

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070622\
 Data File : VX029938.D
 Acq On : 06 Jul 2022 12:57
 Operator : JC/MD
 Sample : N3591-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:34:26 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

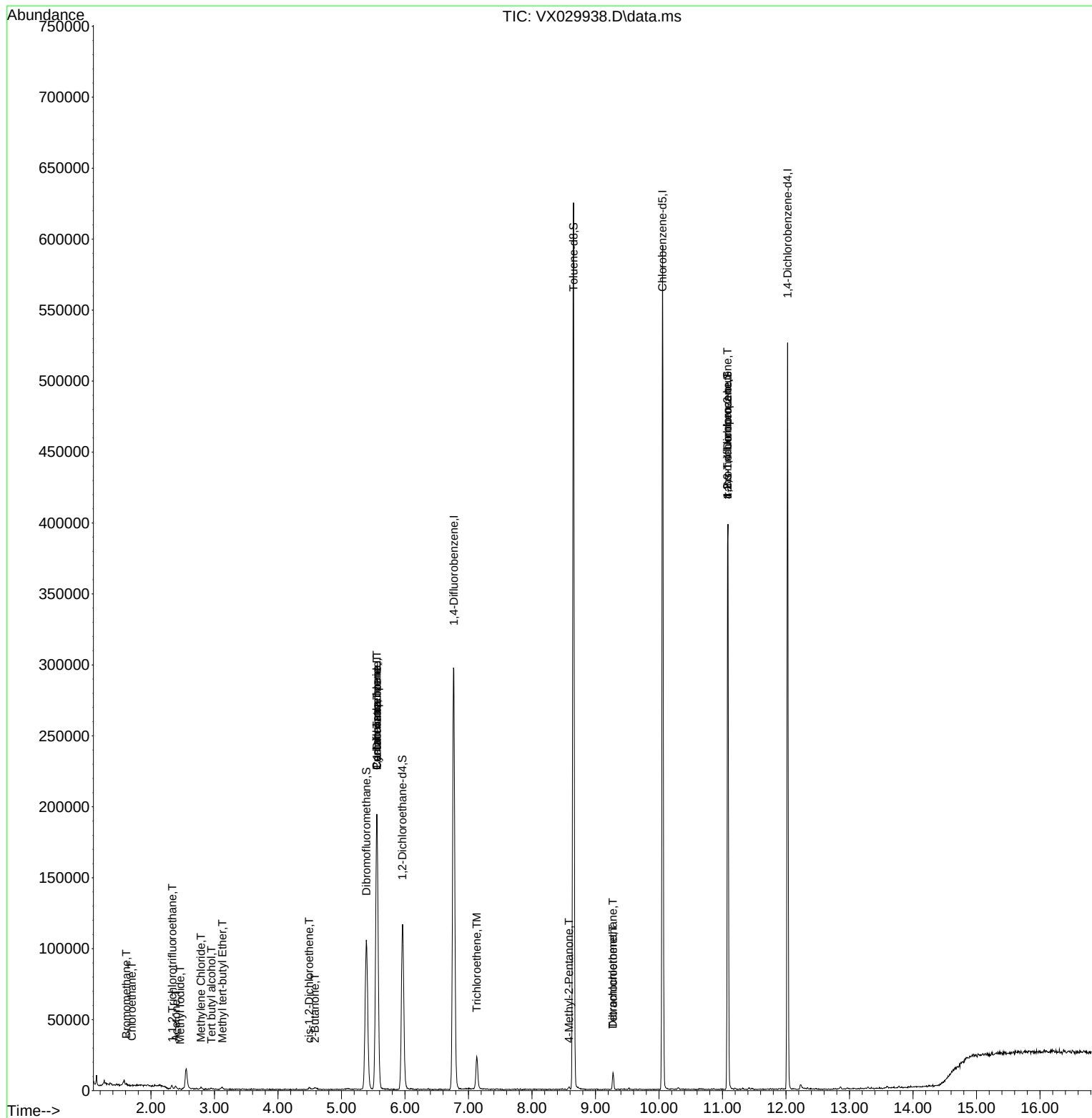
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	193219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	326152	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102152	41.766	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.540%
35) Dibromofluoromethane	5.391	113	93731	45.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.980%
50) Toluene-d8	8.653	98	373859	48.892	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.079	95	114054	42.196	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	394	0.331	ug/l #	77
6) Chloroethane	1.697	64	165	1.138	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.337	101	639	0.330	ug/l #	82
10) Methyl Iodide	2.459	142	562	2.077	ug/l #	76
11) Tert butyl alcohol	2.953	59	667	1.043	ug/l #	74
13) Acrolein	2.233	56	38	Below Cal	#	14
16) Acetone	2.392	43	2181	1.823	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	1550	0.231	ug/l #	83
20) Methylene Chloride	2.788	84	594	0.235	ug/l	93
25) 2-Butanone	4.581	43	587	0.283	ug/l #	48
27) cis-1,2-Dichloroethene	4.489	96	761	0.295	ug/l	83
31) Cyclohexane	5.556	56	3763	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14318	5.282	ug/l #	48
38) Carbon Tetrachloride	5.556	117	17553	7.472	ug/l #	16
44) Trichloroethene	7.129	130	8793	3.725	ug/l	90
51) 4-Methyl-2-Pentanone	8.580	43	1170	0.318	ug/l	96
60) Dibromochloromethane	9.275	129	2185	1.073	ug/l #	11
64) Tetrachloroethene	9.275	164	2275	1.383	ug/l #	90
76) 1,2,3-Trichloropropane	11.079	75	52242	20.672	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52242	65.649	ug/l #	13

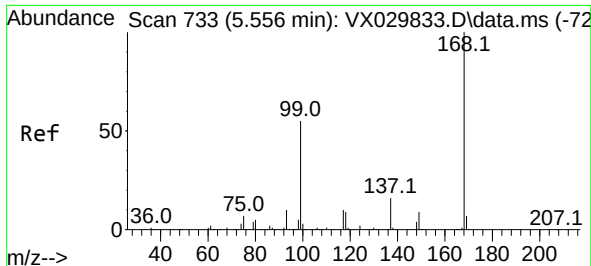
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Jul 07 02:34:26 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

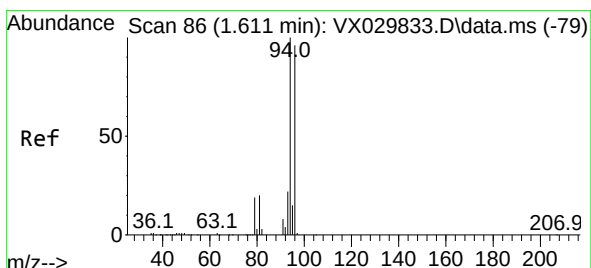
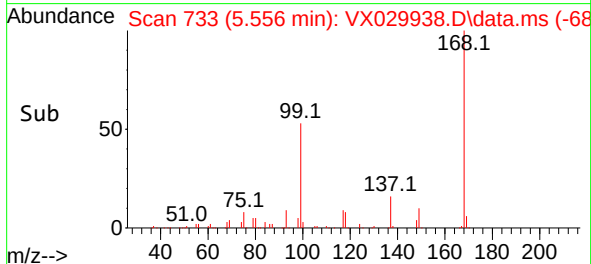
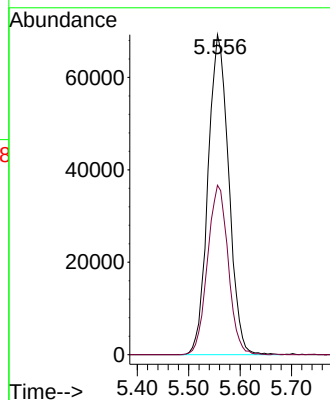
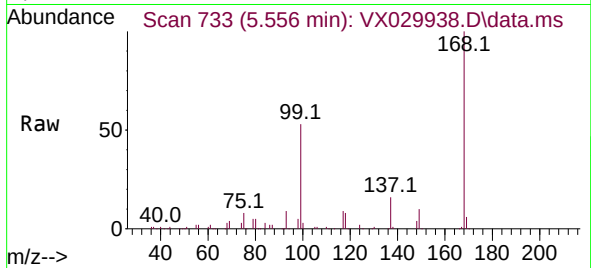




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

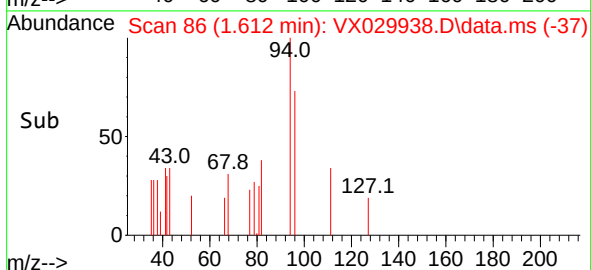
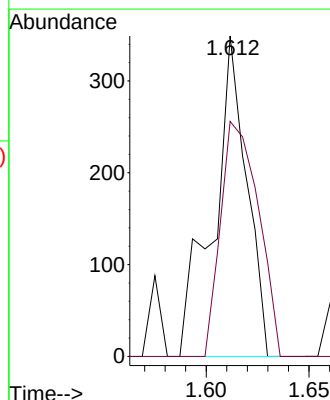
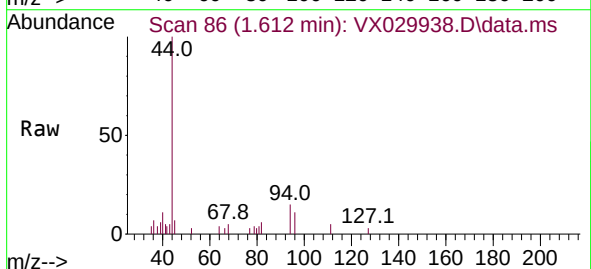
Instrument :
MSVOA_X
ClientSampleId :

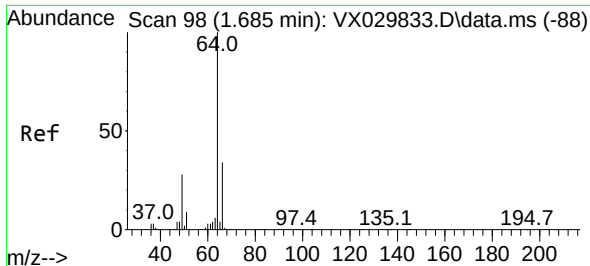
Tgt Ion:168 Resp: 193219
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

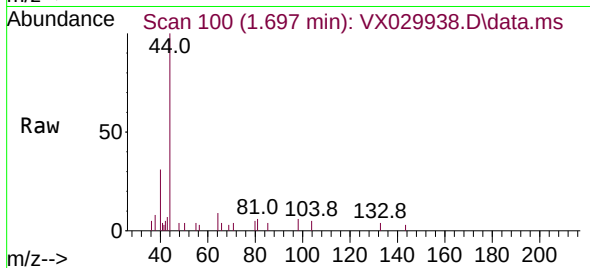
Tgt Ion: 94 Resp: 394
Ion Ratio Lower Upper
94 100
96 73.4 76.9 115.3#



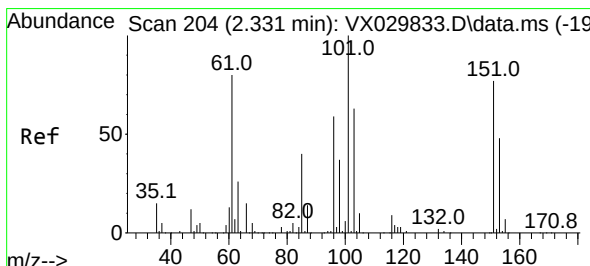
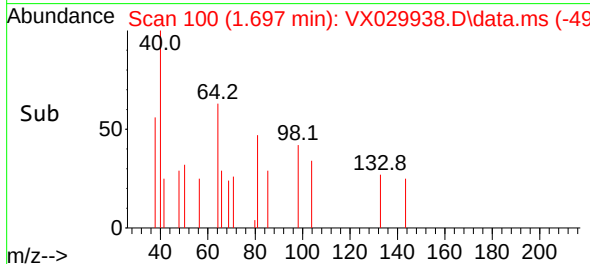
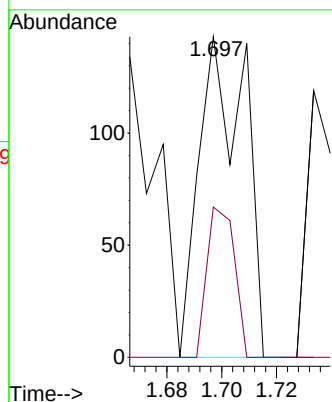


#6
Chloroethane
Concen: 1.138 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :

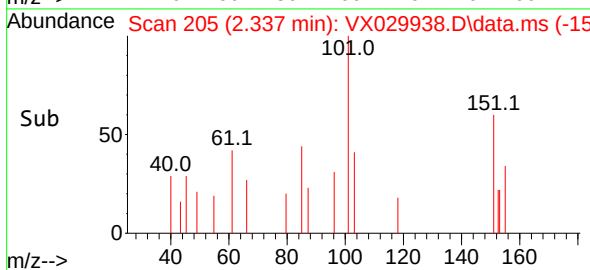
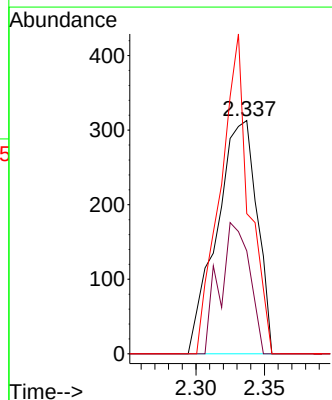
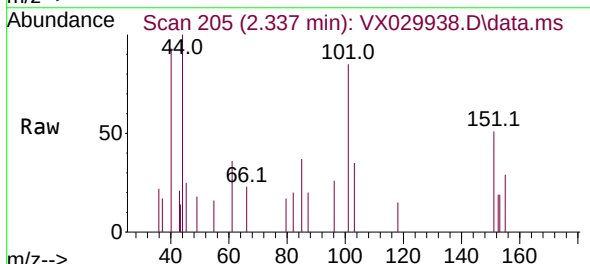


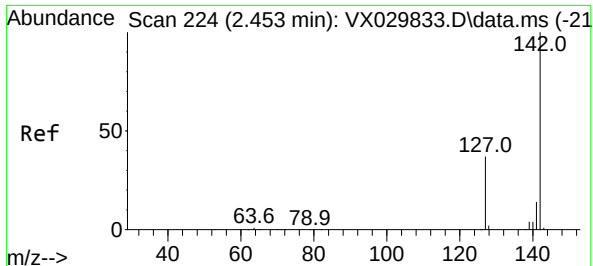
Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 46.9 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.330 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

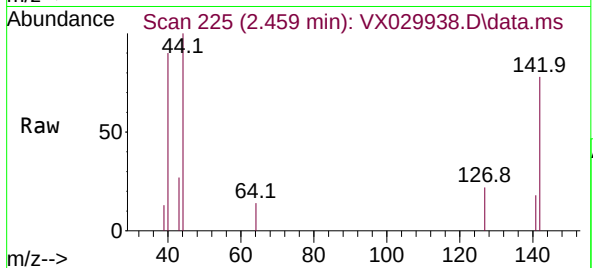
Tgt Ion: 101 Resp: 639
Ion Ratio Lower Upper
101 100
85 41.6 34.0 51.0
151 97.8 59.4 89.0#



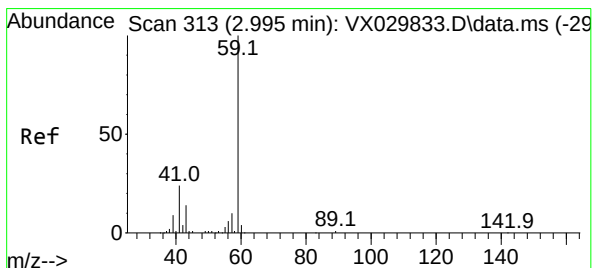
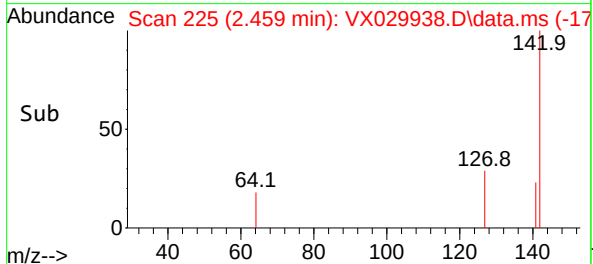
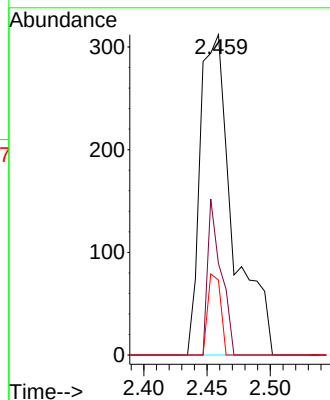


#10
Methyl Iodide
Concen: 2.077 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :

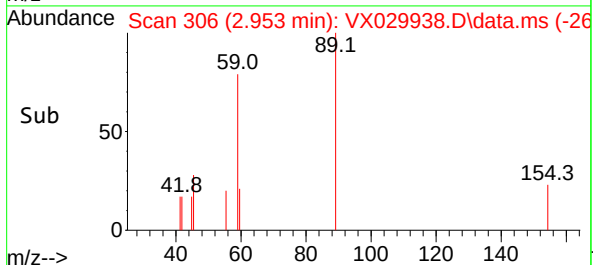
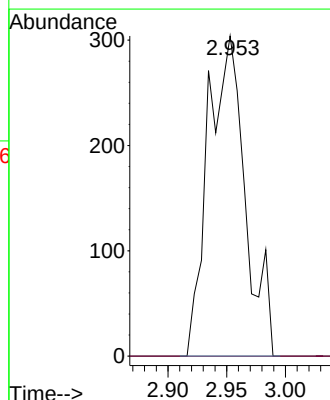
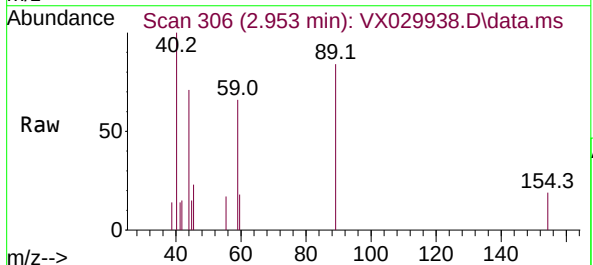


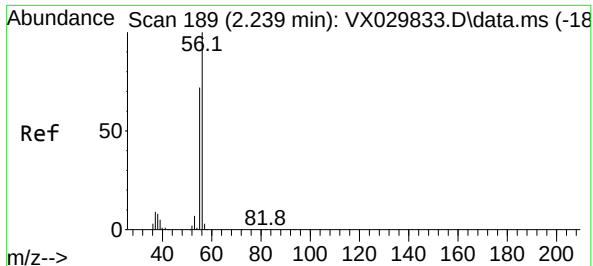
Tgt Ion:142 Resp: 562
Ion Ratio Lower Upper
142 100
127 19.9 30.2 45.2#
141 10.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.043 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.042 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Tgt Ion: 59 Resp: 667
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#13

Acrolein

Concen: Below Cal

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX029938.D

Acq: 06 Jul 2022 12:57

Instrument :

MSVOA_X

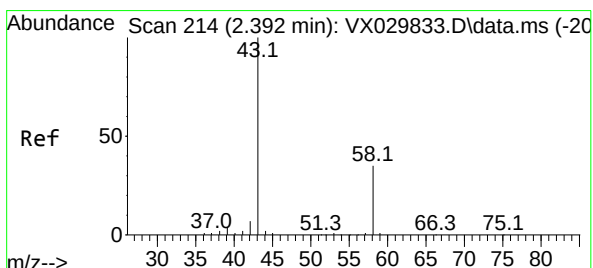
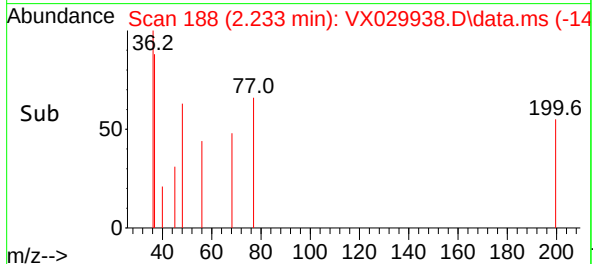
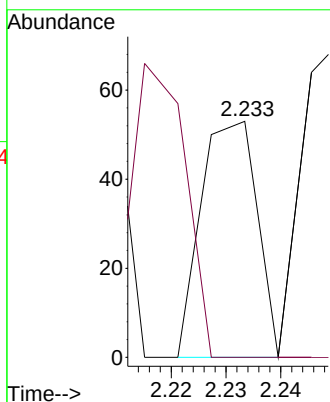
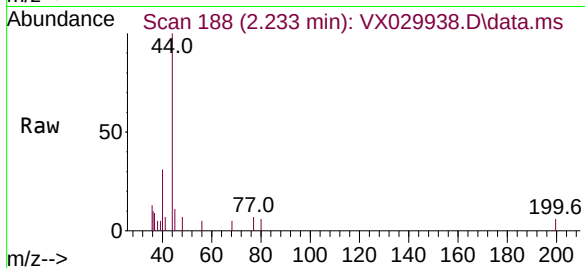
ClientSampleId :

Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#16

Acetone

Concen: 1.823 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX029938.D

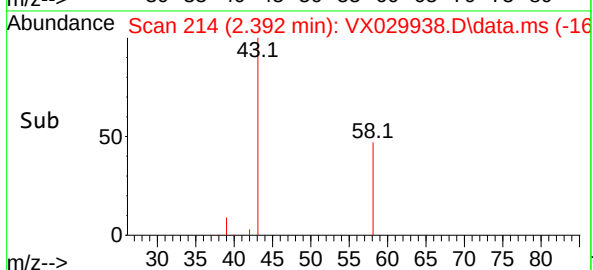
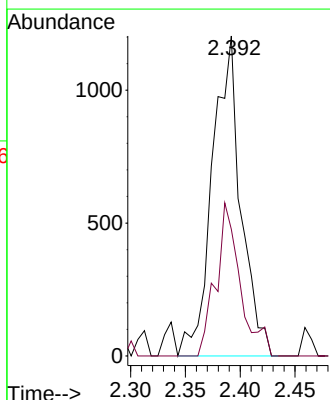
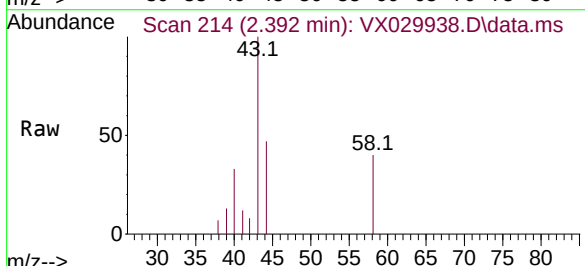
Acq: 06 Jul 2022 12:57

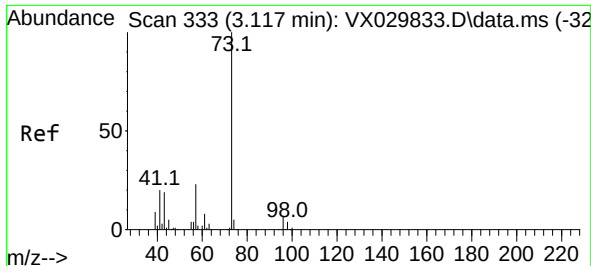
Tgt Ion: 43 Resp: 2181

Ion Ratio Lower Upper

43 100

58 39.6 27.7 41.5





#19

Methyl tert-butyl Ether

Concen: 0.231 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX029938.D

Acq: 06 Jul 2022 12:57

Instrument :

MSVOA_X

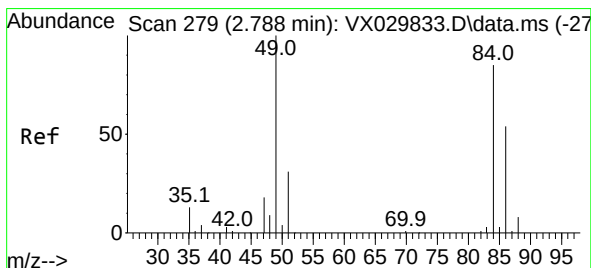
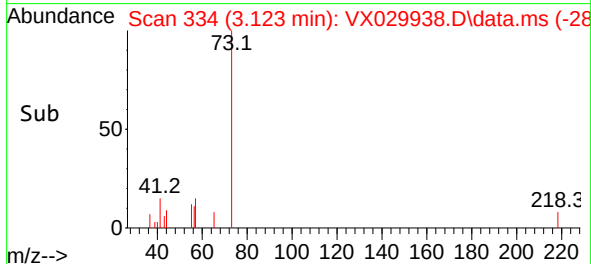
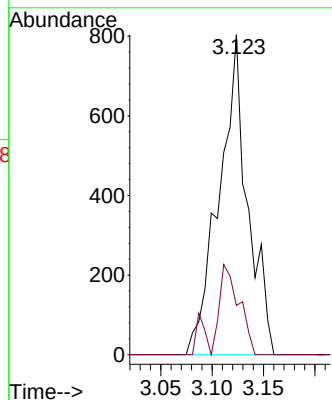
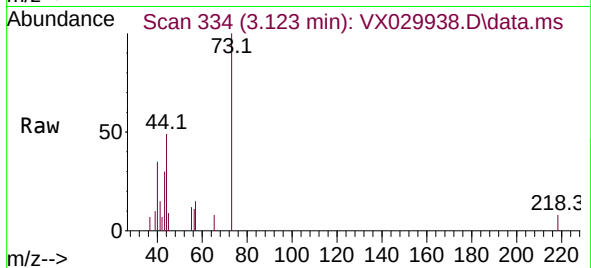
ClientSampleId :

Tgt Ion: 73 Resp: 1550

Ion Ratio Lower Upper

73 100

57 15.4 19.0 28.6#



#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX029938.D

Acq: 06 Jul 2022 12:57

Tgt Ion: 84 Resp: 594

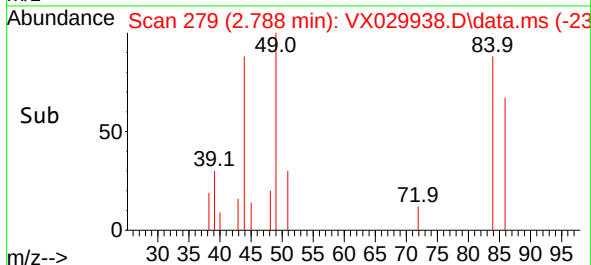
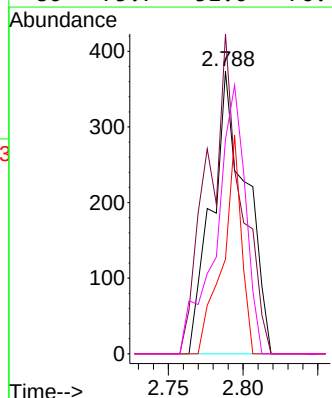
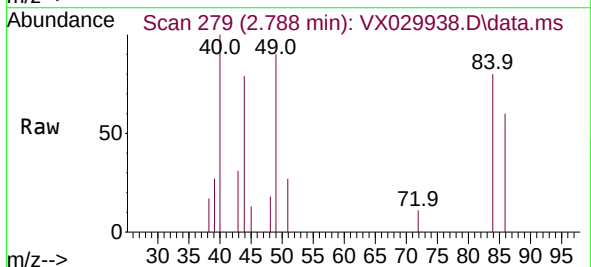
Ion Ratio Lower Upper

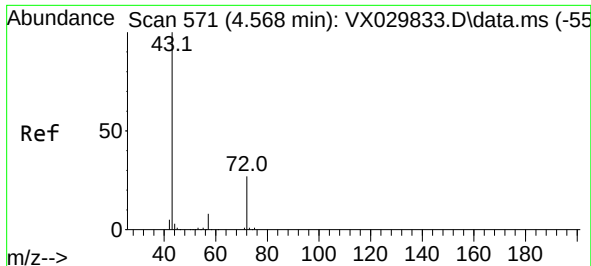
84 100

49 113.1 93.8 140.6

51 33.4 29.4 44.0

86 75.7 51.0 76.4

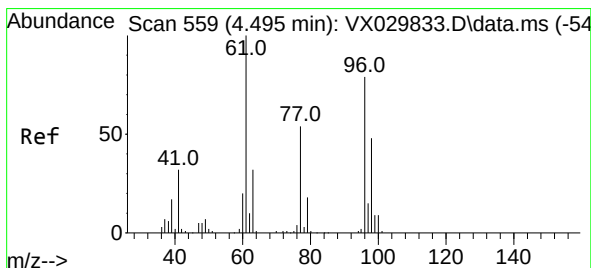
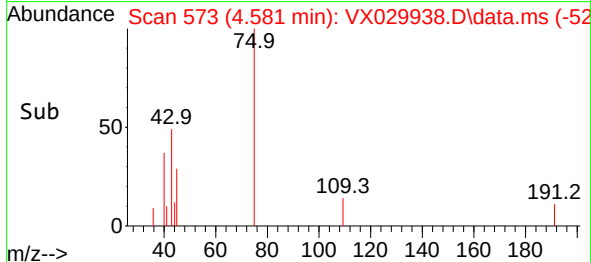
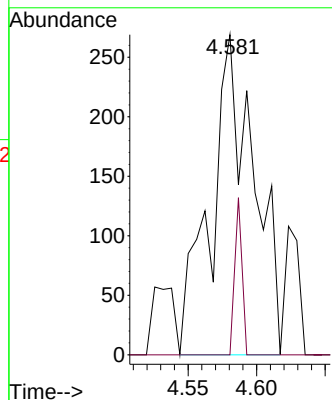
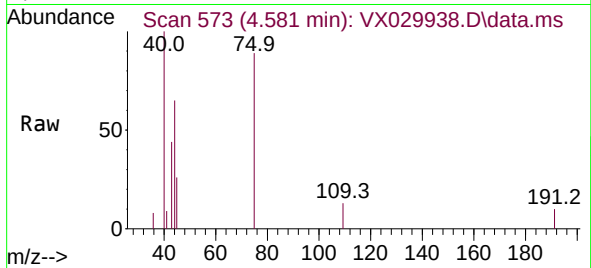




#25
2-Butanone
Concen: 0.283 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

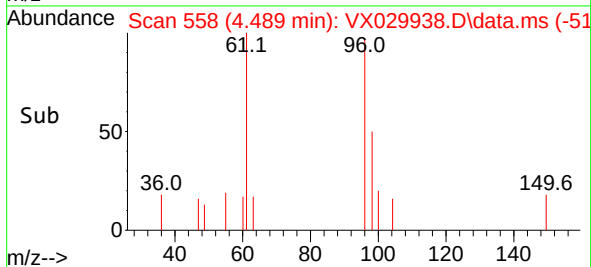
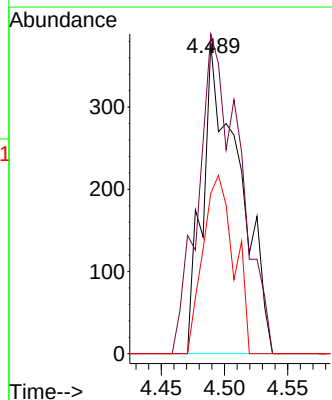
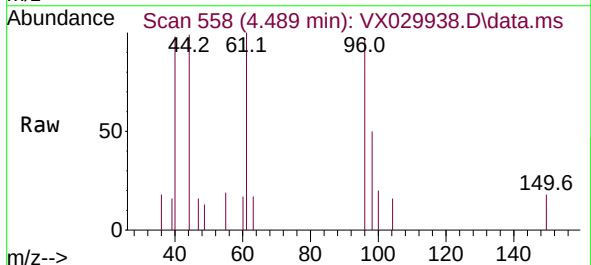
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MSVOA_X
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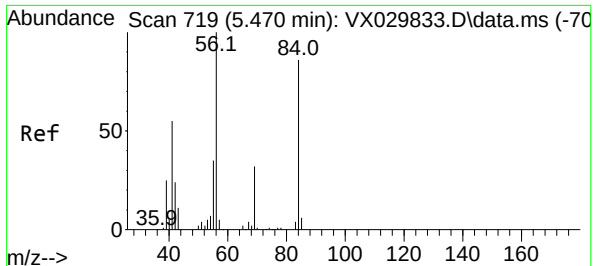
Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 0.295 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

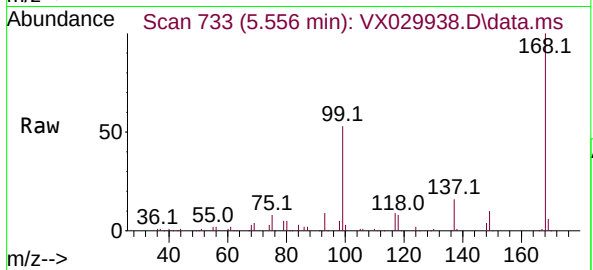
Tgt Ion: 96 Resp: 761
Ion Ratio Lower Upper
96 100
61 116.6 0.0 270.0
98 48.8 0.0 127.8



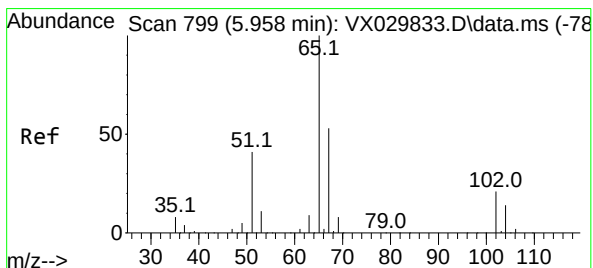
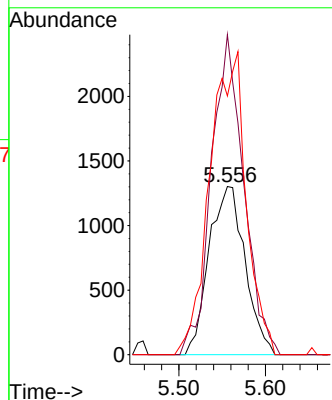
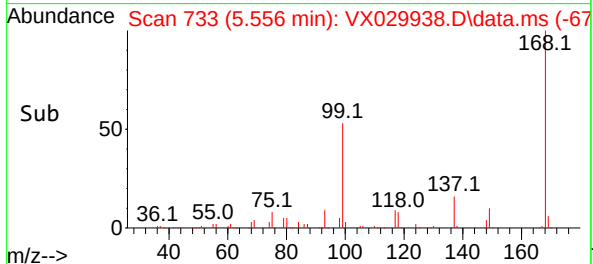


#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :

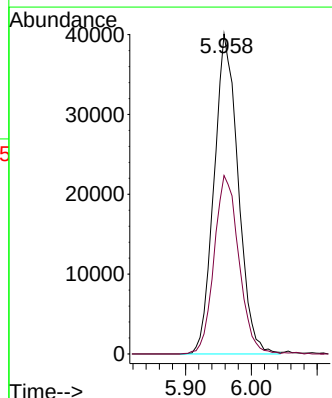
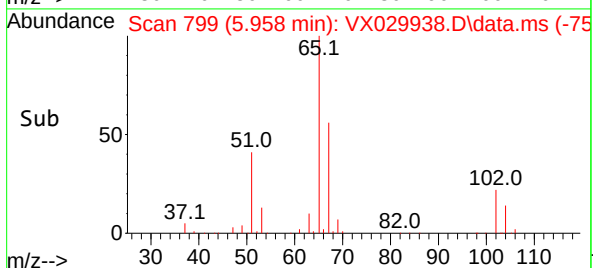
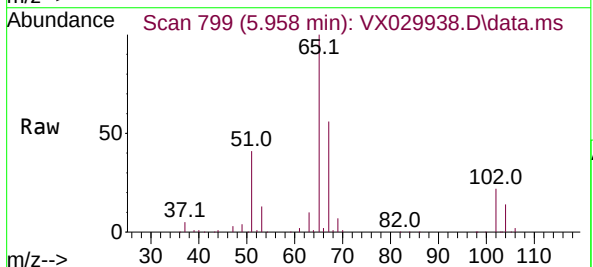


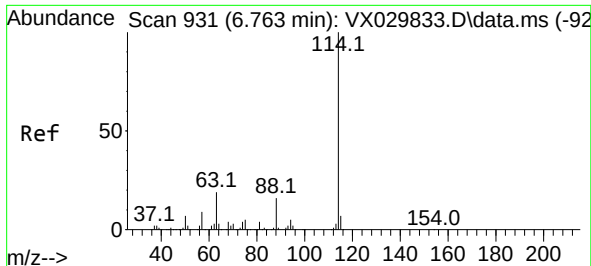
Tgt Ion: 56 Resp: 3763
Ion Ratio Lower Upper
56 100
69 190.2 25.4 38.0#
84 153.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 41.766 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Tgt Ion: 65 Resp: 102152
Ion Ratio Lower Upper
65 100
67 57.2 0.0 109.6

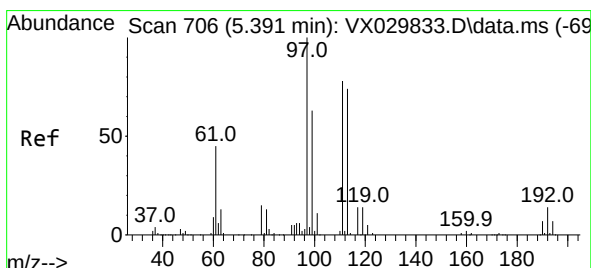
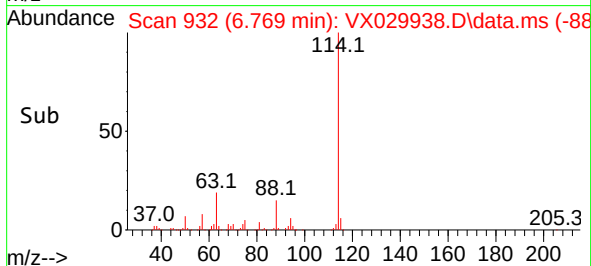
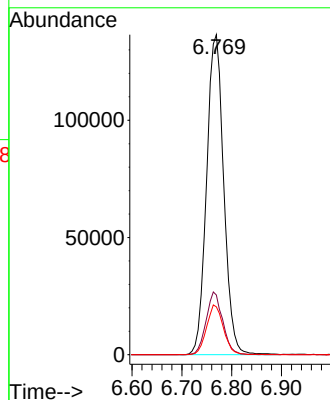
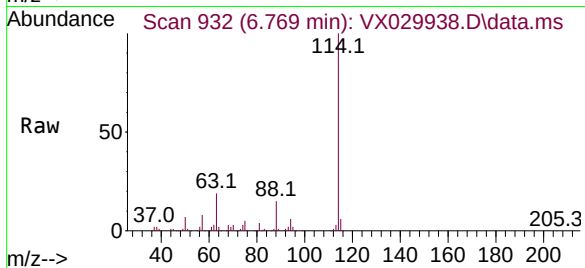




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

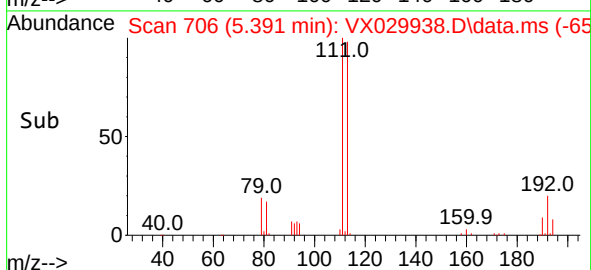
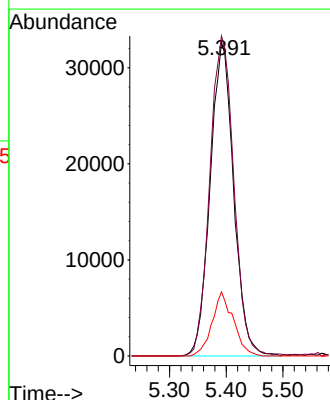
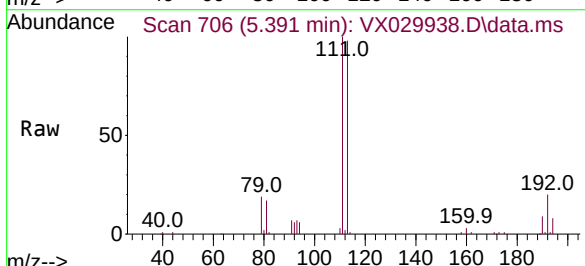
Instrument :
MSVOA_X
ClientSampleId :

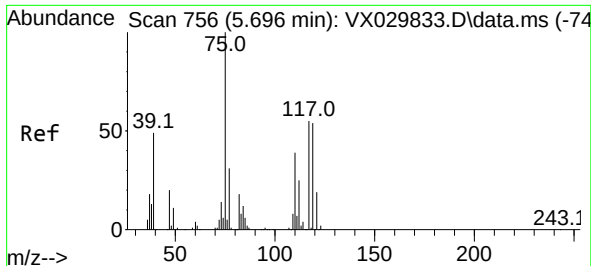
Tgt Ion:114 Resp: 326152
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.985 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

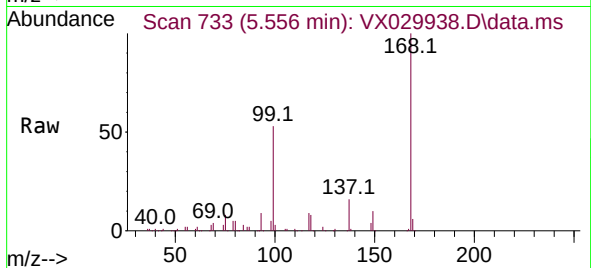
Tgt Ion:113 Resp: 93731
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 18.5 14.8 22.2



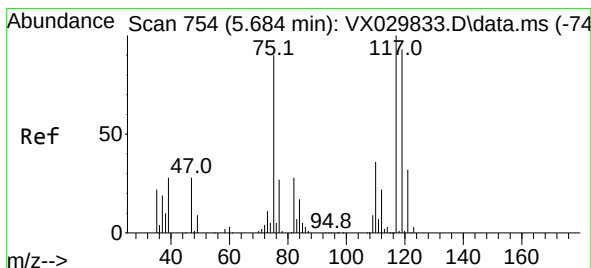
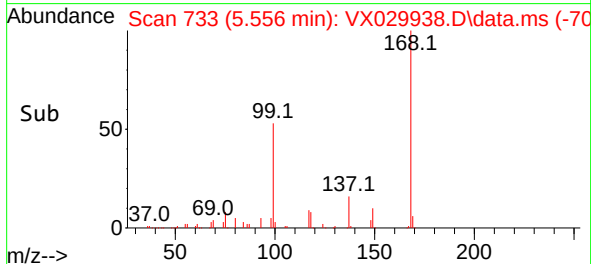
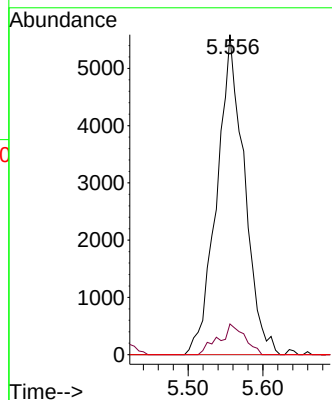


#36
1,1-Dichloropropene
Concen: 5.282 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :

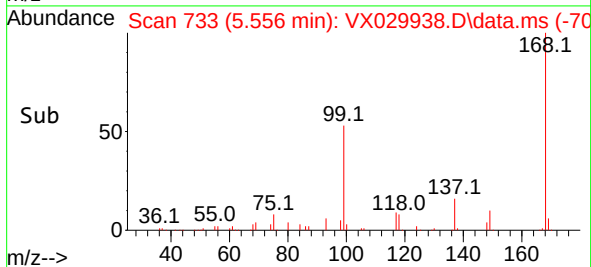
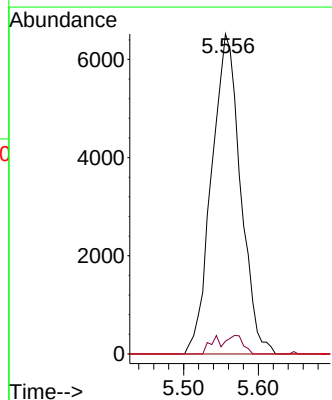
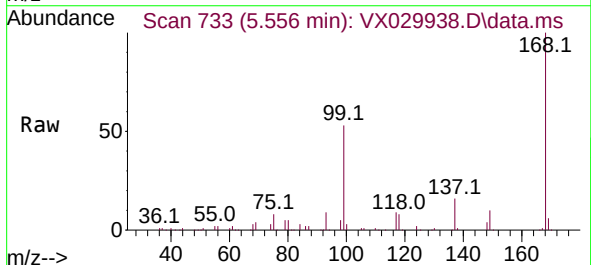


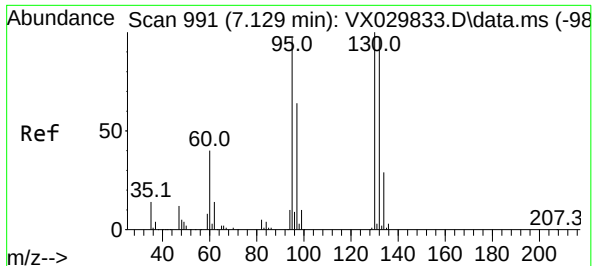
Tgt Ion: 75 Resp: 14318
Ion Ratio Lower Upper
75 100
110 9.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.472 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Tgt Ion: 117 Resp: 17553
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.8 38.8#

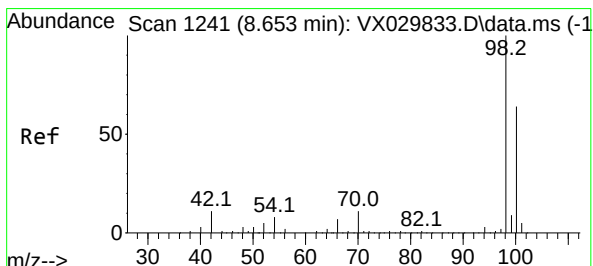
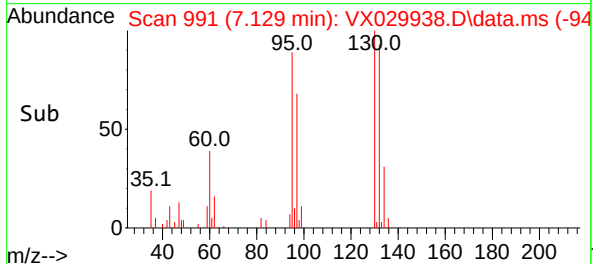
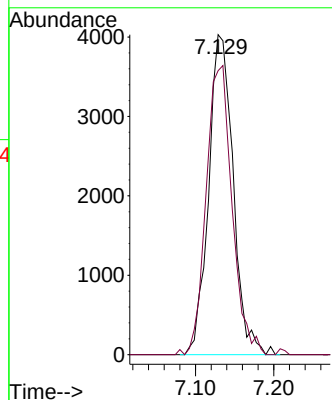
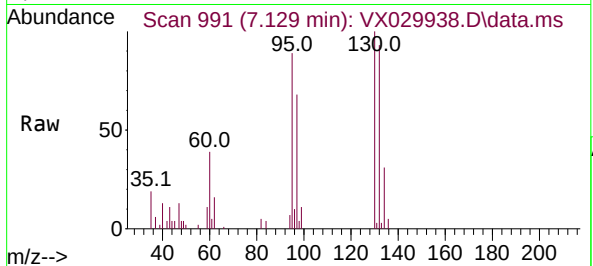




#44
 Trichloroethene
 Concen: 3.725 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: VX029938.D
 Acq: 06 Jul 2022 12:57

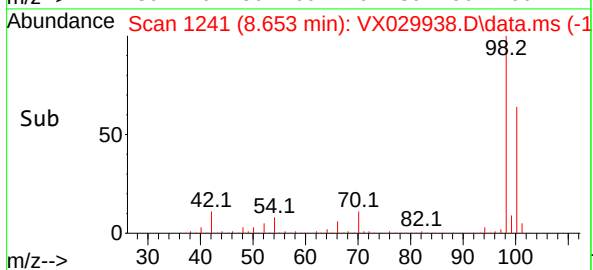
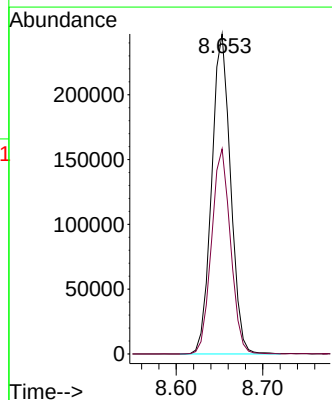
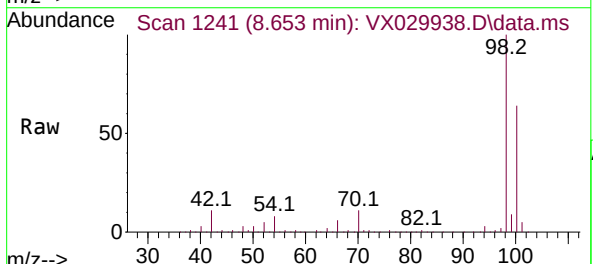
Instrument :
 MSVOA_X
 ClientSampleId :

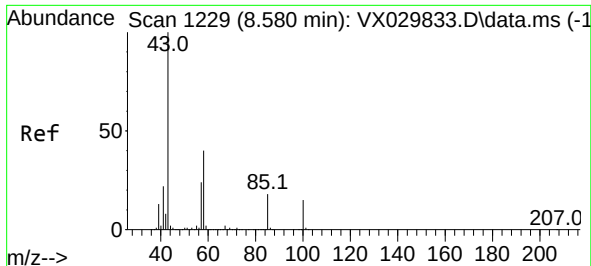
Tgt Ion:130 Resp: 8793
 Ion Ratio Lower Upper
 130 100
 95 87.1 0.0 194.8



#50
 Toluene-d8
 Concen: 48.892 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX029938.D
 Acq: 06 Jul 2022 12:57

Tgt Ion: 98 Resp: 373859
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.318 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029938.D

Acq: 06 Jul 2022 12:57

Instrument :

MSVOA_X

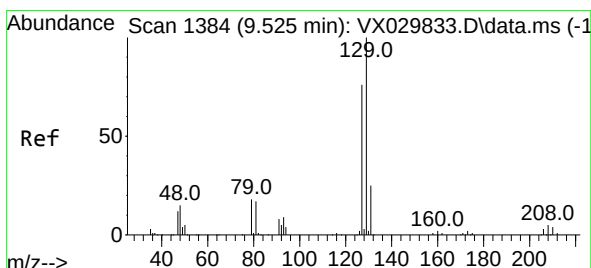
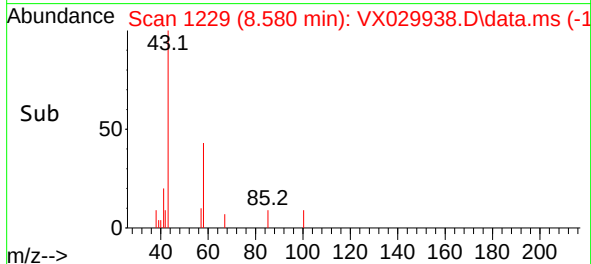
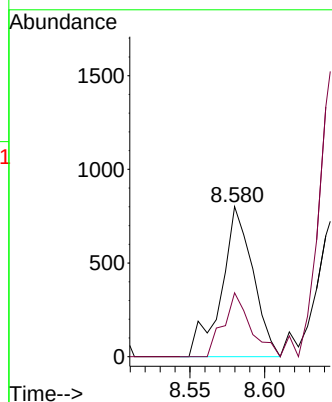
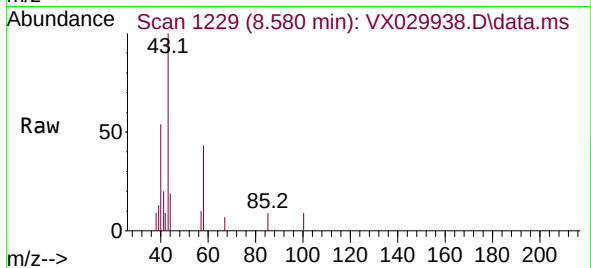
ClientSampleId :

Tgt Ion: 43 Resp: 1170

Ion Ratio Lower Upper

43 100

58 36.8 31.4 47.2



#60

Dibromochloromethane

Concen: 1.073 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX029938.D

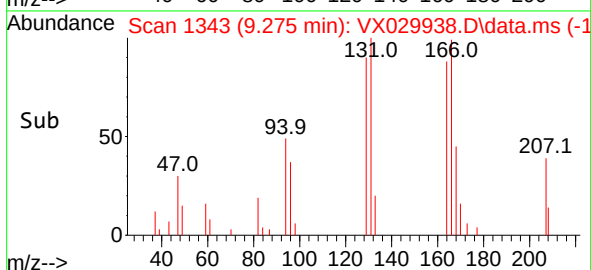
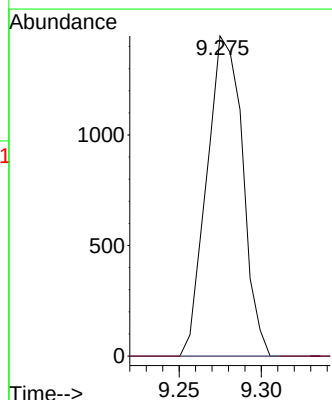
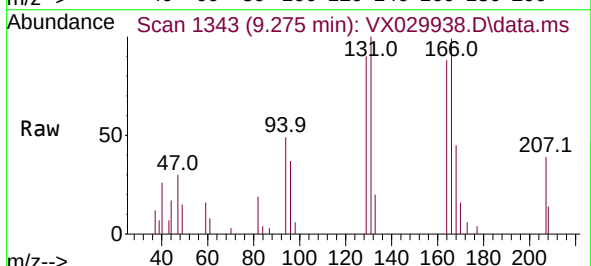
Acq: 06 Jul 2022 12:57

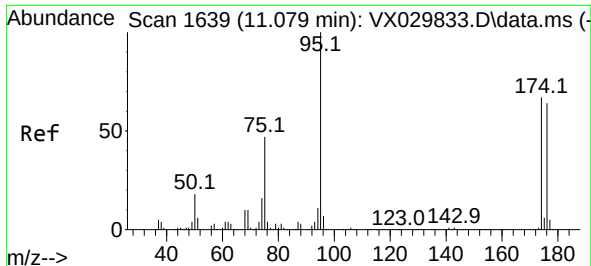
Tgt Ion: 129 Resp: 2185

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

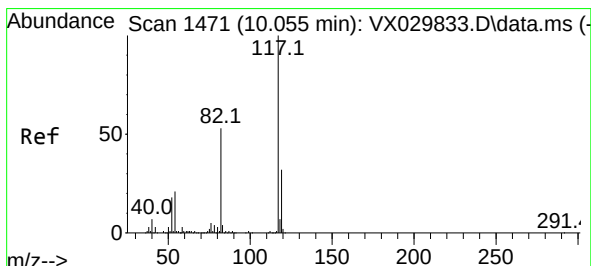
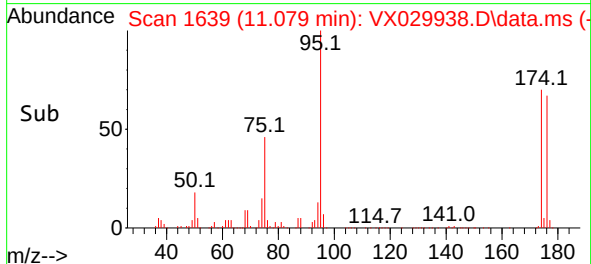
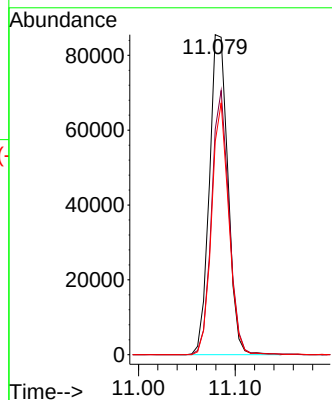
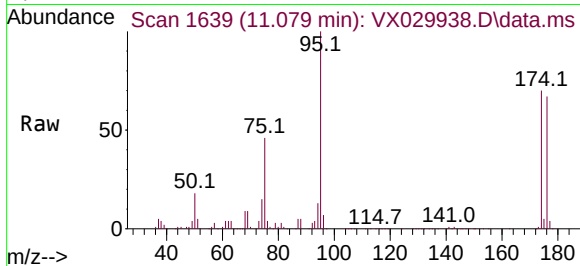




#62
4-Bromofluorobenzene
Concen: 42.196 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

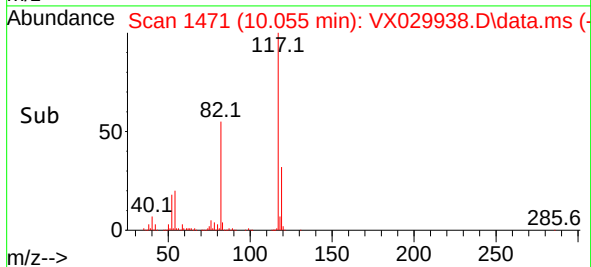
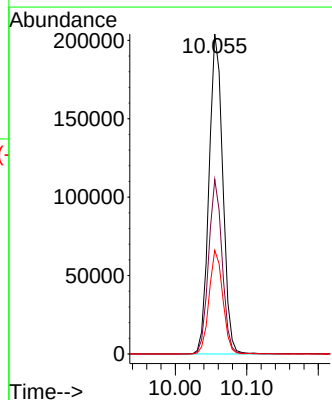
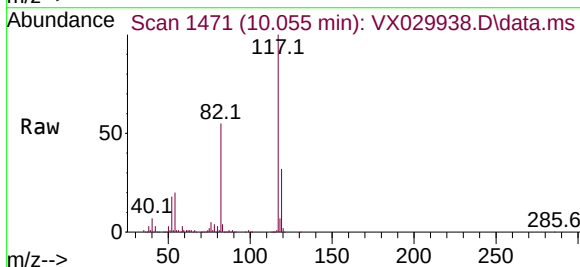
Instrument :
MSVOA_X
ClientSampleId :

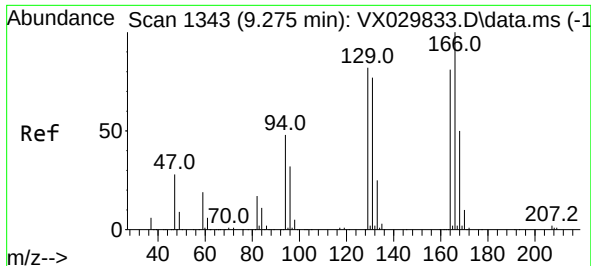
Tgt Ion: 95 Resp: 114054
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.0
176 73.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

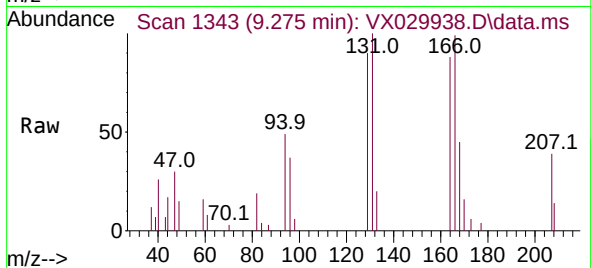
Tgt Ion: 117 Resp: 272677
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 32.4 25.4 38.2



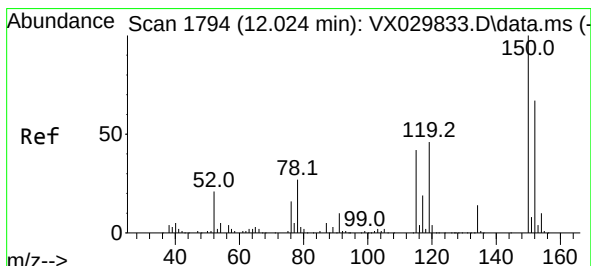
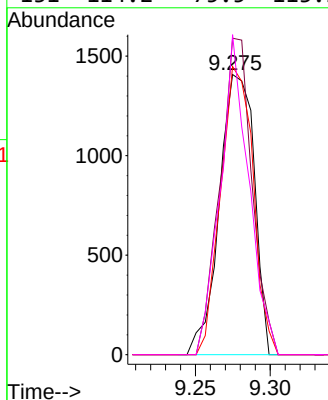
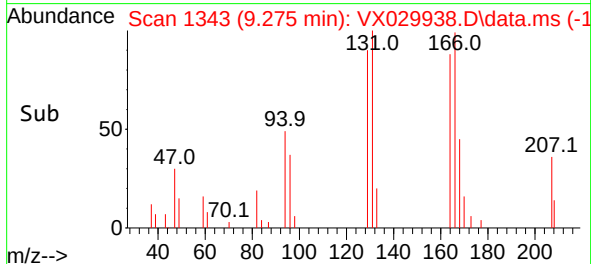


#64
Tetrachloroethene
Concen: 1.383 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

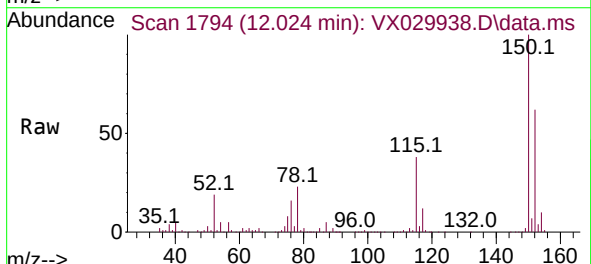
Instrument :
MSVOA_X
ClientSampleId :



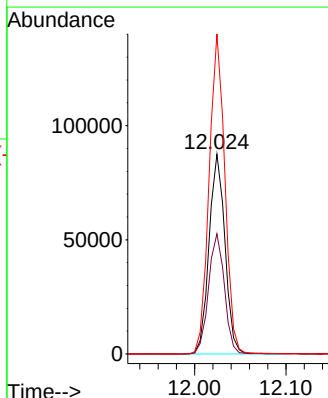
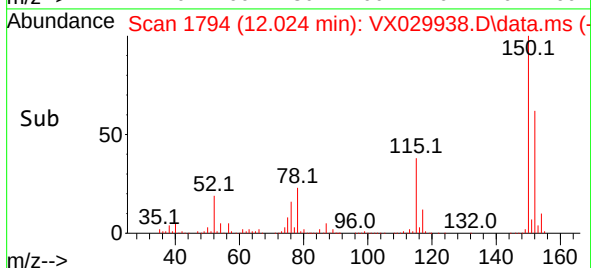
Tgt Ion:164 Resp: 2275
Ion Ratio Lower Upper
164 100
166 112.9 98.2 147.4
129 102.8 80.8 121.2
131 114.2 75.5 113.3#

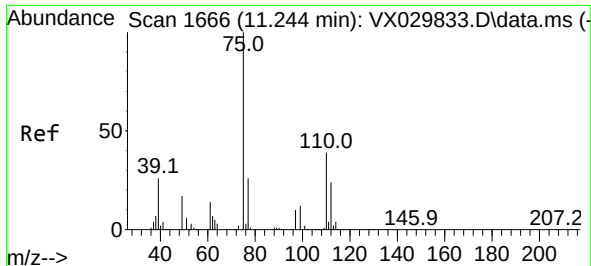


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57



Tgt Ion:152 Resp: 105570
Ion Ratio Lower Upper
152 100
115 60.0 40.5 121.5
150 158.6 0.0 347.0

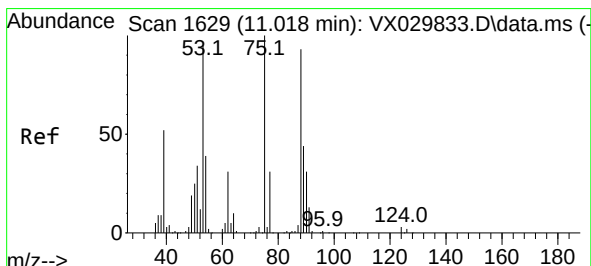
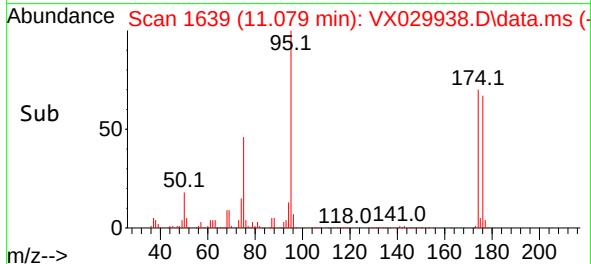
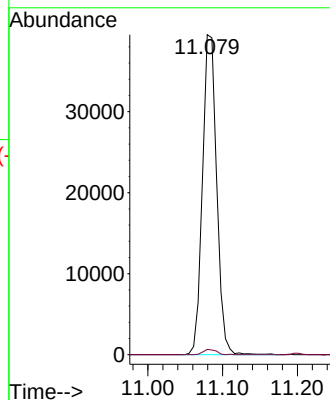
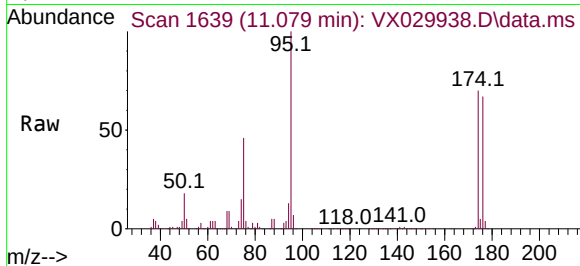




#76
1,2,3-Trichloropropane
Concen: 20.672 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 52242
Ion Ratio Lower Upper
75 100
77 1.6 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.649 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029938.D
Acq: 06 Jul 2022 12:57

Tgt Ion: 75 Resp: 52242
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

