

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070622\
 Data File : VX029946.D
 Acq On : 06 Jul 2022 16:14
 Operator : JC/MD
 Sample : N3599-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MID0722

Quant Time: Jul 07 02:38:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

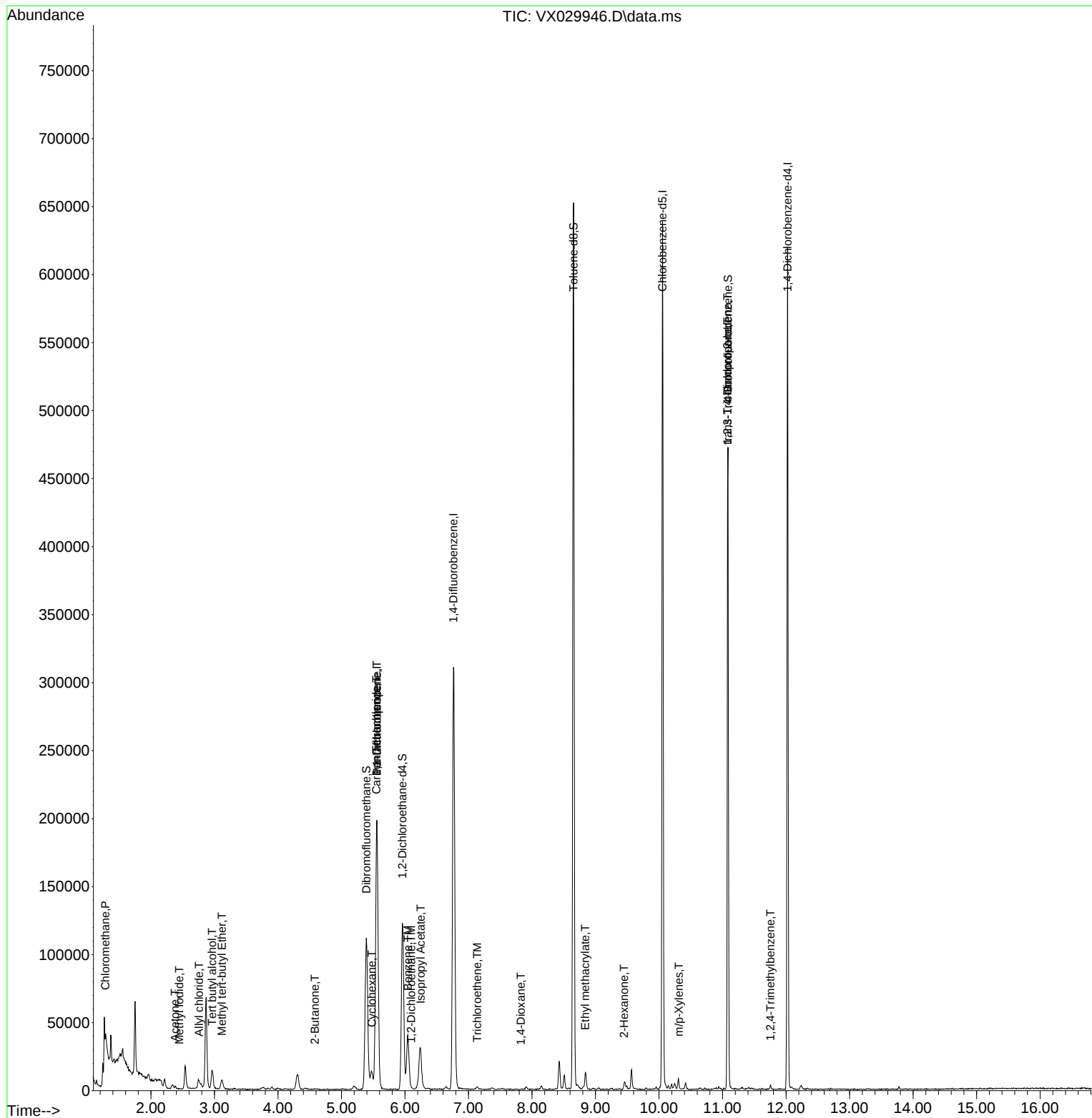
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	196822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	339656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109423	43.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.840%
35) Dibromofluoromethane	5.391	113	99938	47.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.653	98	388636	48.804	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.600%
62) 4-Bromofluorobenzene	11.085	95	131158	46.595	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	981	0.444	ug/l #	42
10) Methyl Iodide	2.447	142	281	1.973	ug/l #	66
11) Tert butyl alcohol	2.965	59	16182	24.835	ug/l	98
13) Acrolein	2.215	56	148	Below Cal	#	1
14) Allyl chloride	2.758	41	1319	0.353	ug/l #	76
16) Acetone	2.380	43	1758	1.442	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	6922	1.011	ug/l #	71
25) 2-Butanone	4.580	43	692	0.327	ug/l #	48
31) Cyclohexane	5.477	56	8385	2.414	ug/l #	84
36) 1,1-Dichloropropene	5.556	75	14433	5.112	ug/l #	43
38) Carbon Tetrachloride	5.550	117	18386	7.516	ug/l #	17
40) Benzene	6.044	78	48715	5.336	ug/l	91
42) 1,2-Dichloroethane	6.098	62	923	0.329	ug/l #	73
43) Isopropyl Acetate	6.245	43	8424	1.449	ug/l #	61
44) Trichloroethene	7.135	130	862	0.351	ug/l	96
49) 1,4-Dioxane	7.824	88	20	0.306	ug/l #	1
56) Ethyl methacrylate	8.836	69	1555	0.411	ug/l #	66
59) 2-Hexanone	9.452	43	703	0.236	ug/l	70
68) m/p-Xylenes	10.311	106	1759	0.444	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	60505	19.740	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60505	62.689	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1559	0.202	ug/l	91

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

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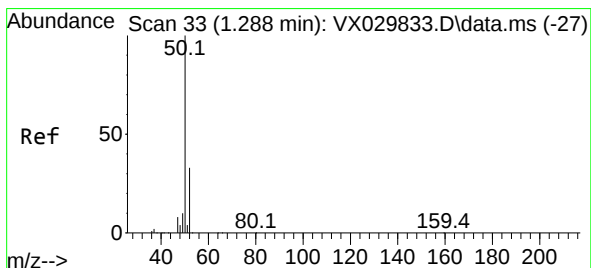
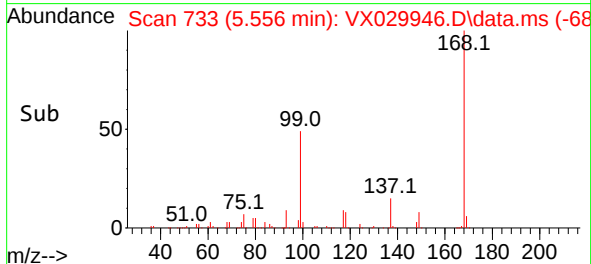
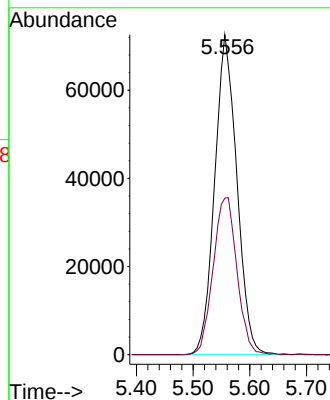
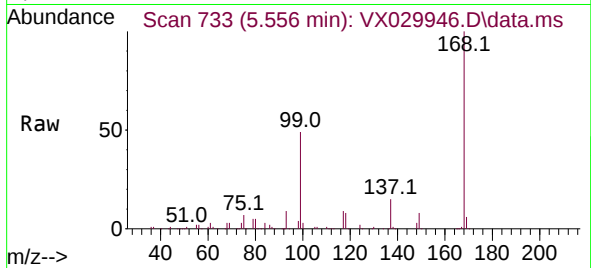




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

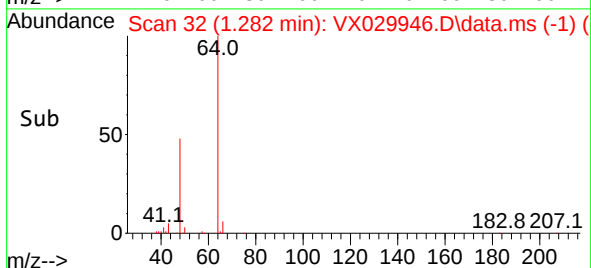
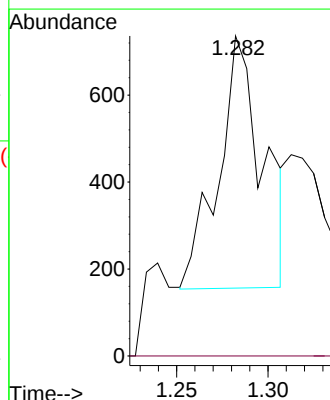
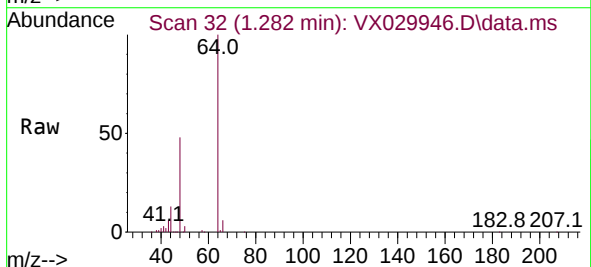
Instrument :
MSVOA_X
ClientSampleId :
MID0722

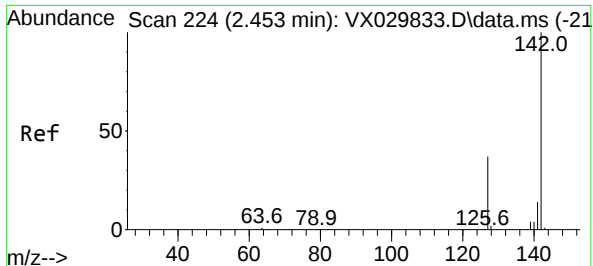
Tgt Ion:168 Resp: 196822
Ion Ratio Lower Upper
168 100
99 48.9 44.0 66.0



#3
Chloromethane
Concen: 0.444 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

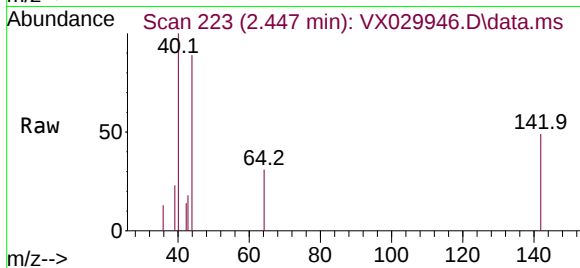
Tgt Ion: 50 Resp: 981
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



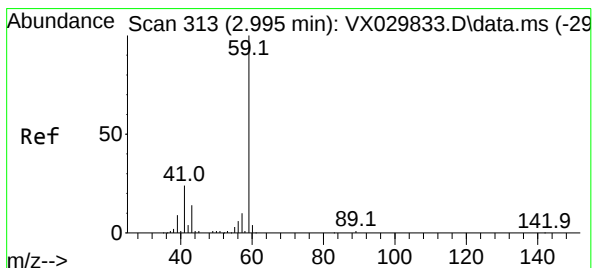
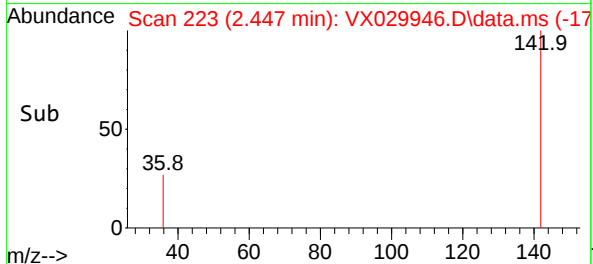
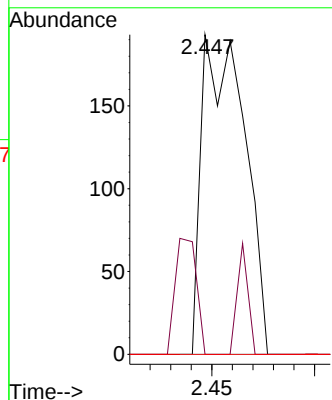


#10
Methyl Iodide
Concen: 1.973 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Instrument :
MSVOA_X
ClientSampleId :
MID0722

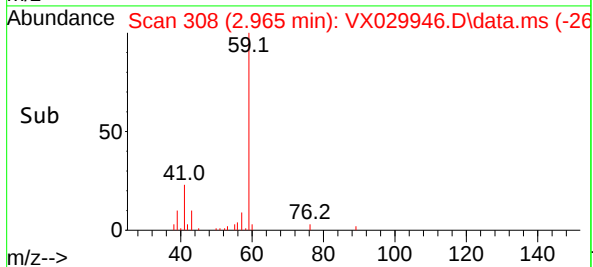
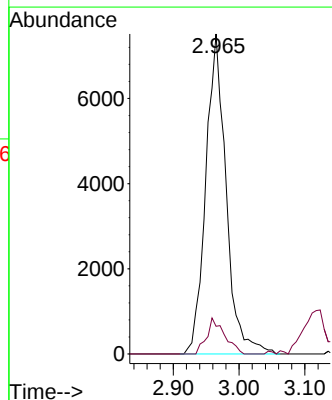
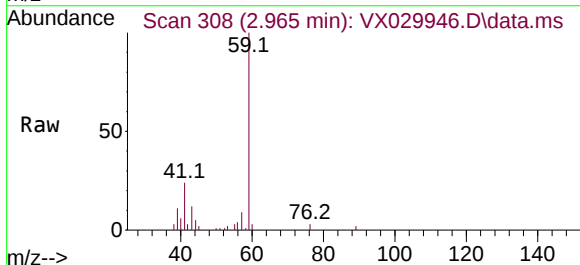


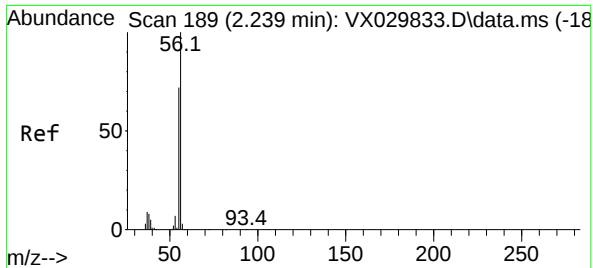
Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 17.8 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 24.835 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion: 59 Resp: 16182
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2

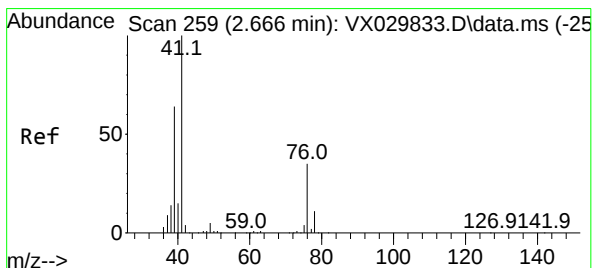
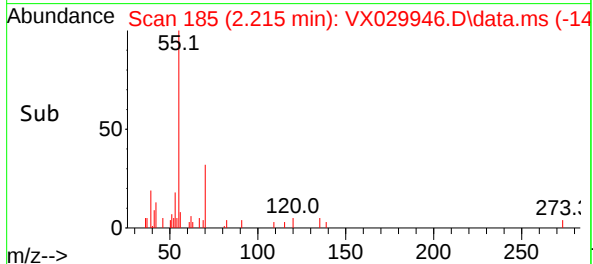
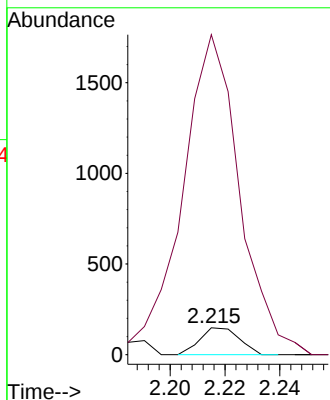
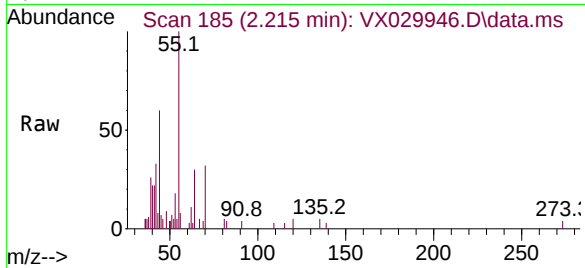




#13
Acrolein
Concen: Below Cal
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

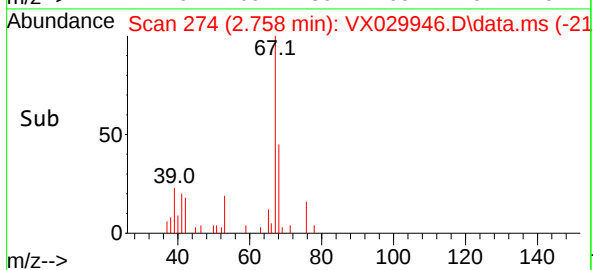
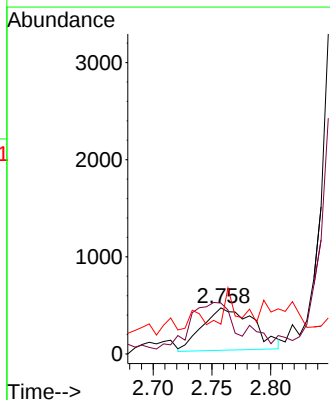
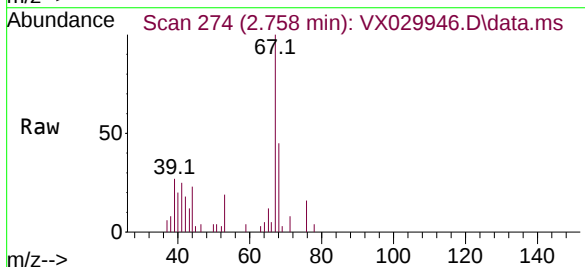
Instrument :
MSVOA_X
ClientSampleId :
MID0722

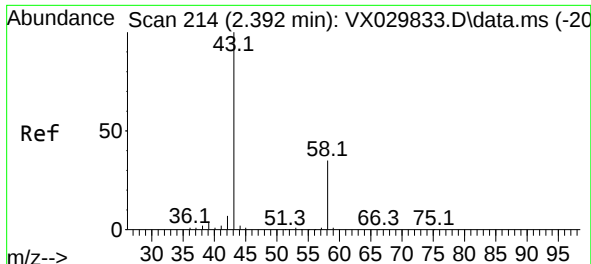
Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 1742.6 56.6 84.8#



#14
Allyl chloride
Concen: 0.353 ug/l
RT: 2.758 min Scan# 274
Delta R.T. 0.091 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion: 41 Resp: 1319
Ion Ratio Lower Upper
41 100
39 88.9 48.9 73.3#
76 32.7 26.9 40.3

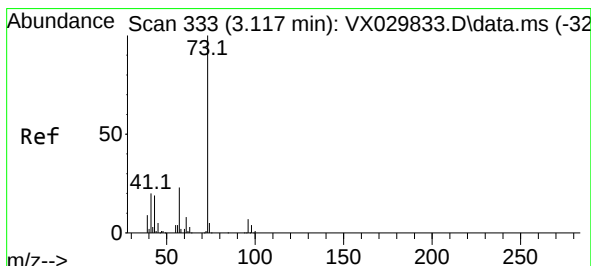
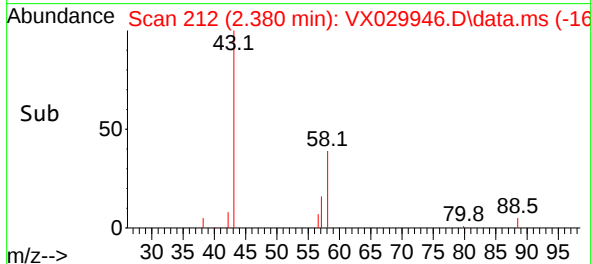
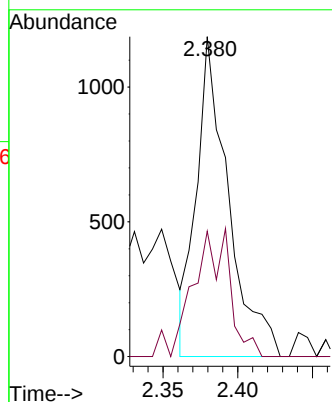
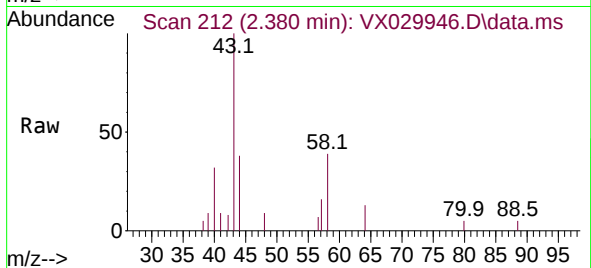




#16
Acetone
Concen: 1.442 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

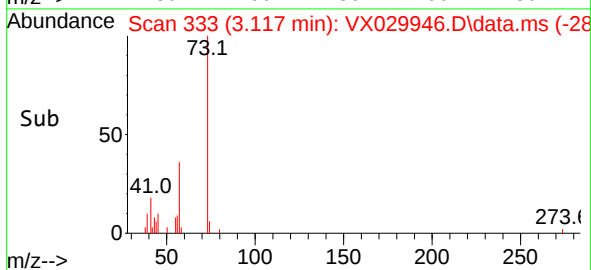
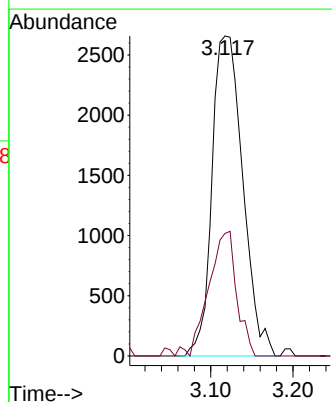
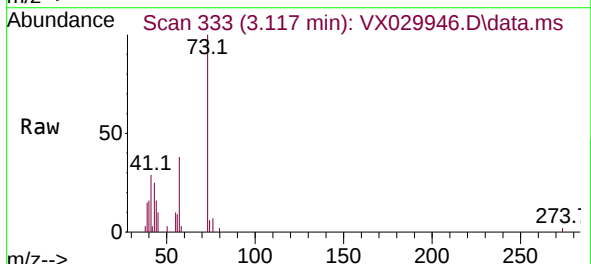
Instrument :
MSVOA_X
ClientSampleId :
MID0722

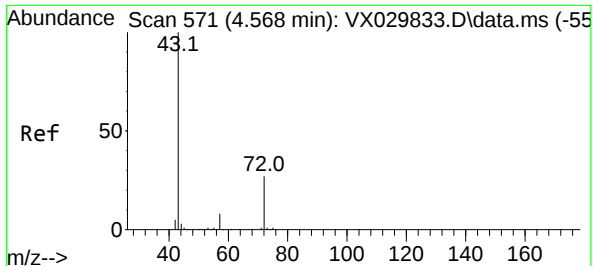
Tgt Ion: 43 Resp: 1758
Ion Ratio Lower Upper
43 100
58 39.2 27.7 41.5



#19
Methyl tert-butyl Ether
Concen: 1.011 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion: 73 Resp: 6922
Ion Ratio Lower Upper
73 100
57 38.3 19.0 28.6#





#25

2-Butanone

Concen: 0.327 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

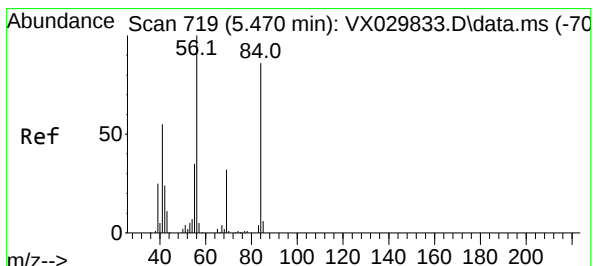
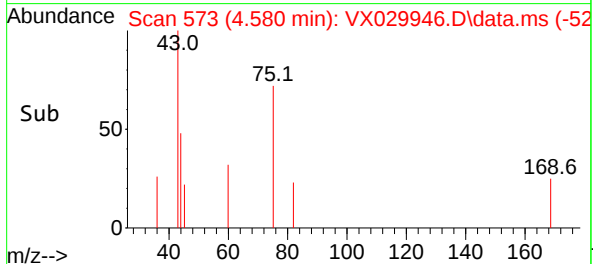
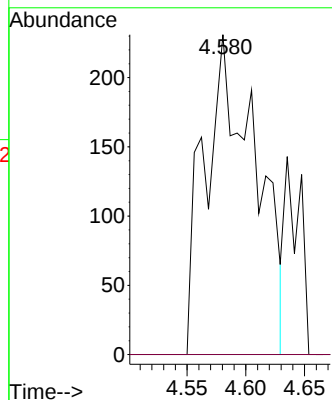
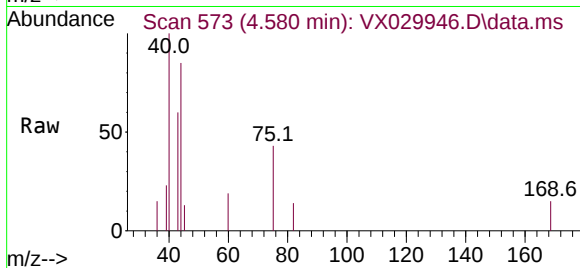
MID0722

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 2.414 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

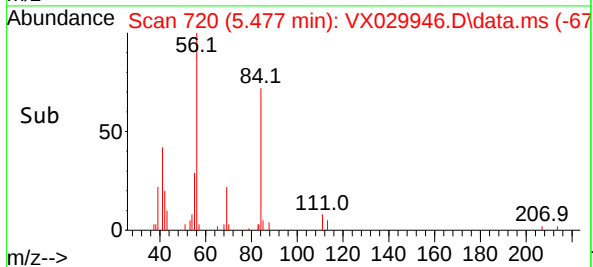
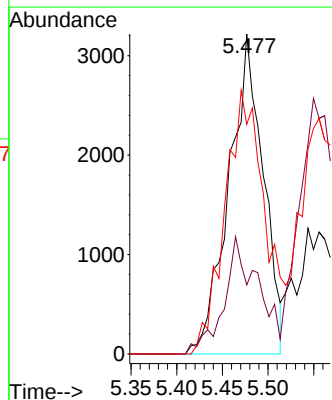
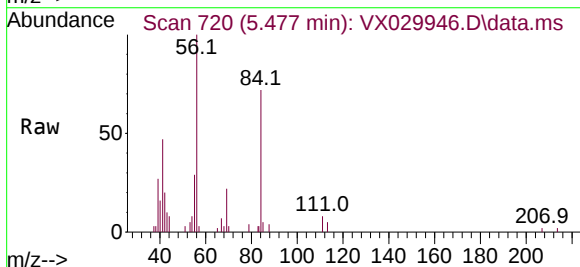
Tgt Ion: 56 Resp: 8385

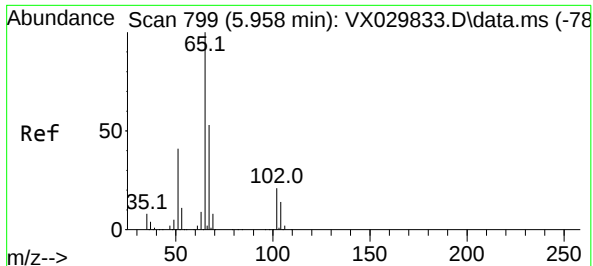
Ion Ratio Lower Upper

56 100

69 21.6 25.4 38.0#

84 71.8 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 43.920 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

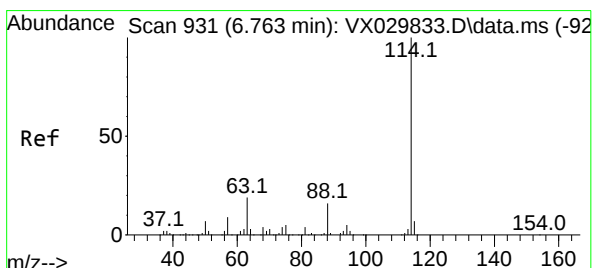
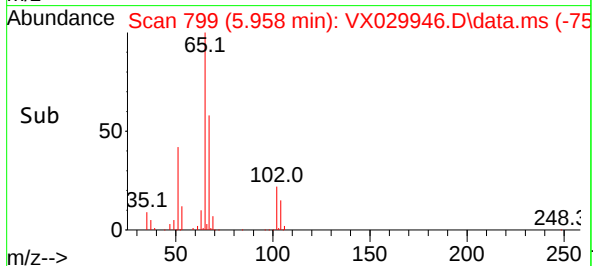
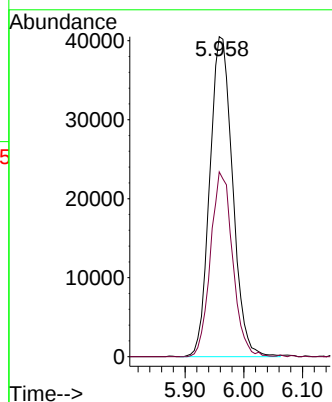
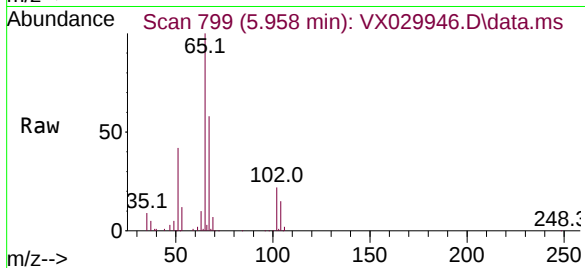
MID0722

Tgt Ion: 65 Resp: 109423

Ion Ratio Lower Upper

65 100

67 55.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

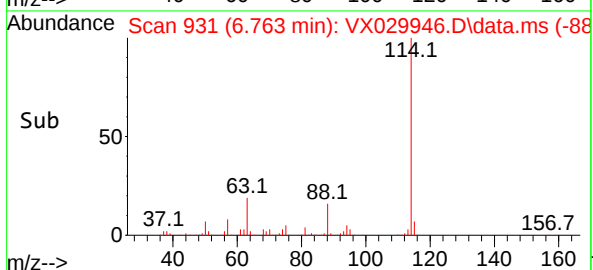
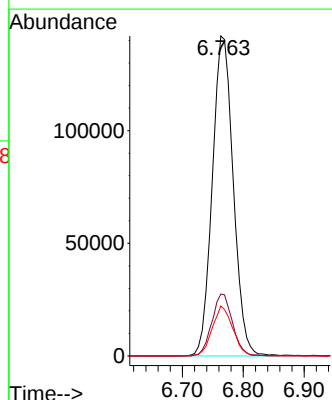
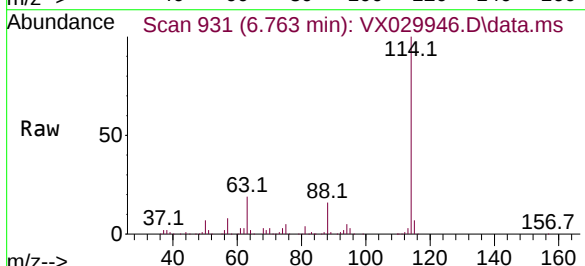
Tgt Ion: 114 Resp: 339656

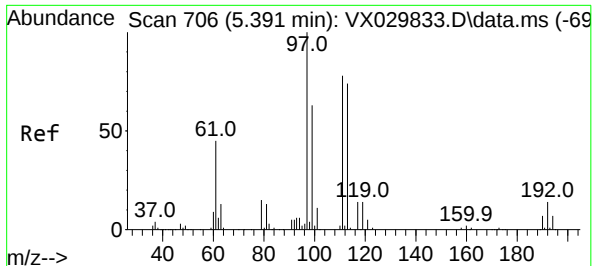
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.081 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

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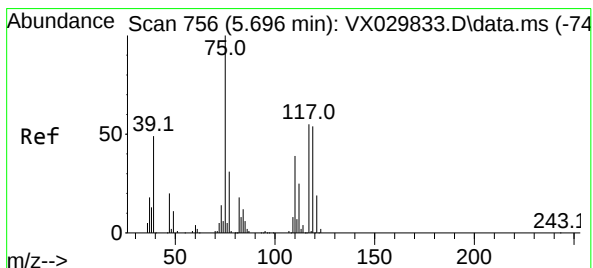
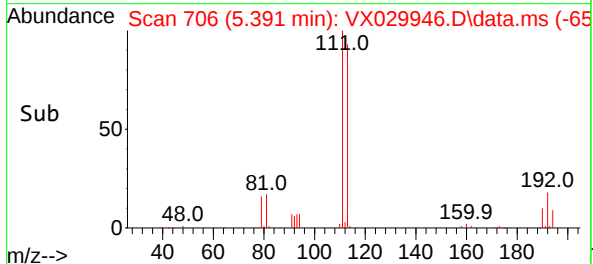
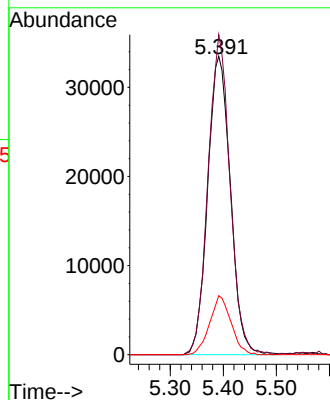
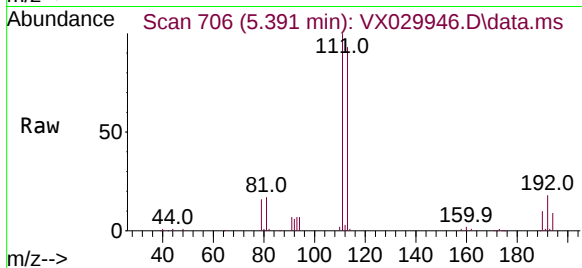
Tgt Ion:113 Resp: 99938

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

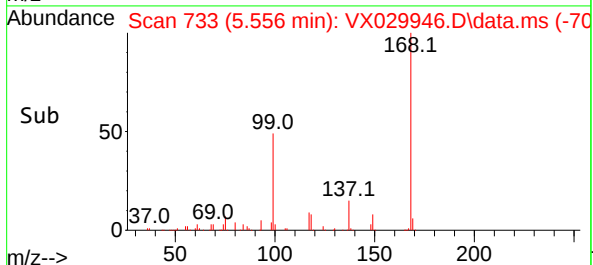
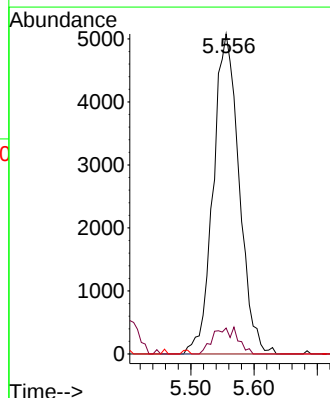
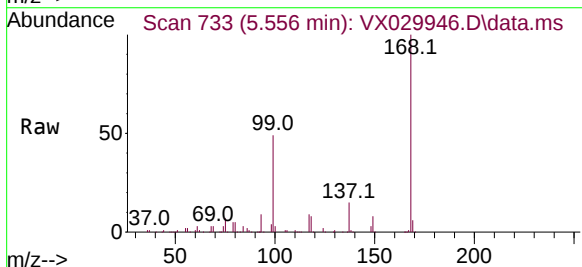
Tgt Ion: 75 Resp: 14433

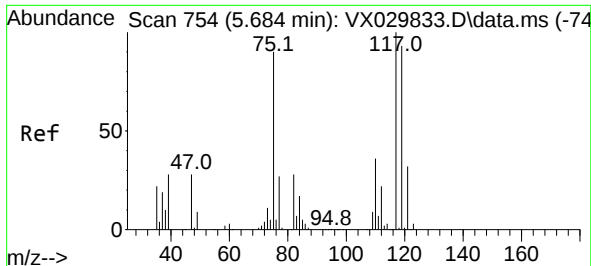
Ion Ratio Lower Upper

75 100

110 3.7 19.3 57.9#

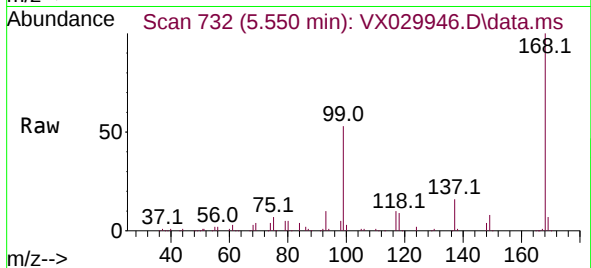
77 0.0 24.4 36.6#



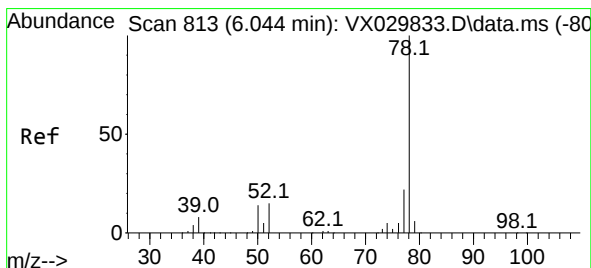
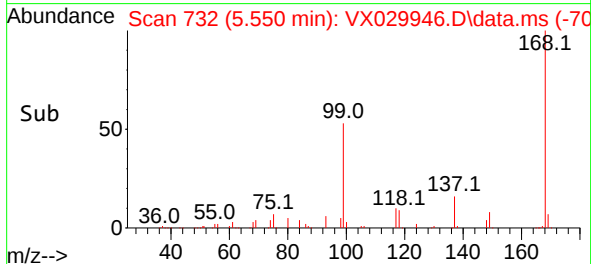
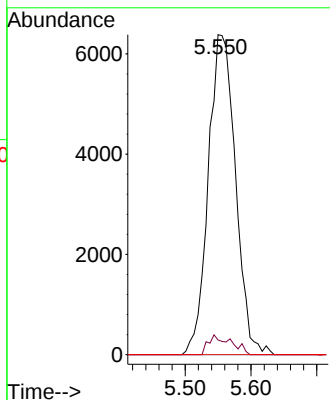


#38
Carbon Tetrachloride
Concen: 7.516 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Instrument :
MSVOA_X
ClientSampleId :
MID0722

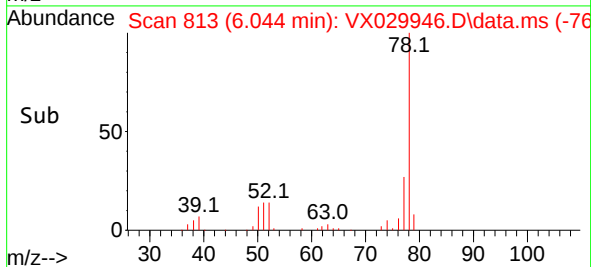
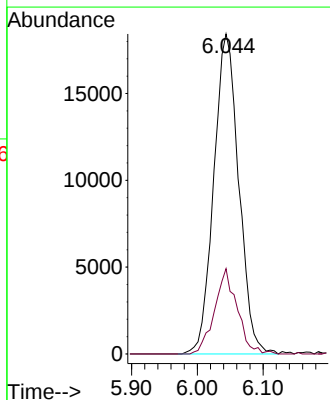
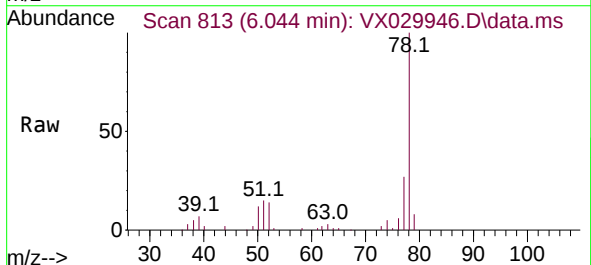


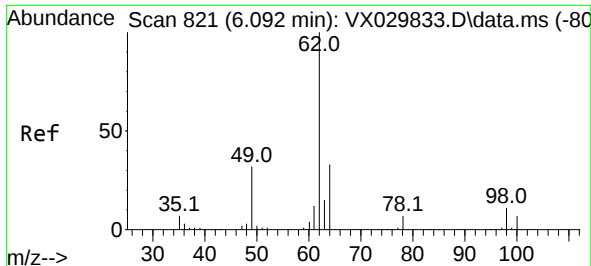
Tgt Ion:117 Resp: 18386
Ion Ratio Lower Upper
117 100
119 4.6 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 5.336 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion: 78 Resp: 48715
Ion Ratio Lower Upper
78 100
77 26.7 18.0 27.0

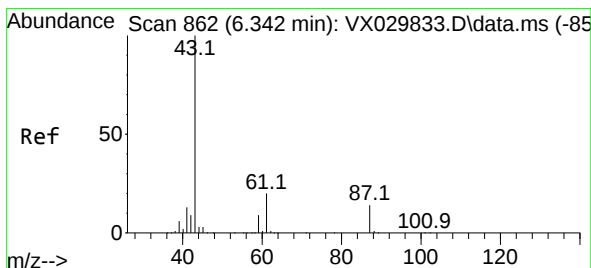
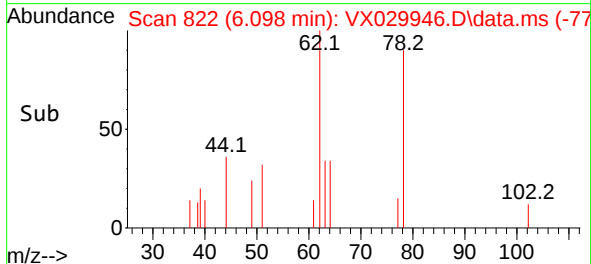
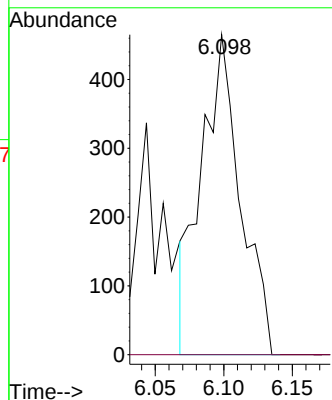
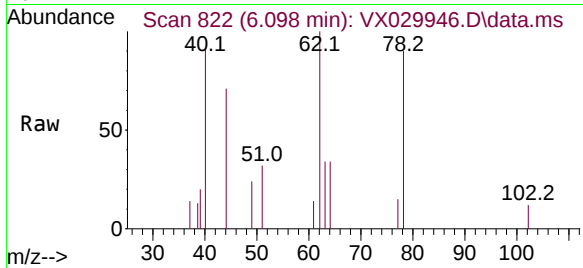




#42
1,2-Dichloroethane
Concen: 0.329 ug/l
RT: 6.098 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

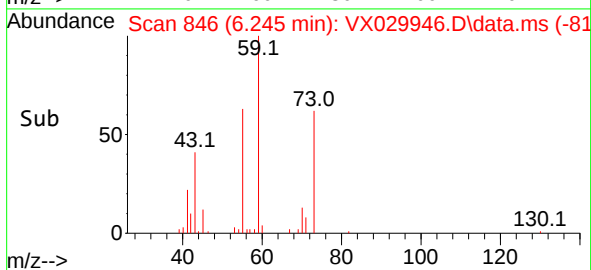
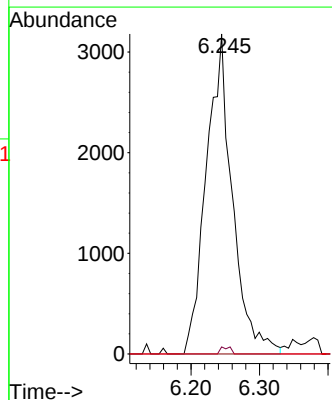
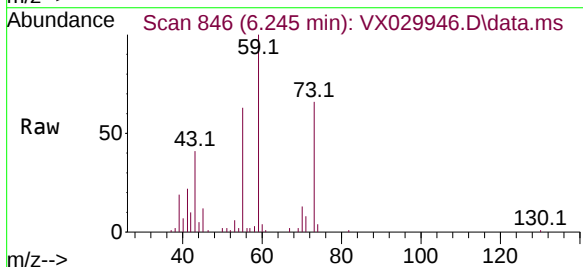
Instrument :
MSVOA_X
ClientSampleId :
MID0722

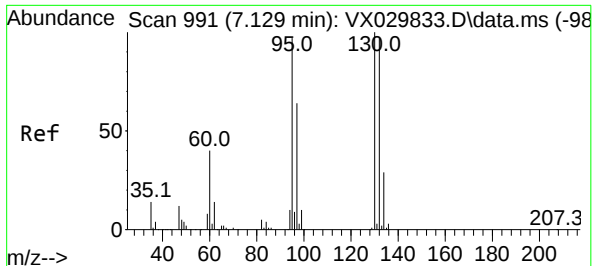
Tgt Ion: 62 Resp: 923
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 1.449 ug/l
RT: 6.245 min Scan# 846
Delta R.T. -0.097 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion: 43 Resp: 8424
Ion Ratio Lower Upper
43 100
61 0.8 16.5 24.7#
87 0.0 11.1 16.7#

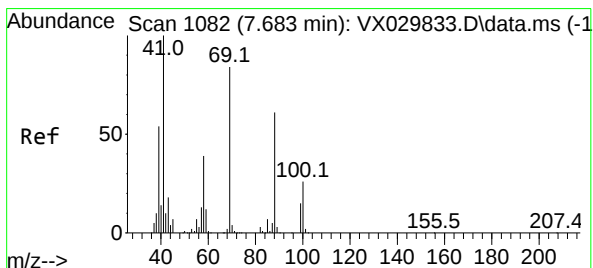
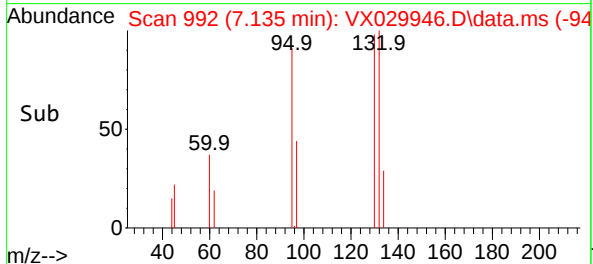
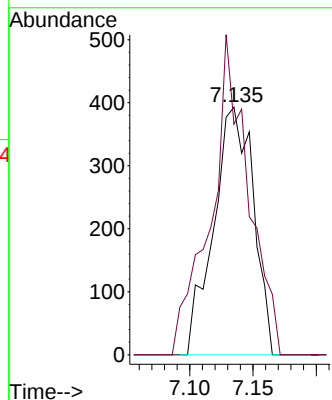
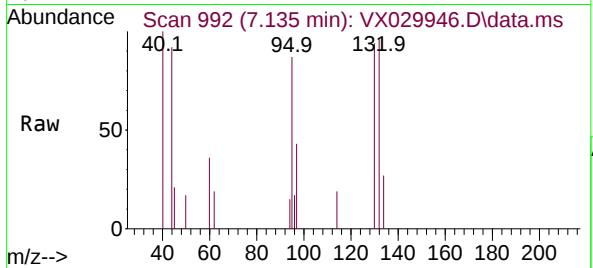




#44
 Trichloroethene
 Concen: 0.351 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX029946.D
 Acq: 06 Jul 2022 16:14

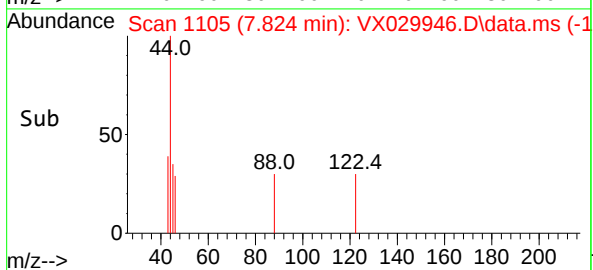
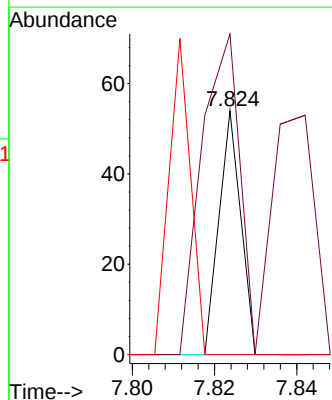
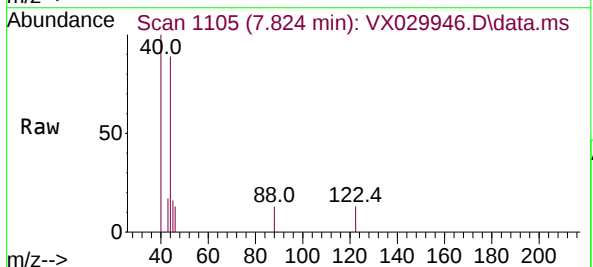
Instrument :
 MSVOA_X
 ClientSampleId :
 MID0722

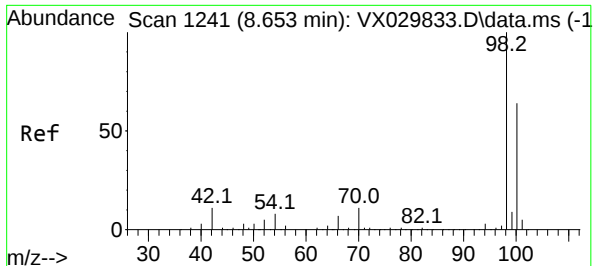
Tgt Ion:130 Resp: 862
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 194.8



#49
 1,4-Dioxane
 Concen: 0.306 ug/l
 RT: 7.824 min Scan# 1105
 Delta R.T. 0.140 min
 Lab File: VX029946.D
 Acq: 06 Jul 2022 16:14

Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 225.0 23.8 35.8#
 58 130.0 53.8 80.6#





#50

Toluene-d8

Concen: 48.804 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

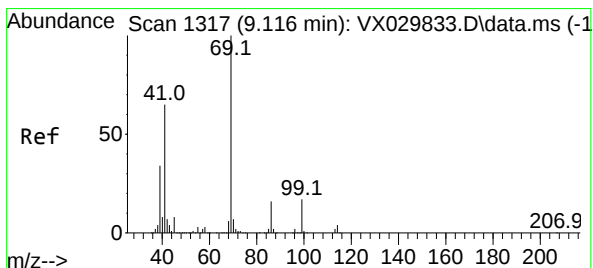
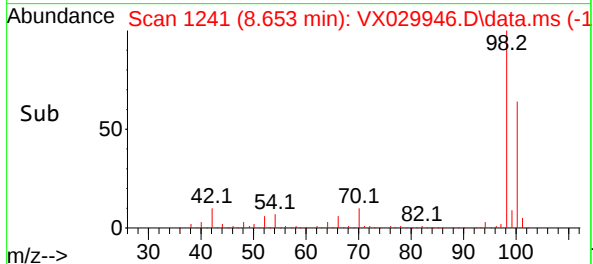
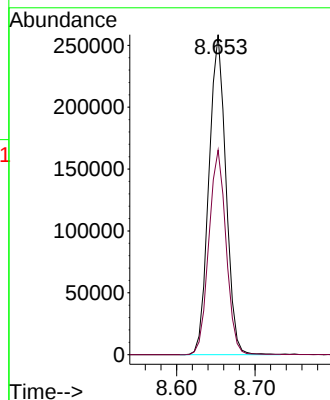
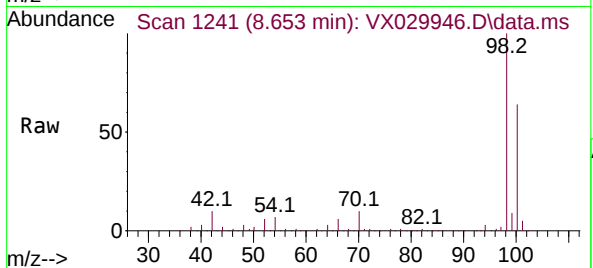
MID0722

Tgt Ion: 98 Resp: 388636

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#56

Ethyl methacrylate

Concen: 0.411 ug/l

RT: 8.836 min Scan# 1271

Delta R.T. -0.280 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

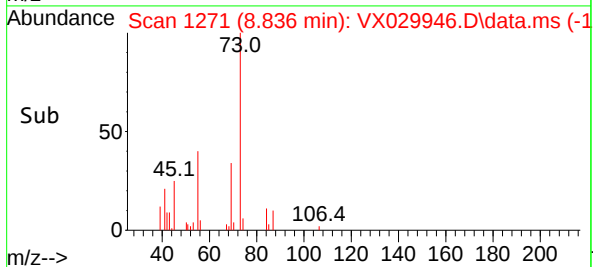
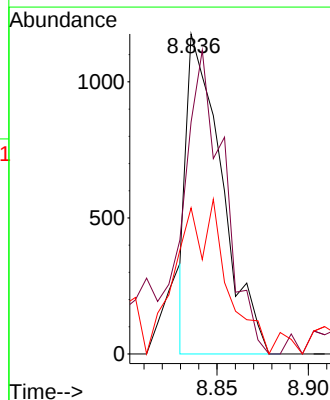
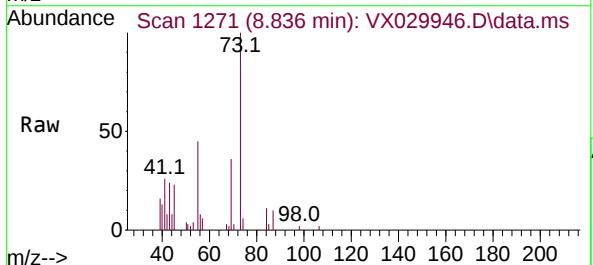
Tgt Ion: 69 Resp: 1555

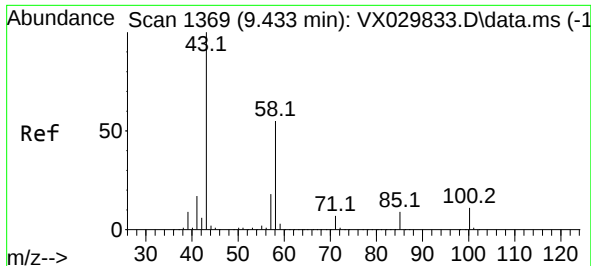
Ion Ratio Lower Upper

69 100

41 94.0 52.3 78.5#

39 53.1 28.2 42.4#





#59

2-Hexanone

Concen: 0.236 ug/l

RT: 9.452 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

Instrument :

MSVOA_X

ClientSampleId :

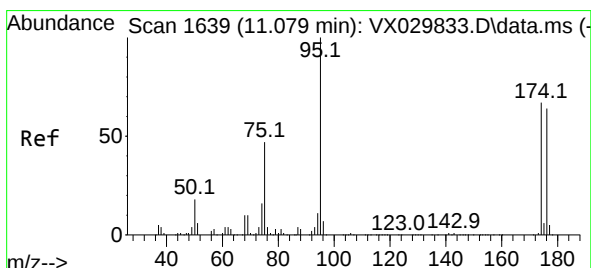
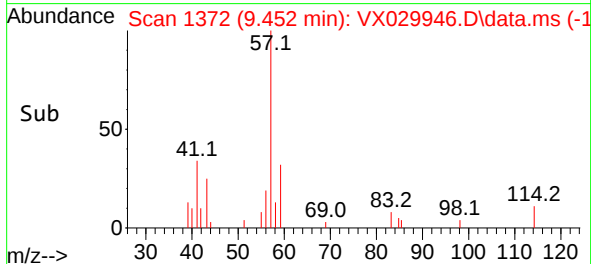
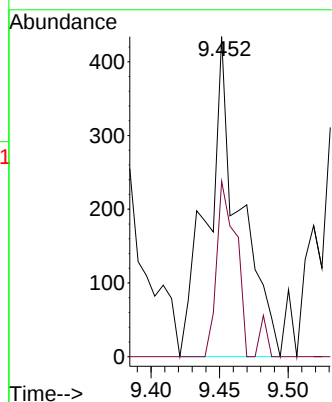
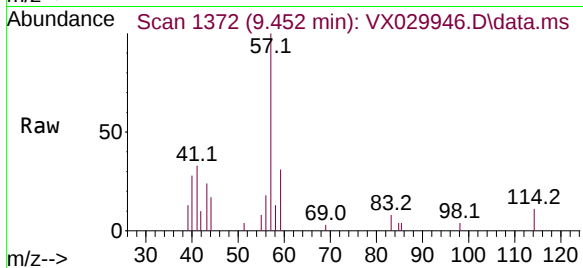
MID0722

Tgt Ion: 43 Resp: 703

Ion Ratio Lower Upper

43 100

58 33.1 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 46.595 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX029946.D

Acq: 06 Jul 2022 16:14

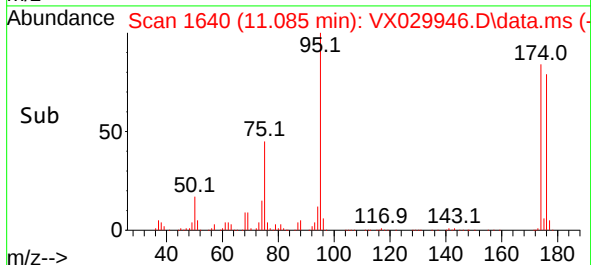
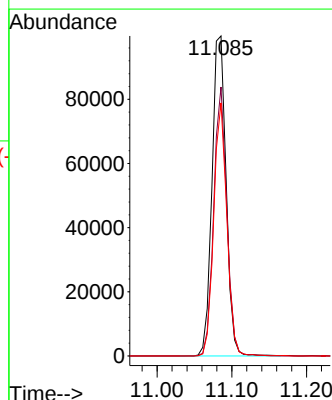
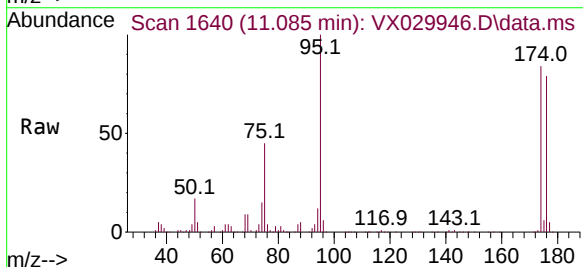
Tgt Ion: 95 Resp: 131158

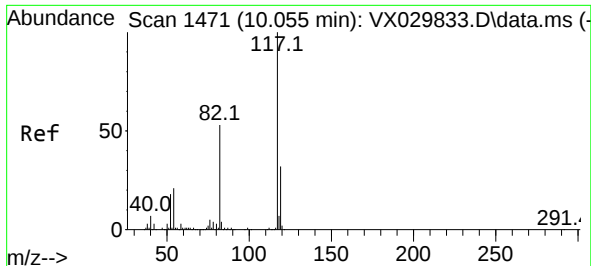
Ion Ratio Lower Upper

95 100

174 78.3 0.0 149.0

176 73.6 0.0 146.0

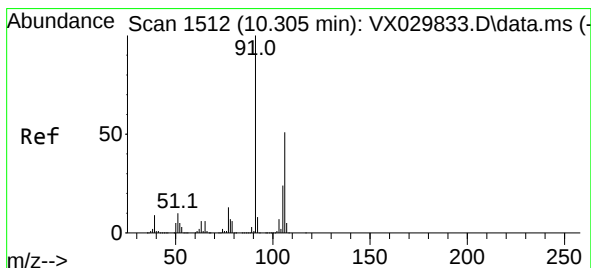
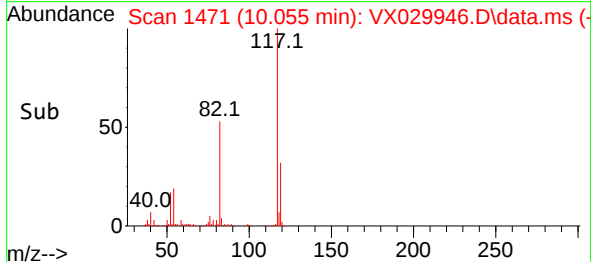
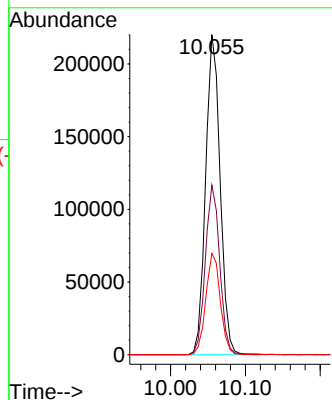
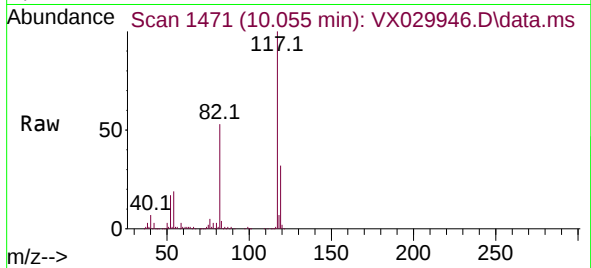




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

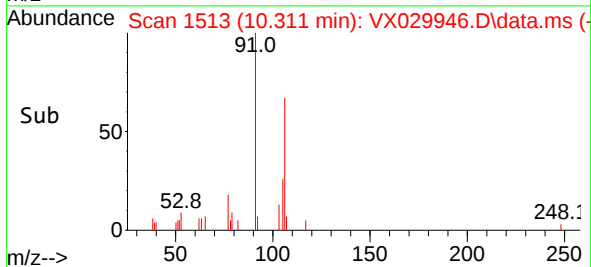
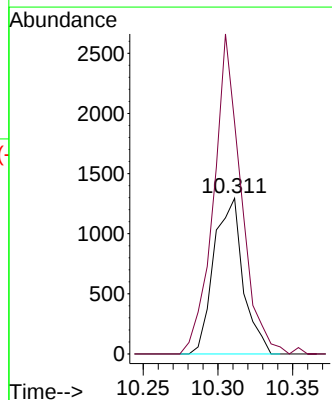
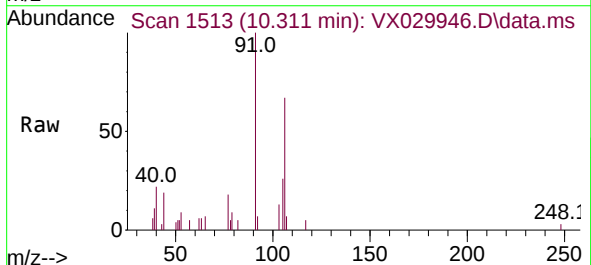
Instrument :
MSVOA_X
ClientSampleId :
MID0722

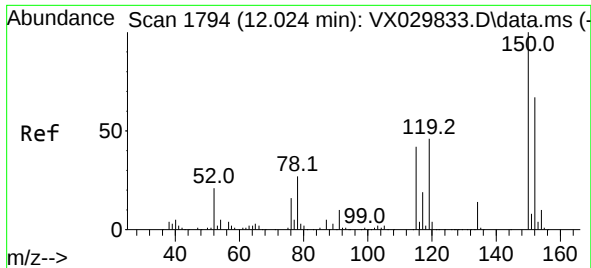
Tgt Ion:117 Resp: 296098
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 0.444 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion:106 Resp: 1759
Ion Ratio Lower Upper
106 100
91 193.2 158.2 237.4

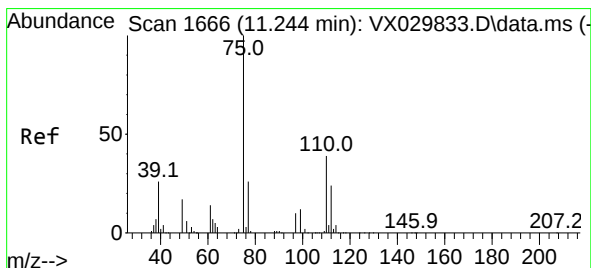
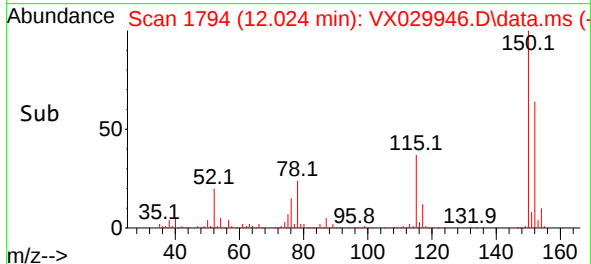
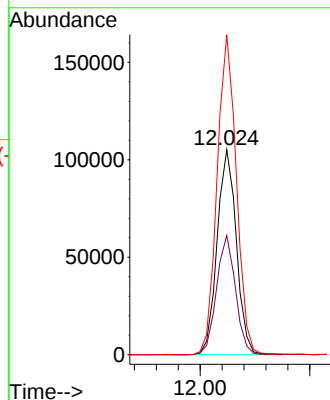
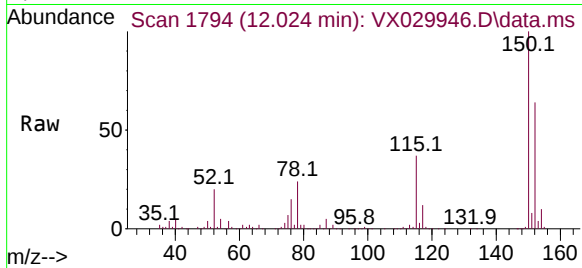




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029946.D
 Acq: 06 Jul 2022 16:14

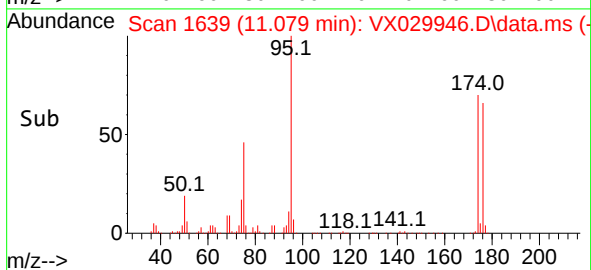
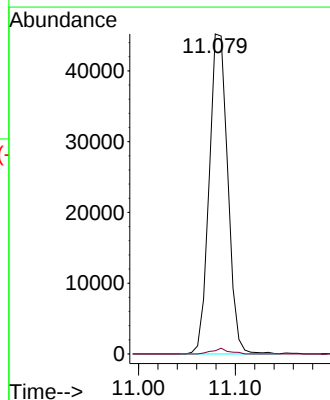
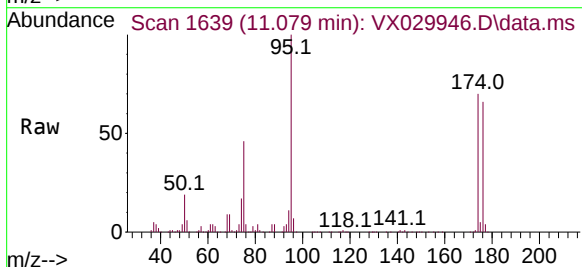
Instrument :
 MSVOA_X
 ClientSampleId :
 MID0722

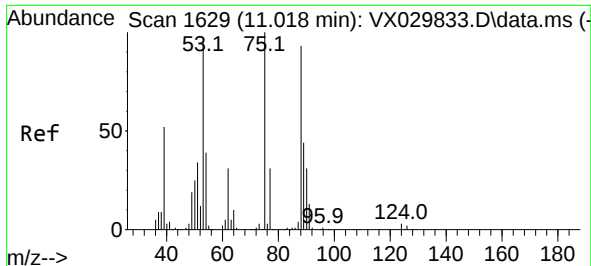
Tgt Ion:152 Resp: 128042
 Ion Ratio Lower Upper
 152 100
 115 57.3 40.5 121.5
 150 156.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.740 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029946.D
 Acq: 06 Jul 2022 16:14

Tgt Ion: 75 Resp: 60505
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#

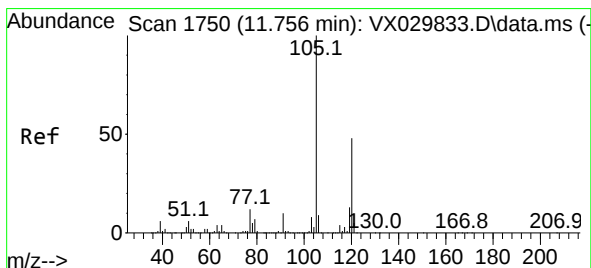
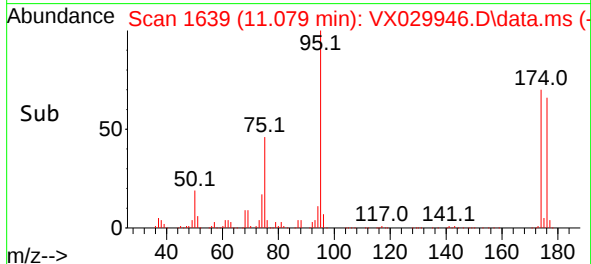
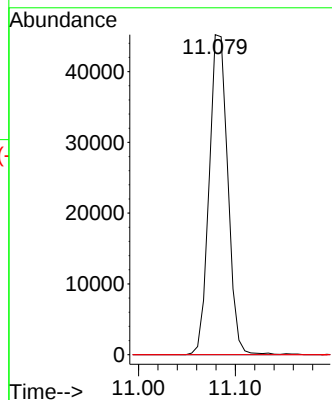
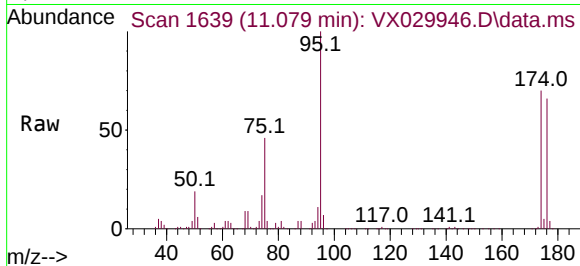




#81
trans-1,4-Dichloro-2-butene
Concen: 62.689 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Instrument :
MSVOA_X
ClientSampleId :
MID0722

Tgt Ion: 75 Resp: 60505
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.202 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029946.D
Acq: 06 Jul 2022 16:14

Tgt Ion:105 Resp: 1559
Ion Ratio Lower Upper
105 100
120 39.7 22.9 68.8

