

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026224.D
 Acq On : 03 Jan 2022 16:47
 Operator : JC/MD
 Sample : M5335-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:52:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

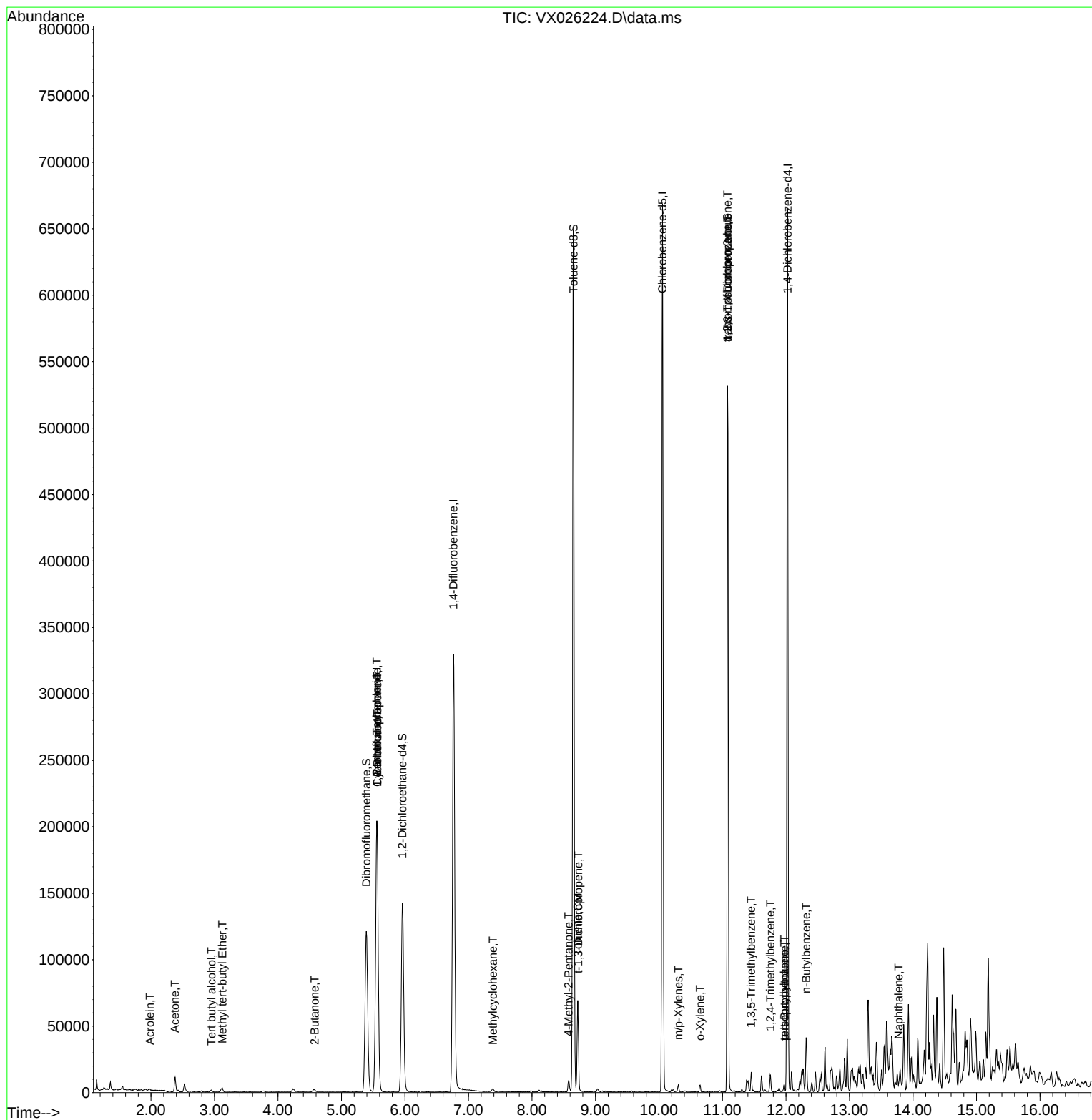
Internal Standards						
1) Pentafluorobenzene	5.556	168	183337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	318339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	283494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142004	53.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.080%			
35) Dibromofluoromethane	5.391	113	104129	50.313	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	8.653	98	378497	49.167	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	137771	50.273	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.540%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	1193	2.252	ug/l #	73
13) Acrolein	1.983	56	55	0.290	ug/l #	1
16) Acetone	2.380	43	11798	8.210	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	2866	0.404	ug/l #	87
20) Methylene Chloride	2.800	84	440	Below Cal	#	70
25) 2-Butanone	4.574	43	1621	0.810	ug/l	93
31) Cyclohexane	5.562	56	4856	1.286	ug/l #	17
36) 1,1-Dichloropropene	5.562	75	16197	4.852	ug/l #	49
38) Carbon Tetrachloride	5.556	117	19672	5.298	ug/l #	16
39) Methylcyclohexane	7.385	83	965	0.256	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	5973	1.522	ug/l	90
52) Toluene	8.720	92	24224	4.130	ug/l	96
53) t-1,3-Dichloropropene	8.726	75	358	1.981	ug/l #	1
68) m/p-Xylenes	10.305	106	1404	0.338	ug/l	88
69) o-Xylene	10.647	106	1306	0.321	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	76215	24.439	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	6156	0.739	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.079	75	76215	70.703	ug/l #	10
83) tert-Butylbenzene	11.976	119	2381	0.294	ug/l	72
84) 1,2,4-Trimethylbenzene	11.756	105	5445	0.654	ug/l	96
86) p-Isopropyltoluene	11.976	119	2381	0.283	ug/l	85
89) n-Butylbenzene	12.317	91	4268	0.571	ug/l #	5
95) Naphthalene	13.774	128	2971	0.298	ug/l #	69

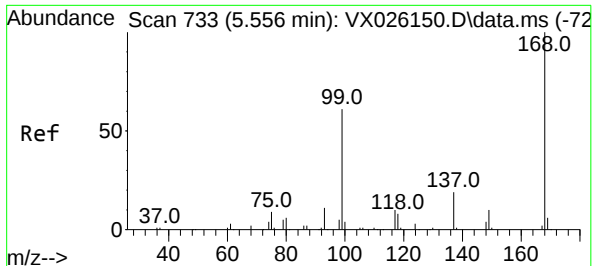
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
Data File : VX026224.D
Acq On : 03 Jan 2022 16:47
Operator : JC/MD
Sample : M5335-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 04 03:52:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



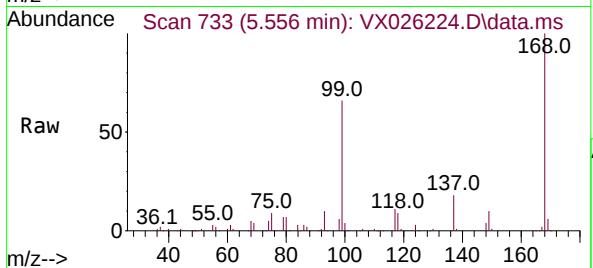


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

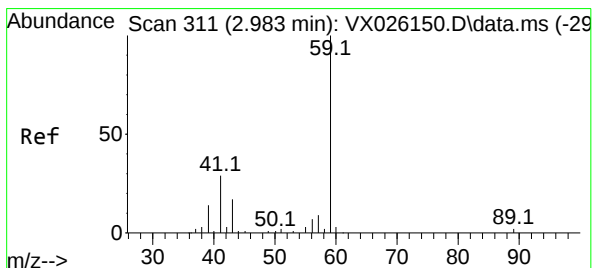
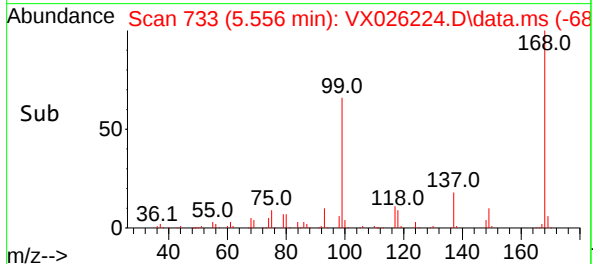
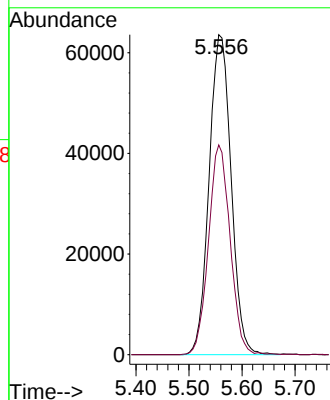
Instrument :

MSVOA_X

ClientSampleId :

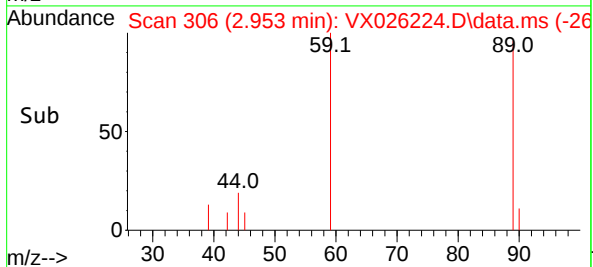
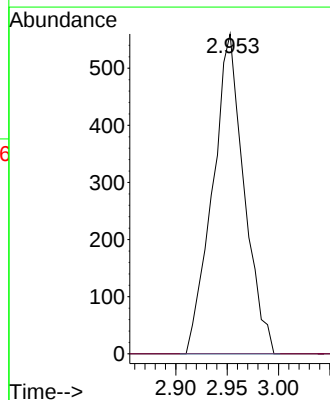
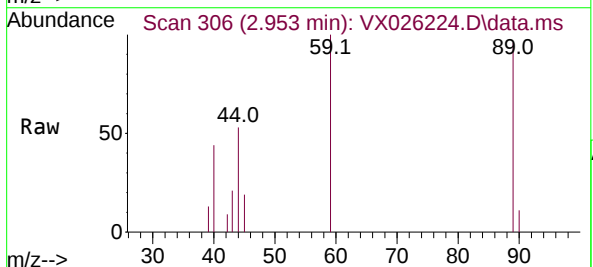


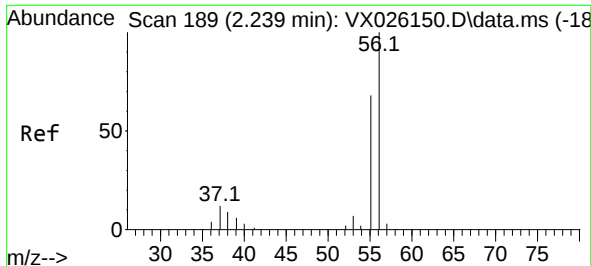
Tgt Ion:168 Resp: 183337
Ion Ratio Lower Upper
168 100
99 65.5 45.8 68.8



#11
Tert butyl alcohol
Concen: 2.252 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.290 ug/l

RT: 1.983 min Scan# 14

Delta R.T. -0.256 min

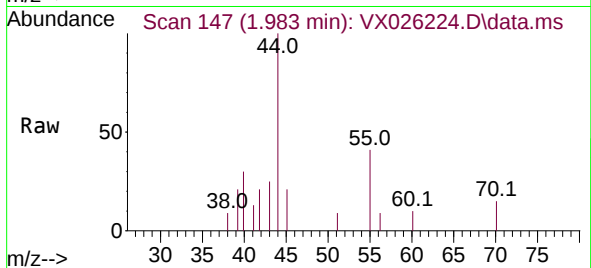
Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

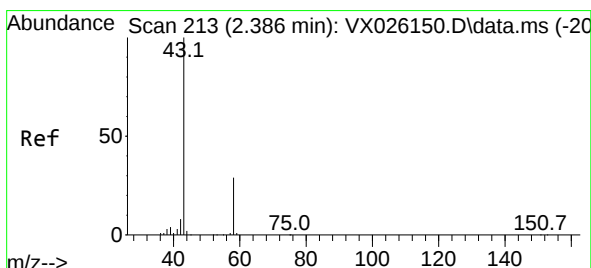
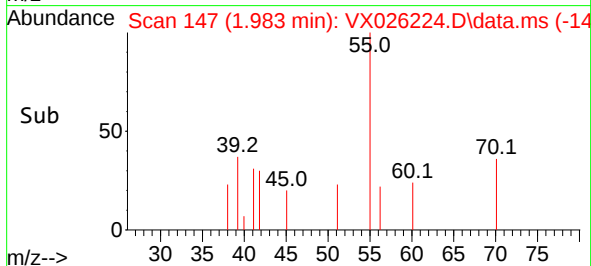
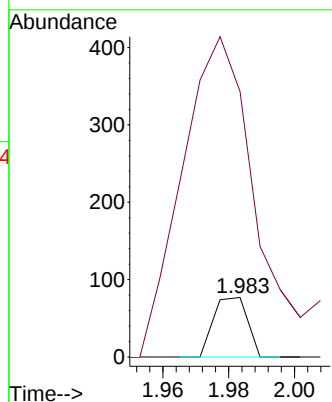
MSVOA_X

ClientSampleId :



Tgt Ion: 56 Resp: 55

Ion	Ratio	Lower	Upper
56	100		
55	1196.4	57.4	86.2#



#16

Acetone

Concen: 8.210 ug/l

RT: 2.380 min Scan# 212

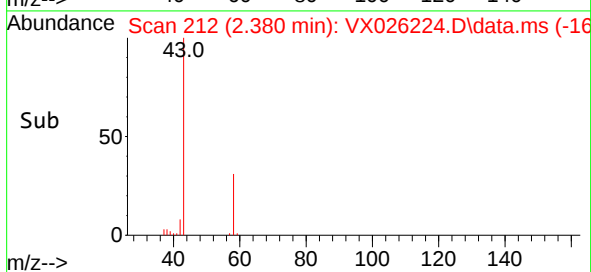
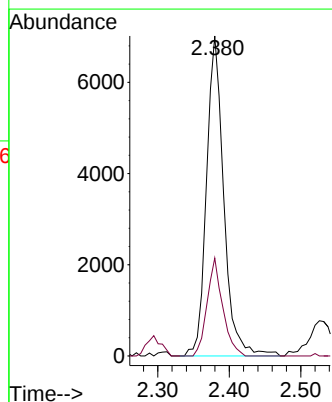
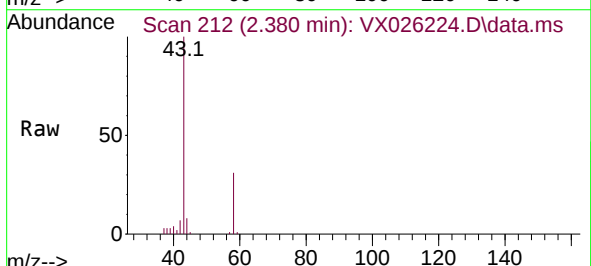
Delta R.T. -0.006 min

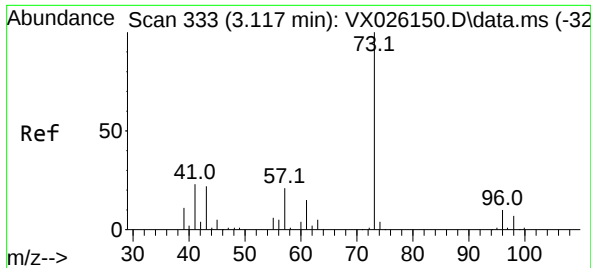
Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Tgt Ion: 43 Resp: 11798

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.8	37.2

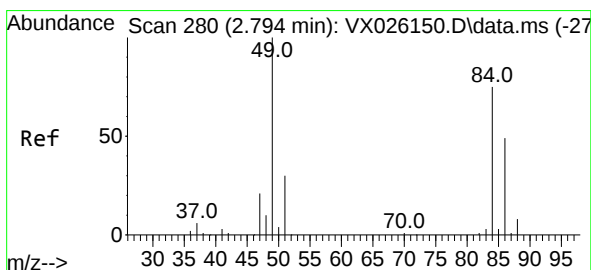
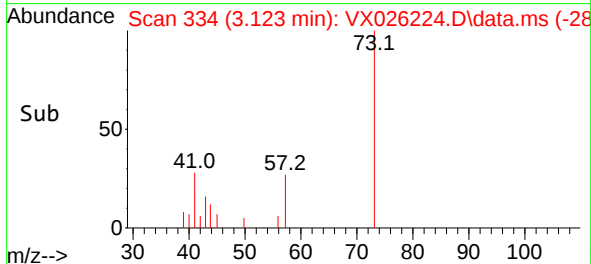
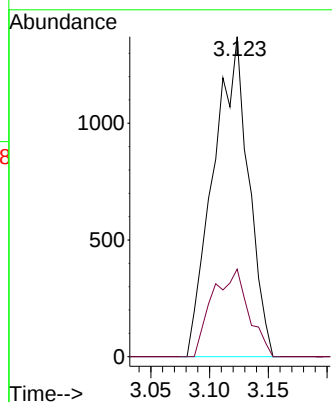
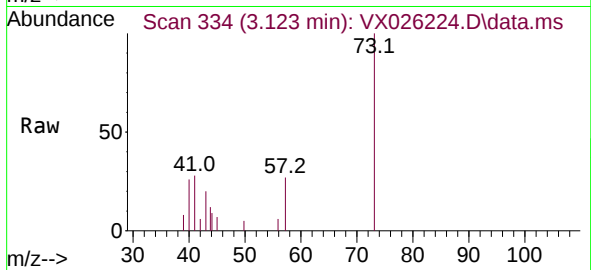




#19
Methyl tert-butyl Ether
Concen: 0.404 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

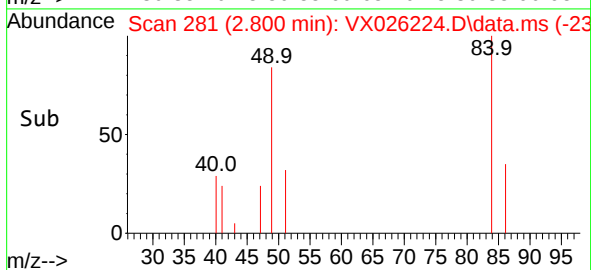
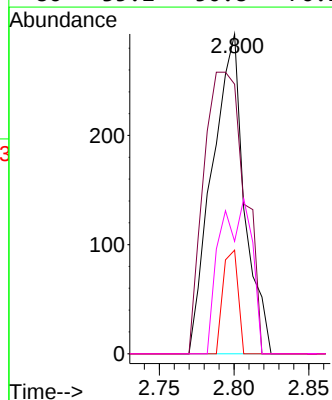
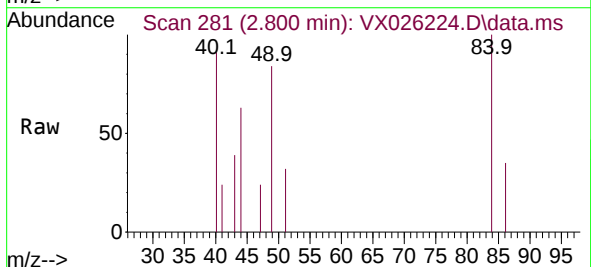
Instrument :
MSVOA_X
ClientSampleId :

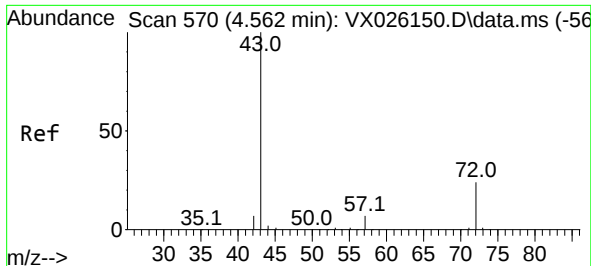
Tgt Ion: 73 Resp: 2866
Ion Ratio Lower Upper
73 100
57 27.4 17.0 25.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 84 Resp: 440
Ion Ratio Lower Upper
84 100
49 84.3 97.1 145.7#
51 32.4 29.3 43.9
86 35.2 50.8 76.2#

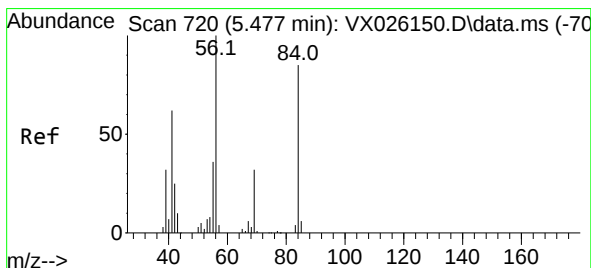
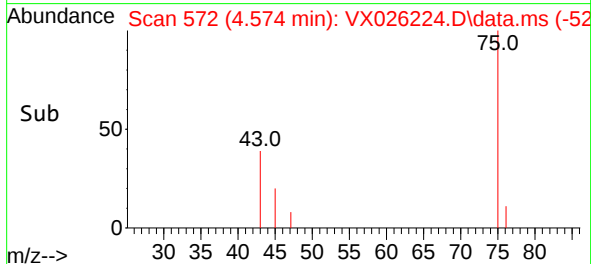
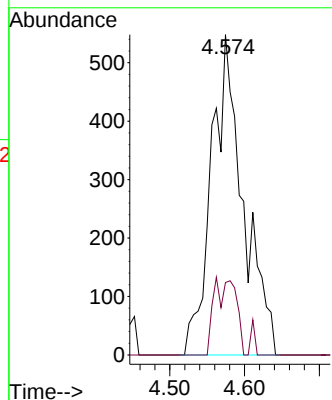
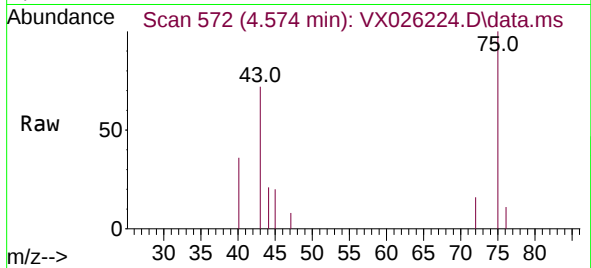




#25
2-Butanone
Concen: 0.810 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

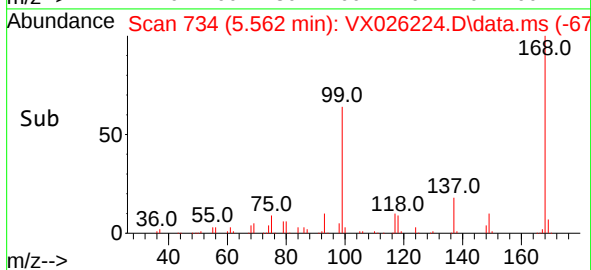
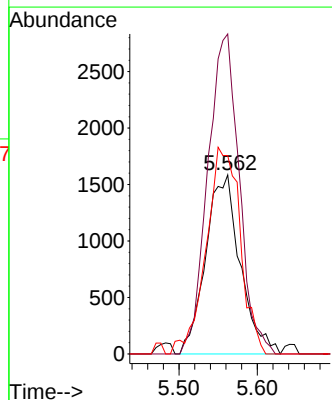
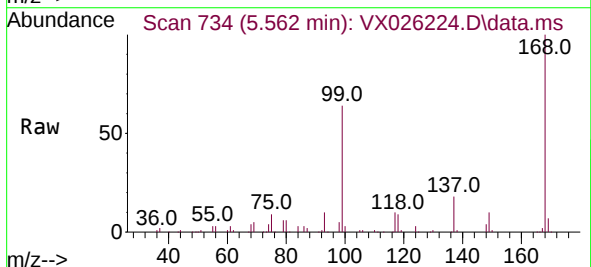
Instrument :
MSVOA_X
ClientSampleId :

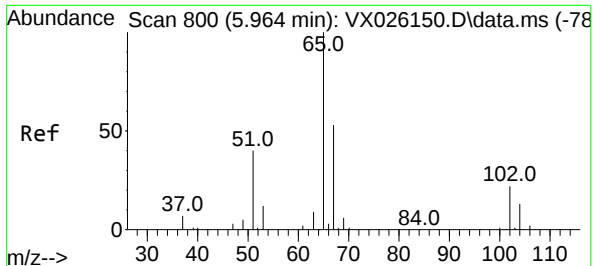
Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
72 22.6 21.0 31.4



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 56 Resp: 4856
Ion Ratio Lower Upper
56 100
69 178.7 23.9 35.9#
84 110.8 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 53.539 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

MSVOA_X

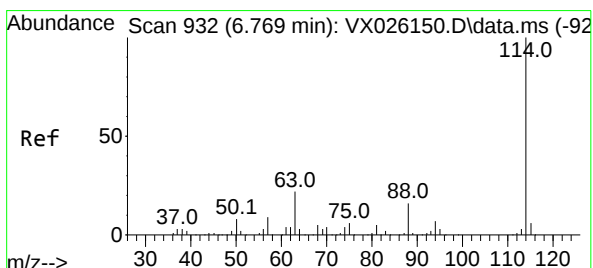
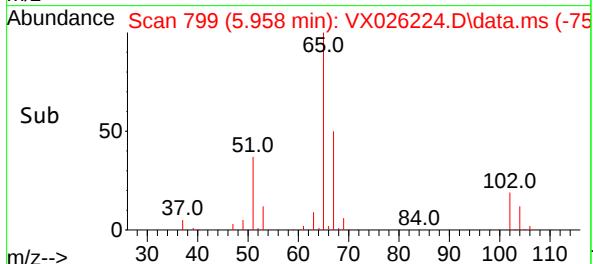
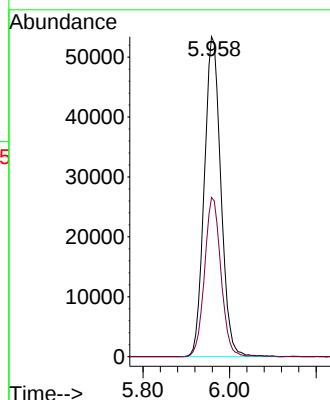
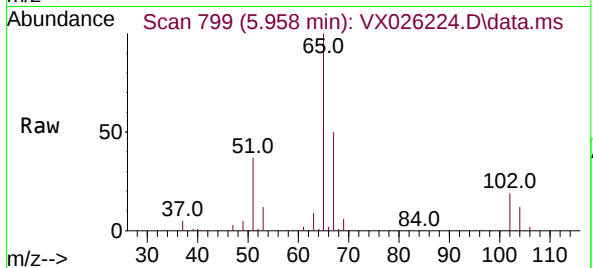
ClientSampleId :

Tgt Ion: 65 Resp: 142004

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

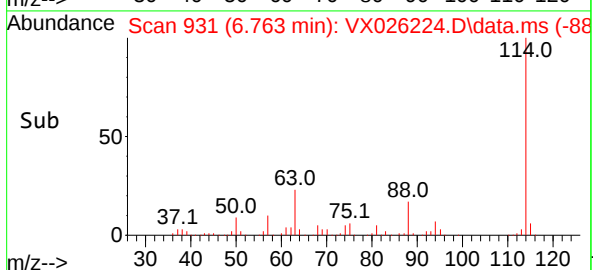
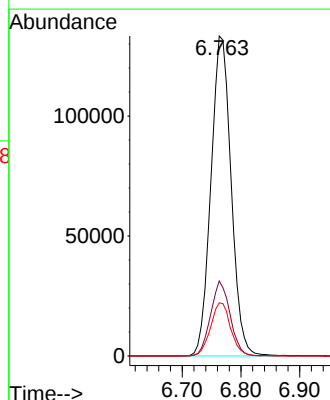
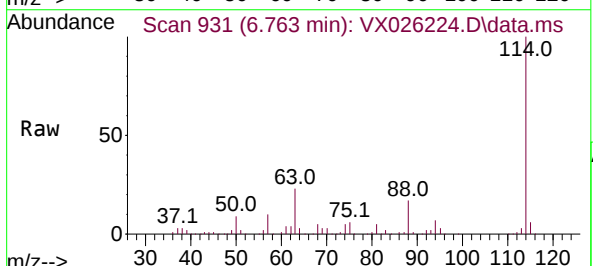
Tgt Ion: 114 Resp: 318339

Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.0

88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.313 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

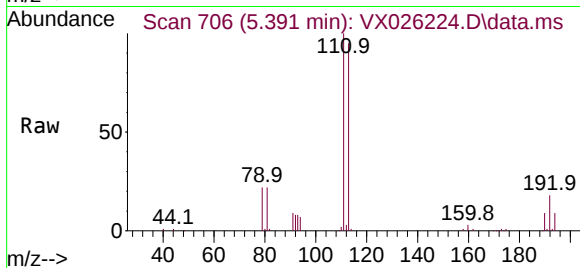
Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

MSVOA_X

ClientSampleId :



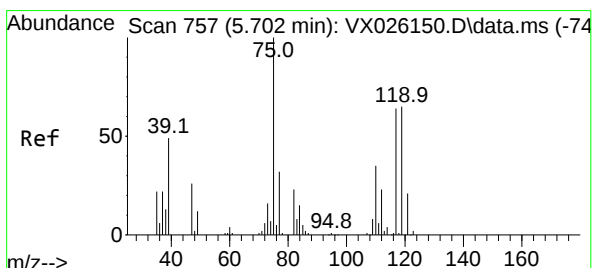
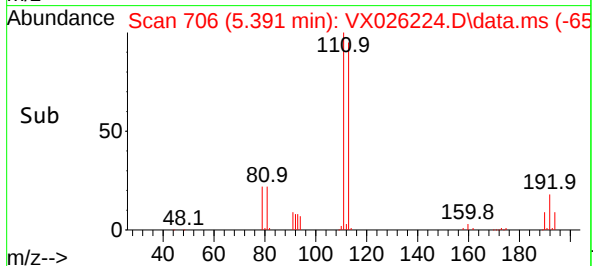
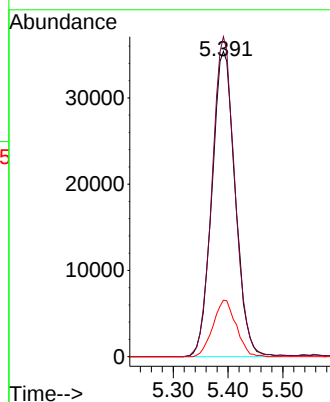
Tgt Ion:113 Resp: 104129

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 18.4 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.852 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

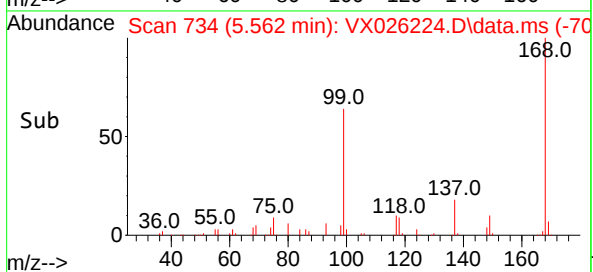
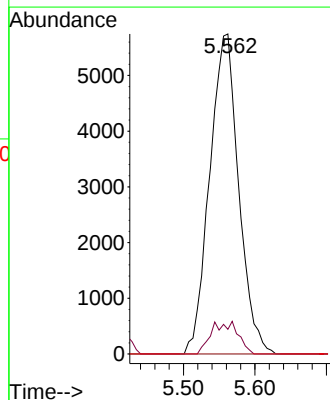
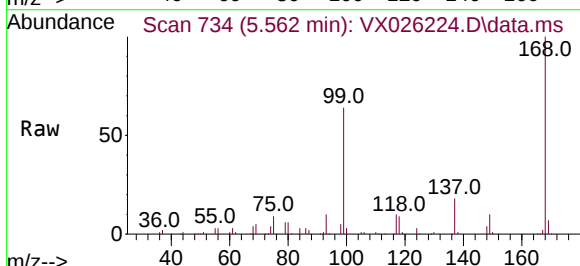
Tgt Ion: 75 Resp: 16197

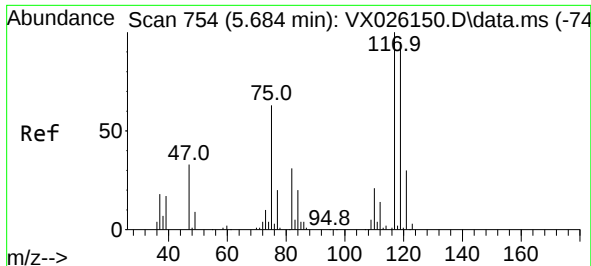
Ion Ratio Lower Upper

75 100

110 9.3 18.2 54.6#

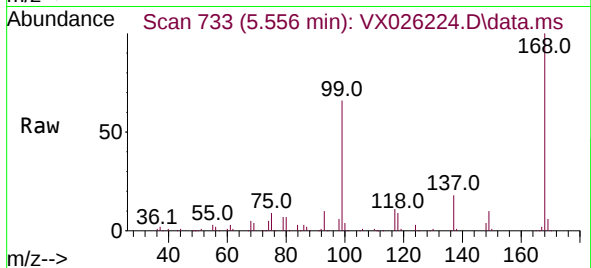
77 0.0 24.7 37.1#



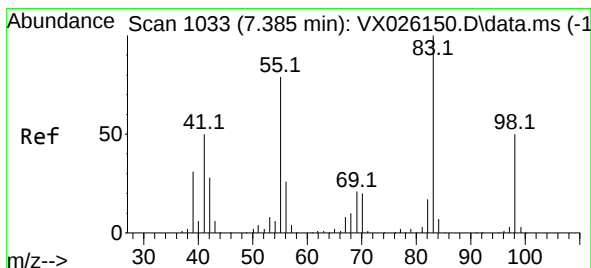
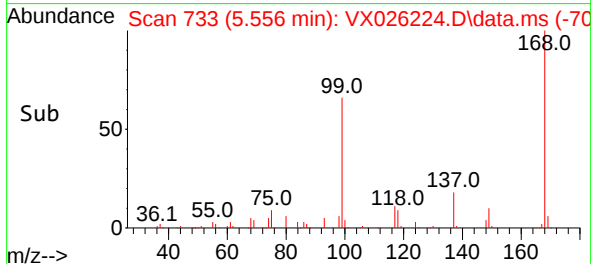
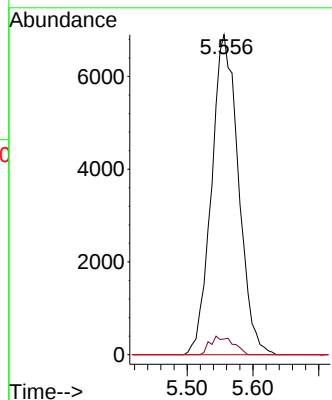


#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Instrument :
MSVOA_X
ClientSampleId :

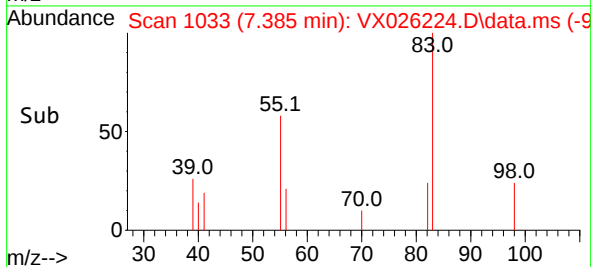
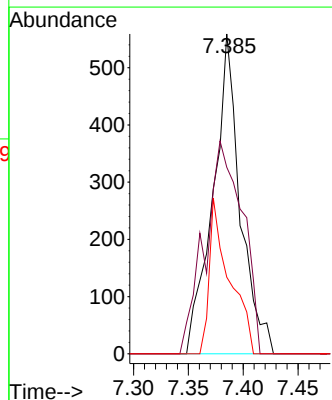
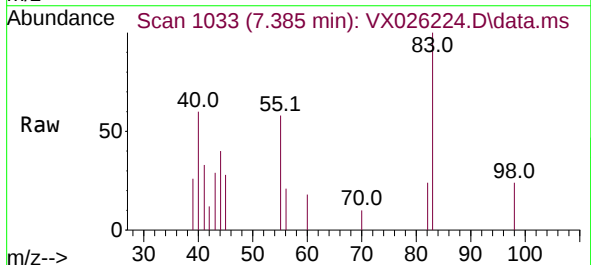


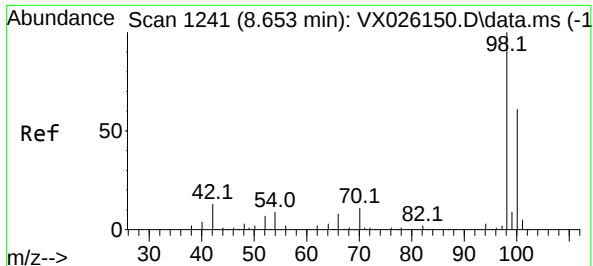
Tgt Ion:117 Resp: 19672
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 83 Resp: 965
Ion Ratio Lower Upper
83 100
55 58.3 57.8 86.8
98 24.0 40.5 60.7#





#50

Toluene-d8

Concen: 49.167 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

MSVOA_X

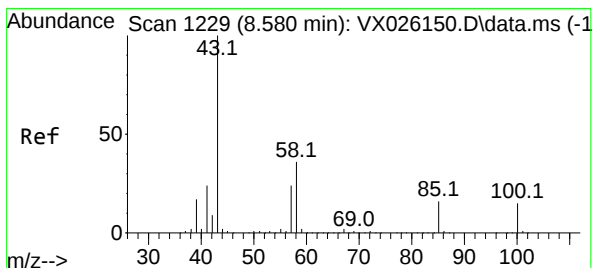
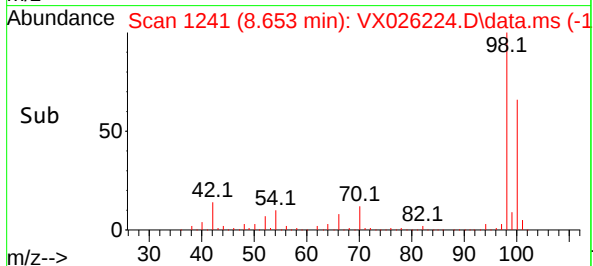
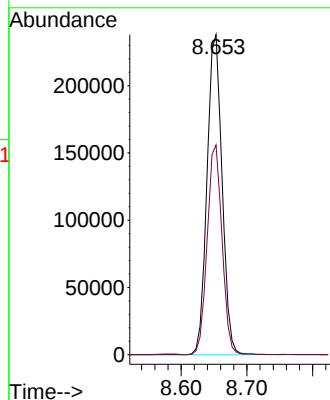
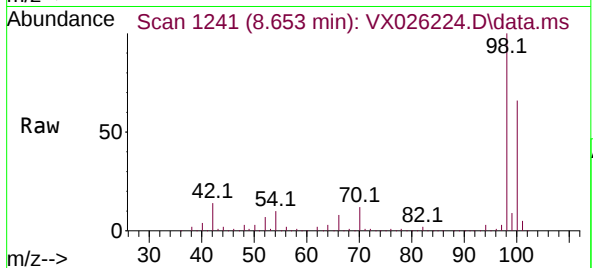
ClientSampleId :

Tgt Ion: 98 Resp: 378497

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.522 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX026224.D

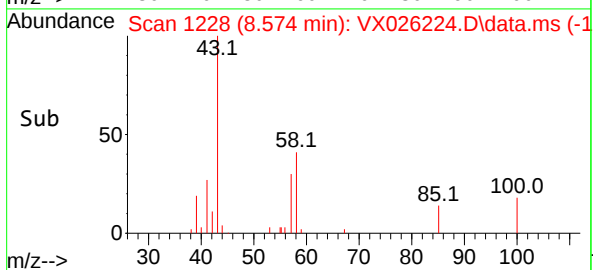
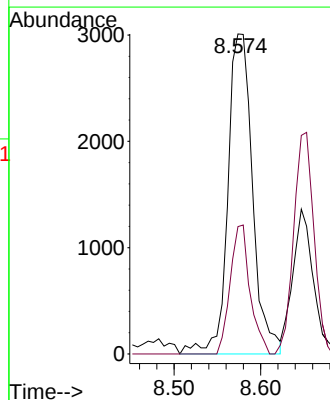
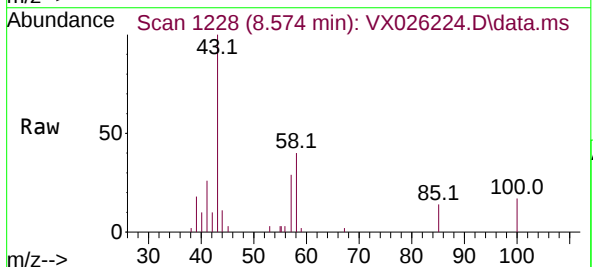
Acq: 03 Jan 2022 16:47

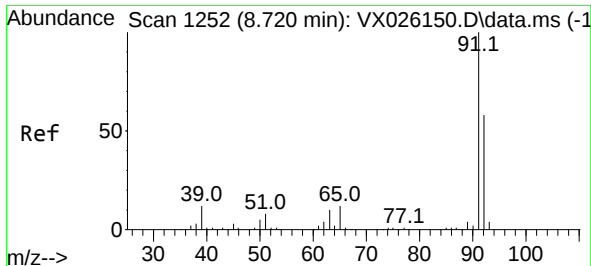
Tgt Ion: 43 Resp: 5973

Ion Ratio Lower Upper

43 100

58 32.3 30.8 46.2





#52

Toluene

Concen: 4.130 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

MSVOA_X

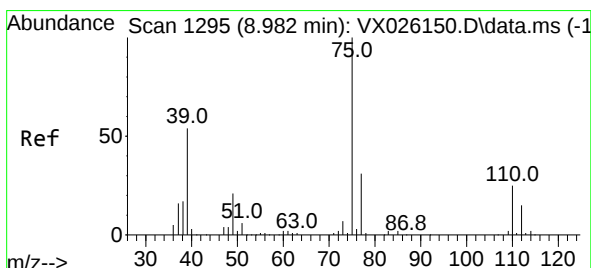
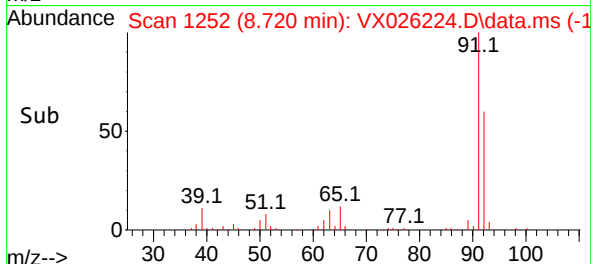
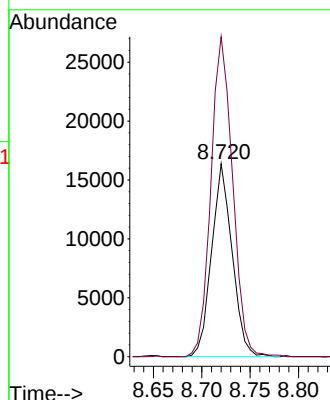
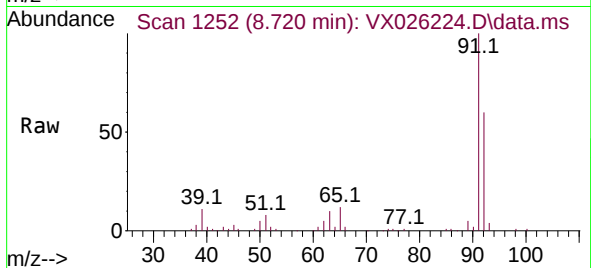
ClientSampleId :

Tgt Ion: 92 Resp: 24224

Ion Ratio Lower Upper

92 100

91 175.1 136.0 204.0



#53

t-1,3-Dichloropropene

Concen: 1.981 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.256 min

Lab File: VX026224.D

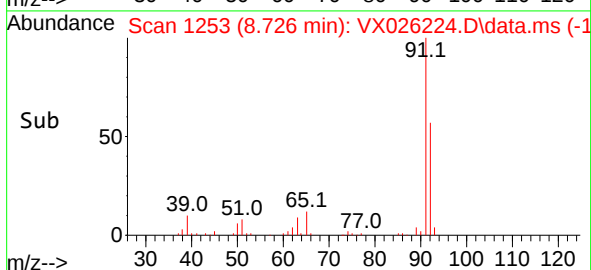
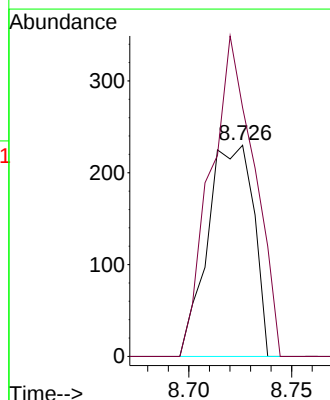
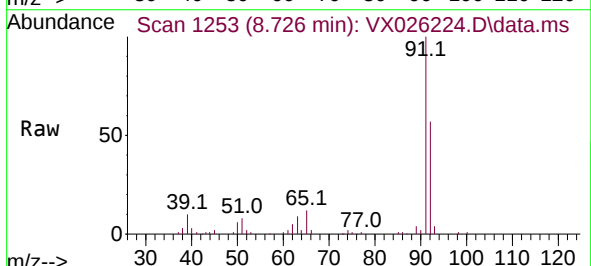
Acq: 03 Jan 2022 16:47

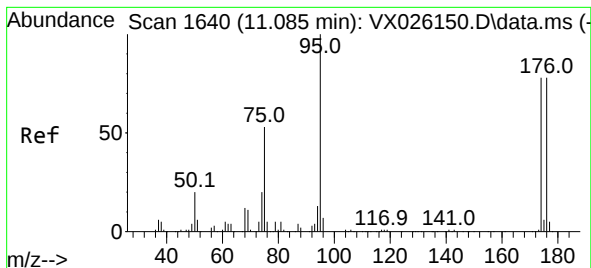
Tgt Ion: 75 Resp: 358

Ion Ratio Lower Upper

75 100

77 117.8 25.1 37.7#

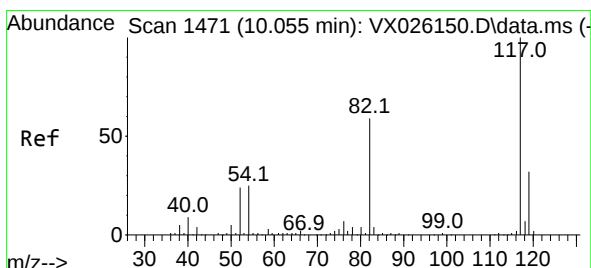
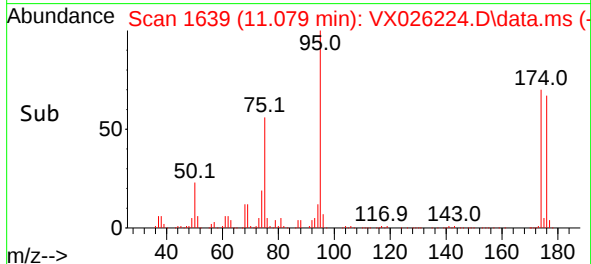
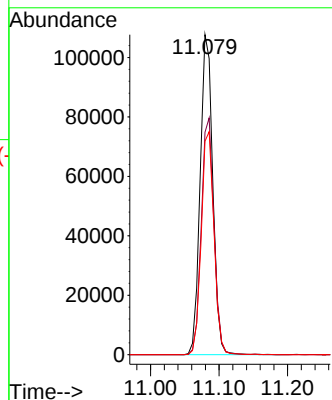
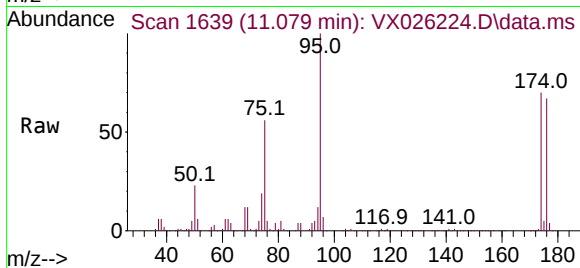




#62
4-Bromofluorobenzene
Concen: 50.273 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

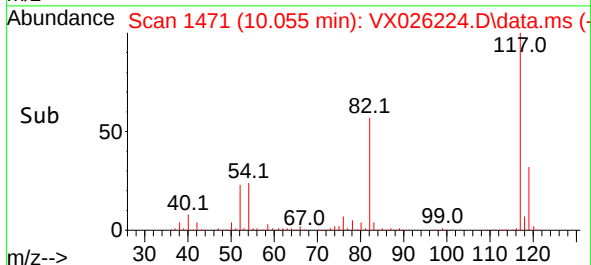
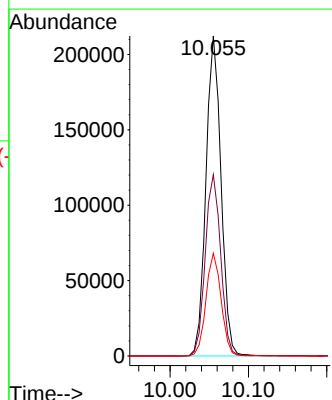
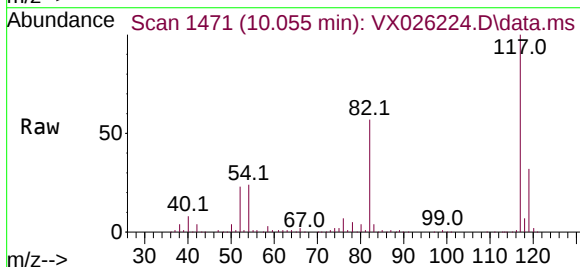
Instrument :
MSVOA_X
ClientSampleId :

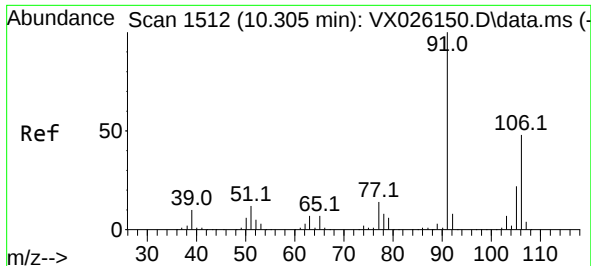
Tgt Ion: 95 Resp: 137771
Ion Ratio Lower Upper
95 100
174 74.5 0.0 157.4
176 70.6 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 117 Resp: 283494
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.6
119 32.0 25.2 37.8

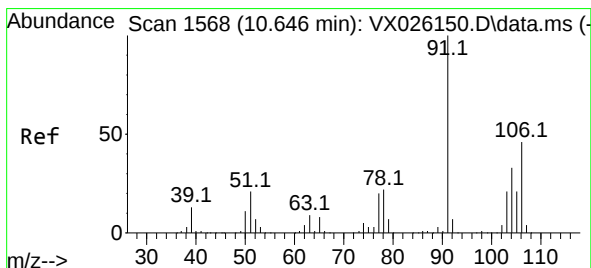
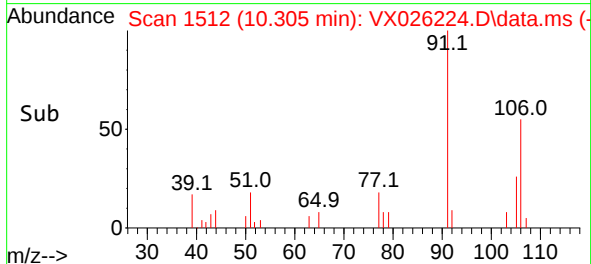
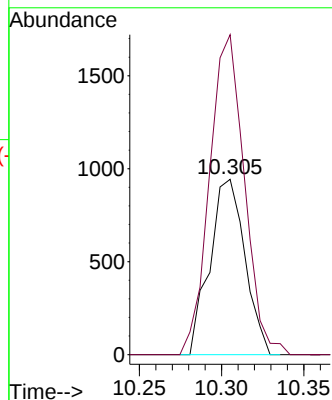
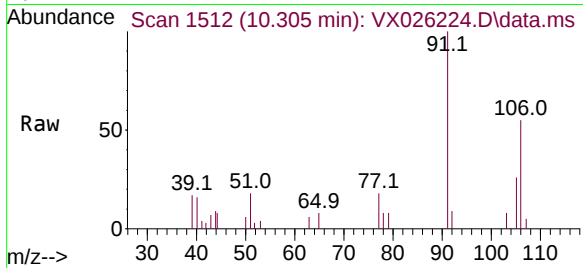




#68
m/p-Xylenes
Concen: 0.338 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

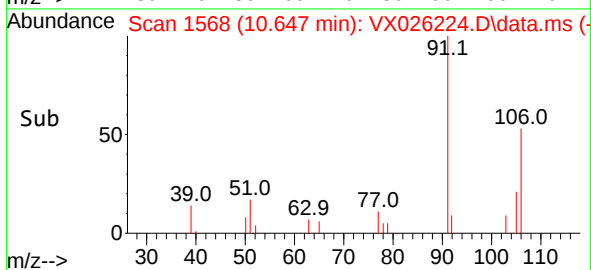
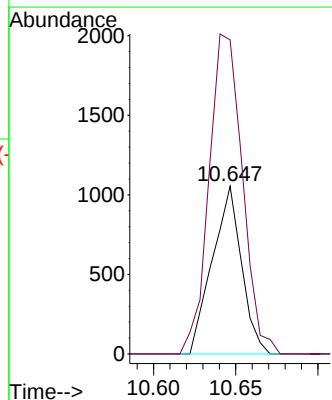
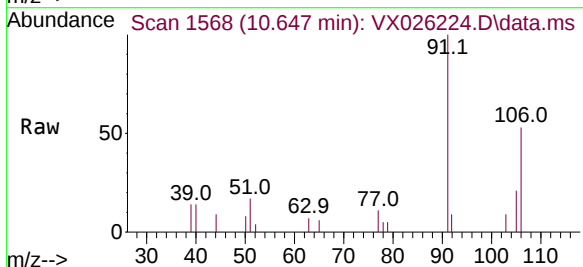
Instrument :
MSVOA_X
ClientSampleId :

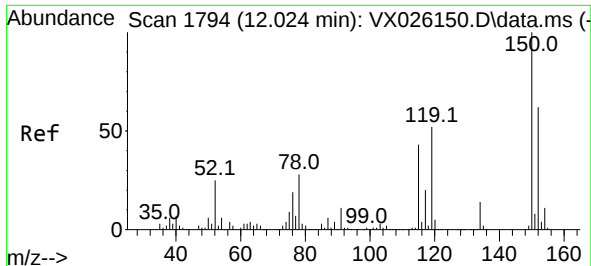
Tgt Ion:106 Resp: 1404
Ion Ratio Lower Upper
106 100
91 180.7 158.6 238.0



#69
o-Xylene
Concen: 0.321 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

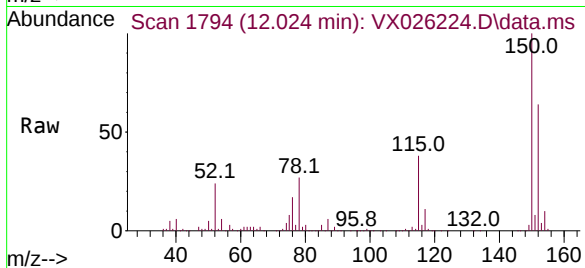
Tgt Ion:106 Resp: 1306
Ion Ratio Lower Upper
106 100
91 217.3 105.5 316.4



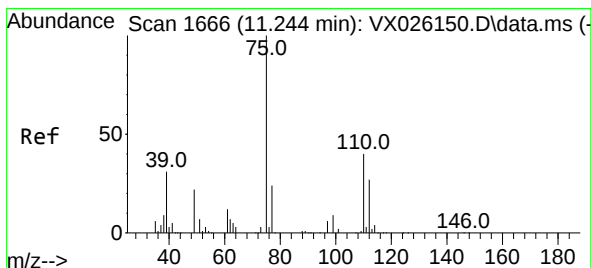
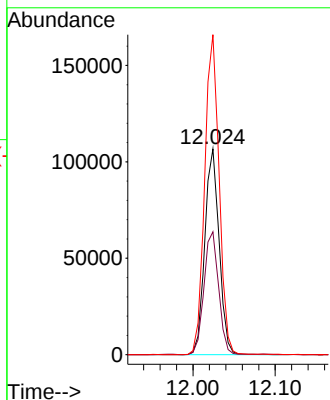
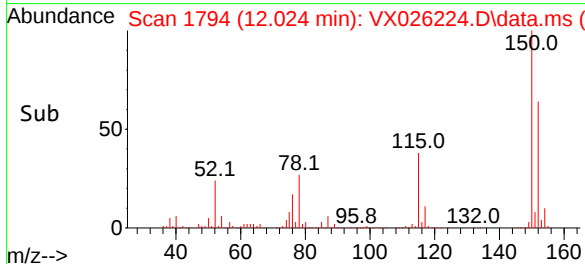


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX026224.D
 Acq: 03 Jan 2022 16:47

Instrument :
 MSVOA_X
 ClientSampleId :

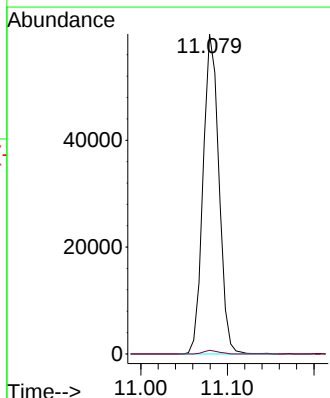
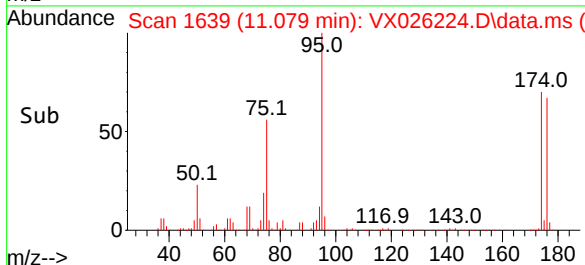
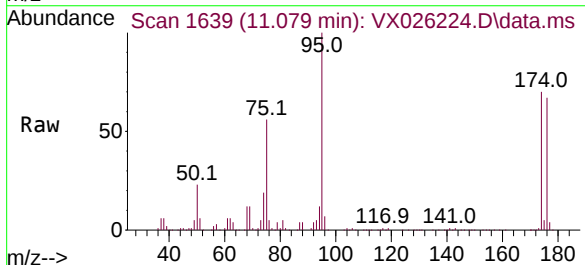


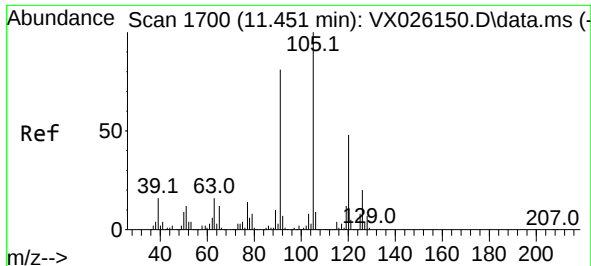
Tgt Ion:152 Resp: 129200
 Ion Ratio Lower Upper
 152 100
 115 61.2 41.3 123.9
 150 156.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.439 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026224.D
 Acq: 03 Jan 2022 16:47

Tgt Ion: 75 Resp: 76215
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#

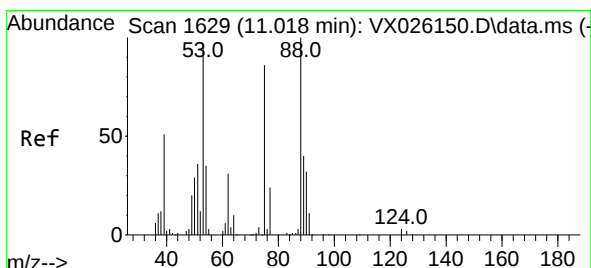
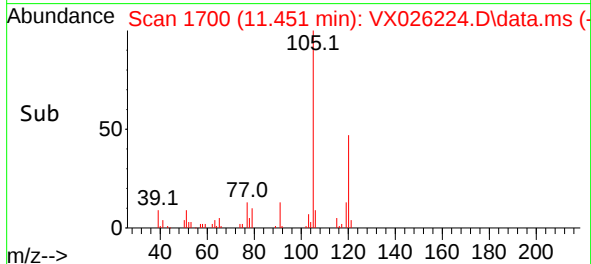
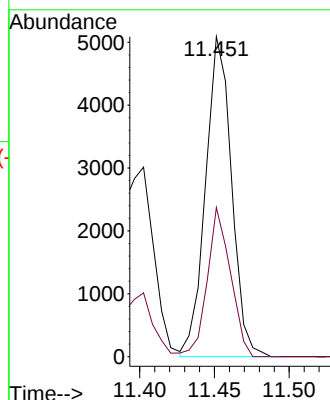
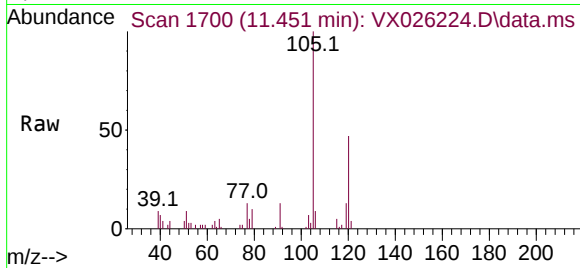




#80
1,3,5-Trimethylbenzene
Concen: 0.739 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

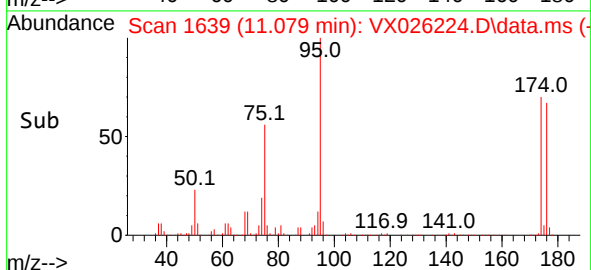
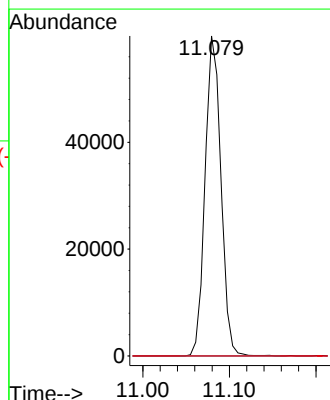
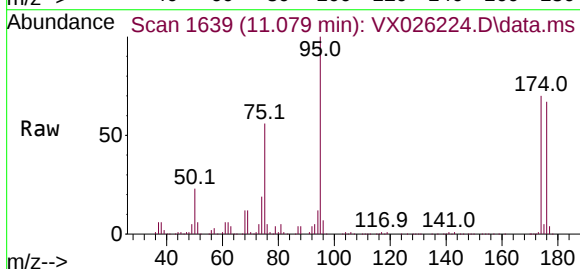
Instrument :
MSVOA_X
ClientSampleId :

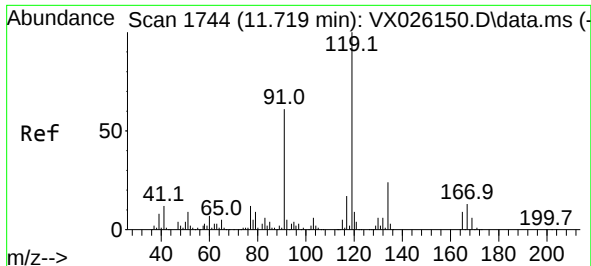
Tgt Ion:105 Resp: 6156
Ion Ratio Lower Upper
105 100
120 41.5 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 70.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 75 Resp: 76215
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

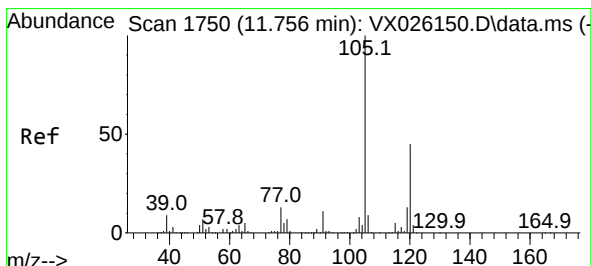
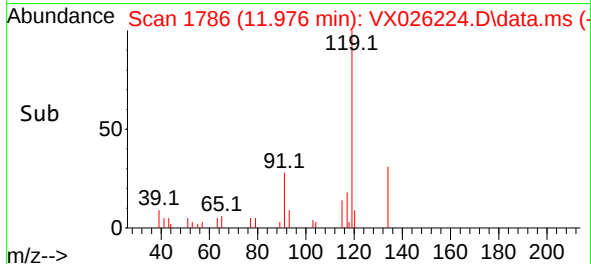
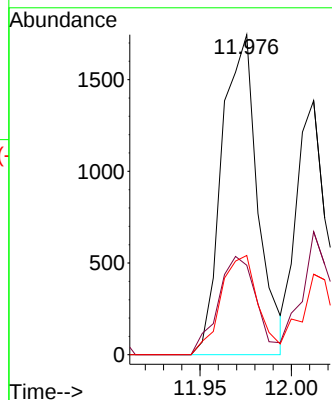
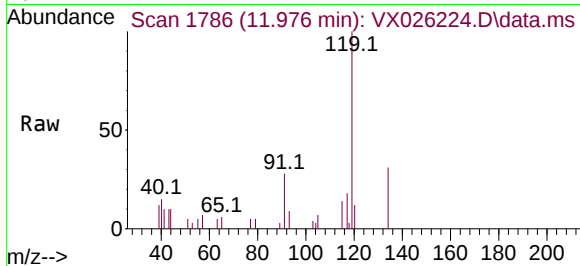




#83
tert-Butylbenzene
Concen: 0.294 ug/l
RT: 11.976 min Scan# 11
Delta R.T. 0.257 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

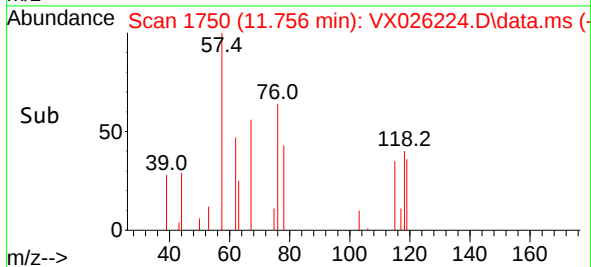
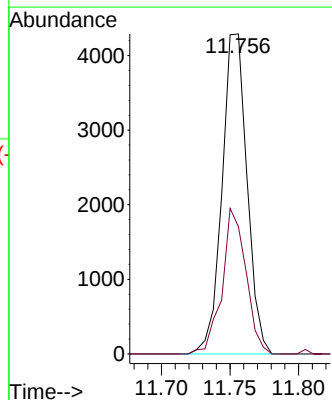
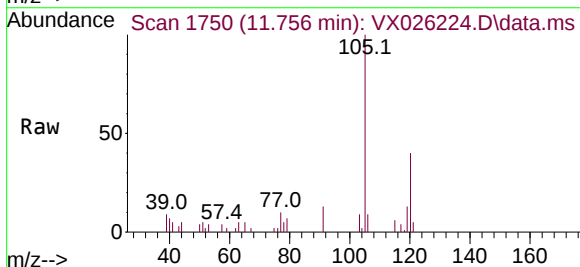
Instrument :
MSVOA_X
ClientSampleId :

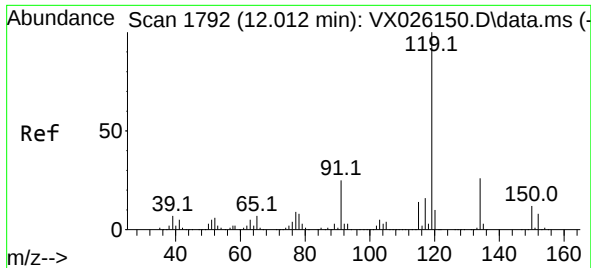
Tgt Ion:119 Resp: 2381
Ion Ratio Lower Upper
119 100
91 33.2 28.7 86.1
134 32.6 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 0.654 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion:105 Resp: 5445
Ion Ratio Lower Upper
105 100
120 43.2 22.9 68.7

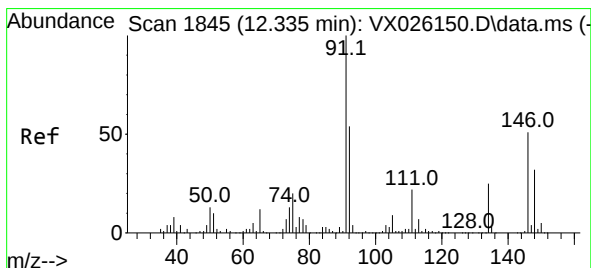
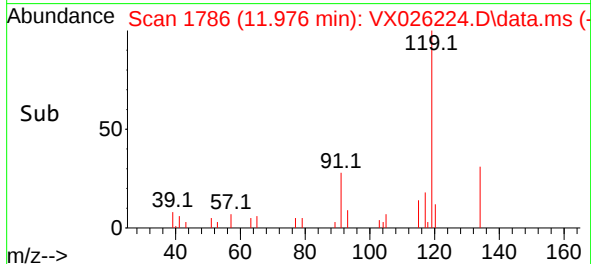
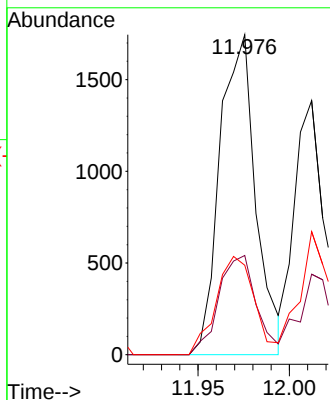
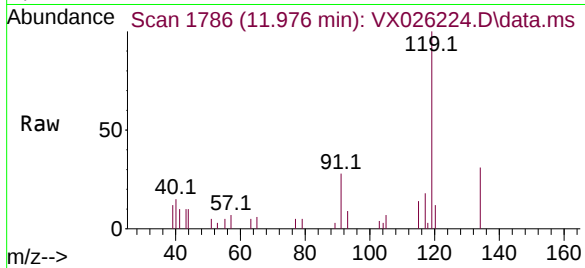




#86
p-Isopropyltoluene
Concen: 0.283 ug/l
RT: 11.976 min Scan# 119
Delta R.T. -0.036 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

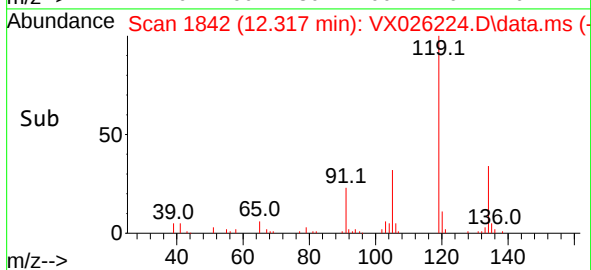
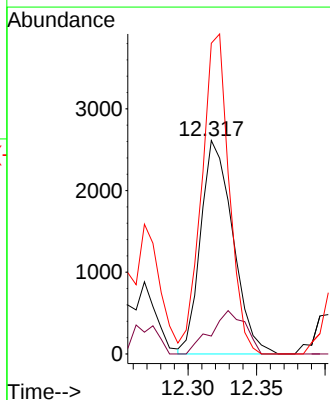
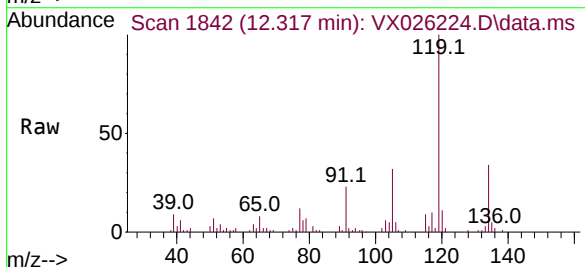
Instrument :
MSVOA_X
ClientSampleId :

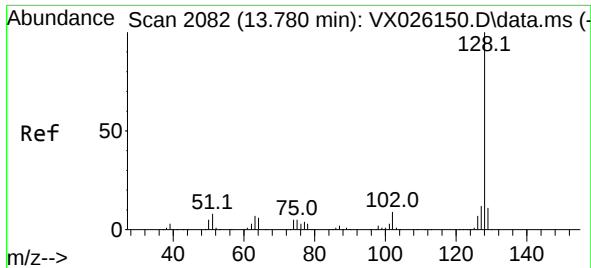
Tgt Ion:119 Resp: 2381
Ion Ratio Lower Upper
119 100
134 32.6 13.2 39.6
91 33.2 11.9 35.9



#89
n-Butylbenzene
Concen: 0.571 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX026224.D
Acq: 03 Jan 2022 16:47

Tgt Ion: 91 Resp: 4268
Ion Ratio Lower Upper
91 100
92 21.6 27.3 81.8#
134 127.5 13.5 40.4#





#95

Naphthalene

Concen: 0.298 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

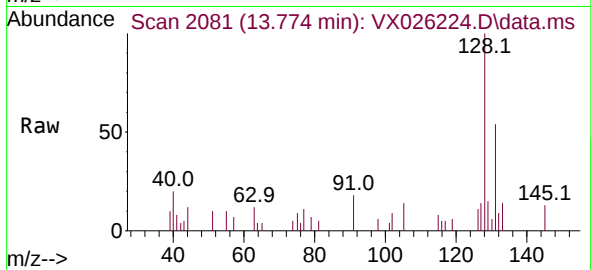
Lab File: VX026224.D

Acq: 03 Jan 2022 16:47

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2971

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

