

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029089.D
 Acq On : 31 May 2022 21:12
 Operator : JC/MD
 Sample : N3022-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525

Quant Time: Jun 01 05:01:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

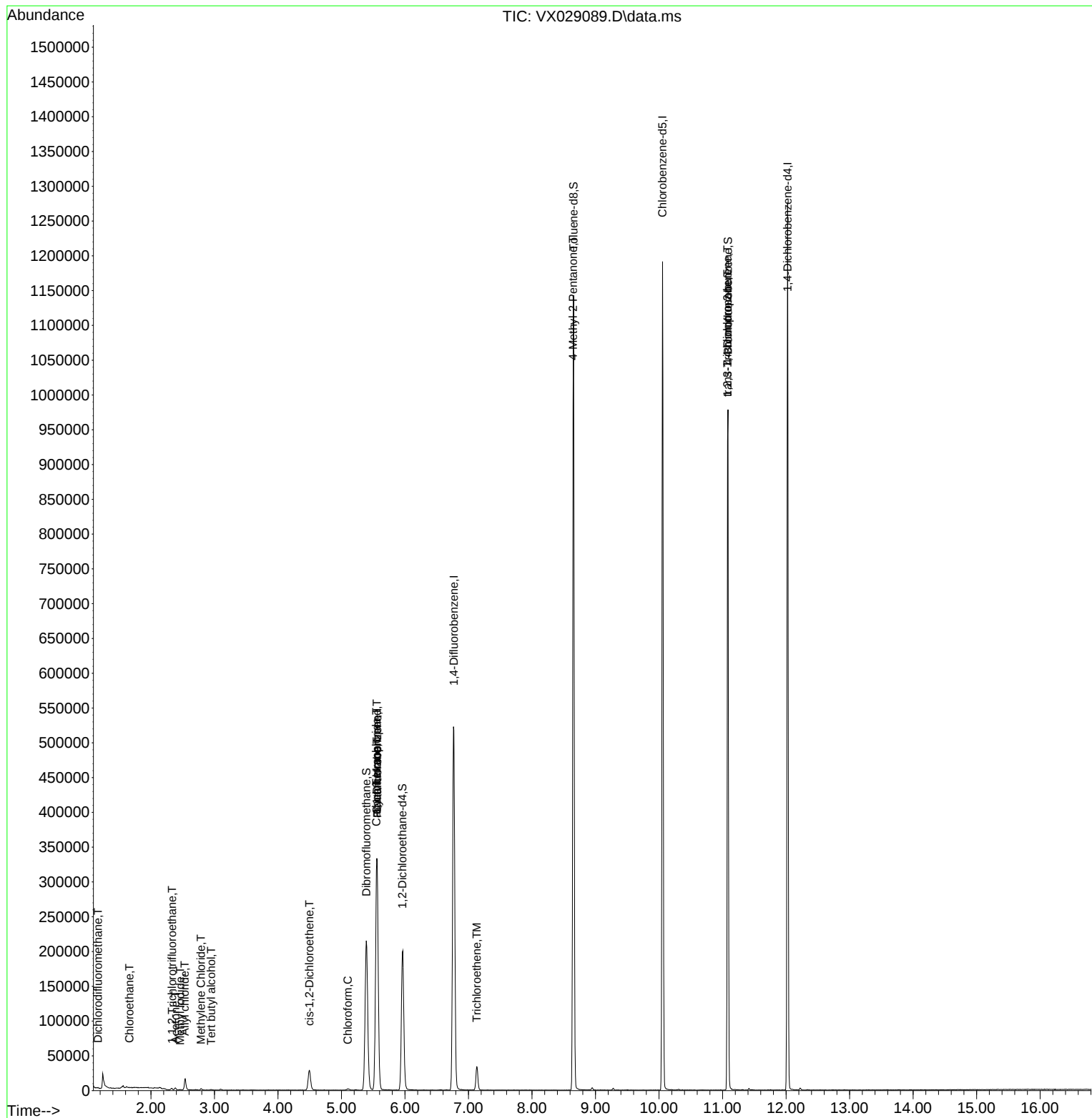
Internal Standards						
1) Pentafluorobenzene	5.562	168	337216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	586159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	273855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196378	51.643	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.280%			
35) Dibromofluoromethane	5.391	113	192598	49.468	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.940%			
50) Toluene-d8	8.653	98	681961	47.891	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.780%			
62) 4-Bromofluorobenzene	11.085	95	269117	48.891	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	787	0.268	ug/l	98
5) Bromomethane	1.611	94	737	Below Cal		89
6) Chloroethane	1.660	64	112	1.442	ug/l #	62
9) 1,1,2-Trichlorotrifluo...	2.331	101	639	0.205	ug/l	97
10) Methyl Iodide	2.459	142	522	4.353	ug/l #	90
11) Tert butyl alcohol	2.947	59	419	0.476	ug/l #	72
14) Allyl chloride	2.532	41	1533	0.336	ug/l #	56
16) Acetone	2.386	43	3123	2.086	ug/l	92
20) Methylene Chloride	2.788	84	953	0.273	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	20043	4.902	ug/l	85
30) Chloroform	5.099	83	2418	0.386	ug/l	94
31) Cyclohexane	5.556	56	5215	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22690	4.529	ug/l #	50
38) Carbon Tetrachloride	5.550	117	33951	5.930	ug/l #	16
44) Trichloroethene	7.129	130	14186	2.559	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2153	0.426	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	127279	22.927	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	127279	67.263	ug/l #	15
94) Hexachlorobutadiene	13.725	225	19	Below Cal	#	16

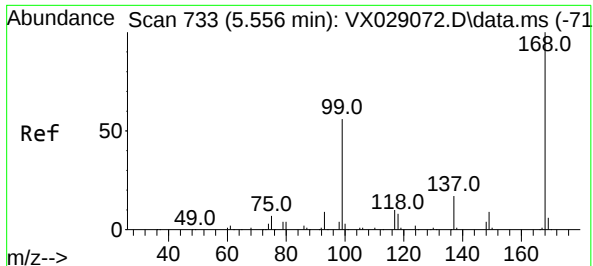
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jun 01 05:01:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
Response via : Initial Calibration

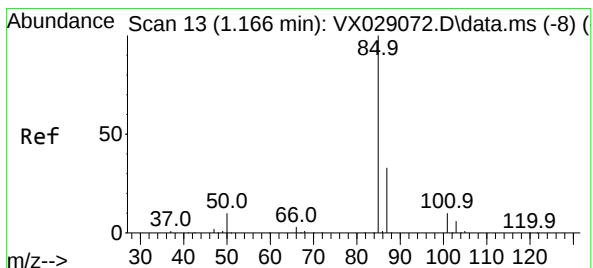
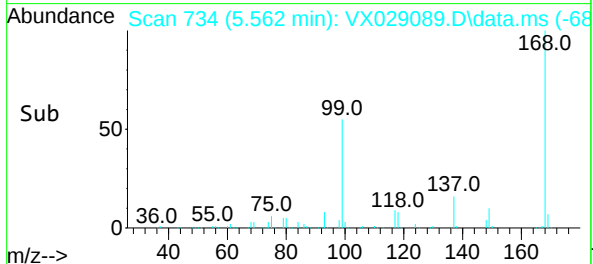
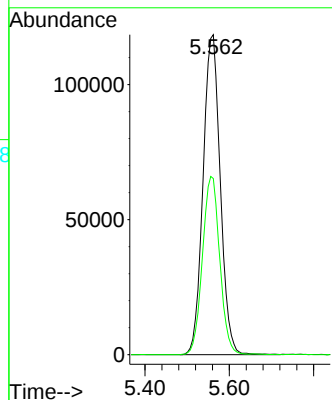
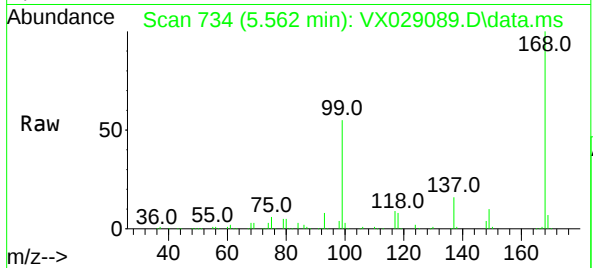




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

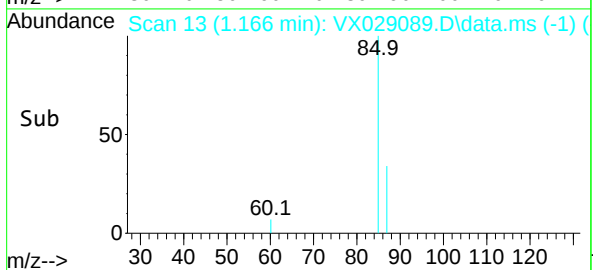
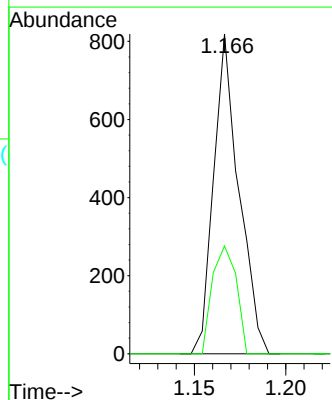
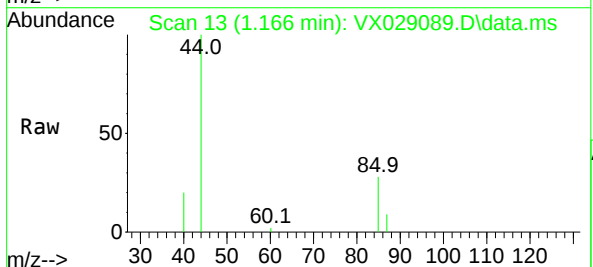
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

Tgt Ion:168 Resp: 337216
Ion Ratio Lower Upper
168 100
99 55.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.268 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 85 Resp: 787
Ion Ratio Lower Upper
85 100
87 33.7 16.2 48.6

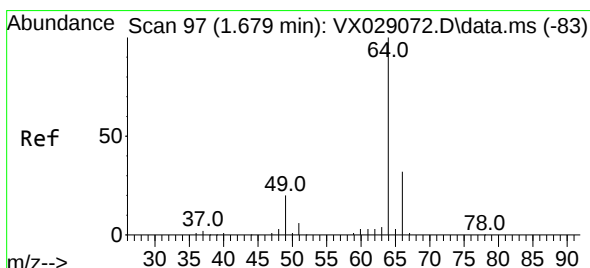
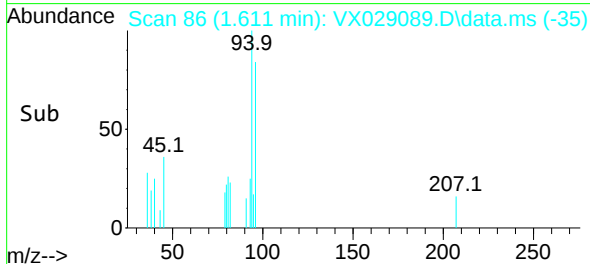
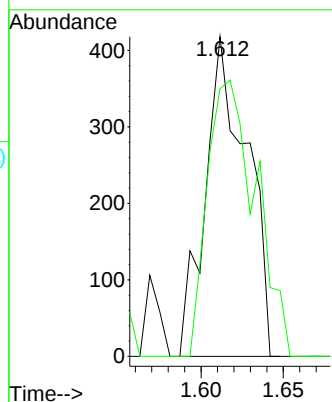
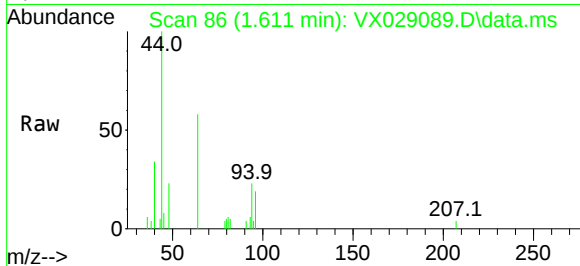




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

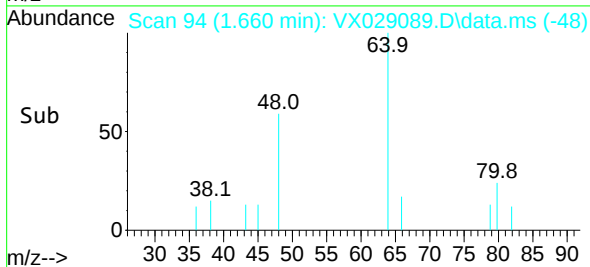
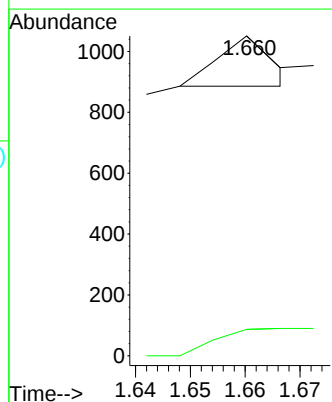
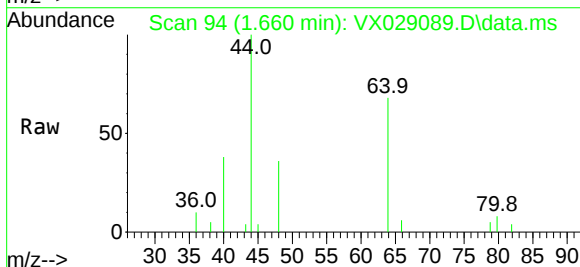
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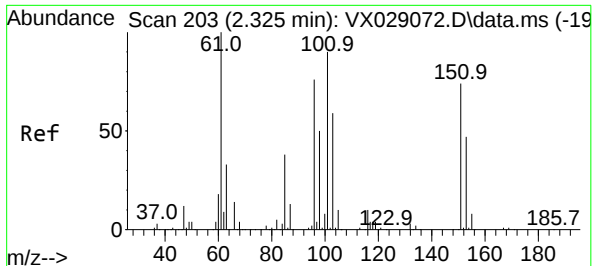
Tgt Ion: 94 Resp: 737
Ion Ratio Lower Upper
94 100
96 83.7 75.3 112.9



#6
Chloroethane
Concen: 1.442 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 52.7 25.3 37.9#

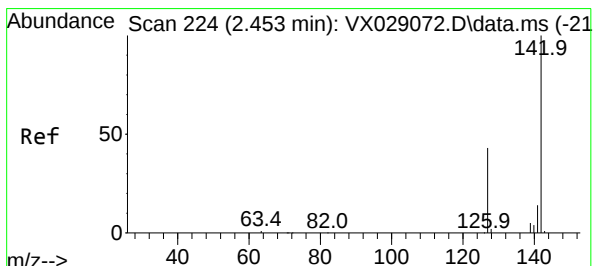
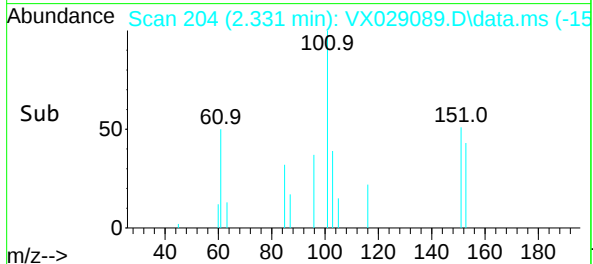
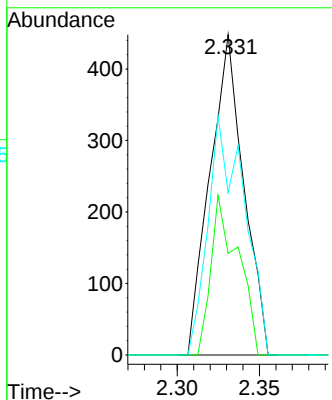
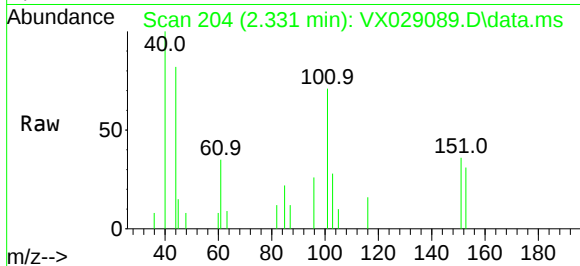




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.205 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

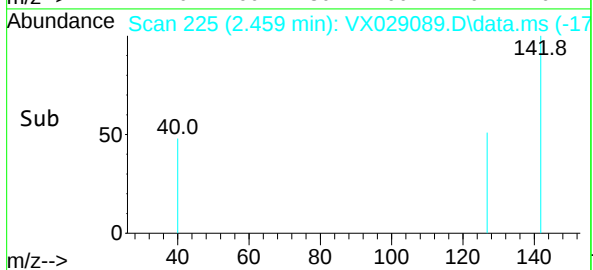
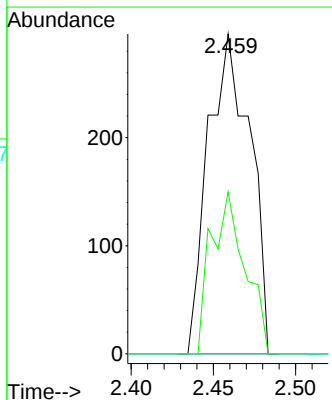
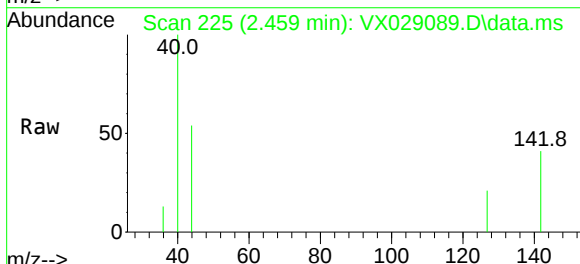
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

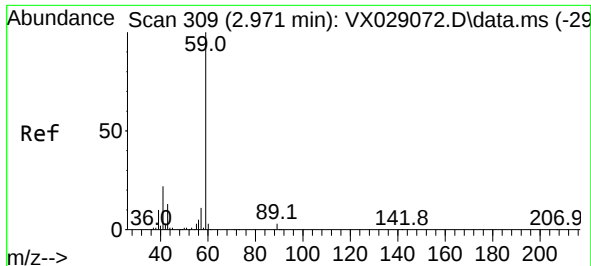
Tgt Ion:101 Resp: 639
Ion Ratio Lower Upper
101 100
85 39.7 33.5 50.3
151 79.8 61.8 92.6



#10
Methyl Iodide
Concen: 4.353 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 41.4 33.9 50.9
141 0.0 11.4 17.2#

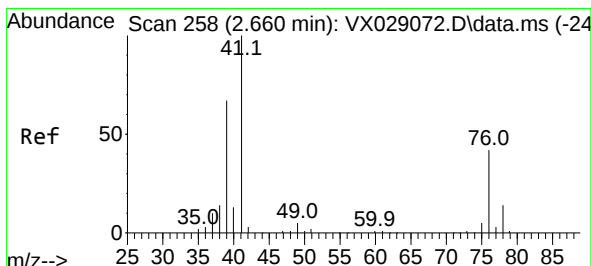
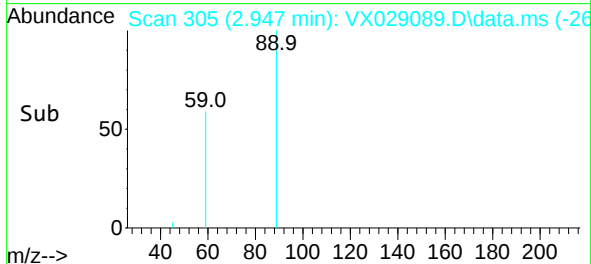
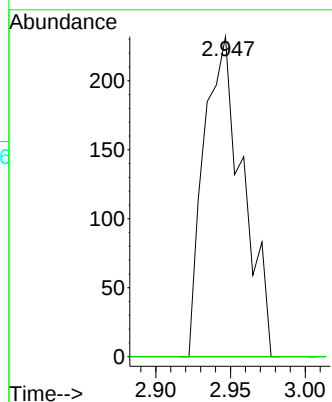
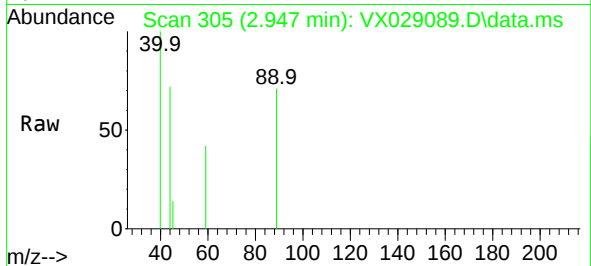




#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 2.947 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

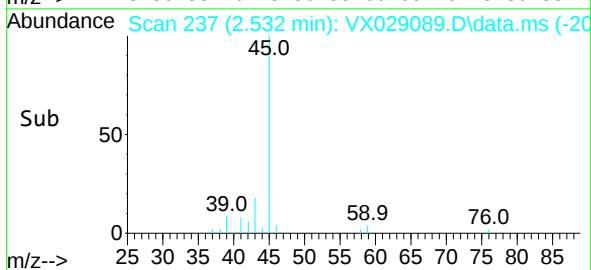
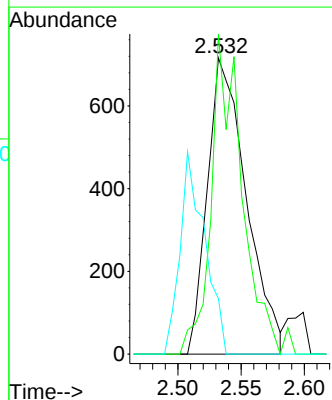
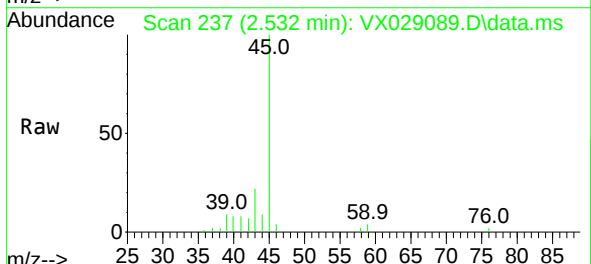
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

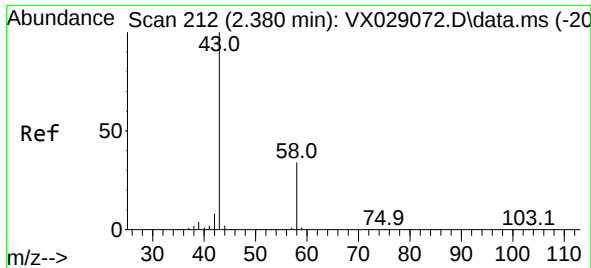
Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.336 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.128 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 41 Resp: 1533
Ion Ratio Lower Upper
41 100
39 86.1 50.4 75.6#
76 0.0 32.7 49.1#

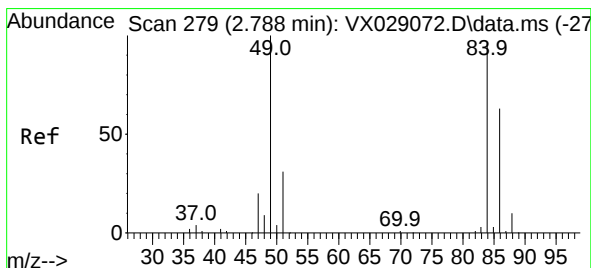
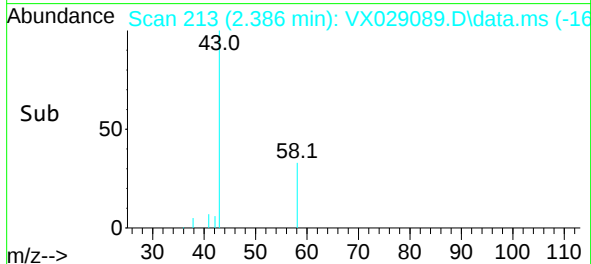
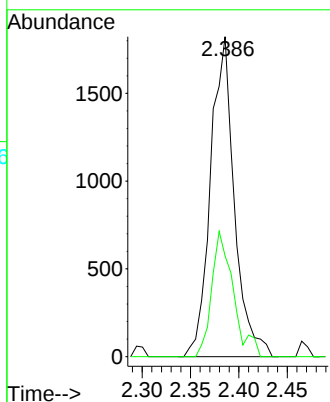
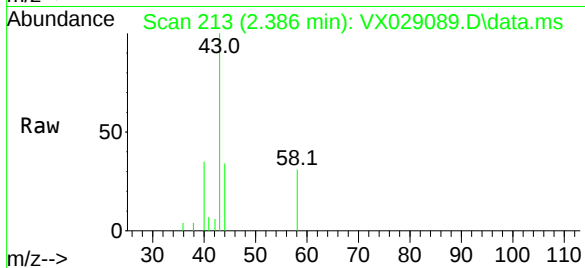




#16
Acetone
Concen: 2.086 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

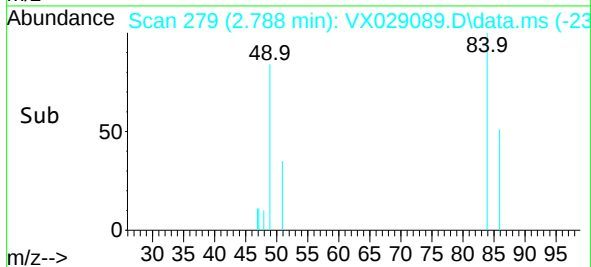
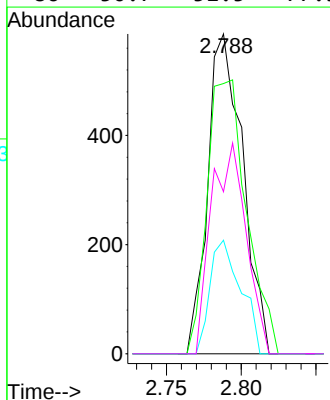
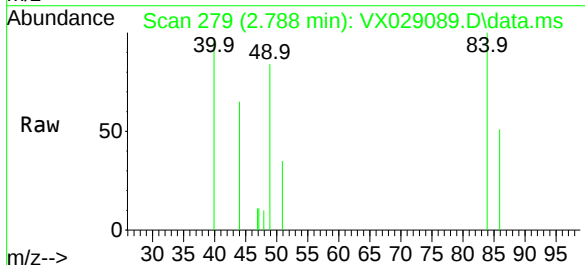
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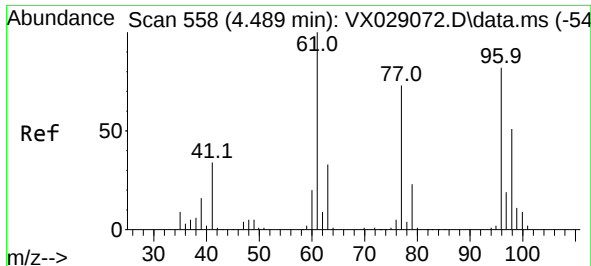
Tgt Ion: 43 Resp: 3123
Ion Ratio Lower Upper
43 100
58 31.5 28.8 43.2



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 84 Resp: 953
Ion Ratio Lower Upper
84 100
49 84.5 85.5 128.3#
51 35.5 26.6 39.8
86 50.7 51.5 77.3#

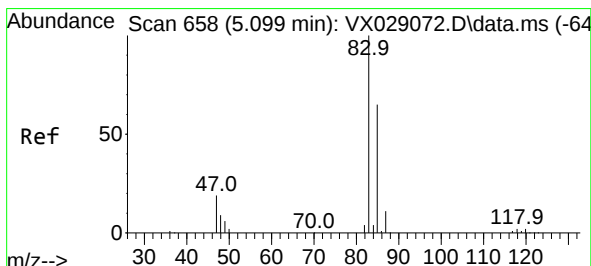
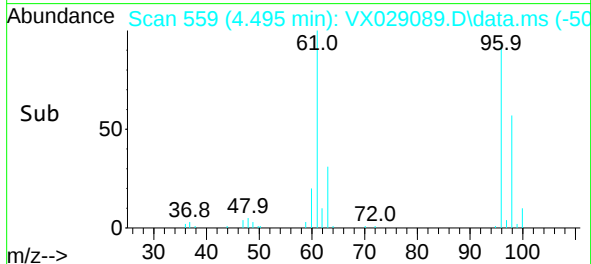
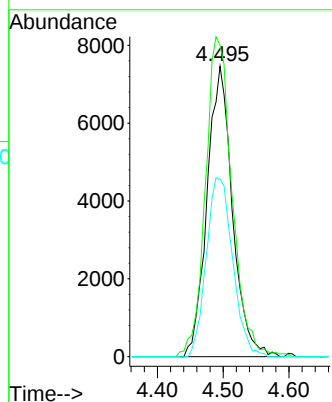
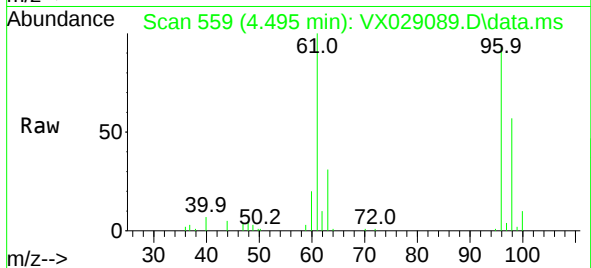




#27
 cis-1,2-Dichloroethene
 Concen: 4.902 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX029089.D
 Acq: 31 May 2022 21:12

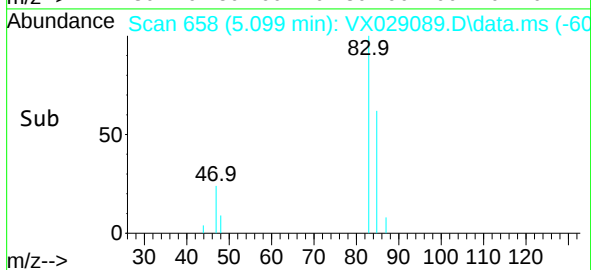
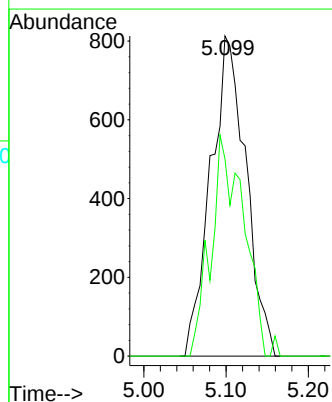
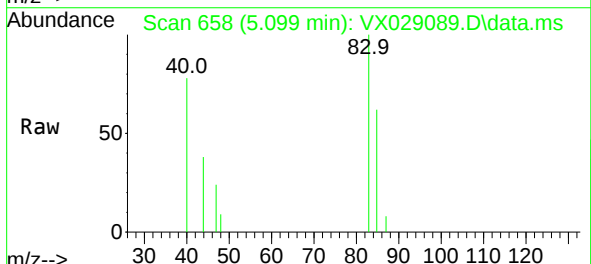
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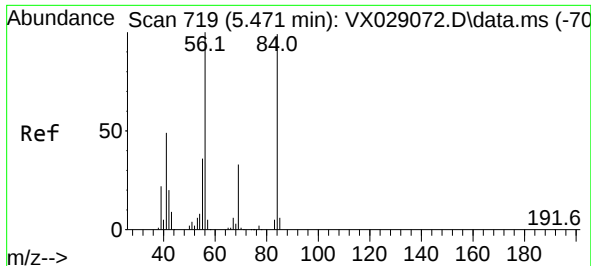
Tgt Ion: 96 Resp: 20043
 Ion Ratio Lower Upper
 96 100
 61 115.7 0.0 283.8
 98 64.1 0.0 129.8



#30
 Chloroform
 Concen: 0.386 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. -0.000 min
 Lab File: VX029089.D
 Acq: 31 May 2022 21:12

Tgt Ion: 83 Resp: 2418
 Ion Ratio Lower Upper
 83 100
 85 61.5 52.7 79.1

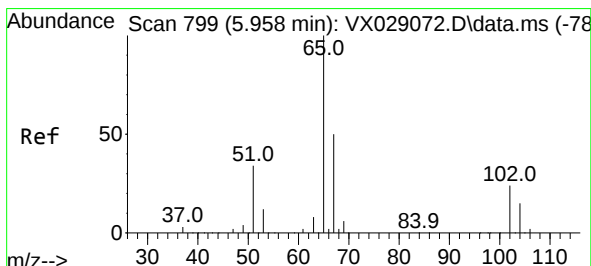
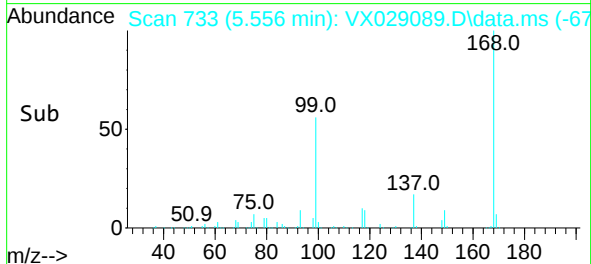
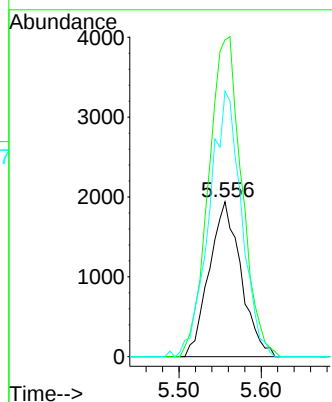
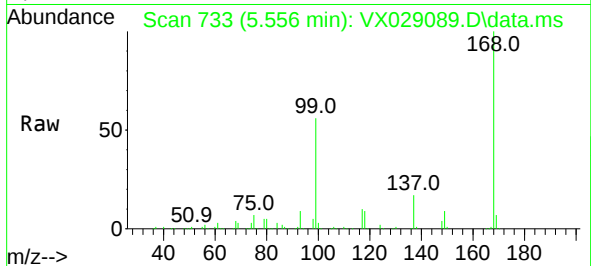




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

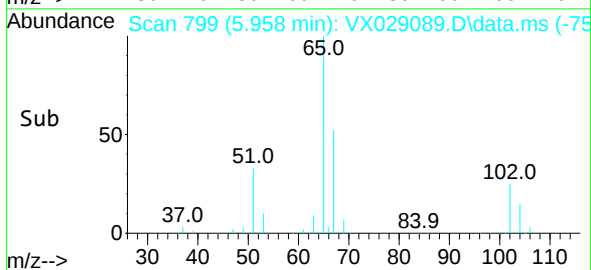
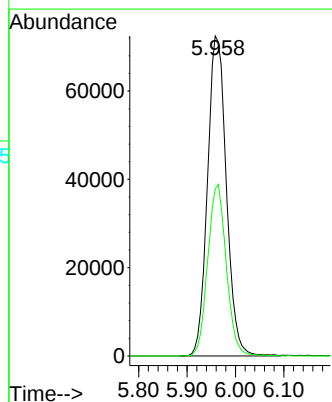
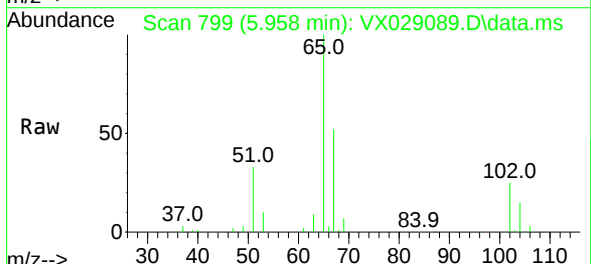
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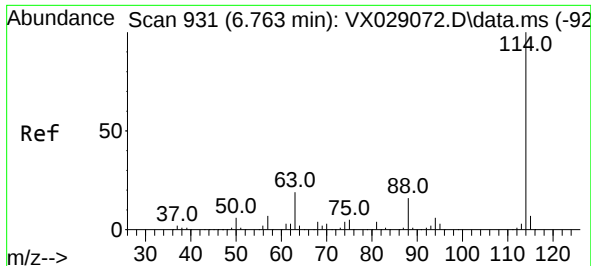
Tgt Ion: 56 Resp: 5215
Ion Ratio Lower Upper
56 100
69 204.5 26.7 40.1#
84 171.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.643 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 65 Resp: 196378
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

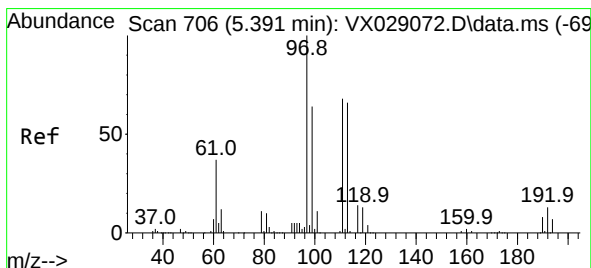
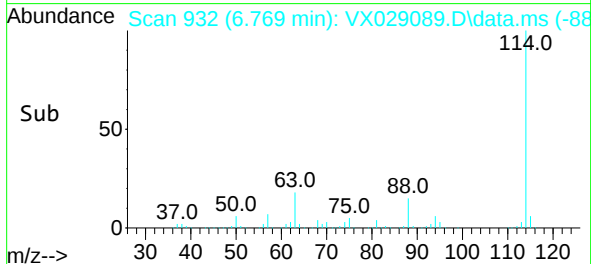
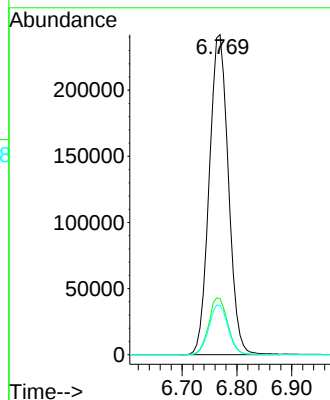
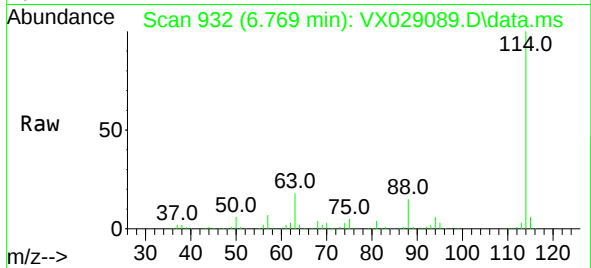




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

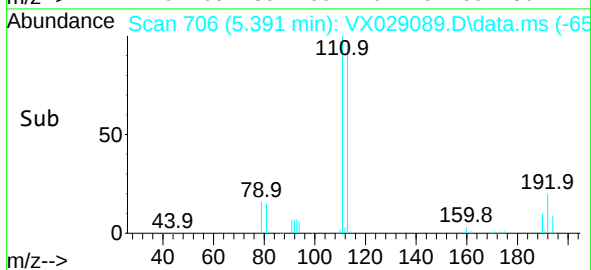
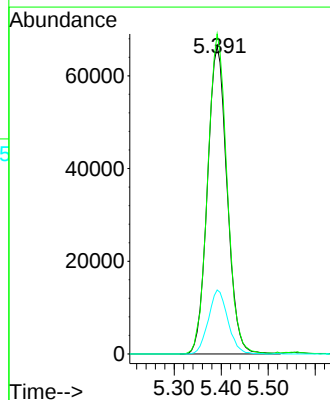
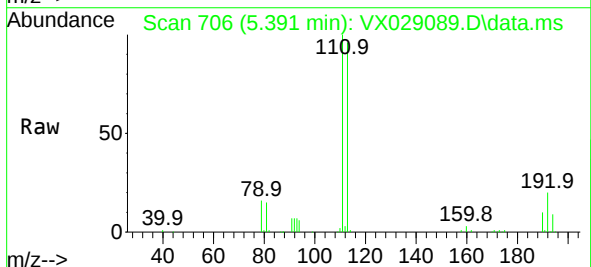
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

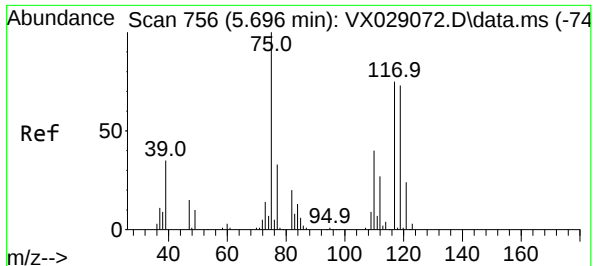
Tgt Ion:114 Resp: 586159
Ion Ratio Lower Upper
114 100
63 17.5 0.0 36.8
88 15.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.468 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion:113 Resp: 192598
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX029089.D

Acq: 31 May 2022 21:12

Instrument :

MSVOA_X

ClientSampleId :

22BR-20220525

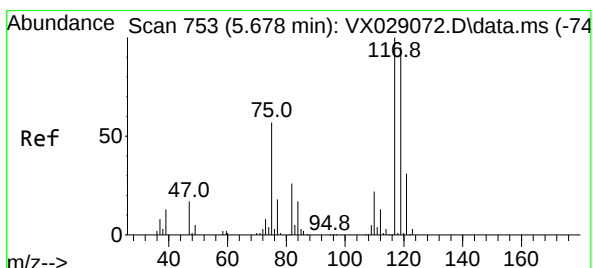
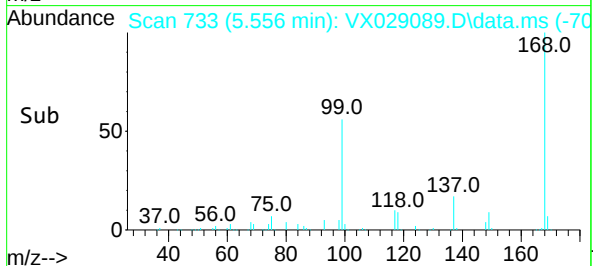
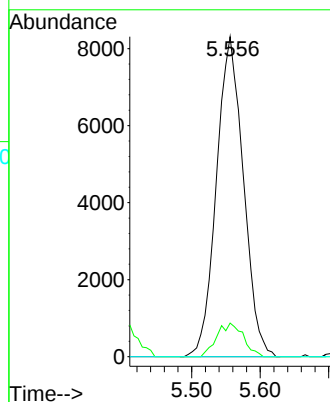
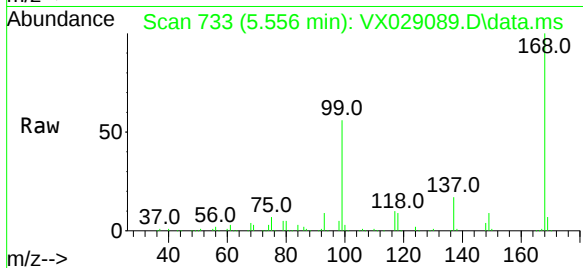
Tgt Ion: 75 Resp: 22690

Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX029089.D

Acq: 31 May 2022 21:12

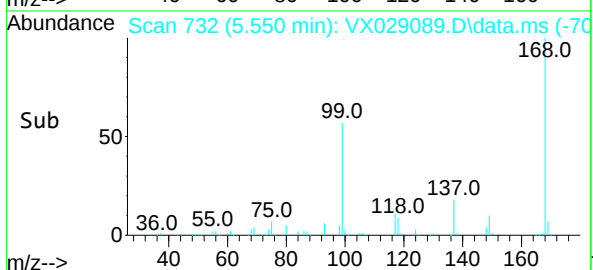
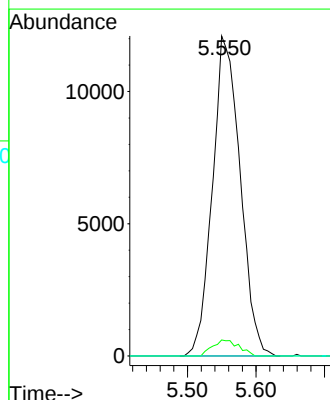
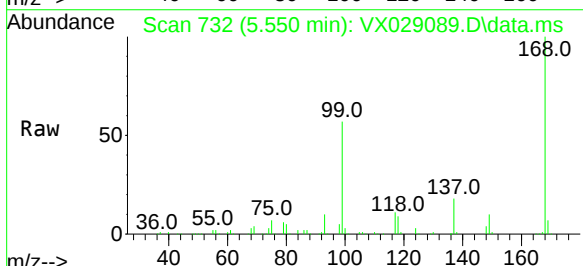
Tgt Ion: 117 Resp: 33951

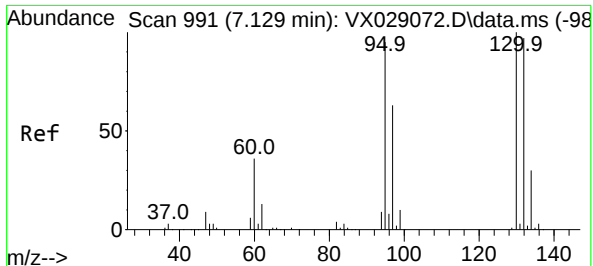
Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 24.2 36.2#

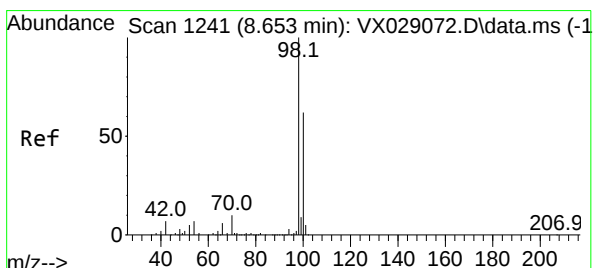
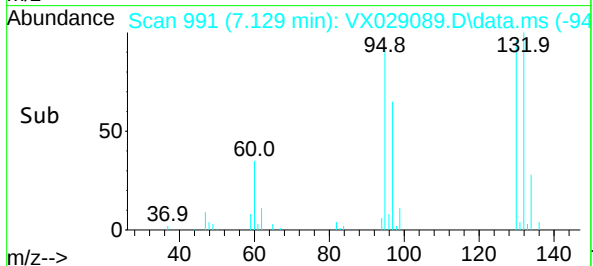
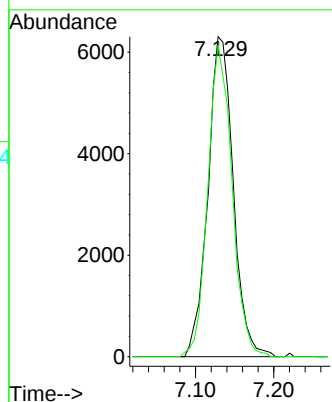
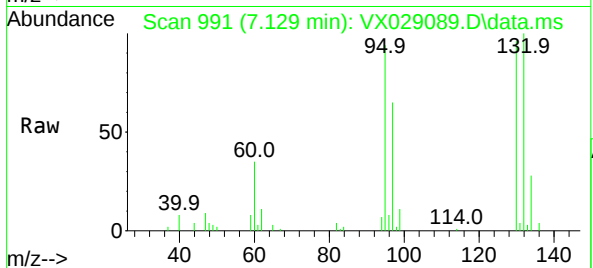




#44
Trichloroethene
Concen: 2.559 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

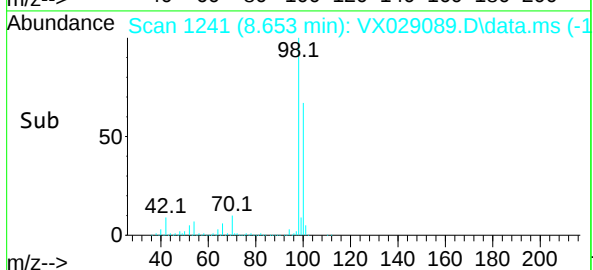
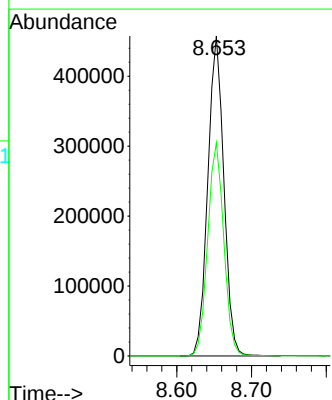
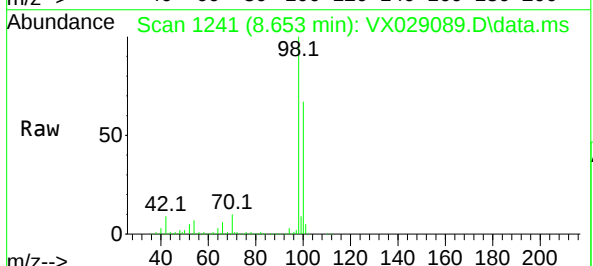
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

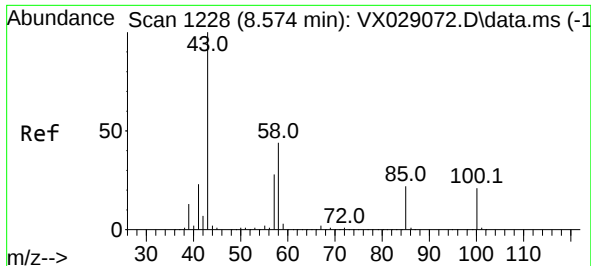
Tgt Ion:130 Resp: 14186
Ion Ratio Lower Upper
130 100
95 97.2 0.0 188.8



#50
Toluene-d8
Concen: 47.891 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion: 98 Resp: 681961
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

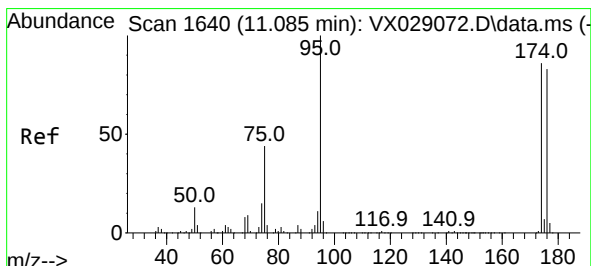
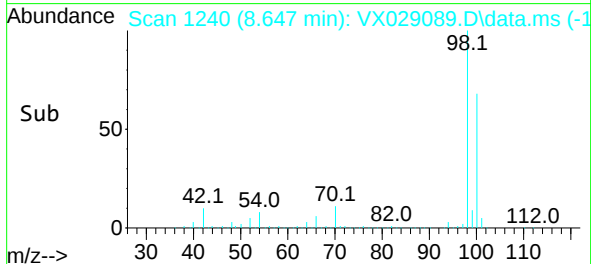
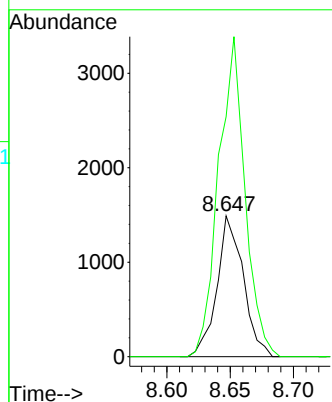
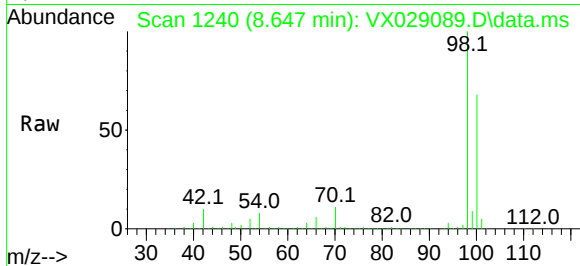




#51
 4-Methyl-2-Pentanone
 Concen: 0.426 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX029089.D
 Acq: 31 May 2022 21:12

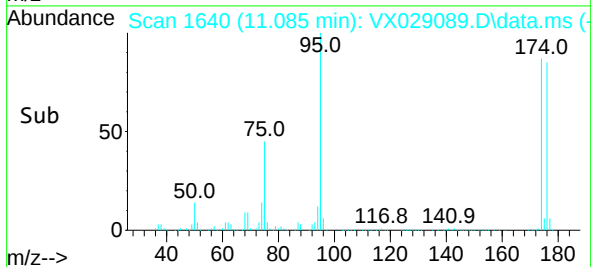
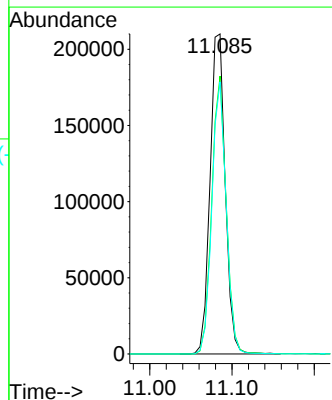
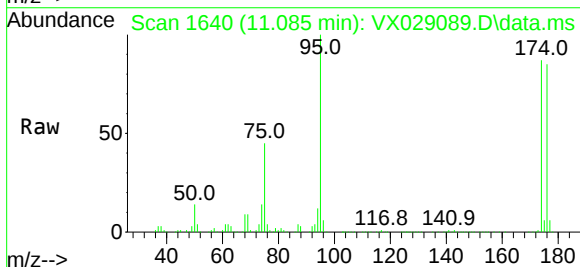
Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525

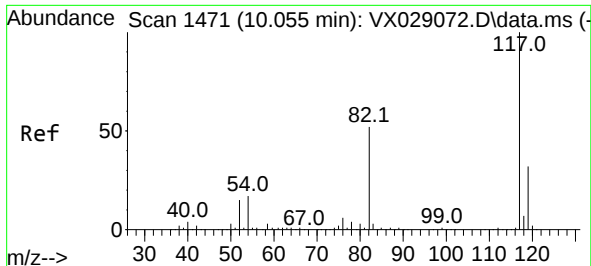
Tgt Ion: 43 Resp: 2153
 Ion Ratio Lower Upper
 43 100
 58 229.0 36.1 54.1#



#62
 4-Bromofluorobenzene
 Concen: 48.891 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VX029089.D
 Acq: 31 May 2022 21:12

Tgt Ion: 95 Resp: 269117
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 163.0
 176 80.6 0.0 155.0

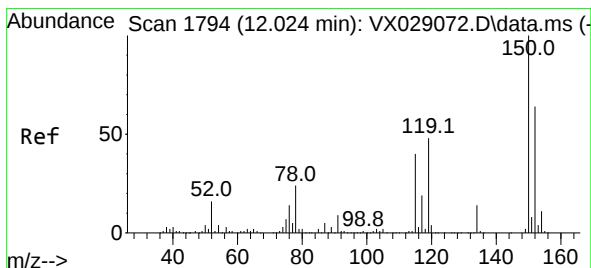
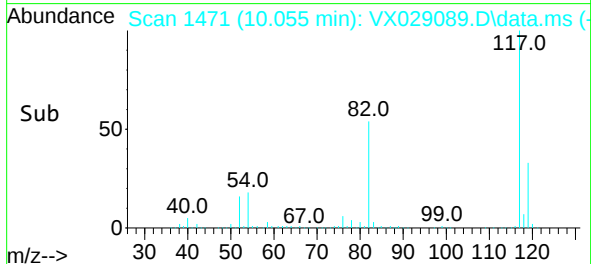
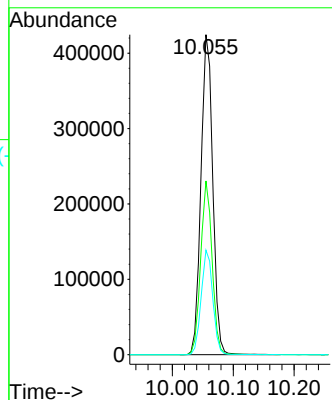
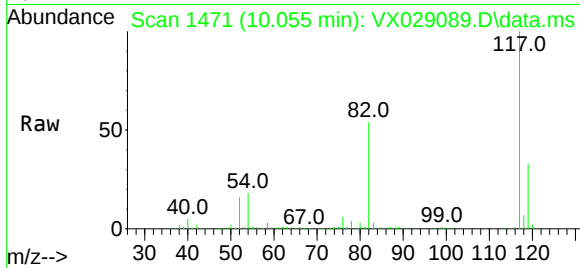




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

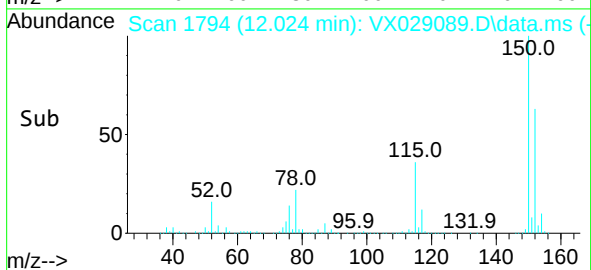
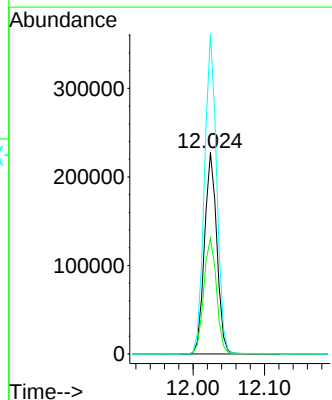
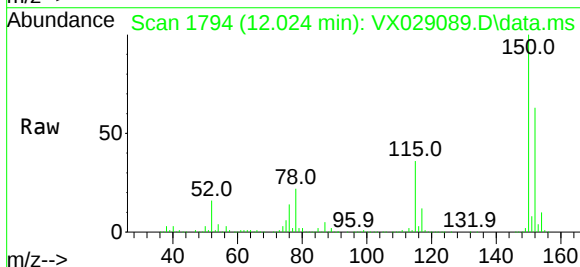
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

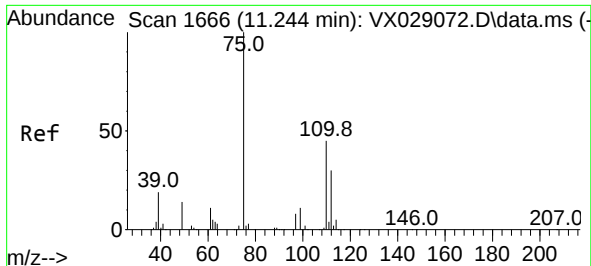
Tgt Ion:117 Resp: 570181
Ion Ratio Lower Upper
117 100
82 54.3 41.8 62.8
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

Tgt Ion:152 Resp: 273855
Ion Ratio Lower Upper
152 100
115 59.1 37.5 112.7
150 156.9 0.0 338.2

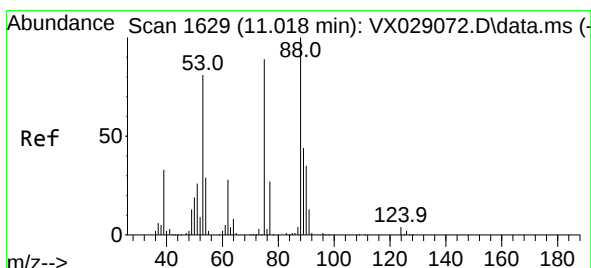
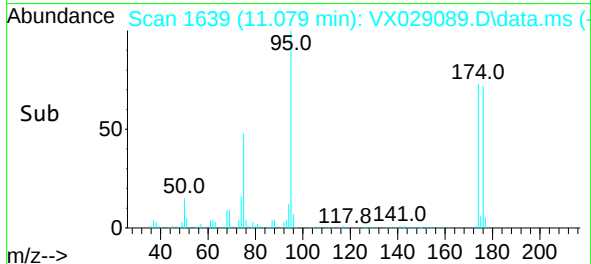
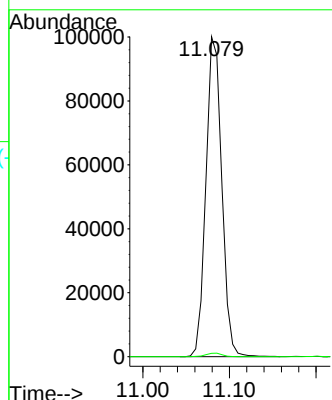
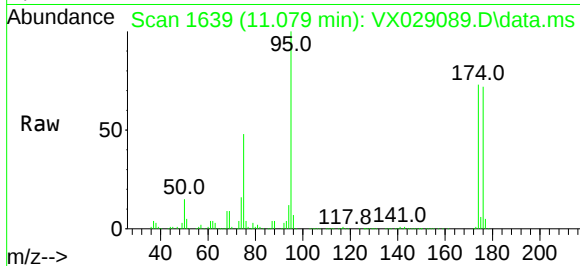




#76
1,2,3-Trichloropropane
Concen: 22.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

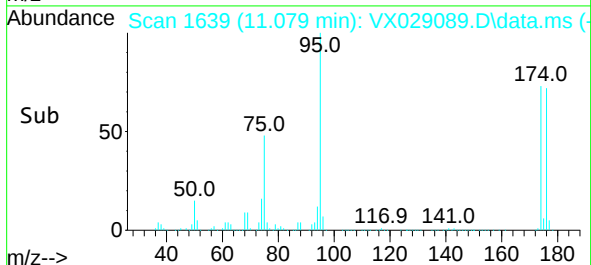
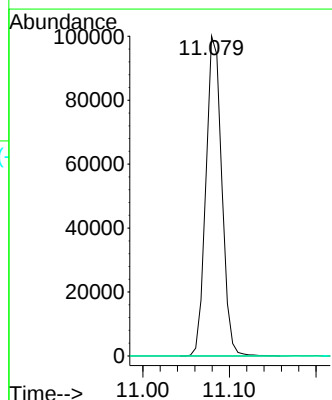
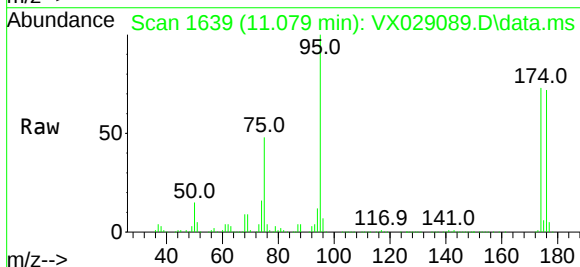
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

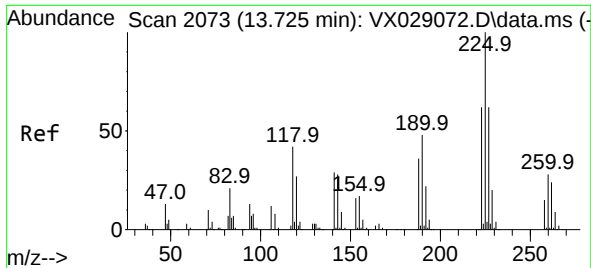
Tgt Ion: 75 Resp: 127279
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029089.D
Acq: 31 May 2022 21:12

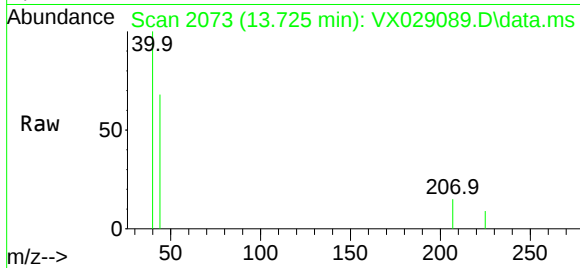
Tgt Ion: 75 Resp: 127279
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX029089.D
 Acq: 31 May 2022 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525



Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	34.2	102.5#
227	0.0	33.9	101.7#

