

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034729.D
 Acq On : 24 Mar 2023 18:25
 Operator : JC/MD
 Sample : 02048-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 01:34:44 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)

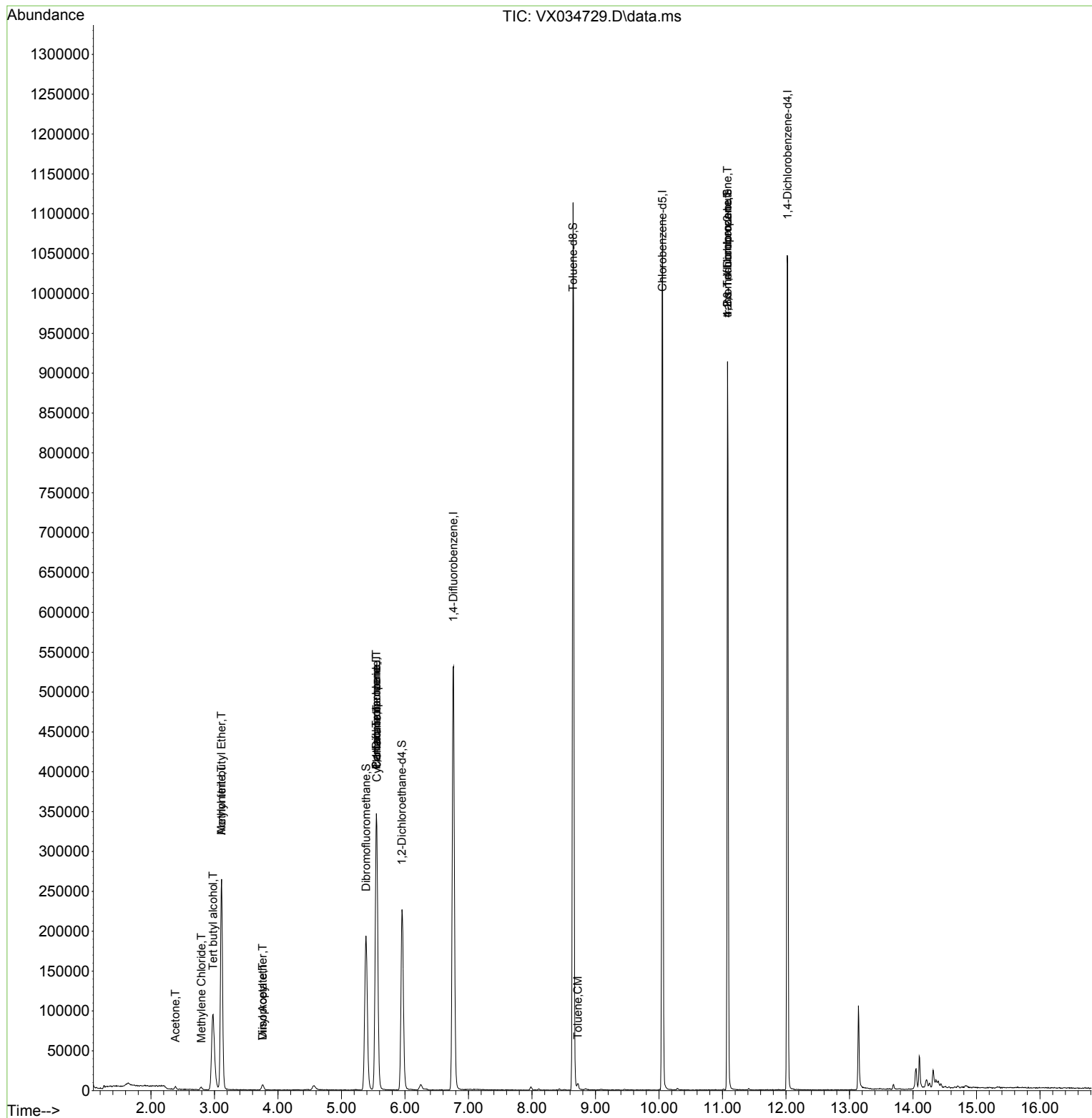
Internal Standards						
1) Pentafluorobenzene	5.550	168	311784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	531887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	478264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	230483	50.814	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.620%
35) Dibromofluoromethane	5.385	113	168951	48.110	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	8.647	98	635074	48.443	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.880%
62) 4-Bromofluorobenzene	11.079	95	245106	46.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.580%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	387	Below Cal		95
11) Tert butyl alcohol	2.977	59	167377	177.202	ug/l	98
15) Acrylonitrile	3.111	53	3158	1.548	ug/l #	30
16) Acetone	2.386	43	3982	1.864	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	287380	23.515	ug/l	98
20) Methylene Chloride	2.794	84	1618	0.390	ug/l	93
22) Diisopropyl ether	3.757	45	7013	0.532	ug/l #	75
23) Vinyl Acetate	3.757	43	3837	0.382	ug/l #	72
31) Cyclohexane	5.556	56	7741	1.217	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	27033	5.012	ug/l #	50
38) Carbon Tetrachloride	5.550	117	33814	6.302	ug/l #	15
52) Toluene	8.720	92	2623	0.269	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	130199	26.005	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	130199	70.351	ug/l #	8

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

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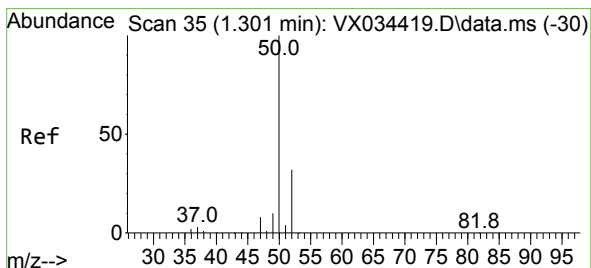
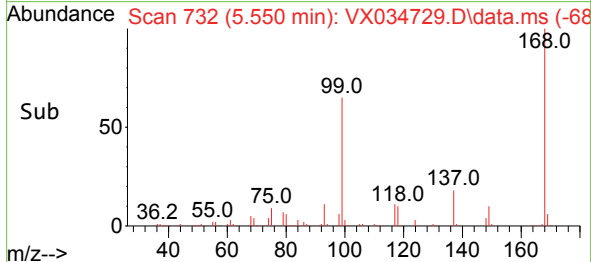
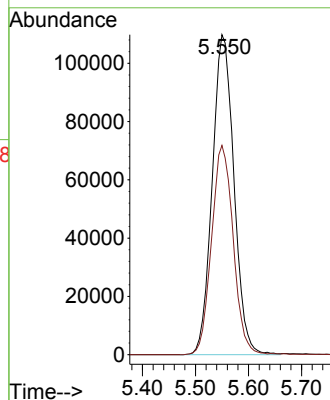
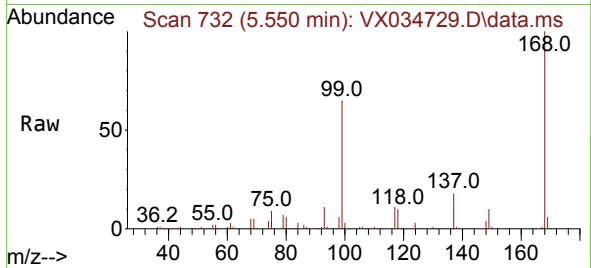




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

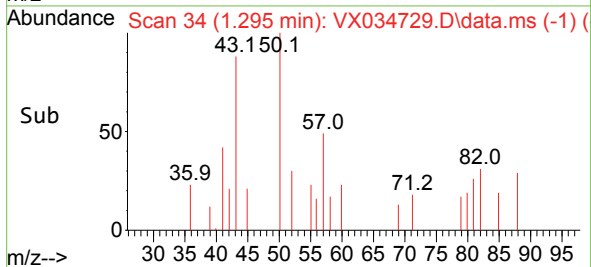
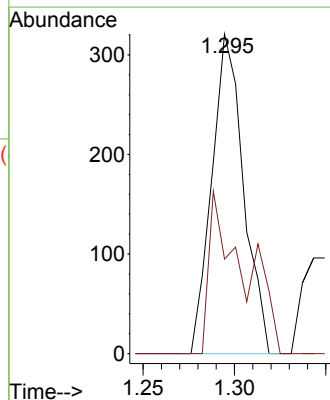
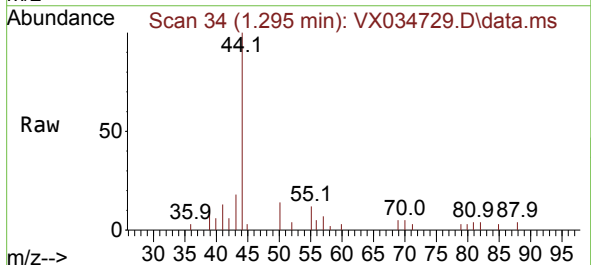
Instrument :
MSVOA_X
ClientSampleId :

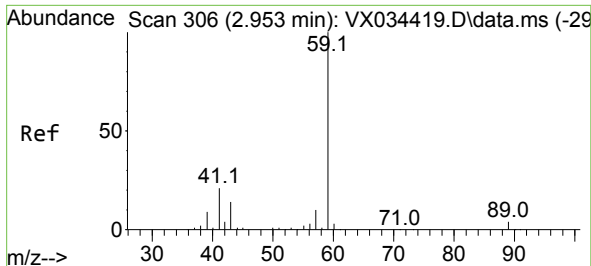
Tgt Ion:168 Resp: 311784
Ion Ratio Lower Upper
168 100
99 65.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 29.6 25.9 38.9





#11

Tert butyl alcohol

Concen: 177.202 ug/l

RT: 2.977 min Scan# 31

Delta R.T. 0.025 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Instrument :

MSVOA_X

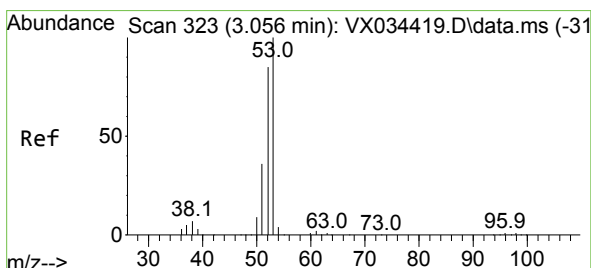
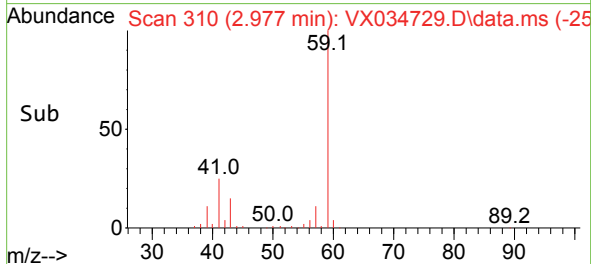
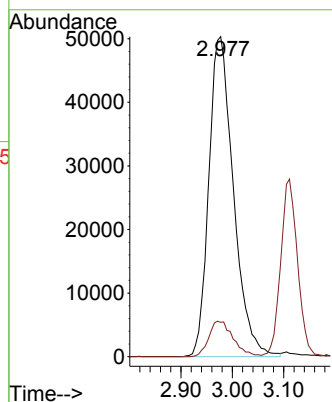
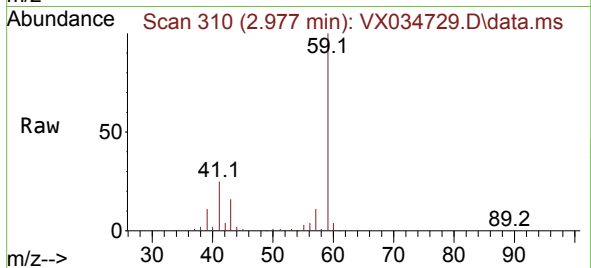
ClientSampleId :

Tgt Ion: 59 Resp: 167377

Ion Ratio Lower Upper

59 100

57 11.0 8.1 12.1



#15

Acrylonitrile

Concen: 1.548 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.055 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

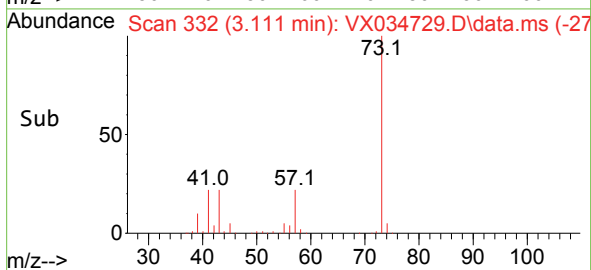
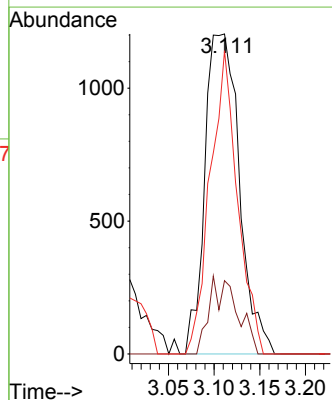
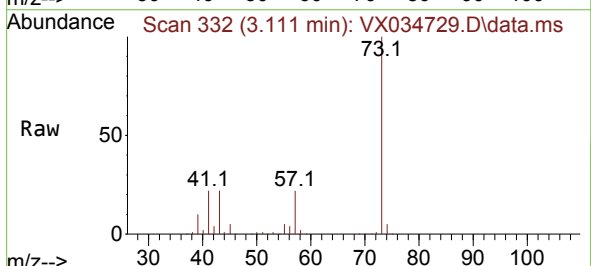
Tgt Ion: 53 Resp: 3158

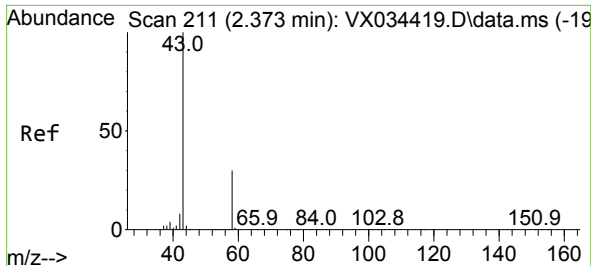
Ion Ratio Lower Upper

53 100

52 19.6 66.2 99.2#

51 75.4 28.3 42.5#

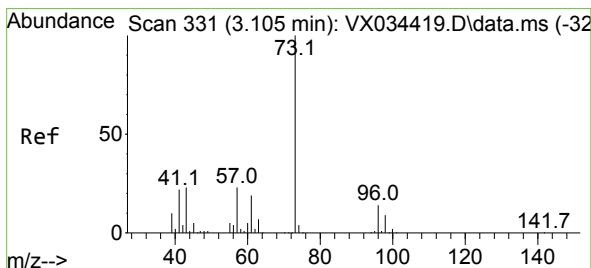
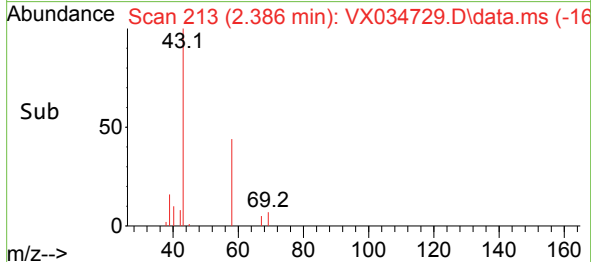
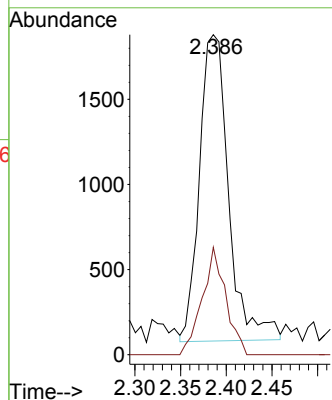
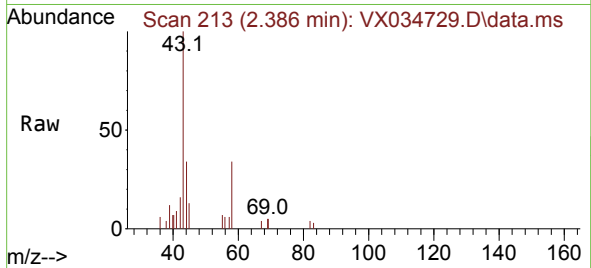




#16
Acetone
Concen: 1.864 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

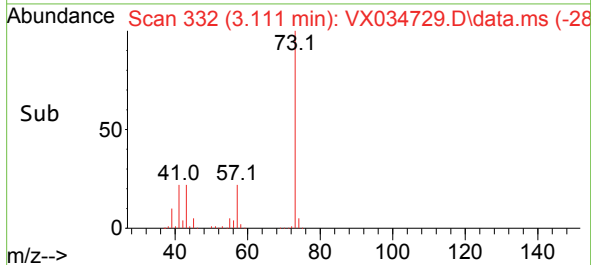
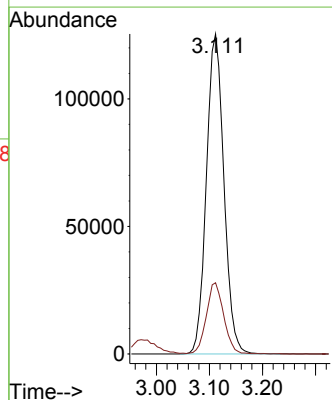
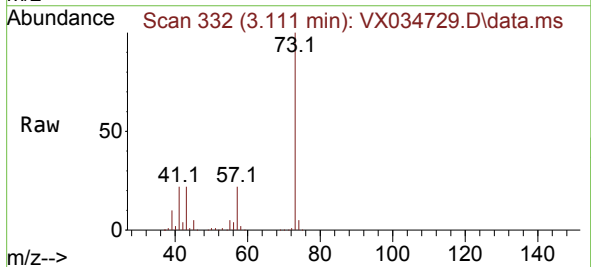
Instrument :
MSVOA_X
ClientSampleId :

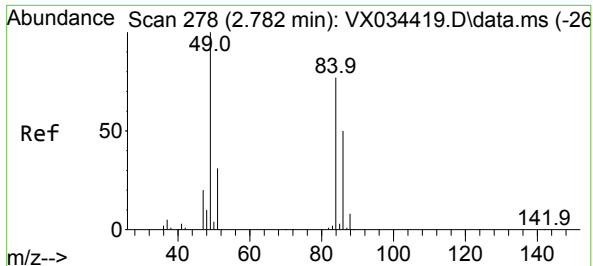
Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
58 35.7 24.7 37.1



#19
Methyl tert-butyl Ether
Concen: 23.515 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 73 Resp: 287380
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7





#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.012 min

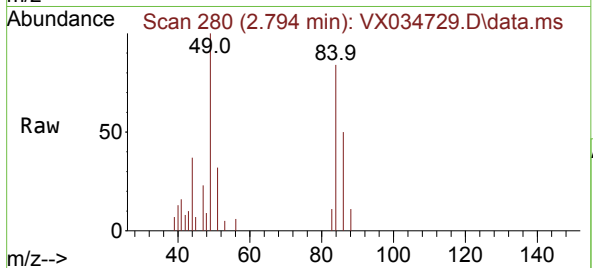
Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1618

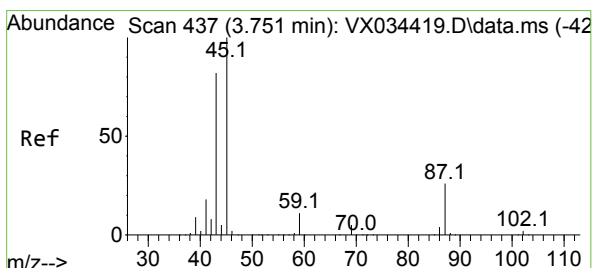
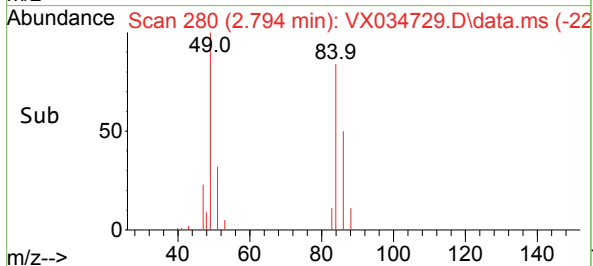
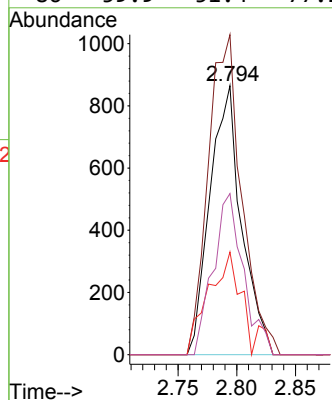
Ion Ratio Lower Upper

84 100

49 119.0 103.8 155.8

51 38.2 31.8 47.8

86 59.9 51.4 77.2



#22

Diisopropyl ether

Concen: 0.532 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.006 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Tgt Ion: 45 Resp: 7013

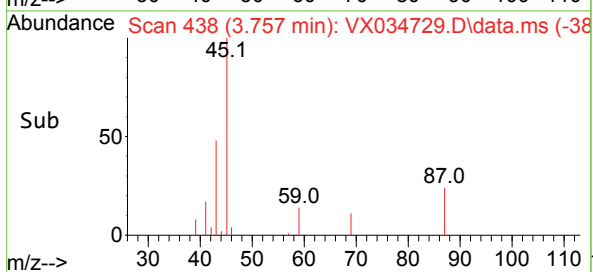
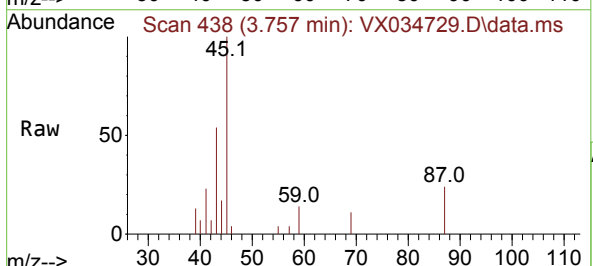
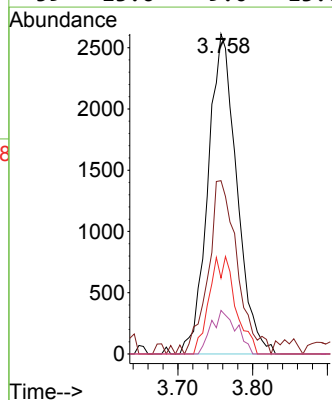
Ion Ratio Lower Upper

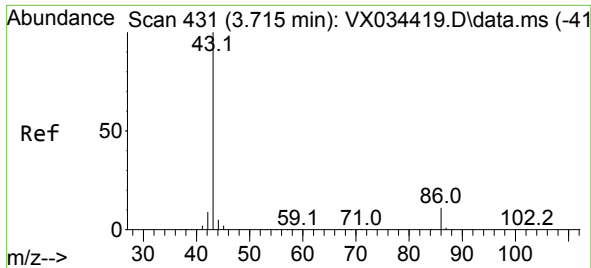
45 100

43 51.3 65.4 98.2#

87 23.7 20.6 31.0

59 13.6 9.0 13.6#

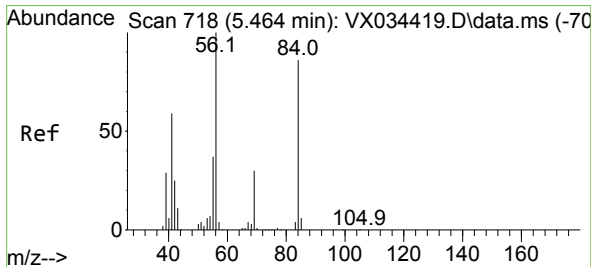
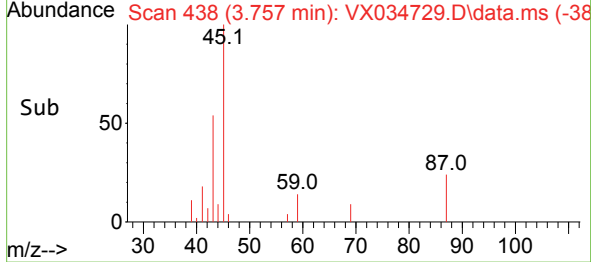
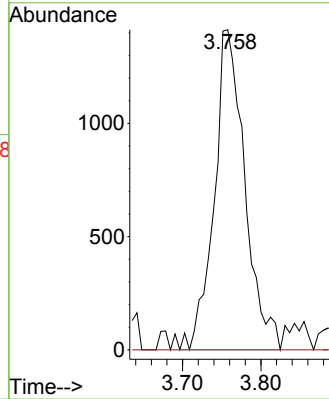
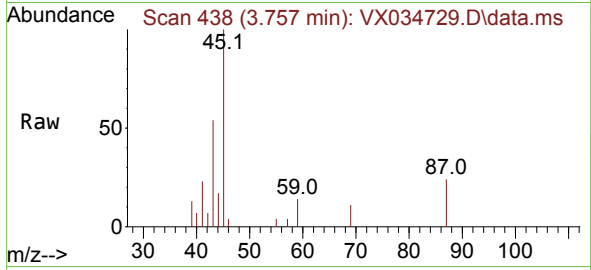




#23
 Vinyl Acetate
 Concen: 0.382 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX034729.D
 Acq: 24 Mar 2023 18:25

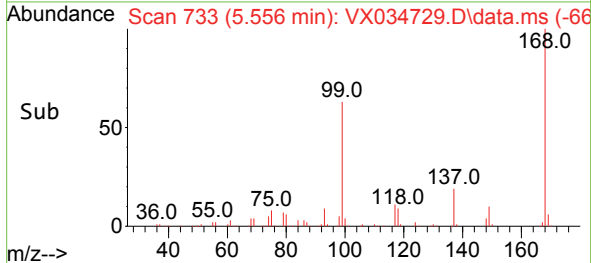
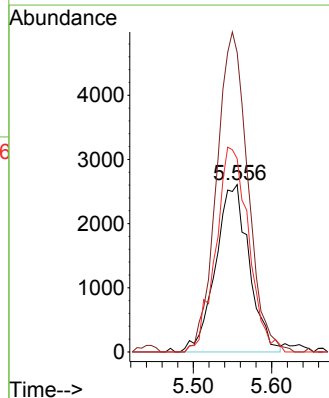
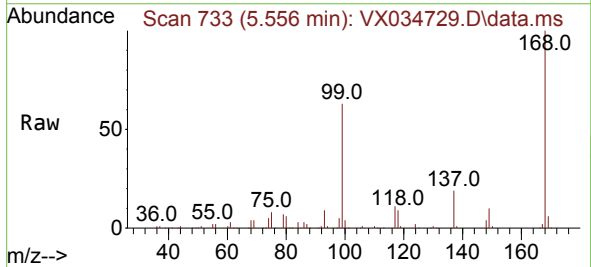
Instrument :
 MSVOA_X
 ClientSampleId :

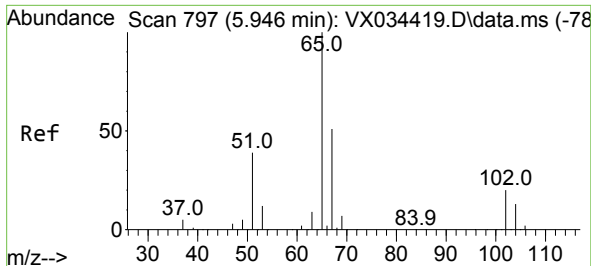
Tgt Ion: 43 Resp: 3837
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#31
 Cyclohexane
 Concen: 1.217 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.092 min
 Lab File: VX034729.D
 Acq: 24 Mar 2023 18:25

Tgt Ion: 56 Resp: 7741
 Ion Ratio Lower Upper
 56 100
 69 179.0 23.7 35.5#
 84 115.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 50.814 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Instrument :

MSVOA_X

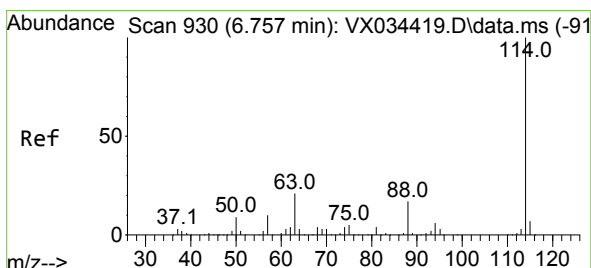
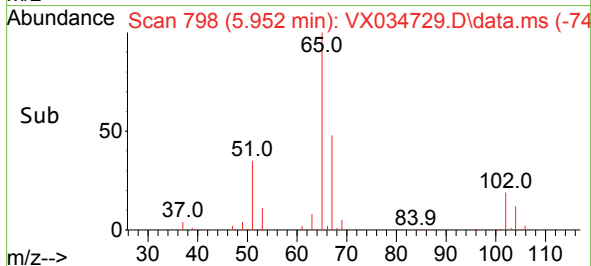
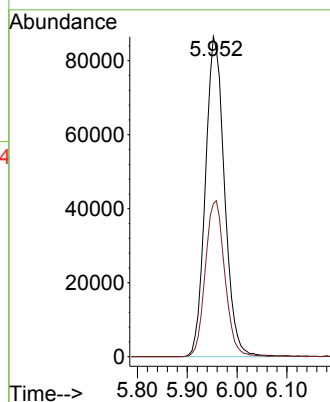
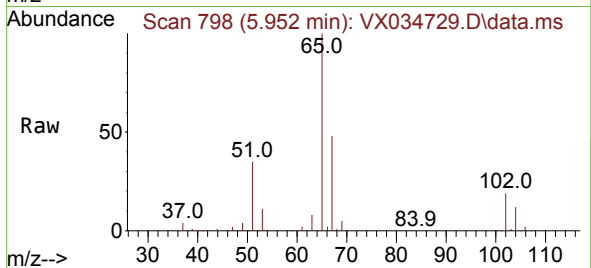
ClientSampleId :

Tgt Ion: 65 Resp: 230483

Ion Ratio Lower Upper

65 100

67 49.6 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: VX034729.D

Acq: 24 Mar 2023 18:25

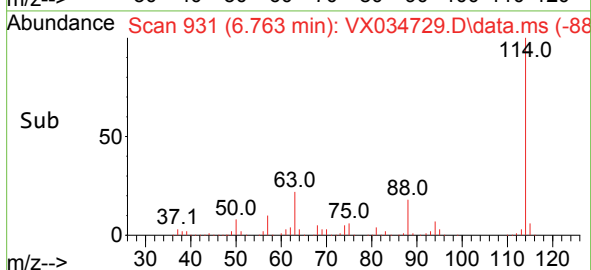
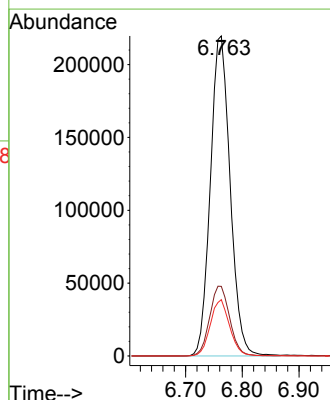
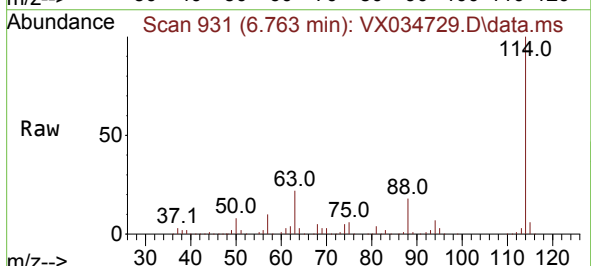
Tgt Ion:114 Resp: 531887

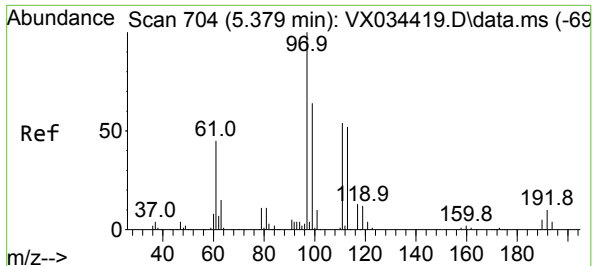
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.110 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

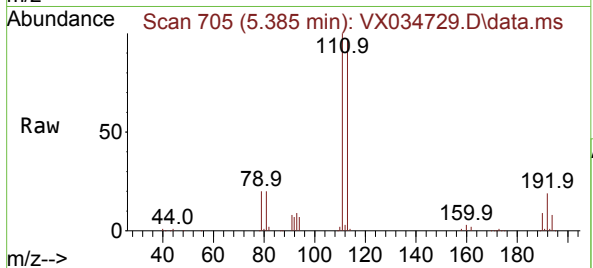
Lab File: VX034729.D

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ClientSampleId :



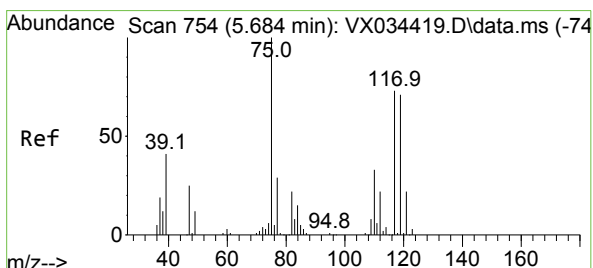
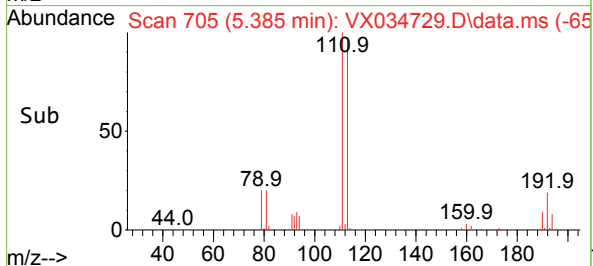
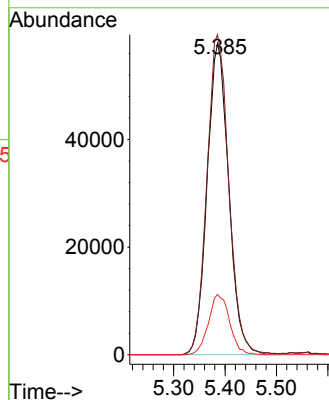
Tgt Ion:113 Resp: 168951

Ion Ratio Lower Upper

113 100

111 104.1 83.7 125.5

192 19.0 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

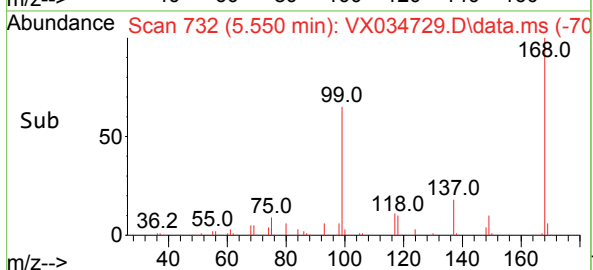
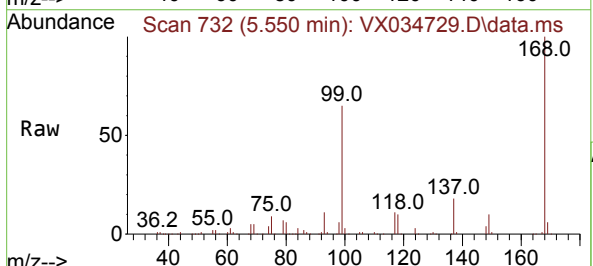
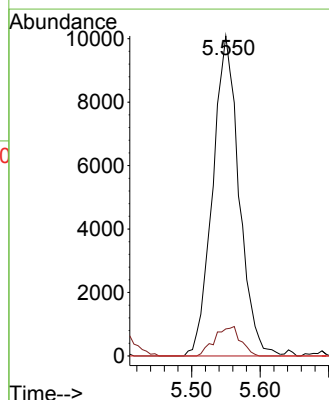
Tgt Ion: 75 Resp: 27033

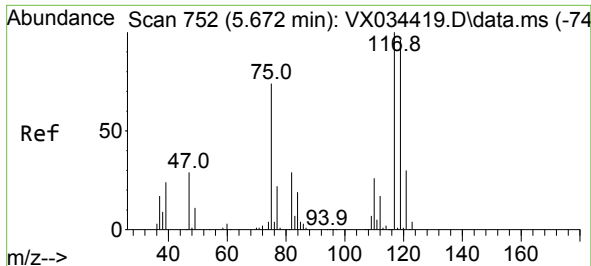
Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.5#

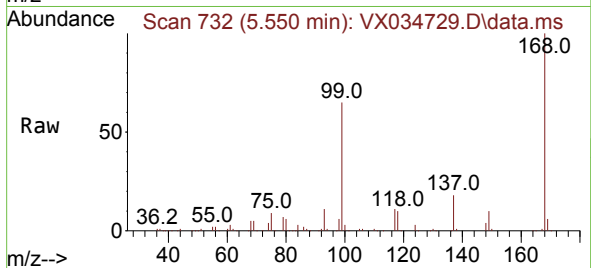
77 0.0 24.3 36.5#



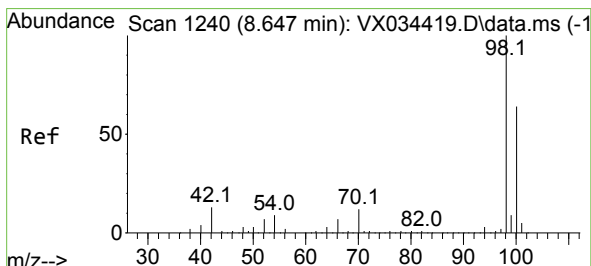
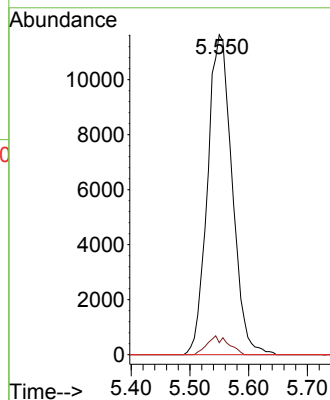
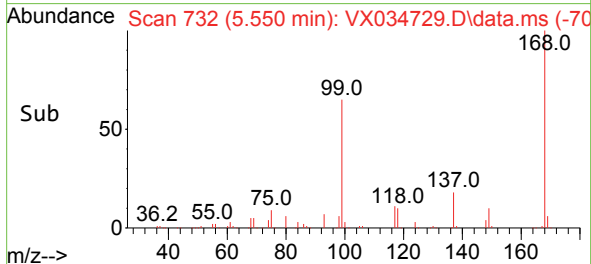


#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :

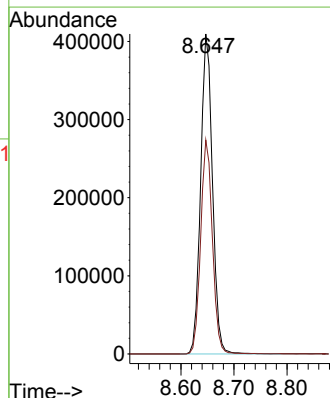
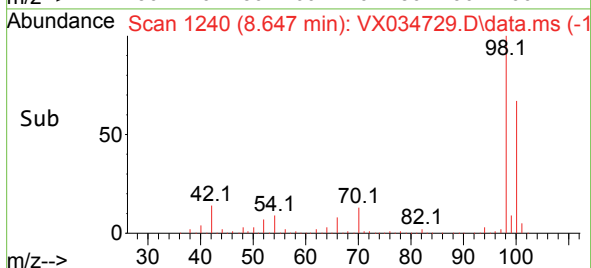
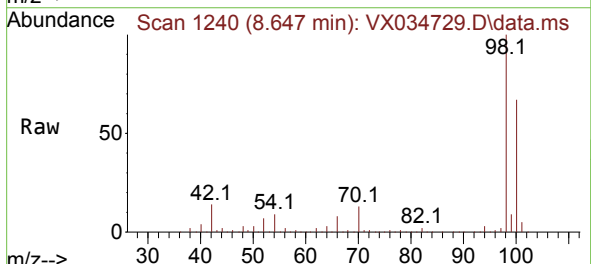


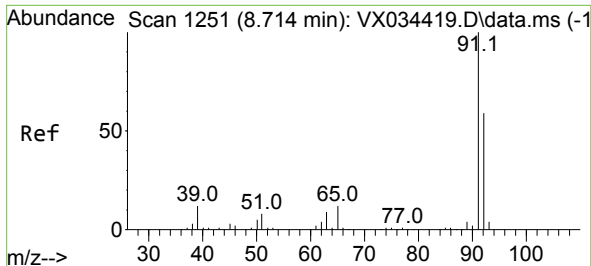
Tgt Ion:117 Resp: 33814
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.443 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 98 Resp: 635074
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7

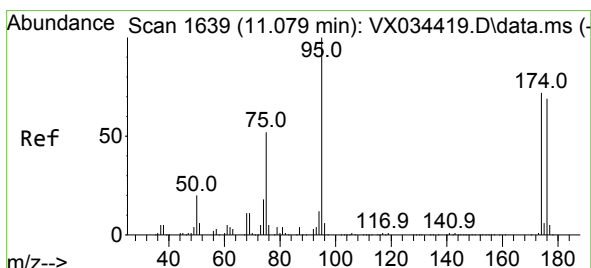
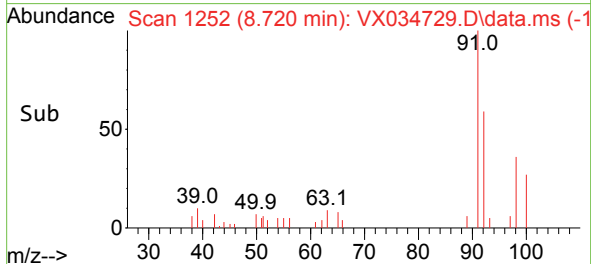
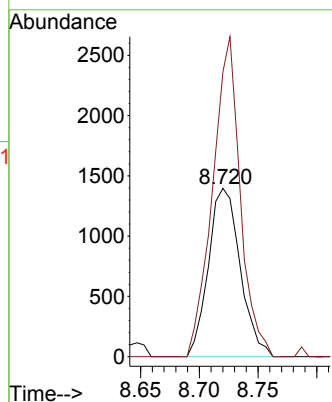
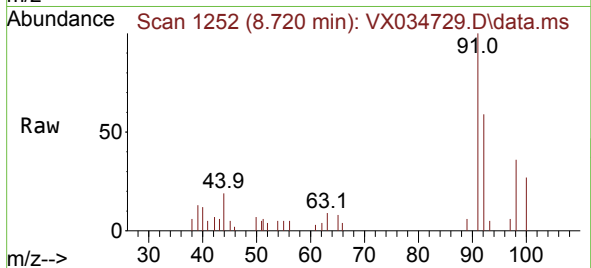




#52
Toluene
Concen: 0.269 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

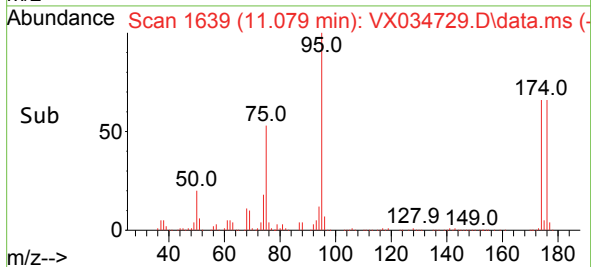
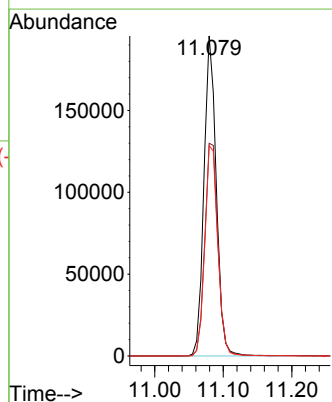
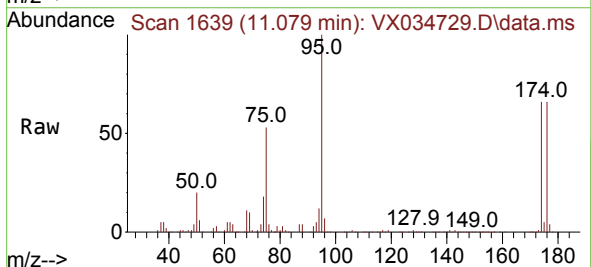
Instrument :
MSVOA_X
ClientSampleId :

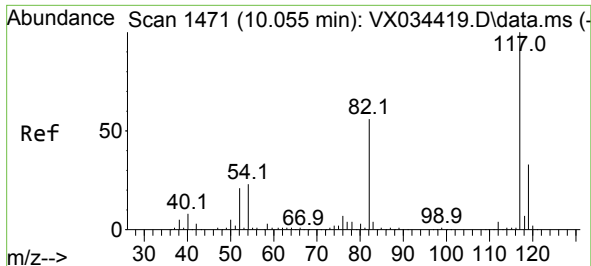
Tgt Ion: 92 Resp: 2623
Ion Ratio Lower Upper
92 100
91 165.8 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 95 Resp: 245106
Ion Ratio Lower Upper
95 100
174 71.1 0.0 147.4
176 69.1 0.0 140.6

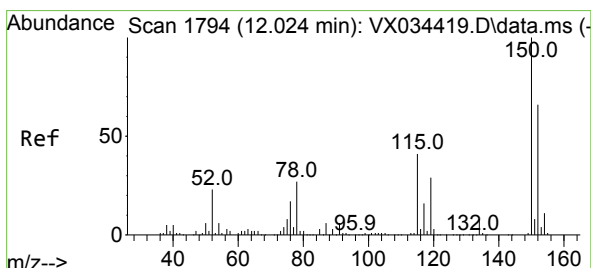
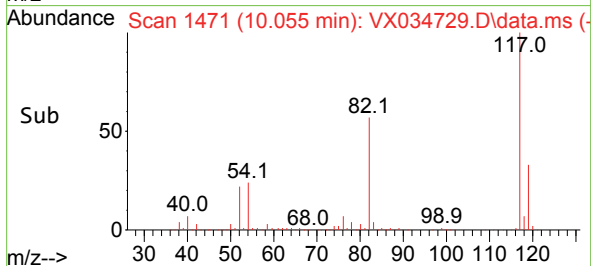
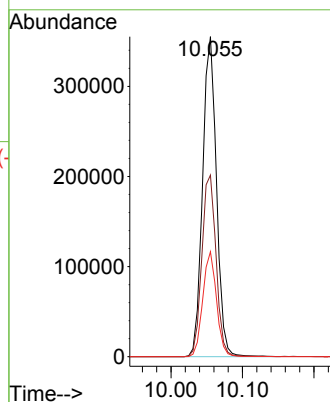
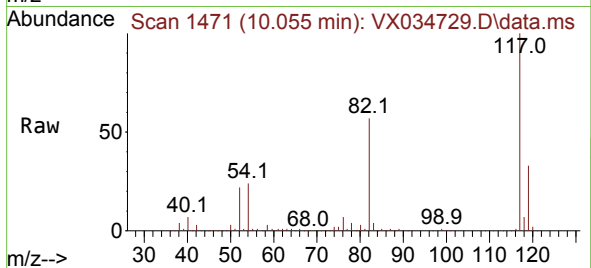




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

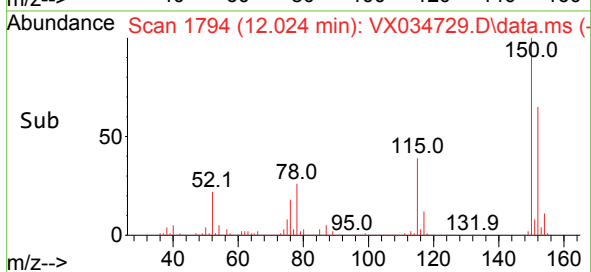
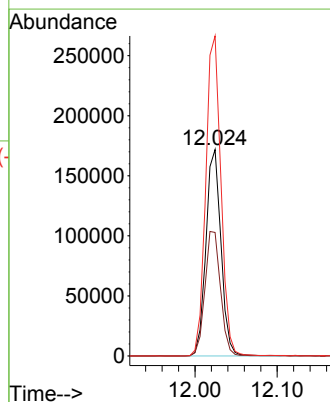
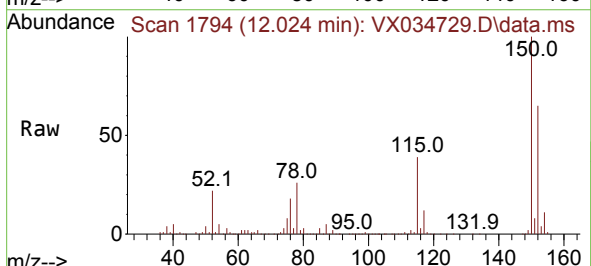
Instrument :
MSVOA_X
ClientSampleId :

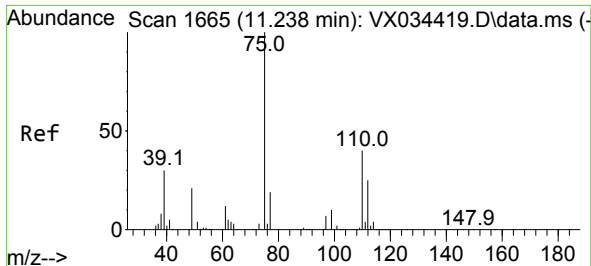
Tgt Ion:117 Resp: 478264
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion:152 Resp: 218052
Ion Ratio Lower Upper
152 100
115 62.7 45.0 135.0
150 156.9 0.0 352.4

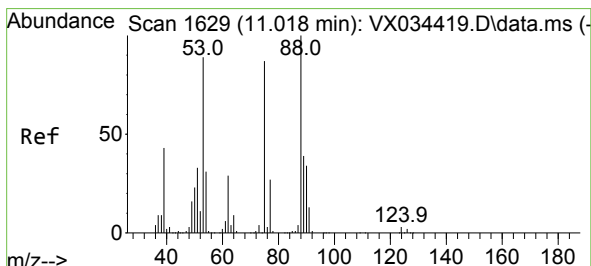
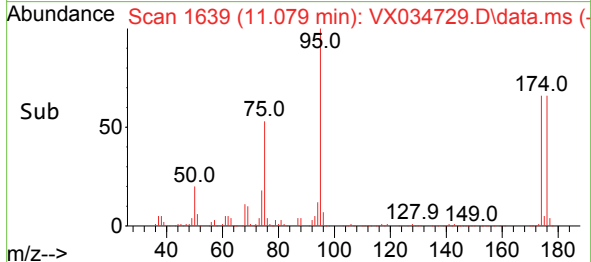
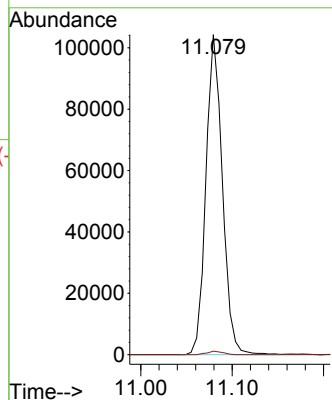
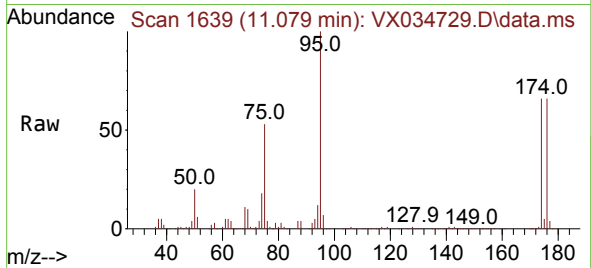




#76
1,2,3-Trichloropropane
Concen: 26.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 130199
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 75 Resp: 130199
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

