

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025825.D
 Acq On : 15 Dec 2021 19:23
 Operator : JC/MD
 Sample : PB141382ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#05

Quant Time: Dec 16 07:31:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

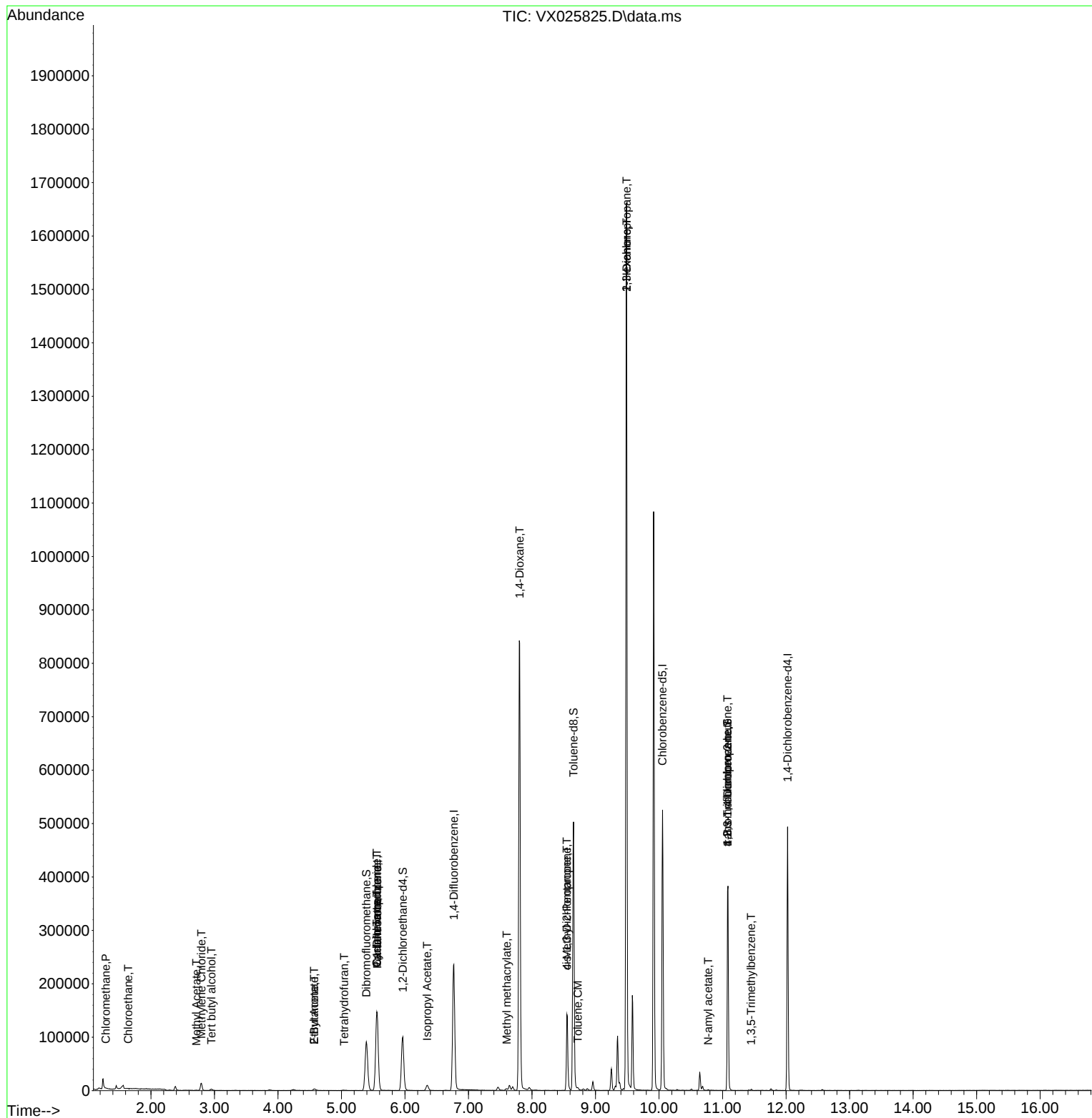
Internal Standards						
1) Pentafluorobenzene	5.562	168	138286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94743	47.617	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.240%		
35) Dibromofluoromethane	5.391	113	78257	46.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	8.653	98	295154	47.668	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.340%		
62) 4-Bromofluorobenzene	11.079	95	102868	43.735	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.480%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	406	0.252	ug/l #	43
6) Chloroethane	1.642	64	323	0.260	ug/l	91
11) Tert butyl alcohol	2.953	59	1835	4.598	ug/l #	73
16) Acetone	2.386	43	8138	Below Cal		92
18) Methyl Acetate	2.715	43	1013	0.334	ug/l #	80
20) Methylene Chloride	2.794	84	6163	1.263	ug/l	98
25) 2-Butanone	4.568	43	4638	3.466	ug/l #	87
29) Tetrahydrofuran	5.044	42	724	0.851	ug/l #	43
31) Cyclohexane	5.556	56	3328	1.375	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	10969	4.760	ug/l #	49
37) Ethyl Acetate	4.568	43	4638	1.811	ug/l #	69
38) Carbon Tetrachloride	5.556	117	14491	5.404	ug/l #	17
43) Isopropyl Acetate	6.348	43	13387	3.245	ug/l	98
48) Methyl methacrylate	7.604	41	4642	2.390	ug/l #	12
49) 1,4-Dioxane	7.806	88	47	1.108	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49288	18.252	ug/l #	50
52) Toluene	8.720	92	992	0.226	ug/l	96
54) cis-1,3-Dichloropropene	8.549	75	22551	8.133	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	13895	4.510	ug/l #	42
59) 2-Hexanone	9.488	43	192770	94.215	ug/l #	52
74) N-amyl acetate	10.775	43	971	0.344	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	52620	23.772	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1225	0.211	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	52620	73.700	ug/l #	10

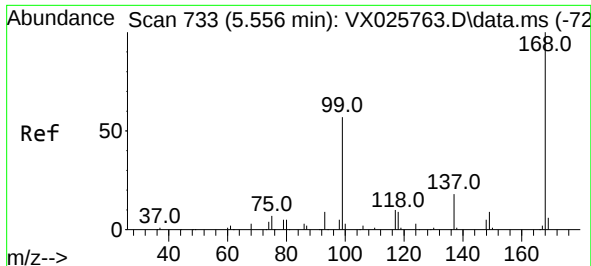
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Dec 16 07:31:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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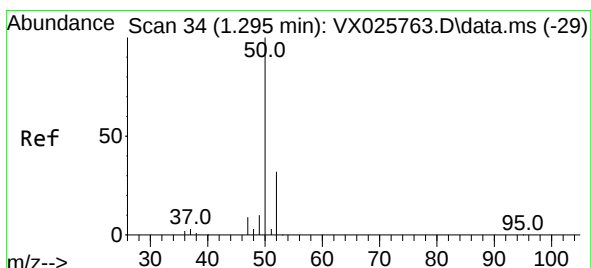
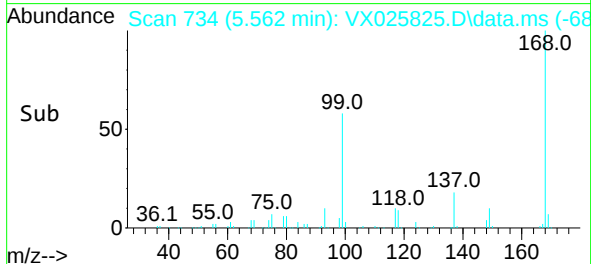
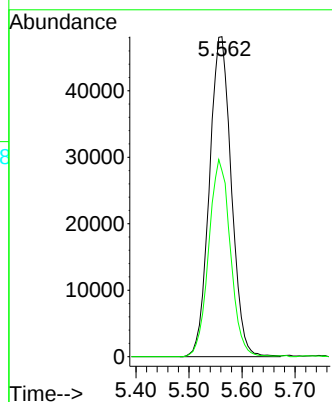
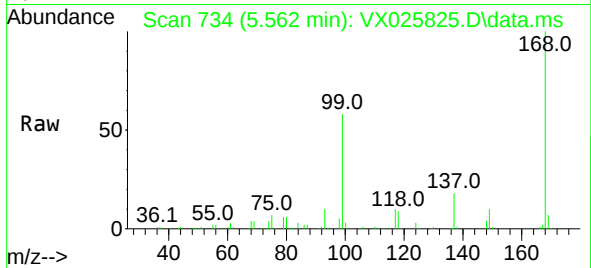




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

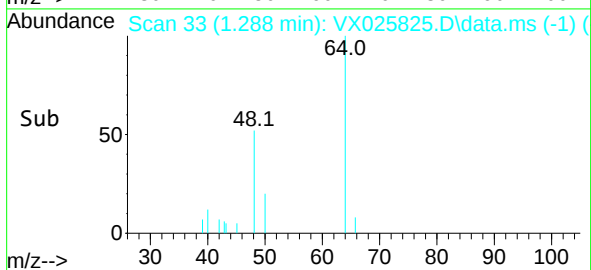
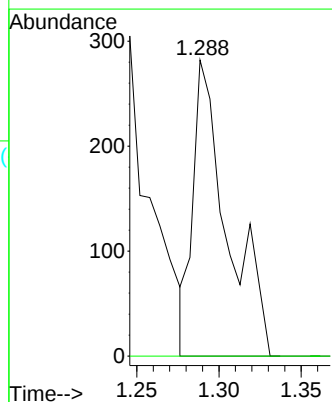
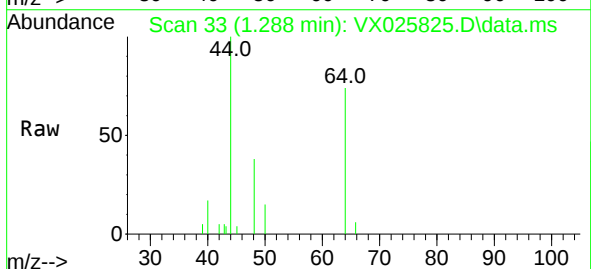
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

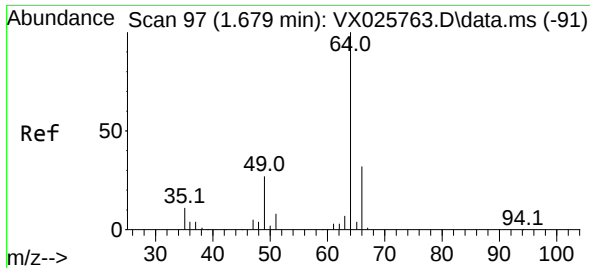
Tgt Ion:168 Resp: 138286
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.8



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

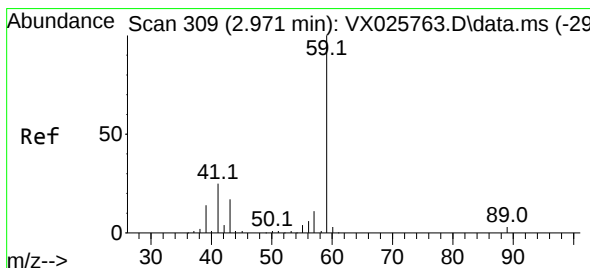
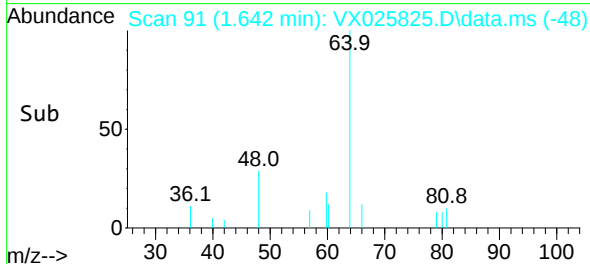
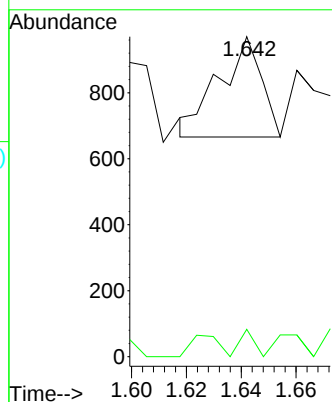
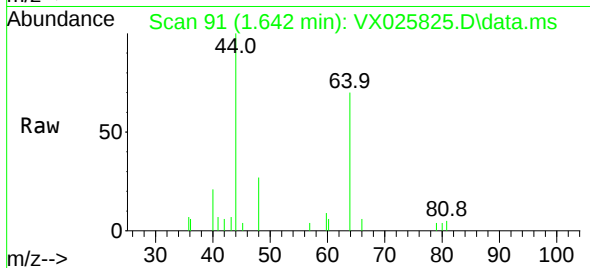




#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

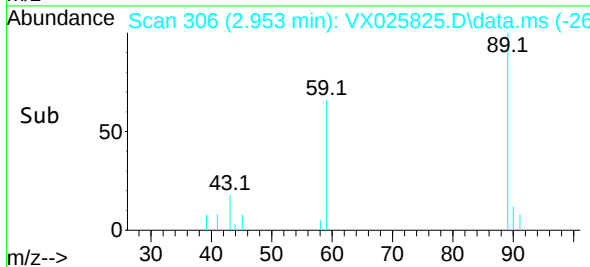
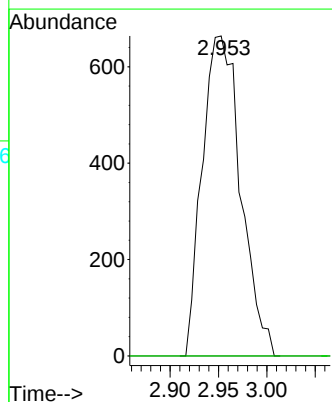
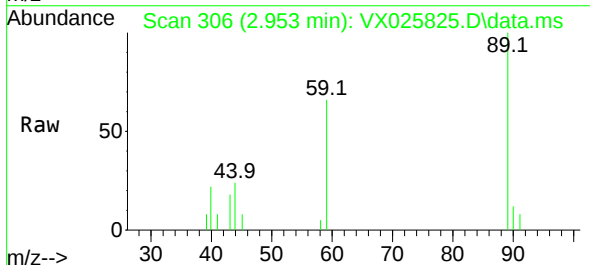
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

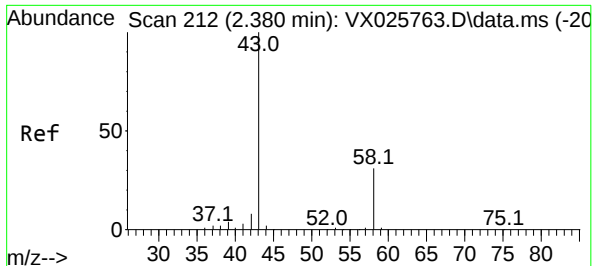
Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 27.3 25.9 38.9



#11
Tert butyl alcohol
Concen: 4.598 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 59 Resp: 1835
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

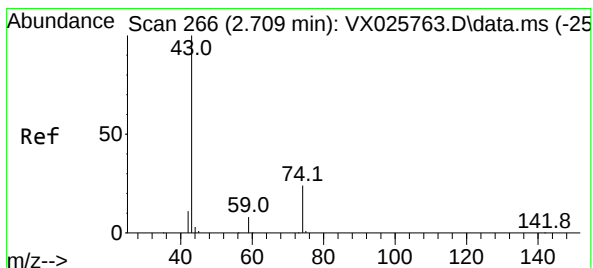
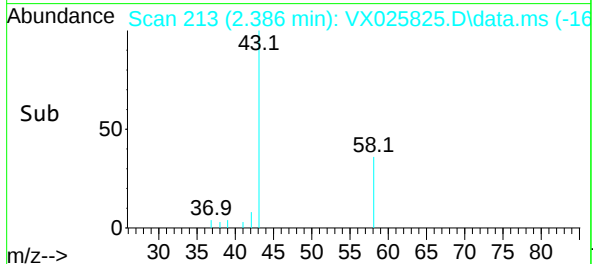
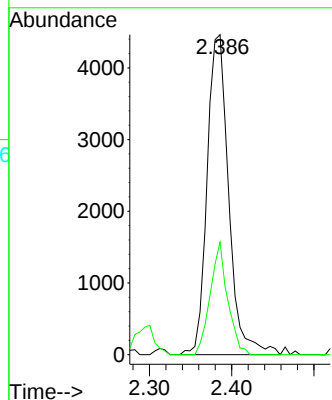
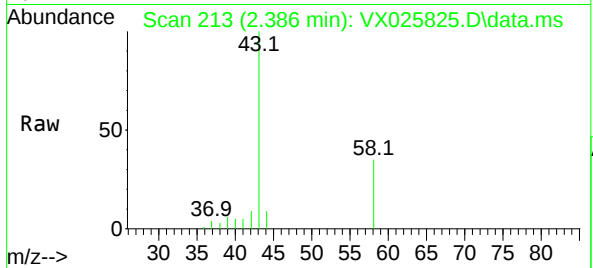




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

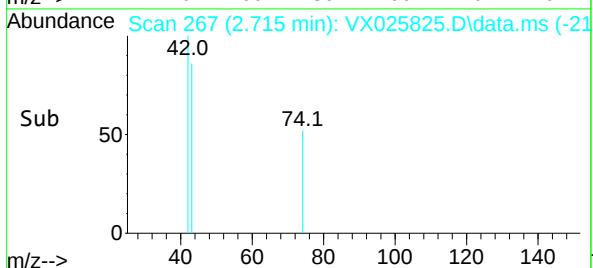
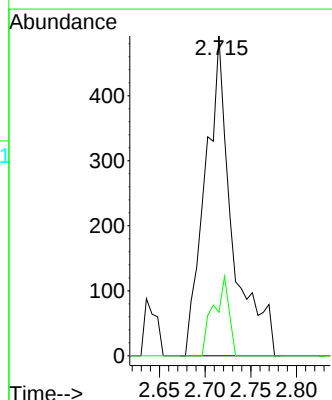
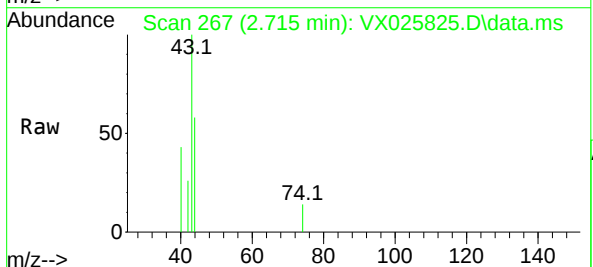
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

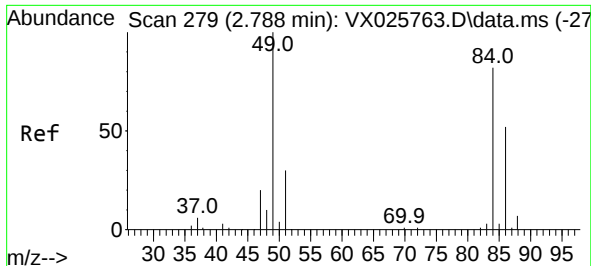
Tgt Ion: 43 Resp: 8138
Ion Ratio Lower Upper
43 100
58 35.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
74 14.0 19.1 28.7#



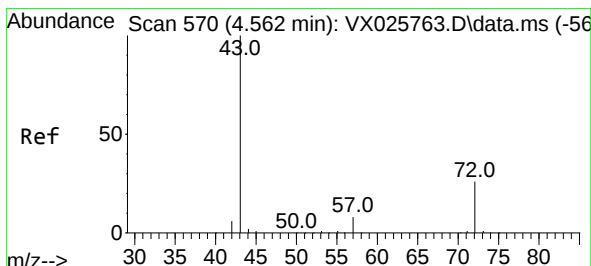
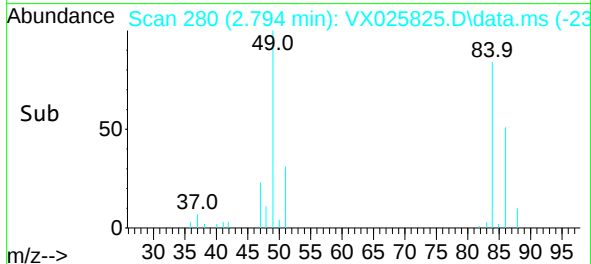
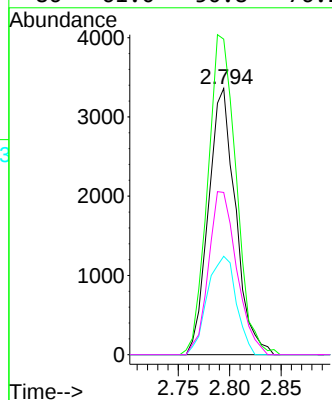
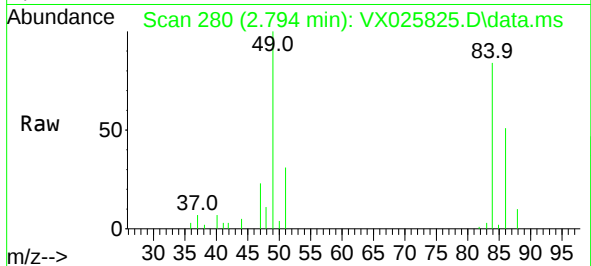


#20
Methylene Chloride
Concen: 1.263 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

Tgt Ion: 84 Resp: 6163

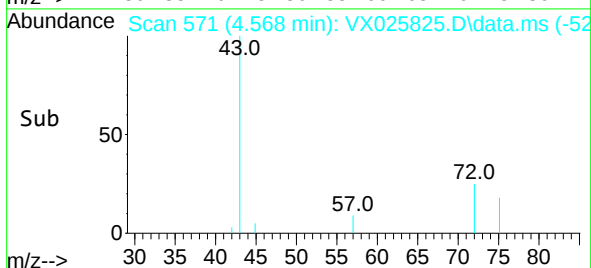
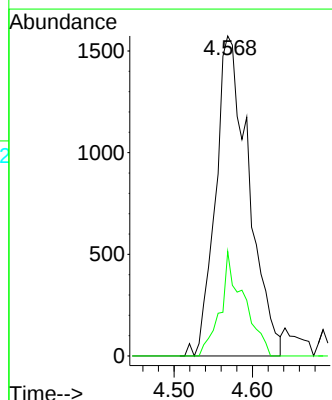
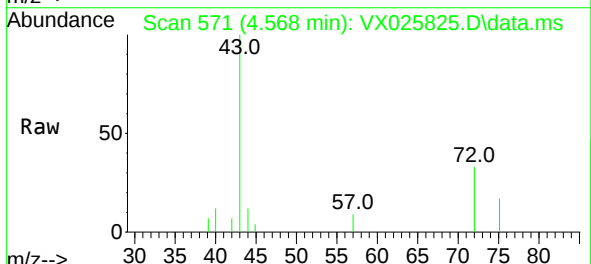
Ion	Ratio	Lower	Upper
84	100		
49	118.5	97.1	145.7
51	37.0	29.3	43.9
86	61.0	50.8	76.2

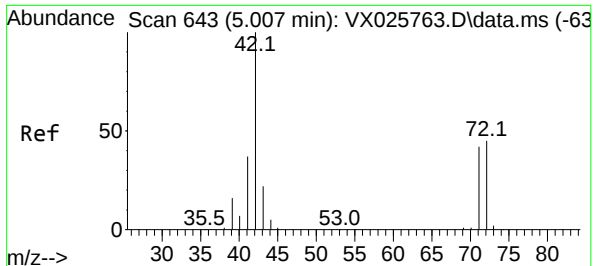


#25
2-Butanone
Concen: 3.466 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 43 Resp: 4638

Ion	Ratio	Lower	Upper
43	100		
72	32.7	21.0	31.4#





#29

Tetrahydrofuran

Concen: 0.851 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

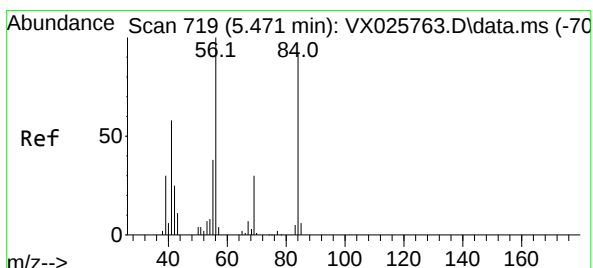
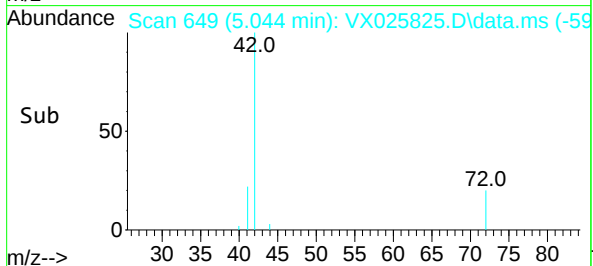
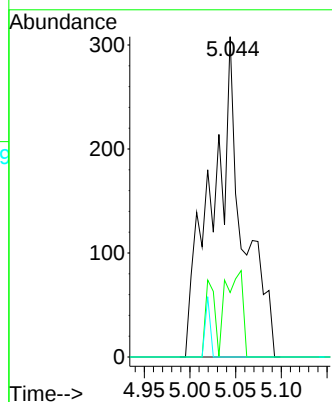
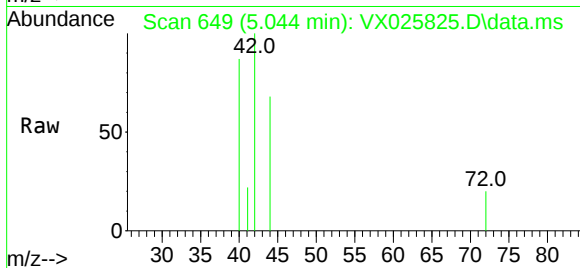
Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#05

Tgt Ion:	42	Resp:	724
Ion	Ratio	Lower	Upper
42	100		
72	14.9	37.0	55.6#
71	0.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.375 ug/l

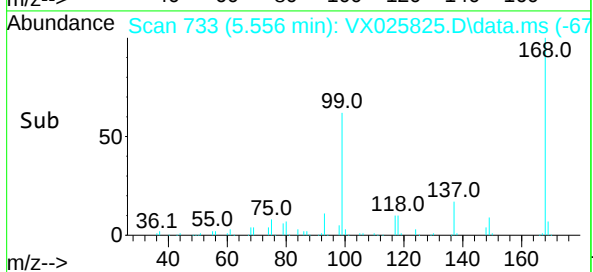
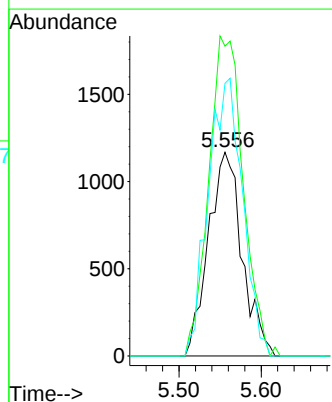
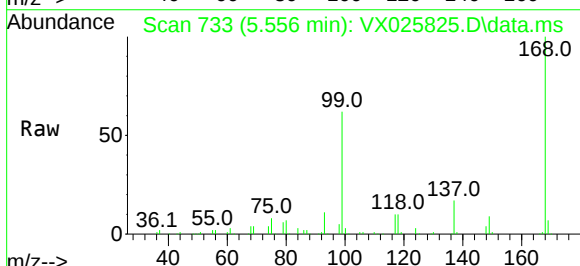
RT: 5.556 min Scan# 733

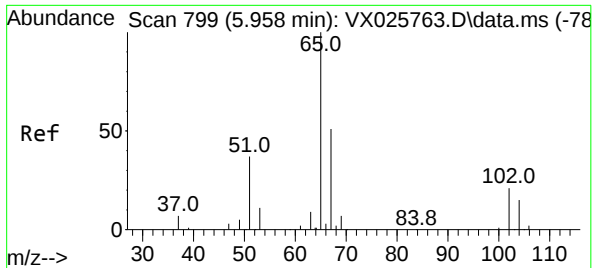
Delta R.T. 0.085 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

Tgt Ion:	56	Resp:	3328
Ion	Ratio	Lower	Upper
56	100		
69	152.1	23.9	35.9#
84	133.8	73.2	109.8#





#33

1,2-Dichloroethane-d4

Concen: 47.617 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

Instrument :

MSVOA_X

ClientSampleId :

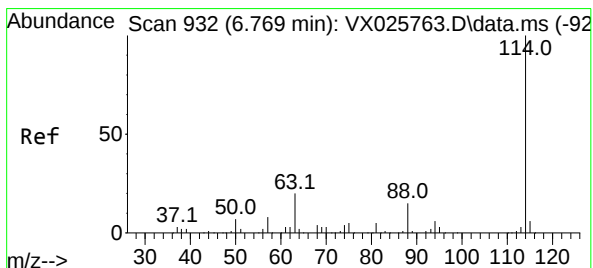
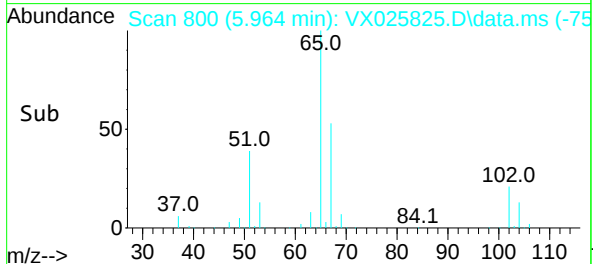
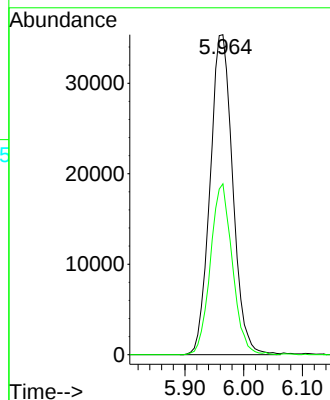
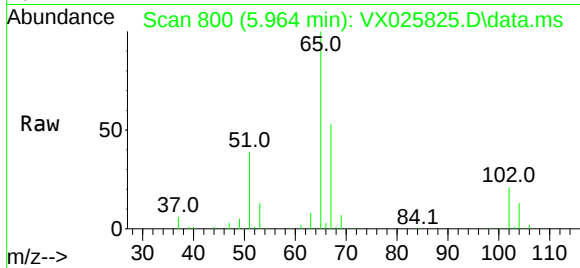
PB141382ZHE#05

Tgt Ion: 65 Resp: 94743

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

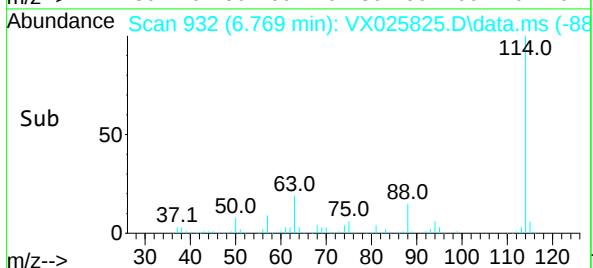
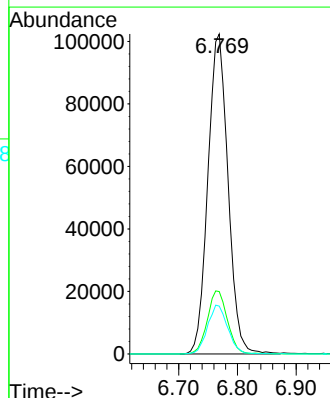
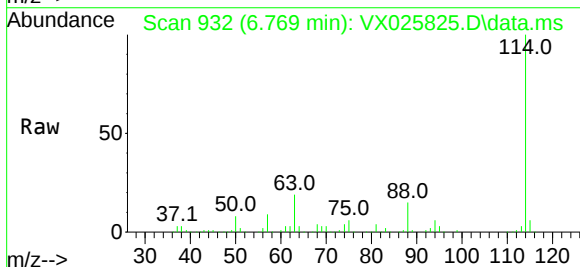
Tgt Ion: 114 Resp: 243676

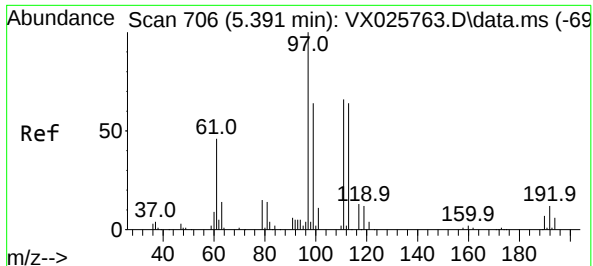
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.0 0.0 30.6

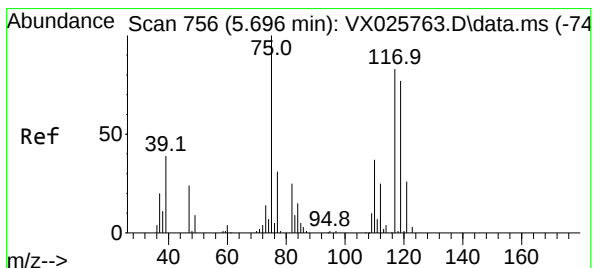
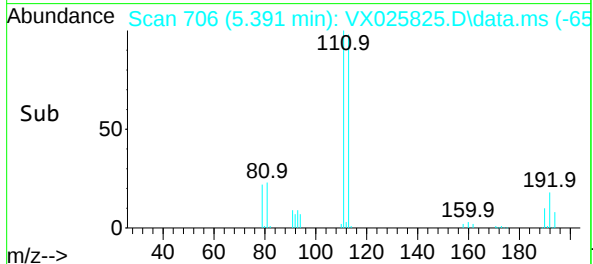
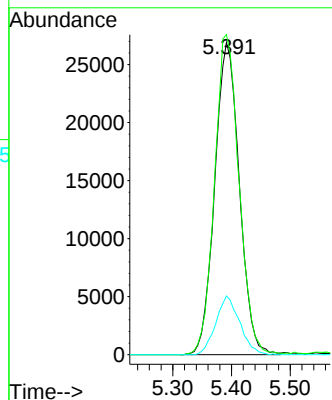
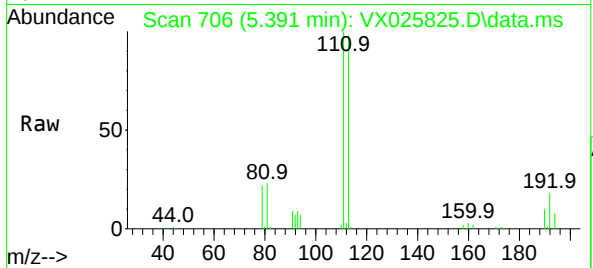




#35
Dibromofluoromethane
Concen: 46.049 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

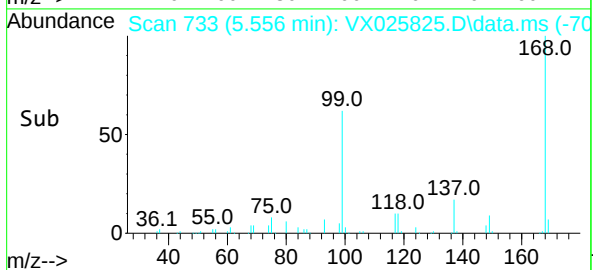
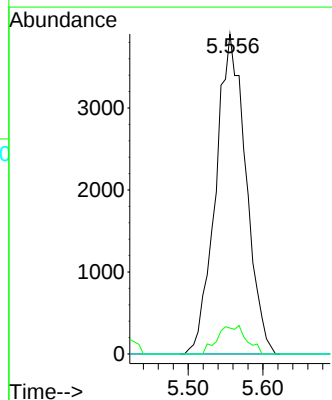
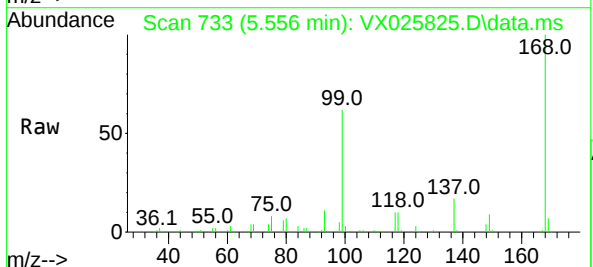
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

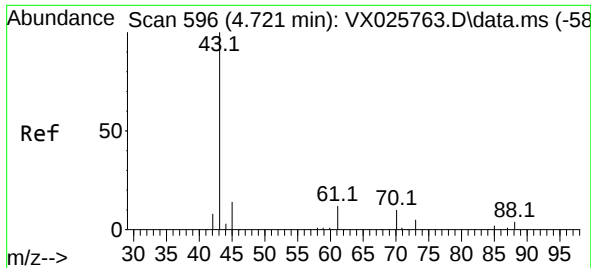
Tgt Ion:113 Resp: 78257
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 18.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 75 Resp: 10969
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.811 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#05

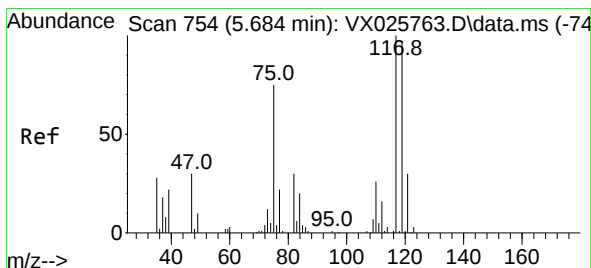
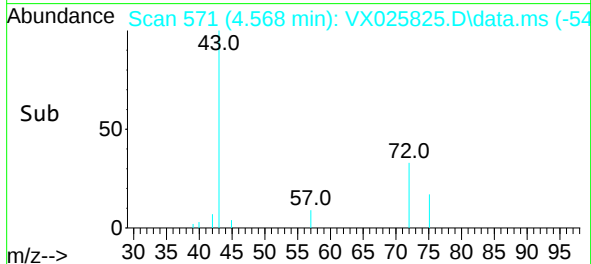
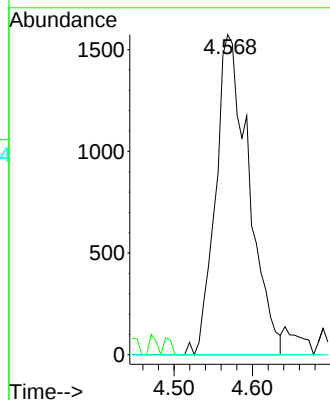
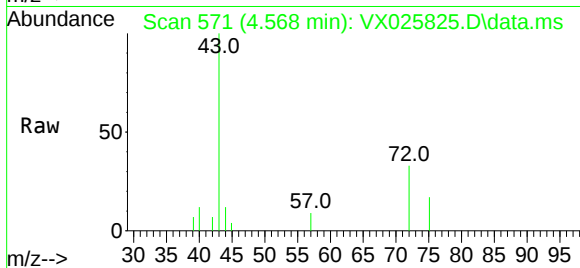
Tgt Ion: 43 Resp: 4638

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.404 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

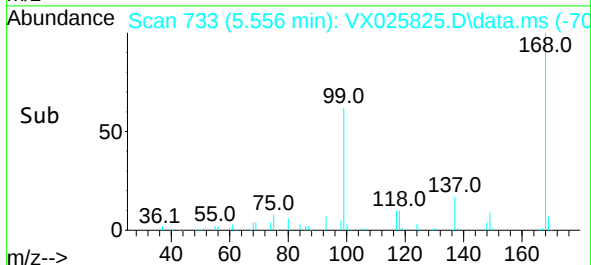
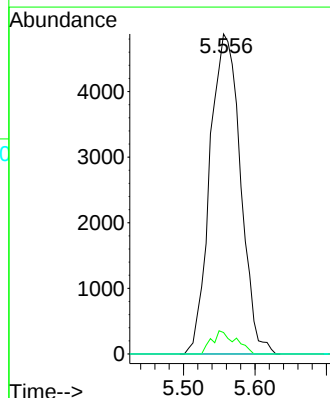
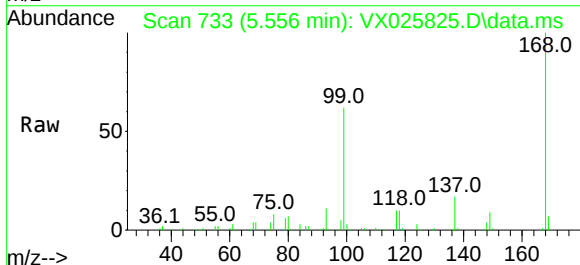
Tgt Ion: 117 Resp: 14491

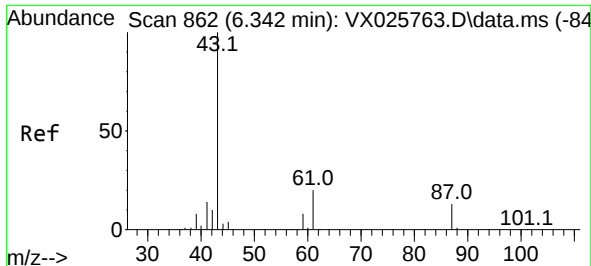
Ion Ratio Lower Upper

117 100

119 6.7 77.2 115.8#

121 0.0 23.8 35.8#

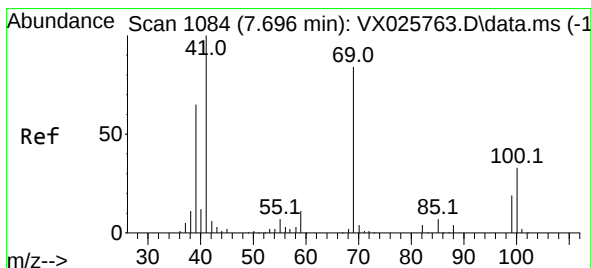
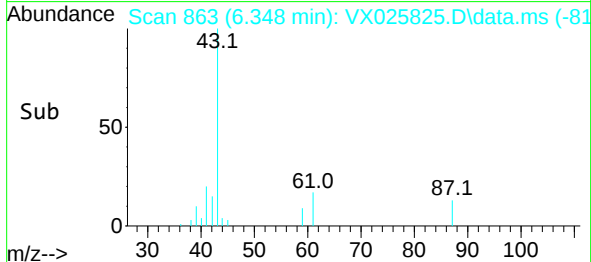
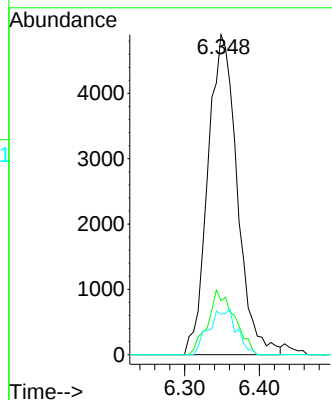
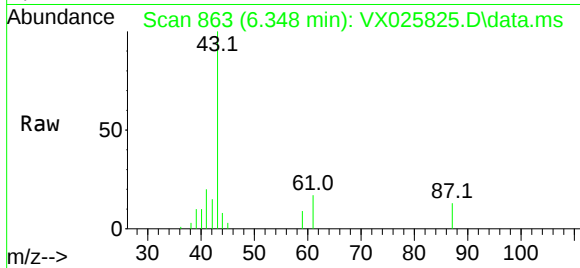




#43
Isopropyl Acetate
Concen: 3.245 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

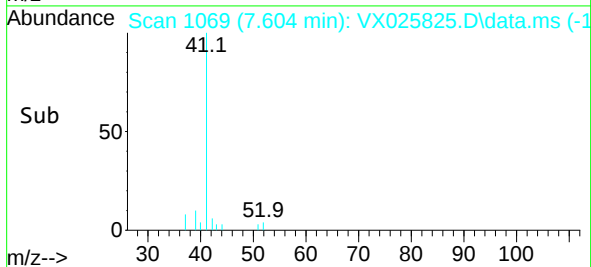
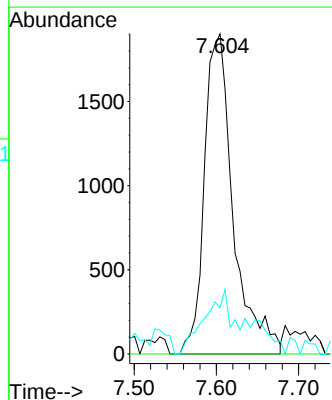
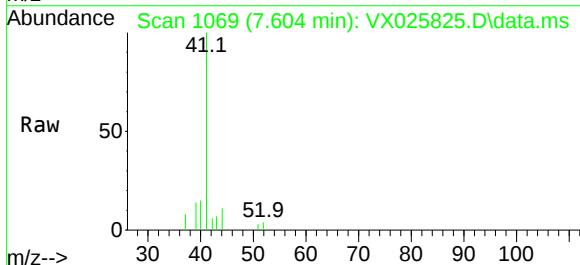
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

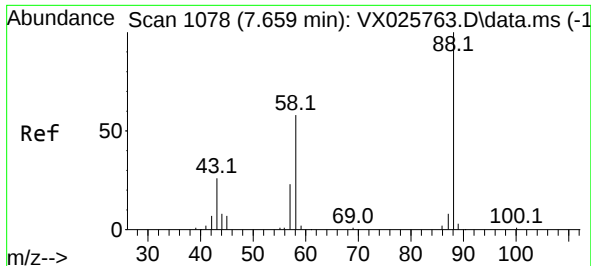
Tgt Ion: 43 Resp: 13387
Ion Ratio Lower Upper
43 100
61 18.4 15.7 23.5
87 13.4 11.2 16.8



#48
Methyl methacrylate
Concen: 2.390 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 41 Resp: 4642
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#

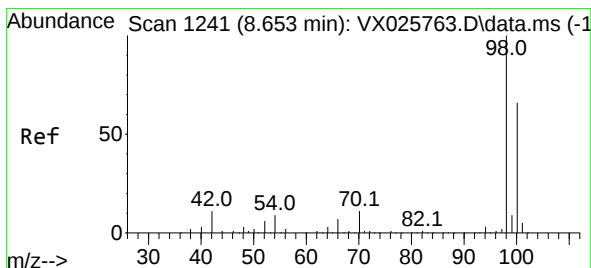
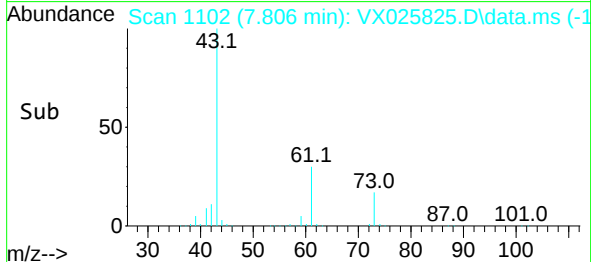
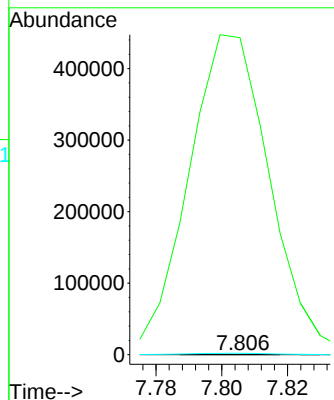
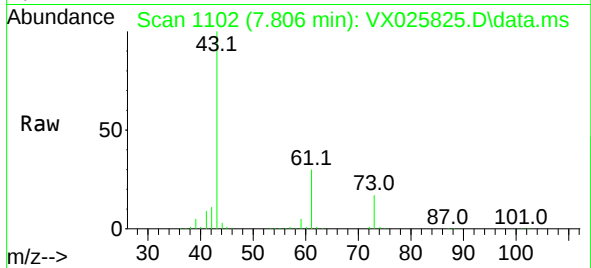




#49
1,4-Dioxane
Concen: 1.108 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

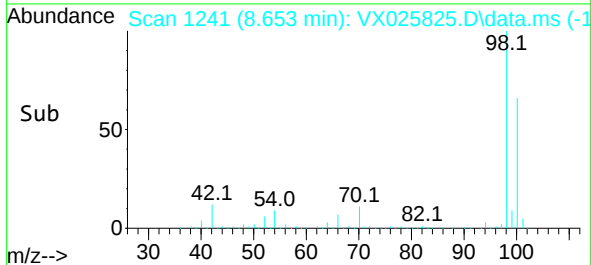
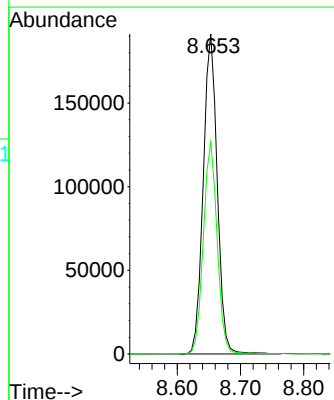
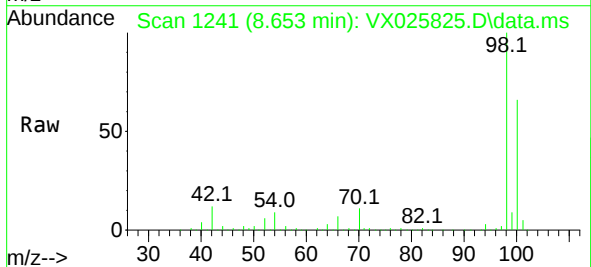
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

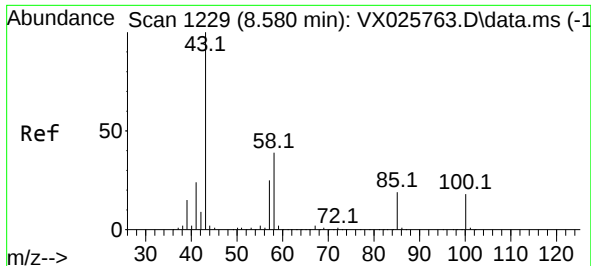
Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 1666097.9 25.3 37.9#
58 7827.7 51.8 77.6#



#50
Toluene-d8
Concen: 47.668 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 98 Resp: 295154
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

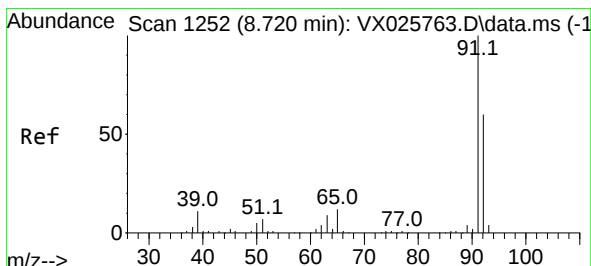
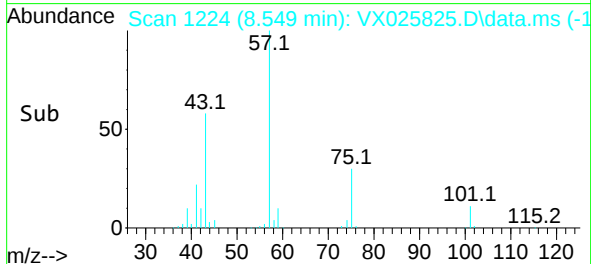
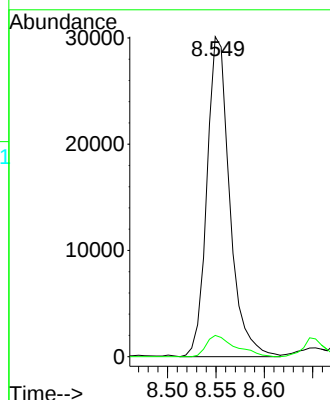
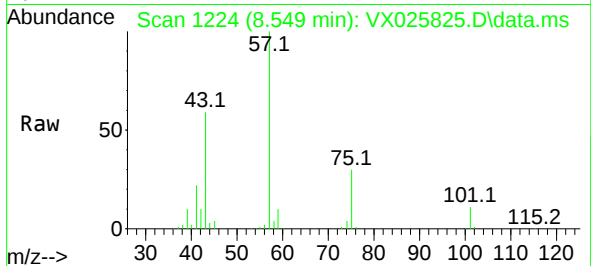




#51
4-Methyl-2-Pentanone
Concen: 18.252 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

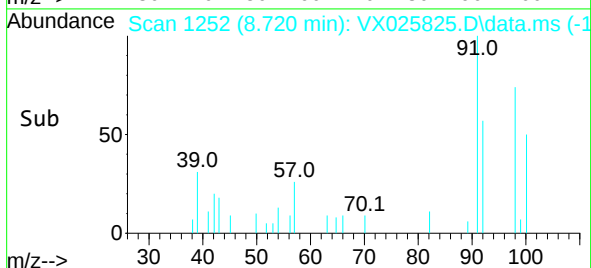
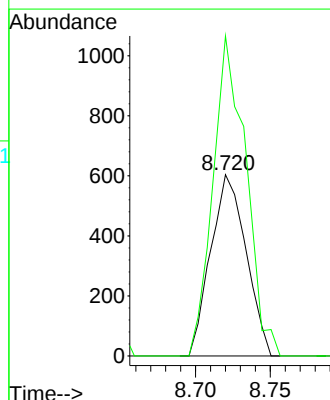
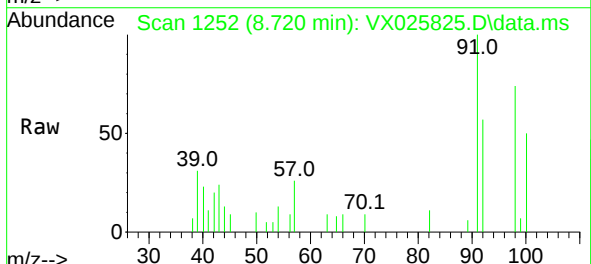
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

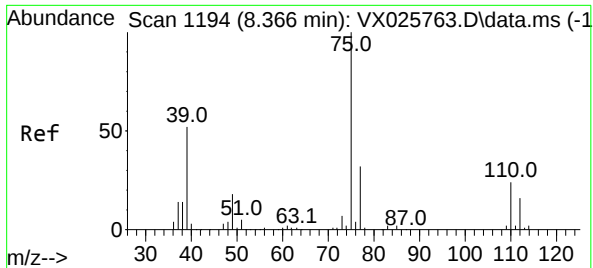
Tgt Ion: 43 Resp: 49288
Ion Ratio Lower Upper
43 100
58 8.4 30.8 46.2#



#52
Toluene
Concen: 0.226 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 92 Resp: 992
Ion Ratio Lower Upper
92 100
91 164.3 136.0 204.0

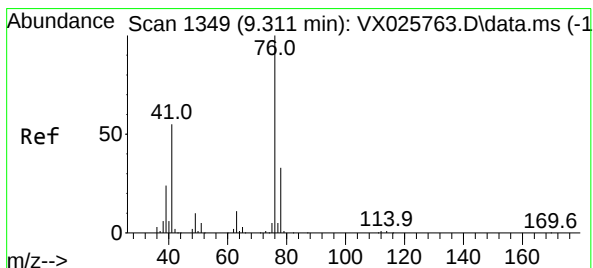
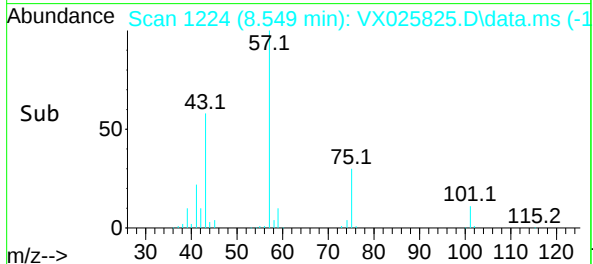
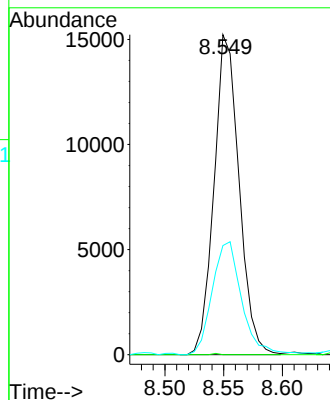
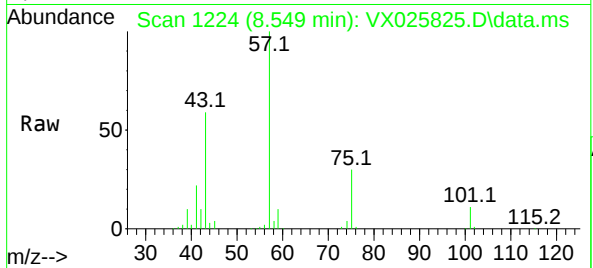




#54
 cis-1,3-Dichloropropene
 Concen: 8.133 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX025825.D
 Acq: 15 Dec 2021 19:23

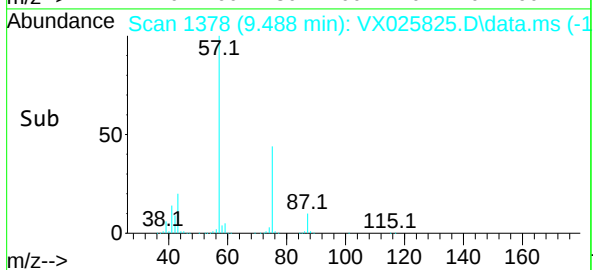
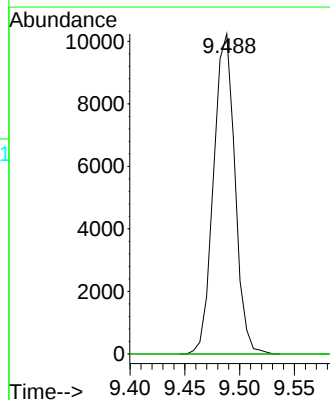
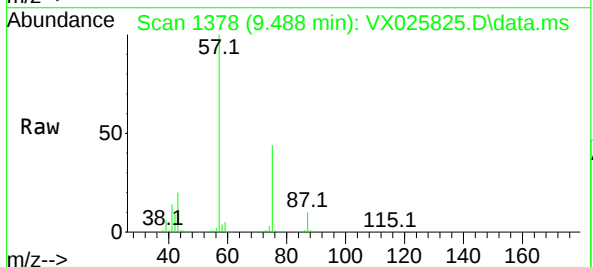
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#05

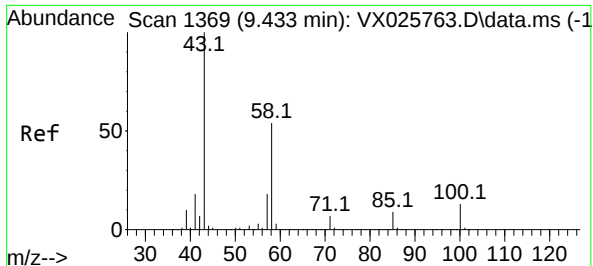
Tgt Ion: 75 Resp: 22551
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 34.1 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.510 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025825.D
 Acq: 15 Dec 2021 19:23

Tgt Ion: 76 Resp: 13895
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 94.215 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

Instrument :

MSVOA_X

ClientSampleId :

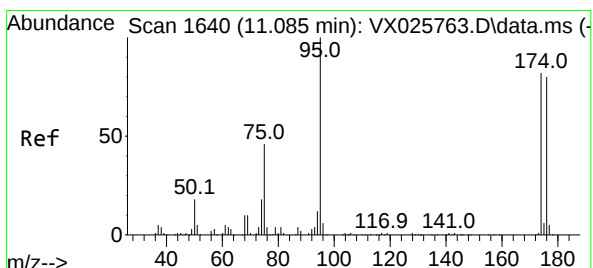
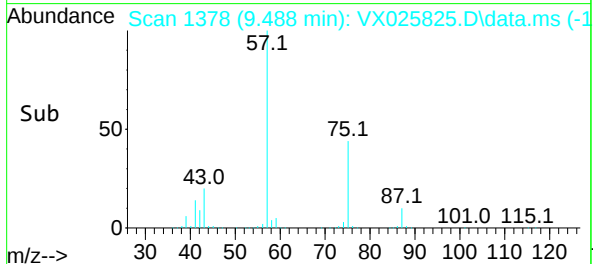
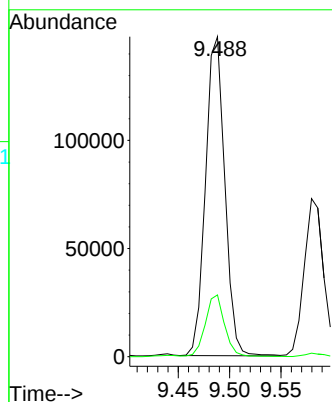
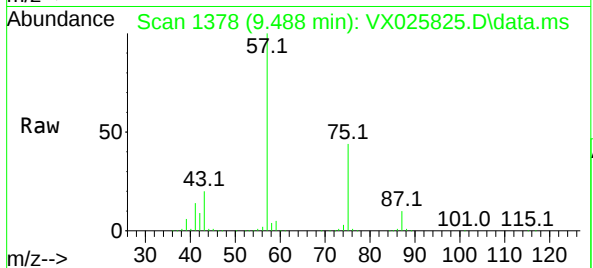
PB141382ZHE#05

Tgt Ion: 43 Resp: 192770

Ion Ratio Lower Upper

43 100

58 19.5 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 43.735 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

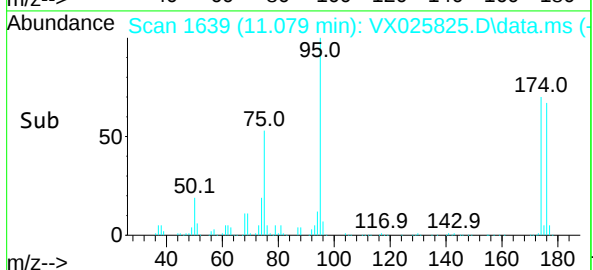
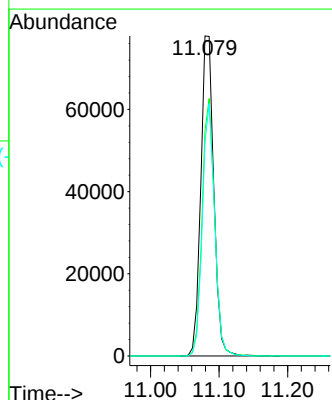
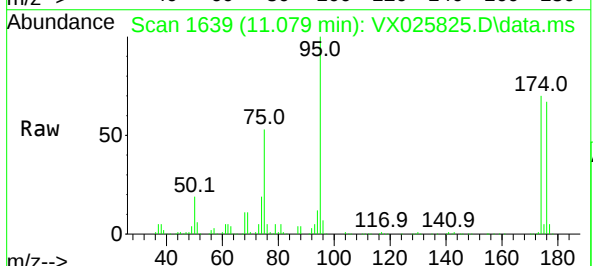
Tgt Ion: 95 Resp: 102868

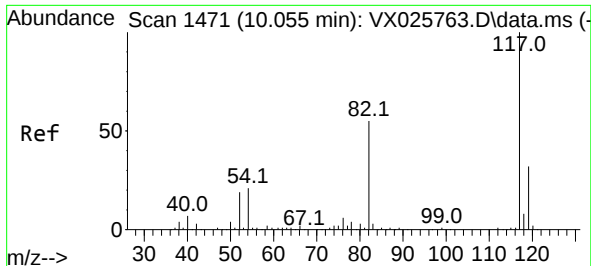
Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.4

176 74.5 0.0 154.6

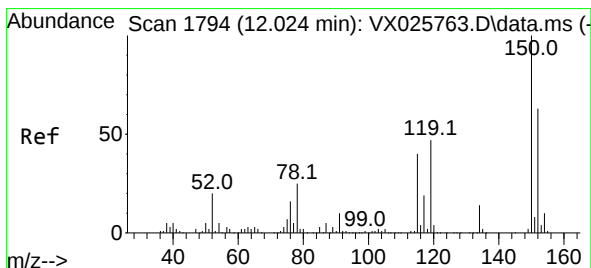
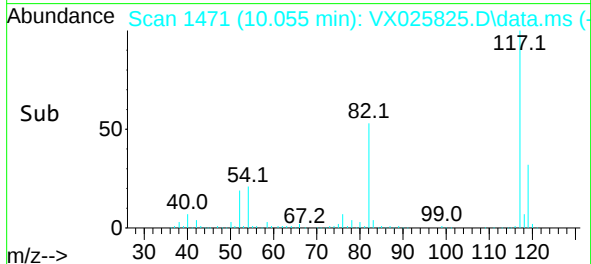
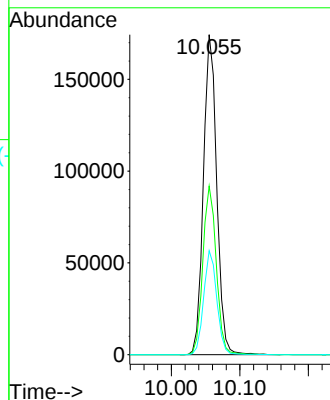
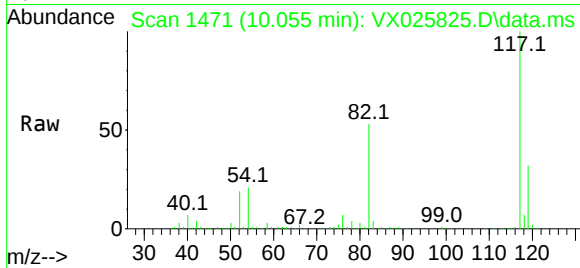




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

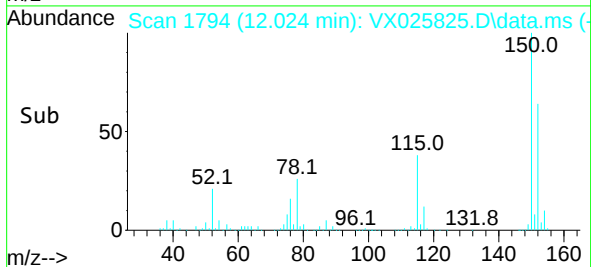
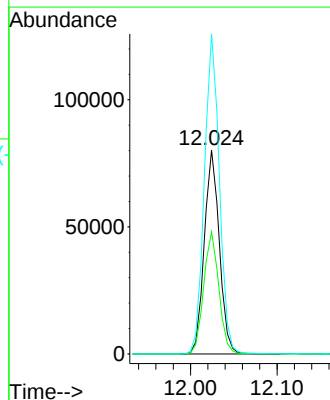
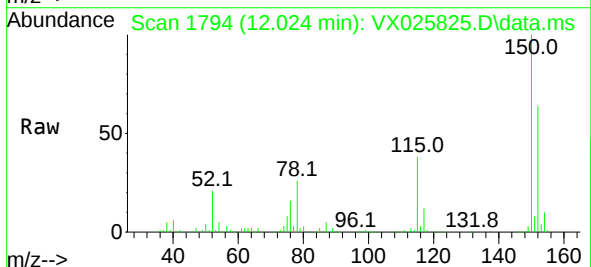
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

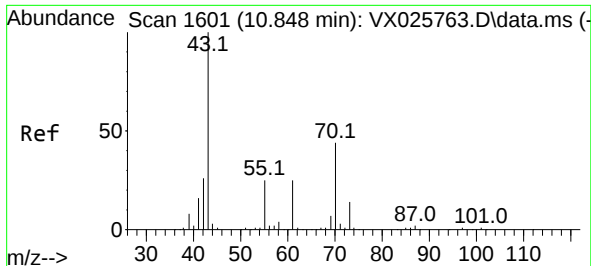
Tgt Ion:117 Resp: 236071
Ion Ratio Lower Upper
117 100
82 52.7 43.8 65.6
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion:152 Resp: 96611
Ion Ratio Lower Upper
152 100
115 60.2 41.3 123.9
150 156.9 0.0 351.8

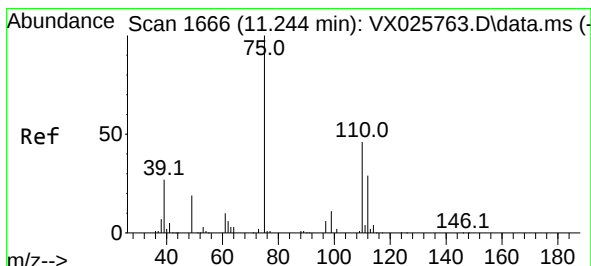
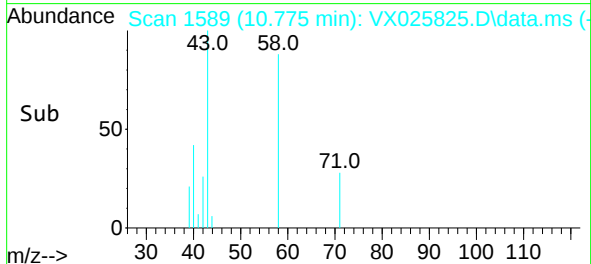
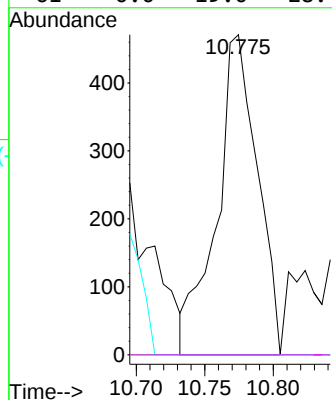
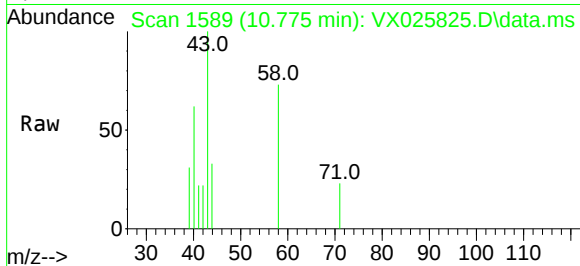




#74
N-amy1 acetate
Concen: 0.344 ug/l
RT: 10.775 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

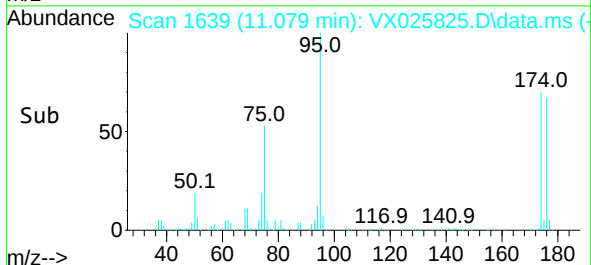
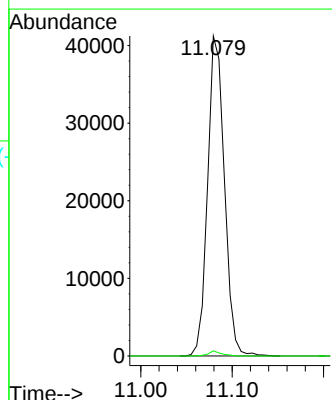
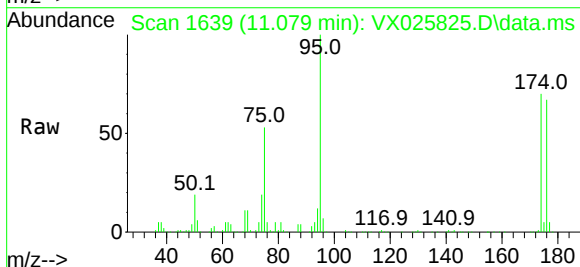
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

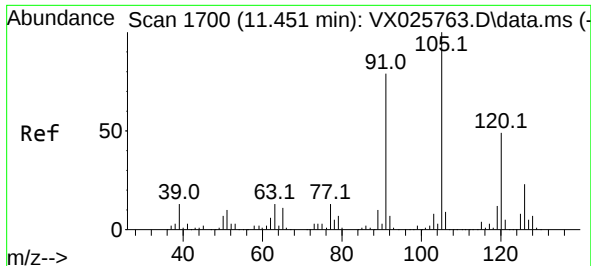
Tgt Ion: 43	Resp:	971
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.1 51.1#
55	0.0	19.2 28.8#
61	0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.772 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 75	Resp:	52620
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.0 57.0#

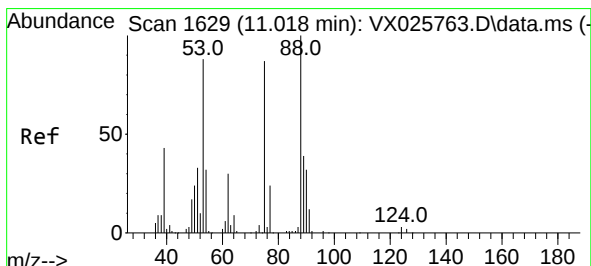
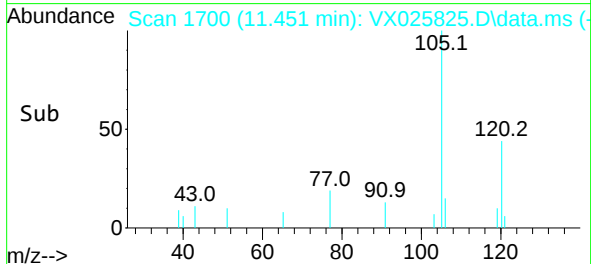
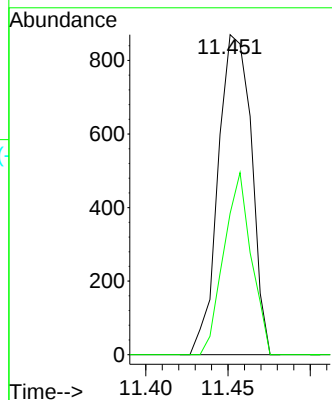
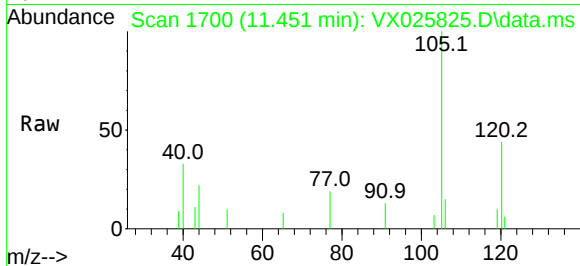




#80
1,3,5-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#05

Tgt Ion:105 Resp: 1225
Ion Ratio Lower Upper
105 100
120 46.9 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 73.700 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025825.D
Acq: 15 Dec 2021 19:23

Tgt Ion: 75 Resp: 52620
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

