

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029195.D
 Acq On : 03 Jun 2022 17:12
 Operator : JC/MD
 Sample : N3119-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40016

Quant Time: Jun 06 02:36:04 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)

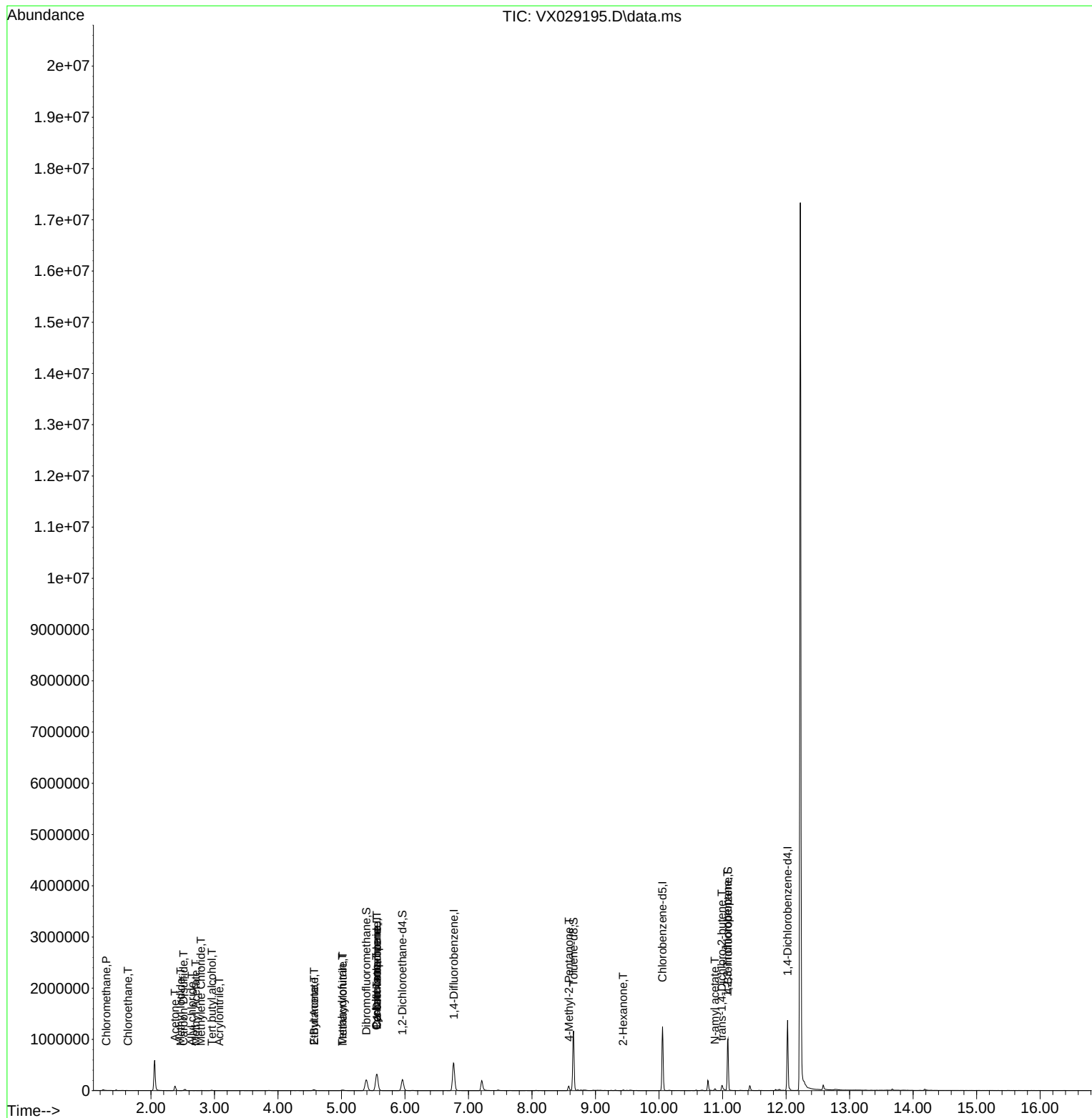
Internal Standards						
1) Pentafluorobenzene	5.556	168	306709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	575959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	205943	59.546	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 119.100%	
35) Dibromofluoromethane	5.391	113	190757	49.863	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.720%	
50) Toluene-d8	8.653	98	698489	49.921	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	11.085	95	289468	53.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	628	0.225	ug/l #	86
5) Bromomethane	1.611	94	645	Below Cal	#	79
6) Chloroethane	1.636	64	612	1.626	ug/l #	43
10) Methyl Iodide	2.465	142	429	4.340	ug/l #	91
11) Tert butyl alcohol	2.959	59	7854	9.803	ug/l	96
14) Allyl chloride	2.642	41	1229	0.296	ug/l #	40
15) Acrylonitrile	3.075	53	377	0.229	ug/l #	72
16) Acetone	2.380	43	89218	65.510	ug/l	99
17) Carbon Disulfide	2.514	76	6159	0.812	ug/l	100
18) Methyl Acetate	2.703	43	1460	0.415	ug/l #	74
20) Methylene Chloride	2.788	84	2207	0.695	ug/l #	88
25) 2-Butanone	4.568	43	29689	13.514	ug/l	95
29) Tetrahydrofuran	5.013	42	10428	7.402	ug/l	90
31) Cyclohexane	5.550	56	6234	1.386	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23590	4.792	ug/l #	50
37) Ethyl Acetate	4.568	43	29689	6.223	ug/l #	65
38) Carbon Tetrachloride	5.556	117	30918	5.496	ug/l #	16
41) Methacrylonitrile	5.019	41	6861	2.663	ug/l #	36
44) Trichloroethene	7.123	130	197	Below Cal		57
51) 4-Methyl-2-Pentanone	8.580	43	51987	10.473	ug/l	95
59) 2-Hexanone	9.433	43	8207	2.124	ug/l	89
74) N-amyl acetate	10.878	43	5645	0.930	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	137584	24.318	ug/l #	39
81) trans-1,4-Dichloro-2-b...	10.988	75	5260	2.728	ug/l #	34

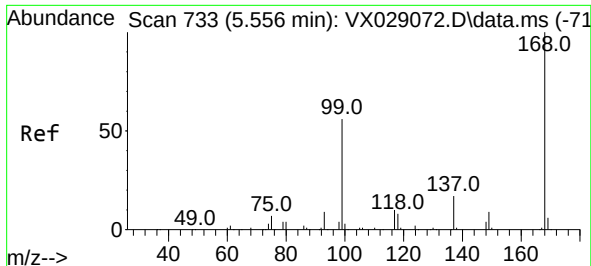
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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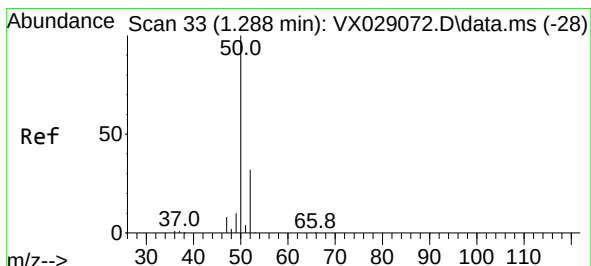
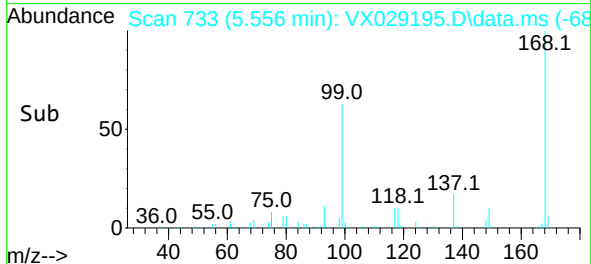
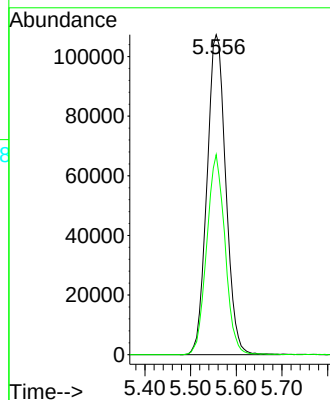
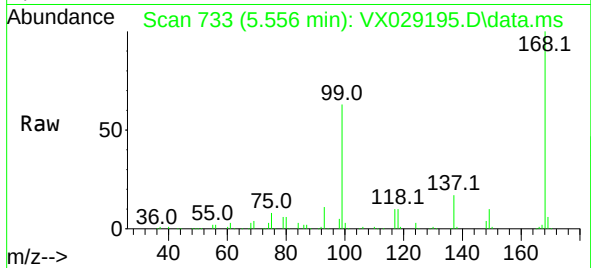




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

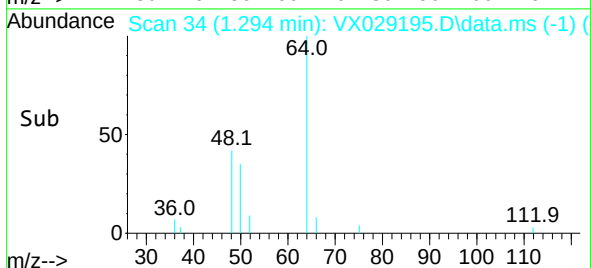
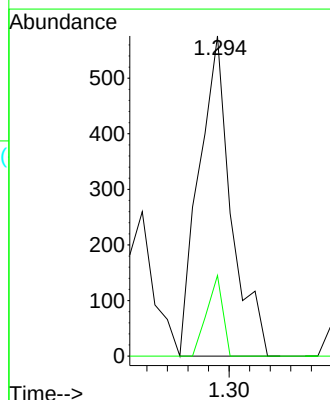
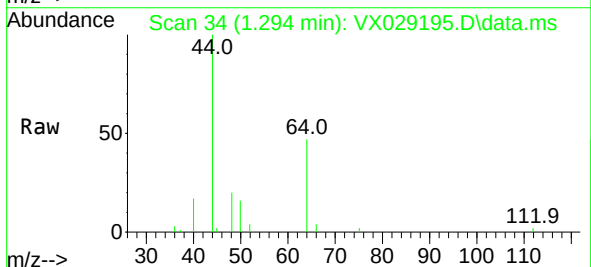
Instrument :
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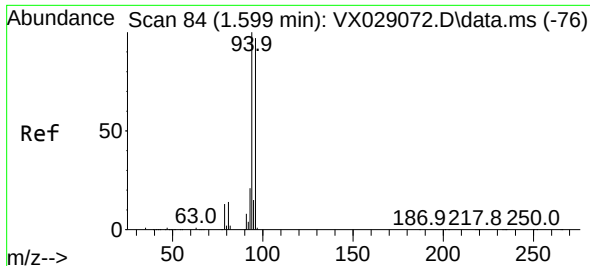
Tgt Ion:168 Resp: 306709
Ion Ratio Lower Upper
168 100
99 62.5 41.7 62.5



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 50 Resp: 628
Ion Ratio Lower Upper
50 100
52 25.2 26.4 39.6#

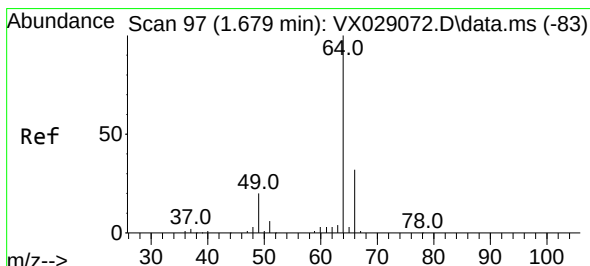
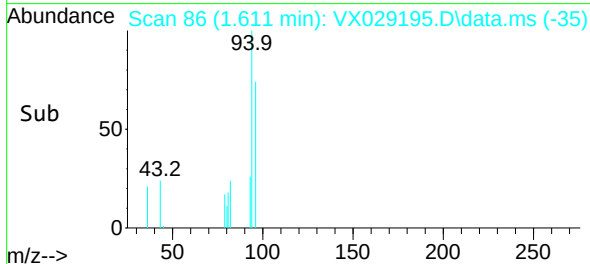
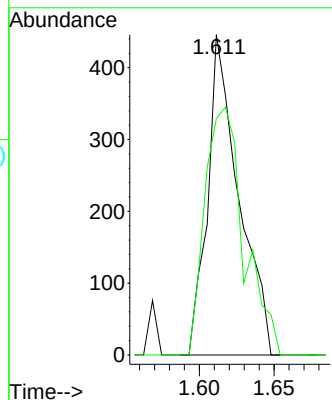
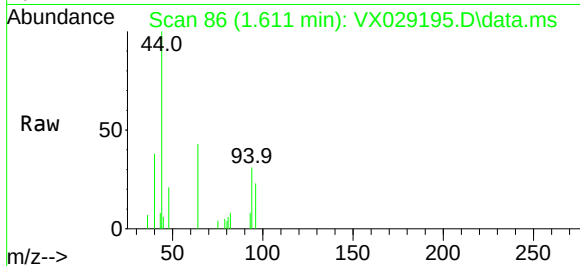




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

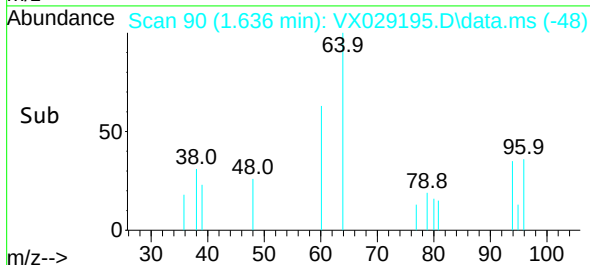
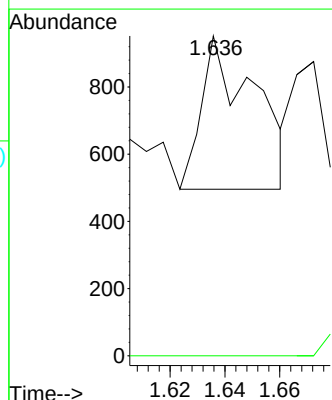
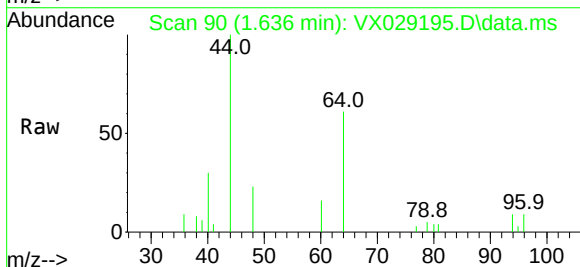
Instrument :
MSVOA_X
ClientSampleId :
40016

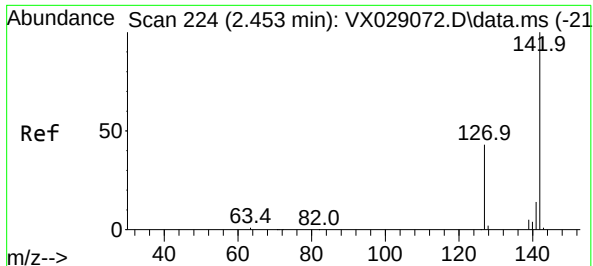
Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 73.8 75.3 112.9#



#6
Chloroethane
Concen: 1.626 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.043 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 64 Resp: 612
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

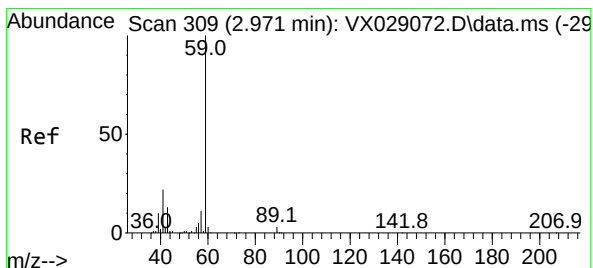
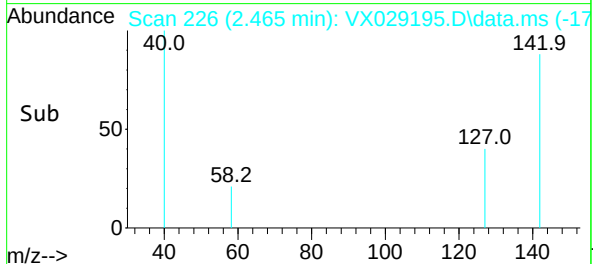
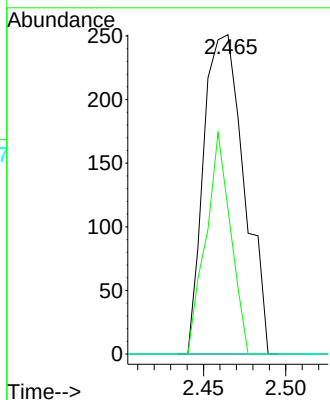
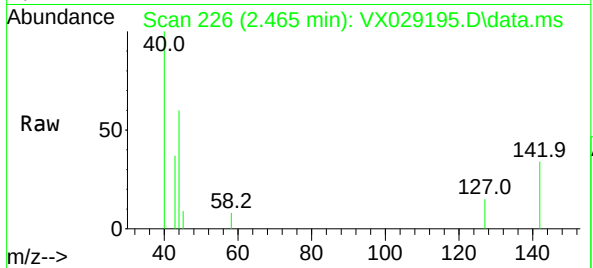




#10
Methyl Iodide
Concen: 4.340 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

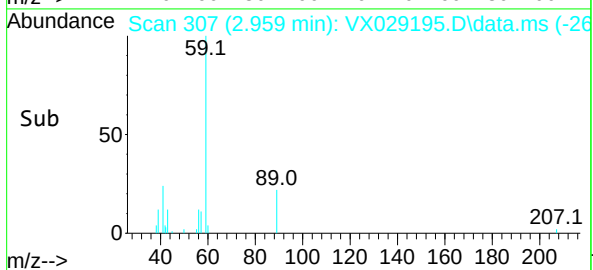
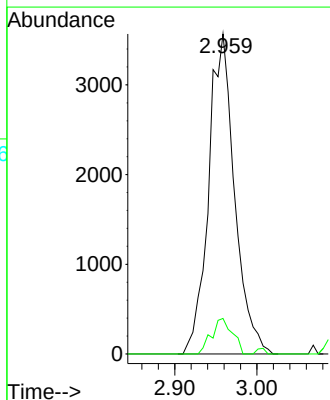
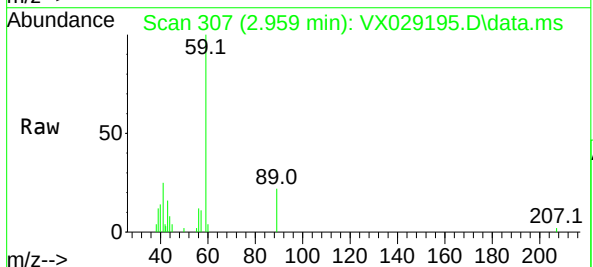
Instrument :
MSVOA_X
ClientSampleId :
40016

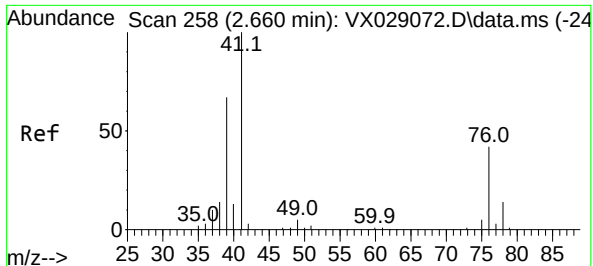
Tgt Ion:142 Resp: 429
Ion Ratio Lower Upper
142 100
127 42.4 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 9.803 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 59 Resp: 7854
Ion Ratio Lower Upper
59 100
57 8.9 8.3 12.5





#14

Allyl chloride

Concen: 0.296 ug/l

RT: 2.642 min Scan# 21

Delta R.T. -0.018 min

Lab File: VX029195.D

Acq: 03 Jun 2022 17:12

Instrument :

MSVOA_X

ClientSampleId :

40016

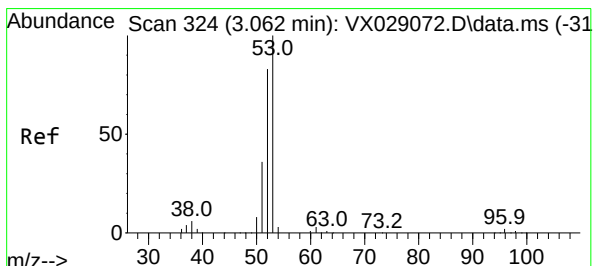
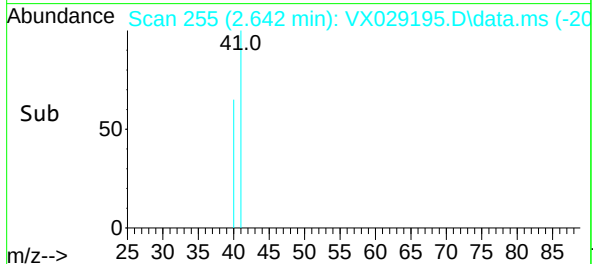
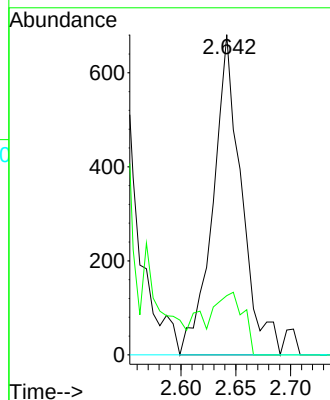
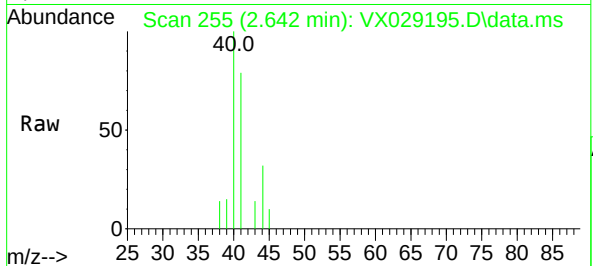
Tgt Ion: 41 Resp: 1229

Ion Ratio Lower Upper

41 100

39 19.5 50.4 75.6#

76 0.0 32.7 49.1#



#15

Acrylonitrile

Concen: 0.229 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.013 min

Lab File: VX029195.D

Acq: 03 Jun 2022 17:12

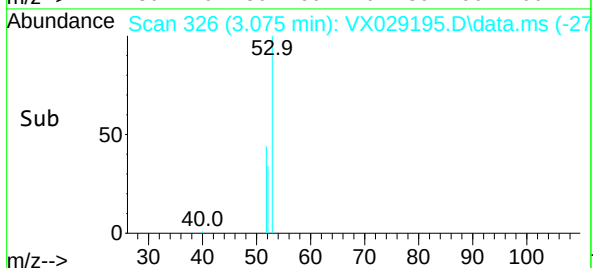
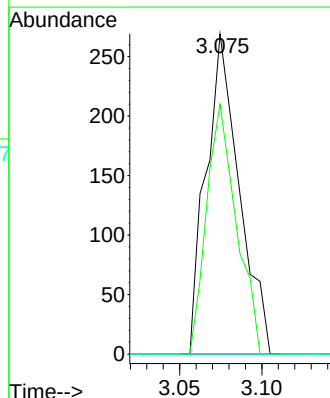
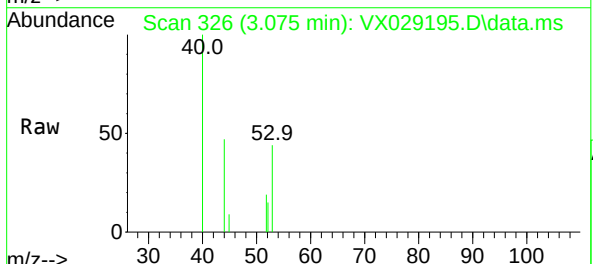
Tgt Ion: 53 Resp: 377

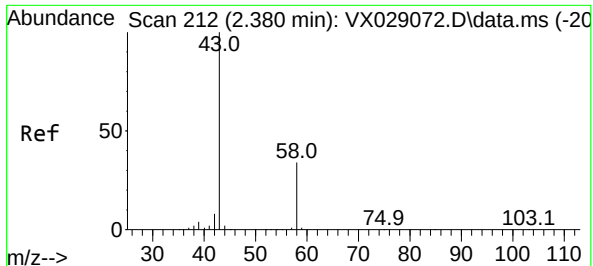
Ion Ratio Lower Upper

53 100

52 70.3 65.7 98.5

51 0.0 28.4 42.6#

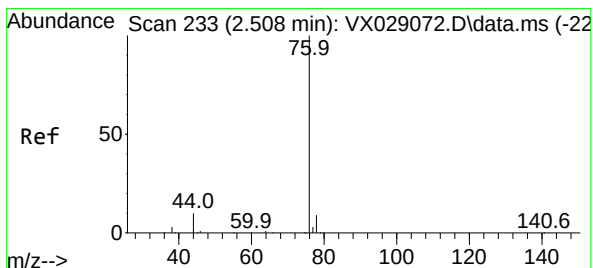
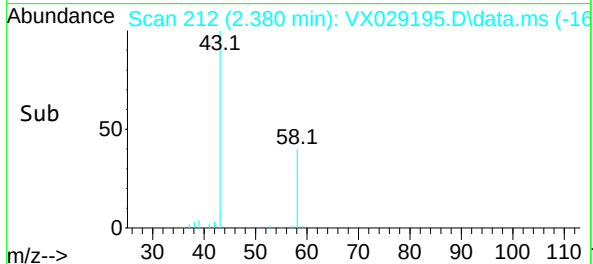
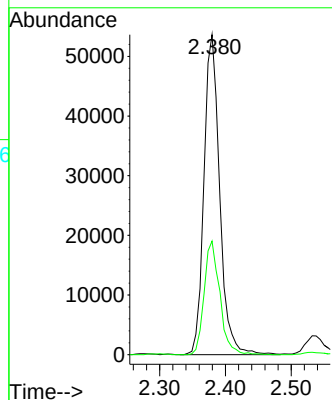
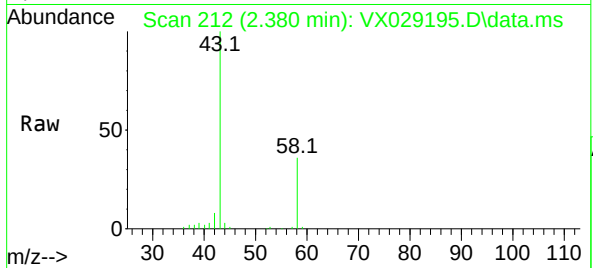




#16
Acetone
Concen: 65.510 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

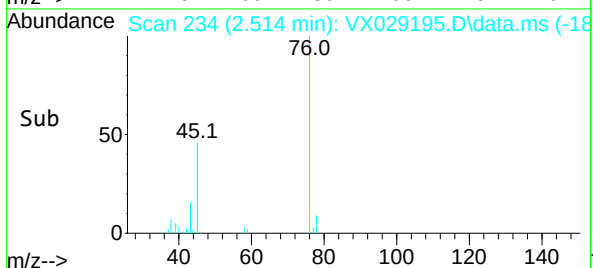
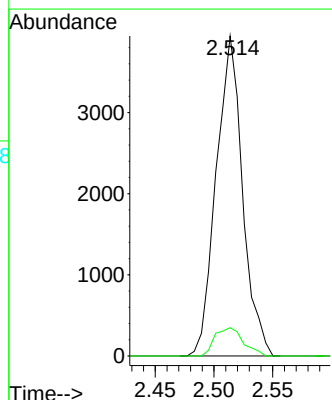
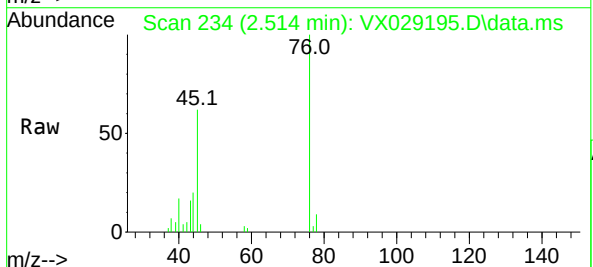
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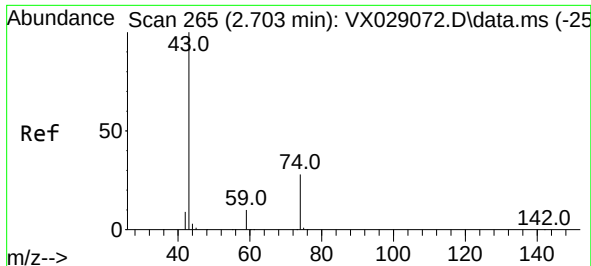
Tgt Ion: 43 Resp: 89218
Ion Ratio Lower Upper
43 100
58 35.5 28.8 43.2



#17
Carbon Disulfide
Concen: 0.812 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 76 Resp: 6159
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

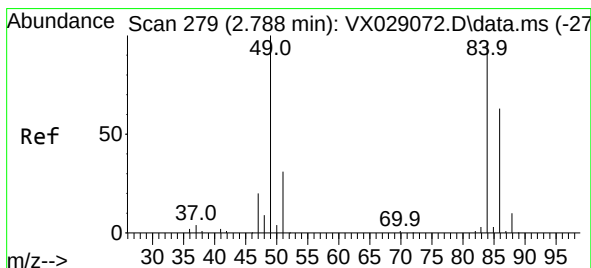
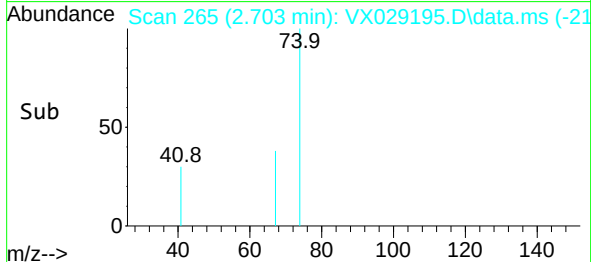
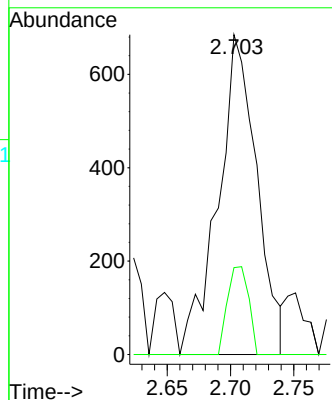
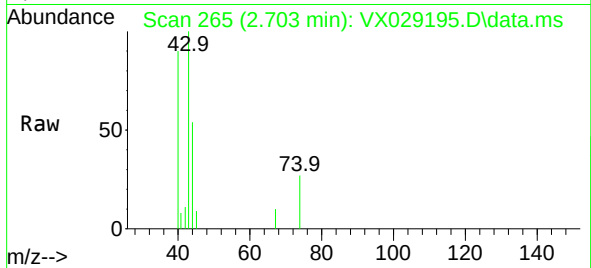




#18
Methyl Acetate
Concen: 0.415 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

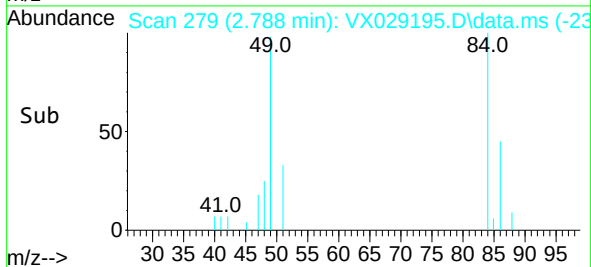
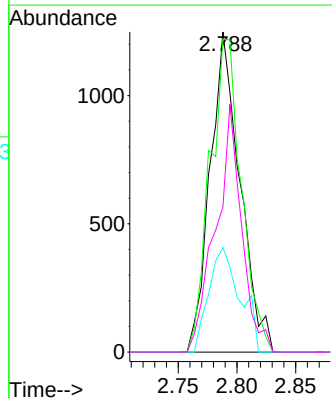
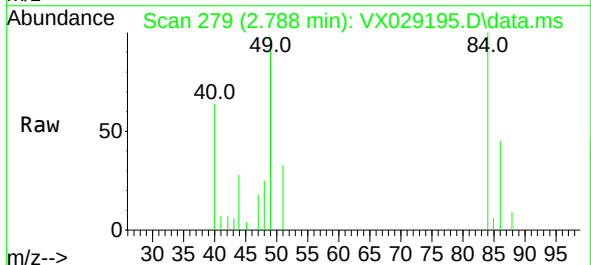
Instrument :
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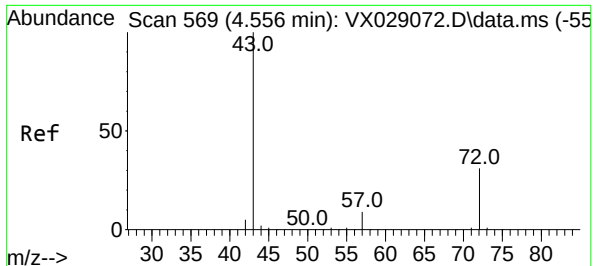
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
74 14.9 22.8 34.2#



#20
Methylene Chloride
Concen: 0.695 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 84 Resp: 2207
Ion Ratio Lower Upper
84 100
49 97.8 85.5 128.3
51 32.7 26.6 39.8
86 45.4 51.5 77.3#

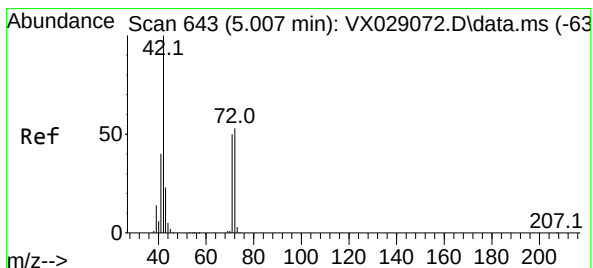
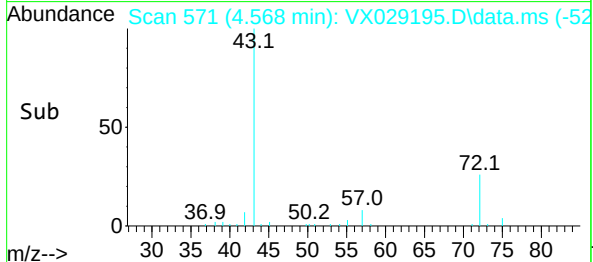
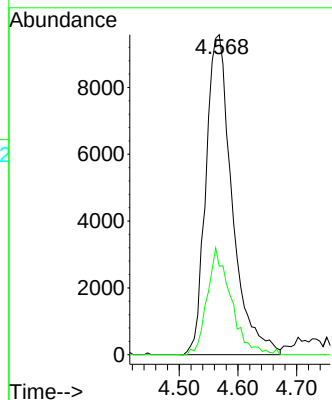
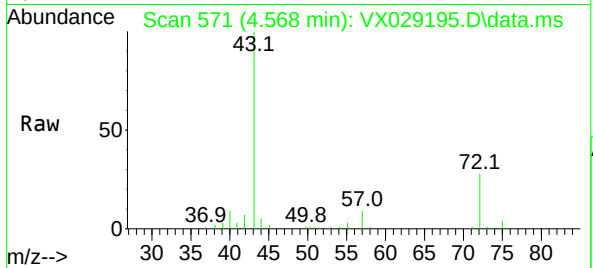




#25
2-Butanone
Concen: 13.514 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

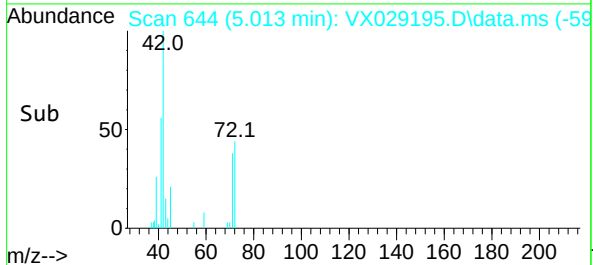
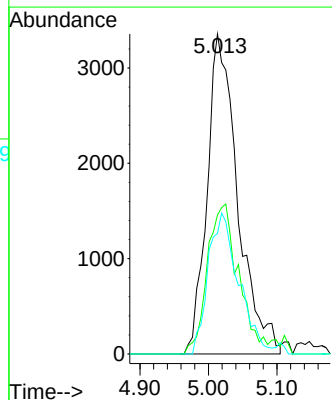
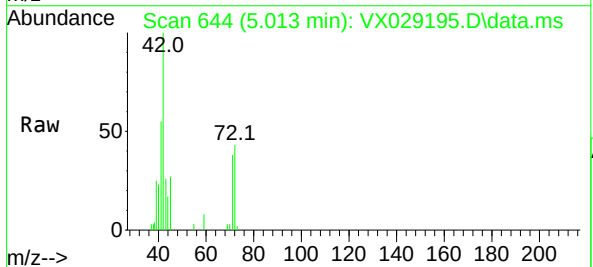
Instrument :
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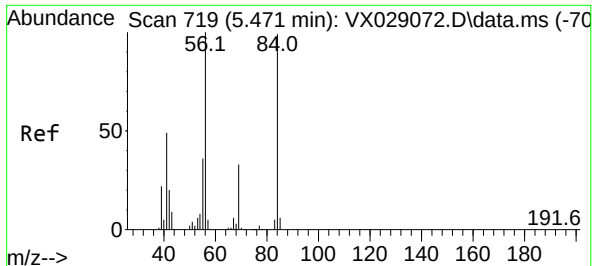
Tgt Ion: 43 Resp: 29689
Ion Ratio Lower Upper
43 100
72 27.7 24.4 36.6



#29
Tetrahydrofuran
Concen: 7.402 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 42 Resp: 10428
Ion Ratio Lower Upper
42 100
72 48.3 44.1 66.1
71 43.7 40.5 60.7

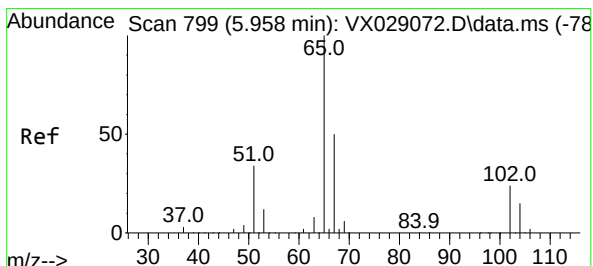
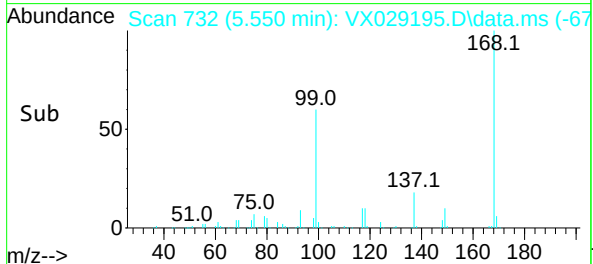
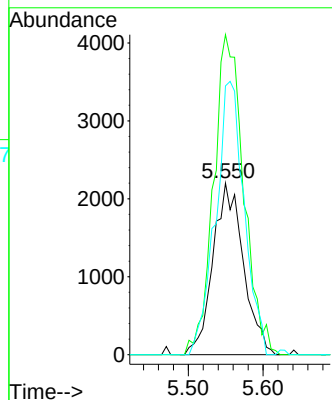
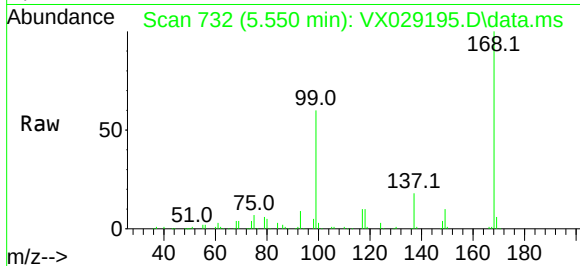




#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

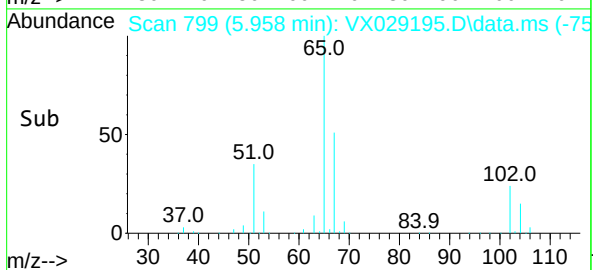
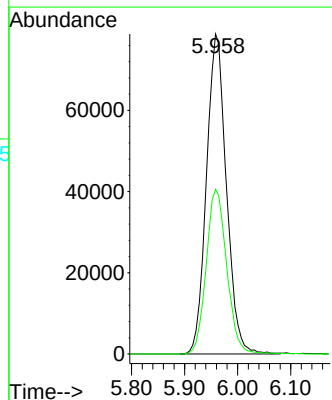
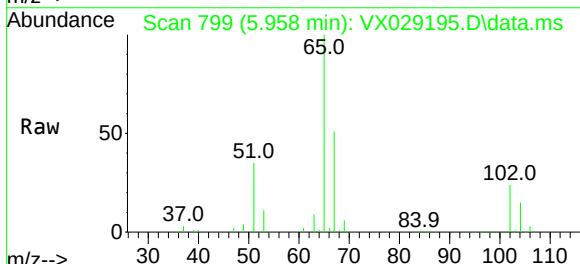
Instrument :
MSVOA_X
ClientSampleId :
40016

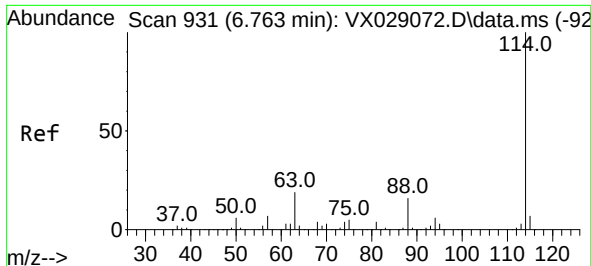
Tgt Ion: 56 Resp: 6234
Ion Ratio Lower Upper
56 100
69 186.6 26.7 40.1#
84 156.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 59.546 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 65 Resp: 205943
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

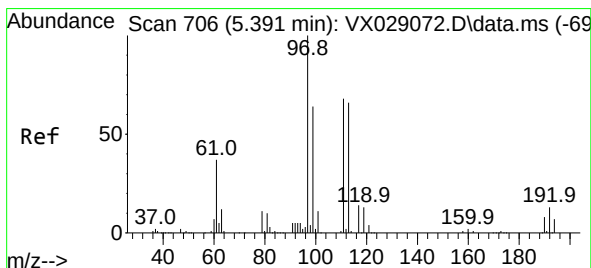
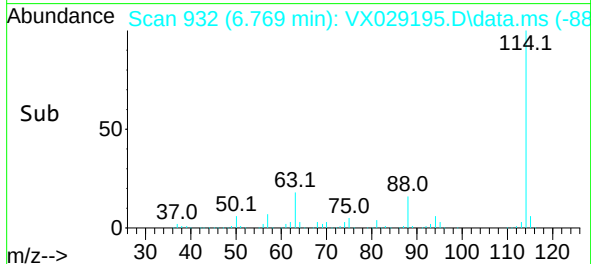
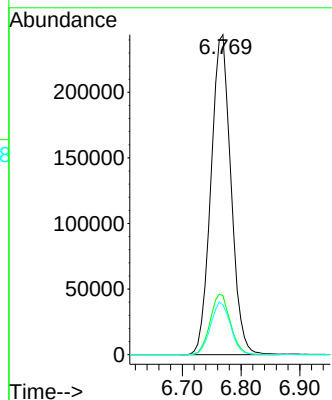
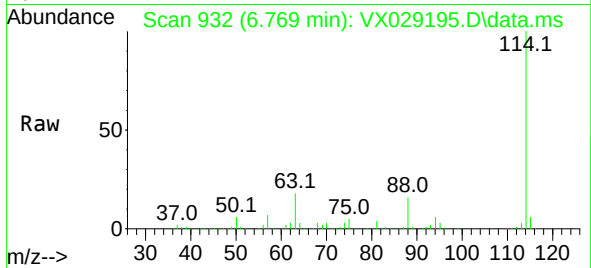




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

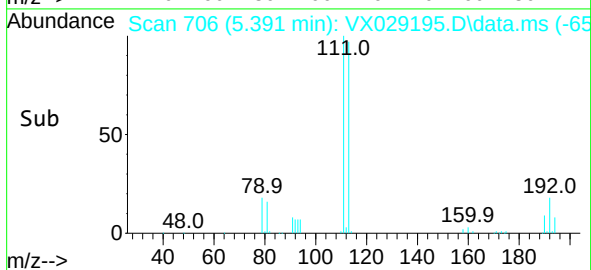
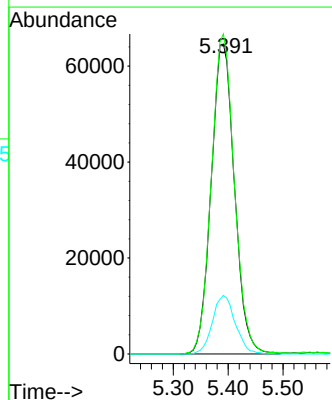
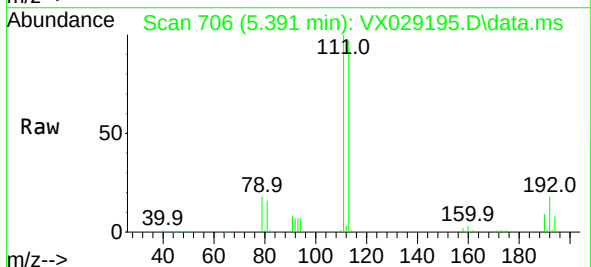
Instrument :
MSVOA_X
ClientSampleId :
40016

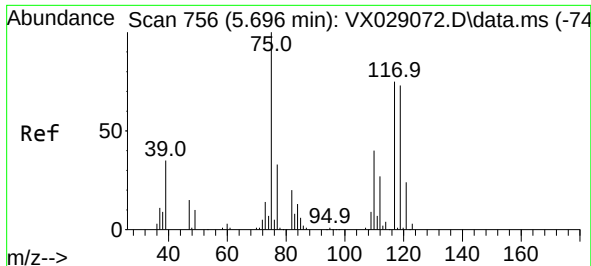
Tgt Ion:114 Resp: 575959
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.863 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

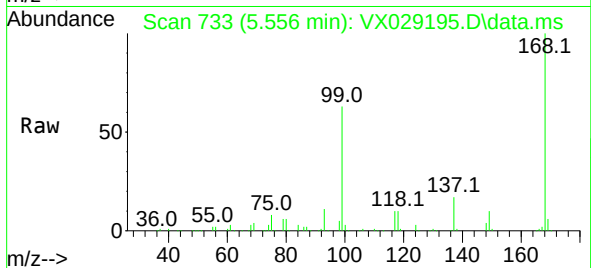
Tgt Ion:113 Resp: 190757
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 18.5 16.9 25.3



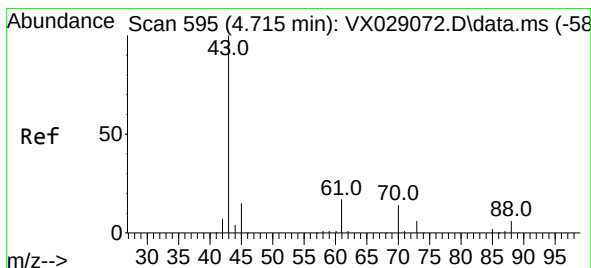
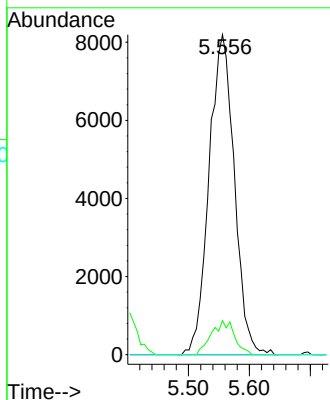
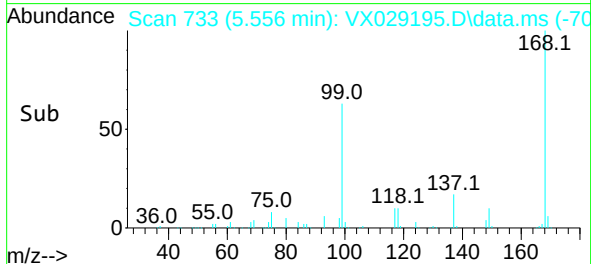


#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX029195.D
 Acq: 03 Jun 2022 17:12

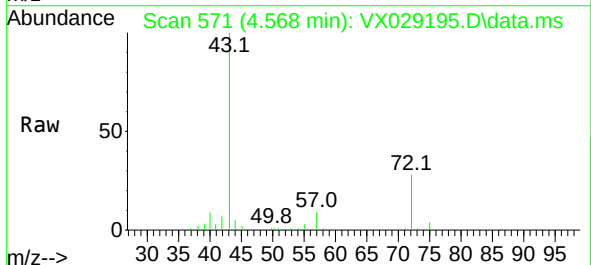
Instrument :
 MSVOA_X
 ClientSampleId :
 40016



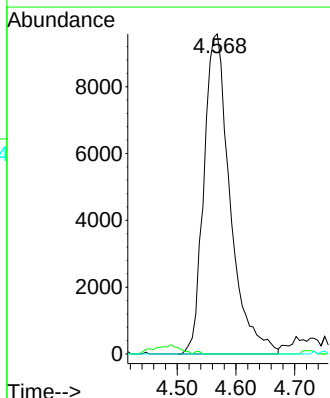
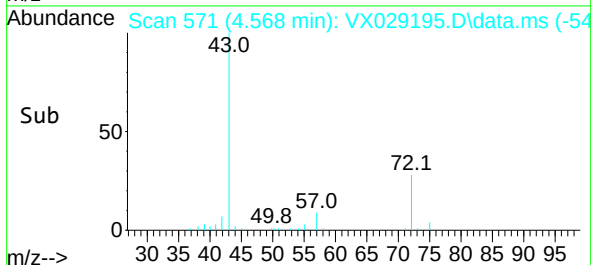
Tgt Ion: 75 Resp: 23590
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.3 54.8#
 77 0.0 24.8 37.2#

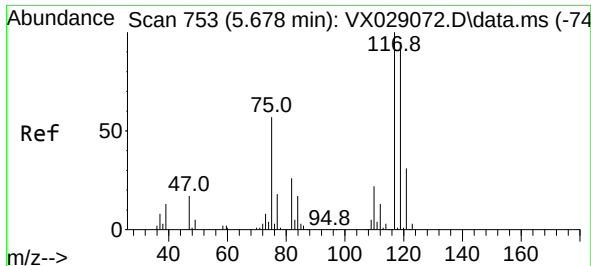


#37
 Ethyl Acetate
 Concen: 6.223 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. -0.147 min
 Lab File: VX029195.D
 Acq: 03 Jun 2022 17:12



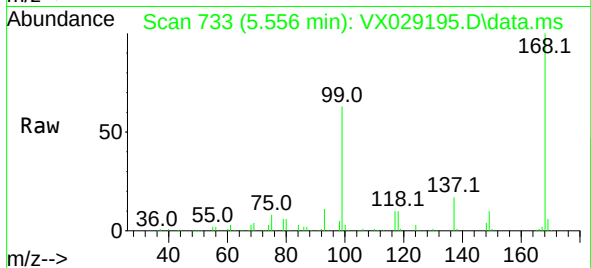
Tgt Ion: 43 Resp: 29689
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.6 19.0#
 70 0.0 10.2 15.2#



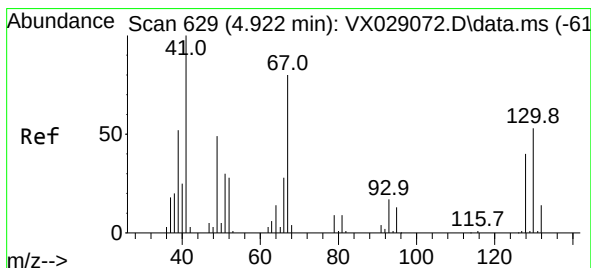
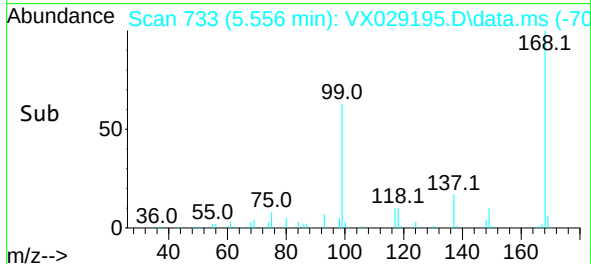
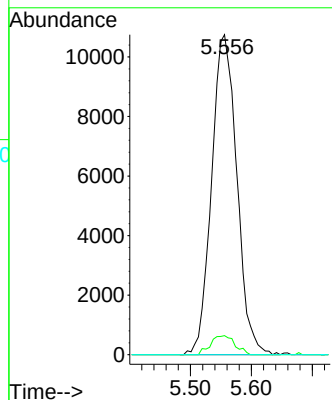


#38
Carbon Tetrachloride
Concen: 5.496 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :
40016

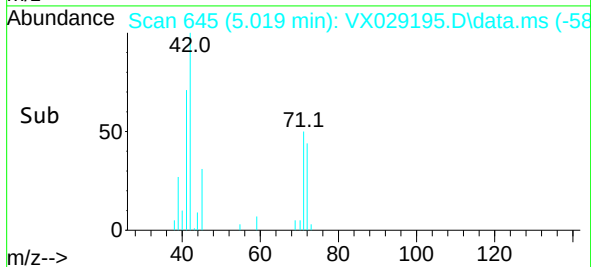
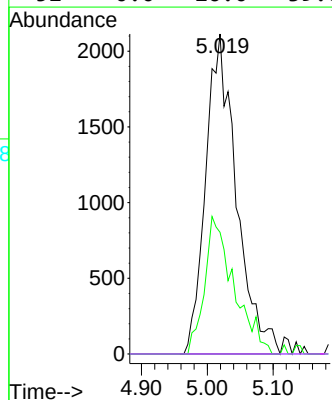
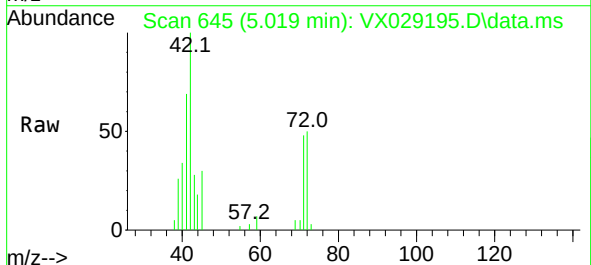


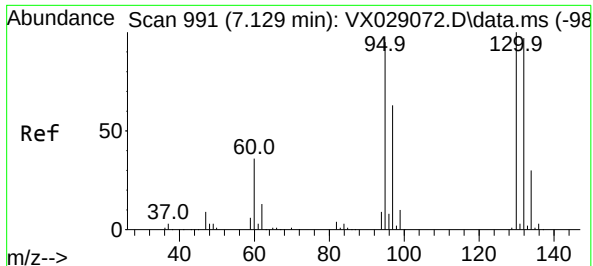
Tgt Ion:117 Resp: 30918
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.663 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 41 Resp: 6861
Ion Ratio Lower Upper
41 100
39 41.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

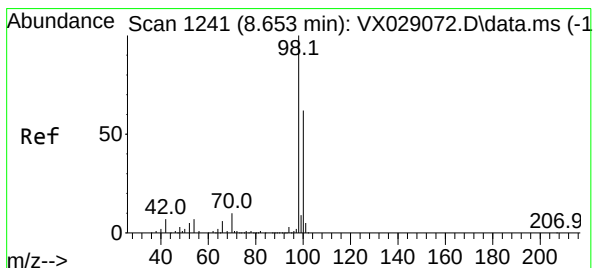
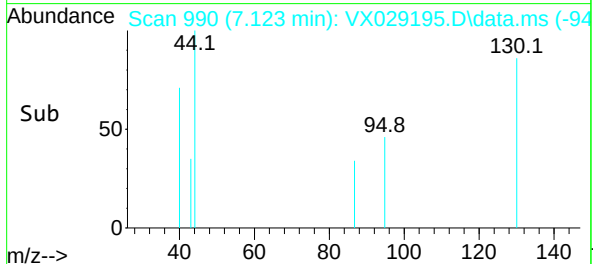
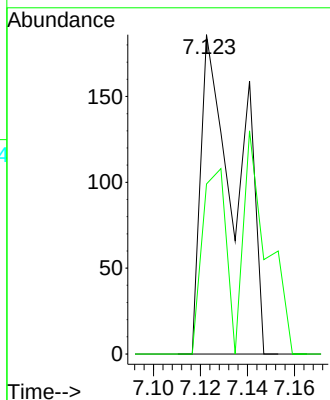
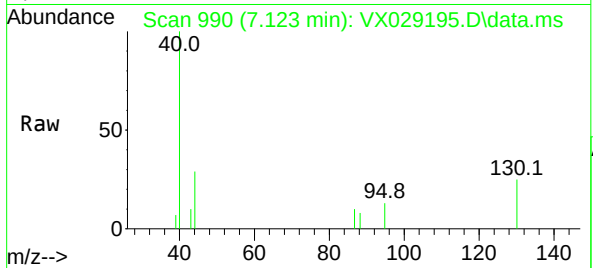




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.123 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VX029195.D
 Acq: 03 Jun 2022 17:12

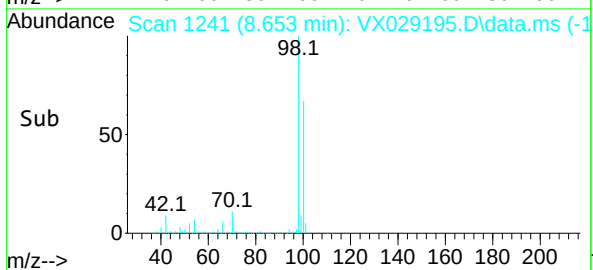
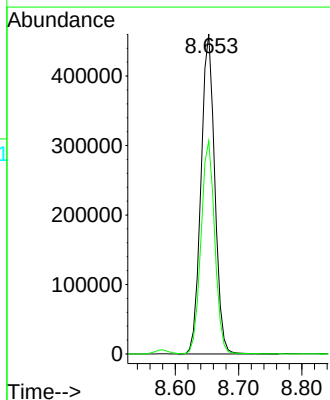
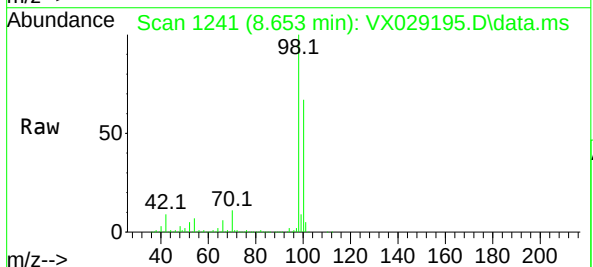
Instrument :
 MSVOA_X
 ClientSampleId :
 40016

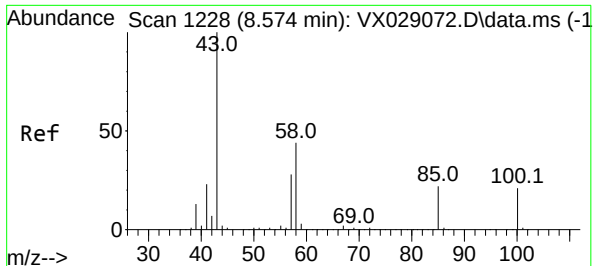
Tgt Ion:130 Resp: 197
 Ion Ratio Lower Upper
 130 100
 95 53.2 0.0 188.8



#50
 Toluene-d8
 Concen: 49.921 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029195.D
 Acq: 03 Jun 2022 17:12

Tgt Ion: 98 Resp: 698489
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 10.473 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX029195.D

Acq: 03 Jun 2022 17:12

Instrument :

MSVOA_X

ClientSampleId :

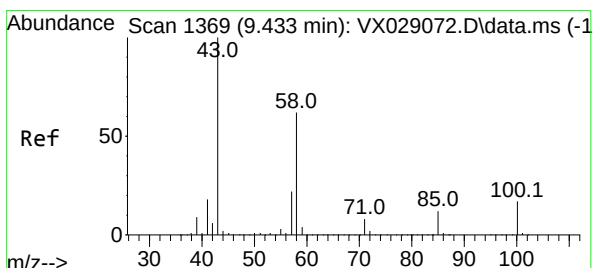
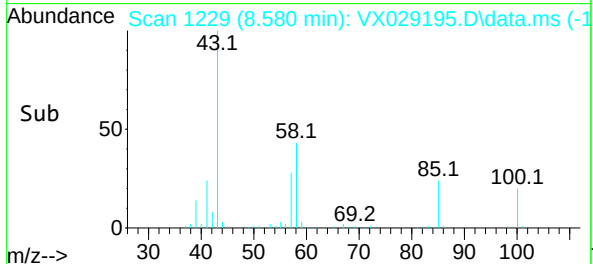
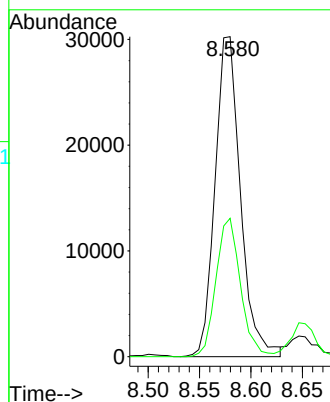
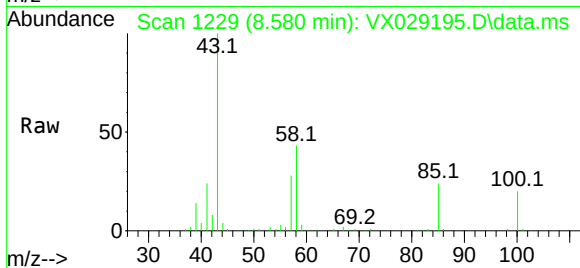
40016

Tgt Ion: 43 Resp: 51987

Ion Ratio Lower Upper

43 100

58 41.7 36.1 54.1



#59

2-Hexanone

Concen: 2.124 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX029195.D

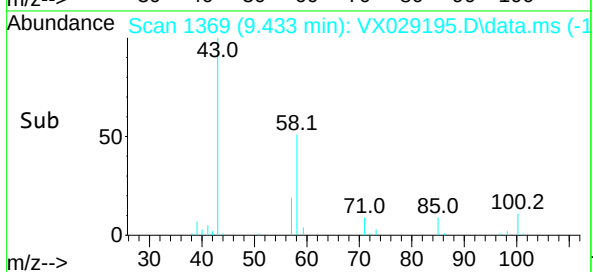
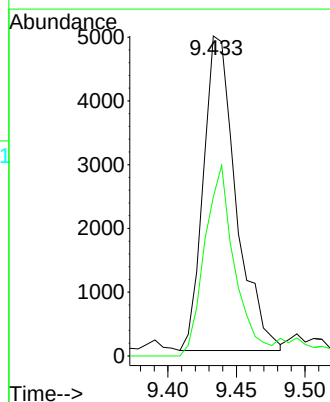
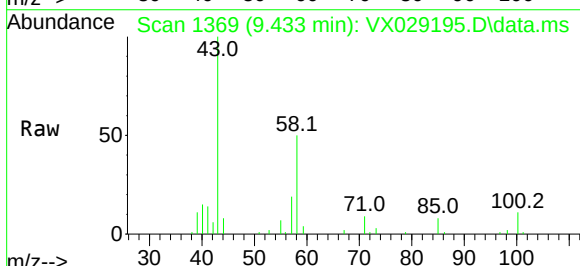
Acq: 03 Jun 2022 17:12

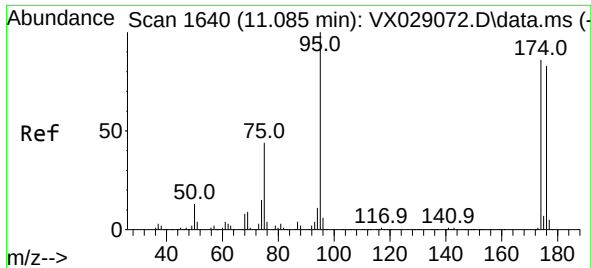
Tgt Ion: 43 Resp: 8207

Ion Ratio Lower Upper

43 100

58 55.3 31.9 95.7

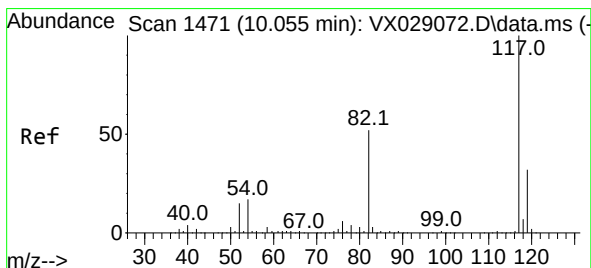
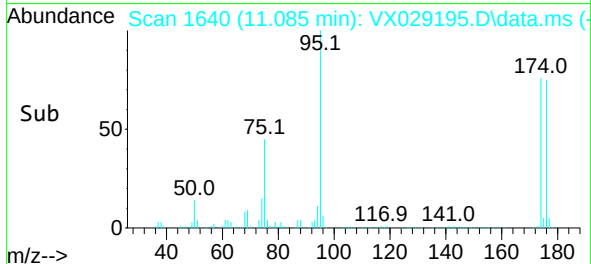
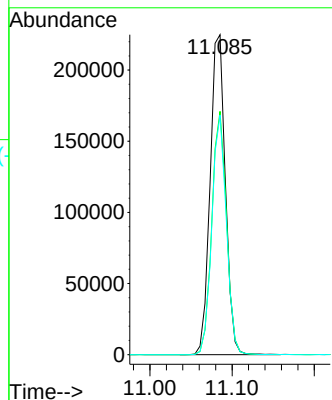
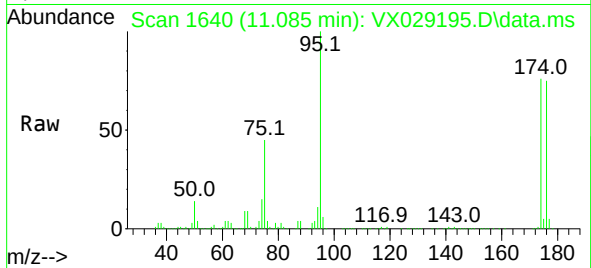




#62
4-Bromofluorobenzene
Concen: 53.520 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

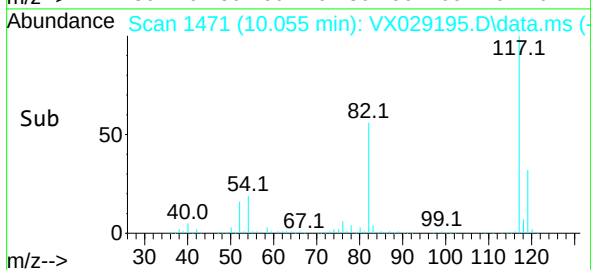
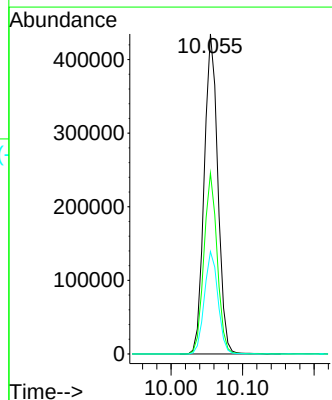
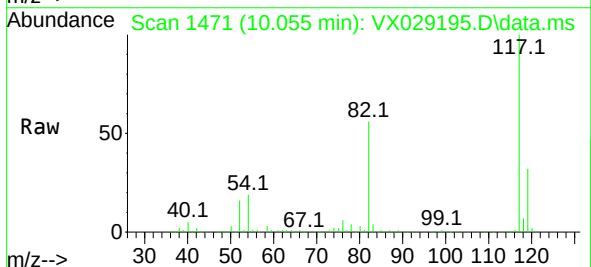
Instrument :
MSVOA_X
ClientSampleId :
40016

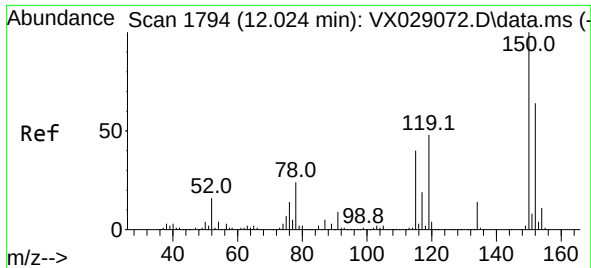
Tgt Ion: 95 Resp: 289468
Ion Ratio Lower Upper
95 100
174 73.1 0.0 163.0
176 71.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 117 Resp: 576549
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 32.0 24.8 37.2

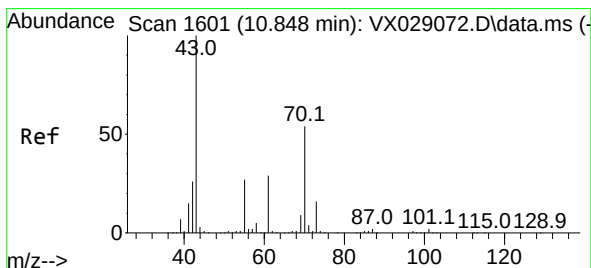
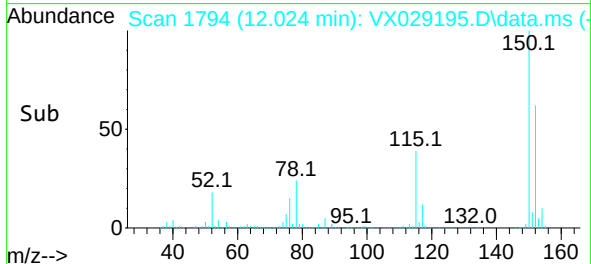
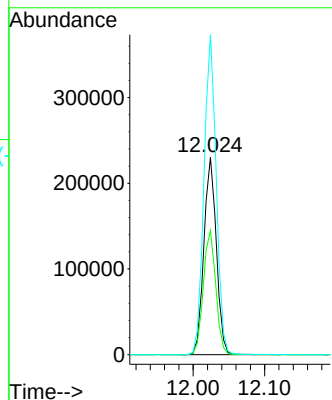
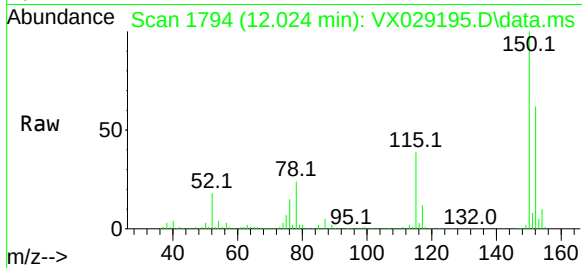




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

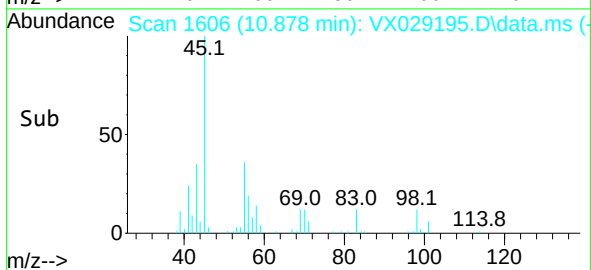
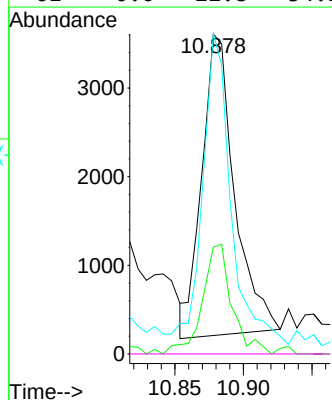
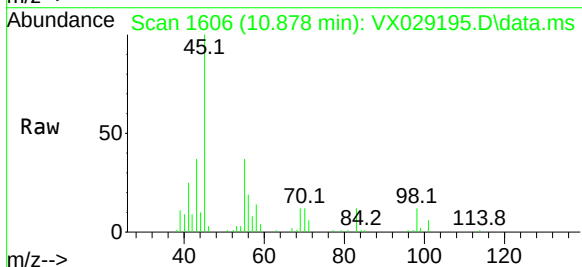
Instrument :
MSVOA_X
ClientSampleId :
40016

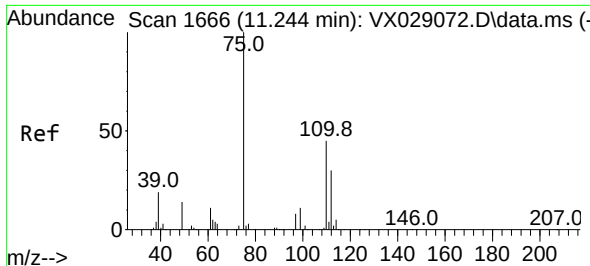
Tgt Ion:152 Resp: 279088
Ion Ratio Lower Upper
152 100
115 62.8 37.5 112.7
150 158.9 0.0 338.2



#74
N-ethyl acetate
Concen: 0.930 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.030 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 43 Resp: 5645
Ion Ratio Lower Upper
43 100
70 33.2 42.5 63.7#
55 91.6 23.1 34.7#
61 0.0 22.8 34.2#

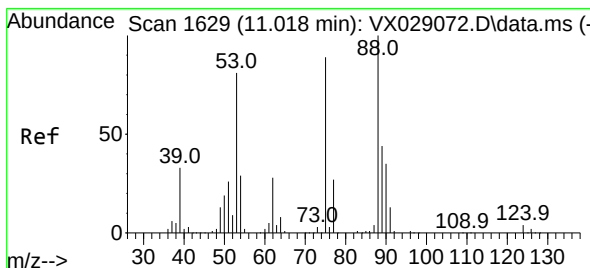
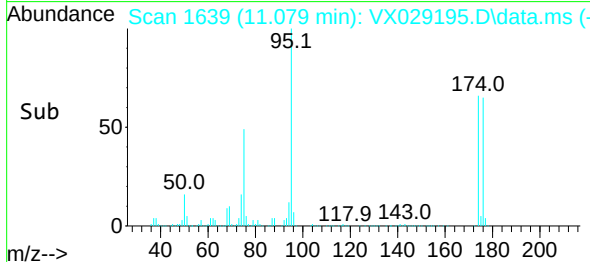
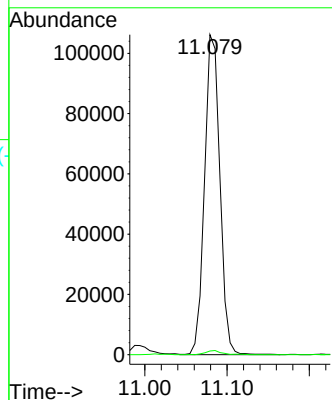
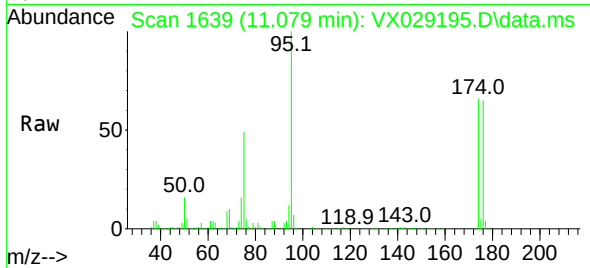




#76
1,2,3-Trichloropropane
Concen: 24.318 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :
40016

Tgt Ion: 75 Resp: 137584
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 2.728 ug/l
RT: 10.988 min Scan# 1624
Delta R.T. -0.030 min
Lab File: VX029195.D
Acq: 03 Jun 2022 17:12

Tgt Ion: 75 Resp: 5260
Ion Ratio Lower Upper
75 100
53 22.9 69.0 103.4#
89 5.1 37.0 55.6#

