

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043337.D
 Acq On : 09 Oct 2024 14:22
 Operator : JC/MD
 Sample : PB163972ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB163972ZHE#06

Quant Time: Oct 10 01:31:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58033	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71747	52.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.360%	
35) Dibromofluoromethane	5.385	113	50988	47.430	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.860%	
50) Toluene-d8	8.647	98	182812	49.071	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.140%	
62) 4-Bromofluorobenzene	11.079	95	65407	48.327	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.660%	

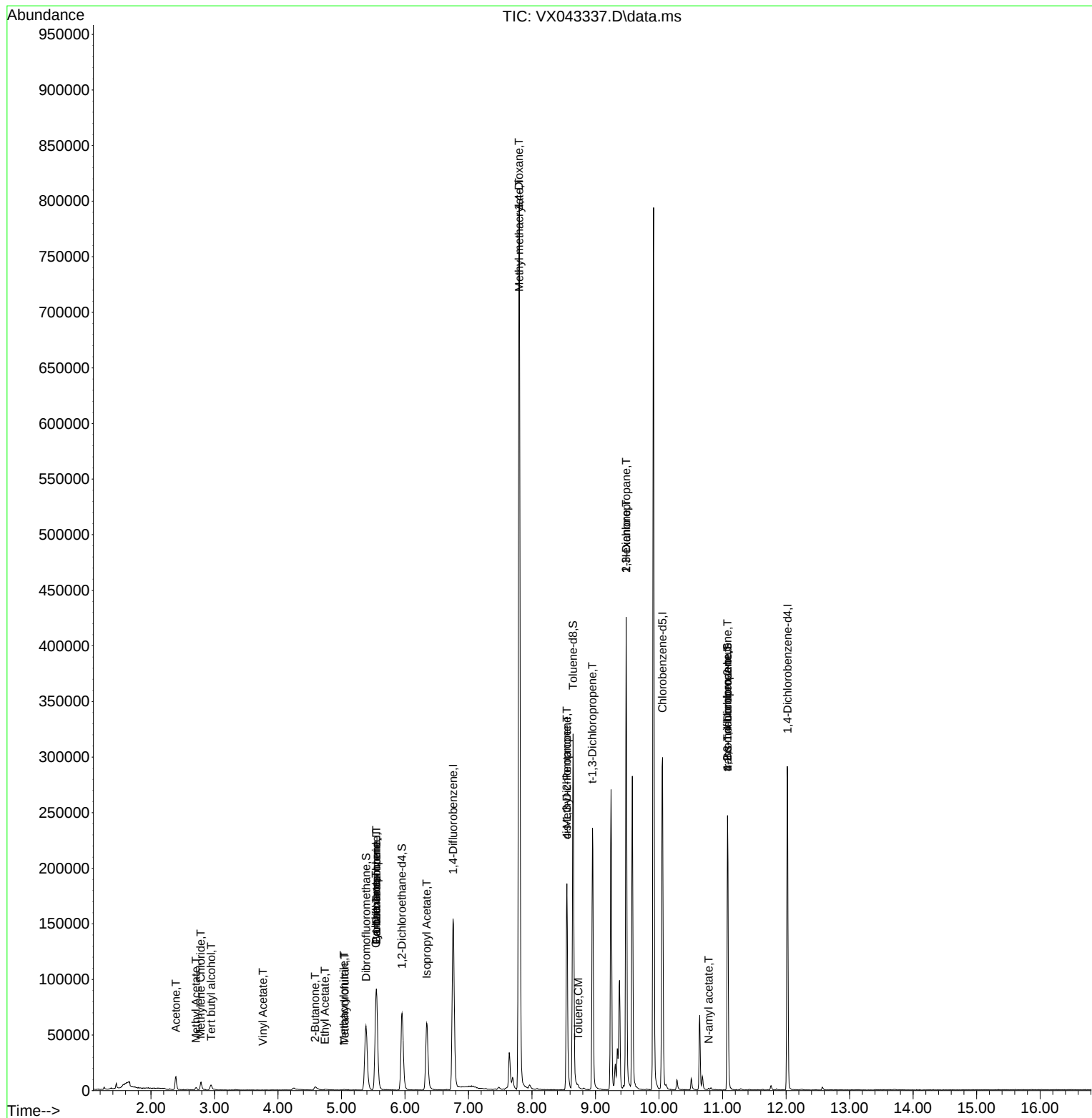
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	2923	11.279	ug/l #	71
16) Acetone	2.392	43	14877	26.159	ug/l	99
18) Methyl Acetate	2.709	43	2959	2.074	ug/l	90
20) Methylene Chloride	2.782	84	3596	3.429	ug/l #	92
23) Vinyl Acetate	3.764	43	64	6.358	ug/l #	71
25) 2-Butanone	4.587	43	5880	7.541	ug/l	94
29) Tetrahydrofuran	5.050	42	492	0.990	ug/l #	52
31) Cyclohexane	5.544	56	2163	1.472	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	7376	5.431	ug/l #	50
37) Ethyl Acetate	4.739	43	1061	0.651	ug/l #	70
38) Carbon Tetrachloride	5.550	117	9319	5.796	ug/l #	17
41) Methacrylonitrile	5.038	41	185	0.218	ug/l #	4
43) Isopropyl Acetate	6.342	43	86466	32.098	ug/l	99
48) Methyl methacrylate	7.799	41	75196	56.891	ug/l #	45
49) 1,4-Dioxane	7.793	88	127	4.943	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67646	41.346	ug/l #	50
52) Toluene	8.726	92	727	0.282	ug/l	91
53) t-1,3-Dichloropropene	8.952	75	517	0.327	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29227	17.226	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	3316	1.898	ug/l #	43
59) 2-Hexanone	9.482	43	53773	43.462	ug/l #	51
74) N-amyl acetate	10.781	43	703	0.328	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	36460	28.324	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	36460	73.407	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

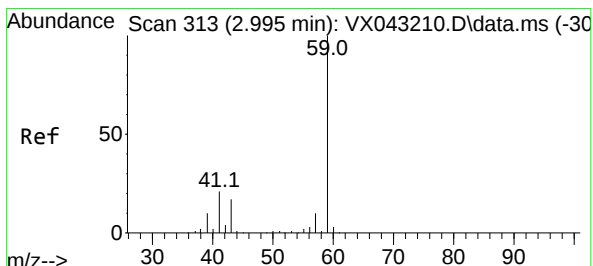
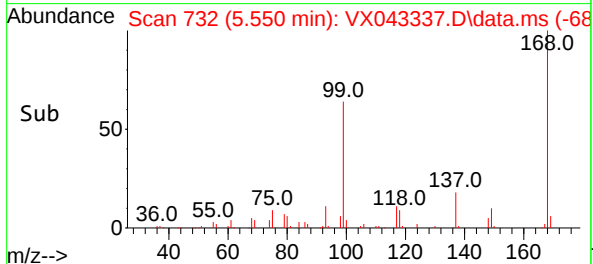
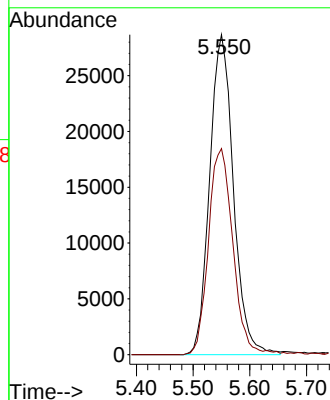
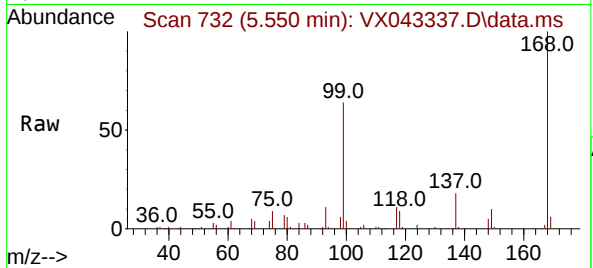




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

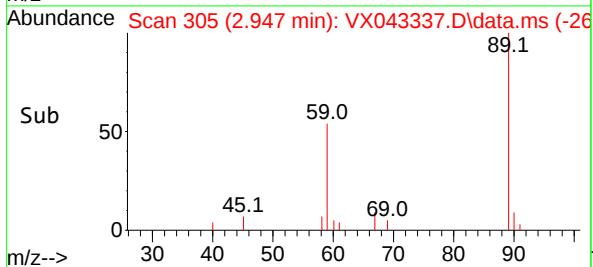
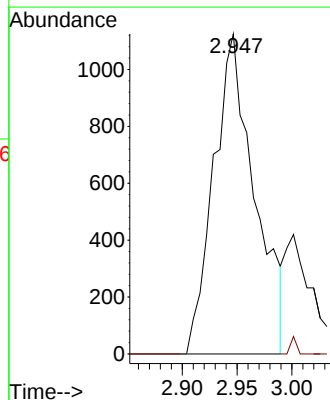
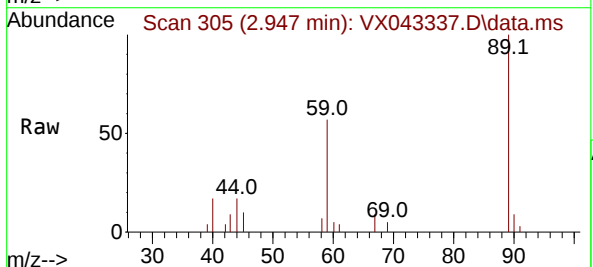
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

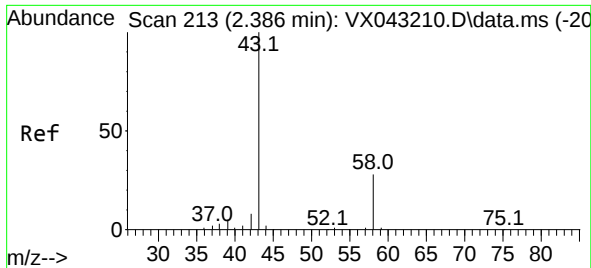
Tgt Ion:168 Resp: 83387
Ion Ratio Lower Upper
168 100
99 64.4 49.7 74.5



#11
Tert butyl alcohol
Concen: 11.279 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 59 Resp: 2923
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

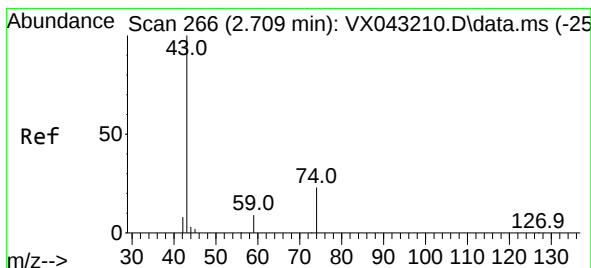
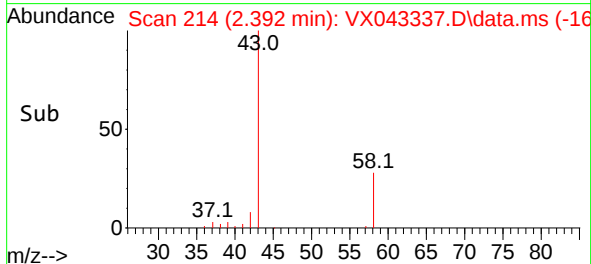
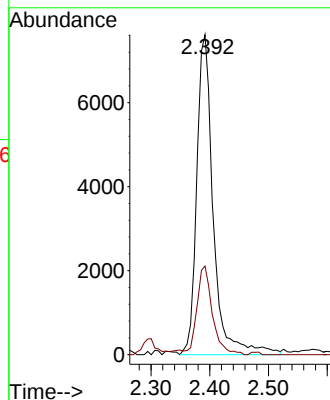
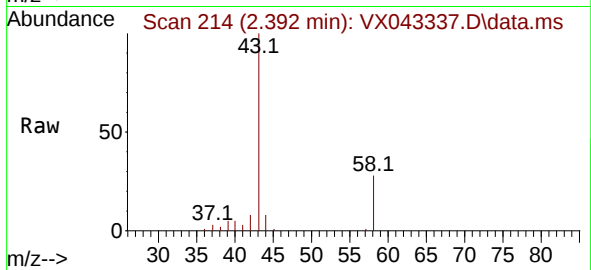




#16
Acetone
Concen: 26.159 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

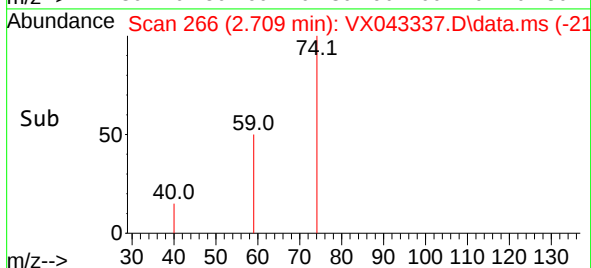
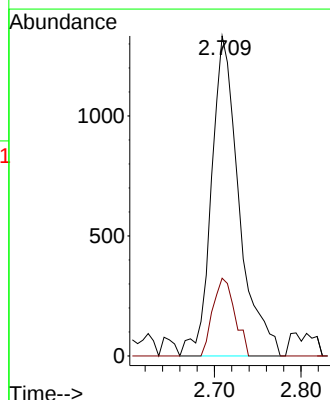
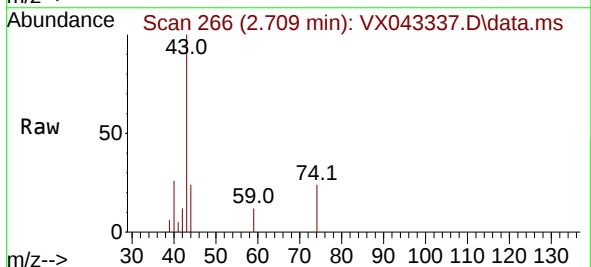
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

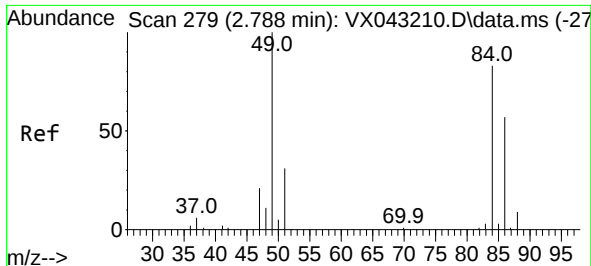
Tgt Ion: 43 Resp: 14877
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#18
Methyl Acetate
Concen: 2.074 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

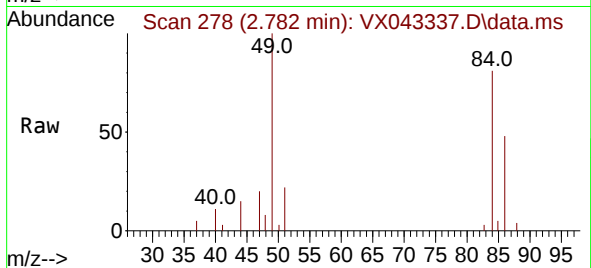
Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
74 19.2 19.1 28.7



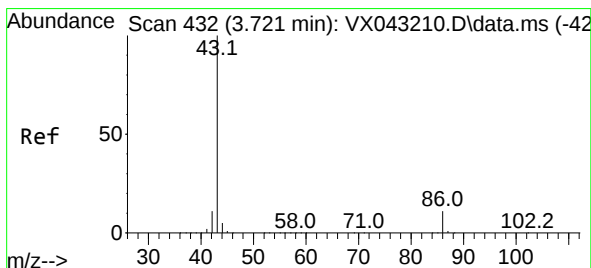
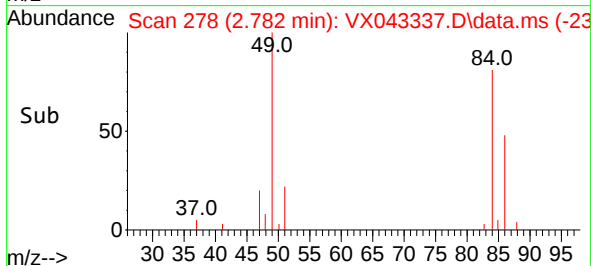
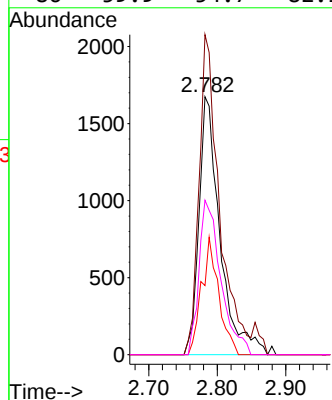


#20
Methylene Chloride
Concen: 3.429 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

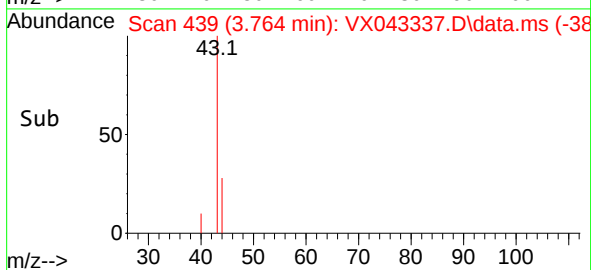
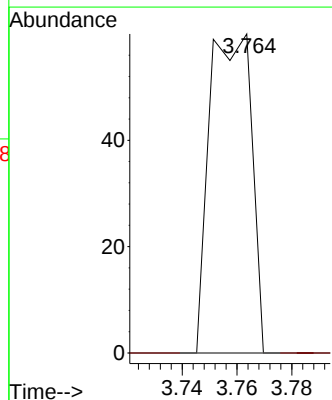
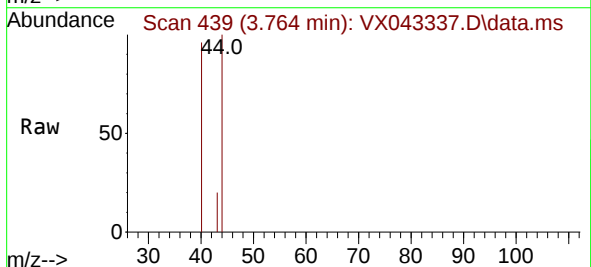


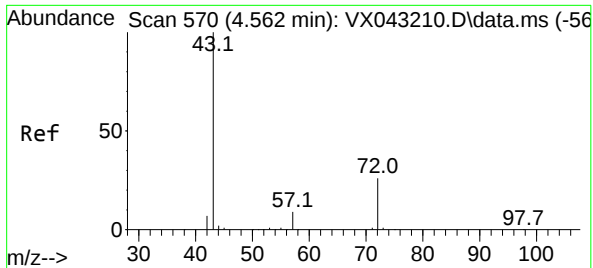
Tgt Ion:	84	Resp:	3596
Ion	Ratio	Lower	Upper
84	100		
49	124.1	96.7	145.1
51	26.8	30.4	45.6#
86	59.9	54.7	82.1



#23
Vinyl Acetate
Concen: 6.358 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion:	43	Resp:	64
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

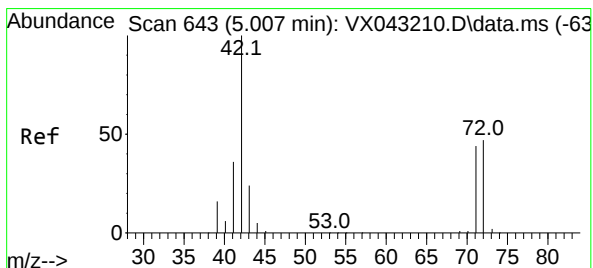
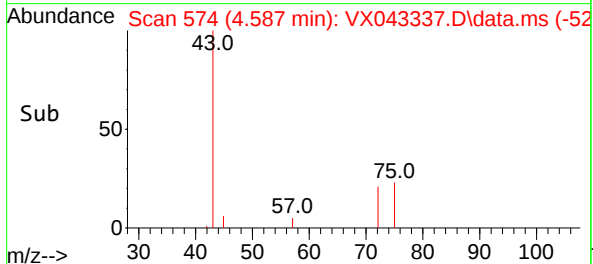
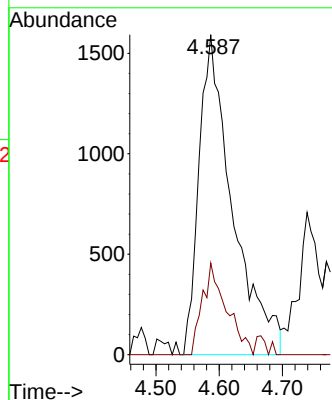
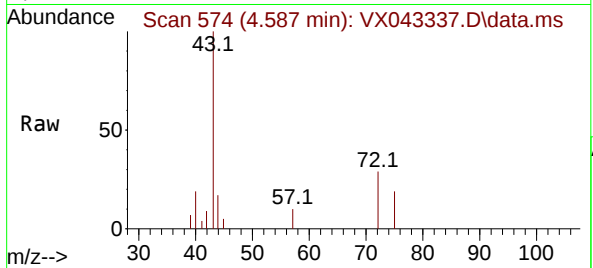




#25
2-Butanone
Concen: 7.541 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

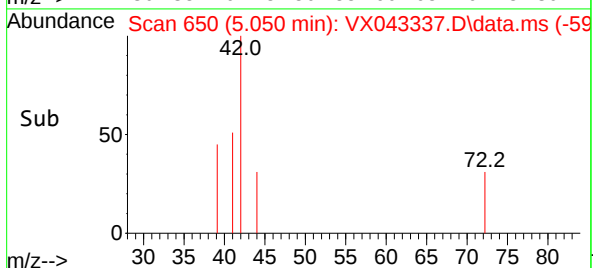
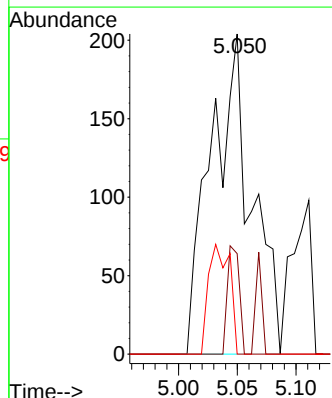
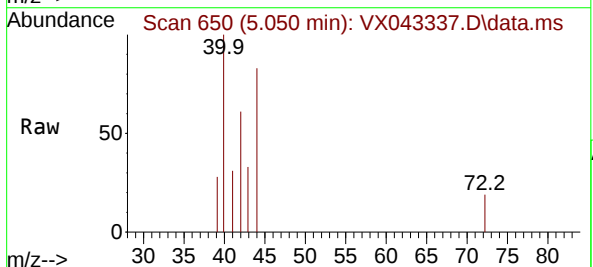
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

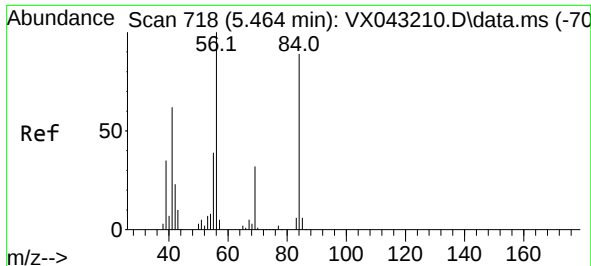
Tgt Ion: 43 Resp: 5880
Ion Ratio Lower Upper
43 100
72 28.6 20.6 31.0



#29
Tetrahydrofuran
Concen: 0.990 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

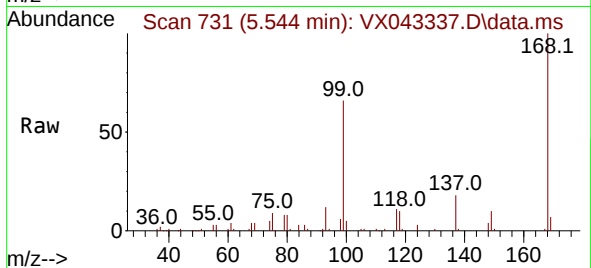
Tgt Ion: 42 Resp: 492
Ion Ratio Lower Upper
42 100
72 10.0 37.7 56.5#
71 17.9 34.6 52.0#



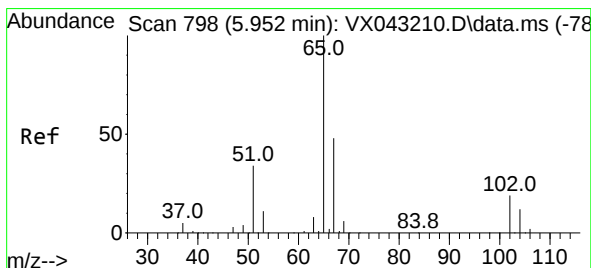
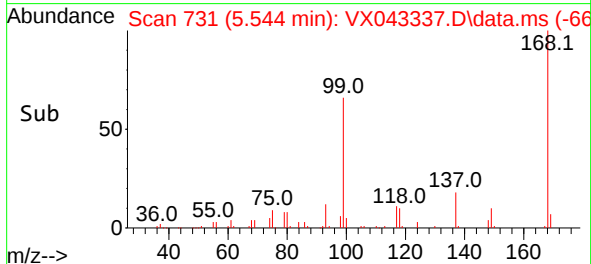
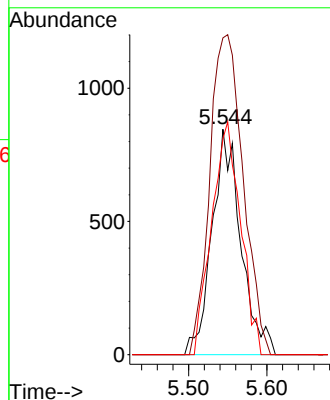


#31
Cyclohexane
Concen: 1.472 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

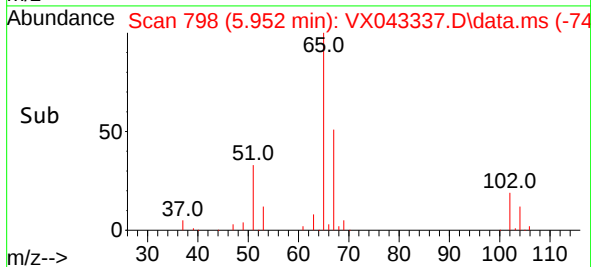
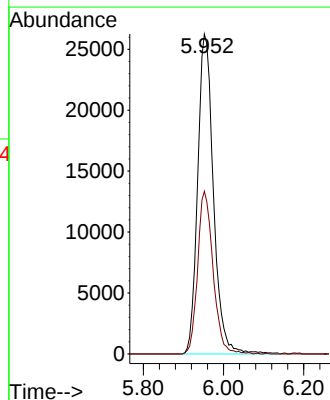
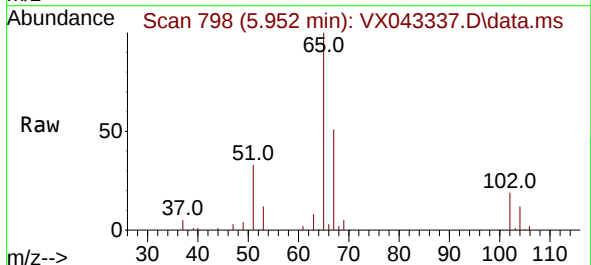


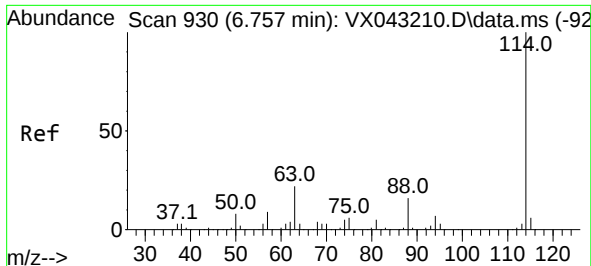
Tgt Ion: 56 Resp: 2163
Ion Ratio Lower Upper
56 100
69 140.5 25.8 38.6#
84 95.7 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 52.684 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 65 Resp: 71747
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

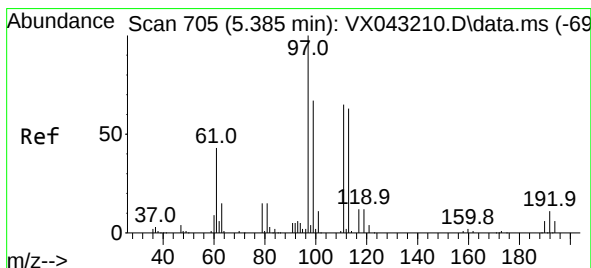
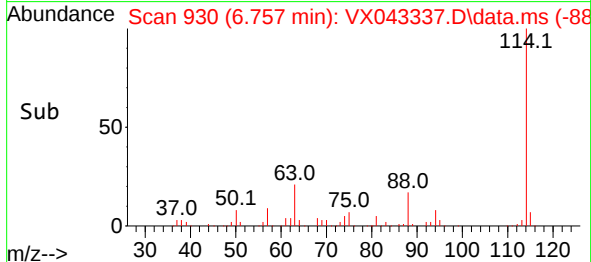
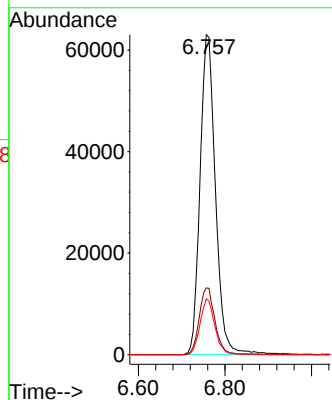
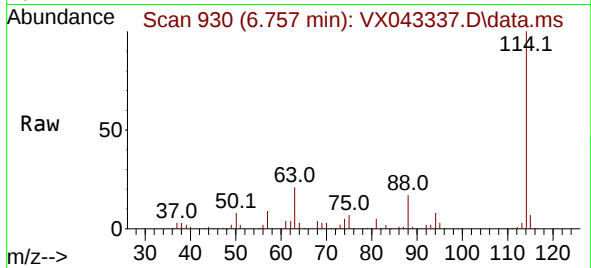




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

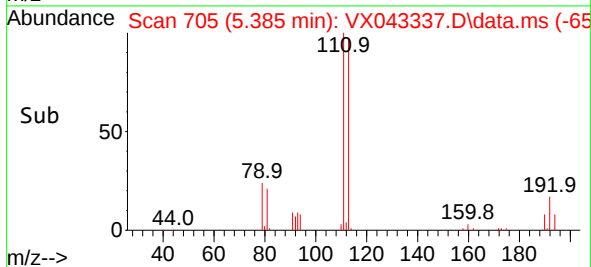
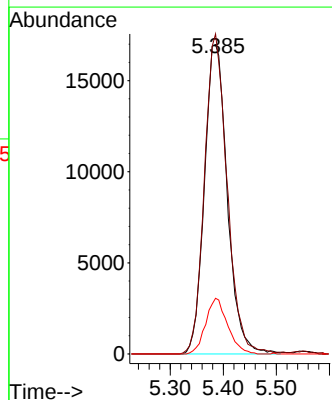
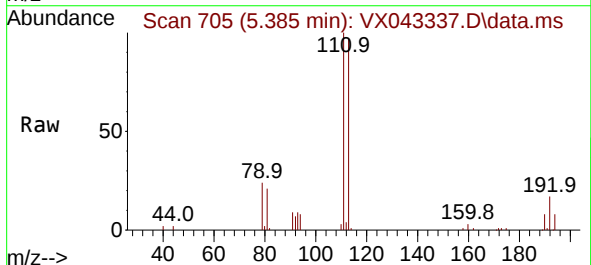
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

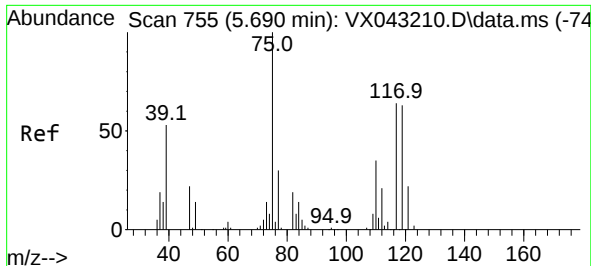
Tgt Ion:114 Resp: 155882
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.0
88 17.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.430 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion:113 Resp: 50988
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 17.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.431 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043337.D

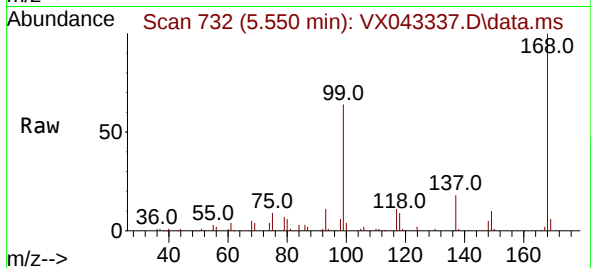
Acq: 09 Oct 2024 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB163972ZHE#06



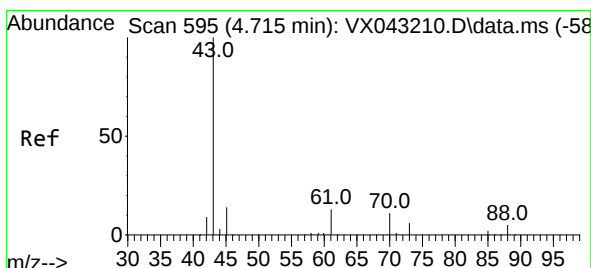
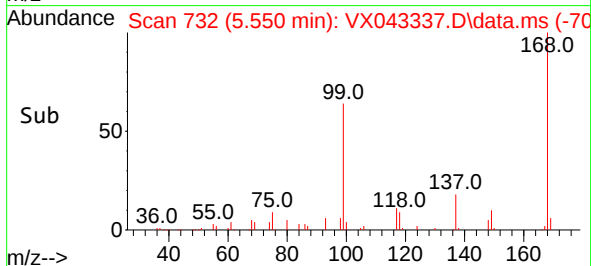
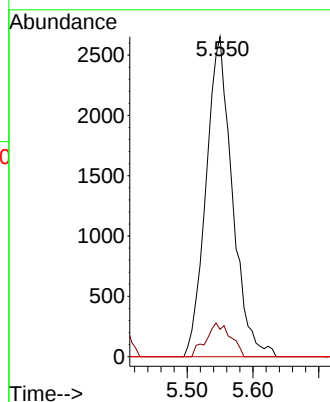
Tgt Ion: 75 Resp: 7376

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.651 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

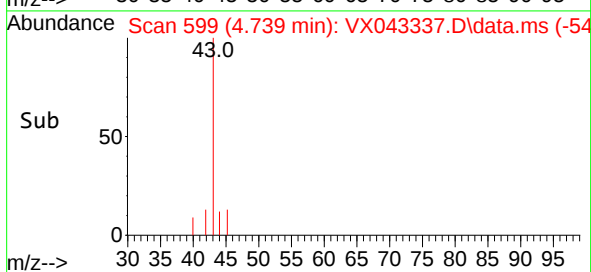
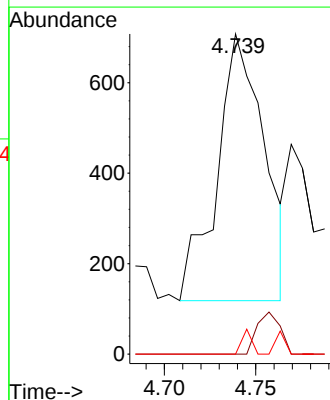
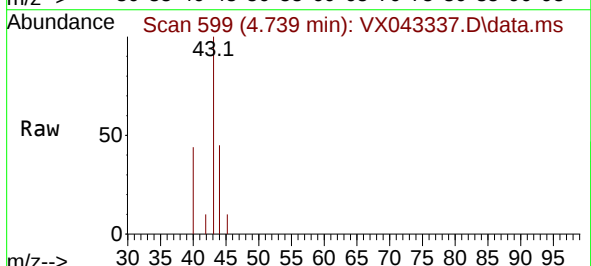
Tgt Ion: 43 Resp: 1061

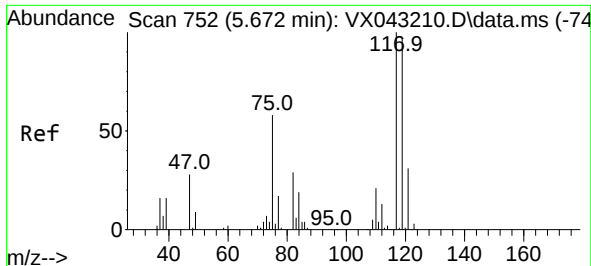
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

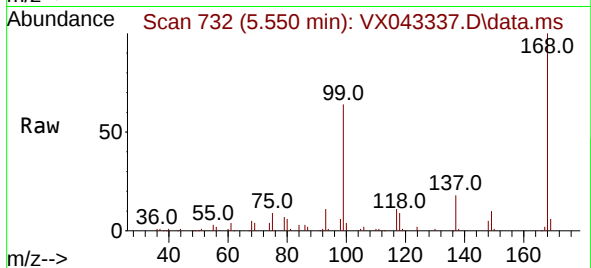
70 1.9 8.9 13.3#



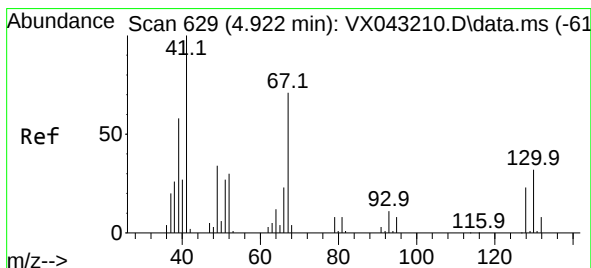
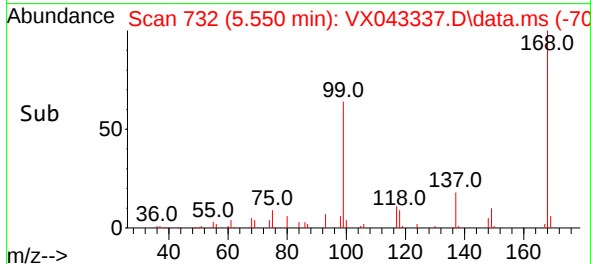
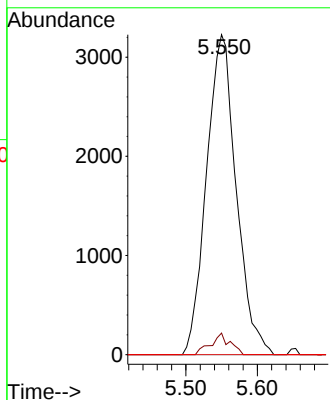


#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

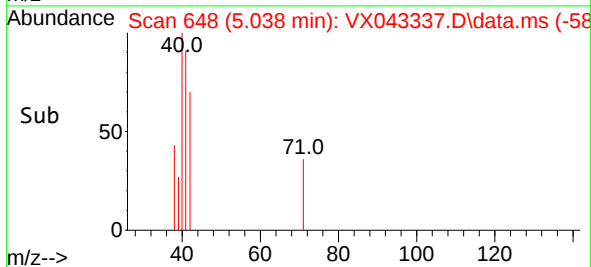
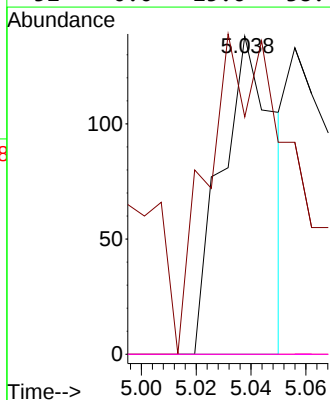
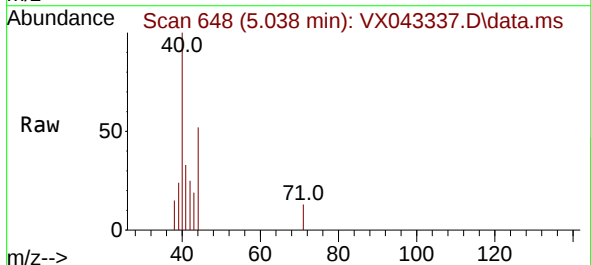


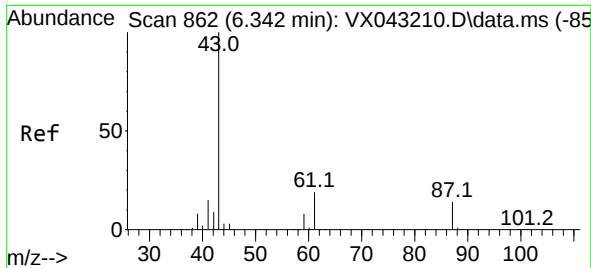
Tgt Ion:117 Resp: 9319
Ion Ratio Lower Upper
117 100
119 6.8 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 41 Resp: 185
Ion Ratio Lower Upper
41 100
39 151.9 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

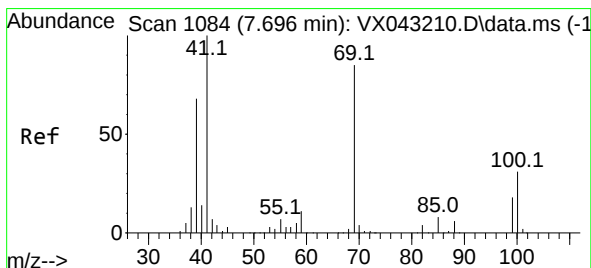
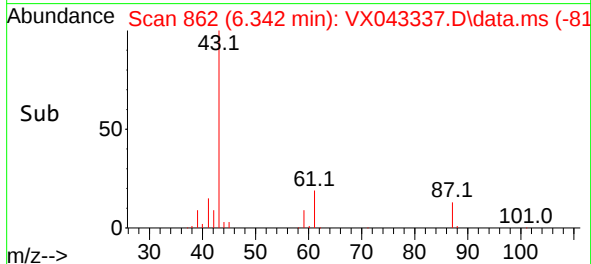
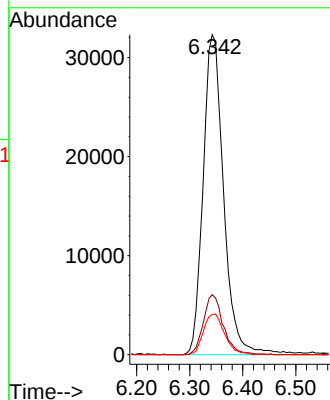
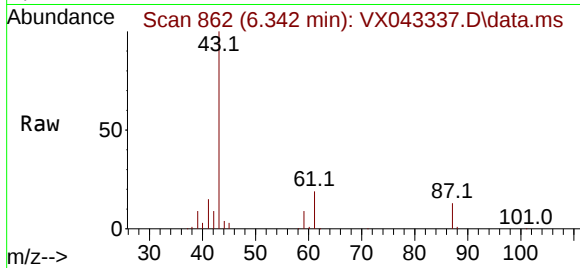




#43
Isopropyl Acetate
Concen: 32.098 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

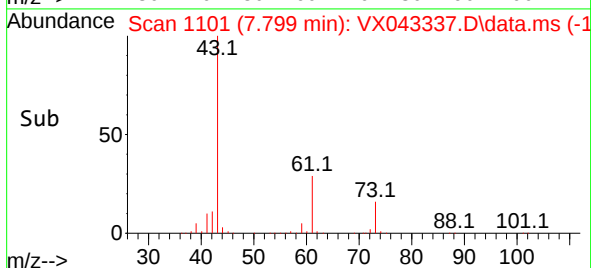
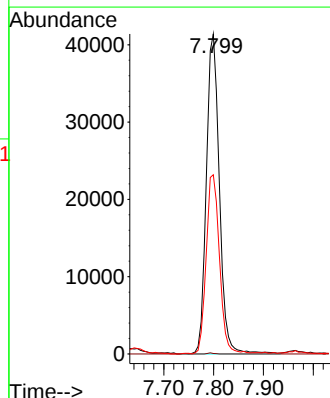
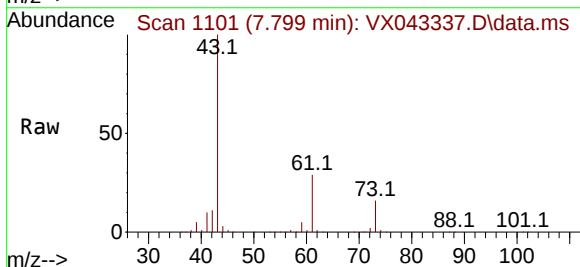
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

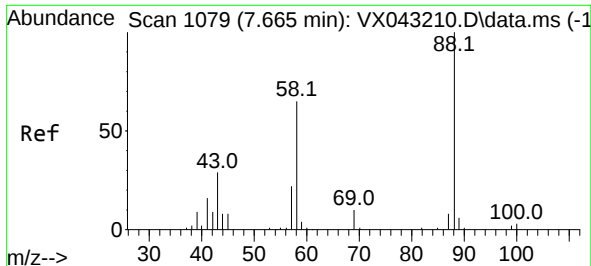
Tgt Ion: 43 Resp: 86466
Ion Ratio Lower Upper
43 100
61 18.1 15.1 22.7
87 13.1 10.8 16.2



#48
Methyl methacrylate
Concen: 56.891 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 41 Resp: 75196
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 57.4 52.8 79.2

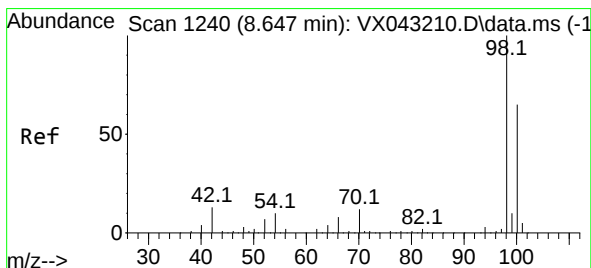
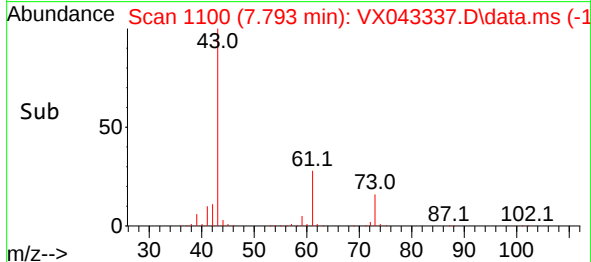
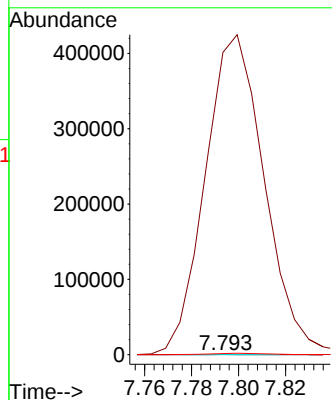
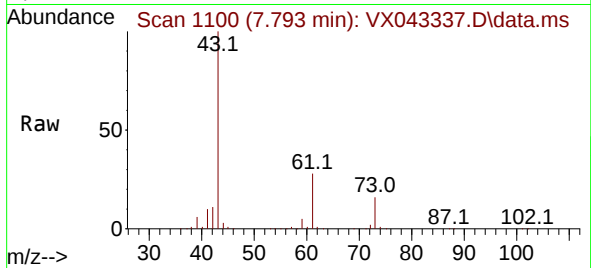




#49
1,4-Dioxane
Concen: 4.943 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

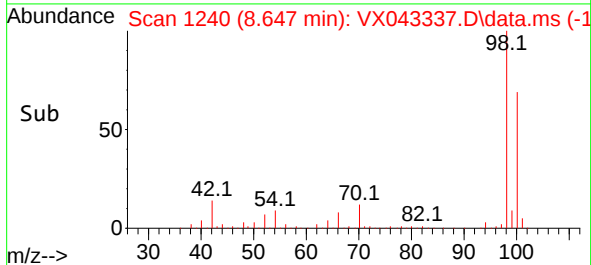
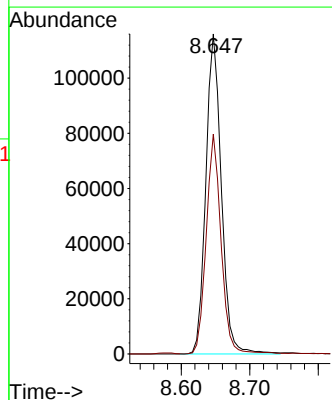
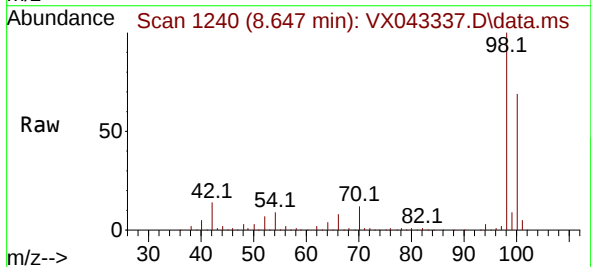
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

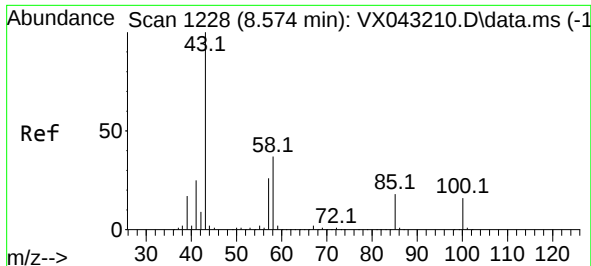
Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 595343.3 29.5 44.3#
58 2518.1 55.2 82.8#



#50
Toluene-d8
Concen: 49.071 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 98 Resp: 182812
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

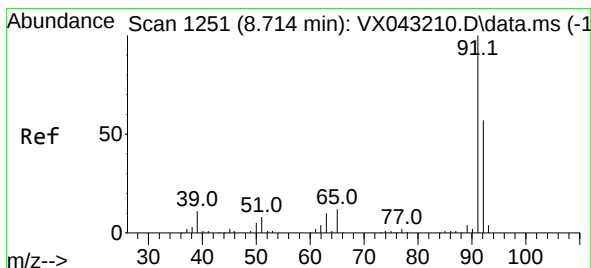
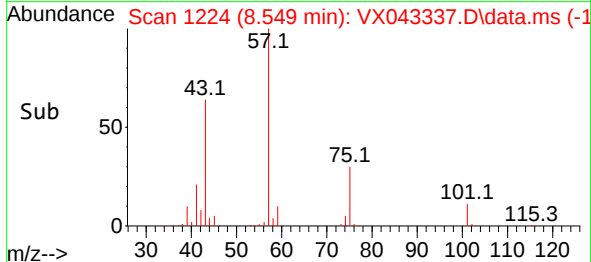
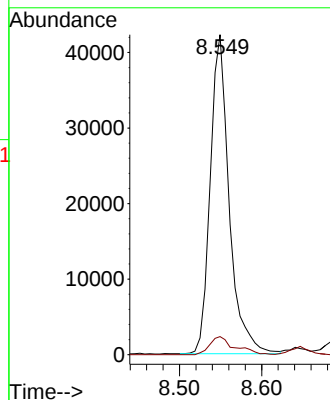
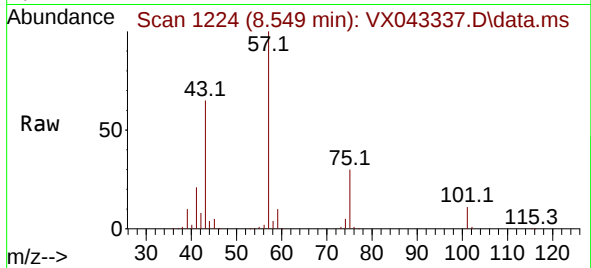




#51
4-Methyl-2-Pentanone
Concen: 41.346 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

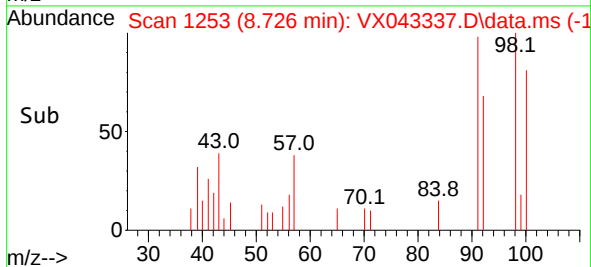
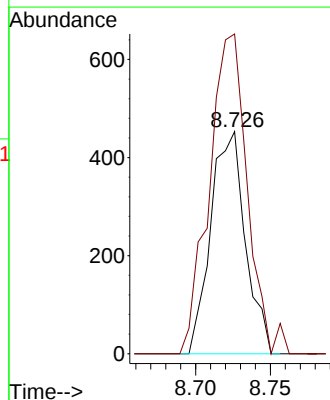
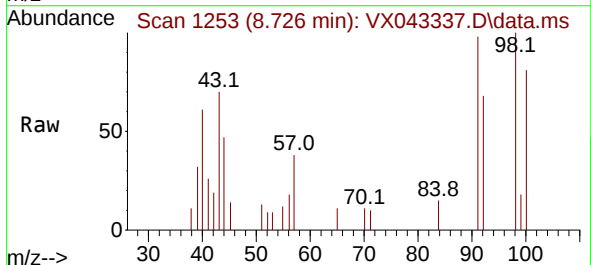
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

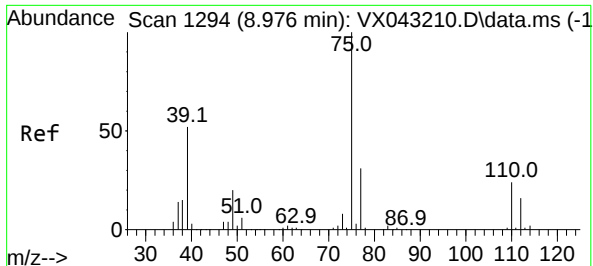
Tgt Ion: 43 Resp: 67646
Ion Ratio Lower Upper
43 100
58 7.4 30.0 45.0#



#52
Toluene
Concen: 0.282 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 92 Resp: 727
Ion Ratio Lower Upper
92 100
91 159.3 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 0.327 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

Instrument :

MSVOA_X

ClientSampleId :

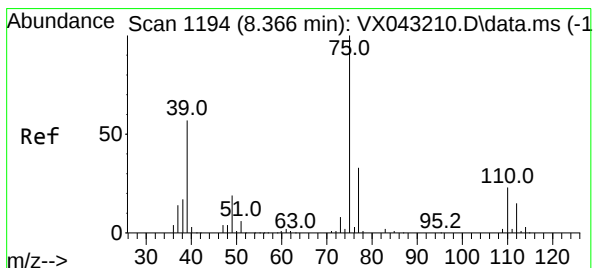
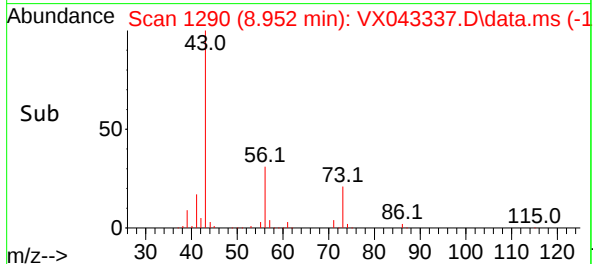
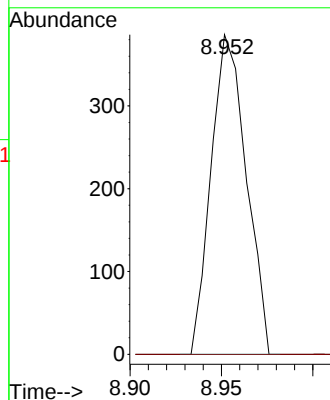
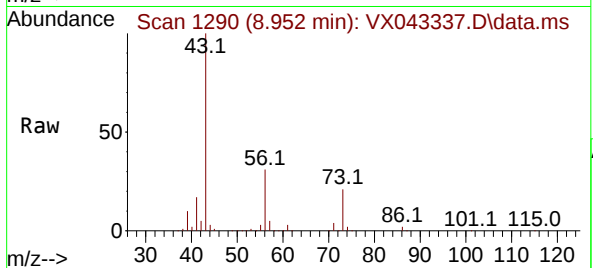
PB163972ZHE#06

Tgt Ion: 75 Resp: 517

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 17.226 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

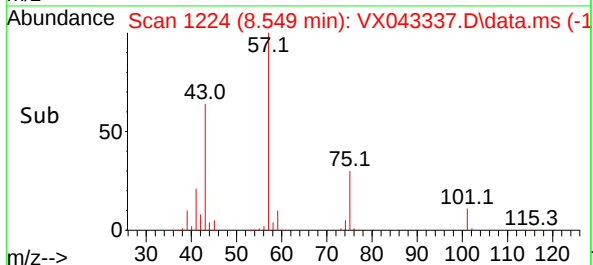
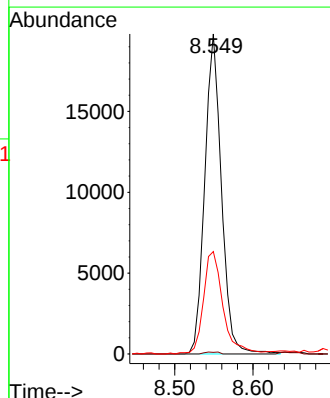
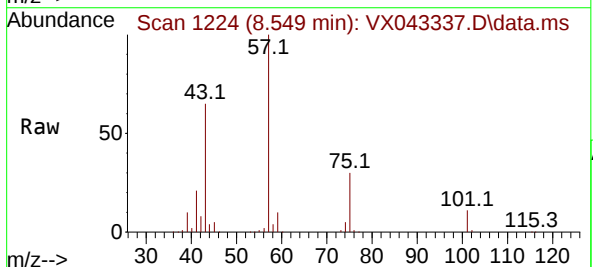
Tgt Ion: 75 Resp: 29227

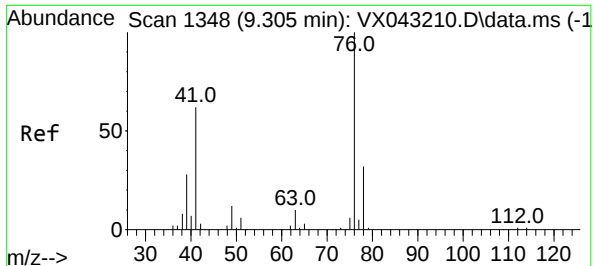
Ion Ratio Lower Upper

75 100

77 0.5 26.0 39.0#

39 31.6 45.8 68.8#

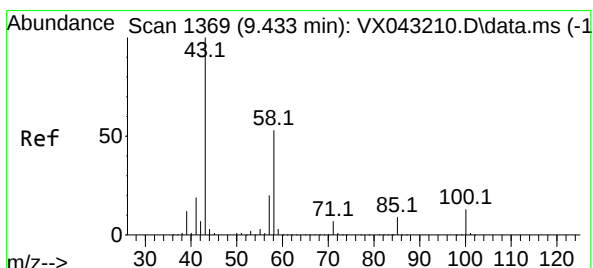
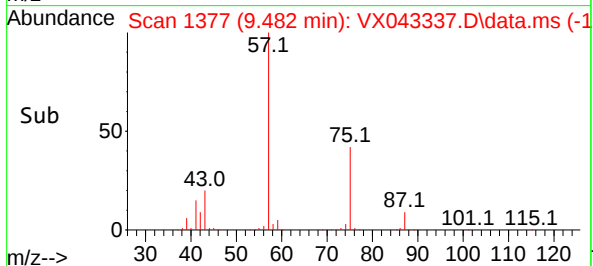
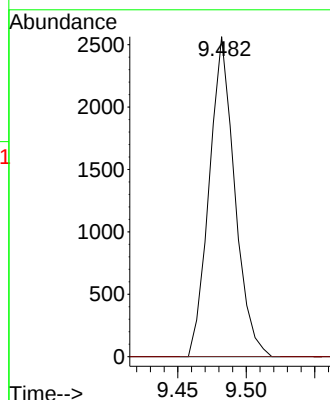
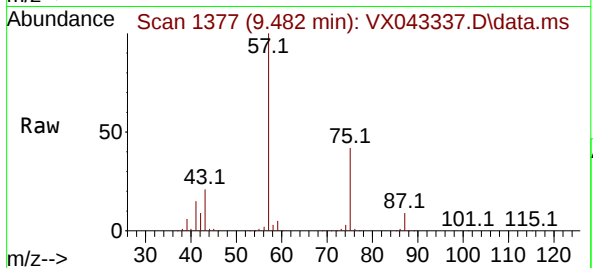




#57
1,3-Dichloropropane
Concen: 1.898 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

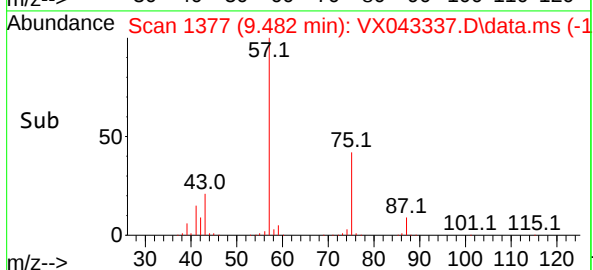
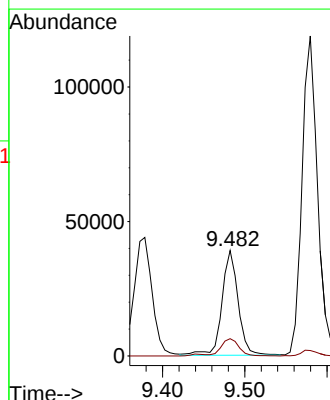
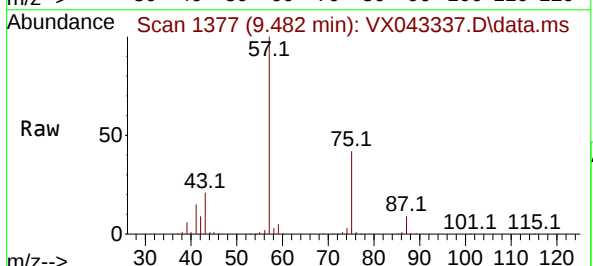
Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

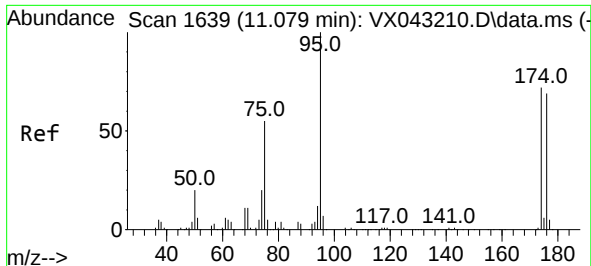
Tgt Ion: 76 Resp: 3316
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 43.462 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 43 Resp: 53773
Ion Ratio Lower Upper
43 100
58 17.7 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 48.327 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB163972ZHE#06

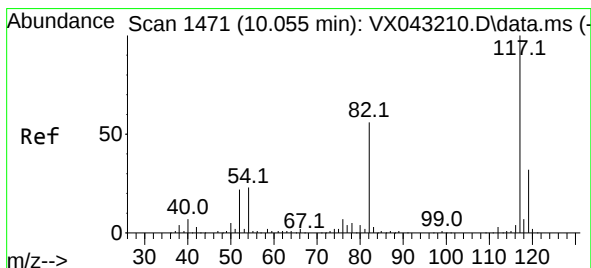
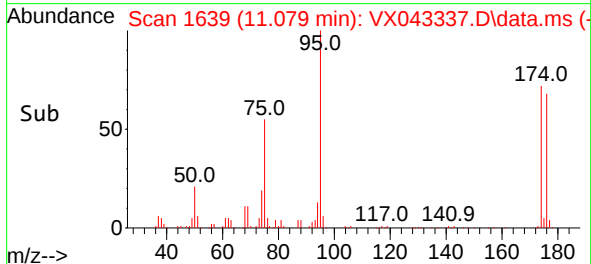
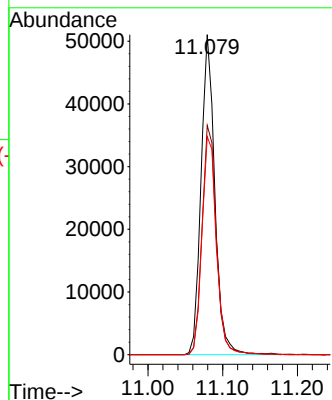
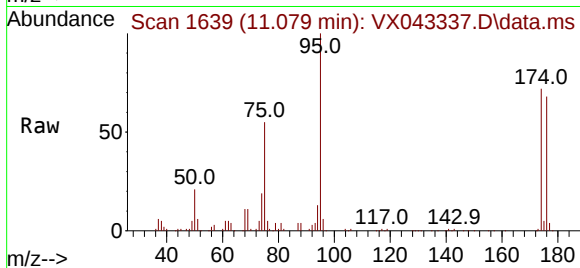
Tgt Ion: 95 Resp: 65407

Ion Ratio Lower Upper

95 100

174 74.2 0.0 145.0

176 71.4 0.0 143.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

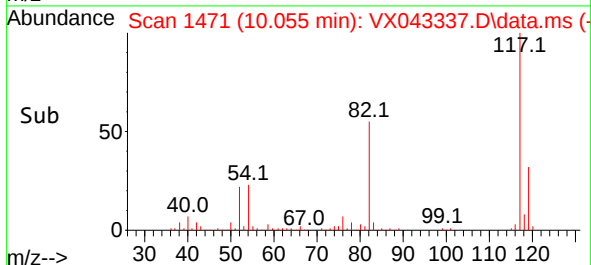
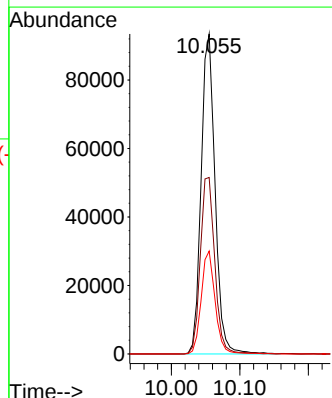
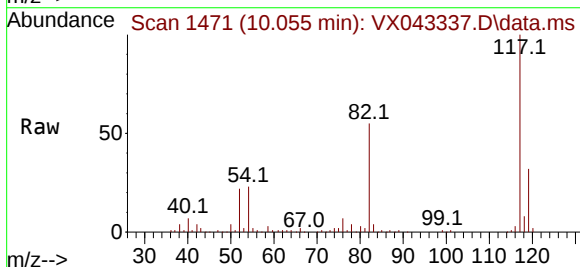
Tgt Ion: 117 Resp: 132559

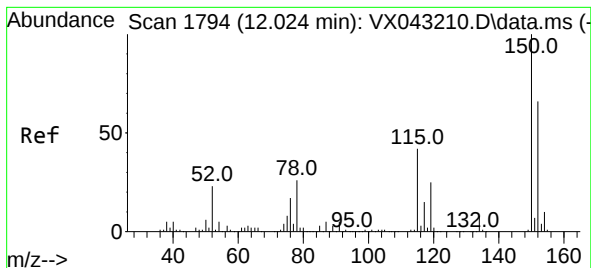
Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.6

119 32.2 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB163972ZHE#06

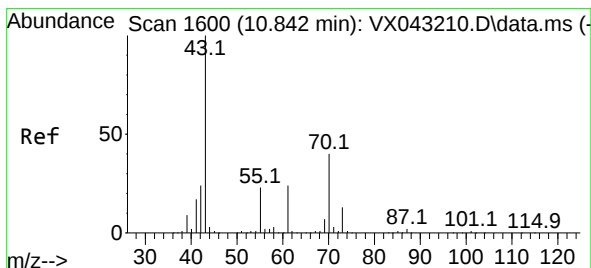
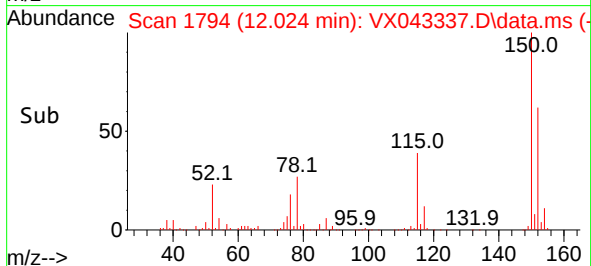
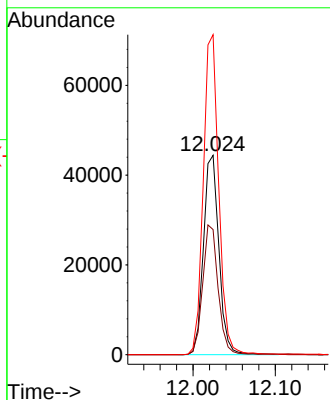
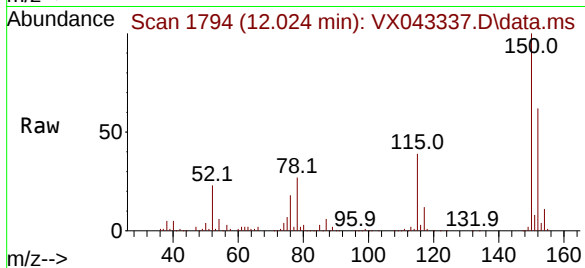
Tgt Ion:152 Resp: 58033

Ion Ratio Lower Upper

152 100

115 65.2 44.1 132.3

150 160.4 0.0 347.4



#74

N-ethyl acetate

Concen: 0.328 ug/l

RT: 10.781 min Scan# 1590

Delta R.T. -0.061 min

Lab File: VX043337.D

Acq: 09 Oct 2024 14:22

Tgt Ion: 43 Resp: 703

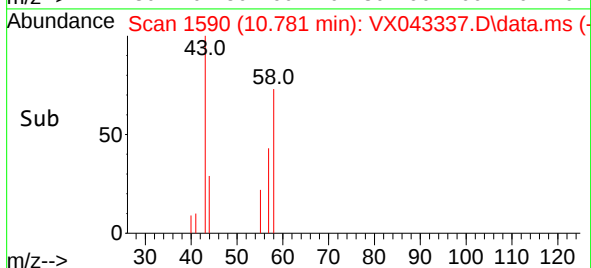
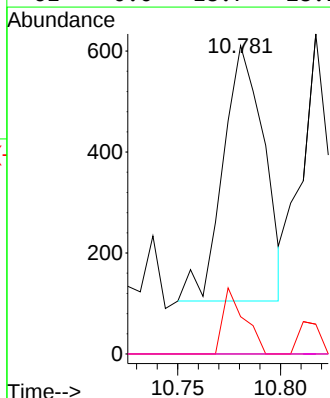
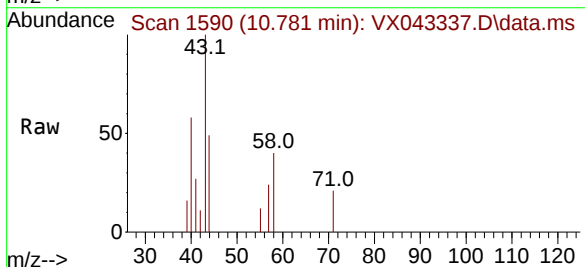
Ion Ratio Lower Upper

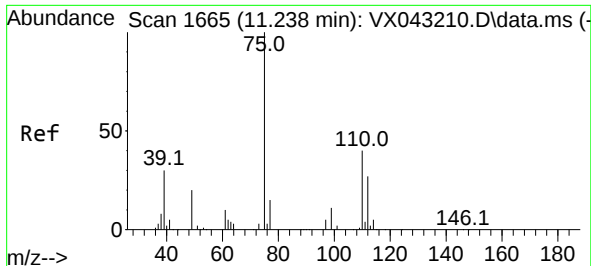
43 100

70 0.0 33.1 49.7#

55 13.5 18.6 27.8#

61 0.0 18.7 28.1#

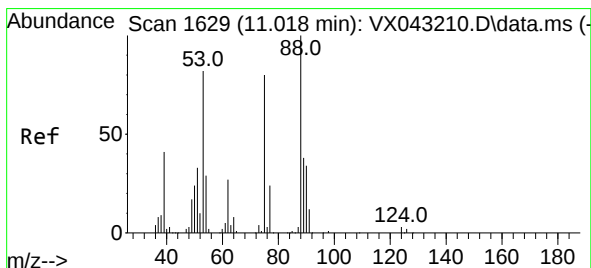
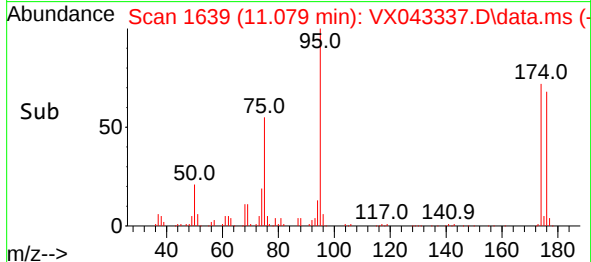
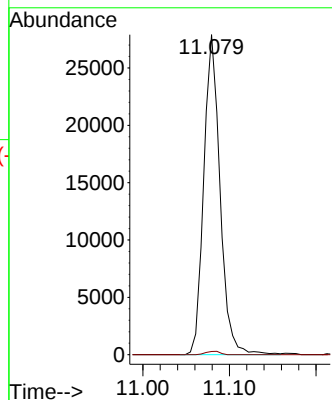
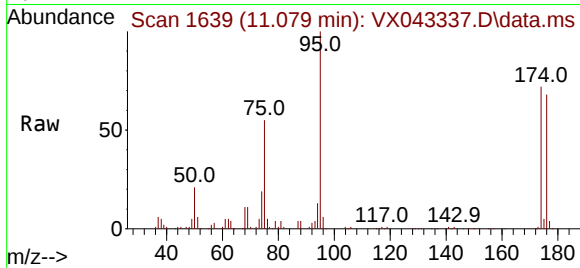




#76
1,2,3-Trichloropropane
Concen: 28.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :
PB163972ZHE#06

Tgt Ion: 75 Resp: 36460
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043337.D
Acq: 09 Oct 2024 14:22

Tgt Ion: 75 Resp: 36460
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

