

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029333.D
 Acq On : 08 Jun 2022 19:54
 Operator : JC/MD
 Sample : N3028-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 09 07:02:15 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)

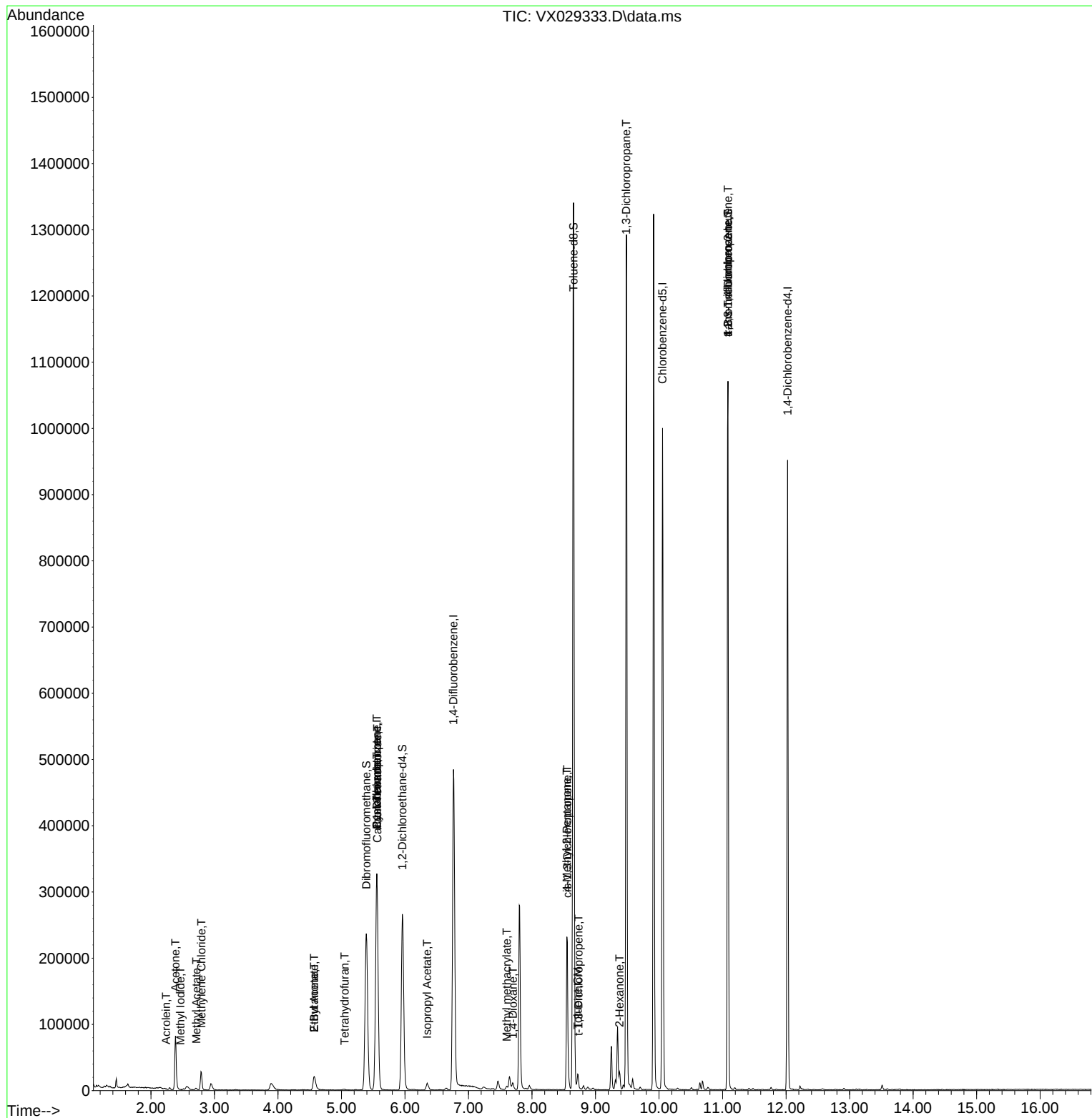
Internal Standards						
1) Pentafluorobenzene	5.556	168	296003	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	501521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	256778	57.242	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.480%			
35) Dibromofluoromethane	5.391	113	210079	49.272	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.540%			
50) Toluene-d8	8.653	98	793950	52.652	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.300%			
62) 4-Bromofluorobenzene	11.085	95	299808	50.806	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.620%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	344	Below Cal	#	43
10) Methyl Iodide	2.465	142	304	1.288	ug/l #	73
11) Tert butyl alcohol	2.940	59	7460	Below Cal	#	72
13) Acrolein	2.239	56	324	0.593	ug/l #	1
16) Acetone	2.386	43	86550	36.144	ug/l	94
18) Methyl Acetate	2.715	43	3733	0.588	ug/l	91
20) Methylene Chloride	2.794	84	12727	2.380	ug/l	98
25) 2-Butanone	4.568	43	33945	8.961	ug/l	99
29) Tetrahydrofuran	5.050	42	860	0.348	ug/l #	49
31) Cyclohexane	5.556	56	6168	0.769	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23982	3.405	ug/l #	45
37) Ethyl Acetate	4.568	43	33945	4.669	ug/l #	65
38) Carbon Tetrachloride	5.562	117	32588	4.527	ug/l #	16
41) Methacrylonitrile	5.032	41	388	Below Cal	#	29
43) Isopropyl Acetate	6.348	43	13646	1.249	ug/l	92
48) Methyl methacrylate	7.604	41	8053	1.466	ug/l #	13
49) 1,4-Dioxane	7.702	88	50	0.354	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	80637	11.281	ug/l #	45
52) Toluene	8.720	92	7903	0.587	ug/l	96
53) t-1,3-Dichloropropene	8.732	75	180	1.339	ug/l #	74
54) cis-1,3-Dichloropropene	8.555	75	38980	4.926	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	12044	1.312	ug/l #	42
59) 2-Hexanone	9.378	43	14516	2.671	ug/l #	18
76) 1,2,3-Trichloropropane	11.085	75	147865	33.222	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	147865	100.970	ug/l #	15

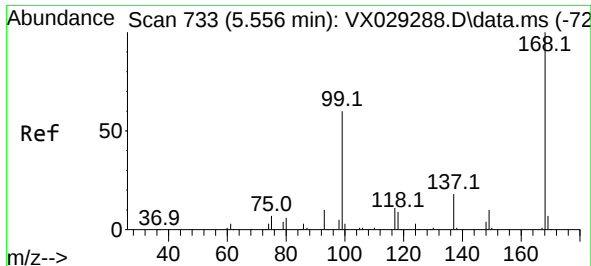
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
Data File : VX029333.D
Acq On : 08 Jun 2022 19:54
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

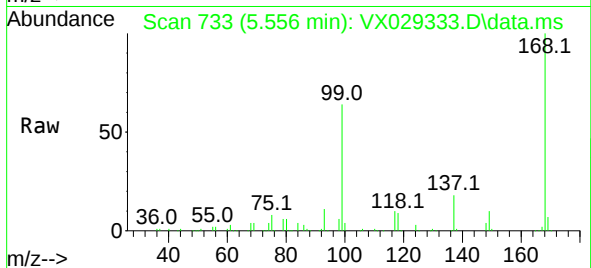
Quant Time: Jun 09 07:02:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration



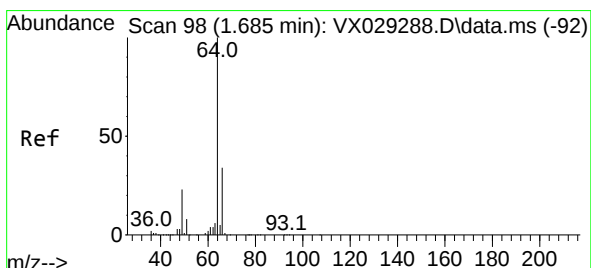
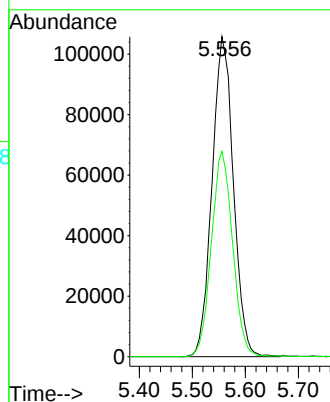
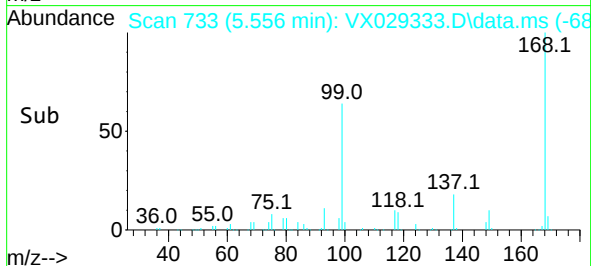


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Instrument :
MSVOA_X
ClientSampleId :

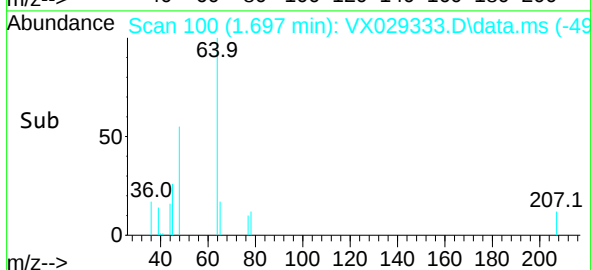
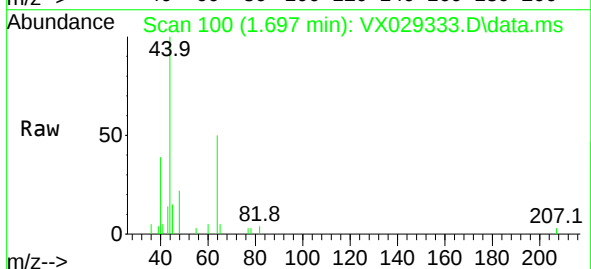


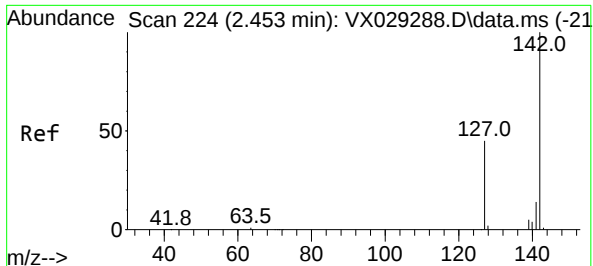
Tgt Ion:168 Resp: 296003
Ion Ratio Lower Upper
168 100
99 64.1 41.7 62.5#



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

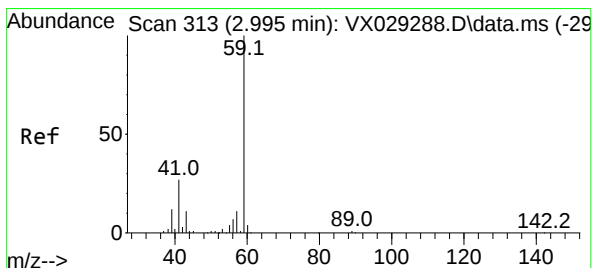
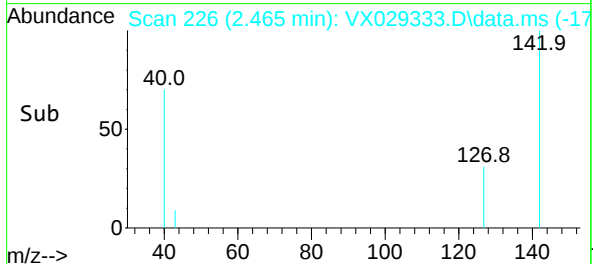
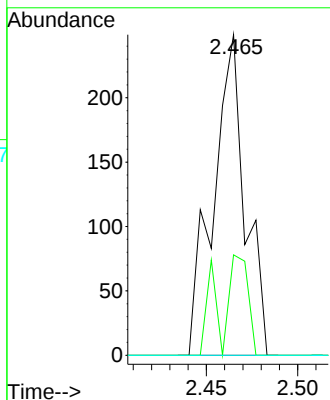
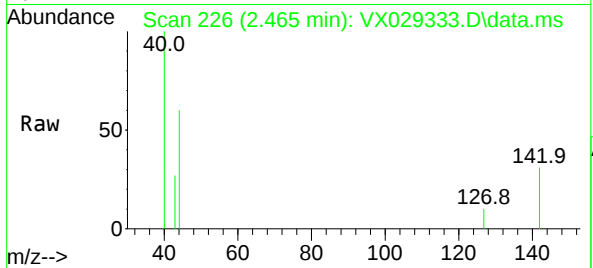




#10
Methyl Iodide
Concen: 1.288 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

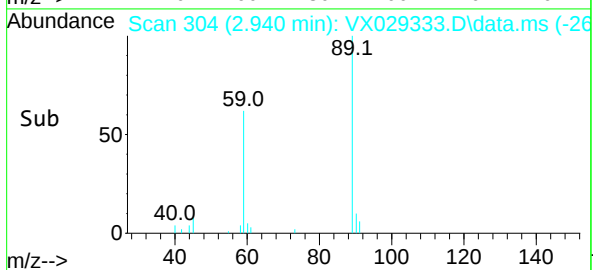
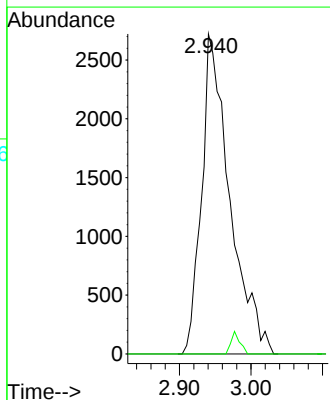
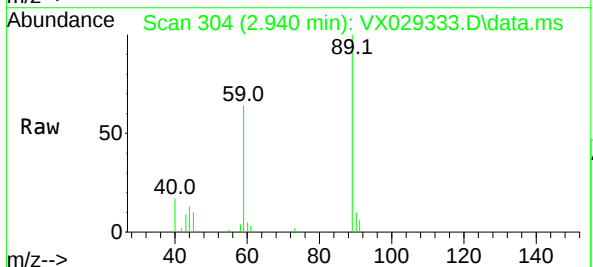
Instrument :
MSVOA_X
ClientSampleId :

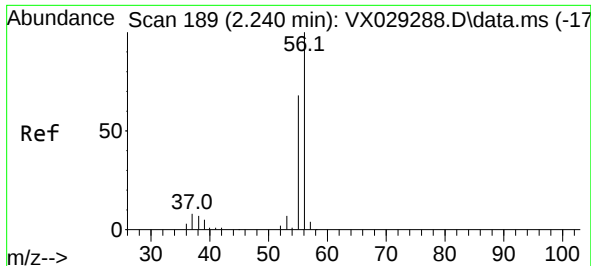
Tgt Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 27.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

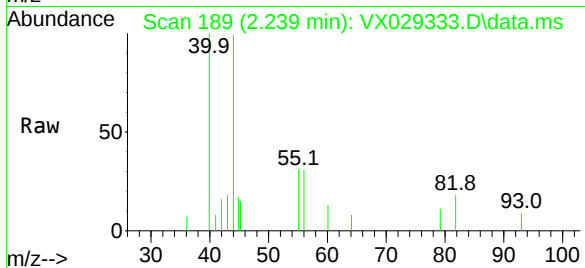
Tgt Ion: 59 Resp: 7460
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



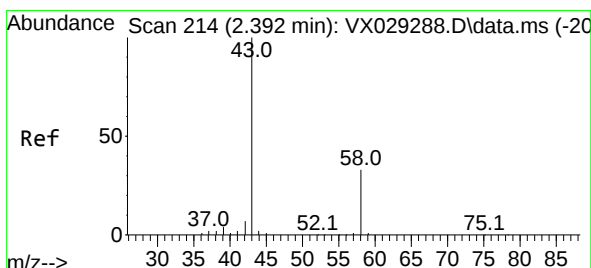
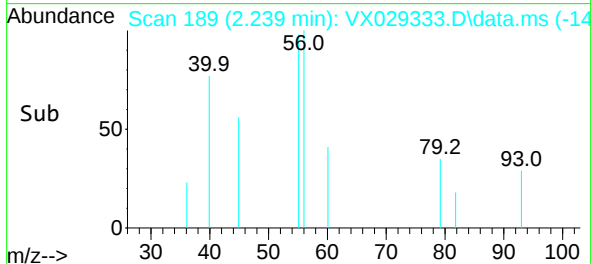
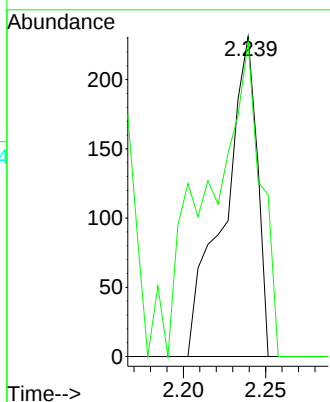


#13
Acrolein
Concen: 0.593 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Instrument :
MSVOA_X
ClientSampleId :

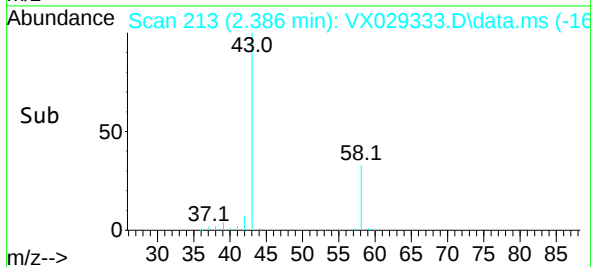
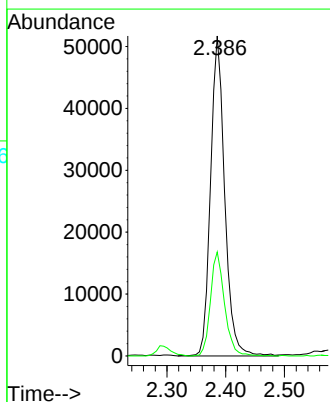
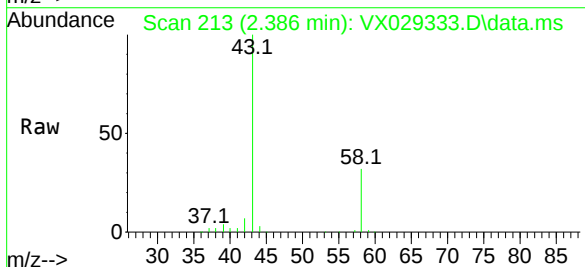


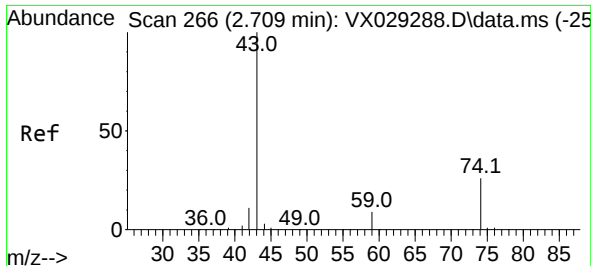
Tgt Ion: 56 Resp: 324
Ion Ratio Lower Upper
56 100
55 152.2 55.0 82.6#



#16
Acetone
Concen: 36.144 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 43 Resp: 86550
Ion Ratio Lower Upper
43 100
58 32.5 28.8 43.2

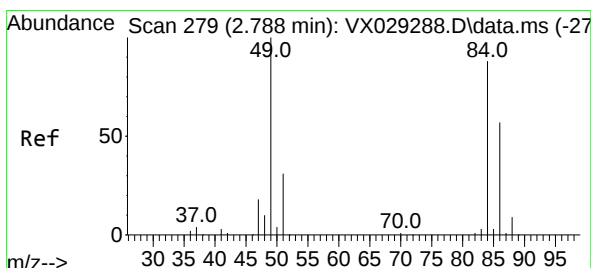
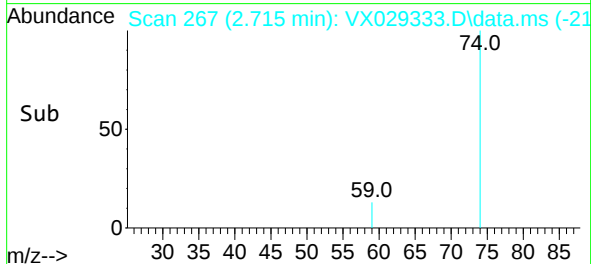
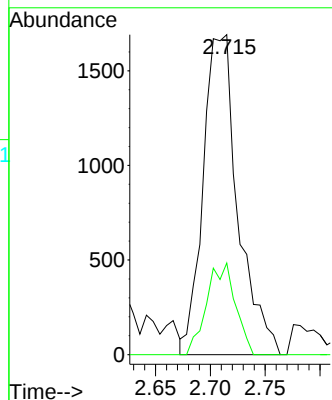
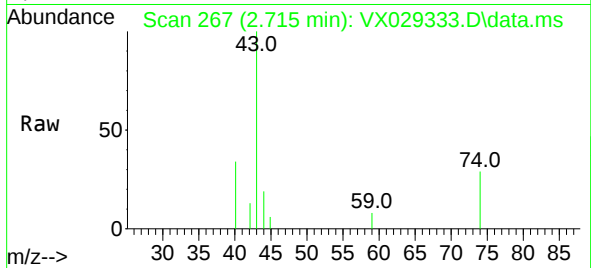




#18
Methyl Acetate
Concen: 0.588 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

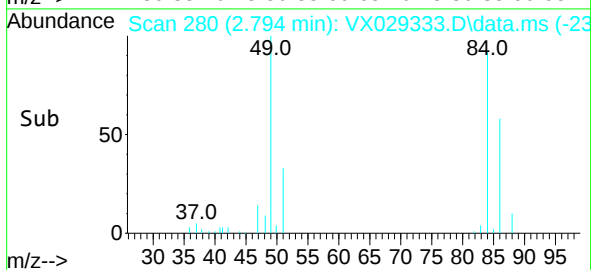
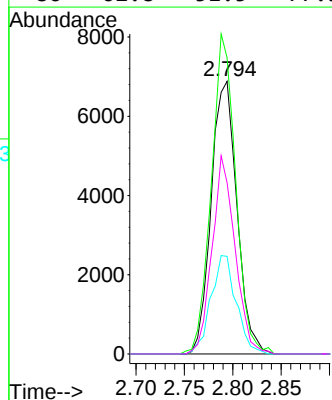
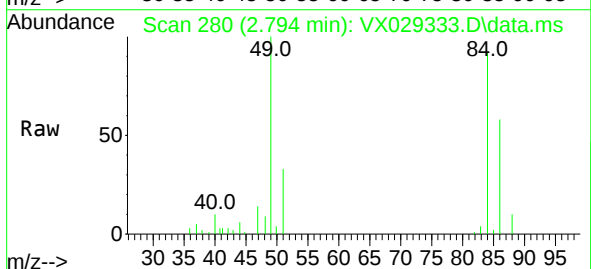
Instrument :
MSVOA_X
ClientSampleId :

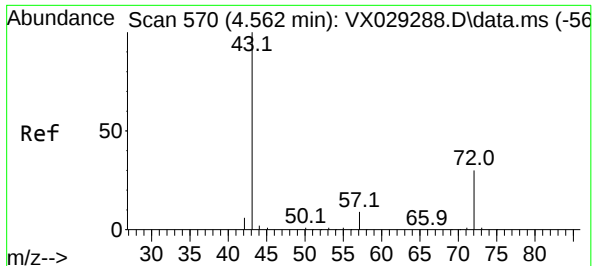
Tgt Ion: 43 Resp: 3733
Ion Ratio Lower Upper
43 100
74 23.5 22.8 34.2



#20
Methylene Chloride
Concen: 2.380 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 84 Resp: 12727
Ion Ratio Lower Upper
84 100
49 108.6 85.5 128.3
51 35.8 26.6 39.8
86 62.8 51.5 77.3





#25

2-Butanone

Concen: 8.961 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Instrument :

MSVOA_X

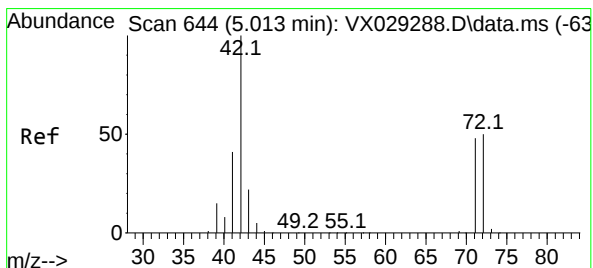
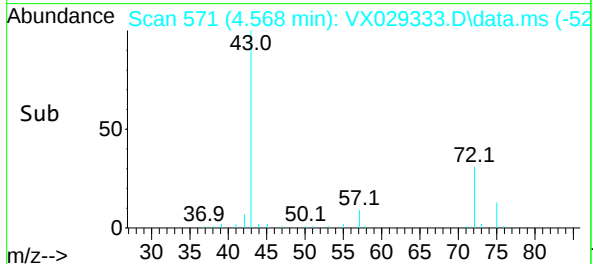
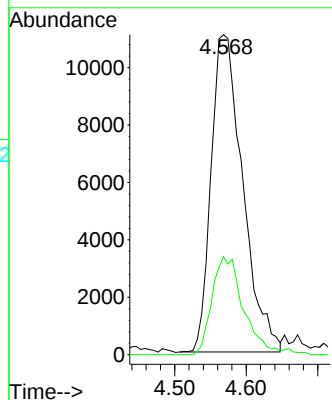
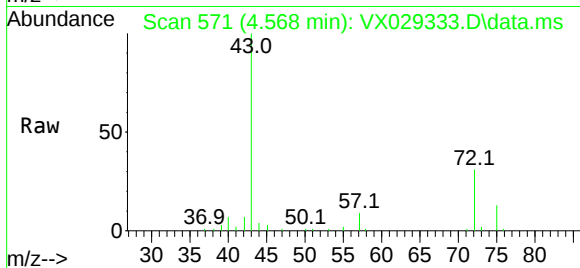
ClientSampleId :

Tgt Ion: 43 Resp: 33945

Ion Ratio Lower Upper

43 100

72 30.9 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.348 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.036 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

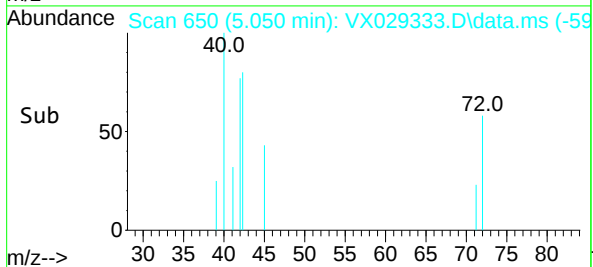
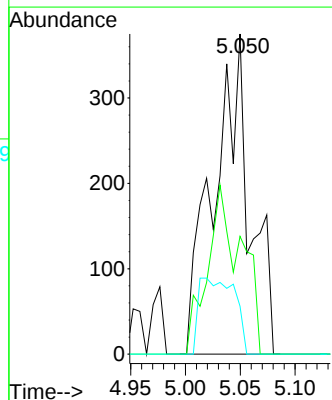
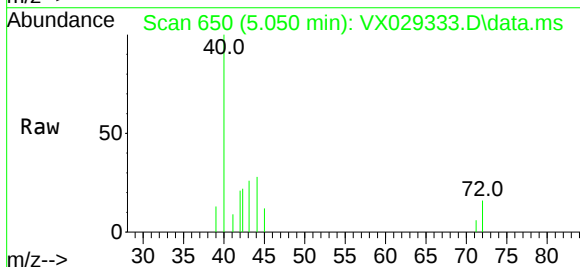
Tgt Ion: 42 Resp: 860

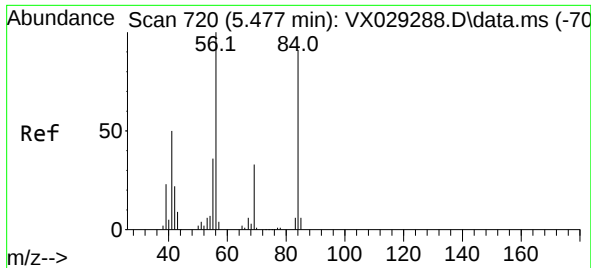
Ion Ratio Lower Upper

42 100

72 33.4 44.1 66.1#

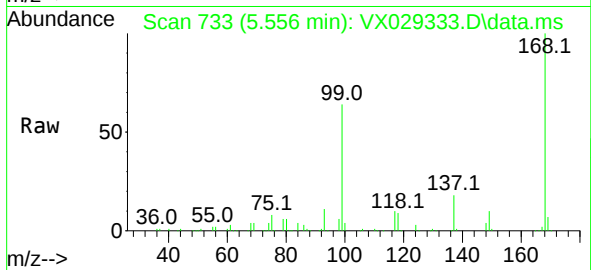
71 0.0 40.5 60.7#



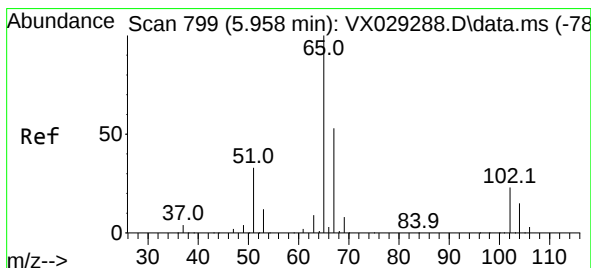
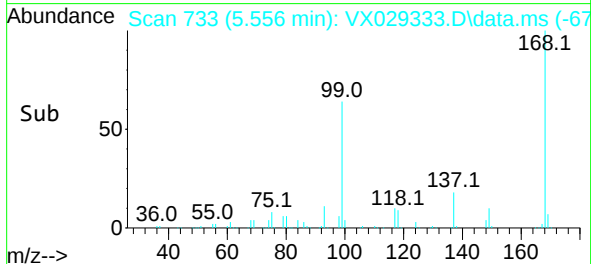
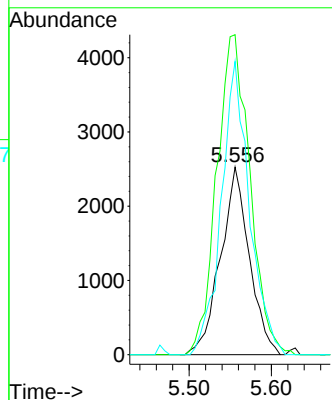


#31
Cyclohexane
Concen: 0.769 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Instrument :
MSVOA_X
ClientSampleId :

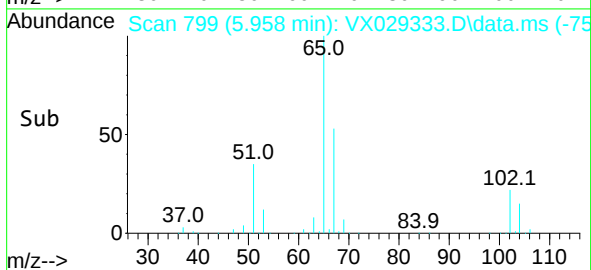
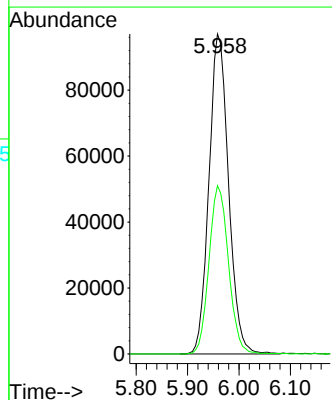
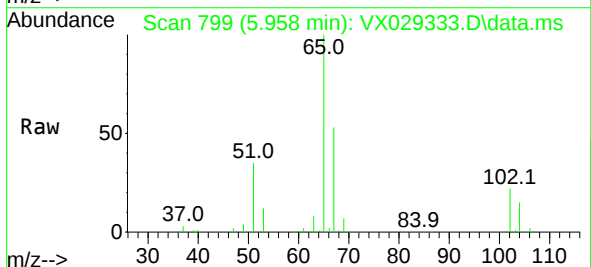


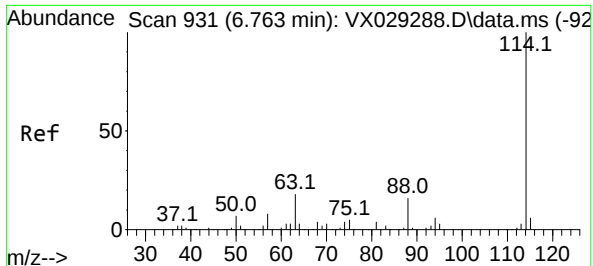
Tgt Ion: 56 Resp: 6168
Ion Ratio Lower Upper
56 100
69 170.6 26.7 40.1#
84 156.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.242 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 65 Resp: 256778
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

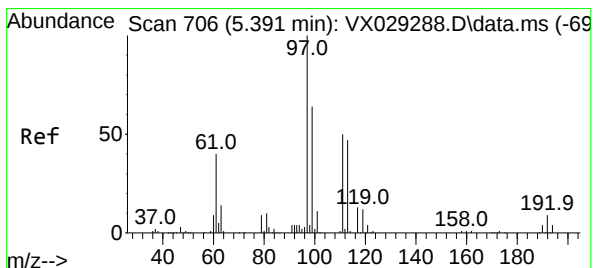
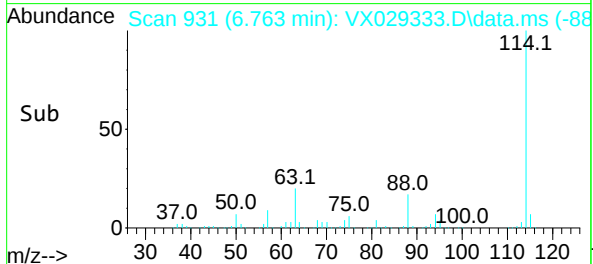
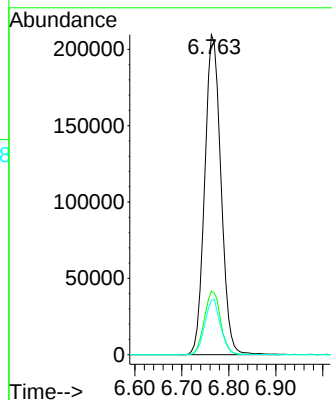
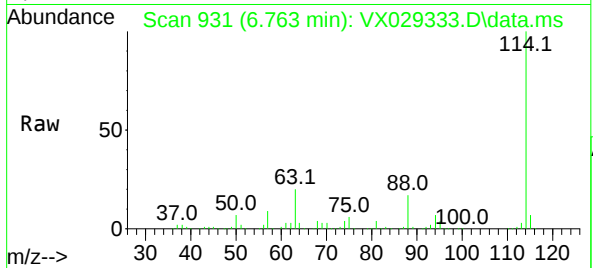




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

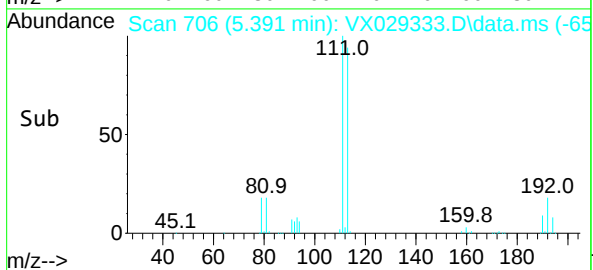
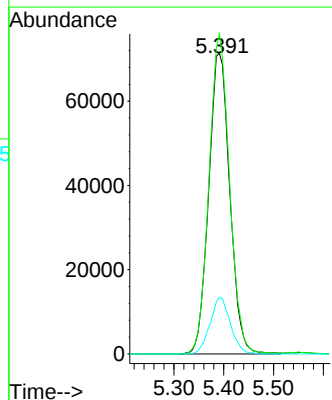
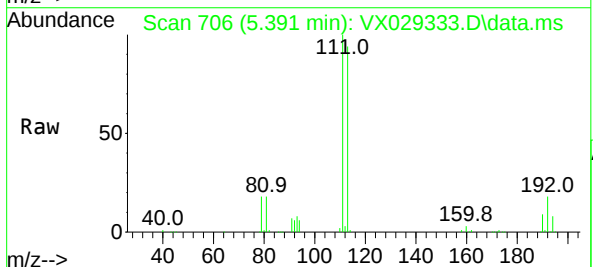
Instrument :
MSVOA_X
ClientSampleId :

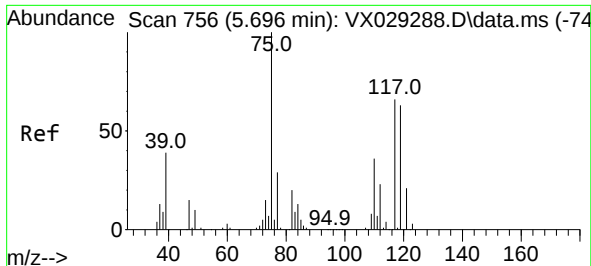
Tgt Ion:114 Resp: 501521
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 16.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.272 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

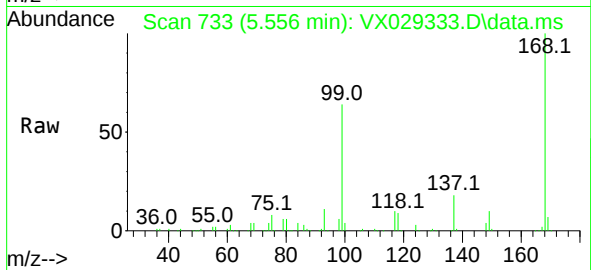
Tgt Ion:113 Resp: 210079
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 18.1 16.9 25.3



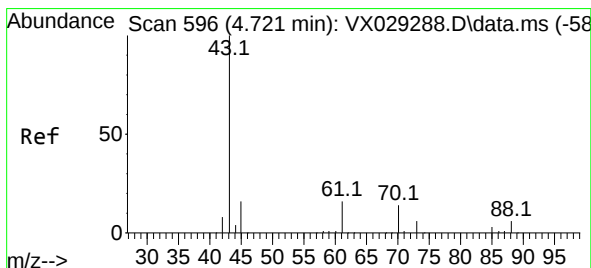
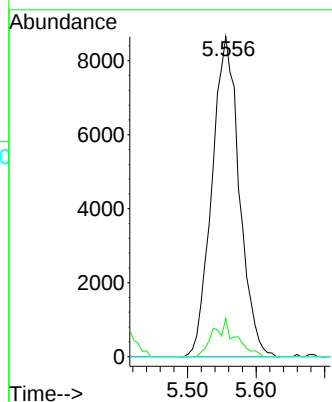
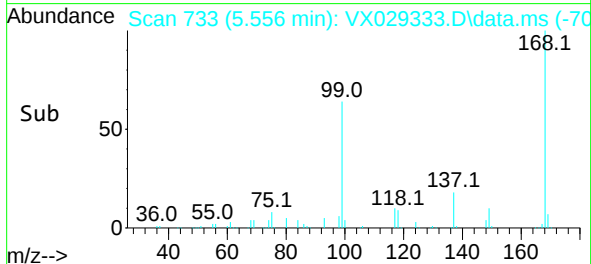


#36
1,1-Dichloropropene
Concen: 3.405 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

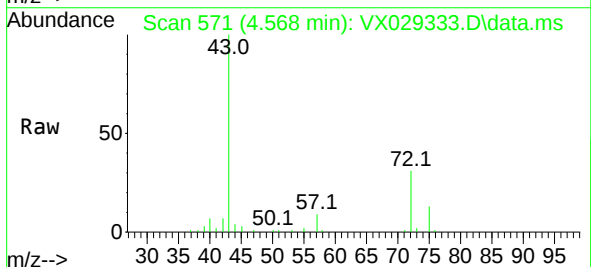
Instrument :
MSVOA_X
ClientSampleId :



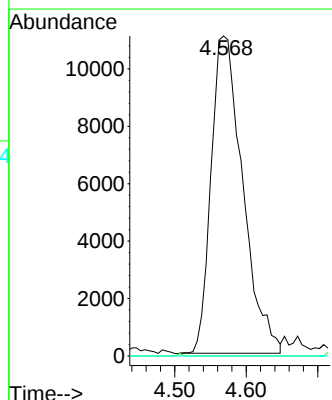
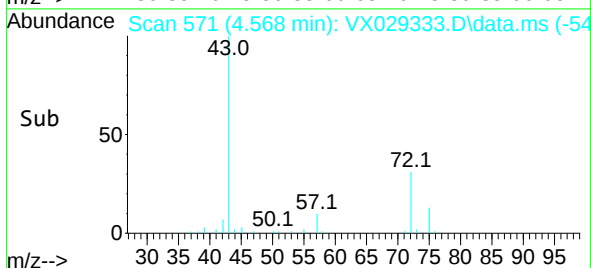
Tgt Ion: 75 Resp: 23982
Ion Ratio Lower Upper
75 100
110 4.3 18.3 54.8#
77 0.0 24.8 37.2#

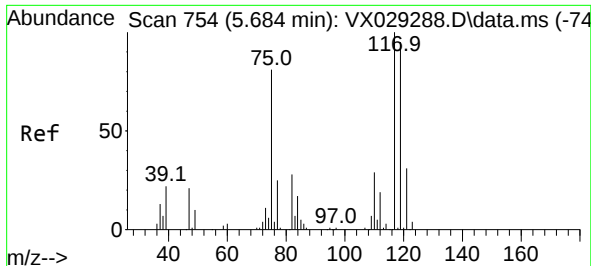


#37
Ethyl Acetate
Concen: 4.669 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.153 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54



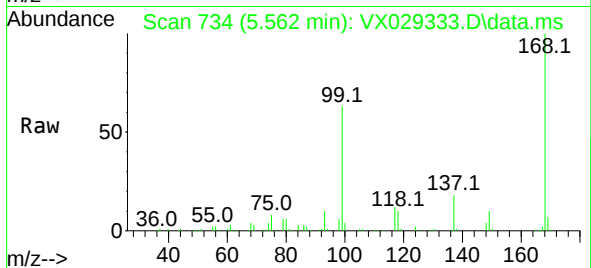
Tgt Ion: 43 Resp: 33945
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#



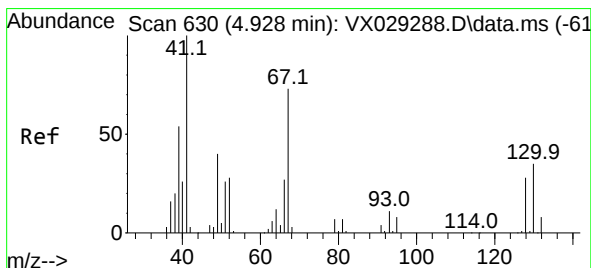
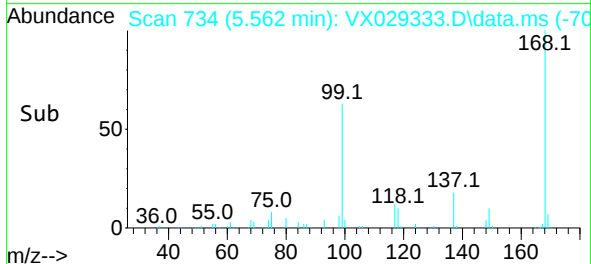
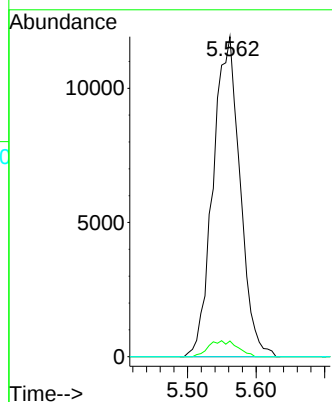


#38
Carbon Tetrachloride
Concen: 4.527 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Instrument :
MSVOA_X
ClientSampleId :

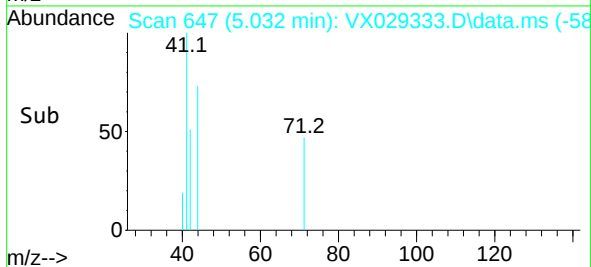
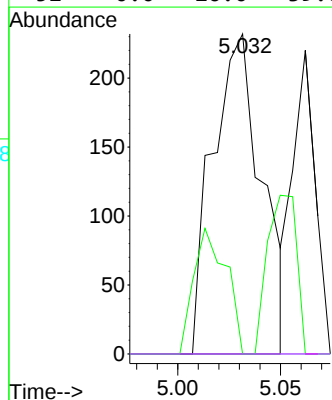
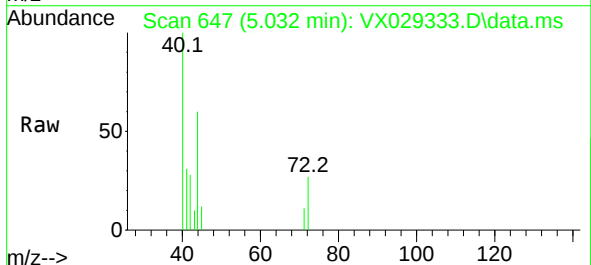


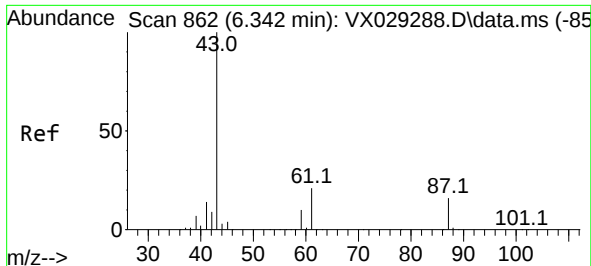
Tgt Ion:117 Resp: 32588
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 41 Resp: 388
Ion Ratio Lower Upper
41 100
39 25.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

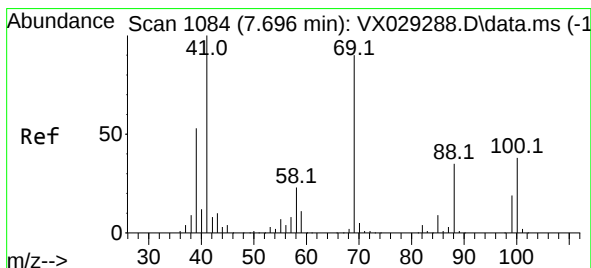
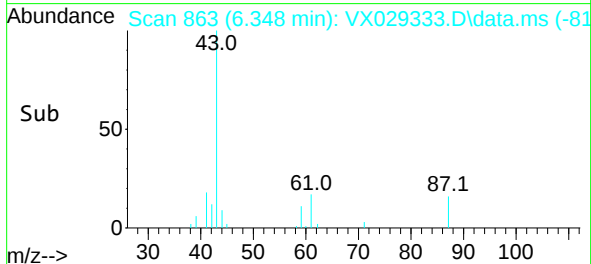
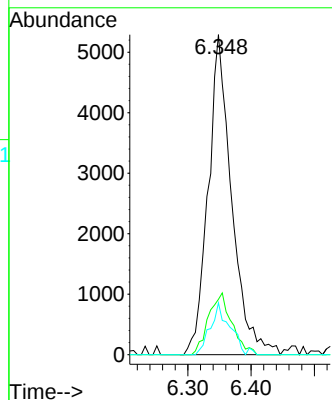
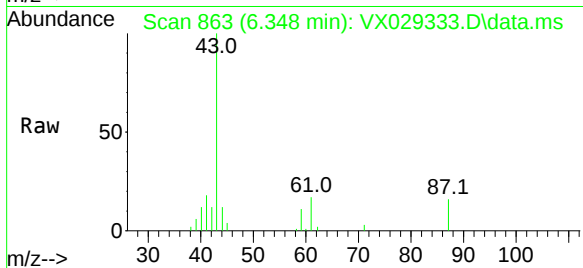




#43
Isopropyl Acetate
Concen: 1.249 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

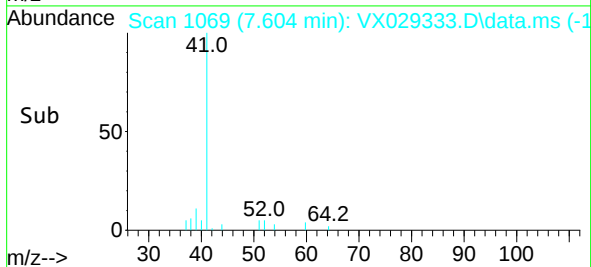
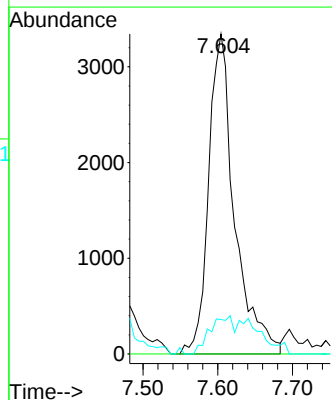
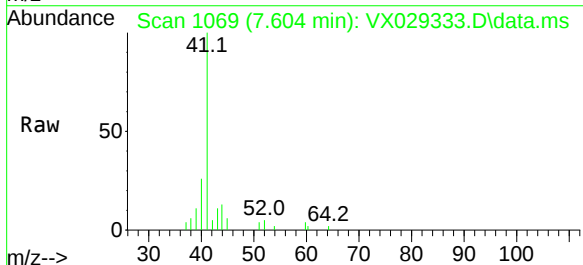
Instrument :
MSVOA_X
ClientSampleId :

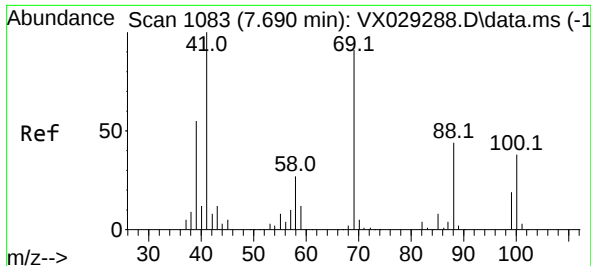
Tgt Ion: 43 Resp: 13646
Ion Ratio Lower Upper
43 100
61 19.2 18.5 27.7
87 13.1 13.0 19.6



#48
Methyl methacrylate
Concen: 1.466 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 41 Resp: 8053
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 10.8 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.354 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

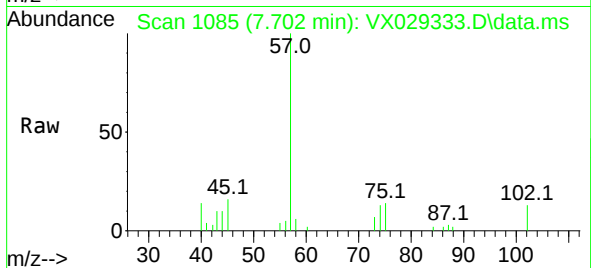
Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

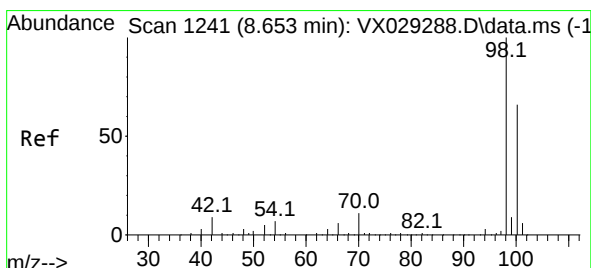
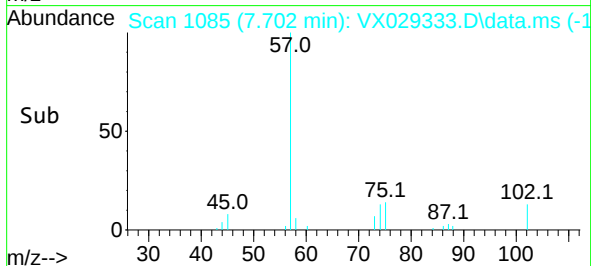
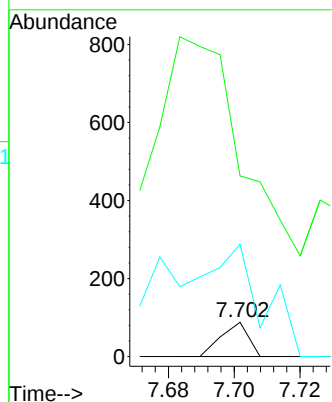
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	88	Resp:	50
Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.9	32.9#
58	0.0	53.7	80.5#



#50

Toluene-d8

Concen: 52.652 ug/l

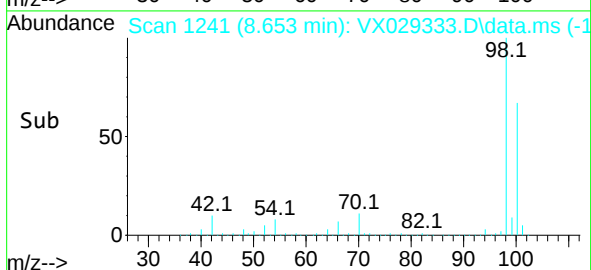
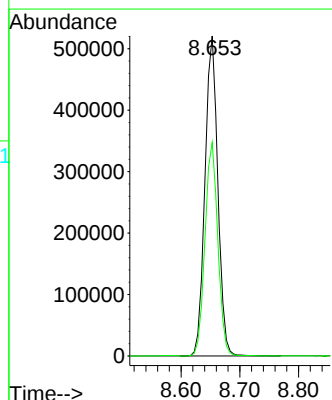
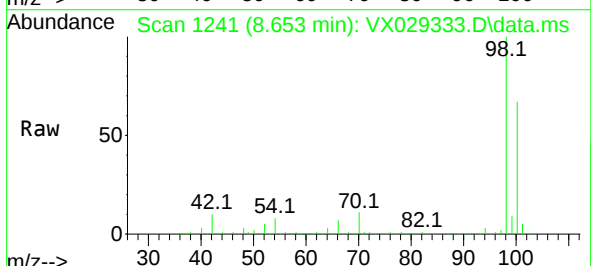
RT: 8.653 min Scan# 1241

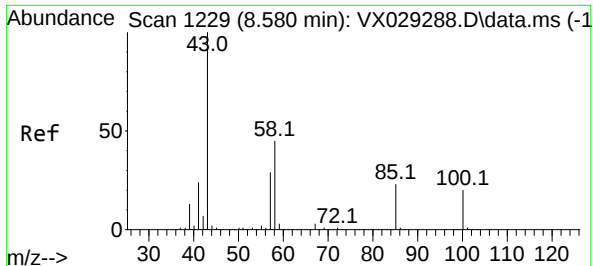
Delta R.T. -0.000 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Tgt Ion:	98	Resp:	793950
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 11.281 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Instrument :

MSVOA_X

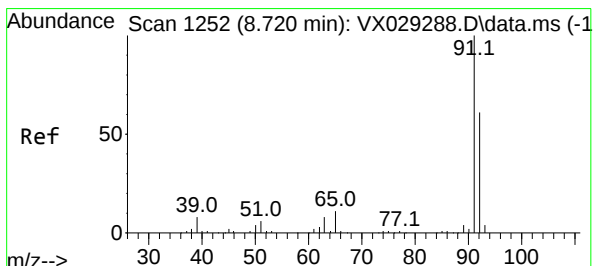
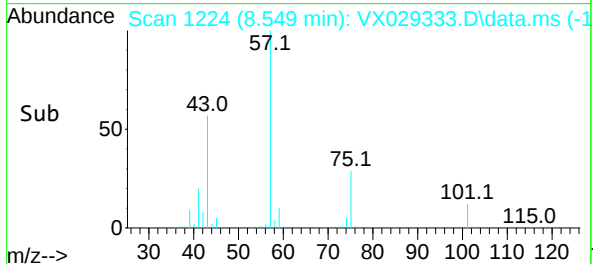
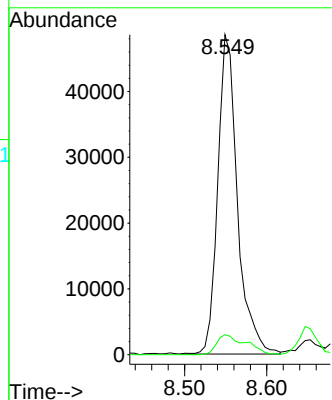
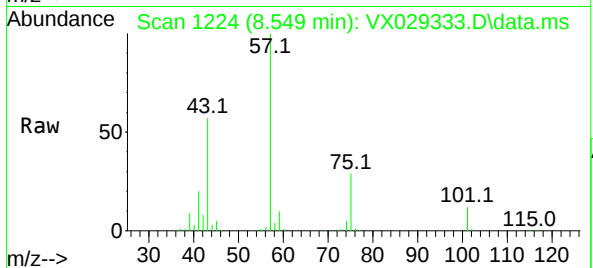
ClientSampleId :

Tgt Ion: 43 Resp: 80637

Ion Ratio Lower Upper

43 100

58 9.3 36.1 54.1#



#52

Toluene

Concen: 0.587 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX029333.D

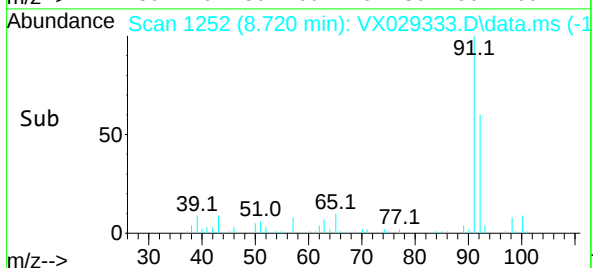
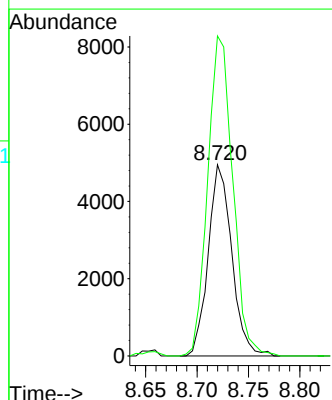
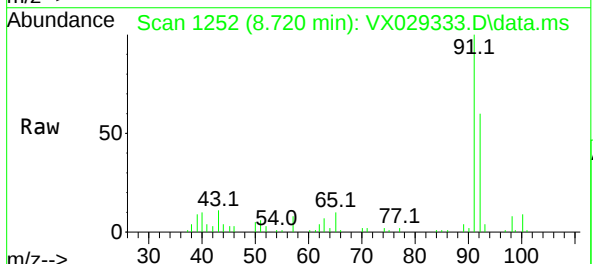
Acq: 08 Jun 2022 19:54

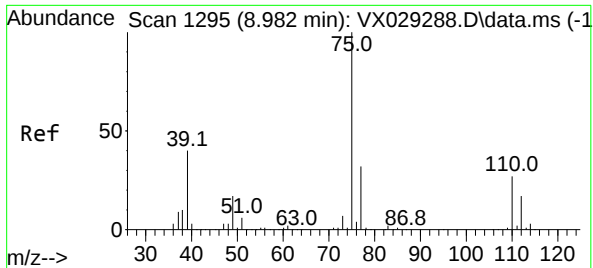
Tgt Ion: 92 Resp: 7903

Ion Ratio Lower Upper

92 100

91 177.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.339 ug/l

RT: 8.732 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Instrument :

MSVOA_X

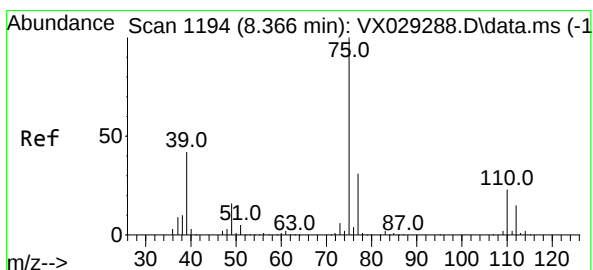
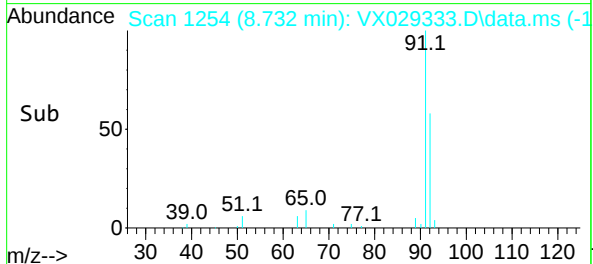
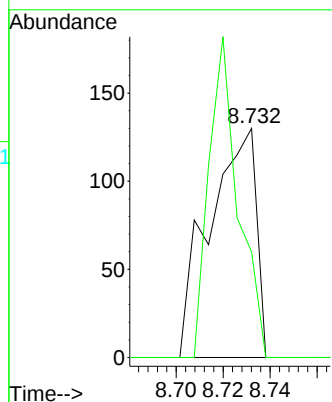
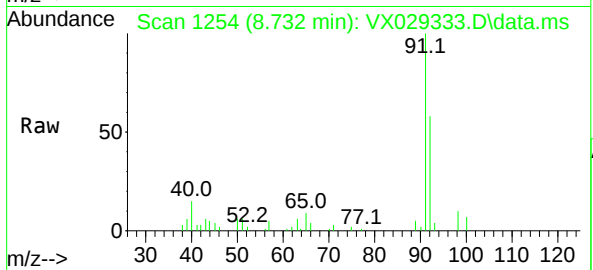
ClientSampleId :

Tgt Ion: 75 Resp: 180

Ion Ratio Lower Upper

75 100

77 46.2 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 4.926 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

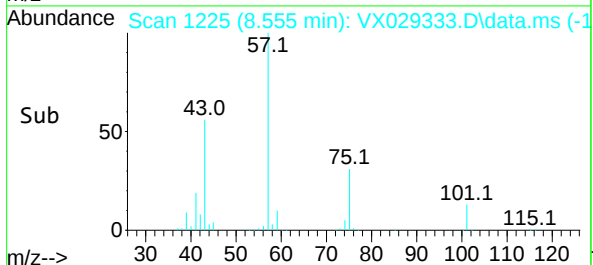
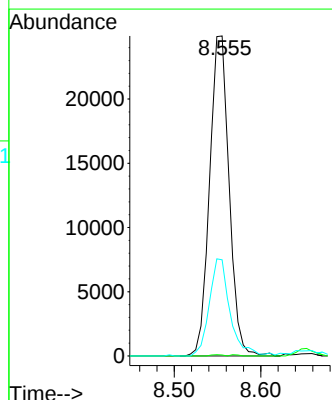
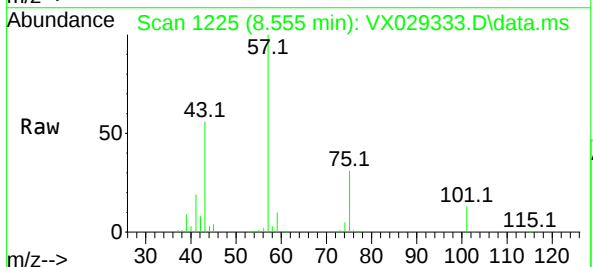
Tgt Ion: 75 Resp: 38980

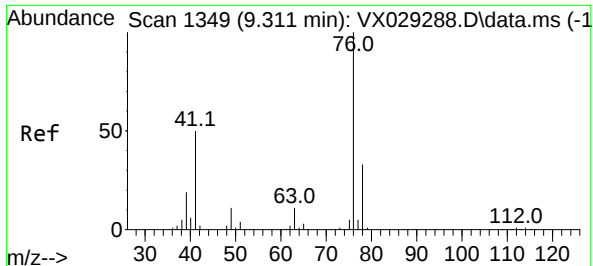
Ion Ratio Lower Upper

75 100

77 0.3 24.8 37.2#

39 30.1 29.6 44.4





#57

1,3-Dichloropropane

Concen: 1.312 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Instrument :

MSVOA_X

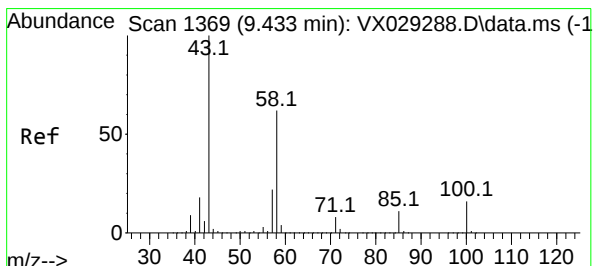
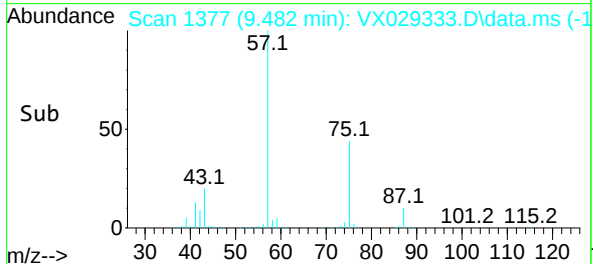
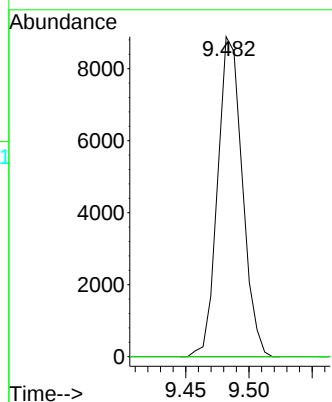
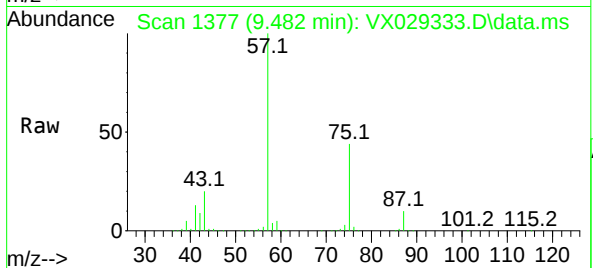
ClientSampleId :

Tgt Ion: 76 Resp: 12044

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 2.671 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX029333.D

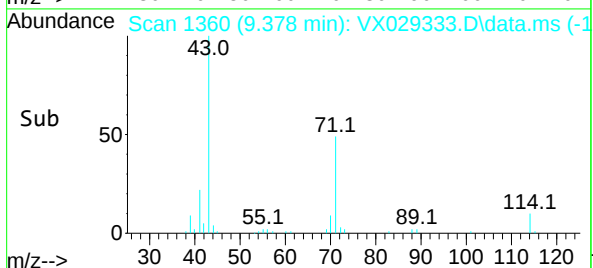
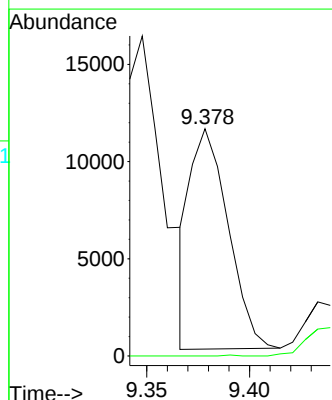
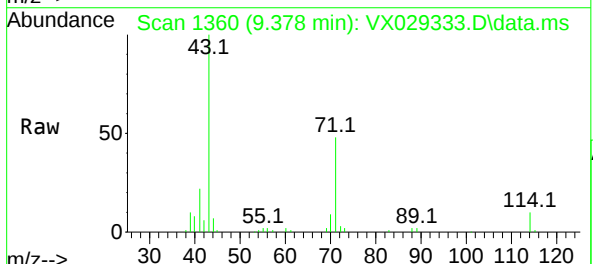
Acq: 08 Jun 2022 19:54

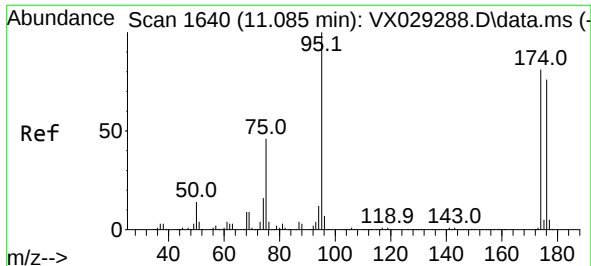
Tgt Ion: 43 Resp: 14516

Ion Ratio Lower Upper

43 100

58 0.0 31.9 95.7#

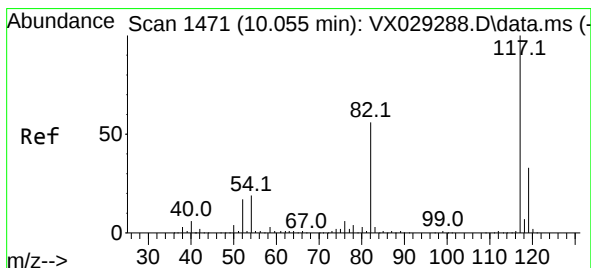
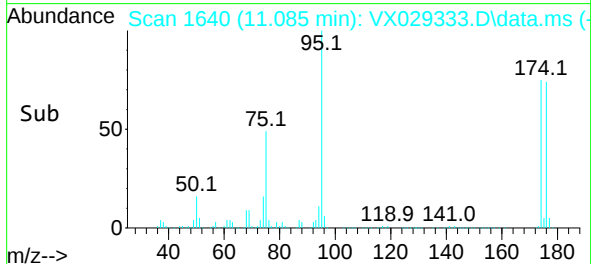
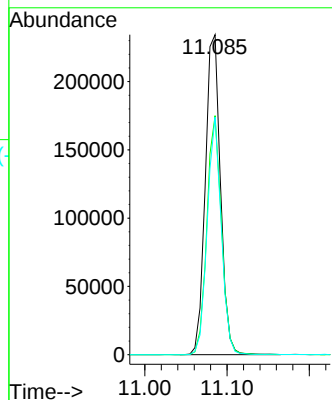
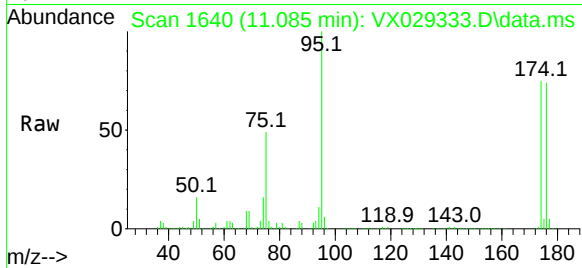




#62
4-Bromofluorobenzene
Concen: 50.806 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

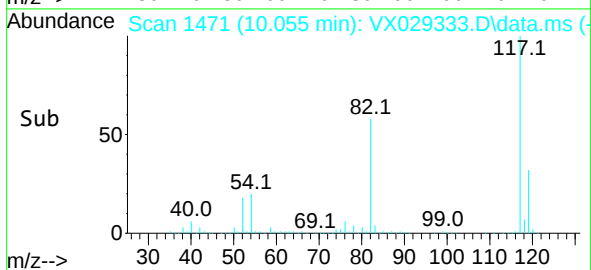
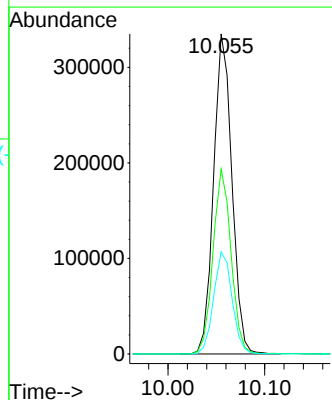
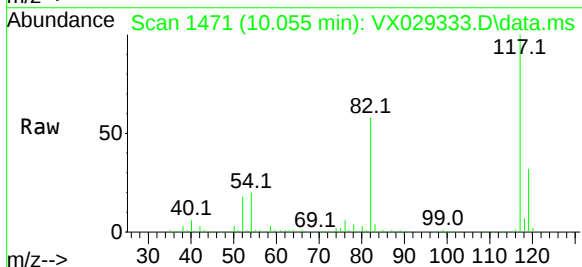
Instrument :
MSVOA_X
ClientSampleId :

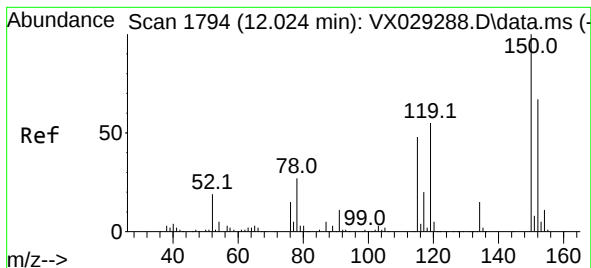
Tgt Ion: 95 Resp: 299808
Ion Ratio Lower Upper
95 100
174 71.7 0.0 163.0
176 68.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029333.D
Acq: 08 Jun 2022 19:54

Tgt Ion: 117 Resp: 440468
Ion Ratio Lower Upper
117 100
82 57.8 41.8 62.8
119 31.9 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029333.D

Acq: 08 Jun 2022 19:54

Instrument :

MSVOA_X

ClientSampleId :

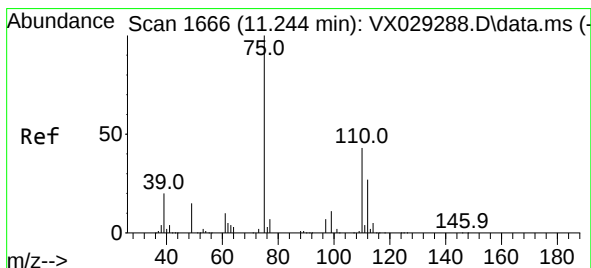
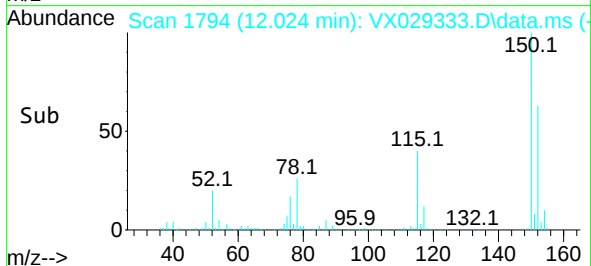
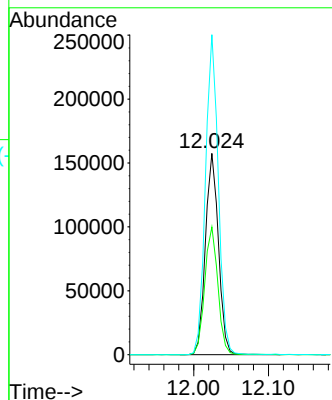
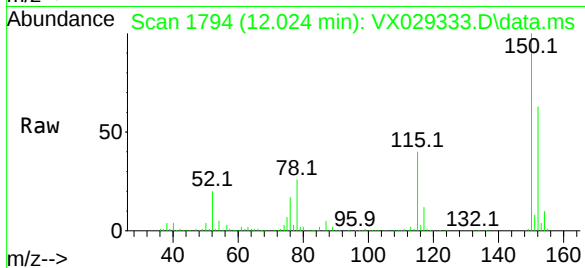
Tgt Ion:152 Resp: 190553

Ion Ratio Lower Upper

152 100

115 63.9 37.5 112.7

150 156.4 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 33.222 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX029333.D

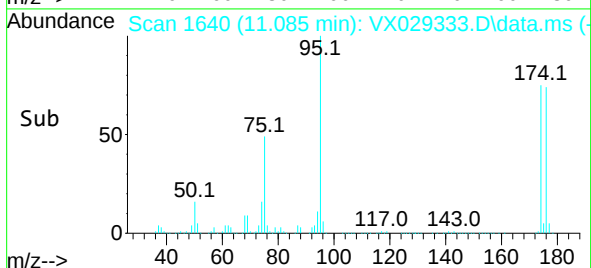
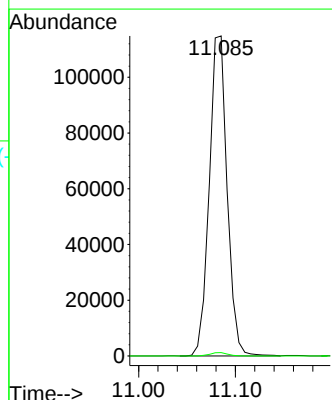
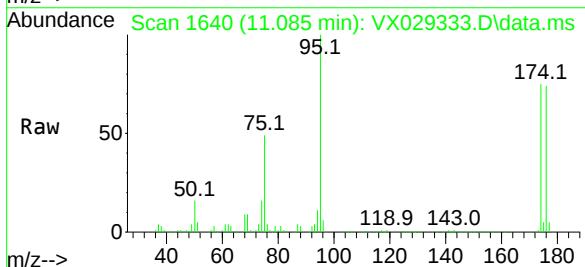
Acq: 08 Jun 2022 19:54

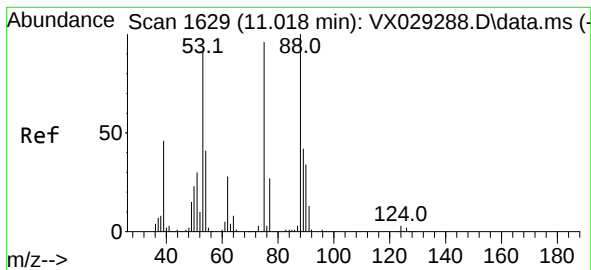
Tgt Ion: 75 Resp: 147865

Ion Ratio Lower Upper

75 100

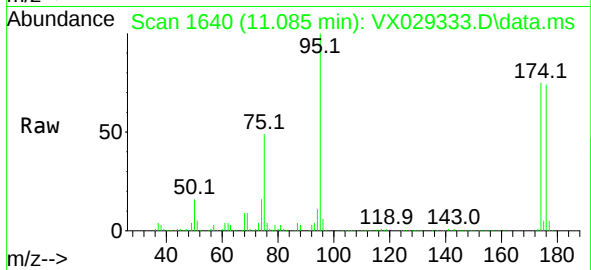
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.970 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029333.D
 Acq: 08 Jun 2022 19:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 147865
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

