

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026216.D
 Acq On : 03 Jan 2022 13:42
 Operator : JC/MD
 Sample : M5257-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

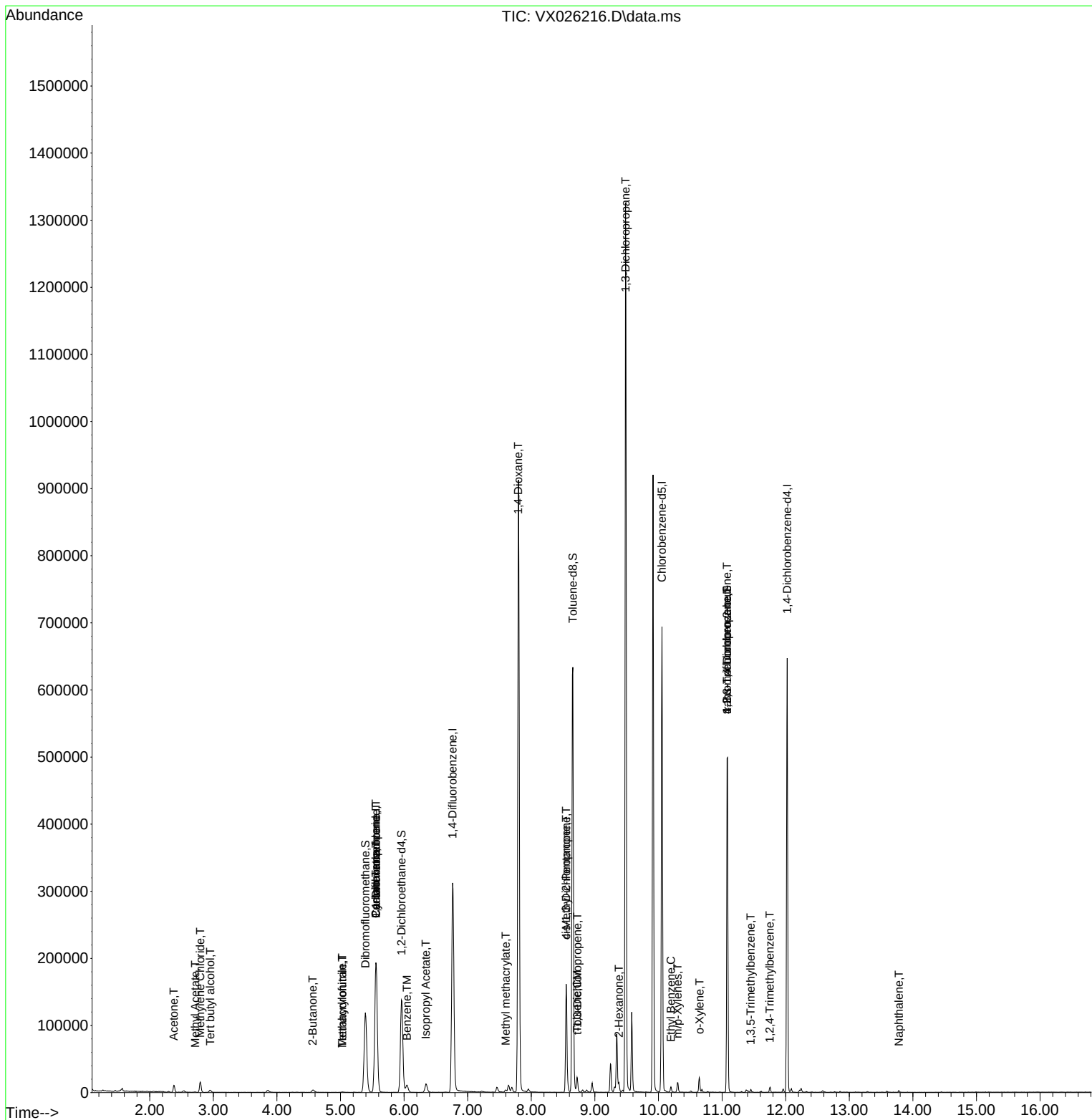
Quant Time: Jan 04 03:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

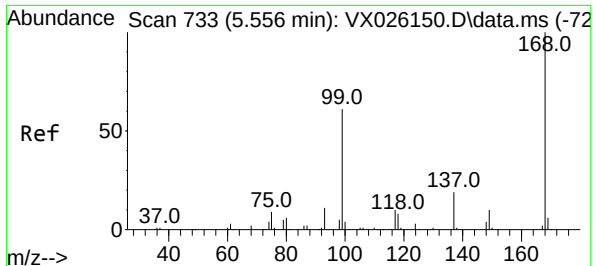
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	173995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	303118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	279286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136345	54.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.340%			
35) Dibromofluoromethane	5.391	113	101038	51.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.653	98	370177	50.501	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.079	95	130187	49.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	2456	4.885	ug/l #	75
16) Acetone	2.380	43	11505	8.436	ug/l	97
18) Methyl Acetate	2.715	43	979	0.221	ug/l #	67
20) Methylene Chloride	2.794	84	6885	2.255	ug/l	95
25) 2-Butanone	4.562	43	4894	2.576	ug/l	96
29) Tetrahydrofuran	5.025	42	516	0.431	ug/l #	52
31) Cyclohexane	5.556	56	4357	1.215	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	15462	4.865	ug/l #	49
38) Carbon Tetrachloride	5.556	117	18865	5.336	ug/l #	17
40) Benzene	6.044	78	11671	1.287	ug/l	97
41) Methacrylonitrile	5.025	41	483	0.232	ug/l #	41
43) Isopropyl Acetate	6.342	43	17300	2.880	ug/l	96
48) Methyl methacrylate	7.598	41	5291	1.837	ug/l #	12
49) 1,4-Dioxane	7.793	88	49	0.923	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59489	15.915	ug/l #	49
52) Toluene	8.720	92	7373	1.320	ug/l	100
53) t-1,3-Dichloropropene	8.726	75	22	1.899	ug/l #	1
54) cis-1,3-Dichloropropene	8.549	75	23294	6.294	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	11192	2.847	ug/l #	42
59) 2-Hexanone	9.378	43	7283	2.572	ug/l #	25
67) Ethyl Benzene	10.195	91	4349	0.396	ug/l	95
68) m/p-Xylenes	10.299	106	3440	0.840	ug/l	98
69) o-Xylene	10.646	106	1330	0.332	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	73236	24.825	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1830	0.232	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	73236	71.818	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.750	105	3543	0.450	ug/l	97
95) Naphthalene	13.780	128	1890	0.200	ug/l #	95

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

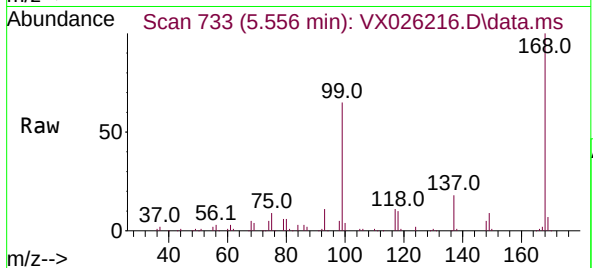
Quant Time: Jan 04 03:49:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



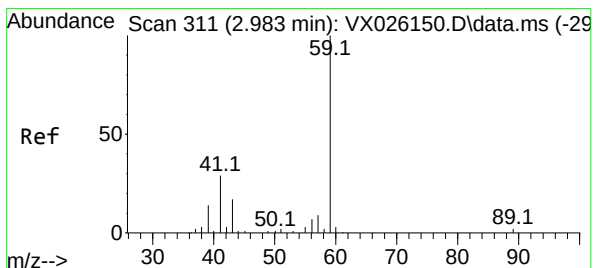
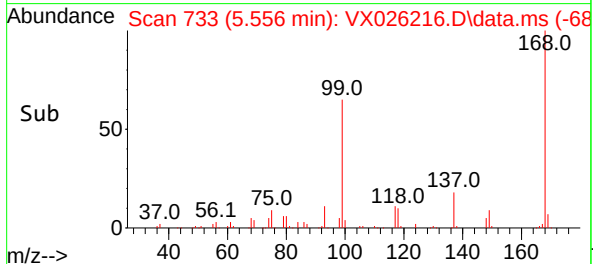
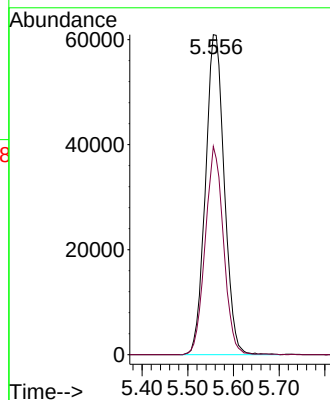


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :

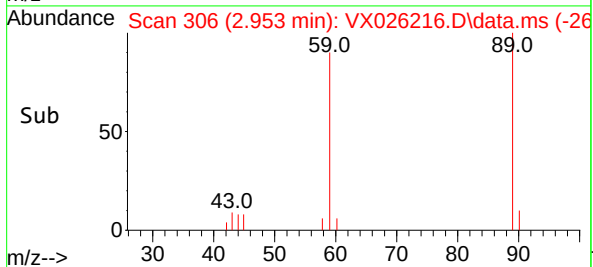
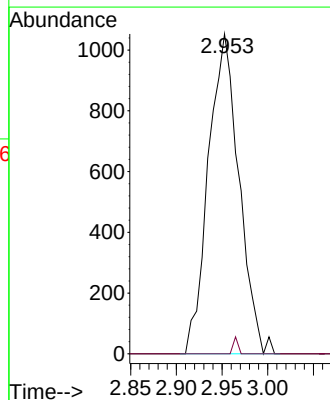
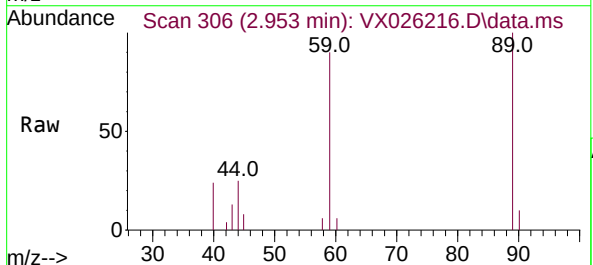


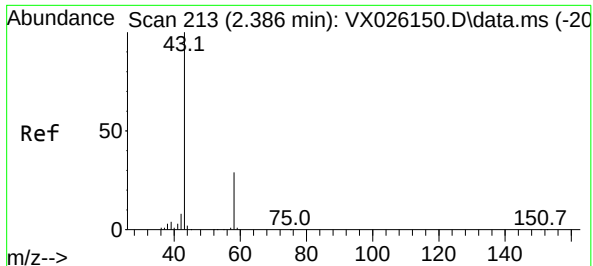
Tgt Ion:168 Resp: 173995
Ion Ratio Lower Upper
168 100
99 65.1 45.8 68.8



#11
Tert butyl alcohol
Concen: 4.885 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 59 Resp: 2456
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.2#

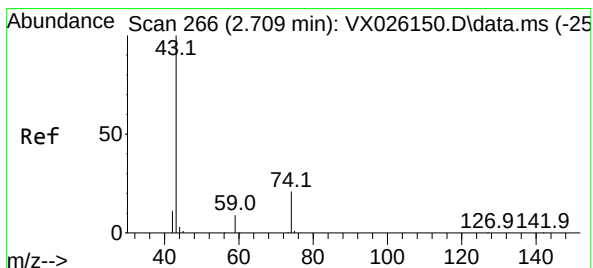
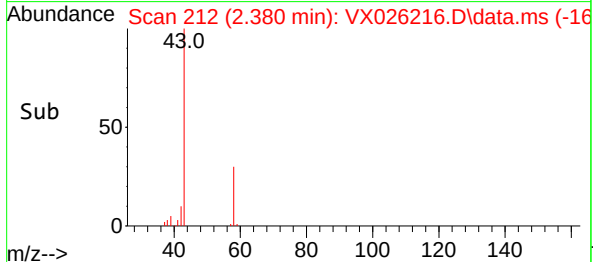
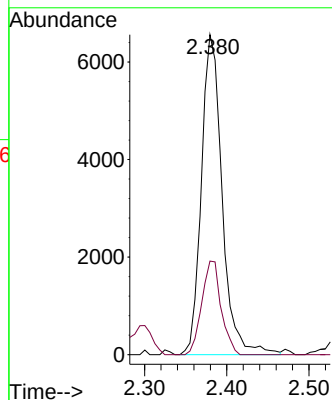
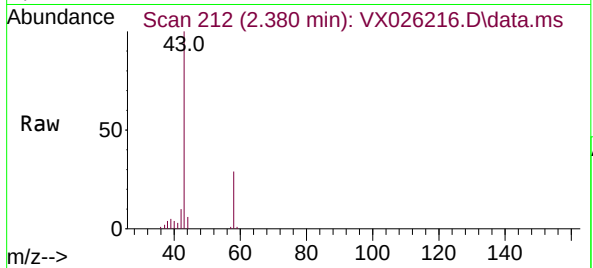




#16
Acetone
Concen: 8.436 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

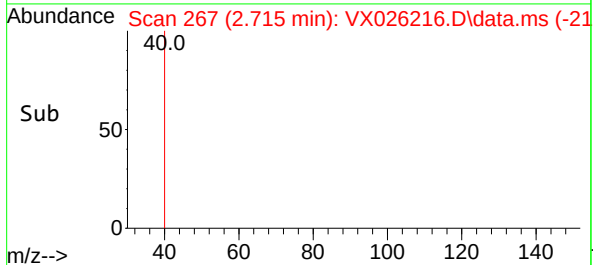
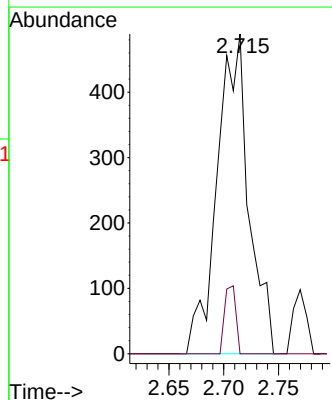
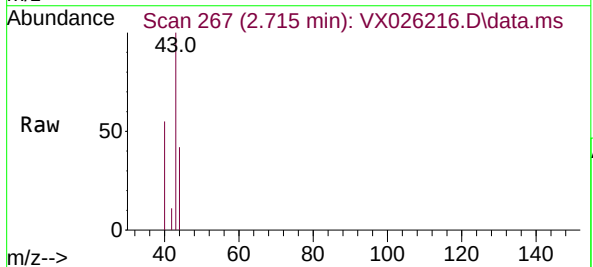
Instrument :
MSVOA_X
ClientSampleId :

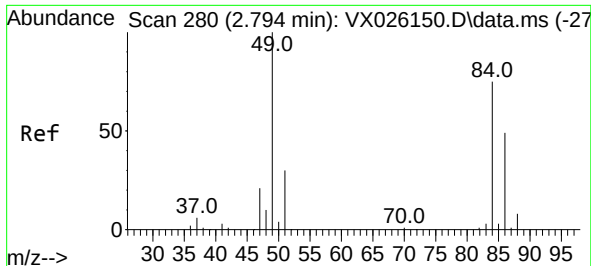
Tgt Ion: 43 Resp: 11505
Ion Ratio Lower Upper
43 100
58 29.3 24.8 37.2



#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

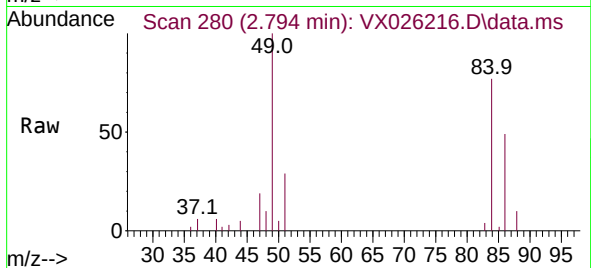
Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
74 7.6 19.1 28.7#



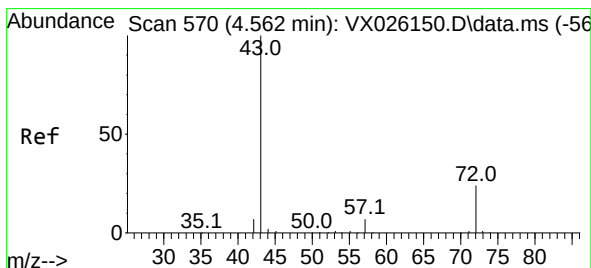
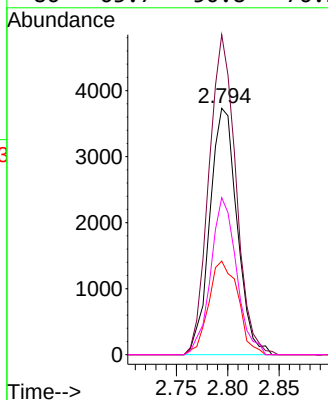
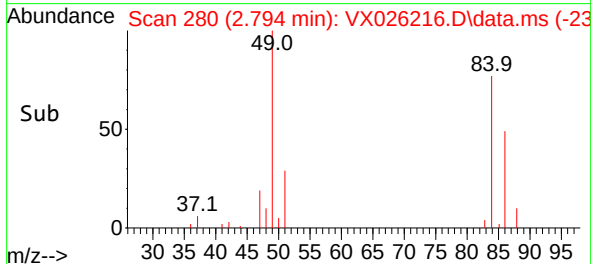


#20
Methylene Chloride
Concen: 2.255 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :

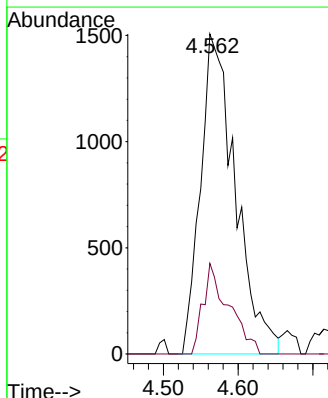
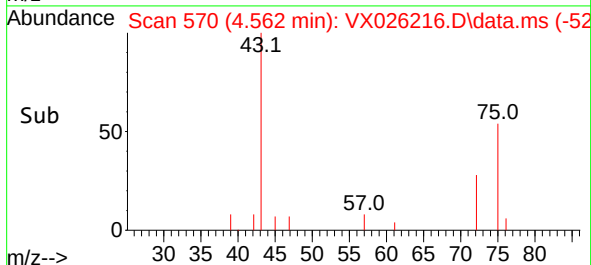
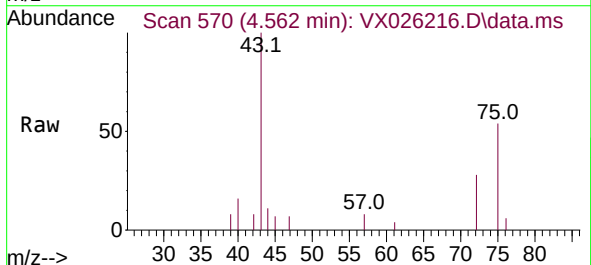


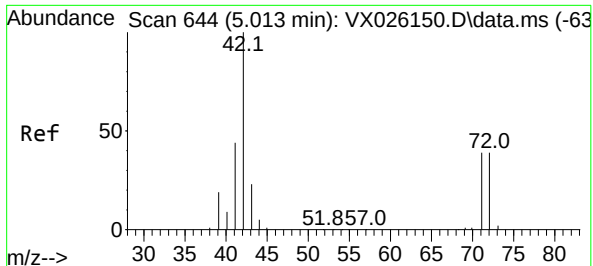
Tgt Ion:	84	Resp:	6885
Ion	Ratio	Lower	Upper
84	100		
49	129.9	97.1	145.7
51	38.0	29.3	43.9
86	63.7	50.8	76.2



#25
2-Butanone
Concen: 2.576 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion:	43	Resp:	4894
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.431 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

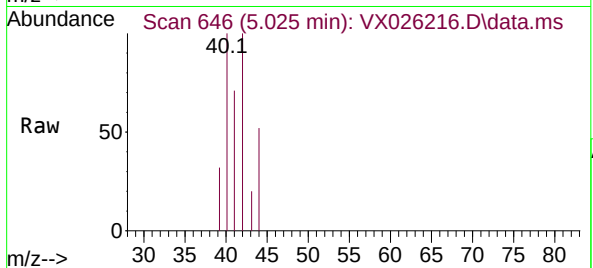
Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

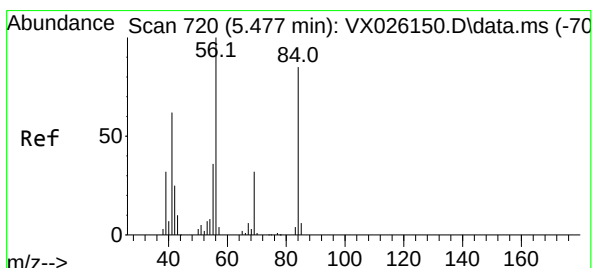
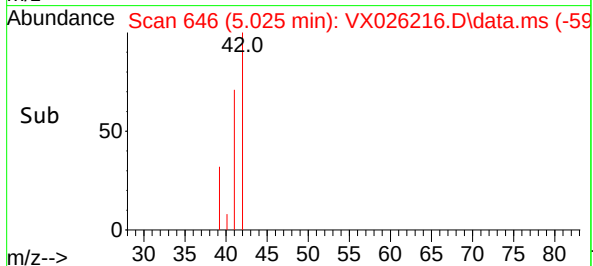
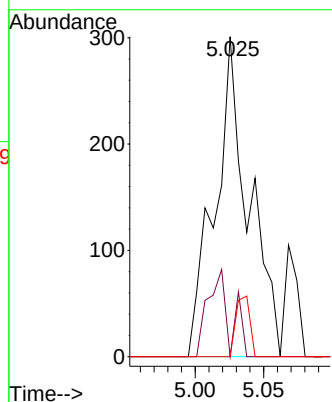
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	516
Ion Ratio	Lower	Upper	
42	100		
72	18.0	37.0	55.6#
71	7.8	34.1	51.1#



#31

Cyclohexane

Concen: 1.215 ug/l

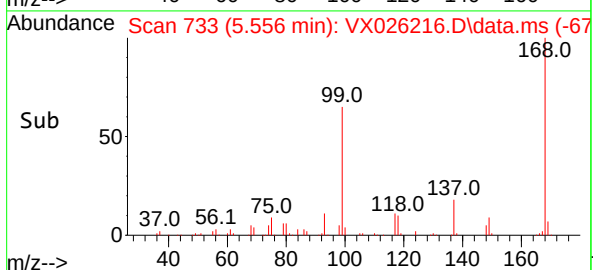
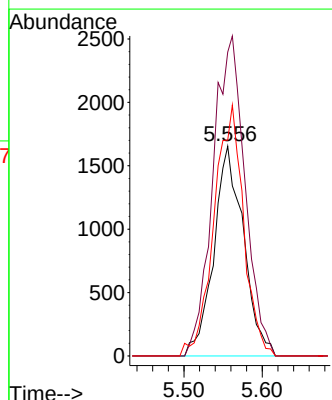
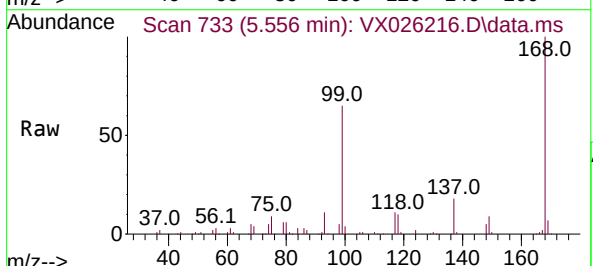
RT: 5.556 min Scan# 733

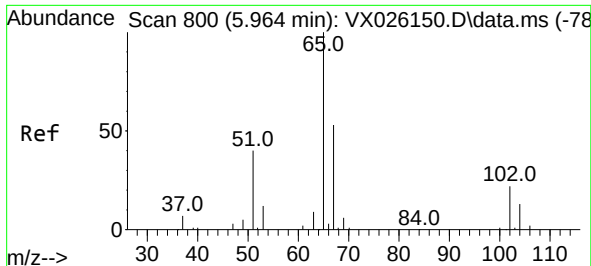
Delta R.T. 0.079 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Tgt Ion:	56	Resp:	4357
Ion Ratio	Lower	Upper	
56	100		
69	144.8	23.9	35.9#
84	102.8	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 54.165 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Instrument :

MSVOA_X

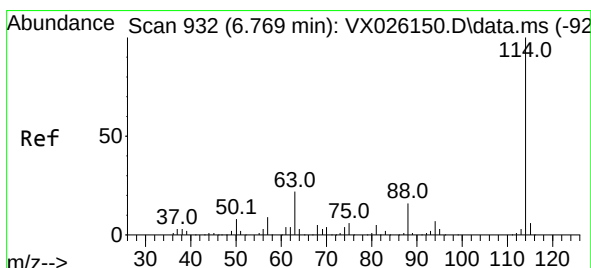
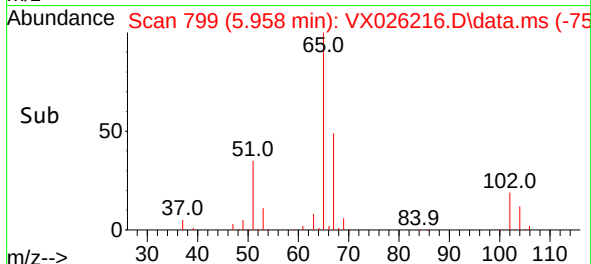
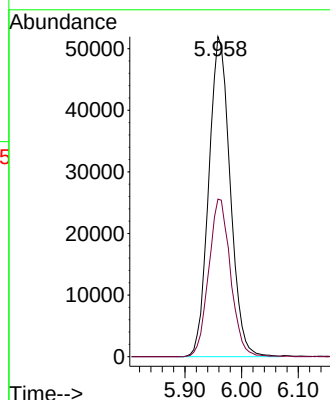
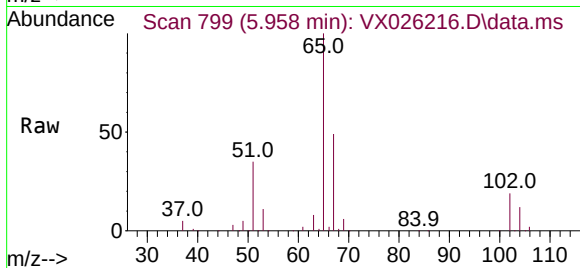
ClientSampleId :

Tgt Ion: 65 Resp: 136345

Ion Ratio Lower Upper

65 100

67 50.1 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: VX026216.D

Acq: 03 Jan 2022 13:42

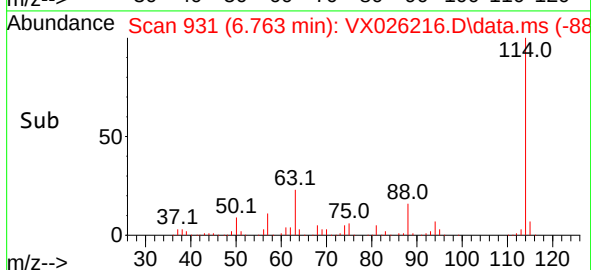
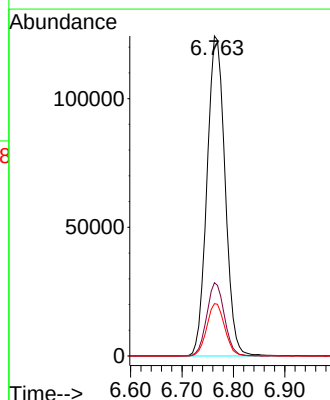
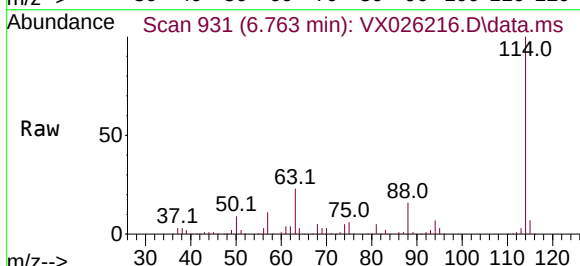
Tgt Ion: 114 Resp: 303118

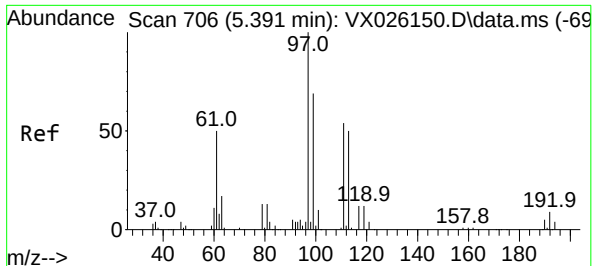
Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.0

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.271 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

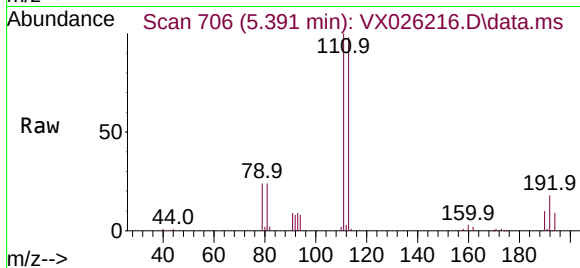
Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Instrument :

MSVOA_X

ClientSampleId :



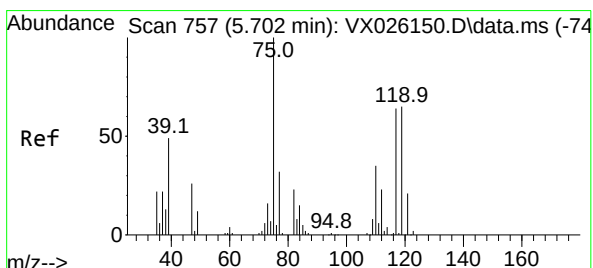
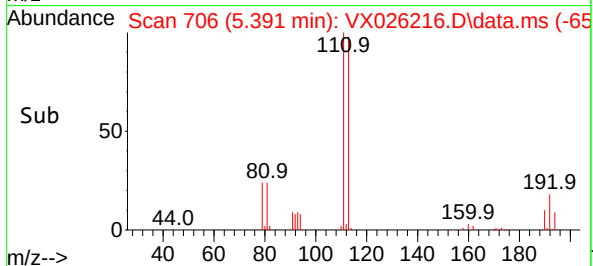
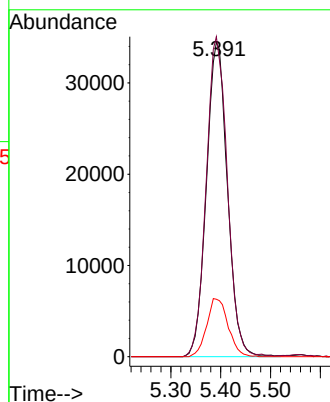
Tgt Ion:113 Resp: 101038

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

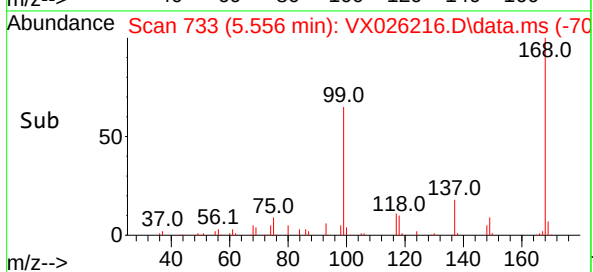
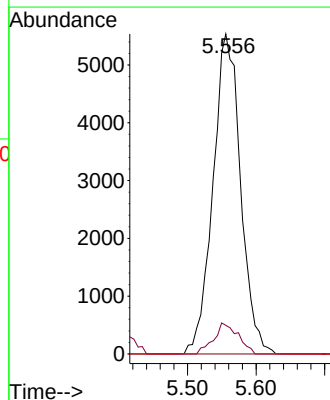
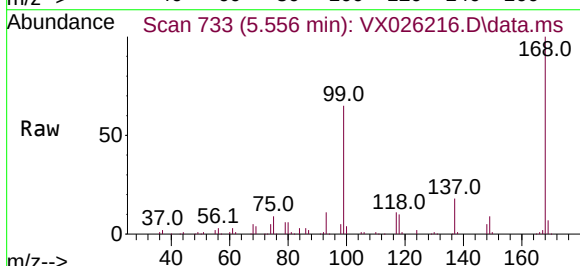
Tgt Ion: 75 Resp: 15462

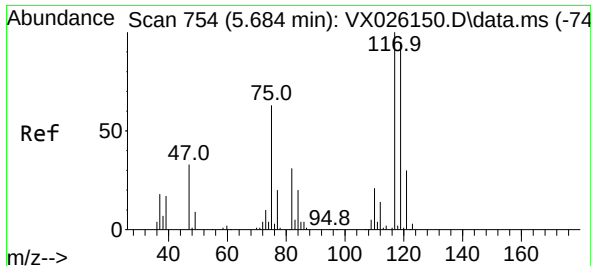
Ion Ratio Lower Upper

75 100

110 8.6 18.2 54.6#

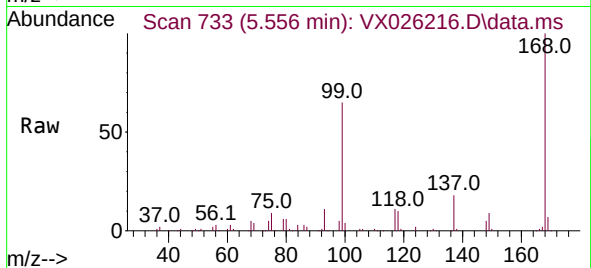
77 0.0 24.7 37.1#



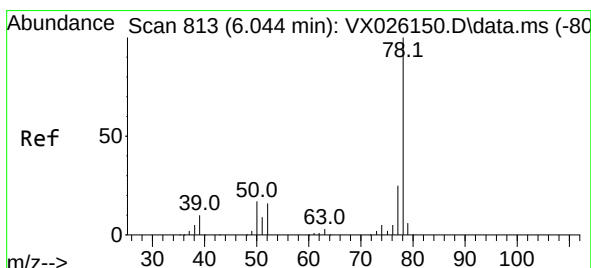
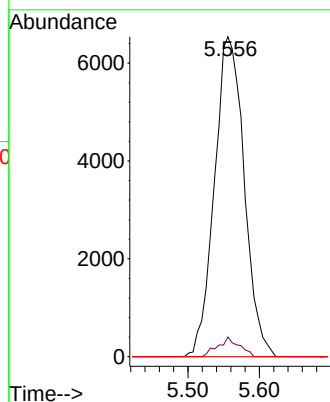
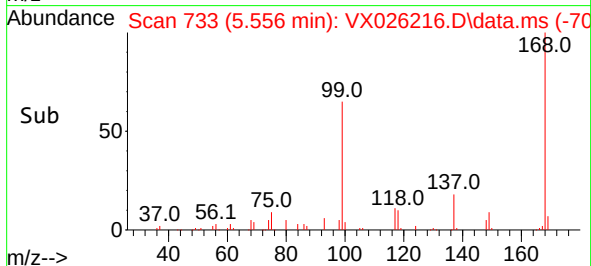


#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :

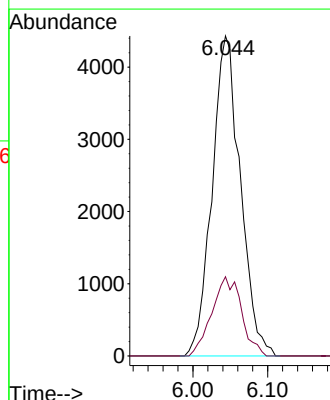
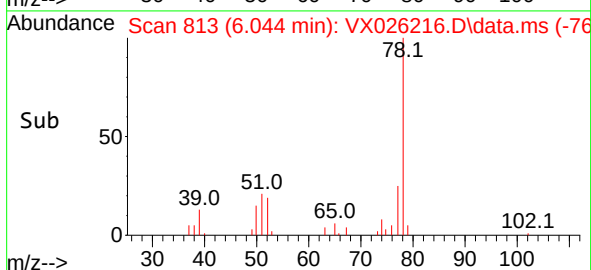
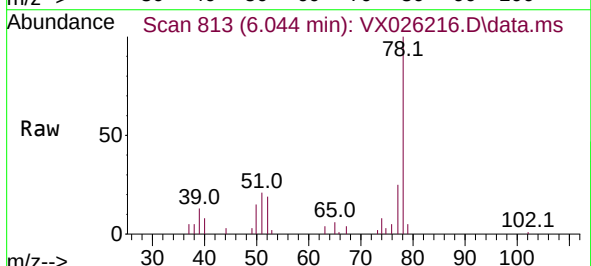


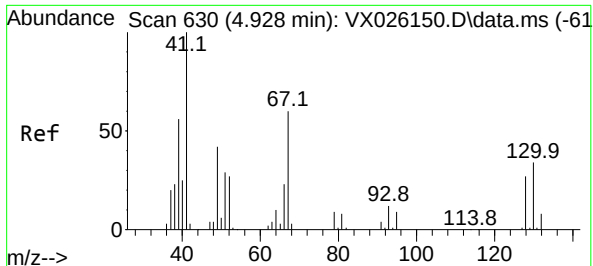
Tgt Ion:117 Resp: 18865
Ion Ratio Lower Upper
117 100
119 6.2 77.2 115.8#
121 0.0 23.8 35.8#



#40
Benzene
Concen: 1.287 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 78 Resp: 11671
Ion Ratio Lower Upper
78 100
77 24.8 18.6 27.8

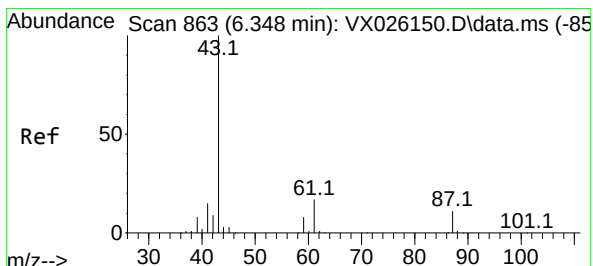
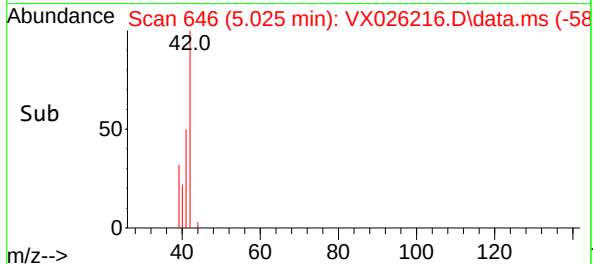
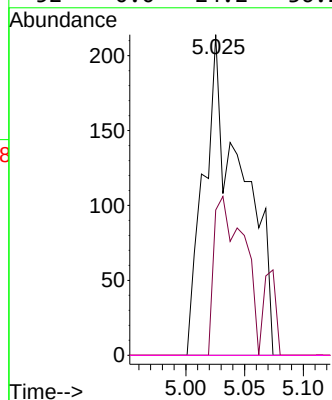
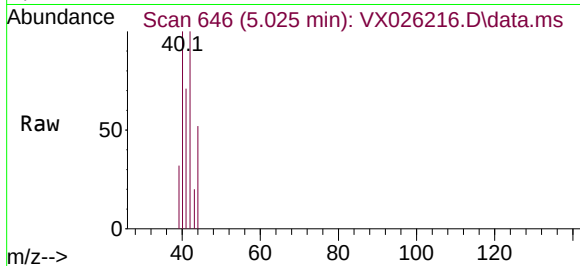




#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

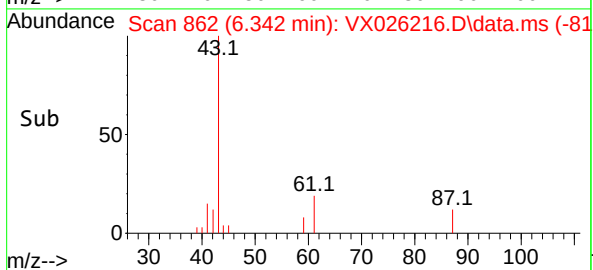
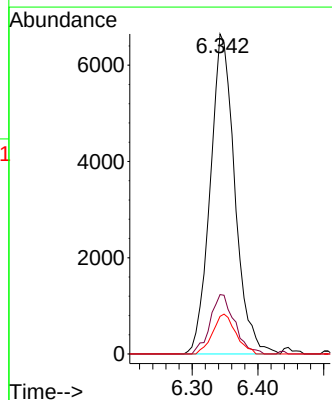
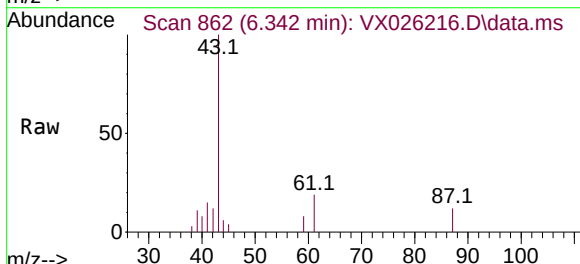
Instrument :
MSVOA_X
ClientSampleId :

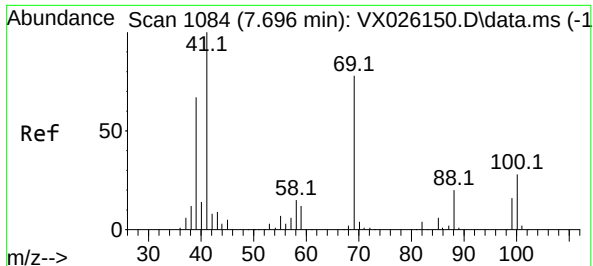
Tgt Ion: 41	Resp: 483
Ion Ratio	Lower Upper
41 100	
39 38.5	44.2 66.2#
67 0.0	59.7 89.5#
52 0.0	24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.880 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 43	Resp: 17300
Ion Ratio	Lower Upper
43 100	
61 18.4	15.7 23.5
87 11.7	11.2 16.8





#48

Methyl methacrylate

Concen: 1.837 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Instrument :

MSVOA_X

ClientSampleId :

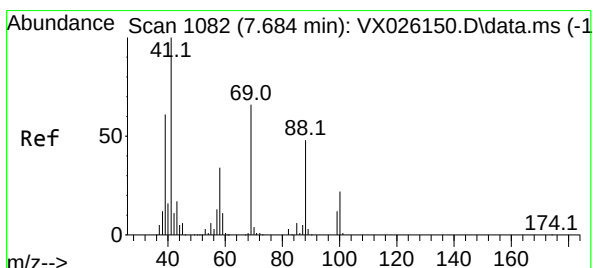
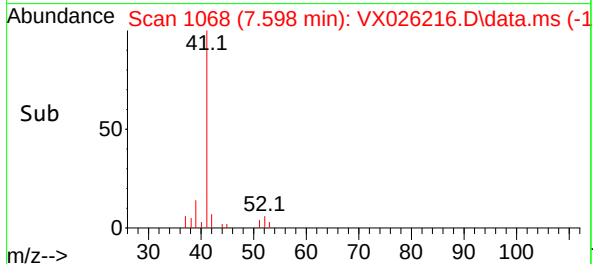
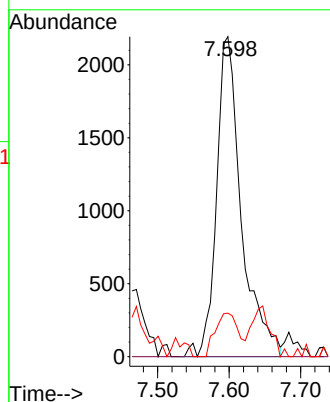
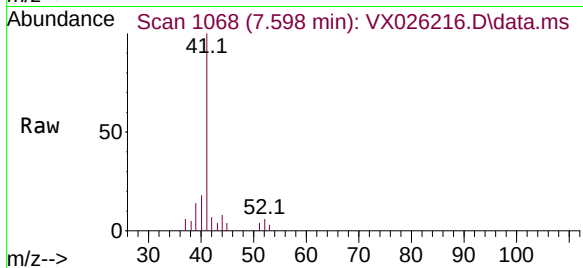
Tgt Ion: 41 Resp: 5291

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 0.923 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.109 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

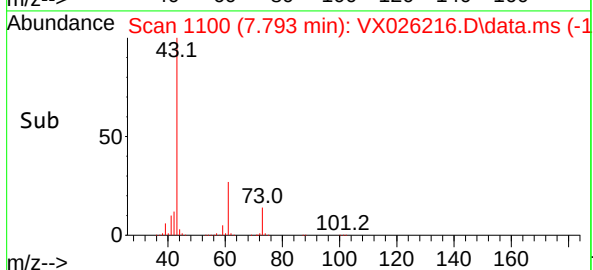
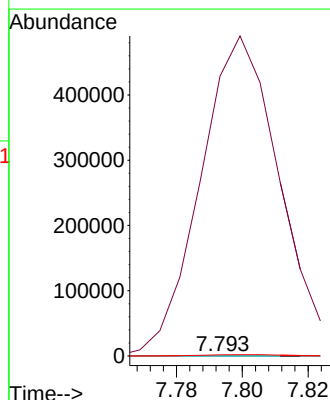
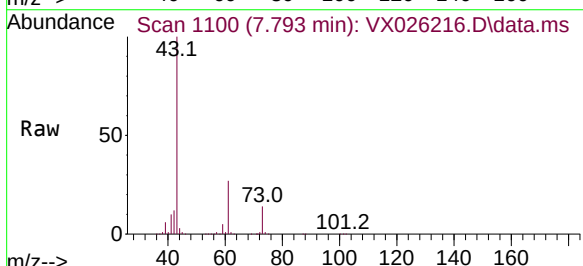
Tgt Ion: 88 Resp: 49

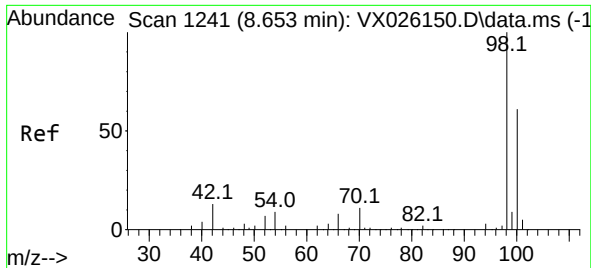
Ion Ratio Lower Upper

88 100

43 1695159.2 25.3 37.9#

58 7336.7 51.8 77.6#

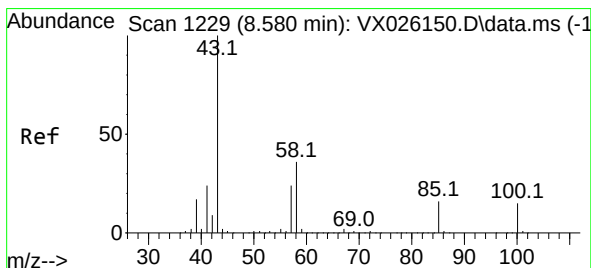
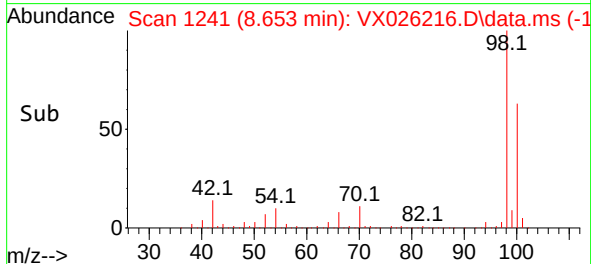
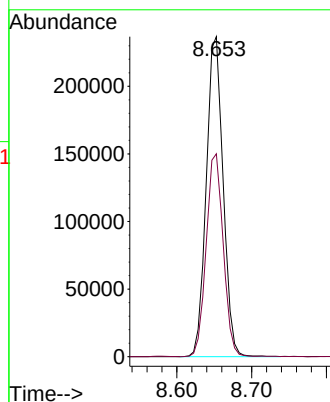
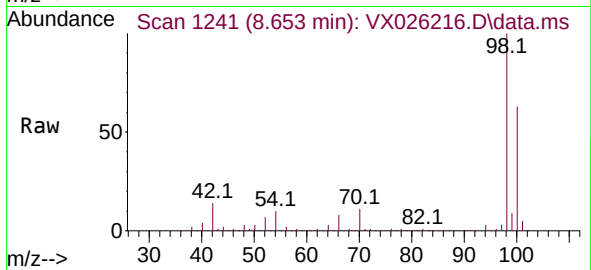




#50
Toluene-d8
Concen: 50.501 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

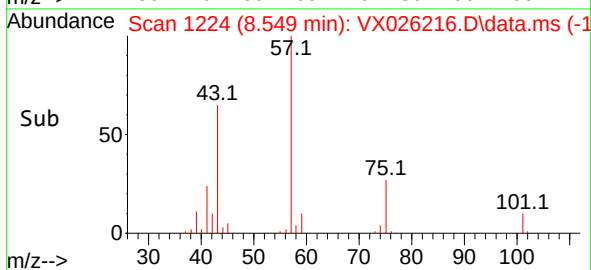
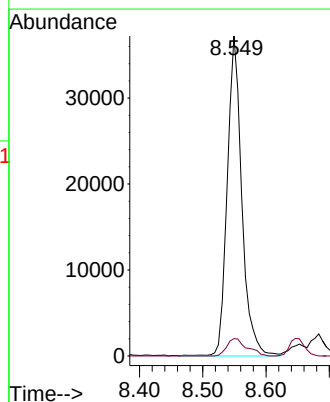
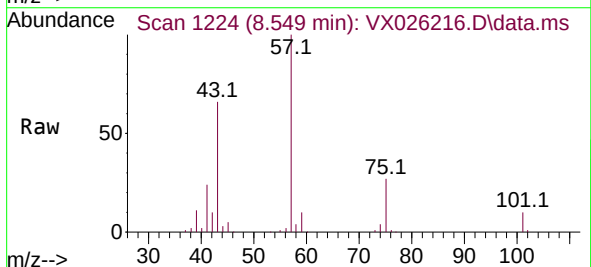
Instrument :
MSVOA_X
ClientSampleId :

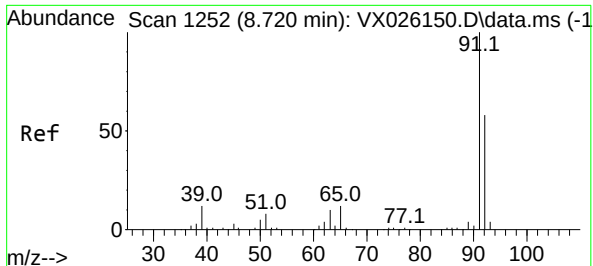
Tgt Ion: 98 Resp: 370177
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.915 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 43 Resp: 59489
Ion Ratio Lower Upper
43 100
58 7.5 30.8 46.2#





#52

Toluene

Concen: 1.320 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Instrument :

MSVOA_X

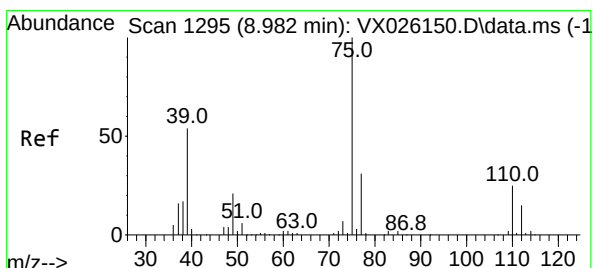
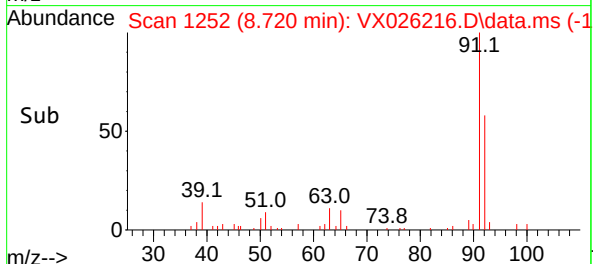
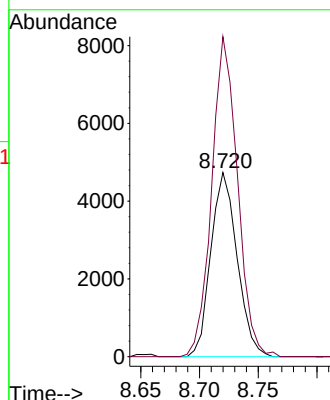
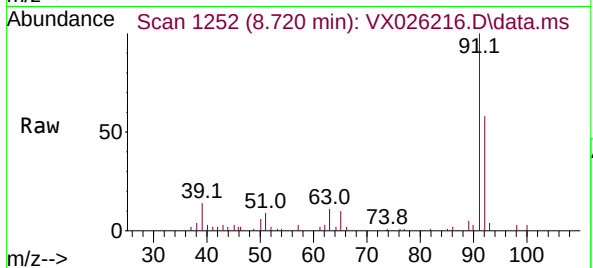
ClientSampleId :

Tgt Ion: 92 Resp: 7373

Ion Ratio Lower Upper

92 100

91 170.5 136.0 204.0



#53

t-1,3-Dichloropropene

Concen: 1.899 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.256 min

Lab File: VX026216.D

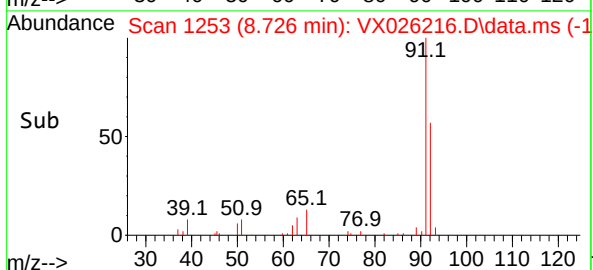
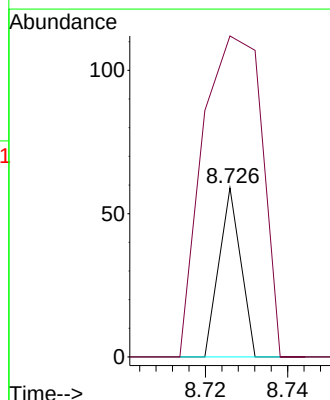
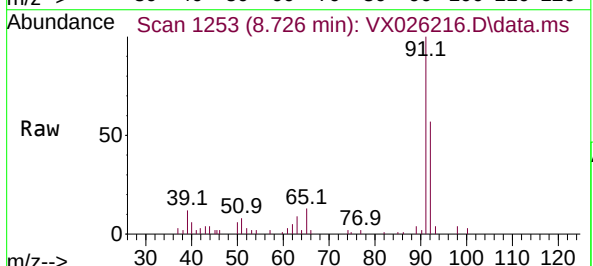
Acq: 03 Jan 2022 13:42

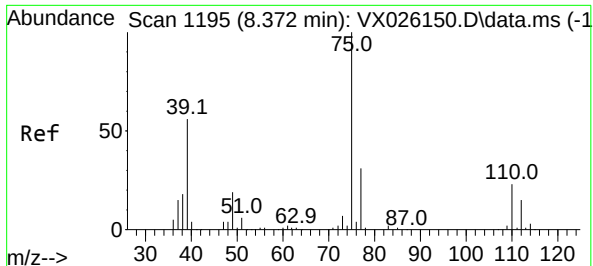
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 189.8 25.1 37.7#

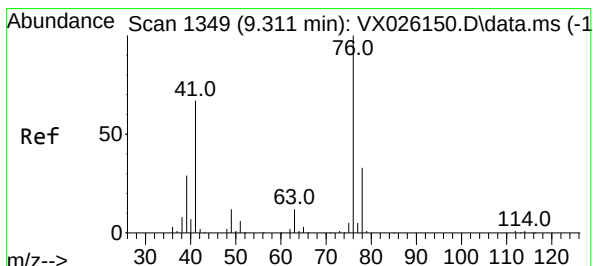
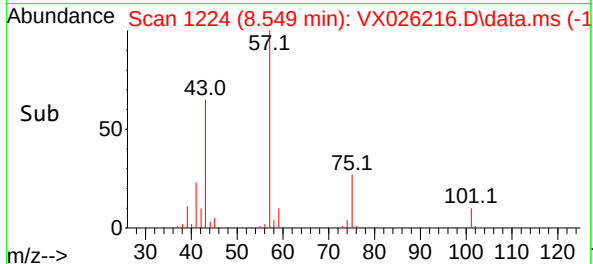
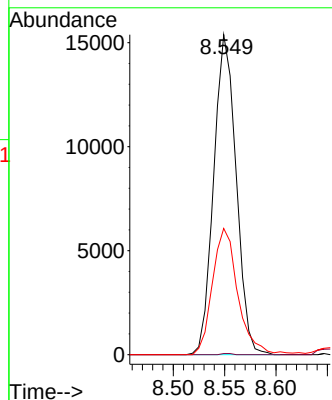
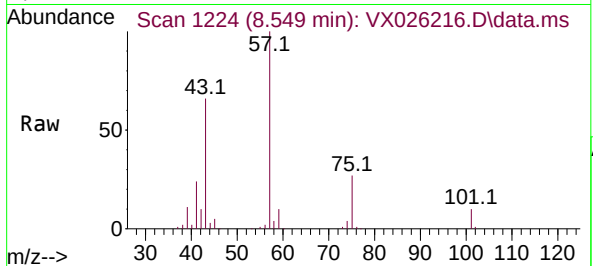




#54
 cis-1,3-Dichloropropene
 Concen: 6.294 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026216.D
 Acq: 03 Jan 2022 13:42

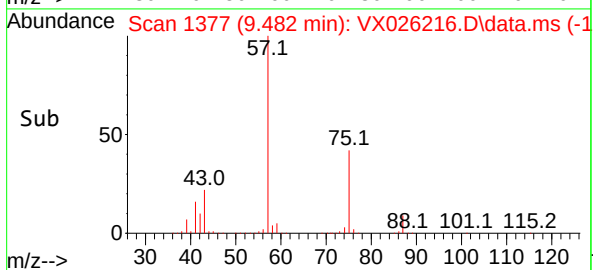
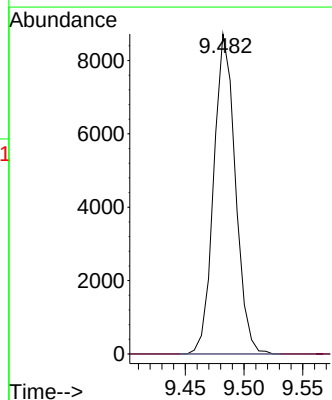
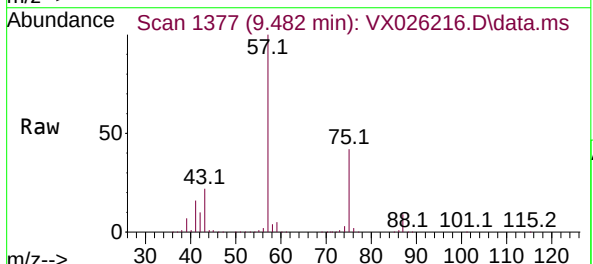
Instrument :
 MSVOA_X
 ClientSampleId :

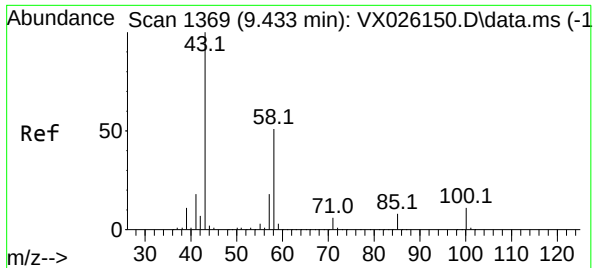
Tgt Ion: 75 Resp: 23294
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 39.5 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 2.847 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026216.D
 Acq: 03 Jan 2022 13:42

Tgt Ion: 76 Resp: 11192
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

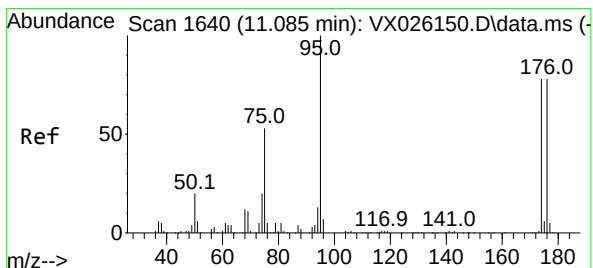
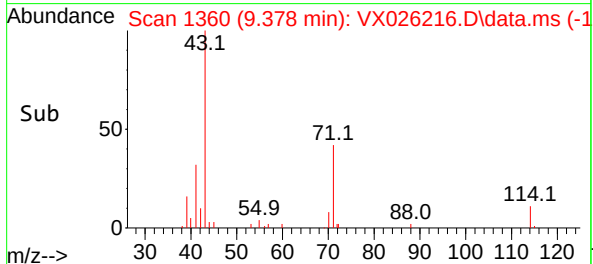
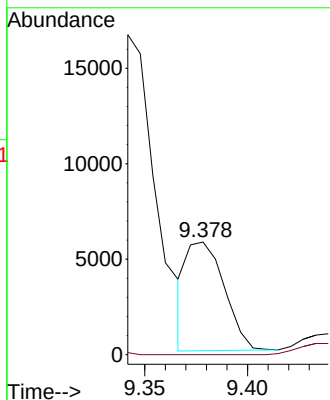
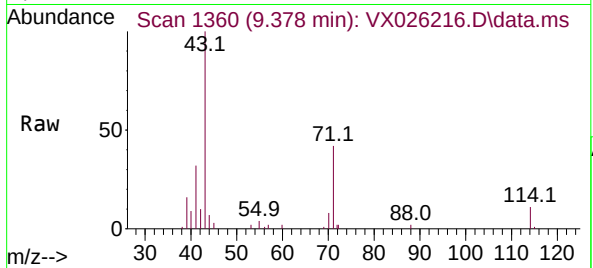




#59
2-Hexanone
Concen: 2.572 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

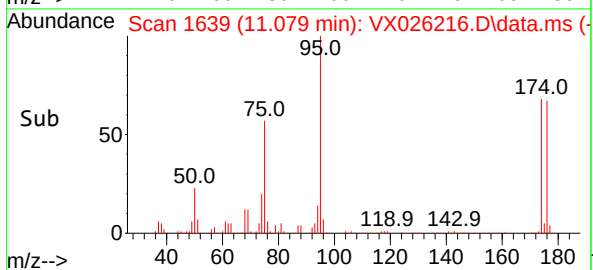
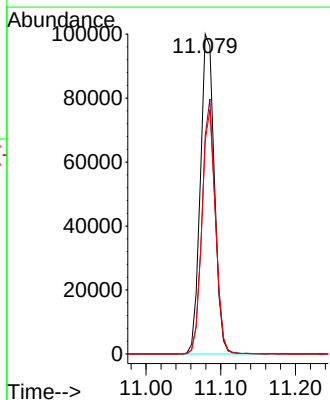
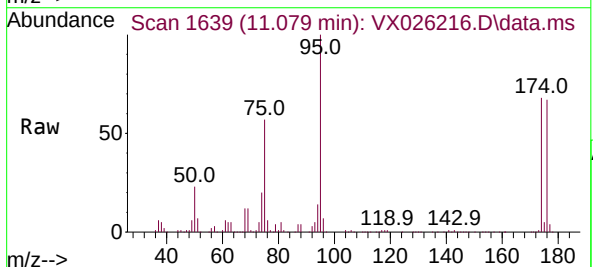
Instrument :
MSVOA_X
ClientSampleId :

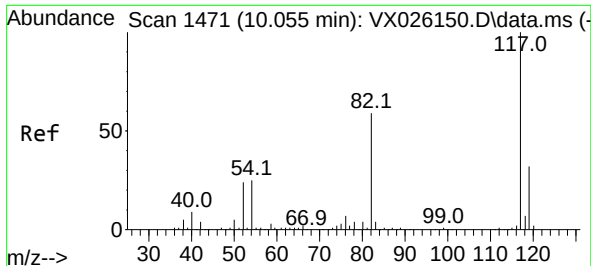
Tgt Ion: 43 Resp: 7283
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 95 Resp: 130187
Ion Ratio Lower Upper
95 100
174 75.2 0.0 157.4
176 73.8 0.0 154.6

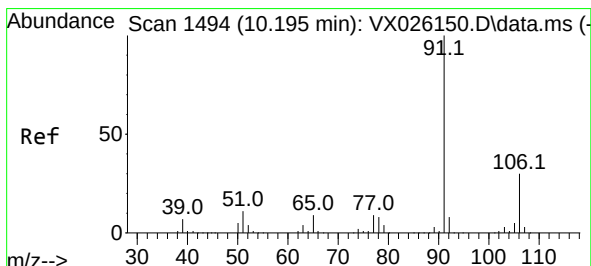
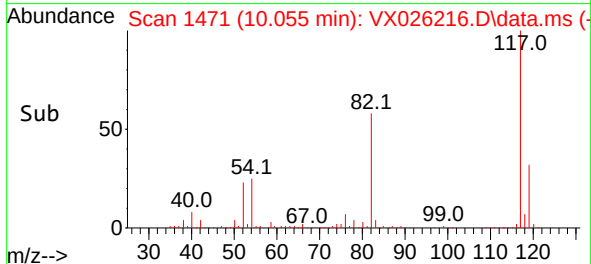
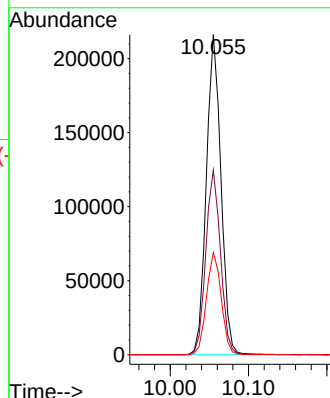
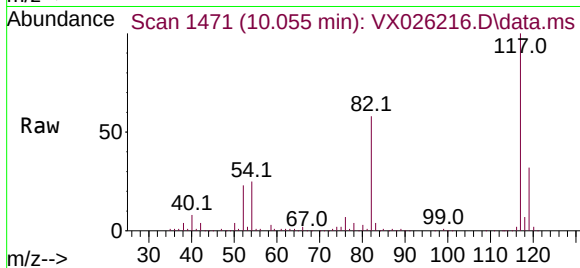




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

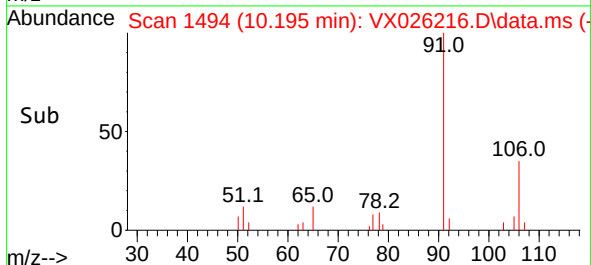
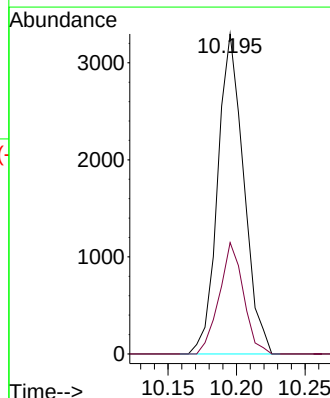
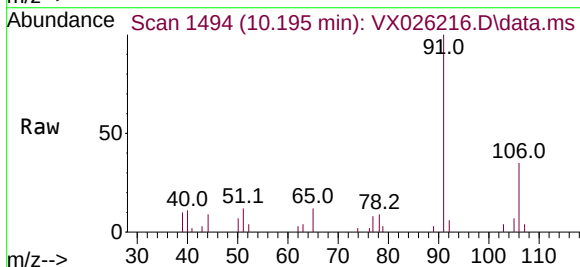
Instrument :
MSVOA_X
ClientSampleId :

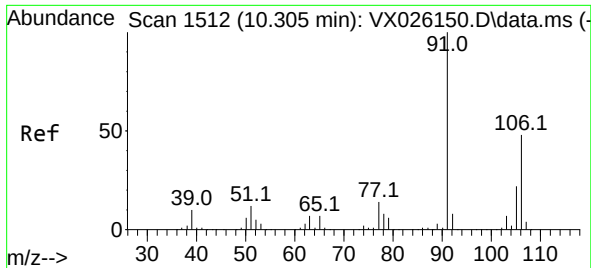
Tgt Ion:117 Resp: 279286
Ion Ratio Lower Upper
117 100
82 57.7 43.8 65.6
119 32.0 25.2 37.8



#67
Ethyl Benzene
Concen: 0.396 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 91 Resp: 4349
Ion Ratio Lower Upper
91 100
106 34.8 25.7 38.5

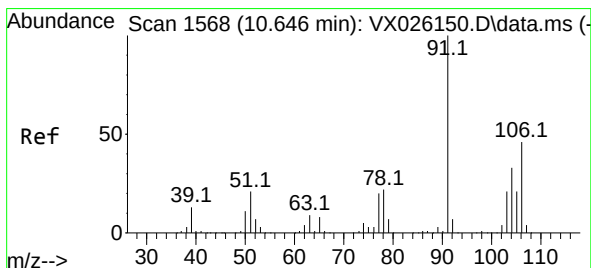
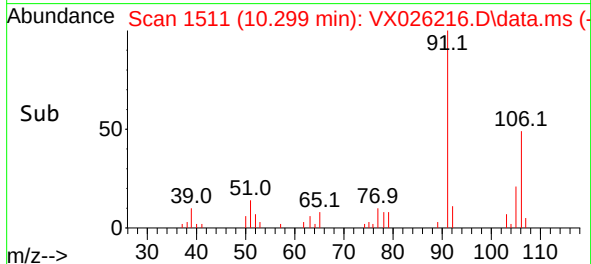
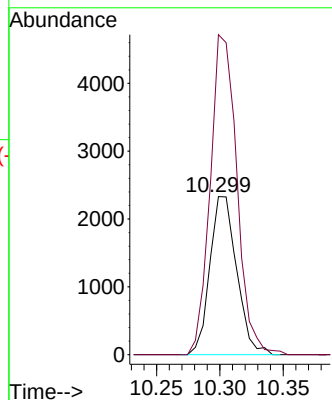
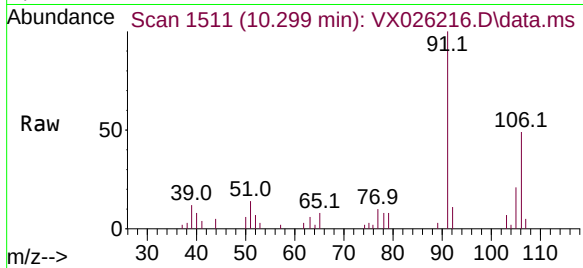




#68
m/p-Xylenes
Concen: 0.840 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

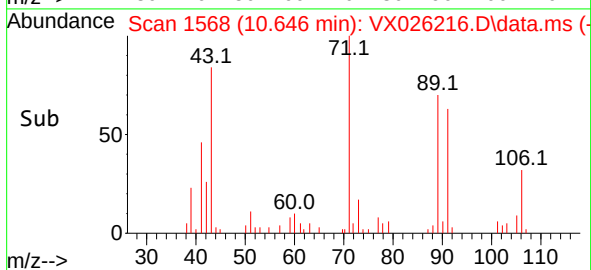
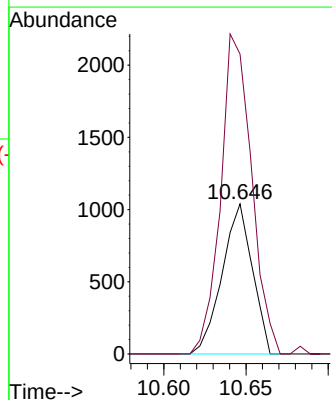
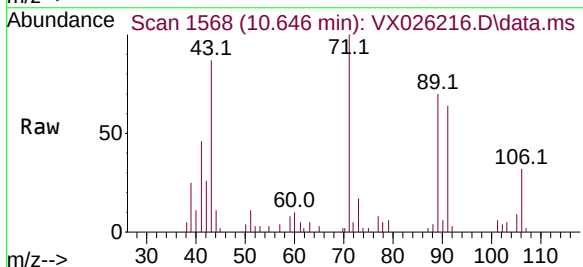
Instrument :
MSVOA_X
ClientSampleId :

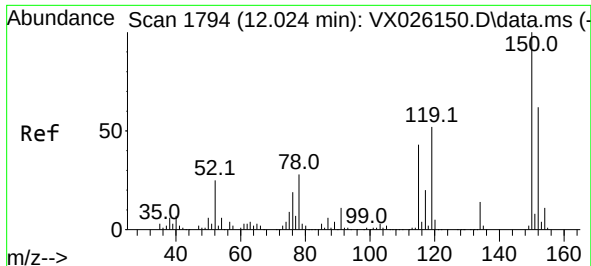
Tgt Ion:106 Resp: 3440
Ion Ratio Lower Upper
106 100
91 201.5 158.6 238.0



#69
o-Xylene
Concen: 0.332 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

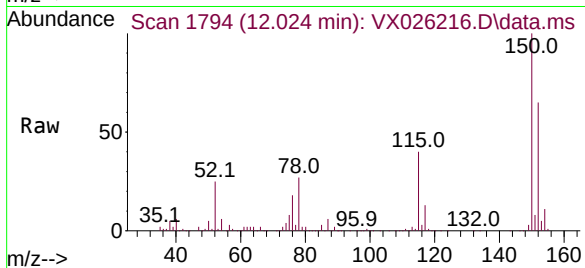
Tgt Ion:106 Resp: 1330
Ion Ratio Lower Upper
106 100
91 218.0 105.5 316.4



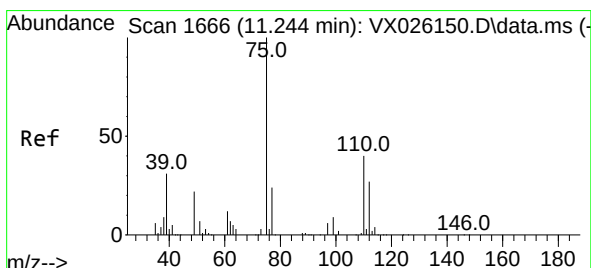
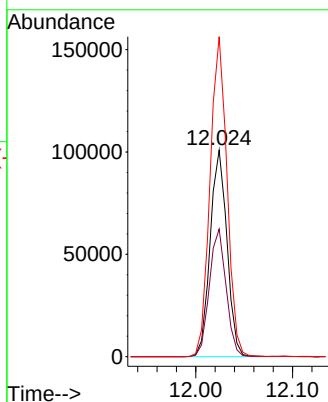
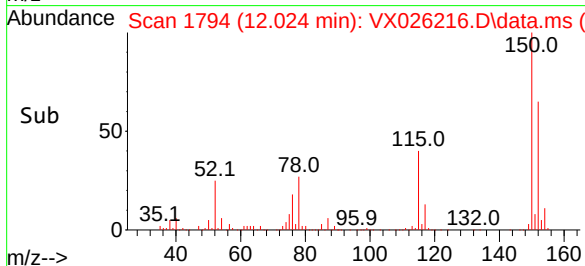


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :

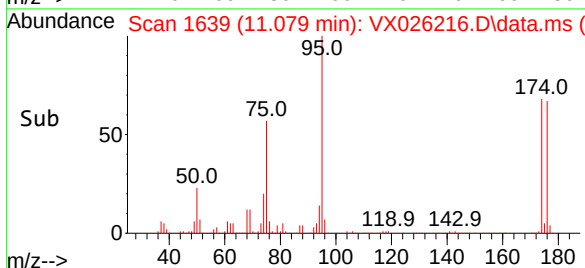
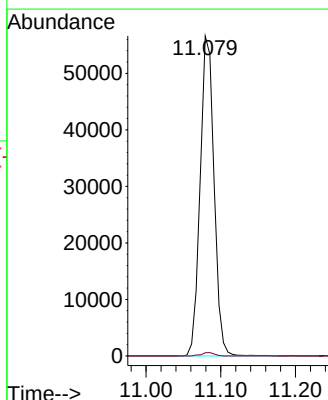
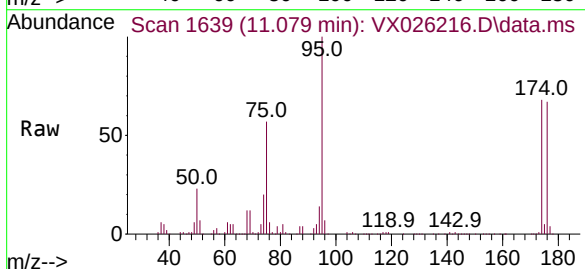


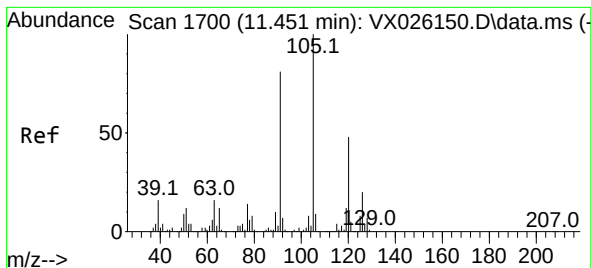
Tgt Ion:152 Resp: 122222
Ion Ratio Lower Upper
152 100
115 61.5 41.3 123.9
150 156.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 24.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion: 75 Resp: 73236
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.232 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

Instrument :

MSVOA_X

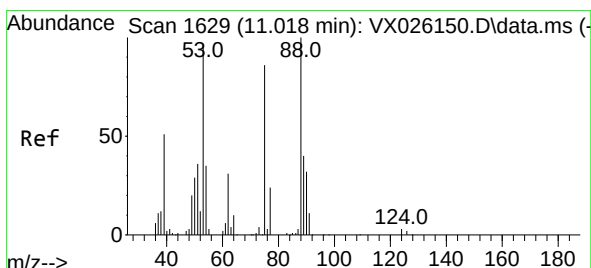
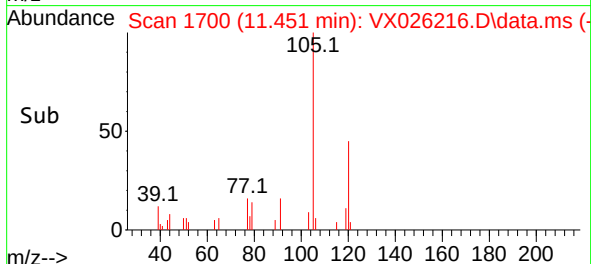
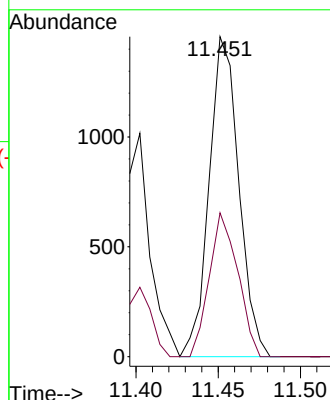
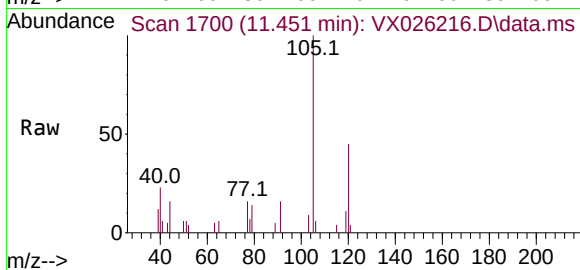
ClientSampleId :

Tgt Ion:105 Resp: 1830

Ion Ratio Lower Upper

105 100

120 43.1 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 71.818 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026216.D

Acq: 03 Jan 2022 13:42

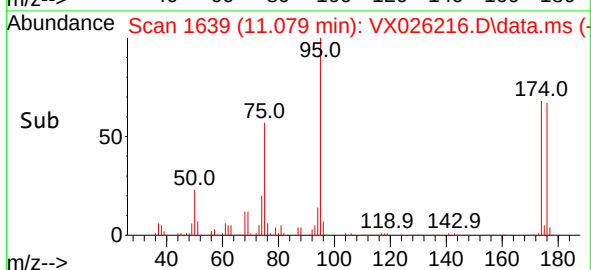
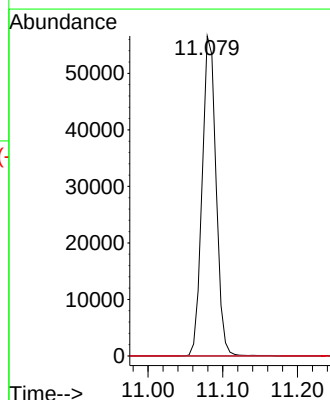
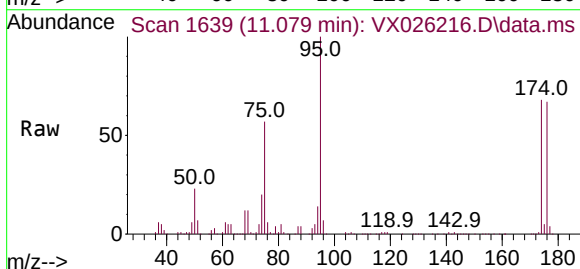
Tgt Ion: 75 Resp: 73236

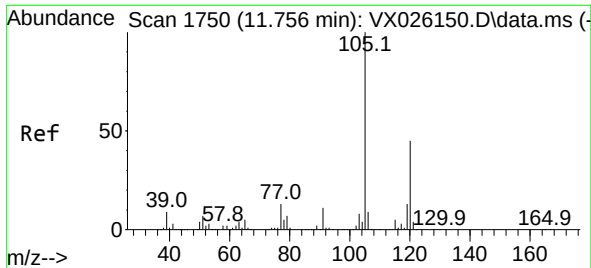
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 38.3 57.5#

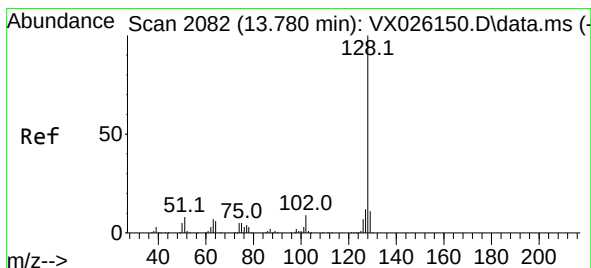
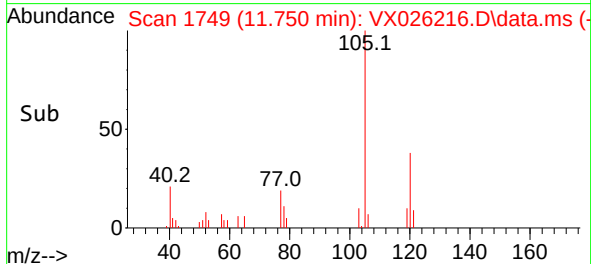
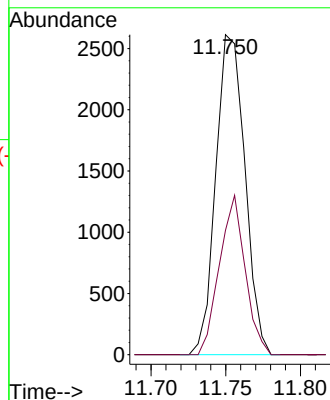
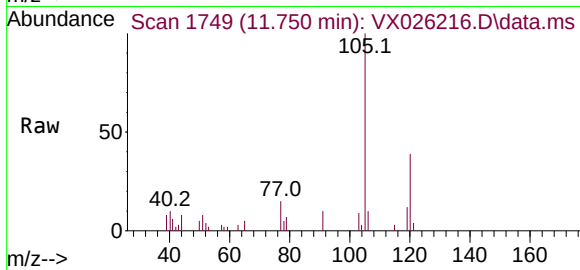




#84
1,2,4-Trimethylbenzene
Concen: 0.450 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 3543
Ion Ratio Lower Upper
105 100
120 43.9 22.9 68.7



#95
Naphthalene
Concen: 0.200 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026216.D
Acq: 03 Jan 2022 13:42

Tgt Ion:128 Resp: 1890
Ion Ratio Lower Upper
128 100
127 10.1 10.3 15.5#
129 10.3 8.8 13.2

