

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043630.D
 Acq On : 30 Oct 2024 17:30
 Operator : JC/MD
 Sample : PB164501ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#08

Quant Time: Oct 31 23:02:32 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

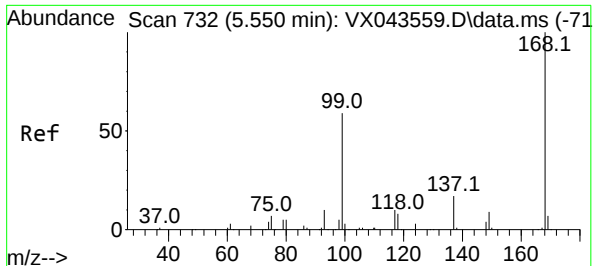
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	150275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	272468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98542	41.125	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.240%
35) Dibromofluoromethane	5.379	113	82531	44.669	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.340%
50) Toluene-d8	8.647	98	317029	49.569	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.140%
62) 4-Bromofluorobenzene	11.079	95	110922	46.804	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	6225	13.919	ug/l #	100
13) Acrolein	2.246	56	87	0.249	ug/l #	1
16) Acetone	2.392	43	27745	29.158	ug/l #	87
18) Methyl Acetate	2.709	43	3151	1.133	ug/l	99
20) Methylene Chloride	2.782	84	2757	1.344	ug/l #	85
25) 2-Butanone	4.599	43	1443	1.040	ug/l	94
29) Tetrahydrofuran	5.026	42	275	0.305	ug/l #	37
31) Cyclohexane	5.544	56	2787	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11198	5.111	ug/l #	49
37) Ethyl Acetate	4.751	43	2375	0.893	ug/l #	79
38) Carbon Tetrachloride	5.550	117	15480	6.395	ug/l #	17
43) Isopropyl Acetate	6.342	43	123623	28.105	ug/l	99
48) Methyl methacrylate	7.641	41	3311	1.588	ug/l #	41
49) 1,4-Dioxane	7.793	88	167	3.898	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92691	34.574	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	854	0.327	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	48039	17.269	ug/l #	58
56) Ethyl methacrylate	9.238	69	815	0.272	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	6176	2.013	ug/l #	42
59) 2-Hexanone	9.482	43	74666	36.670	ug/l #	52
74) N-amyl acetate	10.640	43	25373	6.686	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	54043	22.985	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	54043	63.232	ug/l #	7

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

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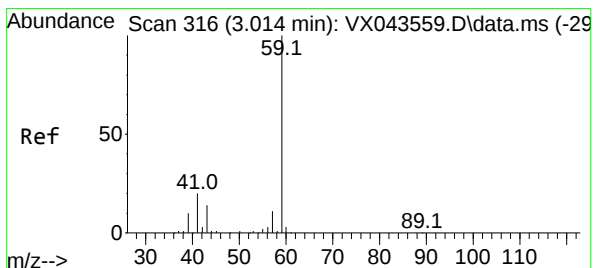
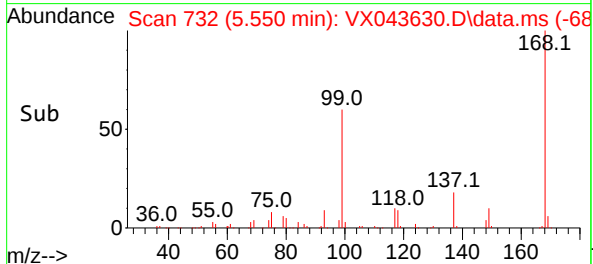
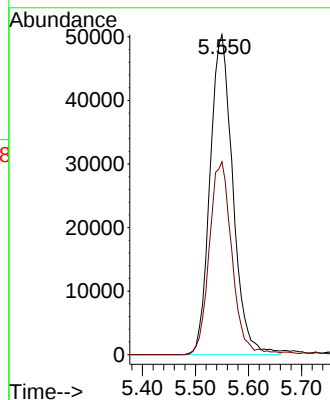
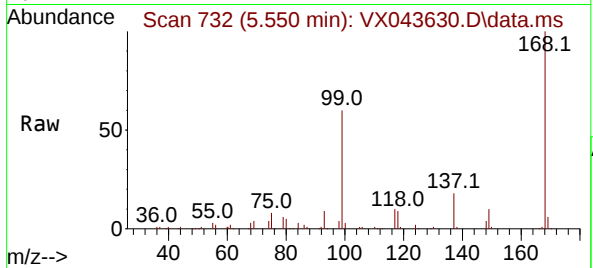




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

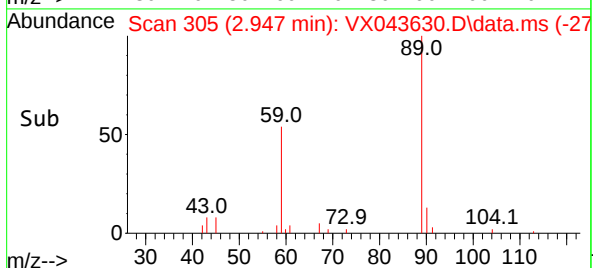
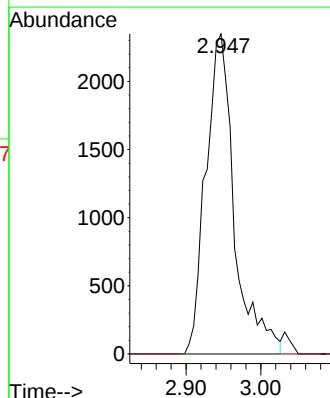
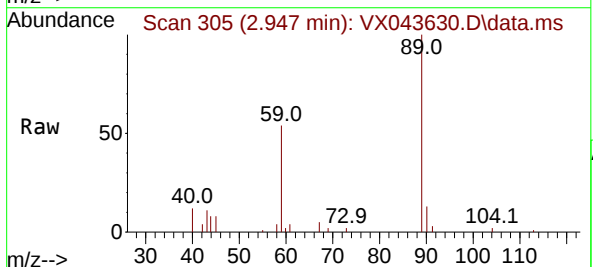
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

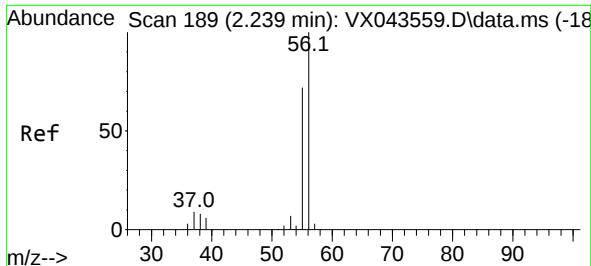
Tgt Ion:168 Resp: 150275
Ion Ratio Lower Upper
168 100
99 60.3 52.6 78.8



#11
Tert butyl alcohol
Concen: 13.919 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.103 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 59 Resp: 6225
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#13

Acrolein

Concen: 0.249 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

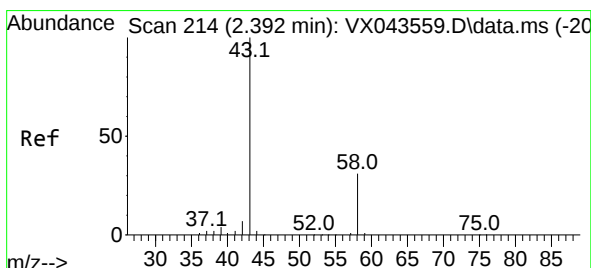
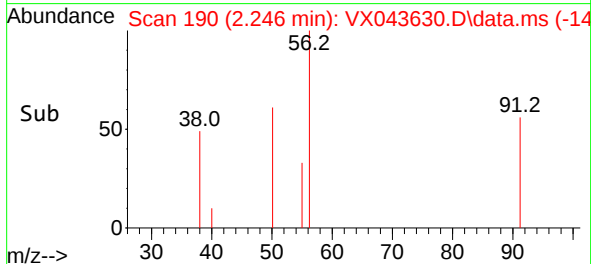
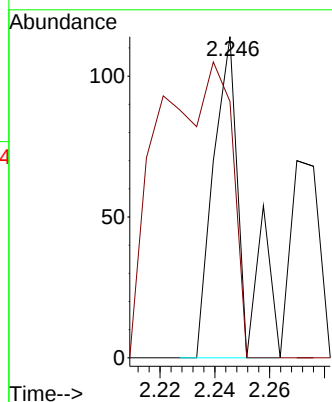
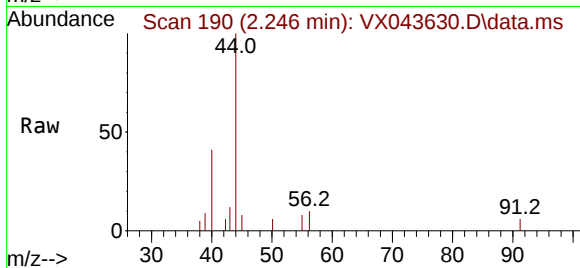
PB164501ZHE#08

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 223.0 55.3 82.9#



#16

Acetone

Concen: 29.158 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043630.D

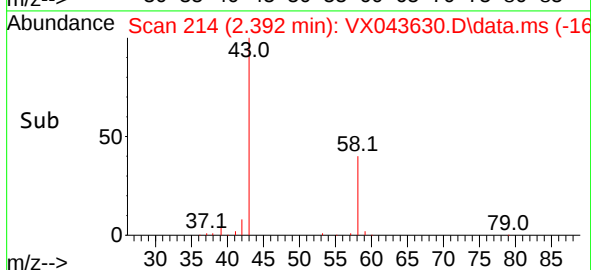
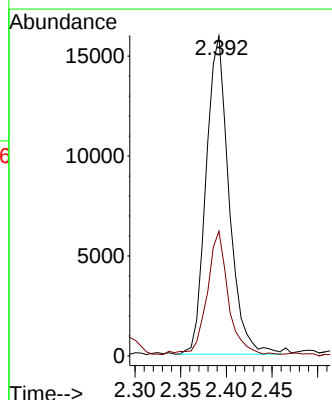
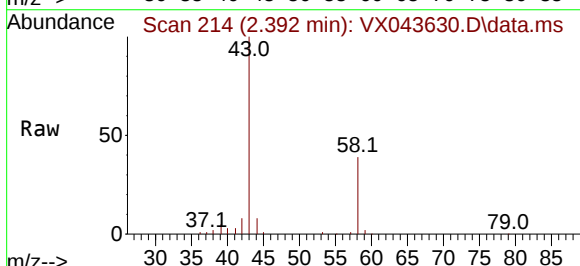
Acq: 30 Oct 2024 17:30

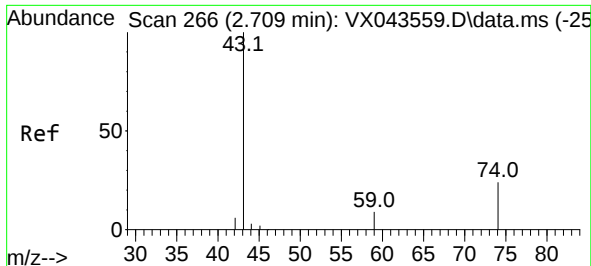
Tgt Ion: 43 Resp: 27745

Ion Ratio Lower Upper

43 100

58 38.6 25.1 37.7#

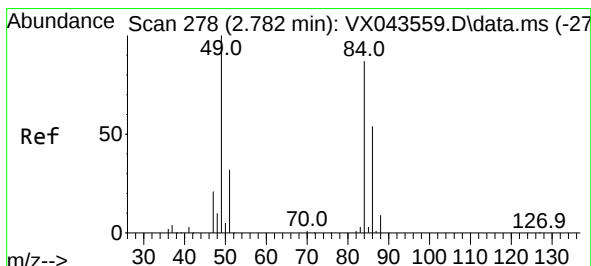
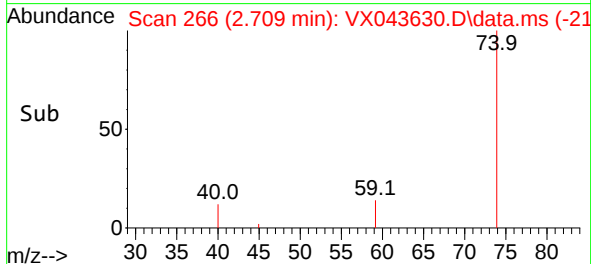
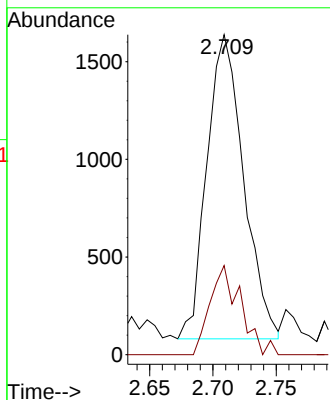
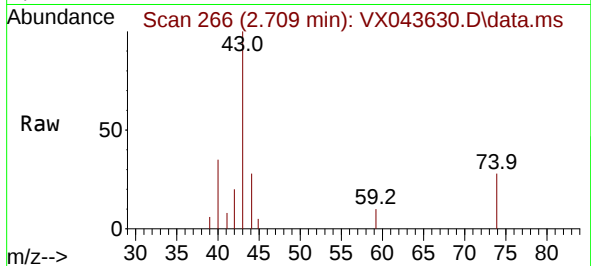




#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

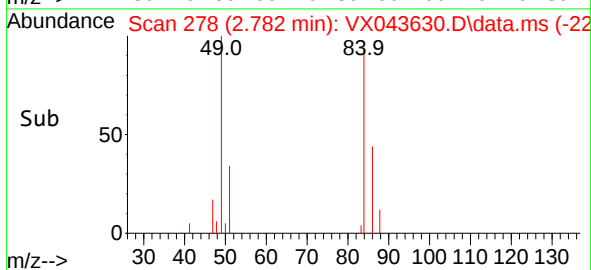
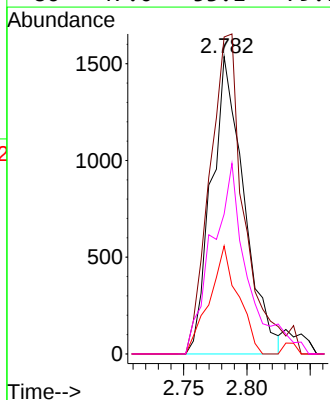
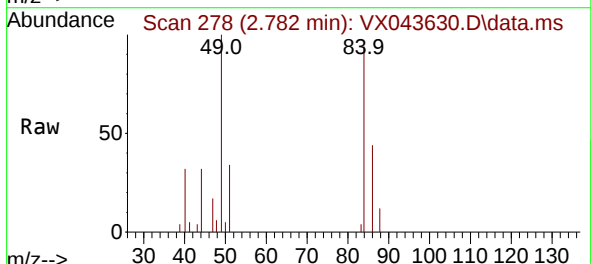
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

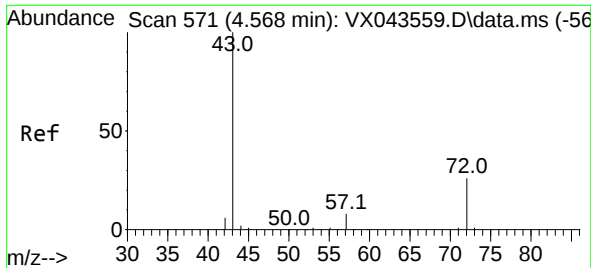
Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
74 24.5 19.1 28.7



#20
Methylene Chloride
Concen: 1.344 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 84 Resp: 2757
Ion Ratio Lower Upper
84 100
49 106.6 97.0 145.6
51 36.3 29.8 44.8
86 47.0 53.1 79.7#

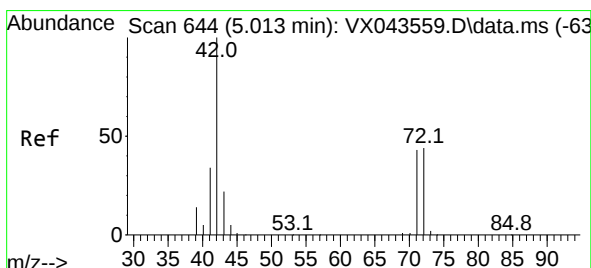
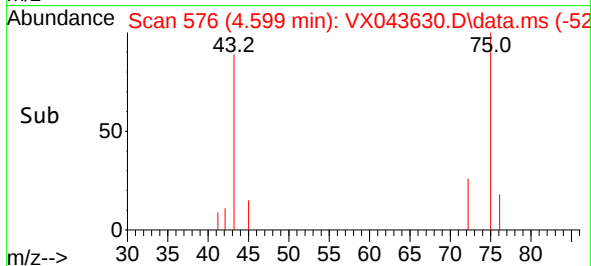
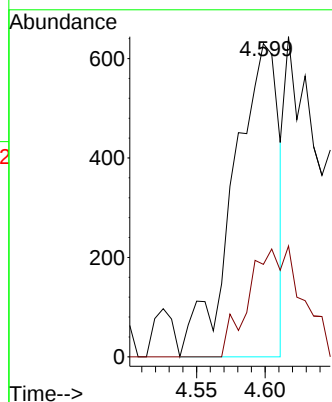
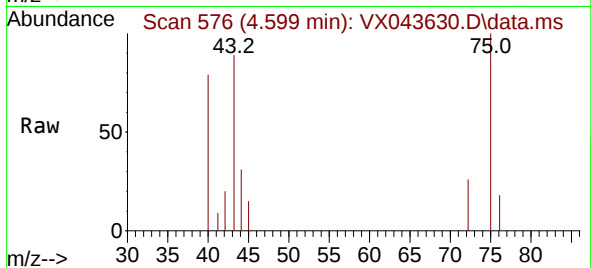




#25
2-Butanone
Concen: 1.040 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

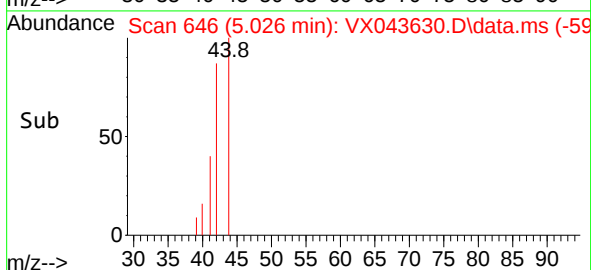
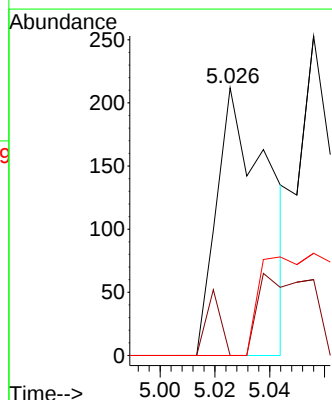
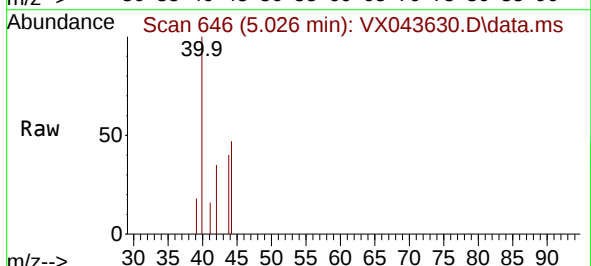
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

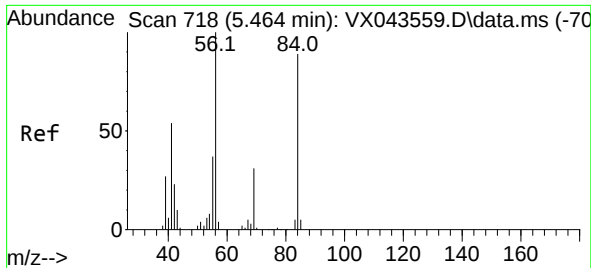
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
72 29.5 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 42 Resp: 275
Ion Ratio Lower Upper
42 100
72 6.9 36.6 55.0#
71 0.0 34.2 51.4#

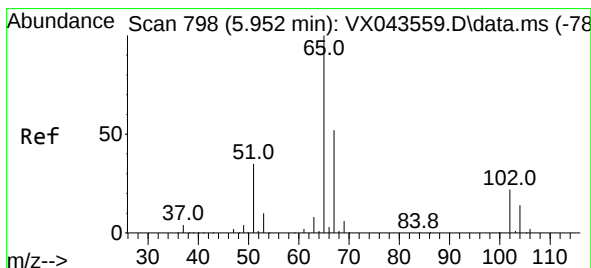
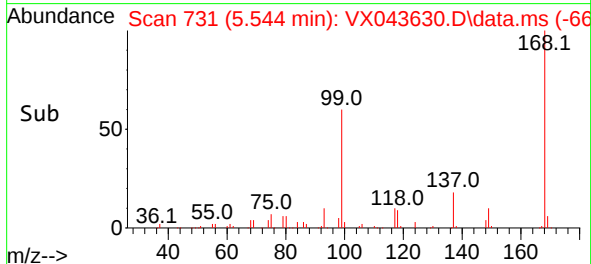
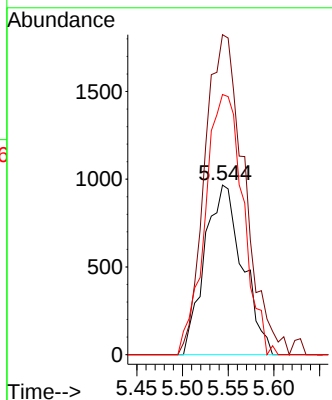
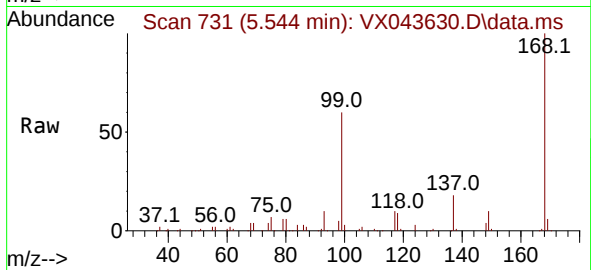




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

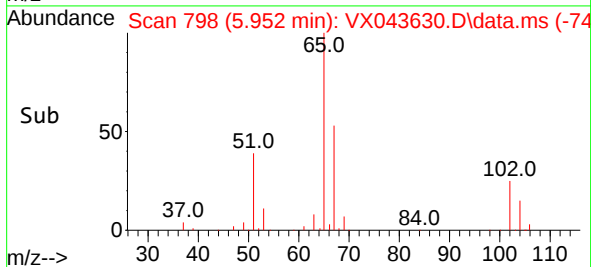
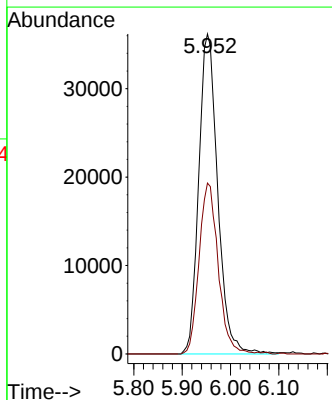
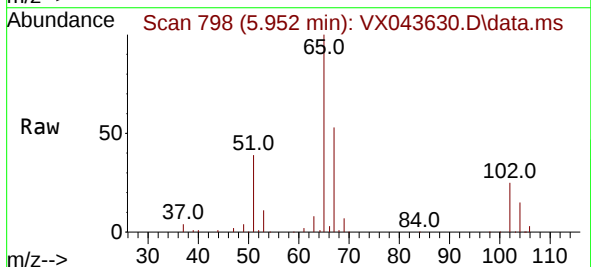
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PB164501ZHE#08

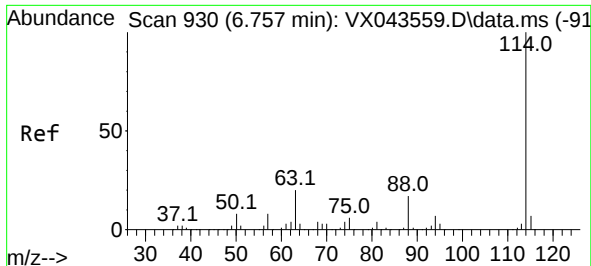
Tgt Ion: 56 Resp: 2787
Ion Ratio Lower Upper
56 100
69 188.6 24.9 37.3#
84 153.4 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 41.125 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 65 Resp: 98542
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.4

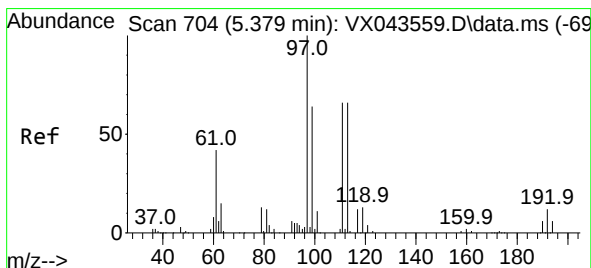
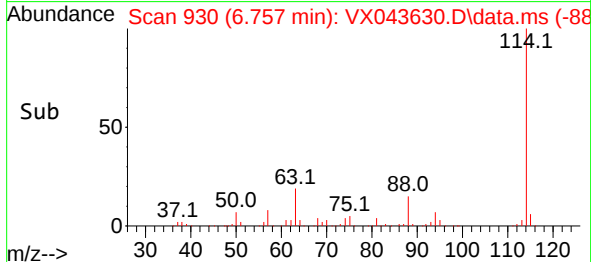
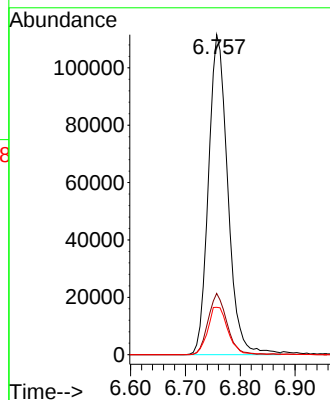
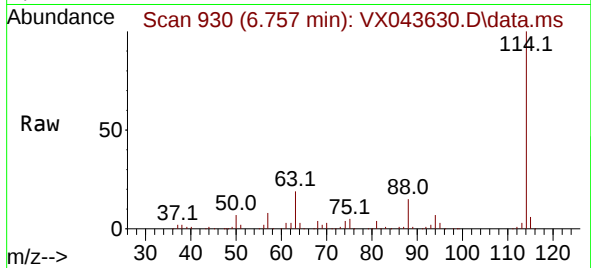




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

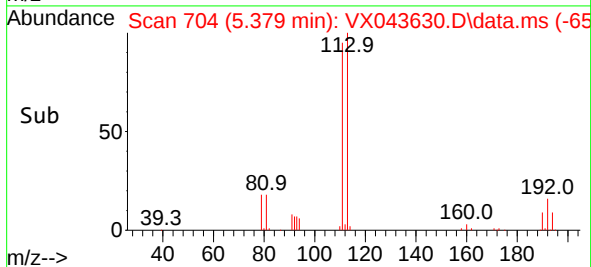
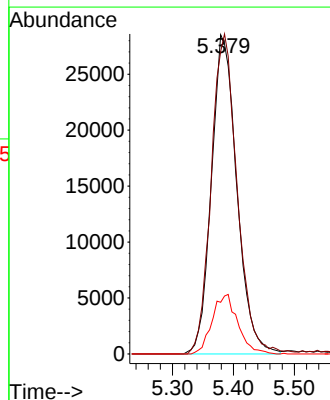
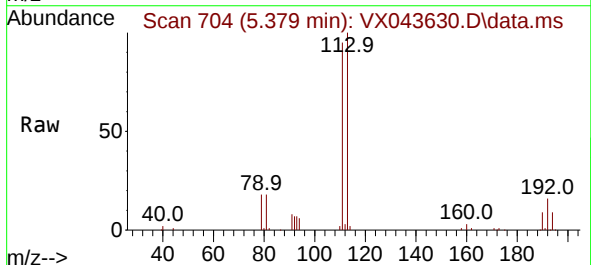
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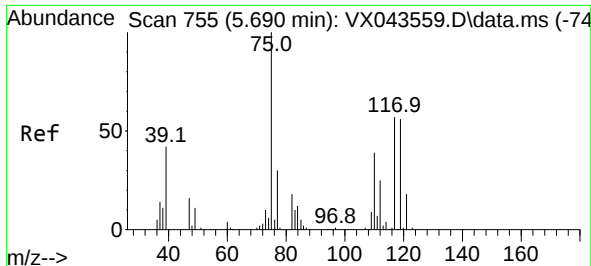
Tgt Ion:114 Resp: 272468
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.2
88 14.8 0.0 34.0



#35
Dibromofluoromethane
Concen: 44.669 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion:113 Resp: 82531
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 18.8 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#08

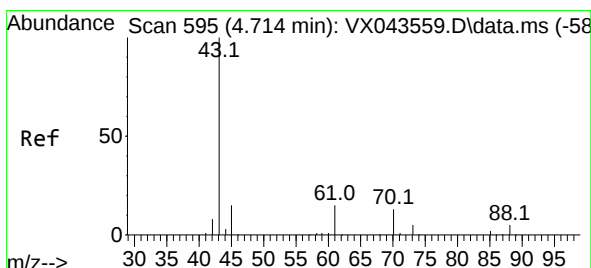
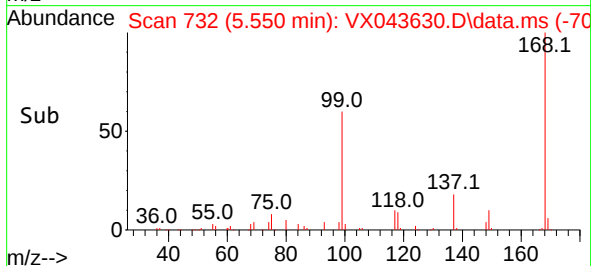
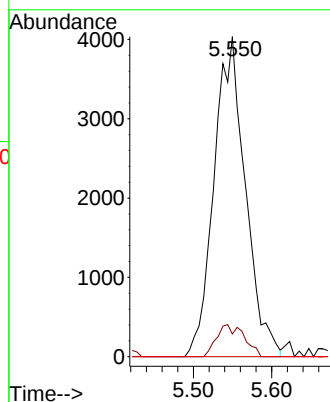
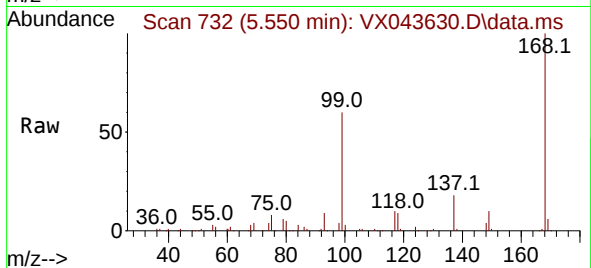
Tgt Ion: 75 Resp: 11198

Ion Ratio Lower Upper

75 100

110 8.8 17.9 53.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.893 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

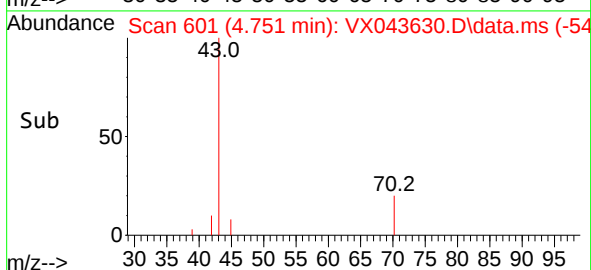
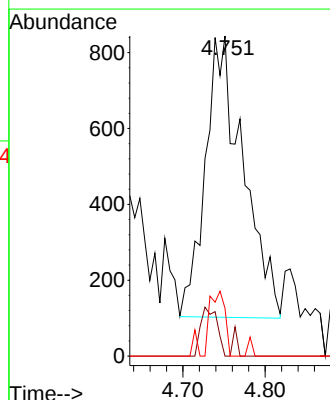
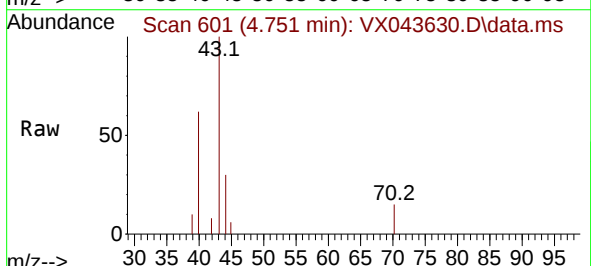
Tgt Ion: 43 Resp: 2375

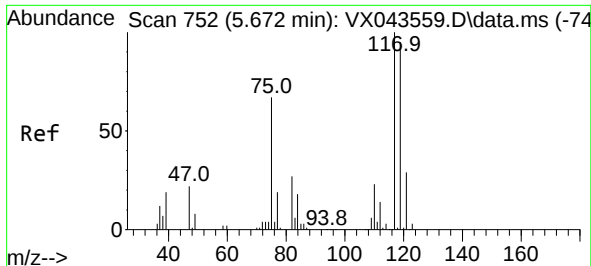
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 9.2 8.9 13.3

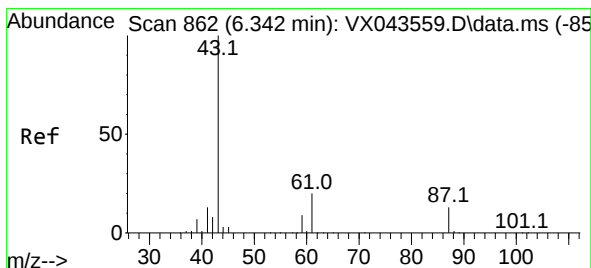
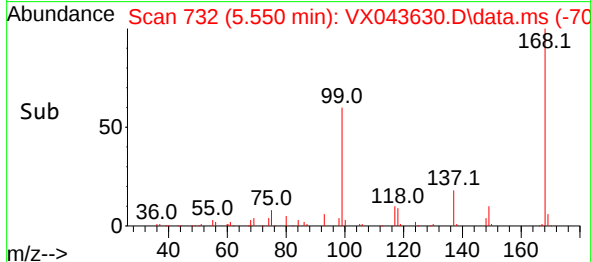
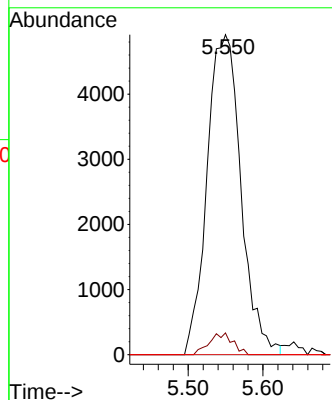
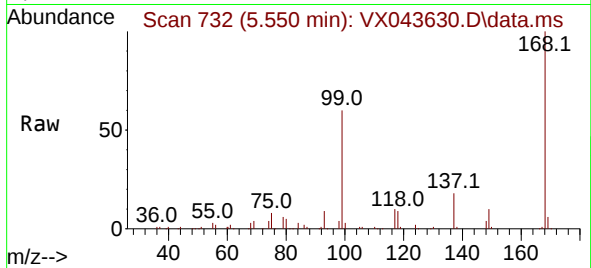




#38
Carbon Tetrachloride
Concen: 6.395 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

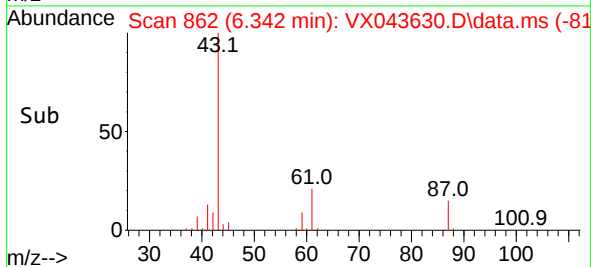
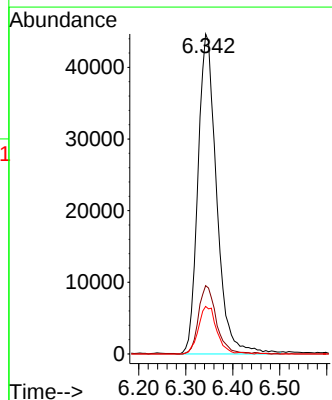
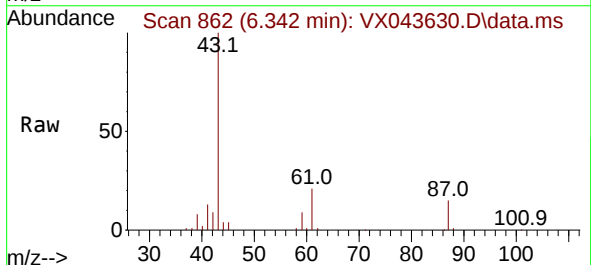
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

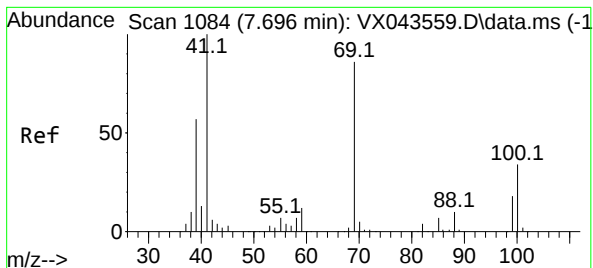
Tgt Ion:117 Resp: 15480
Ion Ratio Lower Upper
117 100
119 6.8 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 28.105 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 43 Resp: 123623
Ion Ratio Lower Upper
43 100
61 20.3 16.2 24.4
87 14.4 11.0 16.6





#48

Methyl methacrylate

Concen: 1.588 ug/l

RT: 7.641 min Scan# 1100

Delta R.T. -0.055 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#08

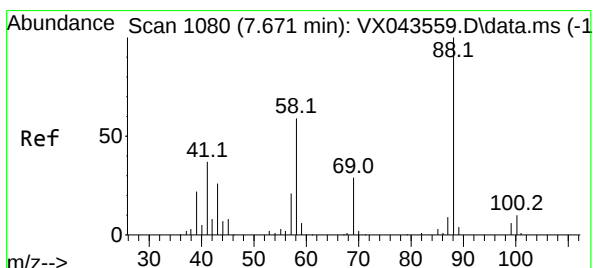
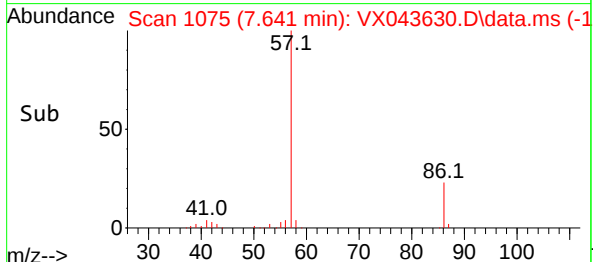
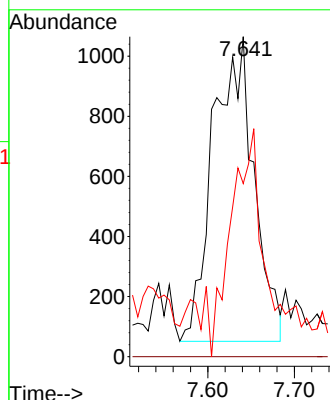
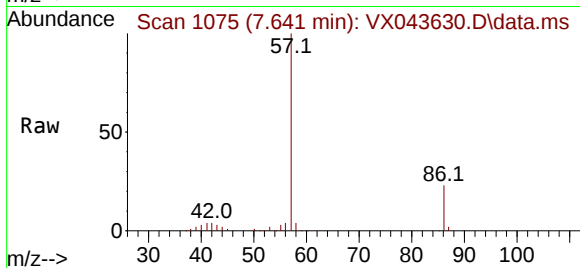
Tgt Ion: 41 Resp: 3311

Ion Ratio Lower Upper

41 100

69 0.0 67.7 101.5#

39 65.5 46.3 69.5



#49

1,4-Dioxane

Concen: 3.898 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

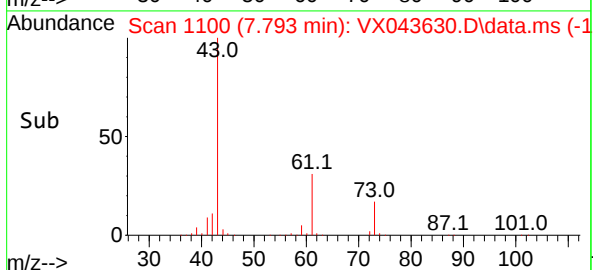
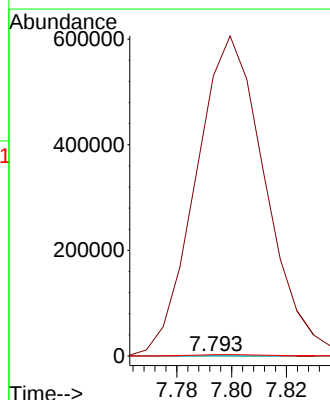
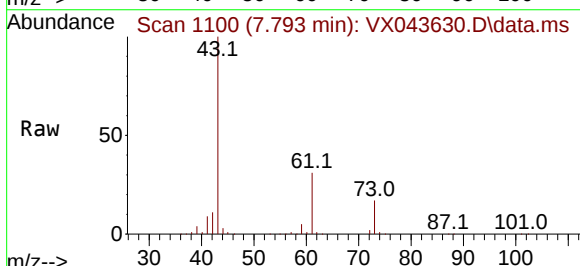
Tgt Ion: 88 Resp: 167

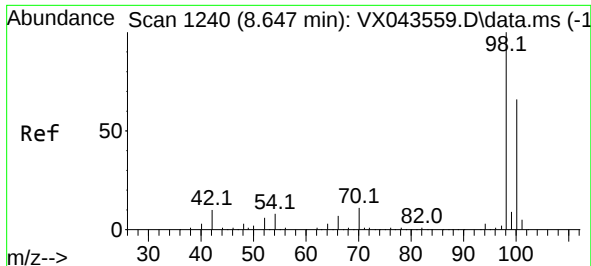
Ion Ratio Lower Upper

88 100

43 650944.3 25.3 37.9#

58 2953.9 53.9 80.9#

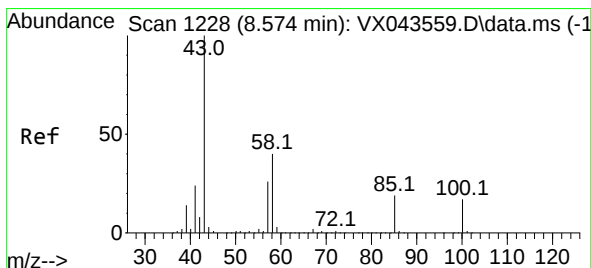
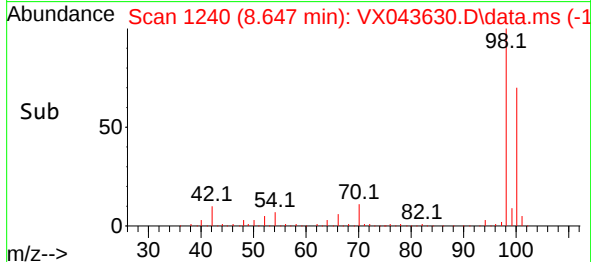
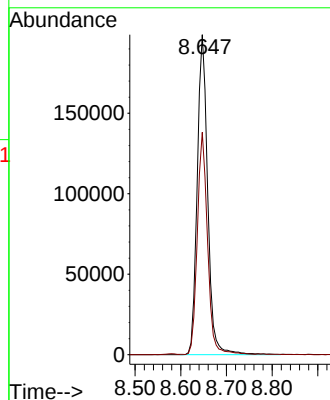
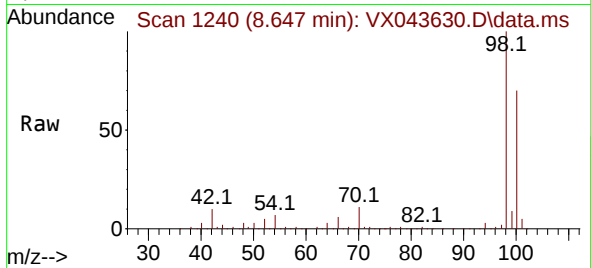




#50
Toluene-d8
Concen: 49.569 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

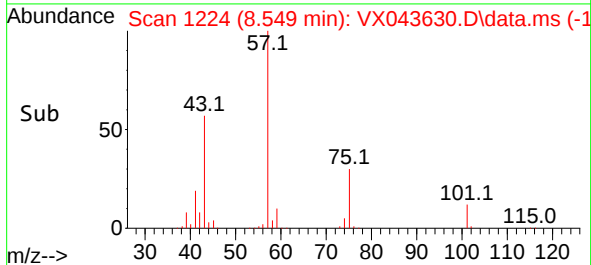
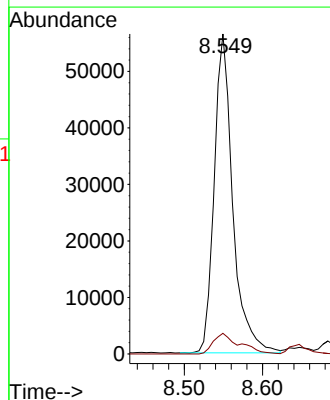
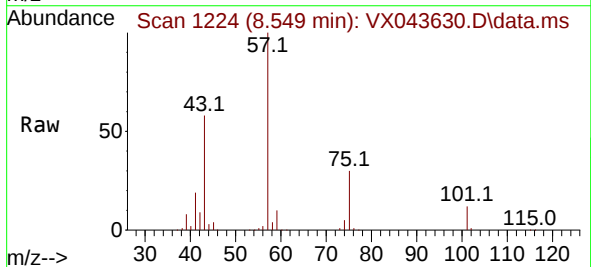
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

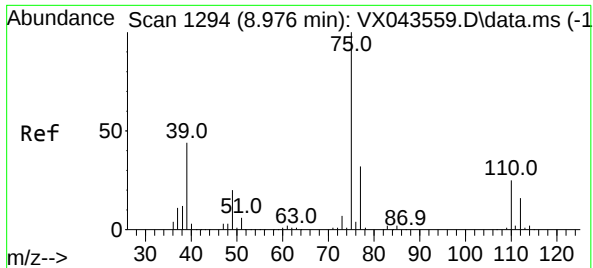
Tgt Ion: 98 Resp: 317029
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 34.574 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 43 Resp: 92691
Ion Ratio Lower Upper
43 100
58 9.1 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.327 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

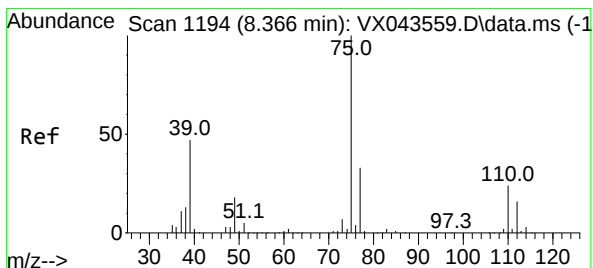
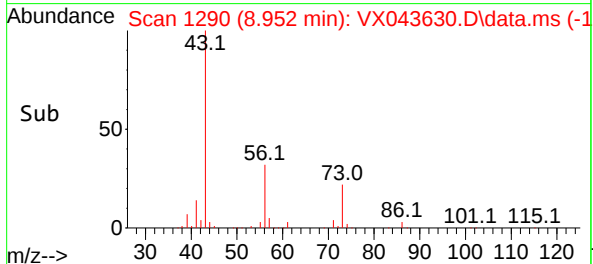
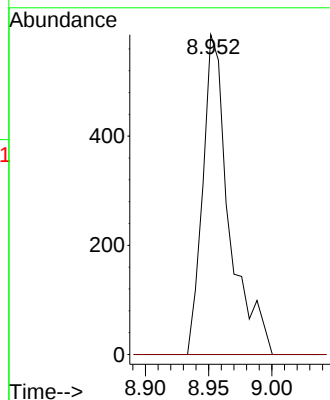
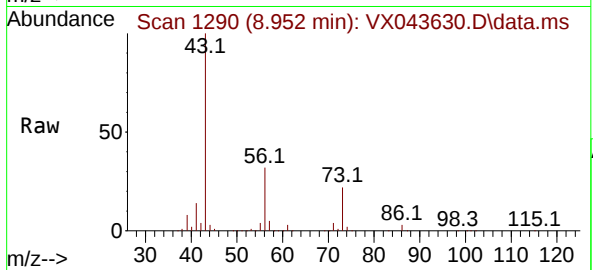
PB164501ZHE#08

Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 17.269 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043630.D

Acq: 30 Oct 2024 17:30

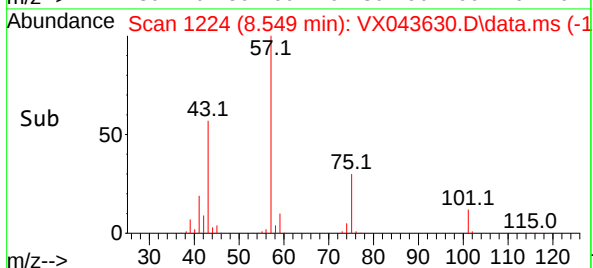
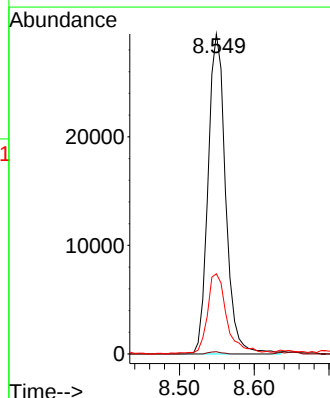
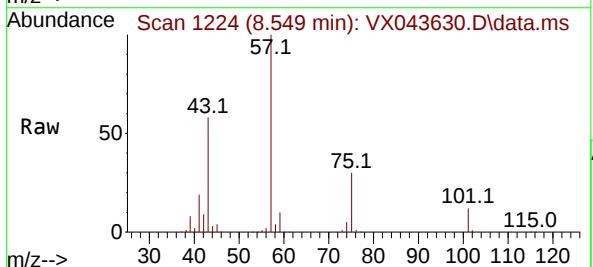
Tgt Ion: 75 Resp: 48039

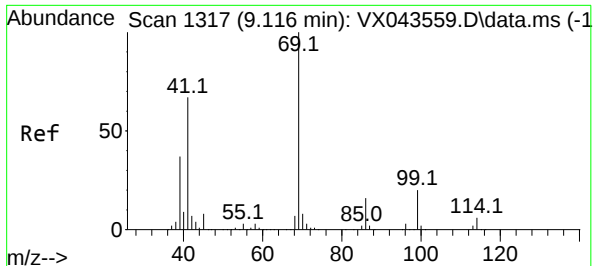
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 24.7 37.7 56.5#

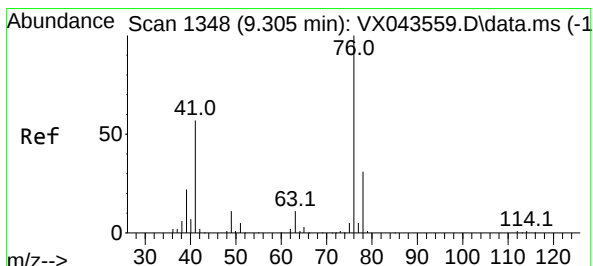
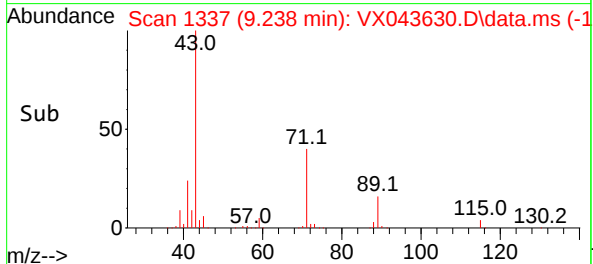
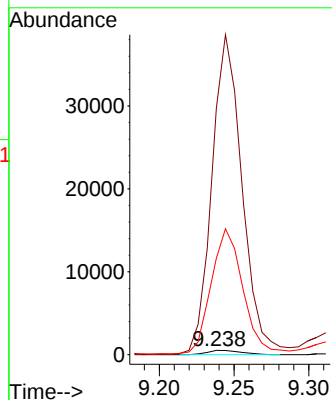
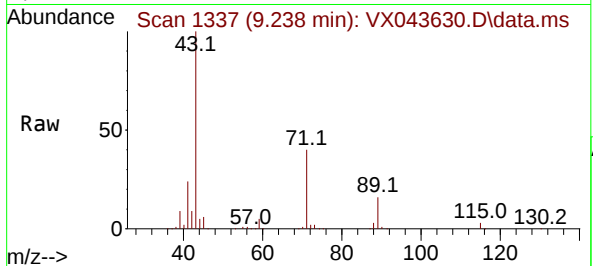




#56
Ethyl methacrylate
Concen: 0.272 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

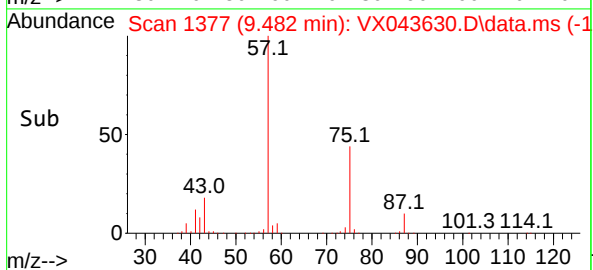
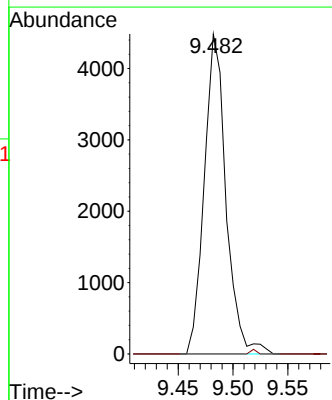
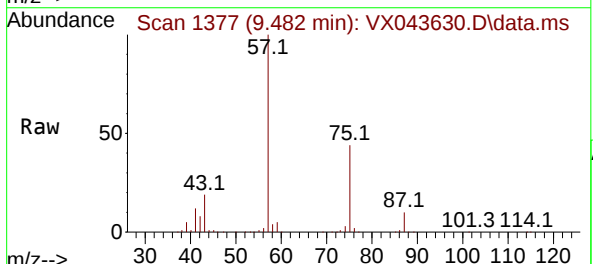
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

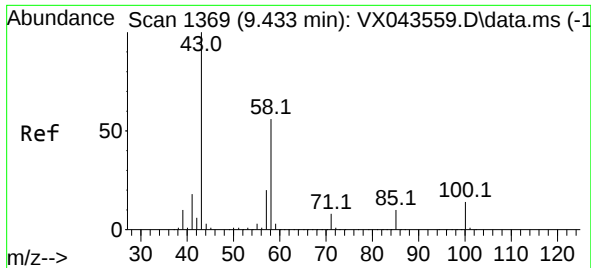
Tgt Ion: 69 Resp: 815
Ion Ratio Lower Upper
69 100
41 6642.2 53.8 80.8#
39 2740.2 29.9 44.9#



#57
1,3-Dichloropropane
Concen: 2.013 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 76 Resp: 6176
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

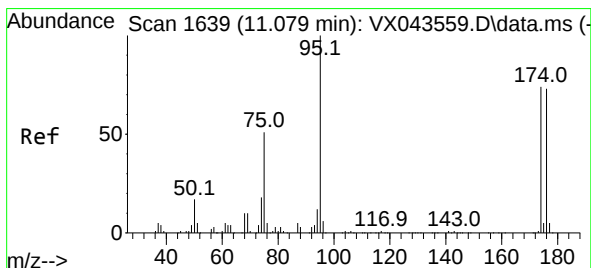
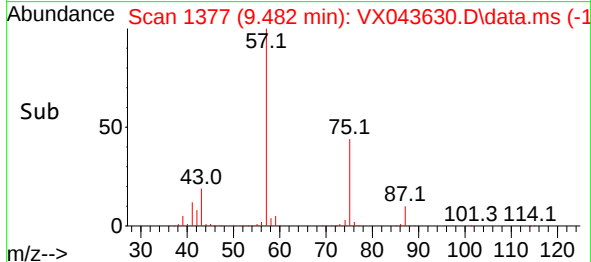
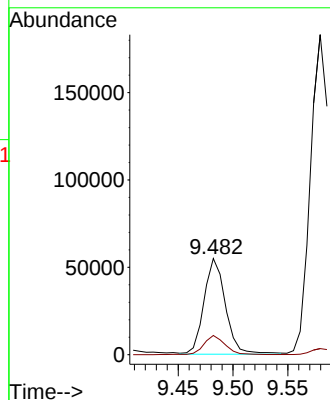
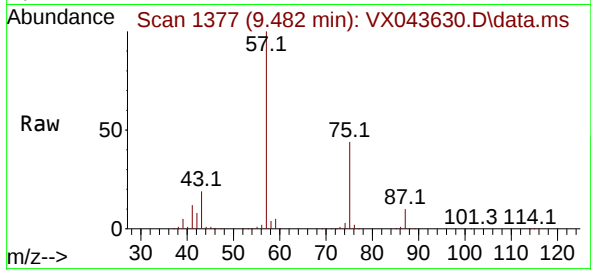




#59
2-Hexanone
Concen: 36.670 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

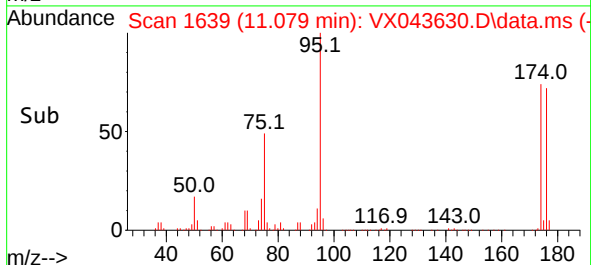
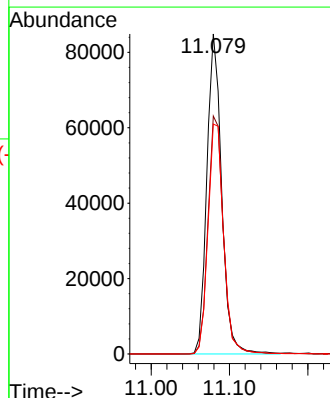
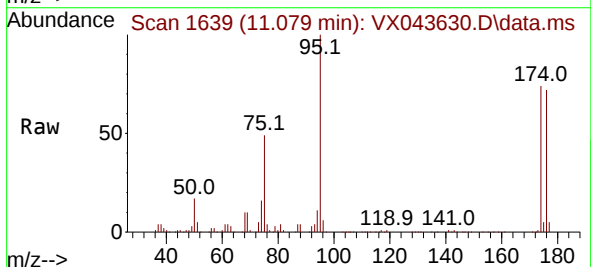
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

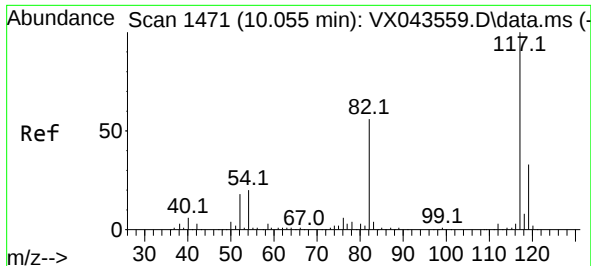
Tgt Ion: 43 Resp: 74666
Ion Ratio Lower Upper
43 100
58 20.1 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 46.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion: 95 Resp: 110922
Ion Ratio Lower Upper
95 100
174 77.4 0.0 146.6
176 76.1 0.0 139.6

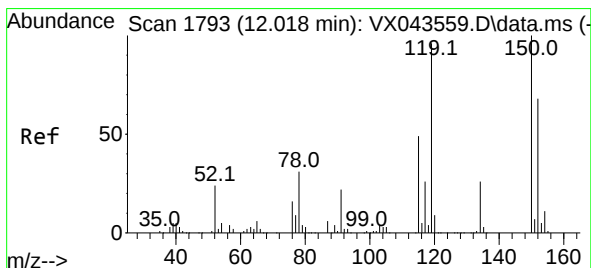
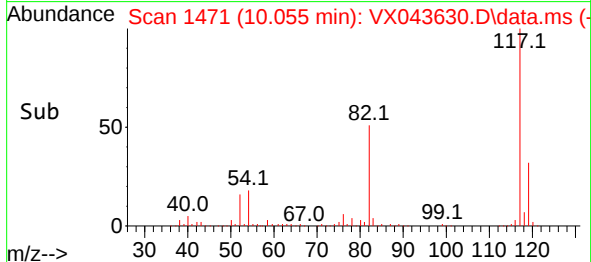
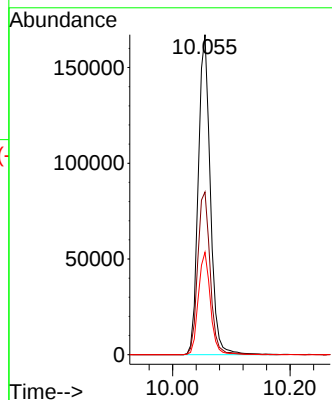
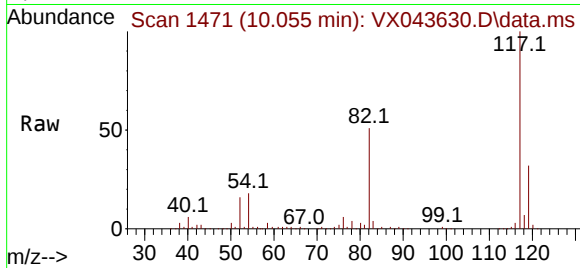




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

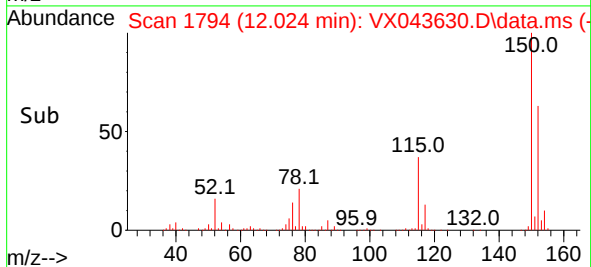
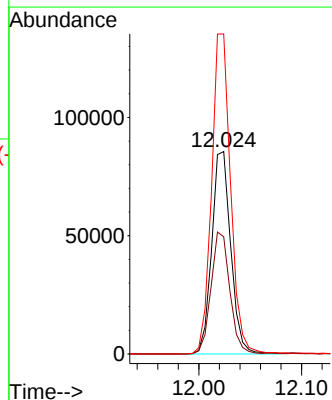
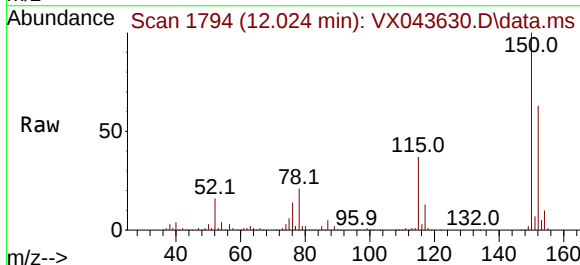
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

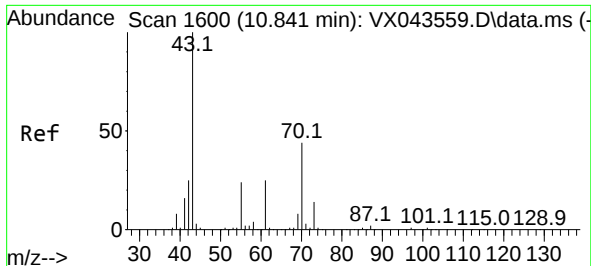
Tgt Ion:117 Resp: 238459
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion:152 Resp: 109967
Ion Ratio Lower Upper
152 100
115 59.8 42.9 128.7
150 158.7 0.0 343.6

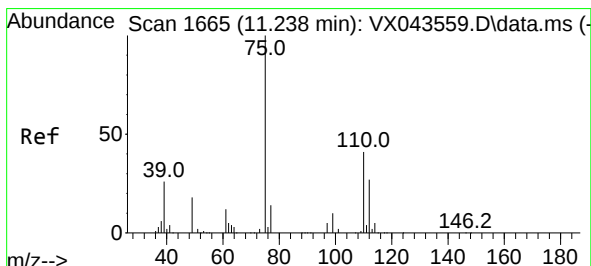
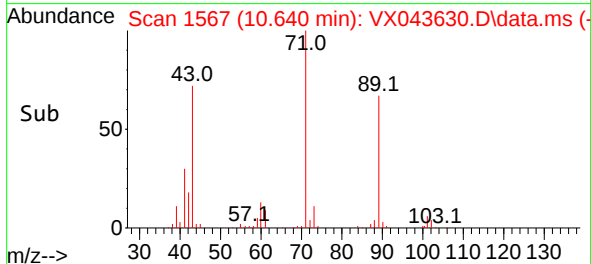
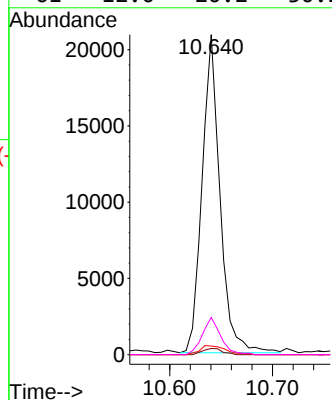
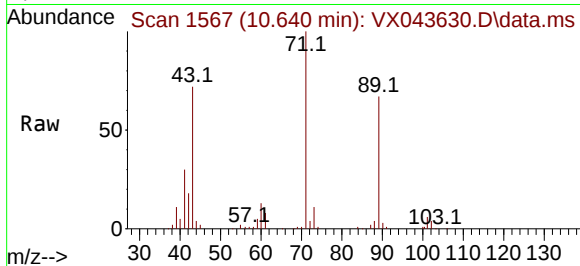




#74
N-amy1 acetate
Concen: 6.686 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

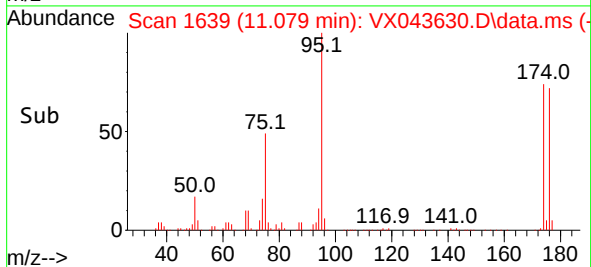
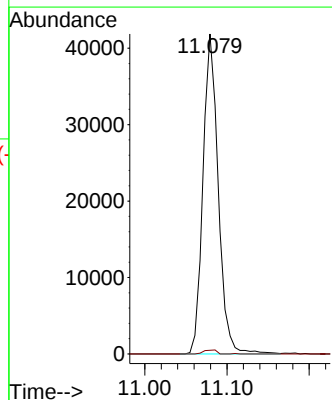
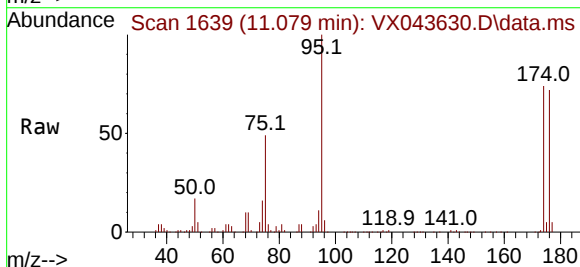
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#08

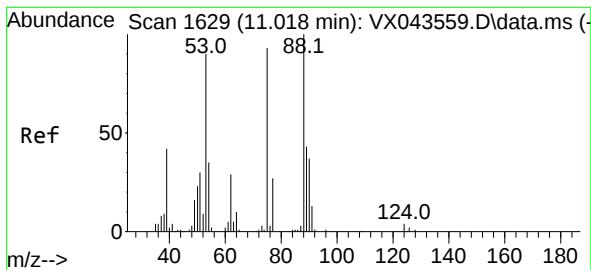
Tgt Ion:	43	Resp:	25373
Ion	Ratio	Lower	Upper
43	100		
70	2.1	34.6	52.0#
55	4.1	19.6	29.4#
61	12.0	20.2	30.2#



#76
1,2,3-Trichloropropane
Concen: 22.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043630.D
Acq: 30 Oct 2024 17:30

Tgt Ion:	75	Resp:	54043
Ion	Ratio	Lower	Upper
75	100		
77	1.1	22.4	67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.232 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043630.D
 Acq: 30 Oct 2024 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#08

Tgt Ion: 75 Resp: 54043
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

