

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029191.D
 Acq On : 03 Jun 2022 15:39
 Operator : JC/MD
 Sample : N3164-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20220531

Quant Time: Jun 06 02:35:28 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)

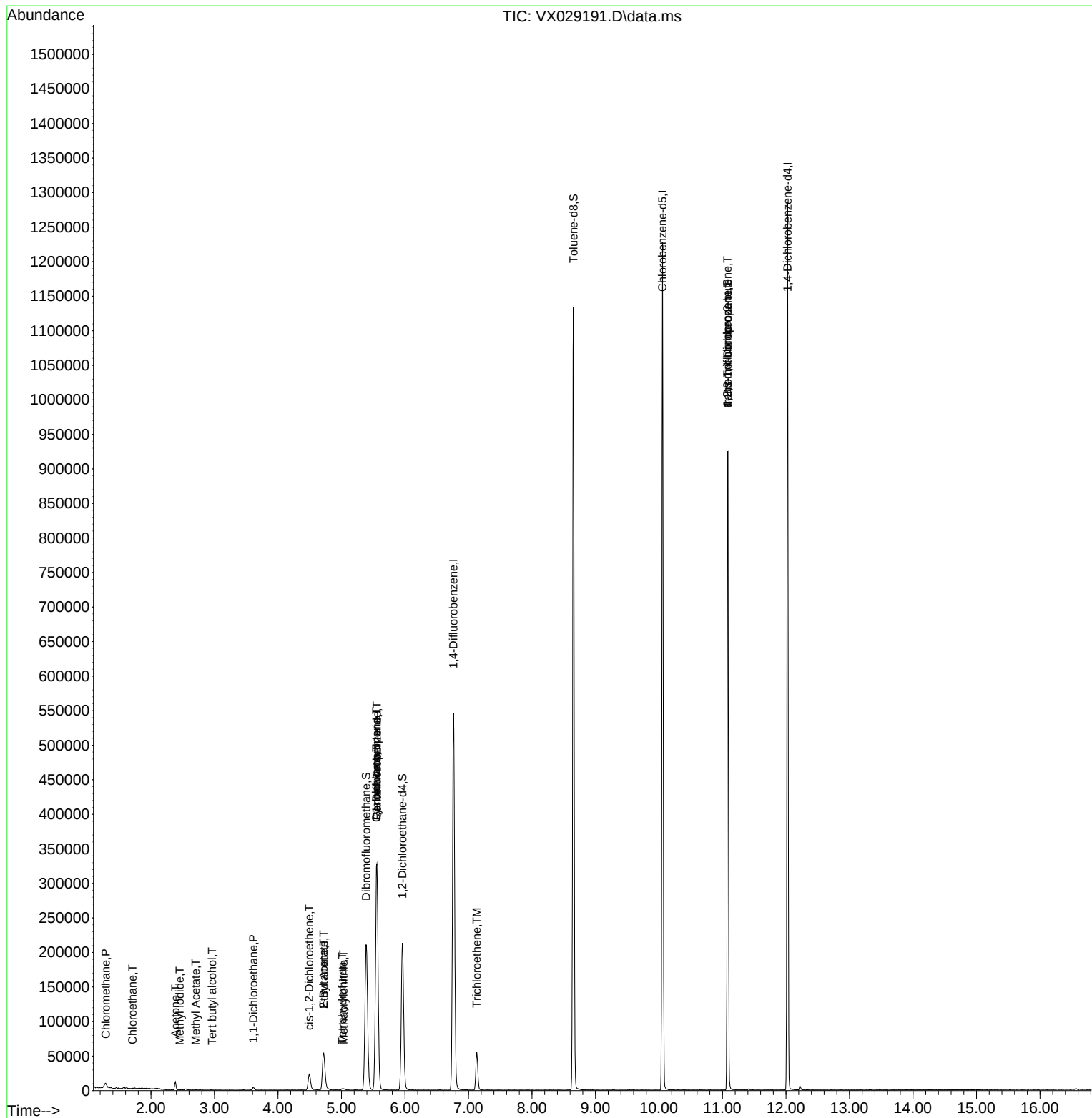
Internal Standards						
1) Pentafluorobenzene	5.556	168	310582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	582009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	562227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203506	58.107	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.220%
35) Dibromofluoromethane	5.385	113	191662	49.578	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.160%
50) Toluene-d8	8.653	98	688090	48.666	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.340%
62) 4-Bromofluorobenzene	11.079	95	273715	50.081	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.289	50	914	0.323	ug/l	90
5) Bromomethane	1.612	94	823	Below Cal	#	63
6) Chloroethane	1.709	64	1287	1.863	ug/l #	43
10) Methyl Iodide	2.453	142	579	4.378	ug/l #	89
11) Tert butyl alcohol	2.965	59	422	0.520	ug/l #	72
16) Acetone	2.386	43	12052	8.739	ug/l	97
18) Methyl Acetate	2.703	43	1099	0.308	ug/l #	70
24) 1,1-Dichloroethane	3.611	63	4451	0.856	ug/l	96
25) 2-Butanone	4.721	43	93197	41.893	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	15693	4.167	ug/l	86
29) Tetrahydrofuran	5.013	42	1994	1.398	ug/l #	83
31) Cyclohexane	5.550	56	5671	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	24031	4.831	ug/l #	50
37) Ethyl Acetate	4.721	43	93411	19.377	ug/l	98
38) Carbon Tetrachloride	5.556	117	32772	5.765	ug/l #	16
41) Methacrylonitrile	5.032	41	995	0.382	ug/l #	24
44) Trichloroethene	7.129	130	21929	4.380	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	131676	24.792	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	131676	72.735	ug/l #	15

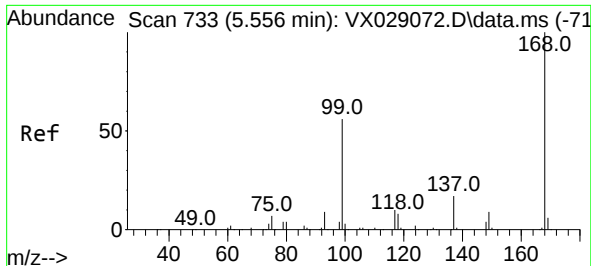
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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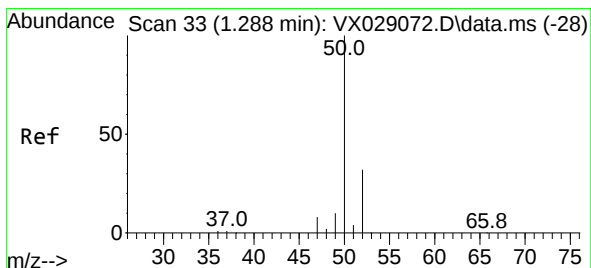
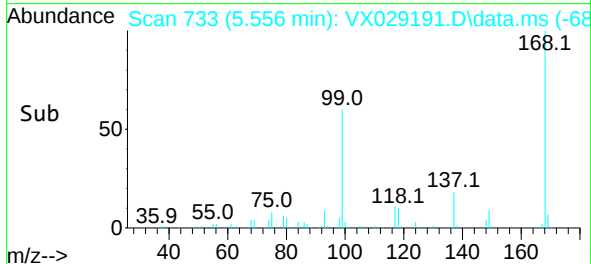
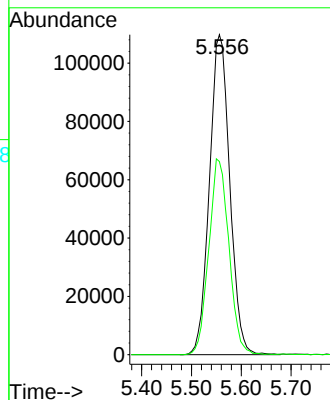
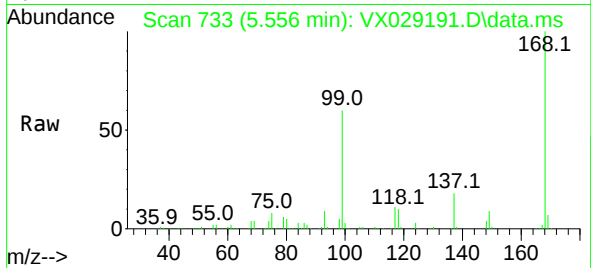




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

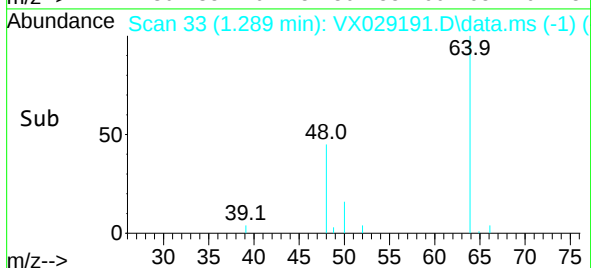
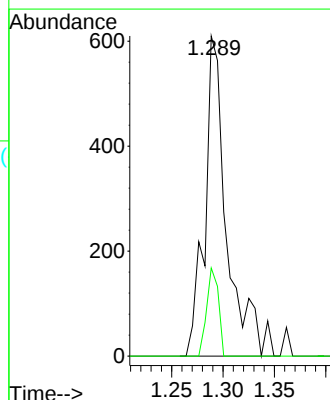
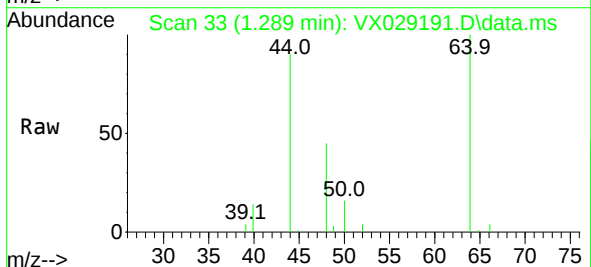
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

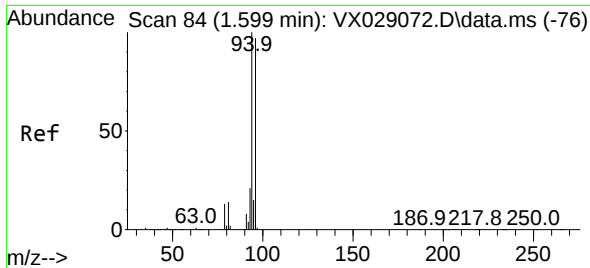
Tgt Ion:168 Resp: 310582
Ion Ratio Lower Upper
168 100
99 60.4 41.7 62.5



#3
Chloromethane
Concen: 0.323 ug/l
RT: 1.289 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 50 Resp: 914
Ion Ratio Lower Upper
50 100
52 27.5 26.4 39.6

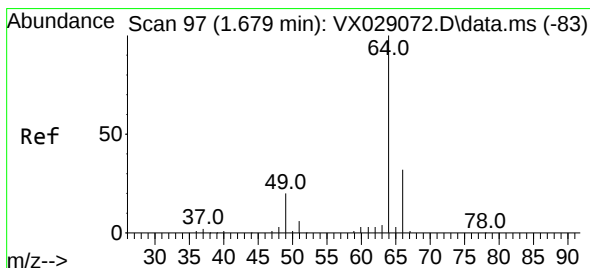
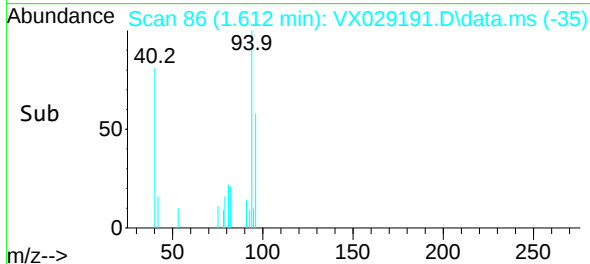
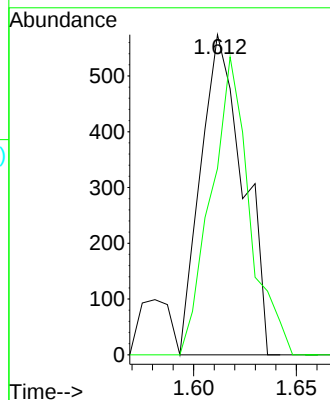
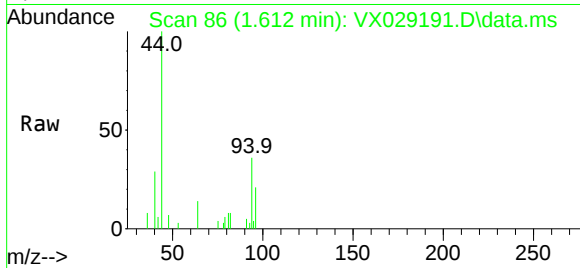




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

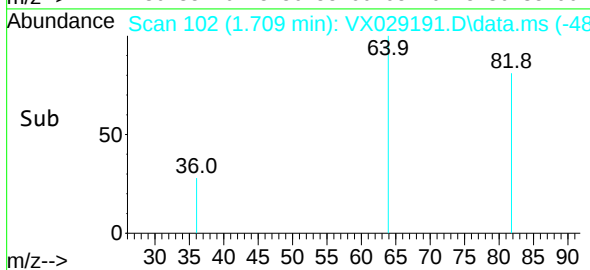
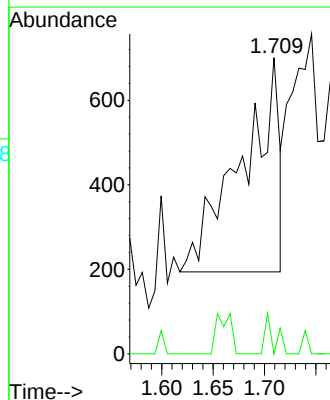
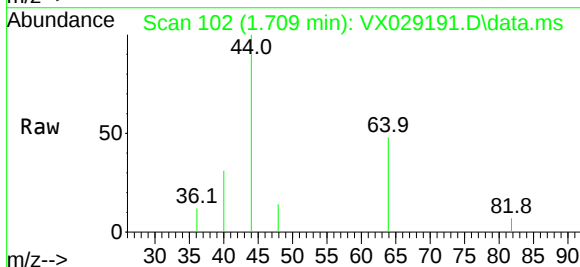
Instrument :
MSVOA_X
ClientSampleId :
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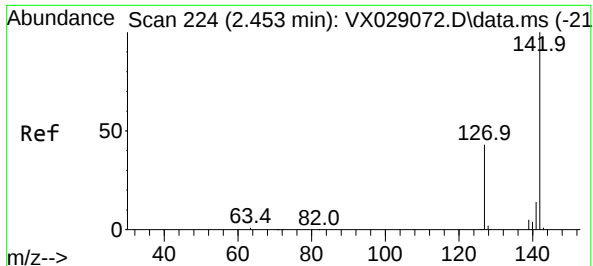
Tgt Ion: 94 Resp: 823
Ion Ratio Lower Upper
94 100
96 58.2 75.3 112.9#



#6
Chloroethane
Concen: 1.863 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

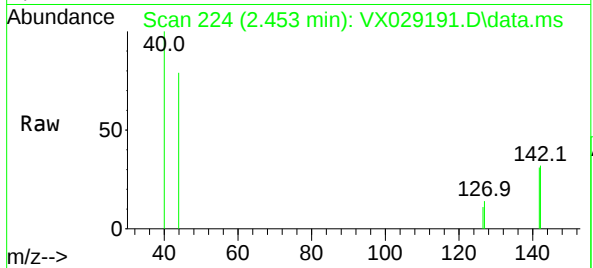
Tgt Ion: 64 Resp: 1287
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



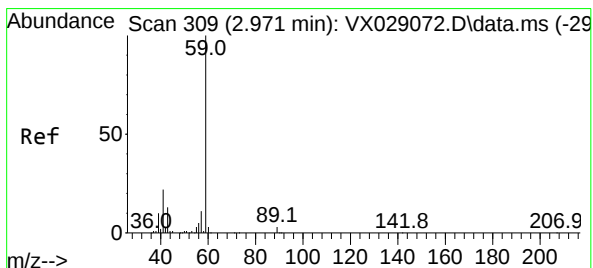
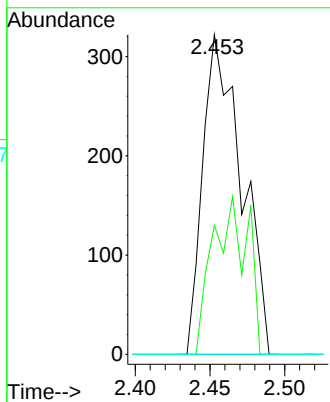
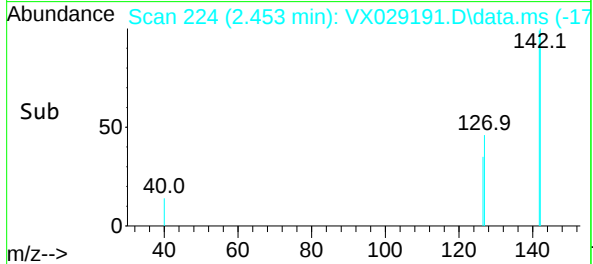


#10
Methyl Iodide
Concen: 4.378 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

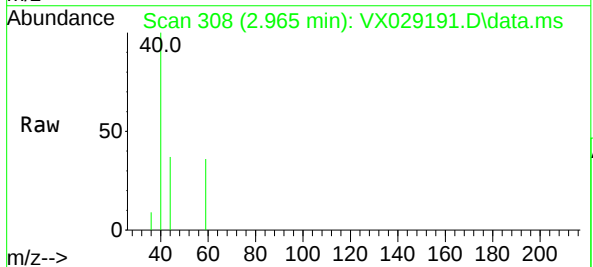
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531



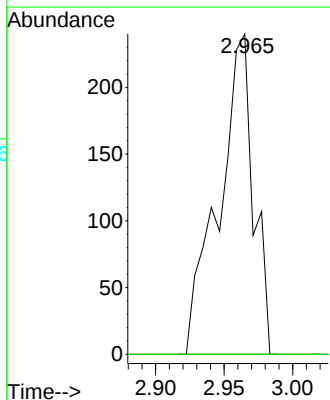
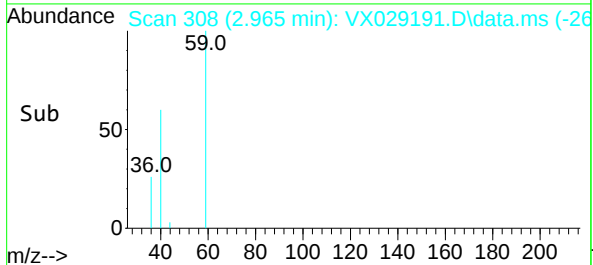
Tgt Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 44.4 33.9 50.9
141 0.0 11.4 17.2#

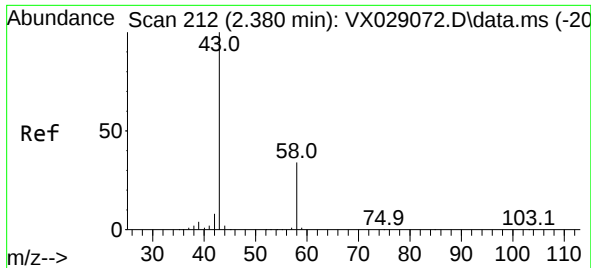


#11
Tert butyl alcohol
Concen: 0.520 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39



Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

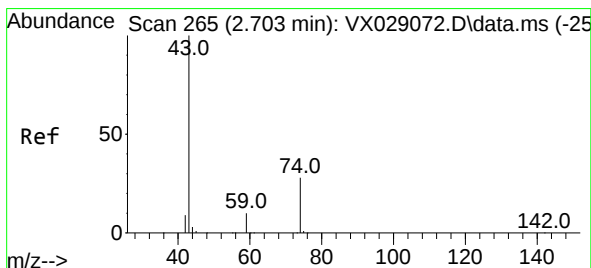
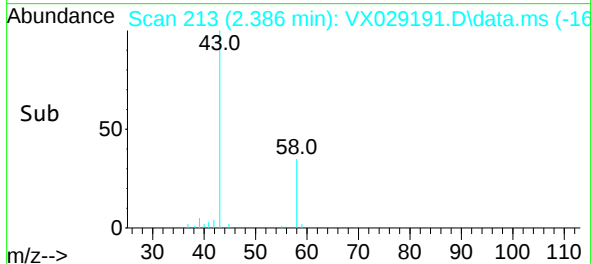
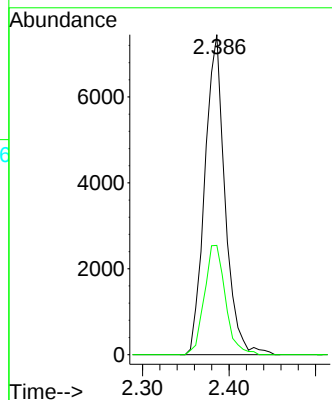
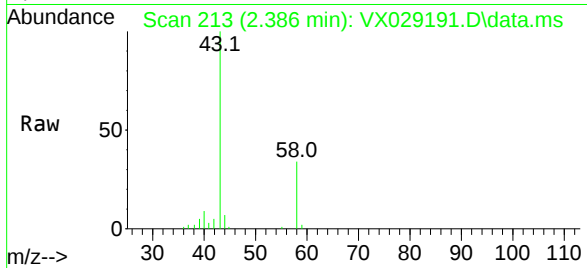




#16
Acetone
Concen: 8.739 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

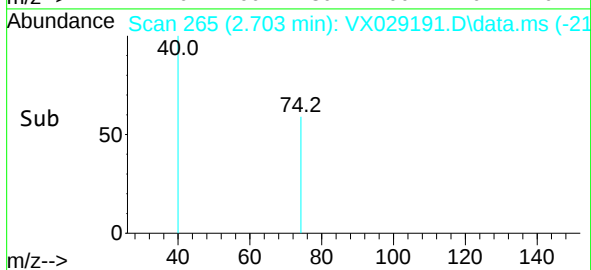
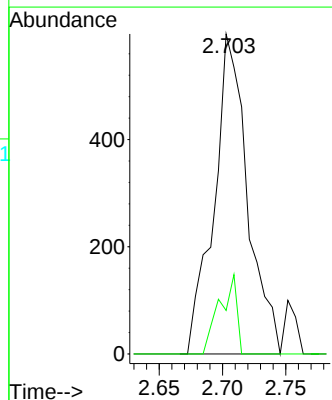
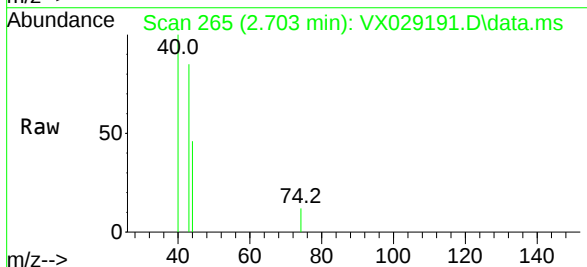
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

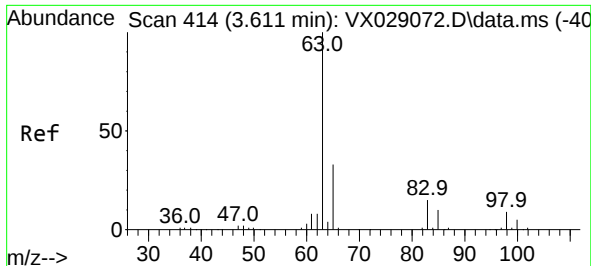
Tgt Ion: 43 Resp: 12052
Ion Ratio Lower Upper
43 100
58 34.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.308 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
74 12.7 22.8 34.2#

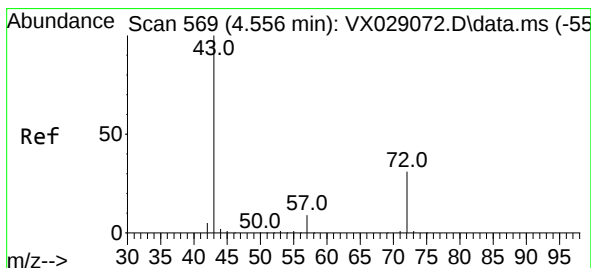
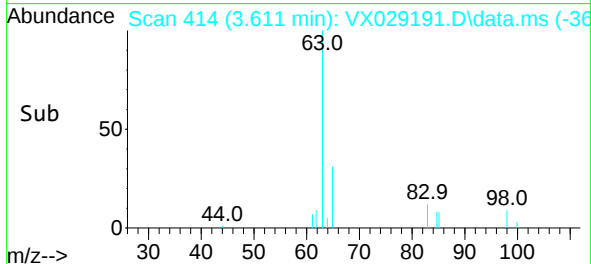
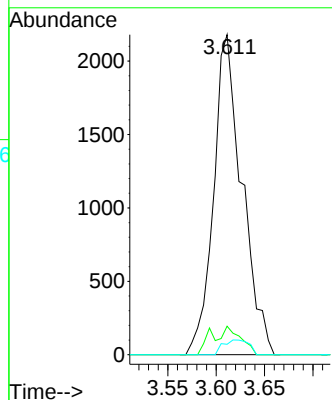
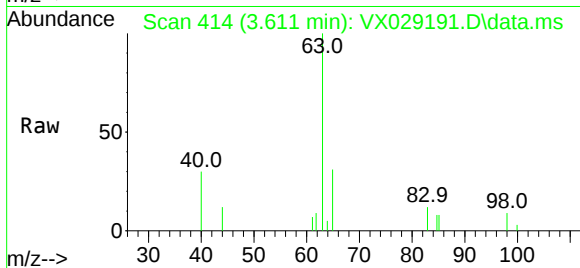




#24
 1,1-Dichloroethane
 Concen: 0.856 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

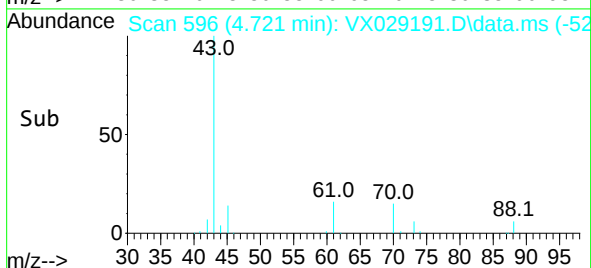
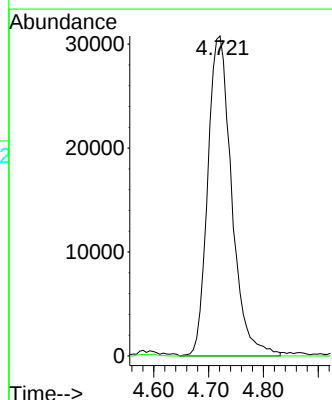
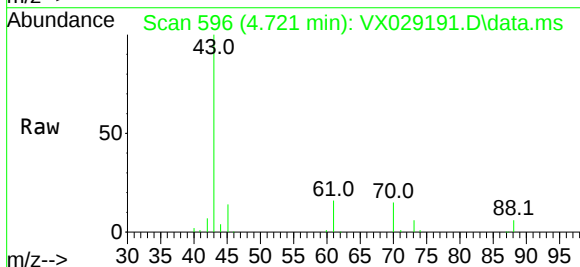
Instrument :
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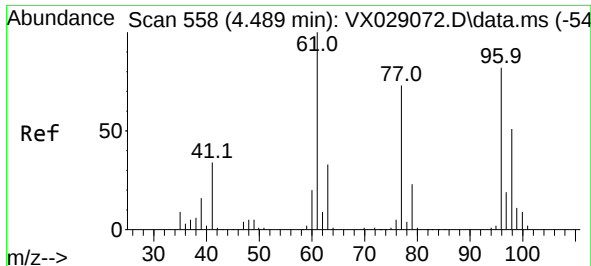
Tgt Ion:	63	Resp:	4451
Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.9	11.7
100	3.3	2.4	7.2



#25
 2-Butanone
 Concen: 41.893 ug/l
 RT: 4.721 min Scan# 596
 Delta R.T. 0.165 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

Tgt Ion:	43	Resp:	93197
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.4	36.6#

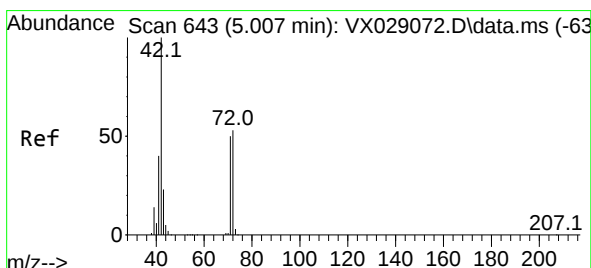
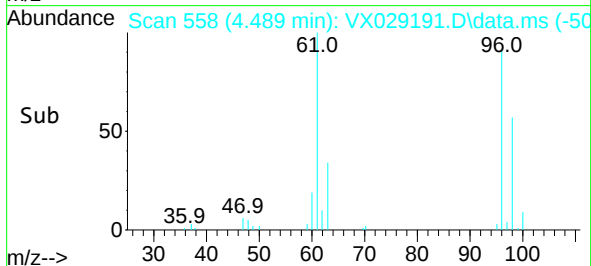
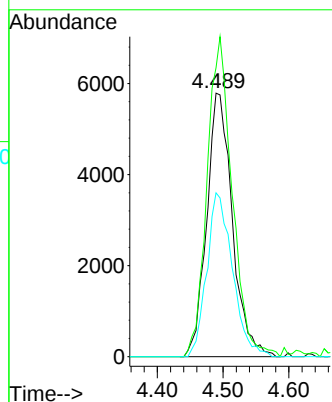
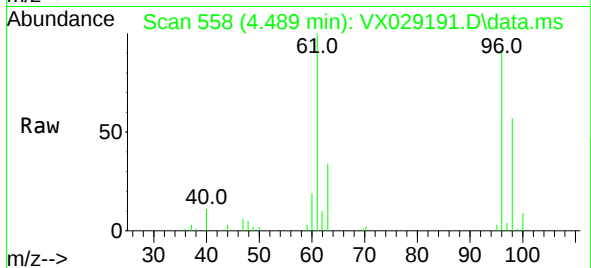




#27
 cis-1,2-Dichloroethene
 Concen: 4.167 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

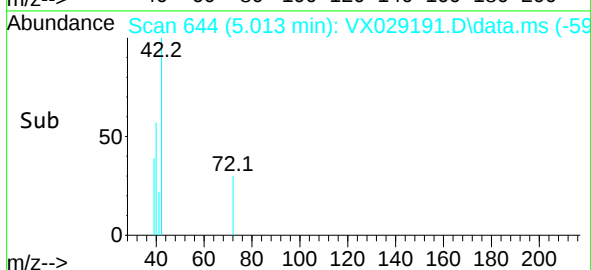
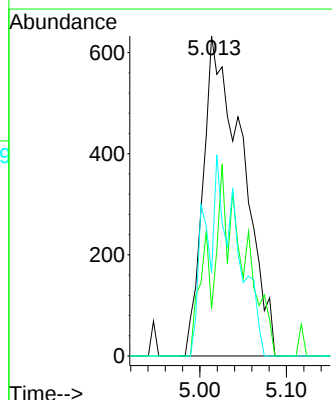
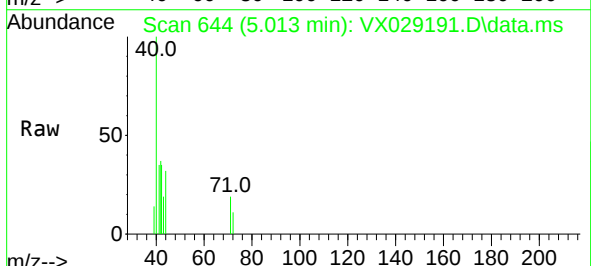
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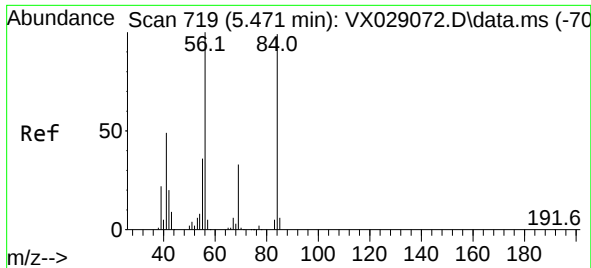
Tgt Ion: 96 Resp: 15693
 Ion Ratio Lower Upper
 96 100
 61 118.9 0.0 283.8
 98 62.4 0.0 129.8



#29
 Tetrahydrofuran
 Concen: 1.398 ug/l
 RT: 5.013 min Scan# 644
 Delta R.T. 0.006 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

Tgt Ion: 42 Resp: 1994
 Ion Ratio Lower Upper
 42 100
 72 50.4 44.1 66.1
 71 30.6 40.5 60.7#

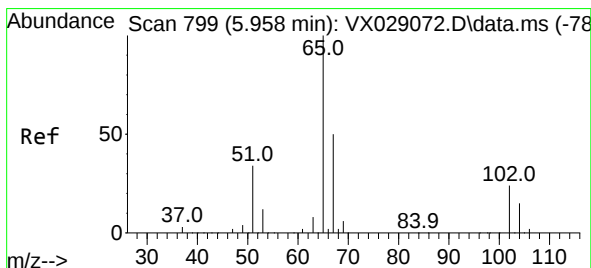
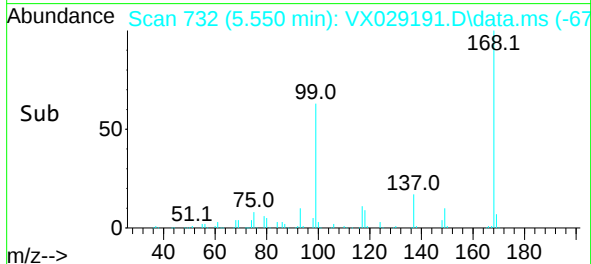
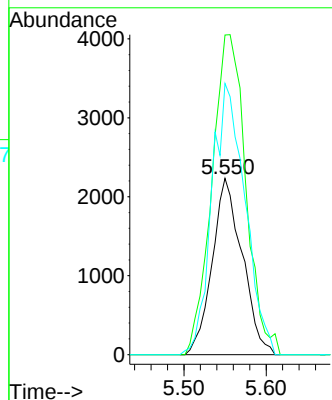
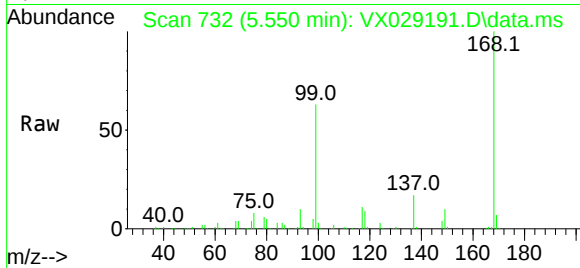




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

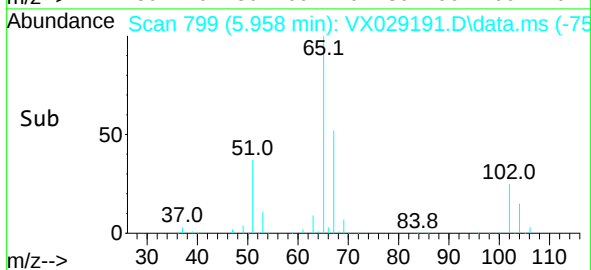
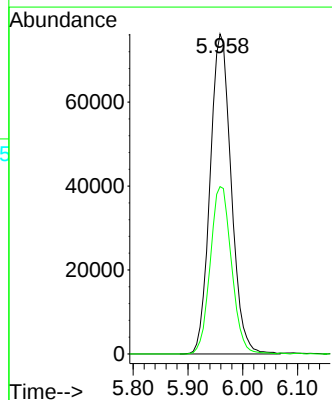
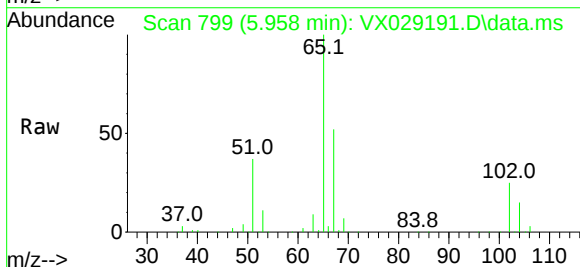
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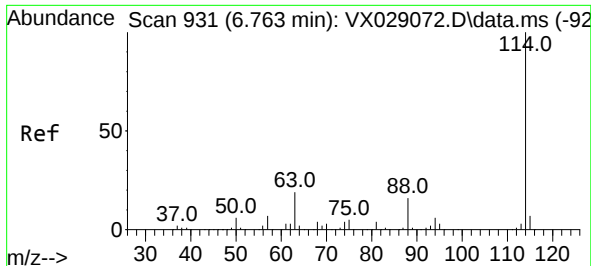
Tgt Ion: 56 Resp: 5671
Ion Ratio Lower Upper
56 100
69 181.4 26.7 40.1#
84 153.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.107 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 65 Resp: 203506
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

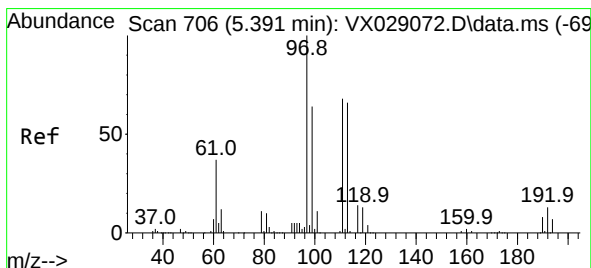
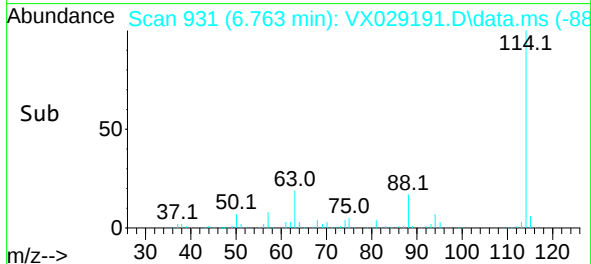
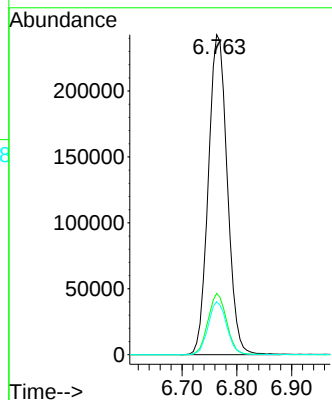
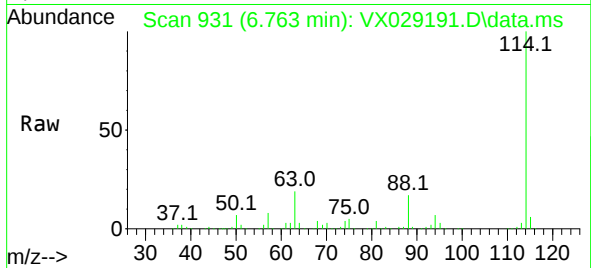




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

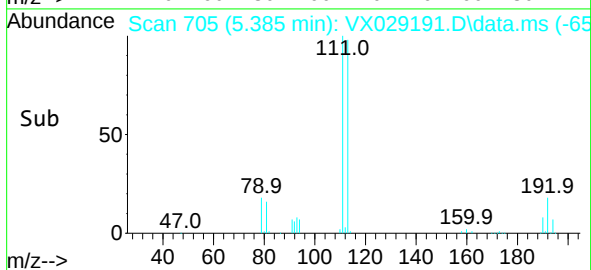
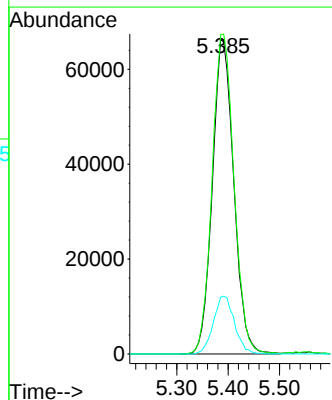
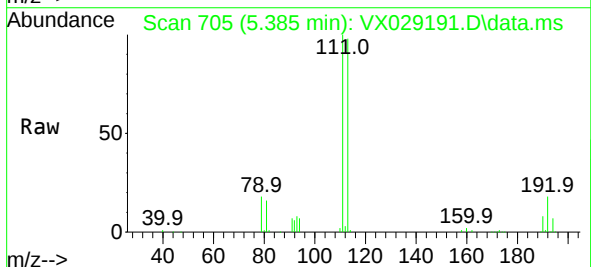
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

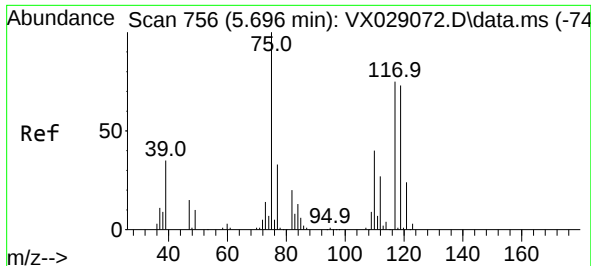
Tgt Ion:114 Resp: 582009
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.8
88 16.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.578 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion:113 Resp: 191662
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 18.1 16.9 25.3

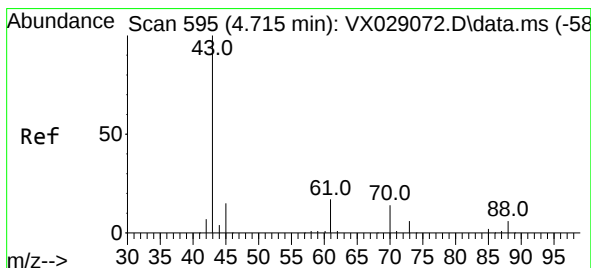
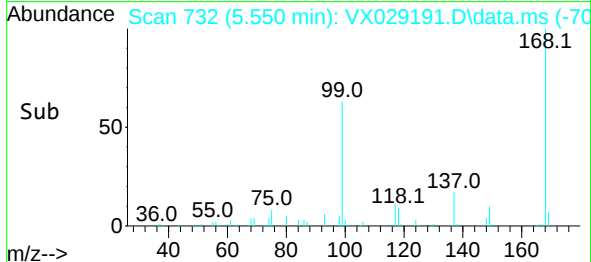
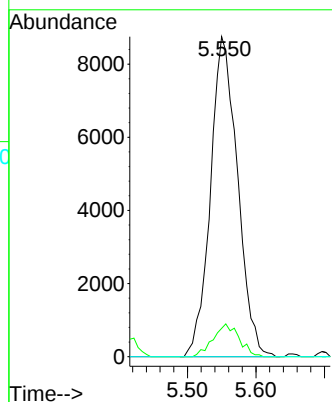
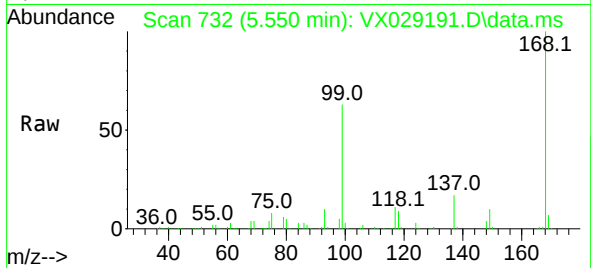




#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 5.550 min Scan# 756
Delta R.T. -0.146 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

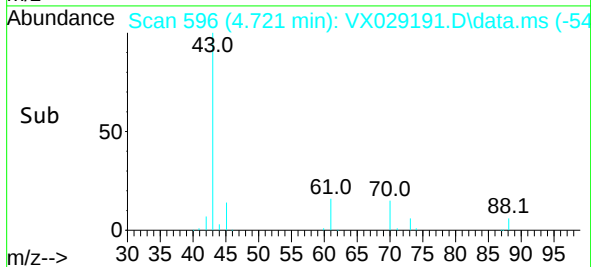
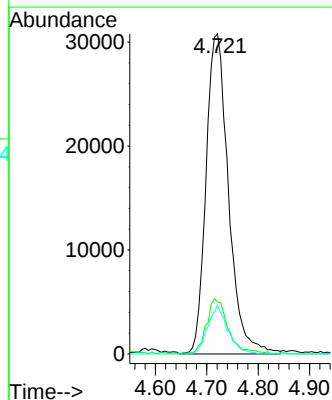
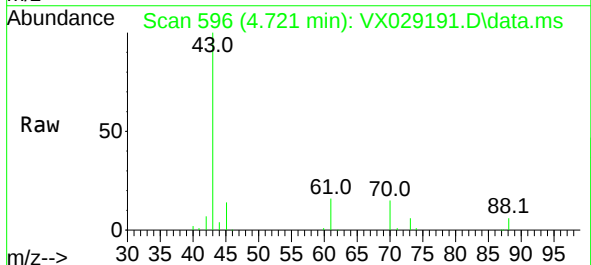
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

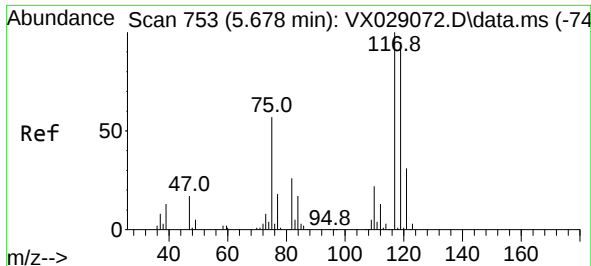
Tgt Ion: 75 Resp: 24031
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 19.377 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

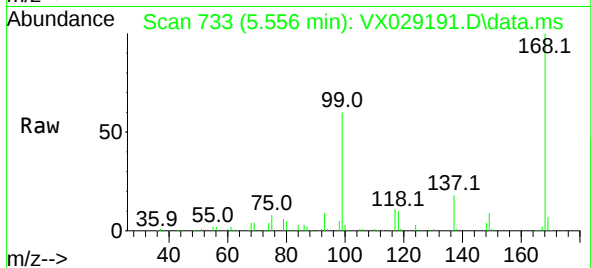
Tgt Ion: 43 Resp: 93411
Ion Ratio Lower Upper
43 100
61 16.7 12.6 19.0
70 13.5 10.2 15.2



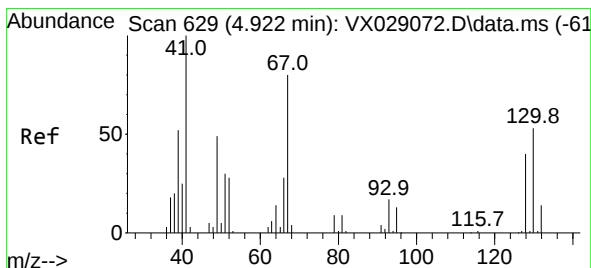
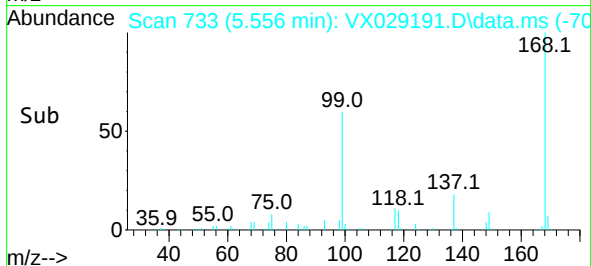
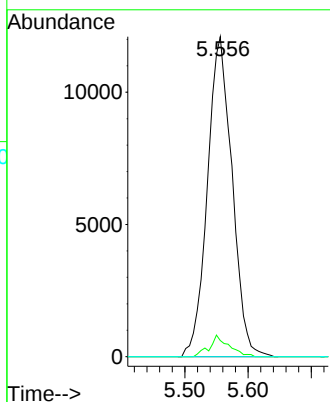


#38
Carbon Tetrachloride
Concen: 5.765 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

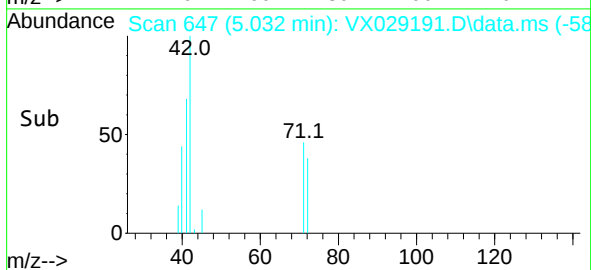
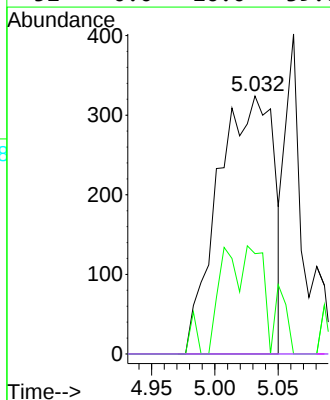
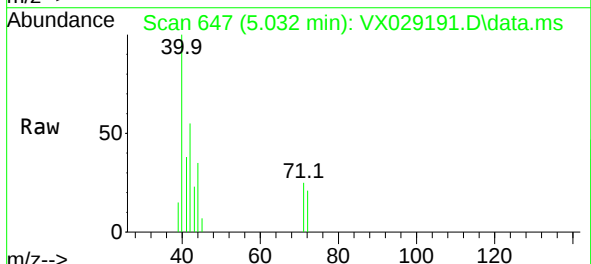


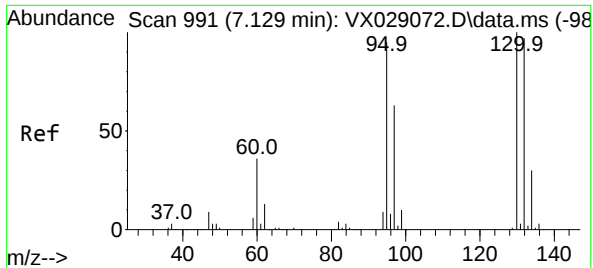
Tgt Ion:117 Resp: 32772
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.382 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 41 Resp: 995
Ion Ratio Lower Upper
41 100
39 14.3 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

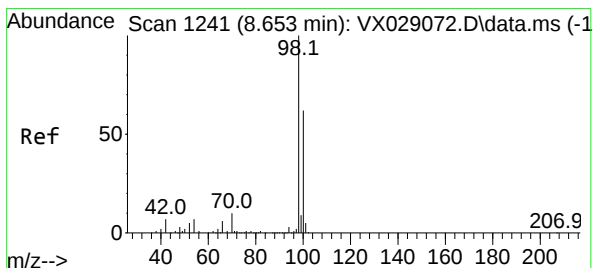
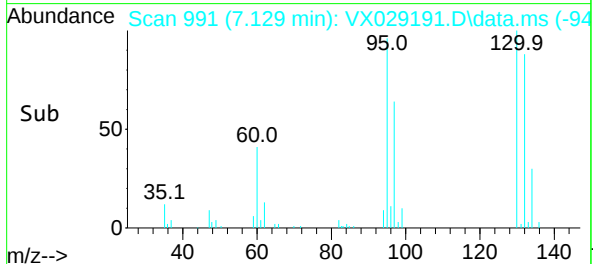
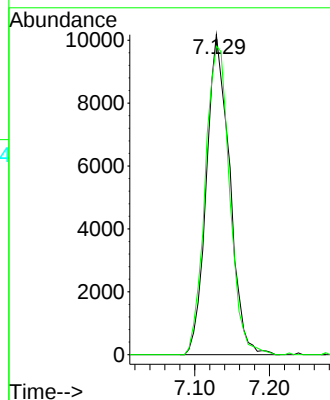
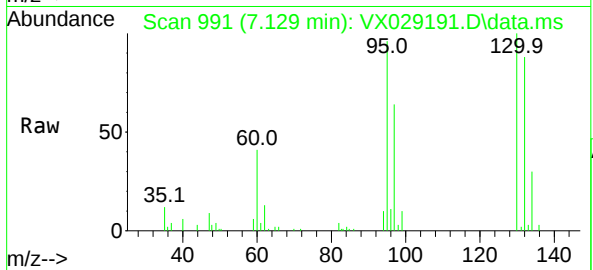




#44
Trichloroethene
Concen: 4.380 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

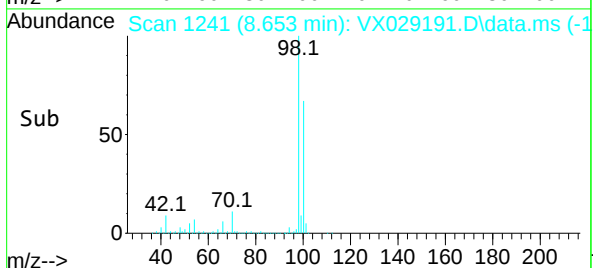
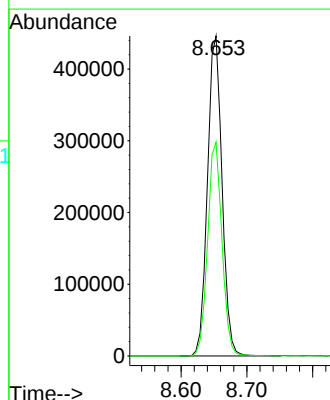
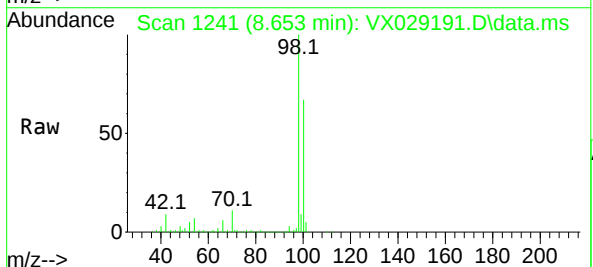
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

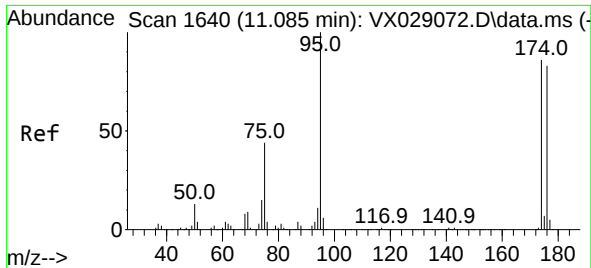
Tgt Ion:130 Resp: 21929
Ion Ratio Lower Upper
130 100
95 96.4 0.0 188.8



#50
Toluene-d8
Concen: 48.666 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 98 Resp: 688090
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

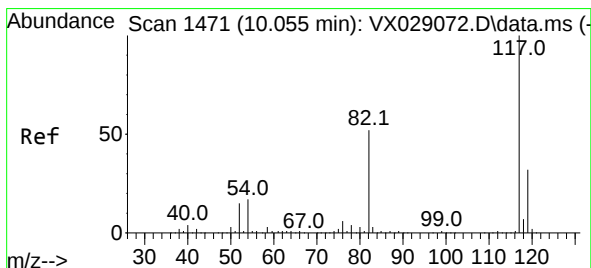
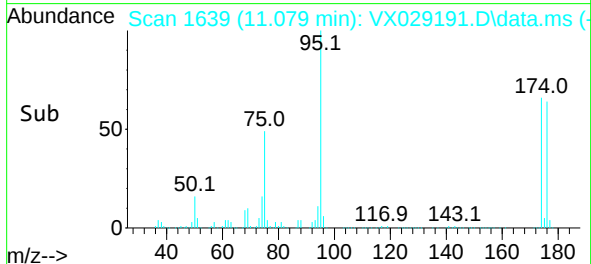
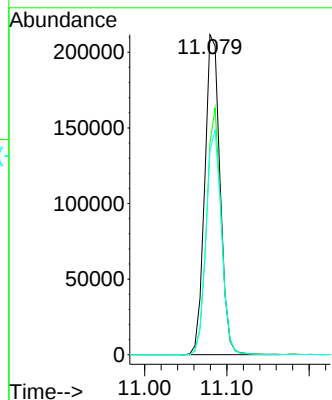
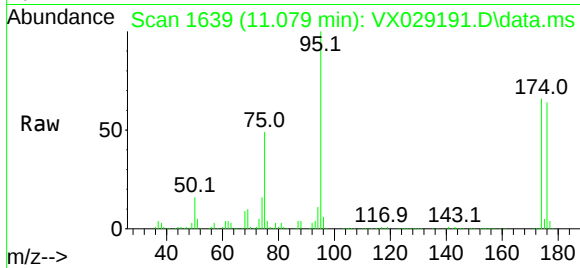




#62
4-Bromofluorobenzene
Concen: 50.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

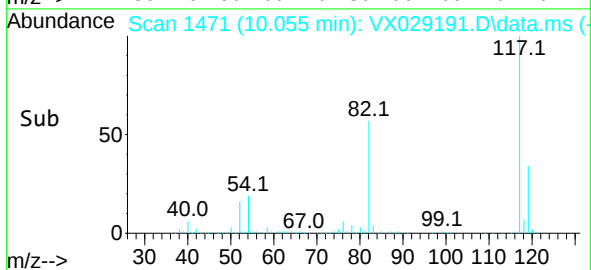
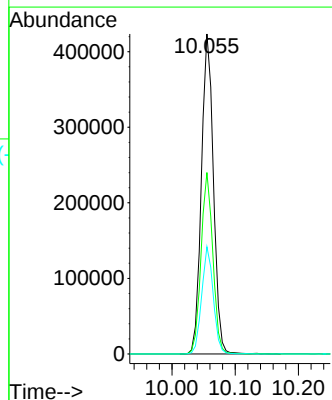
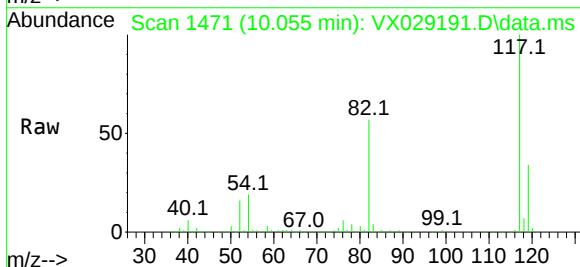
Instrument :
MSVOA_X
ClientSampleId :
31BR-20220531

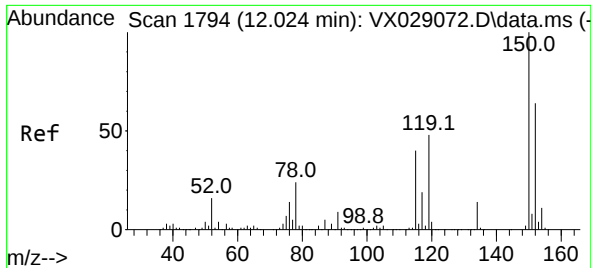
Tgt Ion: 95 Resp: 273715
Ion Ratio Lower Upper
95 100
174 73.6 0.0 163.0
176 70.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029191.D
Acq: 03 Jun 2022 15:39

Tgt Ion: 117 Resp: 562227
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 33.5 24.8 37.2

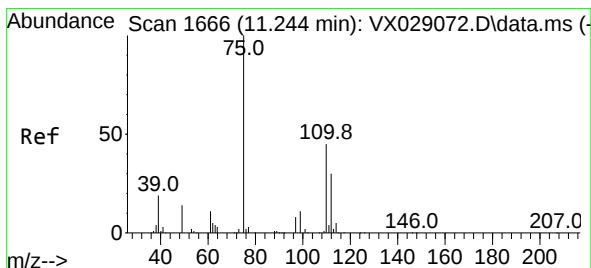
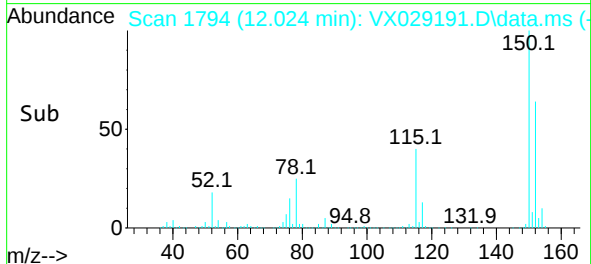
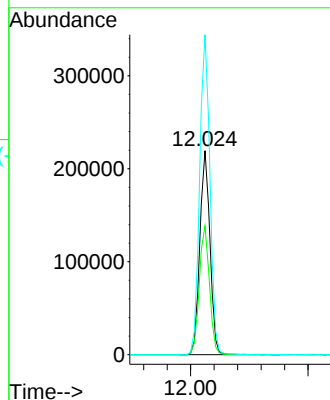
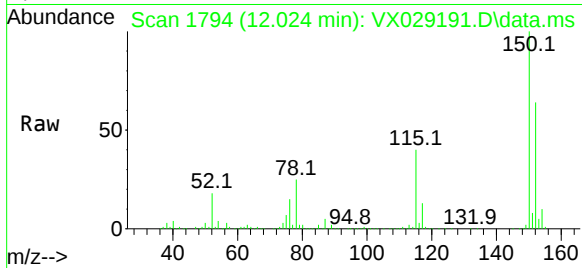




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

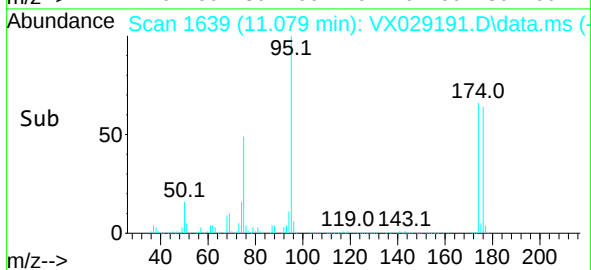
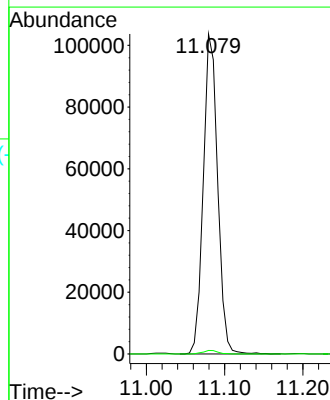
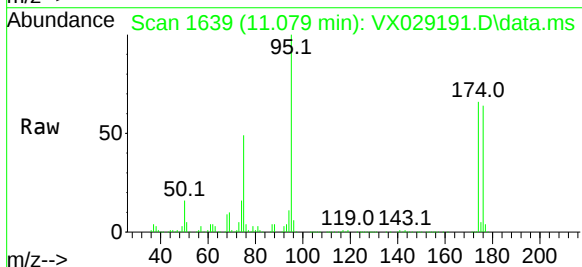
Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20220531

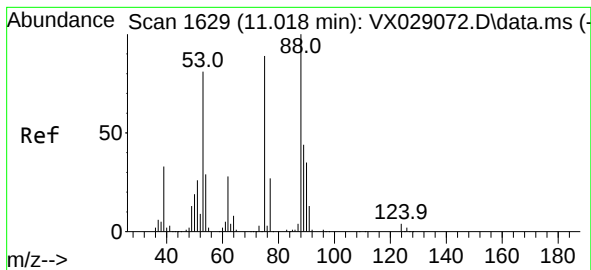
Tgt Ion:152 Resp: 262002
 Ion Ratio Lower Upper
 152 100
 115 63.5 37.5 112.7
 150 159.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.792 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

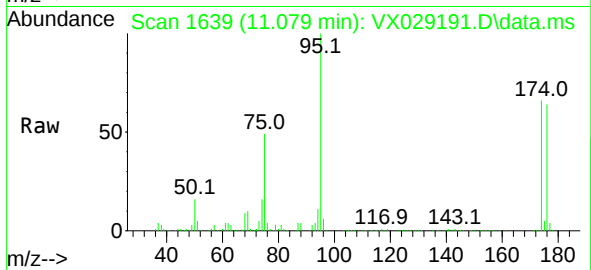
Tgt Ion: 75 Resp: 131676
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.735 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029191.D
 Acq: 03 Jun 2022 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20220531



Tgt Ion: 75 Resp: 131676
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

