

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061522\
 Data File : VX029525.D
 Acq On : 15 Jun 2022 23:44
 Operator : JC/MD
 Sample : N3304-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14A-1A-10-G

Quant Time: Jun 16 04:17:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

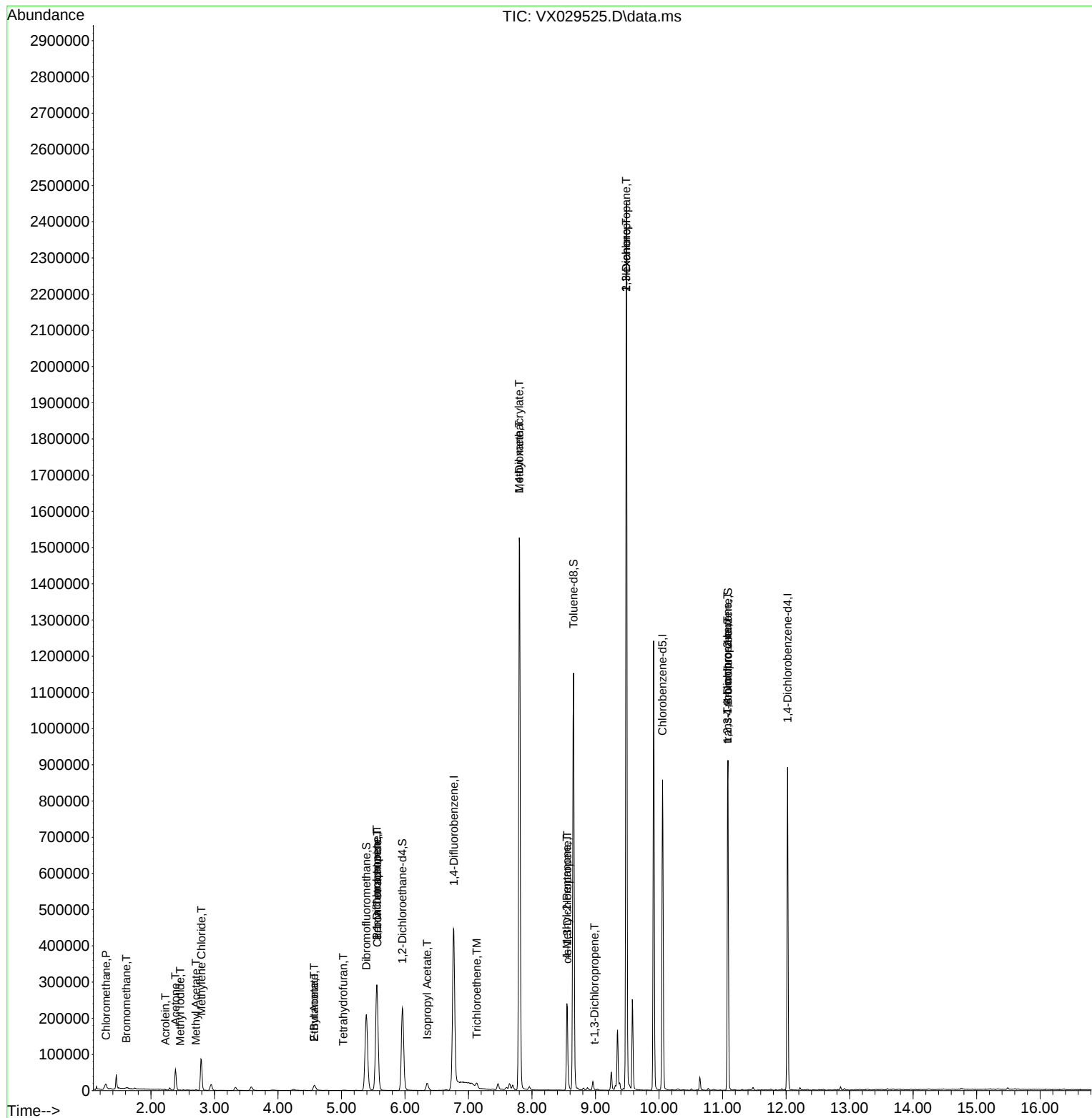
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	272217	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	458803	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	222644	53.866	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.740%	
35) Dibromofluoromethane	5.391	113	185094	47.454	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.900%	
50) Toluene-d8	8.653	98	683539	49.550	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	11.085	95	257904	47.774	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.540%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	2123	0.460	ug/l	# 85
5) Bromomethane	1.611	94	701	0.273	ug/l	# 69
6) Chloroethane	1.685	64	849	Below Cal	#	75
10) Methyl Iodide	2.459	142	1089	1.440	ug/l	# 76
11) Tert butyl alcohol	2.947	59	10095	Below Cal	#	73
13) Acrolein	2.227	56	128	0.255	ug/l	# 1
16) Acetone	2.386	43	61070	27.732	ug/l	95
18) Methyl Acetate	2.709	43	1917	0.329	ug/l	92
20) Methylene Chloride	2.794	84	42146	8.570	ug/l	98
25) 2-Butanone	4.568	43	20647	5.927	ug/l	89
29) Tetrahydrofuran	5.025	42	557	0.245	ug/l	# 71
36) 1,1-Dichloropropene	5.556	75	21378	3.318	ug/l	# 49
37) Ethyl Acetate	4.568	43	20647	3.104	ug/l	# 65
38) Carbon Tetrachloride	5.562	117	28931	4.393	ug/l	# 15
41) Methacrylonitrile	4.958	41	53	Below Cal	#	18
43) Isopropyl Acetate	6.348	43	26579	2.660	ug/l	95
44) Trichloroethene	7.129	130	4827	0.924	ug/l	97
48) Methyl methacrylate	7.799	41	123294	24.534	ug/l	# 31
49) 1,4-Dioxane	7.799	88	169	1.307	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	81730	12.498	ug/l	# 47
53) t-1,3-Dichloropropene	8.982	75	133	1.335	ug/l	# 43
54) cis-1,3-Dichloropropene	8.555	75	41574	5.743	ug/l	# 62
57) 1,3-Dichloropropane	9.482	76	23006	2.740	ug/l	# 43
59) 2-Hexanone	9.482	43	275749	55.462	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	124692	29.842	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	124692	90.920	ug/l	# 15

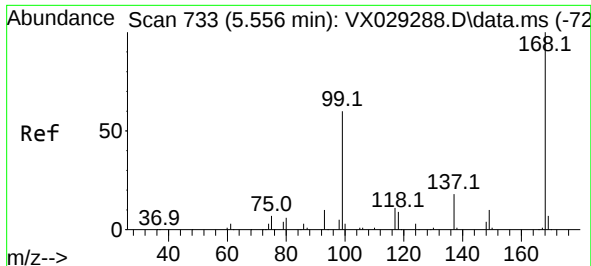
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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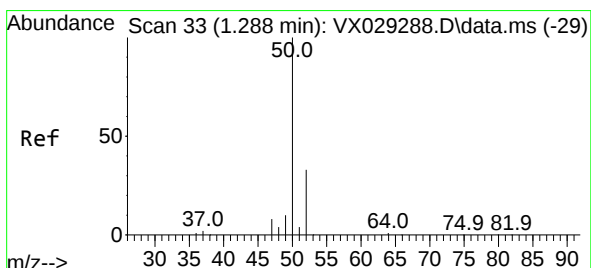
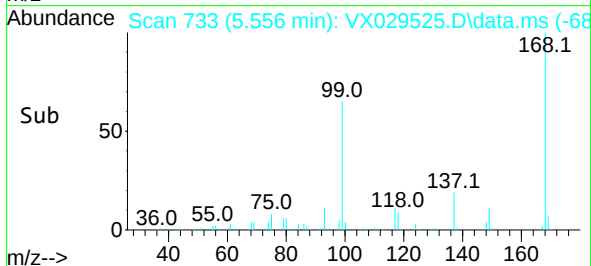
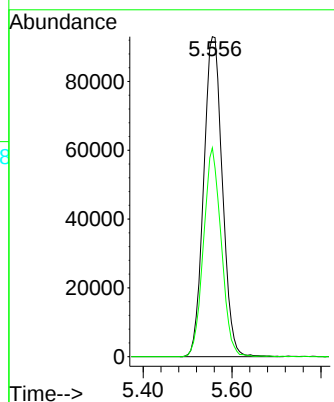
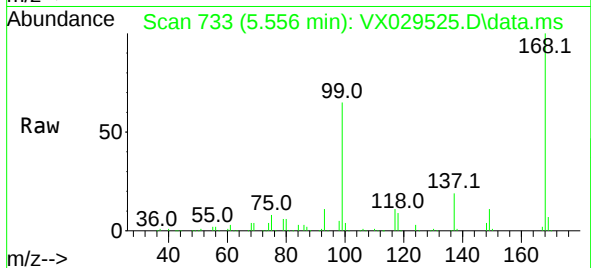




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

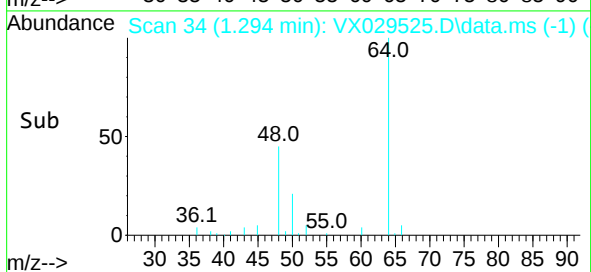
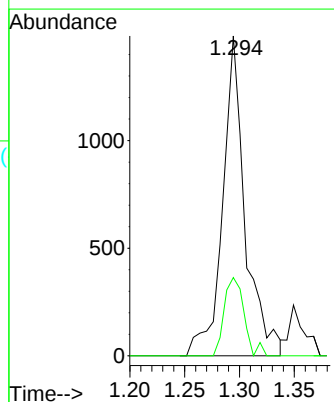
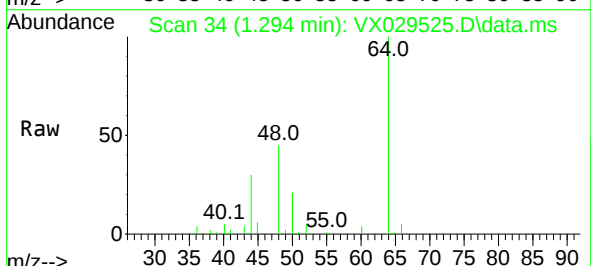
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

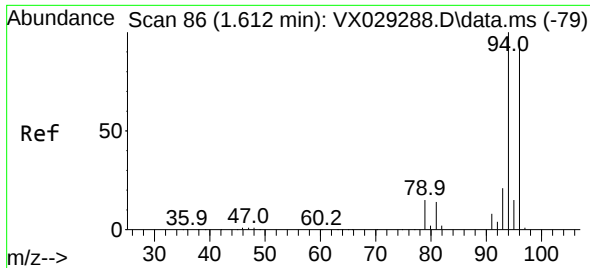
Tgt Ion:168 Resp: 272217
Ion Ratio Lower Upper
168 100
99 65.3 41.7 62.5#



#3
Chloromethane
Concen: 0.460 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 50 Resp: 2123
Ion Ratio Lower Upper
50 100
52 24.5 26.4 39.6#

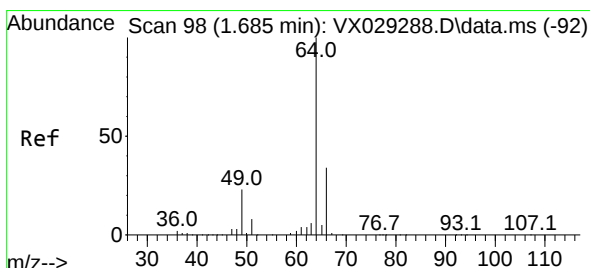
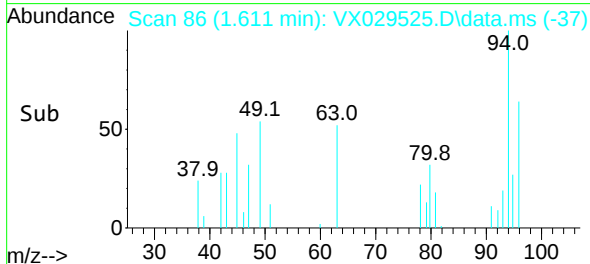
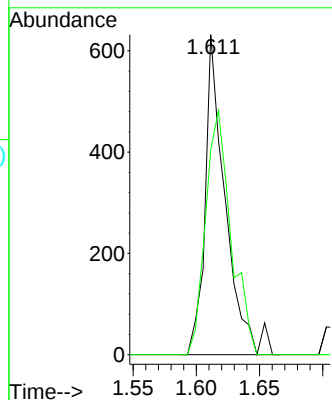
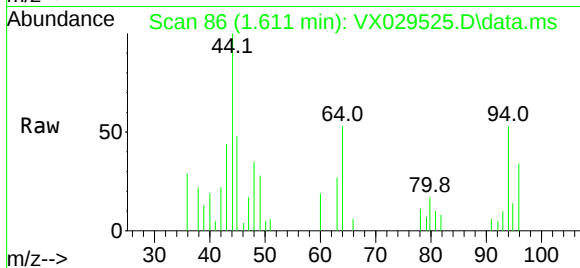




#5
Bromomethane
Concen: 0.273 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.001 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

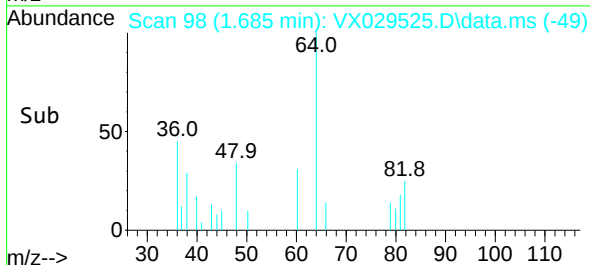
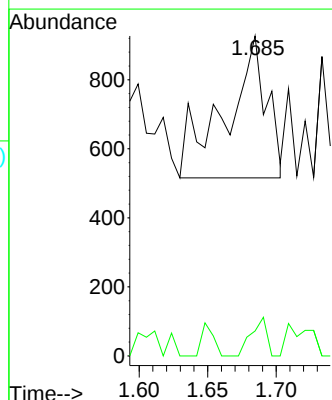
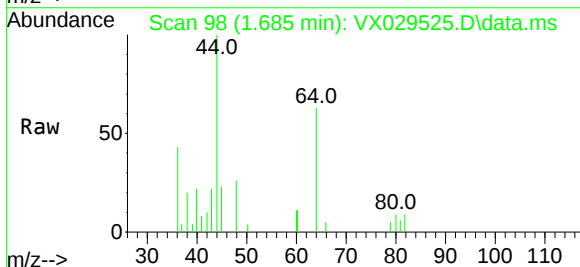
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

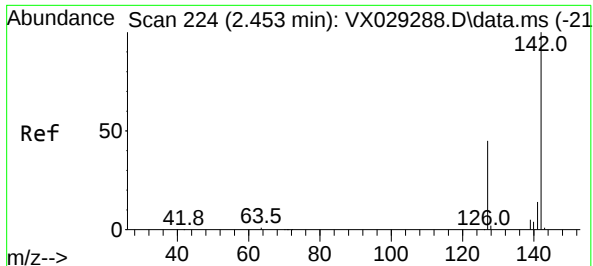
Tgt Ion: 94 Resp: 701
Ion Ratio Lower Upper
94 100
96 64.1 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

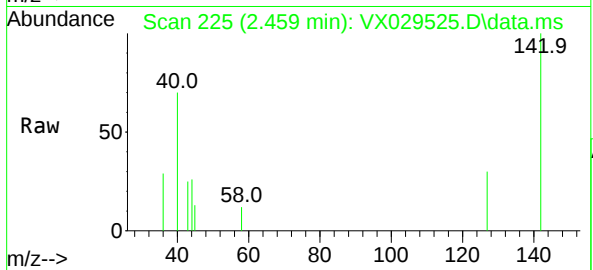
Tgt Ion: 64 Resp: 849
Ion Ratio Lower Upper
64 100
66 17.5 25.3 37.9#



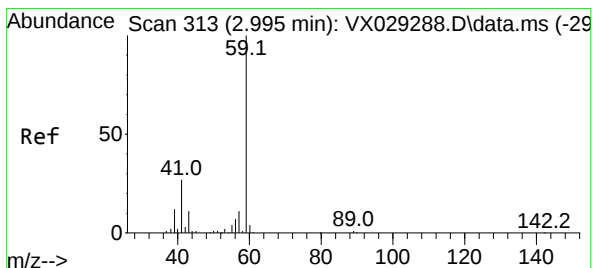
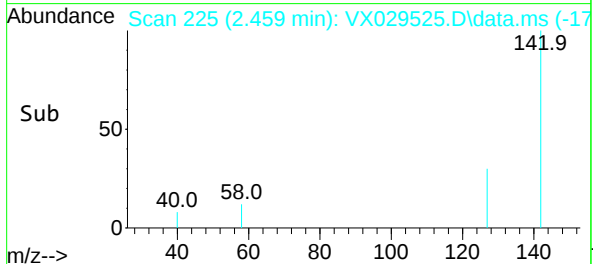
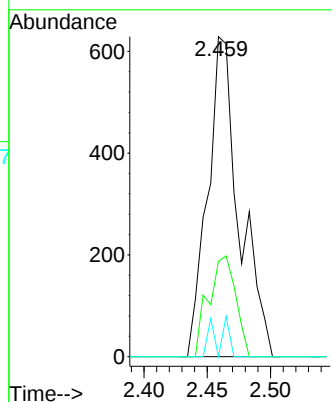


#10
Methyl Iodide
Concen: 1.440 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

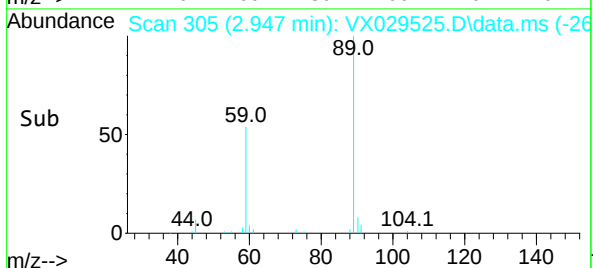
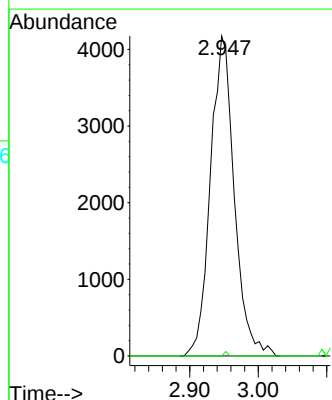
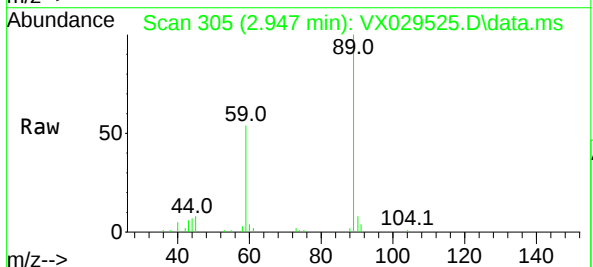


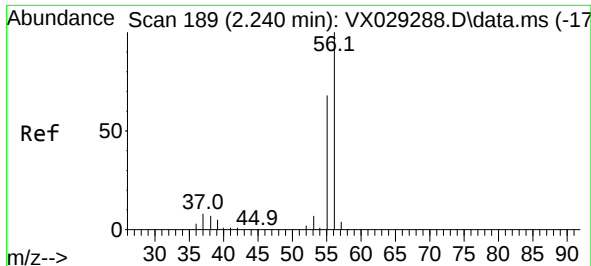
Tgt Ion:142 Resp: 1089
Ion Ratio Lower Upper
142 100
127 27.2 33.9 50.9#
141 5.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 59 Resp: 10095
Ion Ratio Lower Upper
59 100
57 0.2 8.3 12.5#

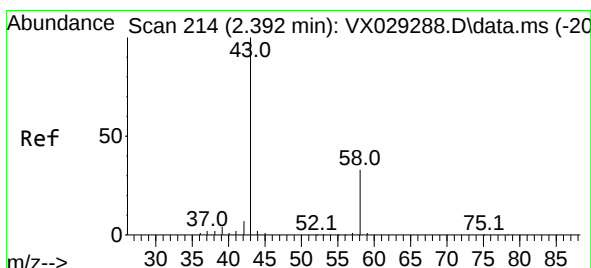
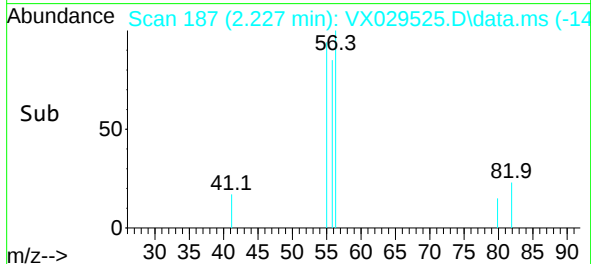
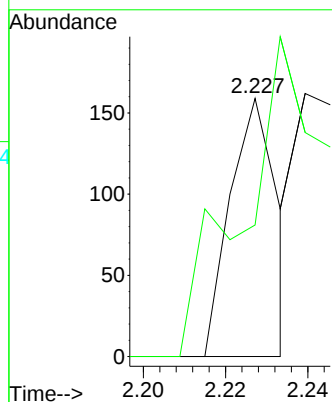
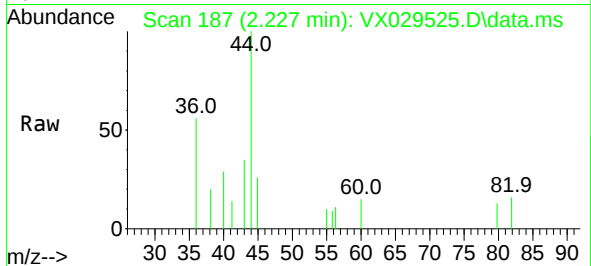




#13
Acrolein
Concen: 0.255 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

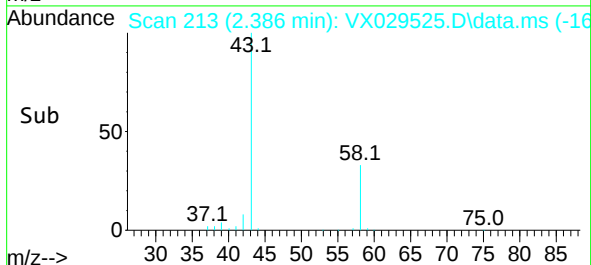
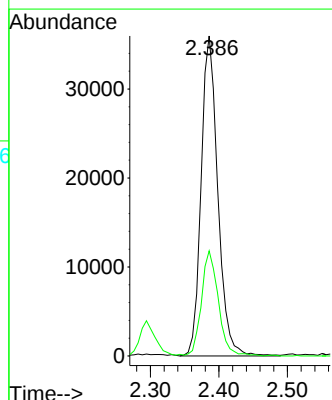
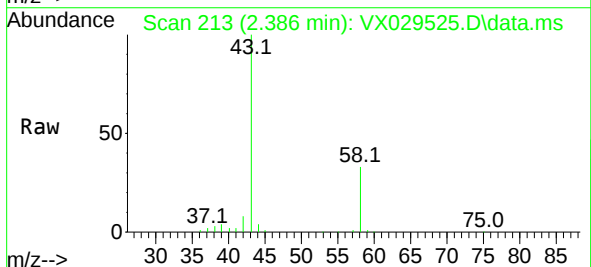
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

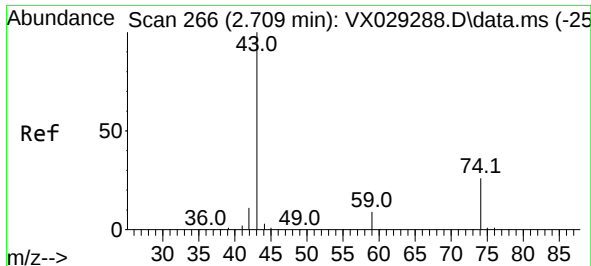
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 264.1 55.0 82.6#



#16
Acetone
Concen: 27.732 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 43 Resp: 61070
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2

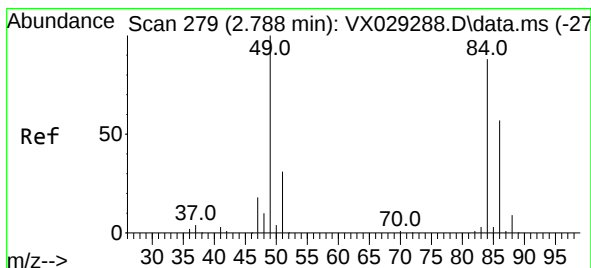
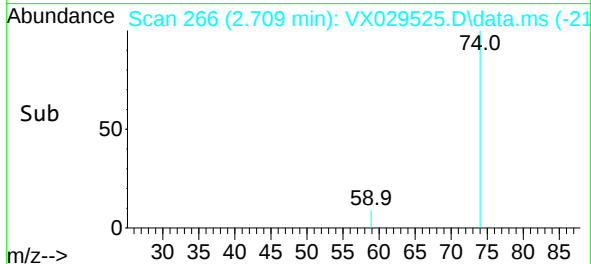
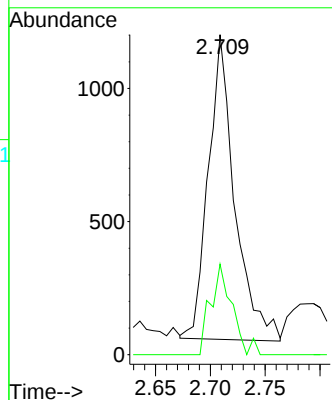
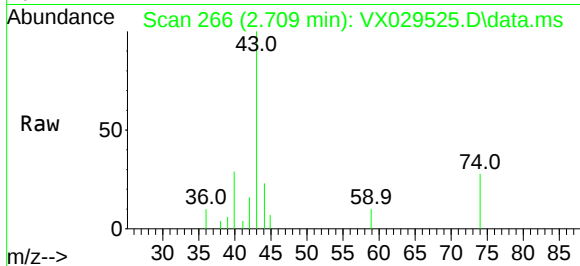




#18
Methyl Acetate
Concen: 0.329 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

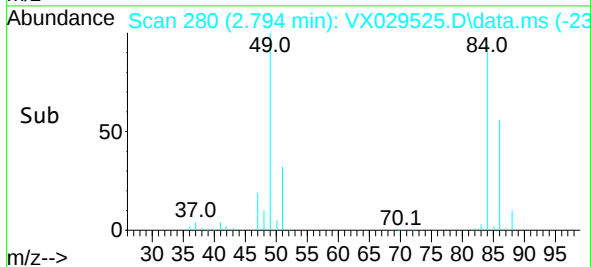
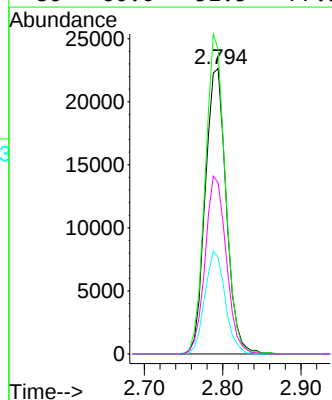
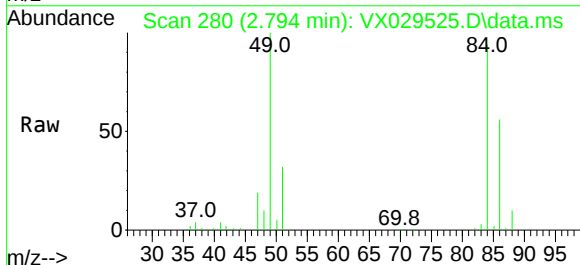
Instrument :
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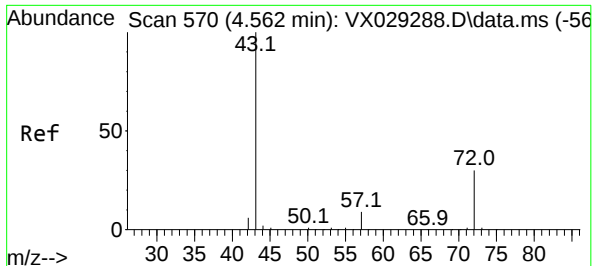
Tgt Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
74 24.3 22.8 34.2



#20
Methylene Chloride
Concen: 8.570 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 84 Resp: 42146
Ion Ratio Lower Upper
84 100
49 106.7 85.5 128.3
51 33.6 26.6 39.8
86 60.0 51.5 77.3





#25

2-Butanone

Concen: 5.927 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

Instrument :

MSVOA_X

ClientSampleId :

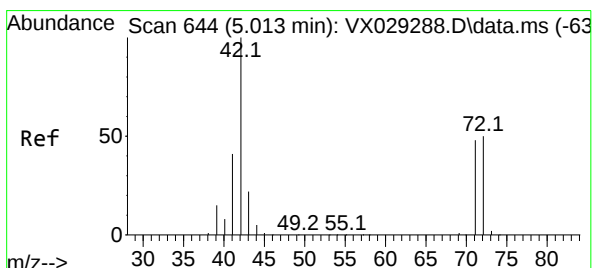
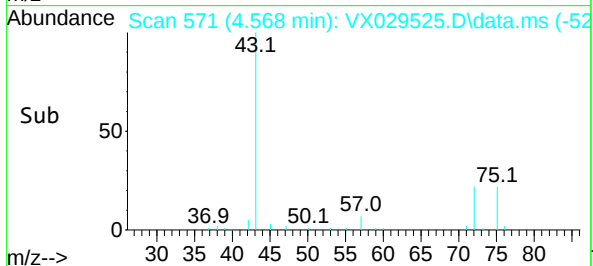
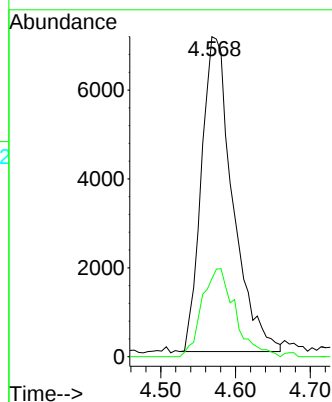
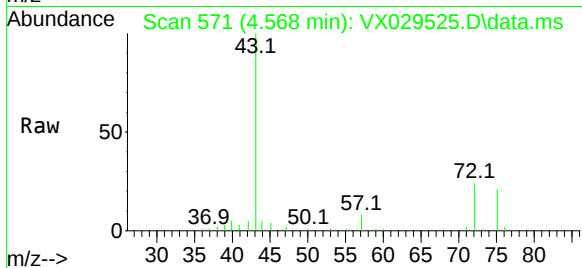
WC-14A-1A-10-G

Tgt Ion: 43 Resp: 20647

Ion Ratio Lower Upper

43 100

72 24.7 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

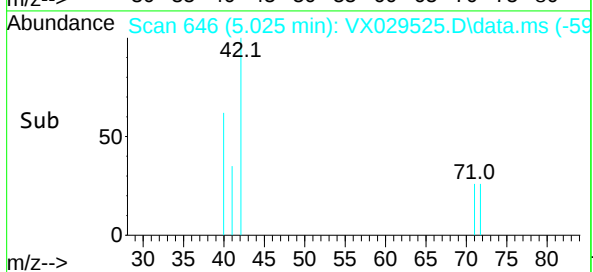
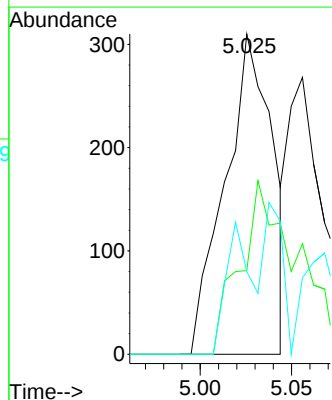
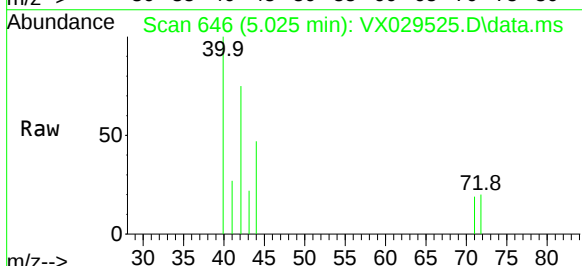
Tgt Ion: 42 Resp: 557

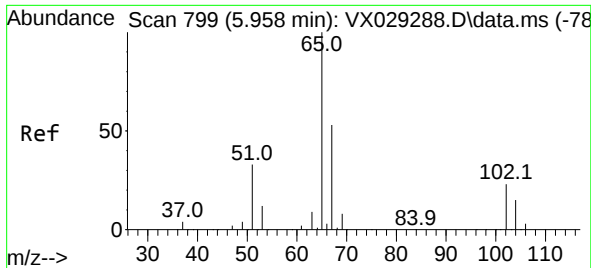
Ion Ratio Lower Upper

42 100

72 63.6 44.1 66.1

71 18.1 40.5 60.7#

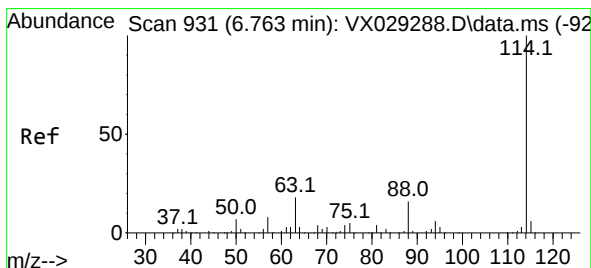
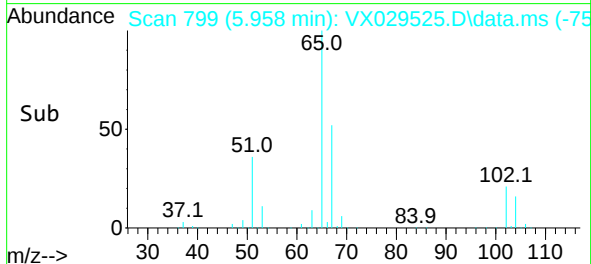
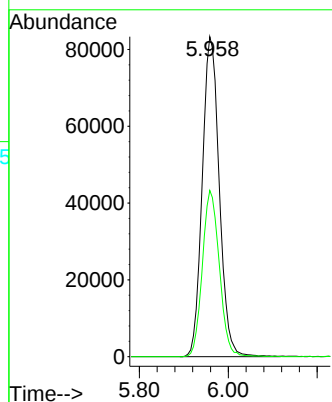
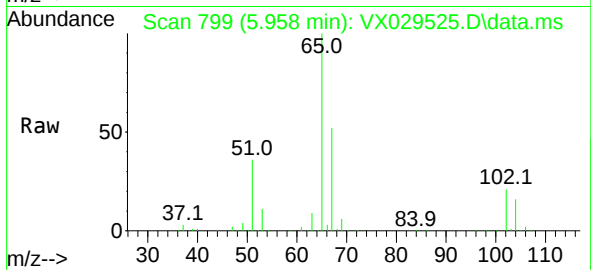




#33
 1,2-Dichloroethane-d4
 Concen: 53.866 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX029525.D
 Acq: 15 Jun 2022 23:44

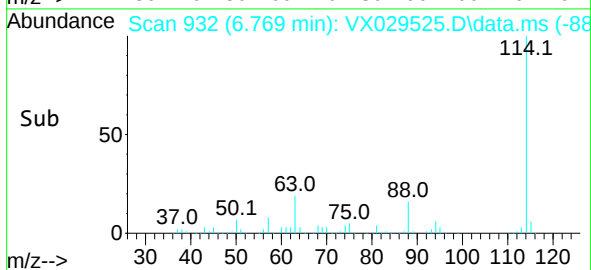
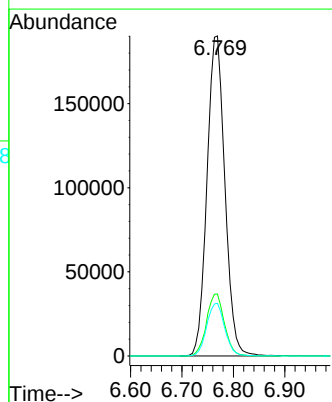
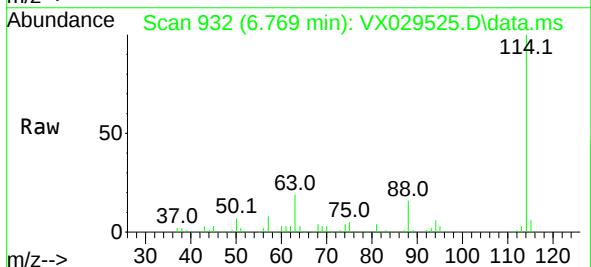
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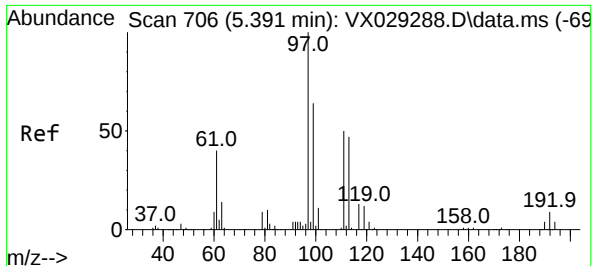
Tgt Ion: 65 Resp: 222644
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX029525.D
 Acq: 15 Jun 2022 23:44

Tgt Ion: 114 Resp: 458803
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.8
 88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.454 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029525.D

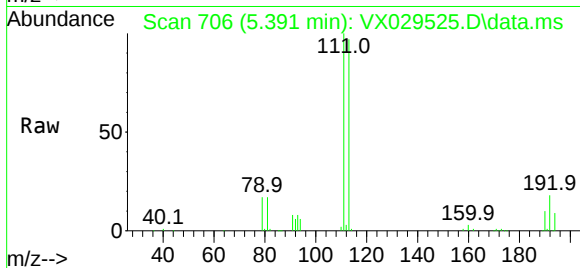
Acq: 15 Jun 2022 23:44

Instrument :

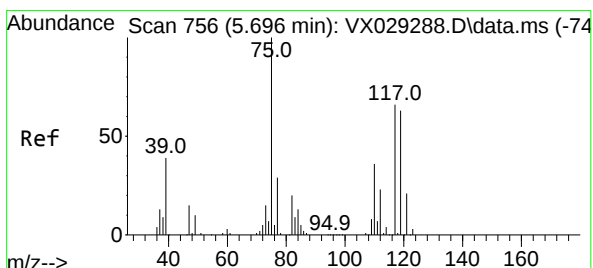
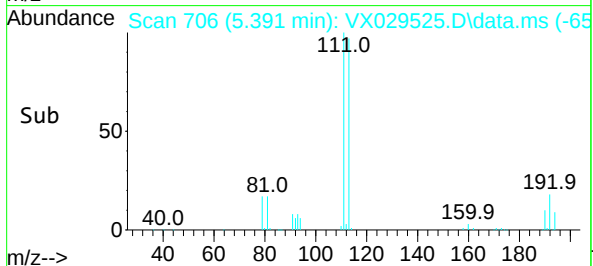
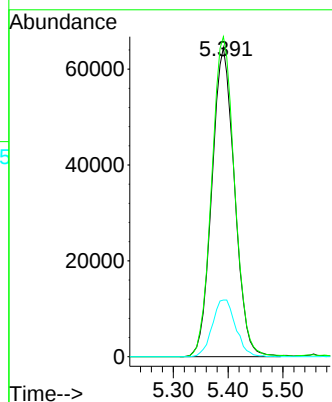
MSVOA_X

ClientSampleId :

WC-14A-1A-10-G



Tgt Ion:	113	Resp:	185094
Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.8	124.2
192	18.9	16.9	25.3



#36

1,1-Dichloropropene

Concen: 3.318 ug/l

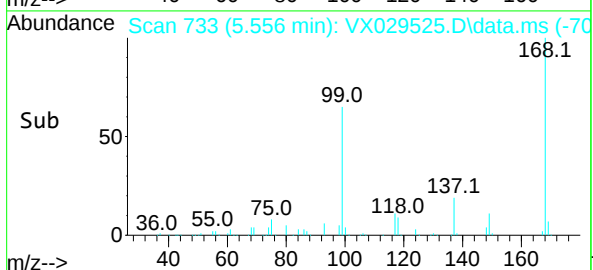
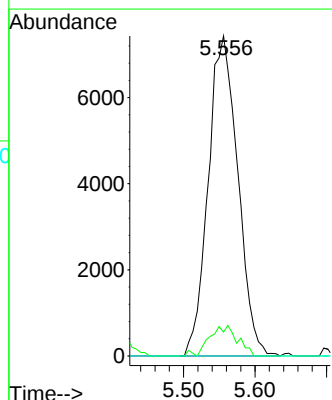
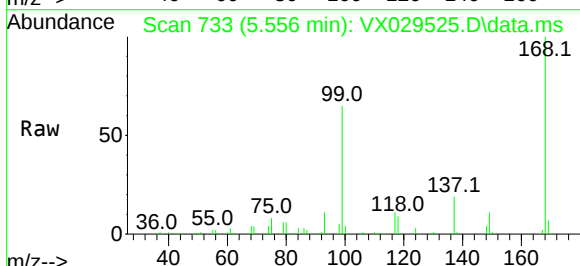
RT: 5.556 min Scan# 733

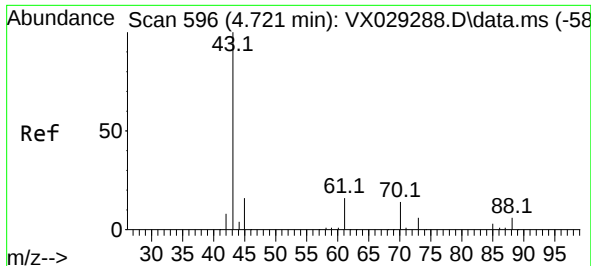
Delta R.T. -0.140 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

Tgt Ion:	75	Resp:	21378
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.3	54.8#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 3.104 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX029525.D

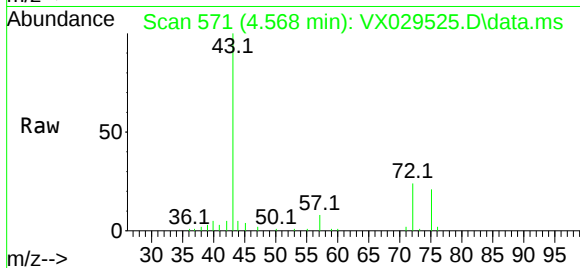
Acq: 15 Jun 2022 23:44

Instrument :

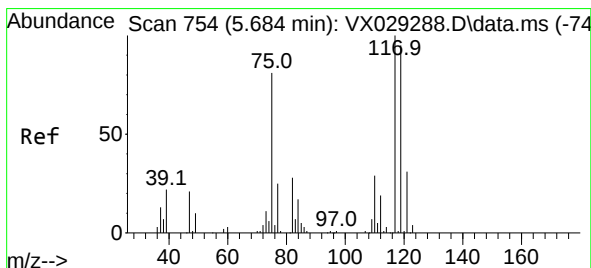
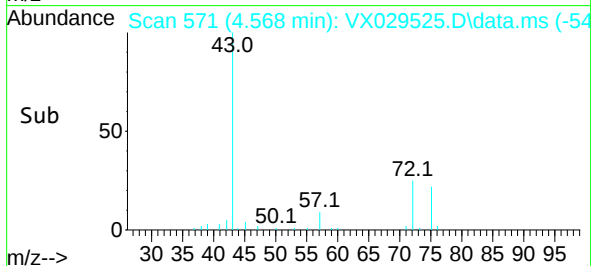
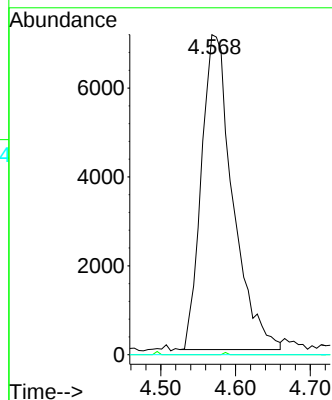
MSVOA_X

ClientSampleId :

WC-14A-1A-10-G



Tgt Ion: 43	Resp: 20647
Ion Ratio	Lower Upper
43	100
61	0.1 12.6 19.0#
70	0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 4.393 ug/l

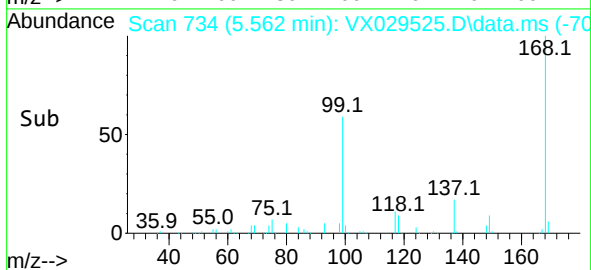
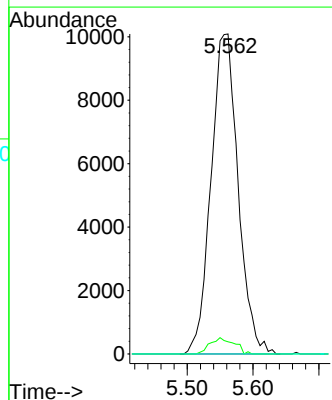
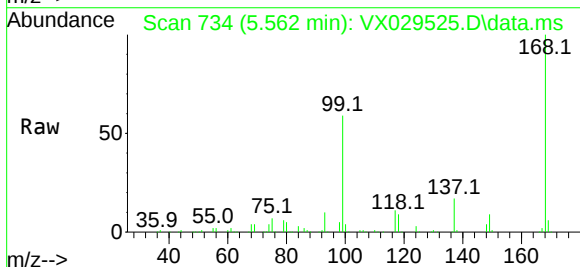
RT: 5.562 min Scan# 734

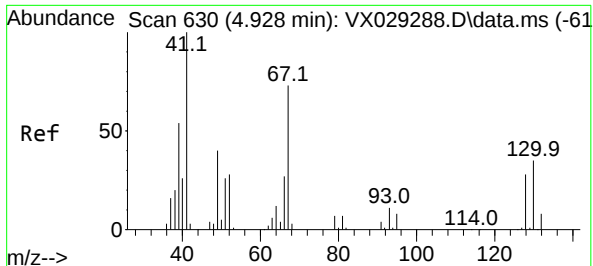
Delta R.T. -0.122 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

Tgt Ion: 117	Resp: 28931
Ion Ratio	Lower Upper
117	100
119	3.8 77.3 115.9#
121	0.0 24.2 36.2#

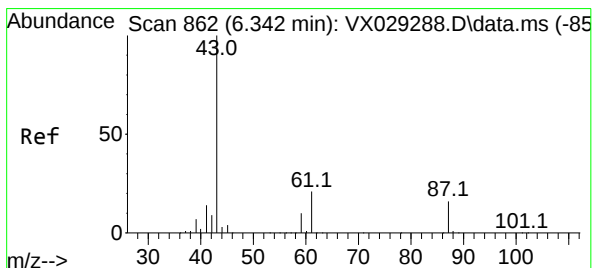
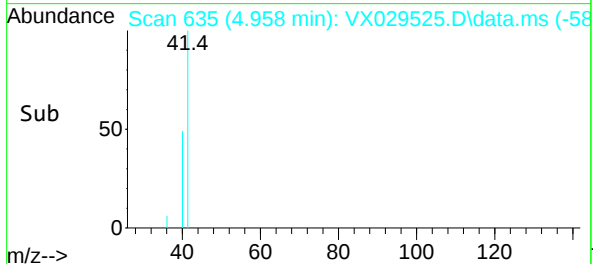
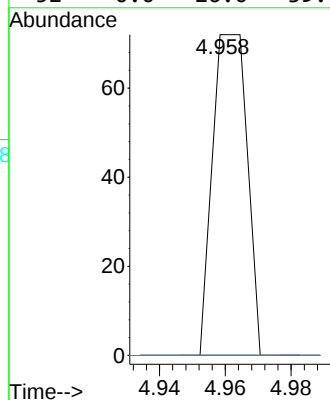
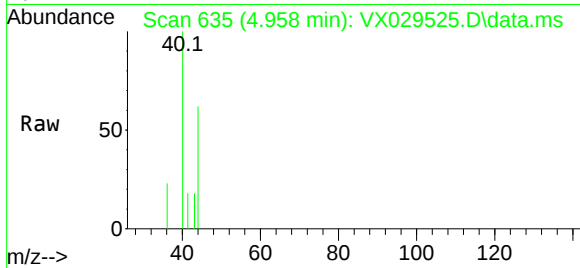




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.958 min Scan# 61
Delta R.T. 0.030 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

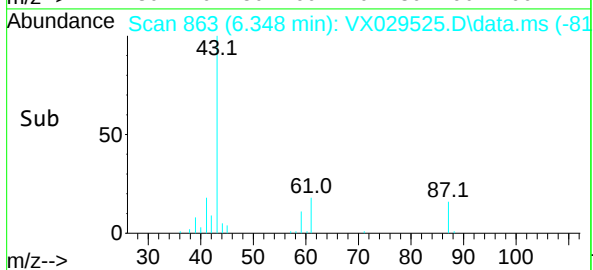
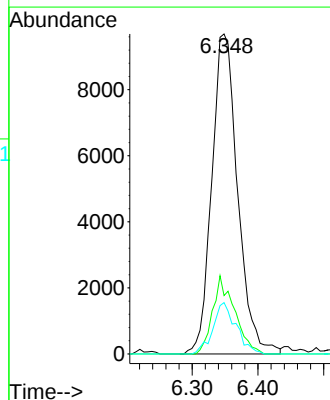
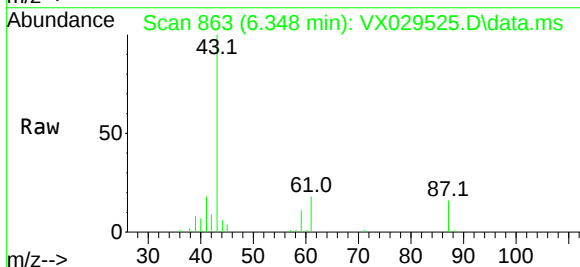
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

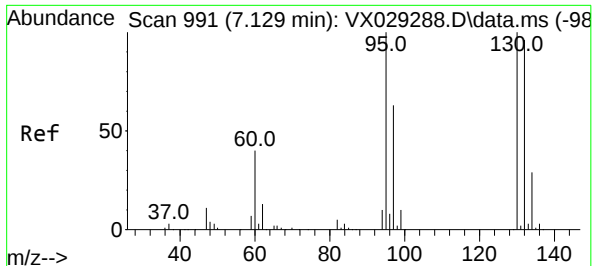
Tgt Ion: 41	Resp: 53
Ion Ratio	Lower Upper
41 100	
39 0.0	43.0 64.4#
67 0.0	70.2 105.4#
52 0.0	26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.660 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 43	Resp: 26579
Ion Ratio	Lower Upper
43 100	
61 20.8	18.5 27.7
87 14.4	13.0 19.6

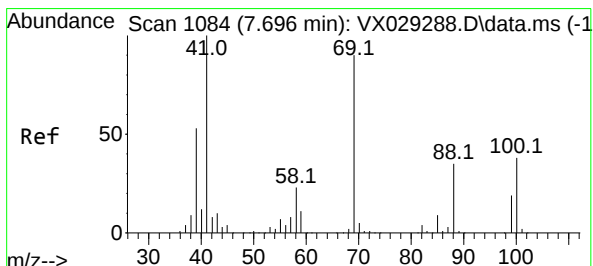
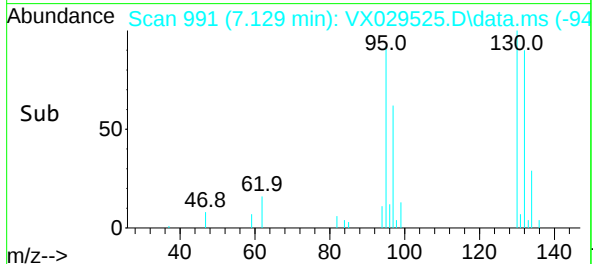
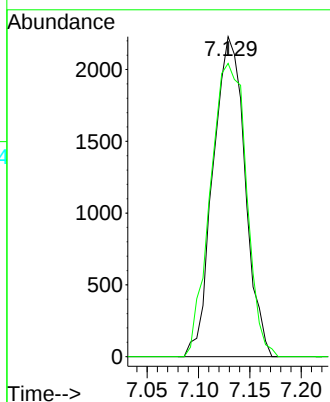
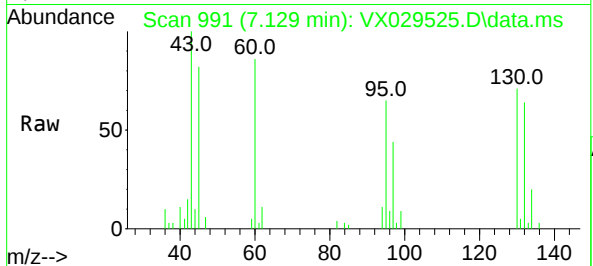




#44
Trichloroethene
Concen: 0.924 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

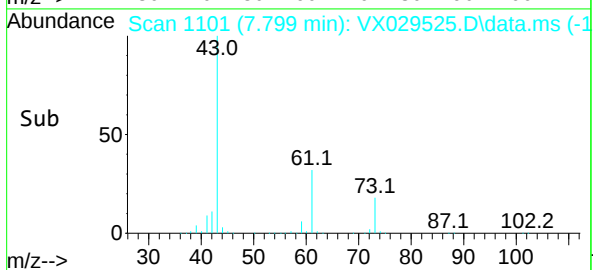
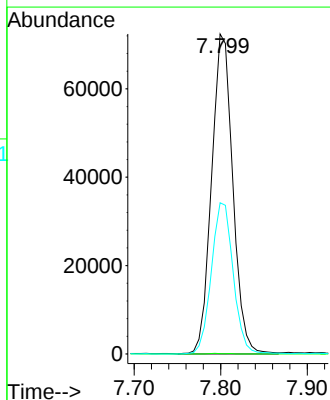
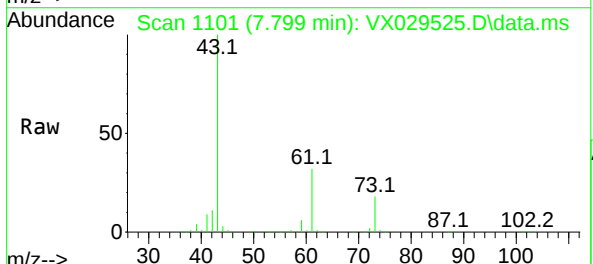
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

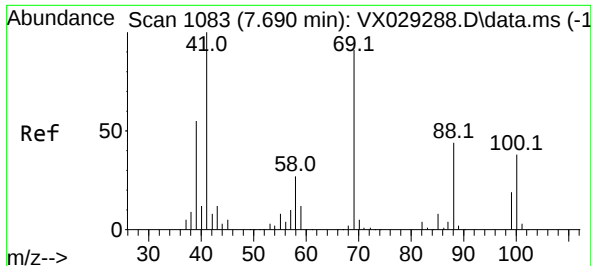
Tgt Ion:130 Resp: 4827
Ion Ratio Lower Upper
130 100
95 91.7 0.0 188.8



#48
Methyl methacrylate
Concen: 24.534 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 41 Resp: 123294
Ion Ratio Lower Upper
41 100
69 0.1 82.5 123.7#
39 48.8 43.8 65.8





#49

1,4-Dioxane

Concen: 1.307 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

Instrument :

MSVOA_X

ClientSampleId :

WC-14A-1A-10-G

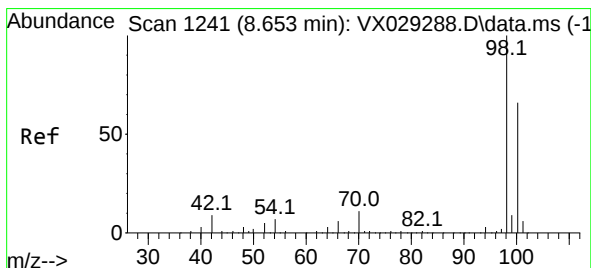
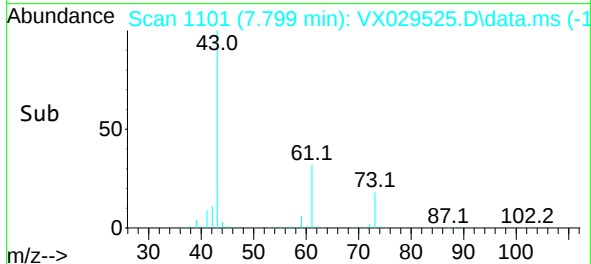
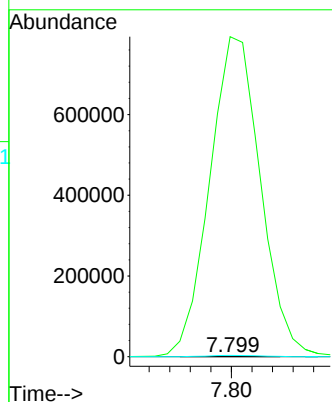
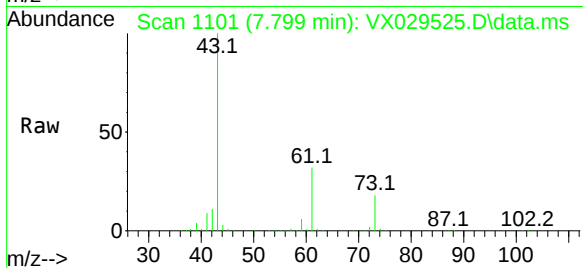
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 812314.8 21.9 32.9#

58 3430.2 53.7 80.5#



#50

Toluene-d8

Concen: 49.550 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029525.D

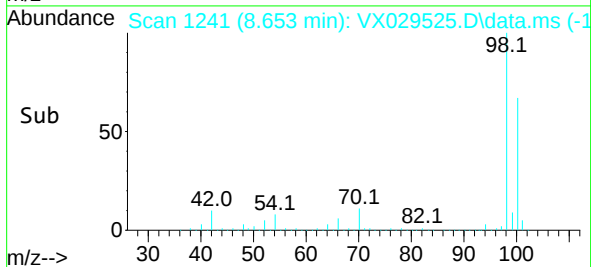
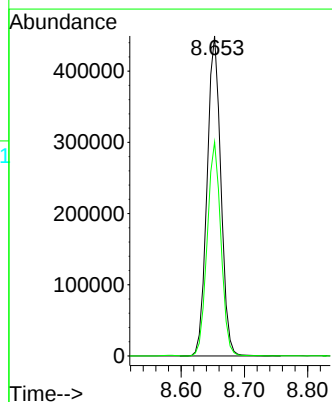
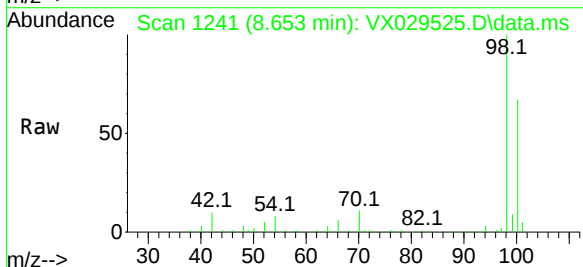
Acq: 15 Jun 2022 23:44

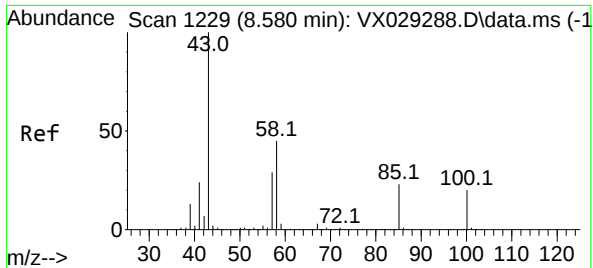
Tgt Ion: 98 Resp: 683539

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 12.498 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX029525.D

Acq: 15 Jun 2022 23:44

Instrument :

MSVOA_X

ClientSampleId :

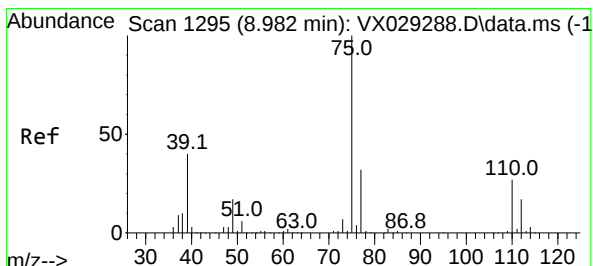
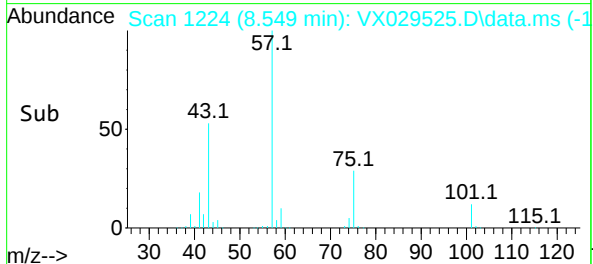
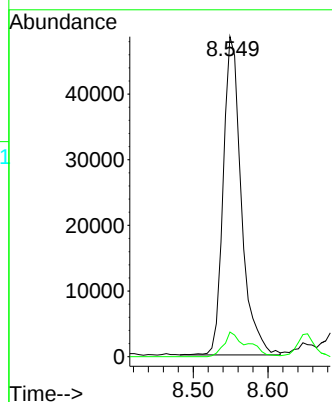
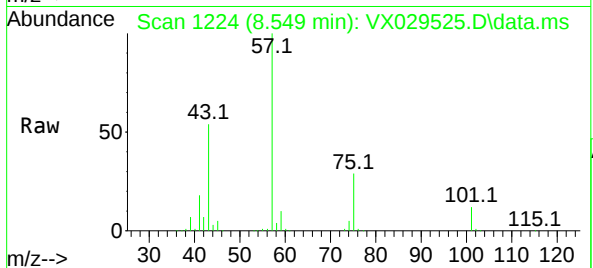
WC-14A-1A-10-G

Tgt Ion: 43 Resp: 81730

Ion Ratio Lower Upper

43 100

58 10.1 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.335 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX029525.D

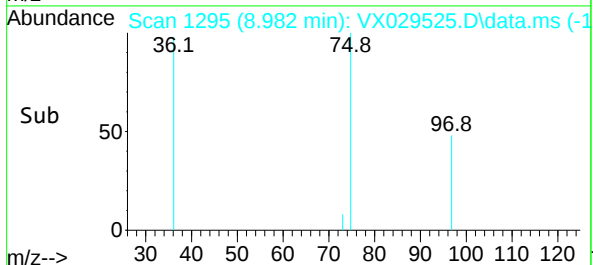
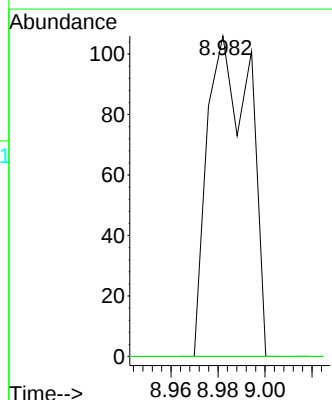
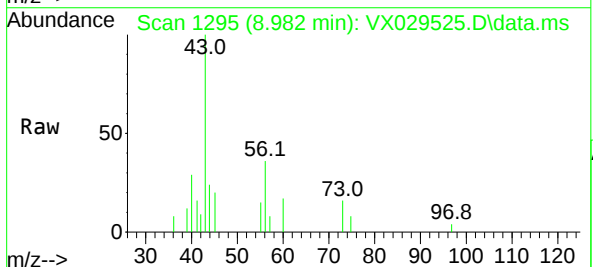
Acq: 15 Jun 2022 23:44

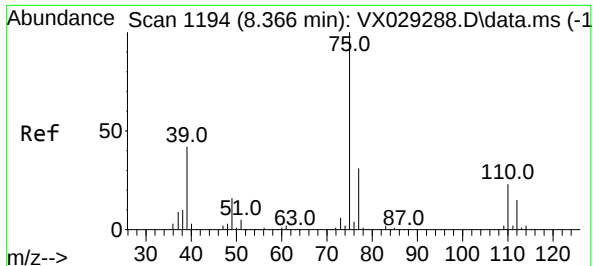
Tgt Ion: 75 Resp: 133

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

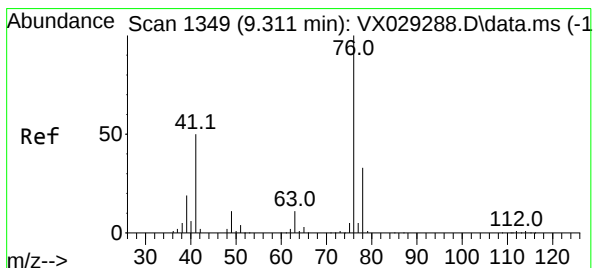
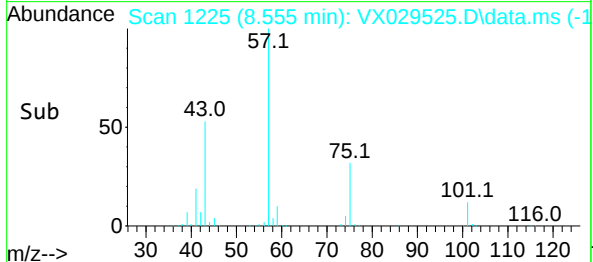
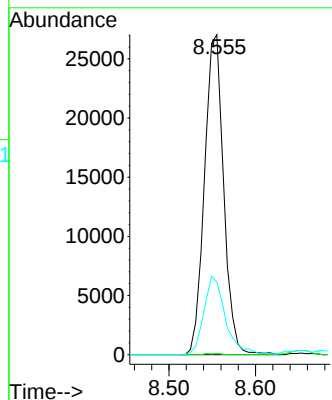
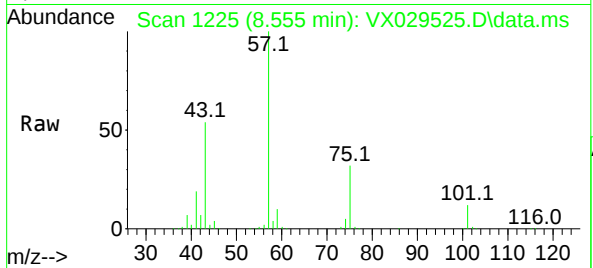




#54
 cis-1,3-Dichloropropene
 Concen: 5.743 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX029525.D
 Acq: 15 Jun 2022 23:44

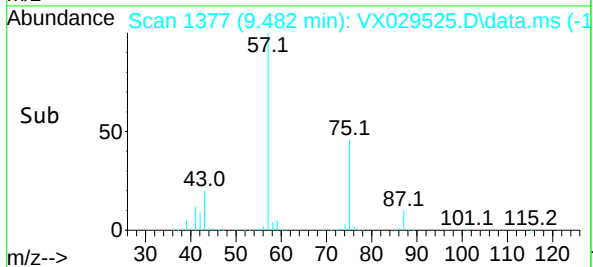
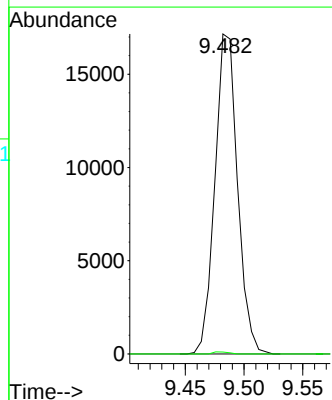
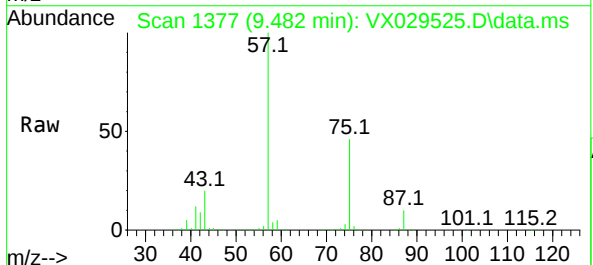
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14A-1A-10-G

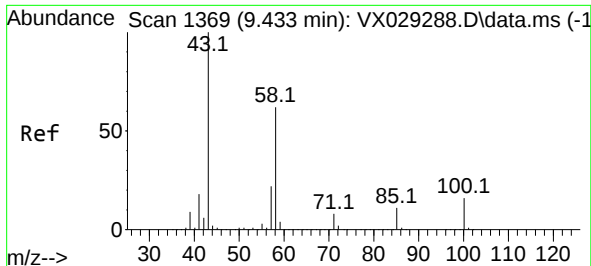
Tgt Ion: 75 Resp: 41574
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 22.7 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 2.740 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029525.D
 Acq: 15 Jun 2022 23:44

Tgt Ion: 76 Resp: 23006
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

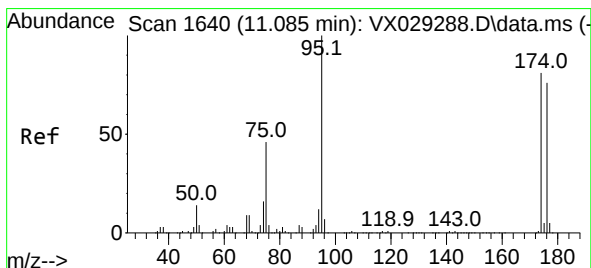
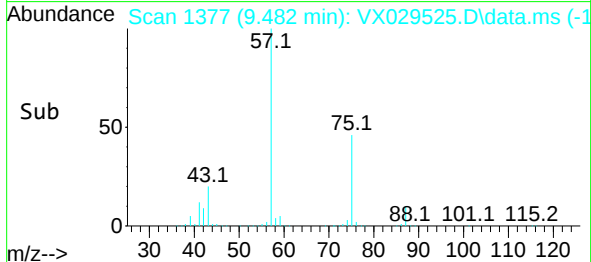
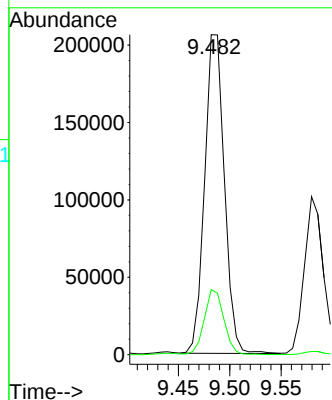
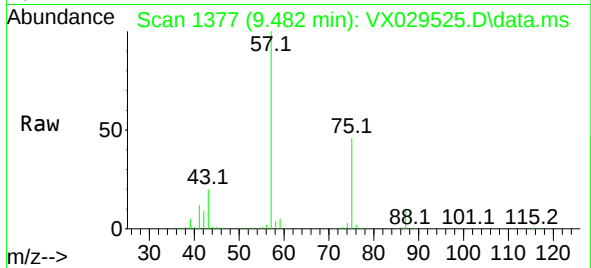




#59
2-Hexanone
Concen: 55.462 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

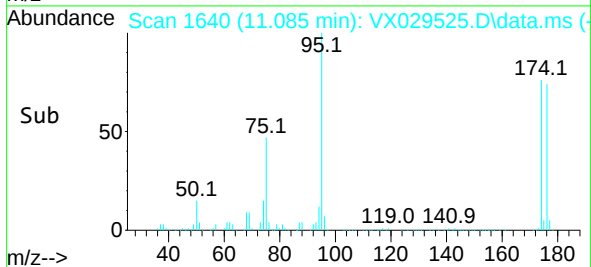
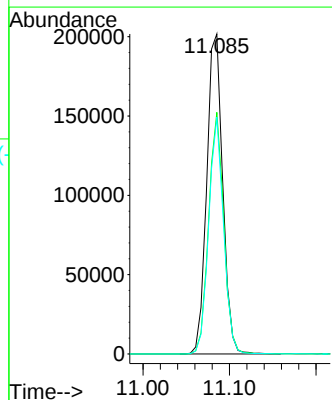
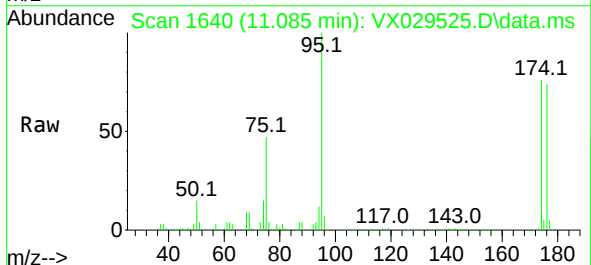
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

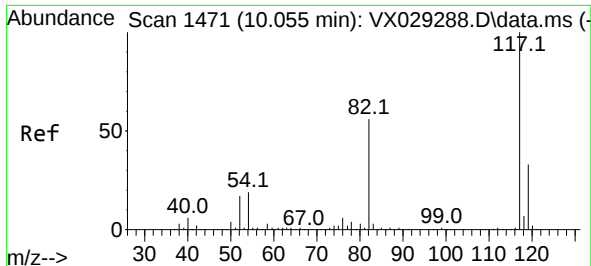
Tgt Ion: 43 Resp: 275749
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 47.774 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 95 Resp: 257904
Ion Ratio Lower Upper
95 100
174 71.7 0.0 163.0
176 69.0 0.0 155.0

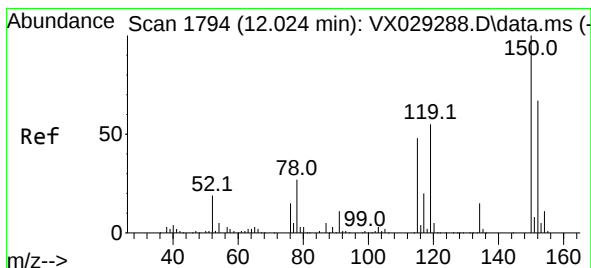
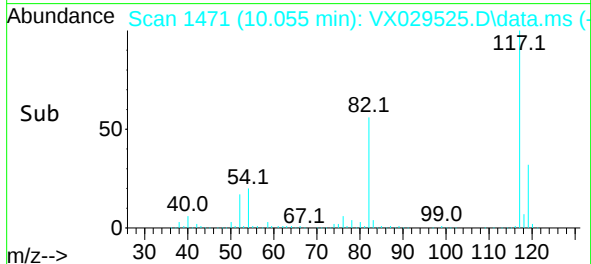
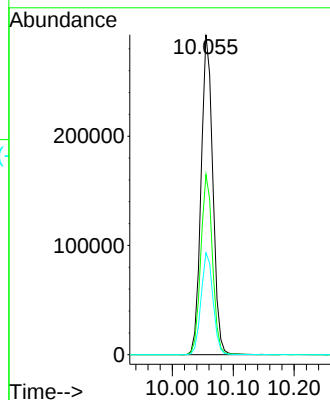
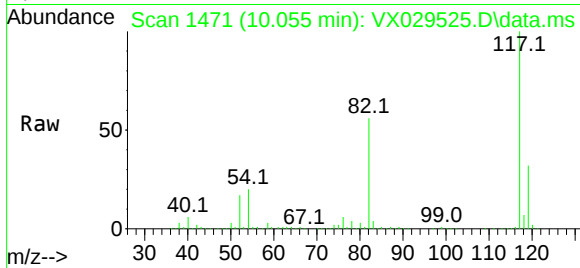




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

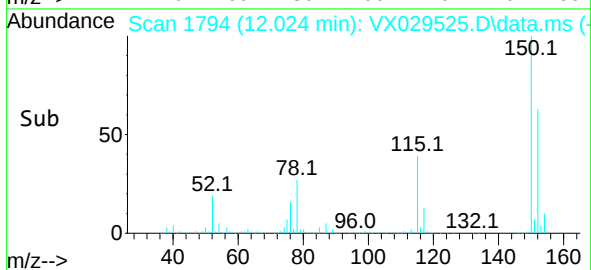
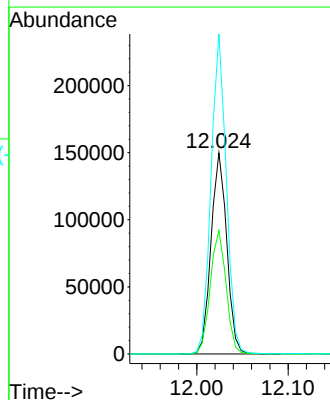
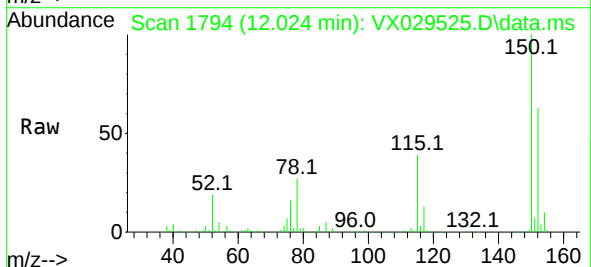
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

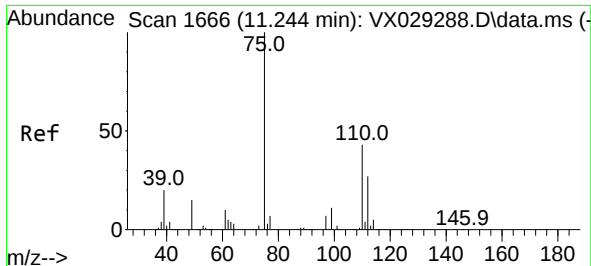
Tgt Ion:117 Resp: 392280
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion:152 Resp: 178892
Ion Ratio Lower Upper
152 100
115 61.8 37.5 112.7
150 154.0 0.0 338.2

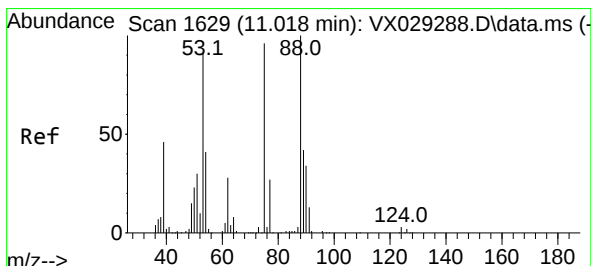
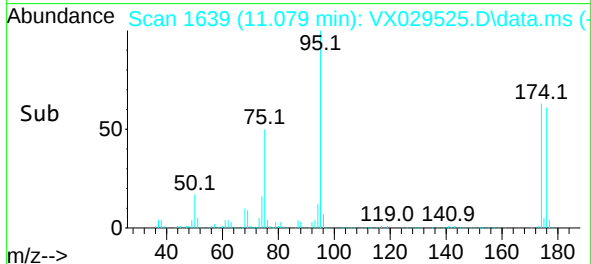
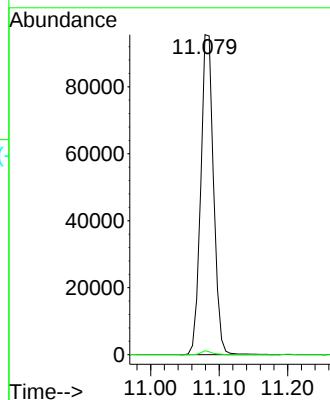
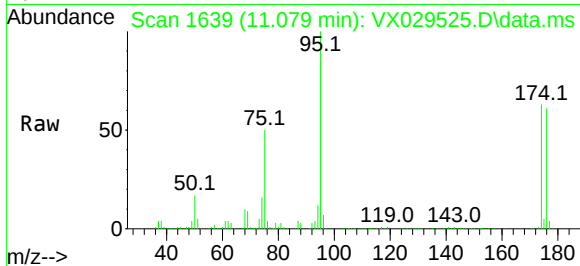




#76
1,2,3-Trichloropropane
Concen: 29.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-10-G

Tgt Ion: 75 Resp: 124692
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029525.D
Acq: 15 Jun 2022 23:44

Tgt Ion: 75 Resp: 124692
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

