

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029192.D
 Acq On : 03 Jun 2022 16:02
 Operator : JC/MD
 Sample : N3164-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31S-20220531

Quant Time: Jun 06 02:35:37 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)

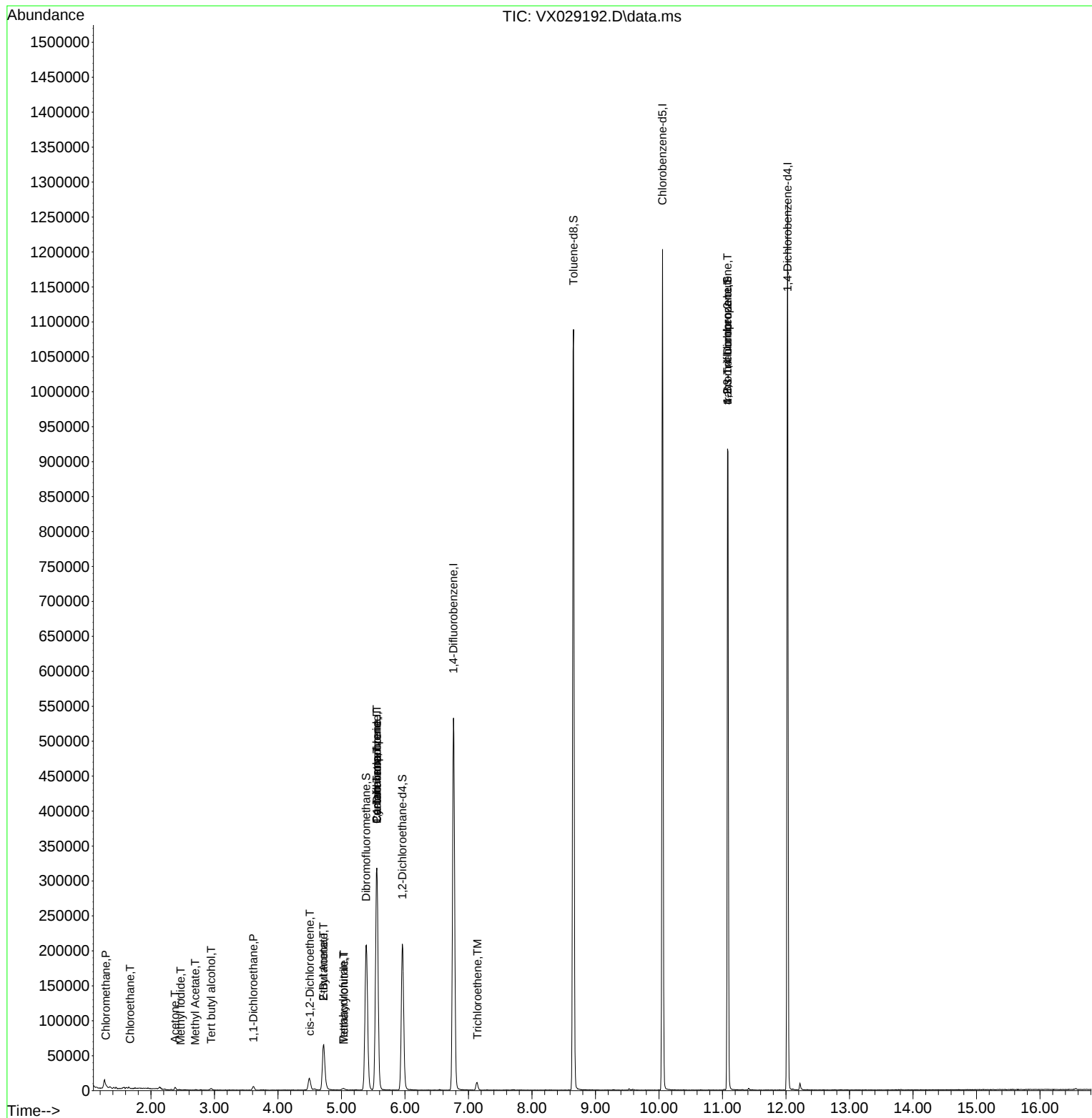
Internal Standards						
1) Pentafluorobenzene	5.556	168	303028	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	571339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	551988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200805	58.765	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.540%
35) Dibromofluoromethane	5.385	113	189484	49.930	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.860%
50) Toluene-d8	8.653	98	675229	48.648	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.300%
62) 4-Bromofluorobenzene	11.079	95	268287	50.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	678	0.246	ug/l	# 77
5) Bromomethane	1.618	94	866	Below Cal	#	70
6) Chloroethane	1.673	64	466	1.575	ug/l	94
10) Methyl Iodide	2.465	142	592	4.385	ug/l	# 72
11) Tert butyl alcohol	2.947	59	1759	2.222	ug/l	# 72
16) Acetone	2.380	43	3989	2.965	ug/l	# 84
18) Methyl Acetate	2.697	43	850	0.244	ug/l	# 80
24) 1,1-Dichloroethane	3.611	63	5775	1.138	ug/l	# 95
25) 2-Butanone	4.715	43	111218	51.240	ug/l	# 44
27) cis-1,2-Dichloroethene	4.501	96	11655	3.172	ug/l	87
29) Tetrahydrofuran	5.032	42	2340	1.681	ug/l	# 71
31) Cyclohexane	5.556	56	5761	1.297	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	23080	4.727	ug/l	# 49
37) Ethyl Acetate	4.715	43	111781	23.621	ug/l	99
38) Carbon Tetrachloride	5.556	117	31532	5.650	ug/l	# 16
41) Methacrylonitrile	5.038	41	1266	0.495	ug/l	# 18
44) Trichloroethene	7.141	130	4692	0.398	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	130179	25.137	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	130179	73.748	ug/l	# 15

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

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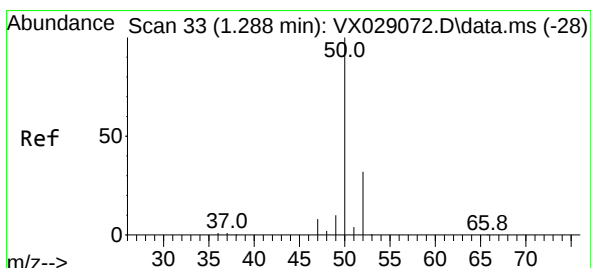
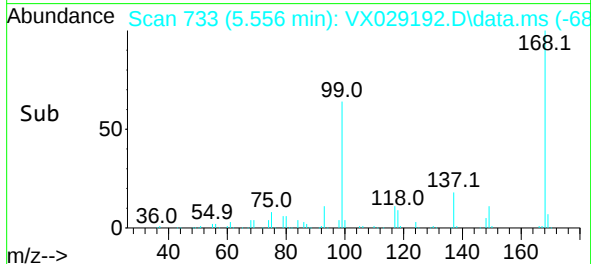
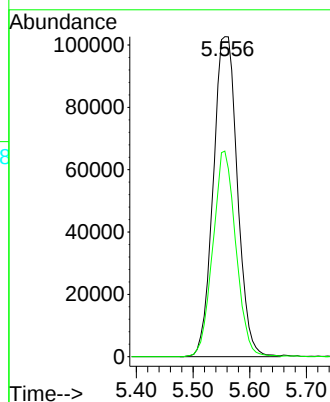
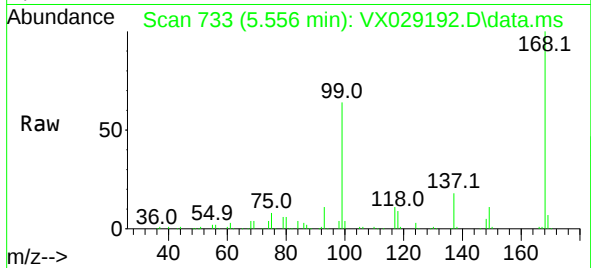




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

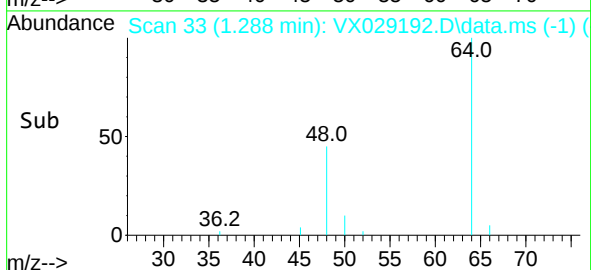
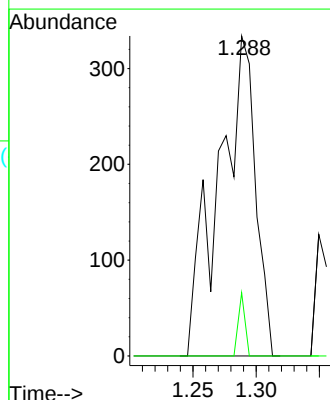
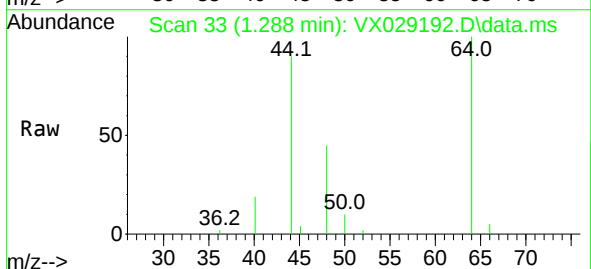
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

Tgt Ion:168 Resp: 303028
Ion Ratio Lower Upper
168 100
99 64.3 41.7 62.5#



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 50 Resp: 678
Ion Ratio Lower Upper
50 100
52 19.8 26.4 39.6#

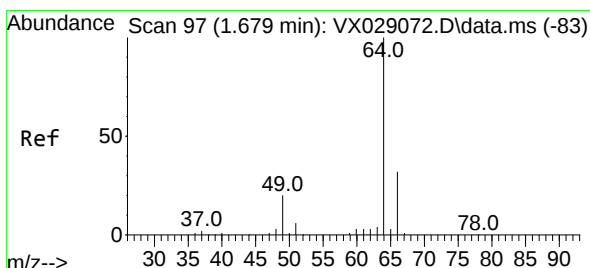
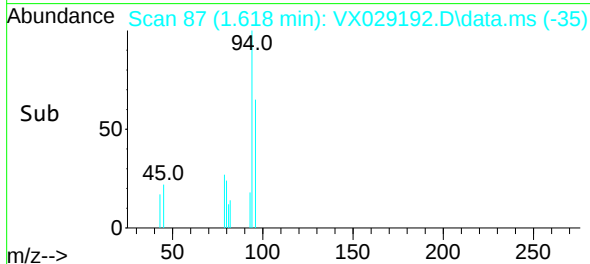
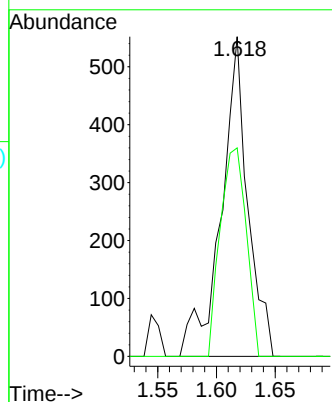
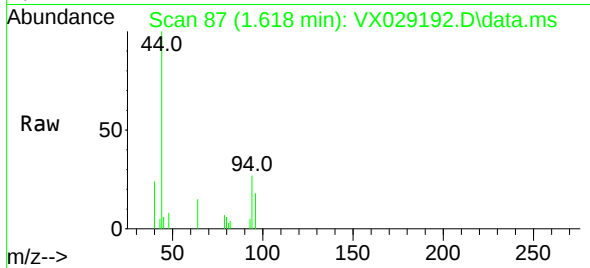




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

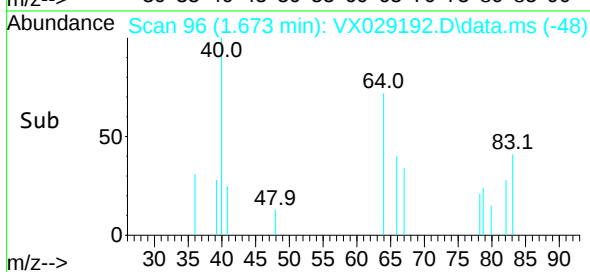
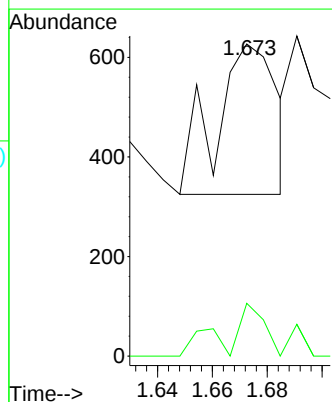
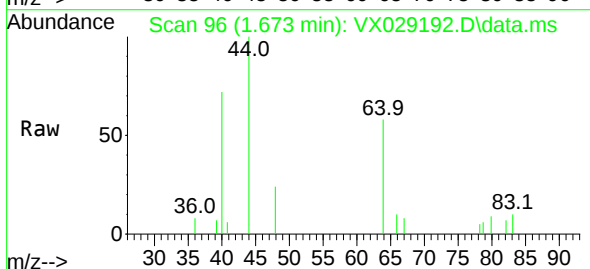
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

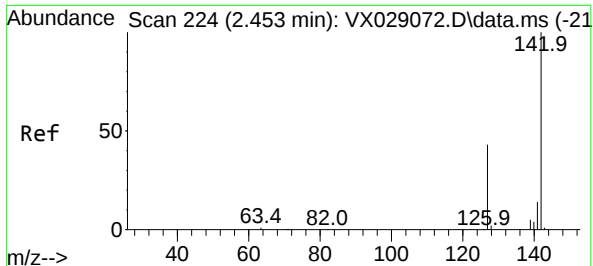
Tgt Ion: 94 Resp: 866
Ion Ratio Lower Upper
94 100
96 65.2 75.3 112.9#



#6
Chloroethane
Concen: 1.575 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 35.1 25.3 37.9

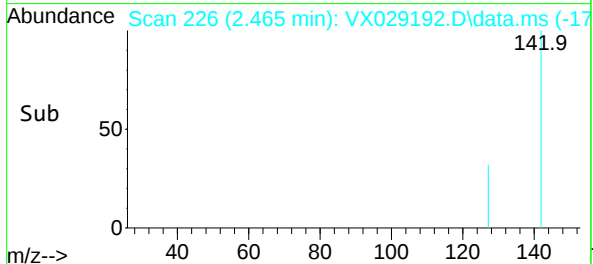
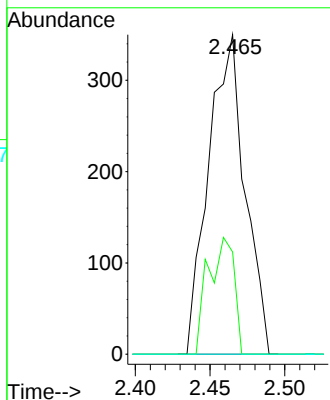
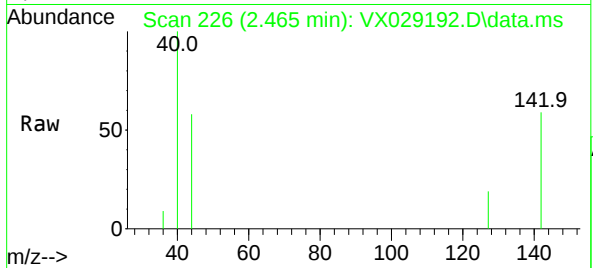




#10
Methyl Iodide
Concen: 4.385 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

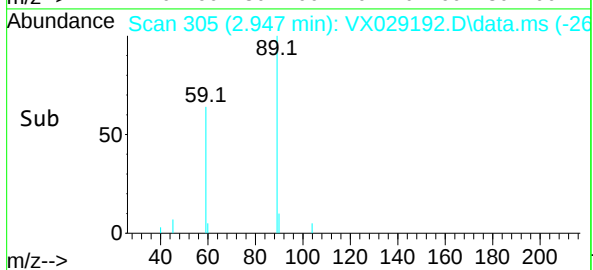
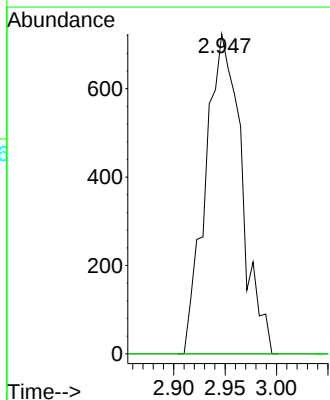
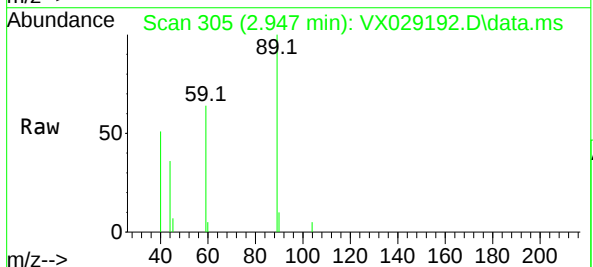
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

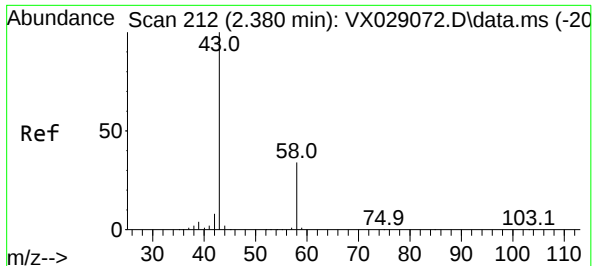
Tgt Ion:142 Resp: 592
Ion Ratio Lower Upper
142 100
127 26.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.222 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 59 Resp: 1759
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

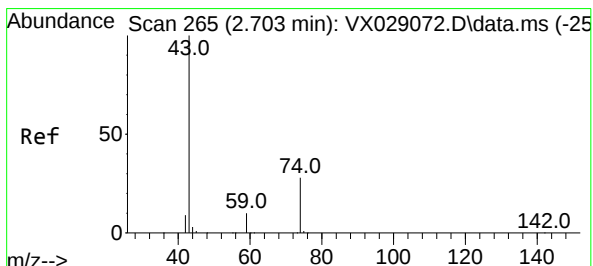
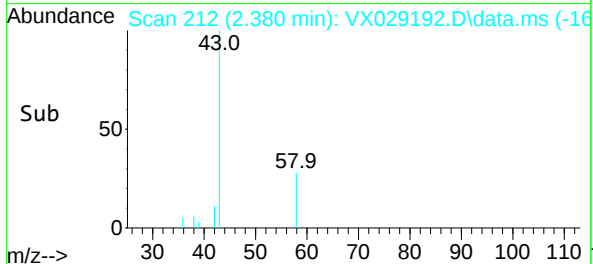
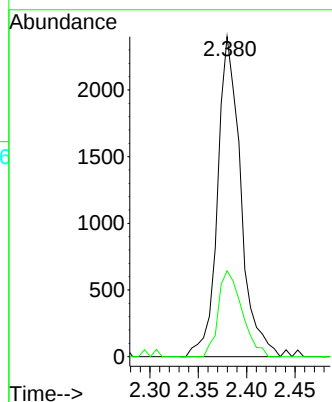
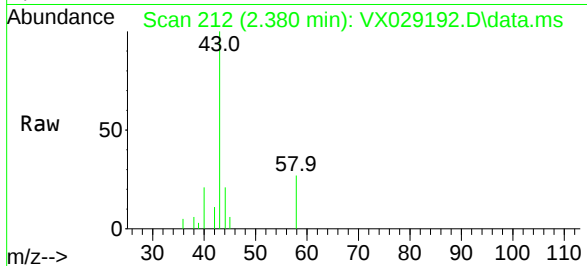




#16
Acetone
Concen: 2.965 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

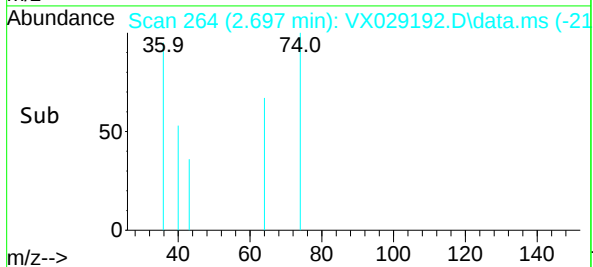
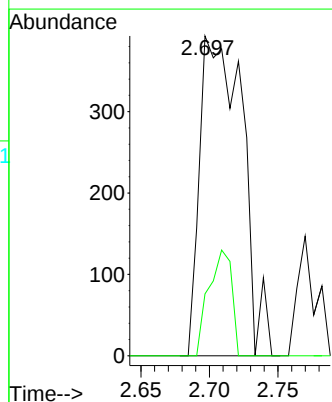
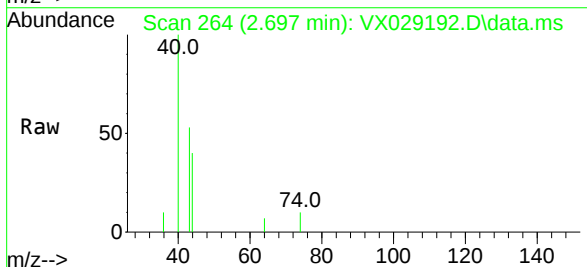
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

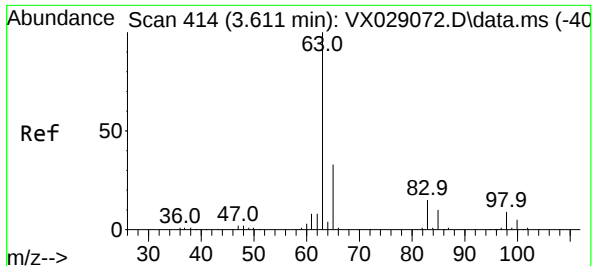
Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
58 26.9 28.8 43.2#



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 17.8 22.8 34.2#

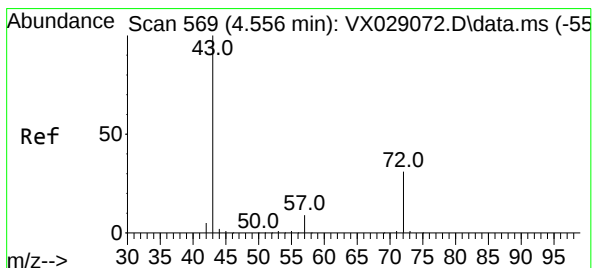
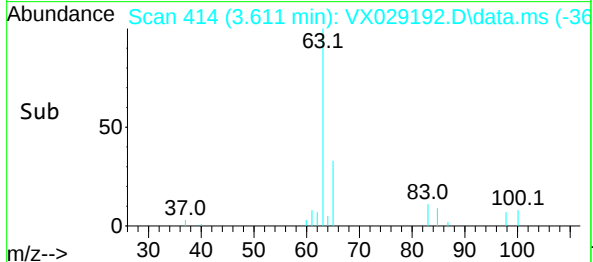
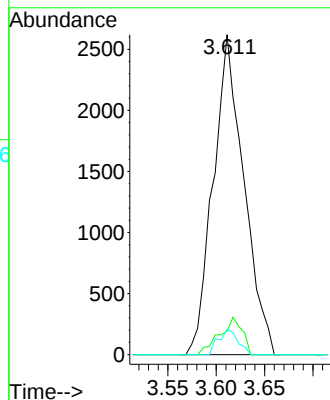
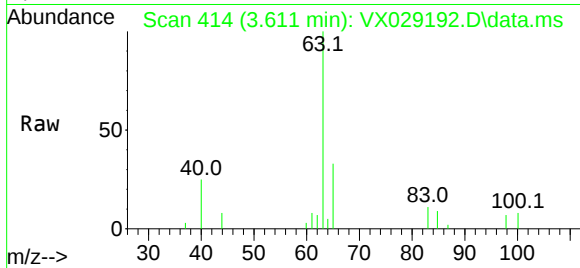




#24
1,1-Dichloroethane
Concen: 1.138 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

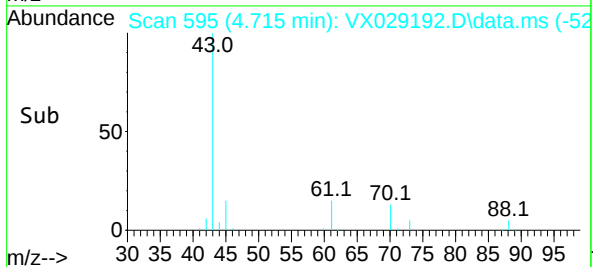
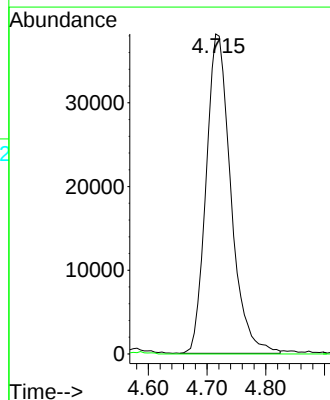
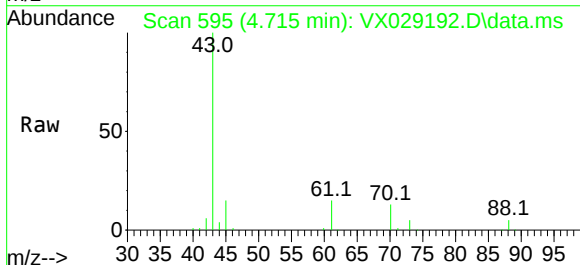
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ClientSampleId :
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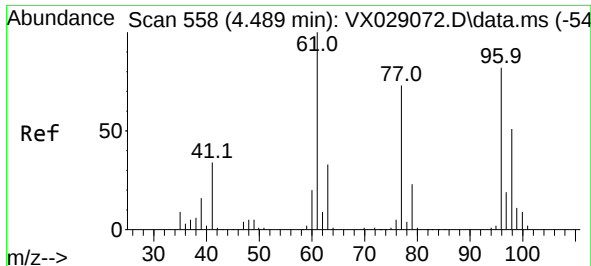
Tgt Ion: 63 Resp: 5775
Ion Ratio Lower Upper
63 100
98 7.2 3.9 11.7
100 7.9 2.4 7.2#



#25
2-Butanone
Concen: 51.240 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 43 Resp: 111218
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#

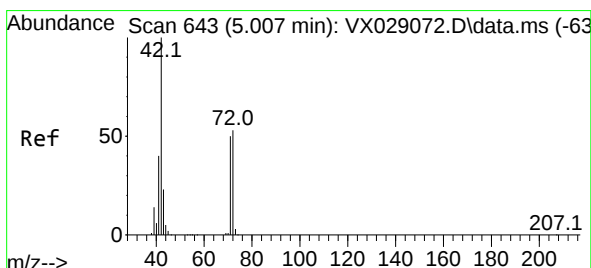
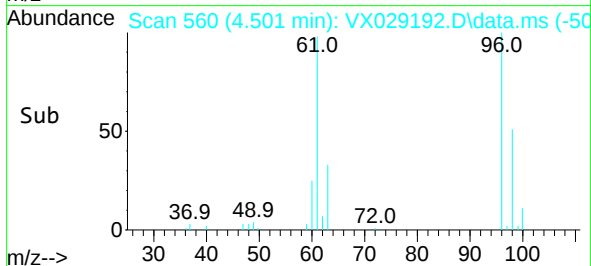
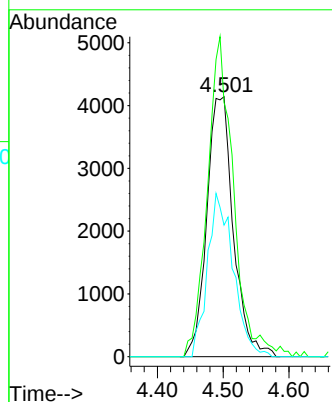
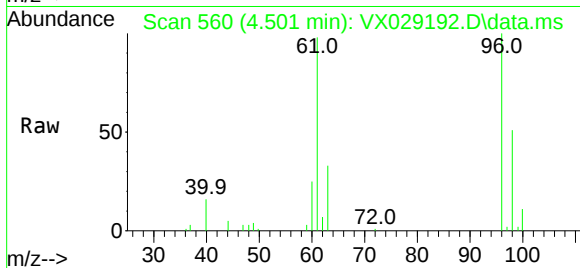




#27
 cis-1,2-Dichloroethene
 Concen: 3.172 ug/l
 RT: 4.501 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX029192.D
 Acq: 03 Jun 2022 16:02

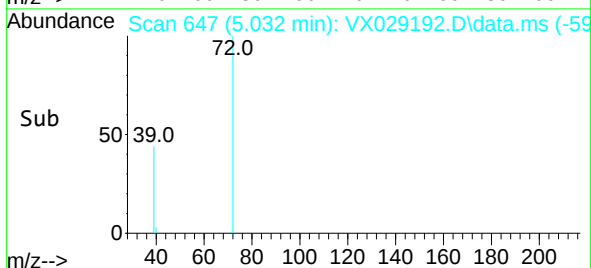
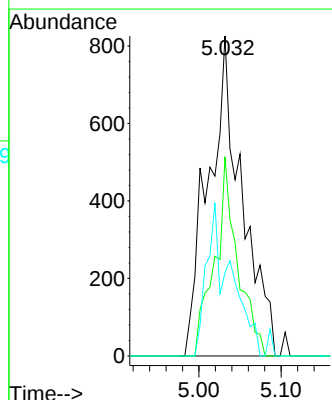
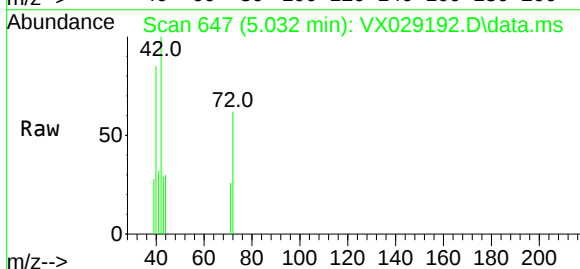
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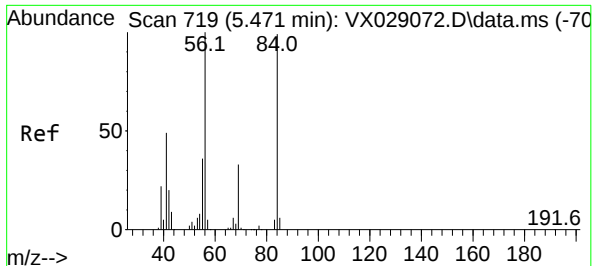
Tgt Ion: 96 Resp: 11655
 Ion Ratio Lower Upper
 96 100
 61 120.7 0.0 283.8
 98 61.0 0.0 129.8



#29
 Tetrahydrofuran
 Concen: 1.681 ug/l
 RT: 5.032 min Scan# 647
 Delta R.T. 0.025 min
 Lab File: VX029192.D
 Acq: 03 Jun 2022 16:02

Tgt Ion: 42 Resp: 2340
 Ion Ratio Lower Upper
 42 100
 72 42.6 44.1 66.1#
 71 21.0 40.5 60.7#

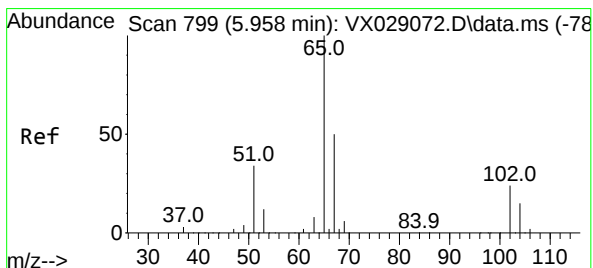
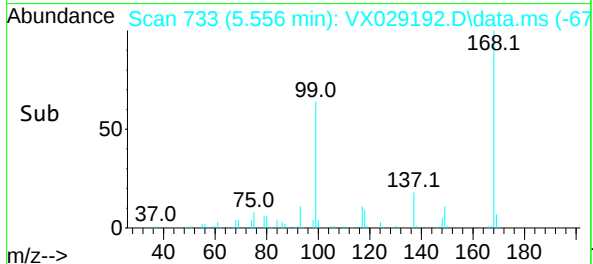
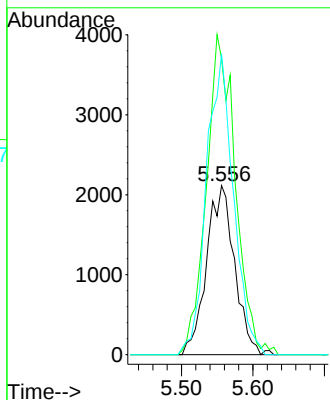
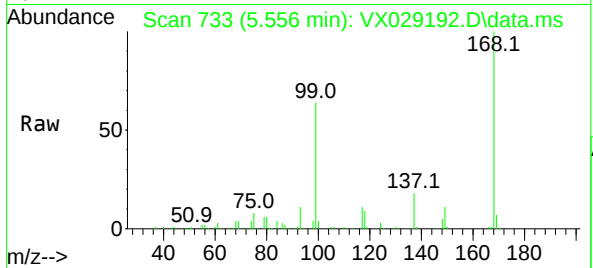




#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

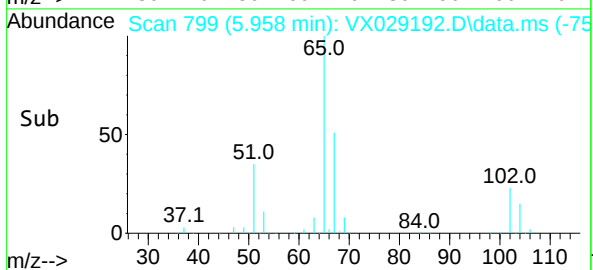
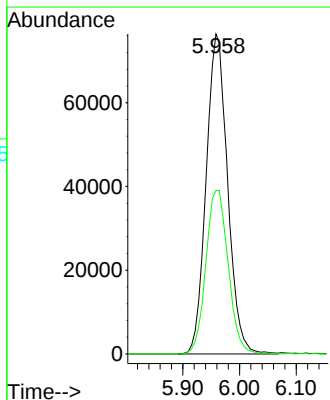
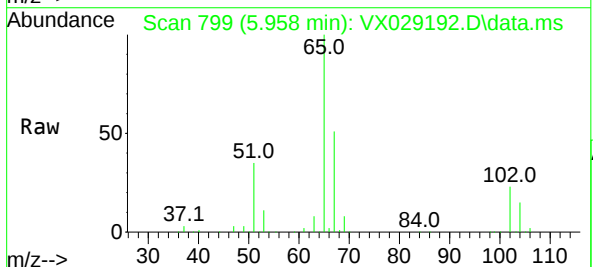
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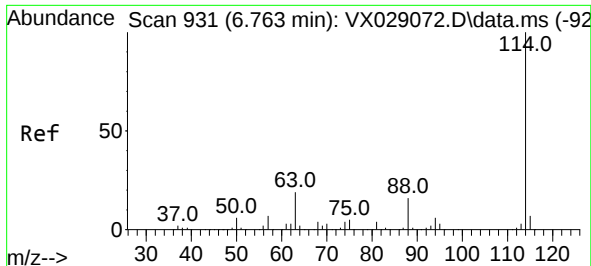
Tgt Ion: 56 Resp: 5761
Ion Ratio Lower Upper
56 100
69 175.0 26.7 40.1#
84 177.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.765 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 65 Resp: 200805
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4

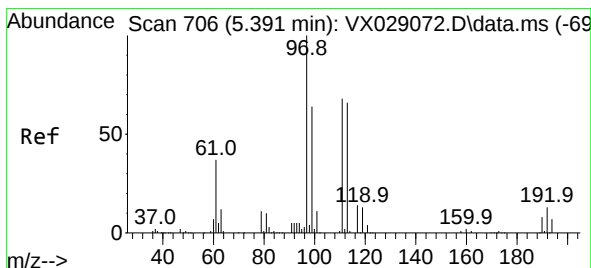
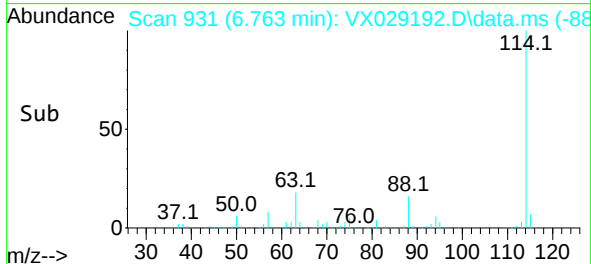
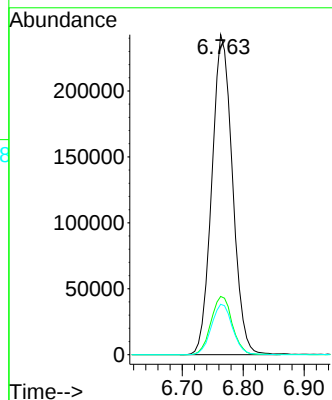
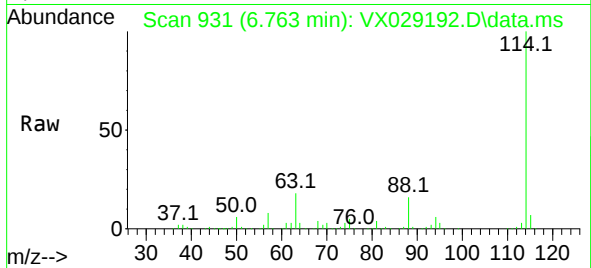




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

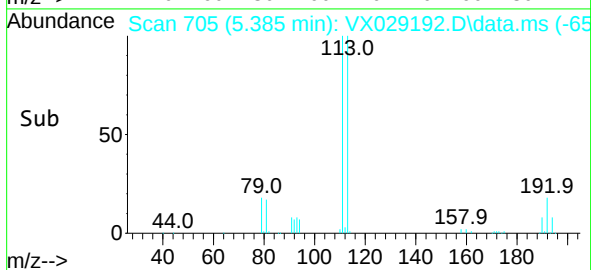
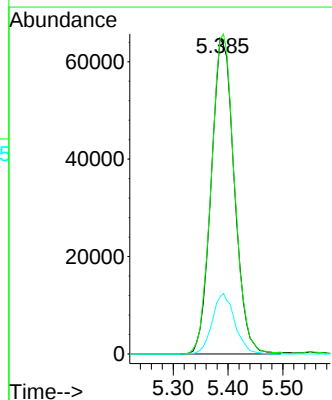
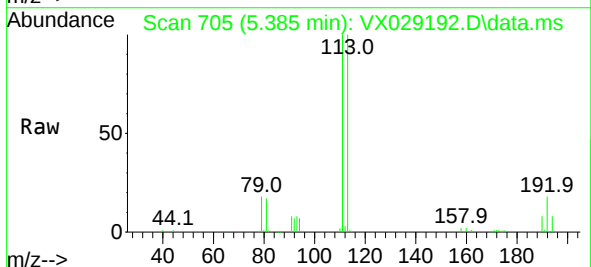
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

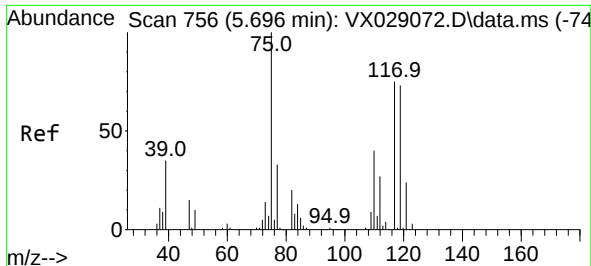
Tgt Ion:114 Resp: 571339
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.930 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion:113 Resp: 189484
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 18.6 16.9 25.3

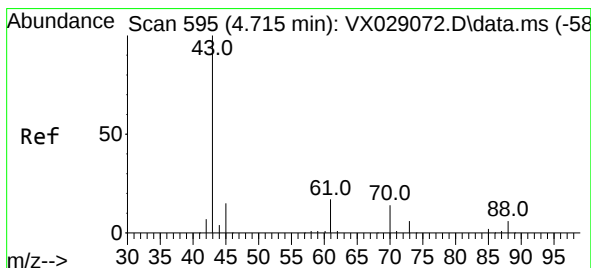
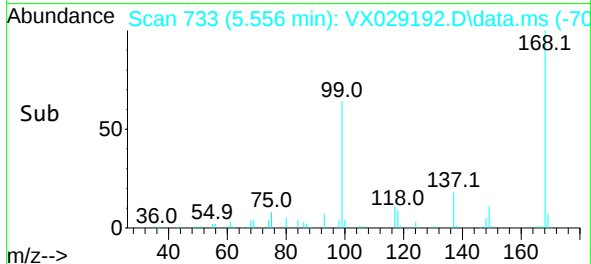
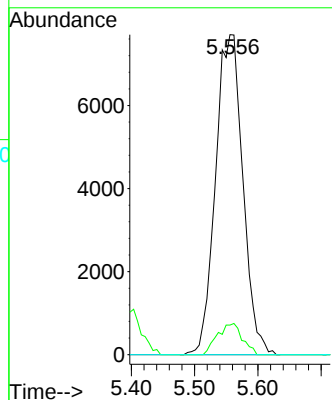
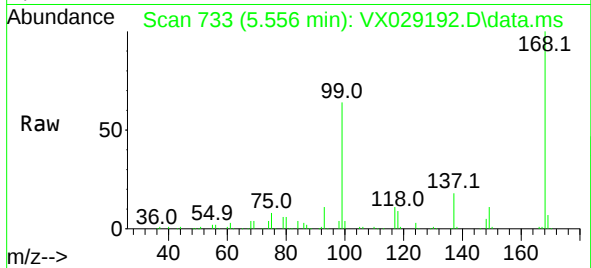




#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

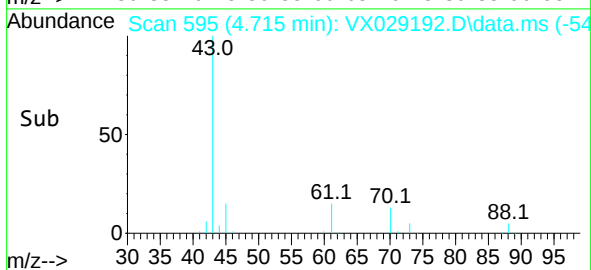
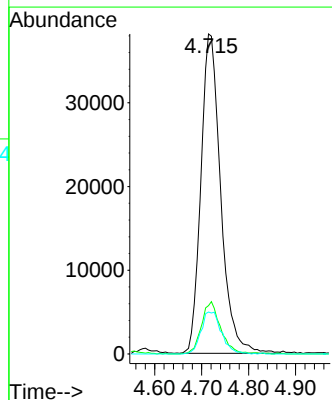
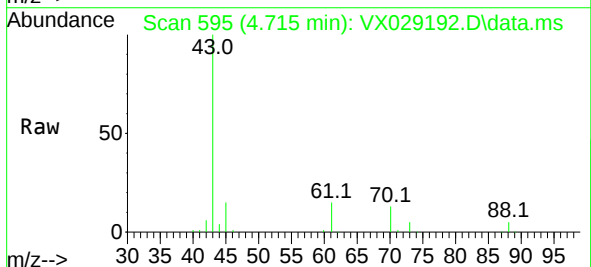
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

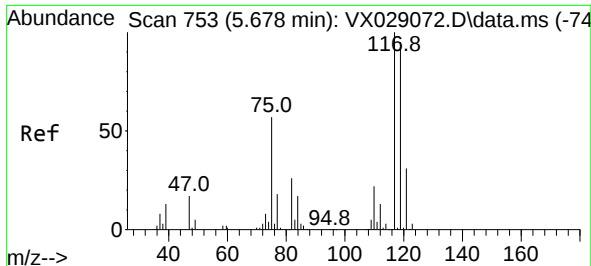
Tgt Ion: 75 Resp: 23080
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 23.621 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

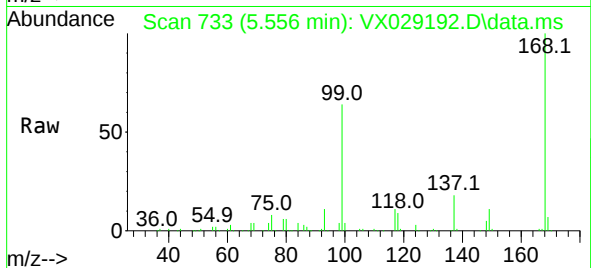
Tgt Ion: 43 Resp: 111781
Ion Ratio Lower Upper
43 100
61 15.8 12.6 19.0
70 13.5 10.2 15.2



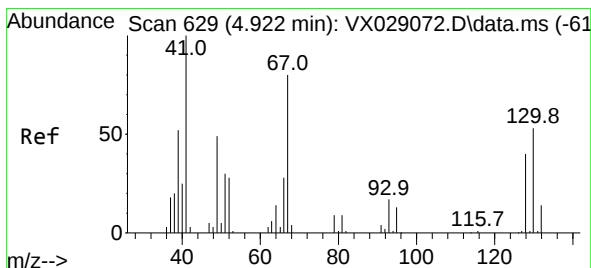
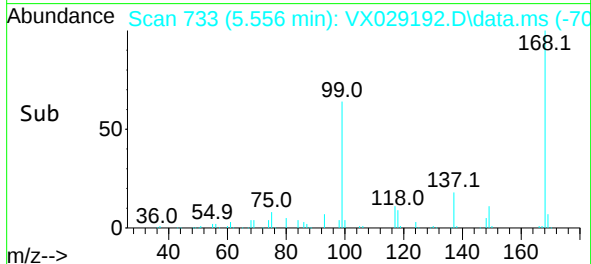
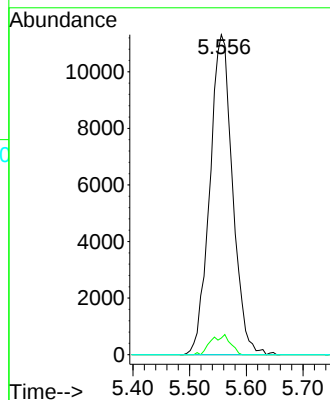


#38
Carbon Tetrachloride
Concen: 5.650 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

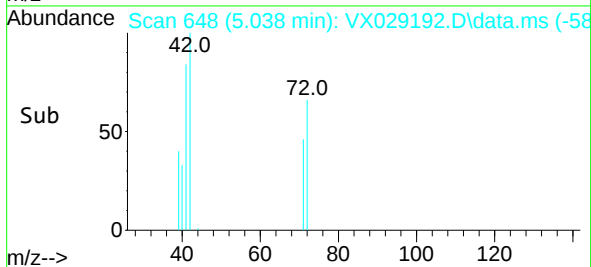
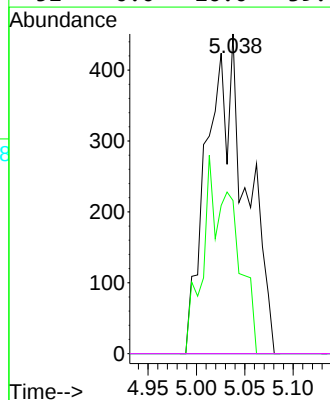
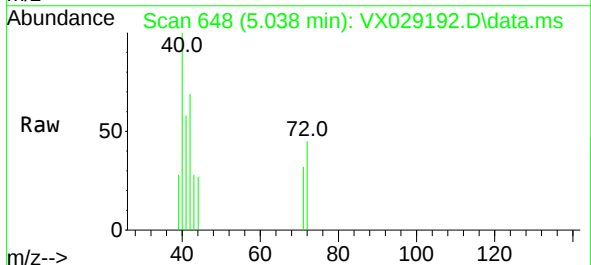


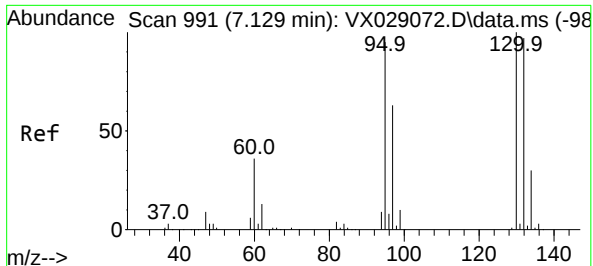
Tgt Ion:117 Resp: 31532
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.495 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 41 Resp: 1266
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

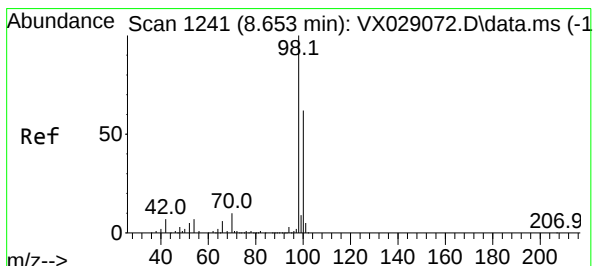
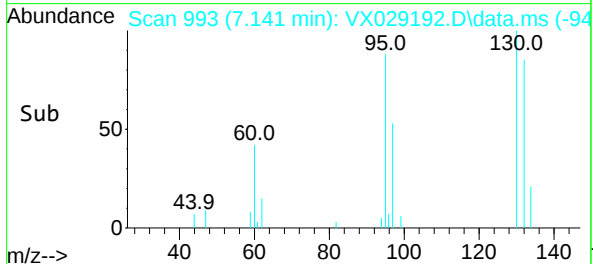
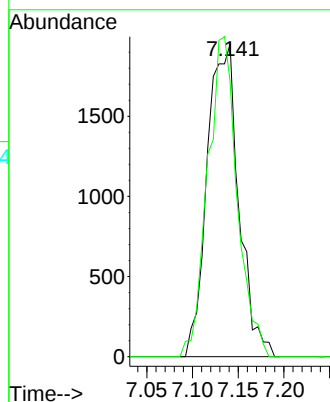
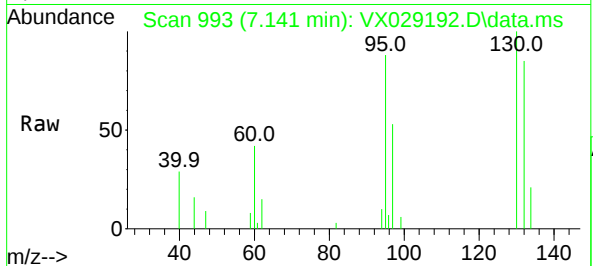




#44
Trichloroethene
Concen: 0.398 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

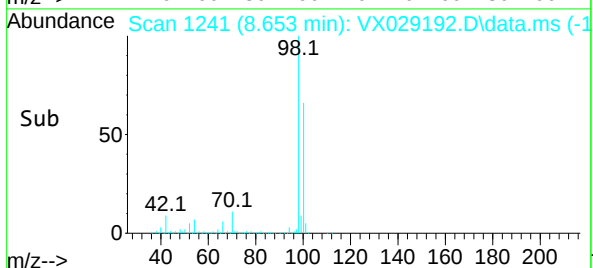
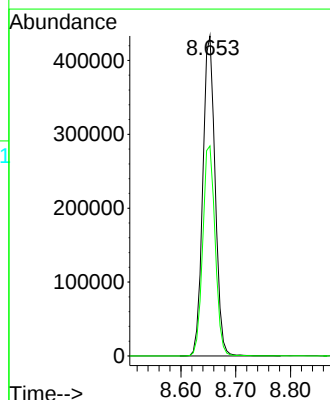
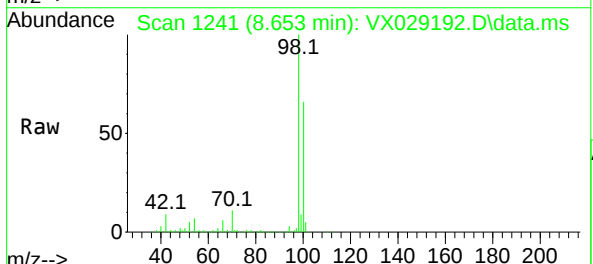
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

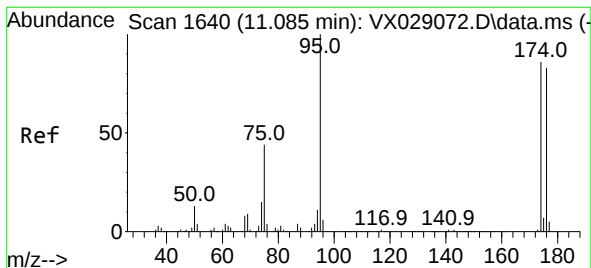
Tgt Ion:130 Resp: 4692
Ion Ratio Lower Upper
130 100
95 88.0 0.0 188.8



#50
Toluene-d8
Concen: 48.648 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 98 Resp: 675229
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

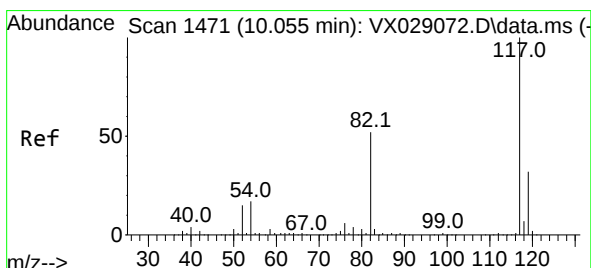
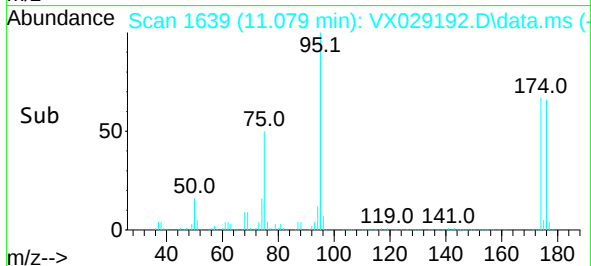
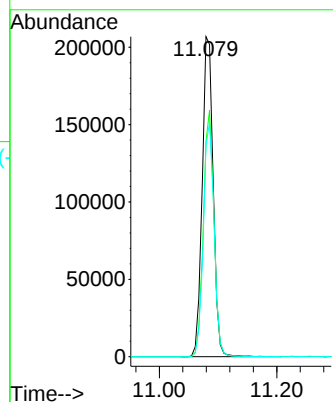
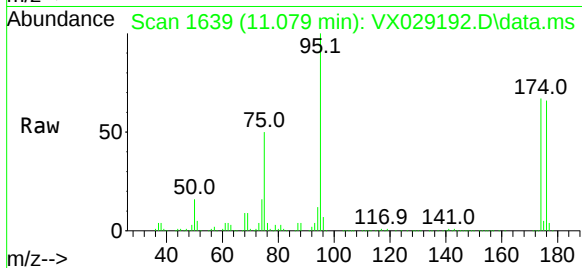




#62
4-Bromofluorobenzene
Concen: 50.004 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

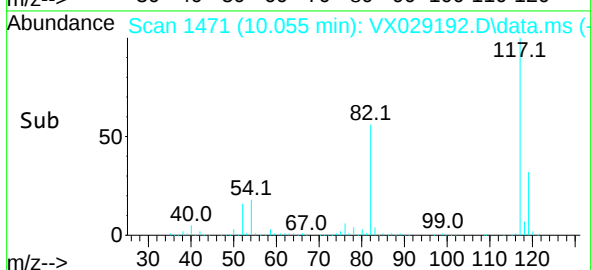
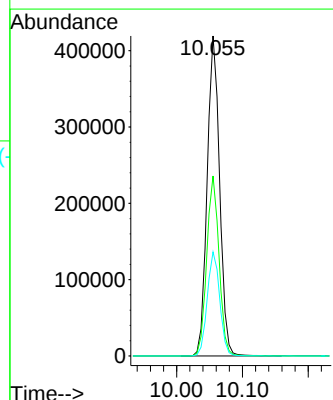
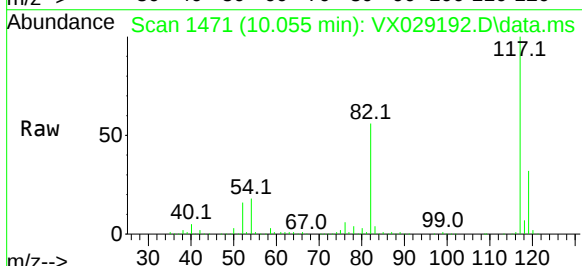
Instrument :
MSVOA_X
ClientSampleId :
31S-20220531

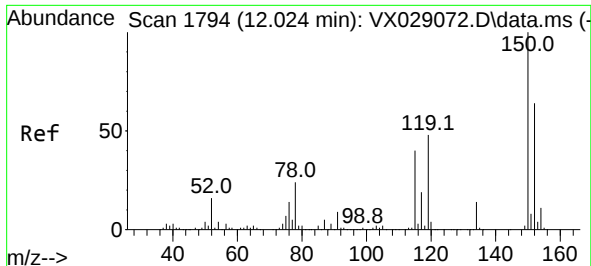
Tgt Ion: 95 Resp: 268287
Ion Ratio Lower Upper
95 100
174 74.5 0.0 163.0
176 71.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029192.D
Acq: 03 Jun 2022 16:02

Tgt Ion: 117 Resp: 551988
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.5 24.8 37.2

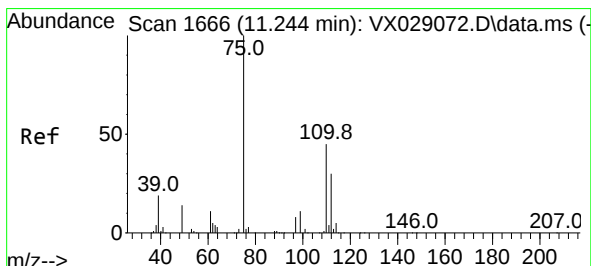
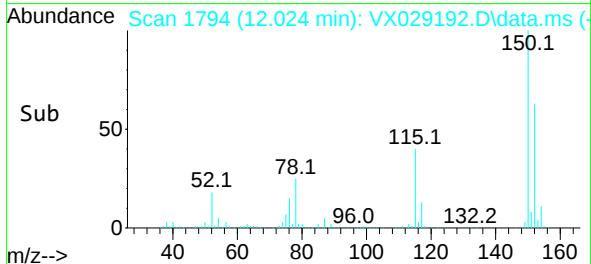
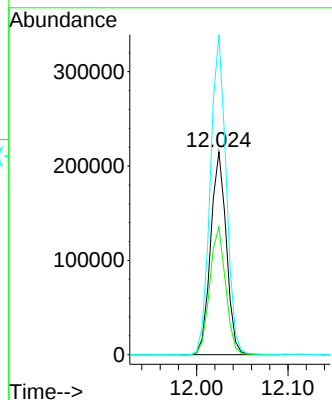
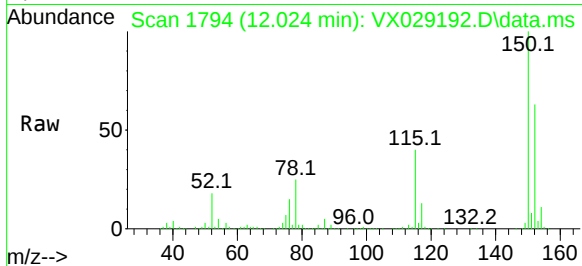




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029192.D
 Acq: 03 Jun 2022 16:02

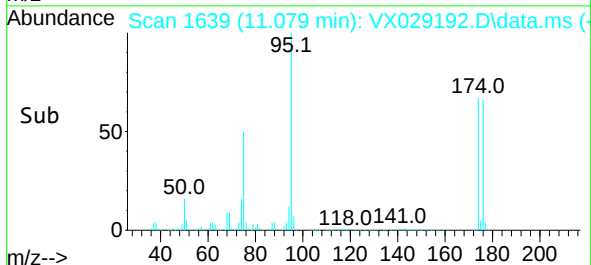
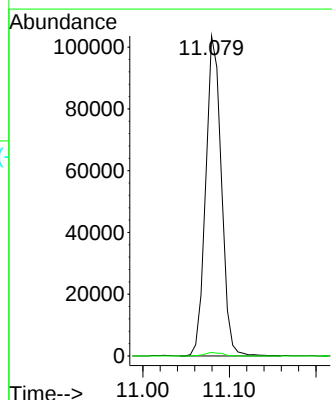
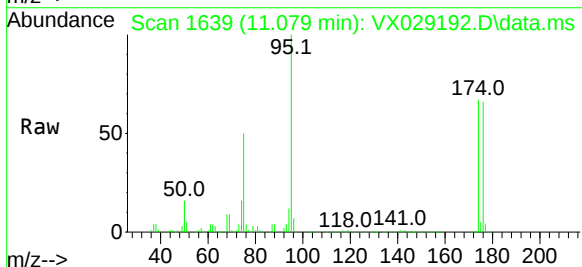
Instrument :
 MSVOA_X
 ClientSampleId :
 31S-20220531

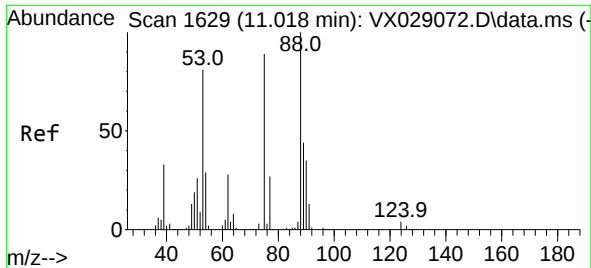
Tgt Ion:152 Resp: 255464
 Ion Ratio Lower Upper
 152 100
 115 63.8 37.5 112.7
 150 159.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.137 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029192.D
 Acq: 03 Jun 2022 16:02

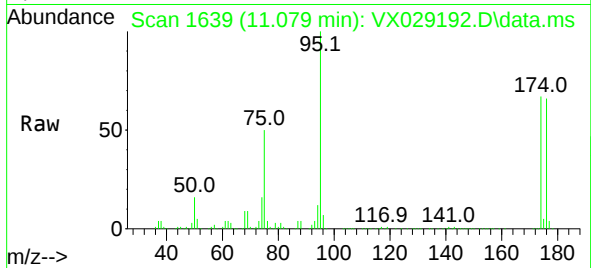
Tgt Ion: 75 Resp: 130179
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.748 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029192.D
 Acq: 03 Jun 2022 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 31S-20220531



Tgt Ion: 75 Resp: 130179
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

