

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031854.D
 Acq On : 03 Oct 2022 23:17
 Operator : JC/MD
 Sample : PB148021ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 08:03:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

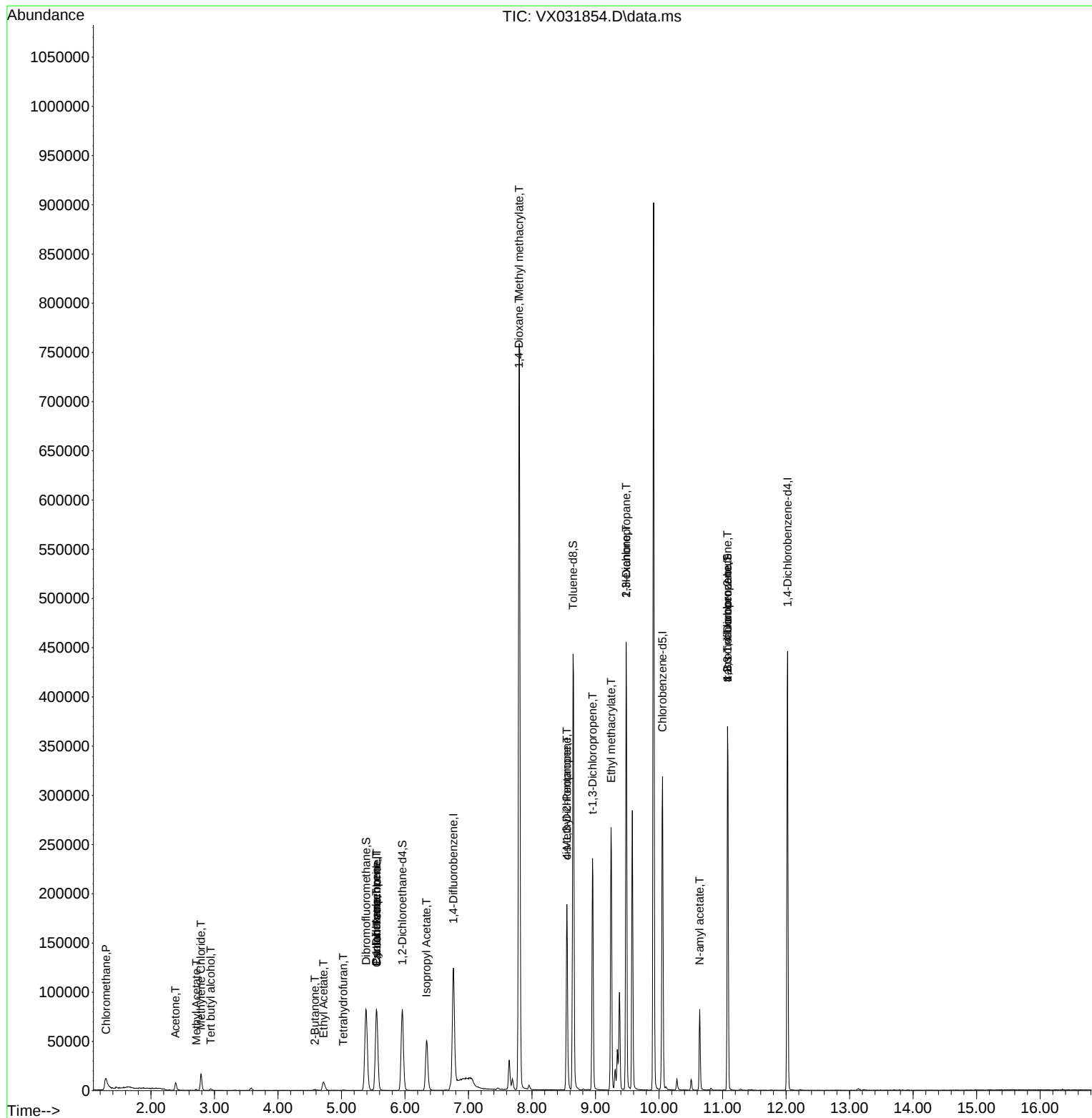
Internal Standards						
1) Pentafluorobenzene	5.550	168	81408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77388	53.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.120%			
35) Dibromofluoromethane	5.385	113	71146	46.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.180%			
50) Toluene-d8	8.647	98	272556	49.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.079	95	95967	48.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.560%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	491	0.445	ug/l #	41
5) Bromomethane	1.624	94	230	Below Cal		91
6) Chloroethane	1.715	64	93	Below Cal #		43
11) Tert butyl alcohol	2.940	59	891	4.388	ug/l #	73
16) Acetone	2.386	43	9695	12.159	ug/l	95
17) Carbon Disulfide	2.514	76	163	Below Cal #		75
18) Methyl Acetate	2.715	43	1117	0.819	ug/l #	90
20) Methylene Chloride	2.788	84	8208	6.433	ug/l #	84
25) 2-Butanone	4.580	43	1304	1.949	ug/l	94
29) Tetrahydrofuran	5.025	42	290	0.702	ug/l #	62
31) Cyclohexane	5.550	56	1473	0.848	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	5635	2.976	ug/l #	51
37) Ethyl Acetate	4.715	43	14668	10.233	ug/l	95
38) Carbon Tetrachloride	5.556	117	8452	3.596	ug/l #	15
43) Isopropyl Acetate	6.336	43	66475	28.684	ug/l #	91
48) Methyl methacrylate	7.799	41	61359	59.165	ug/l #	44
49) 1,4-Dioxane	7.793	88	212	6.307	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55855	38.395	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	523	0.257	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	33064	14.802	ug/l #	55
56) Ethyl methacrylate	9.244	69	730	0.413	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4599	1.937	ug/l #	43
59) 2-Hexanone	9.482	43	45379	42.908	ug/l #	54
74) N-amyl acetate	10.640	43	17217	10.759	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	45467	25.836	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45467	88.692	ug/l #	11

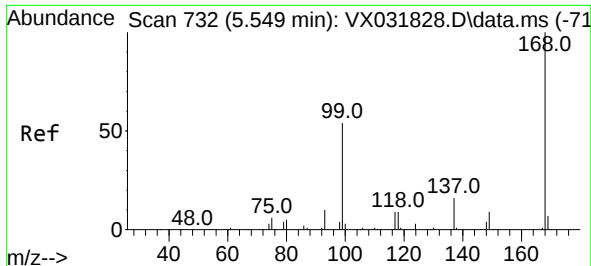
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
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Instrument :
MSVOA_X
ClientSampleId :

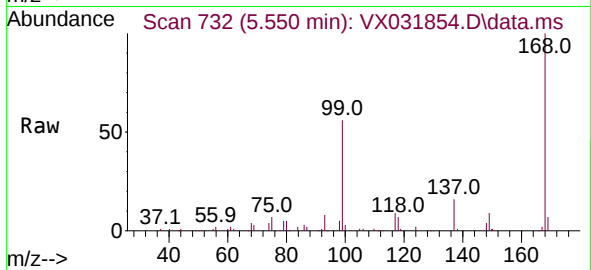
Quant Time: Oct 04 08:03:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration



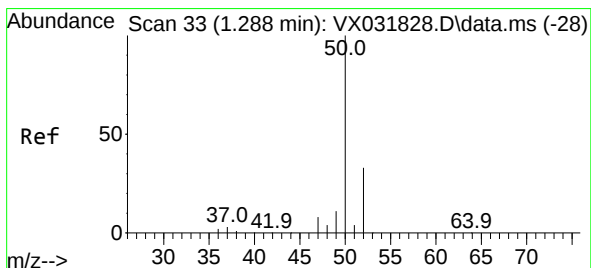
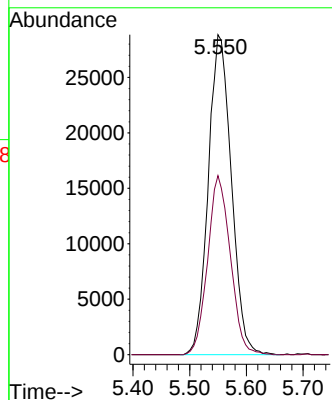
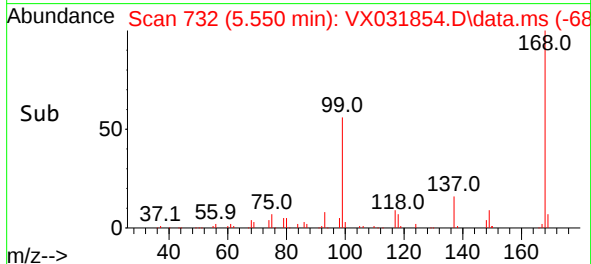


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Instrument :
MSVOA_X
ClientSampleId :

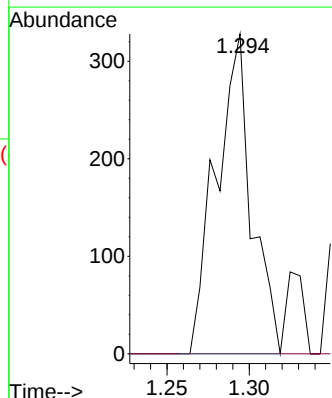
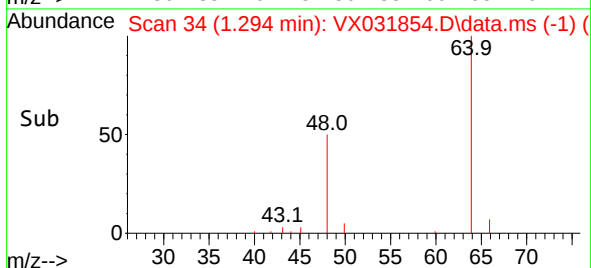
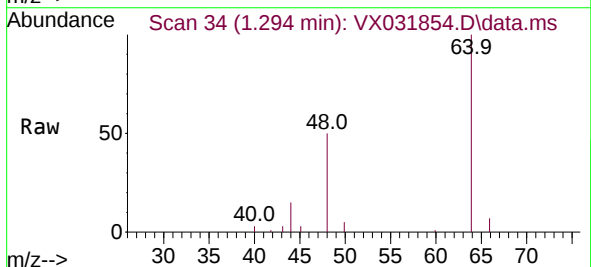


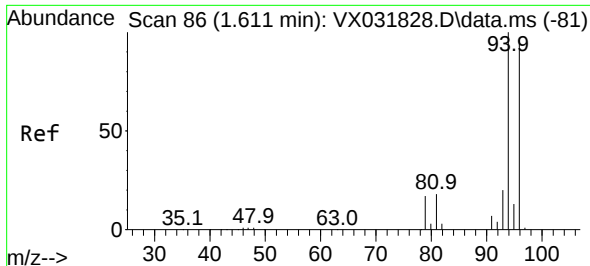
Tgt Ion:168 Resp: 81408
Ion Ratio Lower Upper
168 100
99 55.9 48.8 73.2



#3
Chloromethane
Concen: 0.445 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

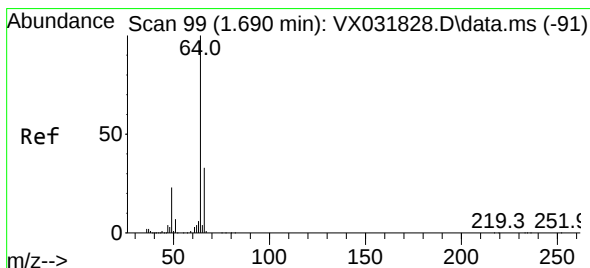
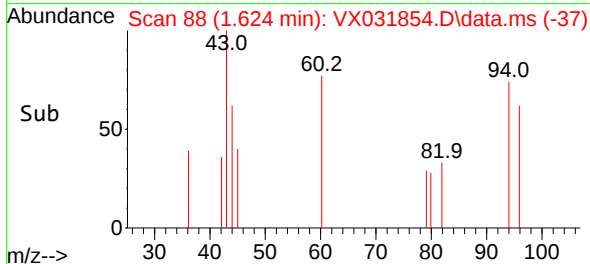
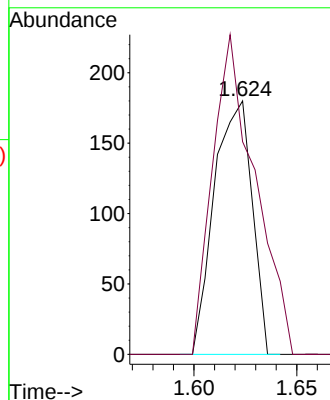
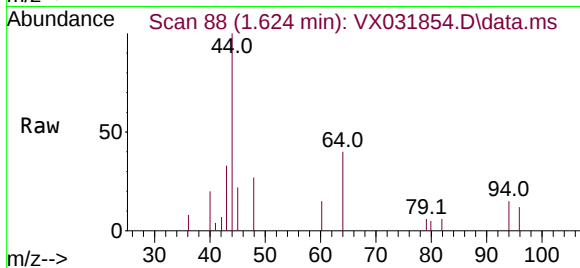




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

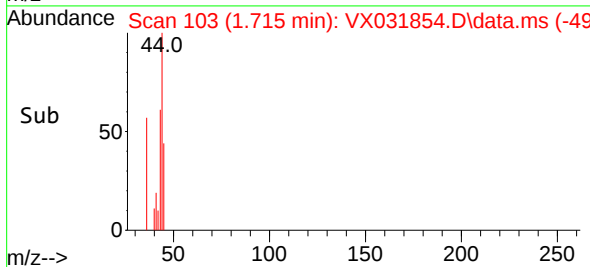
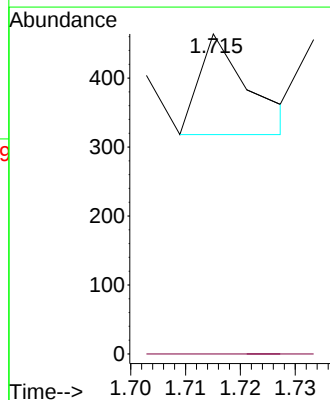
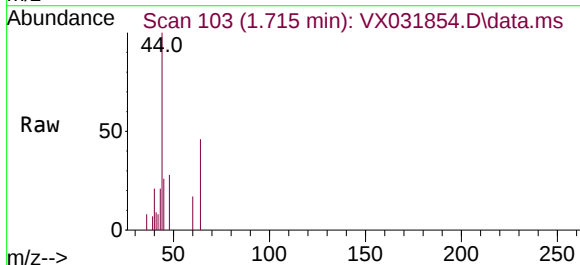
Instrument :
MSVOA_X
ClientSampleId :

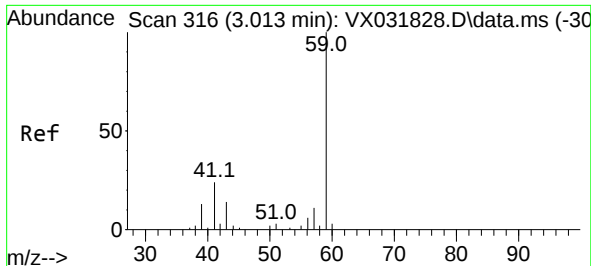
Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 83.9 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.715 min Scan# 103
Delta R.T. 0.030 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 64 Resp: 93
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

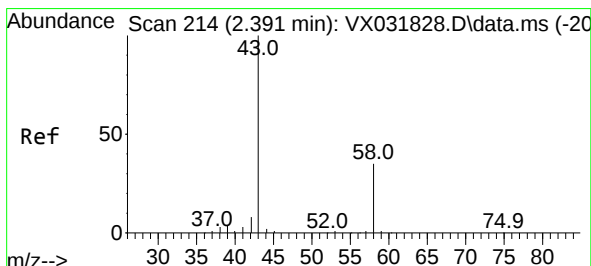
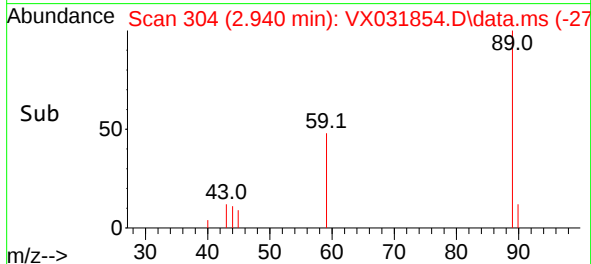
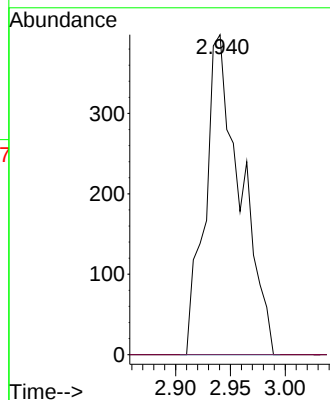
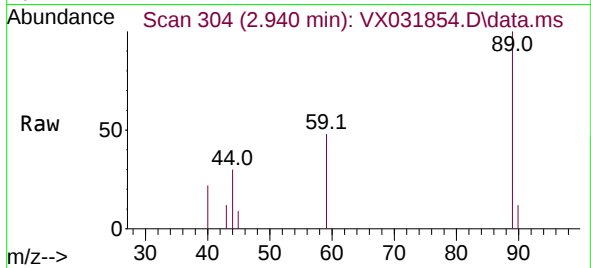




#11
Tert butyl alcohol
Concen: 4.388 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.141 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

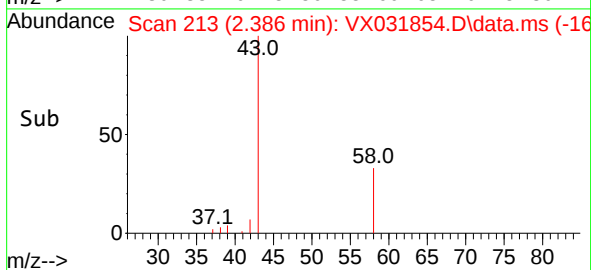
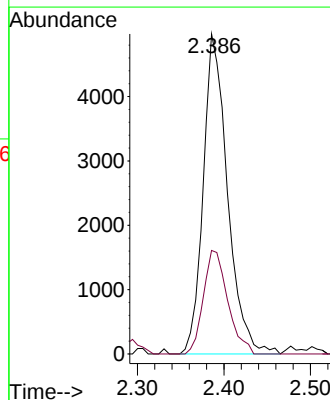
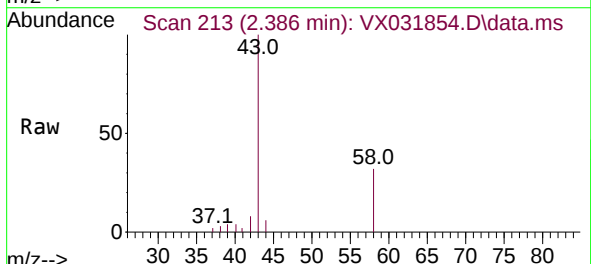
Instrument :
MSVOA_X
ClientSampleId :

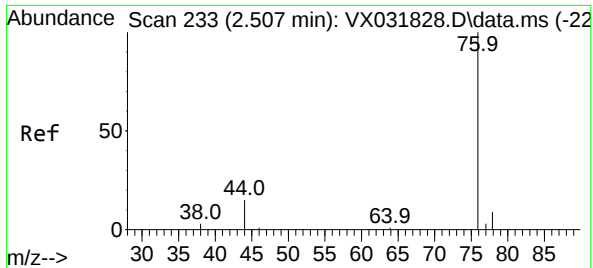
Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 12.159 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

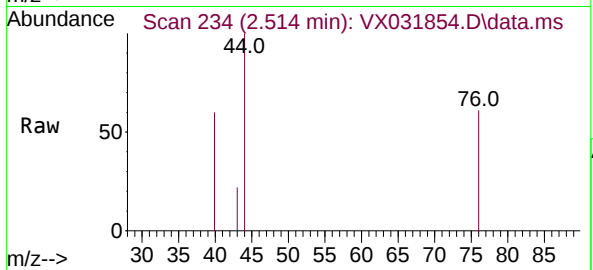
Tgt Ion: 43 Resp: 9695
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.8



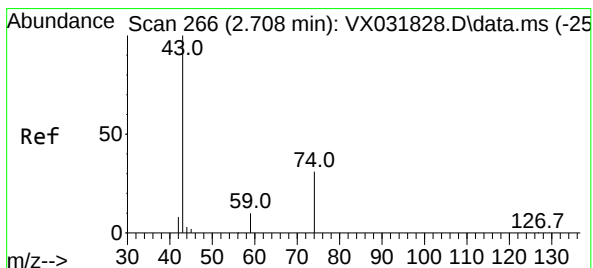
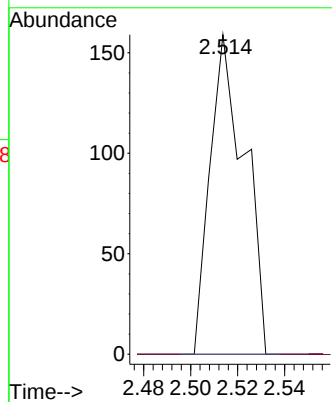
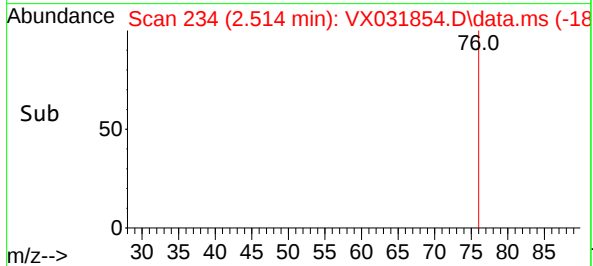


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

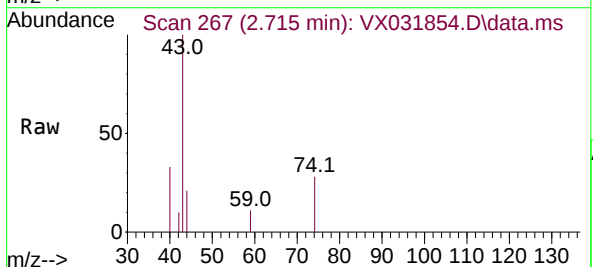
Instrument :
MSVOA_X
ClientSampleId :



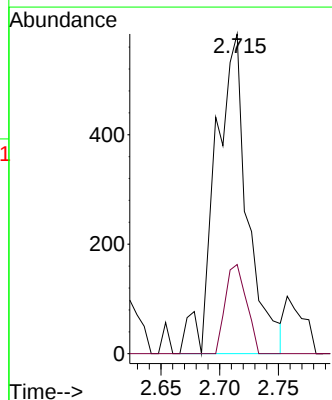
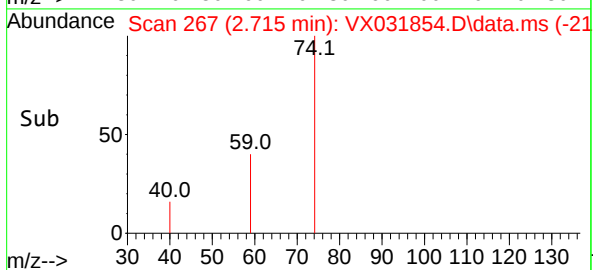
Tgt Ion: 76 Resp: 163
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

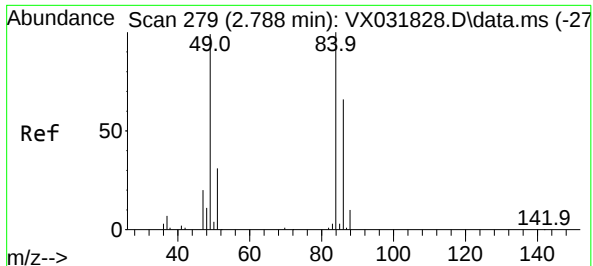


#18
Methyl Acetate
Concen: 0.819 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17



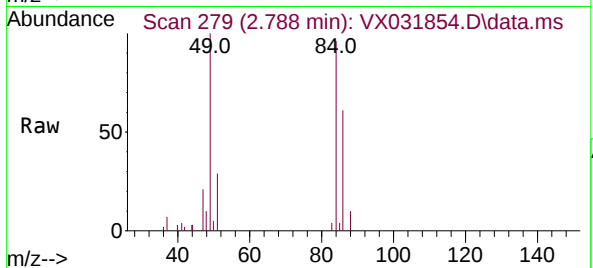
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
74 18.3 18.6 27.8#



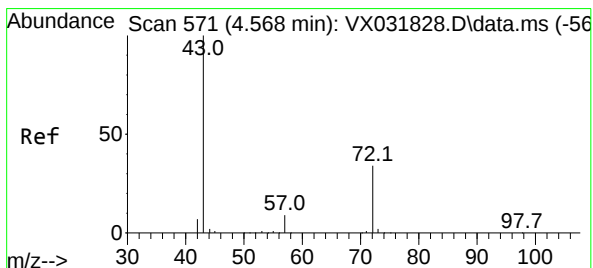
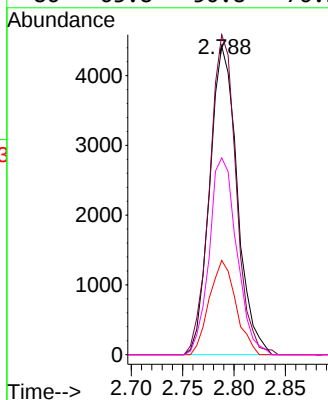
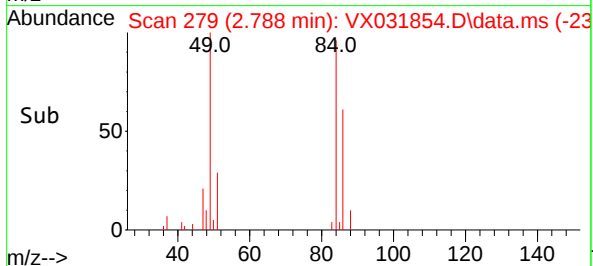


#20
Methylene Chloride
Concen: 6.433 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

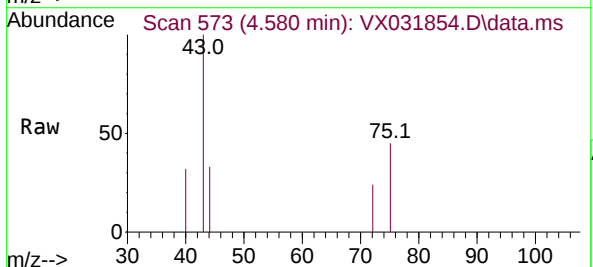
Instrument :
MSVOA_X
ClientSampleId :



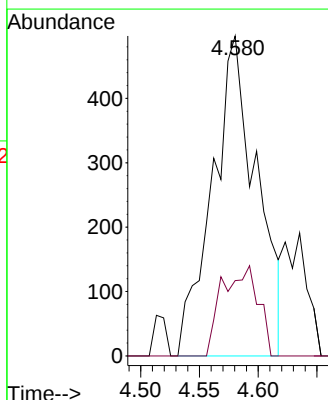
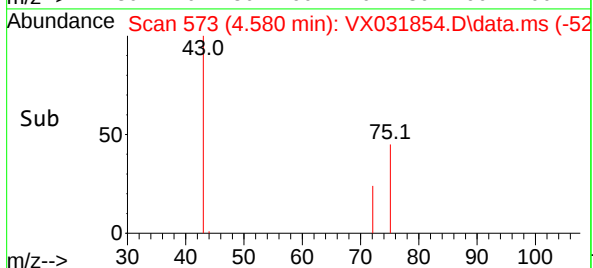
Tgt Ion: 84 Resp: 8208
Ion Ratio Lower Upper
84 100
49 103.7 105.9 158.9#
51 30.5 32.2 48.2#
86 63.8 50.8 76.2

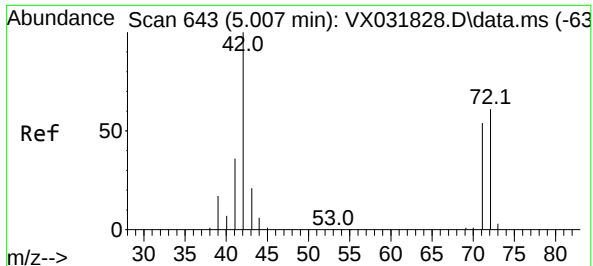


#25
2-Butanone
Concen: 1.949 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17



Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
72 23.5 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.702 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

Instrument :

MSVOA_X

ClientSampleId :

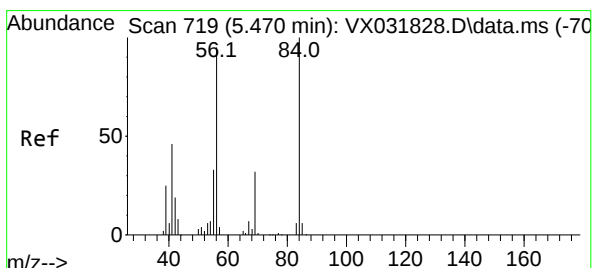
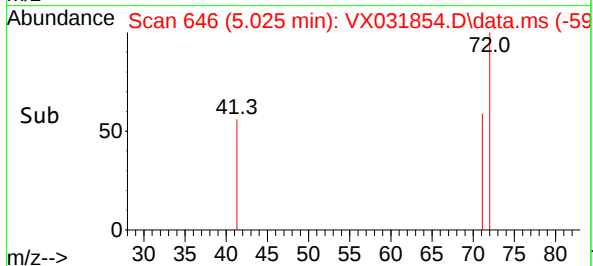
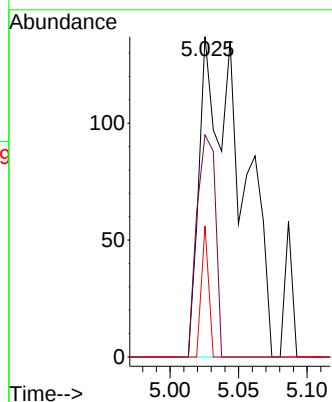
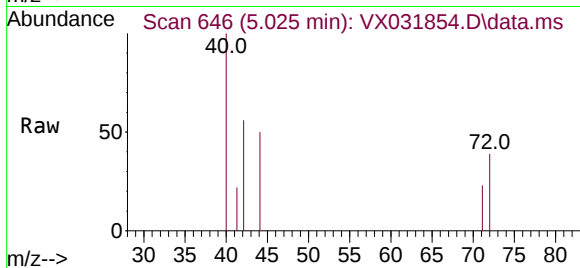
Tgt Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 31.0 36.4 54.6#

71 6.9 33.5 50.3#



#31

Cyclohexane

Concen: 0.848 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

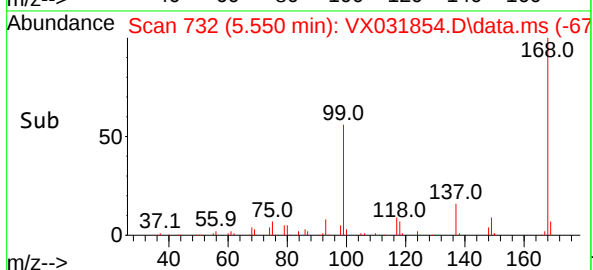
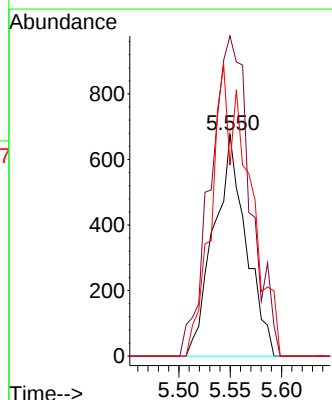
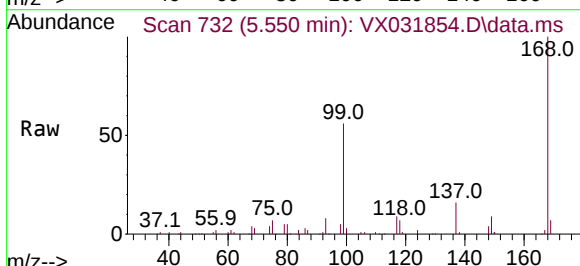
Tgt Ion: 56 Resp: 1473

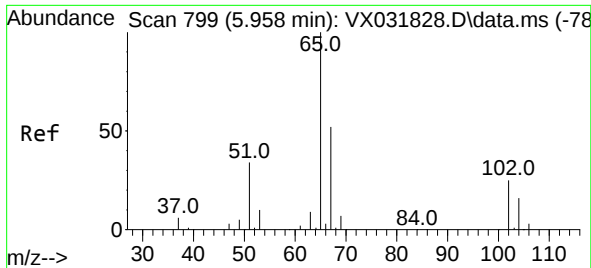
Ion Ratio Lower Upper

56 100

69 144.5 25.1 37.7#

84 86.2 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 53.061 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

Instrument :

MSVOA_X

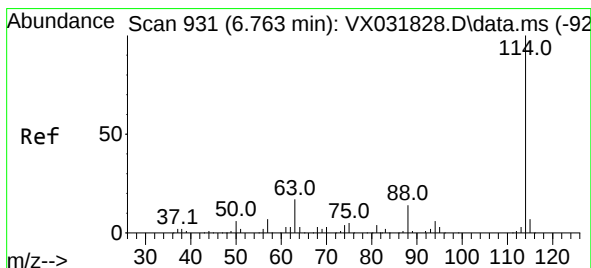
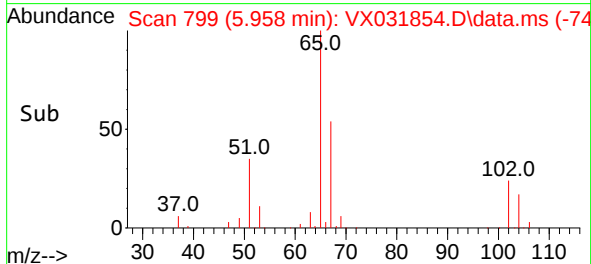
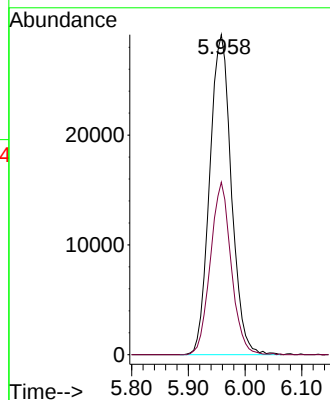
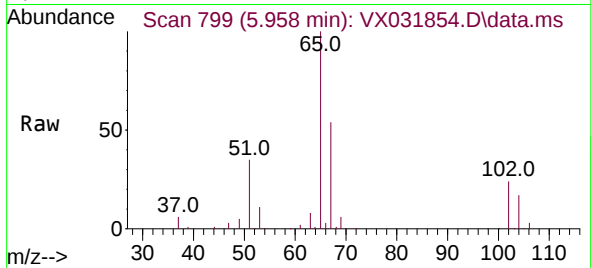
ClientSampleId :

Tgt Ion: 65 Resp: 77388

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

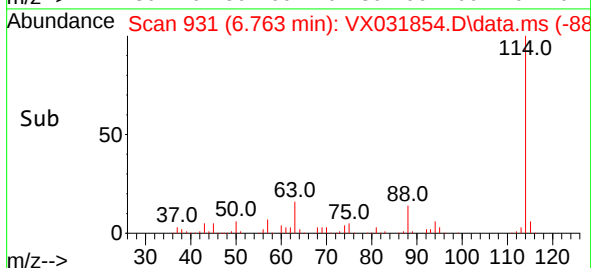
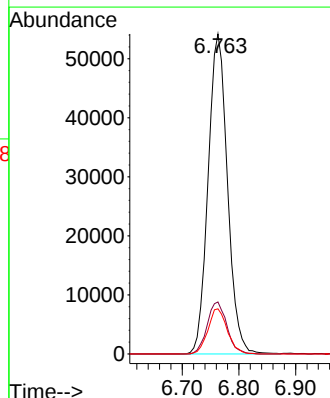
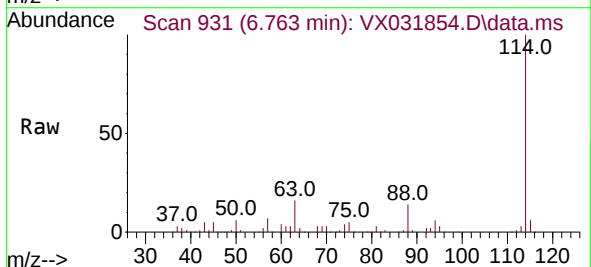
Tgt Ion: 114 Resp: 128533

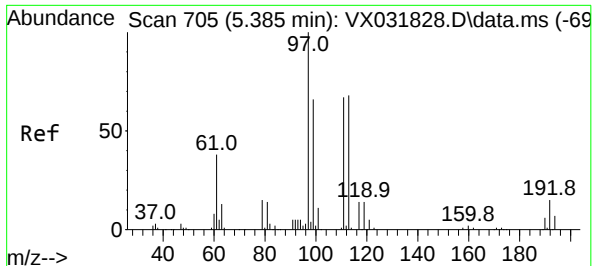
Ion Ratio Lower Upper

114 100

63 16.3 0.0 42.6

88 14.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.589 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

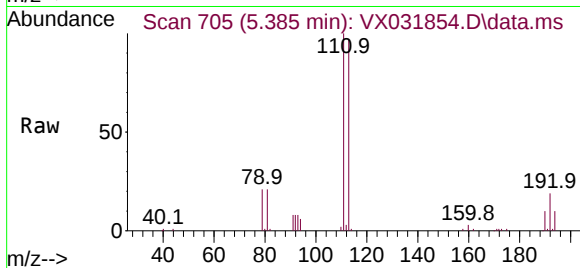
Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

Instrument :

MSVOA_X

ClientSampleId :



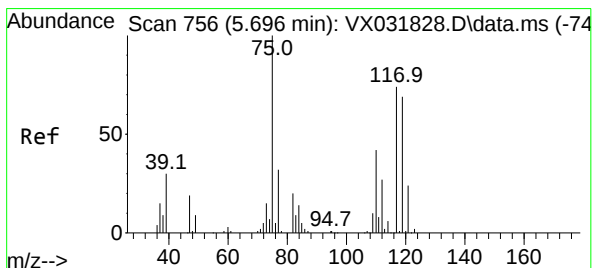
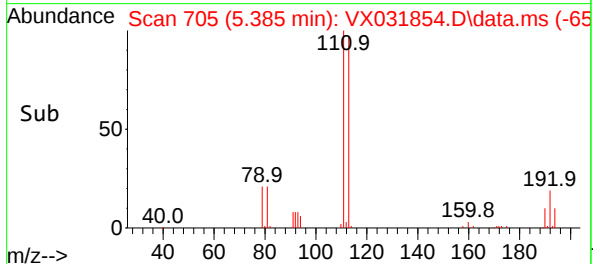
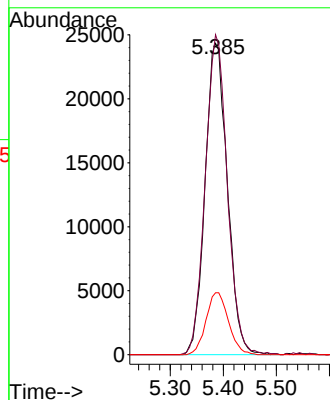
Tgt Ion:113 Resp: 71146

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

192 20.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 2.976 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

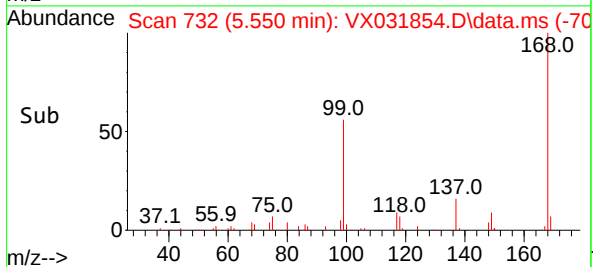
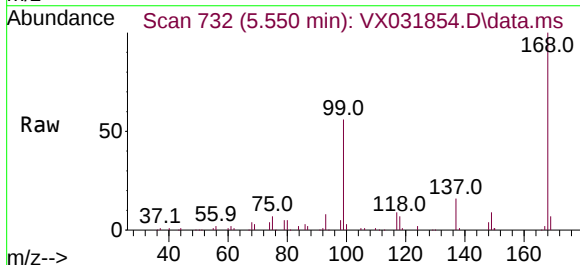
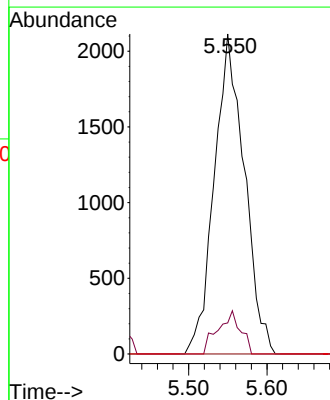
Tgt Ion: 75 Resp: 5635

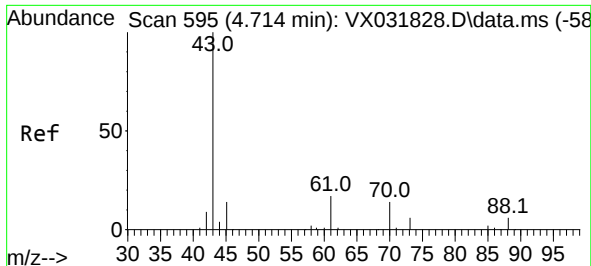
Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.5#

77 0.0 24.9 37.3#

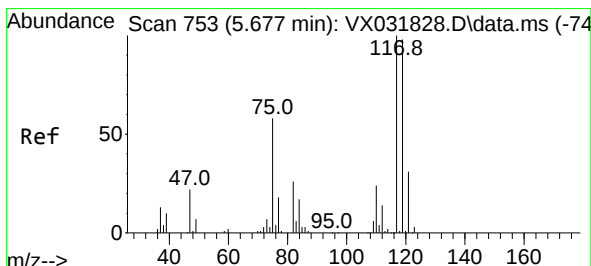
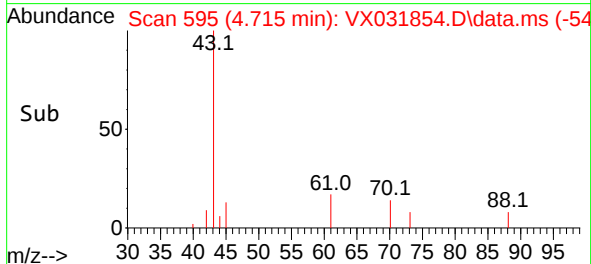
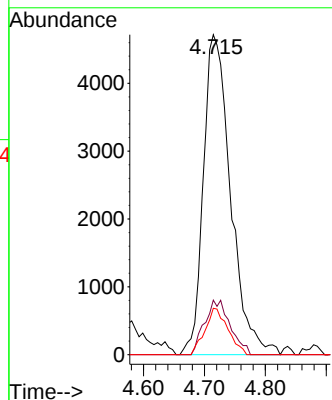
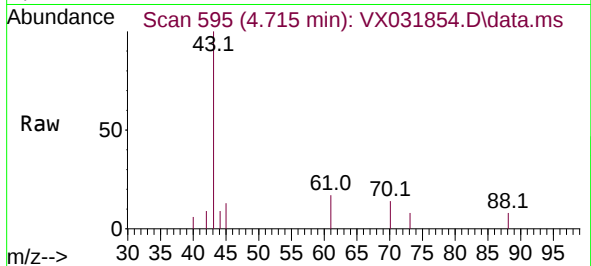




#37
Ethyl Acetate
Concen: 10.233 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

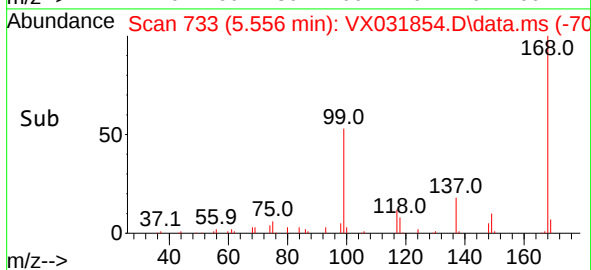
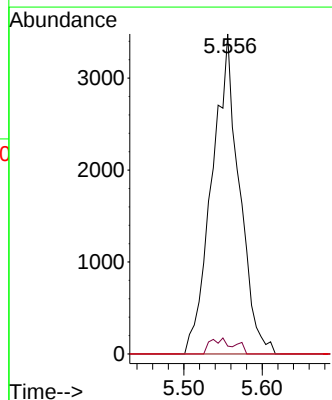
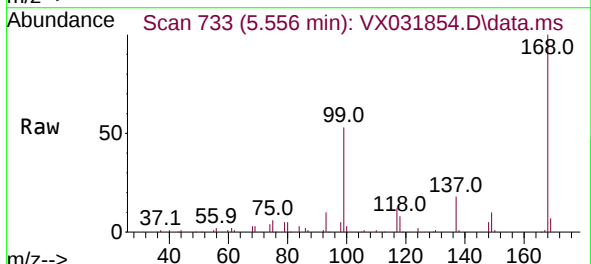
Instrument :
MSVOA_X
ClientSampleId :

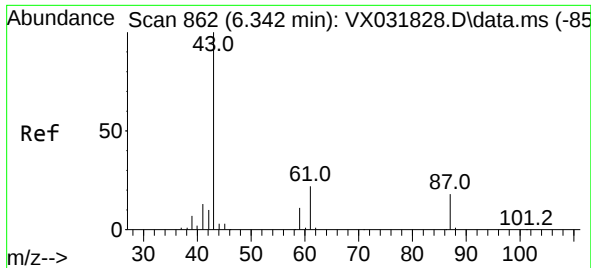
Tgt Ion:	43	Resp:	14668
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.1	16.7
70	12.1	8.6	13.0



#38
Carbon Tetrachloride
Concen: 3.596 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion:	117	Resp:	8452
Ion	Ratio	Lower	Upper
117	100		
119	2.5	74.6	112.0#
121	0.0	25.3	37.9#

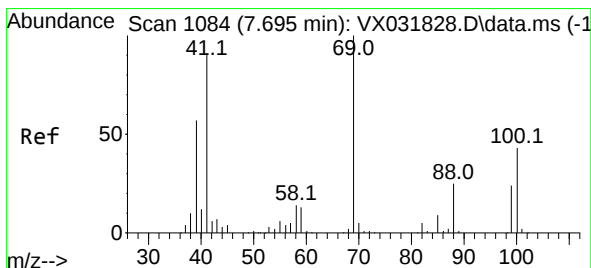
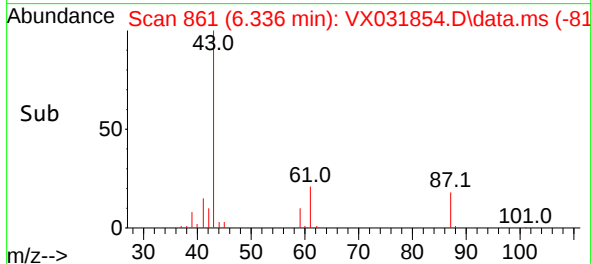
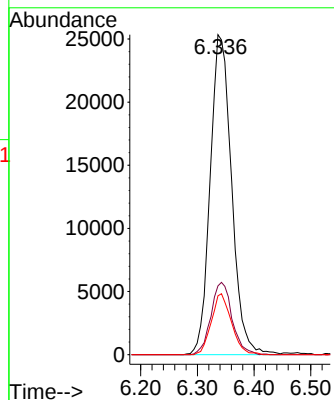
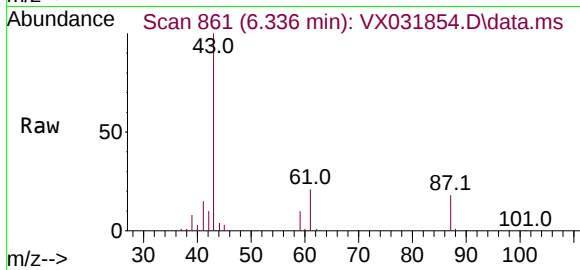




#43
Isopropyl Acetate
Concen: 28.684 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

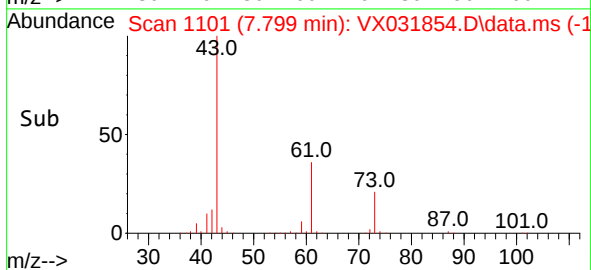
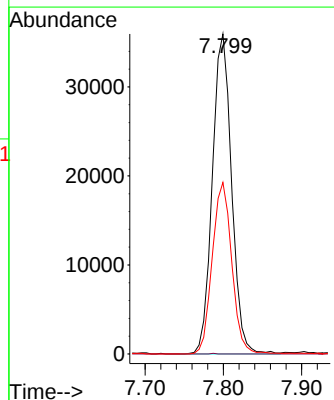
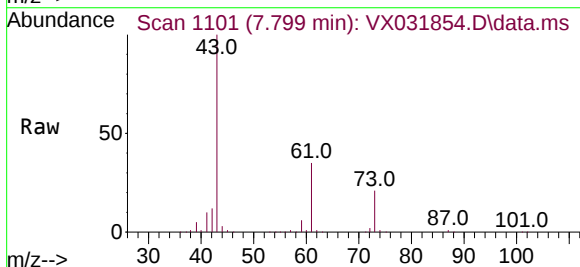
Instrument :
MSVOA_X
ClientSampleId :

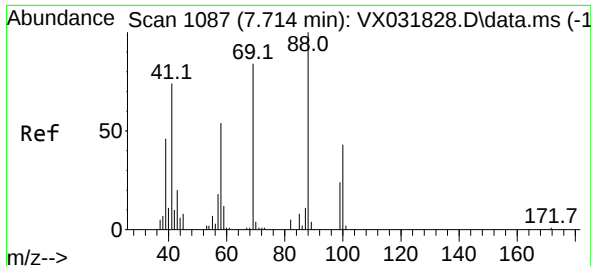
Tgt Ion: 43 Resp: 66475
Ion Ratio Lower Upper
43 100
61 22.3 15.3 22.9
87 17.9 10.6 15.8#



#48
Methyl methacrylate
Concen: 59.165 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 41 Resp: 61359
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 54.4 51.4 77.0





#49

1,4-Dioxane

Concen: 6.307 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.079 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

Instrument :

MSVOA_X

ClientSampleId :

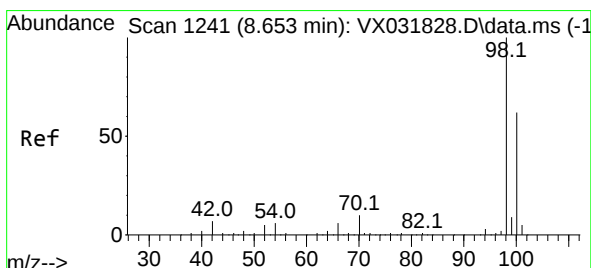
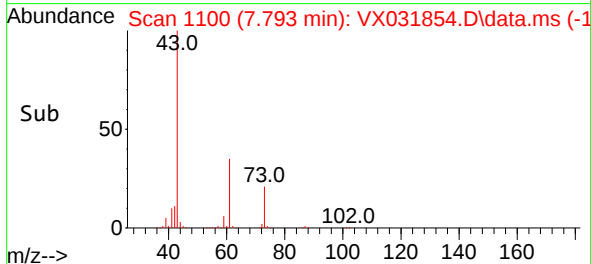
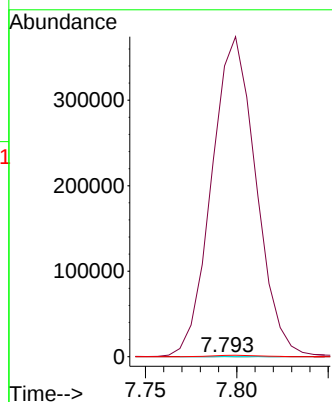
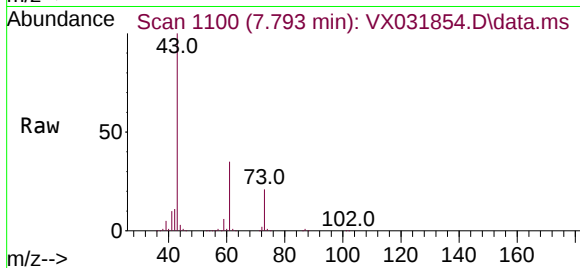
Tgt Ion: 88 Resp: 212

Ion Ratio Lower Upper

88 100

43 300131.1 27.1 40.7#

58 1468.4 53.9 80.9#



#50

Toluene-d8

Concen: 49.891 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031854.D

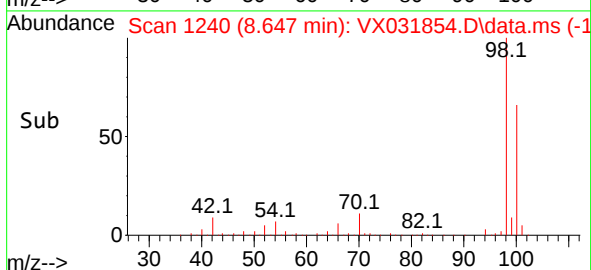
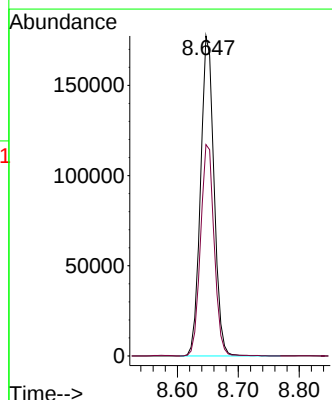
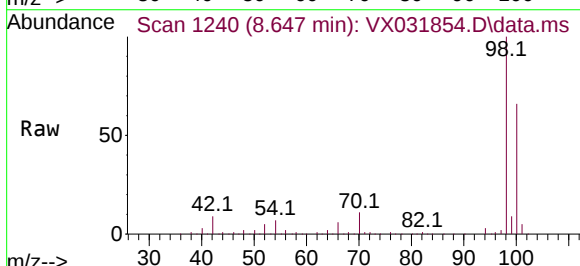
Acq: 03 Oct 2022 23:17

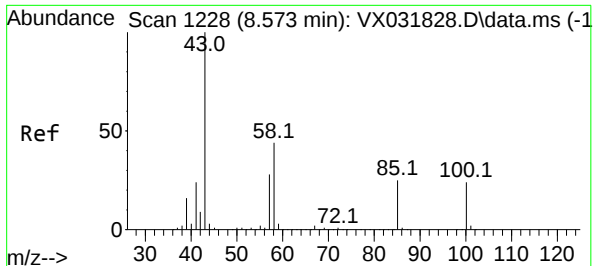
Tgt Ion: 98 Resp: 272556

Ion Ratio Lower Upper

98 100

100 67.0 52.5 78.7

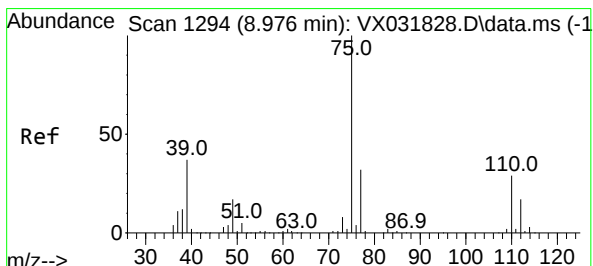
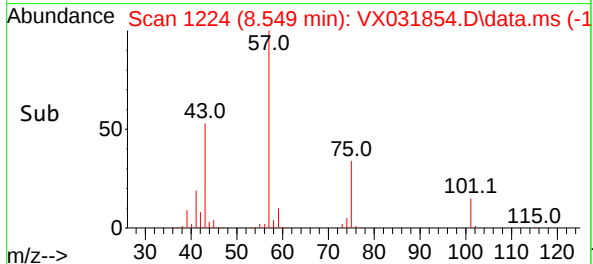
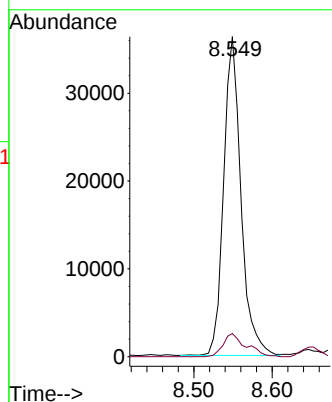
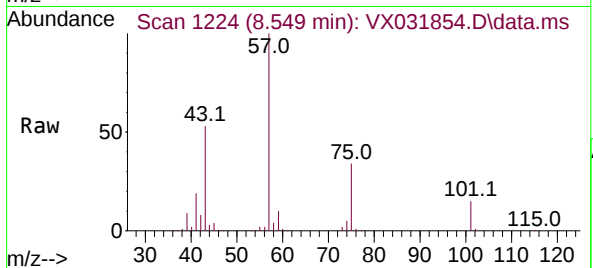




#51
4-Methyl-2-Pentanone
Concen: 38.395 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

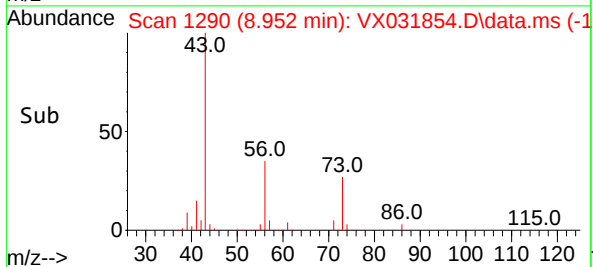
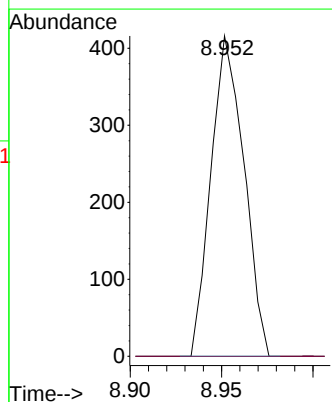
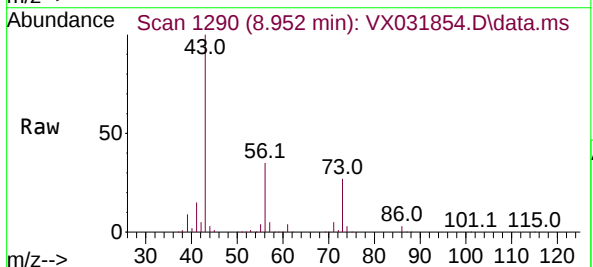
Instrument :
MSVOA_X
ClientSampleId :

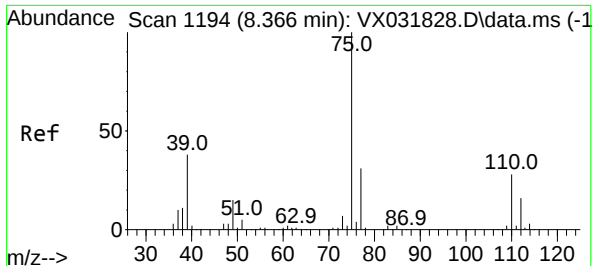
Tgt Ion: 43 Resp: 55855
Ion Ratio Lower Upper
43 100
58 9.6 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.257 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 75 Resp: 523
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

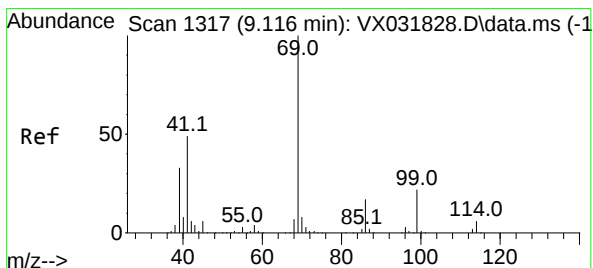
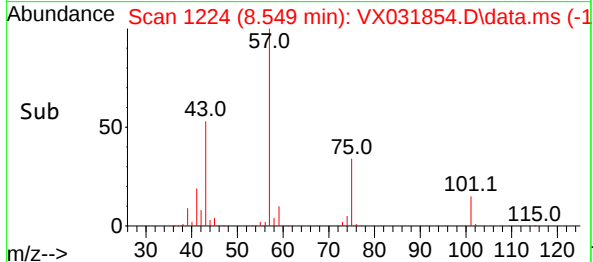
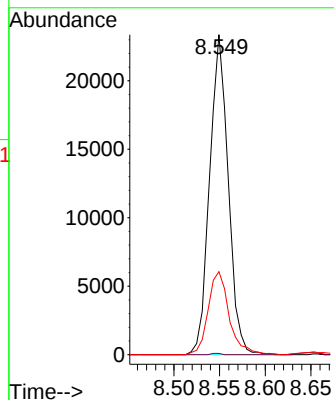
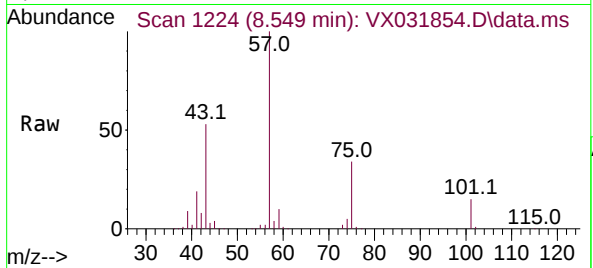




#54
 cis-1,3-Dichloropropene
 Concen: 14.802 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031854.D
 Acq: 03 Oct 2022 23:17

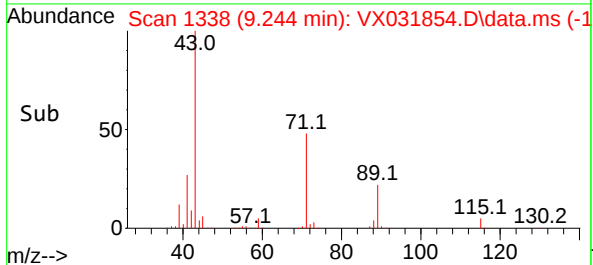
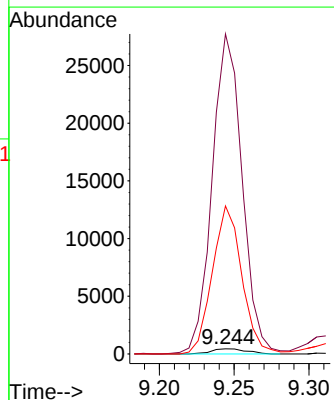
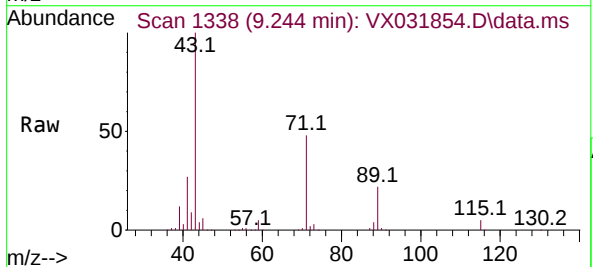
Instrument :
 MSVOA_X
 ClientSampleId :

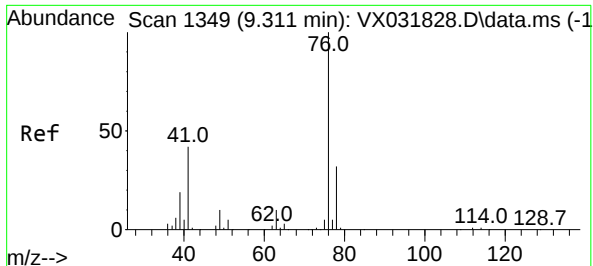
Tgt Ion: 75 Resp: 33064
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.4 36.6#
 39 25.9 43.7 65.5#



#56
 Ethyl methacrylate
 Concen: 0.413 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX031854.D
 Acq: 03 Oct 2022 23:17

Tgt Ion: 69 Resp: 730
 Ion Ratio Lower Upper
 69 100
 41 5314.9 54.2 81.4#
 39 2405.9 34.2 51.2#





#57

1,3-Dichloropropane

Concen: 1.937 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031854.D

Acq: 03 Oct 2022 23:17

Instrument :

MSVOA_X

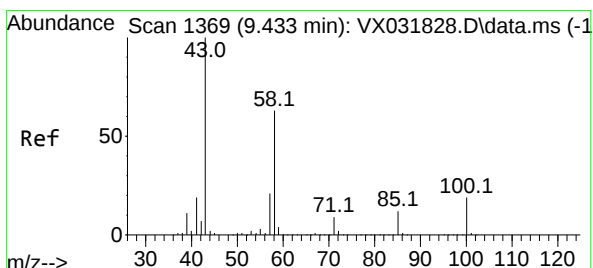
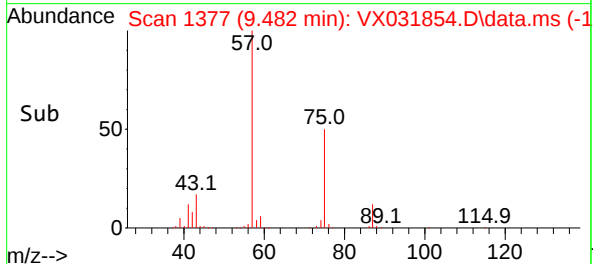
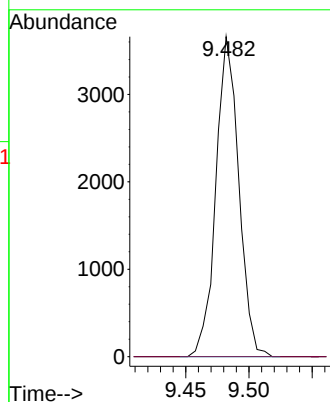
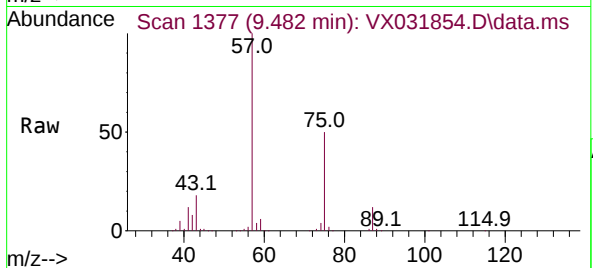
ClientSampleId :

Tgt Ion: 76 Resp: 4599

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 42.908 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031854.D

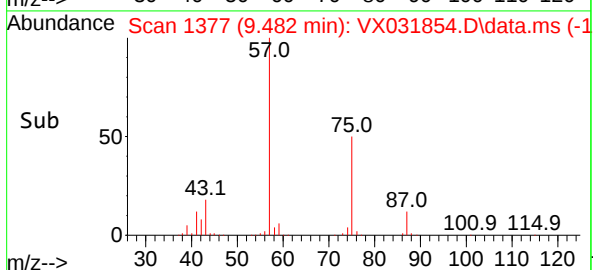
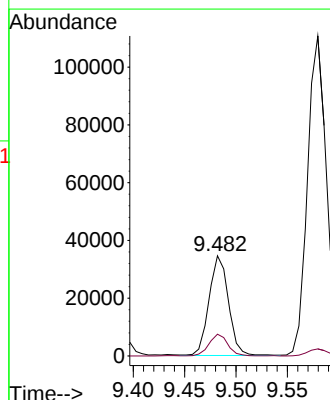
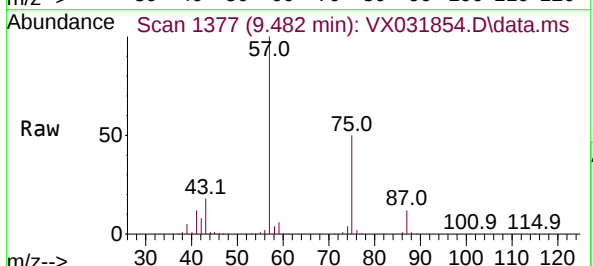
Acq: 03 Oct 2022 23:17

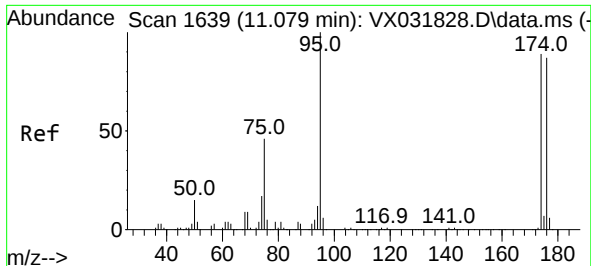
Tgt Ion: 43 Resp: 45379

Ion Ratio Lower Upper

43 100

58 20.9 26.7 80.0#

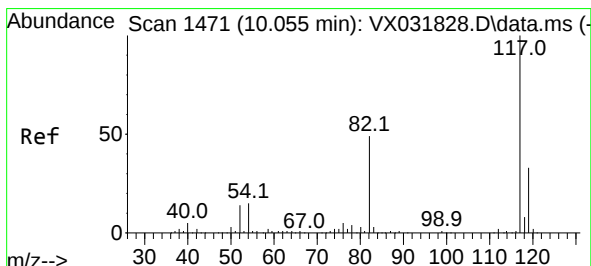
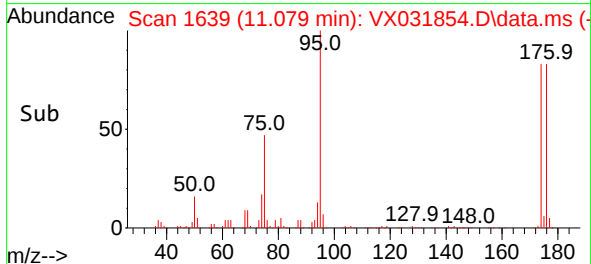
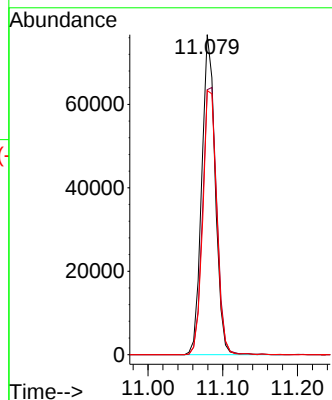
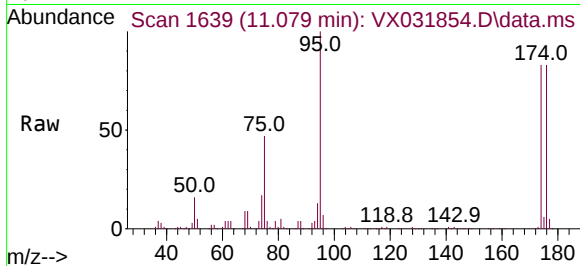




#62
4-Bromofluorobenzene
Concen: 48.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

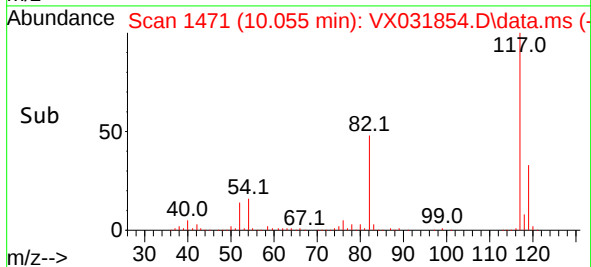
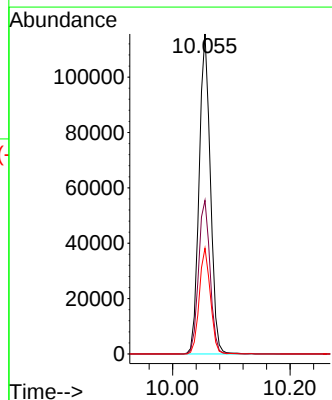
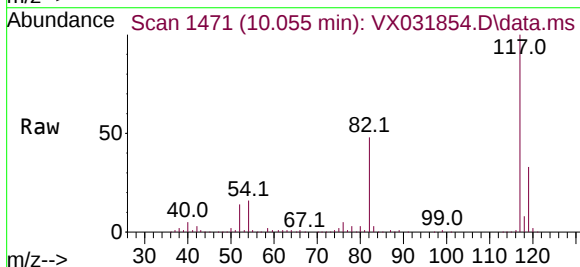
Instrument :
MSVOA_X
ClientSampleId :

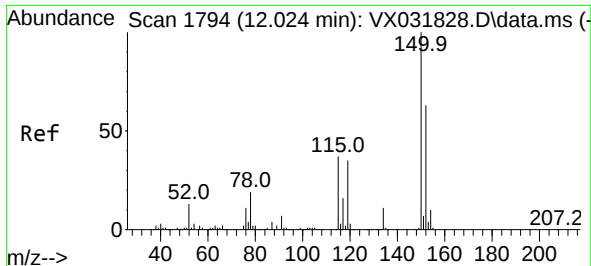
Tgt Ion: 95 Resp: 95967
Ion Ratio Lower Upper
95 100
174 88.8 0.0 153.2
176 85.7 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 117 Resp: 153806
Ion Ratio Lower Upper
117 100
82 48.0 46.8 70.2
119 33.1 26.4 39.6

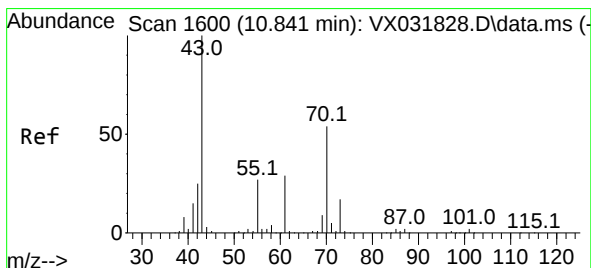
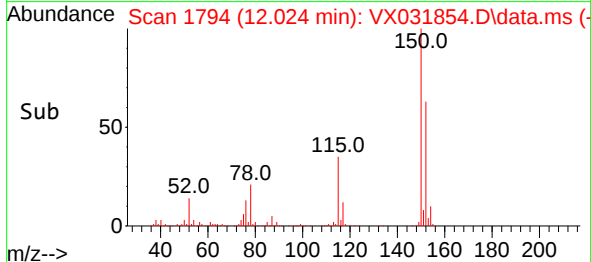
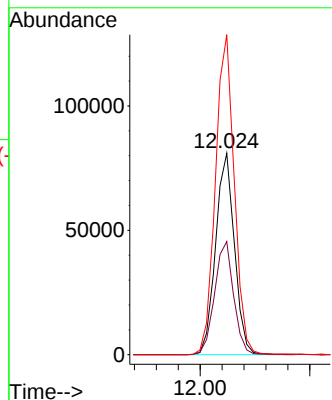
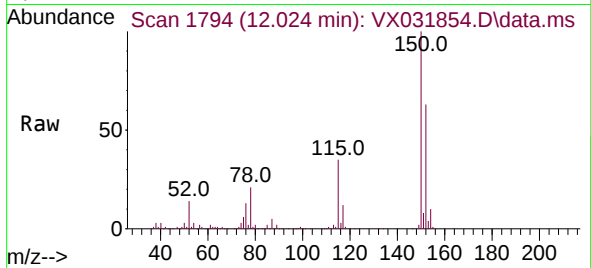




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

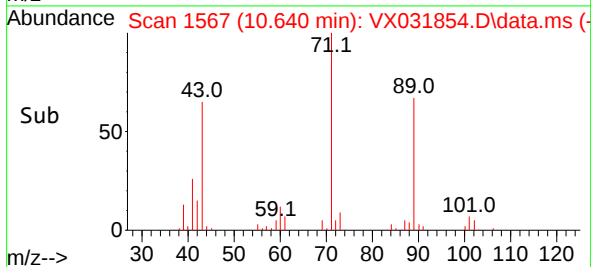
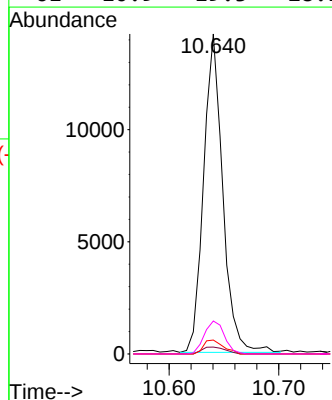
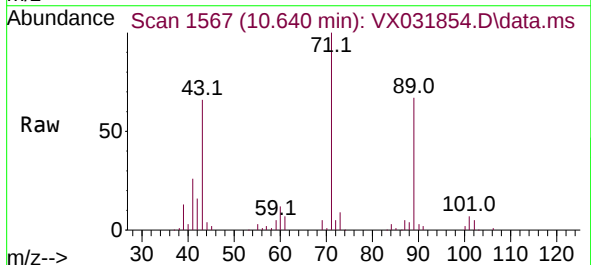
Instrument :
MSVOA_X
ClientSampleId :

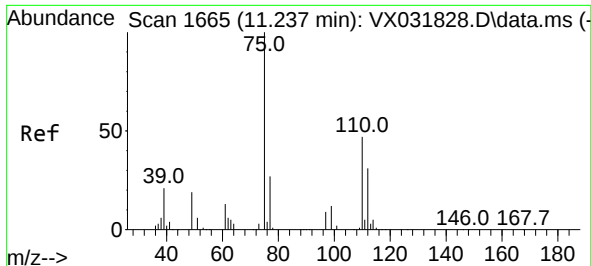
Tgt Ion:152 Resp: 96725
Ion Ratio Lower Upper
152 100
115 56.7 43.4 130.1
150 159.2 0.0 346.8



#74
N-ethyl acetate
Concen: 10.759 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 43 Resp: 17217
Ion Ratio Lower Upper
43 100
70 2.6 33.4 50.2#
55 4.5 18.2 27.2#
61 10.9 19.3 28.9#

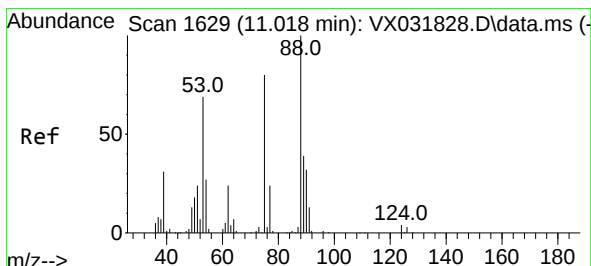
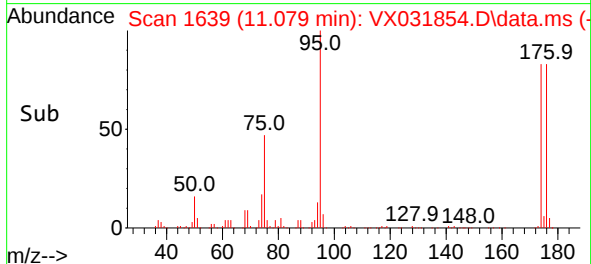
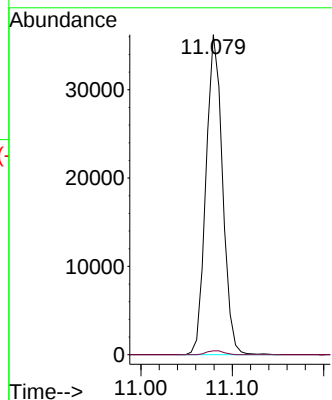
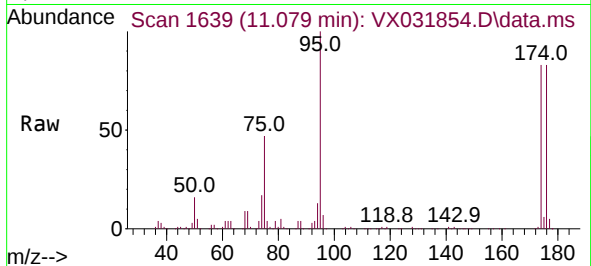




#76
1,2,3-Trichloropropane
Concen: 25.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 45467
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.692 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031854.D
Acq: 03 Oct 2022 23:17

Tgt Ion: 75 Resp: 45467
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.2 37.4 56.0#

