

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043575.D
 Acq On : 28 Oct 2024 19:56
 Operator : JC/MD
 Sample : PB164394ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#07

Quant Time: Oct 29 03:30:11 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)

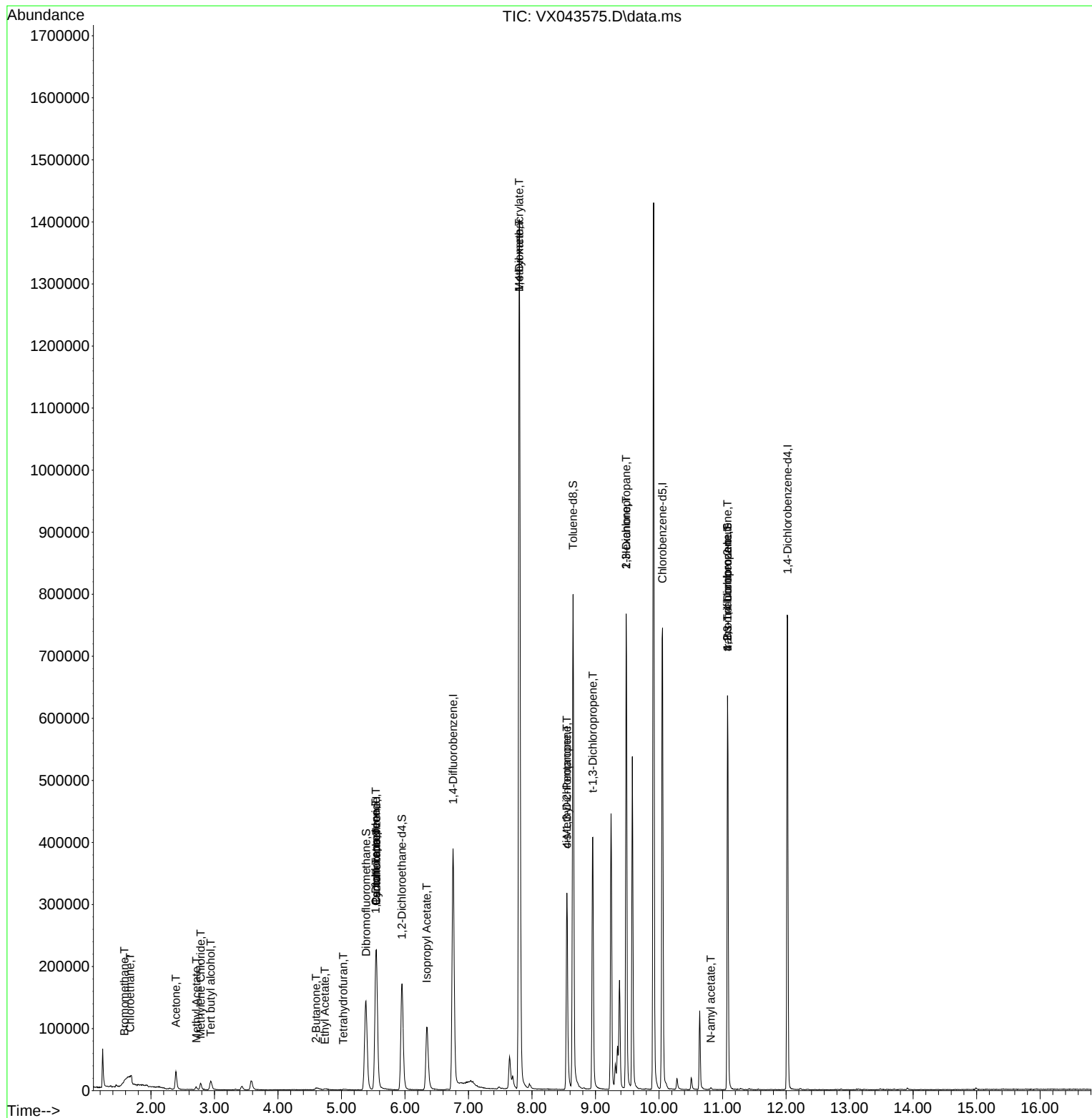
Internal Standards						
1) Pentafluorobenzene	5.550	168	220357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	415212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	164927	46.939	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.880%		
35) Dibromofluoromethane	5.385	113	128850	45.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.520%		
50) Toluene-d8	8.647	98	484731	49.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.460%		
62) 4-Bromofluorobenzene	11.079	95	175425	48.574	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.140%		
Target Compounds						Qvalue
5) Bromomethane	1.581	94	480	0.421	ug/l #	2
6) Chloroethane	1.672	64	259	0.263	ug/l #	43
11) Tert butyl alcohol	2.941	59	9066	13.824	ug/l #	100
16) Acetone	2.392	43	34677	24.853	ug/l	98
18) Methyl Acetate	2.715	43	5735	1.406	ug/l	99
20) Methylene Chloride	2.782	84	5296	1.761	ug/l	93
25) 2-Butanone	4.599	43	4032	1.981	ug/l #	88
29) Tetrahydrofuran	5.026	42	429	0.324	ug/l #	38
31) Cyclohexane	5.550	56	4652	1.254	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	17551	5.257	ug/l #	50
37) Ethyl Acetate	4.739	43	3996	0.986	ug/l	95
38) Carbon Tetrachloride	5.544	117	23559	6.387	ug/l #	15
43) Isopropyl Acetate	6.342	43	152325	22.725	ug/l	99
48) Methyl methacrylate	7.799	41	126057	39.666	ug/l #	41
49) 1,4-Dioxane	7.799	88	215	3.293	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117368	28.728	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1191	0.299	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	56451	13.317	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	6927	1.481	ug/l #	42
59) 2-Hexanone	9.482	43	92970	29.962	ug/l #	51
74) N-amyl acetate	10.817	43	1230	0.213	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	87990	24.635	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	87990	67.773	ug/l #	7

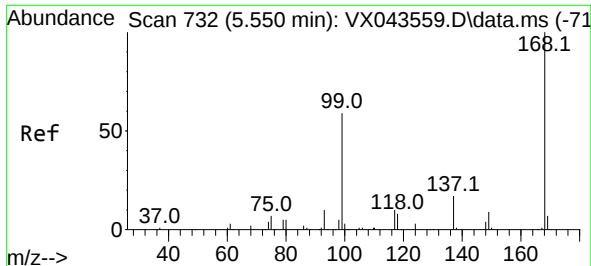
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

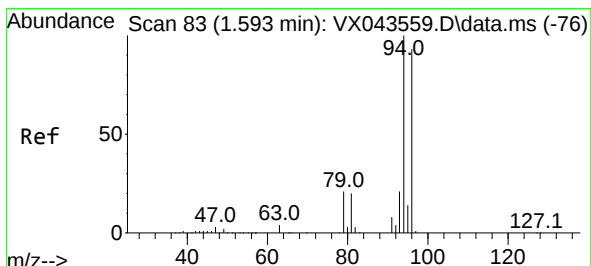
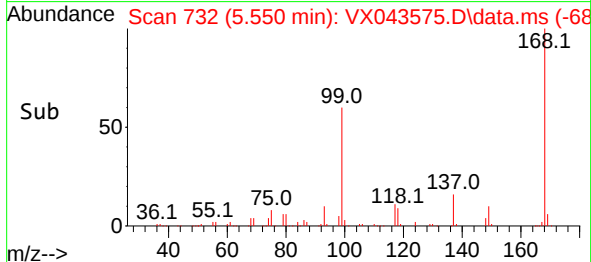
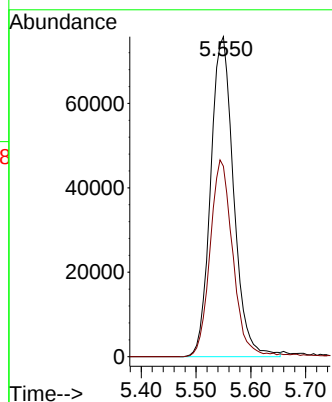
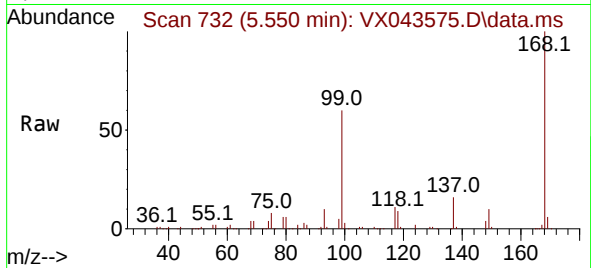




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

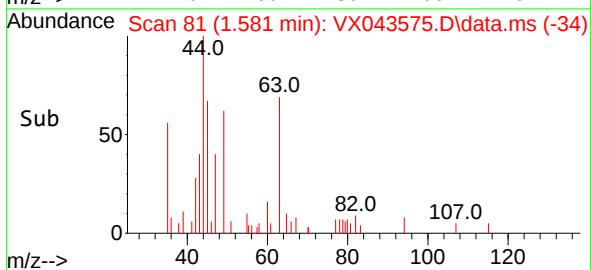
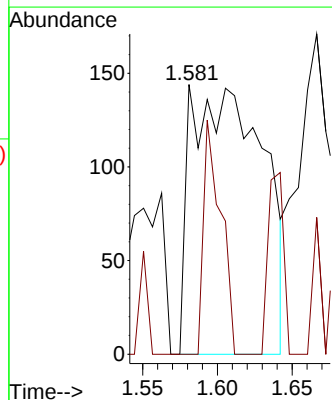
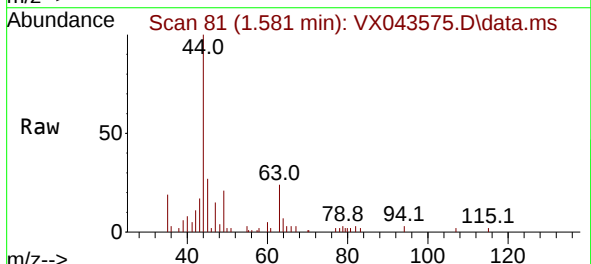
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

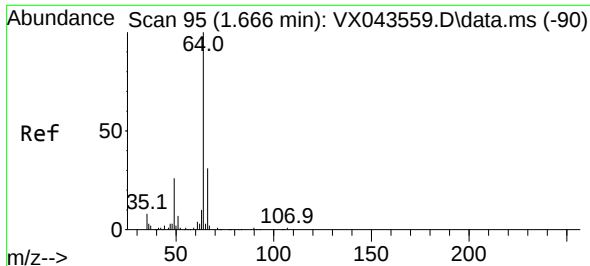
Tgt Ion:168 Resp: 220357
Ion Ratio Lower Upper
168 100
99 59.5 52.6 78.8



#5
Bromomethane
Concen: 0.421 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

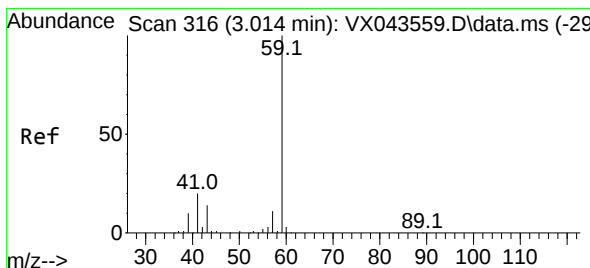
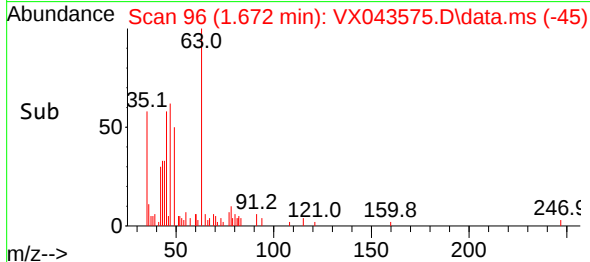
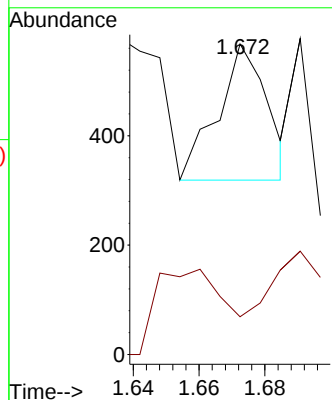
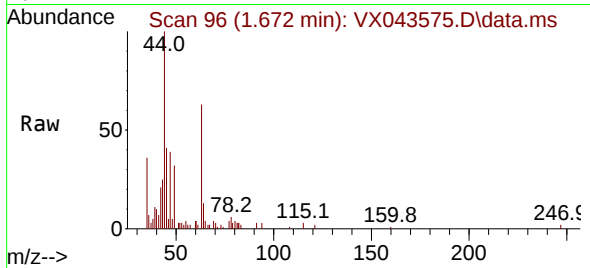




#6
Chloroethane
Concen: 0.263 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

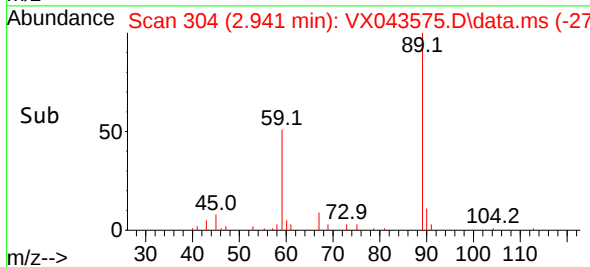
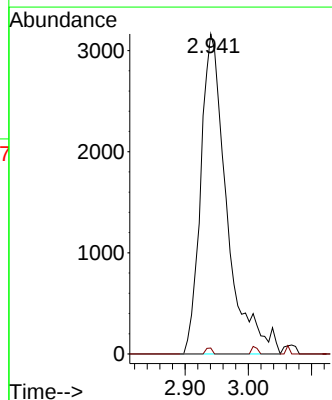
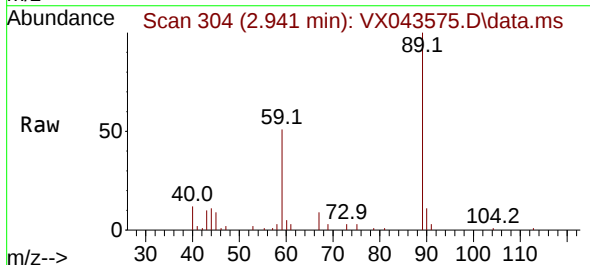
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

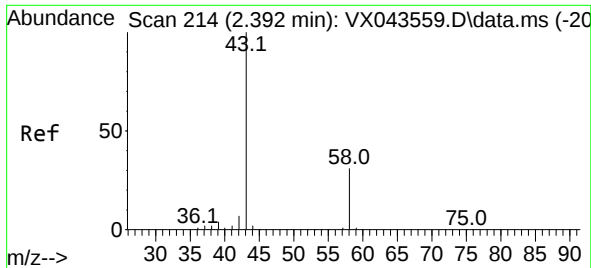
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 13.824 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.109 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 59 Resp: 9066
Ion Ratio Lower Upper
59 100
57 0.5 0.0 0.0#

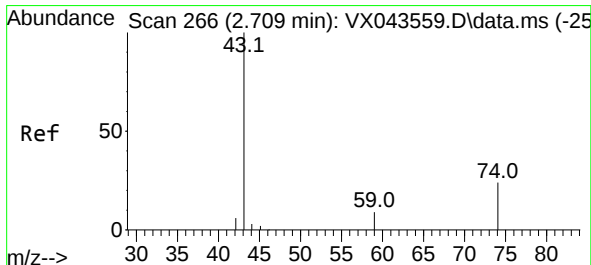
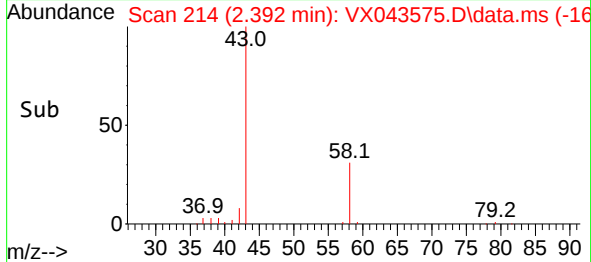
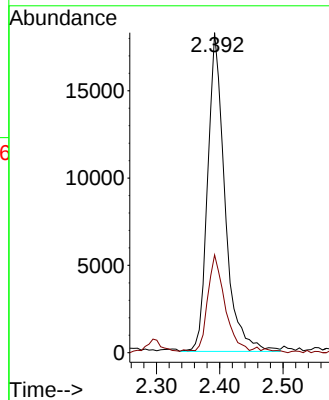
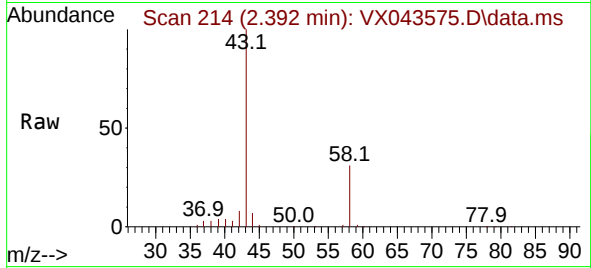




#16
Acetone
Concen: 24.853 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

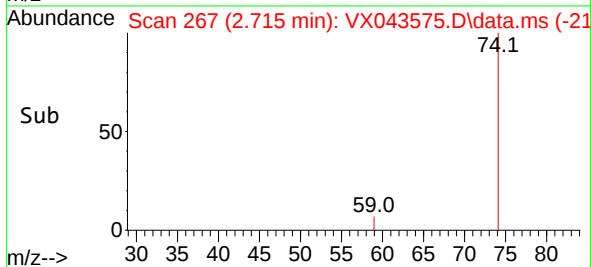
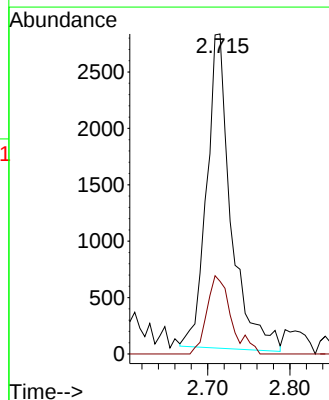
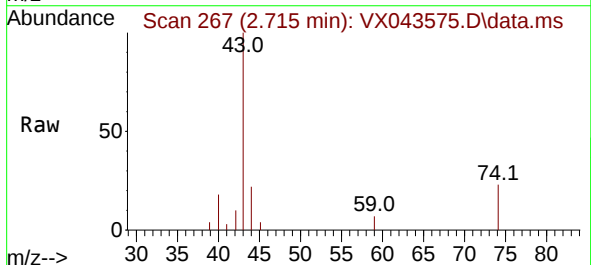
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

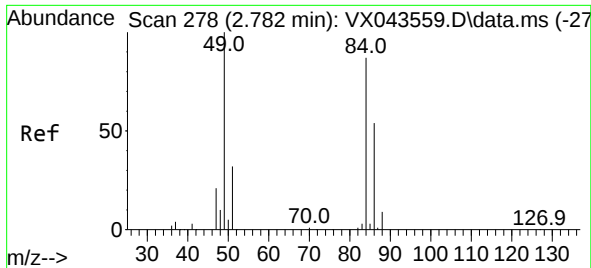
Tgt Ion: 43 Resp: 34677
Ion Ratio Lower Upper
43 100
58 30.2 25.1 37.7



#18
Methyl Acetate
Concen: 1.406 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7

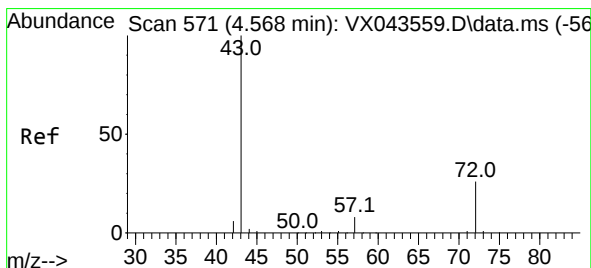
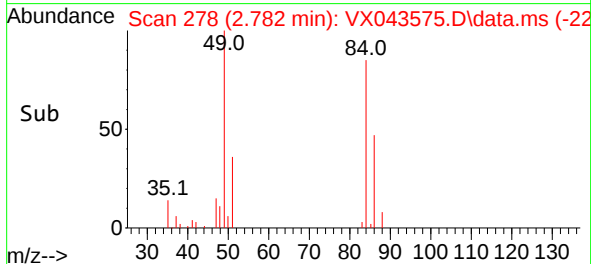
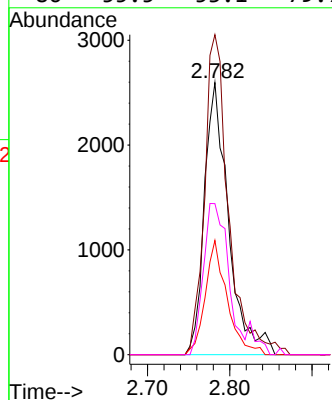
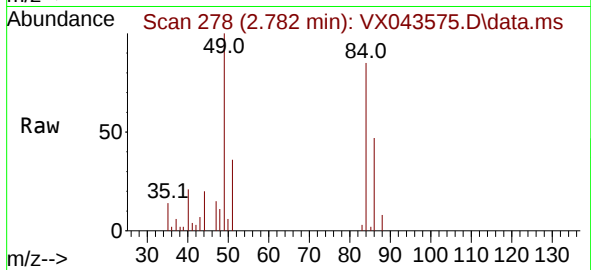




#20
Methylene Chloride
Concen: 1.761 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

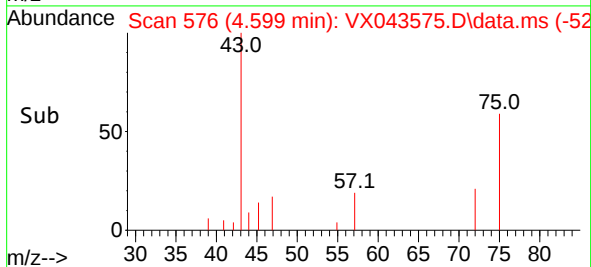
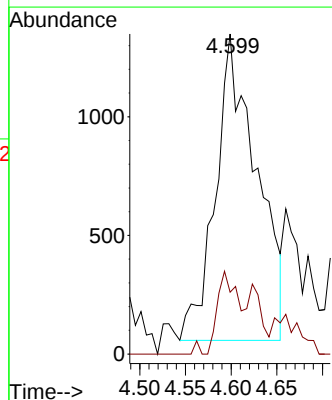
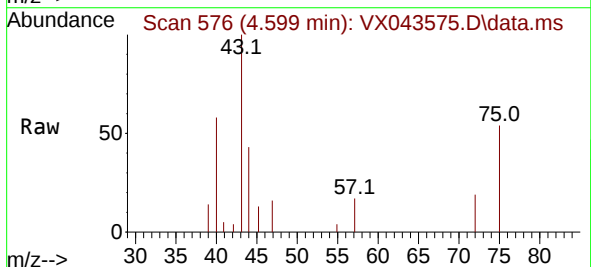
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

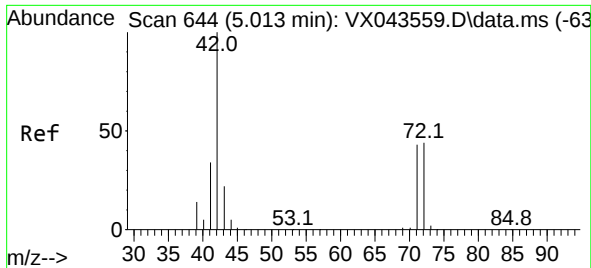
Tgt Ion:	84	Resp:	5296
Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.0	145.6
51	41.9	29.8	44.8
86	55.5	53.1	79.7



#25
2-Butanone
Concen: 1.981 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion:	43	Resp:	4032
Ion	Ratio	Lower	Upper
43	100		
72	20.2	21.1	31.7#

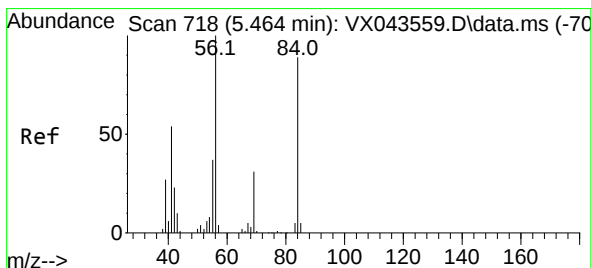
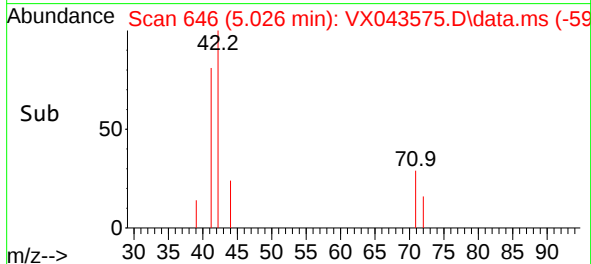
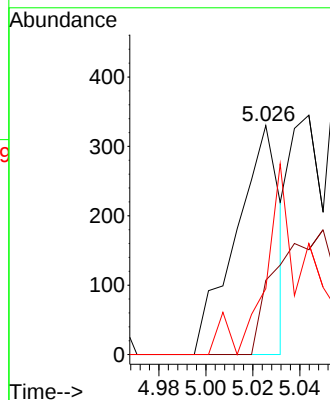
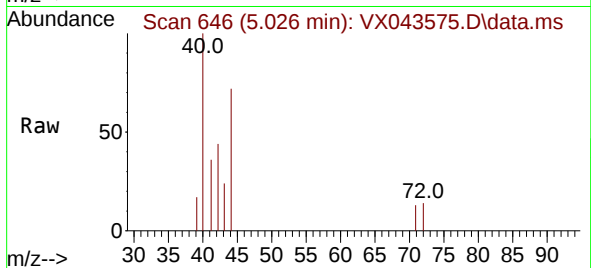




#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 5.026 min Scan# 644
Delta R.T. 0.012 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

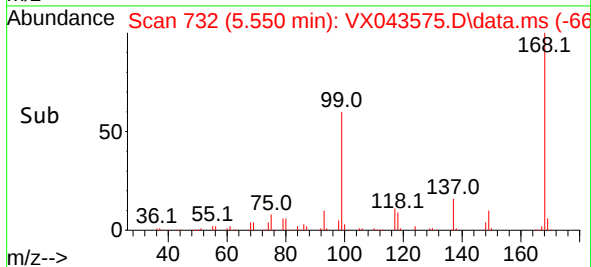
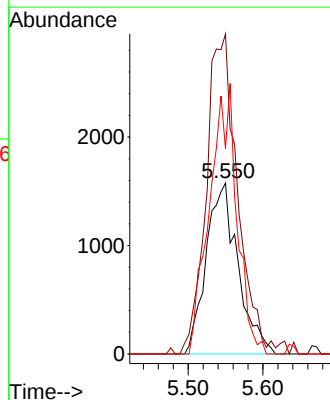
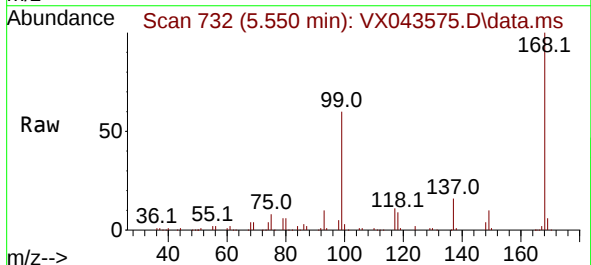
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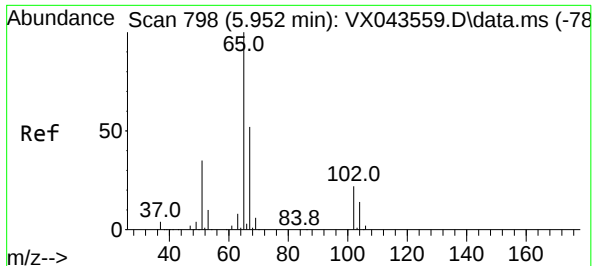
Tgt Ion:	42	Resp:	429
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	76.7	34.2	51.4#



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.092 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion:	56	Resp:	4652
Ion	Ratio	Lower	Upper
56	100		
69	187.4	24.9	37.3#
84	130.0	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 46.939 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043575.D

Acq: 28 Oct 2024 19:56

Instrument :

MSVOA_X

ClientSampleId :

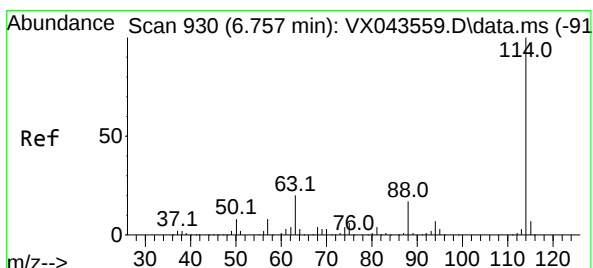
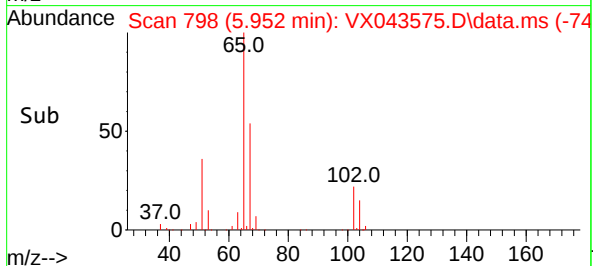
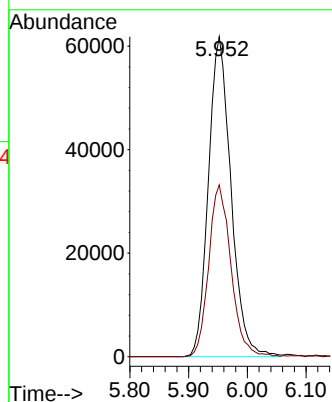
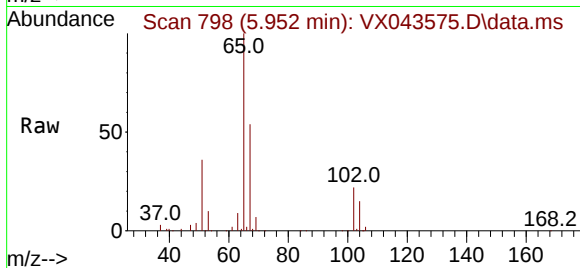
PB164394ZHE#07

Tgt Ion: 65 Resp: 164927

Ion Ratio Lower Upper

65 100

67 53.0 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: VX043575.D

Acq: 28 Oct 2024 19:56

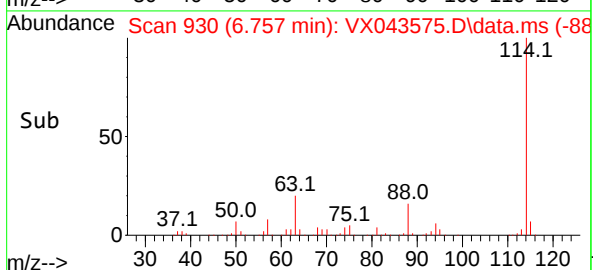
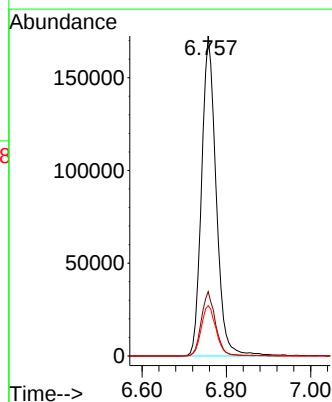
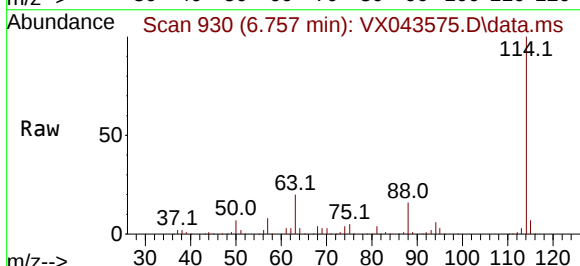
Tgt Ion: 114 Resp: 415212

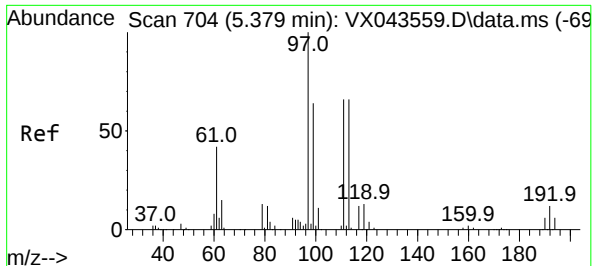
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.2

88 15.7 0.0 34.0

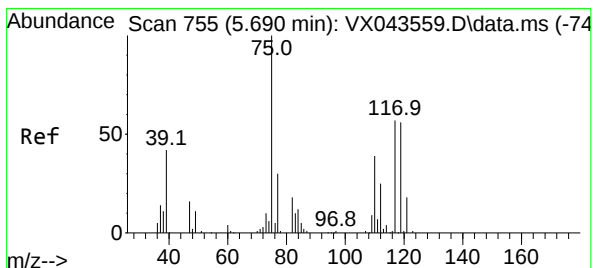
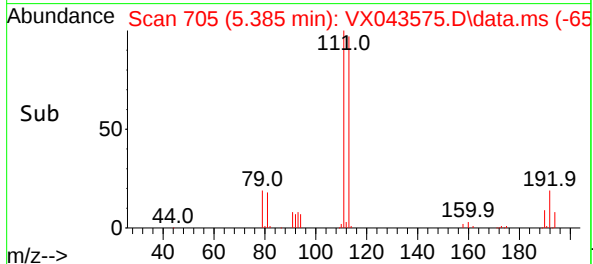
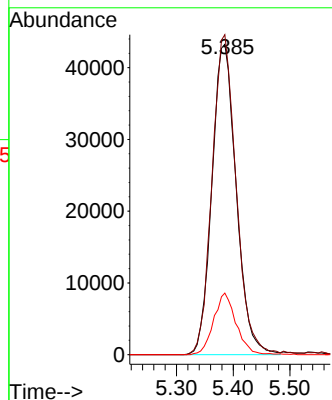
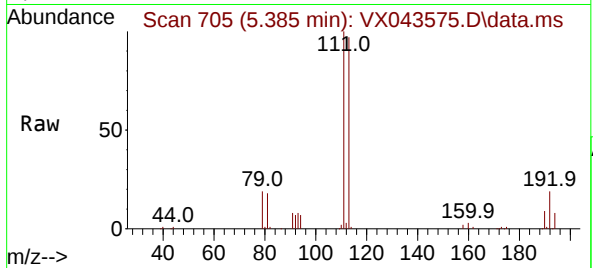




#35
Dibromofluoromethane
Concen: 45.764 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

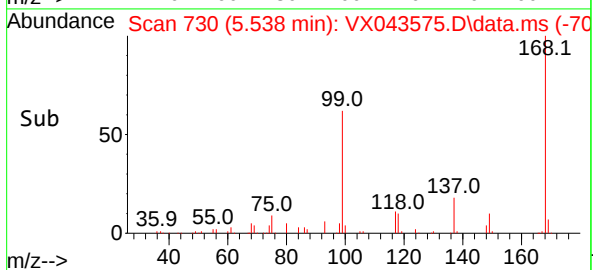
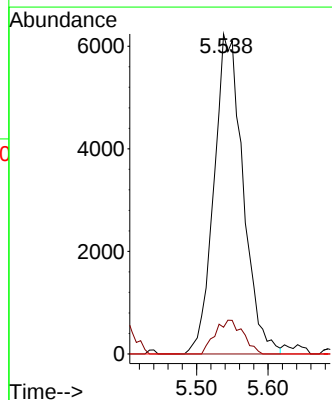
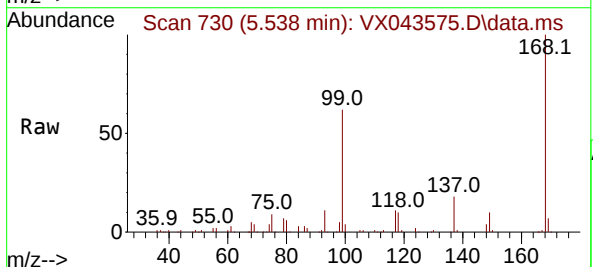
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MSVOA_X
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PB164394ZHE#07

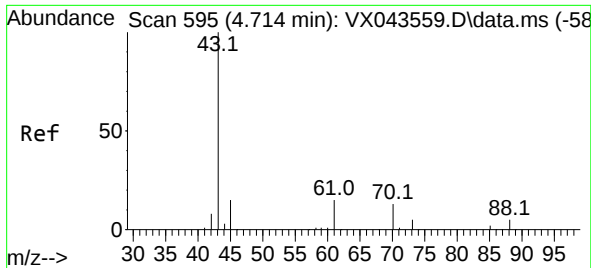
Tgt Ion:113 Resp: 128850
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 18.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 75 Resp: 17551
Ion Ratio Lower Upper
75 100
110 10.2 17.9 53.7#
77 0.0 25.0 37.4#

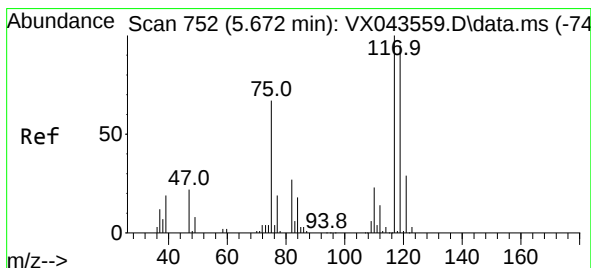
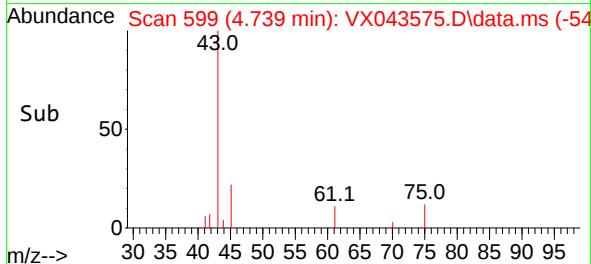
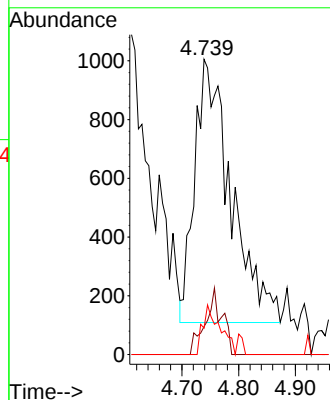
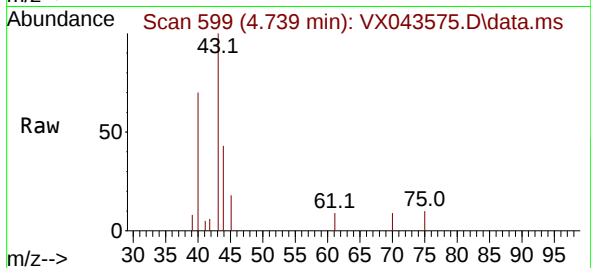




#37
Ethyl Acetate
Concen: 0.986 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

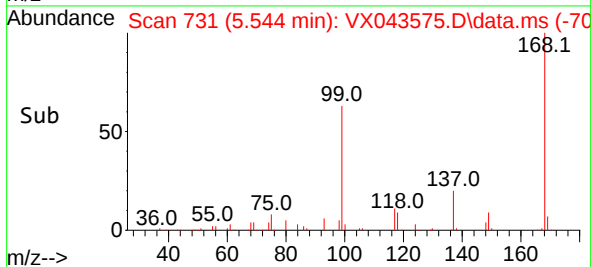
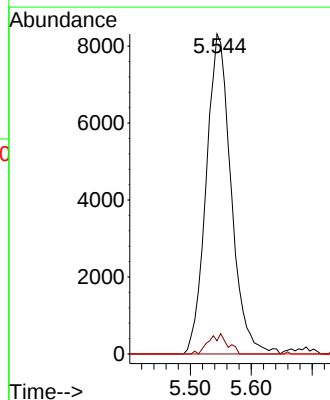
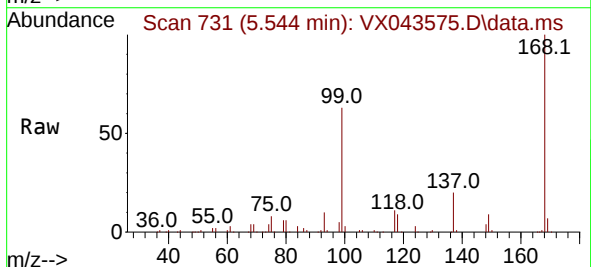
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

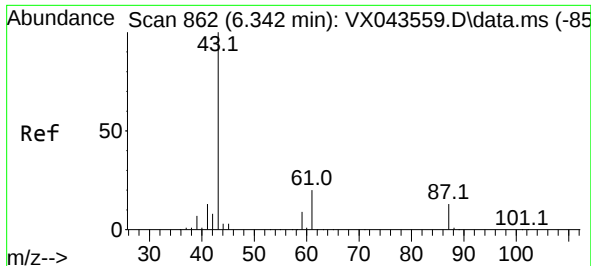
Tgt Ion:	43	Resp:	3996
Ion	Ratio	Lower	Upper
43	100		
61	11.7	11.0	16.6
70	8.9	8.9	13.3



#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion:	117	Resp:	23559
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.0	115.6#
121	0.0	24.7	37.1#

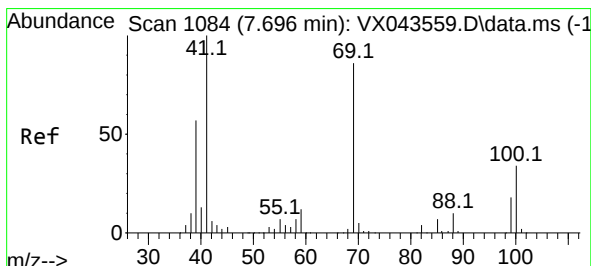
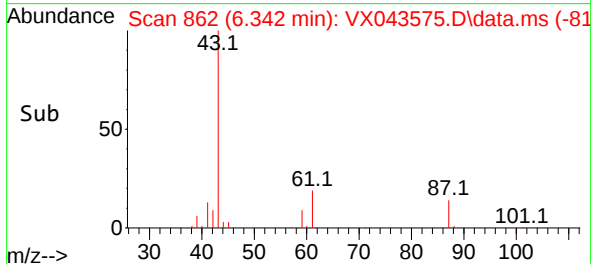
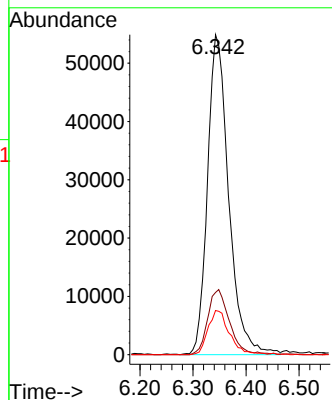
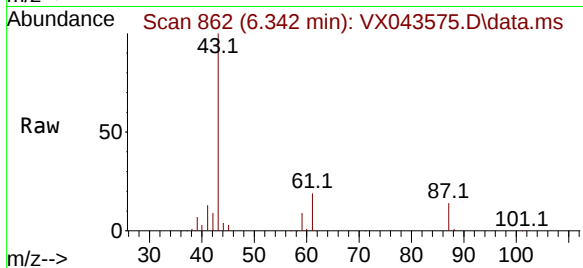




#43
Isopropyl Acetate
Concen: 22.725 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

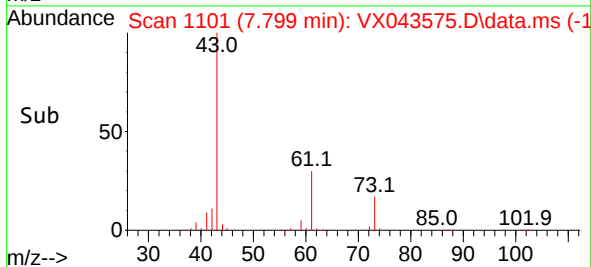
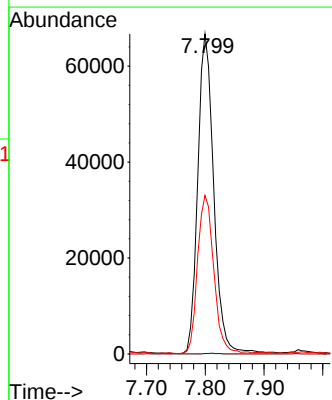
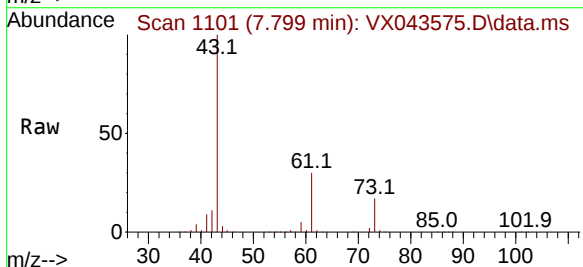
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

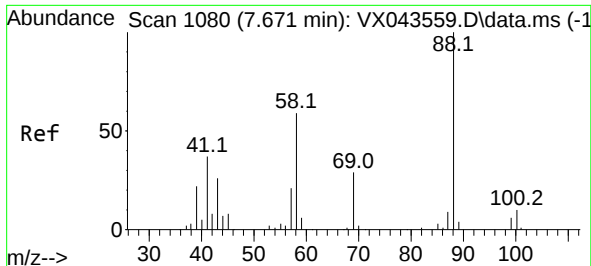
Tgt Ion: 43 Resp: 152325
Ion Ratio Lower Upper
43 100
61 20.9 16.2 24.4
87 13.9 11.0 16.6



#48
Methyl methacrylate
Concen: 39.666 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 41 Resp: 126057
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 50.3 46.3 69.5

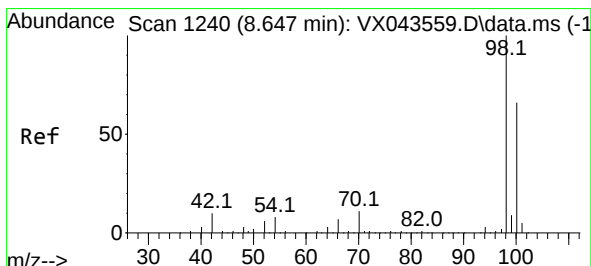
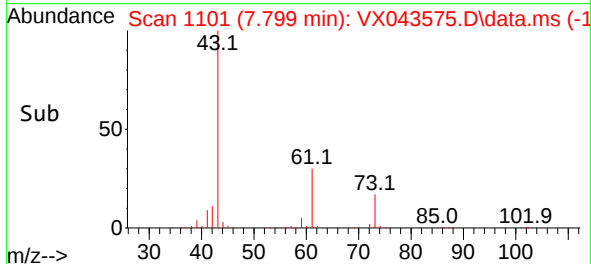
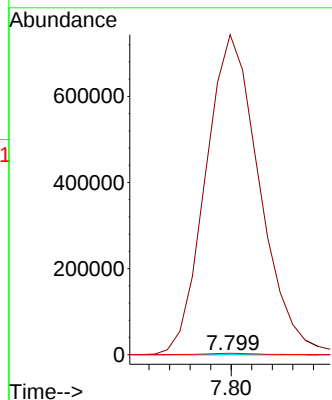
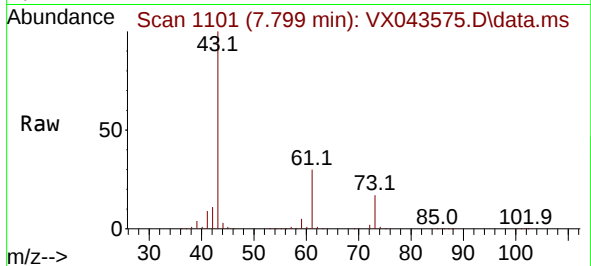




#49
1,4-Dioxane
Concen: 3.293 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

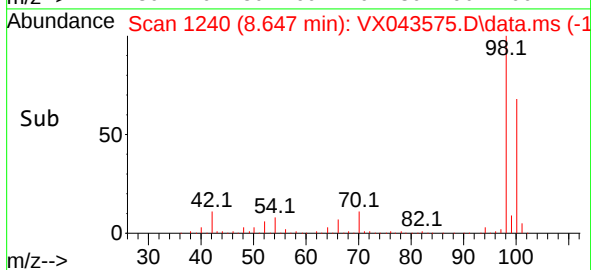
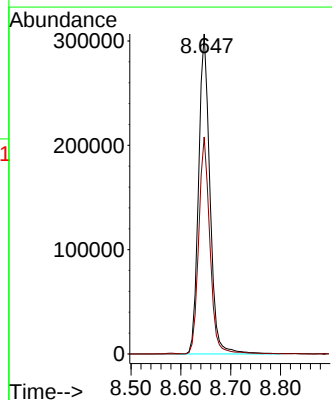
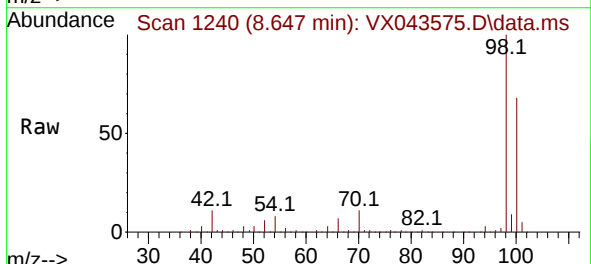
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

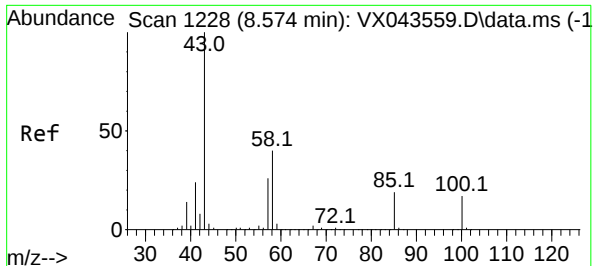
Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 639402.3 25.3 37.9#
58 2685.6 53.9 80.9#



#50
Toluene-d8
Concen: 49.735 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 98 Resp: 484731
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2

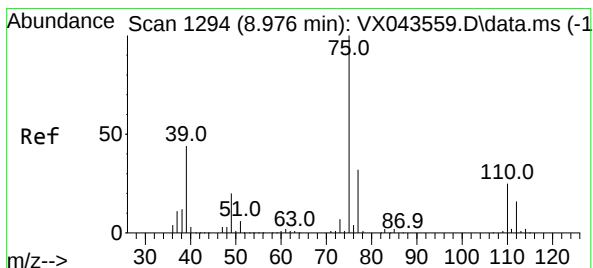
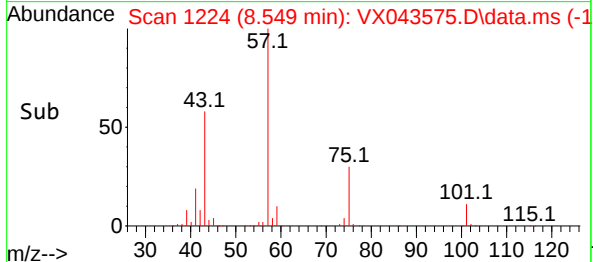
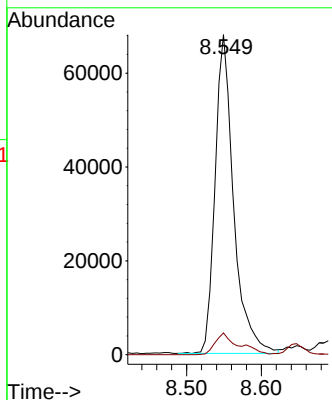
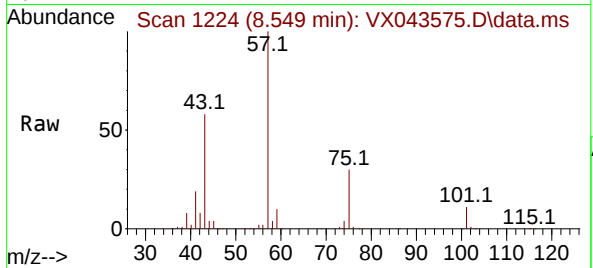




#51
4-Methyl-2-Pentanone
Concen: 28.728 ug/l
RT: 8.549 min Scan# 117368
Delta R.T. -0.030 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

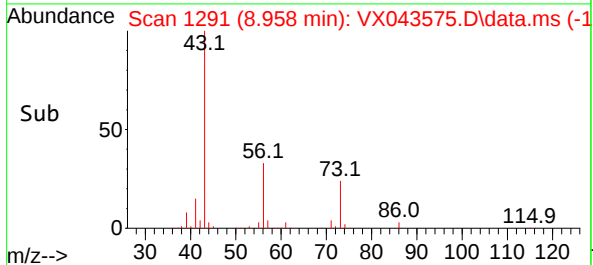
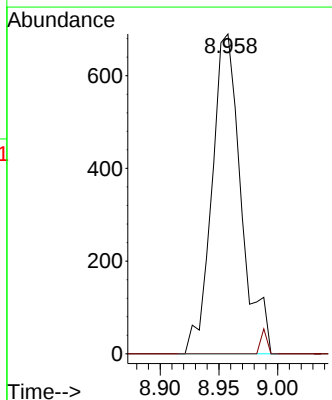
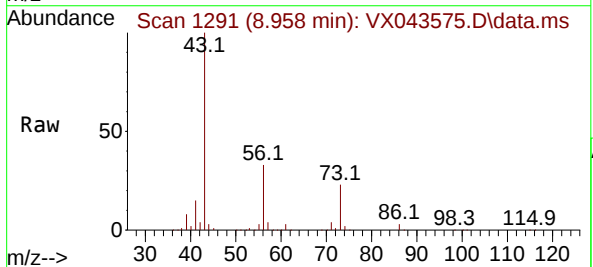
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

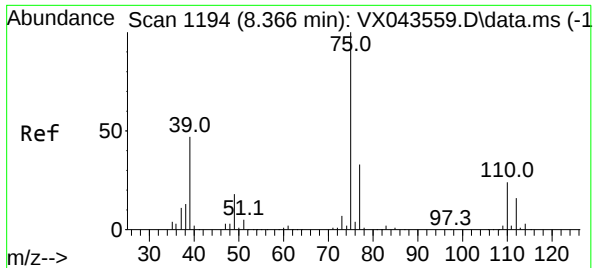
Tgt Ion: 43 Resp: 117368
Ion Ratio Lower Upper
43 100
58 8.6 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 75 Resp: 1191
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

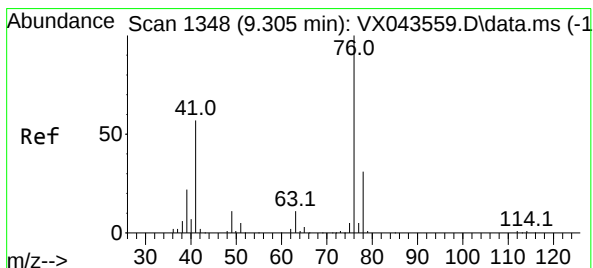
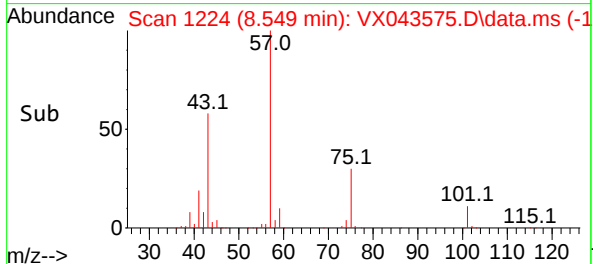
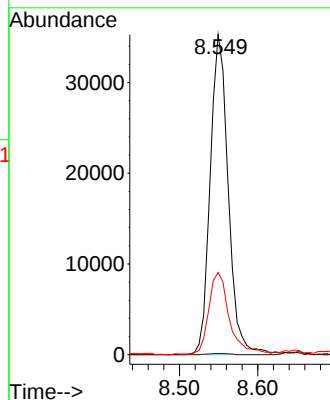
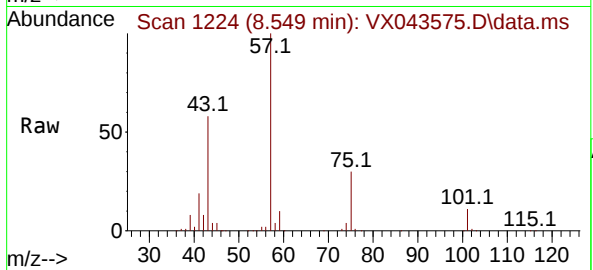




#54
 cis-1,3-Dichloropropene
 Concen: 13.317 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043575.D
 Acq: 28 Oct 2024 19:56

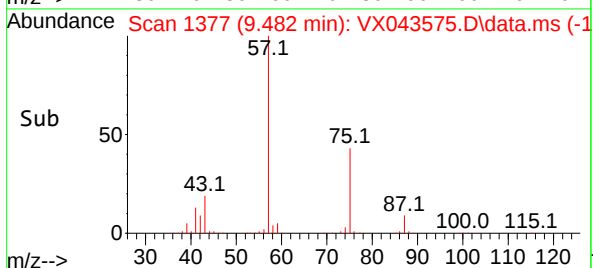
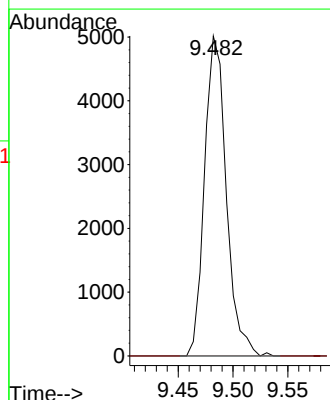
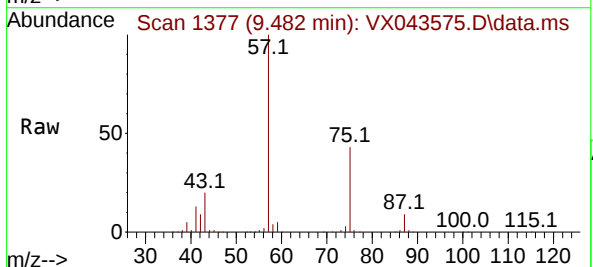
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#07

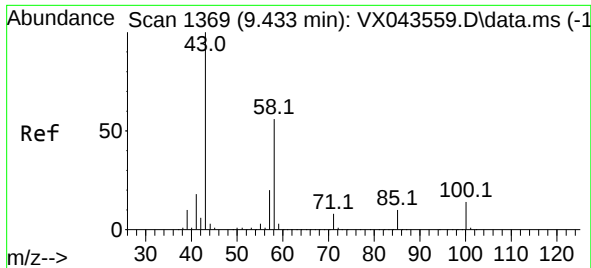
Tgt Ion: 75 Resp: 56451
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 25.5 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.481 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043575.D
 Acq: 28 Oct 2024 19:56

Tgt Ion: 76 Resp: 6927
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

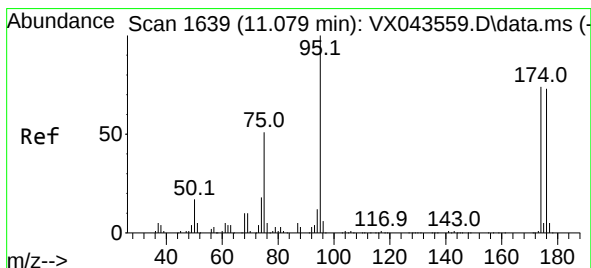
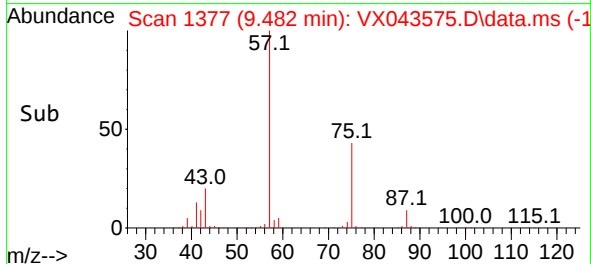
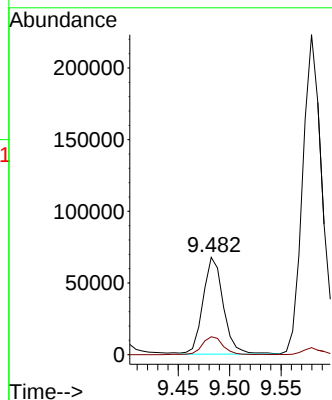
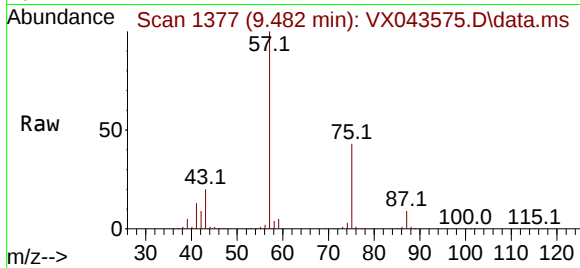




#59
2-Hexanone
Concen: 29.962 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

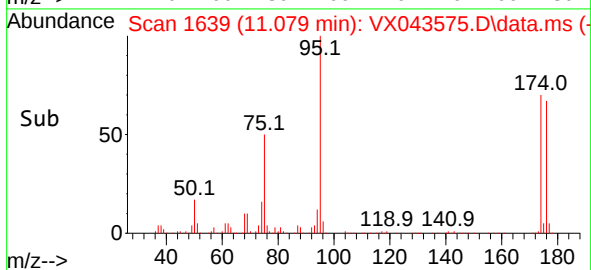
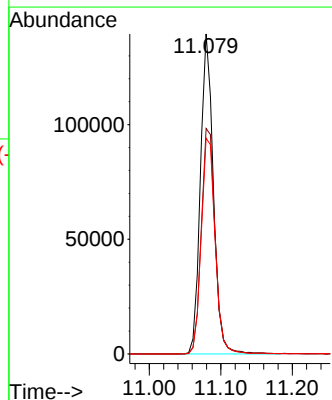
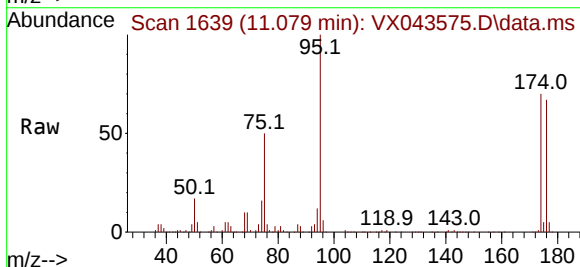
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

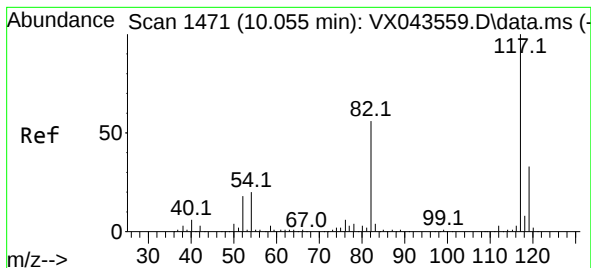
Tgt Ion: 43 Resp: 92970
Ion Ratio Lower Upper
43 100
58 19.4 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 48.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion: 95 Resp: 175425
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.6
176 72.7 0.0 139.6

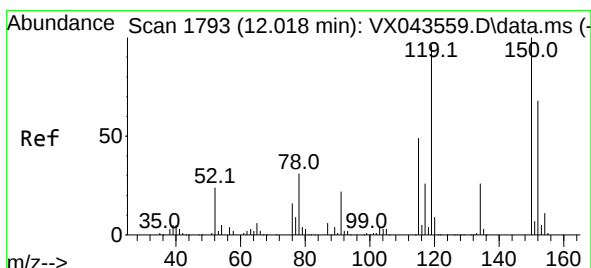
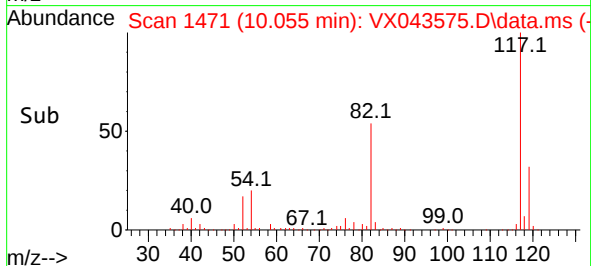
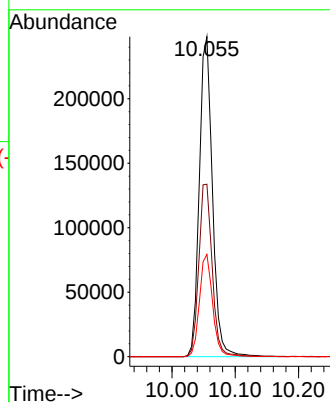
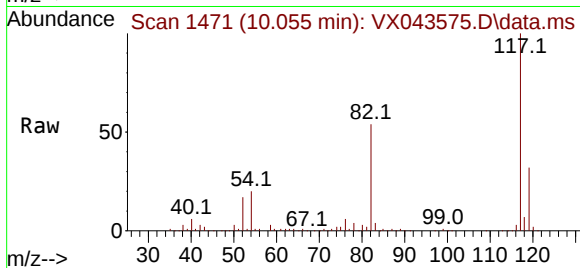




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

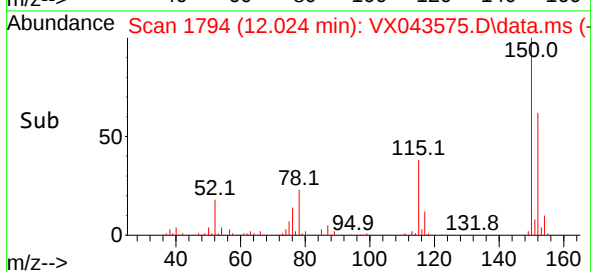
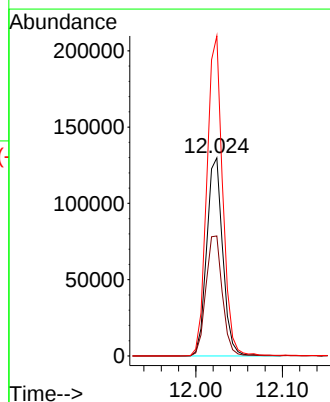
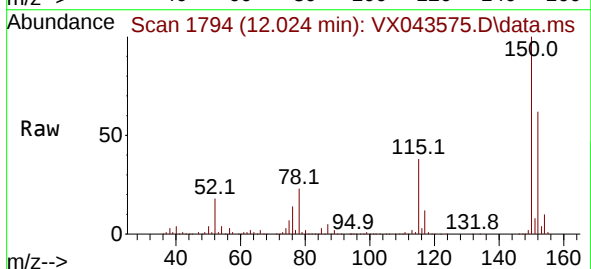
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#07

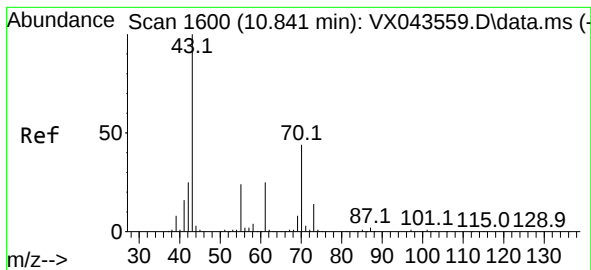
Tgt Ion:117 Resp: 358998
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043575.D
Acq: 28 Oct 2024 19:56

Tgt Ion:152 Resp: 167047
Ion Ratio Lower Upper
152 100
115 62.3 42.9 128.7
150 159.3 0.0 343.6





#74

N-amy1 acetate

Concen: 0.213 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX043575.D

Acq: 28 Oct 2024 19:56

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#07

Tgt Ion: 43 Resp: 1230

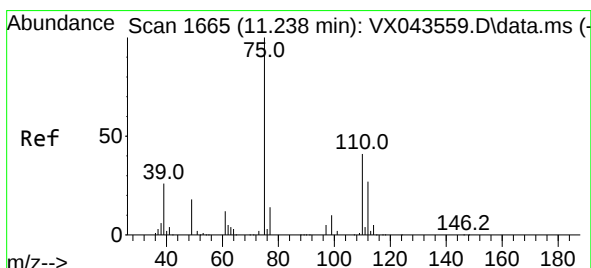
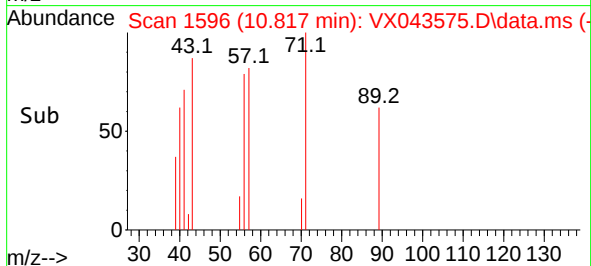
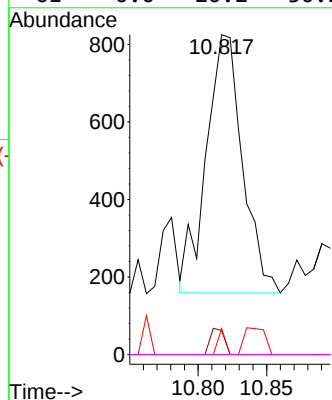
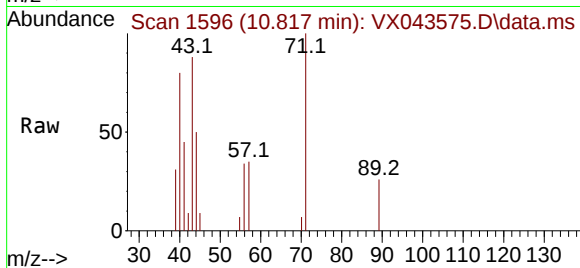
Ion Ratio Lower Upper

43 100

70 3.9 34.6 52.0#

55 0.0 19.6 29.4#

61 0.0 20.2 30.2#



#76

1,2,3-Trichloropropane

Concen: 24.635 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043575.D

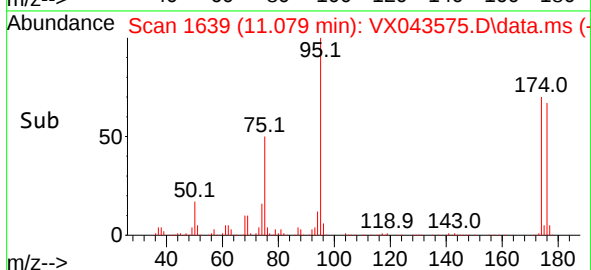
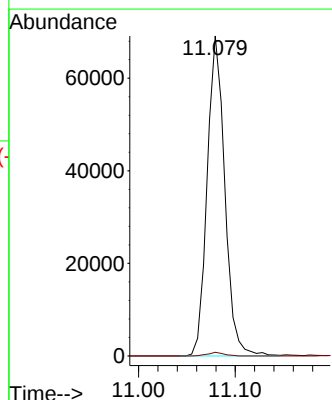
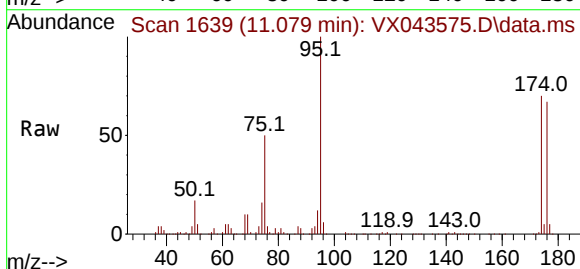
Acq: 28 Oct 2024 19:56

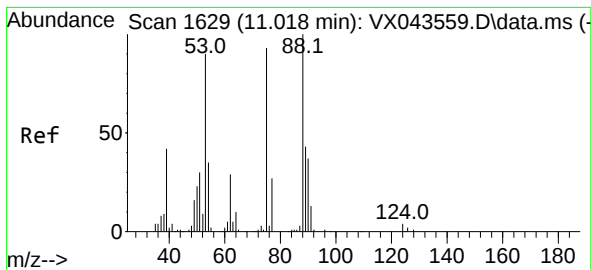
Tgt Ion: 75 Resp: 87990

Ion Ratio Lower Upper

75 100

77 1.0 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.773 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043575.D
 Acq: 28 Oct 2024 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#07

Tgt Ion: 75 Resp: 87990
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.1 38.6 58.0#

