

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025302.D
 Acq On : 24 Nov 2021 02:21
 Operator : JC/MD
 Sample : M4803-02
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 260

Quant Time: Nov 24 03:18:49 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)

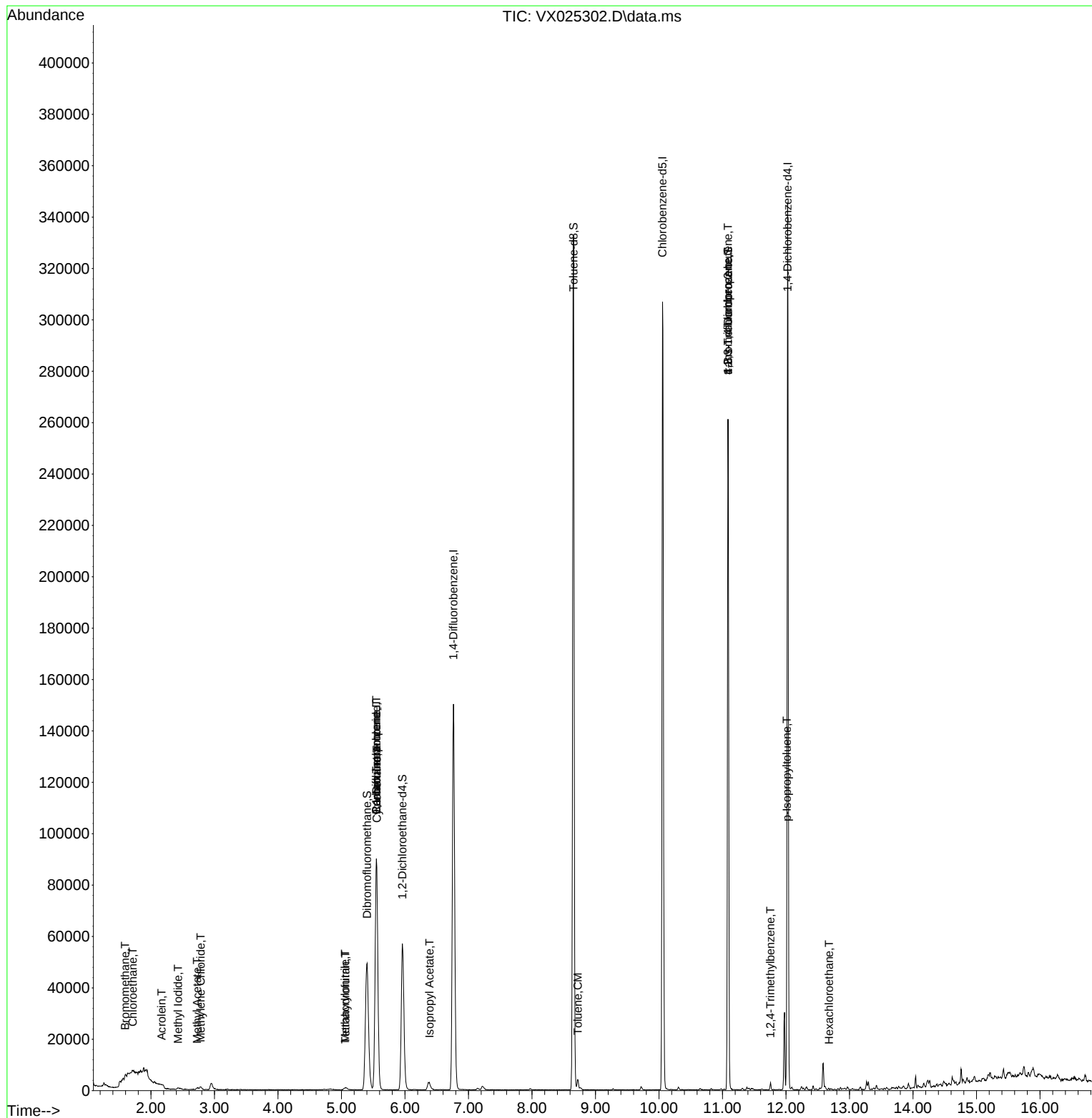
Internal Standards						
1) Pentafluorobenzene	5.550	168	98633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57751	55.548	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.100%			
35) Dibromofluoromethane	5.404	113	51034	47.390	ug/l	0.02
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.780%			
50) Toluene-d8	8.653	98	206810	51.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.085	95	73657	48.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.180%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	298	0.596	ug/l	91
6) Chloroethane	1.715	64	161	0.201	ug/l #	43
10) Methyl Iodide	2.429	142	438	0.382	ug/l #	73
11) Tert butyl alcohol	2.947	59	1890	Below Cal	#	72
13) Acrolein	2.166	56	46	0.966	ug/l #	1
18) Methyl Acetate	2.727	43	1703	0.923	ug/l	92
20) Methylene Chloride	2.782	84	500	0.460	ug/l #	73
29) Tetrahydrofuran	5.062	42	478	0.924	ug/l #	75
31) Cyclohexane	5.556	56	1818	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6540	4.271	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9200	5.455	ug/l #	17
41) Methacrylonitrile	5.056	41	663	0.686	ug/l #	37
43) Isopropyl Acetate	6.385	43	2005	0.692	ug/l #	61
52) Toluene	8.720	92	1629	0.538	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	35181	23.405	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	35181	58.960	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.756	105	1322	0.304	ug/l	98
86) p-Isopropyltoluene	12.012	119	5388	1.154	ug/l	97
90) Hexachloroethane	12.677	117	214	0.249	ug/l #	11
95) Naphthalene	13.786	128	679	Below Cal	#	83

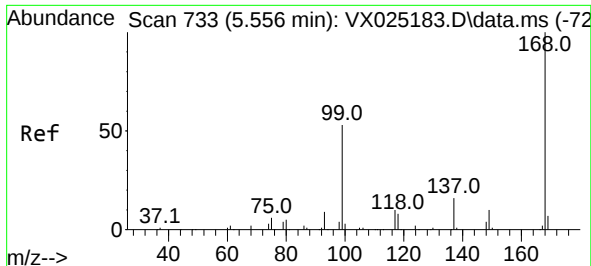
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

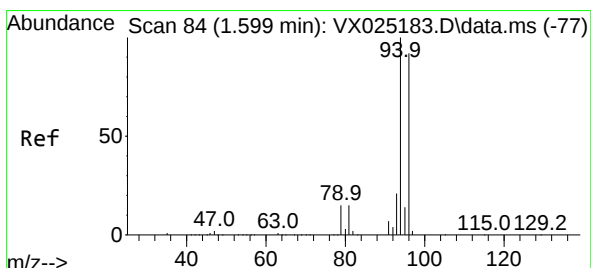
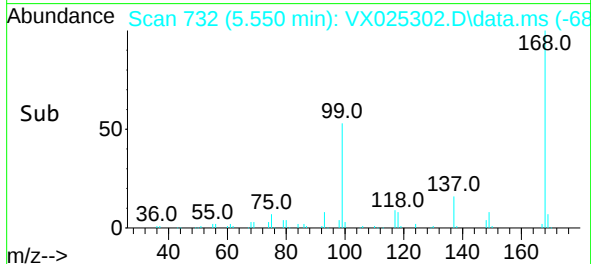
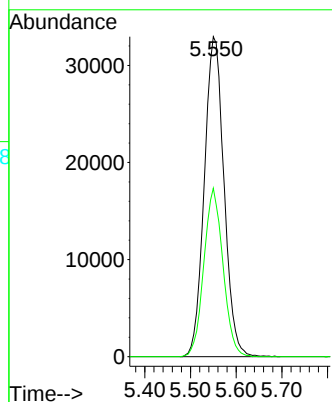
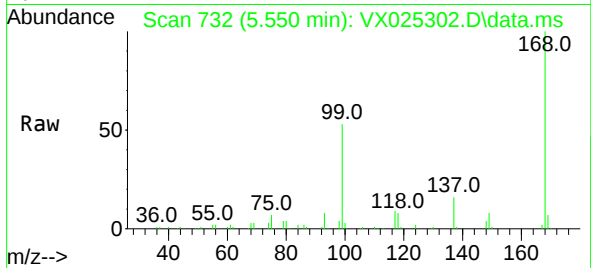




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

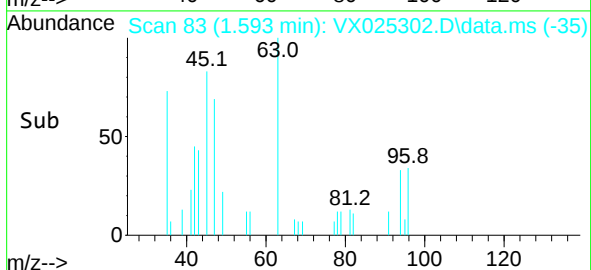
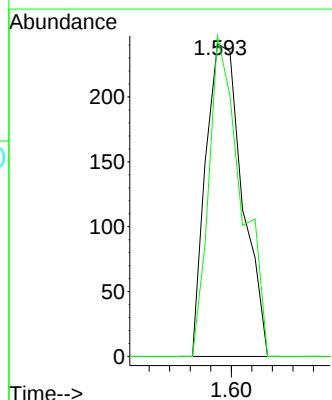
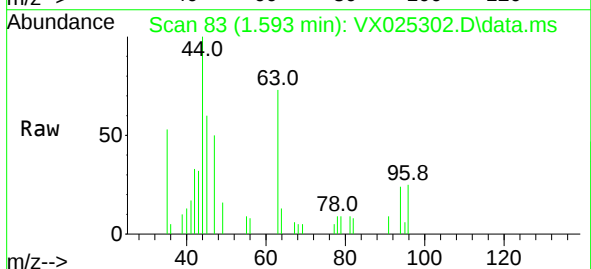
Instrument :
MSVOA_X
ClientSampleId :
260

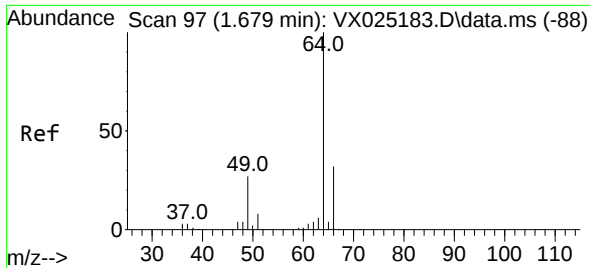
Tgt Ion:168 Resp: 98633
Ion Ratio Lower Upper
168 100
99 52.6 46.4 69.6



#5
Bromomethane
Concen: 0.596 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 102.5 74.8 112.2

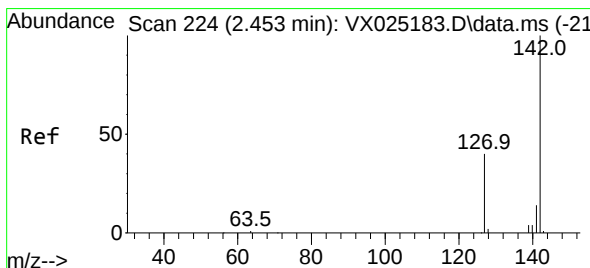
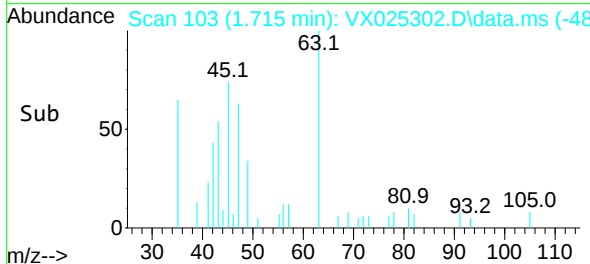
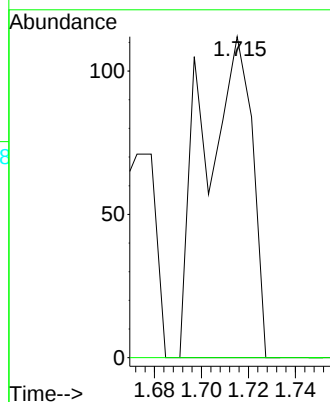
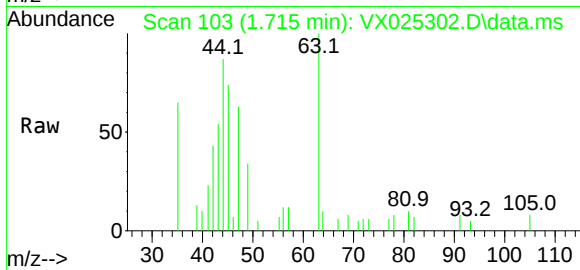




#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

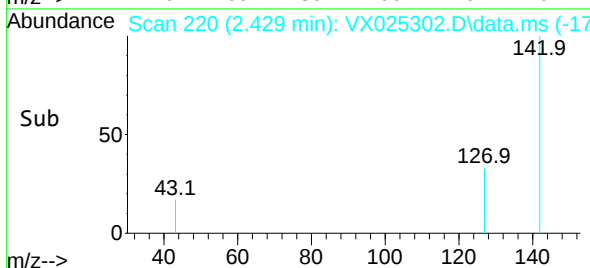
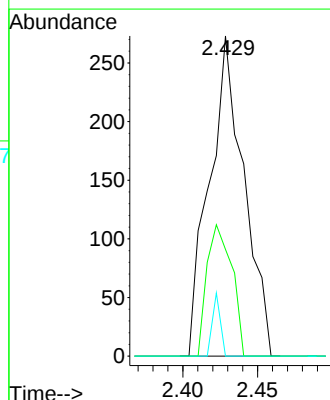
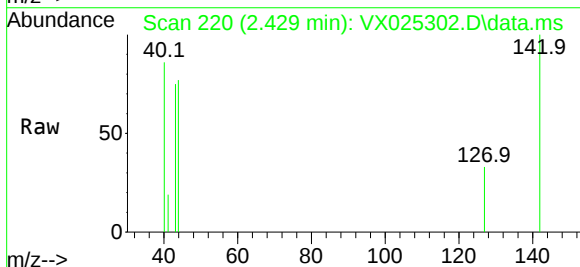
Instrument :
MSVOA_X
ClientSampleId :
260

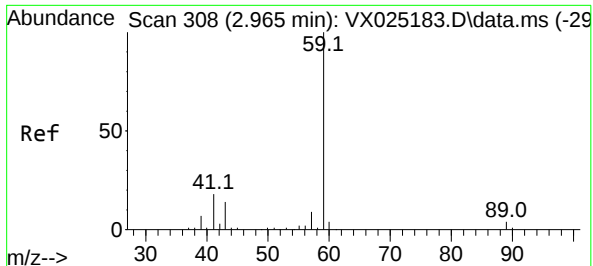
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 0.382 ug/l
RT: 2.429 min Scan# 220
Delta R.T. -0.024 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 142 Resp: 438
Ion Ratio Lower Upper
142 100
127 29.7 38.9 58.3#
141 4.6 11.7 17.5#

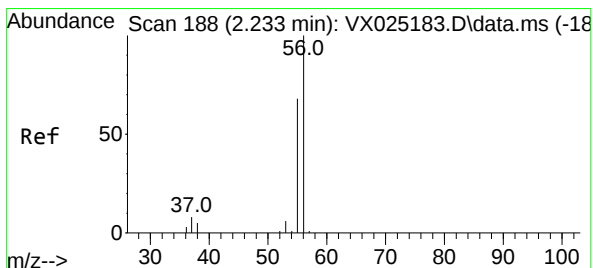
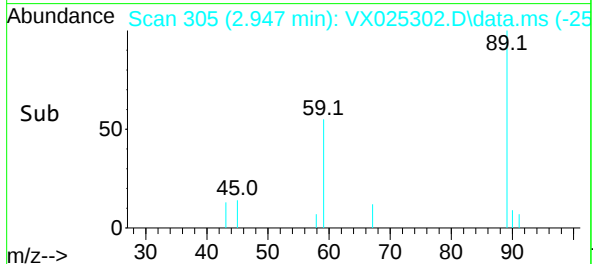
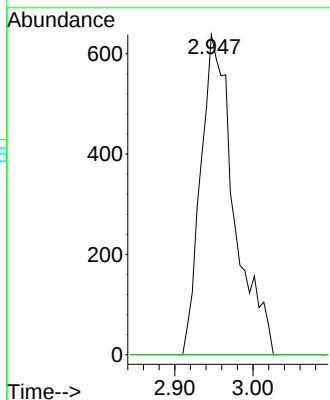
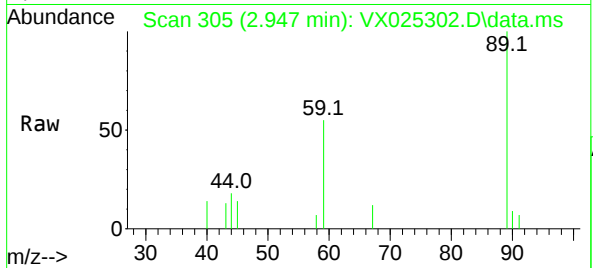




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

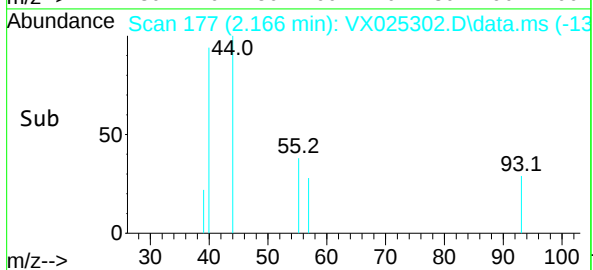
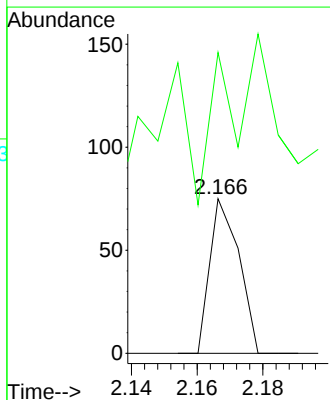
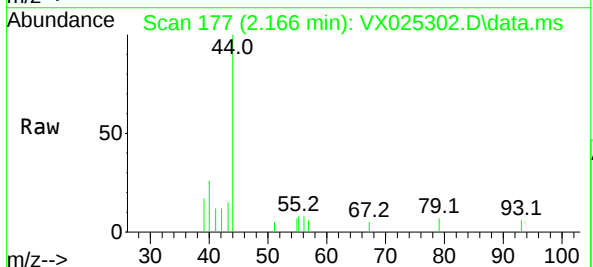
Instrument :
MSVOA_X
ClientSampleId :
260

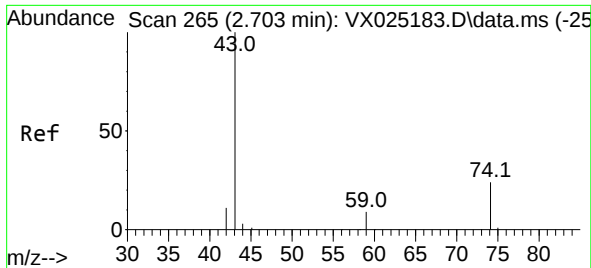
Tgt Ion: 59 Resp: 1890
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.966 ug/l
RT: 2.166 min Scan# 177
Delta R.T. -0.067 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 647.8 58.6 87.8#

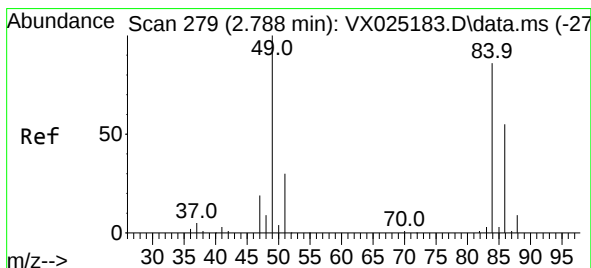
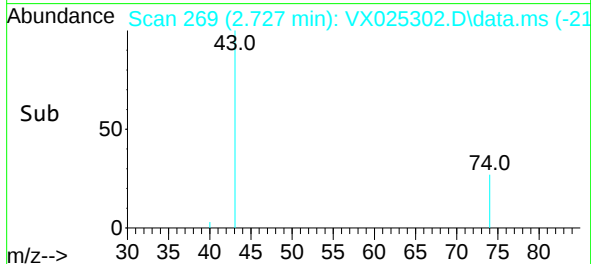
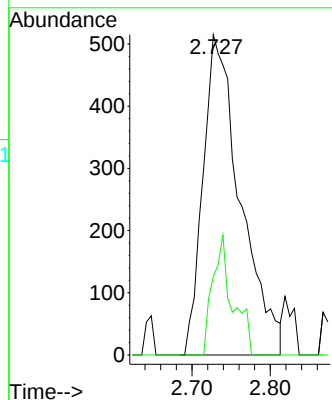
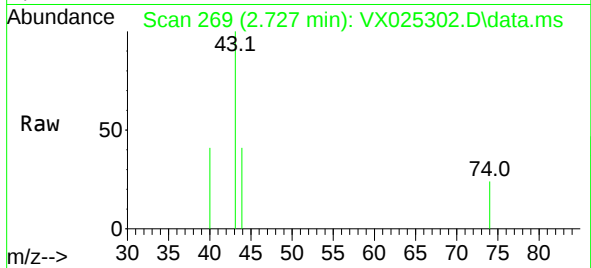




#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 2.727 min Scan# 260
Delta R.T. 0.024 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

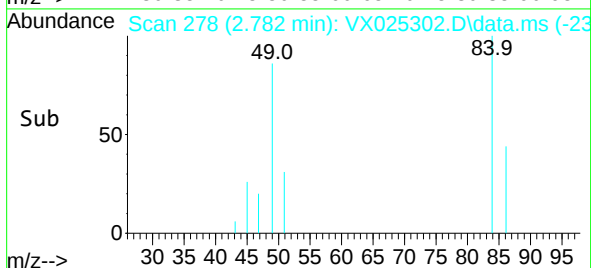
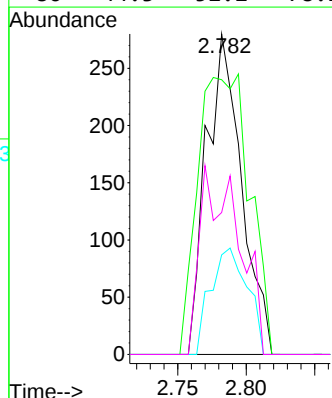
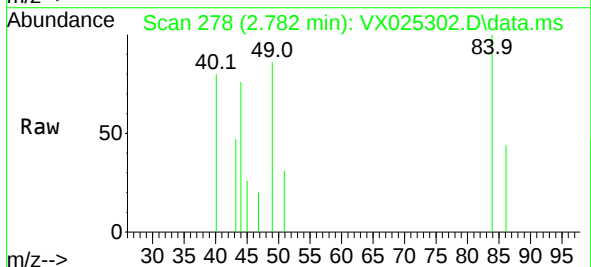
Instrument :
MSVOA_X
ClientSampleId :
260

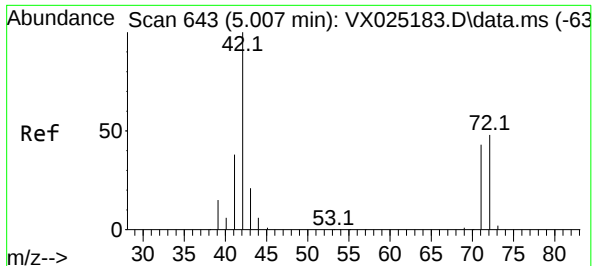
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
74 20.0 19.0 28.6



#20
Methylene Chloride
Concen: 0.460 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 84 Resp: 500
Ion Ratio Lower Upper
84 100
49 85.7 98.2 147.2#
51 31.1 30.2 45.4
86 44.3 52.2 78.2#





#29

Tetrahydrofuran

Concen: 0.924 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

Instrument :

MSVOA_X

ClientSampleId :

260

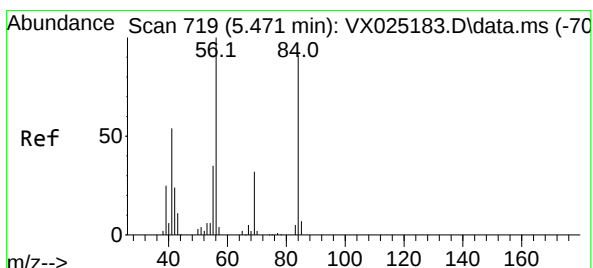
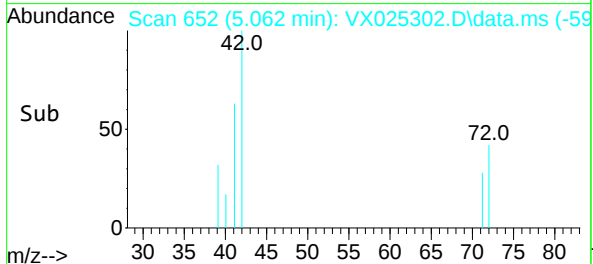
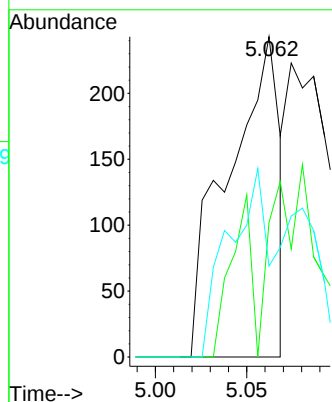
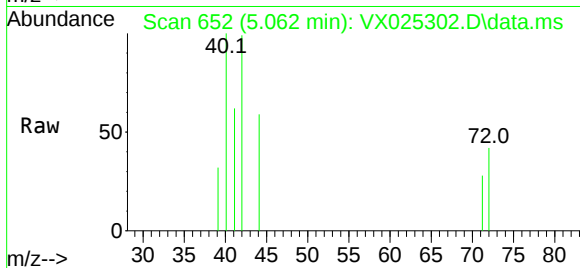
Tgt Ion: 42 Resp: 478

Ion Ratio Lower Upper

42 100

72 20.1 36.1 54.1#

71 49.4 33.7 50.5



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

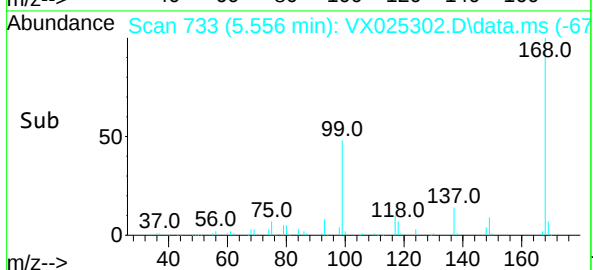
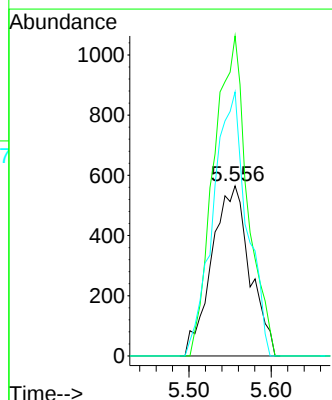
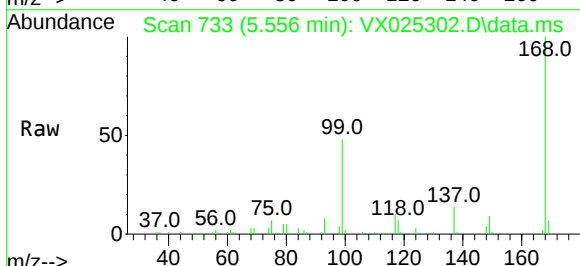
Tgt Ion: 56 Resp: 1818

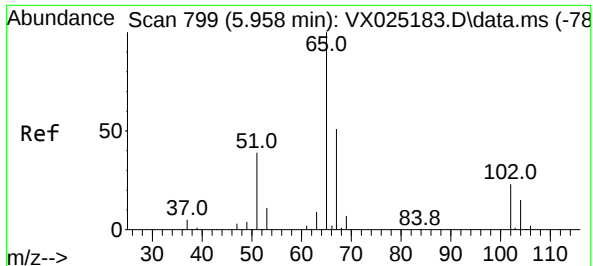
Ion Ratio Lower Upper

56 100

69 188.1 24.2 36.2#

84 155.2 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 55.548 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

Instrument :

MSVOA_X

ClientSampleId :

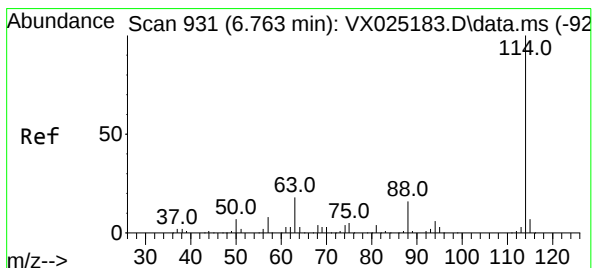
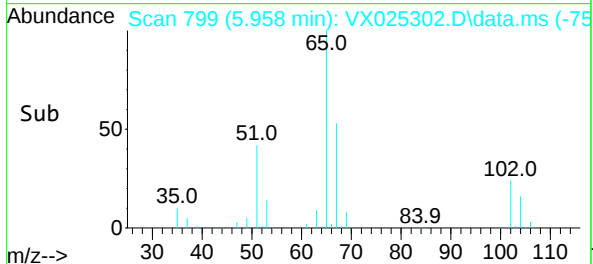
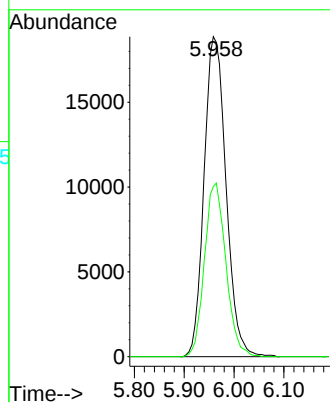
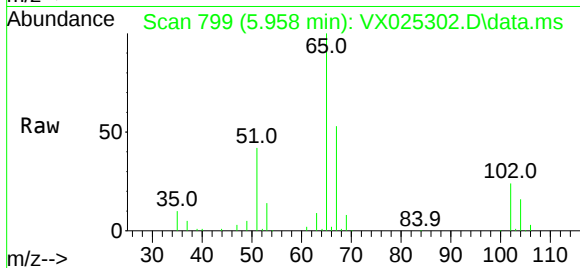
260

Tgt Ion: 65 Resp: 57751

Ion Ratio Lower Upper

65 100

67 52.9 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: VX025302.D

Acq: 24 Nov 2021 02:21

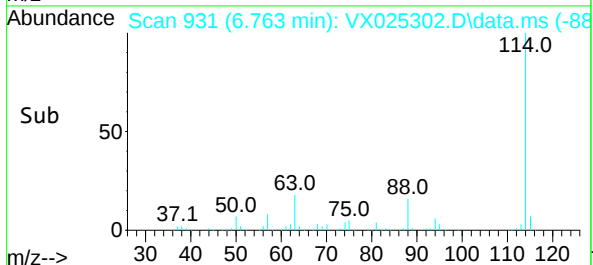
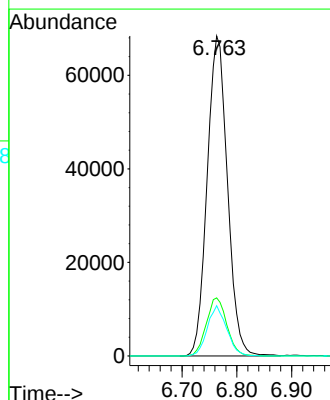
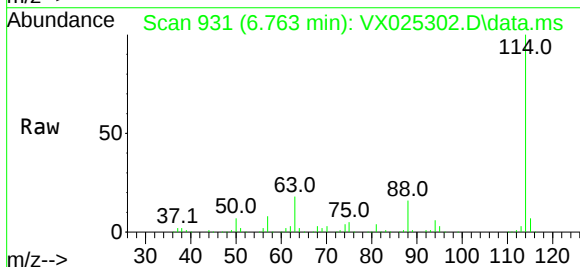
Tgt Ion: 114 Resp: 175513

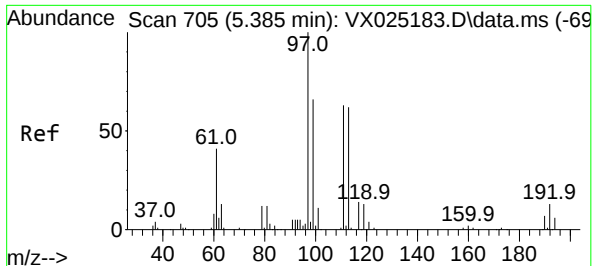
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.0

88 15.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.390 ug/l

RT: 5.404 min Scan# 705

Delta R.T. 0.019 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

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260

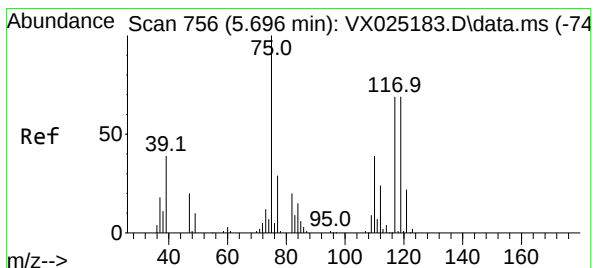
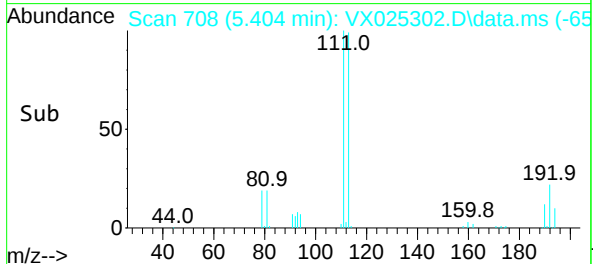
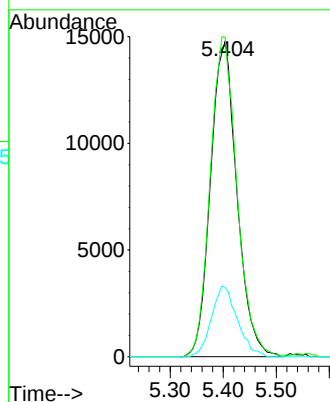
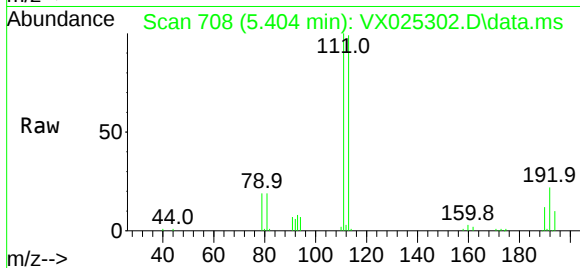
Tgt Ion:113 Resp: 51034

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 21.9 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.271 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

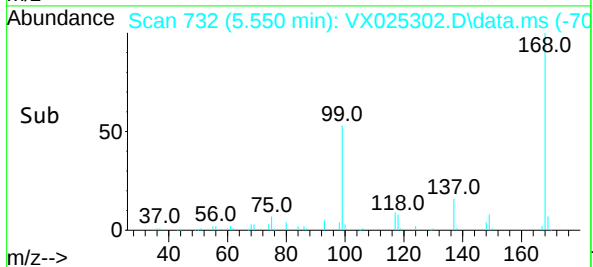
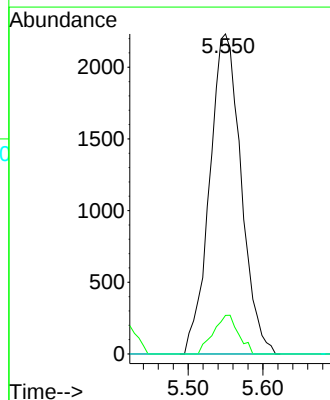
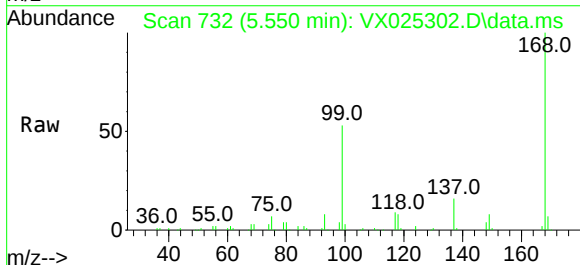
Tgt Ion: 75 Resp: 6540

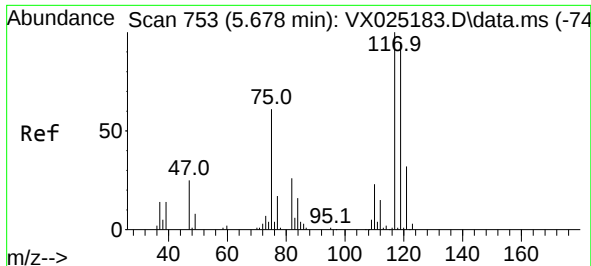
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

77 0.0 24.4 36.6#

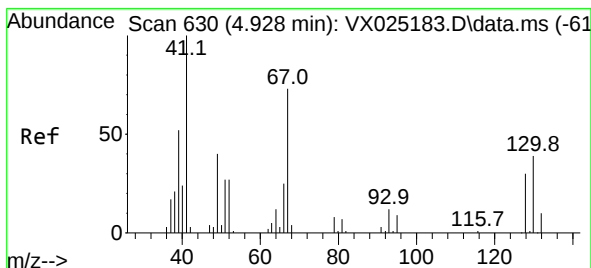
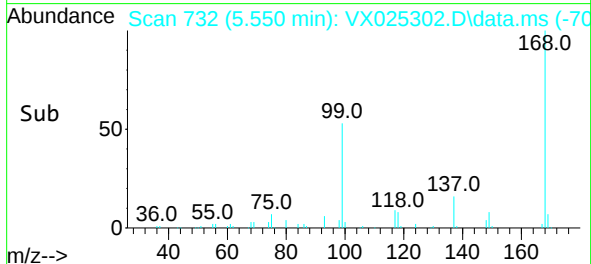
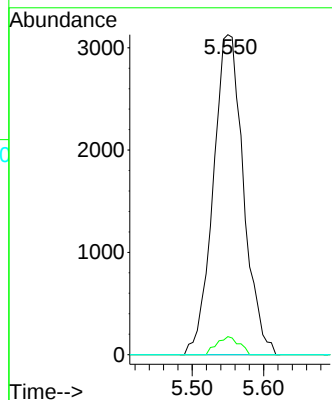
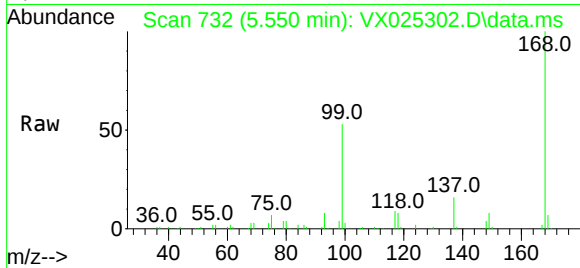




#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

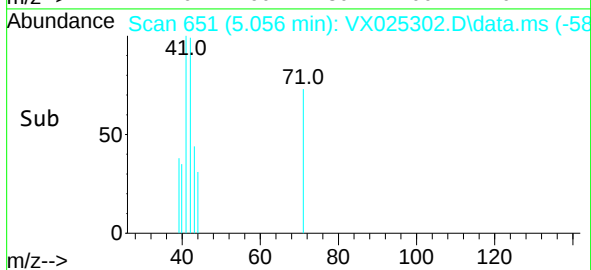
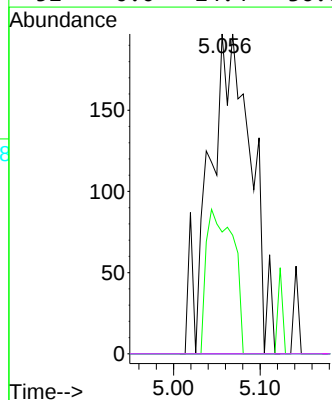
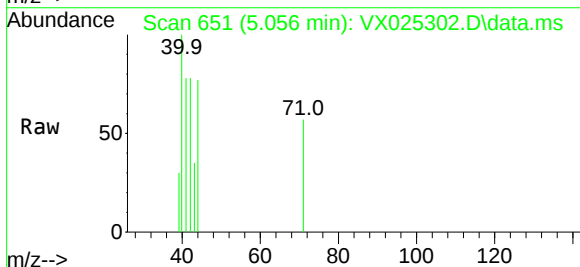
Instrument :
MSVOA_X
ClientSampleId :
260

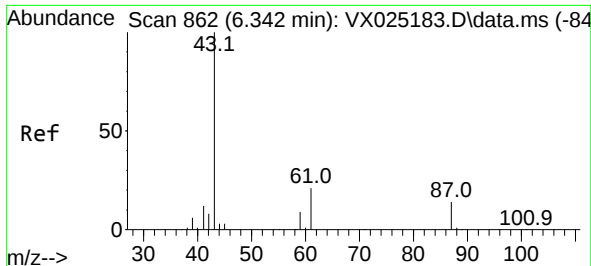
Tgt Ion:117 Resp: 9200
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.686 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.128 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 41 Resp: 663
Ion Ratio Lower Upper
41 100
39 29.0 44.6 67.0#
67 0.0 56.7 85.1#
52 0.0 24.4 36.6#

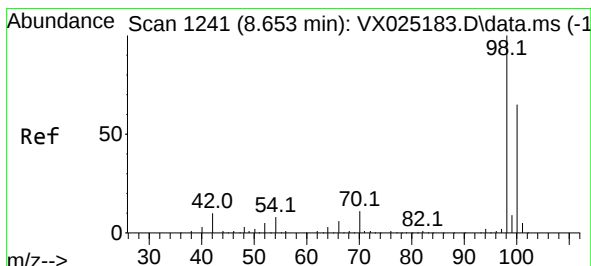
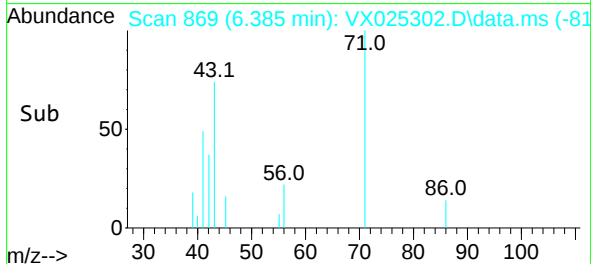
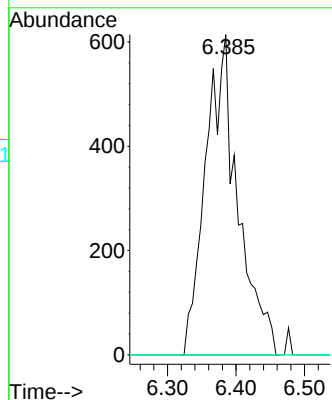
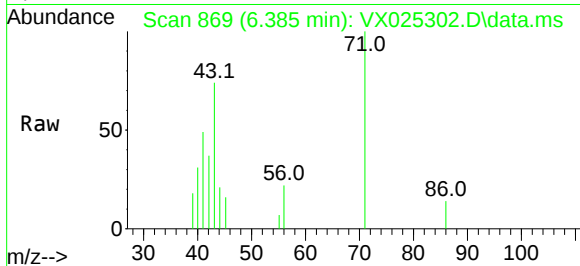




#43
Isopropyl Acetate
Concen: 0.692 ug/l
RT: 6.385 min Scan# 869
Delta R.T. 0.043 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

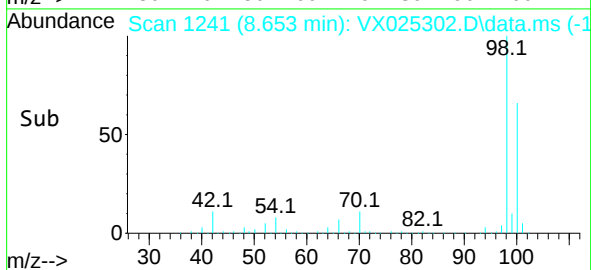
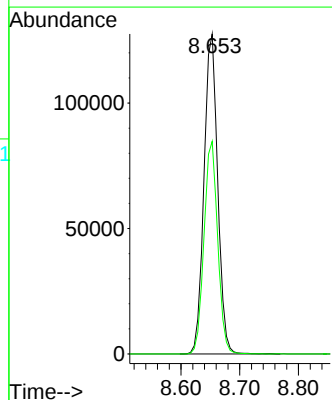
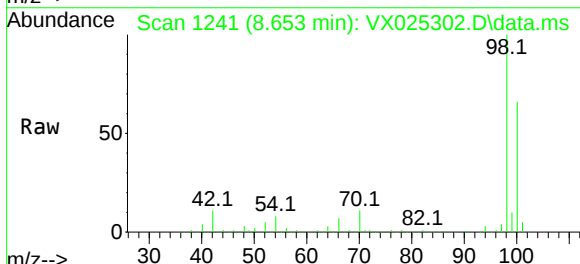
Instrument :
MSVOA_X
ClientSampleId :
260

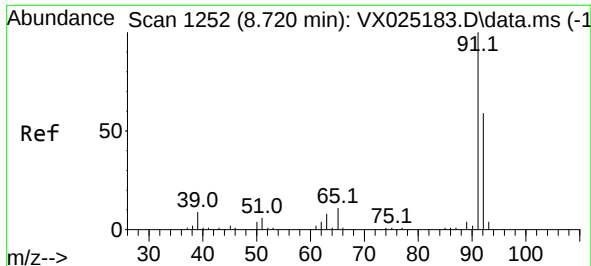
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#



#50
Toluene-d8
Concen: 51.077 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 98 Resp: 206810
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0

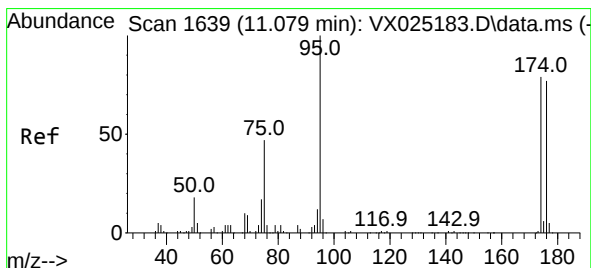
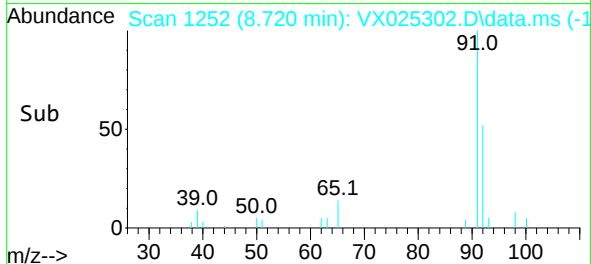
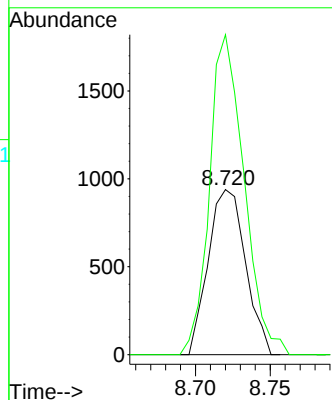
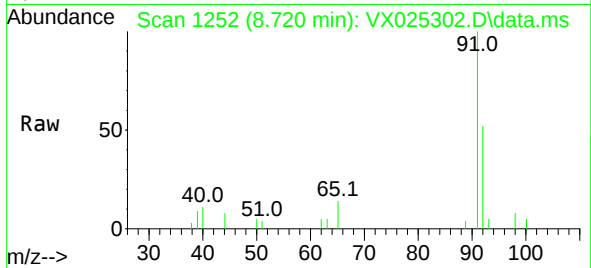




#52
Toluene
Concen: 0.538 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

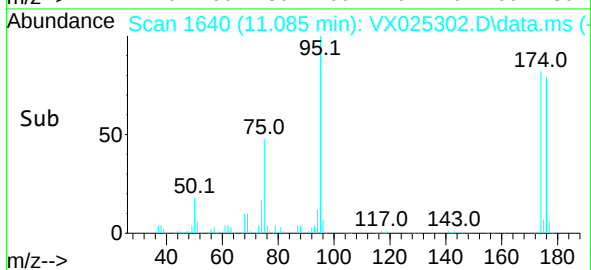
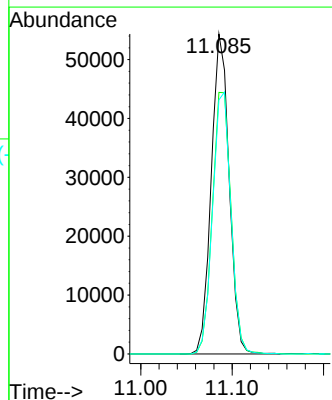
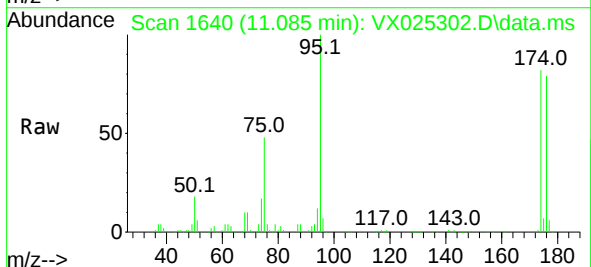
Instrument :
MSVOA_X
ClientSampleId :
260

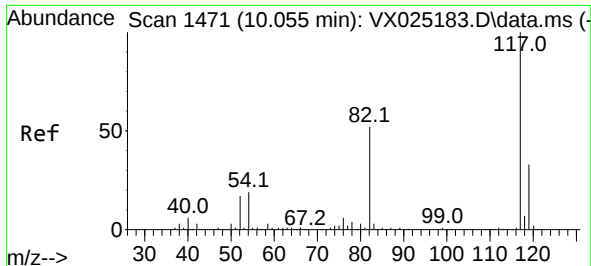
Tgt Ion: 92 Resp: 1629
Ion Ratio Lower Upper
92 100
91 179.7 138.6 208.0



#62
4-Bromofluorobenzene
Concen: 48.086 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 95 Resp: 73657
Ion Ratio Lower Upper
95 100
174 85.2 0.0 158.0
176 84.0 0.0 153.6

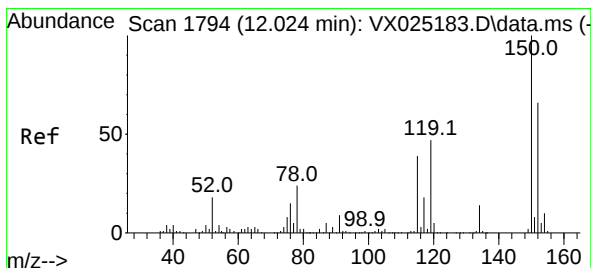
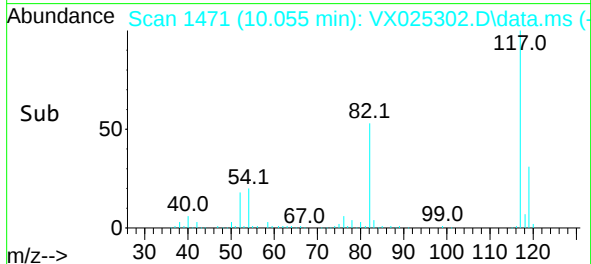
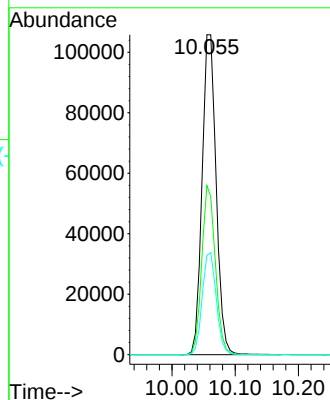
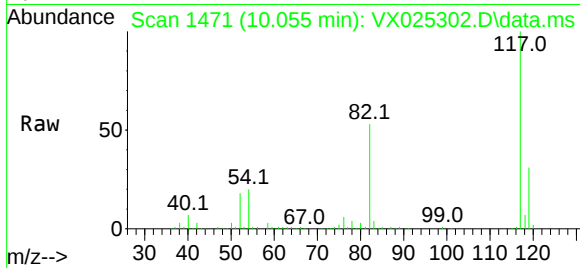




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

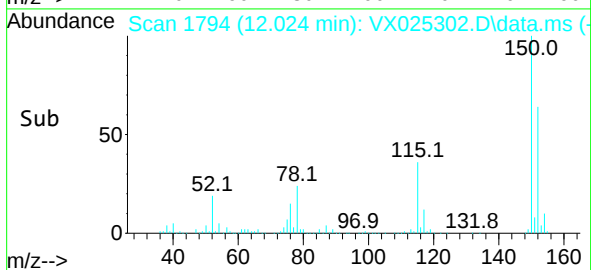
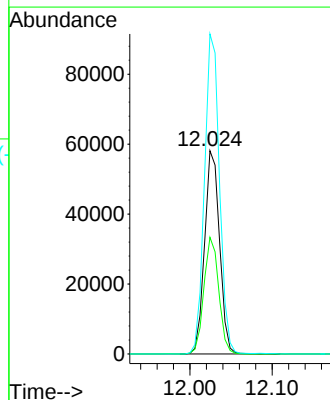
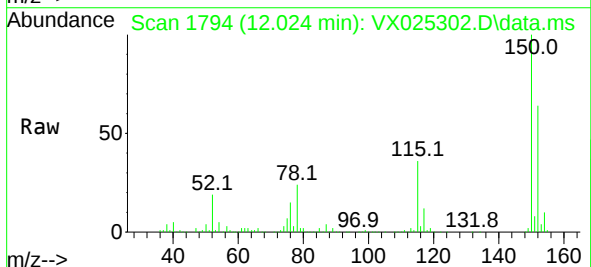
Instrument :
MSVOA_X
ClientSampleId :
260

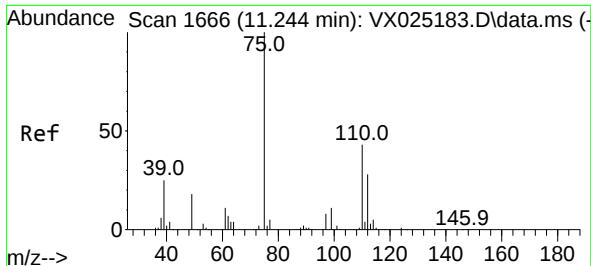
Tgt Ion:117 Resp: 163727
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 31.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion:152 Resp: 73404
Ion Ratio Lower Upper
152 100
115 56.9 43.3 129.8
150 157.7 0.0 351.2

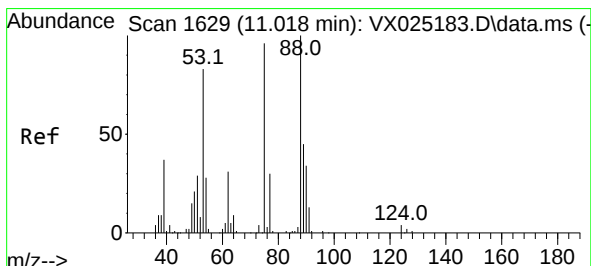
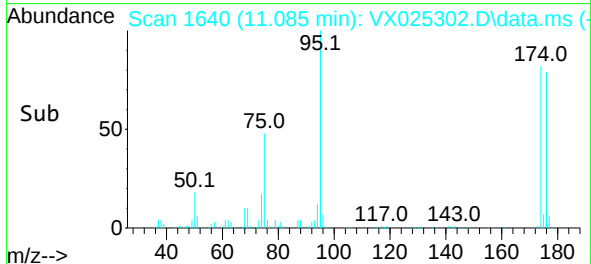
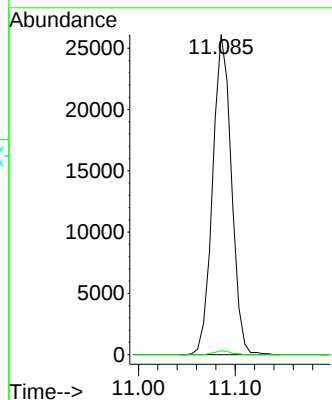
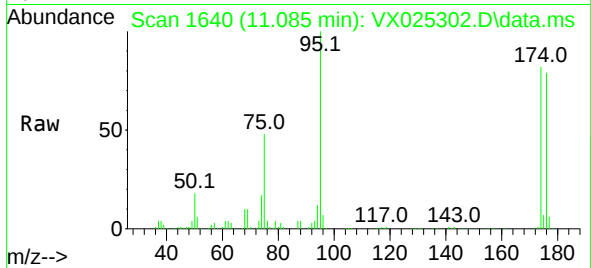




#76
1,2,3-Trichloropropane
Concen: 23.405 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

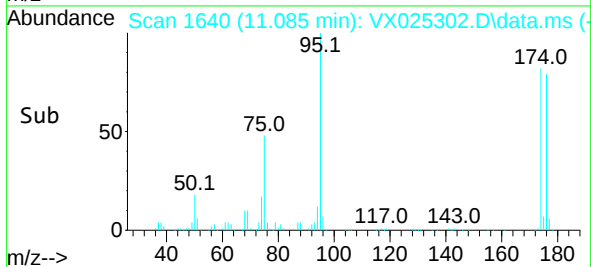
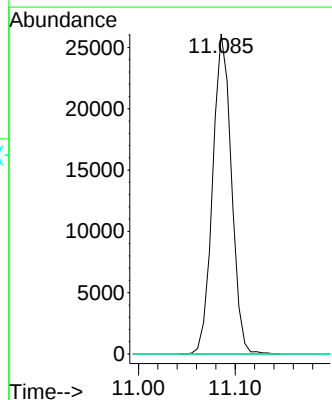
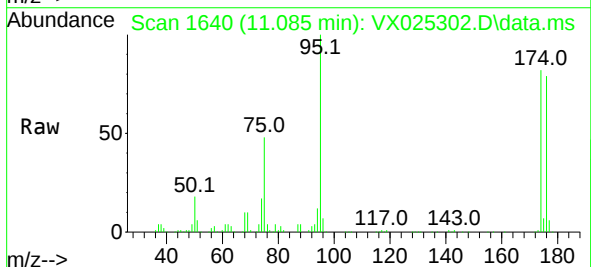
Instrument :
MSVOA_X
ClientSampleId :
260

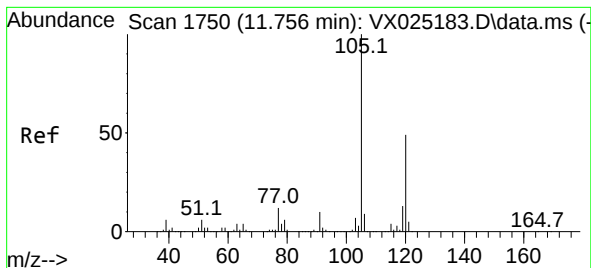
Tgt Ion: 75 Resp: 35181
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.960 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion: 75 Resp: 35181
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.304 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

Instrument :

MSVOA_X

ClientSampleId :

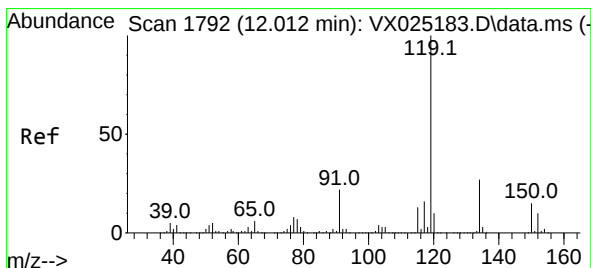
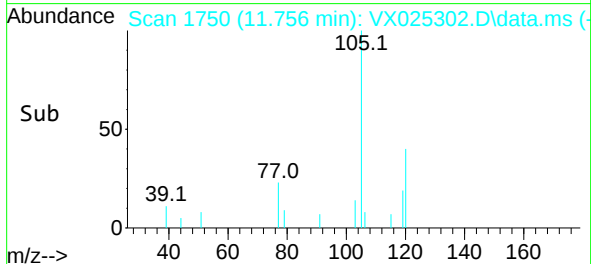
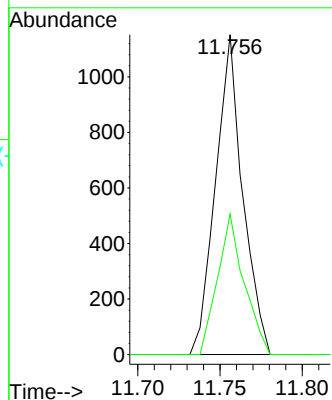
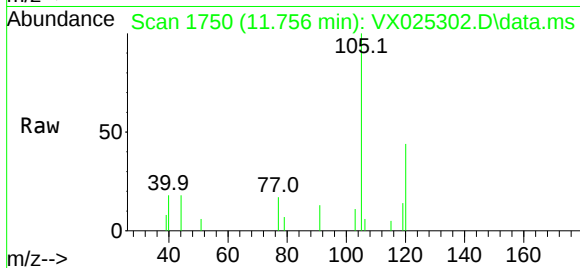
260

Tgt Ion:105 Resp: 1322

Ion Ratio Lower Upper

105 100

120 42.9 22.1 66.3



#86

p-Isopropyltoluene

Concen: 1.154 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX025302.D

Acq: 24 Nov 2021 02:21

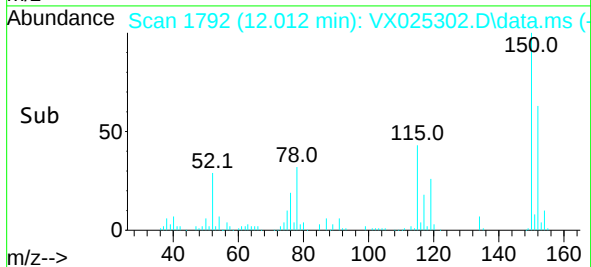
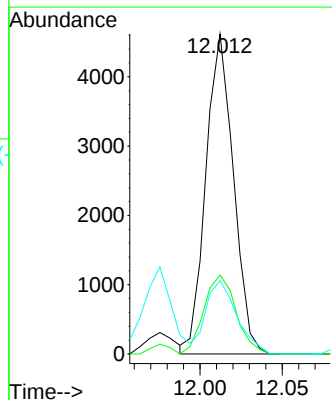
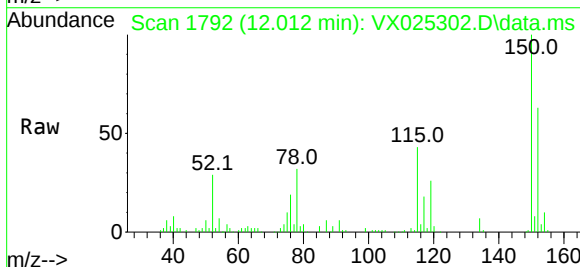
Tgt Ion:119 Resp: 5388

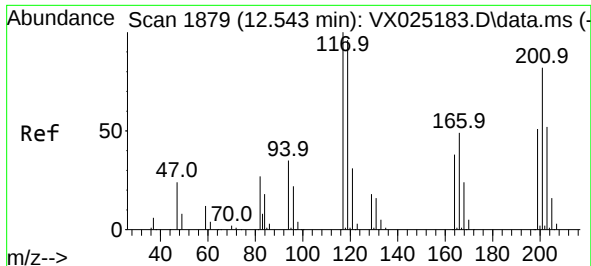
Ion Ratio Lower Upper

119 100

134 28.6 13.2 39.5

91 25.9 12.4 37.0

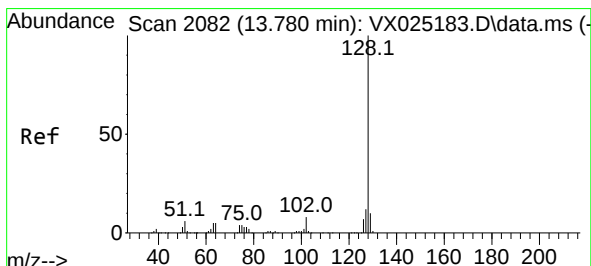
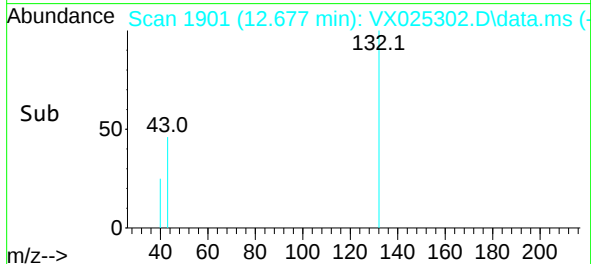
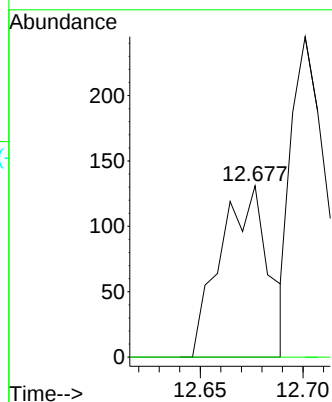
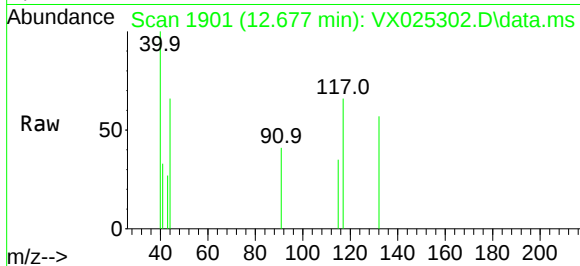




#90
Hexachloroethane
Concen: 0.249 ug/l
RT: 12.677 min Scan# 1901
Delta R.T. 0.134 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Instrument :
MSVOA_X
ClientSampleId :
260

Tgt Ion:117 Resp: 214
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#



#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025302.D
Acq: 24 Nov 2021 02:21

Tgt Ion:128 Resp: 679
Ion Ratio Lower Upper
128 100
127 9.9 10.3 15.5#
129 0.0 8.8 13.2#

