

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043579.D
 Acq On : 28 Oct 2024 21:28
 Operator : JC/MD
 Sample : PB164394ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#11

Quant Time: Oct 29 03:32:08 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)

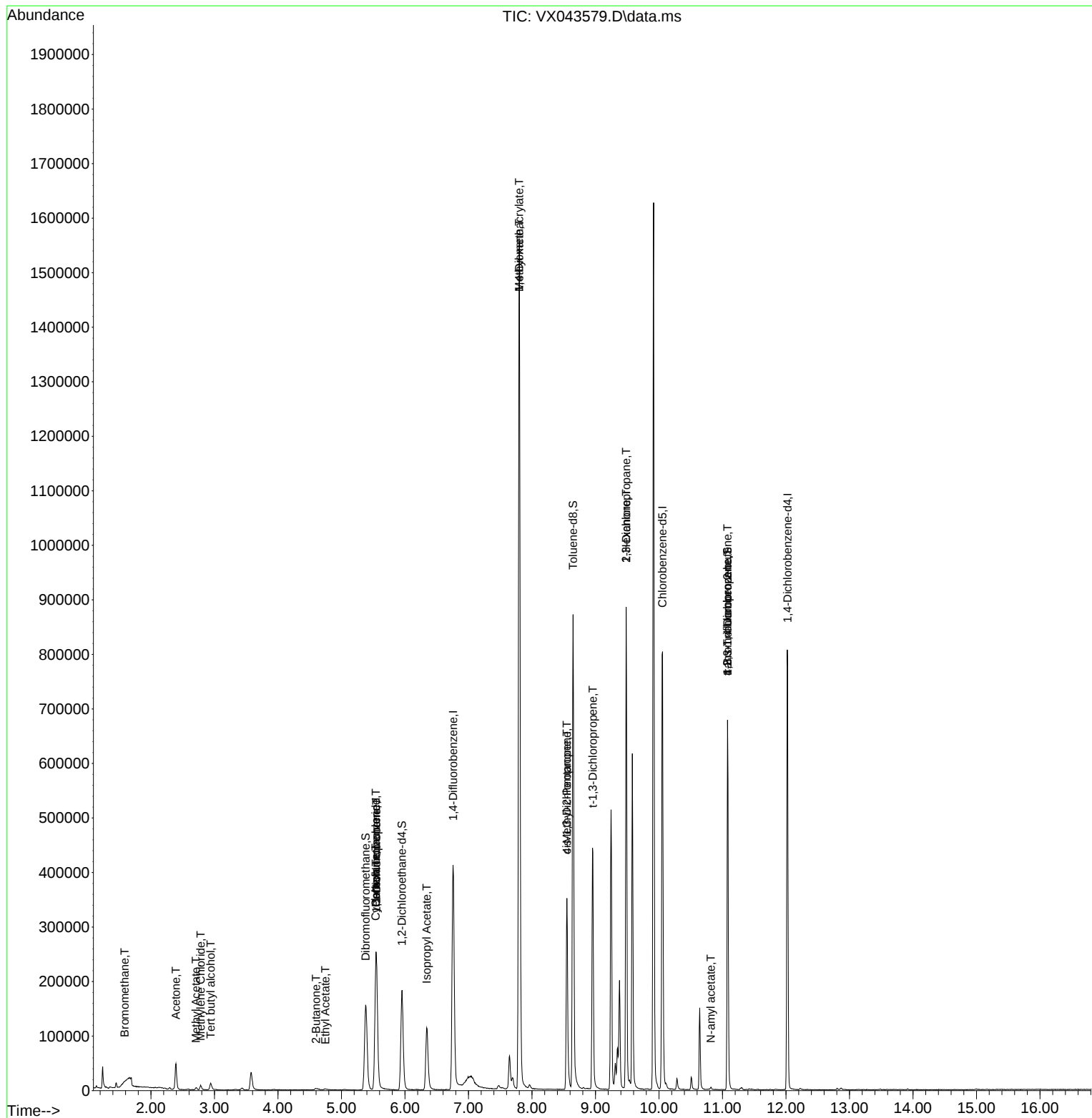
Internal Standards						
1) Pentafluorobenzene	5.544	168	245940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	455680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172873	44.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.160%		
35) Dibromofluoromethane	5.379	113	141113	45.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.340%		
50) Toluene-d8	8.647	98	525947	49.171	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.340%		
62) 4-Bromofluorobenzene	11.079	95	184426	46.531	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	255	0.200	ug/l #	2
11) Tert butyl alcohol	2.941	59	6875	9.393	ug/l #	100
16) Acetone	2.392	43	52341	33.611	ug/l	96
18) Methyl Acetate	2.709	43	5664	1.244	ug/l	93
20) Methylene Chloride	2.782	84	3949	1.177	ug/l	95
25) 2-Butanone	4.599	43	4629	2.038	ug/l #	86
31) Cyclohexane	5.538	56	5094	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18977	5.179	ug/l #	51
37) Ethyl Acetate	4.745	43	2822	0.634	ug/l #	81
38) Carbon Tetrachloride	5.544	117	25124	6.206	ug/l #	15
43) Isopropyl Acetate	6.342	43	166392	22.619	ug/l	99
48) Methyl methacrylate	7.799	41	132649	38.033	ug/l #	41
49) 1,4-Dioxane	7.799	88	327	4.564	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	127163	28.362	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1215	0.278	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	62070	13.342	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7917	1.543	ug/l #	42
59) 2-Hexanone	9.482	43	103364	30.354	ug/l #	52
74) N-amyl acetate	10.817	43	1337	0.217	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	92945	24.309	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	92945	66.875	ug/l #	7

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

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QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

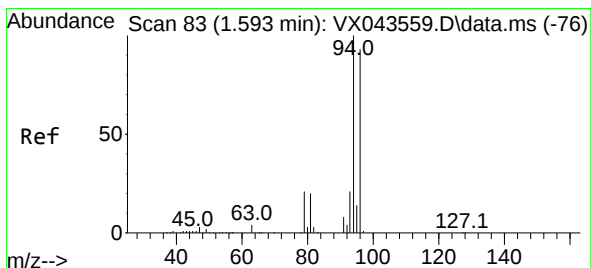
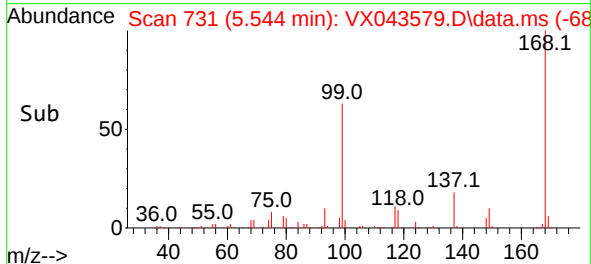
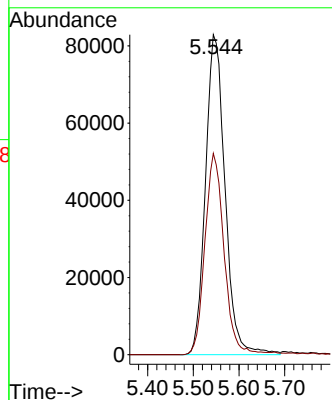
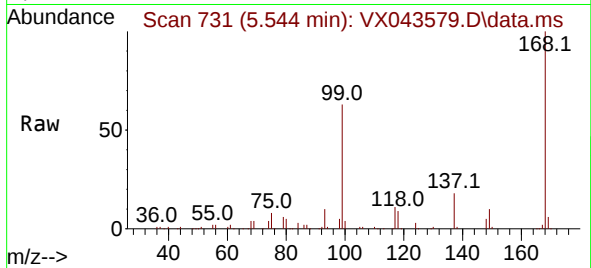




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

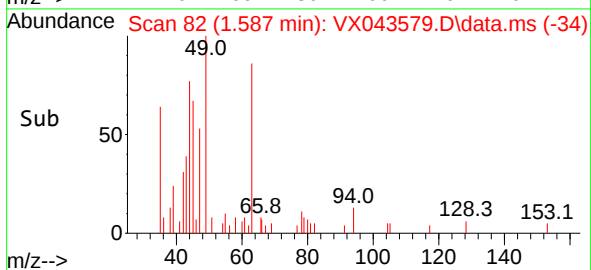
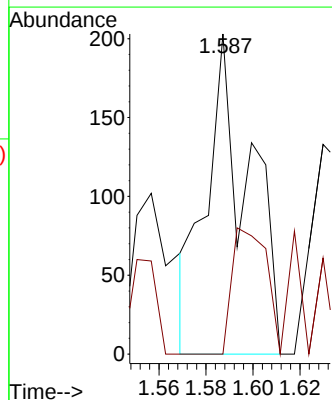
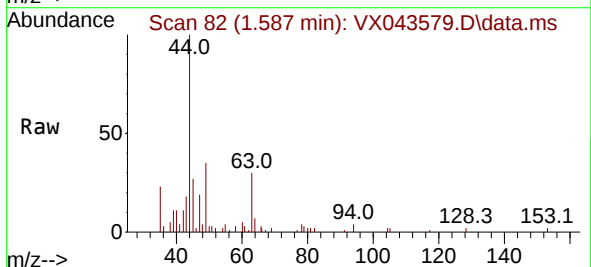
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

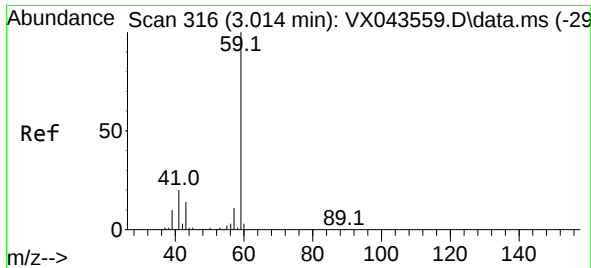
Tgt Ion:168 Resp: 245940
Ion Ratio Lower Upper
168 100
99 62.9 52.6 78.8



#5
Bromomethane
Concen: 0.200 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

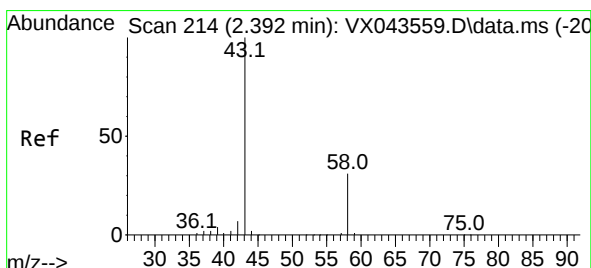
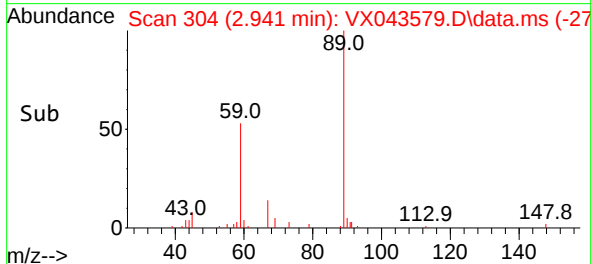
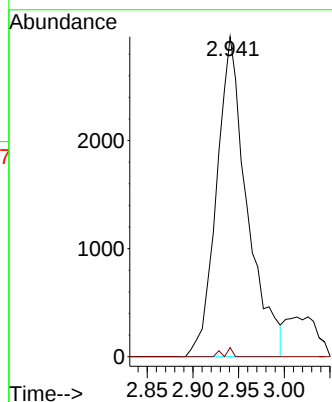
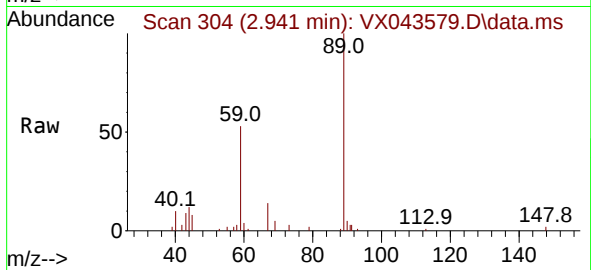




#11
Tert butyl alcohol
Concen: 9.393 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.109 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

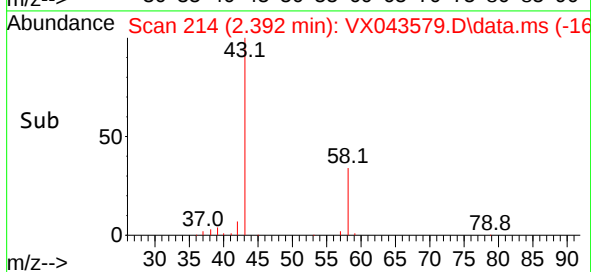
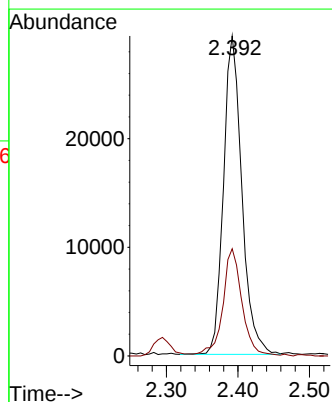
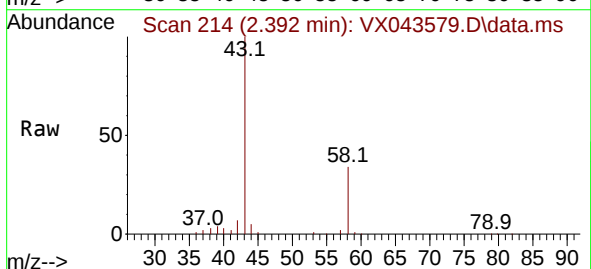
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

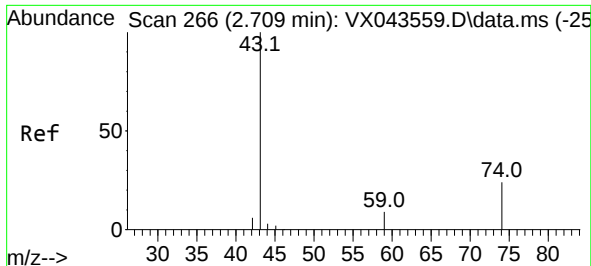
Tgt Ion: 59 Resp: 6875
Ion Ratio Lower Upper
59 100
57 0.7 0.0 0.0#



#16
Acetone
Concen: 33.611 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 43 Resp: 52341
Ion Ratio Lower Upper
43 100
58 33.4 25.1 37.7

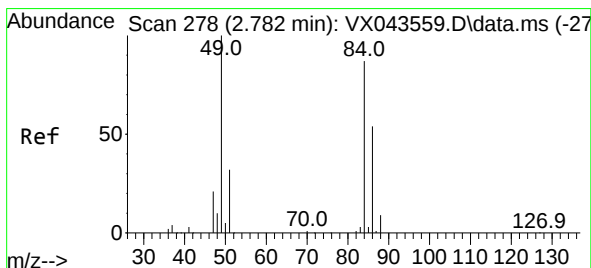
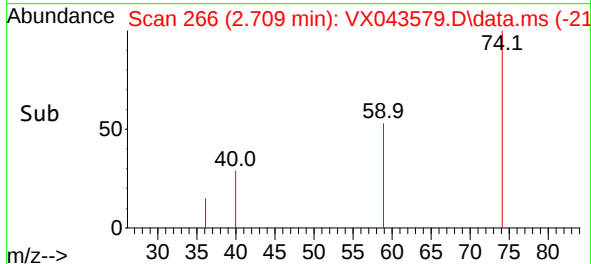
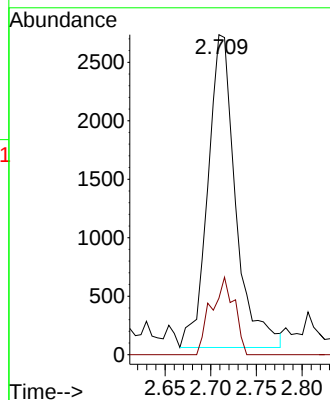
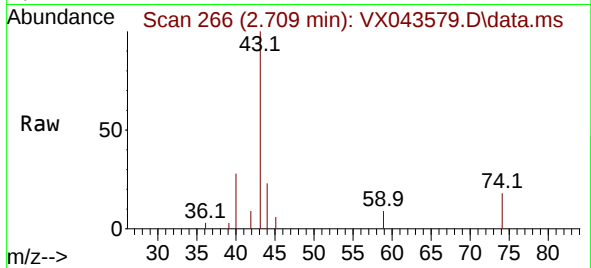




#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

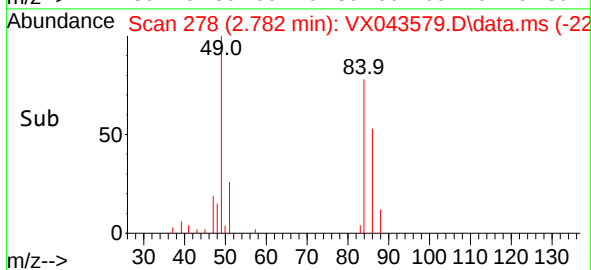
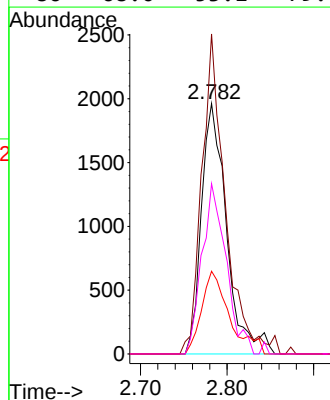
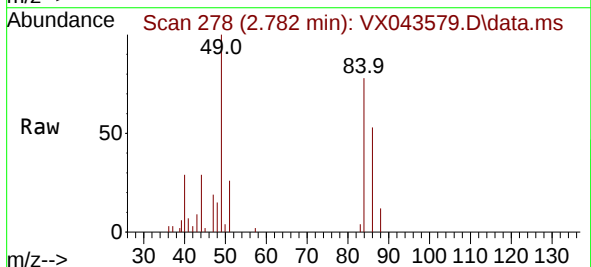
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

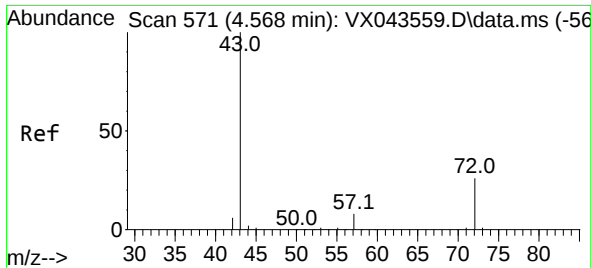
Tgt Ion: 43 Resp: 5664
Ion Ratio Lower Upper
43 100
74 20.6 19.1 28.7



#20
Methylene Chloride
Concen: 1.177 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 84 Resp: 3949
Ion Ratio Lower Upper
84 100
49 127.8 97.0 145.6
51 33.1 29.8 44.8
86 68.0 53.1 79.7

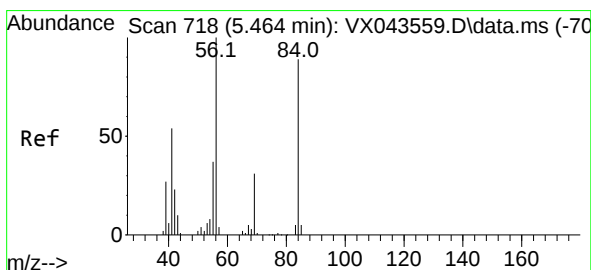
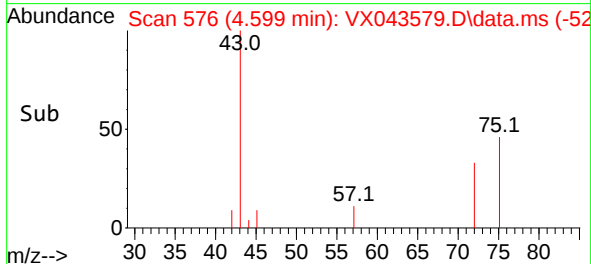
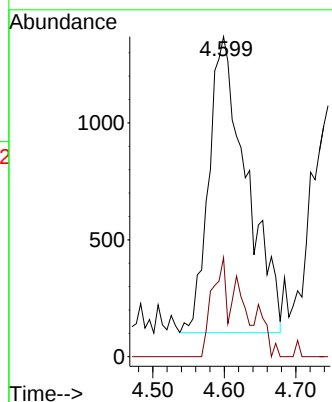
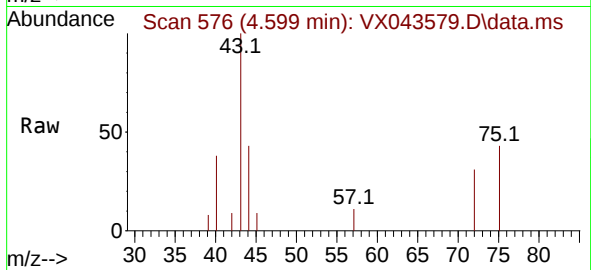




#25
2-Butanone
Concen: 2.038 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

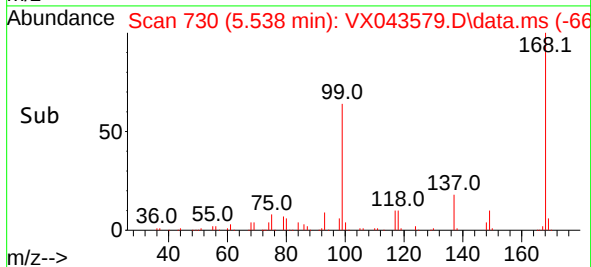
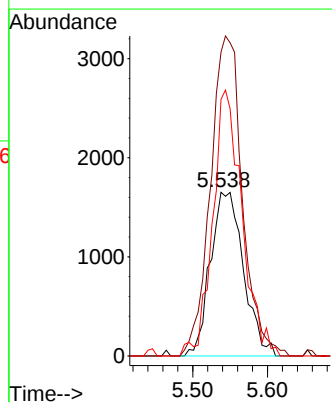
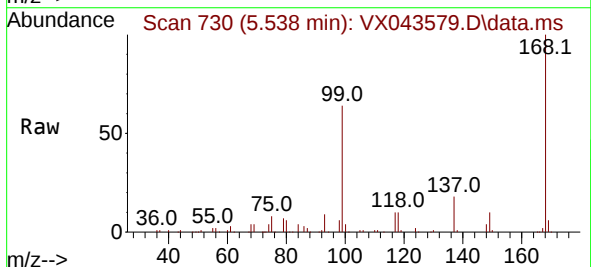
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

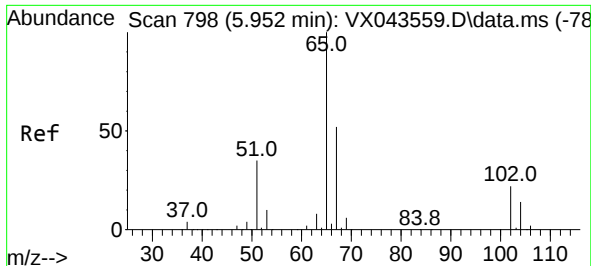
Tgt Ion: 43 Resp: 4629
Ion Ratio Lower Upper
43 100
72 33.5 21.1 31.7#



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 56 Resp: 5094
Ion Ratio Lower Upper
56 100
69 185.6 24.9 37.3#
84 156.8 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 44.083 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043579.D

Acq: 28 Oct 2024 21:28

Instrument :

MSVOA_X

ClientSampleId :

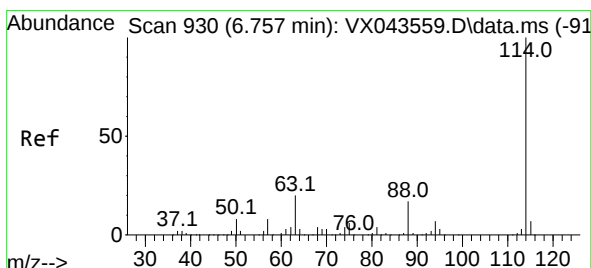
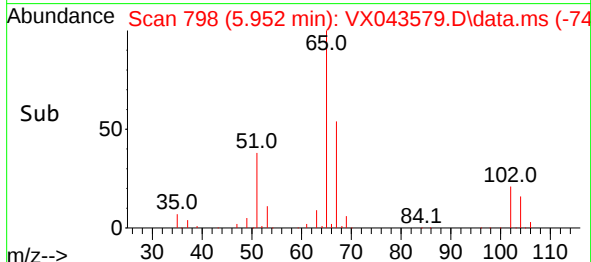
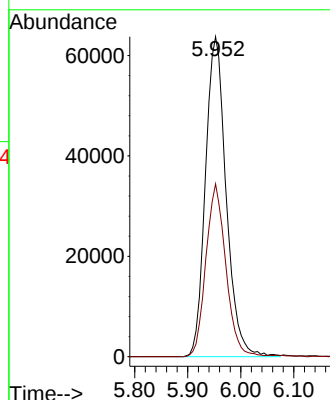
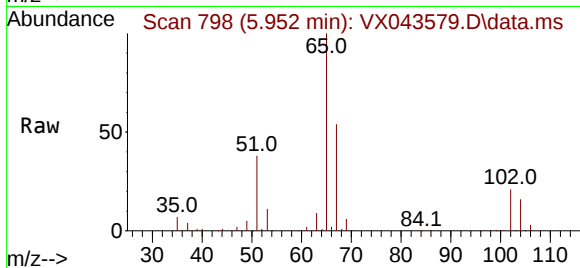
PB164394ZHE#11

Tgt Ion: 65 Resp: 172873

Ion Ratio Lower Upper

65 100

67 52.0 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: VX043579.D

Acq: 28 Oct 2024 21:28

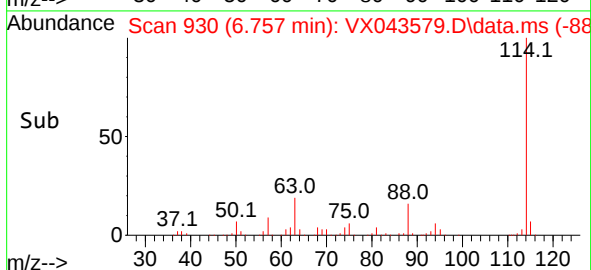
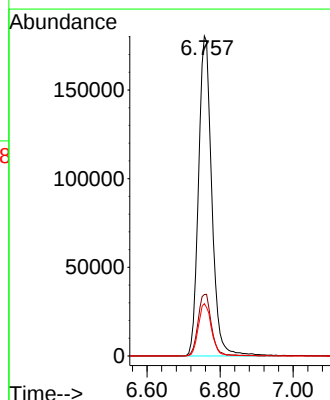
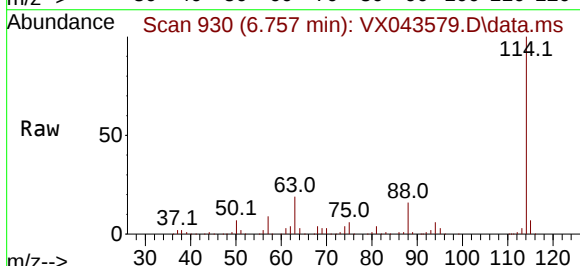
Tgt Ion: 114 Resp: 455680

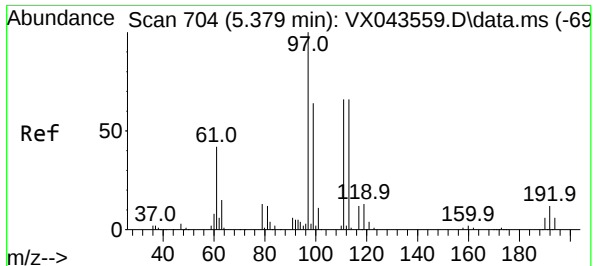
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

88 16.4 0.0 34.0

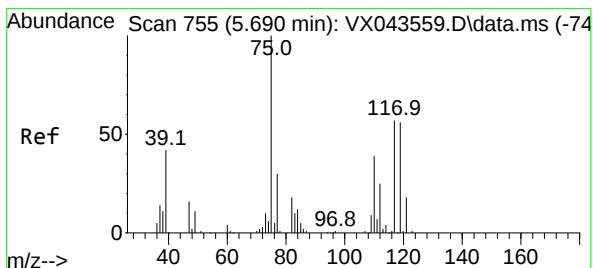
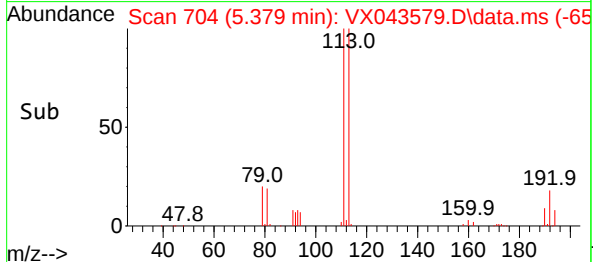
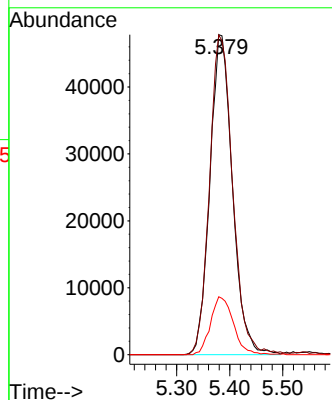
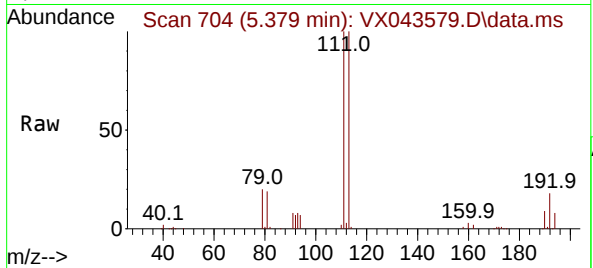




#35
Dibromofluoromethane
Concen: 45.668 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

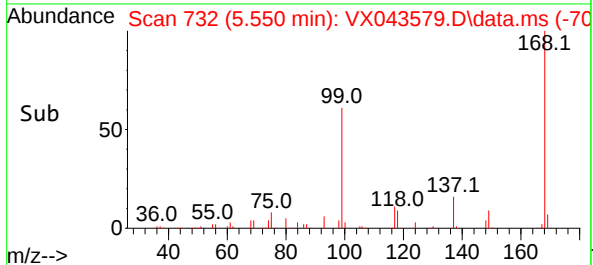
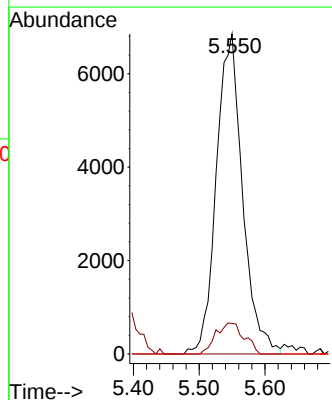
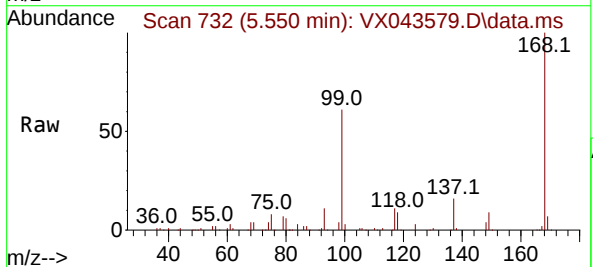
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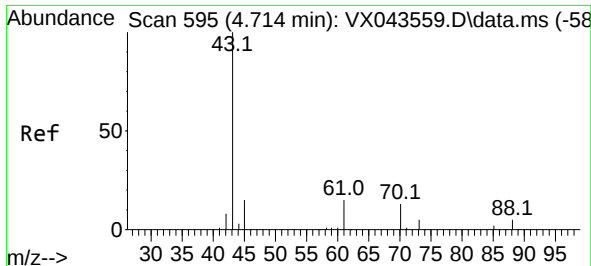
Tgt Ion:113 Resp: 141113
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 75 Resp: 18977
Ion Ratio Lower Upper
75 100
110 10.4 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.634 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.025 min

Lab File: VX043579.D

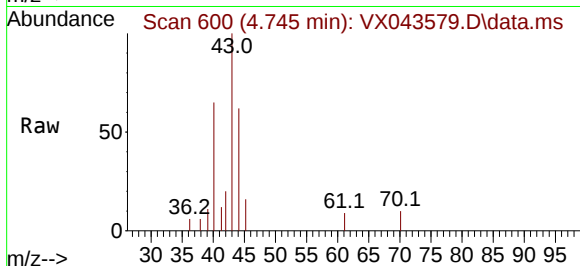
Acq: 28 Oct 2024 21:28

Instrument :

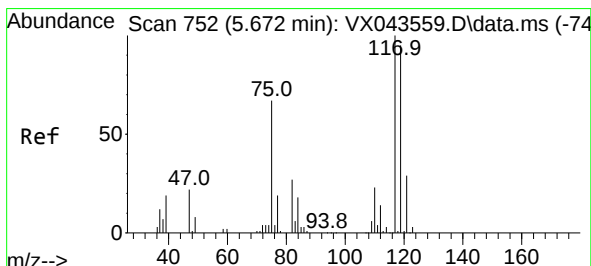
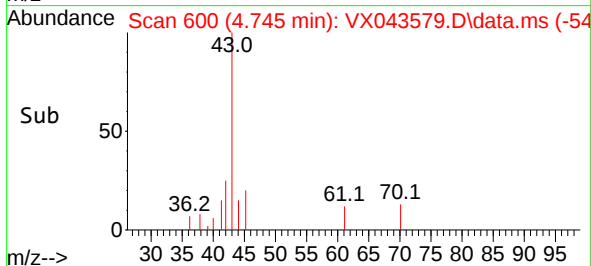
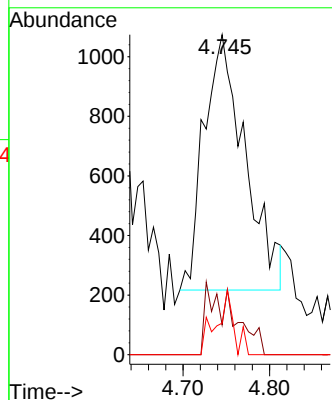
MSVOA_X

ClientSampleId :

PB164394ZHE#11



Tgt Ion:	43	Resp:	2822
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	10.8	8.9	13.3



#38

Carbon Tetrachloride

Concen: 6.206 ug/l

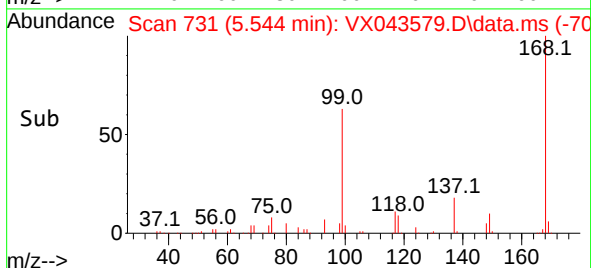
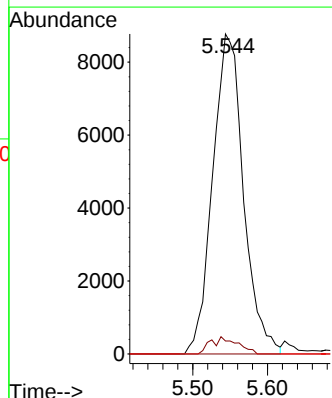
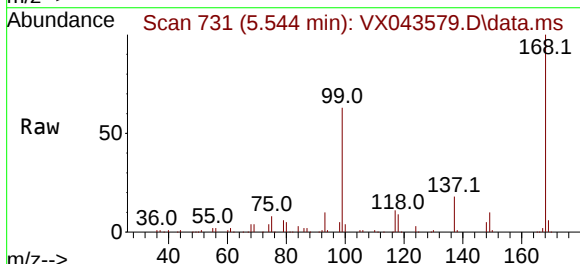
RT: 5.544 min Scan# 731

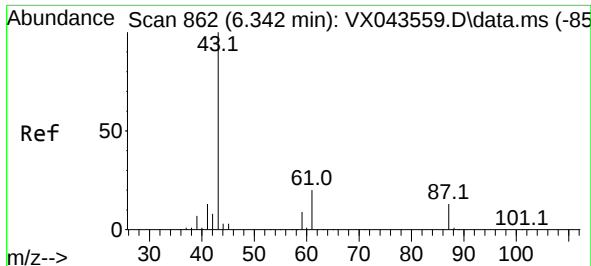
Delta R.T. -0.128 min

Lab File: VX043579.D

Acq: 28 Oct 2024 21:28

Tgt Ion:	117	Resp:	25124
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.0	115.6#
121	0.0	24.7	37.1#

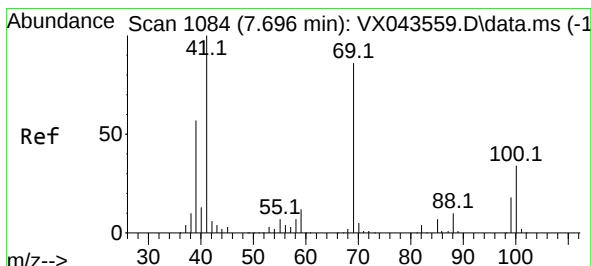
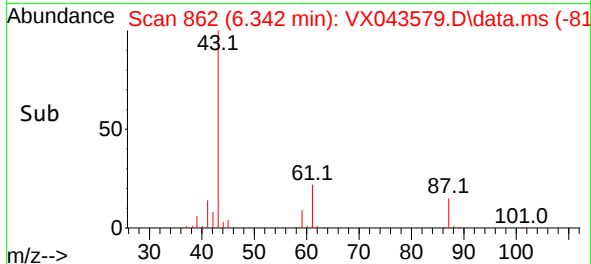
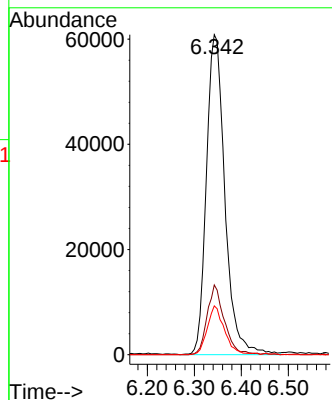
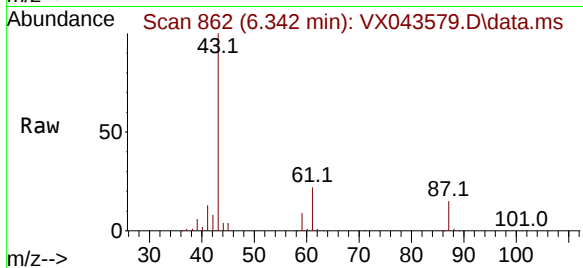




#43
Isopropyl Acetate
Concen: 22.619 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

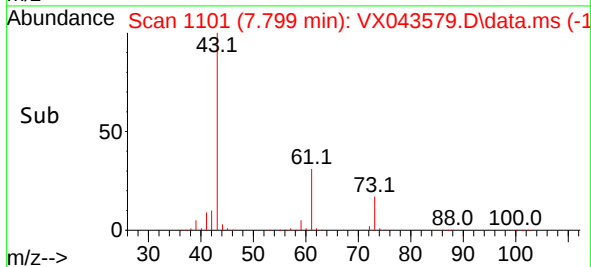
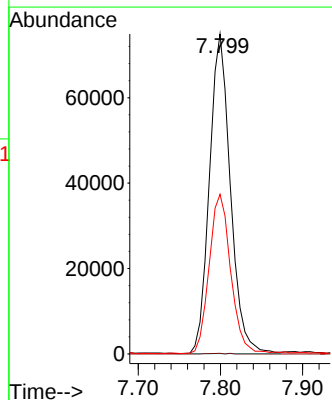
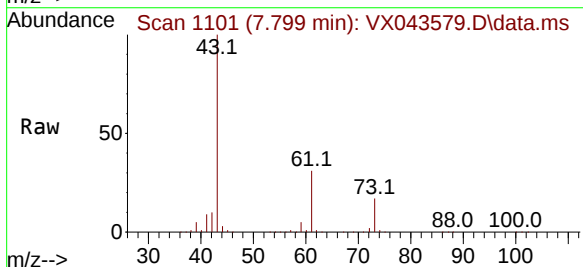
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

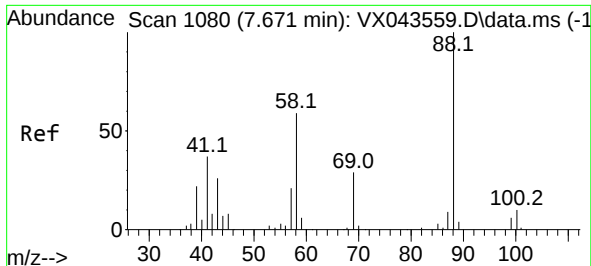
Tgt Ion: 43 Resp: 166392
Ion Ratio Lower Upper
43 100
61 20.1 16.2 24.4
87 14.2 11.0 16.6



#48
Methyl methacrylate
Concen: 38.033 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 41 Resp: 132649
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 51.3 46.3 69.5





#49

1,4-Dioxane

Concen: 4.564 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043579.D

Acq: 28 Oct 2024 21:28

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#11

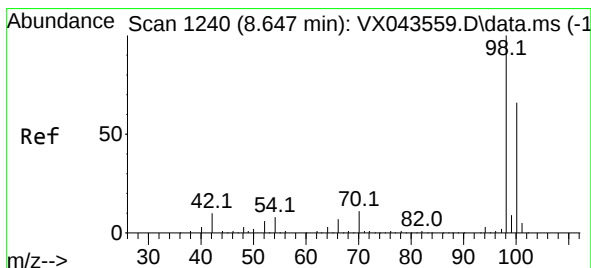
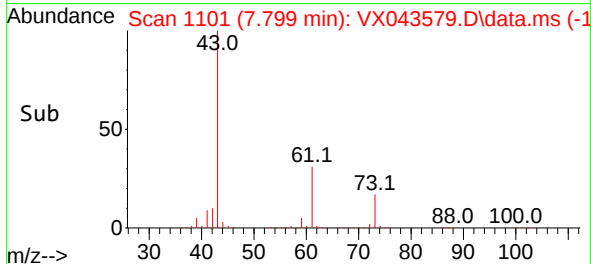
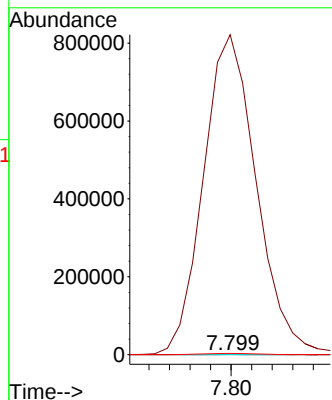
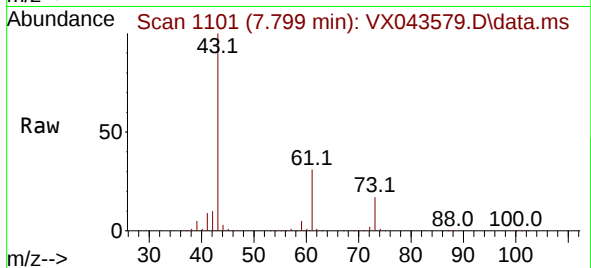
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 454799.4 25.3 37.9#

58 2048.0 53.9 80.9#



#50

Toluene-d8

Concen: 49.171 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043579.D

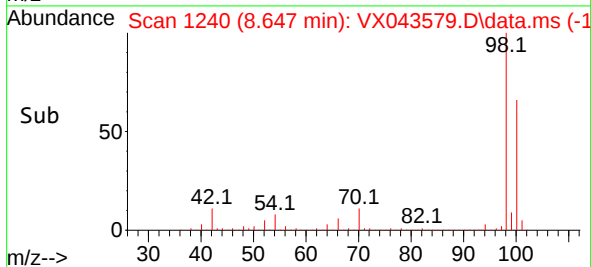
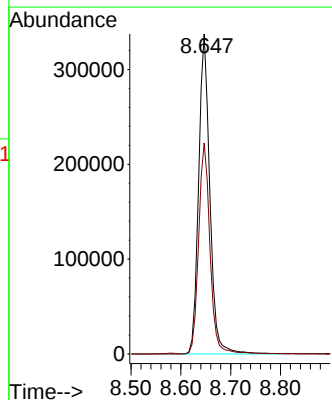
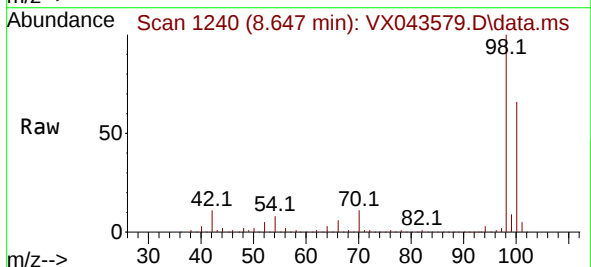
Acq: 28 Oct 2024 21:28

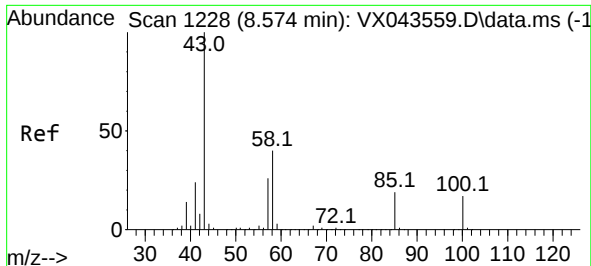
Tgt Ion: 98 Resp: 525947

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.2

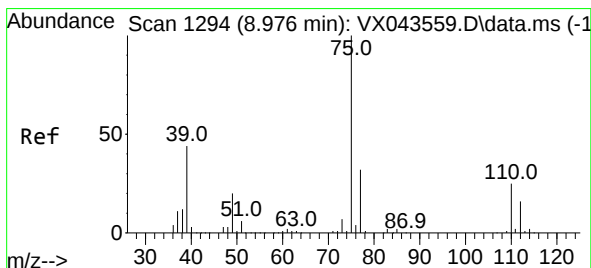
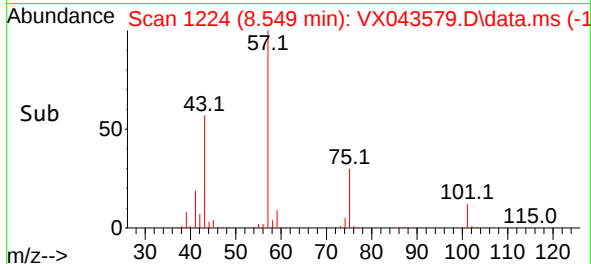
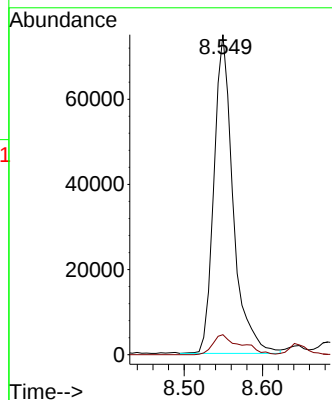
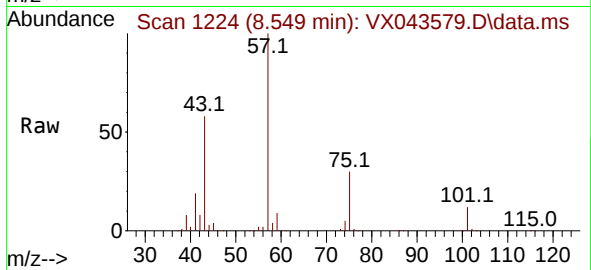




#51
4-Methyl-2-Pentanone
Concen: 28.362 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

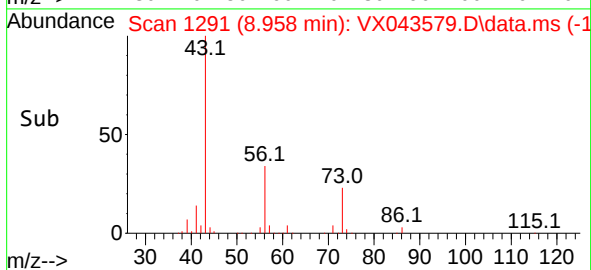
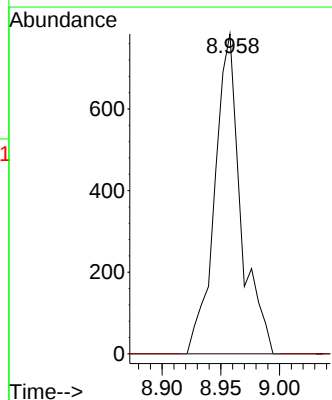
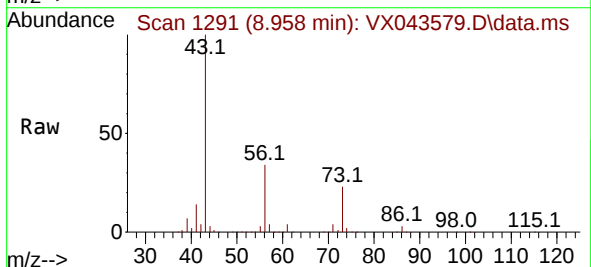
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

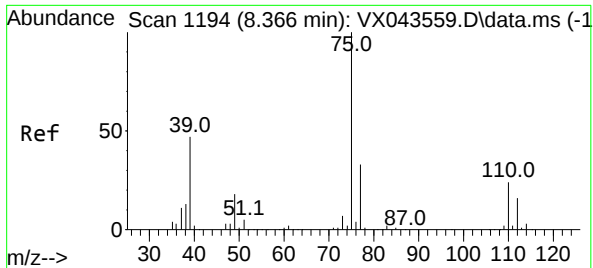
Tgt Ion: 43 Resp: 127163
Ion Ratio Lower Upper
43 100
58 9.1 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 75 Resp: 1215
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

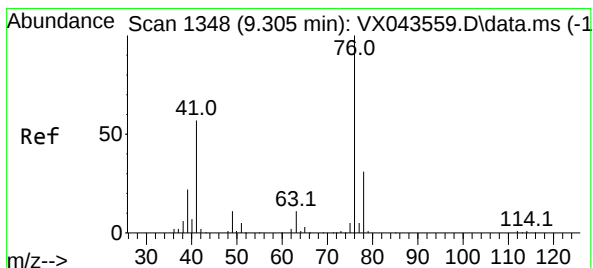
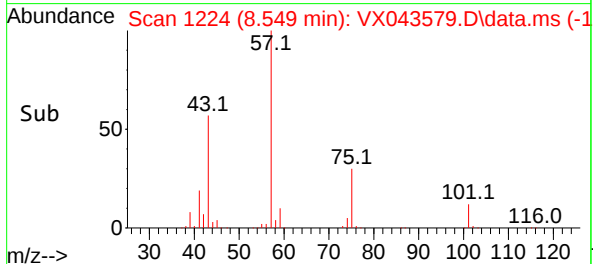
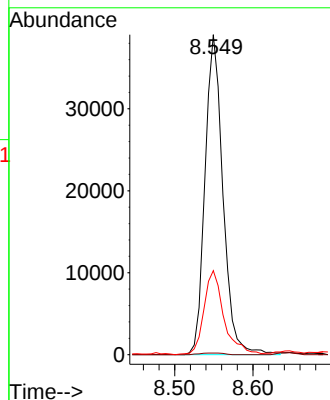
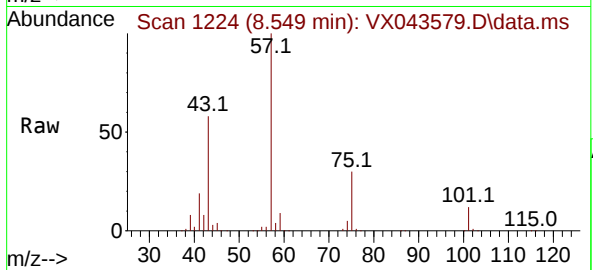




#54
 cis-1,3-Dichloropropene
 Concen: 13.342 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043579.D
 Acq: 28 Oct 2024 21:28

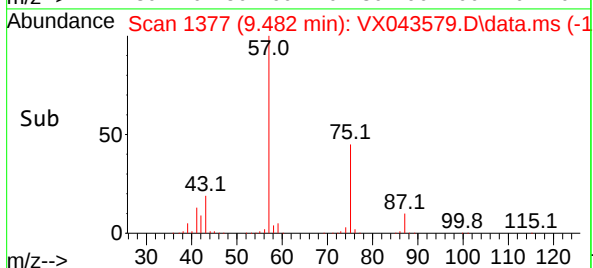
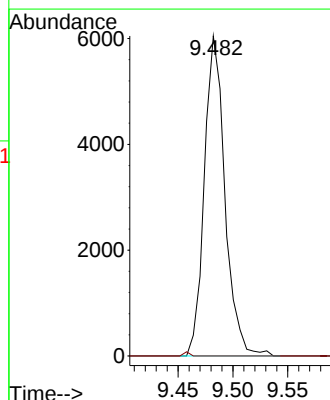
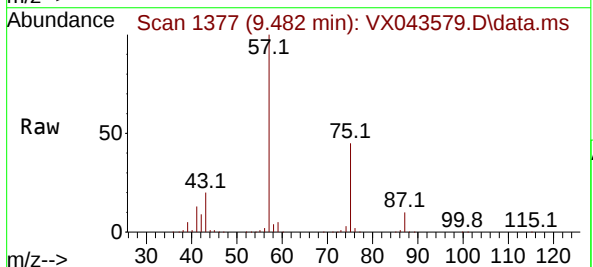
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#11

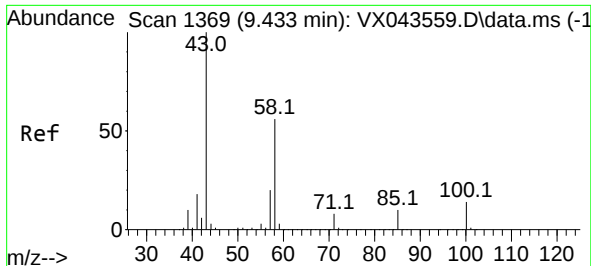
Tgt Ion: 75 Resp: 62070
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 26.0 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.543 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043579.D
 Acq: 28 Oct 2024 21:28

Tgt Ion: 76 Resp: 7917
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

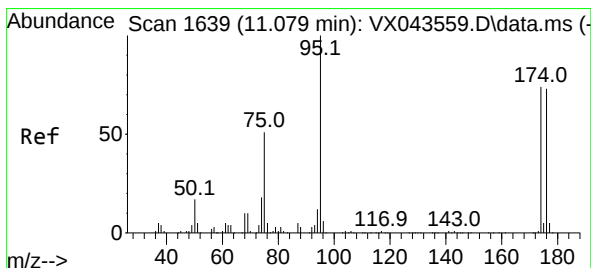
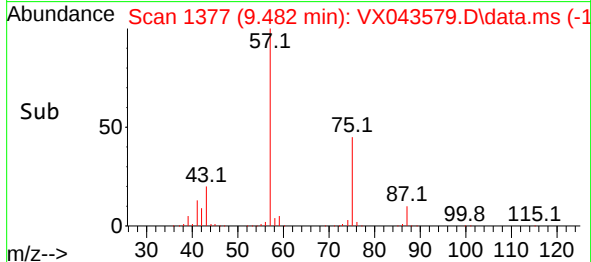
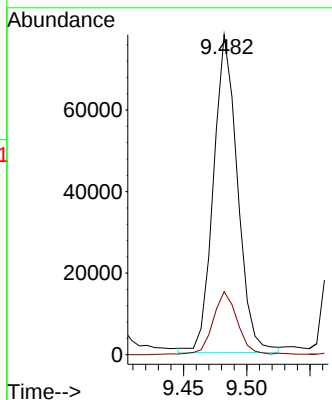
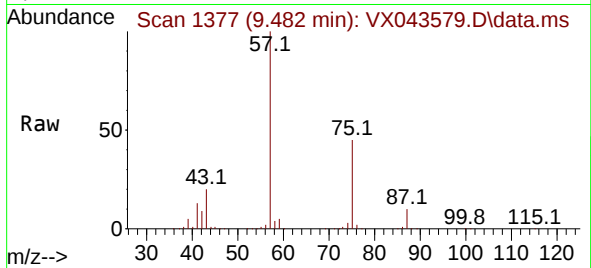




#59
2-Hexanone
Concen: 30.354 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

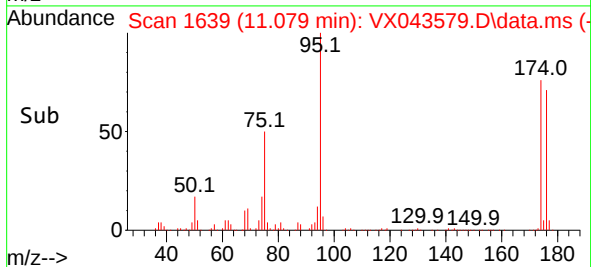
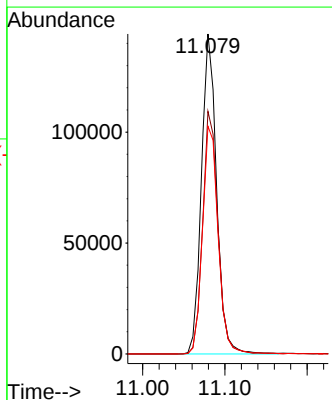
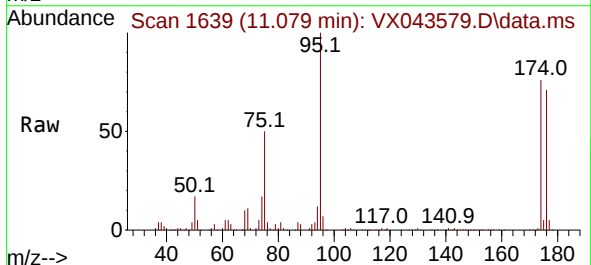
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

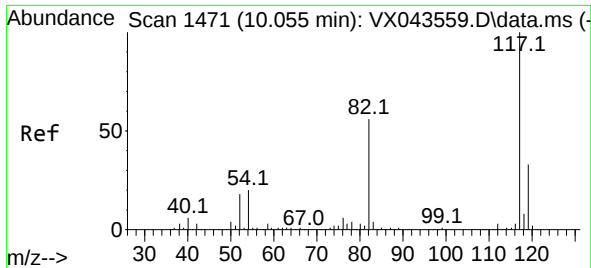
Tgt Ion: 43 Resp: 103364
Ion Ratio Lower Upper
43 100
58 20.1 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion: 95 Resp: 184426
Ion Ratio Lower Upper
95 100
174 76.6 0.0 146.6
176 74.0 0.0 139.6

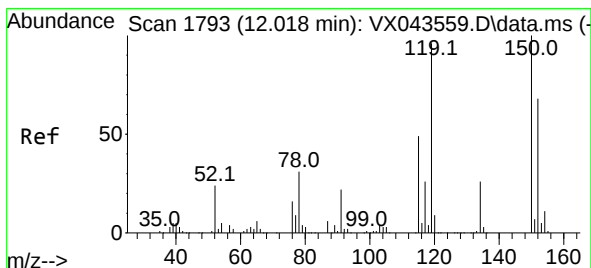
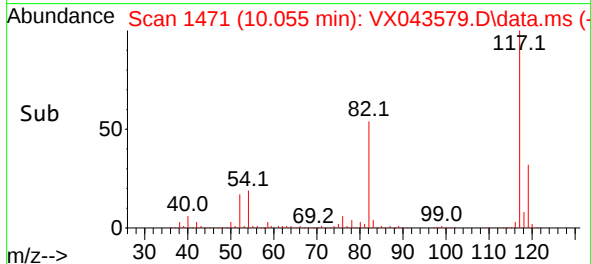
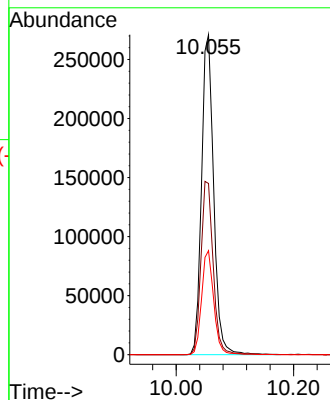
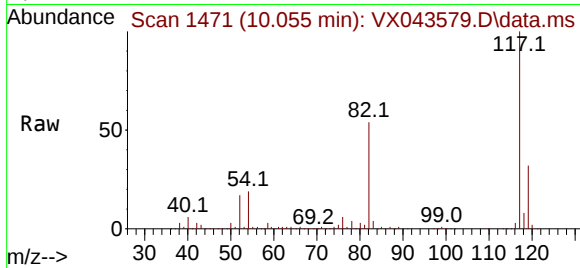




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

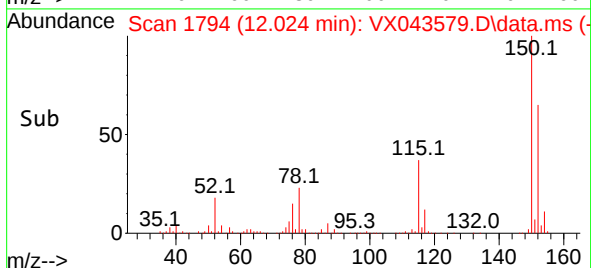
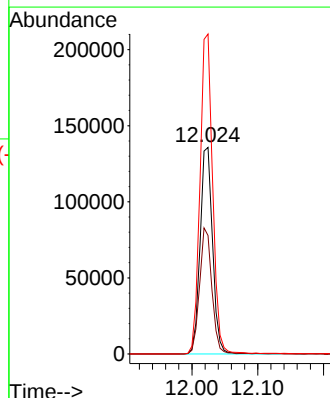
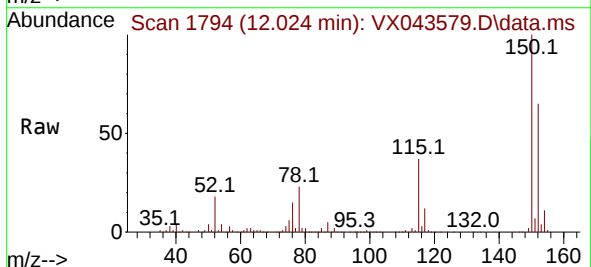
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

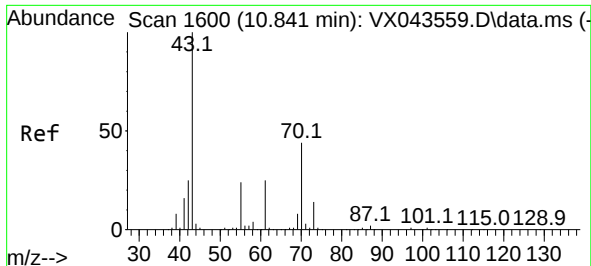
Tgt Ion:117 Resp: 386986
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

Tgt Ion:152 Resp: 178822
Ion Ratio Lower Upper
152 100
115 60.1 42.9 128.7
150 156.9 0.0 343.6

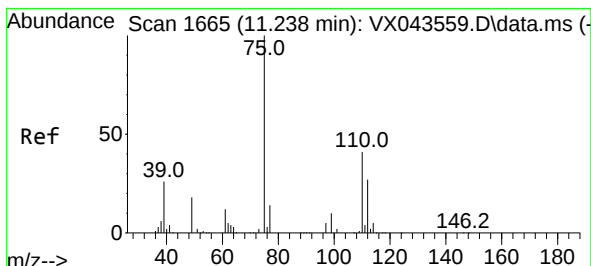
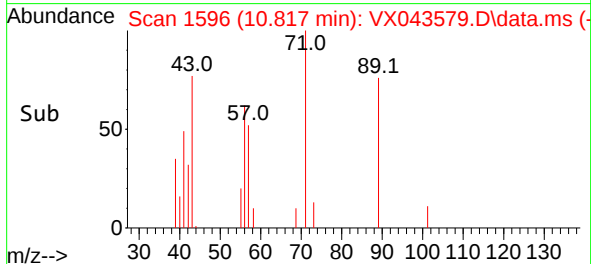
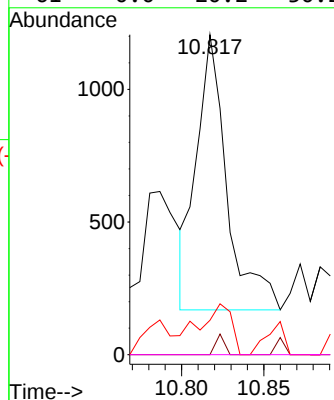
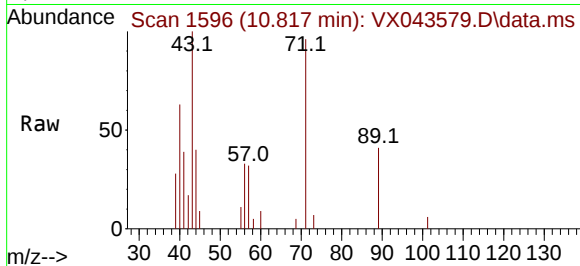




#74
N-amy1 acetate
Concen: 0.217 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

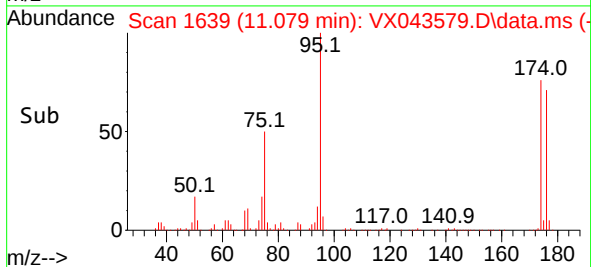
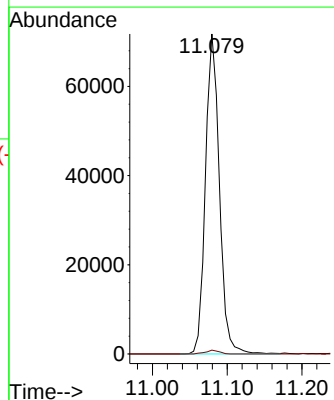
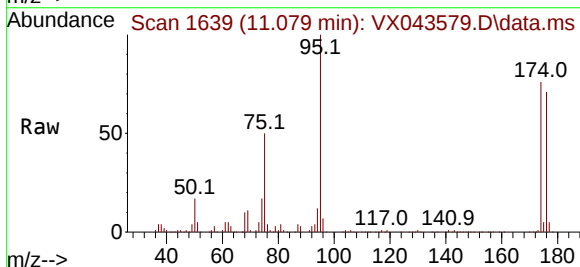
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#11

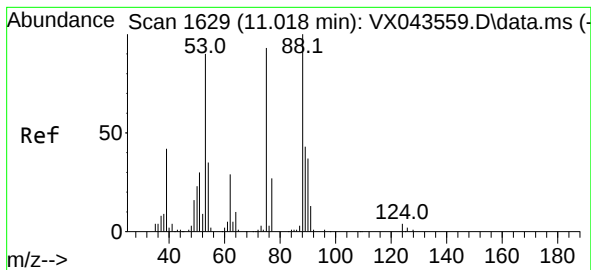
Tgt Ion:	43	Resp:	1337
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.6	52.0#
55	19.2	19.6	29.4#
61	0.0	20.2	30.2#



#76
1,2,3-Trichloropropane
Concen: 24.309 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043579.D
Acq: 28 Oct 2024 21:28

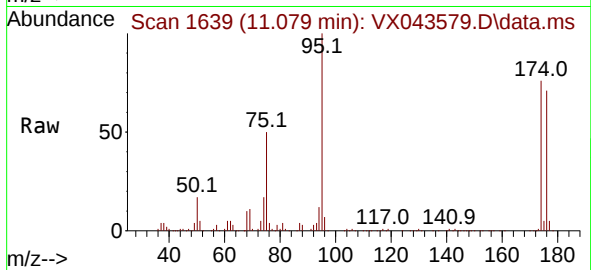
Tgt Ion:	75	Resp:	92945
Ion	Ratio	Lower	Upper
75	100		
77	1.1	22.4	67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.875 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043579.D
 Acq: 28 Oct 2024 21:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#11



Tgt Ion: 75 Resp: 92945
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

