

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034475.D
 Acq On : 14 Mar 2023 19:15
 Operator : JC/MD
 Sample : 01907-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33969

Quant Time: Mar 15 06:52:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

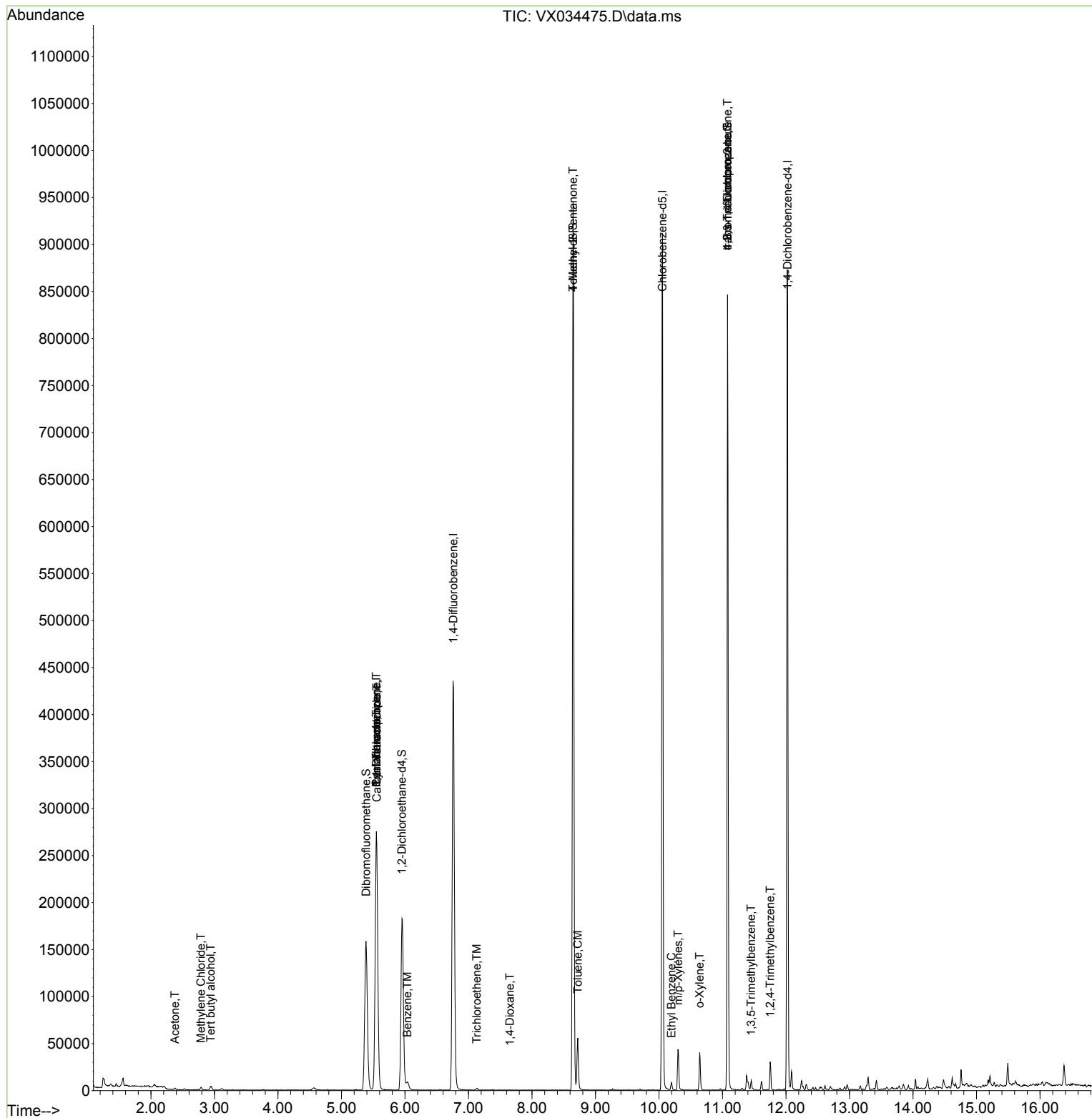
Internal Standards						
1) Pentafluorobenzene	5.550	168	261670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	446560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	401806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	174011	45.711	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.420%		
35) Dibromofluoromethane	5.385	113	139216	47.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.440%		
50) Toluene-d8	8.647	98	542692	49.306	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.620%		
62) 4-Bromofluorobenzene	11.079	95	203283	45.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.440%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	636	Below Cal	#	42
11) Tert butyl alcohol	2.941	59	2256	2.846	ug/l #	73
16) Acetone	2.380	43	1364	0.761	ug/l	90
20) Methylene Chloride	2.788	84	1319	0.379	ug/l #	83
31) Cyclohexane	5.550	56	6139	1.150	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	20738	4.579	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25623	5.688	ug/l #	15
40) Benzene	6.038	78	8975	0.677	ug/l	97
44) Trichloroethene	7.129	130	794	0.231	ug/l	72
49) 1,4-Dioxane	7.653	88	41	0.484	ug/l #	18
51) 4-Methyl-2-Pentanone	8.647	43	2889	0.594	ug/l #	1
52) Toluene	8.720	92	20111	2.452	ug/l	98
67) Ethyl Benzene	10.195	91	4799	0.304	ug/l	93
68) m/p-Xylenes	10.299	106	10191	1.681	ug/l	98
69) o-Xylene	10.640	106	8740	1.437	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	107594	26.570	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.451	105	4348	0.380	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	107594	71.880	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	13245	1.134	ug/l	99

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

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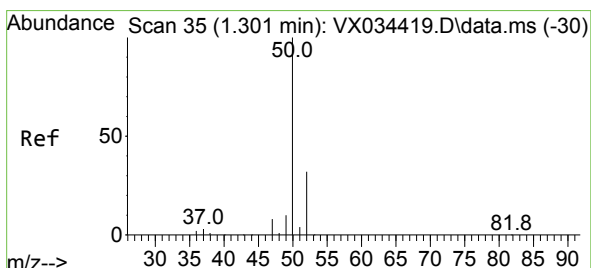
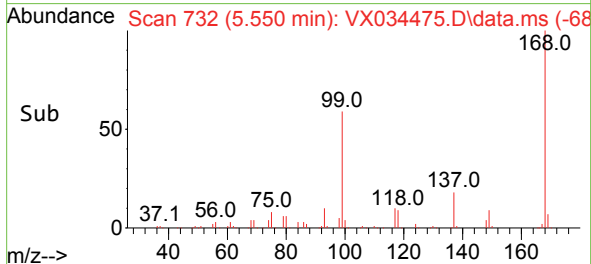
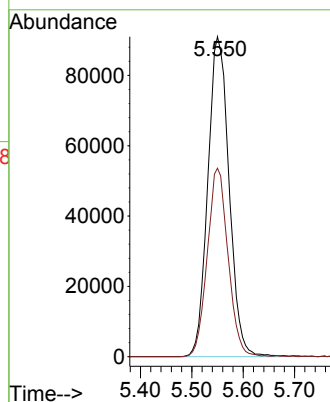
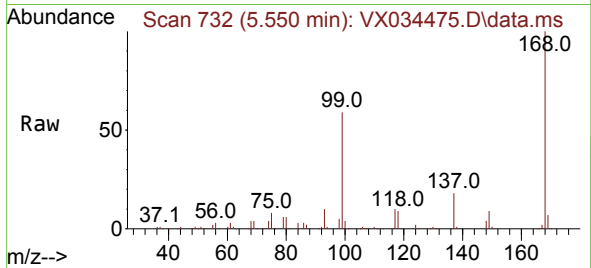




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

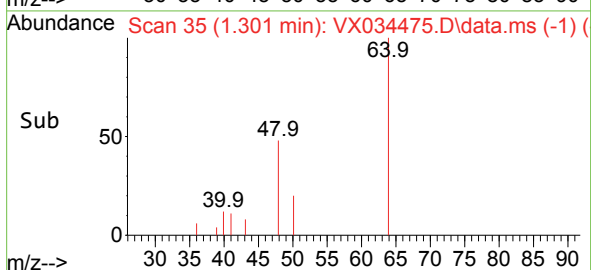
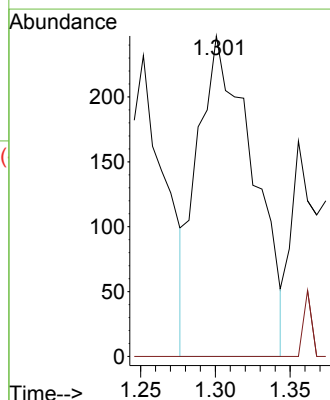
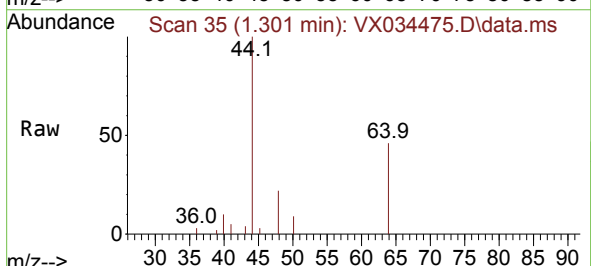
Instrument :
MSVOA_X
ClientSampleId :
33969

Tgt Ion:168 Resp: 261670
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 50 Resp: 636
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.846 ug/l

RT: 2.941 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

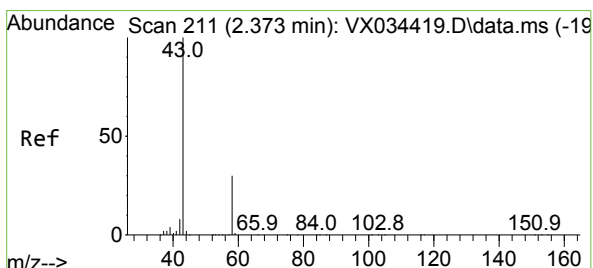
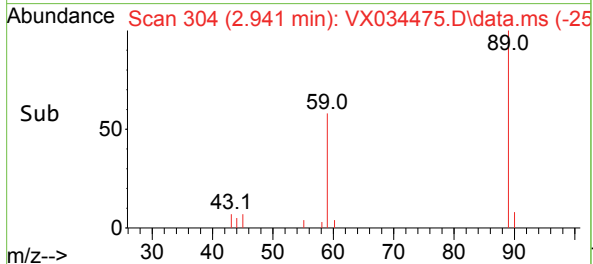
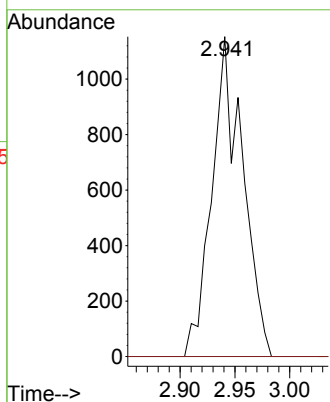
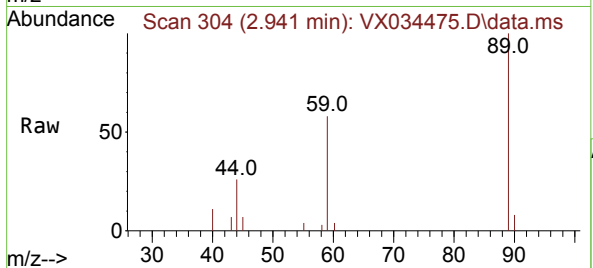
33969

Tgt Ion: 59 Resp: 2256

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 0.761 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034475.D

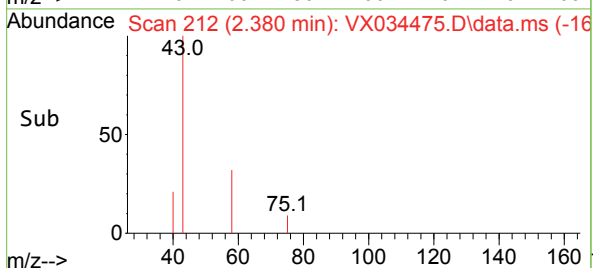
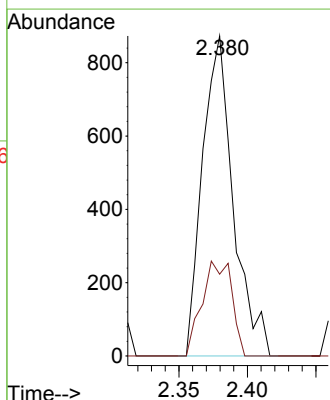
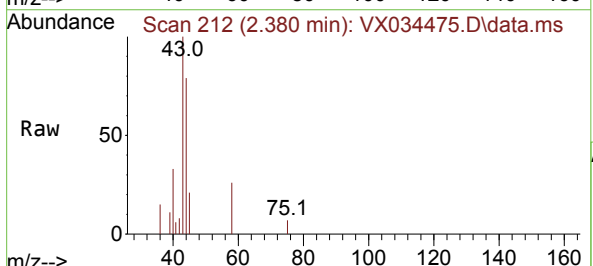
Acq: 14 Mar 2023 19:15

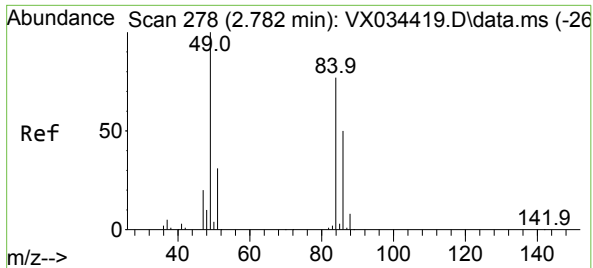
Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

58 25.5 24.7 37.1

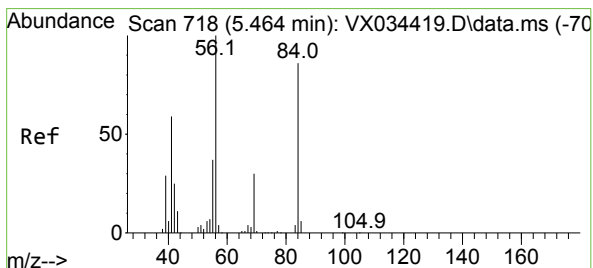
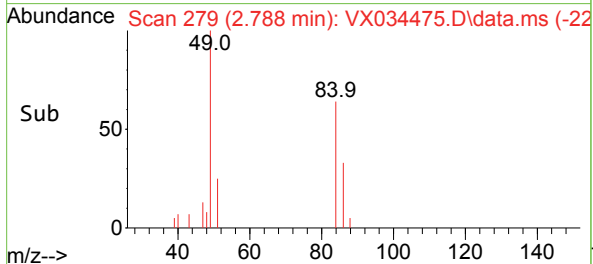
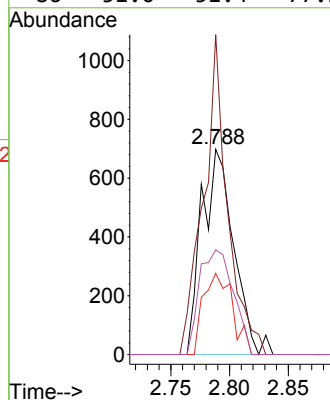
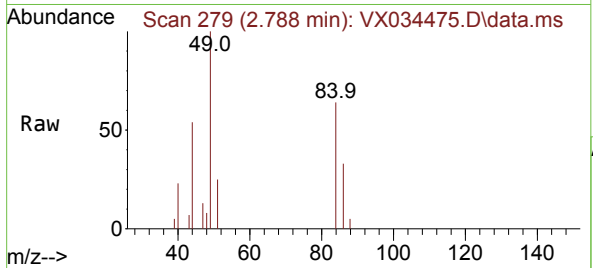




#20
Methylene Chloride
Concen: 0.379 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

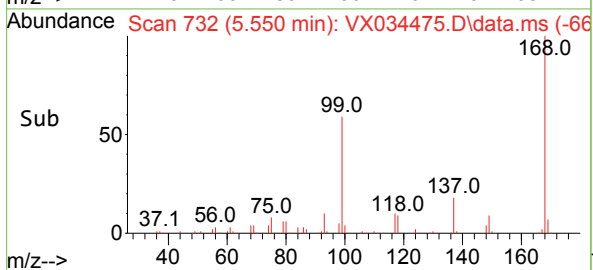
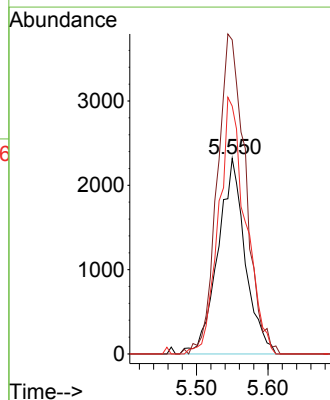
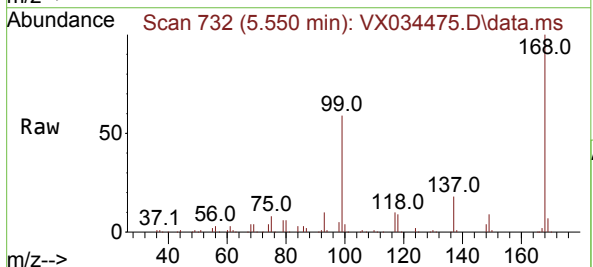
Instrument :
MSVOA_X
ClientSampleId :
33969

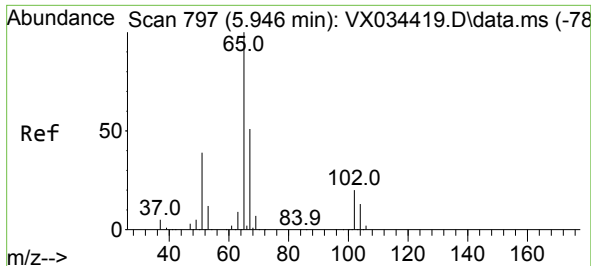
Tgt Ion:	84	Resp:	1319
Ion	Ratio	Lower	Upper
84	100		
49	155.9	103.8	155.8#
51	39.5	31.8	47.8
86	51.0	51.4	77.2#



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.086 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion:	56	Resp:	6139
Ion	Ratio	Lower	Upper
56	100		
69	160.7	23.7	35.5#
84	126.8	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.711 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

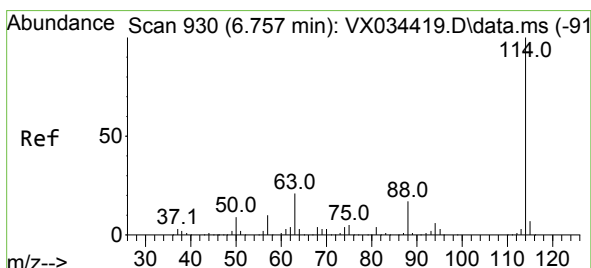
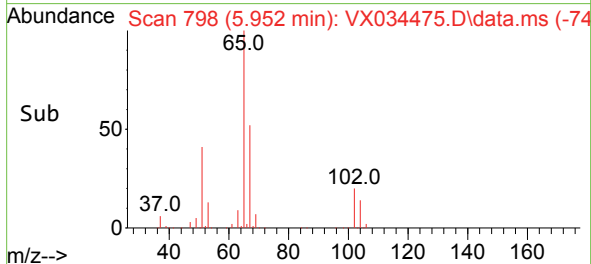
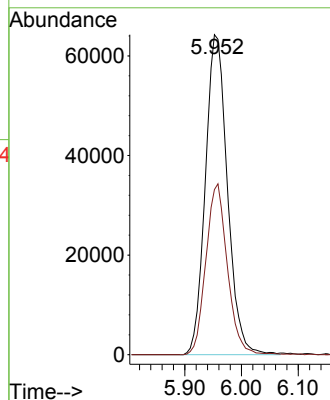
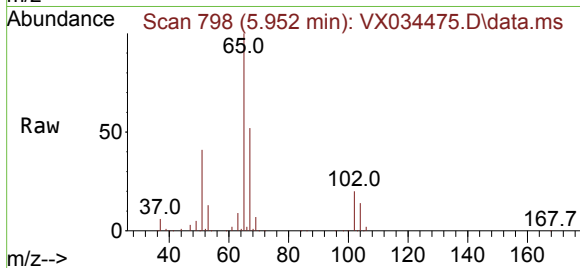
33969

Tgt Ion: 65 Resp: 174011

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

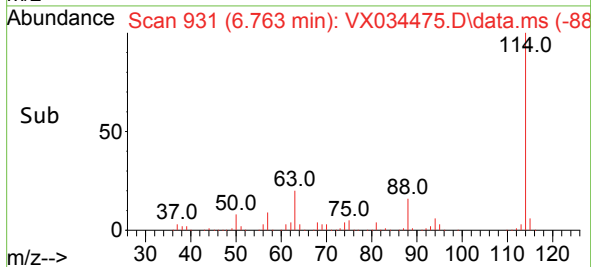
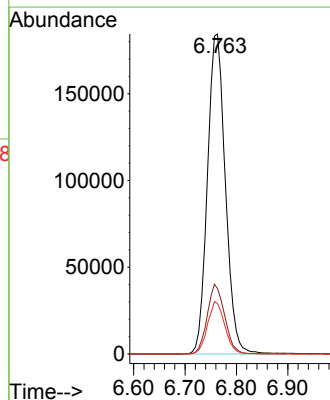
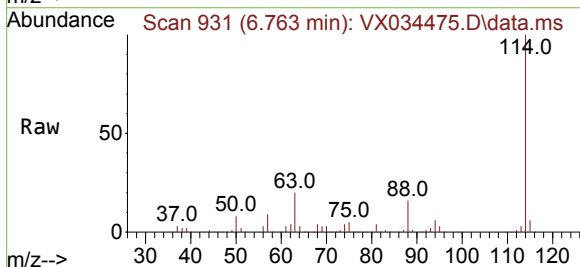
Tgt Ion: 114 Resp: 446560

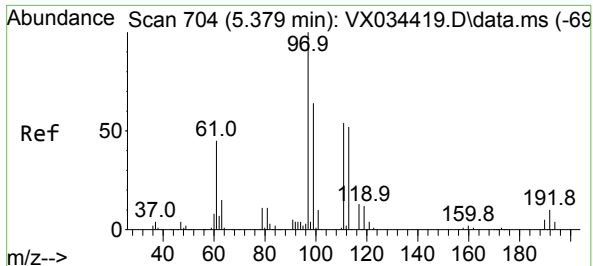
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.217 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

33969

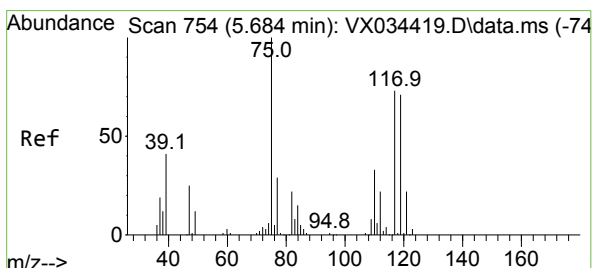
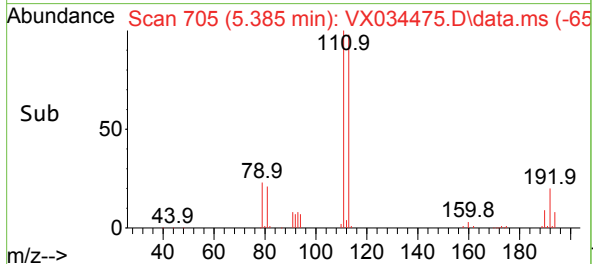
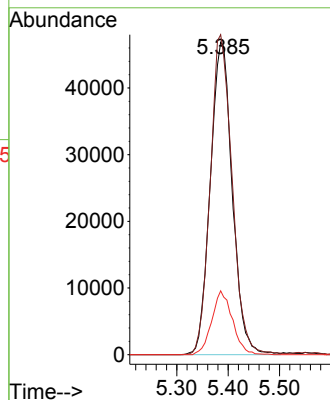
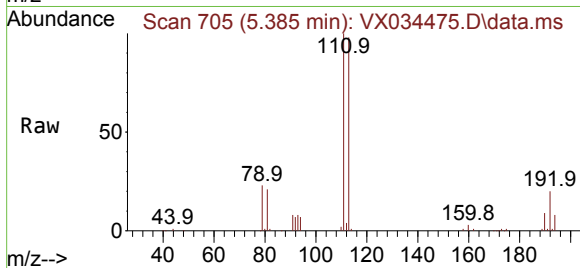
Tgt Ion:113 Resp: 139216

Ion Ratio Lower Upper

113 100

111 102.1 83.7 125.5

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

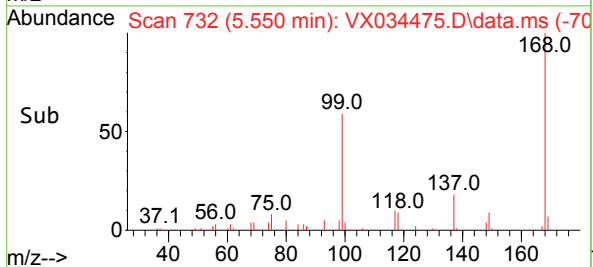
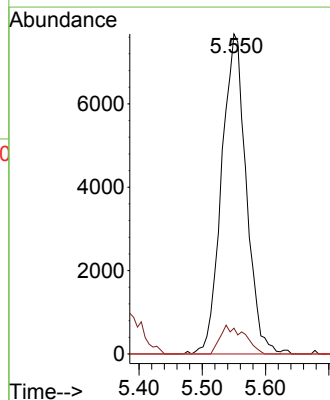
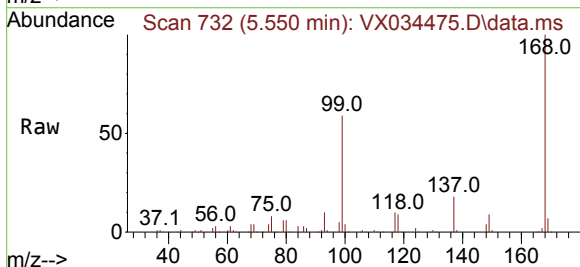
Tgt Ion: 75 Resp: 20738

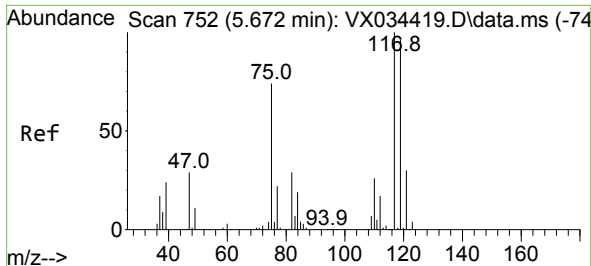
Ion Ratio Lower Upper

75 100

110 8.9 17.5 52.5#

77 0.0 24.3 36.5#

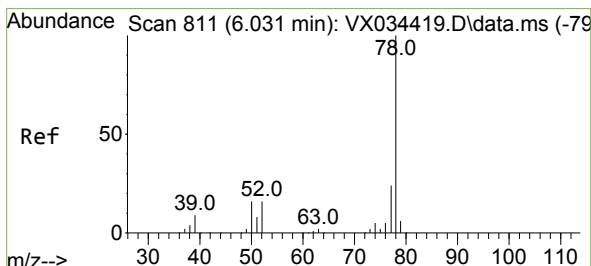
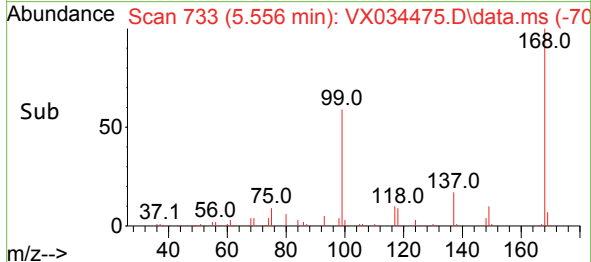
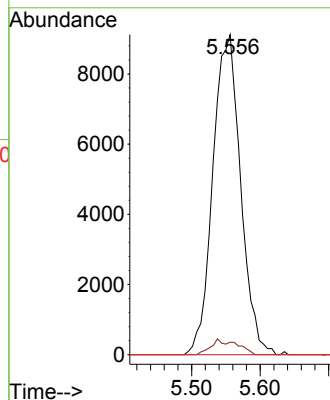
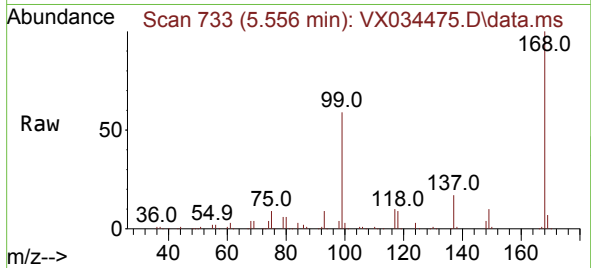




#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

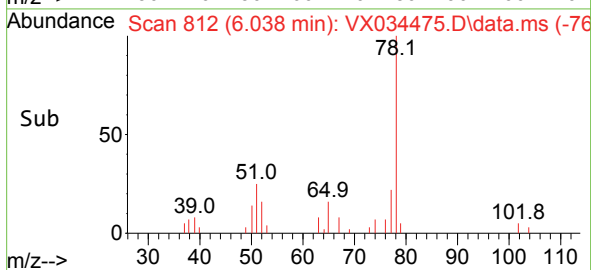
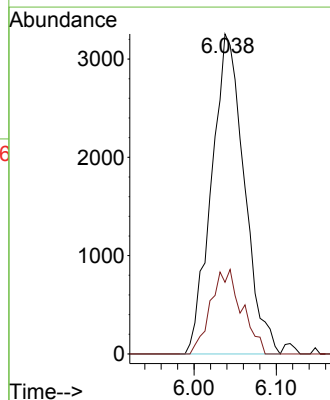
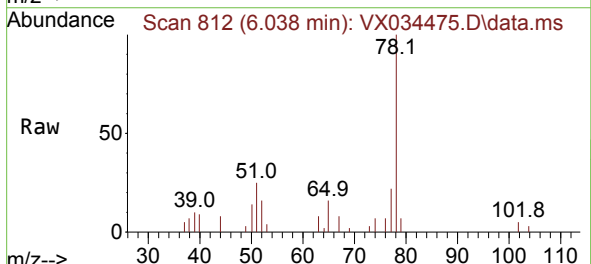
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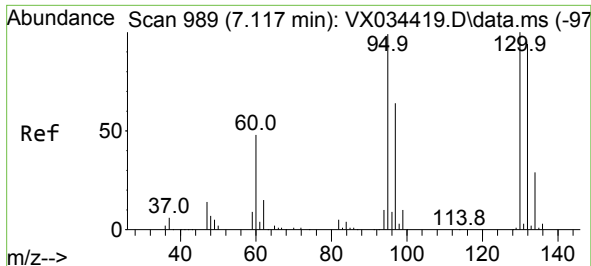
Tgt Ion:117 Resp: 25623
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.677 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 78 Resp: 8975
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4

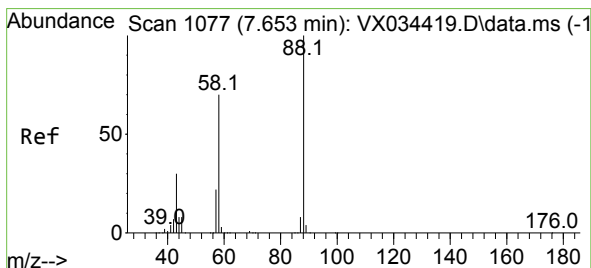
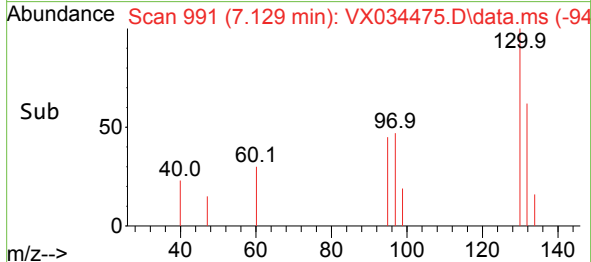
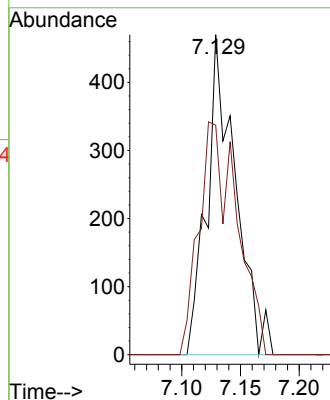
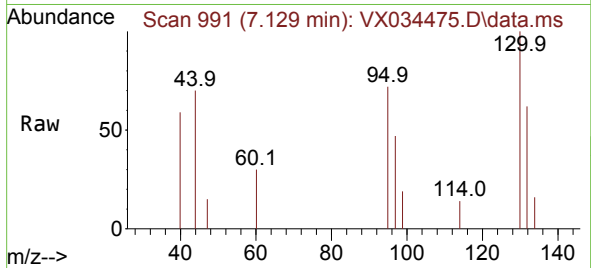




#44
Trichloroethene
Concen: 0.231 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

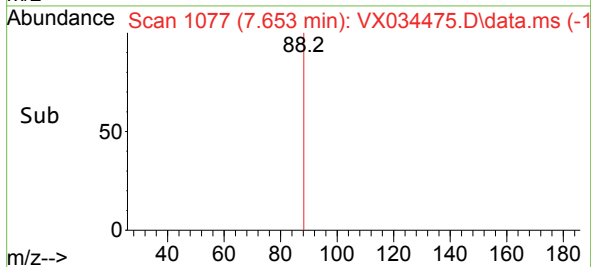
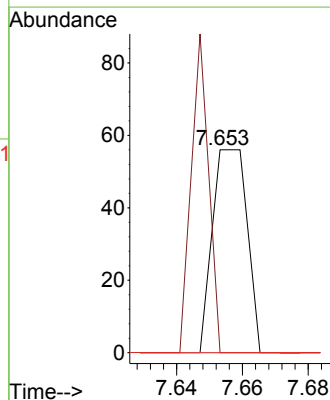
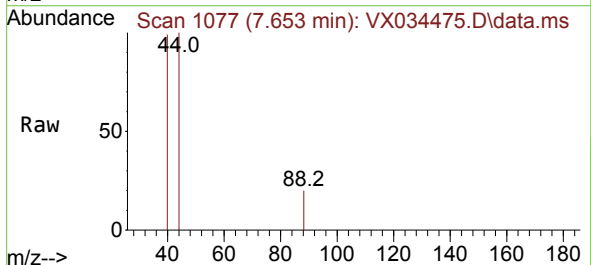
Instrument :
MSVOA_X
ClientSampleId :
33969

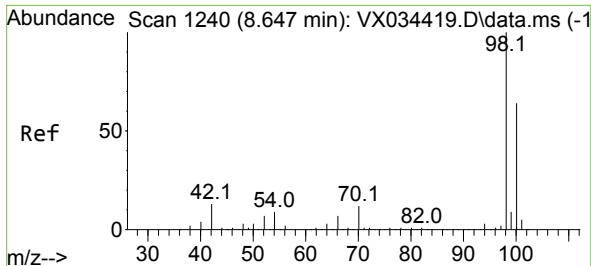
Tgt Ion:130 Resp: 794
Ion Ratio Lower Upper
130 100
95 71.7 0.0 198.4



#49
1,4-Dioxane
Concen: 0.484 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 78.0 27.7 41.5#
58 0.0 56.8 85.2#

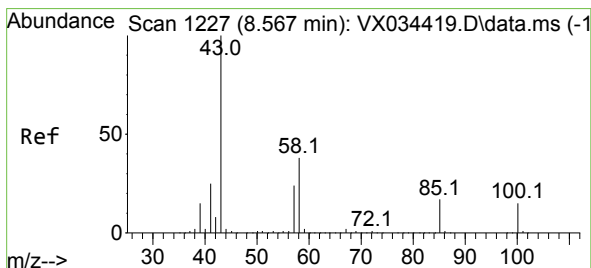
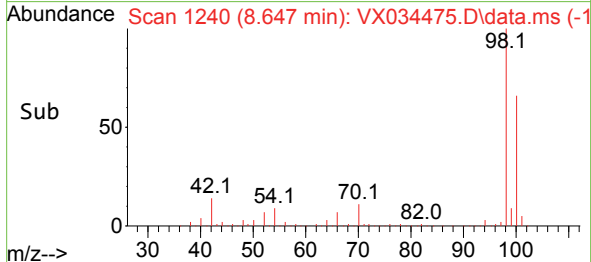
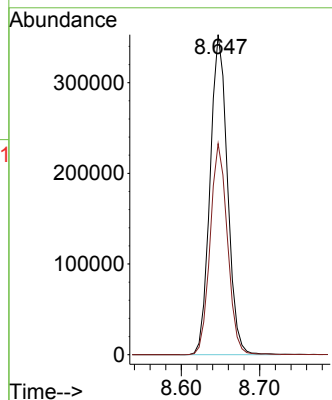
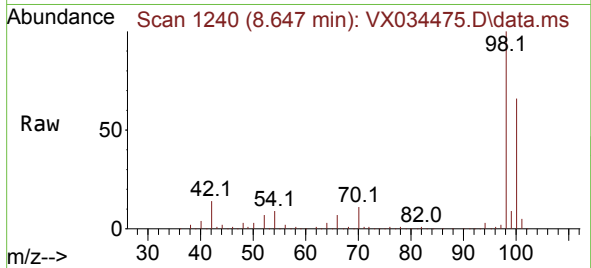




#50
Toluene-d8
Concen: 49.306 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

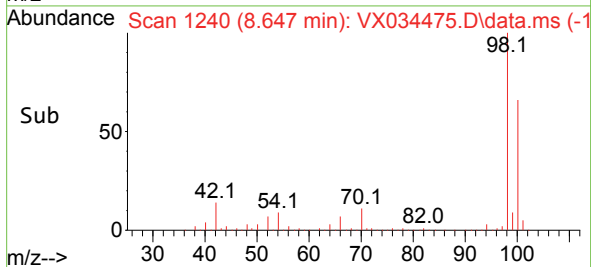
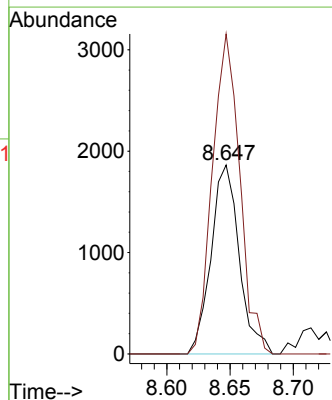
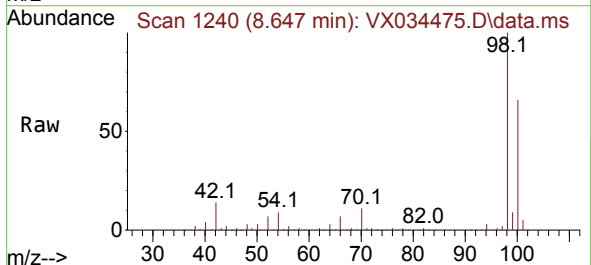
Instrument :
MSVOA_X
ClientSampleId :
33969

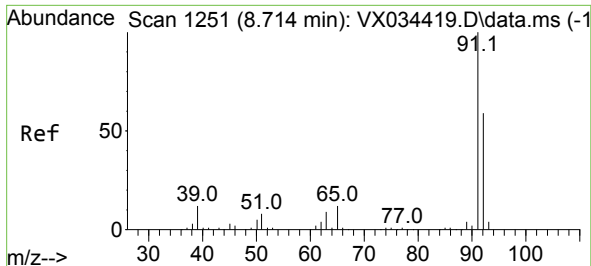
Tgt Ion: 98 Resp: 542692
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 164.2 30.6 46.0#

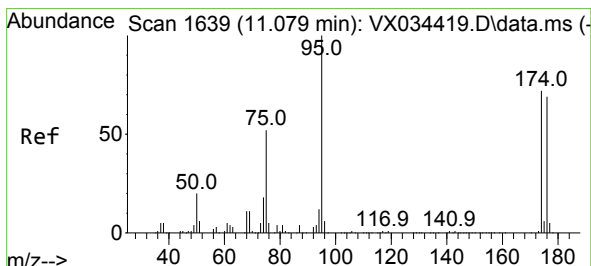
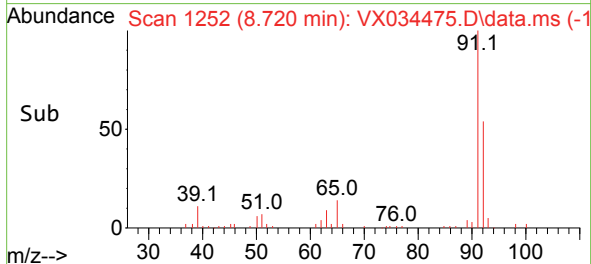
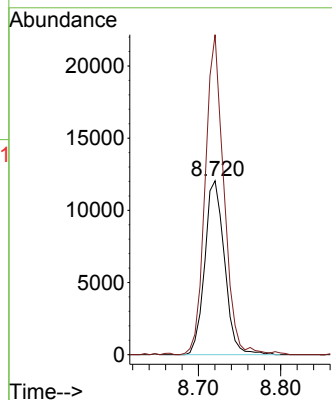
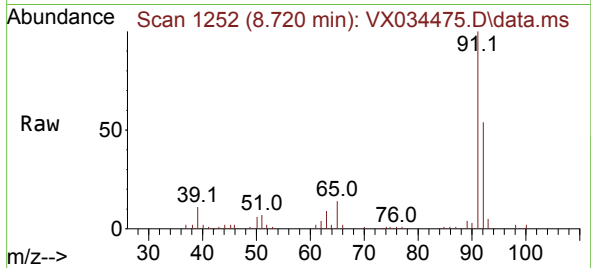




#52
Toluene
Concen: 2.452 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

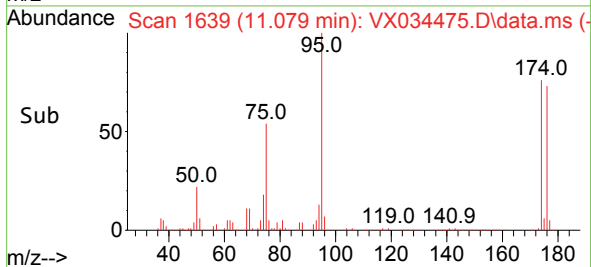
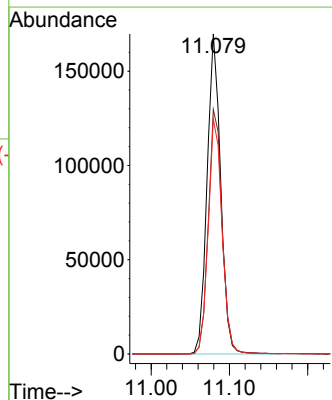
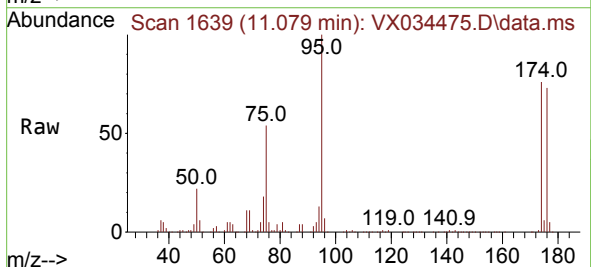
Instrument :
MSVOA_X
ClientSampleId :
33969

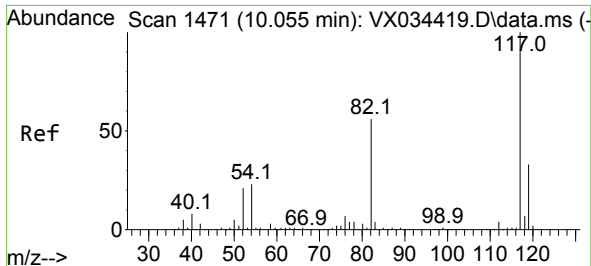
Tgt Ion: 92 Resp: 20111
Ion Ratio Lower Upper
92 100
91 173.9 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 45.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 95 Resp: 203283
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.4
176 75.0 0.0 140.6

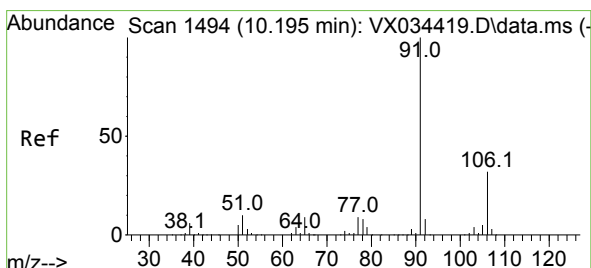
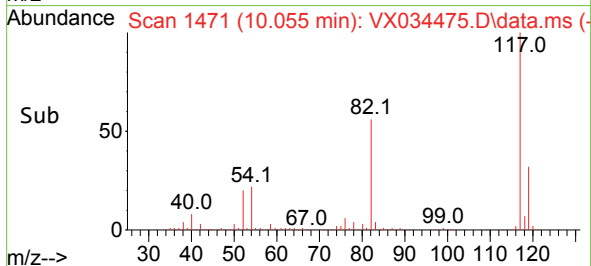
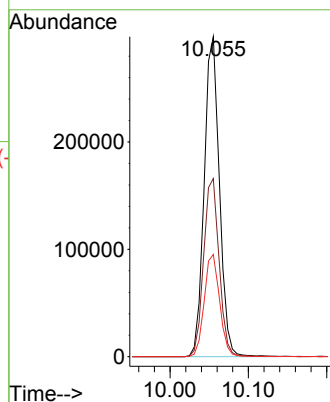
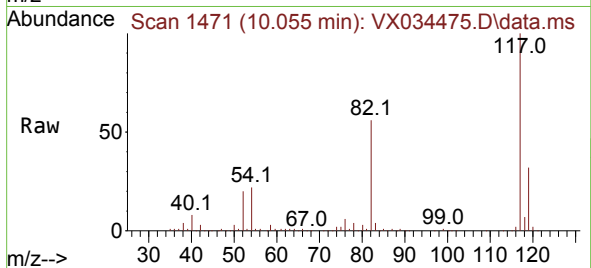




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

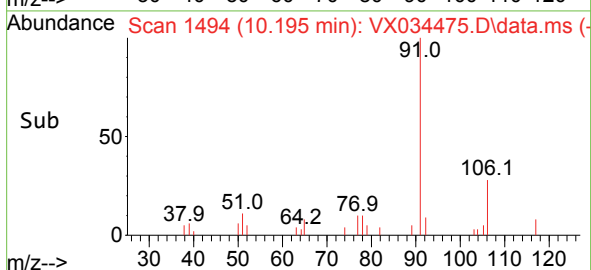
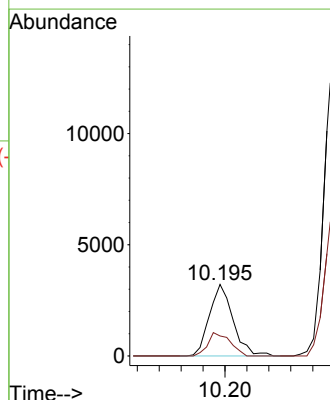
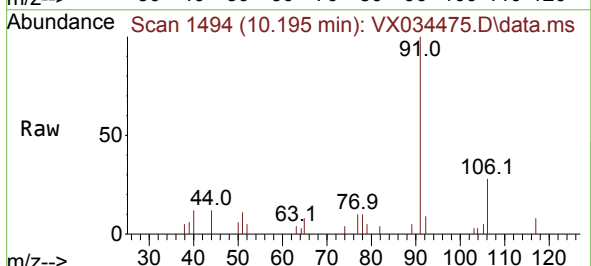
Instrument :
MSVOA_X
ClientSampleId :
33969

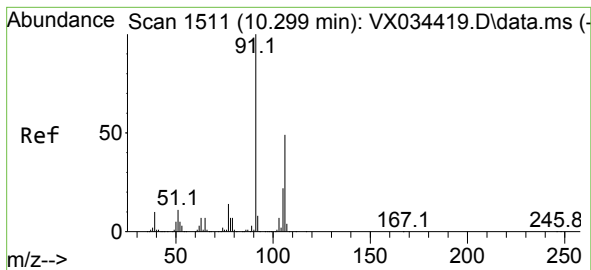
Tgt Ion:117 Resp: 401806
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 32.0 26.0 39.0



#67
Ethyl Benzene
Concen: 0.304 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion: 91 Resp: 4799
Ion Ratio Lower Upper
91 100
106 28.1 25.6 38.4

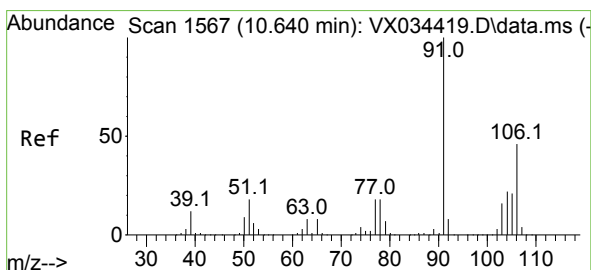
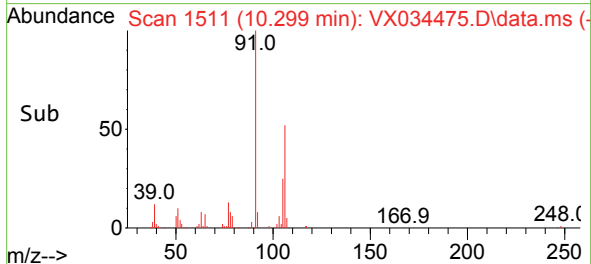
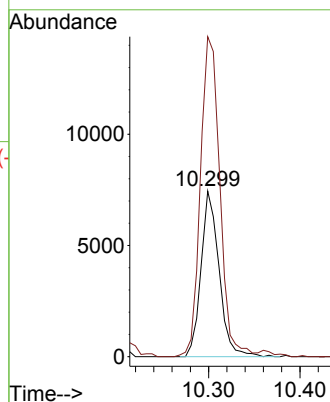
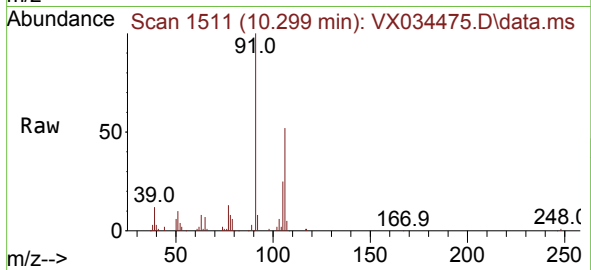




#68
m/p-Xylenes
Concen: 1.681 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

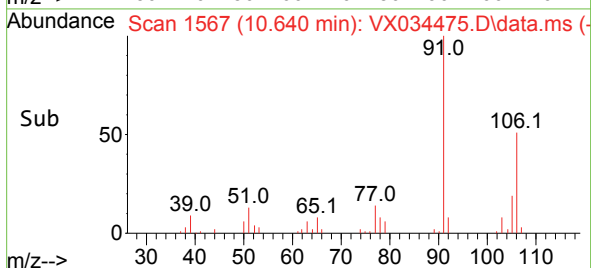
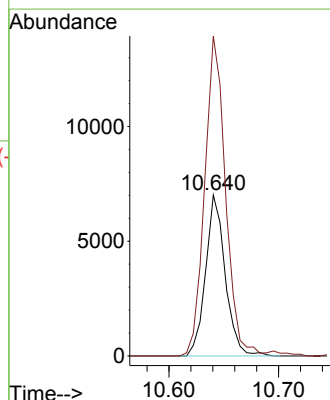
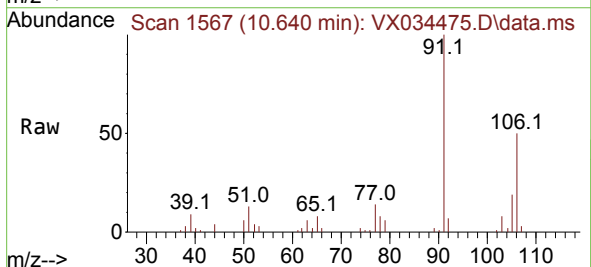
Instrument :
MSVOA_X
ClientSampleId :
33969

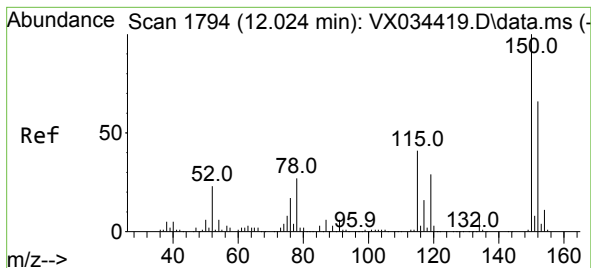
Tgt Ion:106 Resp: 10191
Ion Ratio Lower Upper
106 100
91 208.4 164.0 246.0



#69
o-Xylene
Concen: 1.437 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034475.D
Acq: 14 Mar 2023 19:15

Tgt Ion:106 Resp: 8740
Ion Ratio Lower Upper
106 100
91 210.8 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

33969

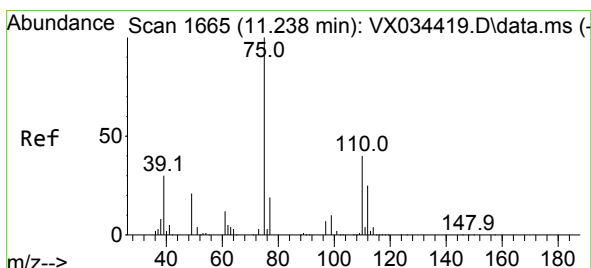
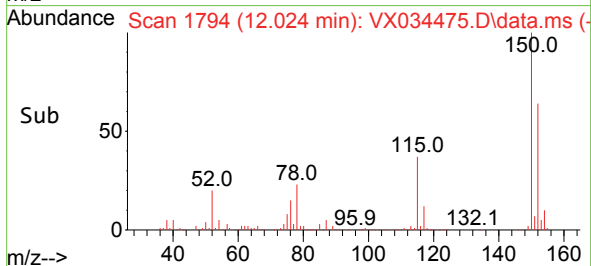
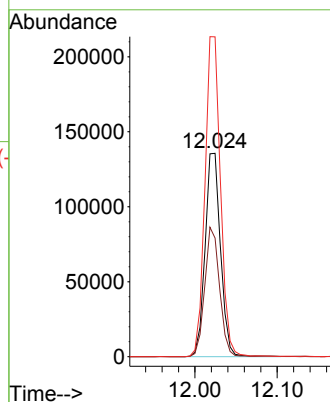
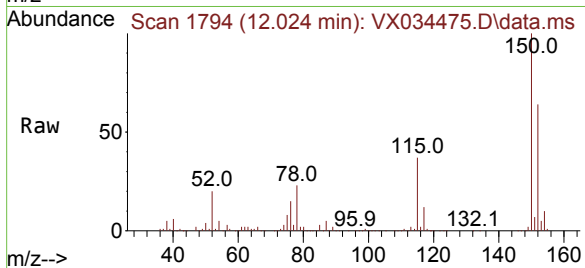
Tgt Ion:152 Resp: 176361

Ion Ratio Lower Upper

152 100

115 61.2 45.0 135.0

150 158.4 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 26.570 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034475.D

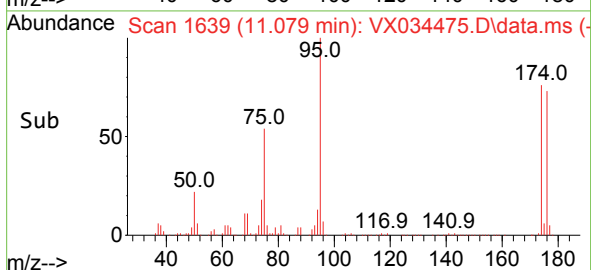
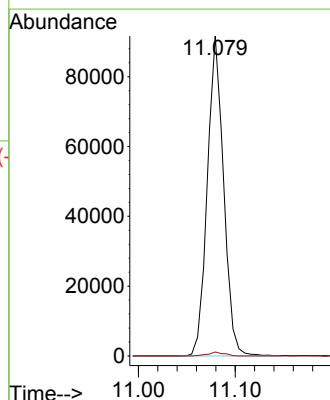
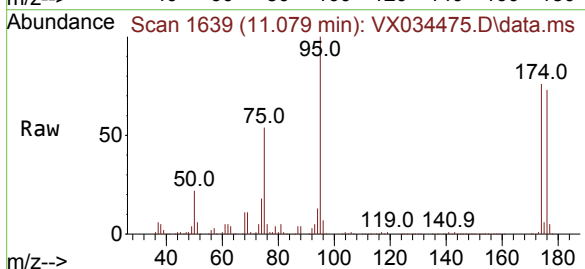
Acq: 14 Mar 2023 19:15

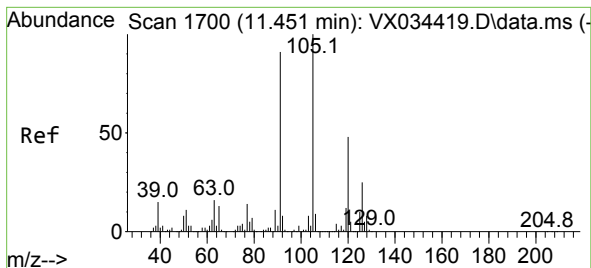
Tgt Ion: 75 Resp: 107594

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.380 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

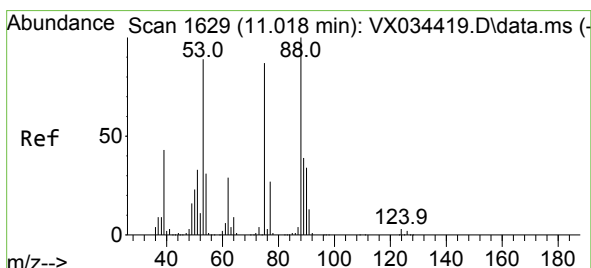
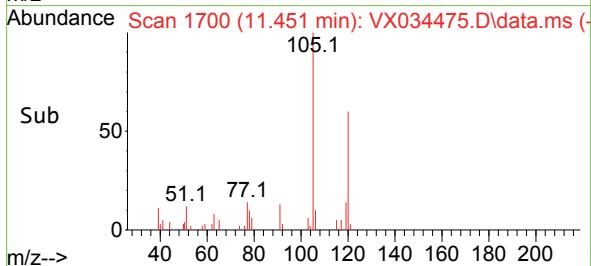
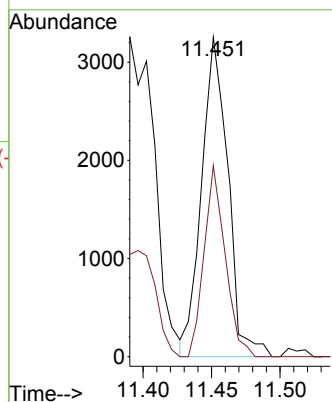
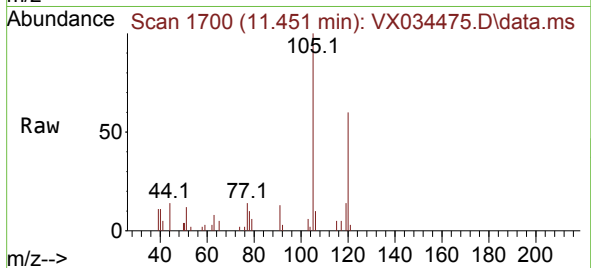
33969

Tgt Ion:105 Resp: 4348

Ion Ratio Lower Upper

105 100

120 48.1 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 71.880 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034475.D

Acq: 14 Mar 2023 19:15

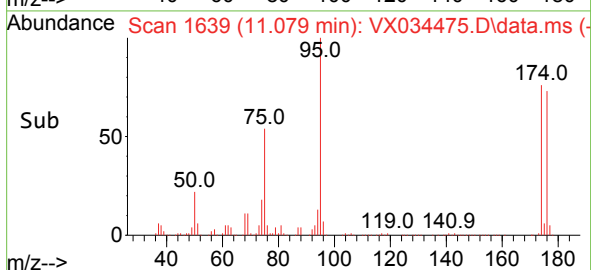
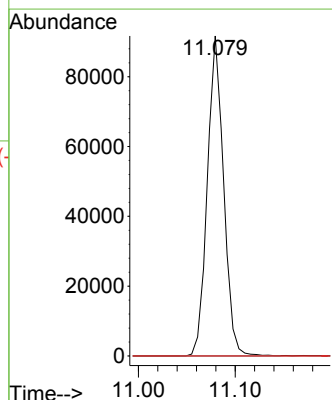
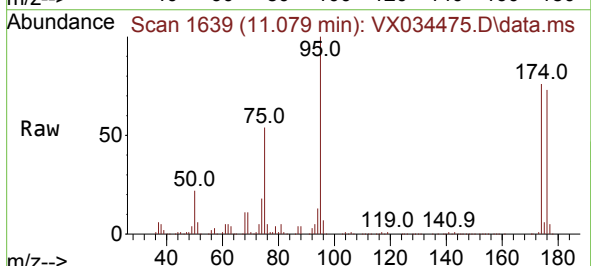
Tgt Ion: 75 Resp: 107594

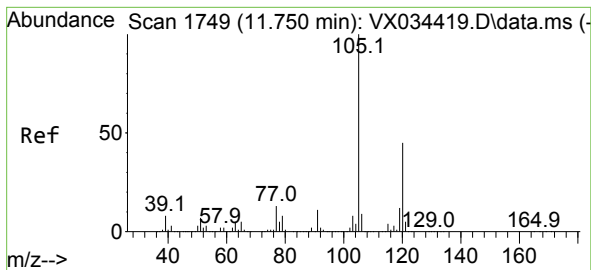
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.134 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034475.D

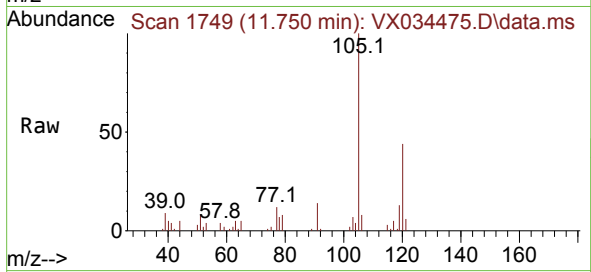
Acq: 14 Mar 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

33969



Tgt Ion:105 Resp: 13245

Ion Ratio Lower Upper

105 100

120 45.0 22.4 67.0

