

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043634.D
 Acq On : 30 Oct 2024 19:03
 Operator : JC/MD
 Sample : PB164501ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#12

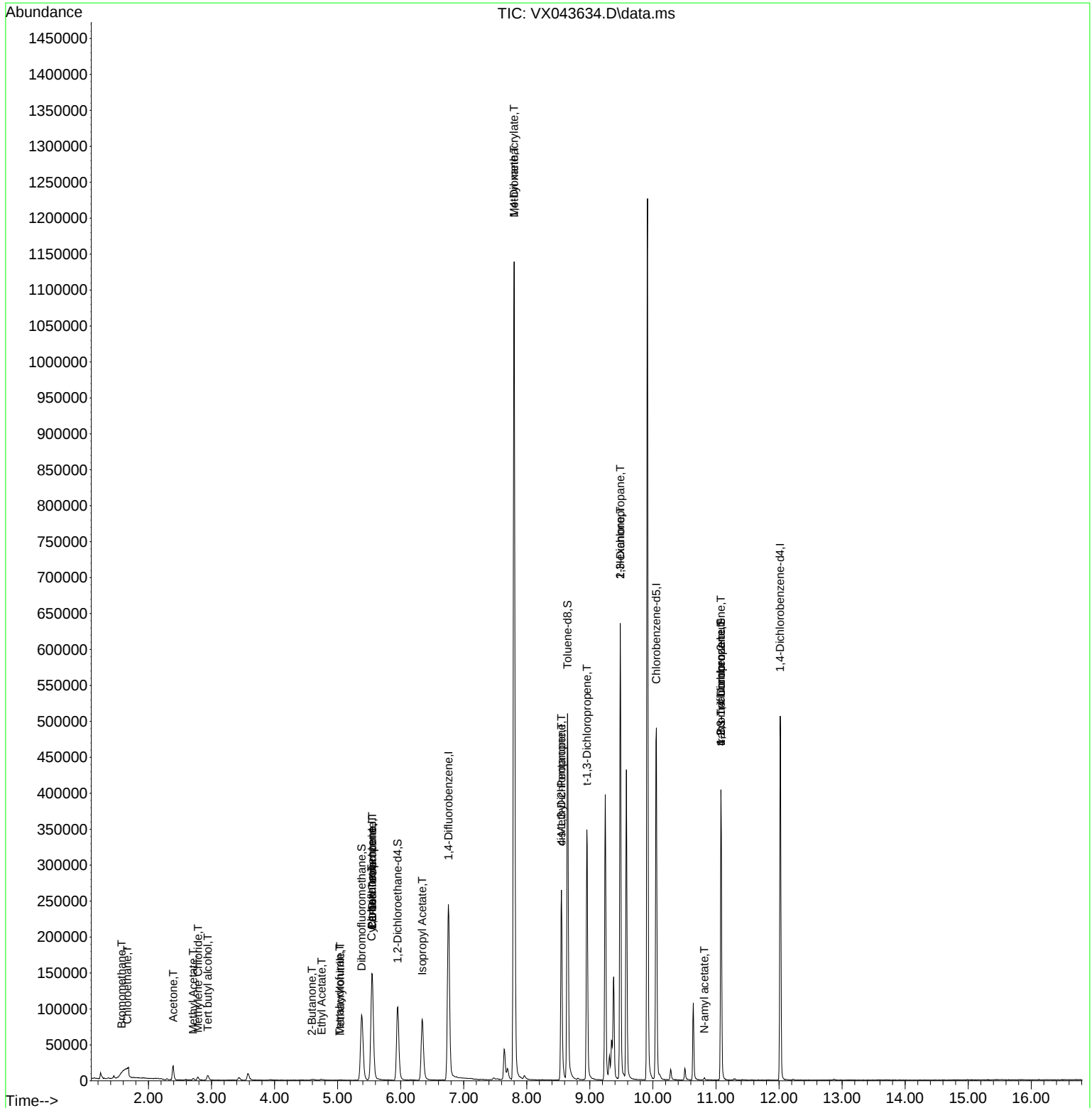
Quant Time: Oct 31 23:04:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

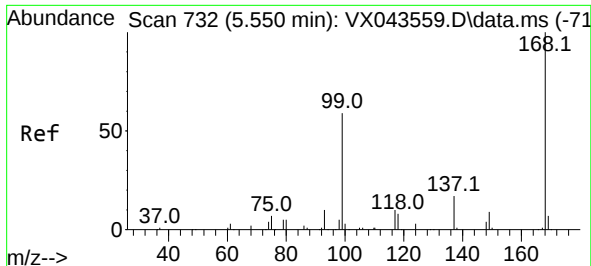
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	149102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97261	40.910	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.820%
35) Dibromofluoromethane	5.379	113	81719	44.470	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.940%
50) Toluene-d8	8.647	98	318032	49.996	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.000%
62) 4-Bromofluorobenzene	11.079	95	112824	47.865	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.720%
Target Compounds						
					Qvalue	
5) Bromomethane	1.575	94	217	0.281	ug/l #	2
6) Chloroethane	1.666	64	192	0.288	ug/l #	31
11) Tert butyl alcohol	2.940	59	3960	8.924	ug/l #	100
16) Acetone	2.392	43	21503	22.776	ug/l	94
18) Methyl Acetate	2.709	43	2865	1.038	ug/l	99
20) Methylene Chloride	2.788	84	2393	1.176	ug/l #	86
25) 2-Butanone	4.593	43	738	0.536	ug/l #	70
29) Tetrahydrofuran	5.032	42	284	0.317	ug/l #	68
31) Cyclohexane	5.538	56	2811	1.120	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	10749	4.933	ug/l #	50
37) Ethyl Acetate	4.745	43	2740	1.036	ug/l #	75
38) Carbon Tetrachloride	5.550	117	14995	6.228	ug/l #	16
41) Methacrylonitrile	5.044	41	356	0.256	ug/l #	38
43) Isopropyl Acetate	6.342	43	123212	28.164	ug/l	99
48) Methyl methacrylate	7.799	41	95641	46.110	ug/l #	41
49) 1,4-Dioxane	7.799	88	110	2.581	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	91759	34.412	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	862	0.332	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	48023	17.357	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	6263	2.052	ug/l #	42
59) 2-Hexanone	9.482	43	74304	36.690	ug/l #	52
74) N-amyl acetate	10.817	43	989	0.261	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	53928	22.988	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	53928	63.241	ug/l #	7

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

Quant Time: Oct 31 23:04:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

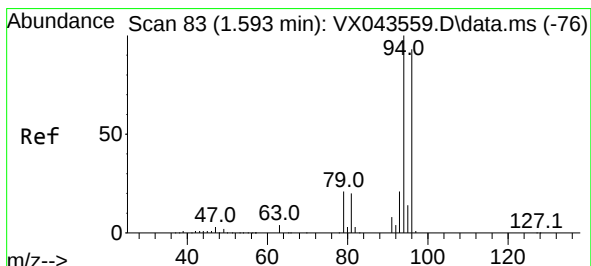
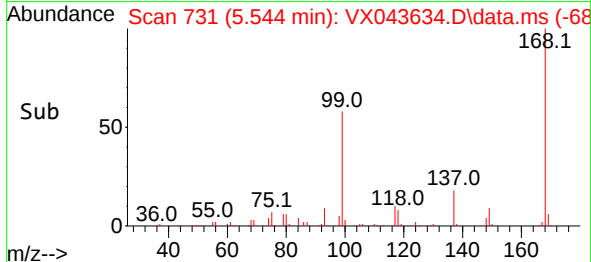
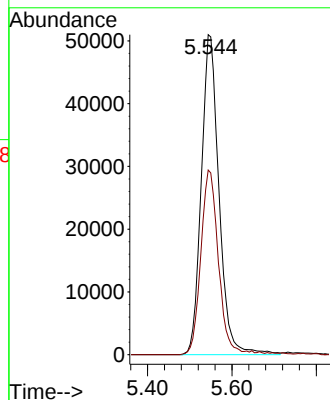
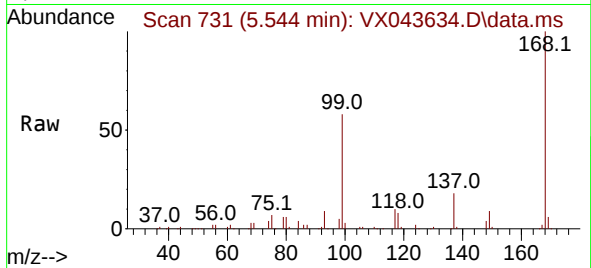




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

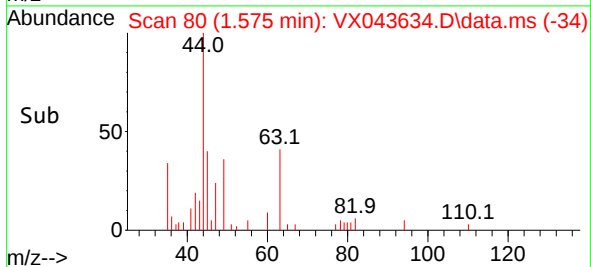
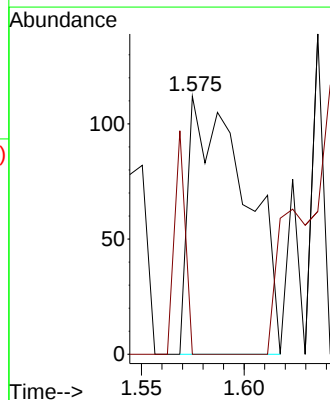
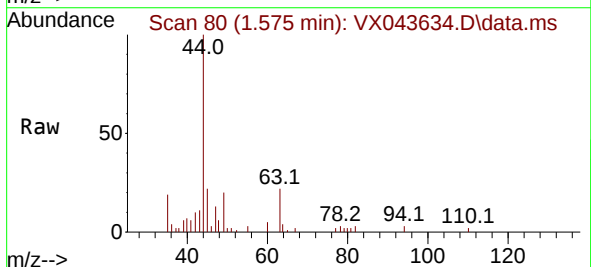
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

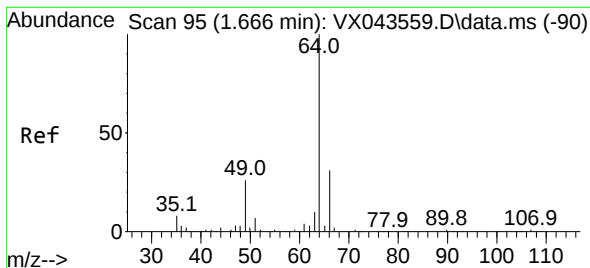
Tgt Ion:168 Resp: 149102
Ion Ratio Lower Upper
168 100
99 57.7 52.6 78.8



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.018 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#





#6

Chloroethane

Concen: 0.288 ug/l

RT: 1.666 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

Instrument :

MSVOA_X

ClientSampleId :

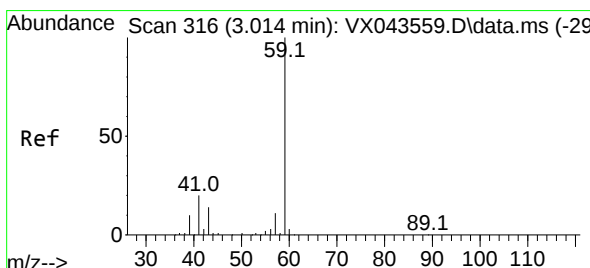
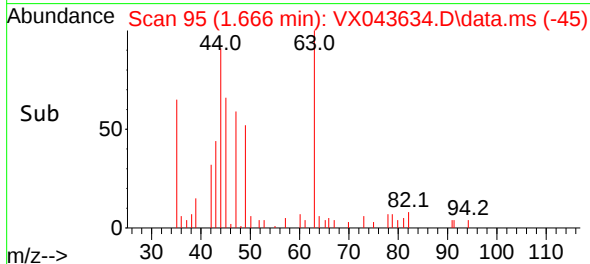
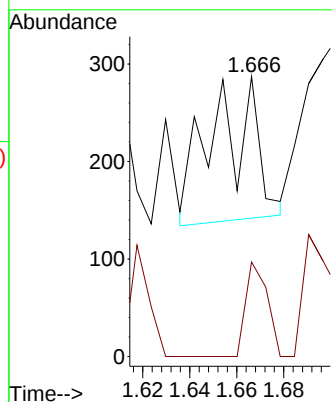
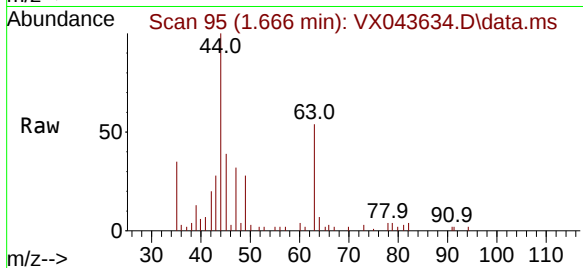
PB164501ZHE#12

Tgt Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 69.8 25.1 37.7#



#11

Tert butyl alcohol

Concen: 8.924 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.110 min

Lab File: VX043634.D

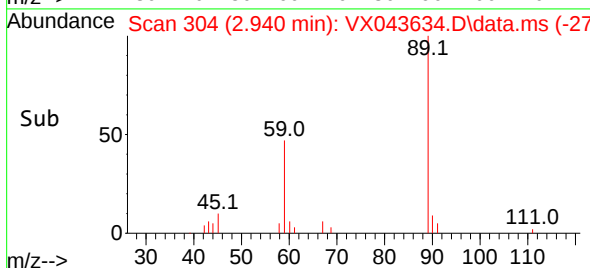
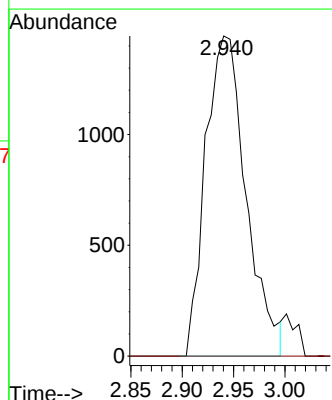
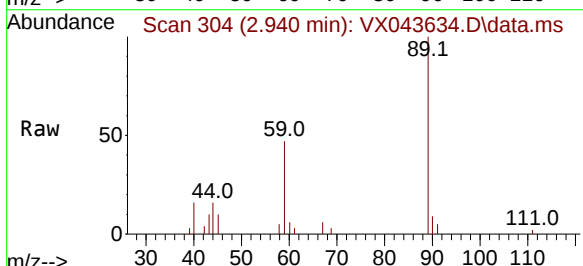
Acq: 30 Oct 2024 19:03

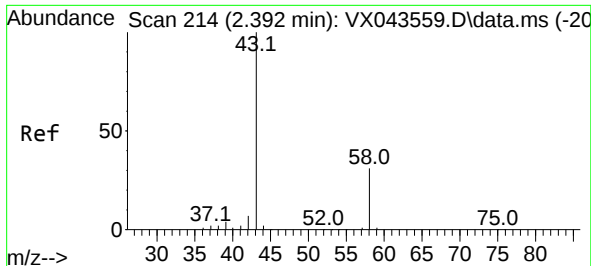
Tgt Ion: 59 Resp: 3960

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0

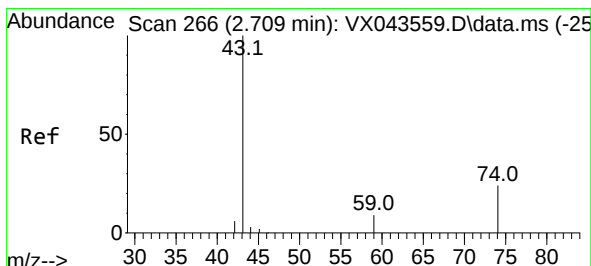
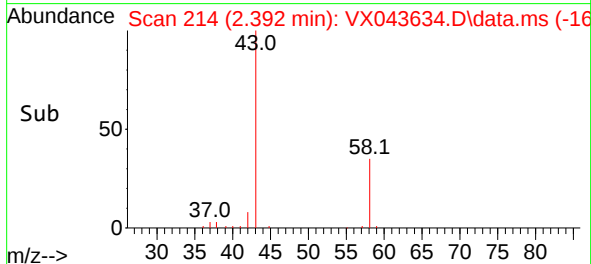
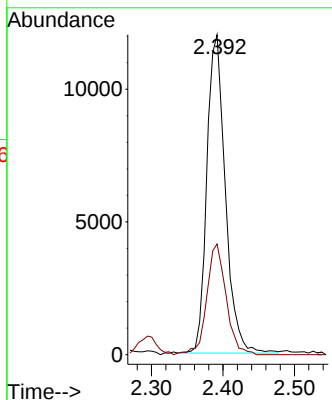
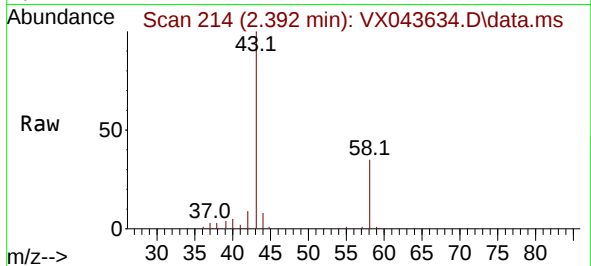




#16
Acetone
Concen: 22.776 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

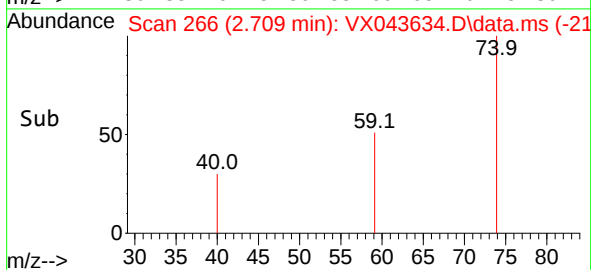
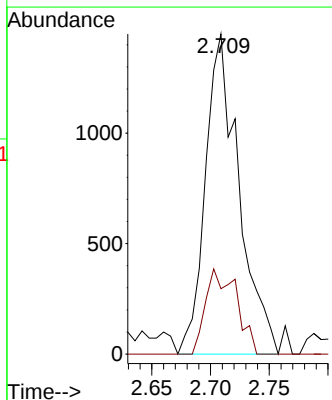
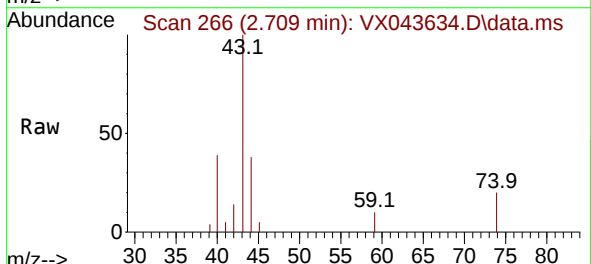
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

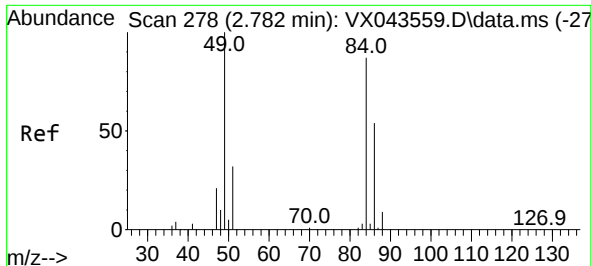
Tgt Ion: 43 Resp: 21503
Ion Ratio Lower Upper
43 100
58 34.8 25.1 37.7



#18
Methyl Acetate
Concen: 1.038 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7

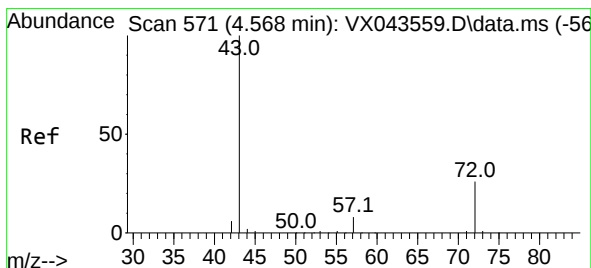
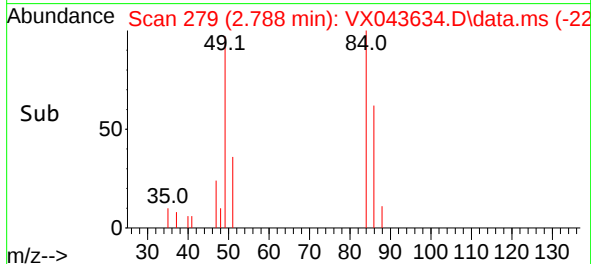
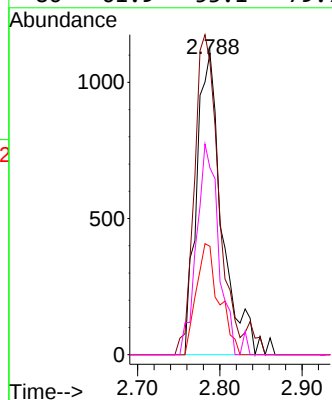
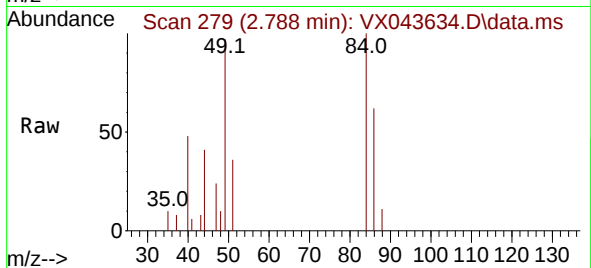




#20
Methylene Chloride
Concen: 1.176 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

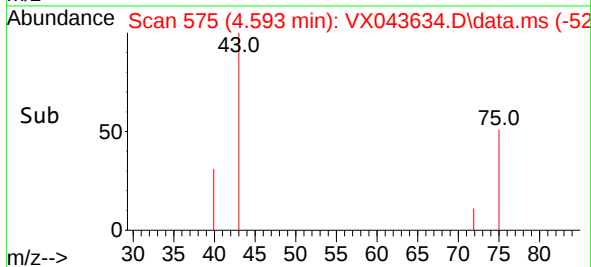
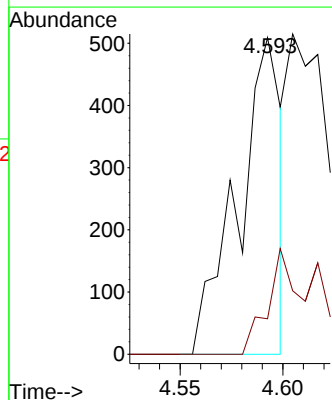
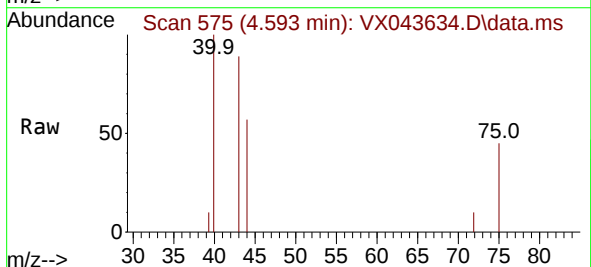
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

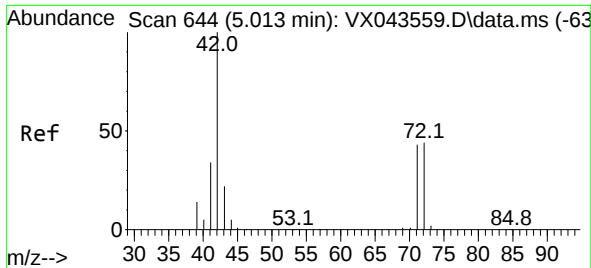
Tgt Ion:	84	Resp:	2393
Ion	Ratio	Lower	Upper
84	100		
49	96.9	97.0	145.6#
51	35.9	29.8	44.8
86	61.9	53.1	79.7



#25
2-Butanone
Concen: 0.536 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion:	43	Resp:	738
Ion	Ratio	Lower	Upper
43	100		
72	11.2	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#12

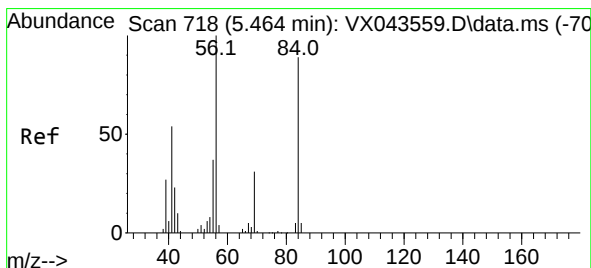
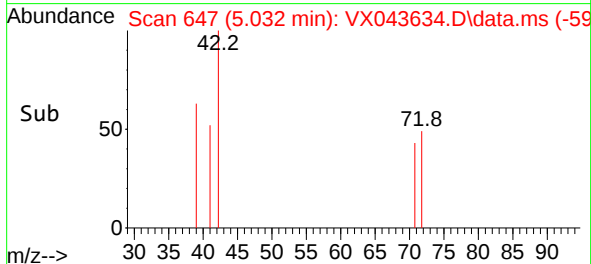
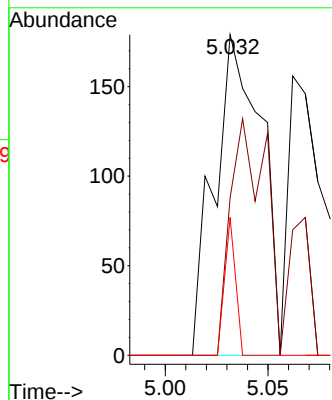
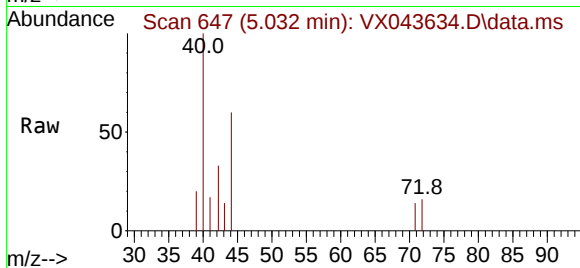
Tgt Ion: 42 Resp: 284

Ion Ratio Lower Upper

42 100

72 55.3 36.6 55.0#

71 9.9 34.2 51.4#



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

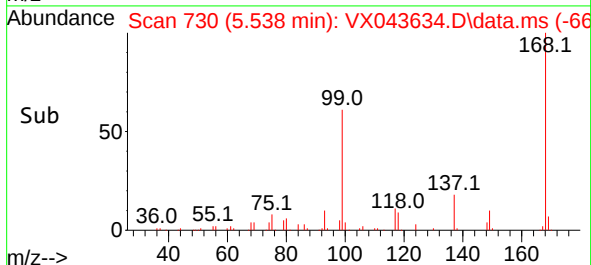
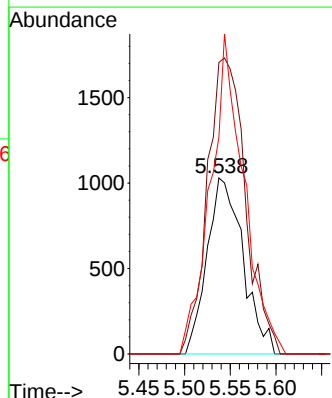
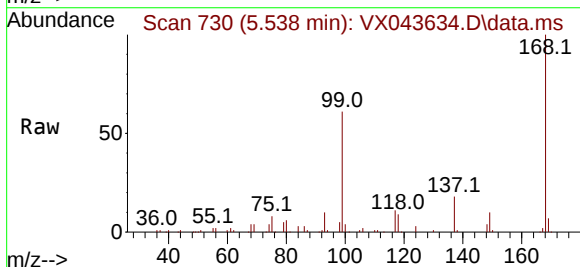
Tgt Ion: 56 Resp: 2811

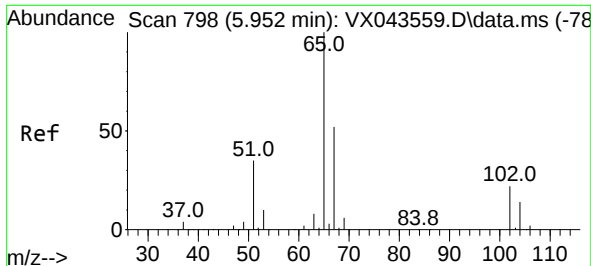
Ion Ratio Lower Upper

56 100

69 165.5 24.9 37.3#

84 123.3 73.3 109.9#

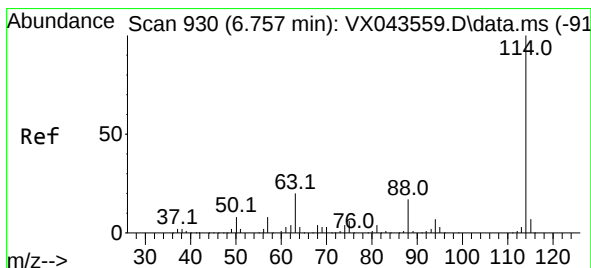
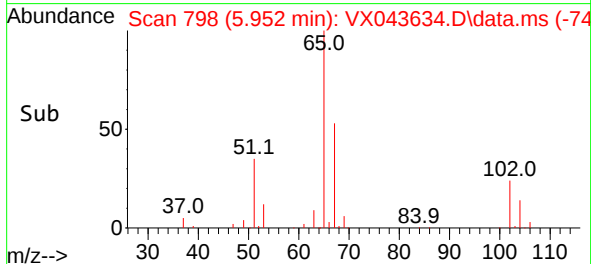
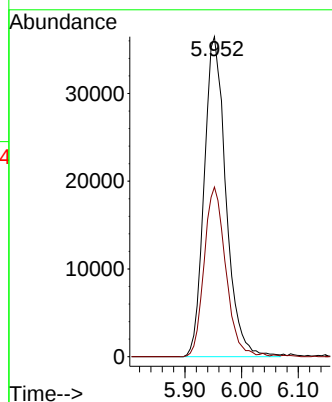
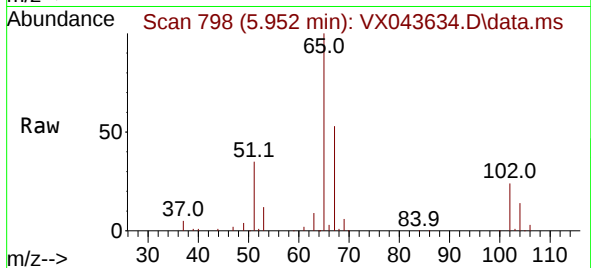




#33
 1,2-Dichloroethane-d4
 Concen: 40.910 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043634.D
 Acq: 30 Oct 2024 19:03

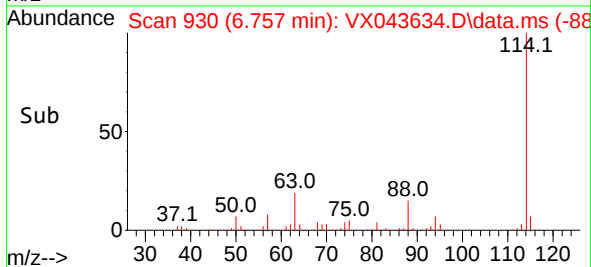
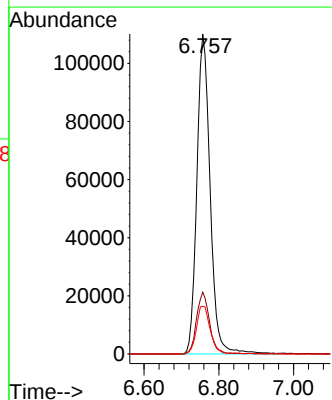
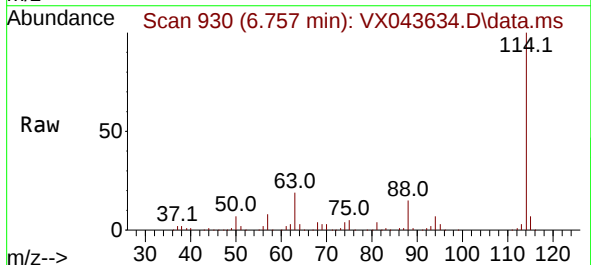
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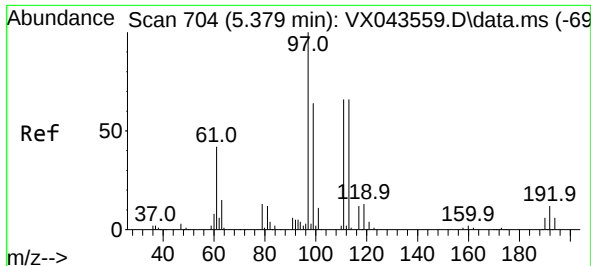
Tgt Ion: 65 Resp: 97261
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043634.D
 Acq: 30 Oct 2024 19:03

Tgt Ion: 114 Resp: 270998
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.2
 88 14.9 0.0 34.0

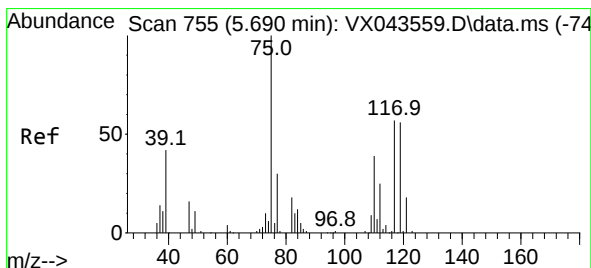
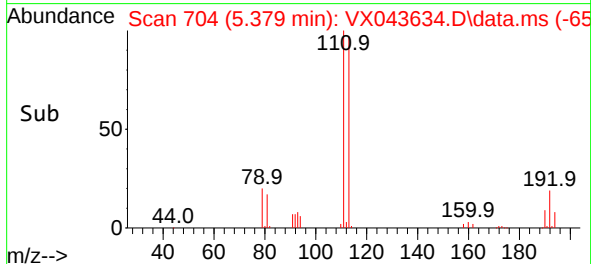
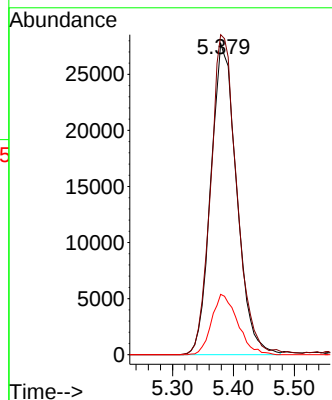
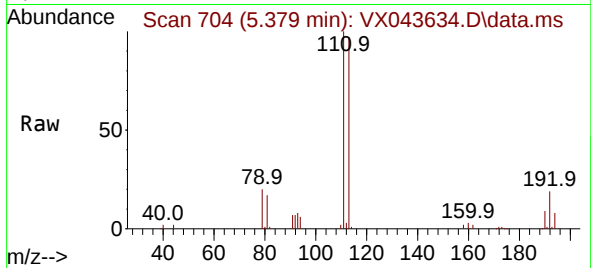




#35
Dibromofluoromethane
Concen: 44.470 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

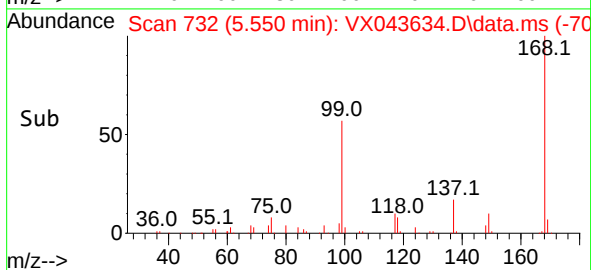
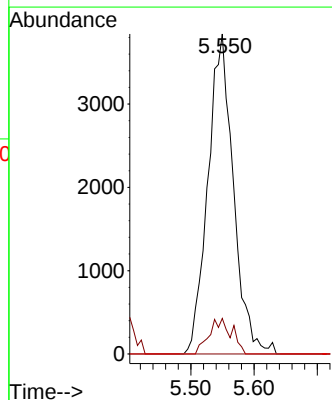
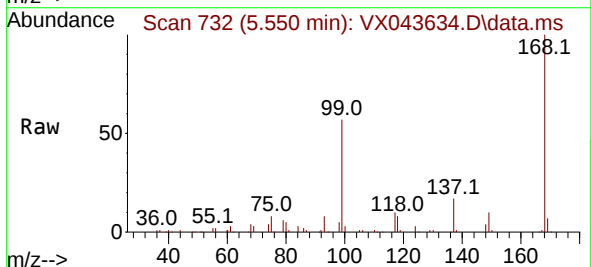
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

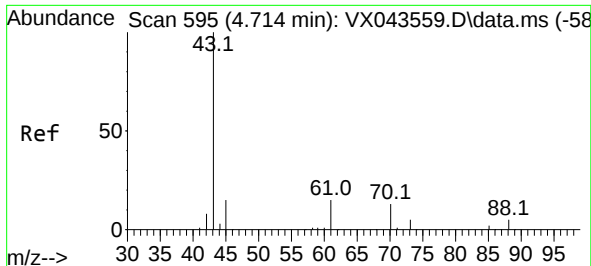
Tgt Ion:113 Resp: 81719
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 19.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 75 Resp: 10749
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.036 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

Instrument :

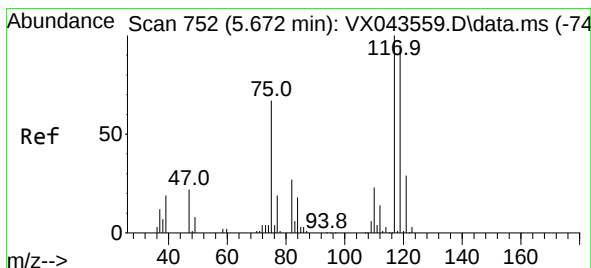
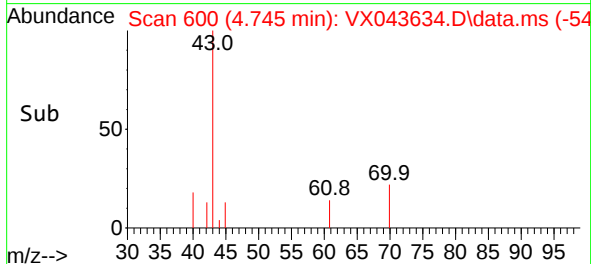
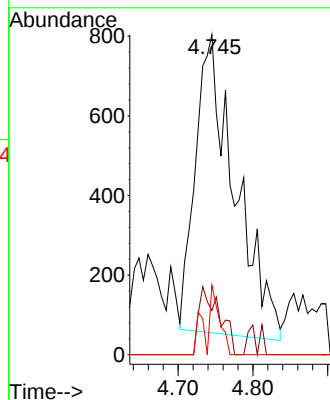
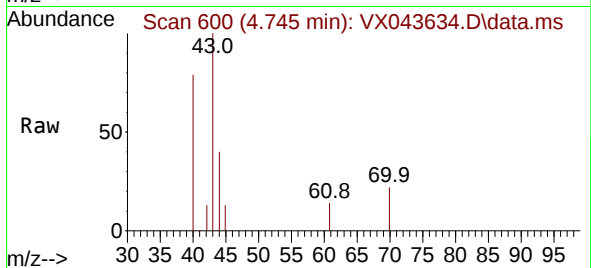
MSVOA_X

ClientSampleId :

PB164501ZHE#12

Tgt Ion: 43 Resp: 2740

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	5.6	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.228 ug/l

RT: 5.550 min Scan# 732

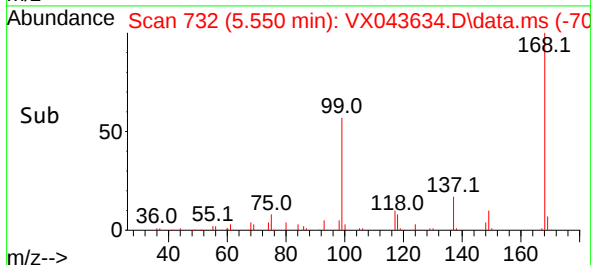
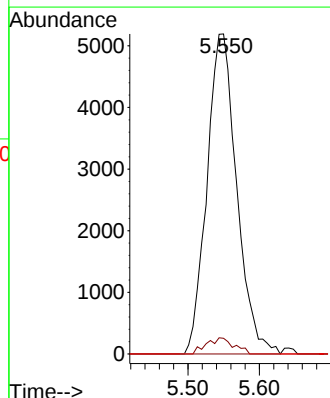
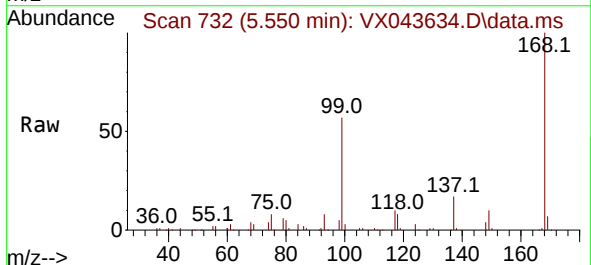
Delta R.T. -0.122 min

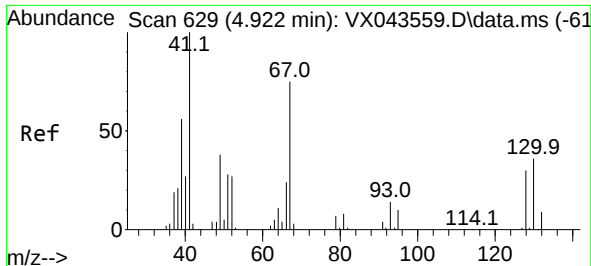
Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

Tgt Ion: 117 Resp: 14995

Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.0	115.6#
121	0.0	24.7	37.1#

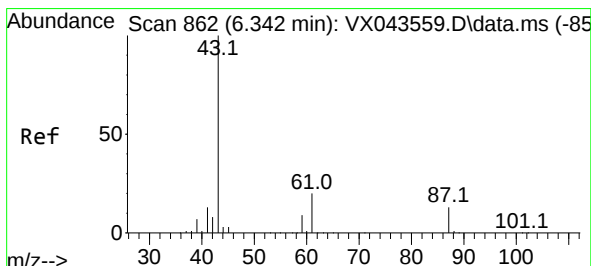
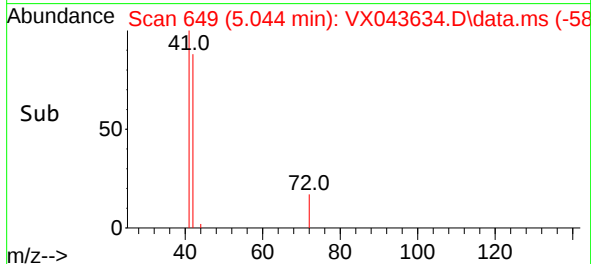
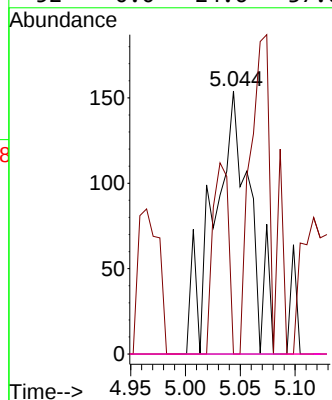
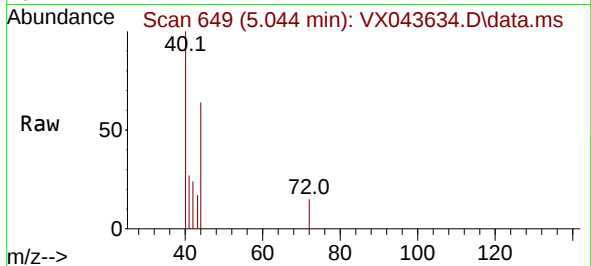




#41
Methacrylonitrile
Concen: 0.256 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

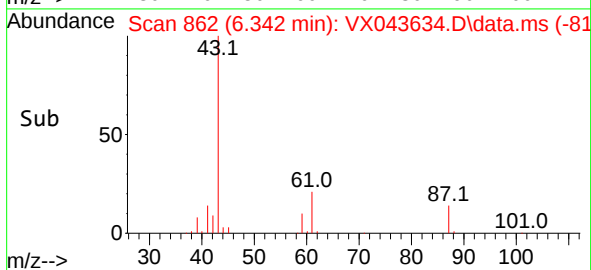
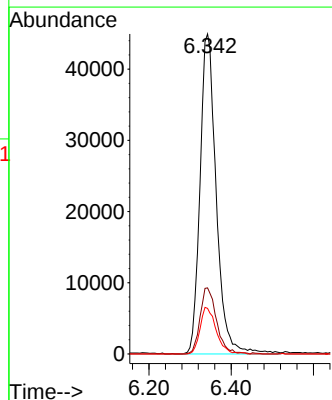
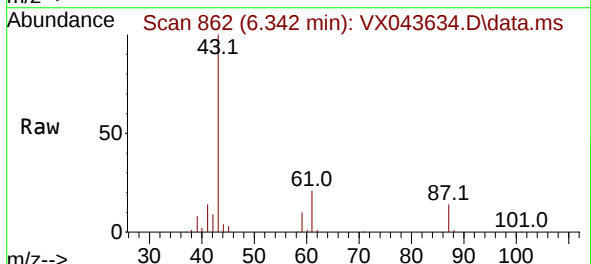
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

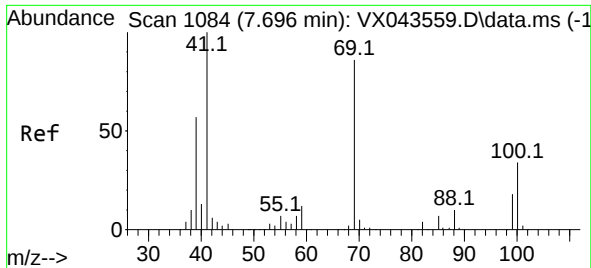
Tgt Ion: 41	Resp:	356
Ion	Ratio	Lower Upper
41	100	
39	30.9	43.5 65.3#
67	0.0	58.3 87.5#
52	0.0	24.6 37.0#



#43
Isopropyl Acetate
Concen: 28.164 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 43	Resp:	123212
Ion	Ratio	Lower Upper
43	100	
61	20.9	16.2 24.4
87	14.4	11.0 16.6

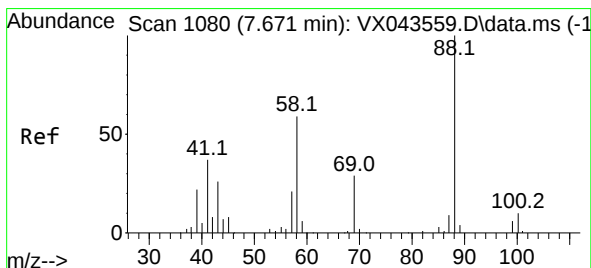
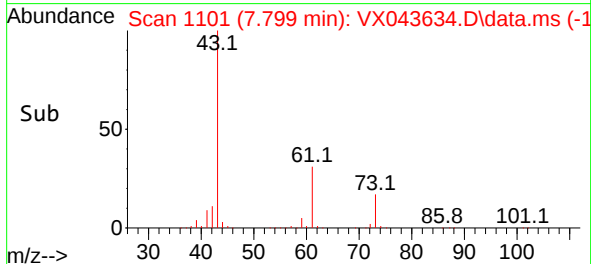
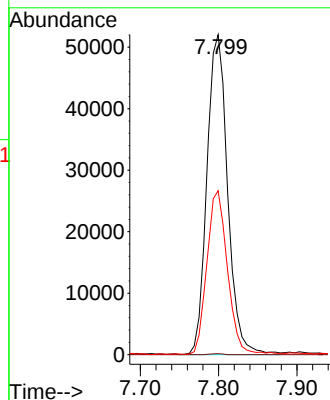
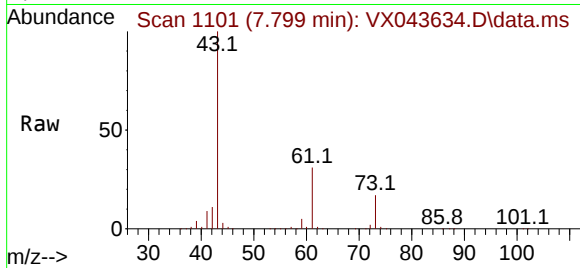




#48
Methyl methacrylate
Concen: 46.110 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

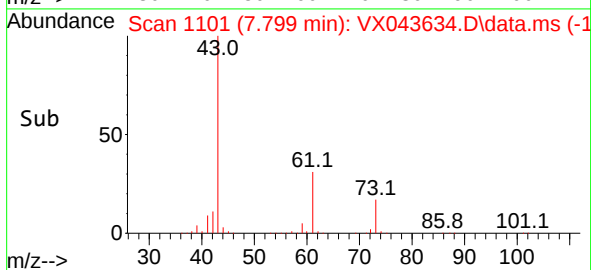
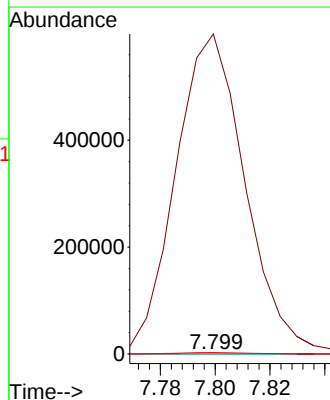
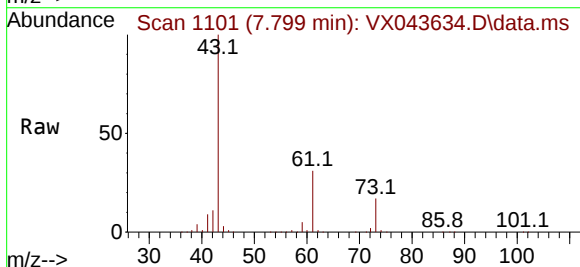
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

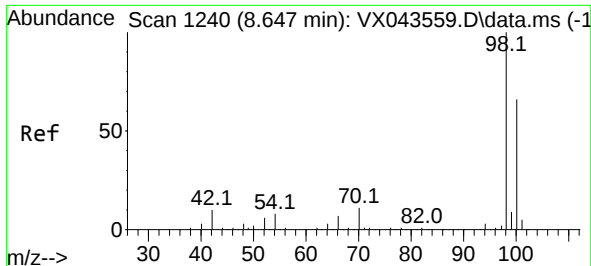
Tgt Ion: 41 Resp: 95641
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 50.5 46.3 69.5



#49
1,4-Dioxane
Concen: 2.581 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 976340.9 25.3 37.9#
58 4526.4 53.9 80.9#

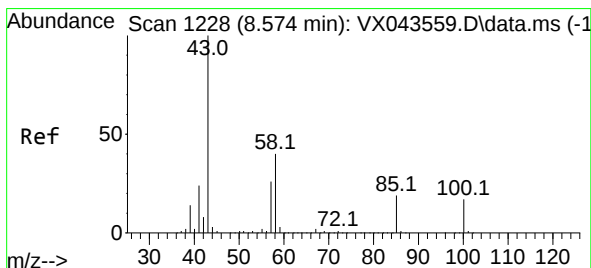
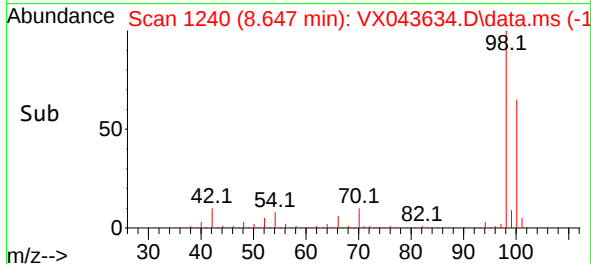
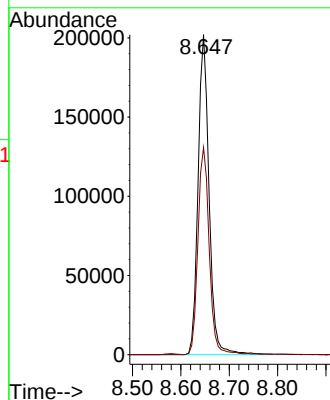
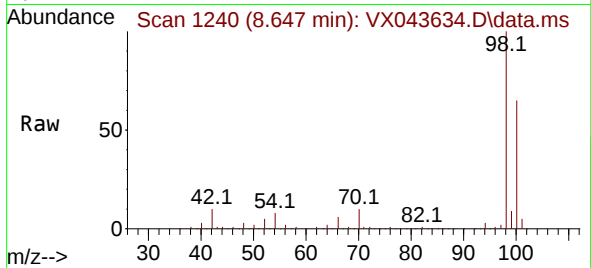




#50
Toluene-d8
Concen: 49.996 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

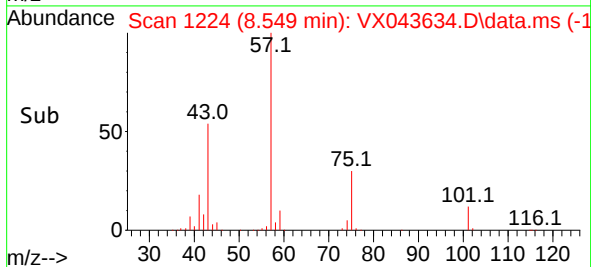
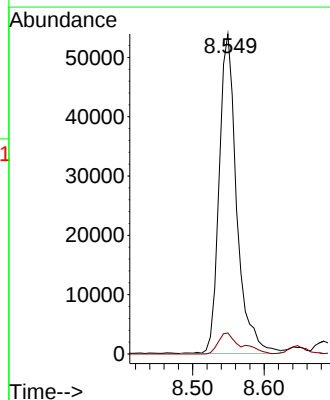
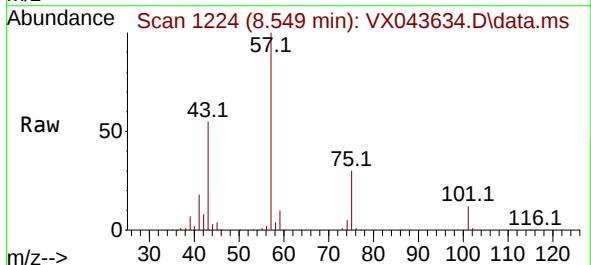
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

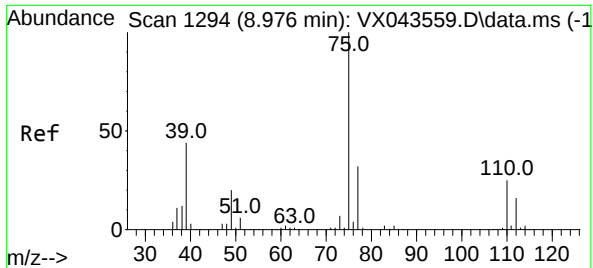
Tgt Ion: 98 Resp: 318032
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 34.412 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 43 Resp: 91759
Ion Ratio Lower Upper
43 100
58 8.5 31.7 47.5#

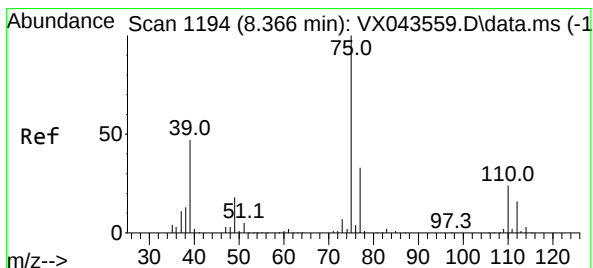
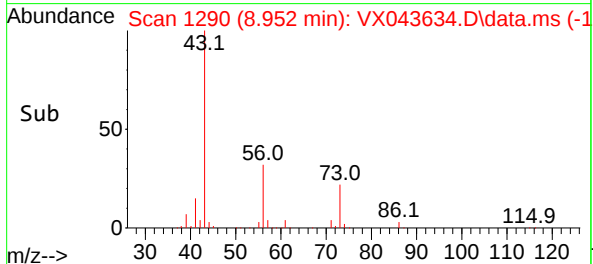
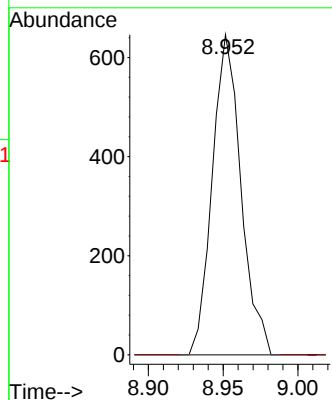
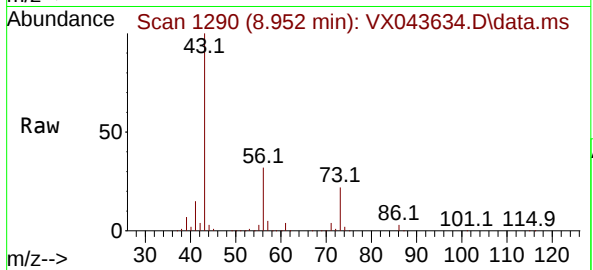




#53
 t-1,3-Dichloropropene
 Concen: 0.332 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX043634.D
 Acq: 30 Oct 2024 19:03

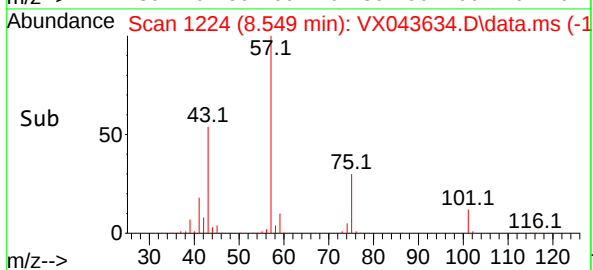
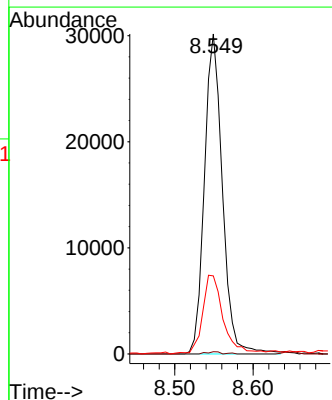
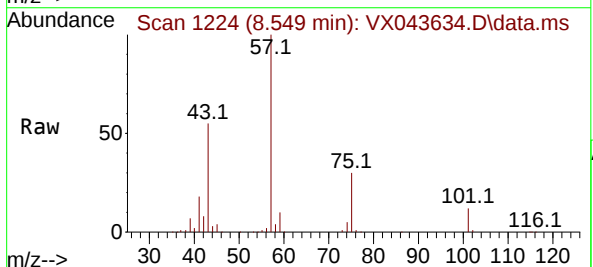
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#12

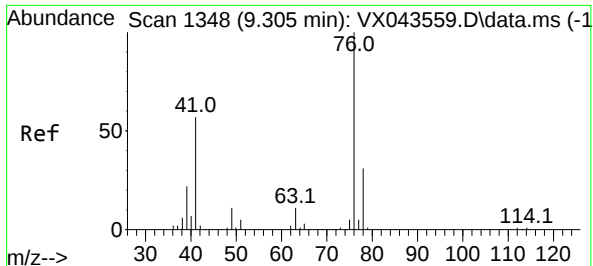
Tgt Ion: 75 Resp: 862
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.357 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043634.D
 Acq: 30 Oct 2024 19:03

Tgt Ion: 75 Resp: 48023
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 23.9 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 2.052 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043634.D

Acq: 30 Oct 2024 19:03

Instrument :

MSVOA_X

ClientSampleId :

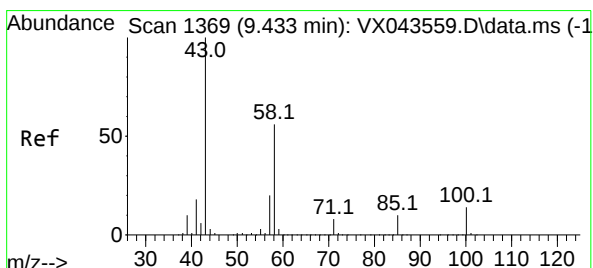
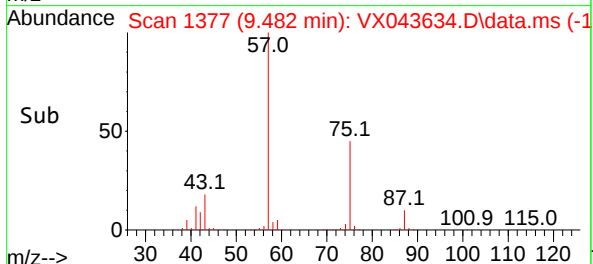
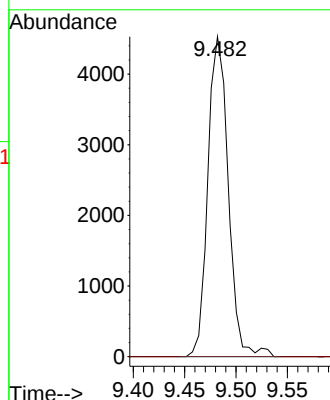
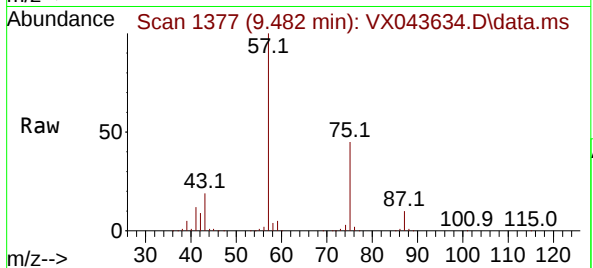
PB164501ZHE#12

Tgt Ion: 76 Resp: 6263

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 36.690 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043634.D

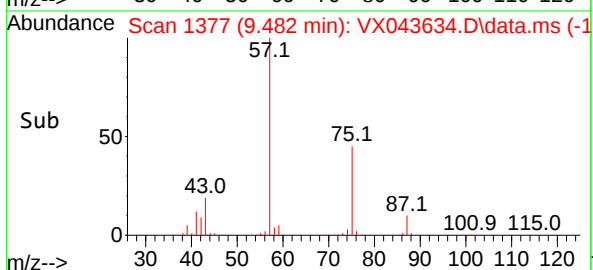
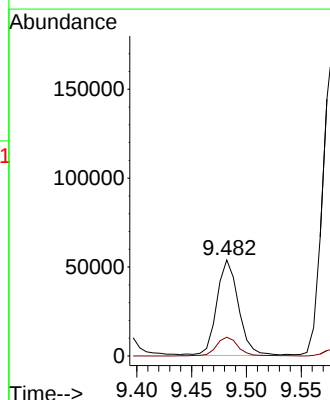
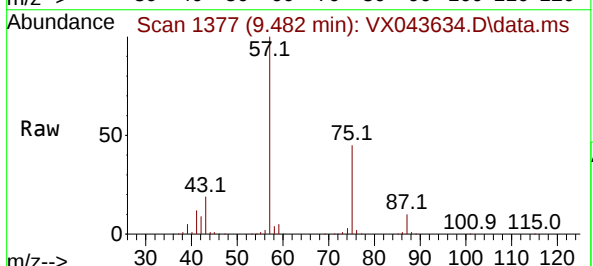
Acq: 30 Oct 2024 19:03

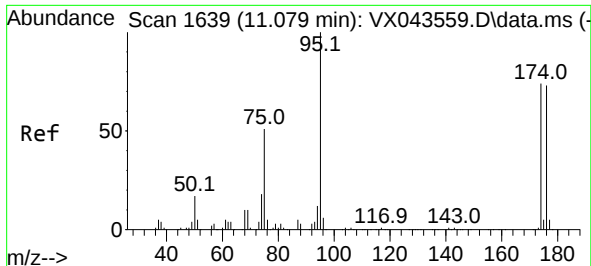
Tgt Ion: 43 Resp: 74304

Ion Ratio Lower Upper

43 100

58 20.1 27.5 82.5#

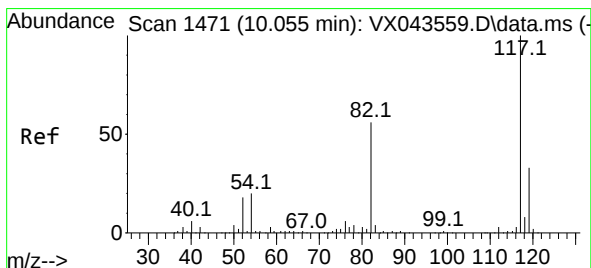
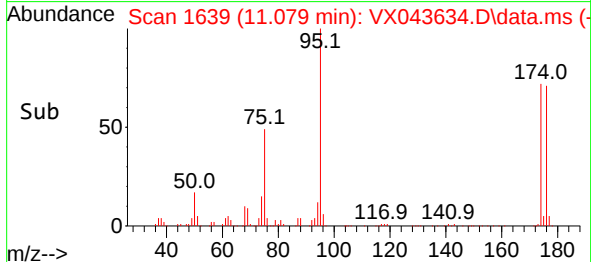
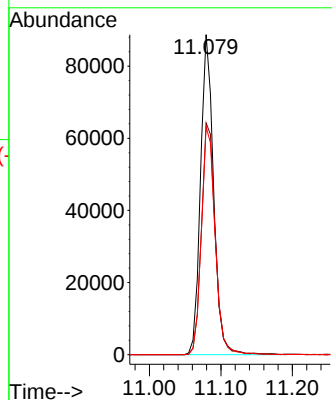
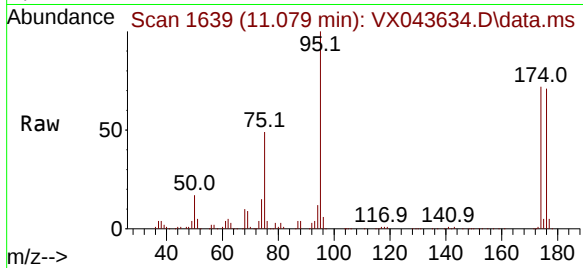




#62
4-Bromofluorobenzene
Concen: 47.865 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

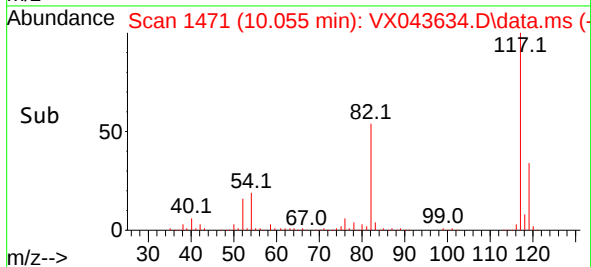
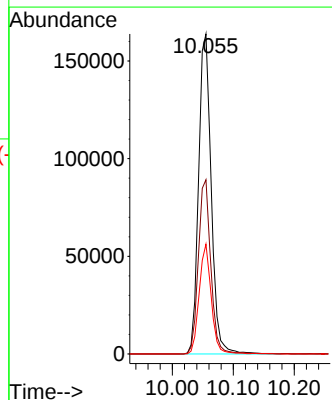
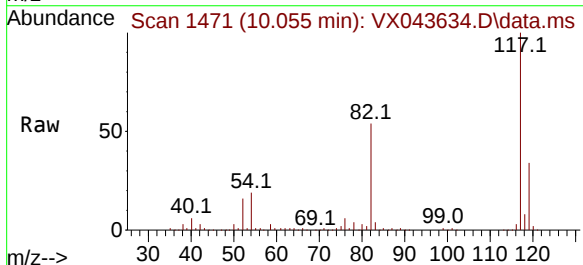
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

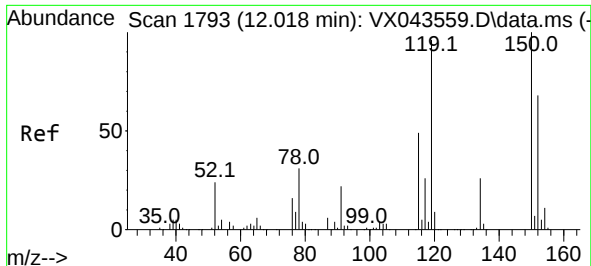
Tgt Ion: 95 Resp: 112824
Ion Ratio Lower Upper
95 100
174 75.6 0.0 146.6
176 75.0 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 117 Resp: 235625
Ion Ratio Lower Upper
117 100
82 54.5 42.1 63.1
119 34.3 25.4 38.2

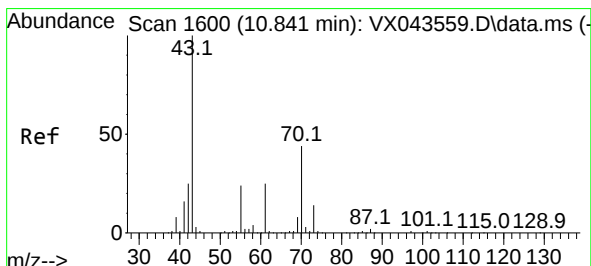
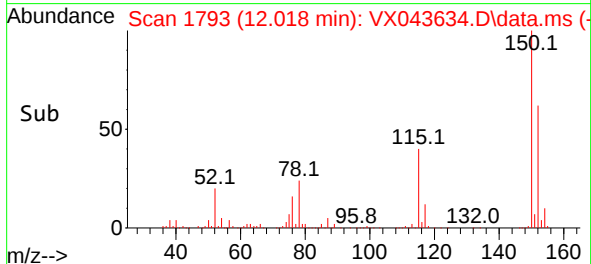
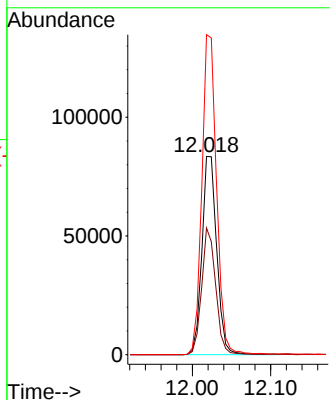
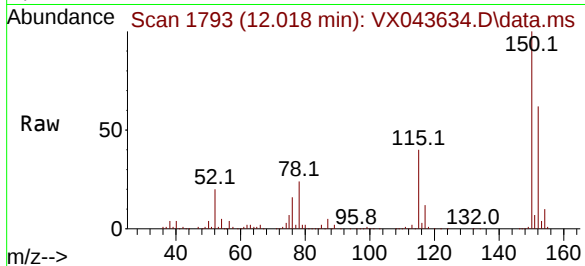




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

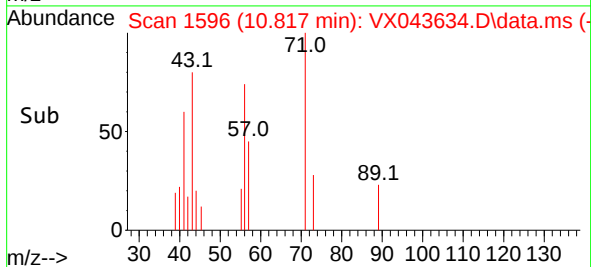
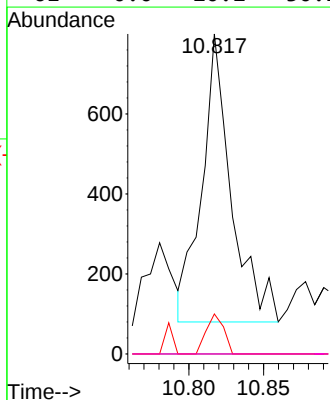
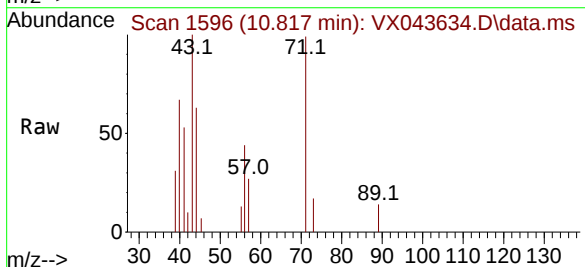
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

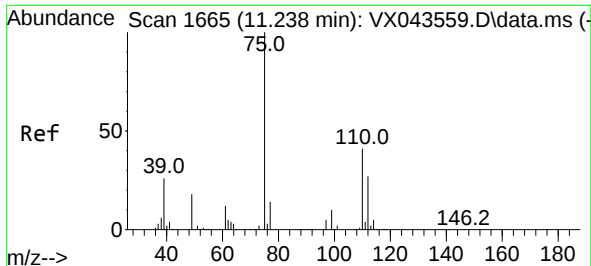
Tgt Ion:152 Resp: 109718
Ion Ratio Lower Upper
152 100
115 60.2 42.9 128.7
150 160.3 0.0 343.6



#74
N-ethyl acetate
Concen: 0.261 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
70 0.0 34.6 52.0#
55 8.2 19.6 29.4#
61 0.0 20.2 30.2#

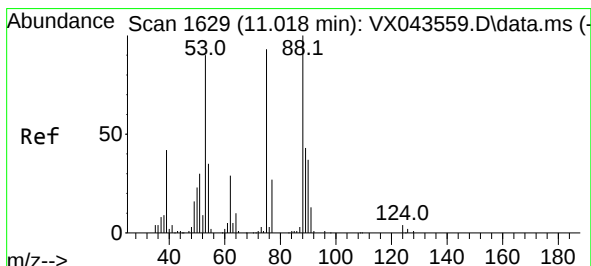
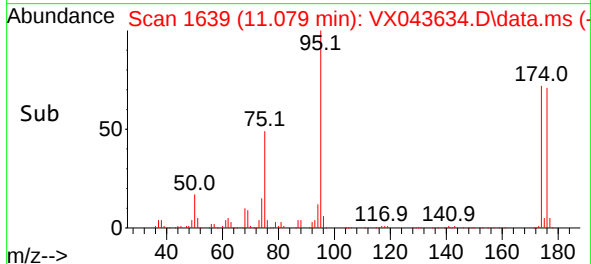
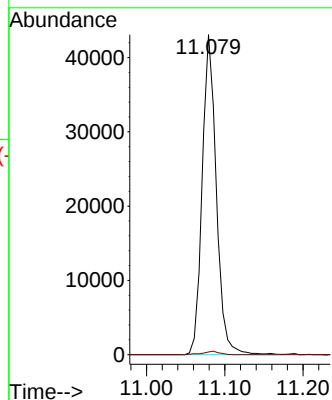
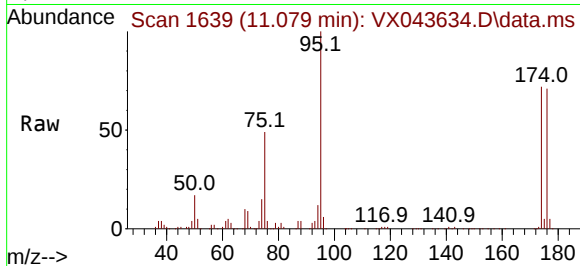




#76
1,2,3-Trichloropropane
Concen: 22.988 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#12

Tgt Ion: 75 Resp: 53928
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043634.D
Acq: 30 Oct 2024 19:03

Tgt Ion: 75 Resp: 53928
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

