

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025310.D
 Acq On : 24 Nov 2021 05:28
 Operator : JC/MD
 Sample : PB140964ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 24 09:56:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

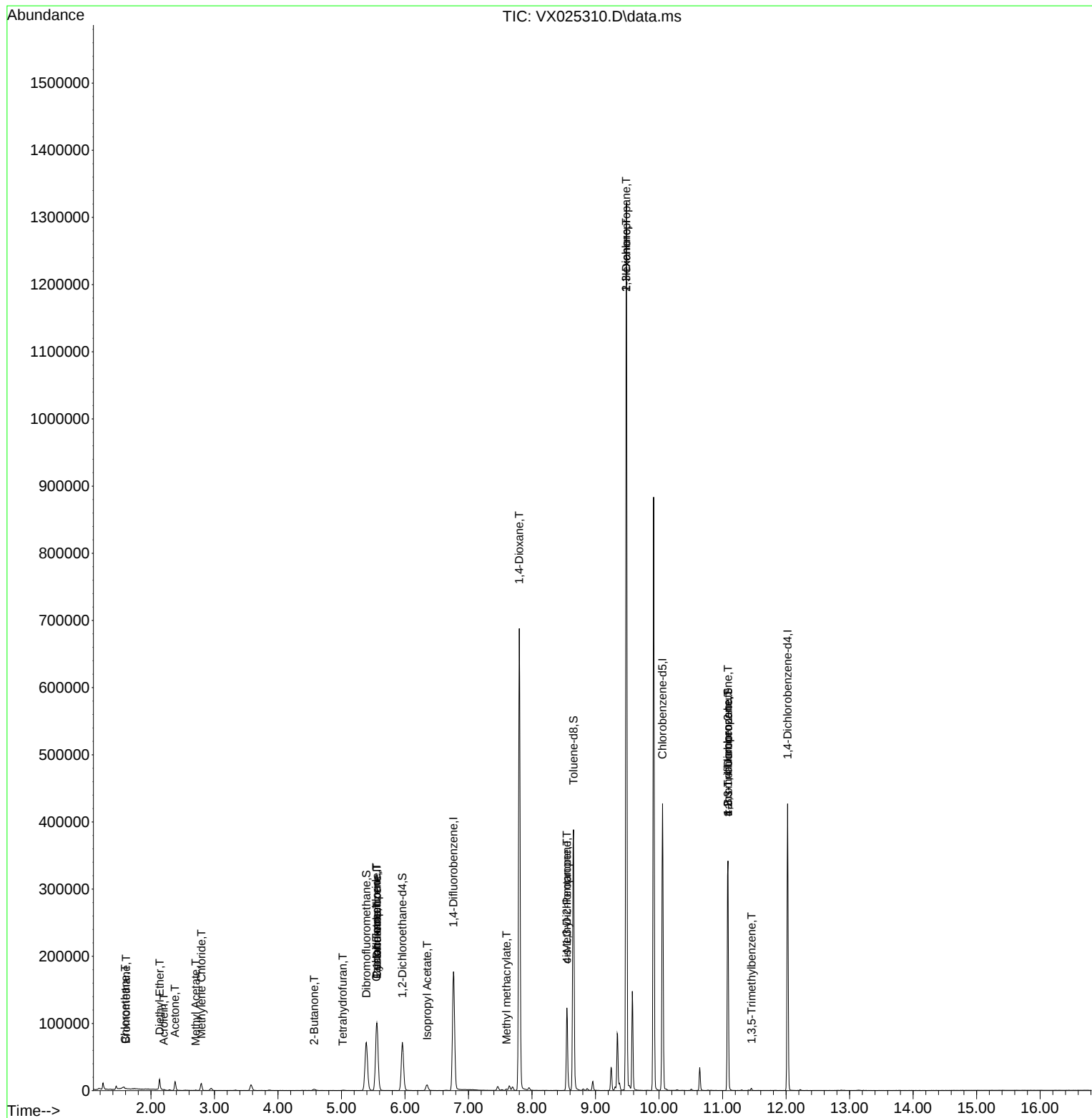
Internal Standards						
1) Pentafluorobenzene	5.556	168	106457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64566	57.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.080%			
35) Dibromofluoromethane	5.391	113	61908	52.551	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.100%			
50) Toluene-d8	8.653	98	234561	52.957	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.920%			
62) 4-Bromofluorobenzene	11.085	95	91223	54.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.880%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	295	0.547	ug/l	86
6) Chloroethane	1.593	64	281	0.325	ug/l #	78
8) Diethyl Ether	2.136	74	5033	6.550	ug/l	91
11) Tert butyl alcohol	2.946	59	2069	Below Cal	#	72
13) Acrolein	2.203	56	22	0.428	ug/l #	13
16) Acetone	2.379	43	13419	21.521	ug/l	100
18) Methyl Acetate	2.703	43	878	0.441	ug/l #	79
20) Methylene Chloride	2.794	84	4520	3.856	ug/l	97
25) 2-Butanone	4.568	43	2766	3.068	ug/l #	85
29) Tetrahydrofuran	5.019	42	567	1.016	ug/l #	63
31) Cyclohexane	5.556	56	1799	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7028	4.195	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9867	5.348	ug/l #	18
43) Isopropyl Acetate	6.348	43	12091	3.812	ug/l	99
48) Methyl methacrylate	7.598	41	3221	2.164	ug/l #	14
49) 1,4-Dioxane	7.799	88	47	1.495	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41758	20.996	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20406	9.521	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	11922	5.463	ug/l #	42
59) 2-Hexanone	9.482	43	153955	98.187	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	43754	23.153	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1717	0.311	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	43754	58.325	ug/l #	9
95) Naphthalene	13.786	128	295	Below Cal	#	69

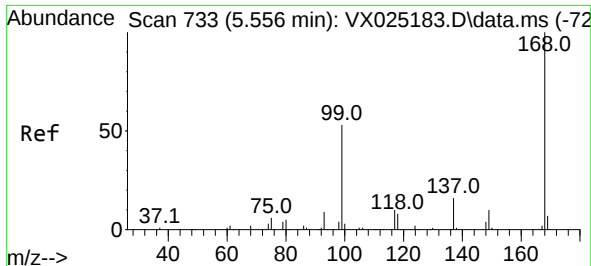
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
Data File : VX025310.D
Acq On : 24 Nov 2021 05:28
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Sample : PB140964ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

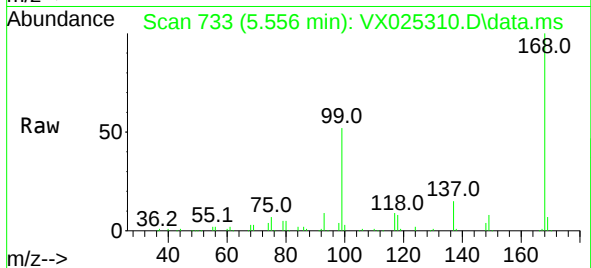
Quant Time: Nov 24 09:56:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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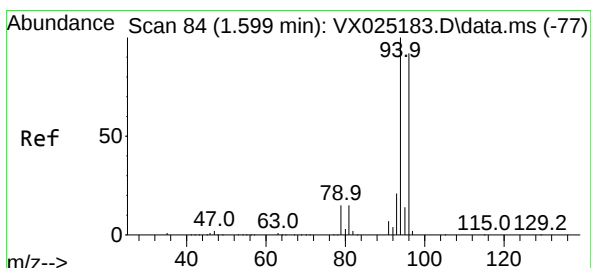
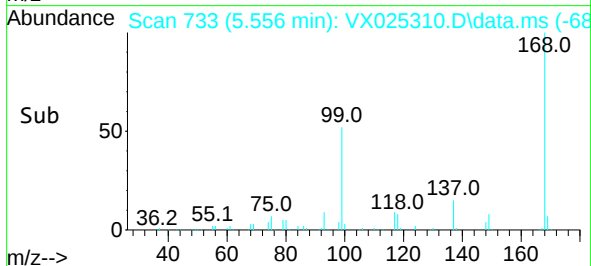
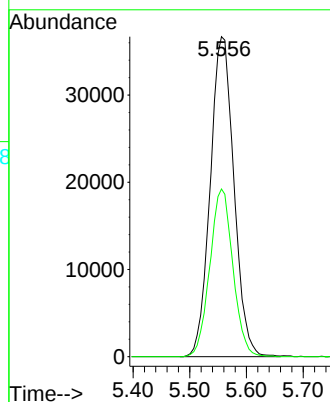


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Instrument :
MSVOA_X
ClientSampleId :

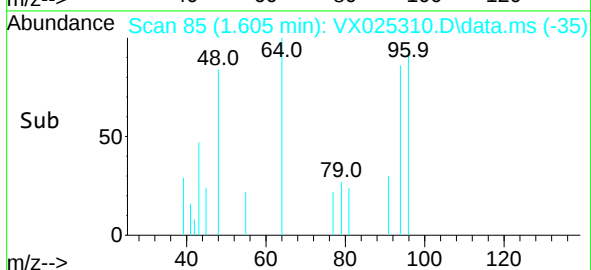
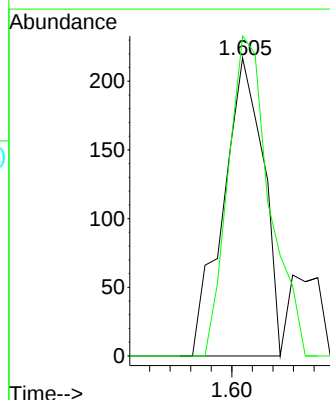
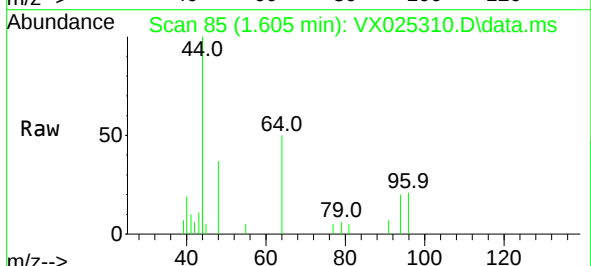


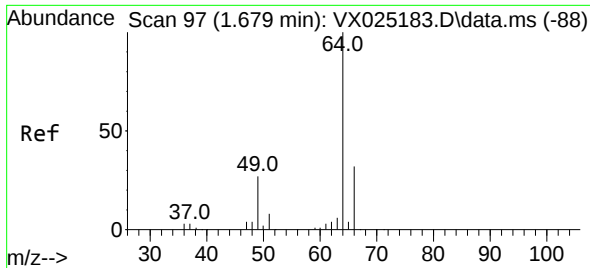
Tgt Ion:168 Resp: 106457
Ion Ratio Lower Upper
168 100
99 52.4 46.4 69.6



#5
Bromomethane
Concen: 0.547 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

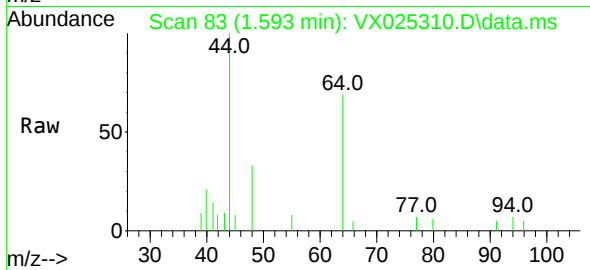
Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 107.4 74.8 112.2



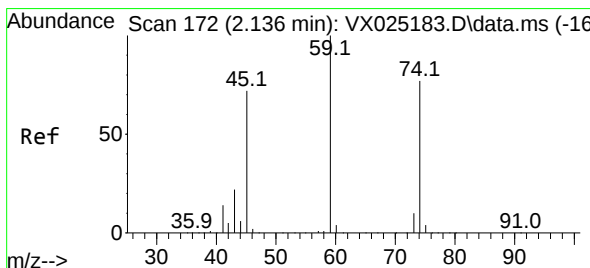
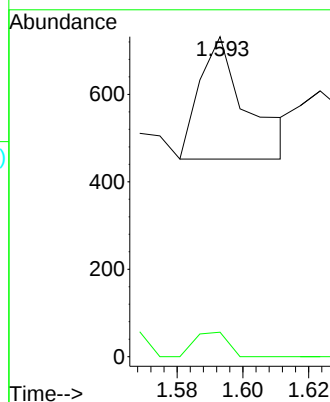
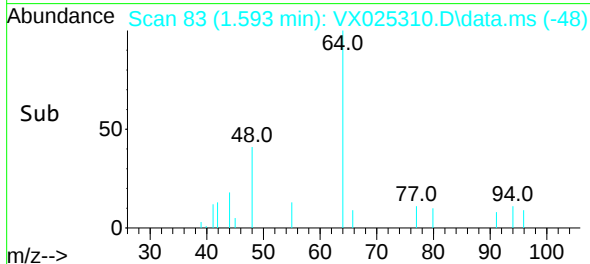


#6
Chloroethane
Concen: 0.325 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.086 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Instrument :
MSVOA_X
ClientSampleId :

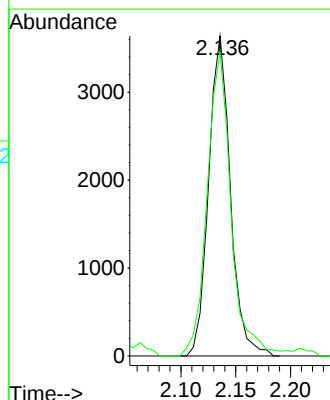
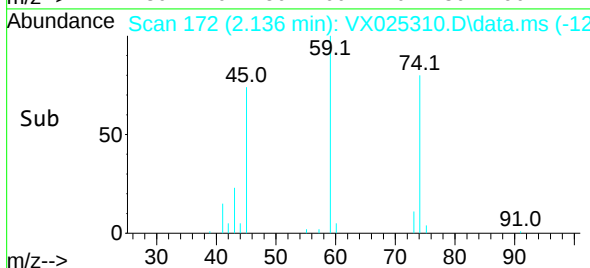
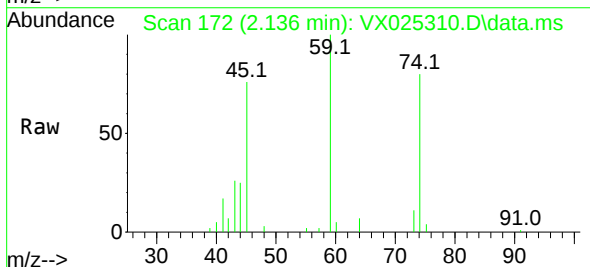


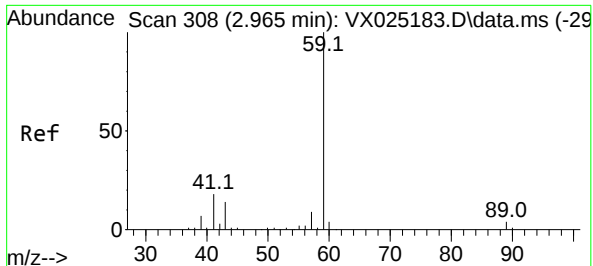
Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 20.0 25.6 38.4#



#8
Diethyl Ether
Concen: 6.550 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Tgt Ion: 74 Resp: 5033
Ion Ratio Lower Upper
74 100
45 103.7 47.6 142.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Instrument :

MSVOA_X

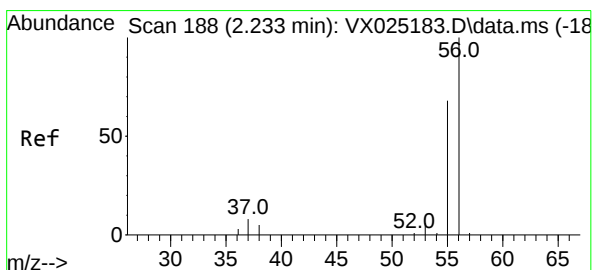
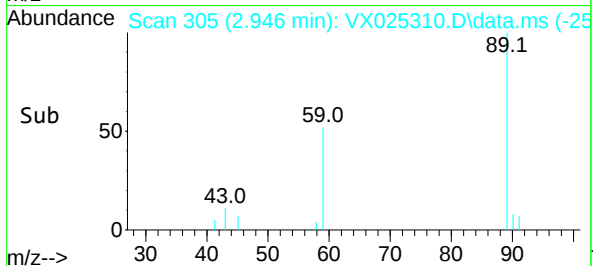
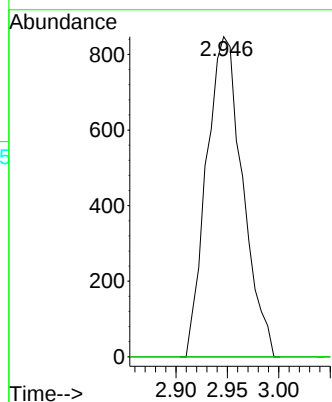
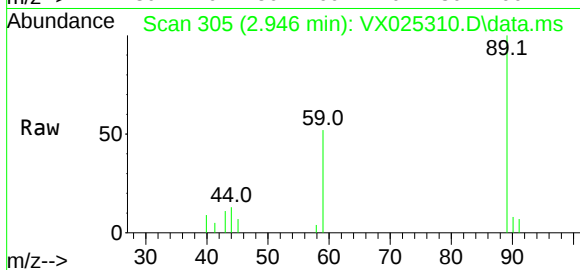
ClientSampleId :

Tgt Ion: 59 Resp: 2069

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.428 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.030 min

Lab File: VX025310.D

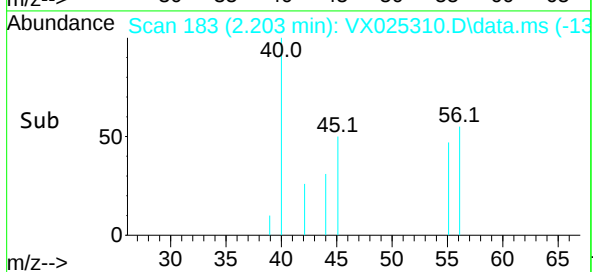
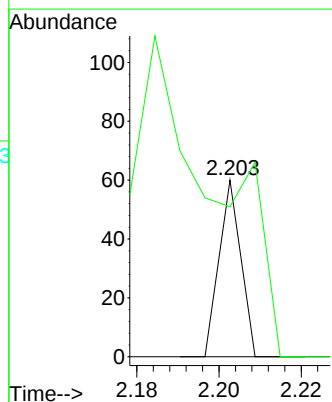
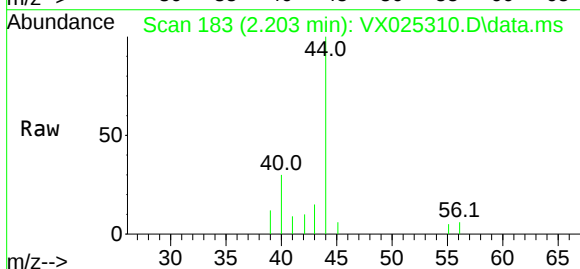
Acq: 24 Nov 2021 05:28

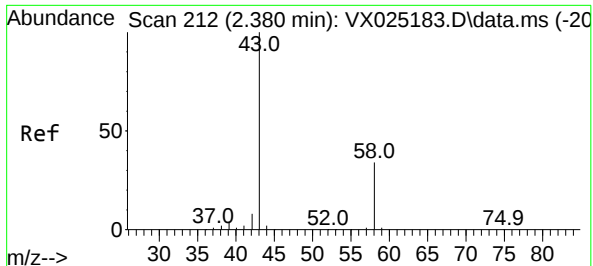
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

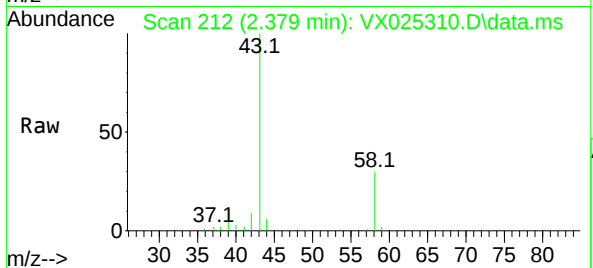
55 0.0 58.6 87.8#



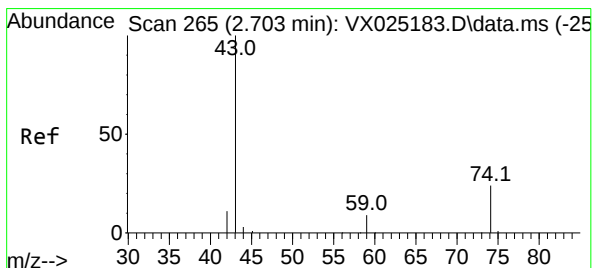
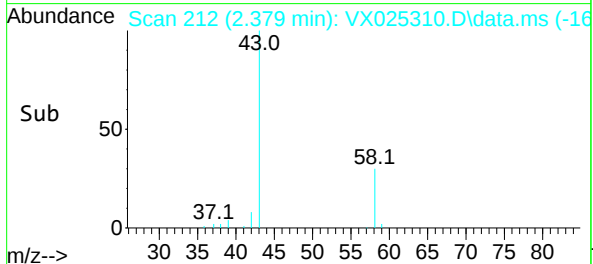
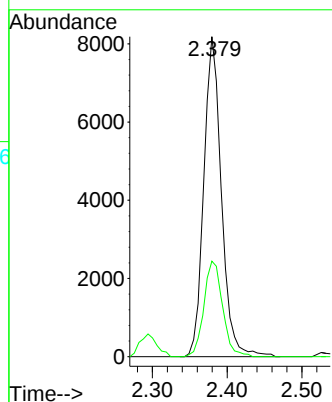


#16
Acetone
Concen: 21.521 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Instrument :
MSVOA_X
ClientSampleId :

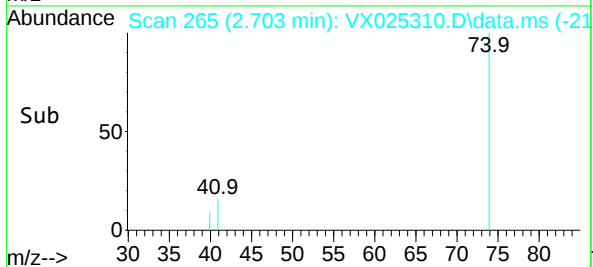
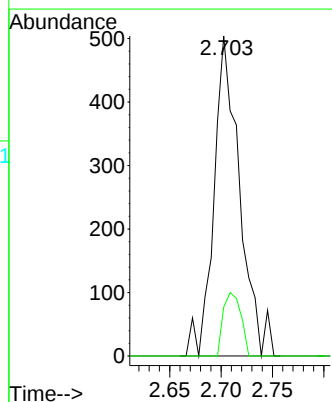
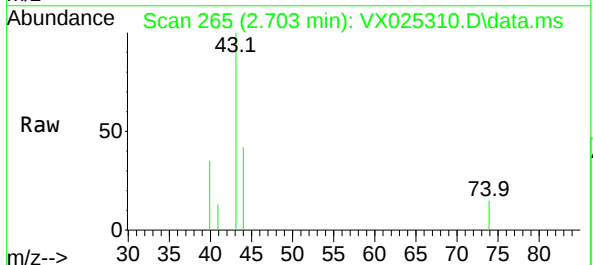


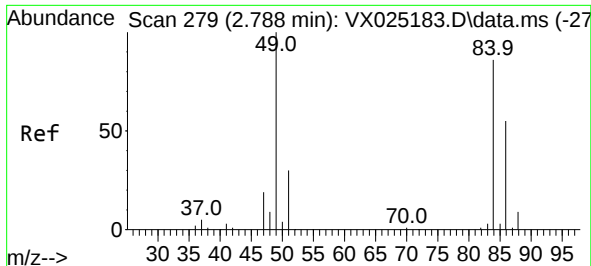
Tgt Ion: 43 Resp: 13419
Ion Ratio Lower Upper
43 100
58 29.8 24.0 36.0



#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

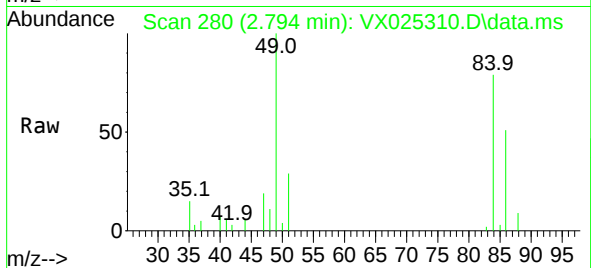
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
74 13.6 19.0 28.6#



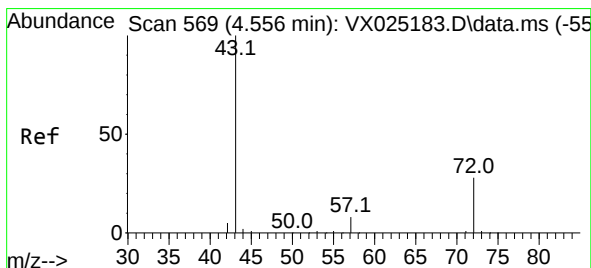
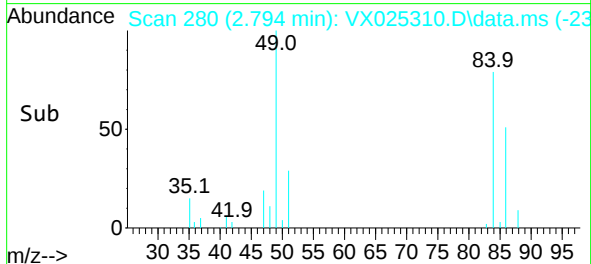
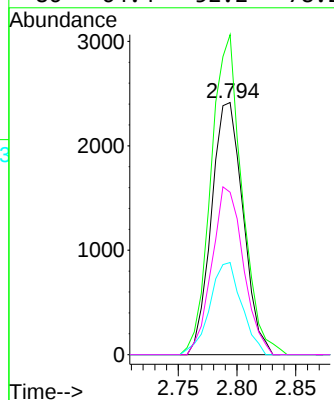


#20
Methylene Chloride
Concen: 3.856 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Instrument :
MSVOA_X
ClientSampleId :

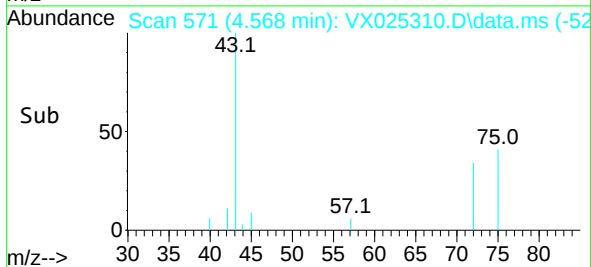
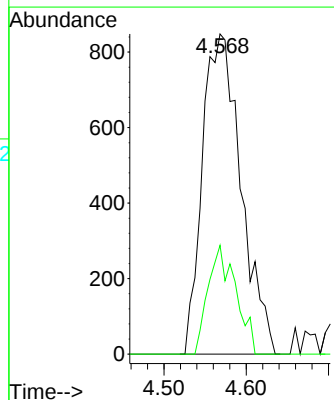
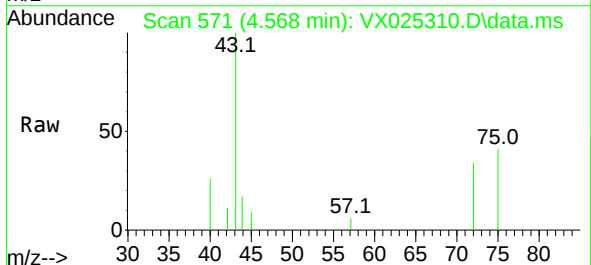


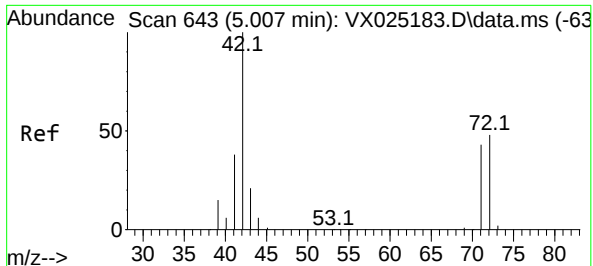
Tgt Ion:	84	Resp:	4520
Ion	Ratio	Lower	Upper
84	100		
49	126.9	98.2	147.2
51	36.5	30.2	45.4
86	64.4	52.2	78.2



#25
2-Butanone
Concen: 3.068 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Tgt Ion:	43	Resp:	2766
Ion	Ratio	Lower	Upper
43	100		
72	34.0	21.2	31.8#





#29

Tetrahydrofuran

Concen: 1.016 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

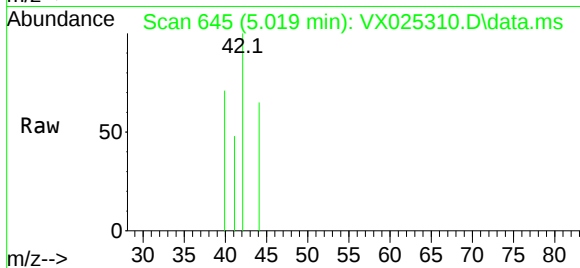
Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

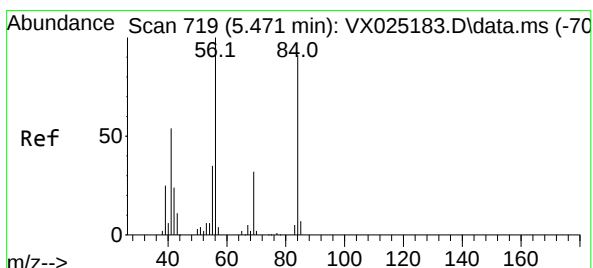
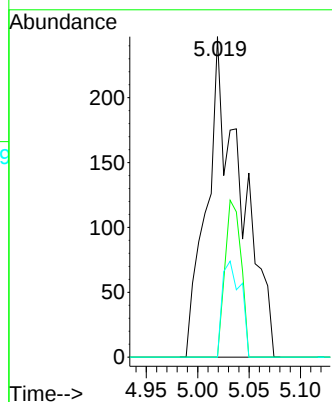
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	567
Ion	Ratio	Lower	Upper
42	100		
72	23.1	36.1	54.1#
71	16.0	33.7	50.5#



#31

Cyclohexane

Concen: 1.037 ug/l

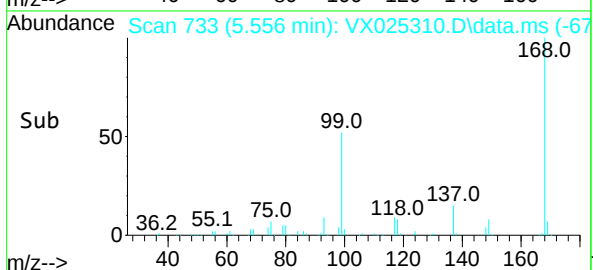
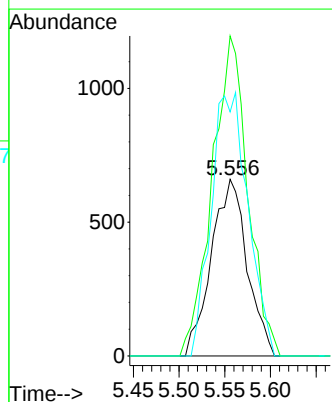
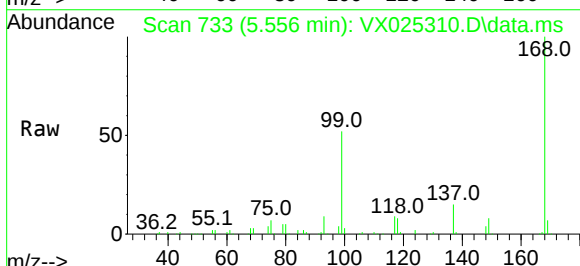
RT: 5.556 min Scan# 733

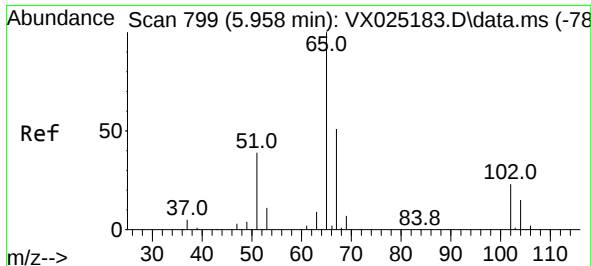
Delta R.T. 0.085 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Tgt Ion:	56	Resp:	1799
Ion	Ratio	Lower	Upper
56	100		
69	181.2	24.2	36.2#
84	138.2	71.5	107.3#

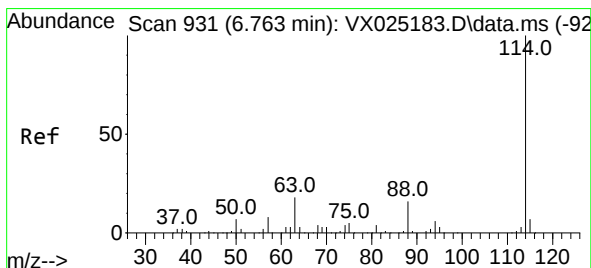
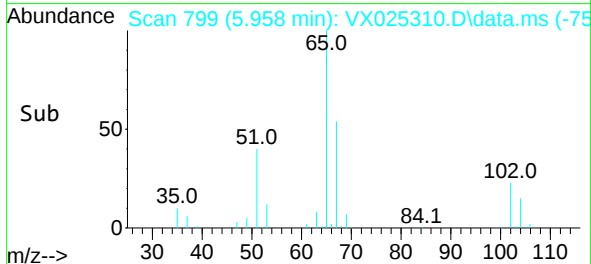
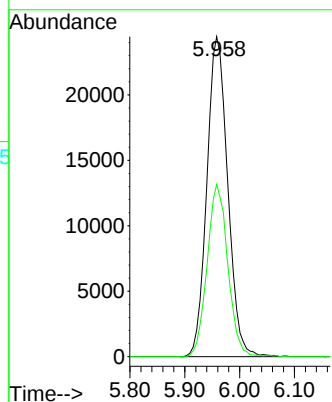
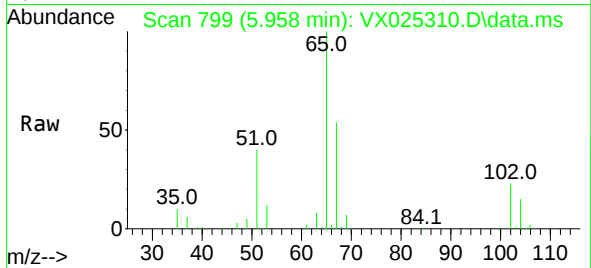




#33
 1,2-Dichloroethane-d4
 Concen: 57.539 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX025310.D
 Acq: 24 Nov 2021 05:28

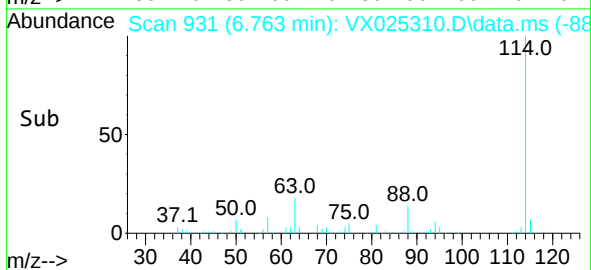
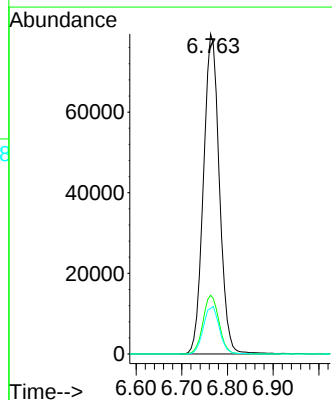
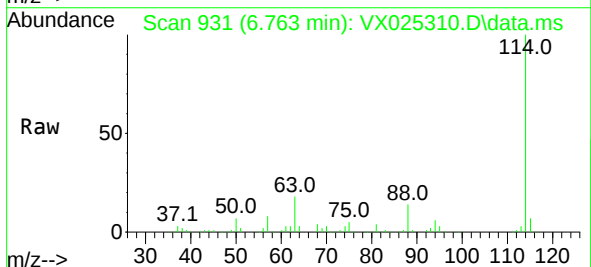
Instrument :
 MSVOA_X
 ClientSampleId :

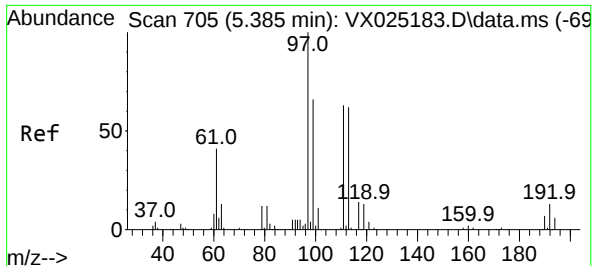
Tgt Ion: 65 Resp: 64566
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025310.D
 Acq: 24 Nov 2021 05:28

Tgt Ion: 114 Resp: 192000
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 41.0
 88 14.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.551 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

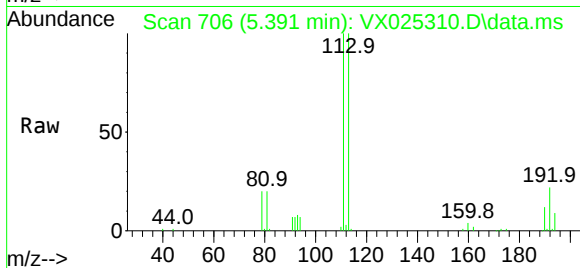
Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Instrument :

MSVOA_X

ClientSampleId :



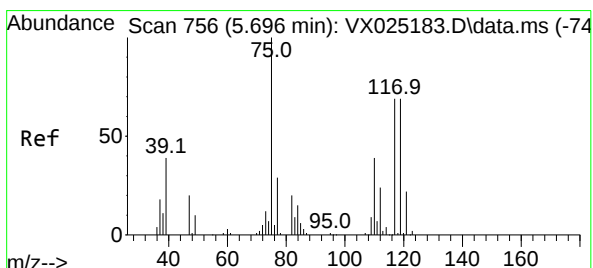
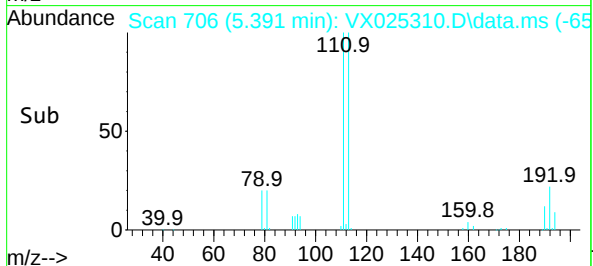
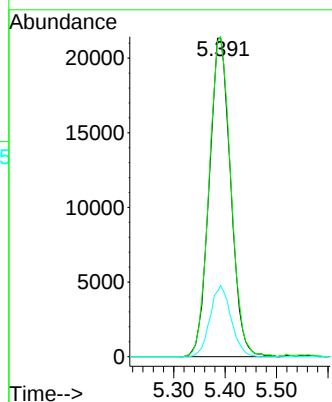
Tgt Ion:113 Resp: 61908

Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 21.8 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.195 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

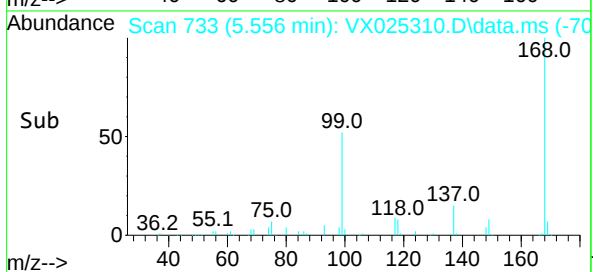
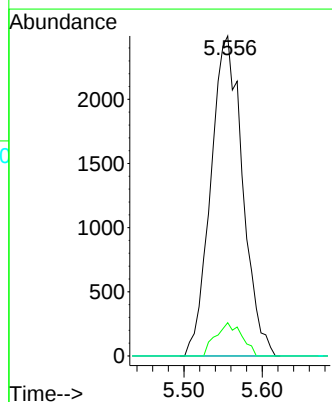
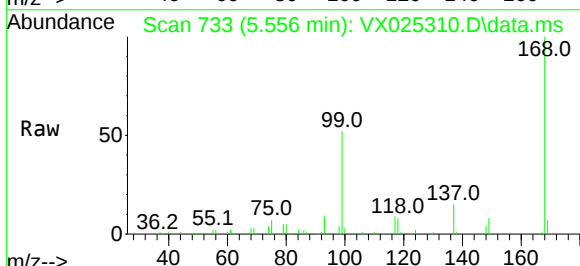
Tgt Ion: 75 Resp: 7028

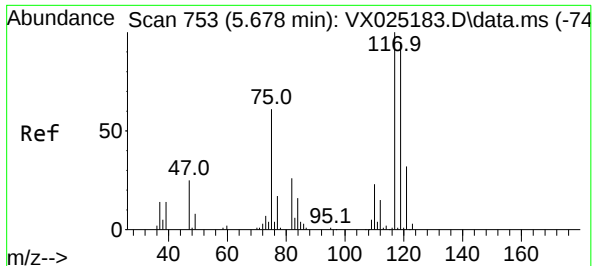
Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

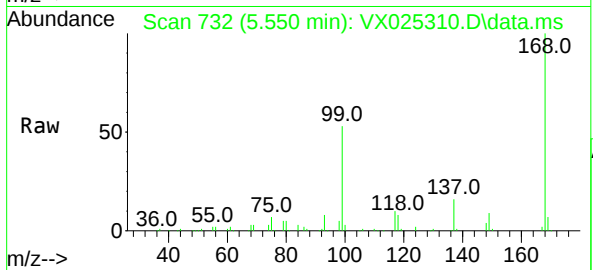
77 0.0 24.4 36.6#



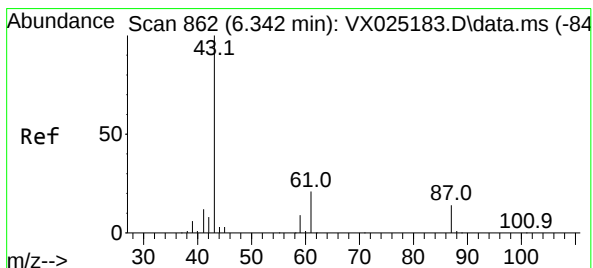
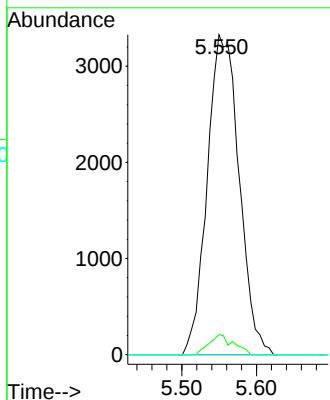
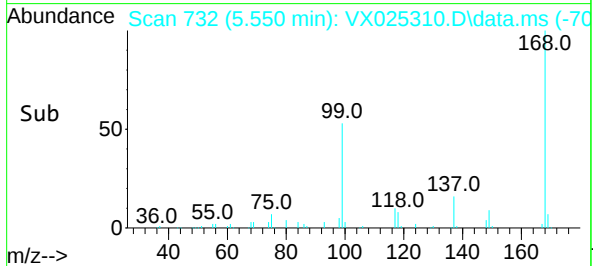


#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

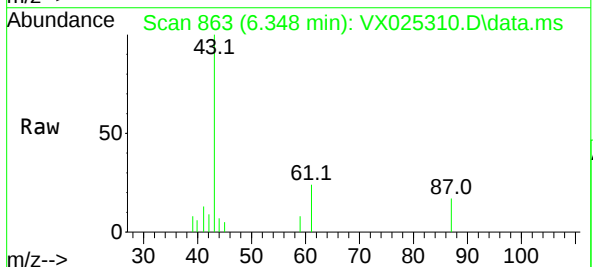
Instrument :
MSVOA_X
ClientSampleId :



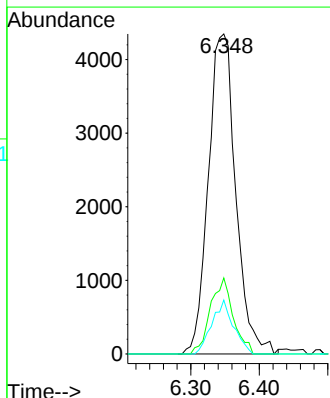
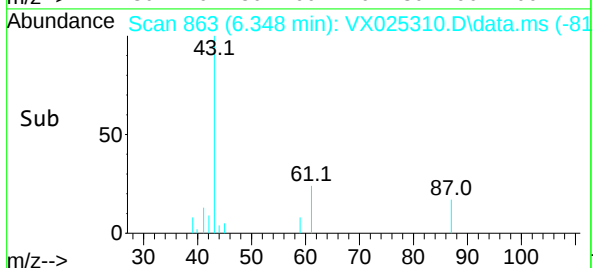
Tgt Ion:117 Resp: 9867
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 23.7 35.5#

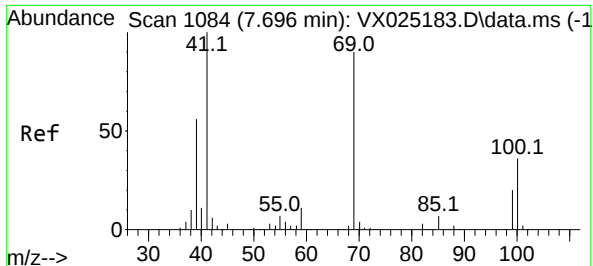


#43
Isopropyl Acetate
Concen: 3.812 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28



Tgt Ion: 43 Resp: 12091
Ion Ratio Lower Upper
43 100
61 19.7 15.3 22.9
87 13.3 10.9 16.3





#48

Methyl methacrylate

Concen: 2.164 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Instrument :

MSVOA_X

ClientSampleId :

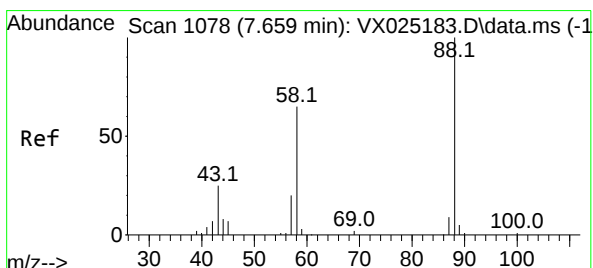
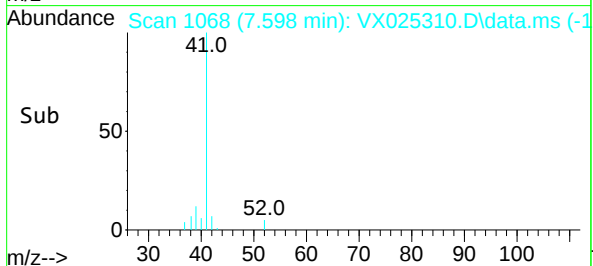
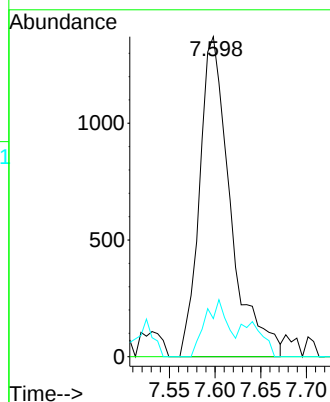
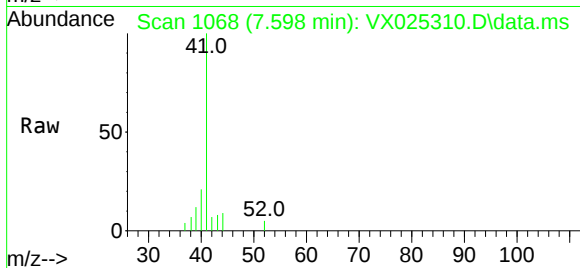
Tgt Ion: 41 Resp: 3221

Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 0.0 46.9 70.3#



#49

1,4-Dioxane

Concen: 1.495 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

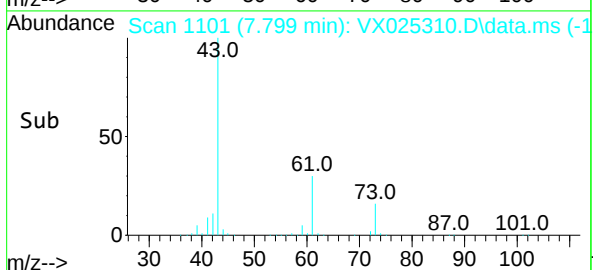
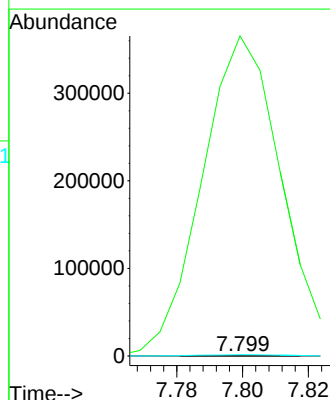
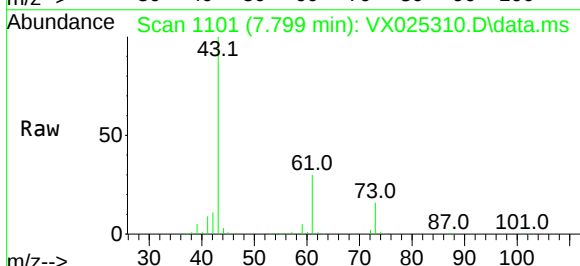
Tgt Ion: 88 Resp: 47

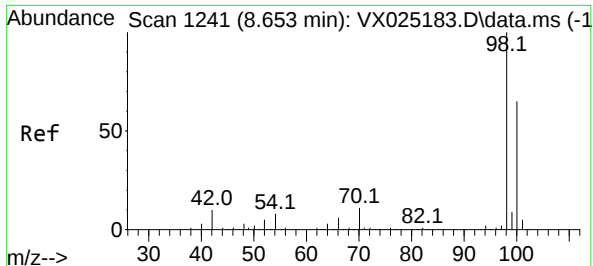
Ion Ratio Lower Upper

88 100

43 1325429.8 27.0 40.6#

58 5438.3 55.2 82.8#





#50

Toluene-d8

Concen: 52.957 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Instrument :

MSVOA_X

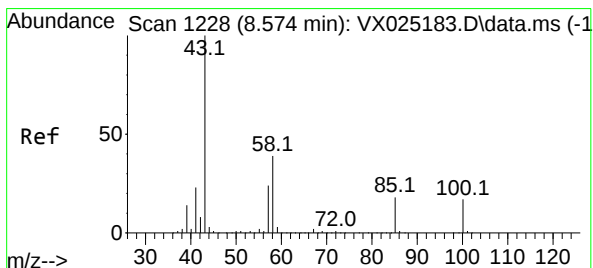
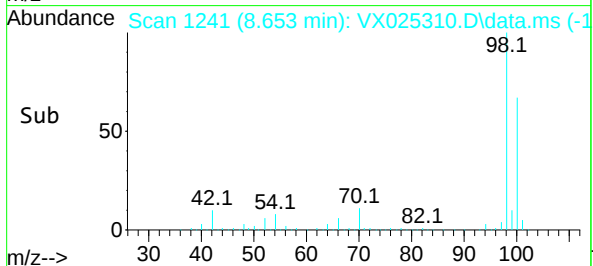
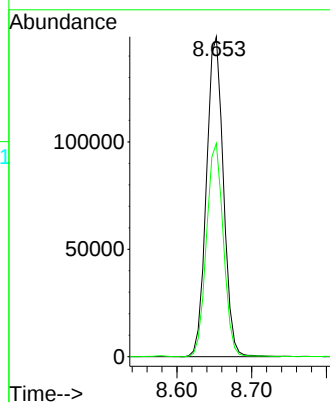
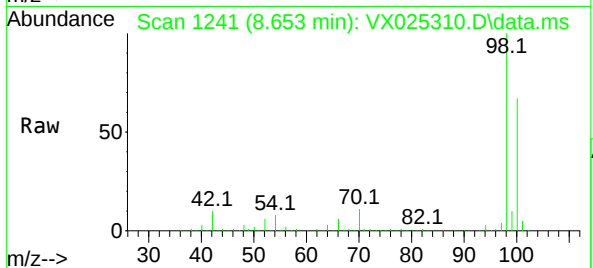
ClientSampleId :

Tgt Ion: 98 Resp: 234561

Ion Ratio Lower Upper

98 100

100 66.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 20.996 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX025310.D

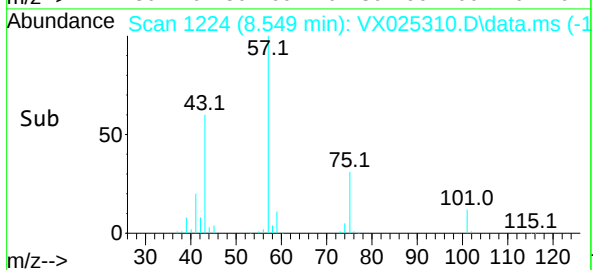
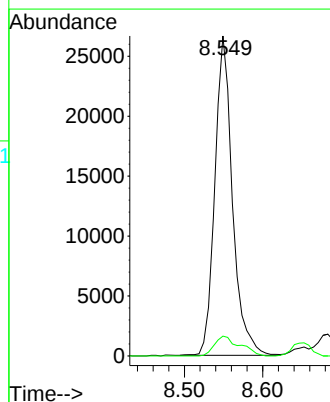
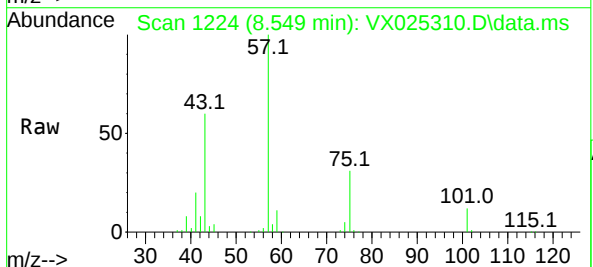
Acq: 24 Nov 2021 05:28

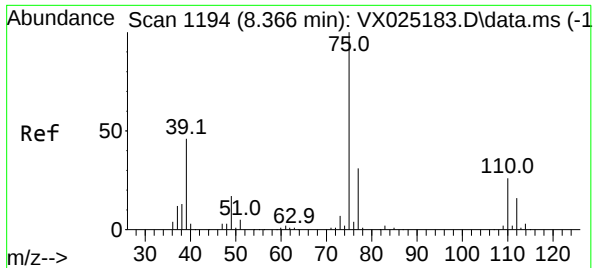
Tgt Ion: 43 Resp: 41758

Ion Ratio Lower Upper

43 100

58 8.9 30.9 46.3#

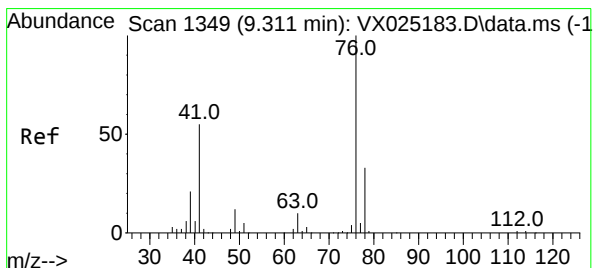
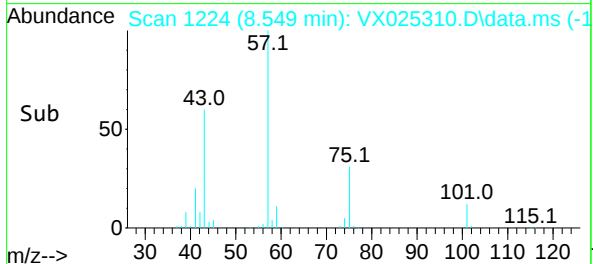
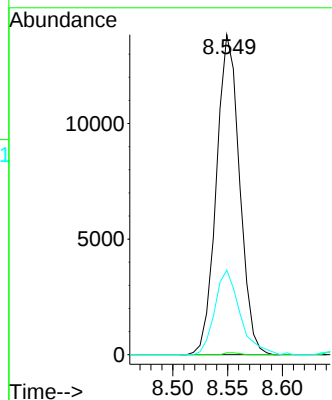
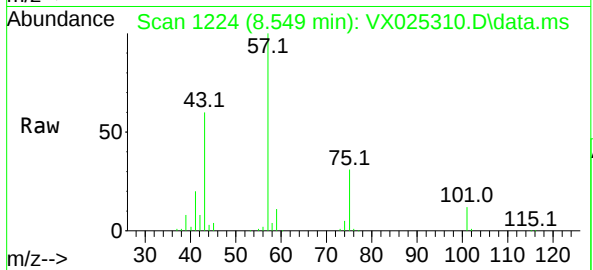




#54
 cis-1,3-Dichloropropene
 Concen: 9.521 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX025310.D
 Acq: 24 Nov 2021 05:28

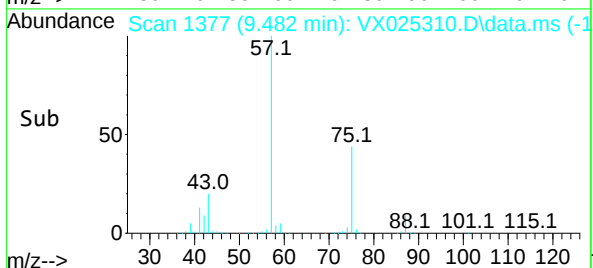
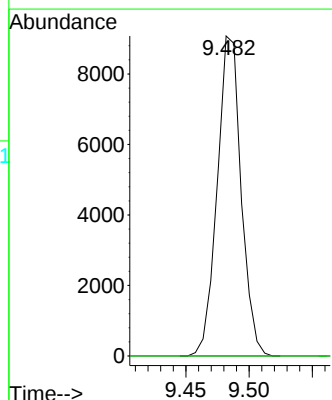
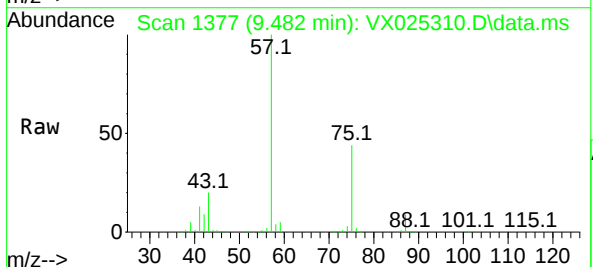
Instrument :
 MSVOA_X
 ClientSampleId :

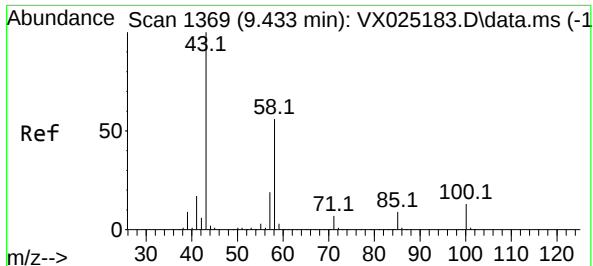
Tgt Ion: 75 Resp: 20406
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.8 35.8#
 39 26.4 38.8 58.2#



#57
 1,3-Dichloropropane
 Concen: 5.463 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX025310.D
 Acq: 24 Nov 2021 05:28

Tgt Ion: 76 Resp: 11922
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

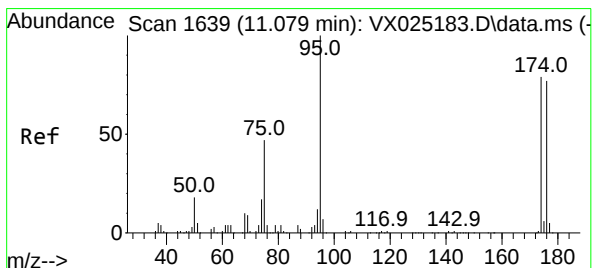
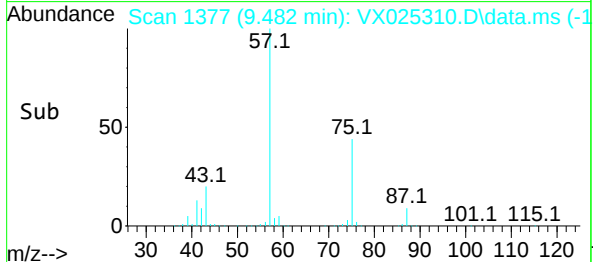
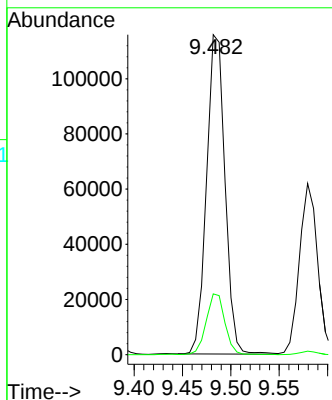
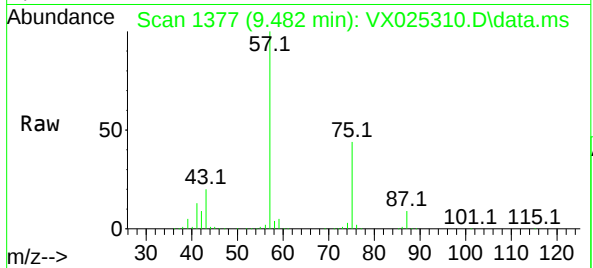




#59
2-Hexanone
Concen: 98.187 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

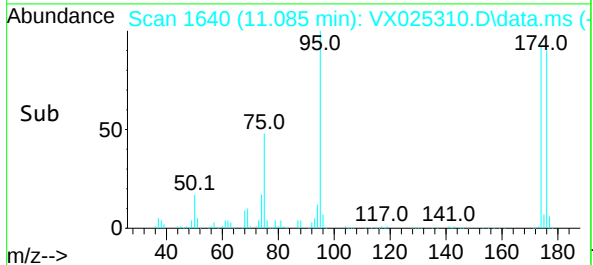
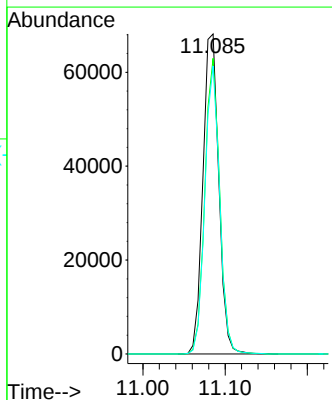
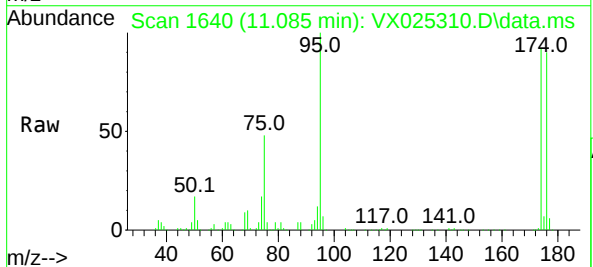
Instrument :
MSVOA_X
ClientSampleId :

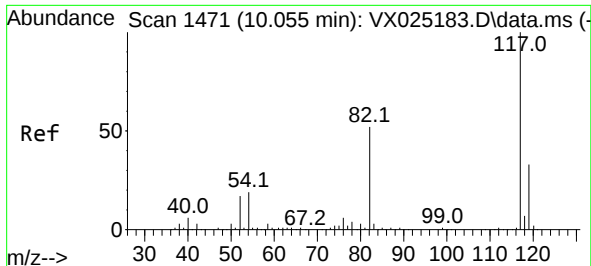
Tgt Ion: 43 Resp: 153955
Ion Ratio Lower Upper
43 100
58 19.4 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 54.440 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Tgt Ion: 95 Resp: 91223
Ion Ratio Lower Upper
95 100
174 86.5 0.0 158.0
176 84.2 0.0 153.6

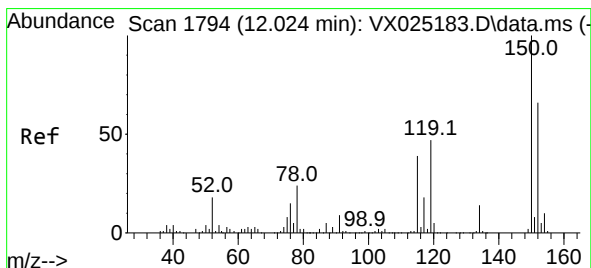
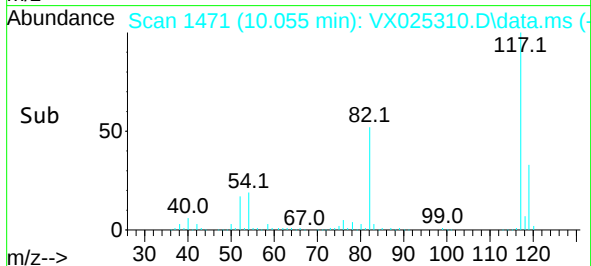
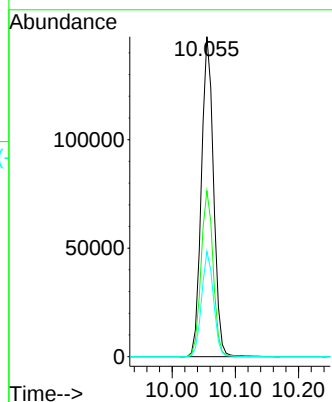
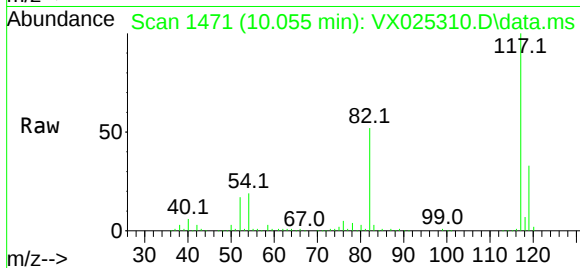




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

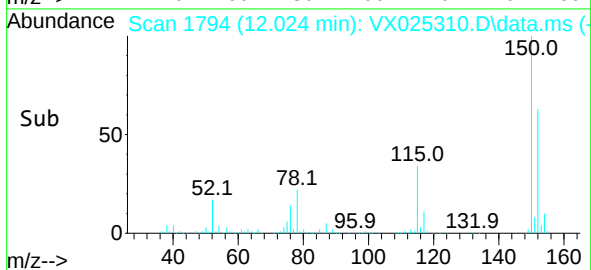
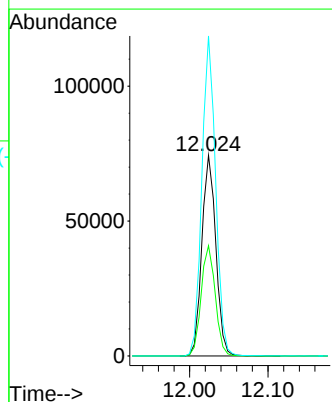
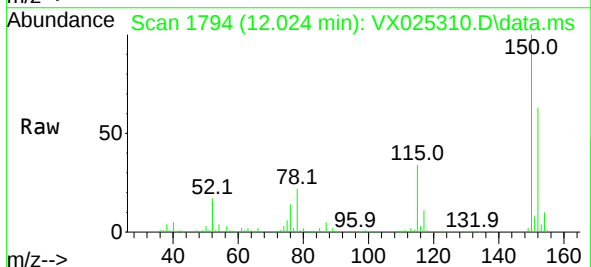
Instrument :
MSVOA_X
ClientSampleId :

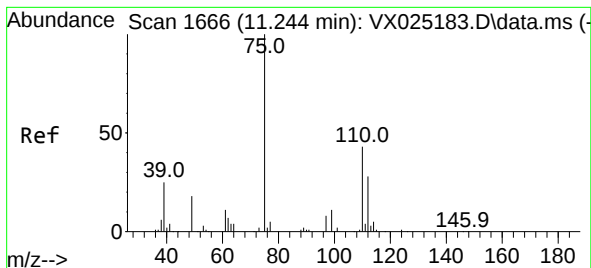
Tgt Ion:117 Resp: 197765
Ion Ratio Lower Upper
117 100
82 51.8 44.6 67.0
119 32.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Tgt Ion:152 Resp: 92285
Ion Ratio Lower Upper
152 100
115 55.4 43.3 129.8
150 156.7 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 23.153 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX025310.D

Acq: 24 Nov 2021 05:28

Instrument :

MSVOA_X

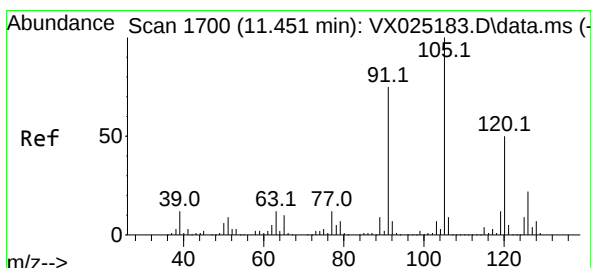
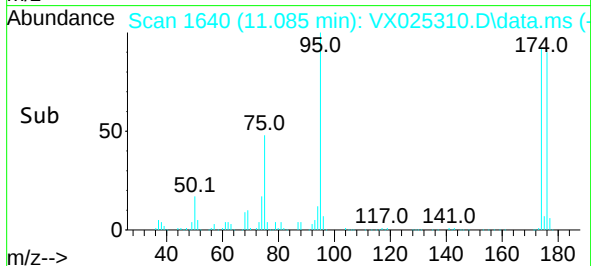
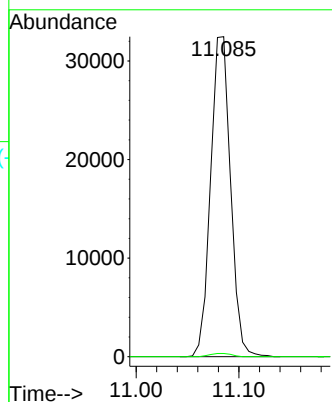
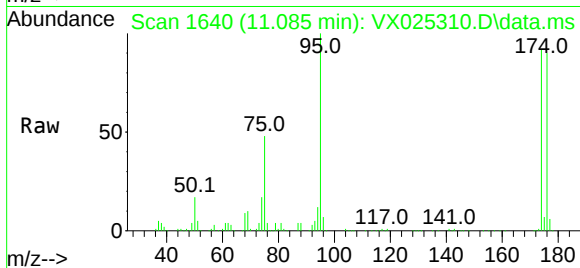
ClientSampleId :

Tgt Ion: 75 Resp: 43754

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.311 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX025310.D

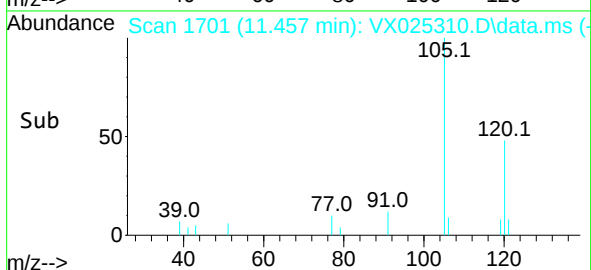
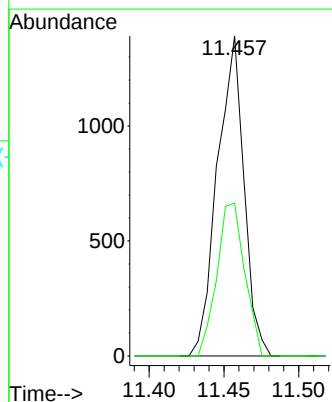
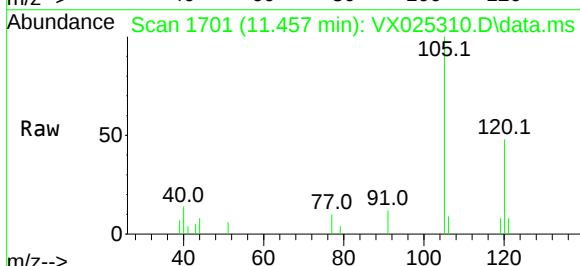
Acq: 24 Nov 2021 05:28

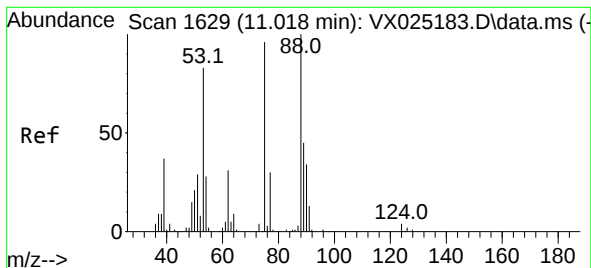
Tgt Ion: 105 Resp: 1717

Ion Ratio Lower Upper

105 100

120 50.0 23.8 71.5

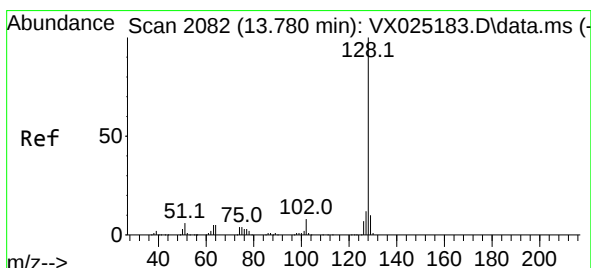
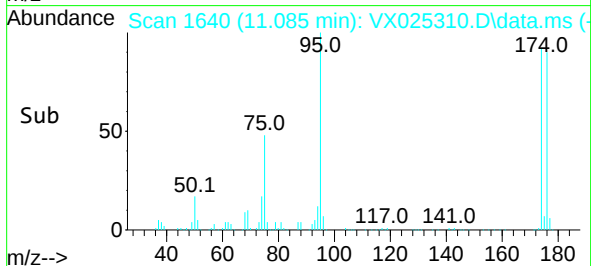
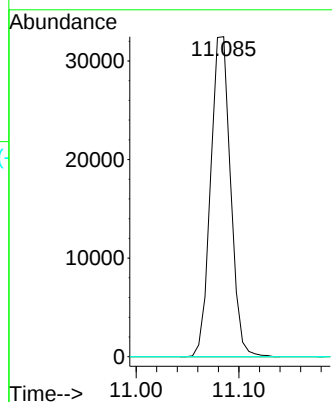
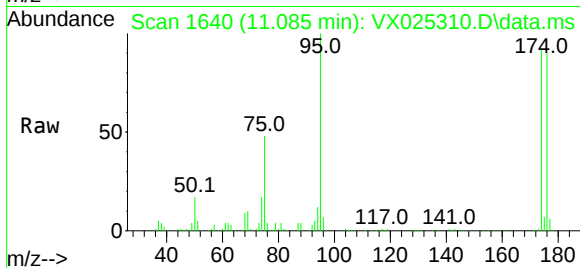




#81
trans-1,4-Dichloro-2-butene
Concen: 58.325 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43754
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025310.D
Acq: 24 Nov 2021 05:28

Tgt Ion:128 Resp: 295
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

