

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025824.D
 Acq On : 15 Dec 2021 19:00
 Operator : JC/MD
 Sample : PB141382ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#04

Quant Time: Dec 16 07:31:09 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)

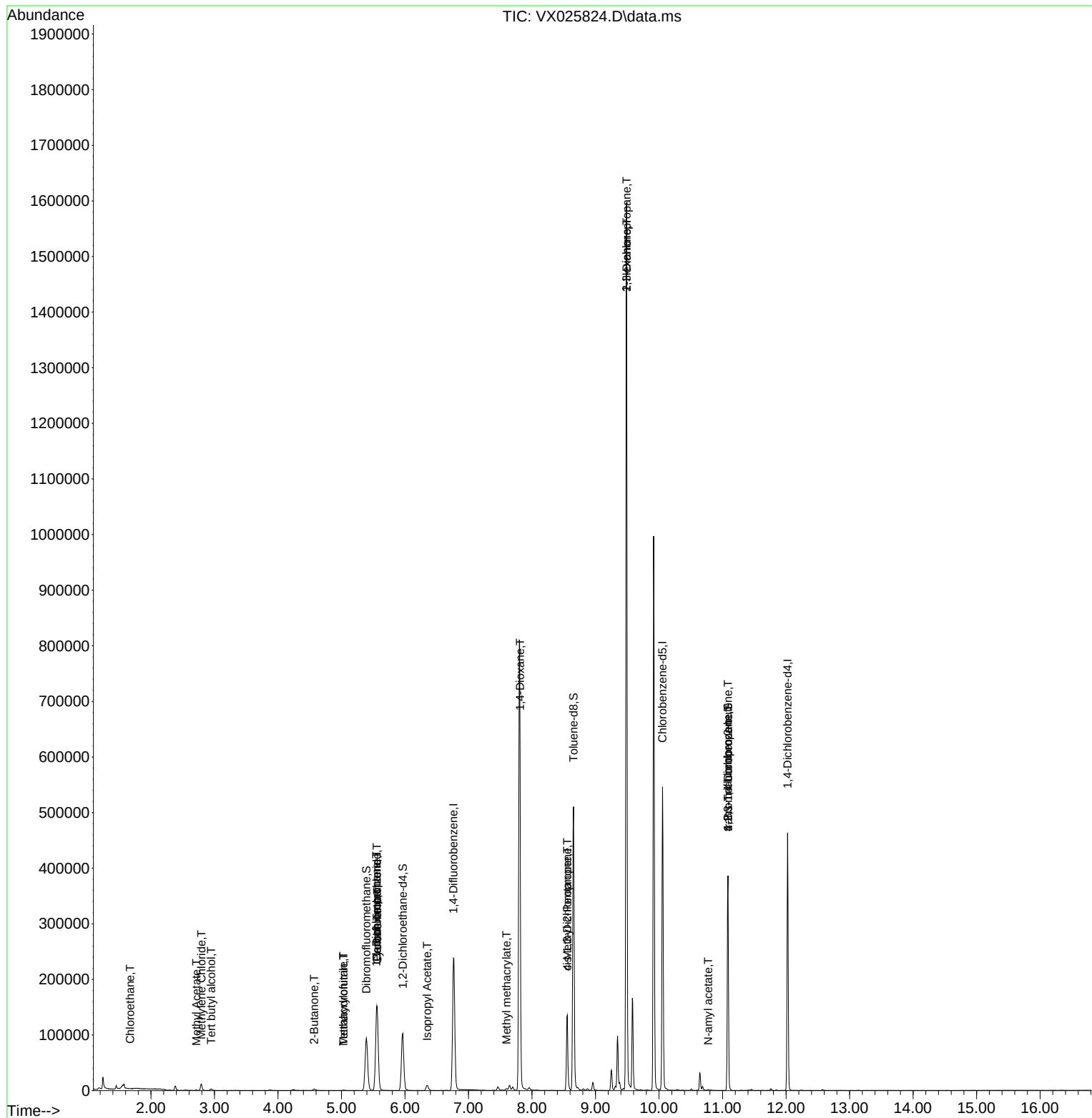
Internal Standards						
1) Pentafluorobenzene	5.556	168	141936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96114	47.064	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.120%
35) Dibromofluoromethane	5.391	113	78720	45.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.620%
50) Toluene-d8	8.653	98	301515	47.629	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.260%
62) 4-Bromofluorobenzene	11.085	95	101456	42.191	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.380%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	353	0.277	ug/l #	84
11) Tert butyl alcohol	2.946	59	2009	4.904	ug/l #	73
16) Acetone	2.380	43	7974	Below Cal		91
18) Methyl Acetate	2.715	43	1168	0.375	ug/l #	77
20) Methylene Chloride	2.794	84	4979	0.453	ug/l	95
25) 2-Butanone	4.568	43	4308	3.136	ug/l	100
29) Tetrahydrofuran	5.031	42	718	0.822	ug/l #	51
31) Cyclohexane	5.562	56	3495	1.407	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	11376	4.828	ug/l #	44
38) Carbon Tetrachloride	5.556	117	14813	5.403	ug/l #	15
41) Methacrylonitrile	5.031	41	302	0.208	ug/l #	44
43) Isopropyl Acetate	6.348	43	13004	3.083	ug/l	97
48) Methyl methacrylate	7.598	41	4535	2.283	ug/l #	12
49) 1,4-Dioxane	7.811	88	69	1.591	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	47274	17.123	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	21507	7.586	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	13773	4.372	ug/l #	42
59) 2-Hexanone	9.488	43	183451	87.698	ug/l #	51
74) N-amyl acetate	10.774	43	635	0.239	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	51513	24.669	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51513	76.480	ug/l #	10

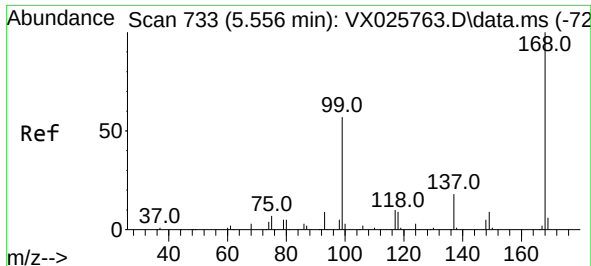
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
Data File : VX025824.D
Acq On : 15 Dec 2021 19:00
Operator : JC/MD
Sample : PB141382ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

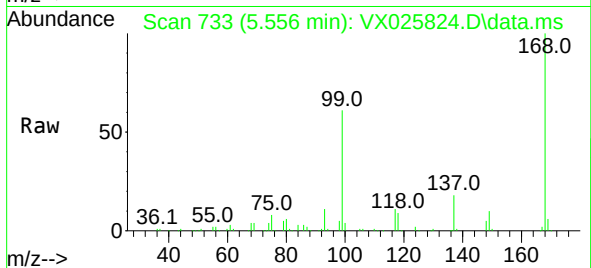
Quant Time: Dec 16 07:31:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



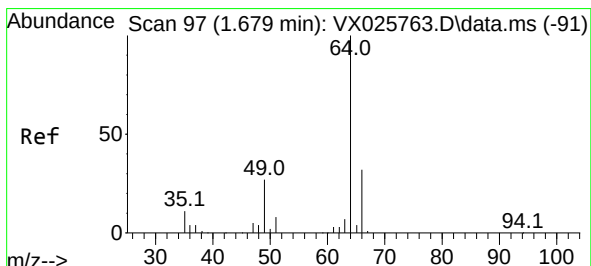
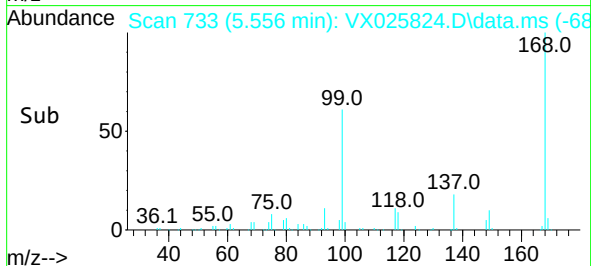
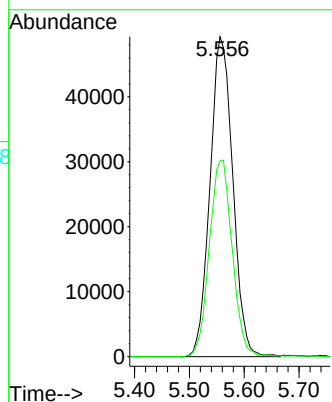


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

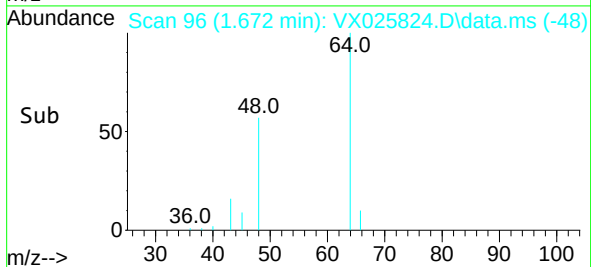
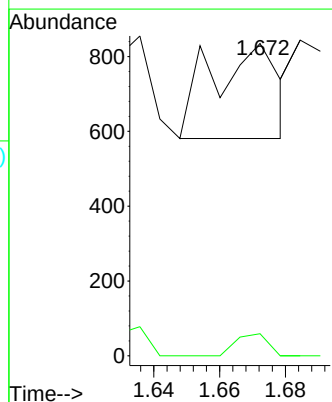
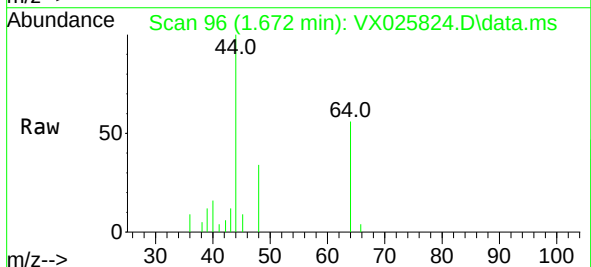


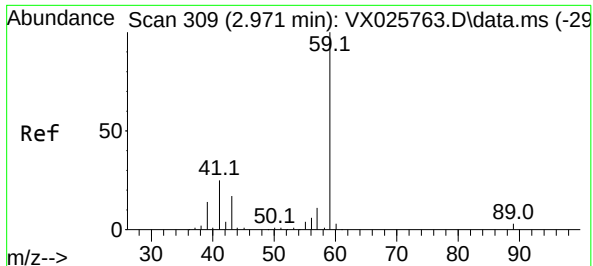
Tgt Ion:168 Resp: 141936
Ion Ratio Lower Upper
168 100
99 61.2 45.8 68.8



#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 23.2 25.9 38.9#





#11

Tert butyl alcohol

Concen: 4.904 ug/l

RT: 2.946 min Scan# 309

Delta R.T. -0.025 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Instrument :

MSVOA_X

ClientSampleId :

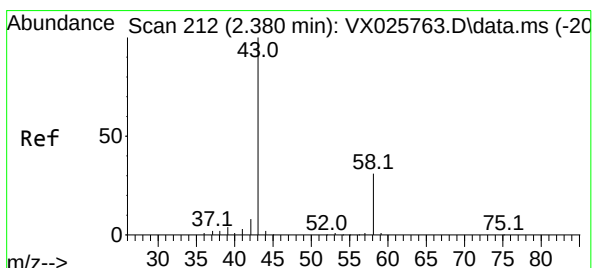
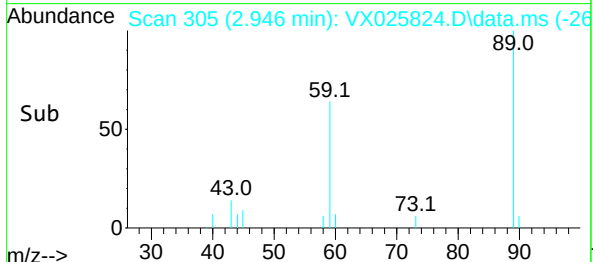
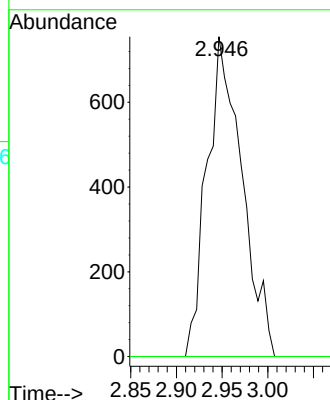
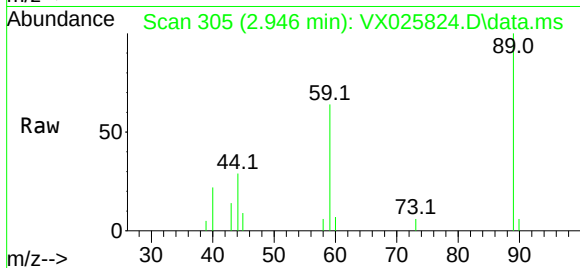
PB141382ZHE#04

Tgt Ion: 59 Resp: 2009

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025824.D

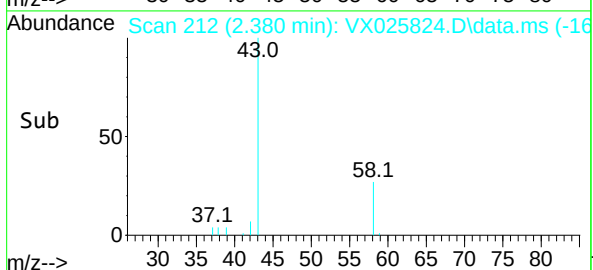
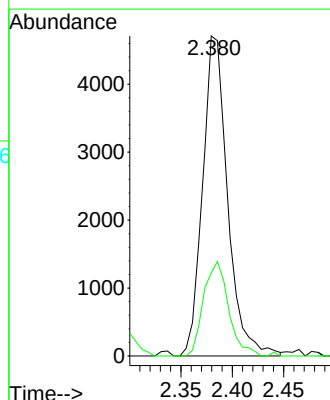
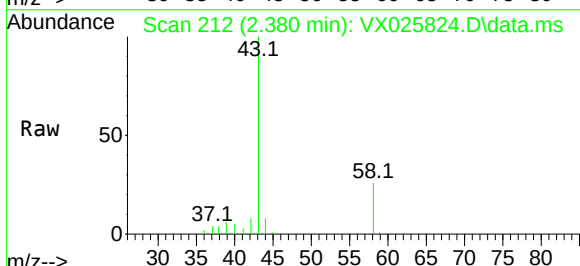
Acq: 15 Dec 2021 19:00

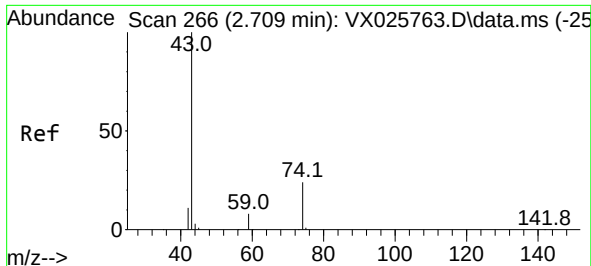
Tgt Ion: 43 Resp: 7974

Ion Ratio Lower Upper

43 100

58 25.9 24.8 37.2





#18

Methyl Acetate

Concen: 0.375 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Instrument :

MSVOA_X

ClientSampleId :

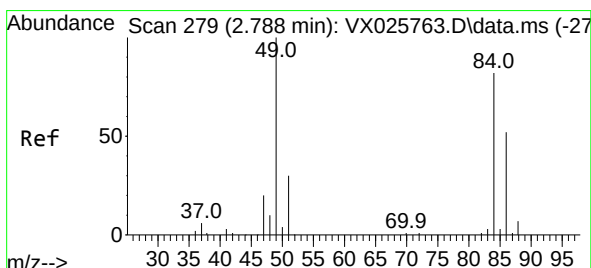
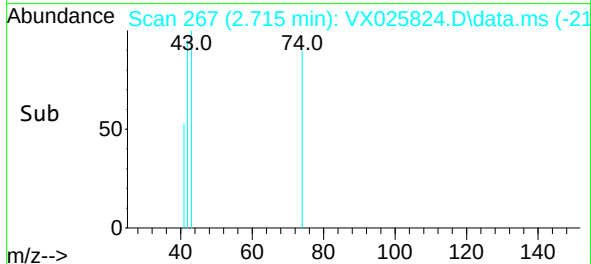
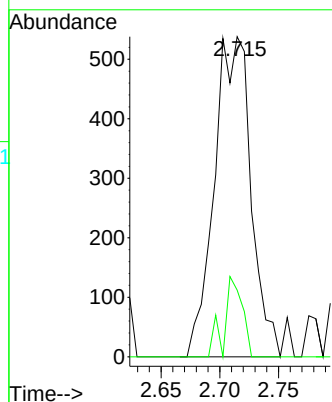
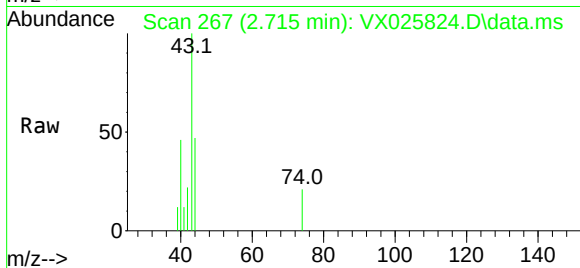
PB141382ZHE#04

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

74 12.3 19.1 28.7#



#20

Methylene Chloride

Concen: 0.453 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Tgt Ion: 84 Resp: 4979

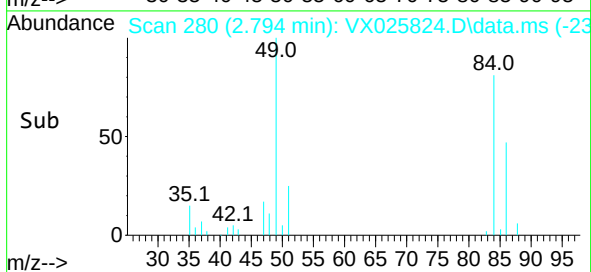
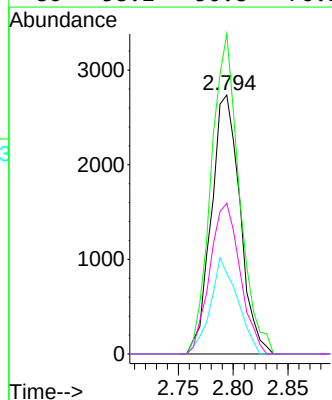
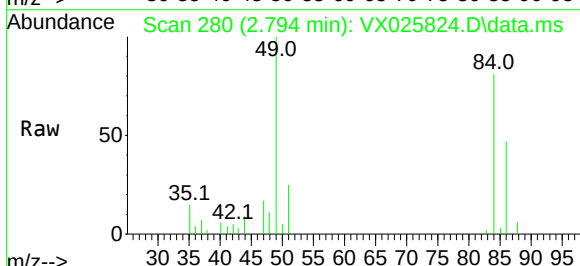
Ion Ratio Lower Upper

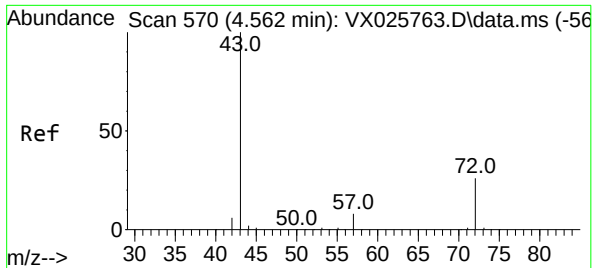
84 100

49 123.5 97.1 145.7

51 30.9 29.3 43.9

86 58.2 50.8 76.2

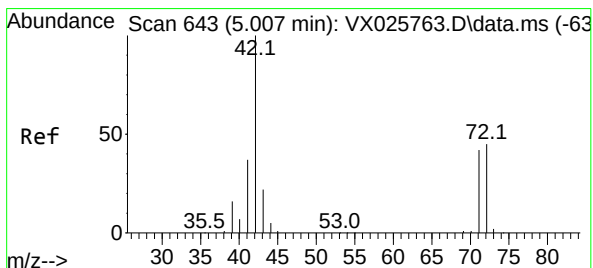
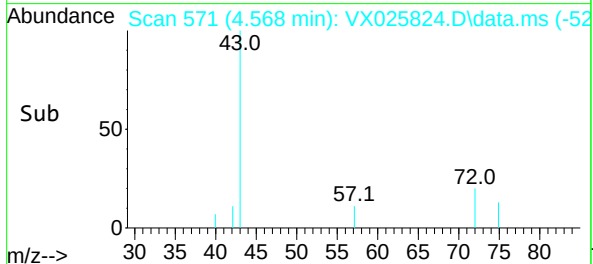
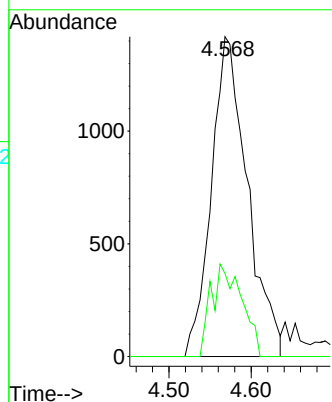
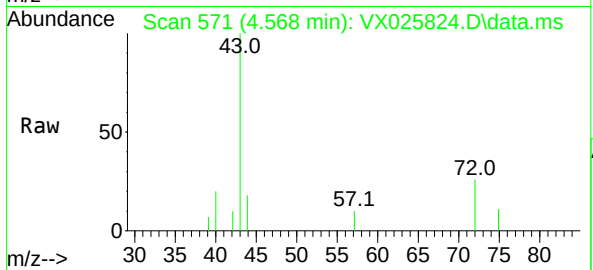




#25
2-Butanone
Concen: 3.136 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

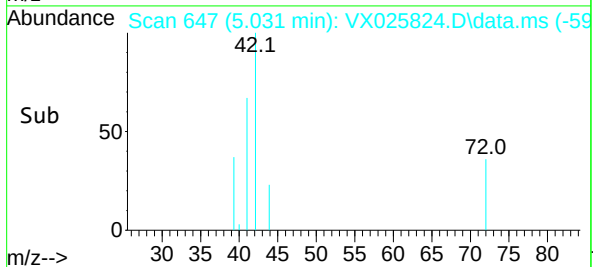
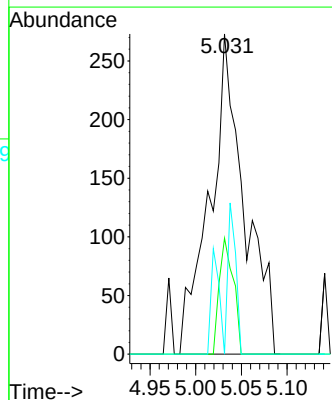
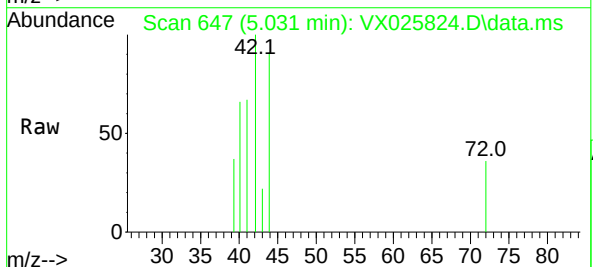
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

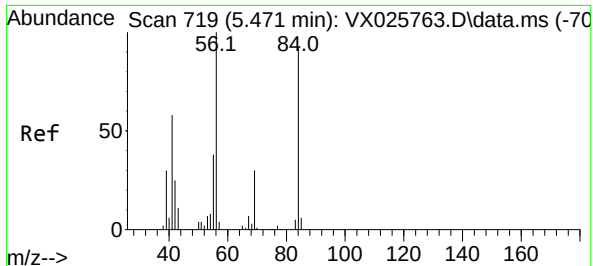
Tgt Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
72 26.0 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.822 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

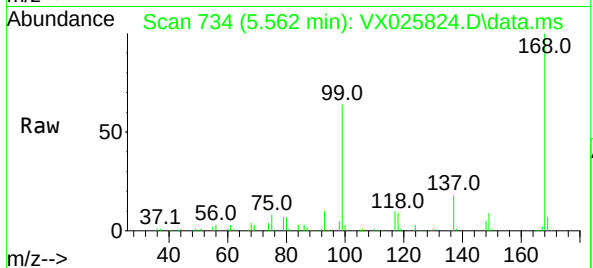
Tgt Ion: 42 Resp: 718
Ion Ratio Lower Upper
42 100
72 14.8 37.0 55.6#
71 11.0 34.1 51.1#



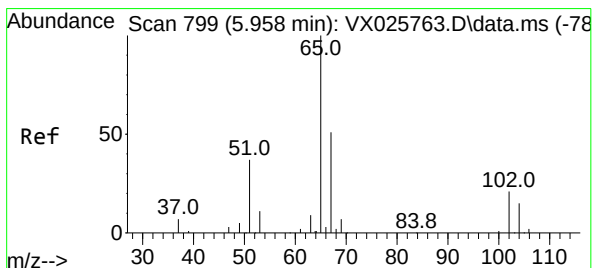
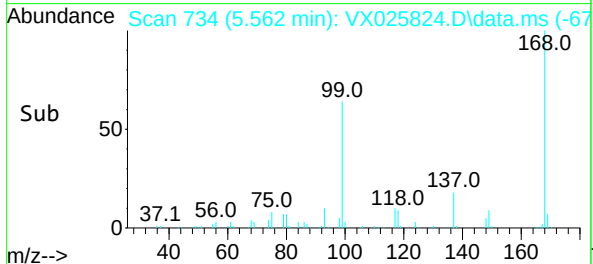
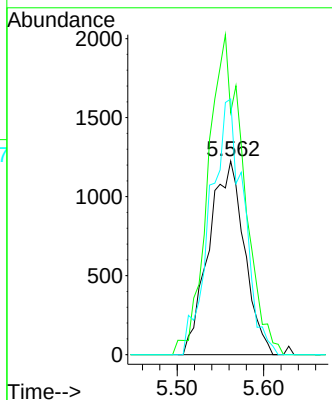


#31
Cyclohexane
Concen: 1.407 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

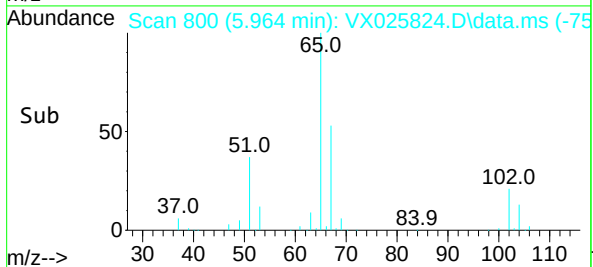
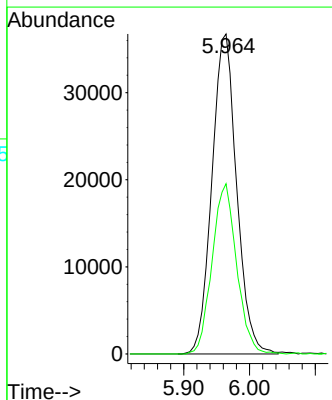
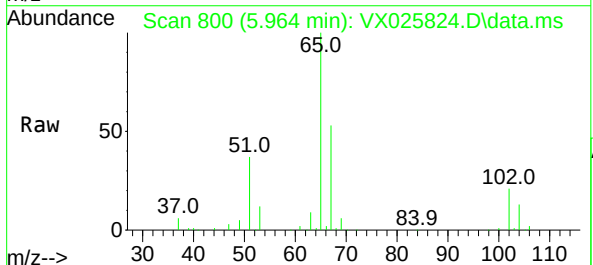


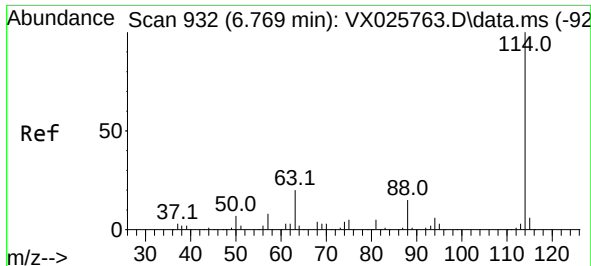
Tgt Ion: 56 Resp: 3495
Ion Ratio Lower Upper
56 100
69 119.8 23.9 35.9#
84 132.1 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.064 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion: 65 Resp: 96114
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

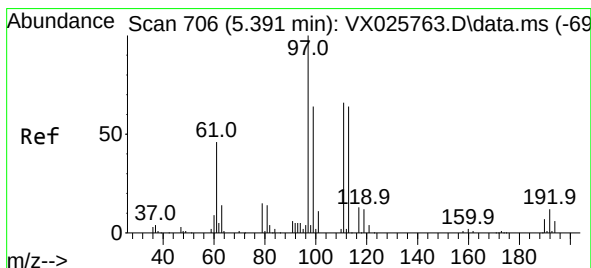
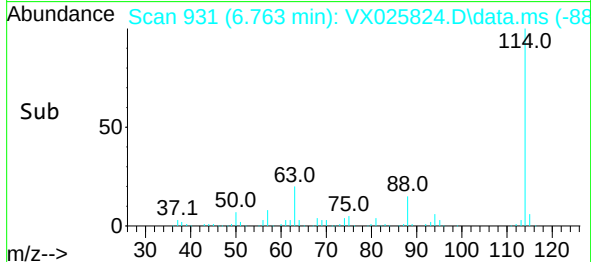
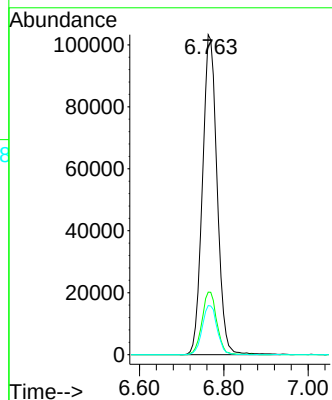
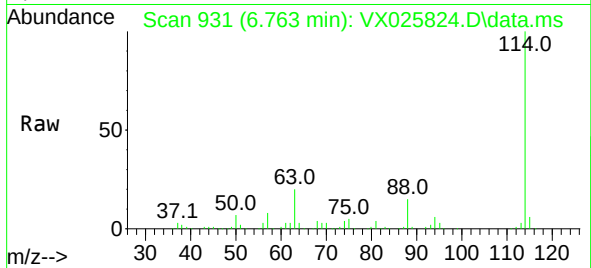




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

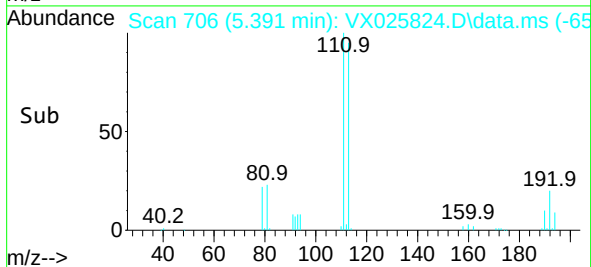
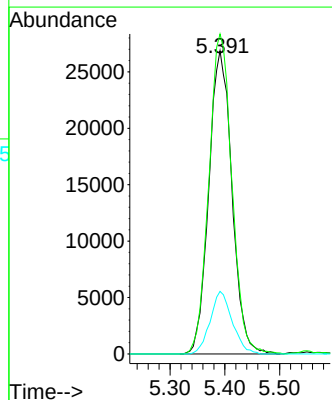
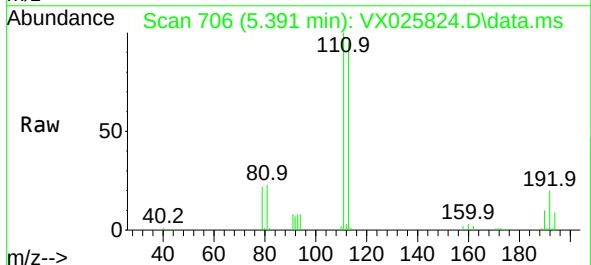
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

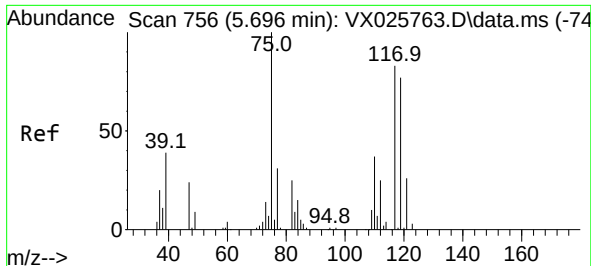
Tgt Ion:114 Resp: 249129
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.308 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion:113 Resp: 78720
Ion Ratio Lower Upper
113 100
111 105.2 81.8 122.8
192 19.7 15.0 22.4

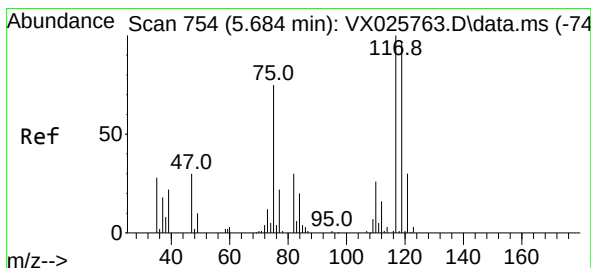
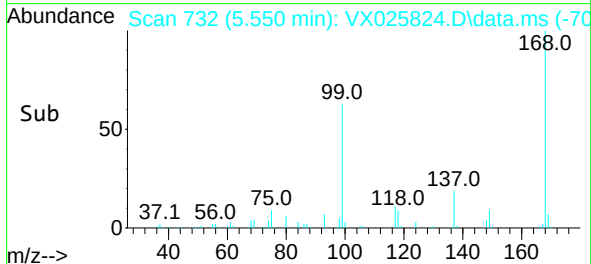
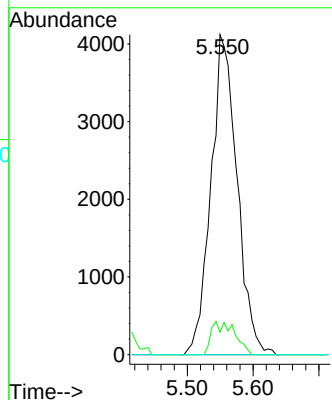
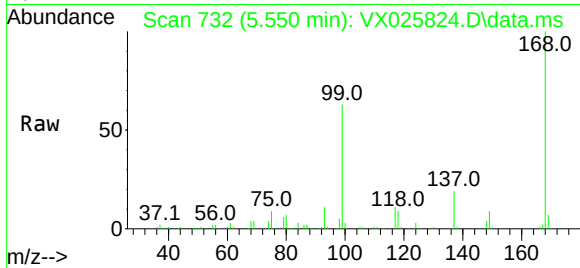




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.147 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

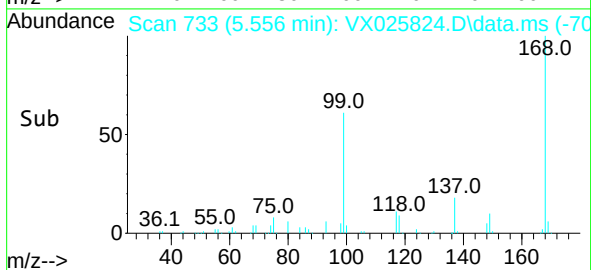
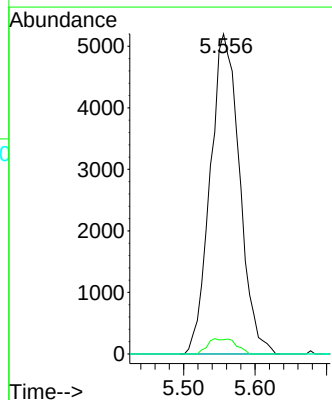
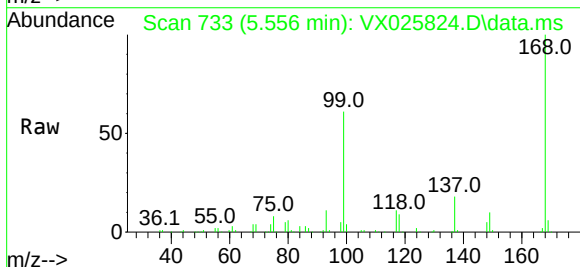
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

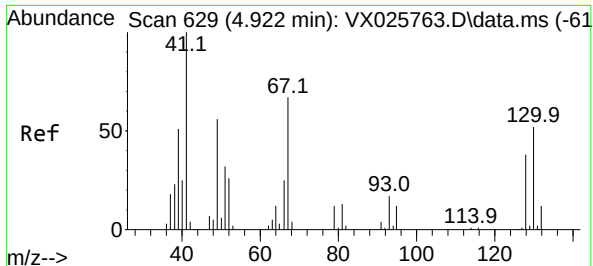
Tgt Ion: 75 Resp: 11376
Ion Ratio Lower Upper
75 100
110 3.8 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion: 117 Resp: 14813
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 23.8 35.8#



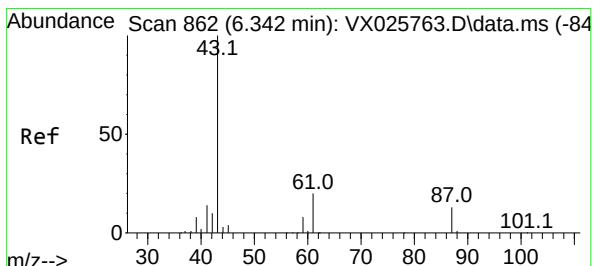
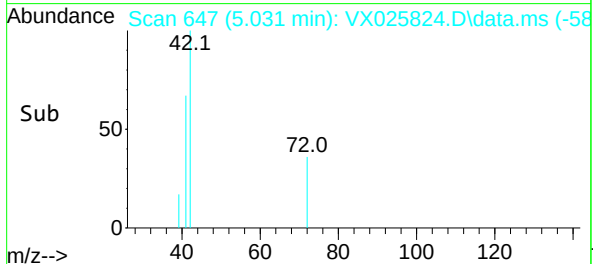
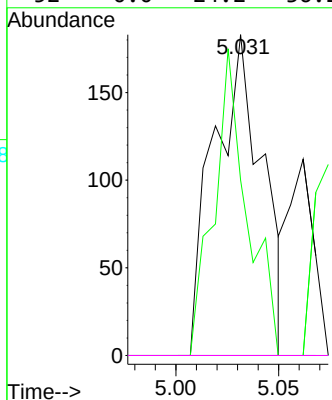
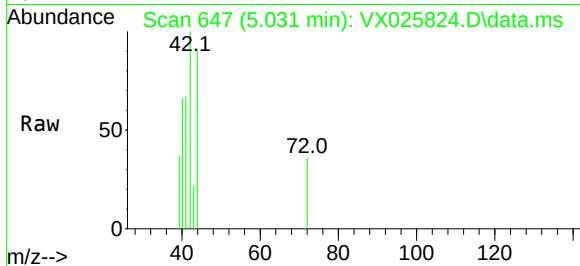


#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

Tgt Ion: 41 Resp: 302

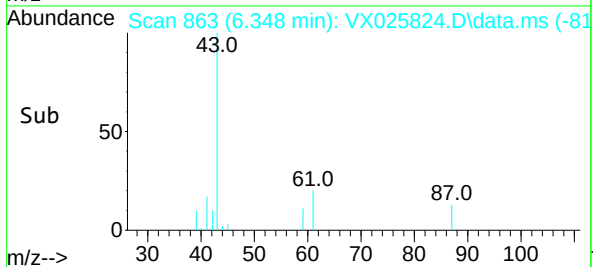
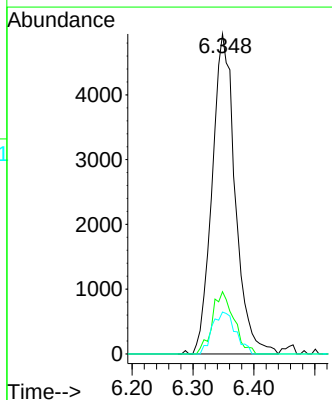
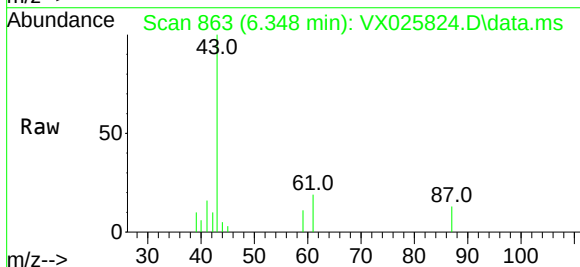
Ion	Ratio	Lower	Upper
41	100		
39	65.2	44.2	66.2
67	0.0	59.7	89.5#
52	0.0	24.2	36.2#

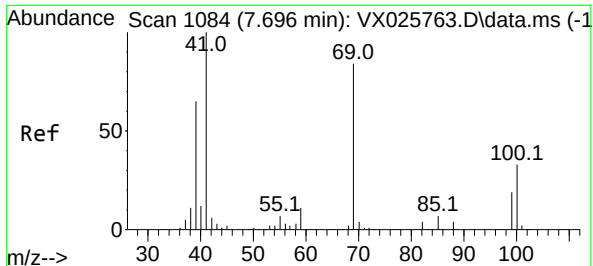


#43
Isopropyl Acetate
Concen: 3.083 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion: 43 Resp: 13004

Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.7	23.5
87	13.2	11.2	16.8





#48

Methyl methacrylate

Concen: 2.283 ug/l

RT: 7.598 min Scan# 1103

Delta R.T. -0.098 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#04

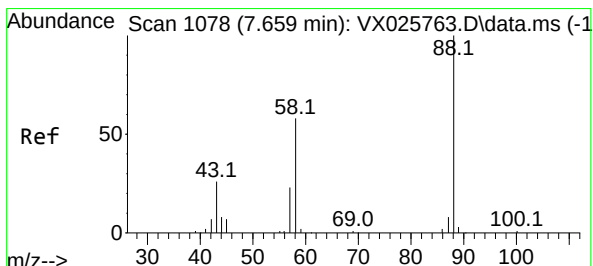
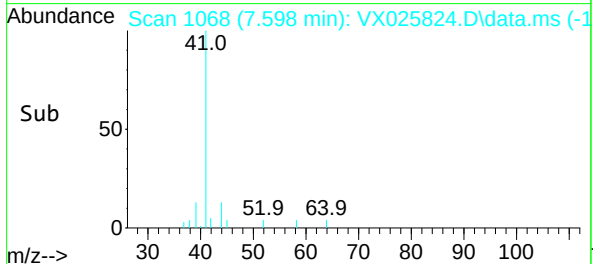
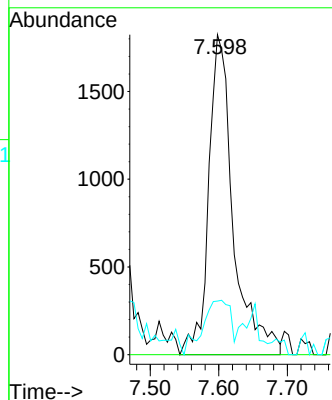
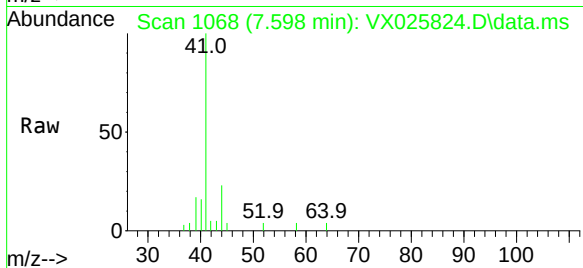
Tgt Ion: 41 Resp: 4535

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: 1.591 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.152 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

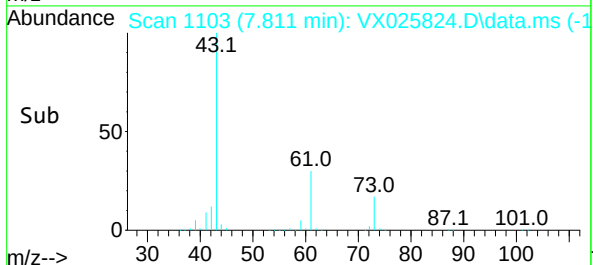
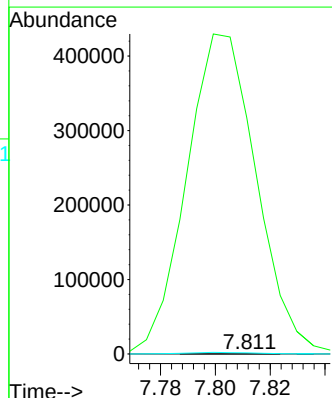
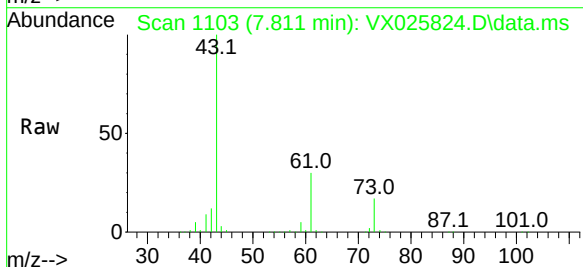
Tgt Ion: 88 Resp: 69

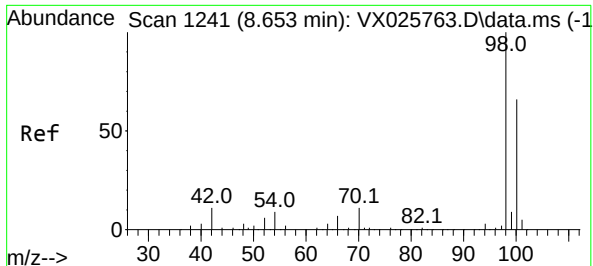
Ion Ratio Lower Upper

88 100

43 1115082.6 25.3 37.9#

58 5263.8 51.8 77.6#





#50

Toluene-d8

Concen: 47.629 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Instrument :

MSVOA_X

ClientSampleId :

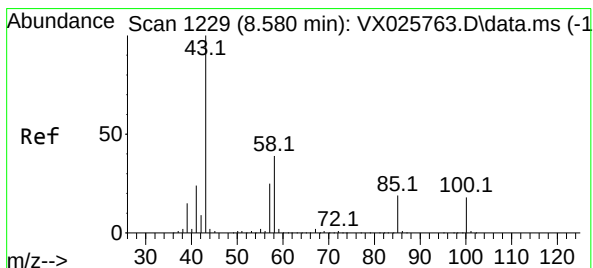
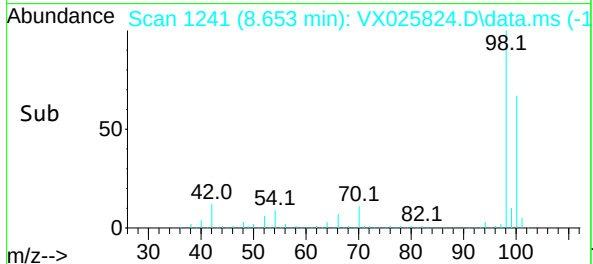
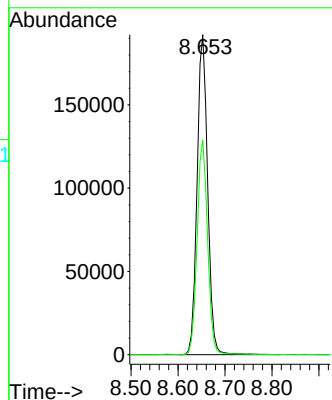
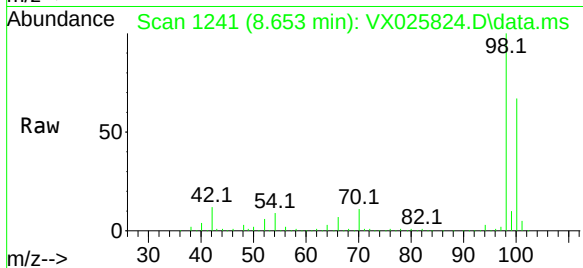
PB141382ZHE#04

Tgt Ion: 98 Resp: 301515

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 17.123 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX025824.D

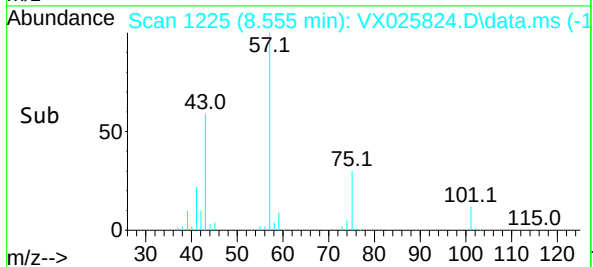
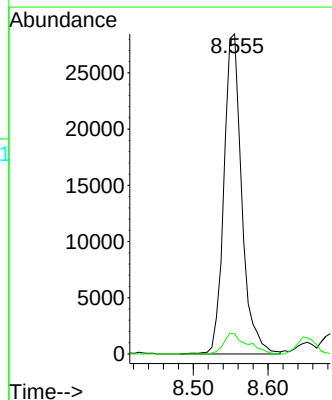
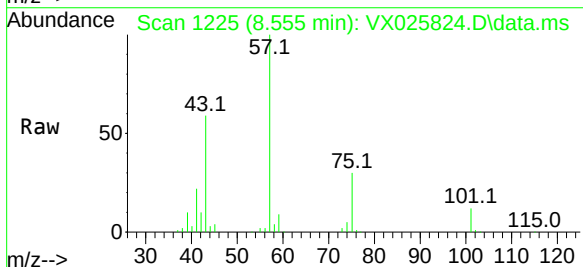
Acq: 15 Dec 2021 19:00

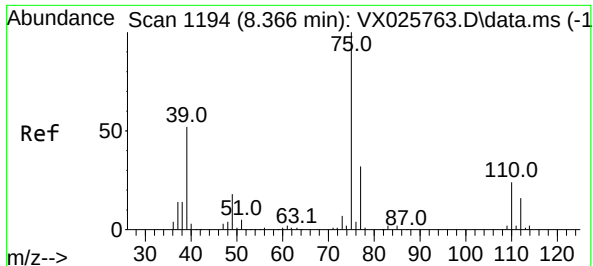
Tgt Ion: 43 Resp: 47274

Ion Ratio Lower Upper

43 100

58 8.5 30.8 46.2#

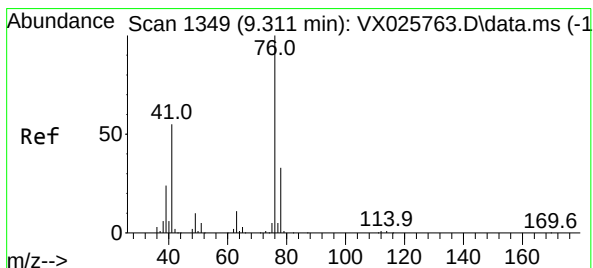
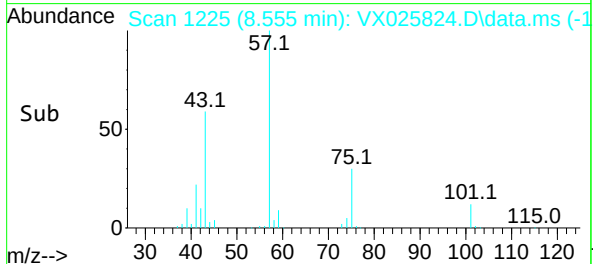
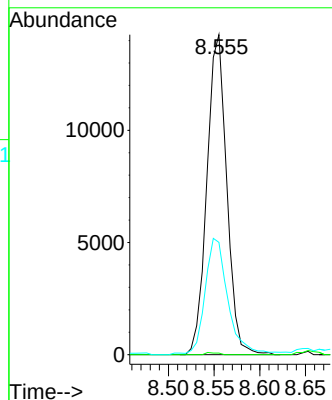
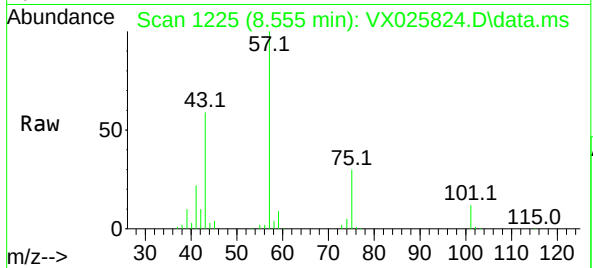




#54
 cis-1,3-Dichloropropene
 Concen: 7.586 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025824.D
 Acq: 15 Dec 2021 19:00

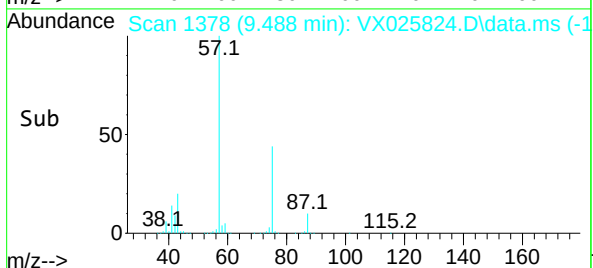
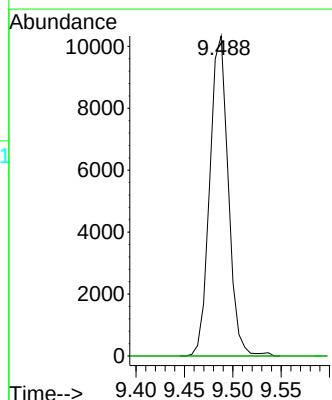
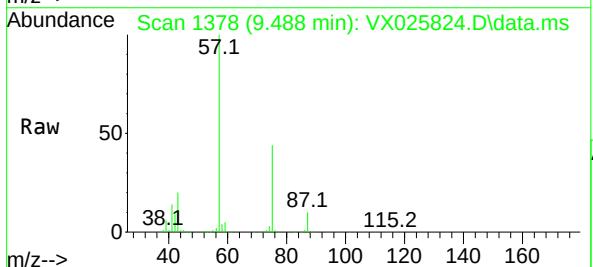
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#04

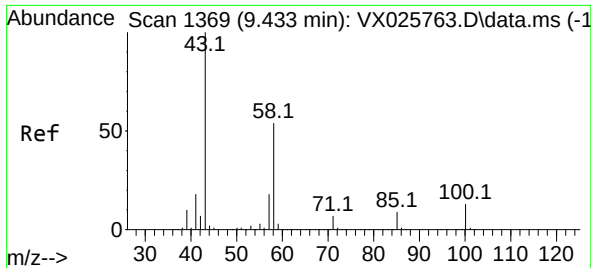
Tgt Ion: 75 Resp: 21507
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.6 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.372 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025824.D
 Acq: 15 Dec 2021 19:00

Tgt Ion: 76 Resp: 13773
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

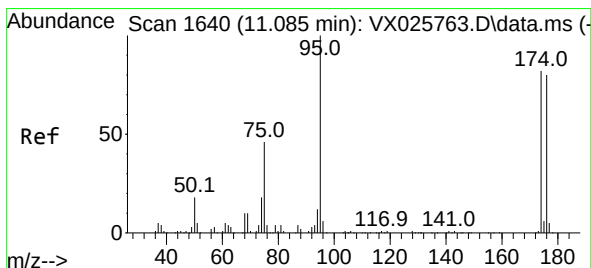
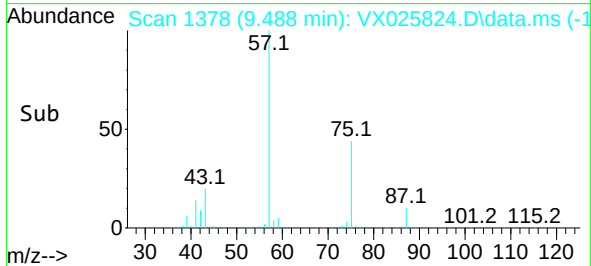
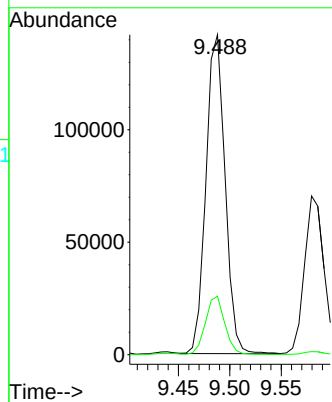
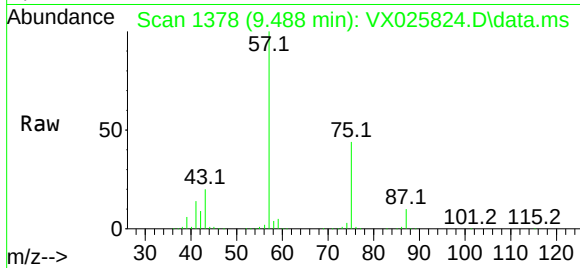




#59
2-Hexanone
Concen: 87.698 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

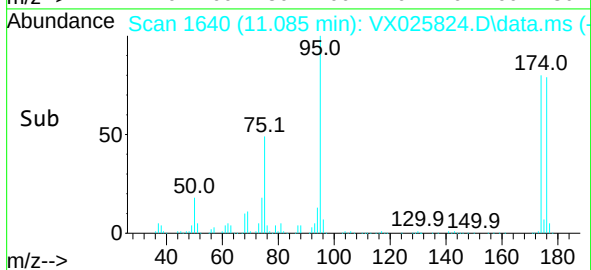
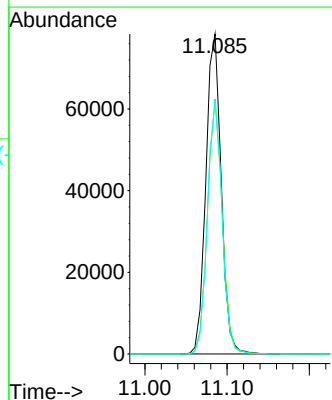
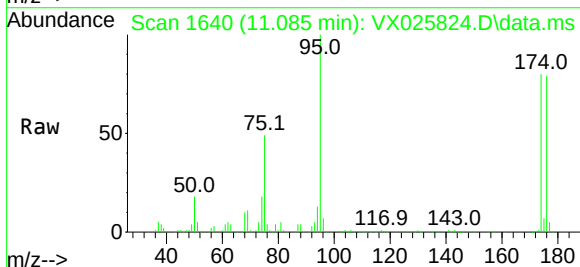
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

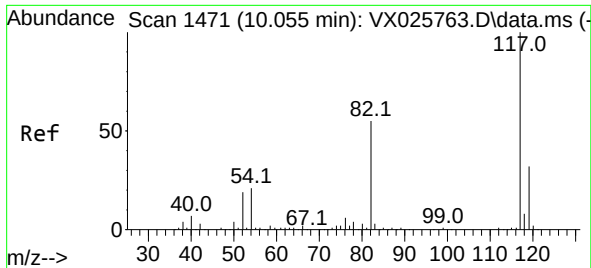
Tgt Ion: 43 Resp: 183451
Ion Ratio Lower Upper
43 100
58 18.8 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 42.191 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion: 95 Resp: 101456
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.4
176 76.1 0.0 154.6

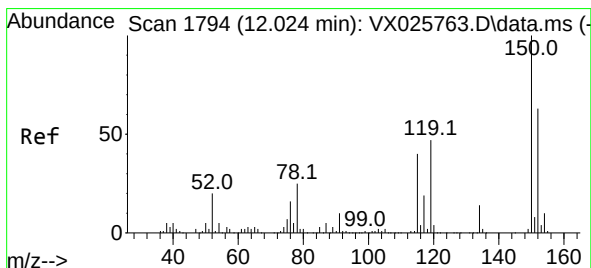
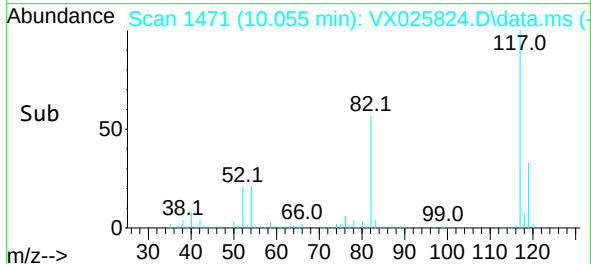
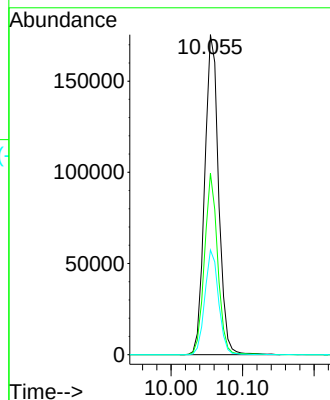
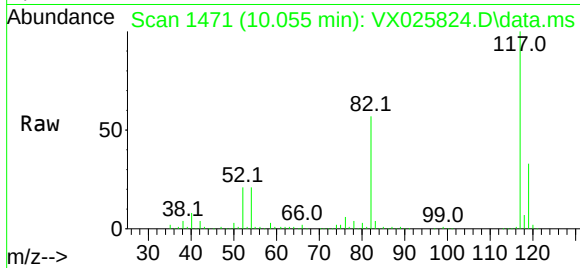




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

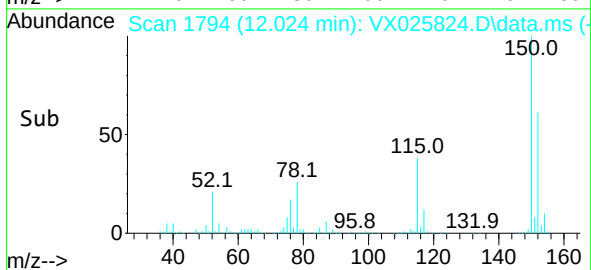
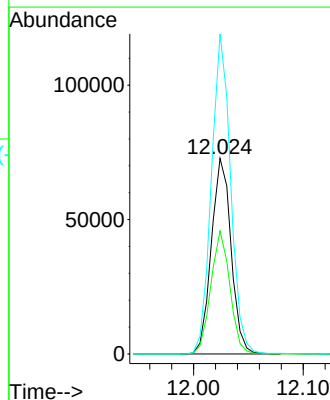
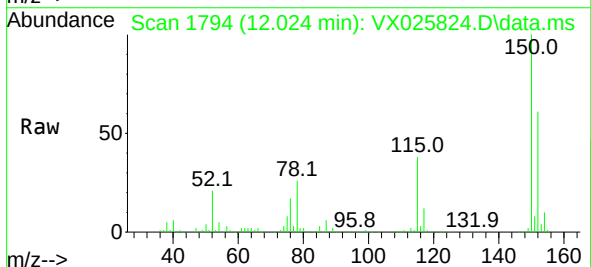
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#04

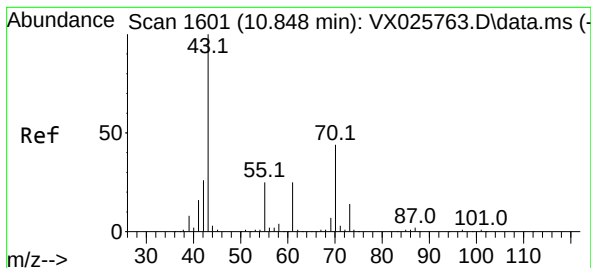
Tgt Ion:117 Resp: 237399
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.6
119 32.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025824.D
Acq: 15 Dec 2021 19:00

Tgt Ion:152 Resp: 91140
Ion Ratio Lower Upper
152 100
115 60.8 41.3 123.9
150 159.5 0.0 351.8





#74

N-amy1 acetate

Concen: 0.239 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX025824.D

Acq: 15 Dec 2021 19:00

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#04

Tgt Ion: 43 Resp: 635

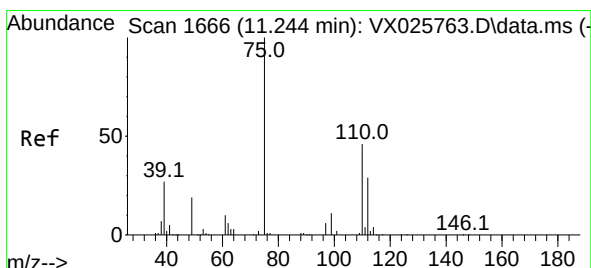
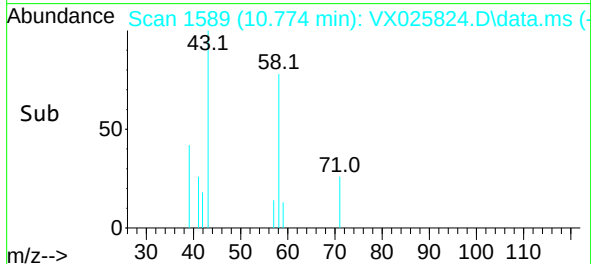
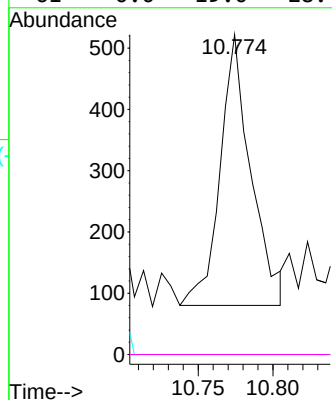
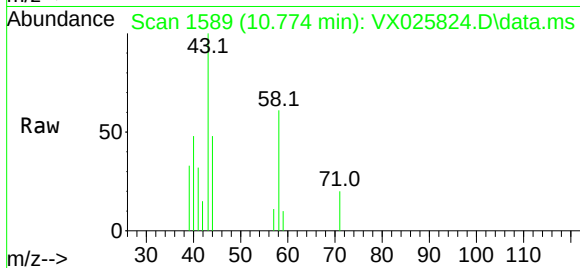
Ion Ratio Lower Upper

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: 24.669 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX025824.D

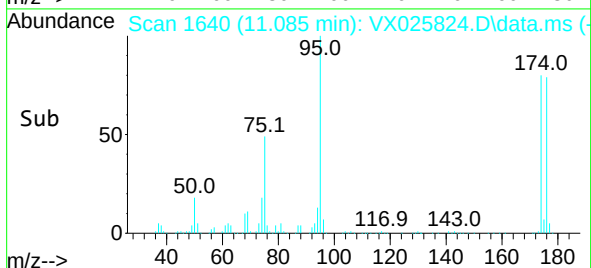
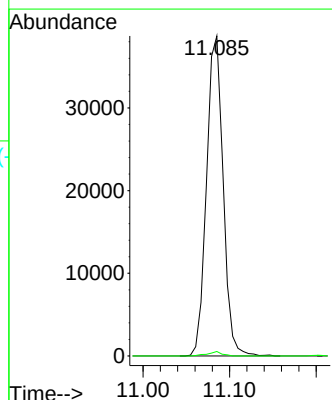
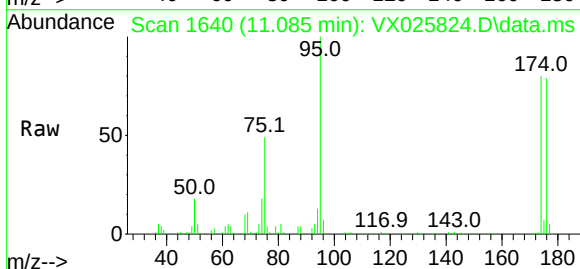
Acq: 15 Dec 2021 19:00

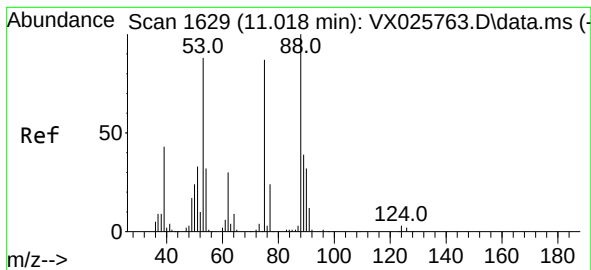
Tgt Ion: 75 Resp: 51513

Ion Ratio Lower Upper

75 100

77 1.2 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.480 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX025824.D
 Acq: 15 Dec 2021 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#04

Tgt Ion: 75 Resp: 51513
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.1 38.3 57.5#

