

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024235.D
 Acq On : 15 Sep 2021 02:54
 Operator : JC/MD
 Sample : M3724-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31190

Quant Time: Sep 15 07:31:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

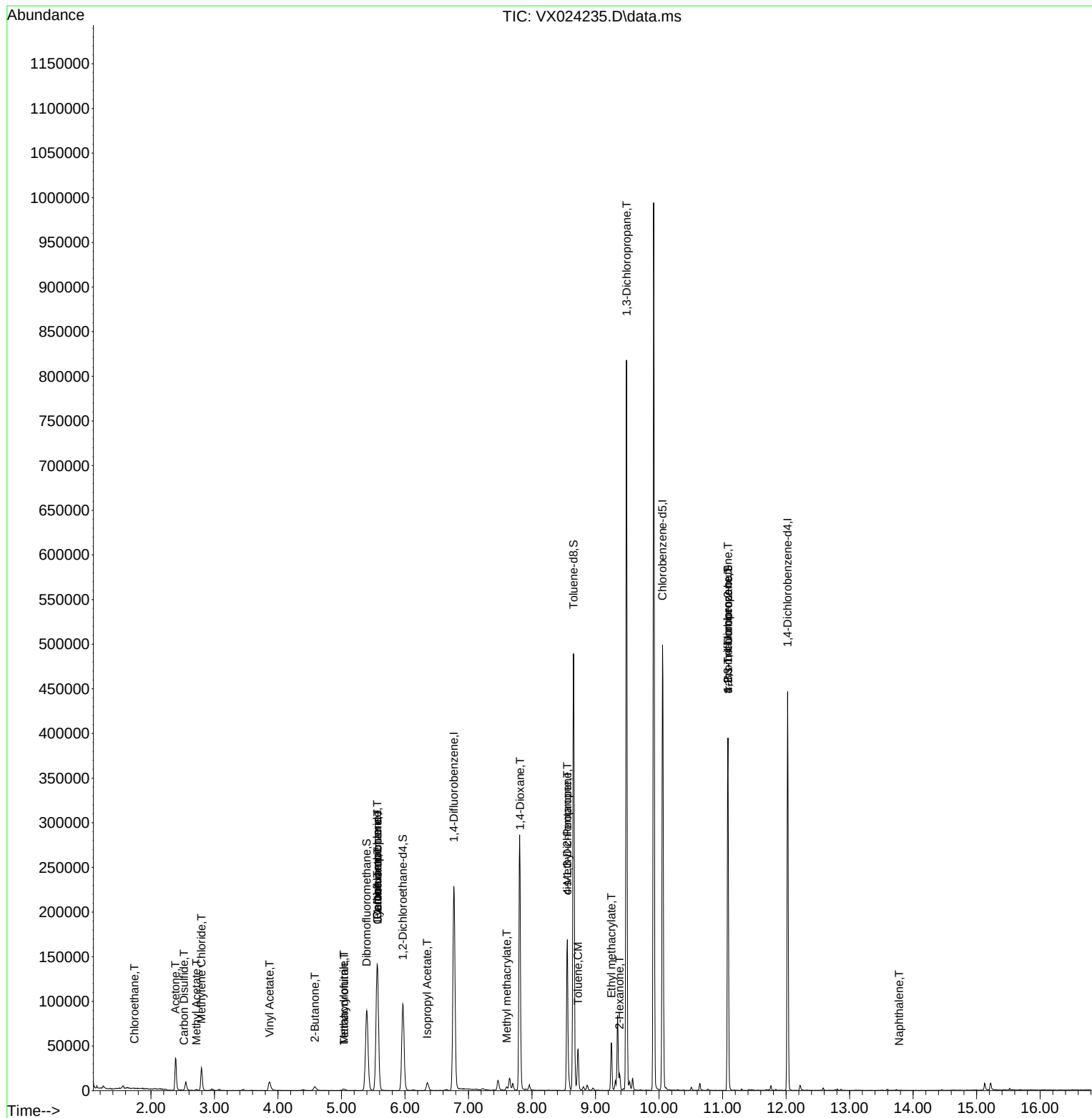
Internal Standards						
1) Pentafluorobenzene	5.562	168	131670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226208	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99408	52.945	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.880%			
35) Dibromofluoromethane	5.397	113	76755	50.595	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.180%			
50) Toluene-d8	8.653	98	286753	51.887	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.780%			
62) 4-Bromofluorobenzene	11.085	95	102230	47.532	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.060%			
Target Compounds					Qvalue	
6) Chloroethane	1.739	64	172	2.156	ug/l #	43
11) Tert butyl alcohol	2.971	59	1338	Below Cal	#	73
16) Acetone	2.386	43	38289	47.826	ug/l	90
17) Carbon Disulfide	2.520	76	761	0.250	ug/l #	75
18) Methyl Acetate	2.715	43	1479	0.589	ug/l #	80
20) Methylene Chloride	2.794	84	10683	6.949	ug/l	84
23) Vinyl Acetate	3.867	43	1849	0.525	ug/l #	68
25) 2-Butanone	4.580	43	6504	5.516	ug/l	98
29) Tetrahydrofuran	5.044	42	1440	1.951	ug/l #	73
31) Cyclohexane	5.568	56	2997	1.365	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10712	5.151	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13638	5.826	ug/l #	15
41) Methacrylonitrile	5.038	41	822	0.636	ug/l #	32
43) Isopropyl Acetate	6.348	43	11626	3.014	ug/l	93
48) Methyl methacrylate	7.604	41	5755	2.990	ug/l #	18
49) 1,4-Dioxane	7.811	88	19	0.471	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61462	25.003	ug/l #	46
52) Toluene	8.726	92	16171	4.136	ug/l	96
54) cis-1,3-Dichloropropene	8.555	75	25126	9.991	ug/l #	70
56) Ethyl methacrylate	9.250	69	204	1.434	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	6797	2.507	ug/l #	42
59) 2-Hexanone	9.378	43	9942	5.191	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	55374	27.162	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55374	79.883	ug/l #	12
95) Naphthalene	13.780	128	177	1.314	ug/l #	69

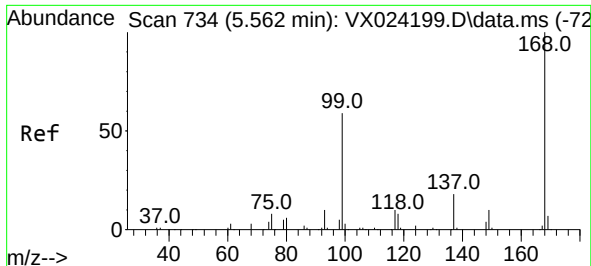
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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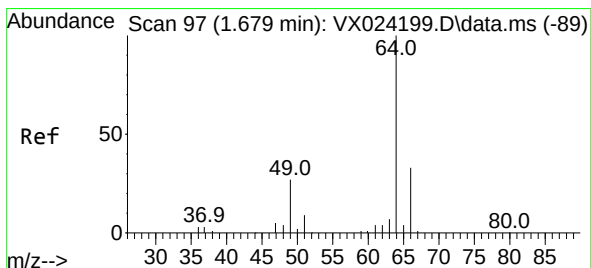
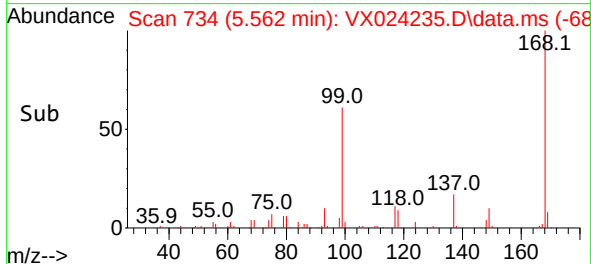
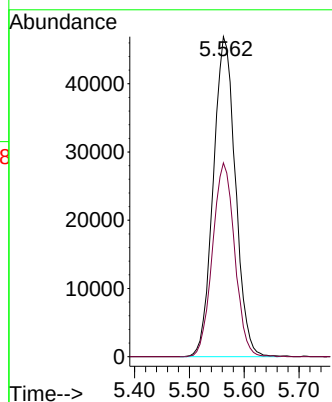
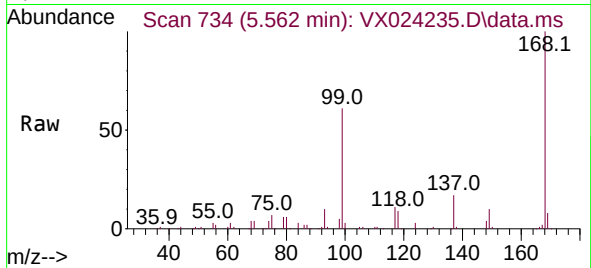




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

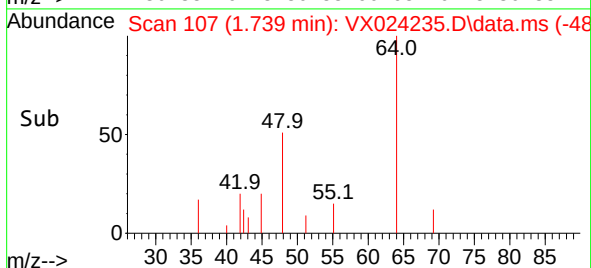
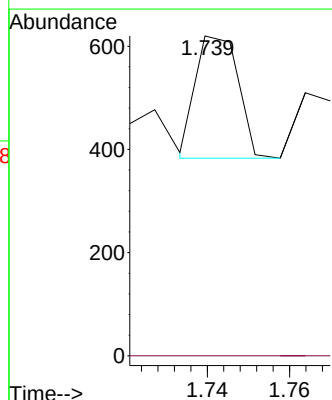
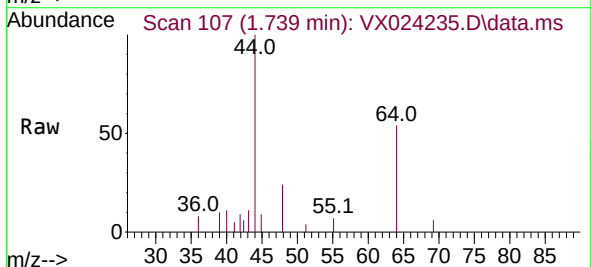
Instrument :
MSVOA_X
ClientSampleId :
31190

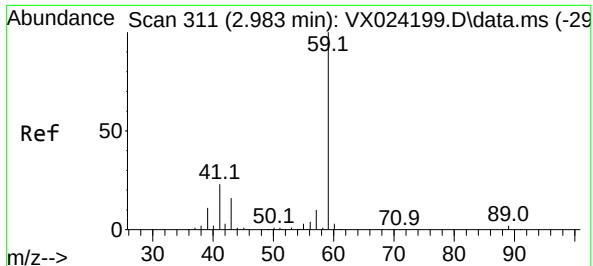
Tgt Ion:168 Resp: 131670
Ion Ratio Lower Upper
168 100
99 60.5 45.8 68.6



#6
Chloroethane
Concen: 2.156 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.060 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



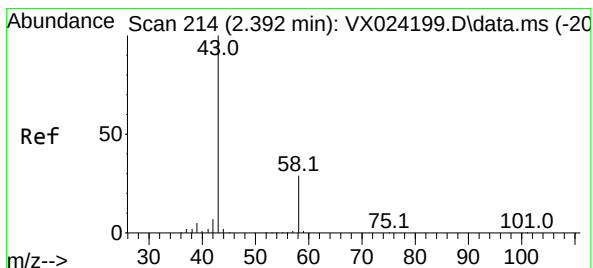
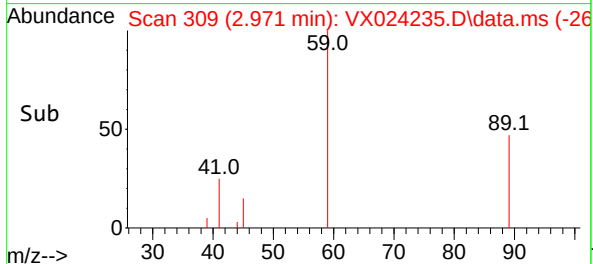
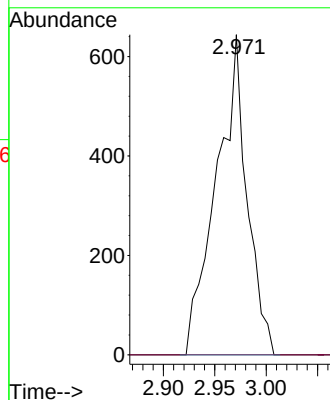
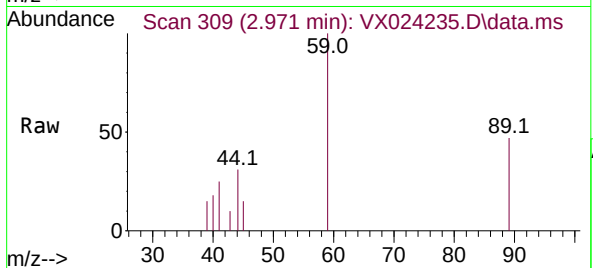


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Instrument :
MSVOA_X
ClientSampleId :
31190

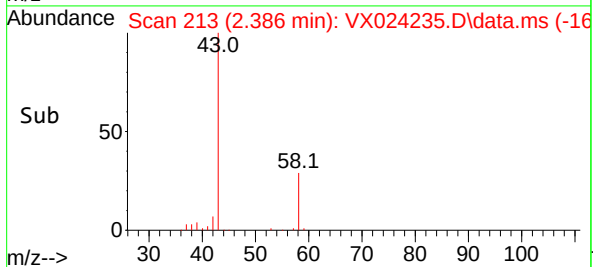
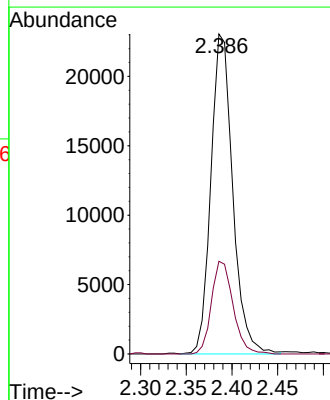
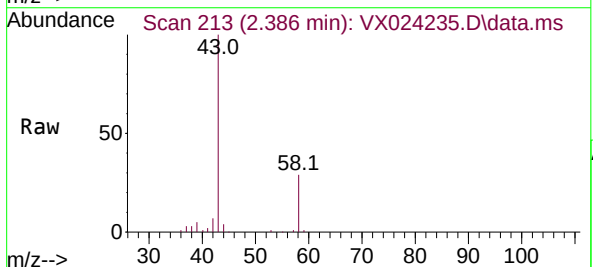
Tgt Ion: 59 Resp: 1338
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

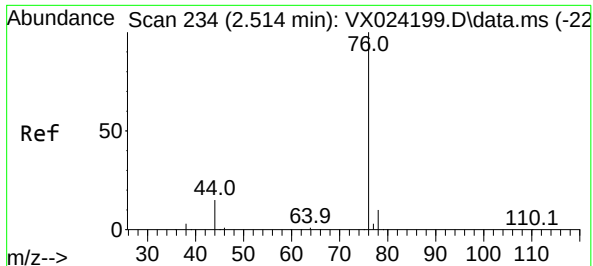


#16

Acetone
Concen: 47.826 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 43 Resp: 38289
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8

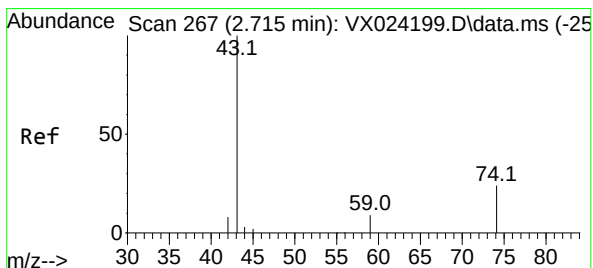
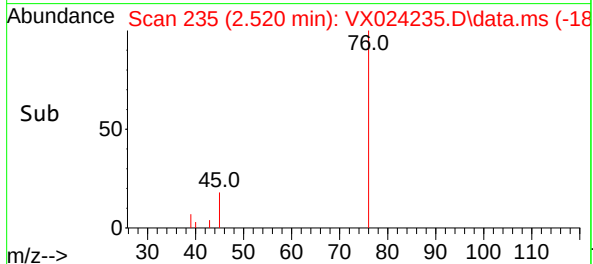
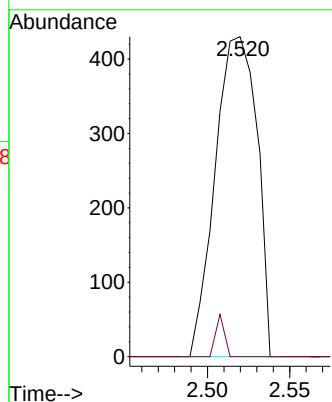
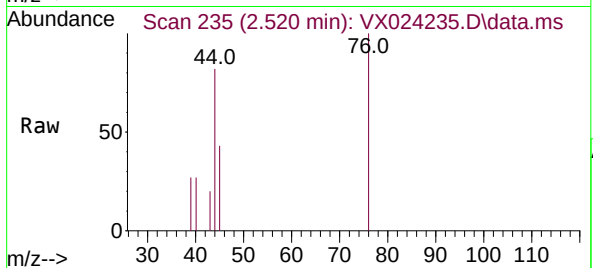




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

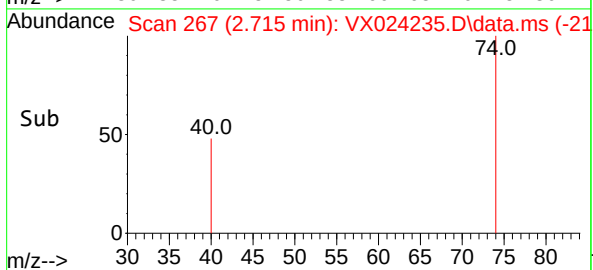
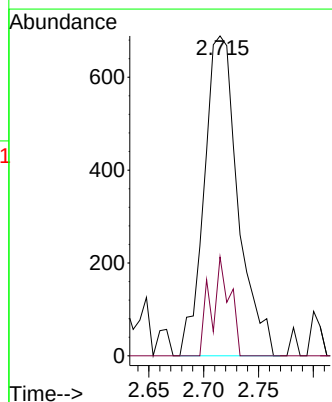
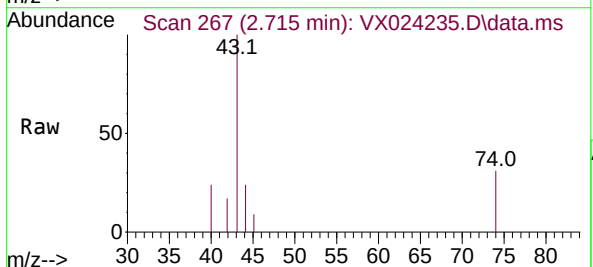
Instrument :
MSVOA_X
ClientSampleId :
31190

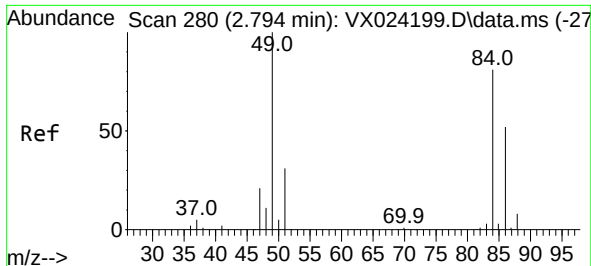
Tgt Ion: 76 Resp: 761
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.589 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
74 17.0 21.9 32.9#

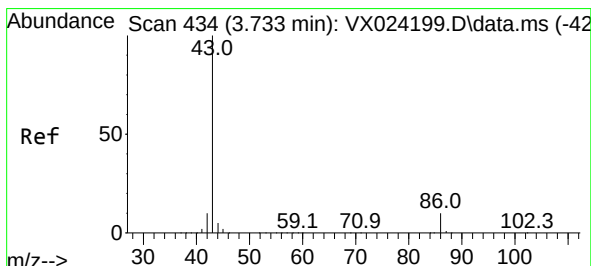
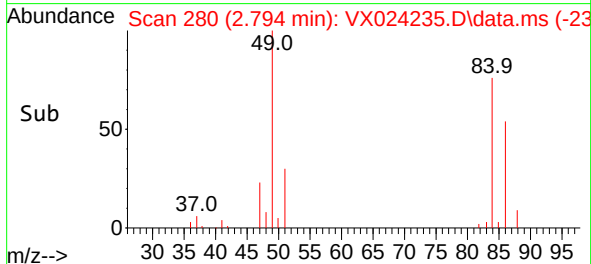
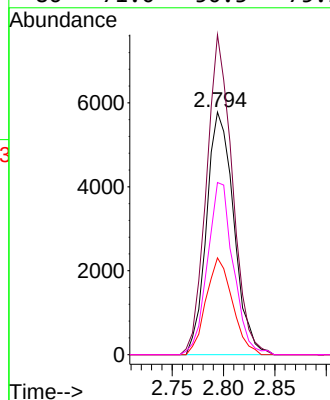
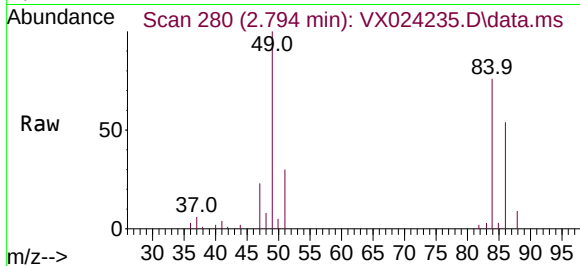




#20
Methylene Chloride
Concen: 6.949 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

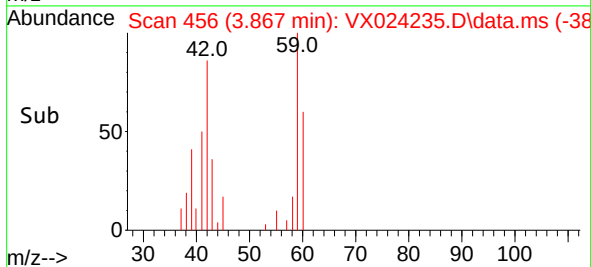
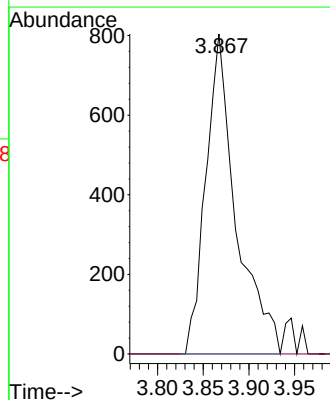
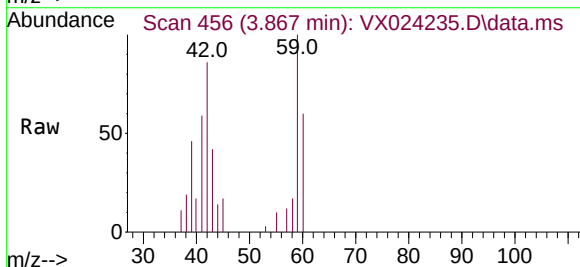
Instrument :
MSVOA_X
ClientSampleId :
31190

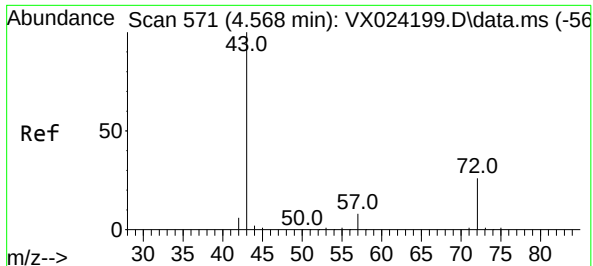
Tgt Ion:	84	Resp:	10683
Ion	Ratio	Lower	Upper
84	100		
49	132.0	88.6	132.8
51	39.9	27.0	40.6
86	71.0	50.3	75.5



#23
Vinyl Acetate
Concen: 0.525 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.134 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion:	43	Resp:	1849
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#





#25

2-Butanone

Concen: 5.516 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX024235.D

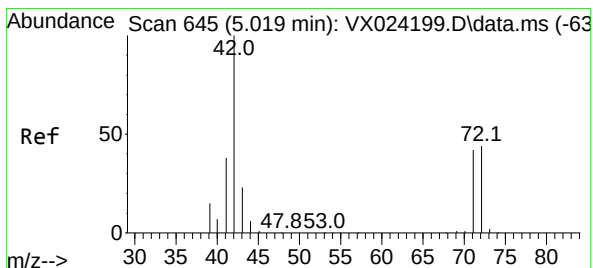
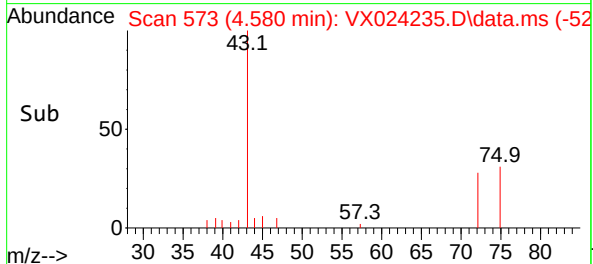
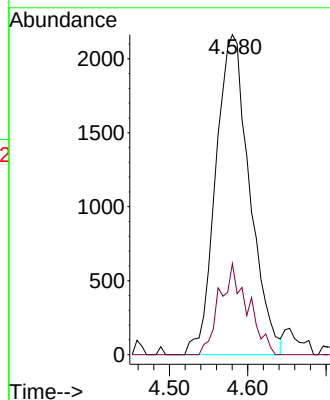
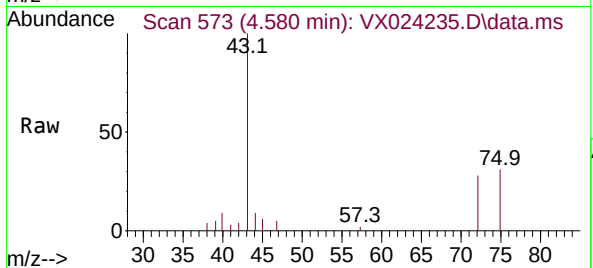
Acq: 15 Sep 2021 02:54

Tgt Ion: 43 Resp: 6504

Ion Ratio Lower Upper

43 100

72 28.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 1.951 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX024235.D

Acq: 15 Sep 2021 02:54

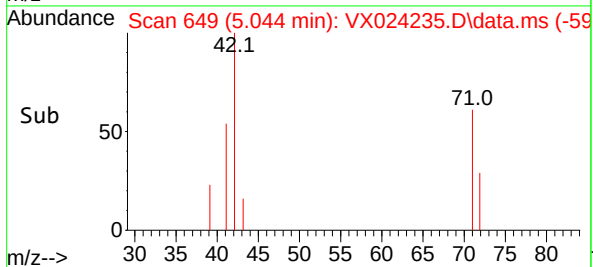
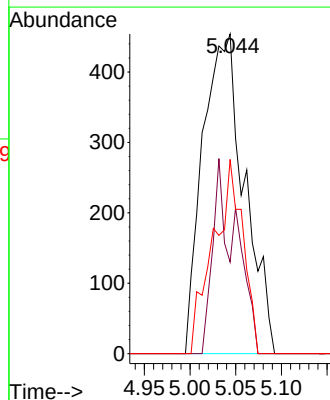
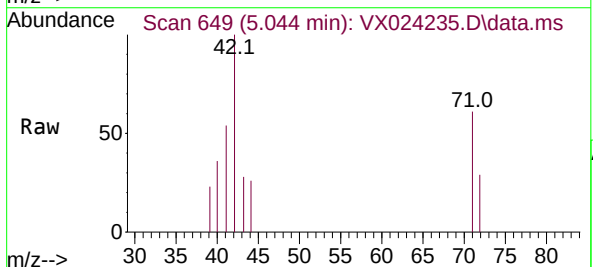
Tgt Ion: 42 Resp: 1440

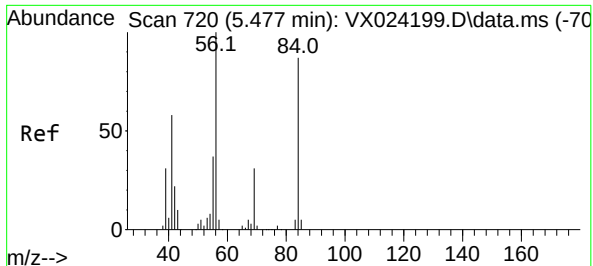
Ion Ratio Lower Upper

42 100

72 20.3 41.7 62.5#

71 43.1 38.4 57.6

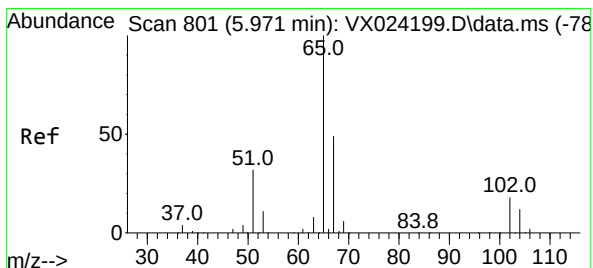
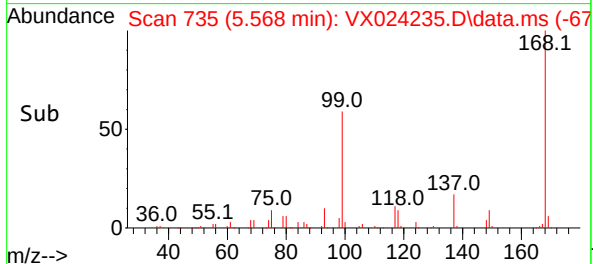
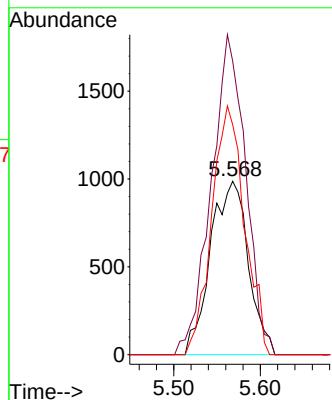
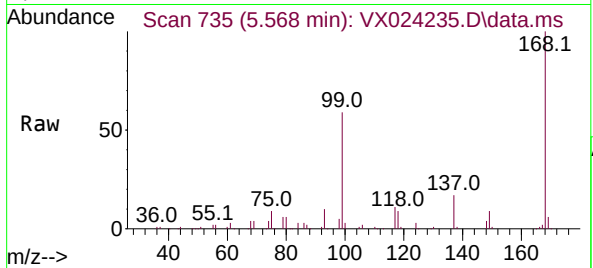




#31
Cyclohexane
Concen: 1.365 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

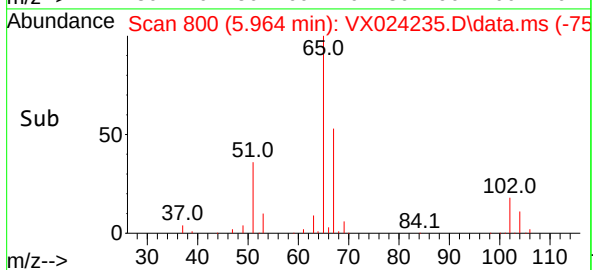
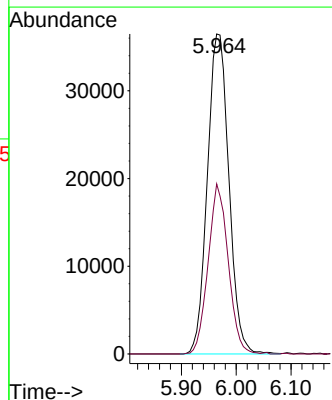
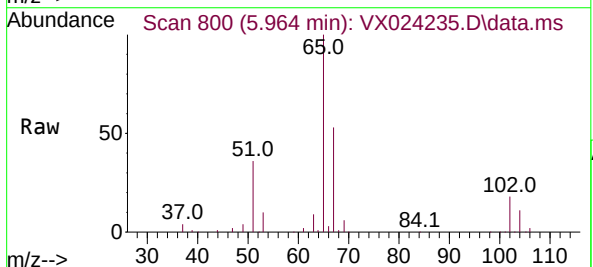
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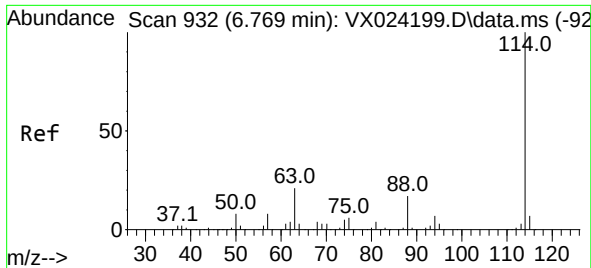
Tgt Ion: 56 Resp: 2997
Ion Ratio Lower Upper
56 100
69 169.4 25.3 37.9#
84 132.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.945 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 65 Resp: 99408
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4

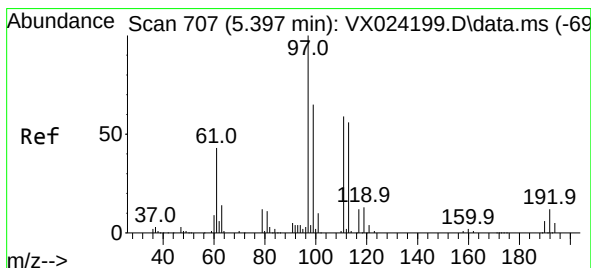
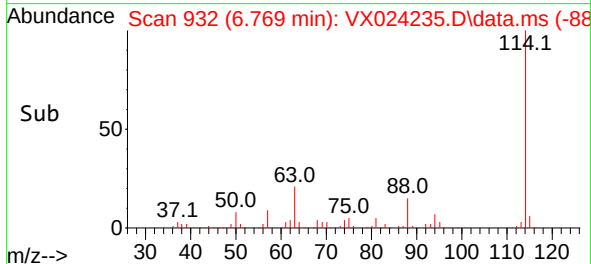
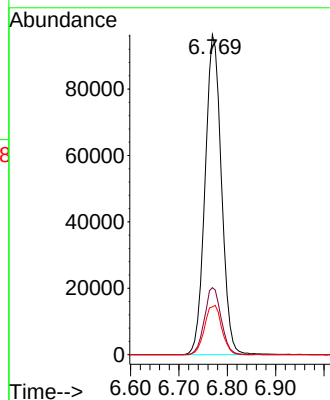
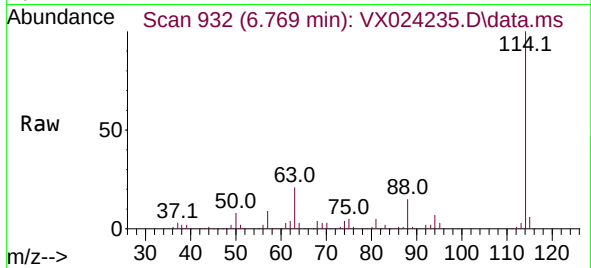




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

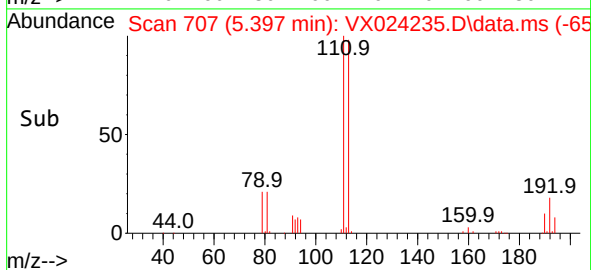
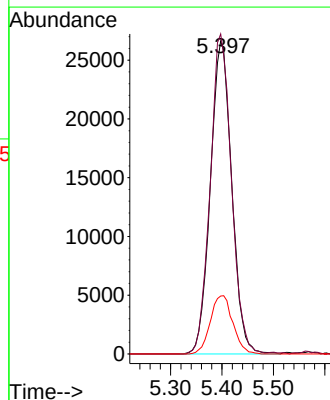
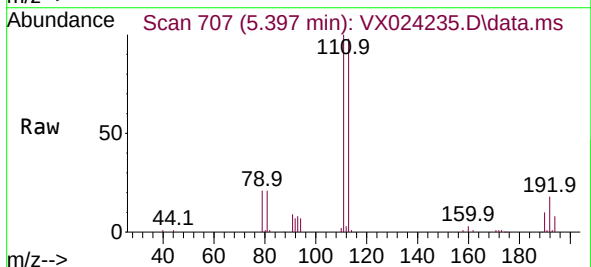
Instrument :
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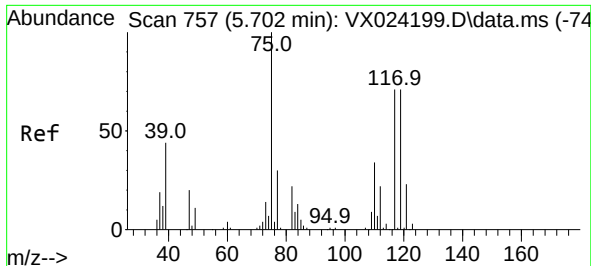
Tgt Ion:114 Resp: 226208
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.595 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion:113 Resp: 76755
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.6 16.7 25.1

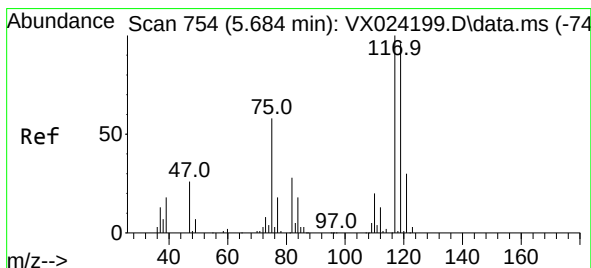
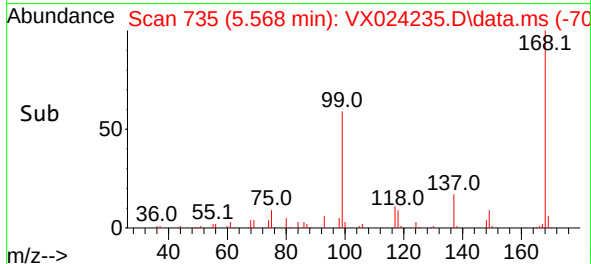
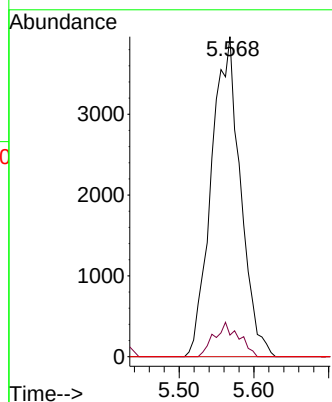
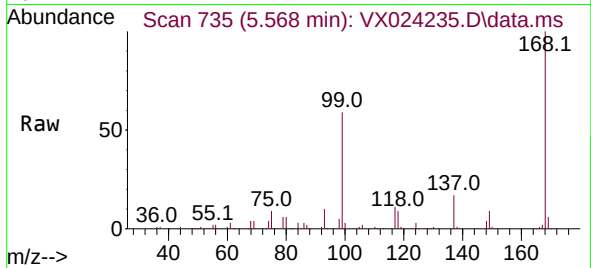




#36
1,1-Dichloropropene
Concen: 5.151 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

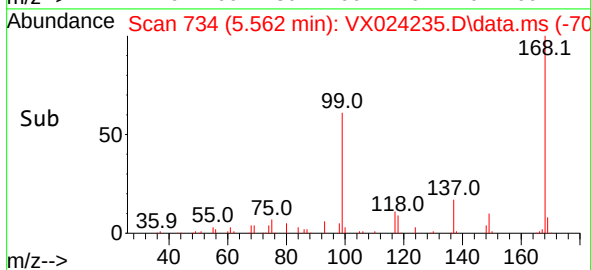
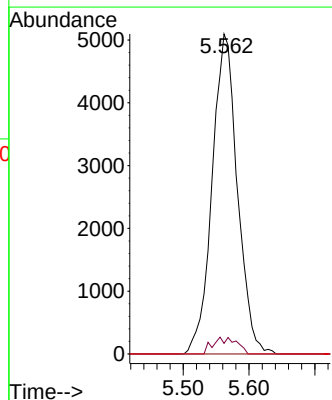
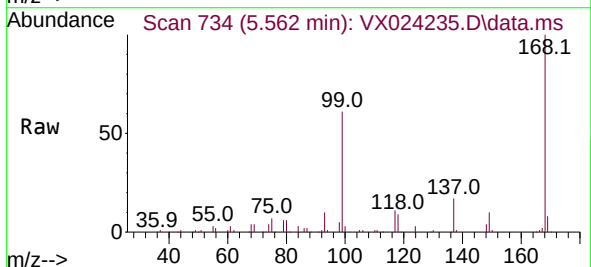
Instrument :
MSVOA_X
ClientSampleId :
31190

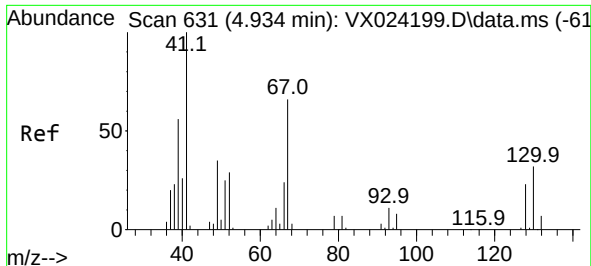
Tgt Ion: 75 Resp: 10712
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.826 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 117 Resp: 13638
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#

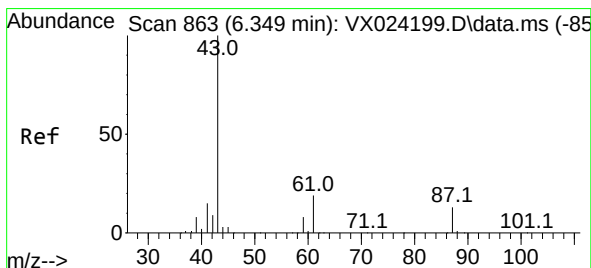
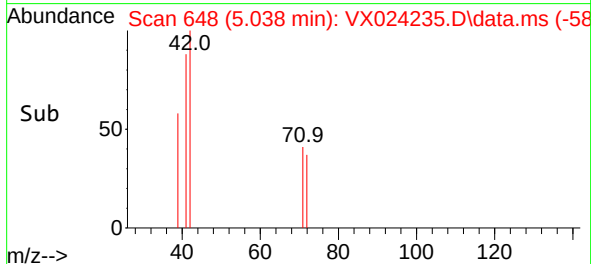
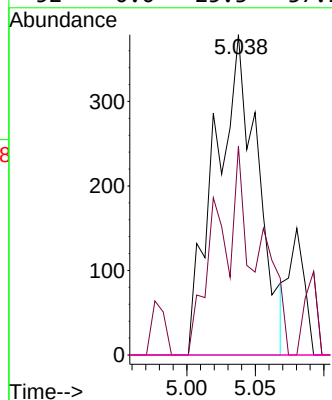
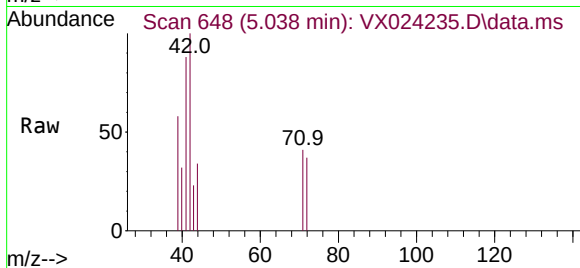




#41
Methacrylonitrile
Concen: 0.636 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

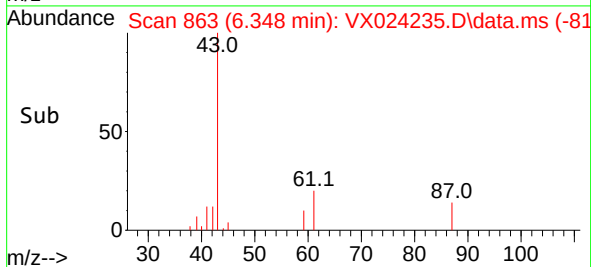
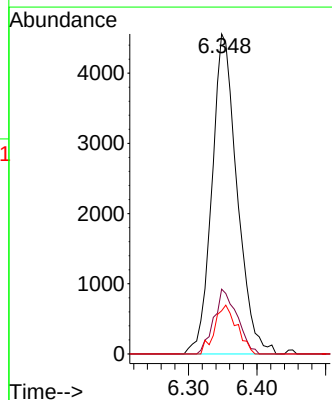
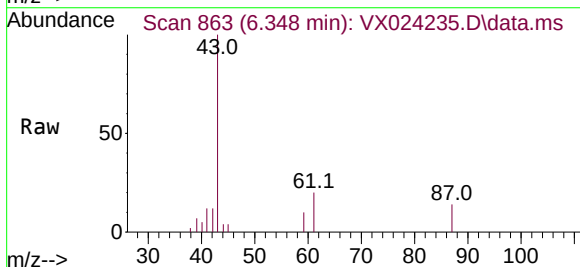
Instrument :
MSVOA_X
ClientSampleId :
31190

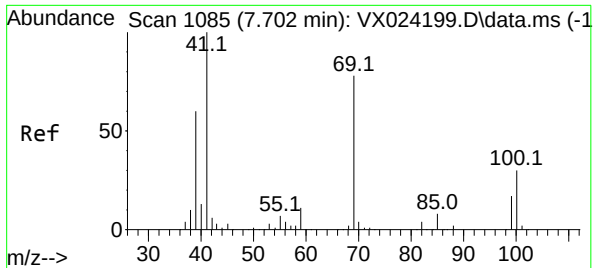
Tgt Ion:	41	Resp:	822
Ion	Ratio	Lower	Upper
41	100		
39	25.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.014 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion:	43	Resp:	11626
Ion	Ratio	Lower	Upper
43	100		
61	18.6	18.2	27.4
87	13.5	12.5	18.7

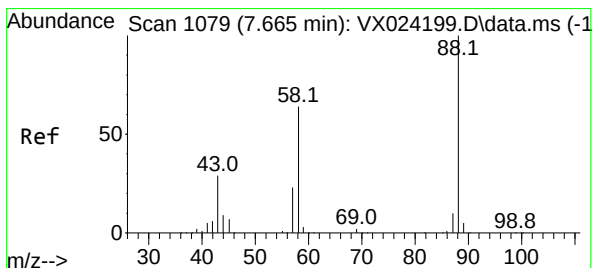
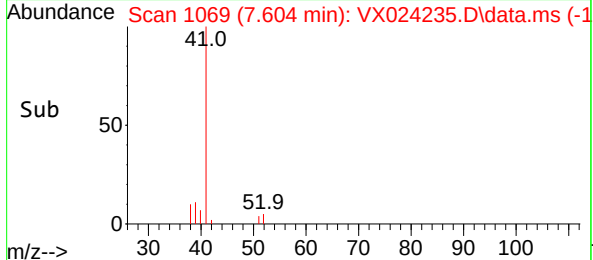
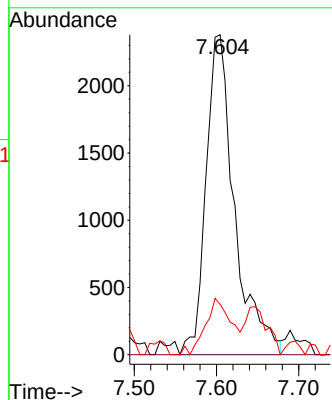
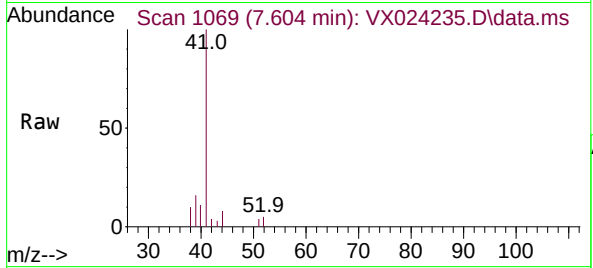




#48
Methyl methacrylate
Concen: 2.990 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

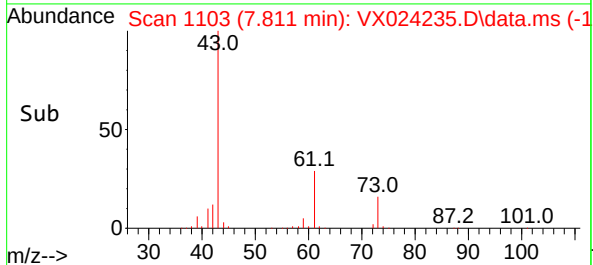
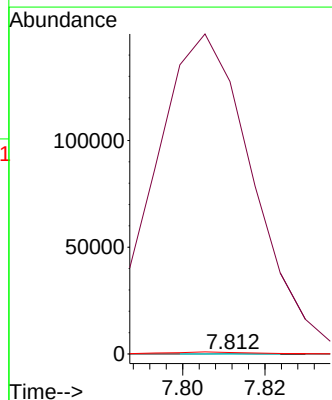
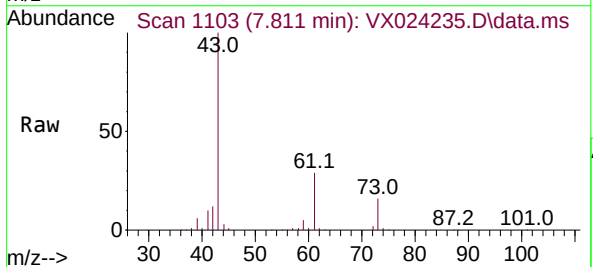
Instrument :
MSVOA_X
ClientSampled :
31190

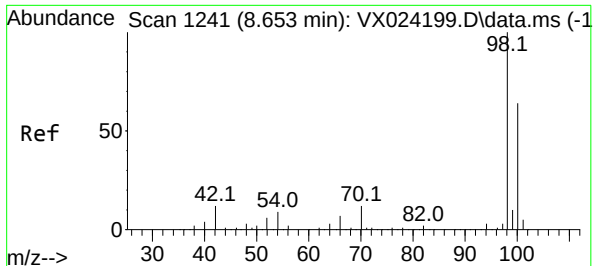
Tgt Ion: 41 Resp: 5755
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 15.9 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.471 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.146 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1349978.9 23.2 34.8#
58 7552.6 55.0 82.4#

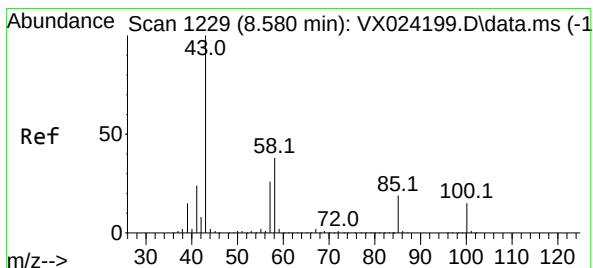
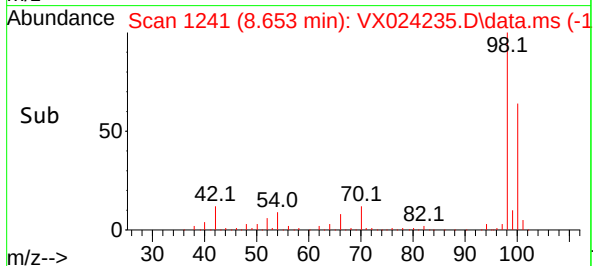
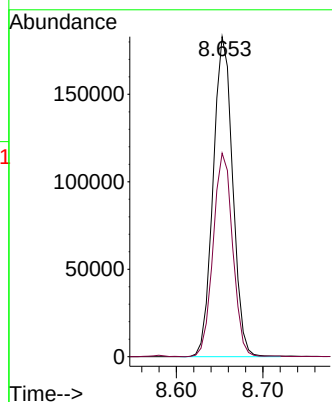
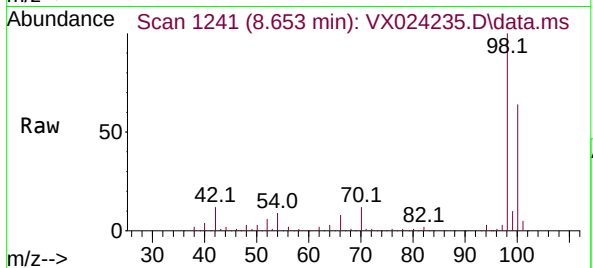




#50
Toluene-d8
Concen: 51.887 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

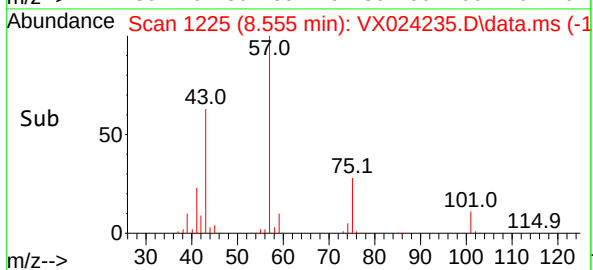
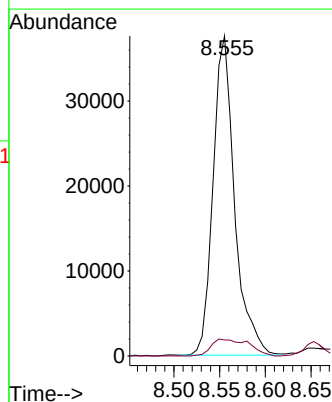
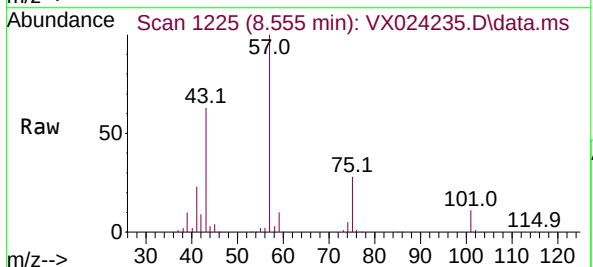
Instrument :
MSVOA_X
ClientSampled :
31190

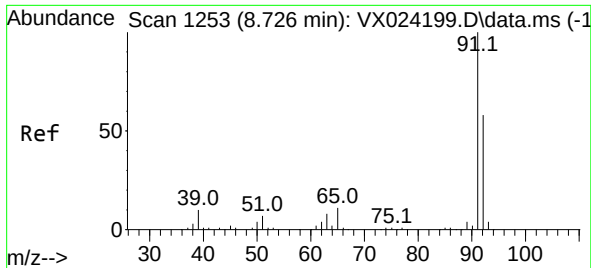
Tgt Ion: 98 Resp: 286753
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.003 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 43 Resp: 61462
Ion Ratio Lower Upper
43 100
58 9.3 35.4 53.0#

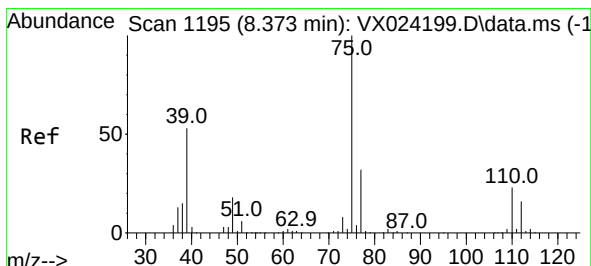
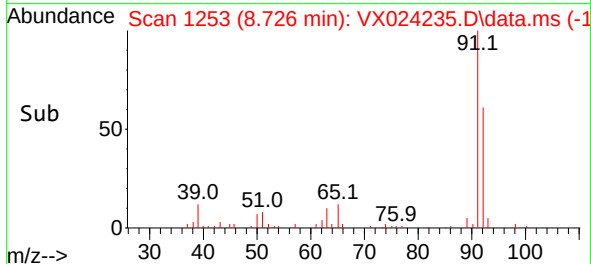
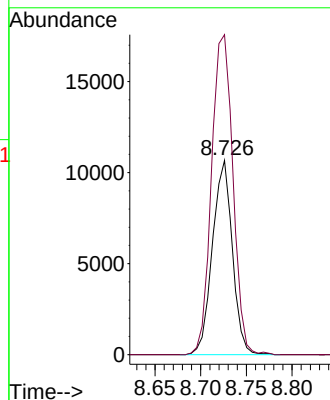
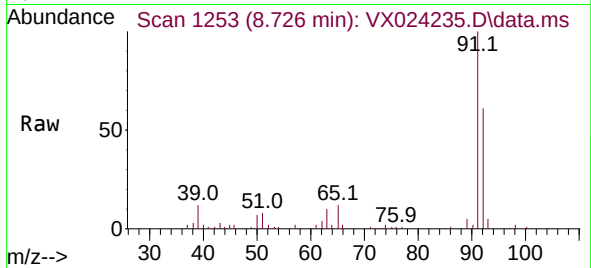




#52
Toluene
Concen: 4.136 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

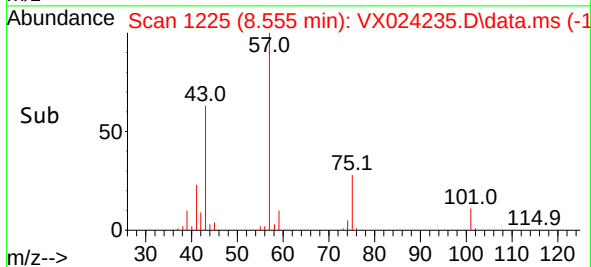
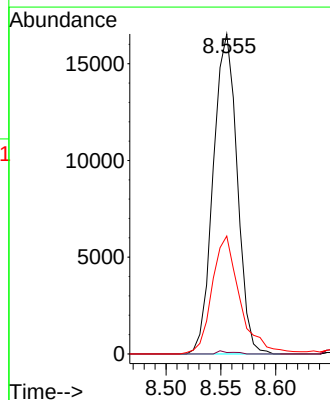
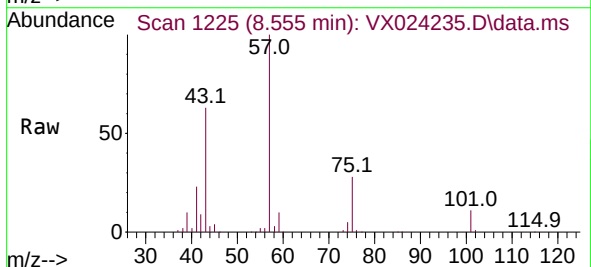
Instrument :
MSVOA_X
ClientSampled :
31190

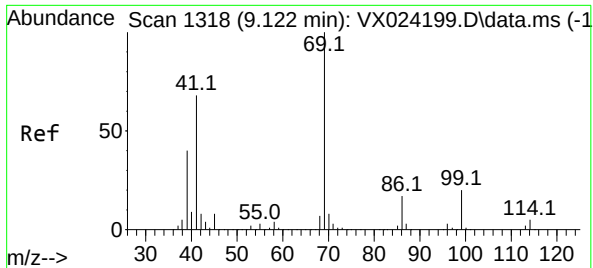
Tgt Ion: 92 Resp: 16171
Ion Ratio Lower Upper
92 100
91 176.9 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 9.991 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 75 Resp: 25126
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.8 35.1 52.7

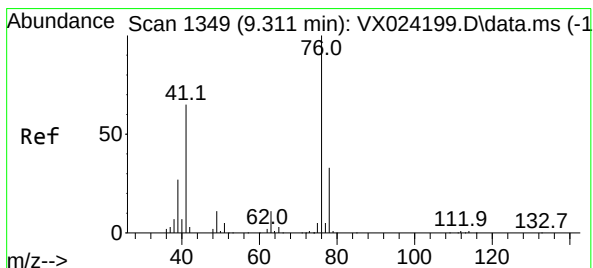
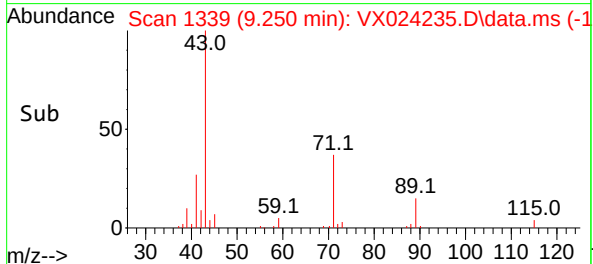
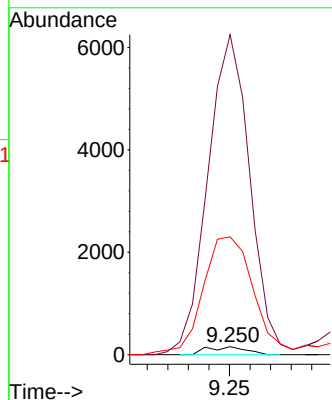
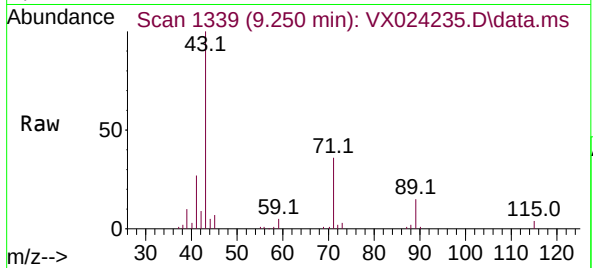




#56
Ethyl methacrylate
Concen: 1.434 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

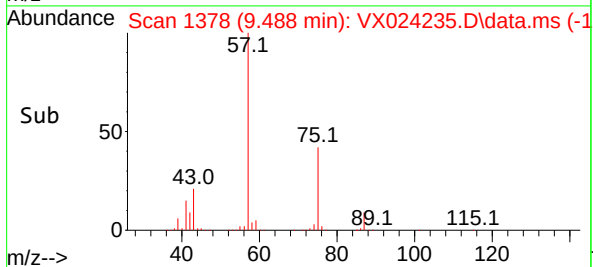
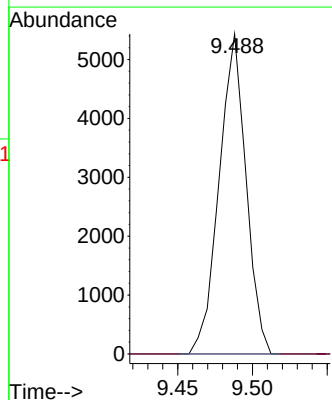
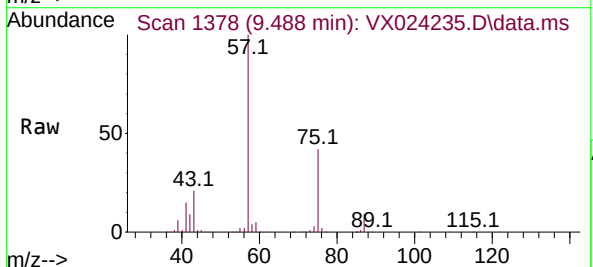
Instrument :
MSVOA_X
ClientSampled :
31190

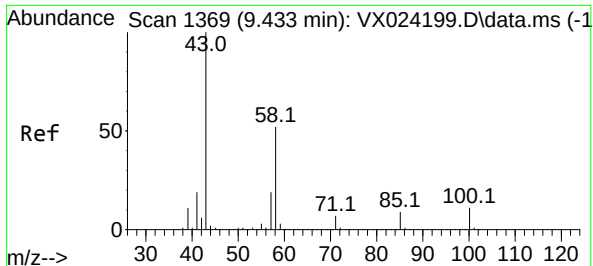
Tgt Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 4358.8 46.8 70.2#
39 1919.6 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 2.507 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 76 Resp: 6797
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

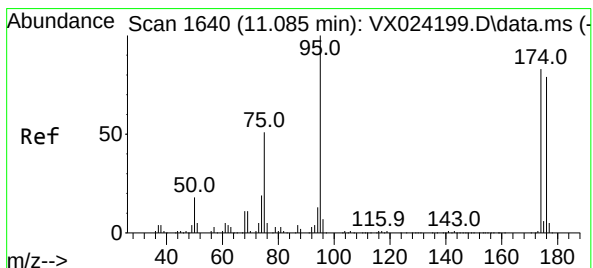
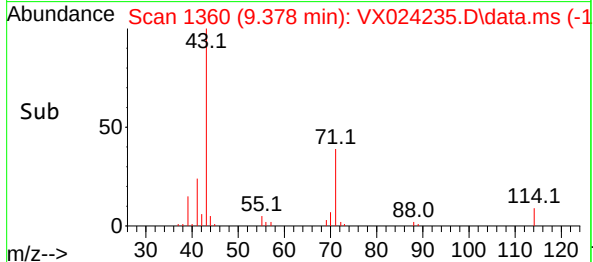
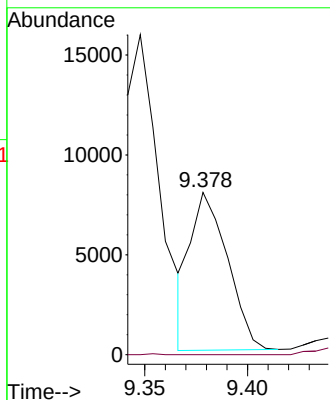
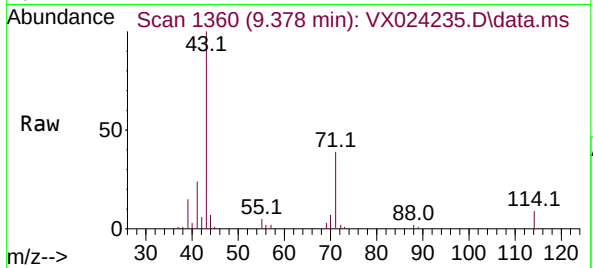




#59
2-Hexanone
Concen: 5.191 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

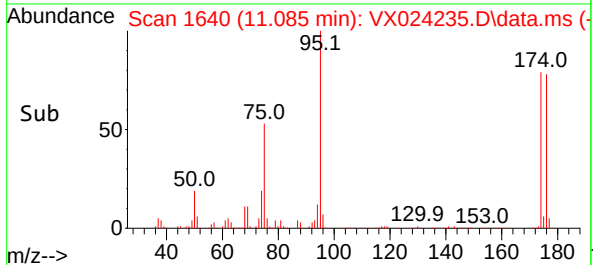
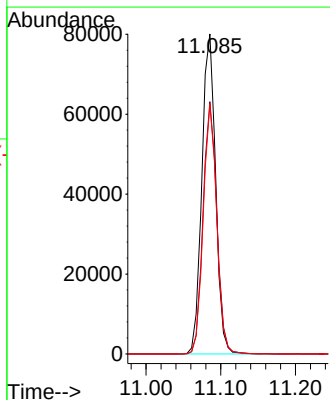
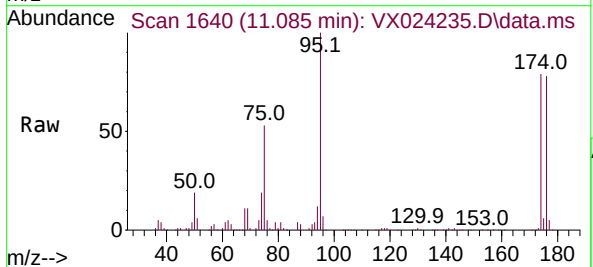
Instrument :
MSVOA_X
ClientSampleId :
31190

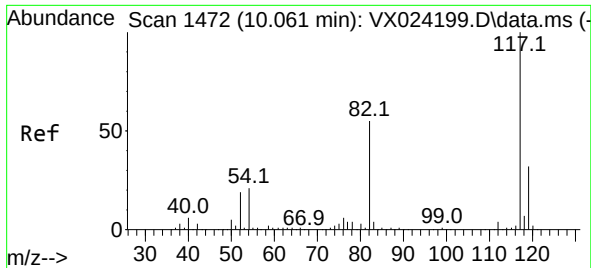
Tgt Ion: 43 Resp: 9942
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.532 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion: 95 Resp: 102230
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 76.5 0.0 155.8

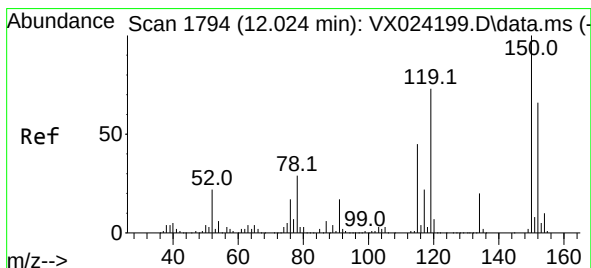
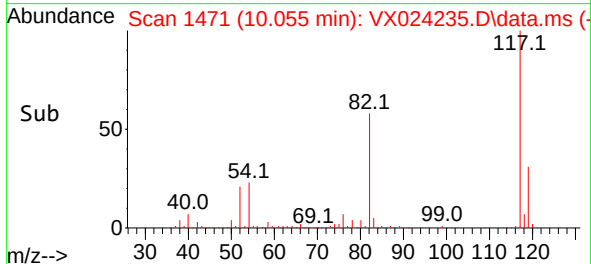
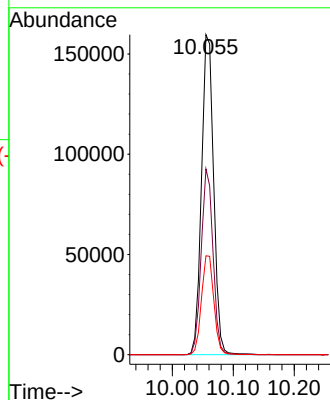
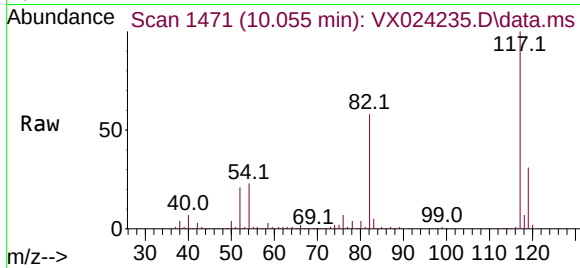




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

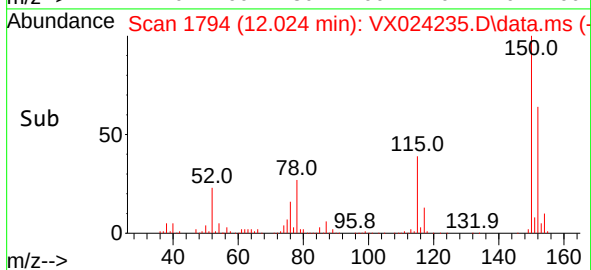
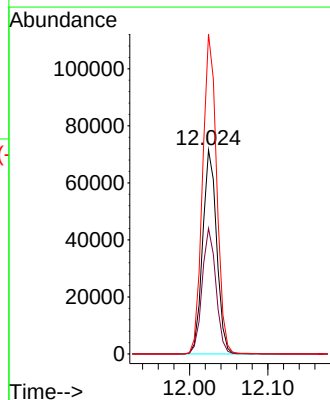
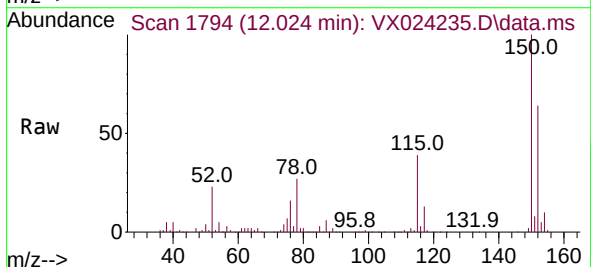
Instrument :
MSVOA_X
ClientSampleId :
31190

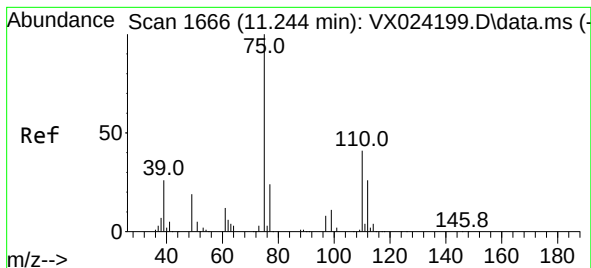
Tgt Ion:117 Resp: 221443
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024235.D
Acq: 15 Sep 2021 02:54

Tgt Ion:152 Resp: 88661
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 157.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.162 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024235.D

Acq: 15 Sep 2021 02:54

Tgt Ion: 75 Resp: 55374

Ion Ratio Lower Upper

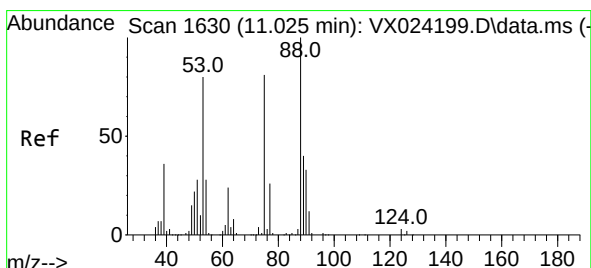
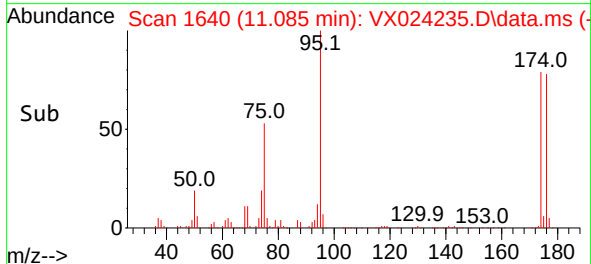
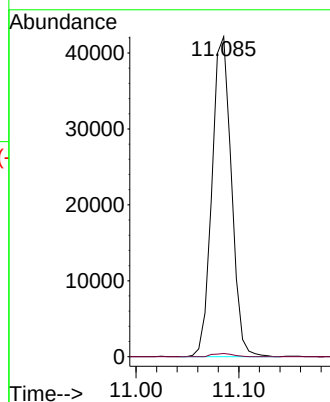
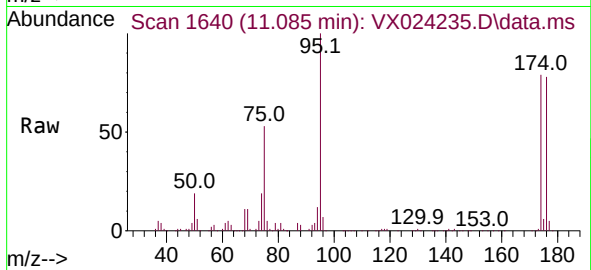
75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

31190



#81

trans-1,4-Dichloro-2-butene

Concen: 79.883 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

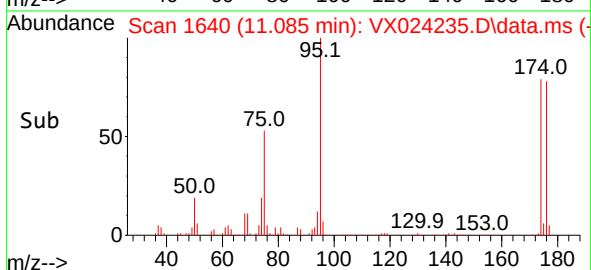
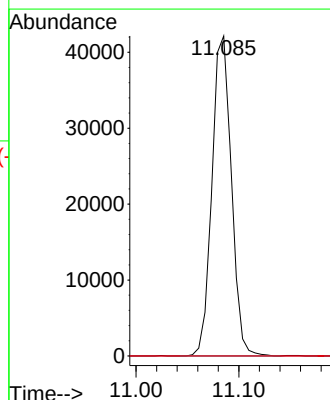
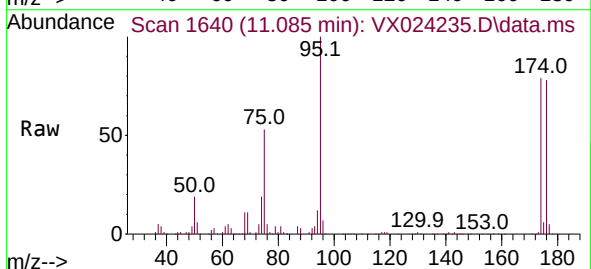
Lab File: VX024235.D

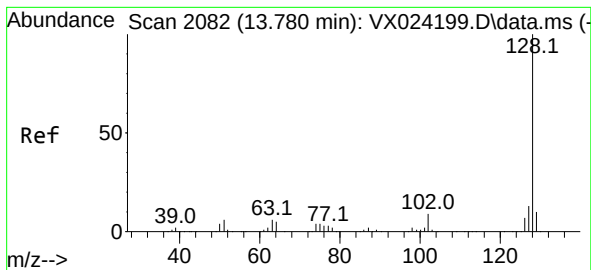
Acq: 15 Sep 2021 02:54

Tgt Ion: 75 Resp: 55374

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 1.314 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX024235.D
 Acq: 15 Sep 2021 02:54

Instrument :
 MSVOA_X
 ClientSampleId :
 31190

Tgt Ion:128 Resp: 177
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#

