

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042977.D
 Acq On : 09 Aug 2024 07:12
 Operator : JC/MD
 Sample : P3458-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-257-272

Quant Time: Aug 09 08:36:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

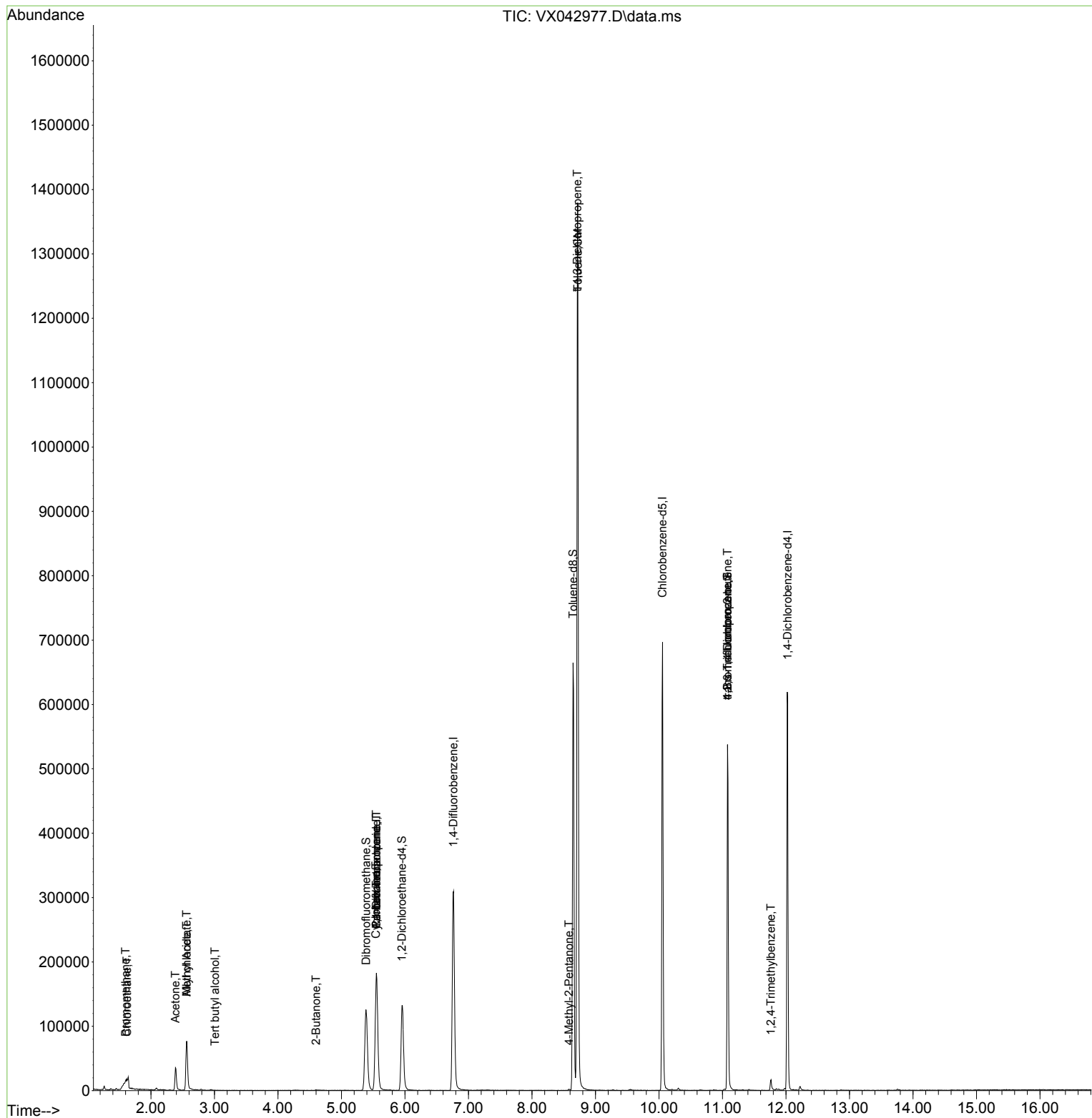
Internal Standards						
1) Pentafluorobenzene	5.550	168	170266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	325993	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	316860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	134078	57.362	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.720%			
35) Dibromofluoromethane	5.385	113	113407	53.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.647	98	409607	54.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.260%			
62) 4-Bromofluorobenzene	11.079	95	143047	52.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.220%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	409	0.356	ug/l #	66
6) Chloroethane	1.624	64	316	0.292	ug/l #	43
11) Tert butyl alcohol	3.008	59	127	0.273	ug/l #	78
14) Allyl chloride	2.563	41	7932	2.797	ug/l #	66
16) Acetone	2.386	43	40102	39.555	ug/l	97
18) Methyl Acetate	2.563	43	21776	6.773	ug/l #	53
20) Methylene Chloride	2.788	84	561	Below Cal	#	78
25) 2-Butanone	4.599	43	663	0.416	ug/l #	51
31) Cyclohexane	5.544	56	3829	1.309	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	13422	4.644	ug/l #	52
38) Carbon Tetrachloride	5.550	117	17547	5.379	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	1168	0.326	ug/l #	85
52) Toluene	8.720	92	526570	96.789	ug/l	93
53) t-1,3-Dichloropropene	8.714	75	6470	2.255	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	74141	24.796	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	74141	80.624	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.762	105	5688	0.710	ug/l #	33

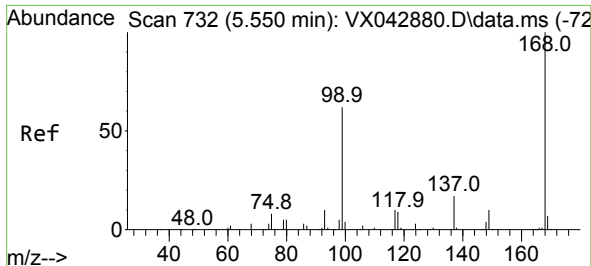
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

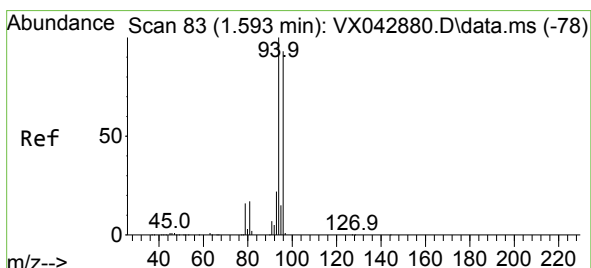
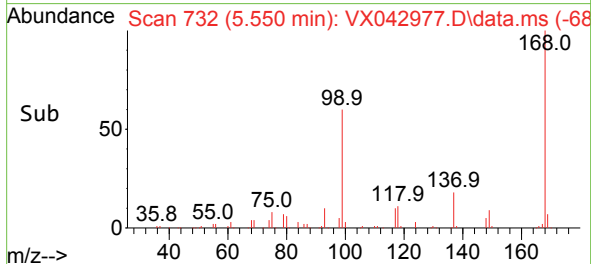
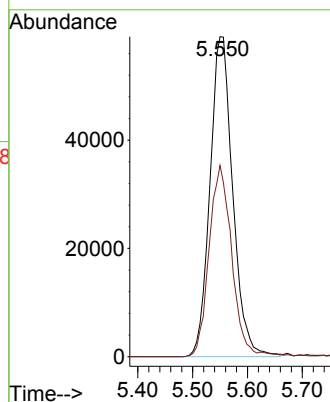
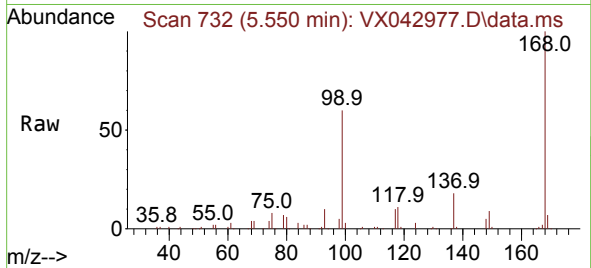




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

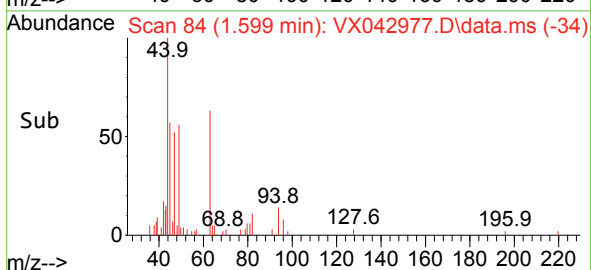
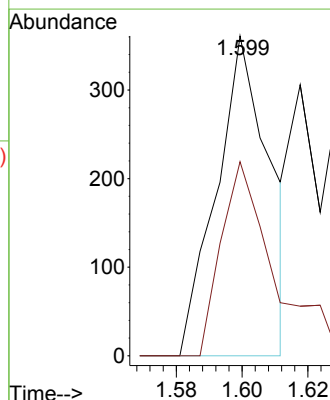
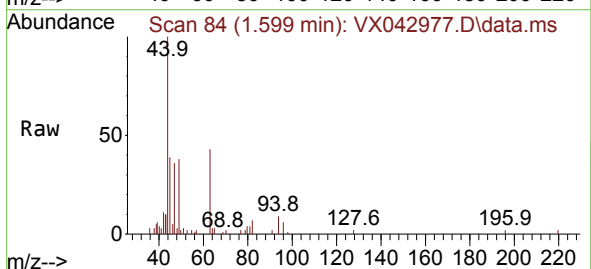
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

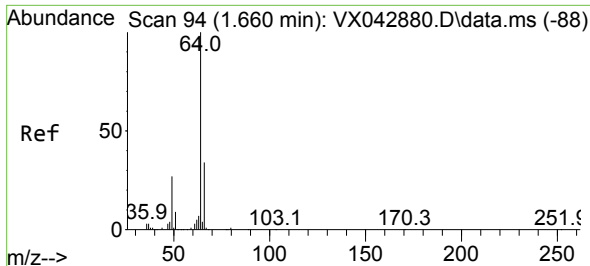
Tgt Ion:168 Resp: 170266
Ion Ratio Lower Upper
168 100
99 59.8 56.6 85.0



#5
Bromomethane
Concen: 0.356 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 60.7 74.6 111.8#

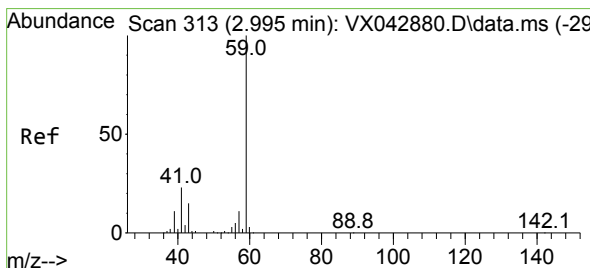
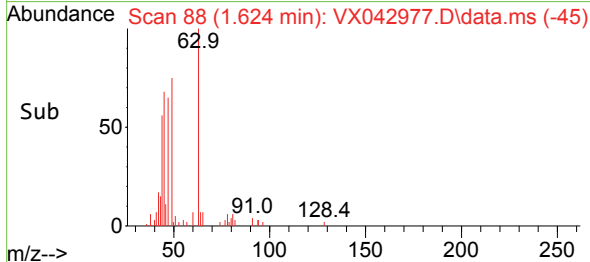
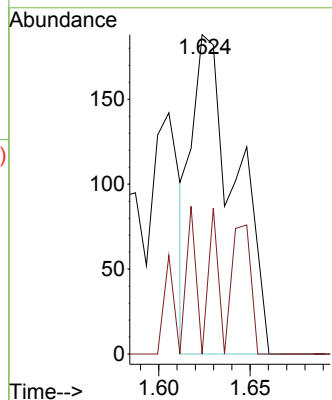
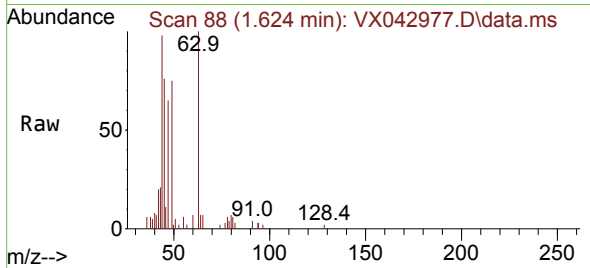




#6
Chloroethane
Concen: 0.292 ug/l
RT: 1.624 min Scan# 81
Delta R.T. -0.037 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

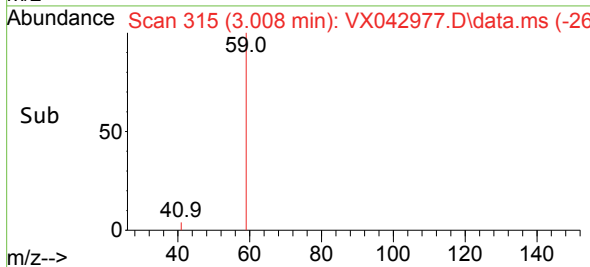
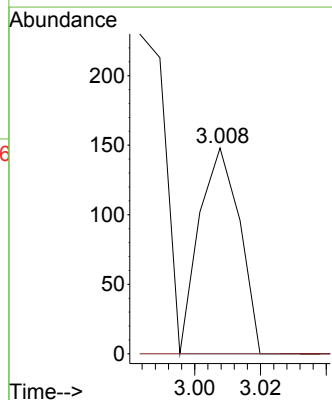
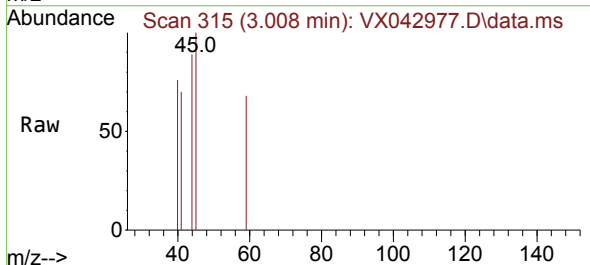
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

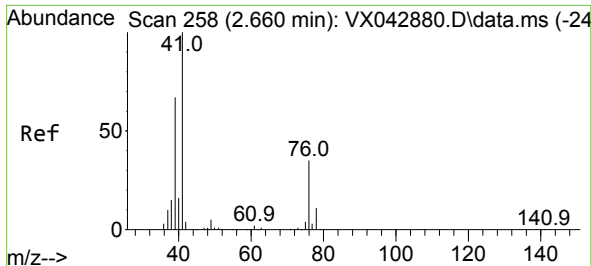
Tgt Ion: 64 Resp: 316
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.273 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.012 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

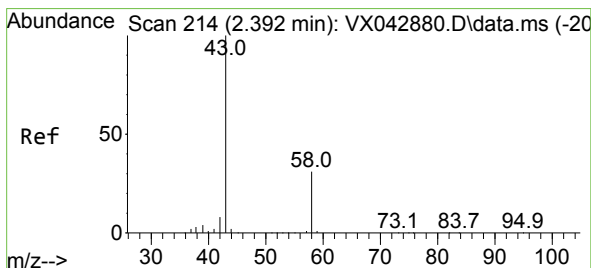
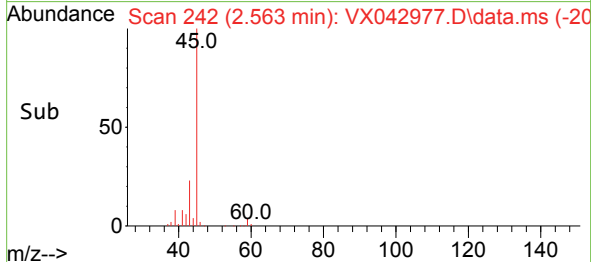
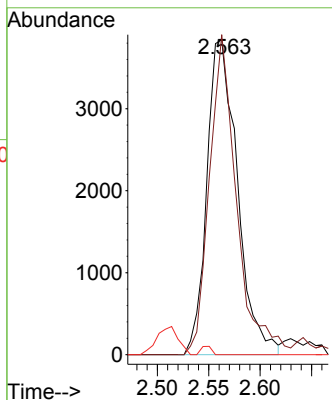
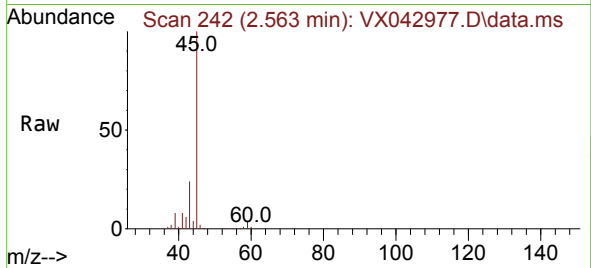




#14
 Allyl chloride
 Concen: 2.797 ug/l
 RT: 2.563 min Scan# 24
 Delta R.T. -0.098 min
 Lab File: VX042977.D
 Acq: 09 Aug 2024 07:12

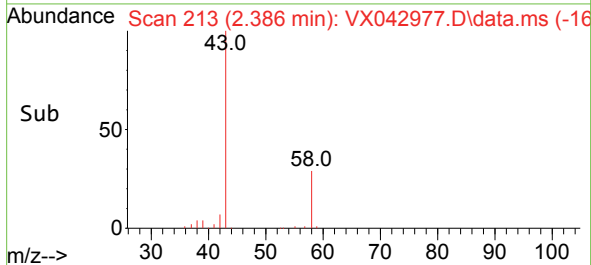
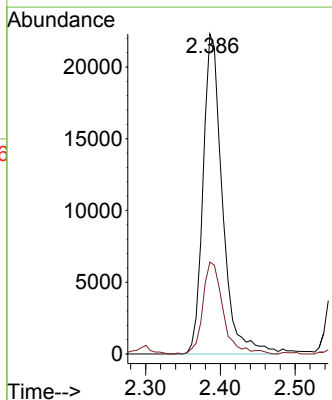
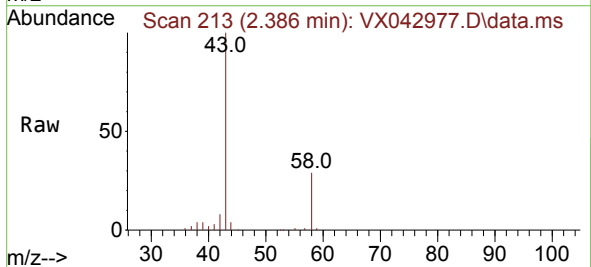
Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-257-272

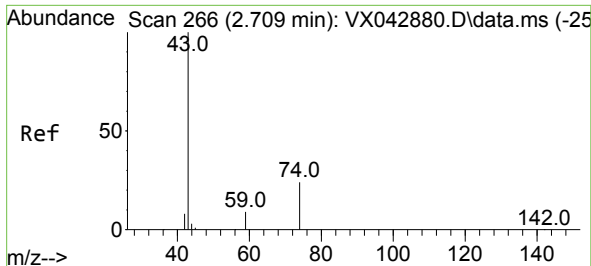
Tgt Ion: 41 Resp: 7932
 Ion Ratio Lower Upper
 41 100
 39 90.3 55.8 83.6#
 76 0.9 24.3 36.5#



#16
 Acetone
 Concen: 39.555 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX042977.D
 Acq: 09 Aug 2024 07:12

Tgt Ion: 43 Resp: 40102
 Ion Ratio Lower Upper
 43 100
 58 28.7 21.9 32.9





#18

Methyl Acetate

Concen: 6.773 ug/l

RT: 2.563 min Scan# 242

Delta R.T. -0.146 min

Lab File: VX042977.D

Acq: 09 Aug 2024 07:12

Instrument :

MSVOA_X

ClientSampleId :

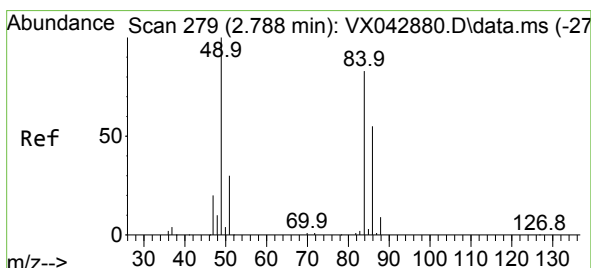
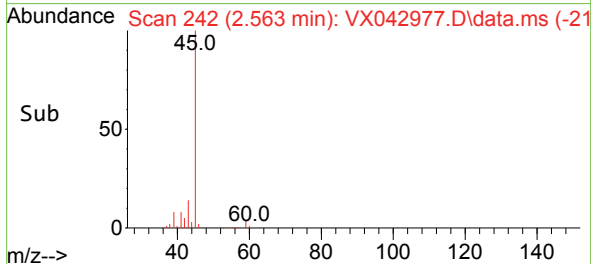
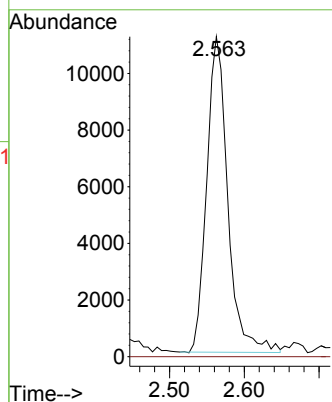
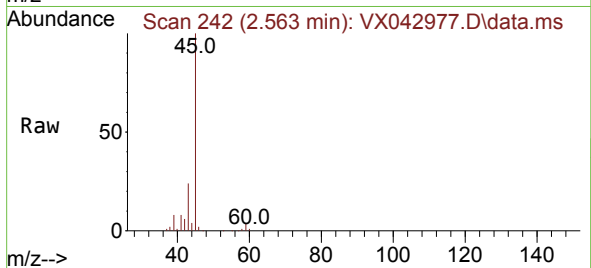
MLS-15-257-272

Tgt Ion: 43 Resp: 21776

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX042977.D

Acq: 09 Aug 2024 07:12

Tgt Ion: 84 Resp: 561

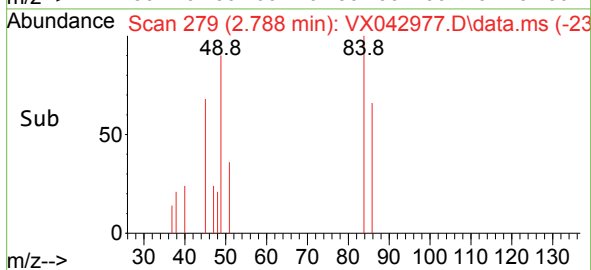
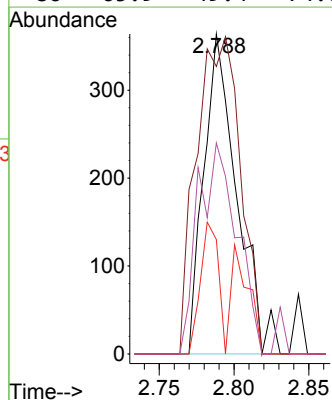
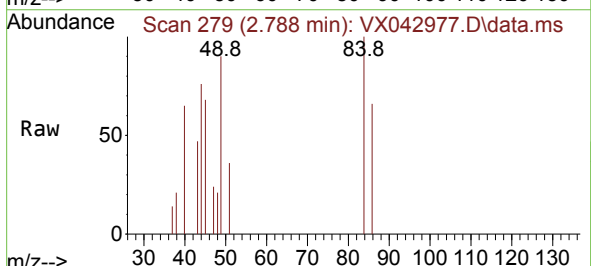
Ion Ratio Lower Upper

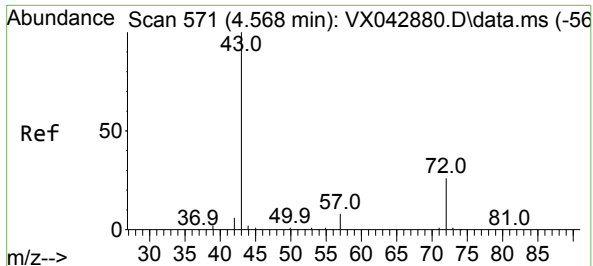
84 100

49 89.8 103.6 155.4#

51 35.7 33.8 50.6

86 65.9 49.4 74.0

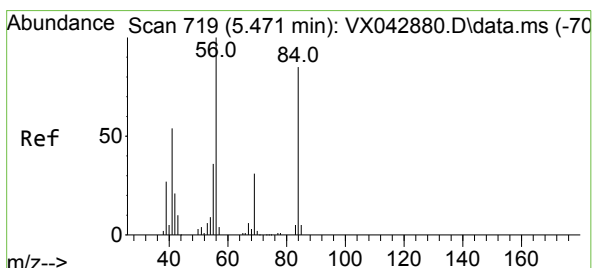
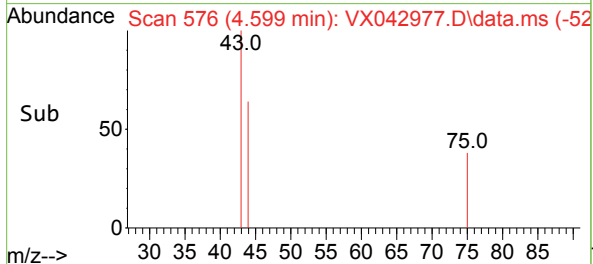
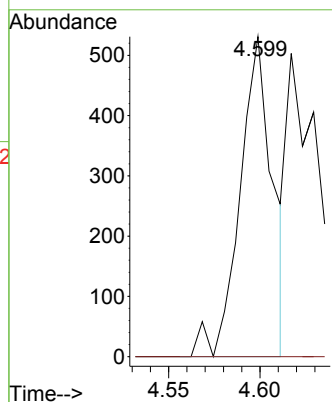
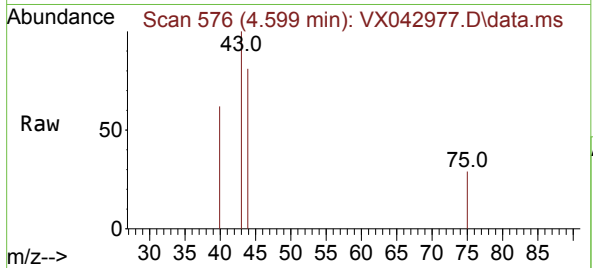




#25
2-Butanone
Concen: 0.416 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

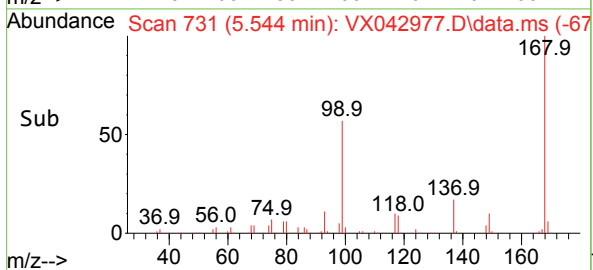
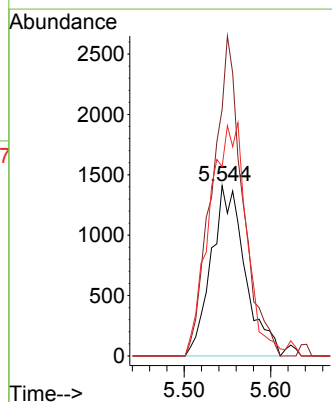
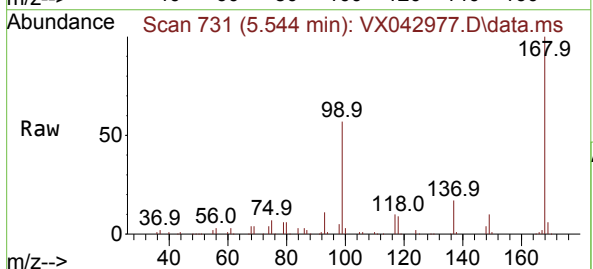
Instrument :
MSVOA_X
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MLS-15-257-272

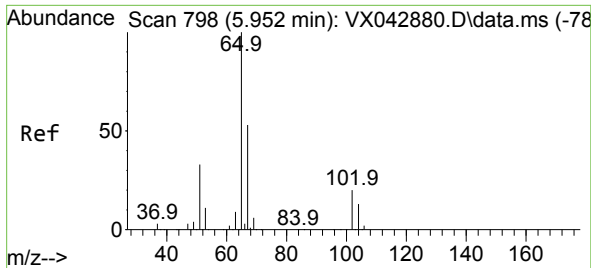
Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 56 Resp: 3829
Ion Ratio Lower Upper
56 100
69 144.8 23.4 35.2#
84 111.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 57.362 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX042977.D

Acq: 09 Aug 2024 07:12

Instrument :

MSVOA_X

ClientSampleId :

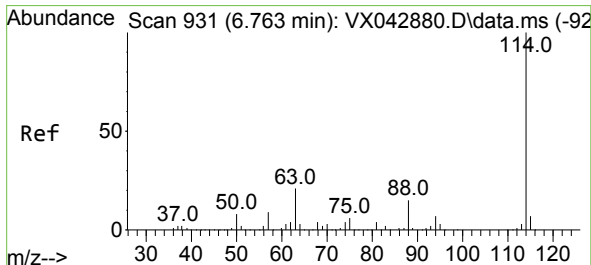
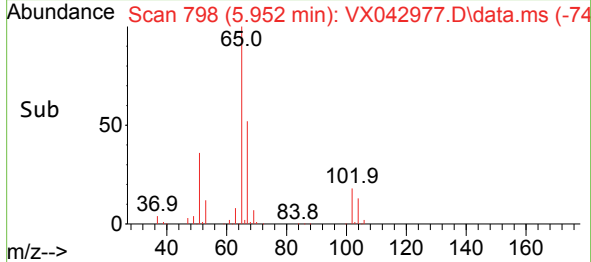
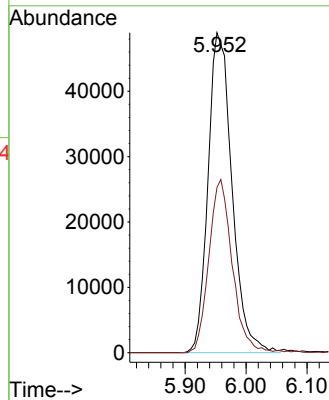
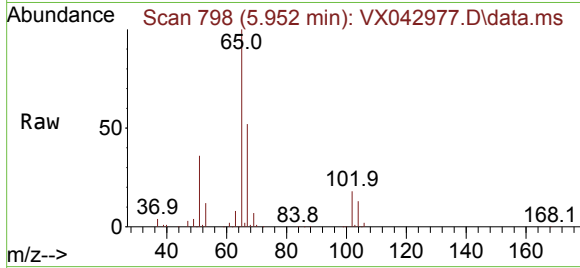
MLS-15-257-272

Tgt Ion: 65 Resp: 134078

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042977.D

Acq: 09 Aug 2024 07:12

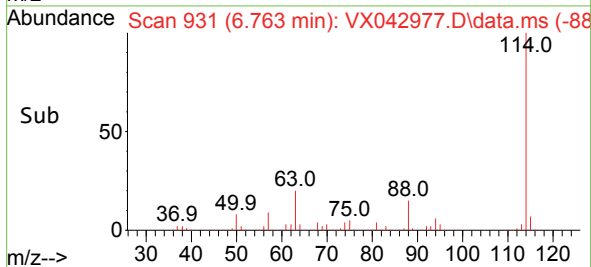
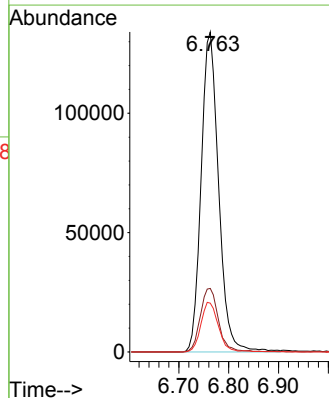
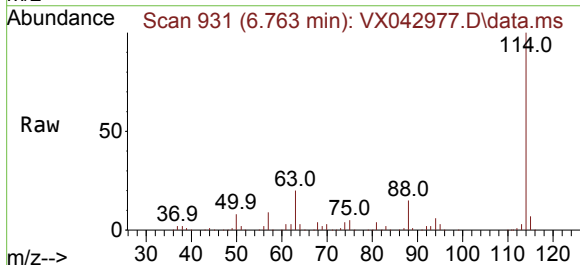
Tgt Ion: 114 Resp: 325993

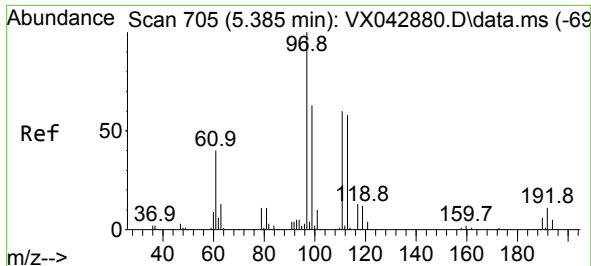
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

88 15.3 0.0 36.6

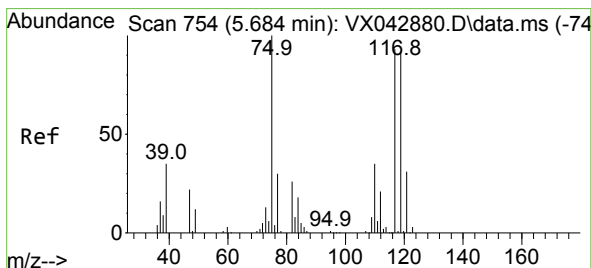
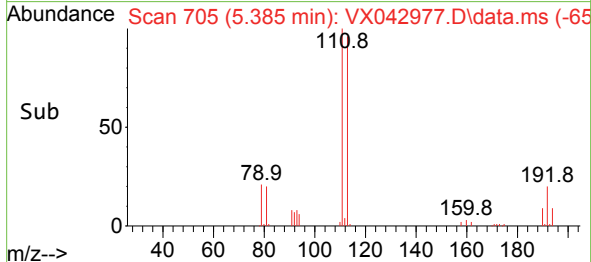
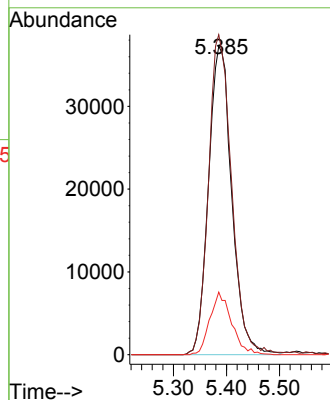
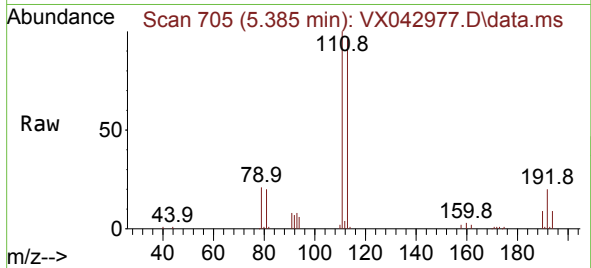




#35
Dibromofluoromethane
Concen: 53.205 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

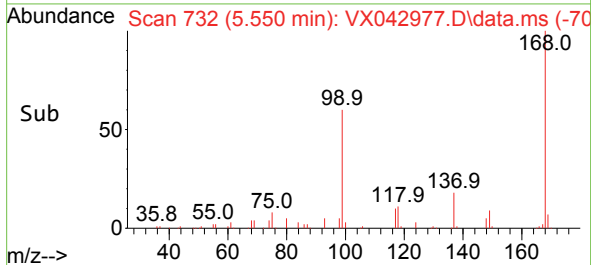
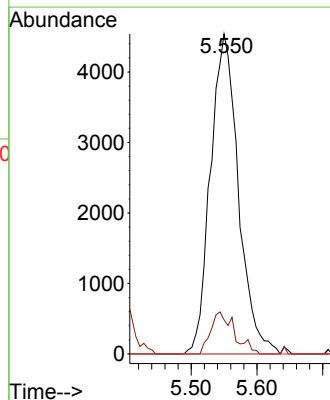
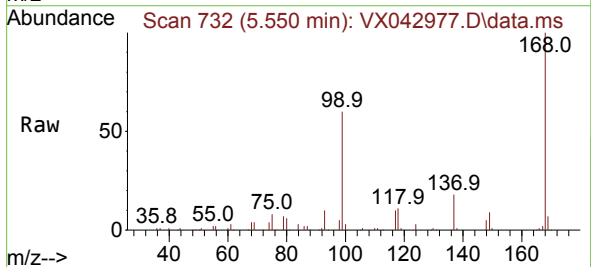
Instrument :
MSVOA_X
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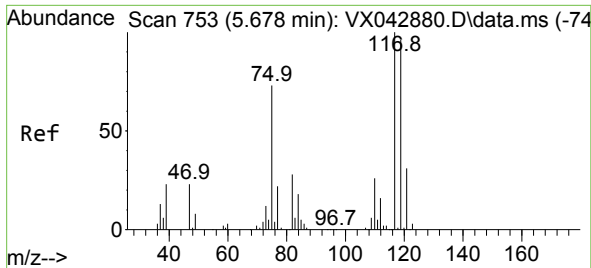
Tgt Ion:113 Resp: 113407
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.644 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

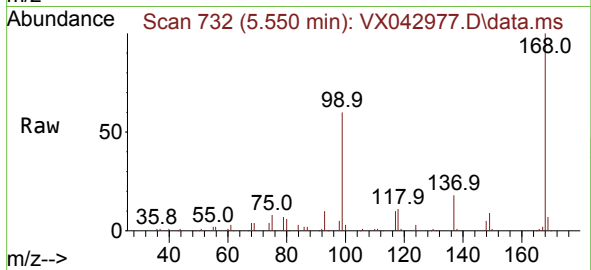
Tgt Ion: 75 Resp: 13422
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#



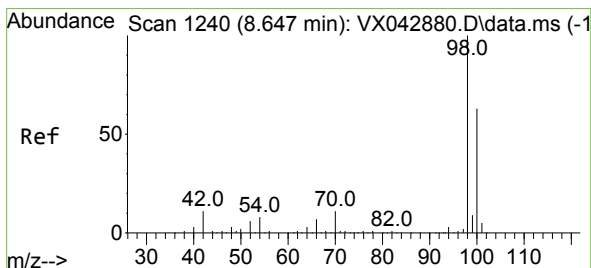
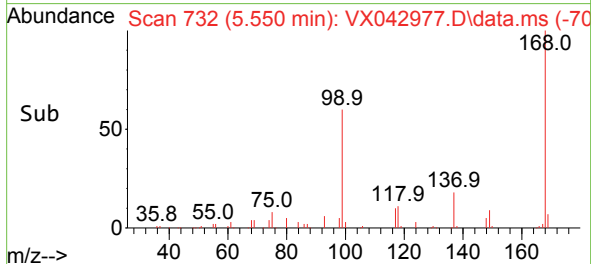
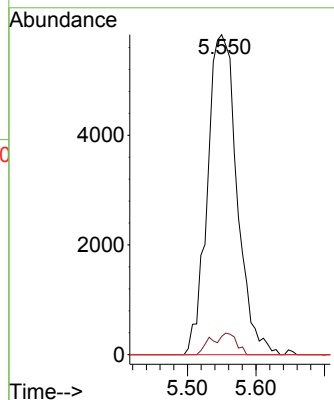


#38
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

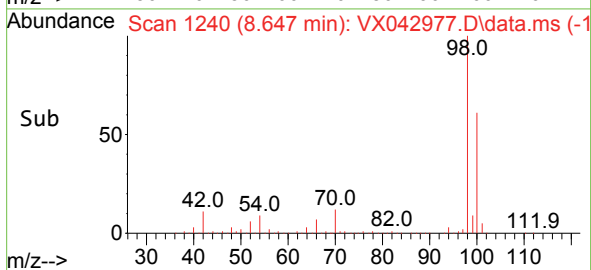
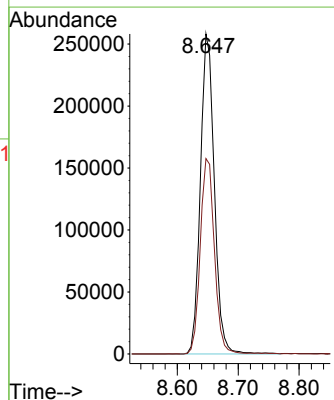
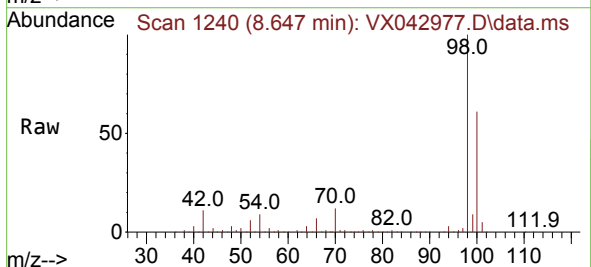


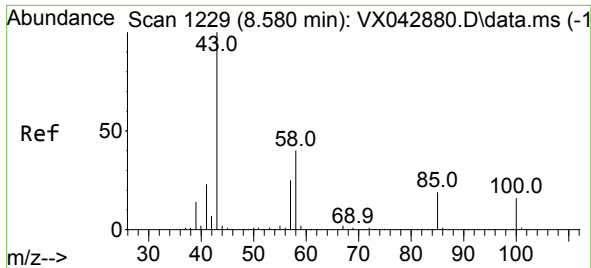
Tgt Ion:117 Resp: 17547
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 54.131 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 98 Resp: 409607
Ion Ratio Lower Upper
98 100
100 62.0 53.1 79.7

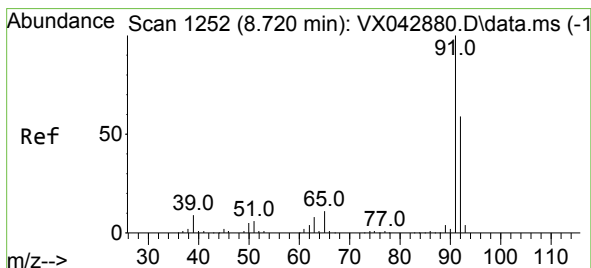
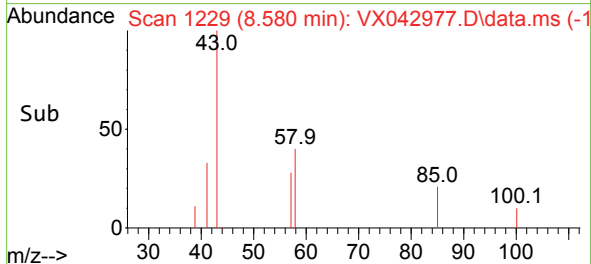
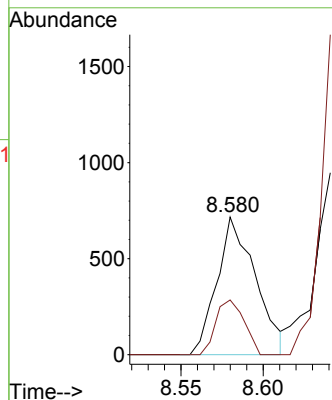
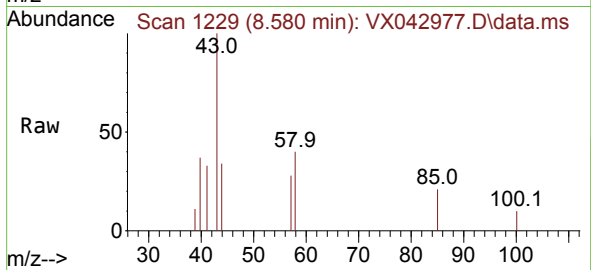




#51
4-Methyl-2-Pentanone
Concen: 0.326 ug/l
RT: 8.580 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

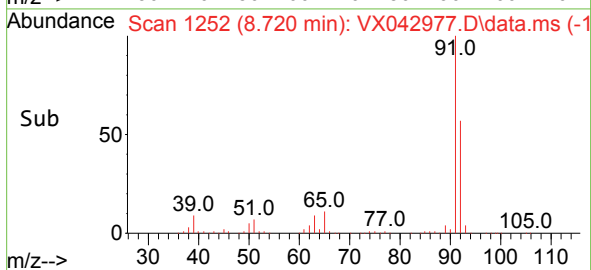
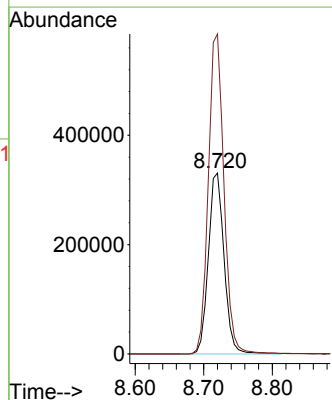
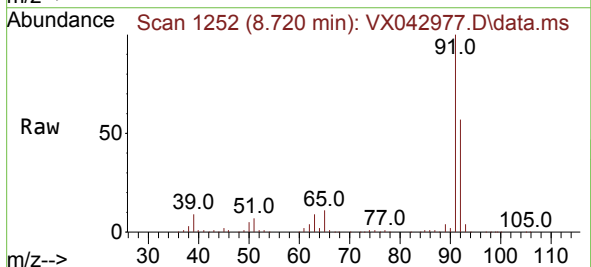
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

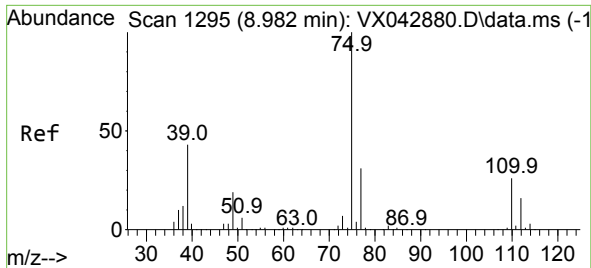
Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 29.2 30.4 45.6#



#52
Toluene
Concen: 96.789 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 92 Resp: 526570
Ion Ratio Lower Upper
92 100
91 176.7 134.2 201.2

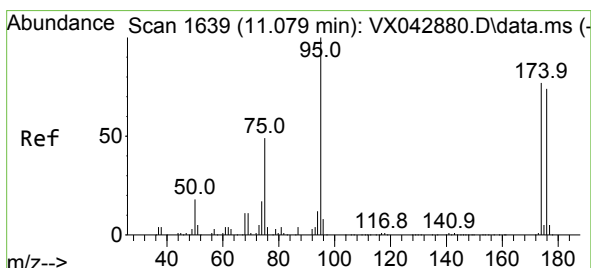
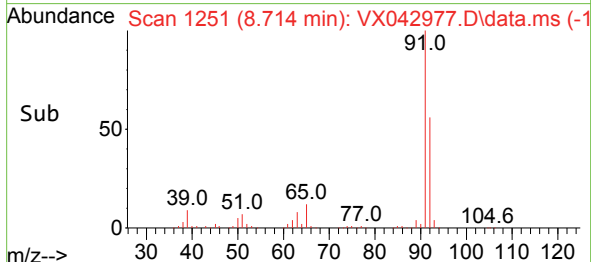
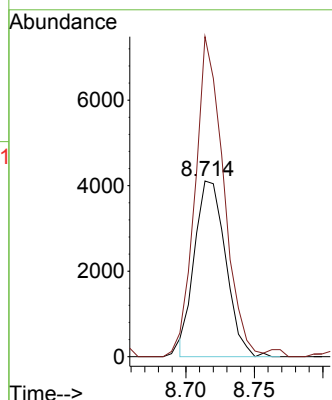
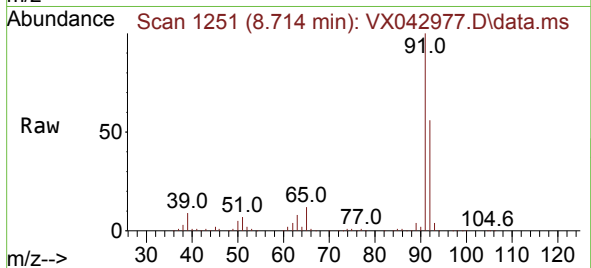




#53
 t-1,3-Dichloropropene
 Concen: 2.255 ug/l
 RT: 8.714 min Scan# 11
 Delta R.T. -0.268 min
 Lab File: VX042977.D
 Acq: 09 Aug 2024 07:12

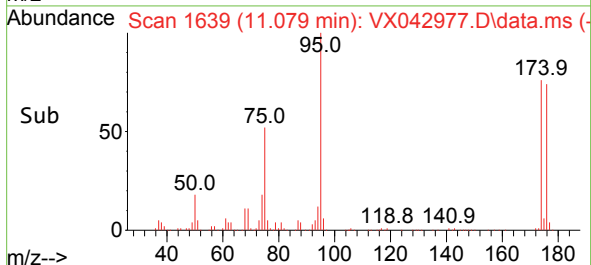
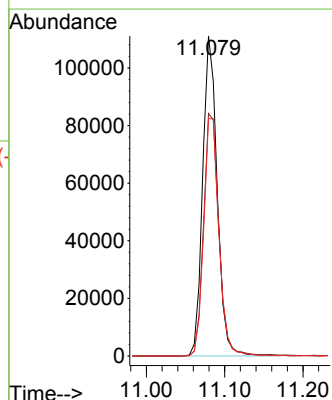
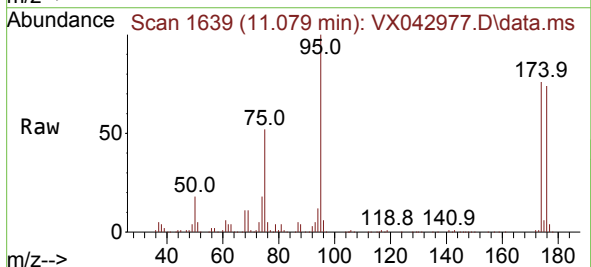
Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-257-272

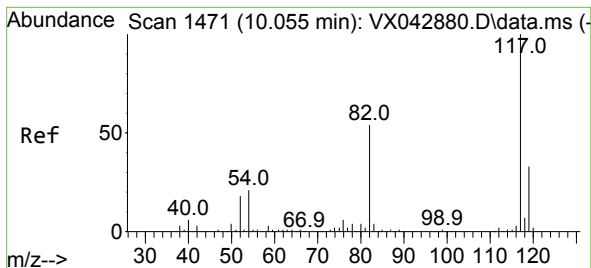
Tgt Ion: 75 Resp: 6470
 Ion Ratio Lower Upper
 75 100
 77 178.2 25.7 38.5#



#62
 4-Bromofluorobenzene
 Concen: 52.608 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX042977.D
 Acq: 09 Aug 2024 07:12

Tgt Ion: 95 Resp: 143047
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 135.6
 176 77.9 0.0 131.0

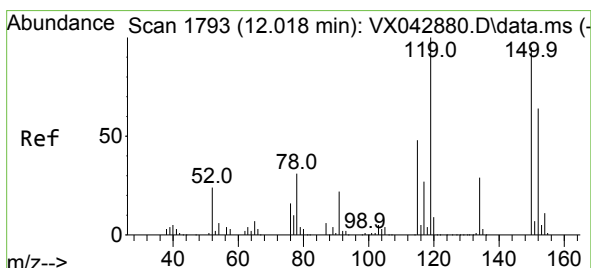
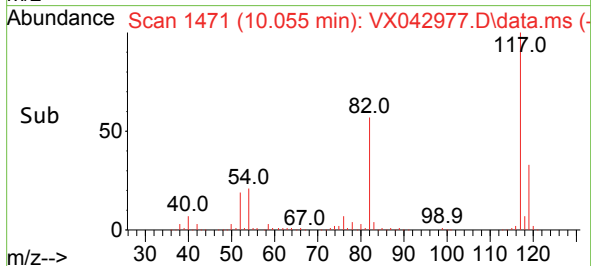
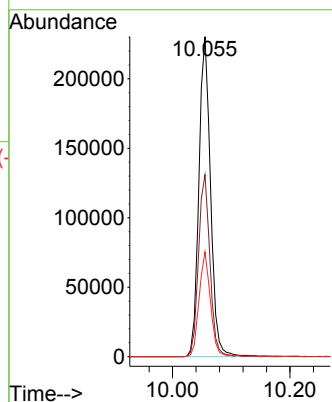
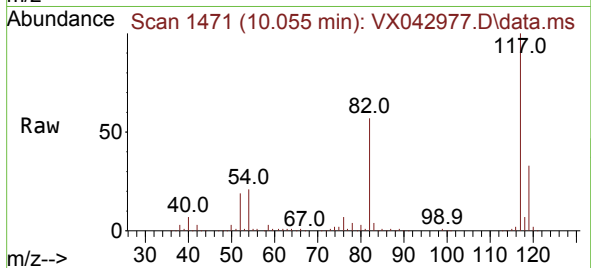




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

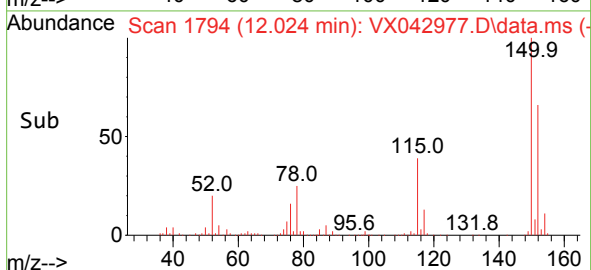
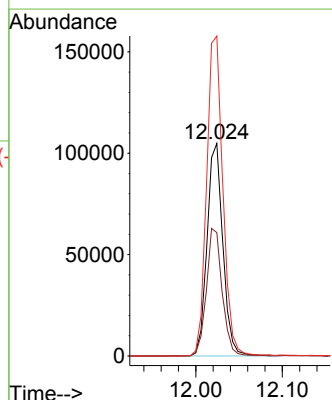
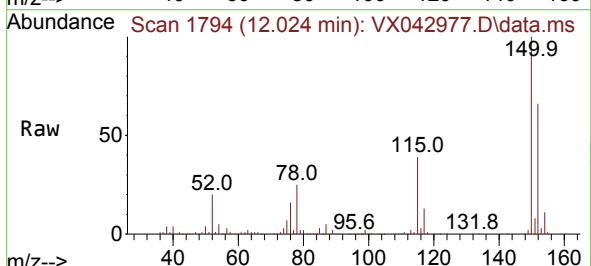
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

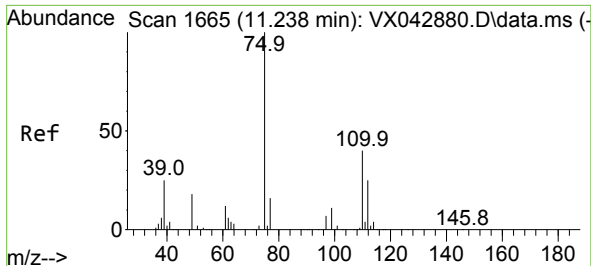
Tgt Ion:117 Resp: 316860
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion:152 Resp: 132953
Ion Ratio Lower Upper
152 100
115 59.9 43.3 129.9
150 154.6 0.0 345.0

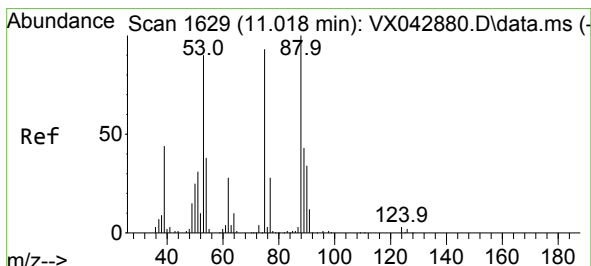
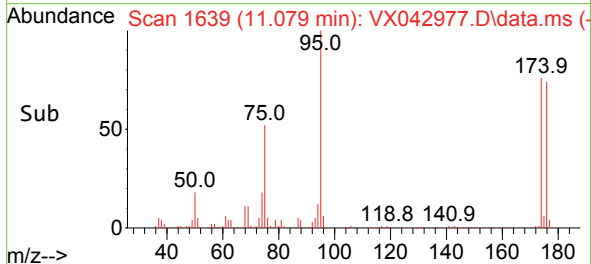
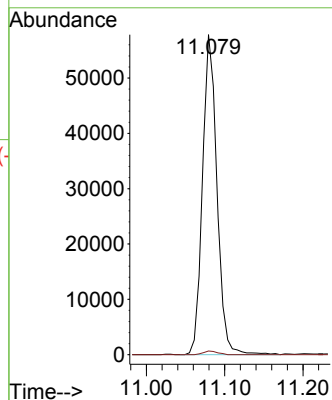
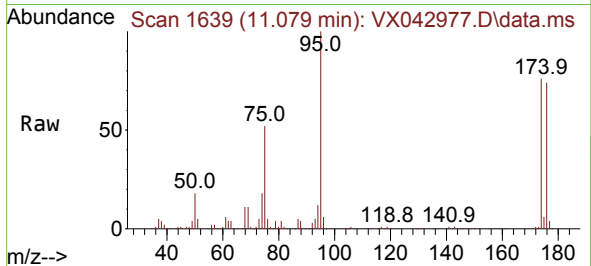




#76
1,2,3-Trichloropropane
Concen: 24.796 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

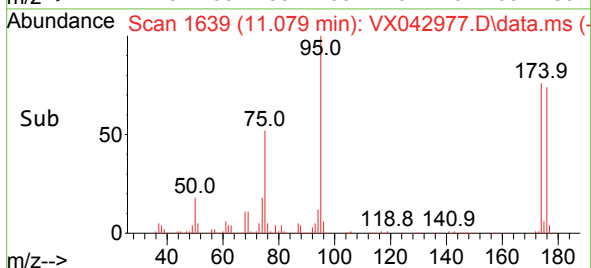
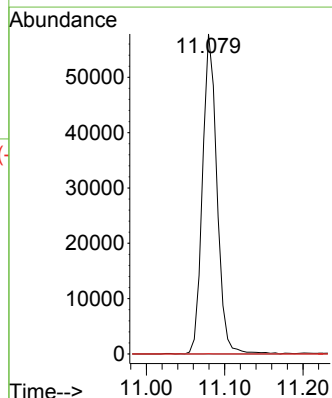
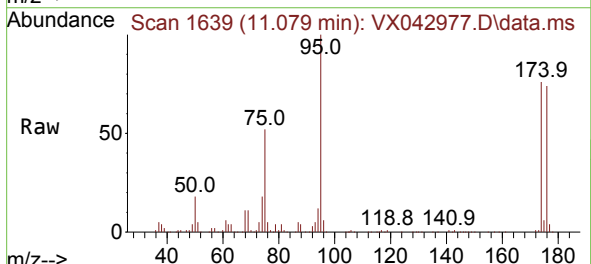
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-257-272

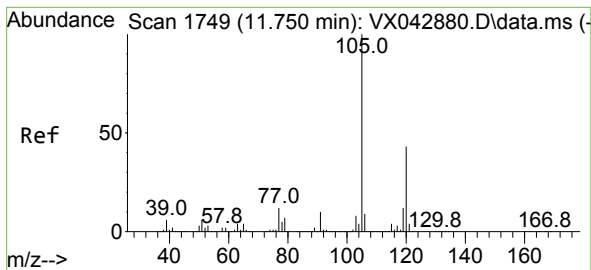
Tgt Ion: 75 Resp: 74141
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042977.D
Acq: 09 Aug 2024 07:12

Tgt Ion: 75 Resp: 74141
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.710 ug/l
 RT: 11.762 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX042977.D
 Acq: 09 Aug 2024 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-257-272

Tgt Ion:105 Resp: 5688
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.2 63.6#

