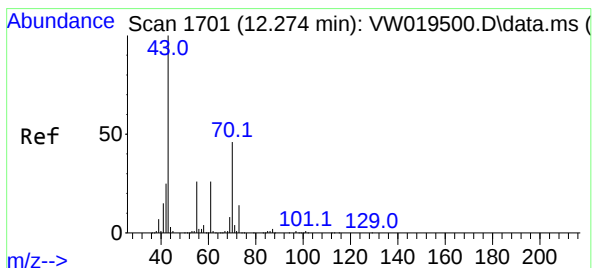
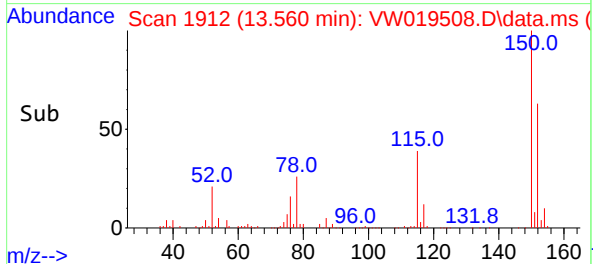
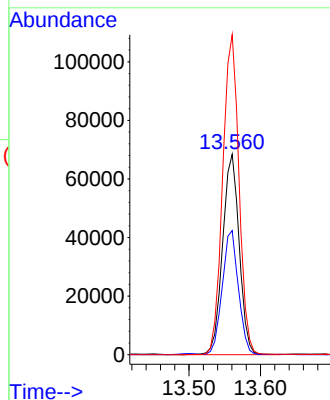
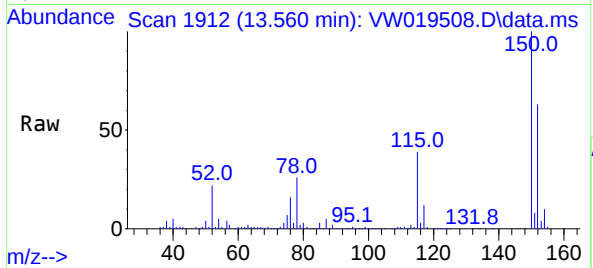




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

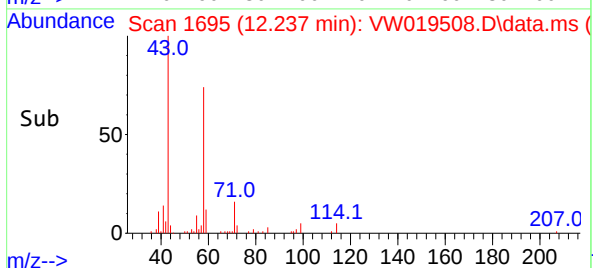
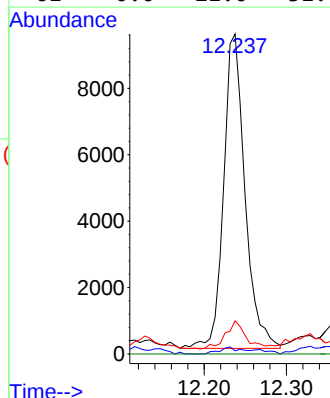
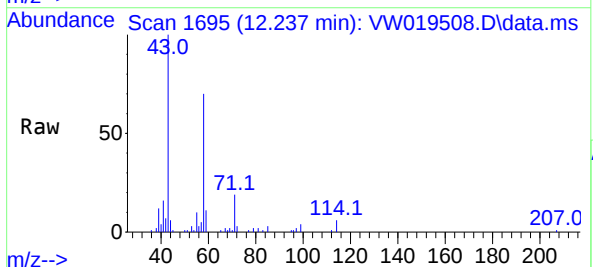
Instrument :
MSVOA_W
ClientSampled :
RO-VNJ-239

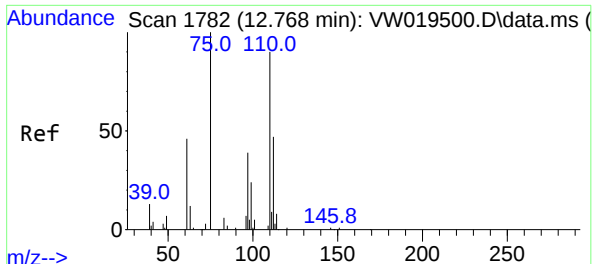
Tgt Ion:152 Resp: 110320
Ion Ratio Lower Upper
152 100
115 60.0 30.6 91.8
150 156.5 0.0 342.4



#74
N-ethyl acetate
Concen: 8.916 ug/l
RT: 12.237 min Scan# 1695
Delta R.T. -0.036 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Tgt Ion: 43 Resp: 17099
Ion Ratio Lower Upper
43 100
70 2.3 37.0 55.4#
55 9.5 21.3 31.9#
61 0.0 21.0 31.6#

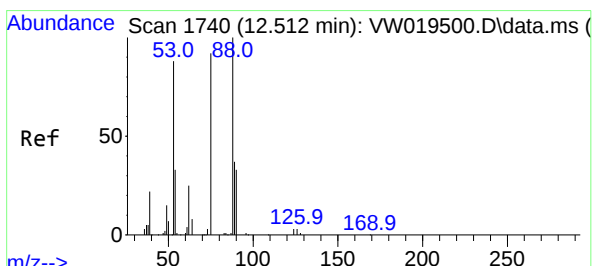
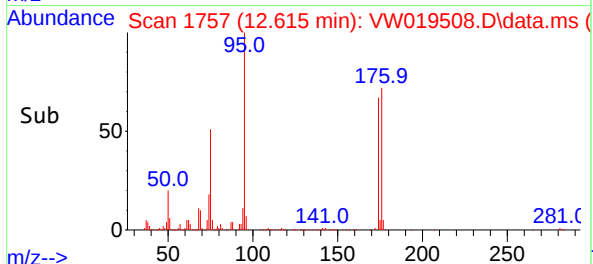
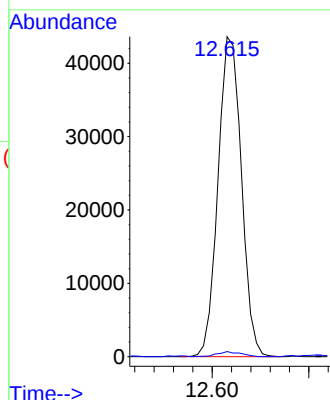
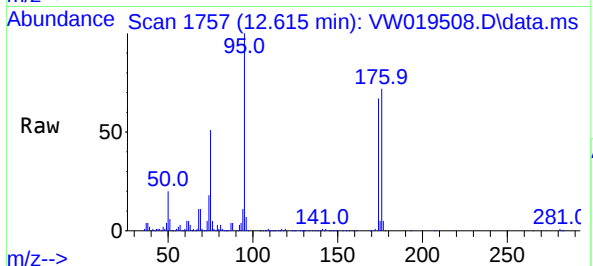




#76
1,2,3-Trichloropropane
Concen: 67.019 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

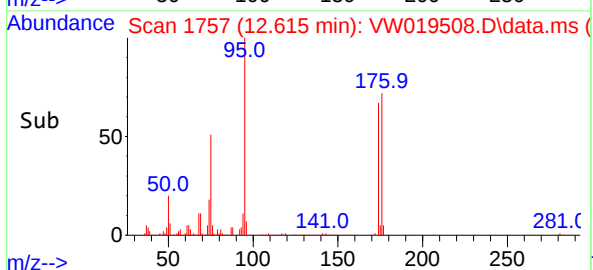
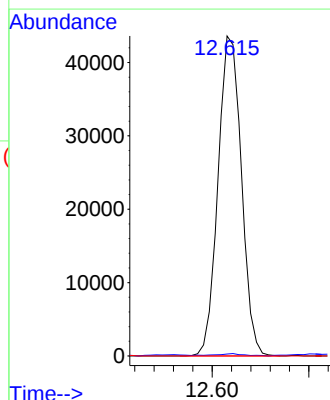
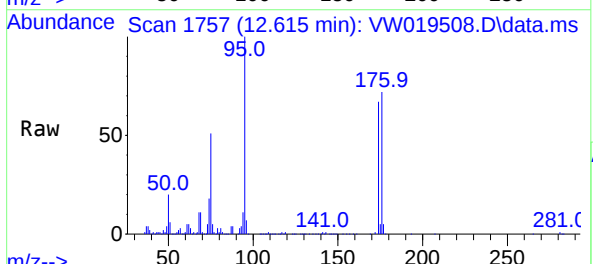
Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239

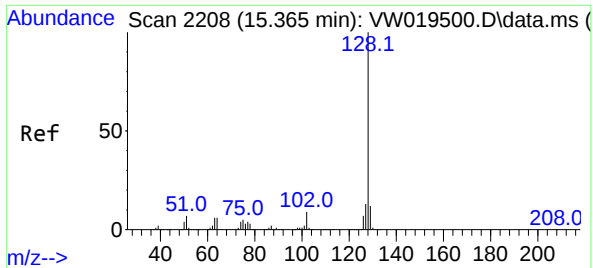
Tgt Ion: 75 Resp: 73072
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.735 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.104 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

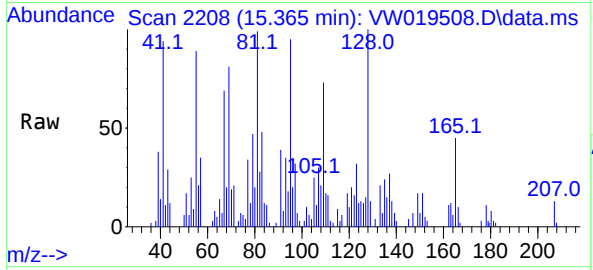
Tgt Ion: 75 Resp: 73072
Ion Ratio Lower Upper
75 100
53 0.8 75.8 113.8#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 1.337 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW019508.D
Acq: 20 Jul 2021 13:40

Instrument :
MSVOA_W
ClientSampleId :
RO-VNJ-239



Tgt Ion:128 Resp: 5623
Ion Ratio Lower Upper
128 100
127 15.7 10.2 15.2#
129 12.8 8.8 13.2

