

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026228.D
 Acq On : 03 Jan 2022 18:19
 Operator : JC/MD
 Sample : M5328-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:53:18 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)

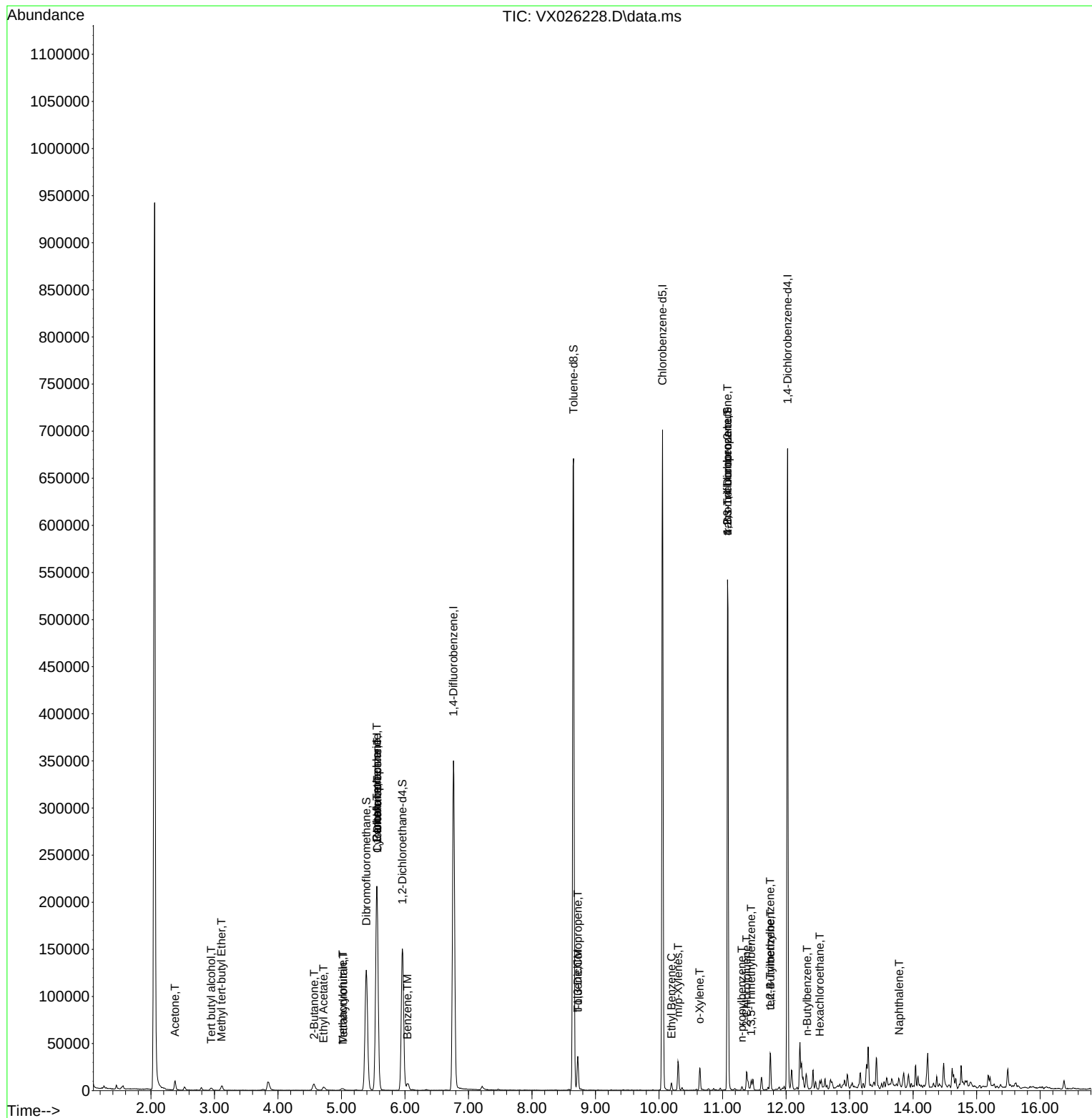
Internal Standards						
1) Pentafluorobenzene	5.556	168	192405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	336288	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149494	53.707	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.420%	
35) Dibromofluoromethane	5.391	113	109341	50.012	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.020%	
50) Toluene-d8	8.653	98	397861	48.924	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	11.079	95	139596	48.220	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1815	3.265	ug/l #	78
16) Acetone	2.380	43	11087	7.351	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	5016	0.674	ug/l	97
20) Methylene Chloride	2.794	84	1096	Below Cal		88
25) 2-Butanone	4.568	43	9321	4.437	ug/l	93
29) Tetrahydrofuran	5.026	42	548	0.414	ug/l #	46
31) Cyclohexane	5.562	56	4857	1.225	ug/l #	28
36) 1,1-Dichloropropene	5.562	75	17328	4.914	ug/l #	49
37) Ethyl Acetate	4.715	43	6856	1.677	ug/l #	92
38) Carbon Tetrachloride	5.556	117	20995	5.352	ug/l #	15
40) Benzene	6.038	78	7908	0.786	ug/l	99
41) Methacrylonitrile	5.019	41	697	0.302	ug/l #	35
52) Toluene	8.720	92	12097	1.952	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	154	1.929	ug/l #	1
67) Ethyl Benzene	10.195	91	4413	0.381	ug/l	94
68) m/p-Xylenes	10.299	106	6730	1.557	ug/l	86
69) o-Xylene	10.640	106	4998	1.182	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	77000	25.591	ug/l #	39
78) n-propylbenzene	11.305	91	2538	0.228	ug/l	97
79) 2-Chlorotoluene	11.378	91	1886	0.275	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4375	0.544	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	77000	74.036	ug/l #	10
83) tert-Butylbenzene	11.756	119	1962	0.251	ug/l #	52
84) 1,2,4-Trimethylbenzene	11.750	105	16324	2.032	ug/l	100
89) n-Butylbenzene	12.329	91	2549	0.353	ug/l #	43
90) Hexachloroethane	12.530	117	331	0.204	ug/l #	14
95) Naphthalene	13.780	128	5520	0.573	ug/l #	95

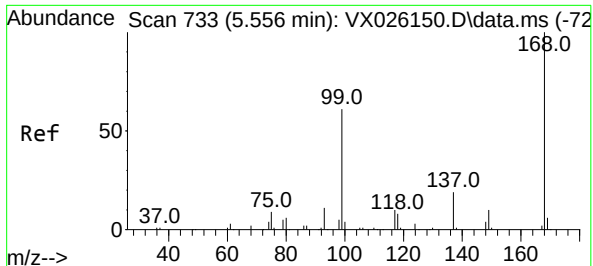
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX026228.D
Acq On : 03 Jan 2022 18:19
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

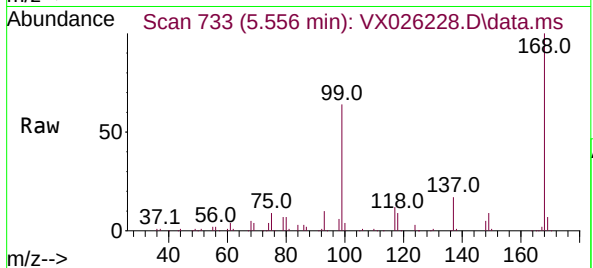
Quant Time: Jan 04 03:53:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
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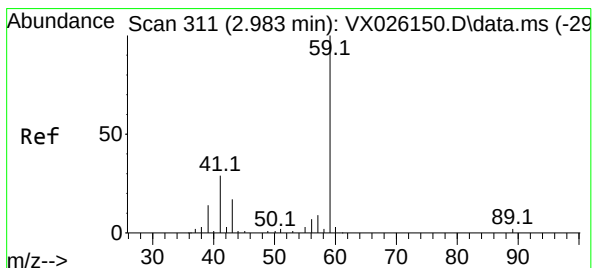
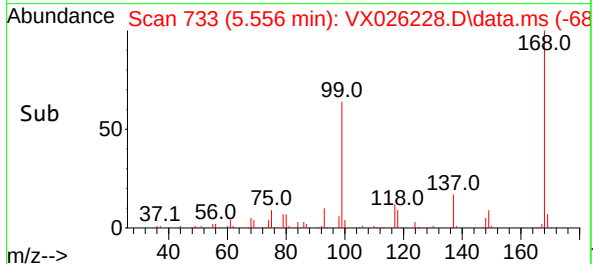
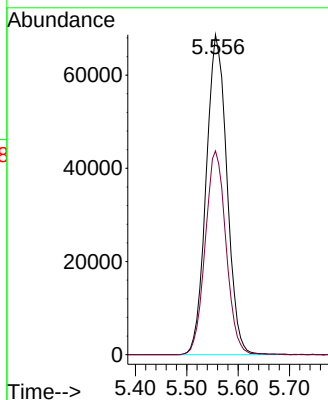


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :

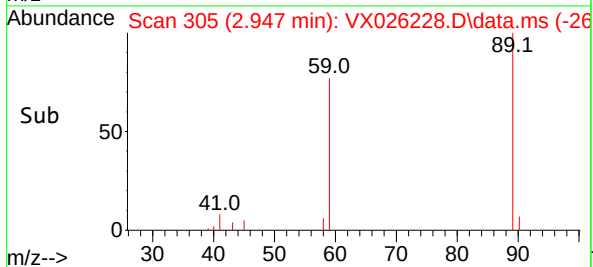
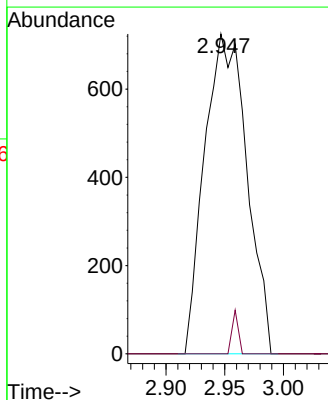
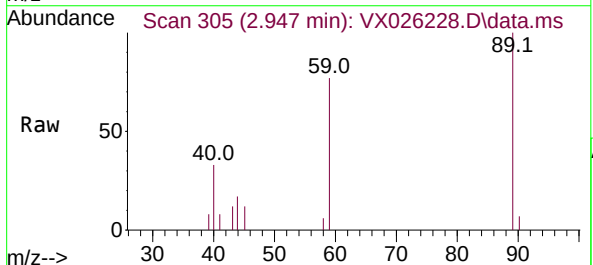


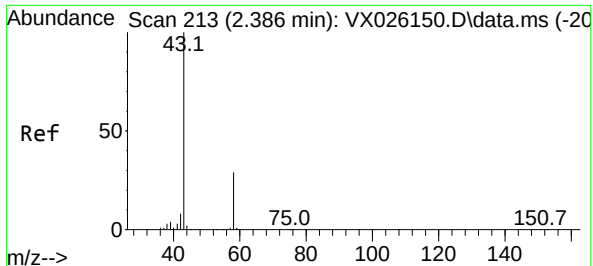
Tgt Ion:168 Resp: 192405
Ion Ratio Lower Upper
168 100
99 63.7 45.8 68.8



#11
Tert butyl alcohol
Concen: 3.265 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 59 Resp: 1815
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.2#

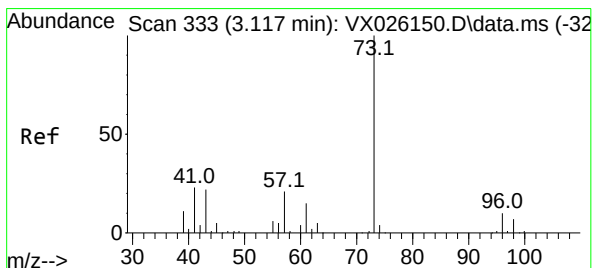
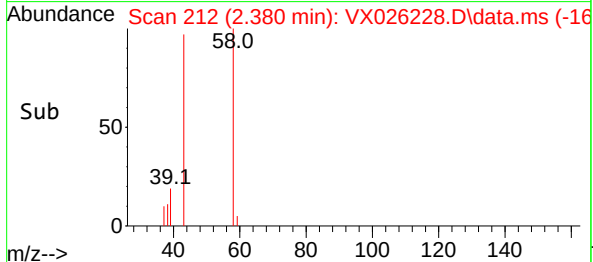
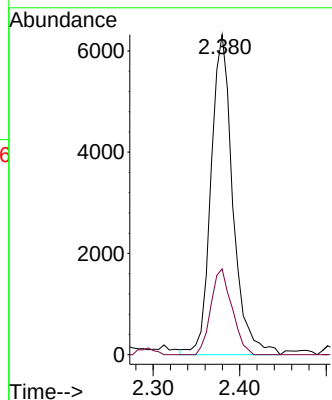
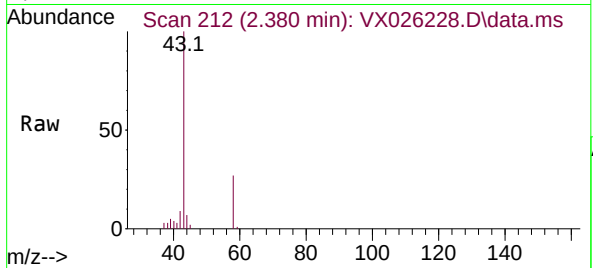




#16
Acetone
Concen: 7.351 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

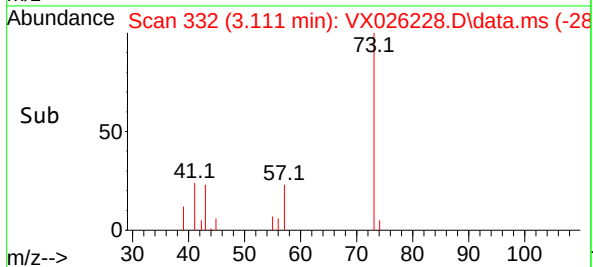
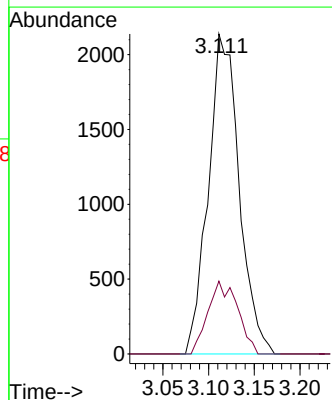
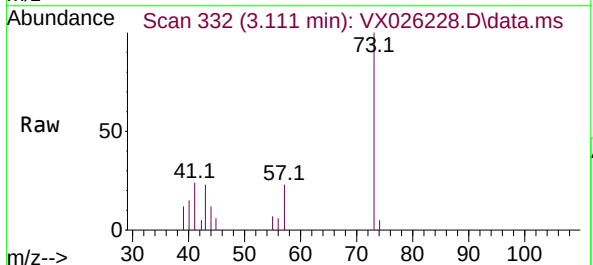
Instrument :
MSVOA_X
ClientSampleId :

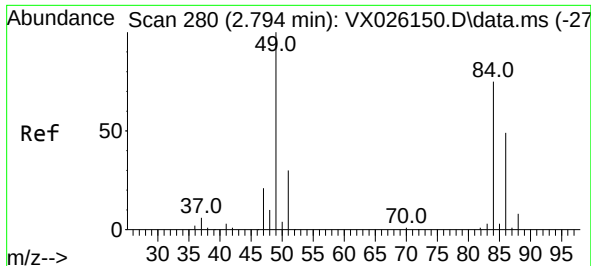
Tgt Ion: 43 Resp: 11087
Ion Ratio Lower Upper
43 100
58 26.8 24.8 37.2



#19
Methyl tert-butyl Ether
Concen: 0.674 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

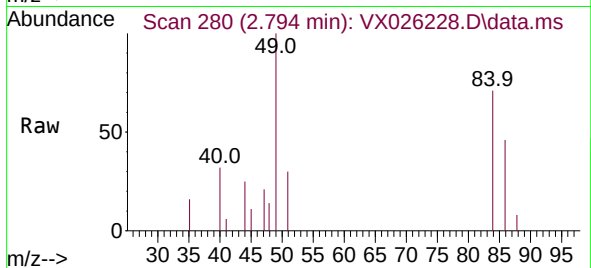
Tgt Ion: 73 Resp: 5016
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.6



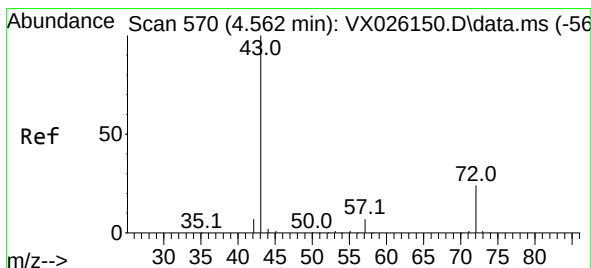
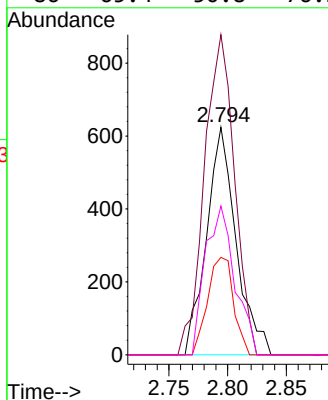
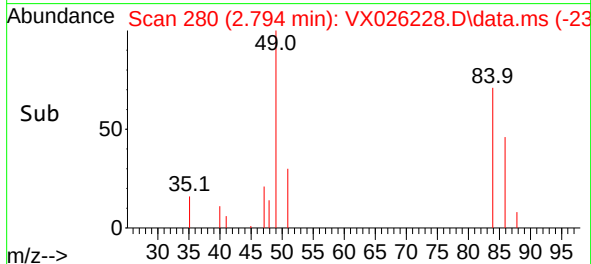


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :

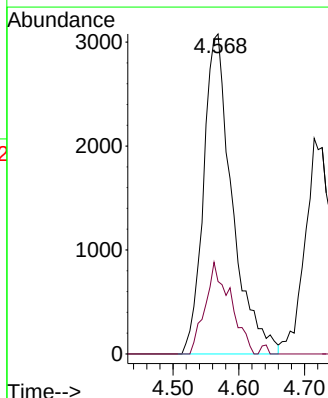
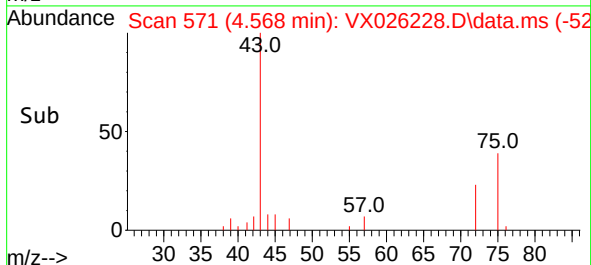
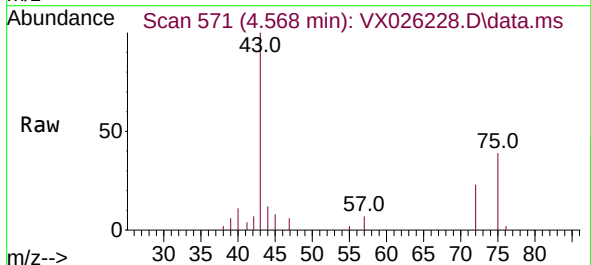


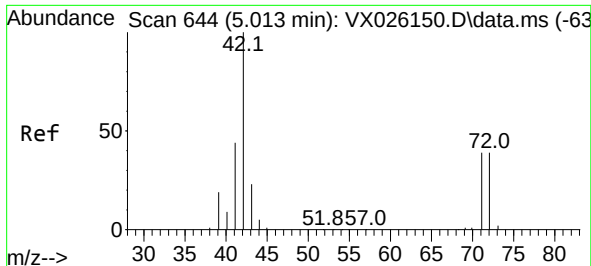
Tgt Ion:	84	Resp:	1096
Ion	Ratio	Lower	Upper
84	100		
49	140.7	97.1	145.7
51	42.8	29.3	43.9
86	65.4	50.8	76.2



#25
2-Butanone
Concen: 4.437 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion:	43	Resp:	9321
Ion	Ratio	Lower	Upper
43	100		
72	22.7	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.414 ug/l

RT: 5.026 min Scan# 644

Delta R.T. 0.013 min

Lab File: VX026228.D

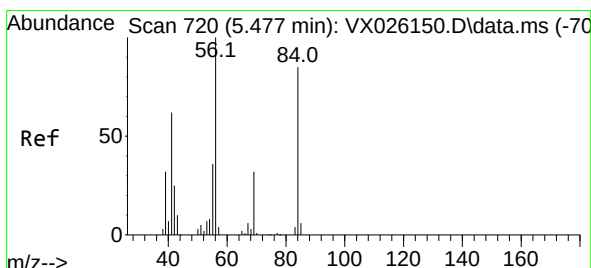
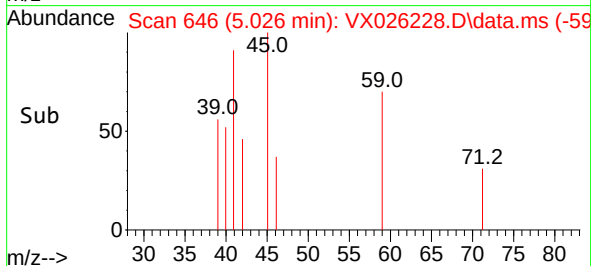
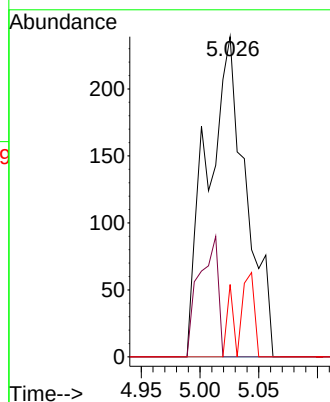
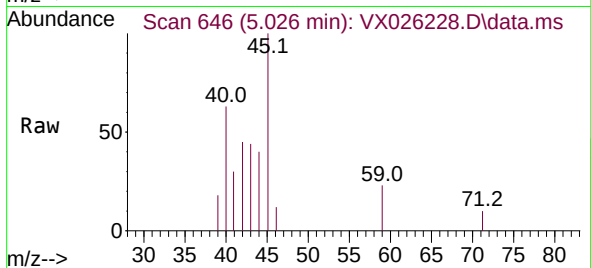
Acq: 03 Jan 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	548
Ion	Ratio	Lower	Upper
42	100		
72	18.6	37.0	55.6#
71	0.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.225 ug/l

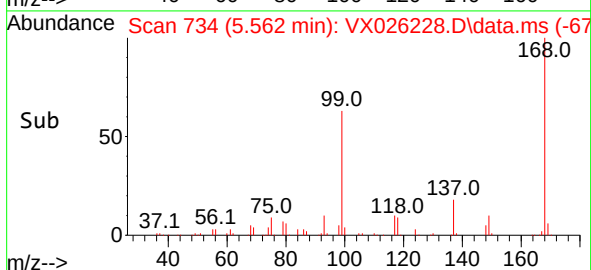
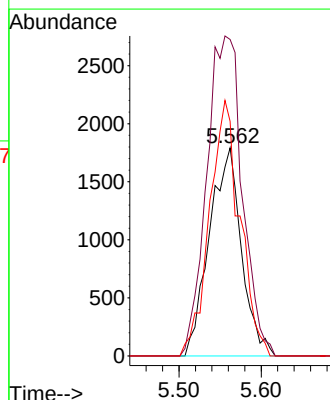
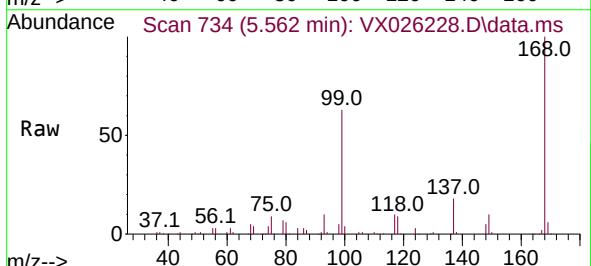
RT: 5.562 min Scan# 734

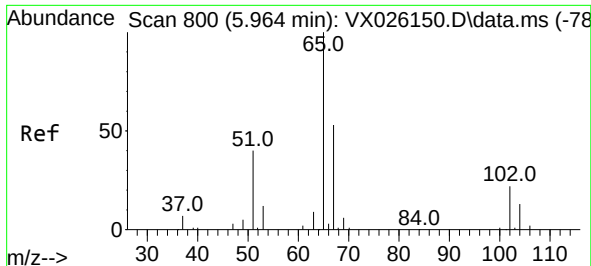
Delta R.T. 0.085 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Tgt Ion:	56	Resp:	4857
Ion	Ratio	Lower	Upper
56	100		
69	152.0	23.9	35.9#
84	112.7	73.2	109.8#

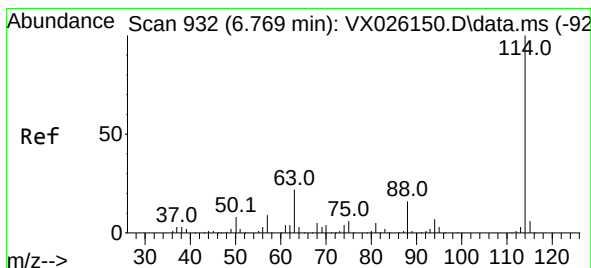
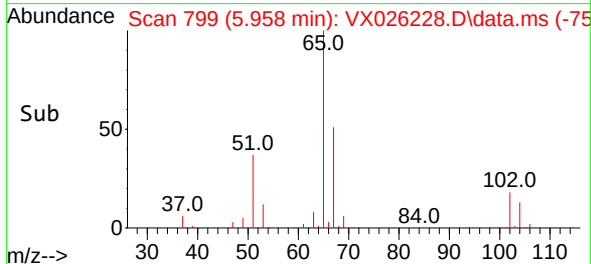
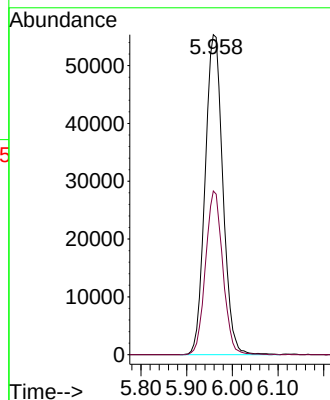
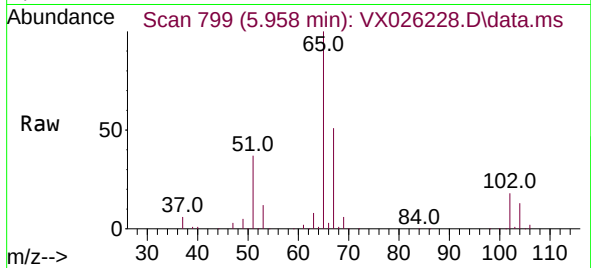




#33
 1,2-Dichloroethane-d4
 Concen: 53.707 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX026228.D
 Acq: 03 Jan 2022 18:19

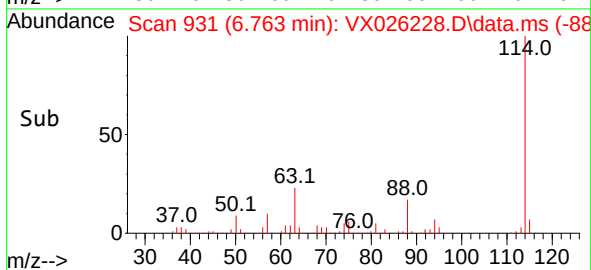
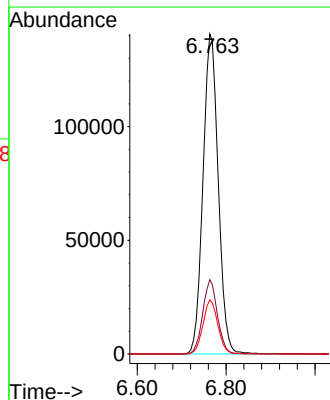
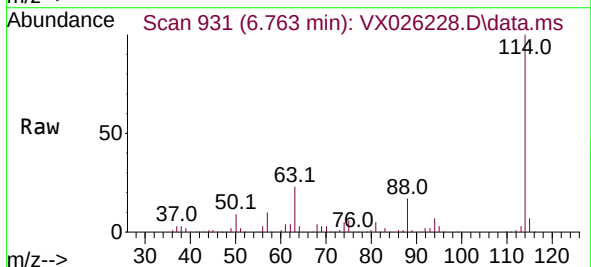
Instrument :
 MSVOA_X
 ClientSampleId :

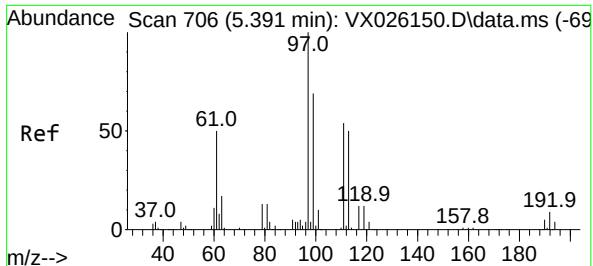
Tgt Ion: 65 Resp: 149494
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX026228.D
 Acq: 03 Jan 2022 18:19

Tgt Ion: 114 Resp: 336288
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 40.0
 88 16.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.012 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

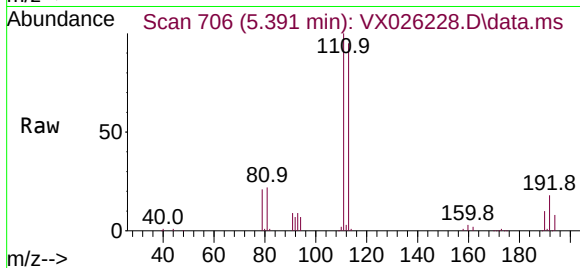
Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :



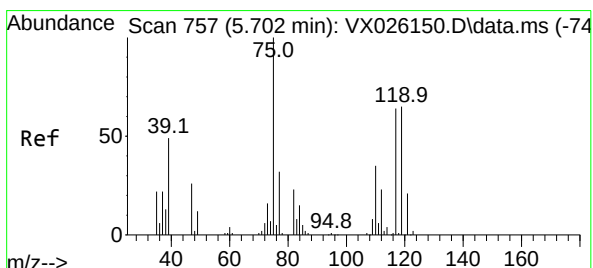
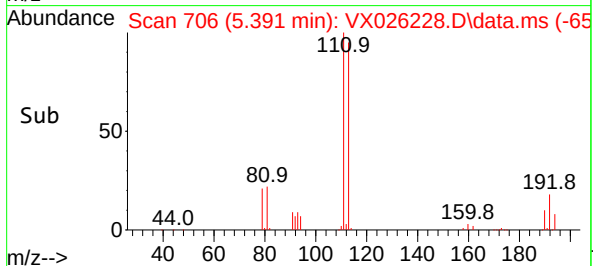
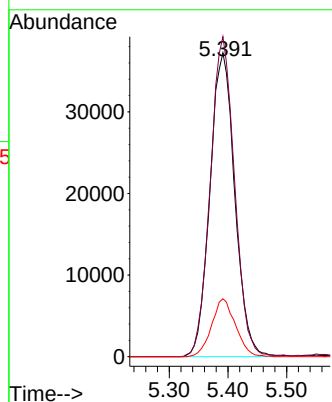
Tgt Ion:113 Resp: 109341

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 18.4 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.914 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

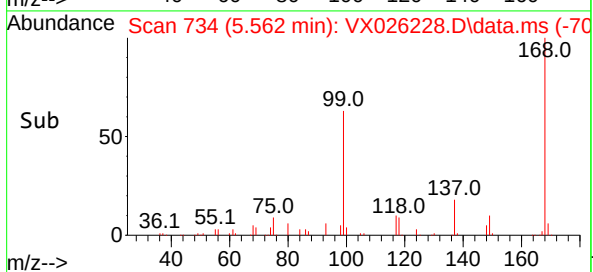
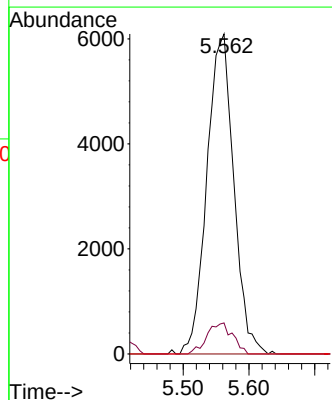
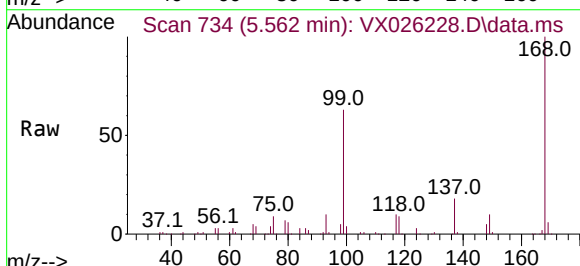
Tgt Ion: 75 Resp: 17328

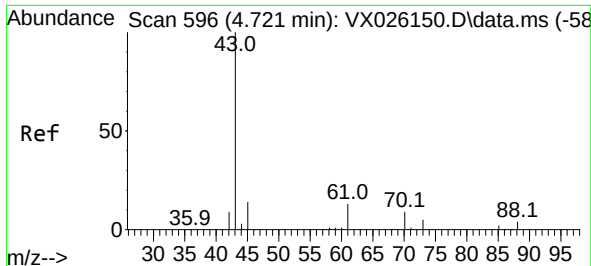
Ion Ratio Lower Upper

75 100

110 9.3 18.2 54.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.677 ug/l

RT: 4.715 min Scan# 596

Delta R.T. -0.006 min

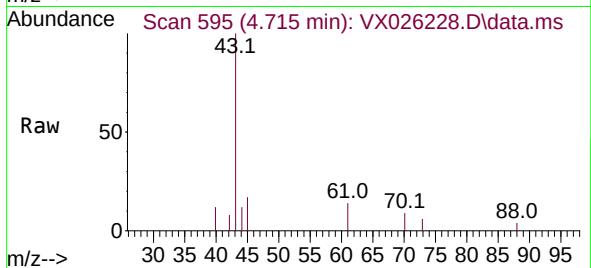
Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

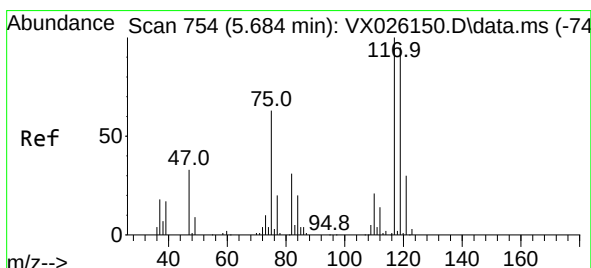
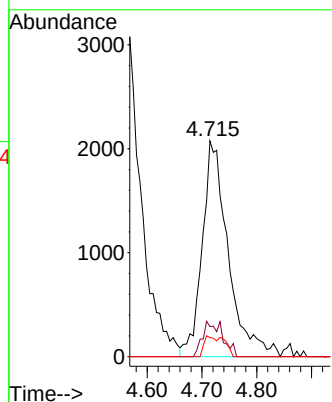
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	6856
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	4.4	8.5	12.7



#38

Carbon Tetrachloride

Concen: 5.352 ug/l

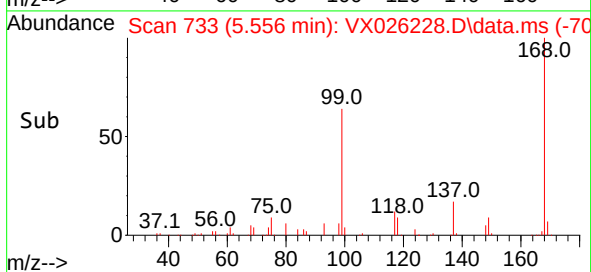
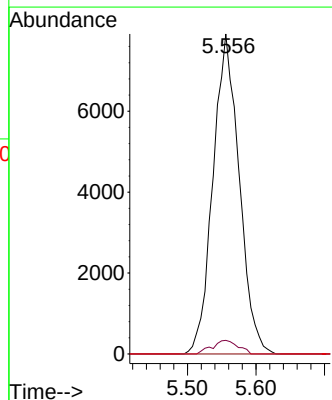
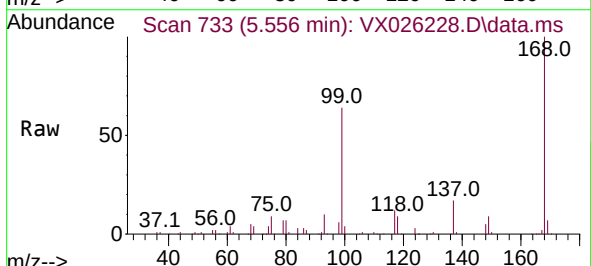
RT: 5.556 min Scan# 733

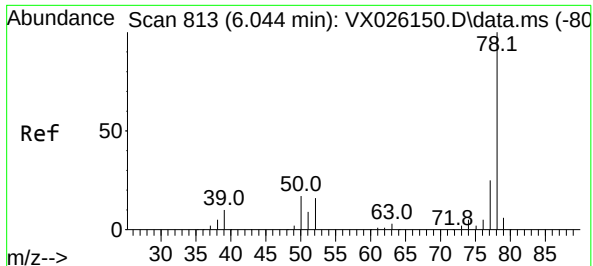
Delta R.T. -0.128 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Tgt Ion:	117	Resp:	20995
Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.2	115.8
121	0.0	23.8	35.8

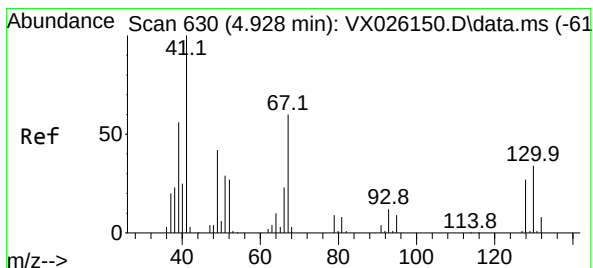
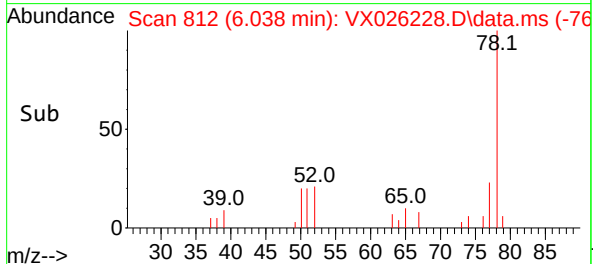
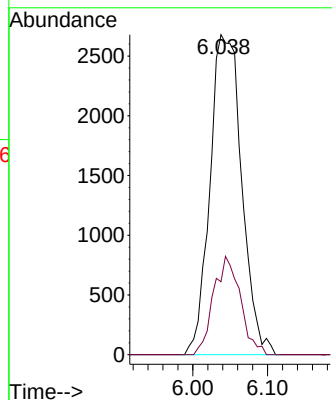
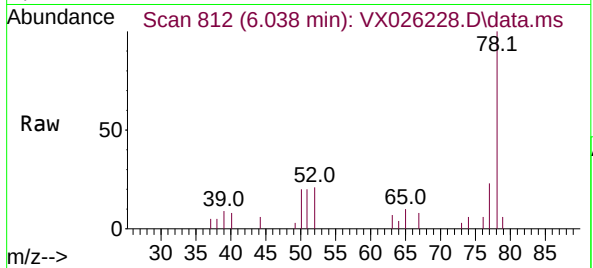




#40
Benzene
Concen: 0.786 ug/l
RT: 6.038 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

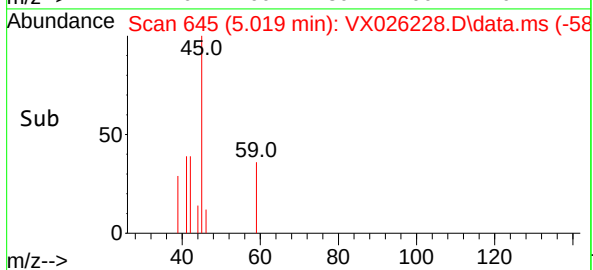
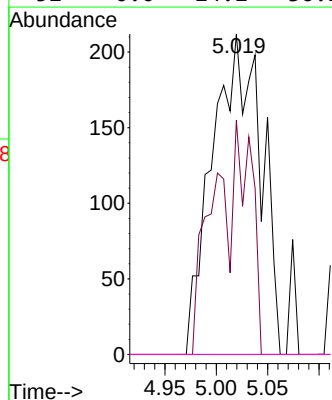
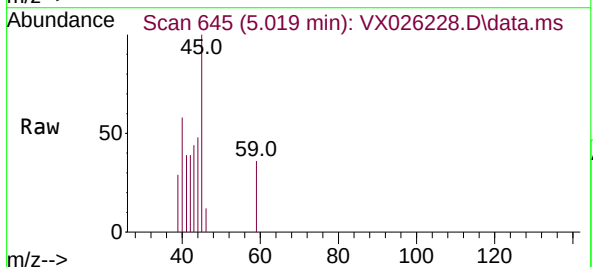
Instrument :
MSVOA_X
ClientSampleId :

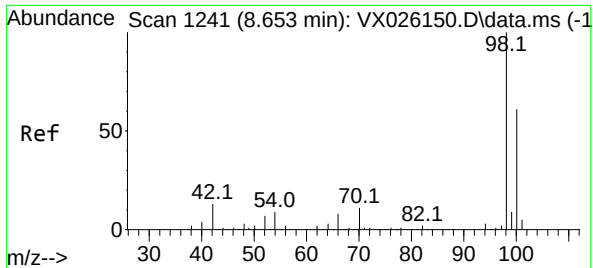
Tgt Ion: 78 Resp: 7908
Ion Ratio Lower Upper
78 100
77 22.8 18.6 27.8



#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 41 Resp: 697
Ion Ratio Lower Upper
41 100
39 26.5 44.2 66.2#
67 0.0 59.7 89.5#
52 0.0 24.2 36.2#

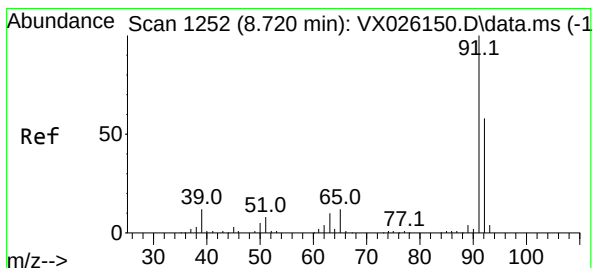
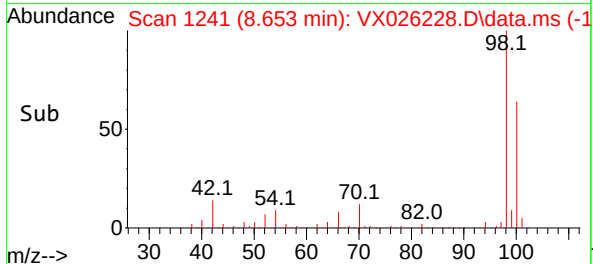
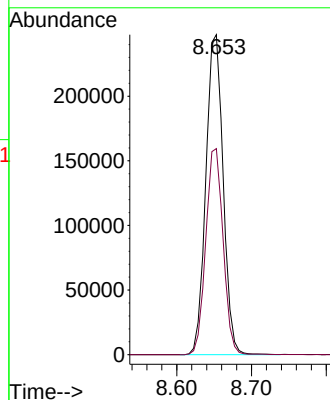
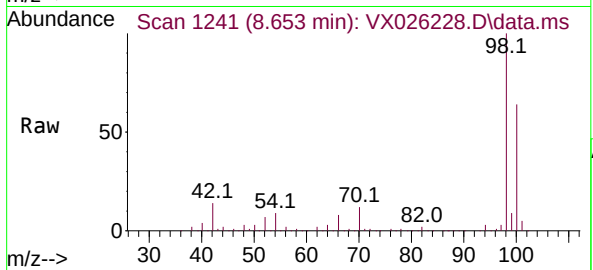




#50
Toluene-d8
Concen: 48.924 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

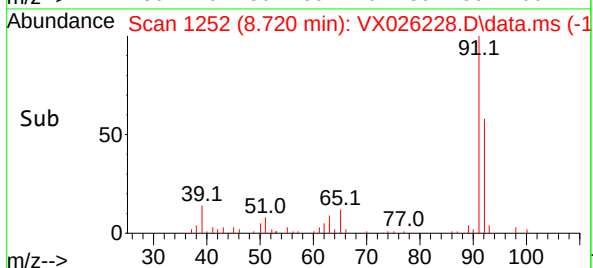
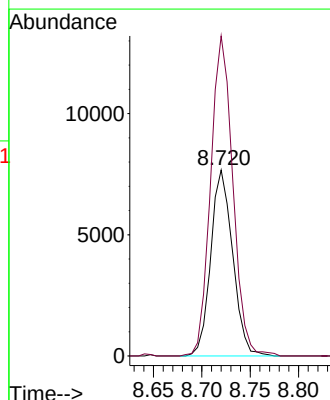
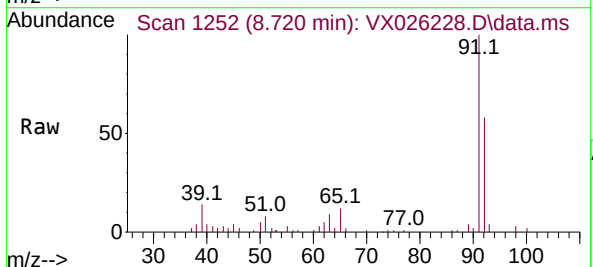
Instrument :
MSVOA_X
ClientSampleId :

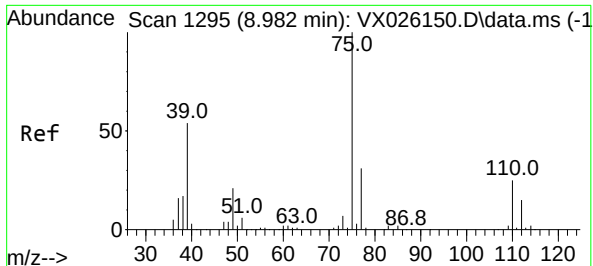
Tgt Ion: 98 Resp: 397861
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#52
Toluene
Concen: 1.952 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 92 Resp: 12097
Ion Ratio Lower Upper
92 100
91 174.4 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 1.929 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Instrument :

MSVOA_X

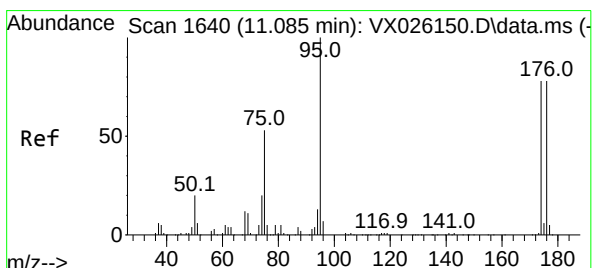
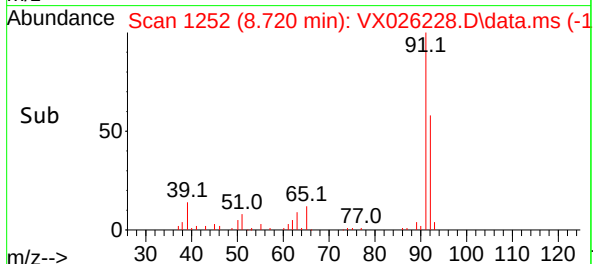
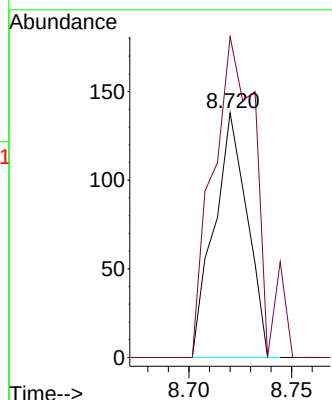
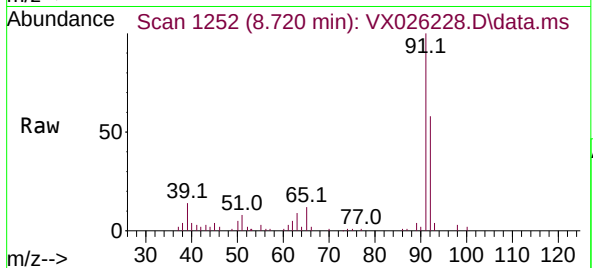
ClientSampleId :

Tgt Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

77 131.2 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 48.220 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

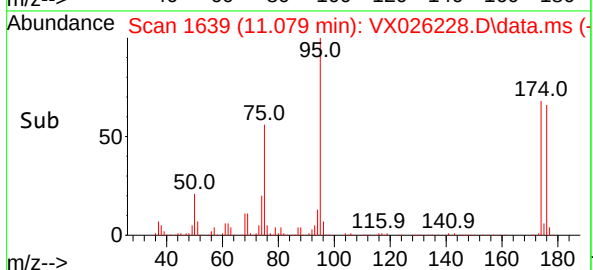
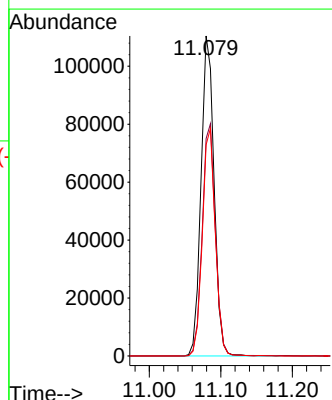
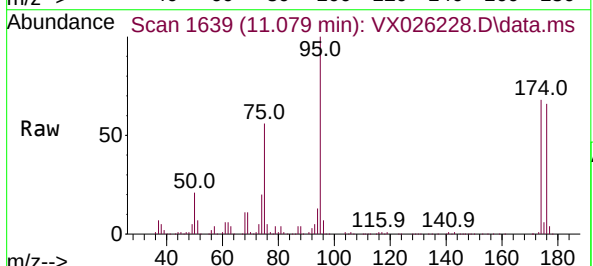
Tgt Ion: 95 Resp: 139596

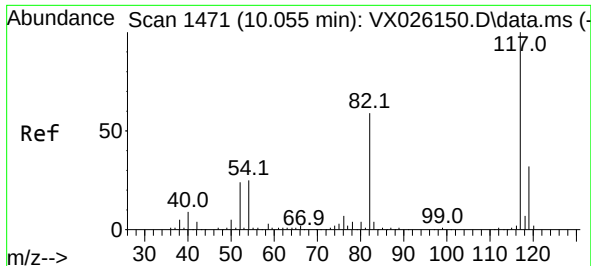
Ion Ratio Lower Upper

95 100

174 73.0 0.0 157.4

176 70.7 0.0 154.6

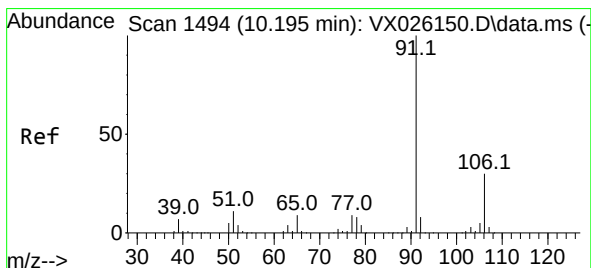
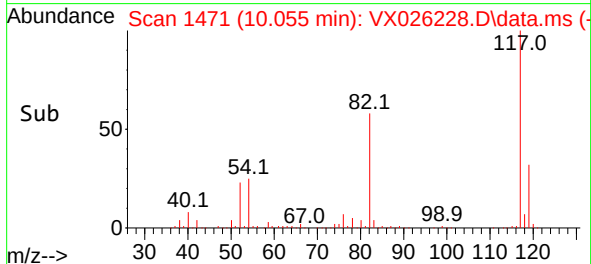
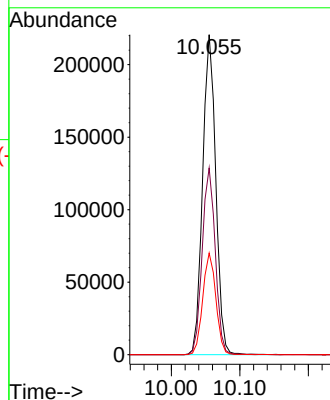
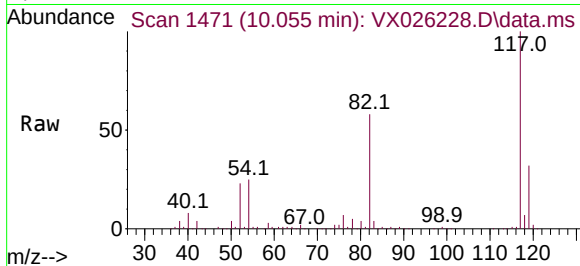




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

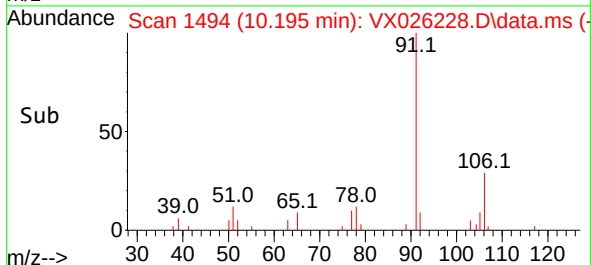
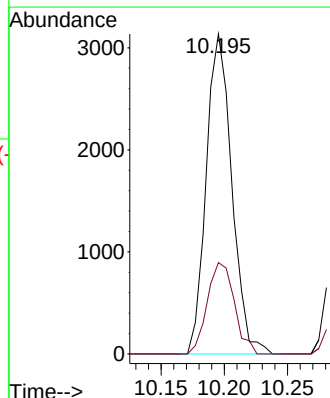
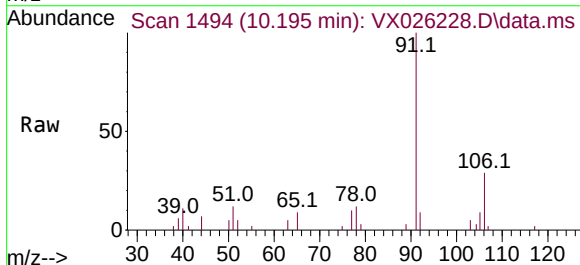
Instrument :
MSVOA_X
ClientSampleId :

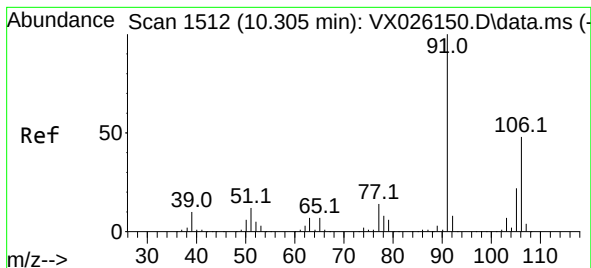
Tgt Ion:117 Resp: 294724
Ion Ratio Lower Upper
117 100
82 58.3 43.8 65.6
119 31.8 25.2 37.8



#67
Ethyl Benzene
Concen: 0.381 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 91 Resp: 4413
Ion Ratio Lower Upper
91 100
106 28.5 25.7 38.5

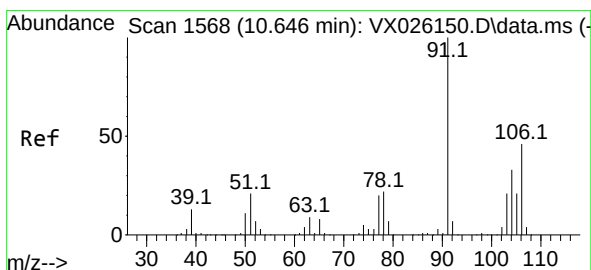
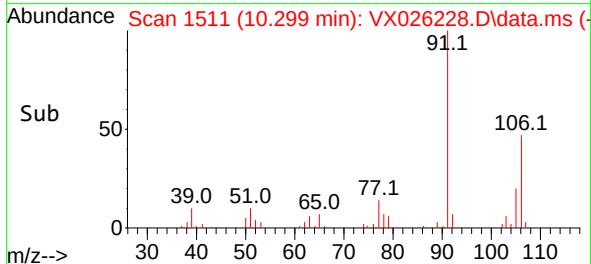
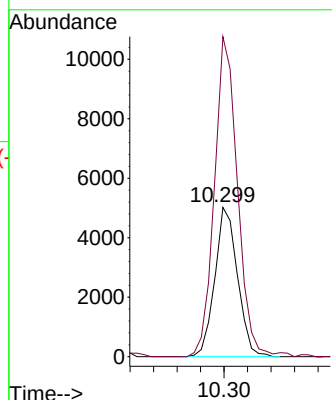
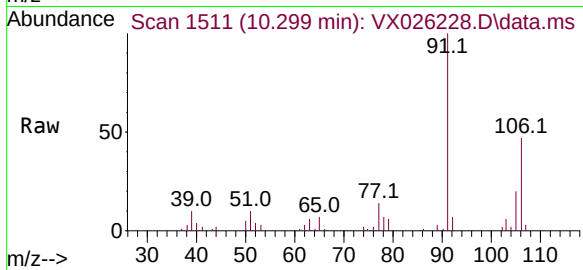




#68
m/p-Xylenes
Concen: 1.557 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

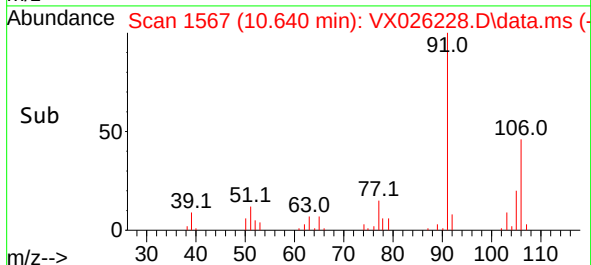
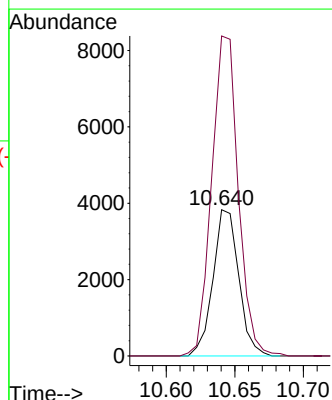
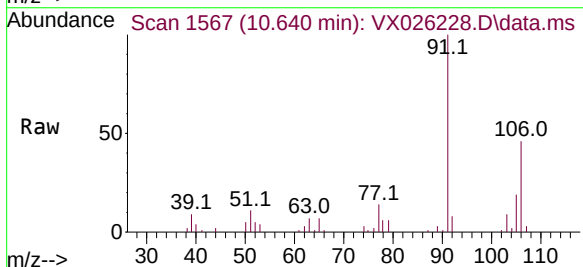
Instrument :
MSVOA_X
ClientSampleId :

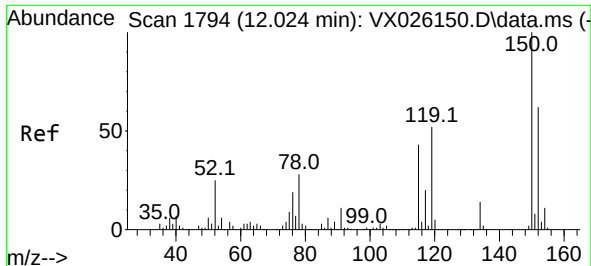
Tgt Ion:106 Resp: 6730
Ion Ratio Lower Upper
106 100
91 219.0 158.6 238.0



#69
o-Xylene
Concen: 1.182 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion:106 Resp: 4998
Ion Ratio Lower Upper
106 100
91 226.1 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :

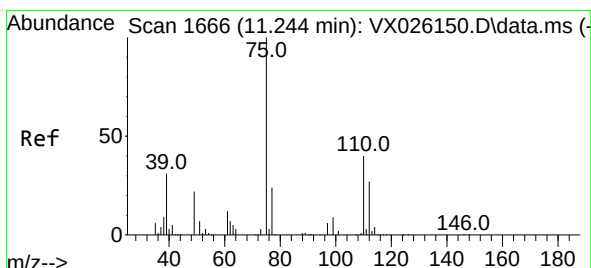
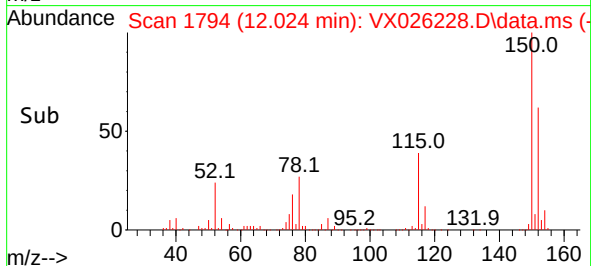
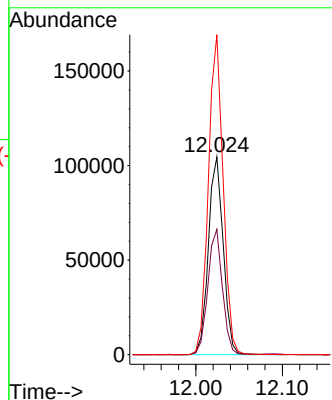
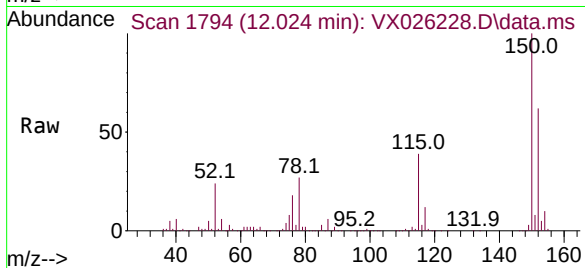
Tgt Ion:152 Resp: 124653

Ion Ratio Lower Upper

152 100

115 62.2 41.3 123.9

150 159.7 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 25.591 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026228.D

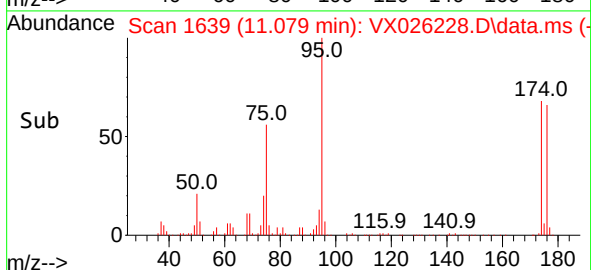
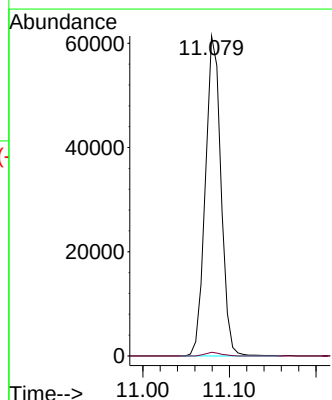
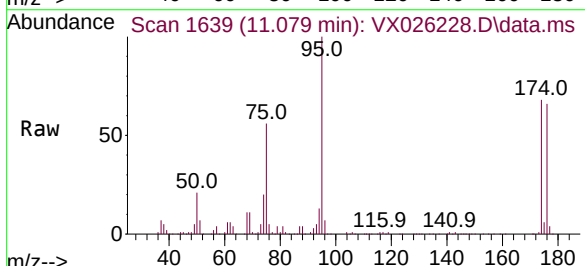
Acq: 03 Jan 2022 18:19

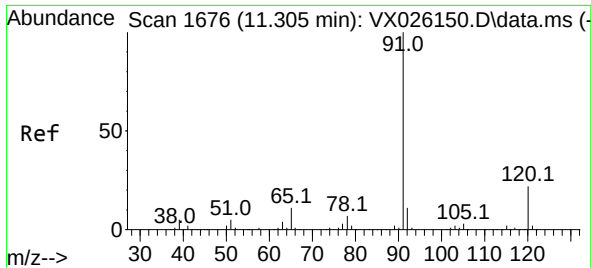
Tgt Ion: 75 Resp: 77000

Ion Ratio Lower Upper

75 100

77 1.2 19.0 57.0#

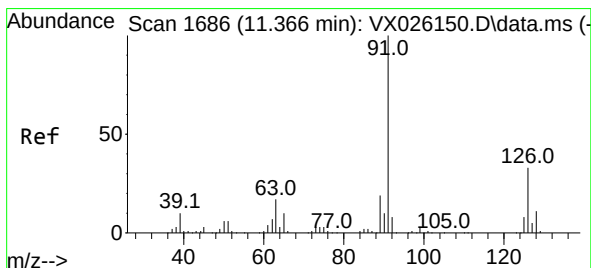
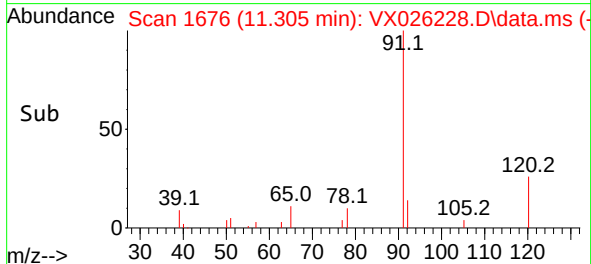
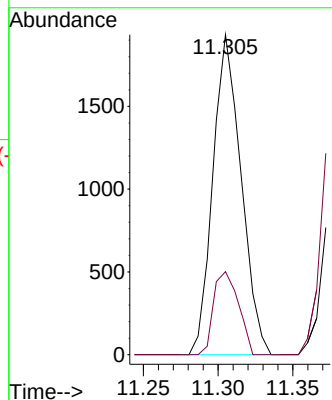
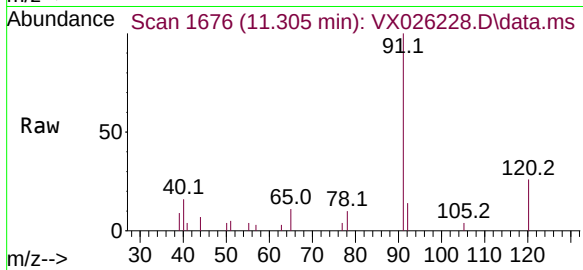




#78
n-propylbenzene
Concen: 0.228 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

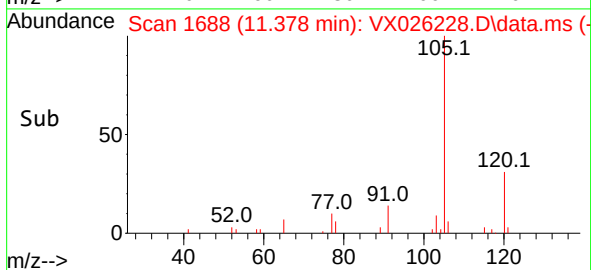
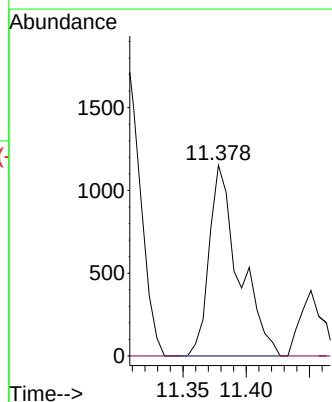
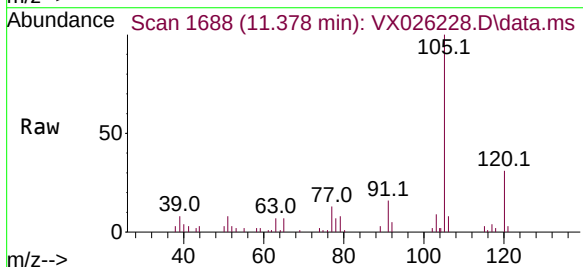
Instrument :
MSVOA_X
ClientSampleId :

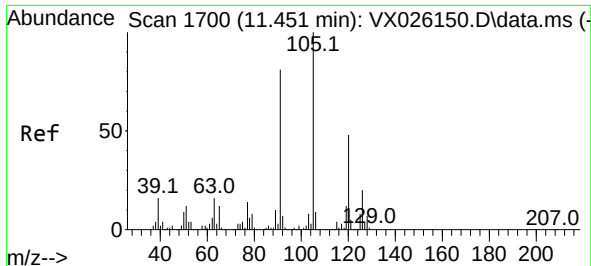
Tgt Ion: 91 Resp: 2538
Ion Ratio Lower Upper
91 100
120 22.9 12.0 36.1



#79
2-Chlorotoluene
Concen: 0.275 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 91 Resp: 1886
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#

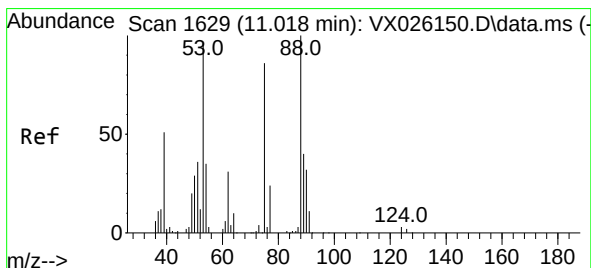
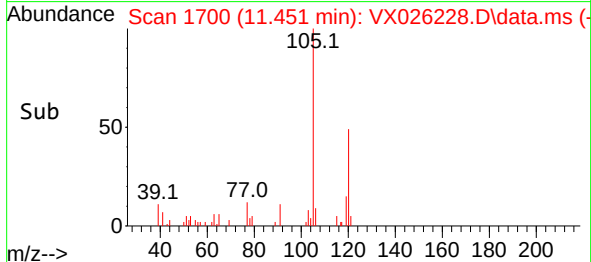
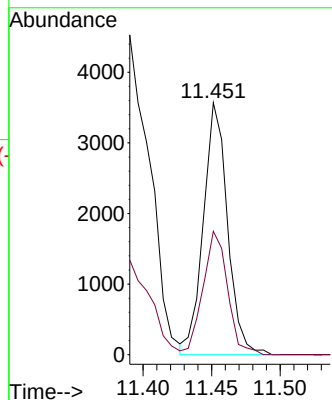
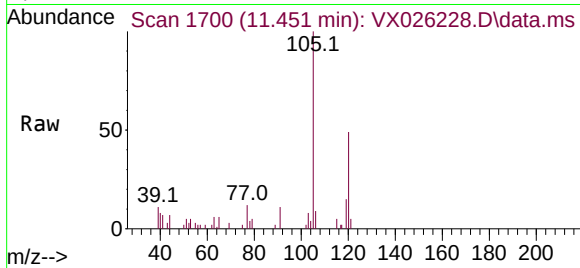




#80
1,3,5-Trimethylbenzene
Concen: 0.544 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

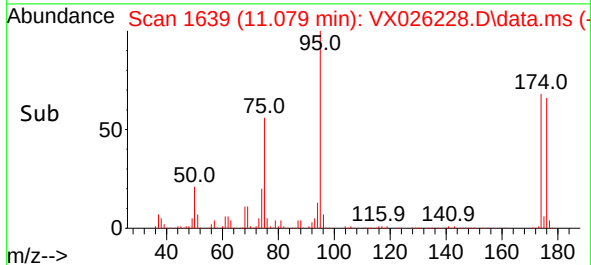
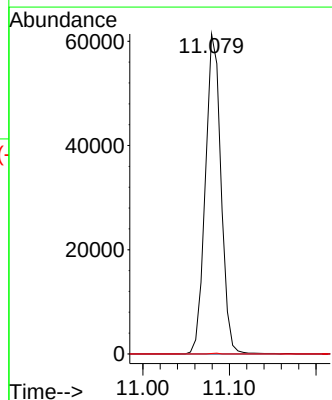
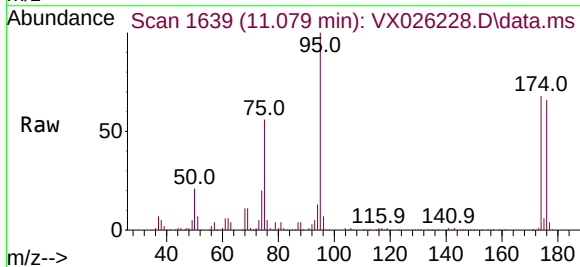
Instrument :
MSVOA_X
ClientSampleId :

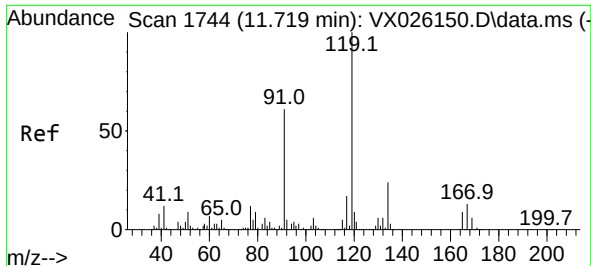
Tgt Ion:105 Resp: 4375
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 74.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Tgt Ion: 75 Resp: 77000
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#

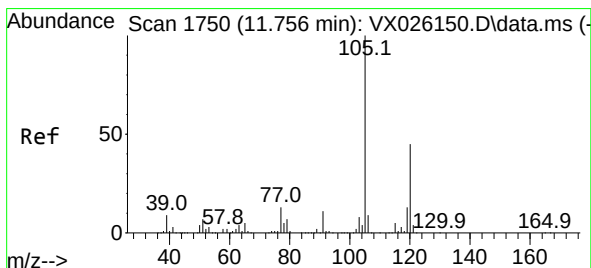
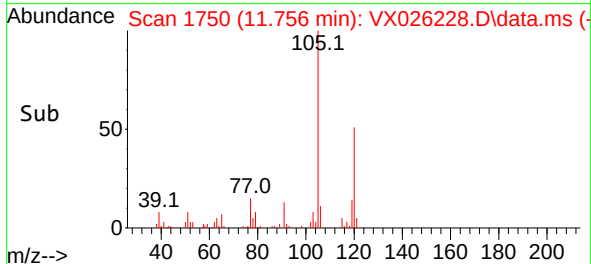
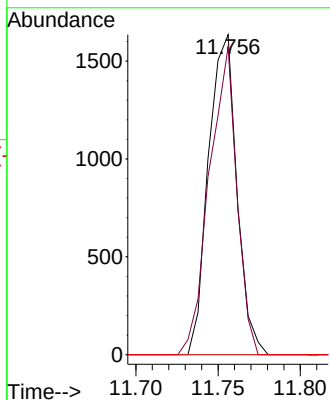
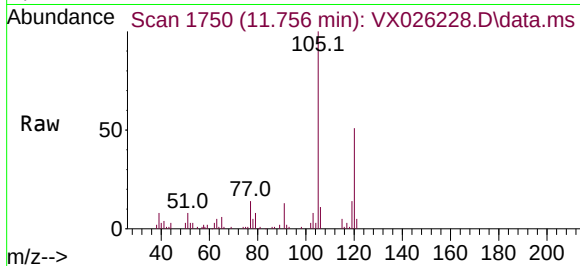




#83
 tert-Butylbenzene
 Concen: 0.251 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: VX026228.D
 Acq: 03 Jan 2022 18:19

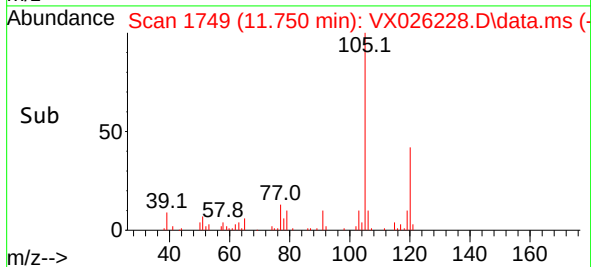
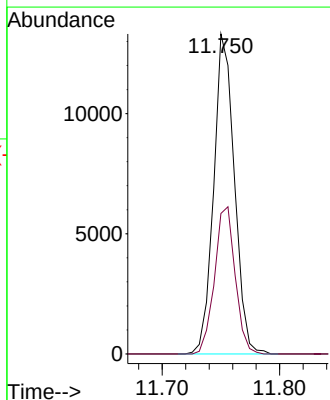
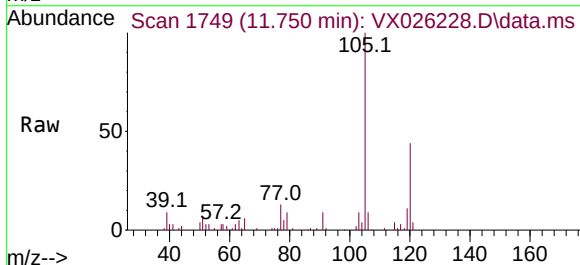
Instrument :
 MSVOA_X
 ClientSampleId :

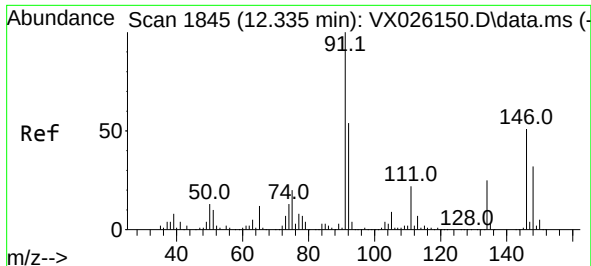
Tgt Ion:119 Resp: 1962
 Ion Ratio Lower Upper
 119 100
 91 92.9 28.7 86.1#
 134 0.0 11.9 35.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.032 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: VX026228.D
 Acq: 03 Jan 2022 18:19

Tgt Ion:105 Resp: 16324
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX026228.D

Acq: 03 Jan 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :

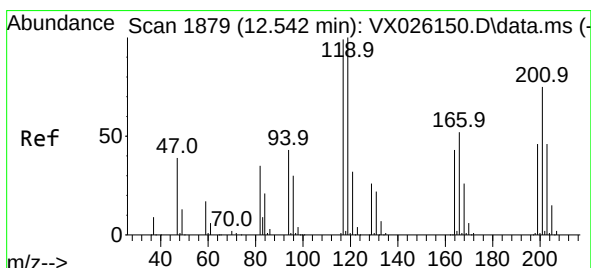
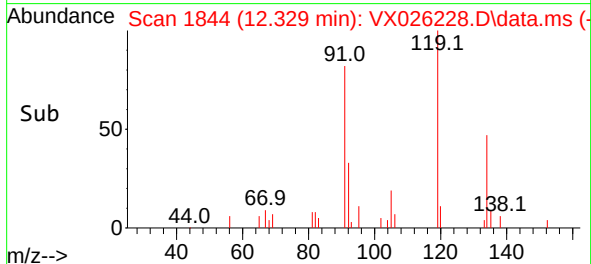
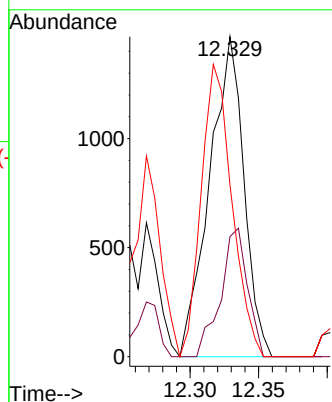
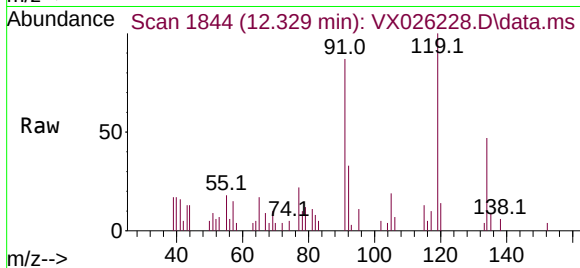
Tgt Ion: 91 Resp: 2549

Ion Ratio Lower Upper

91 100

92 31.5 27.3 81.8

134 81.9 13.5 40.4#



#90

Hexachloroethane

Concen: 0.204 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.012 min

Lab File: VX026228.D

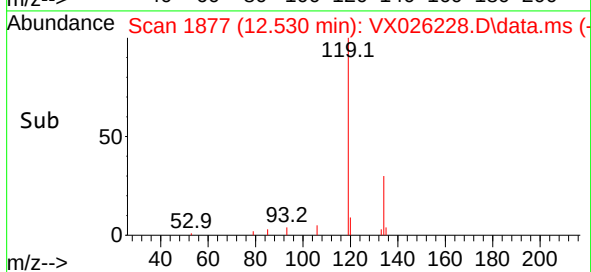
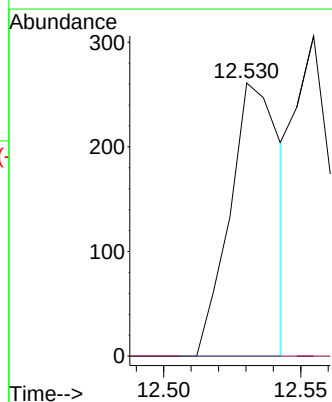
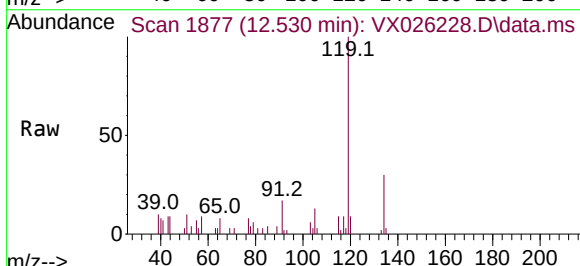
Acq: 03 Jan 2022 18:19

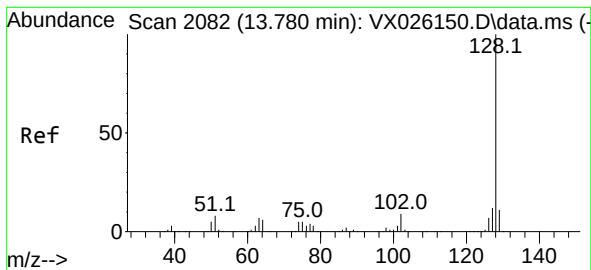
Tgt Ion: 117 Resp: 331

Ion Ratio Lower Upper

117 100

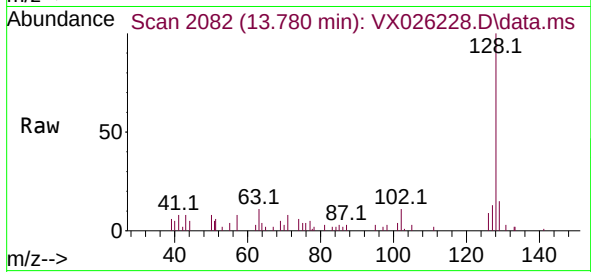
201 0.0 35.4 106.3#





#95
Naphthalene
Concen: 0.573 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026228.D
Acq: 03 Jan 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 5520
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 14.9 8.8 13.2#

