

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029332.D
 Acq On : 08 Jun 2022 19:30
 Operator : JC/MD
 Sample : N3189-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

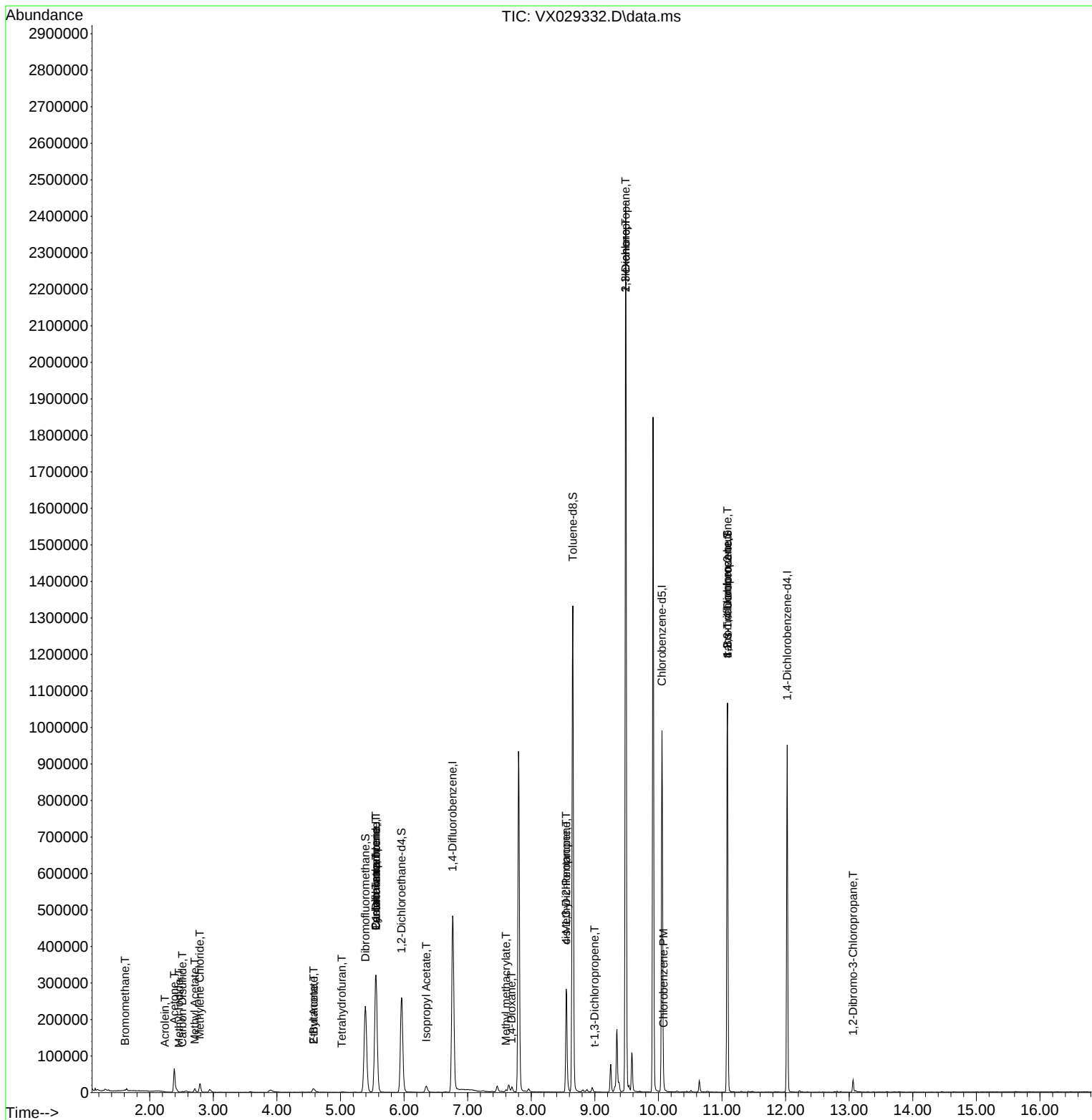
Quant Time: Jun 09 07:02:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

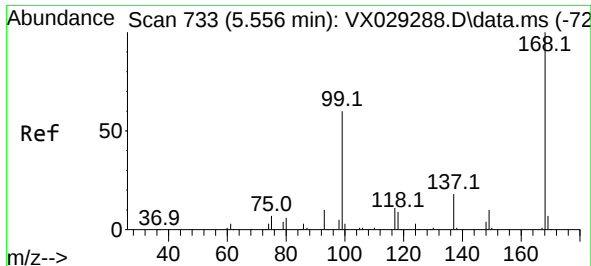
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	299609	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	498564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	254410	55.993	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 111.980%	
35) Dibromofluoromethane	5.391	113	208397	49.168	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.340%	
50) Toluene-d8	8.653	98	789553	52.671	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.340%	
62) 4-Bromofluorobenzene	11.085	95	300660	51.252	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	617	0.219	ug/l	98
6) Chloroethane	1.636	64	372	Below Cal	#	43
10) Methyl Iodide	2.459	142	176	1.265	ug/l	# 54
11) Tert butyl alcohol	2.947	59	5105	Below Cal	#	72
13) Acrolein	2.239	56	260	0.470	ug/l	# 62
16) Acetone	2.386	43	65075	26.849	ug/l	95
17) Carbon Disulfide	2.514	76	2401	0.217	ug/l	99
18) Methyl Acetate	2.709	43	11025	1.717	ug/l	95
20) Methylene Chloride	2.788	84	10754	1.987	ug/l	91
25) 2-Butanone	4.574	43	15003	3.913	ug/l	99
29) Tetrahydrofuran	5.019	42	1068	0.427	ug/l	# 52
31) Cyclohexane	5.556	56	5954	0.733	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	24582	3.511	ug/l	# 48
37) Ethyl Acetate	4.574	43	15003	2.076	ug/l	# 65
38) Carbon Tetrachloride	5.556	117	32132	4.490	ug/l	# 15
41) Methacrylonitrile	5.044	41	562	Below Cal	#	34
43) Isopropyl Acetate	6.348	43	23371	2.152	ug/l	95
48) Methyl methacrylate	7.604	41	8182	1.498	ug/l	# 15
49) 1,4-Dioxane	7.690	88	154	1.096	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	95072	13.379	ug/l	# 46
53) t-1,3-Dichloropropene	8.994	75	30	1.320	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	48148	6.121	ug/l	# 66
57) 1,3-Dichloropropane	9.482	76	22378	2.453	ug/l	# 43
59) 2-Hexanone	9.482	43	274820	50.867	ug/l	# 45
65) Chlorobenzene	10.080	112	7367	0.609	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	146893	33.018	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	146893	100.362	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	13.061	75	9981	9.483	ug/l	# 1

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

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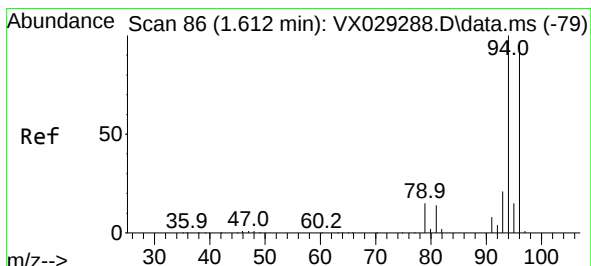
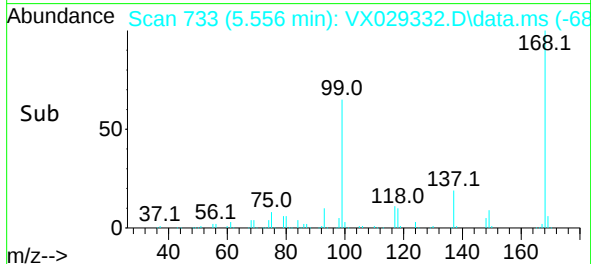
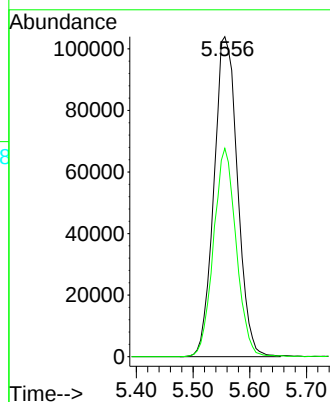
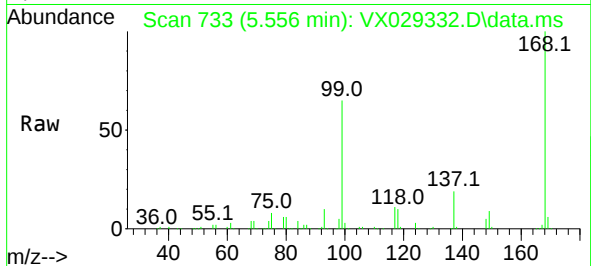




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

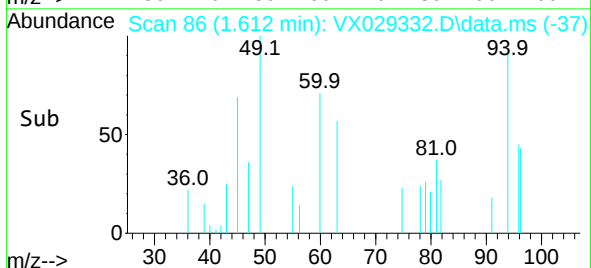
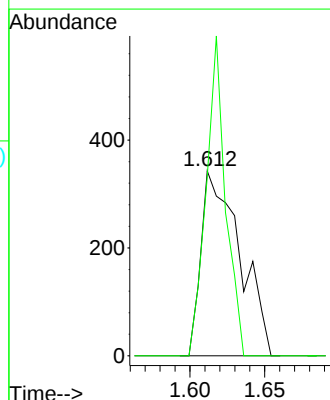
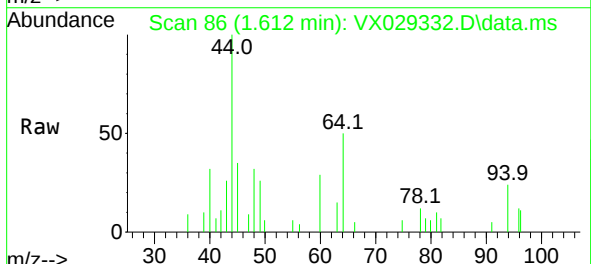
Instrument :
MSVOA_X
ClientSampleId :

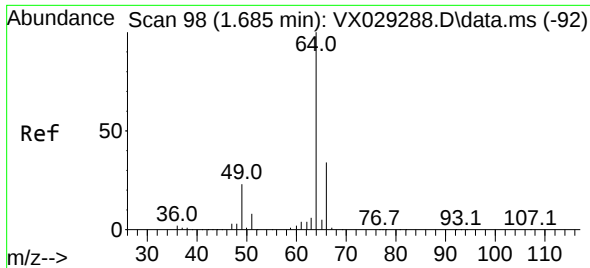
Tgt Ion:168 Resp: 299609
Ion Ratio Lower Upper
168 100
99 65.1 41.7 62.5#



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 94 Resp: 617
Ion Ratio Lower Upper
94 100
96 96.5 75.3 112.9

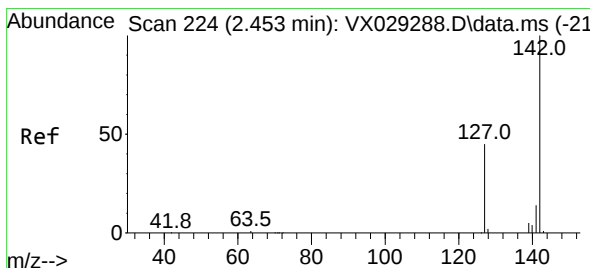
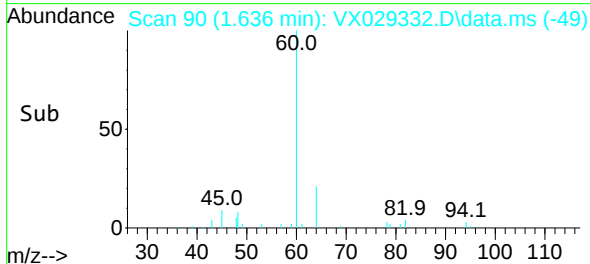
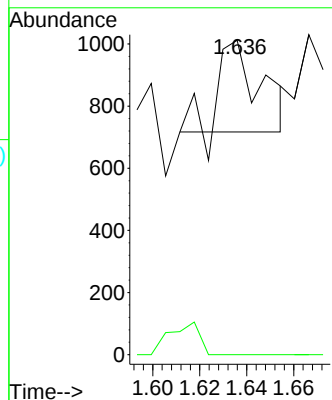
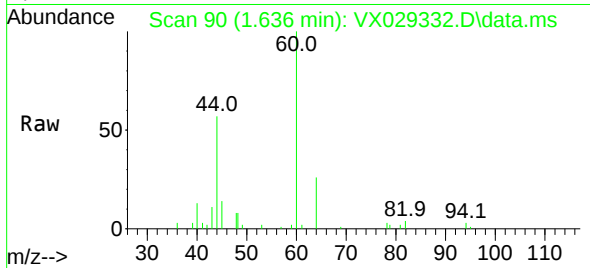




#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.049 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

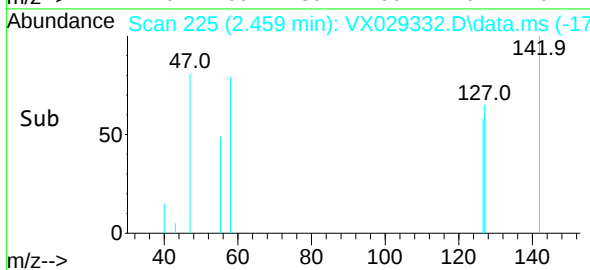
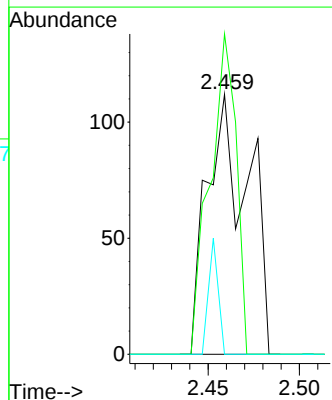
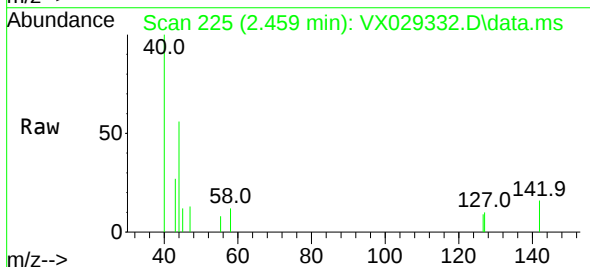
Instrument :
MSVOA_X
ClientSampleId :

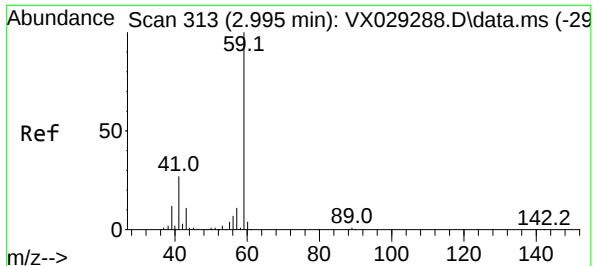
Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.265 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 142 Resp: 176
Ion Ratio Lower Upper
142 100
127 79.0 33.9 50.9#
141 10.2 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: VX029332.D

Acq: 08 Jun 2022 19:30

Instrument :

MSVOA_X

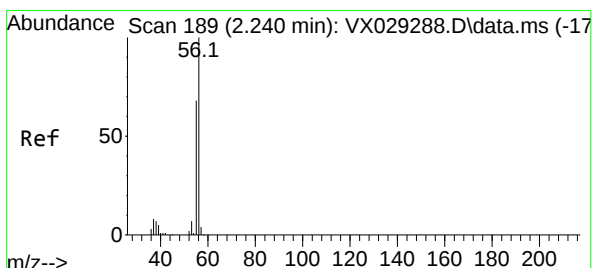
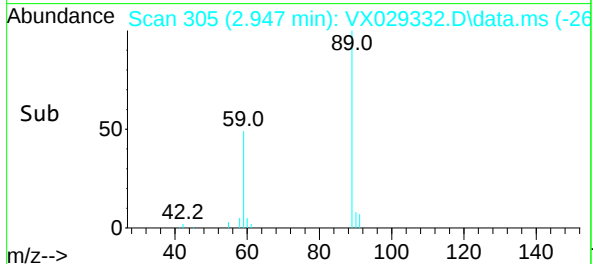
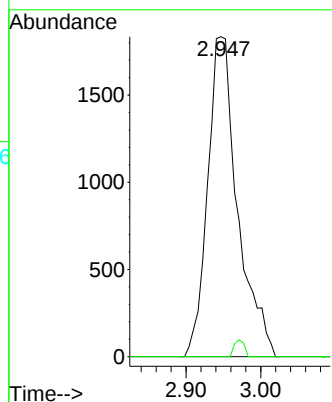
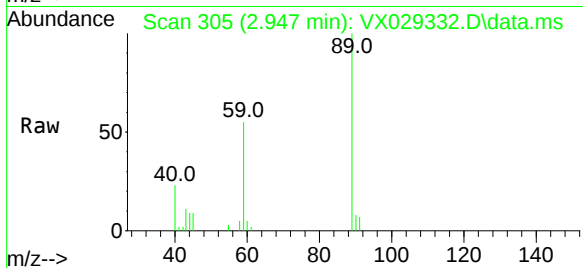
ClientSampleId :

Tgt Ion: 59 Resp: 5105

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.470 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX029332.D

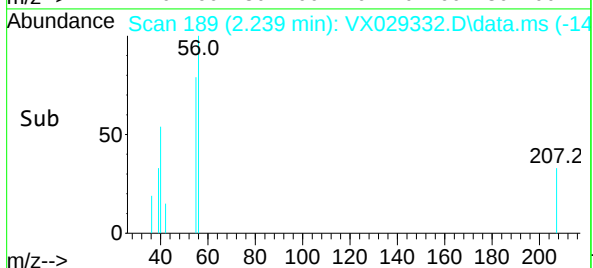
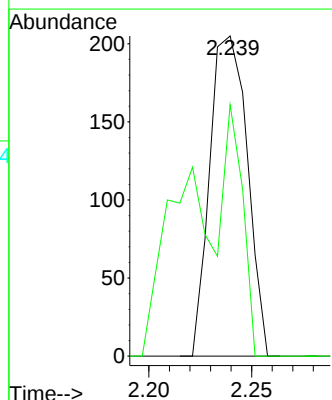
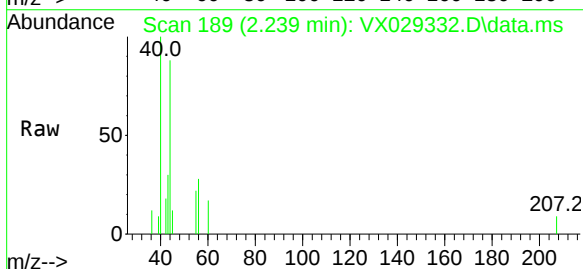
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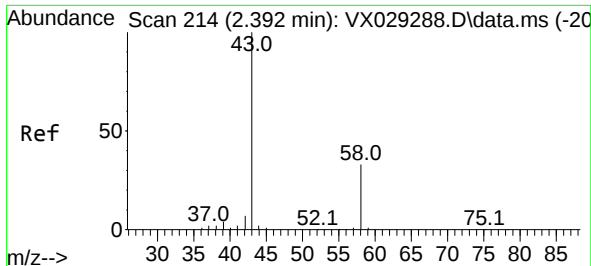
Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 37.7 55.0 82.6#

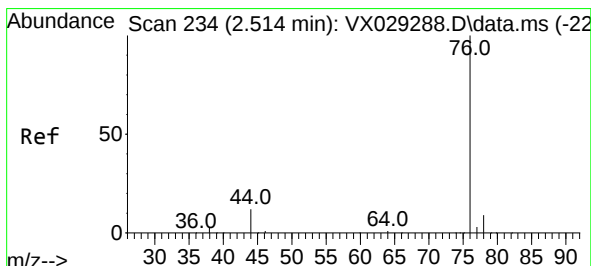
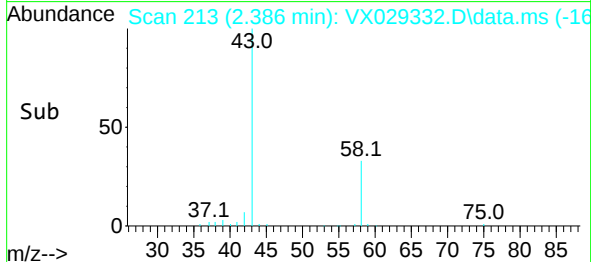
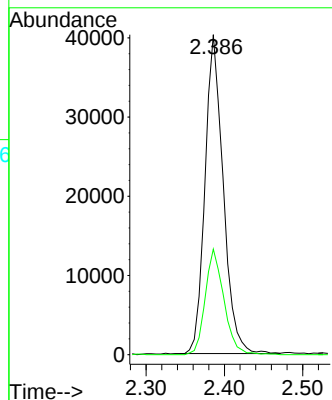
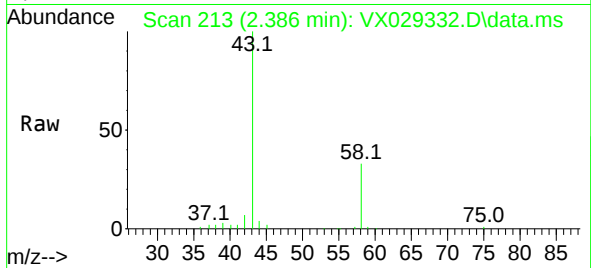




#16
Acetone
Concen: 26.849 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

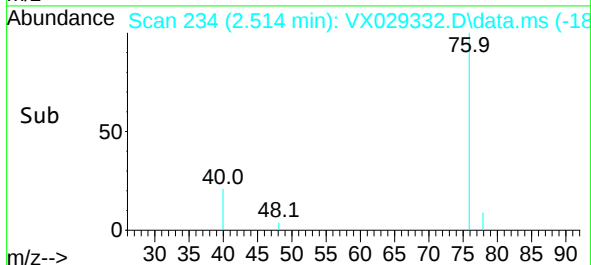
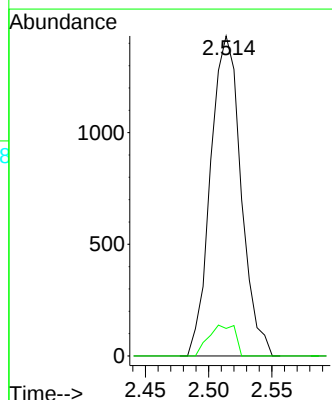
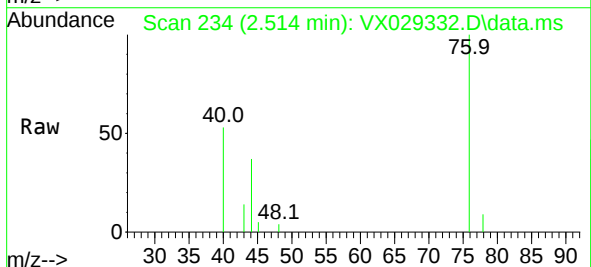
Instrument :
MSVOA_X
ClientSampleId :

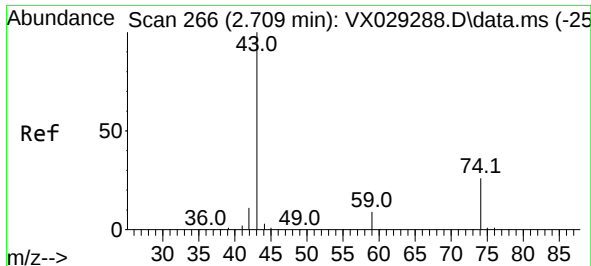
Tgt Ion: 43 Resp: 65075
Ion Ratio Lower Upper
43 100
58 33.1 28.8 43.2



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 76 Resp: 2401
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

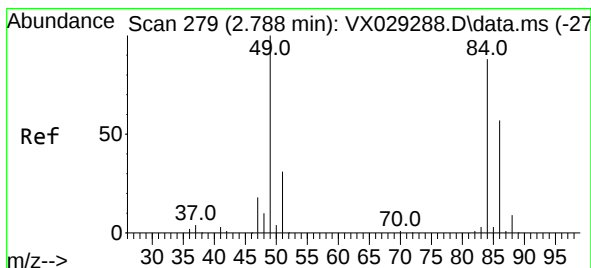
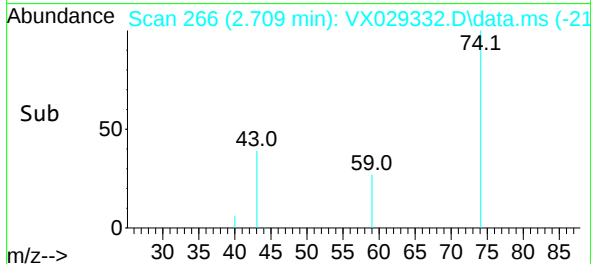
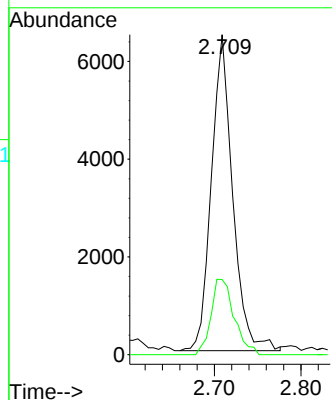
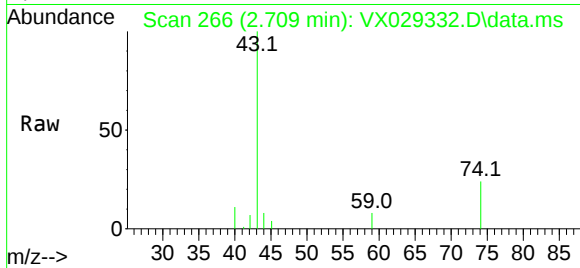




#18
Methyl Acetate
Concen: 1.717 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

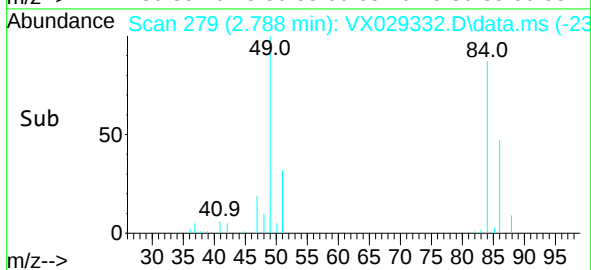
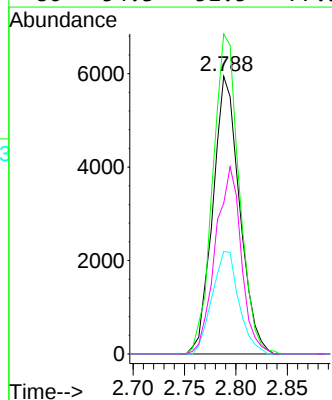
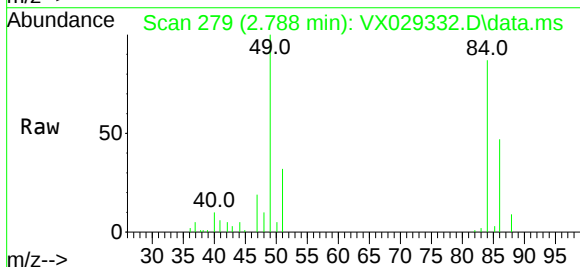
Instrument :
MSVOA_X
ClientSampleId :

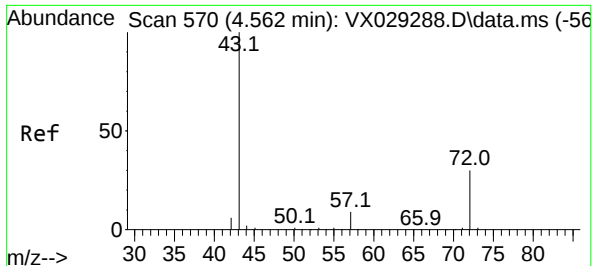
Tgt Ion: 43 Resp: 11025
Ion Ratio Lower Upper
43 100
74 26.0 22.8 34.2



#20
Methylene Chloride
Concen: 1.987 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 84 Resp: 10754
Ion Ratio Lower Upper
84 100
49 115.2 85.5 128.3
51 36.9 26.6 39.8
86 54.3 51.5 77.3





#25

2-Butanone

Concen: 3.913 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029332.D

Acq: 08 Jun 2022 19:30

Instrument :

MSVOA_X

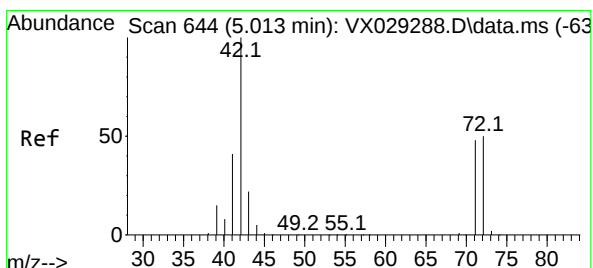
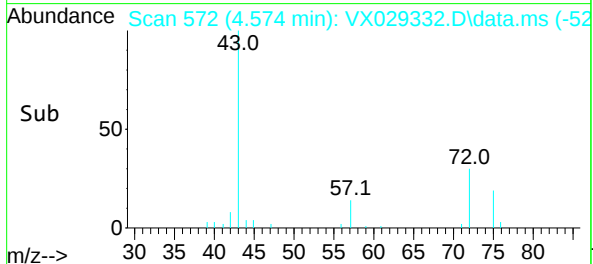
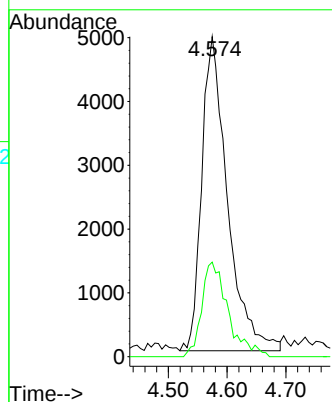
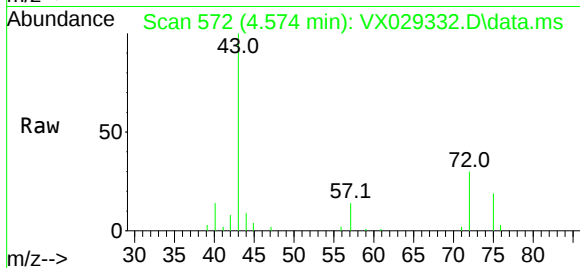
ClientSampleId :

Tgt Ion: 43 Resp: 15003

Ion Ratio Lower Upper

43 100

72 30.1 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX029332.D

Acq: 08 Jun 2022 19:30

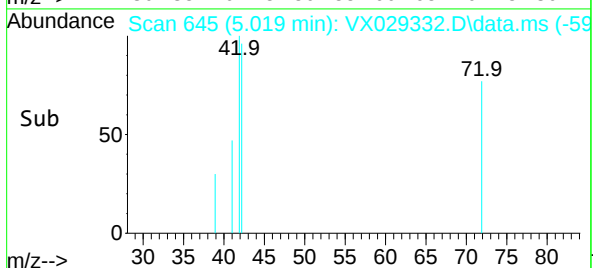
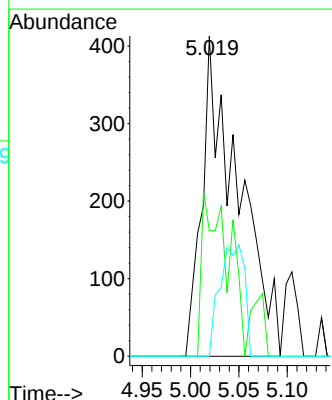
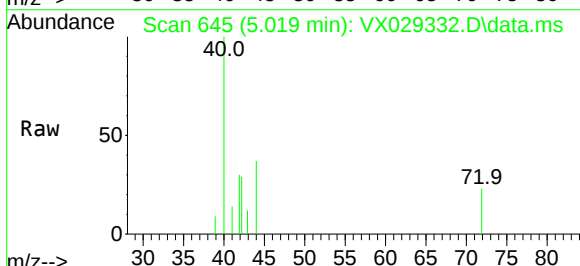
Tgt Ion: 42 Resp: 1068

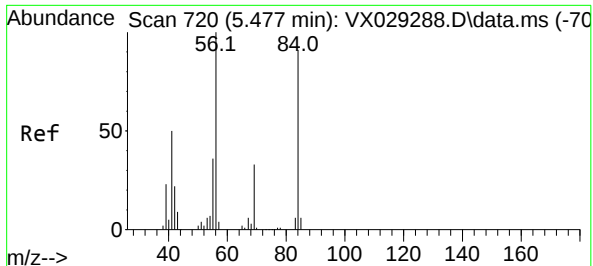
Ion Ratio Lower Upper

42 100

72 37.4 44.1 66.1#

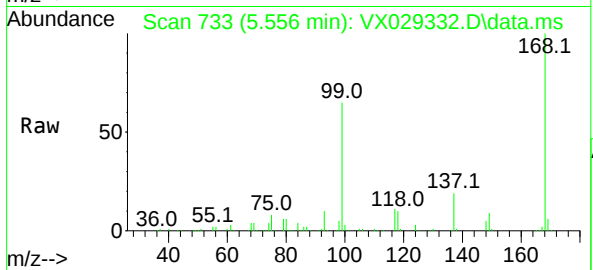
71 0.0 40.5 60.7#



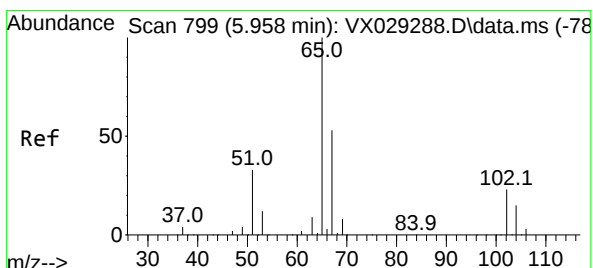
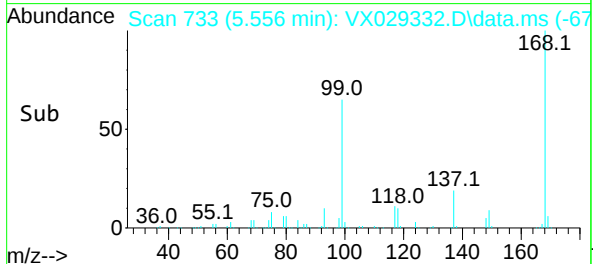
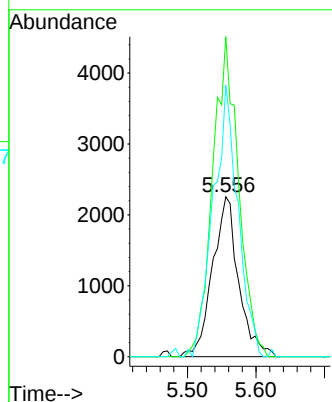


#31
Cyclohexane
Concen: 0.733 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Instrument :
MSVOA_X
ClientSampleId :

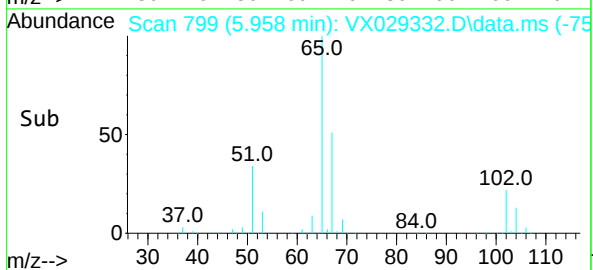
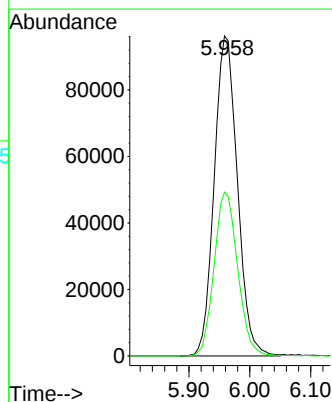
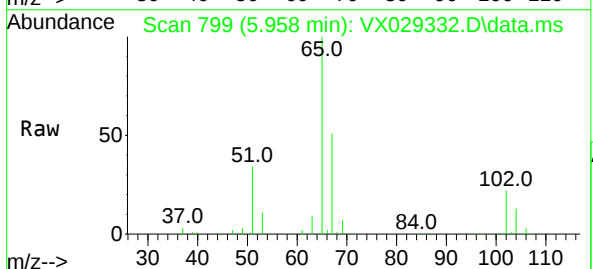


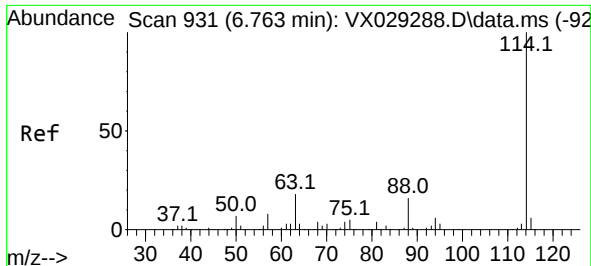
Tgt Ion: 56 Resp: 5954
Ion Ratio Lower Upper
56 100
69 200.2 26.7 40.1#
84 169.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.993 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 65 Resp: 254410
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

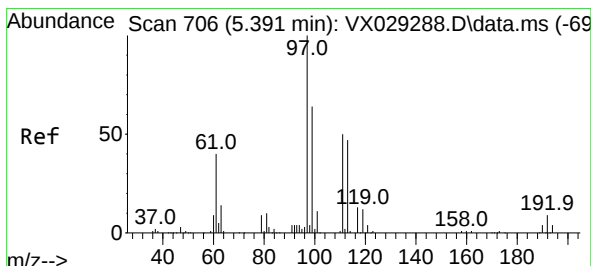
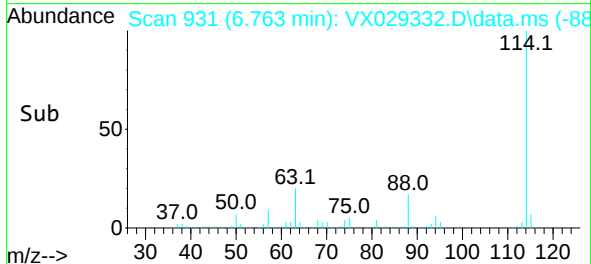
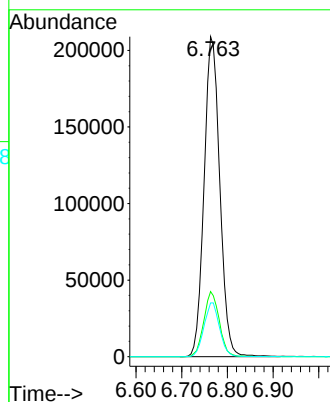
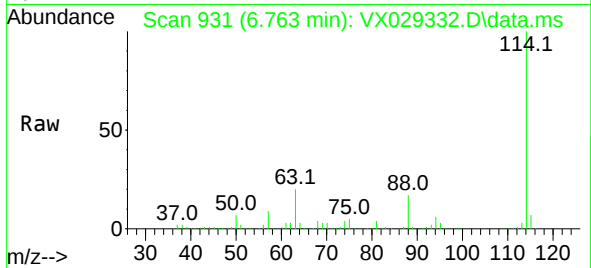




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

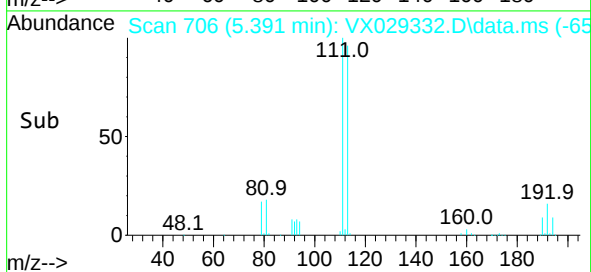
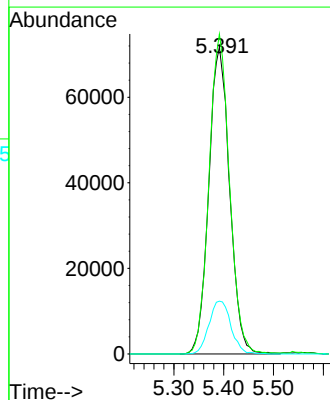
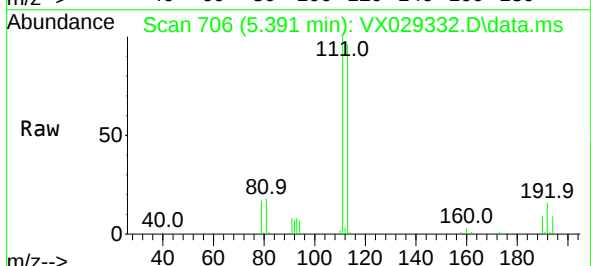
Instrument :
MSVOA_X
ClientSampleId :

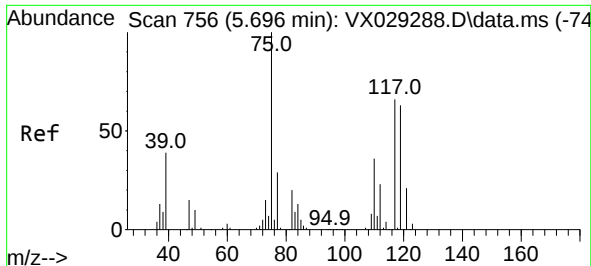
Tgt Ion:114 Resp: 498564
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.8
88 16.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.168 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion:113 Resp: 208397
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 18.1 16.9 25.3

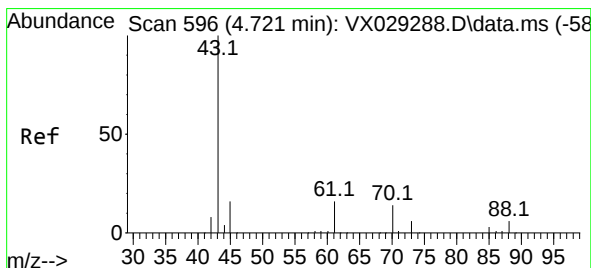
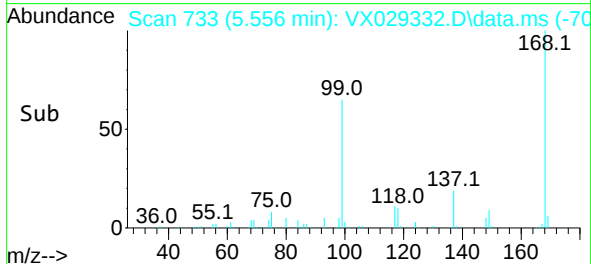
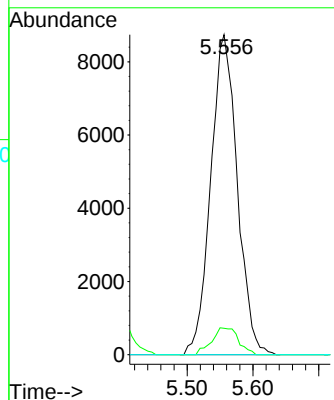
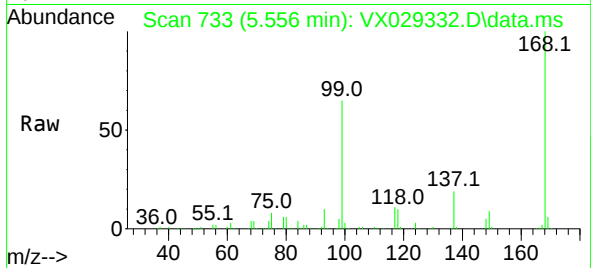




#36
1,1-Dichloropropene
Concen: 3.511 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

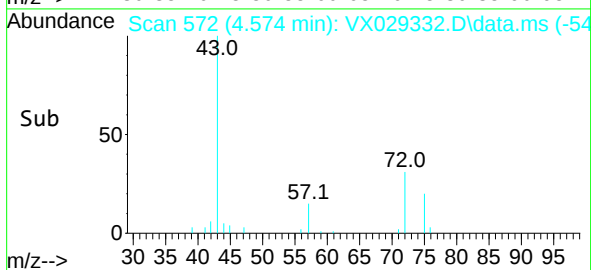
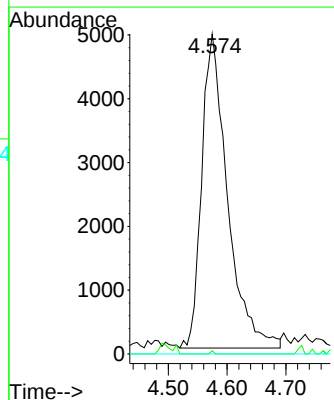
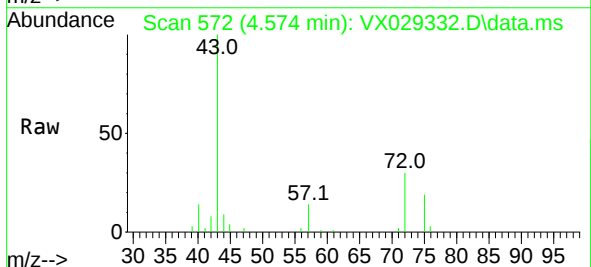
Instrument :
MSVOA_X
ClientSampleId :

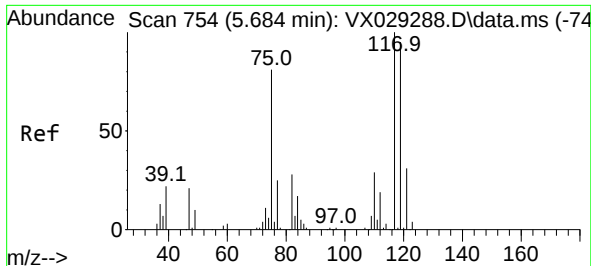
Tgt Ion: 75 Resp: 24582
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.076 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.146 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

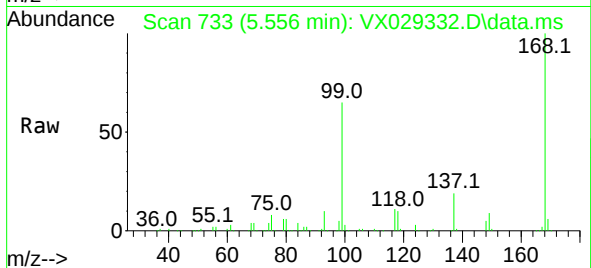
Tgt Ion: 43 Resp: 15003
Ion Ratio Lower Upper
43 100
61 0.1 12.6 19.0#
70 0.0 10.2 15.2#



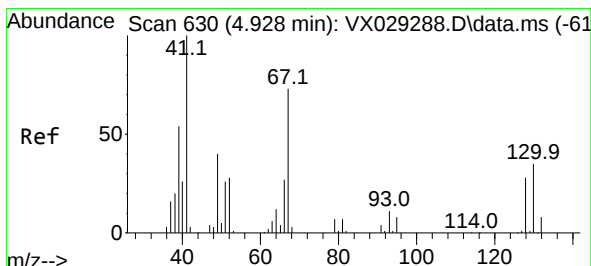
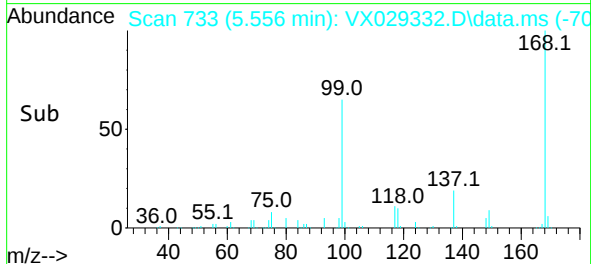
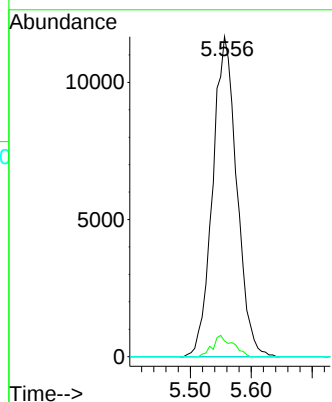


#38
Carbon Tetrachloride
Concen: 4.490 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Instrument :
MSVOA_X
ClientSampleId :

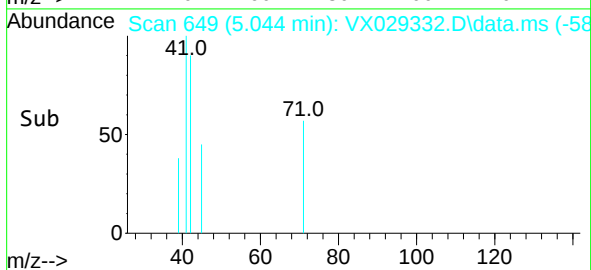
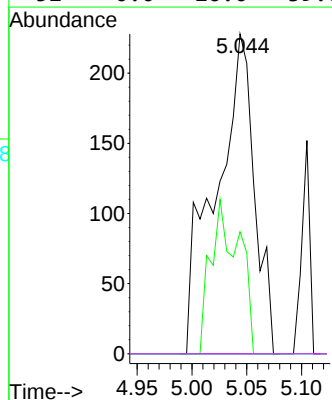
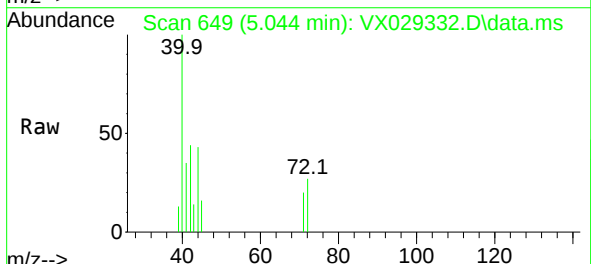


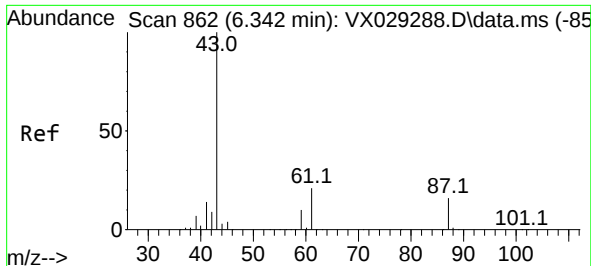
Tgt Ion:117 Resp: 32132
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 41 Resp: 562
Ion Ratio Lower Upper
41 100
39 35.4 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

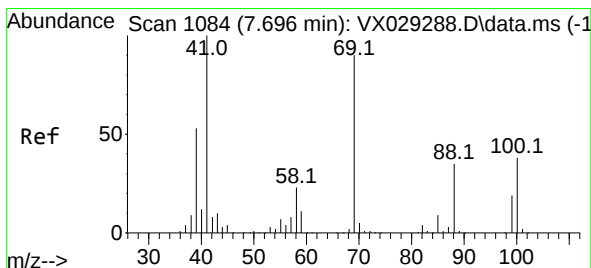
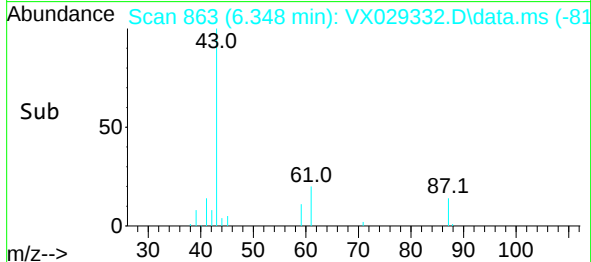
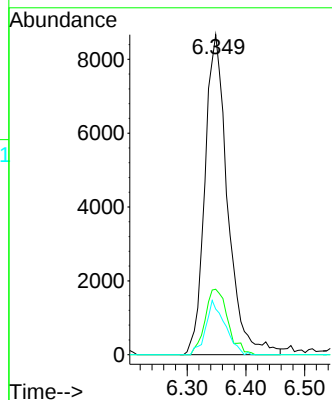
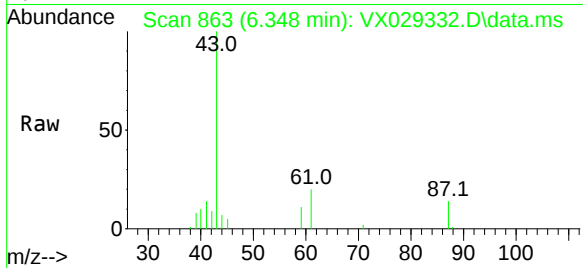




#43
Isopropyl Acetate
Concen: 2.152 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

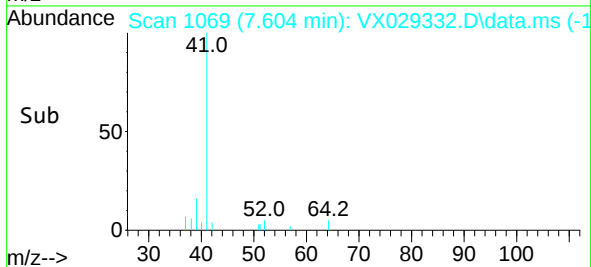
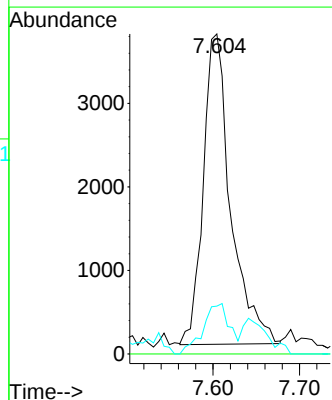
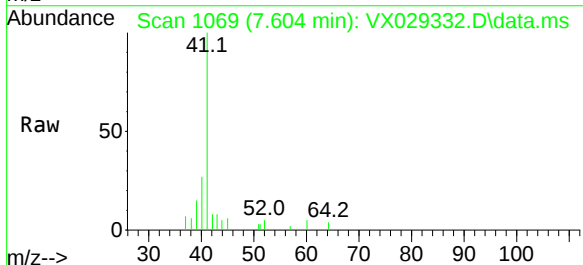
Instrument :
MSVOA_X
ClientSampleId :

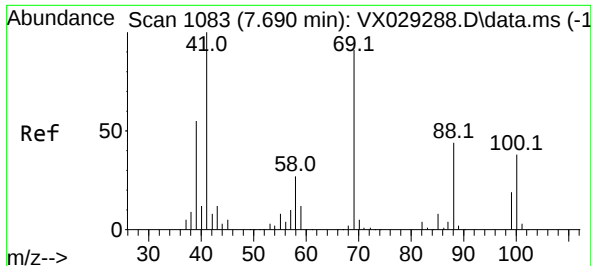
Tgt Ion: 43 Resp: 23371
Ion Ratio Lower Upper
43 100
61 20.4 18.5 27.7
87 14.3 13.0 19.6



#48
Methyl methacrylate
Concen: 1.498 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 41 Resp: 8182
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 15.8 43.8 65.8#





#49

1,4-Dioxane

Concen: 1.096 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

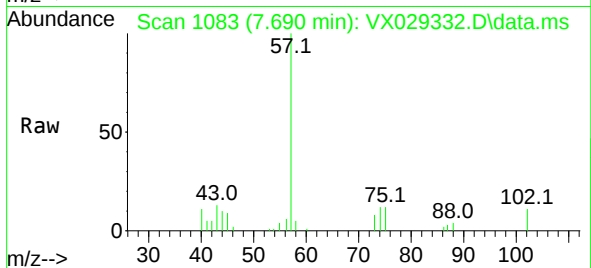
Lab File: VX029332.D

Acq: 08 Jun 2022 19:30

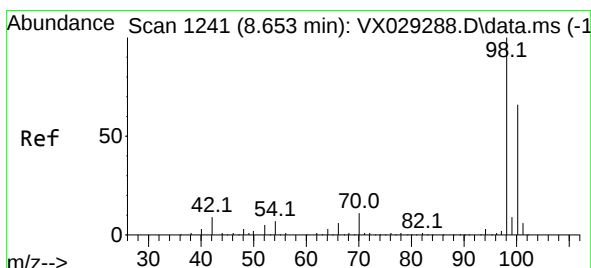
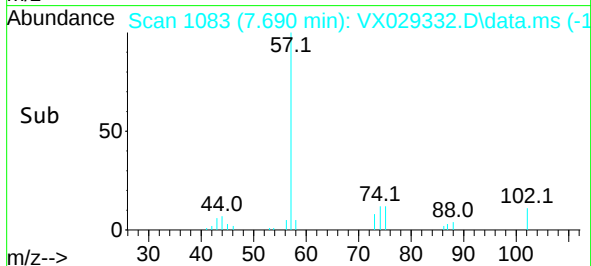
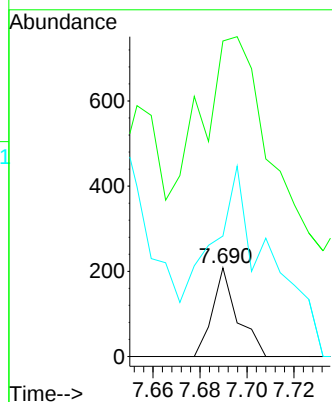
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	88	Resp:	154
Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.9	32.9#
58	517.5	53.7	80.5#



#50

Toluene-d8

Concen: 52.671 ug/l

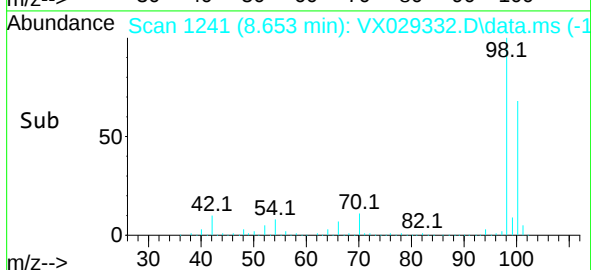
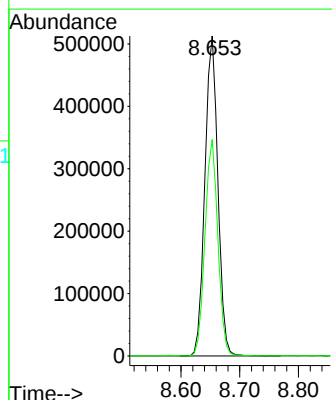
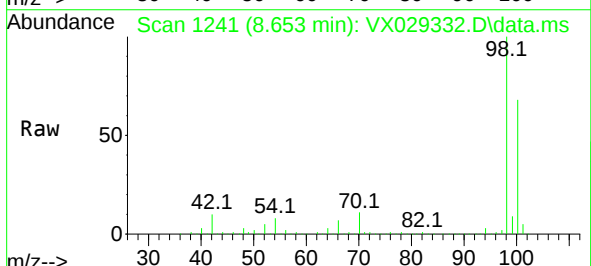
RT: 8.653 min Scan# 1241

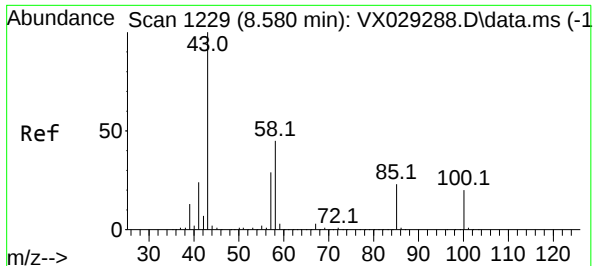
Delta R.T. -0.000 min

Lab File: VX029332.D

Acq: 08 Jun 2022 19:30

Tgt Ion:	98	Resp:	789553
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.6	78.8

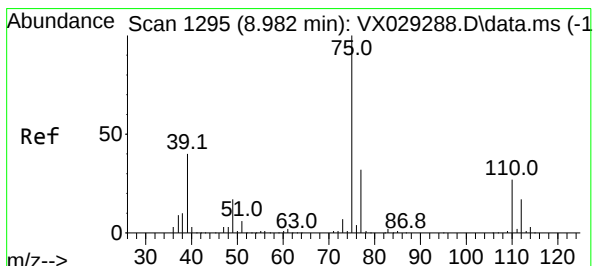
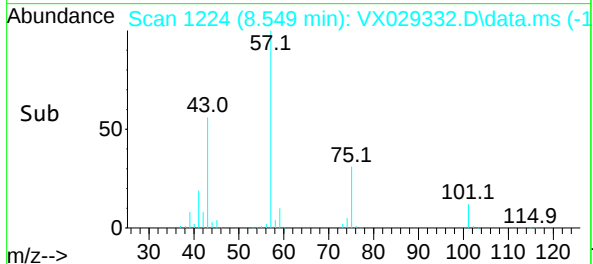
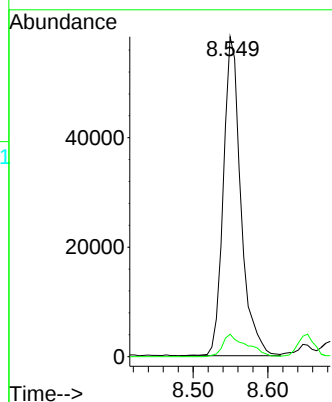
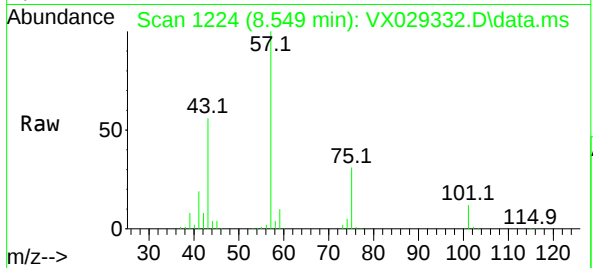




#51
4-Methyl-2-Pentanone
Concen: 13.379 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

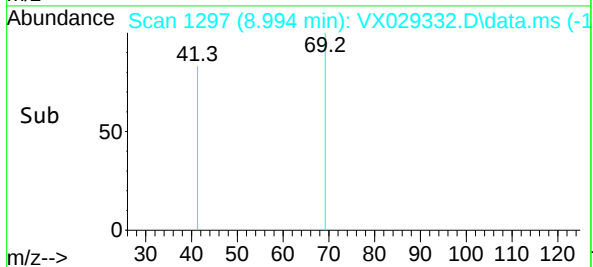
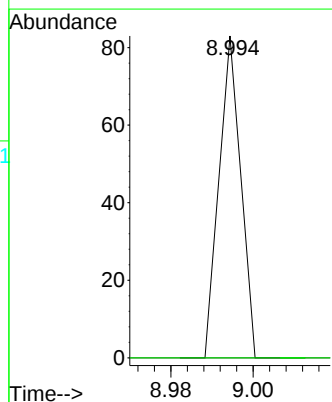
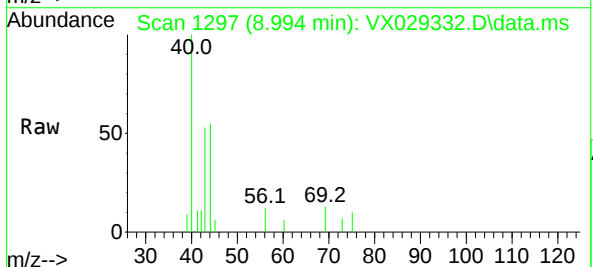
Instrument :
MSVOA_X
ClientSampleId :

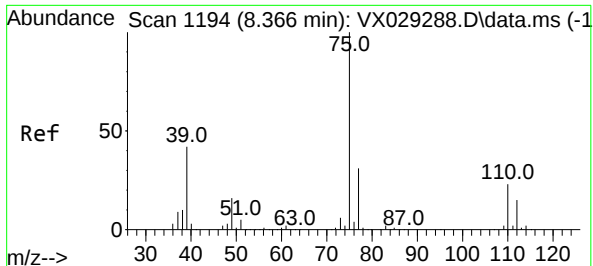
Tgt Ion: 43 Resp: 95072
Ion Ratio Lower Upper
43 100
58 9.7 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.320 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

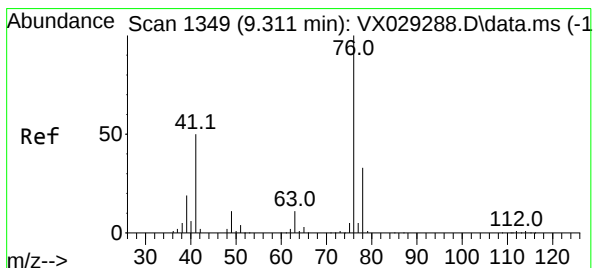
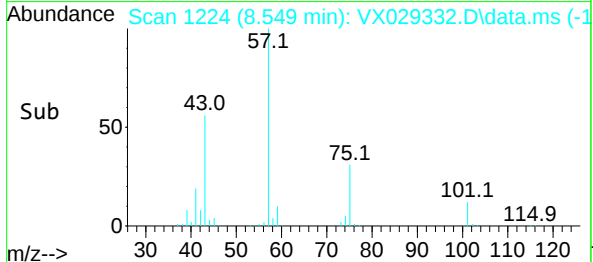
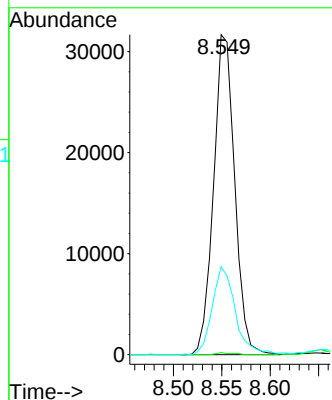
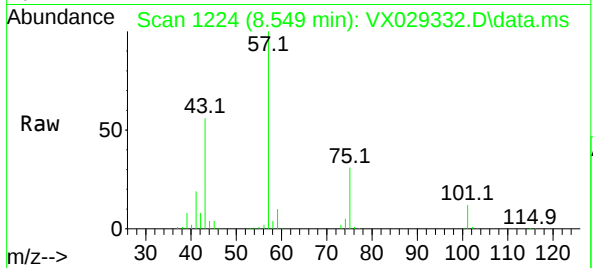




#54
 cis-1,3-Dichloropropene
 Concen: 6.121 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029332.D
 Acq: 08 Jun 2022 19:30

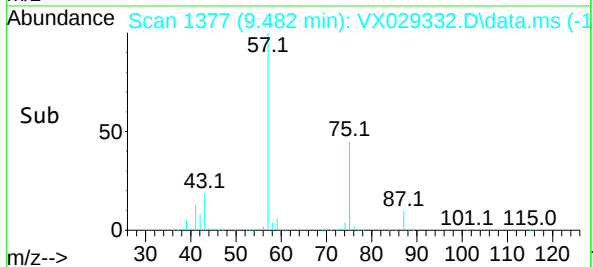
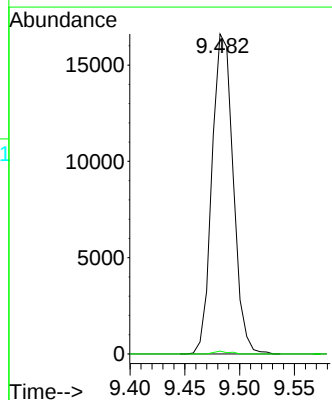
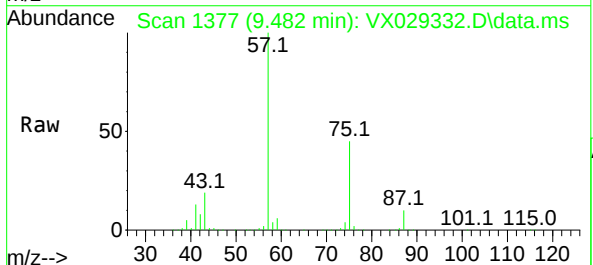
Instrument :
 MSVOA_X
 ClientSampleId :

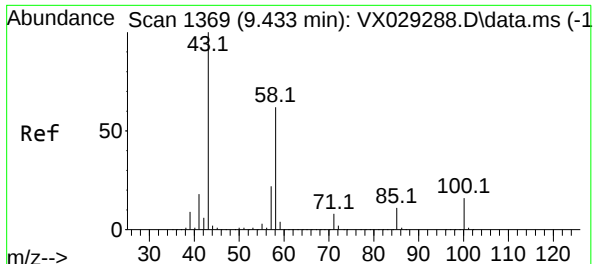
Tgt Ion: 75 Resp: 48148
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 27.5 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 2.453 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029332.D
 Acq: 08 Jun 2022 19:30

Tgt Ion: 76 Resp: 22378
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

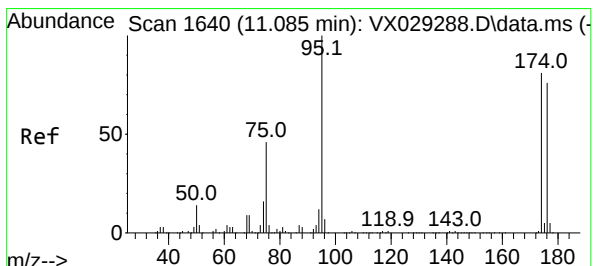
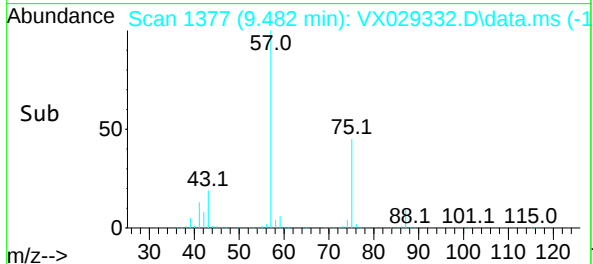
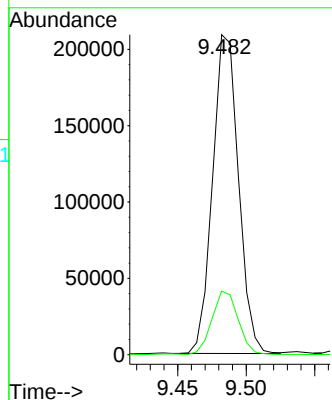
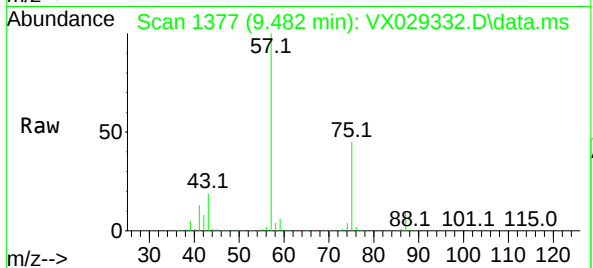




#59
2-Hexanone
Concen: 50.867 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

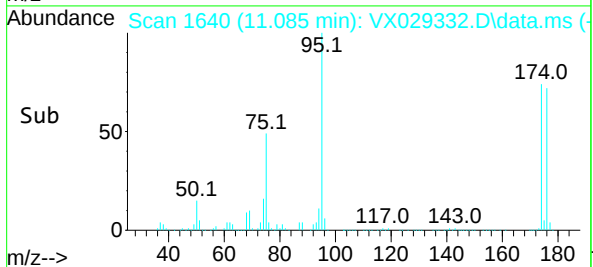
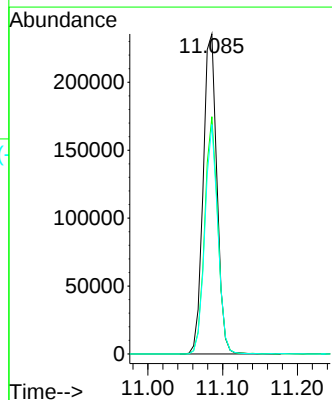
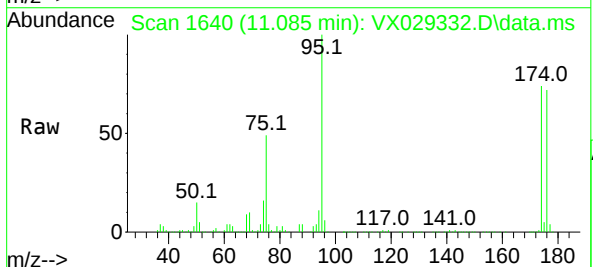
Instrument :
MSVOA_X
ClientSampleId :

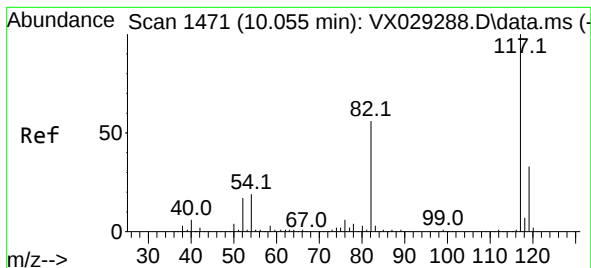
Tgt Ion: 43 Resp: 274820
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.252 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 95 Resp: 300660
Ion Ratio Lower Upper
95 100
174 70.8 0.0 163.0
176 68.0 0.0 155.0

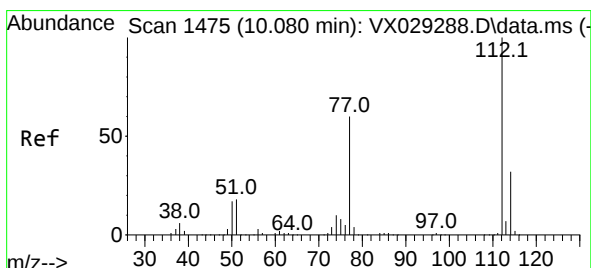
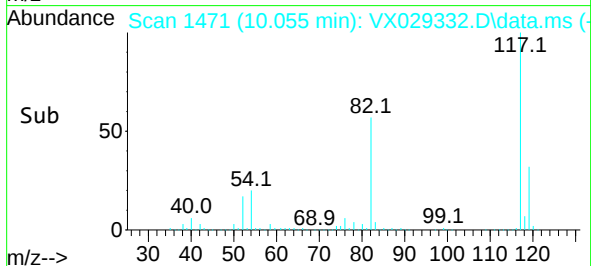
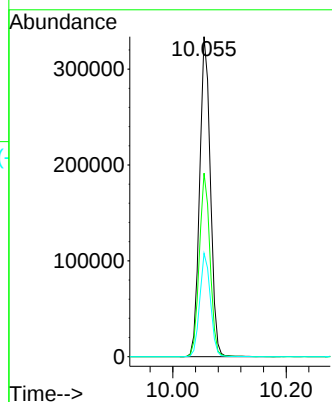
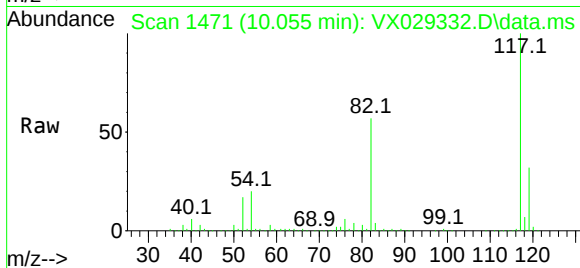




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

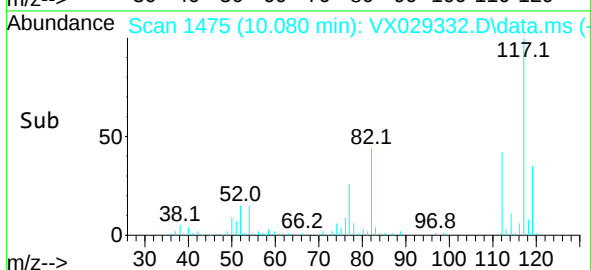
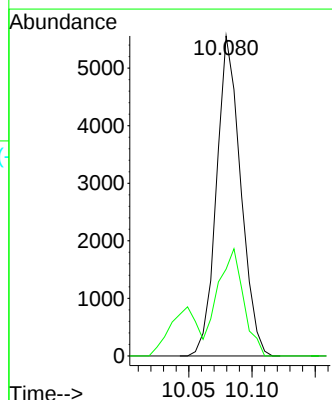
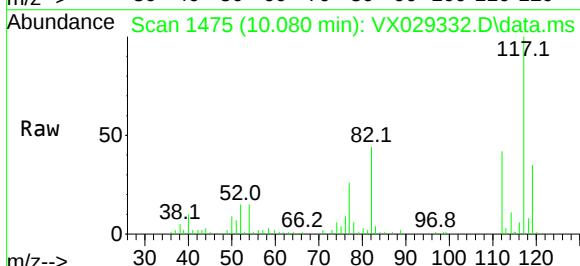
Instrument :
MSVOA_X
ClientSampleId :

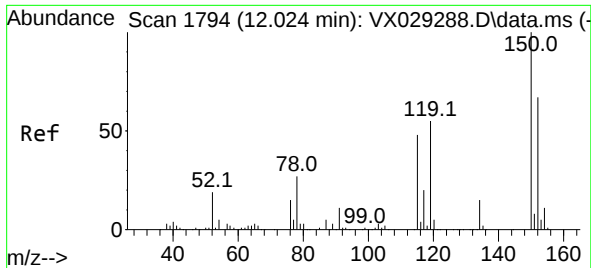
Tgt Ion:117 Resp: 438616
Ion Ratio Lower Upper
117 100
82 57.3 41.8 62.8
119 32.3 24.8 37.2



#65
Chlorobenzene
Concen: 0.609 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

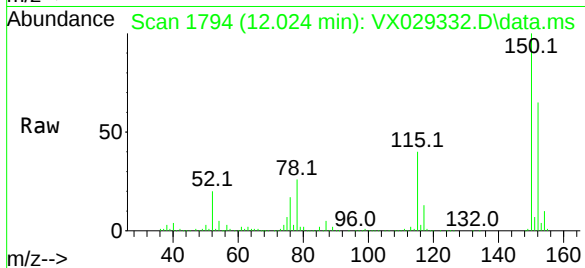
Tgt Ion:112 Resp: 7367
Ion Ratio Lower Upper
112 100
114 27.1 25.8 38.8



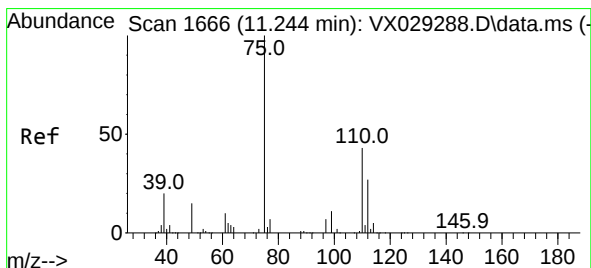
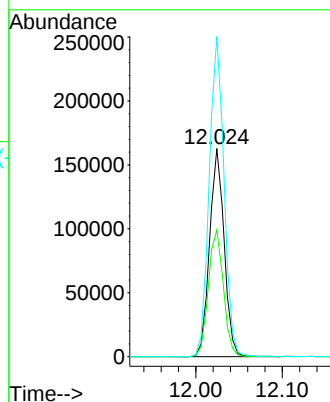
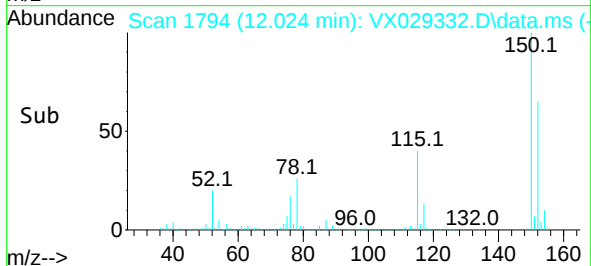


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX029332.D
 Acq: 08 Jun 2022 19:30

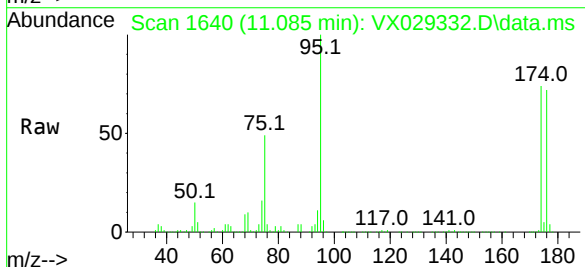
Instrument :
 MSVOA_X
 ClientSampleId :



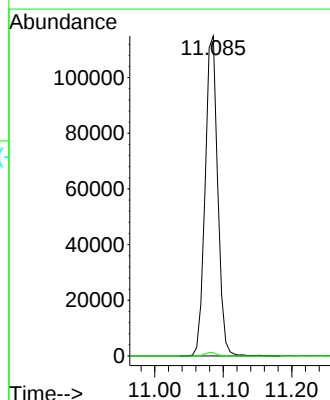
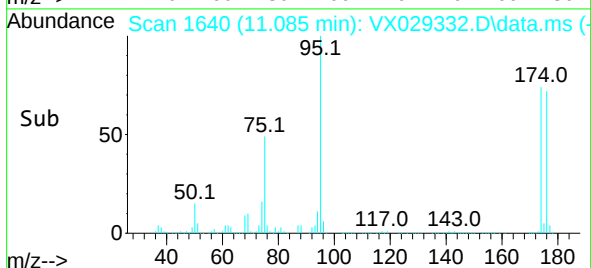
Tgt Ion:152 Resp: 190472
 Ion Ratio Lower Upper
 152 100
 115 62.6 37.5 112.7
 150 156.0 0.0 338.2

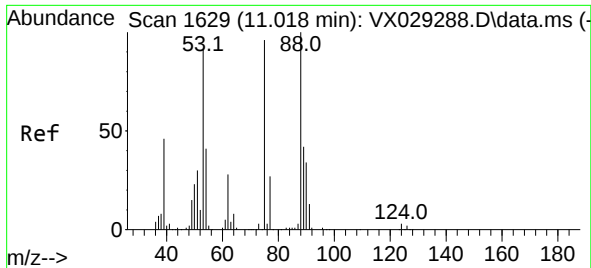


#76
 1,2,3-Trichloropropane
 Concen: 33.018 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX029332.D
 Acq: 08 Jun 2022 19:30



Tgt Ion: 75 Resp: 146893
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

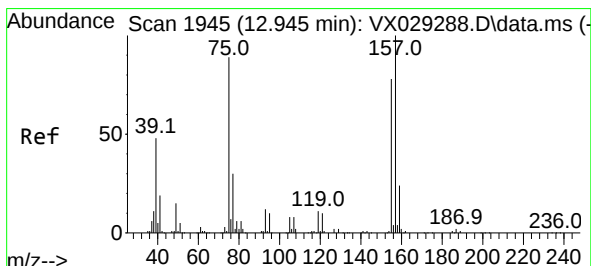
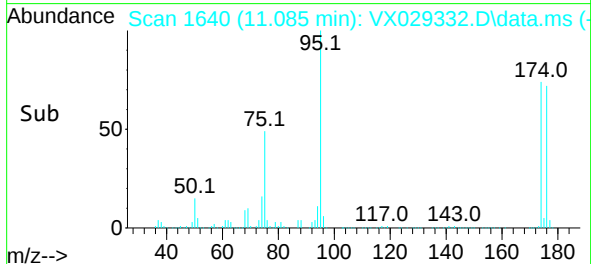
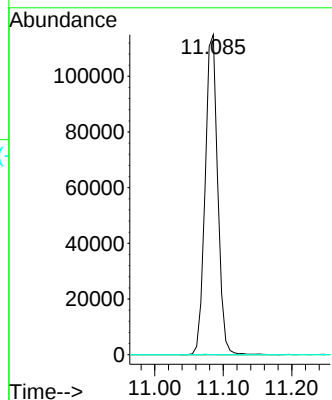
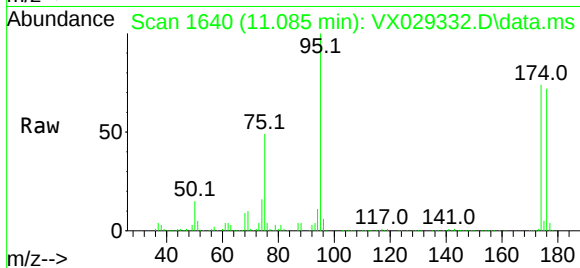




#81
trans-1,4-Dichloro-2-butene
Concen: 100.362 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 146893
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.483 ug/l
RT: 13.061 min Scan# 1964
Delta R.T. 0.116 min
Lab File: VX029332.D
Acq: 08 Jun 2022 19:30

Tgt Ion: 75 Resp: 9981
Ion Ratio Lower Upper
75 100
155 0.0 47.0 141.2#
157 0.0 57.9 173.6#

