

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045772.D
 Acq On : 14 Apr 2025 16:44
 Operator : JC/MD
 Sample : Q1779-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-23

Quant Time: Apr 15 01:29:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

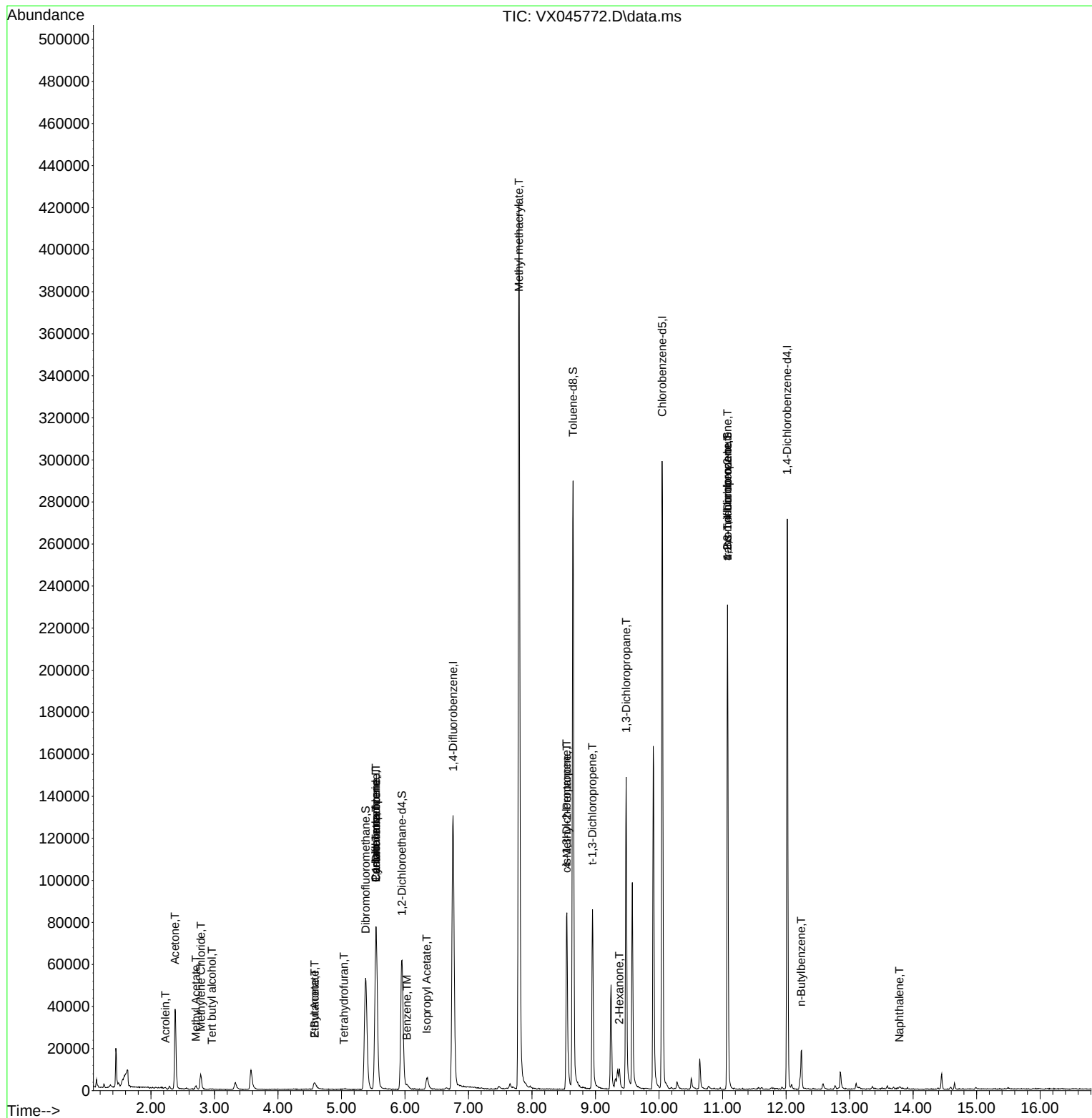
Internal Standards						
1) Pentafluorobenzene	5.544	168	65348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64932	54.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.660%			
35) Dibromofluoromethane	5.379	113	46869	51.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.780%			
50) Toluene-d8	8.647	98	165038	51.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	11.079	95	60434	52.122	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	95	0.592	ug/l #	72
13) Acrolein	2.227	56	234	1.058	ug/l #	71
16) Acetone	2.380	43	42025	85.640	ug/l	97
18) Methyl Acetate	2.709	43	2104	1.862	ug/l	99
20) Methylene Chloride	2.788	84	3375	3.674	ug/l #	89
25) 2-Butanone	4.574	43	8048	11.204	ug/l	98
29) Tetrahydrofuran	5.038	42	238	0.511	ug/l #	53
31) Cyclohexane	5.544	56	1986	1.355	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	6433	5.224	ug/l #	51
37) Ethyl Acetate	4.574	43	8048	5.186	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7573	5.691	ug/l #	16
40) Benzene	6.031	78	2315	0.616	ug/l	95
43) Isopropyl Acetate	6.342	43	8764	3.726	ug/l	96
48) Methyl methacrylate	7.793	41	41424	34.113	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	33638	21.575	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	122	2.373	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	12535	9.273	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1362	0.863	ug/l #	42
59) 2-Hexanone	9.372	43	9660	8.367	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34982	29.227	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34982	99.193	ug/l #	1
89) n-Butylbenzene	12.238	91	1349	0.477	ug/l #	40
95) Naphthalene	13.786	128	866	0.254	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

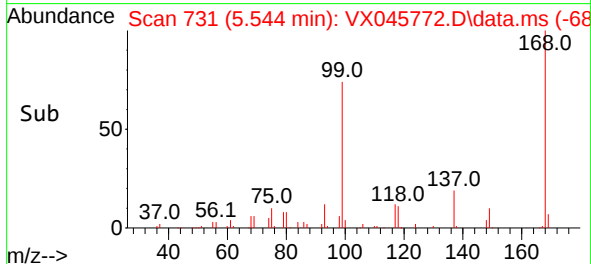
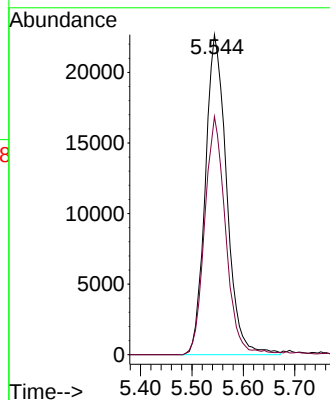
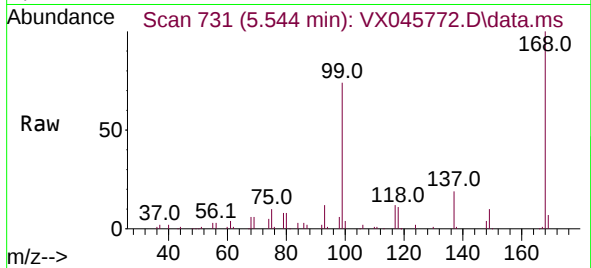




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

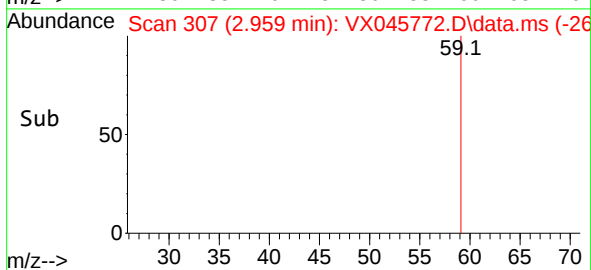
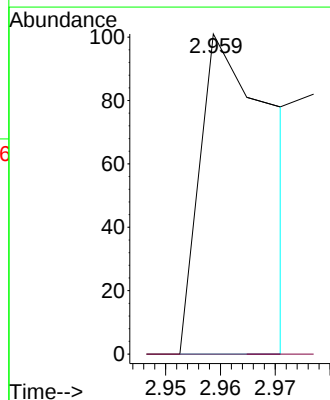
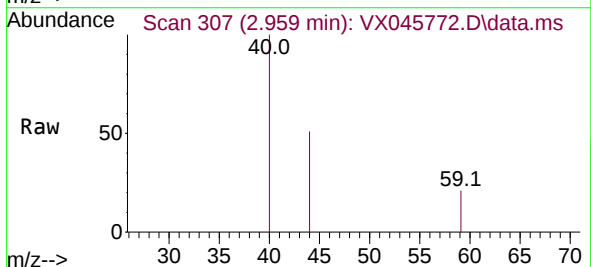
Instrument :
MSVOA_X
ClientSampleId :
TP-23

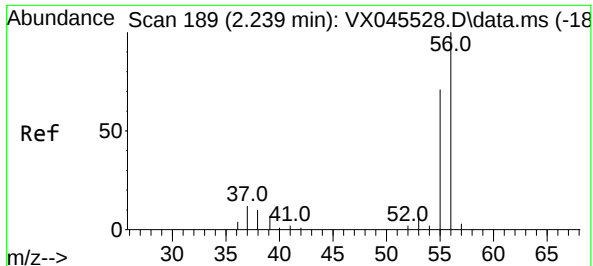
Tgt Ion:168 Resp: 65348
Ion Ratio Lower Upper
168 100
99 74.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.592 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

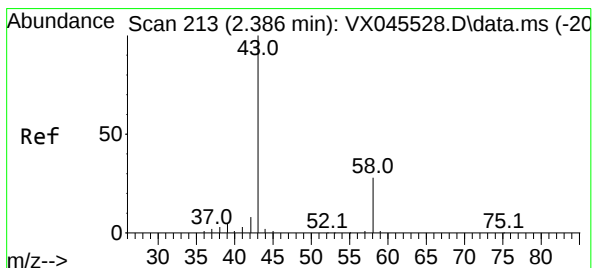
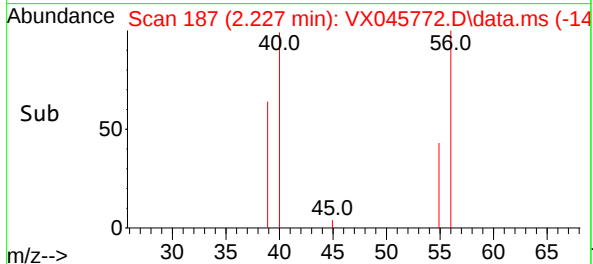
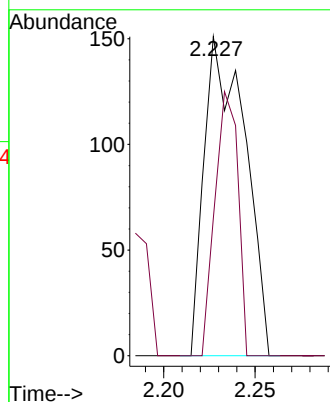
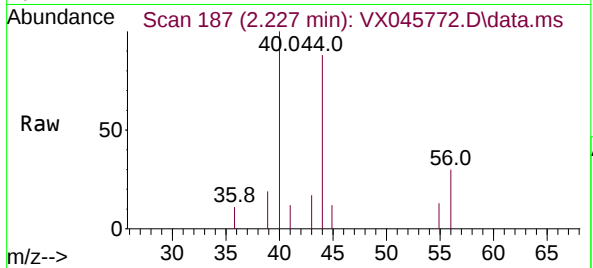




#13
Acrolein
Concen: 1.058 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

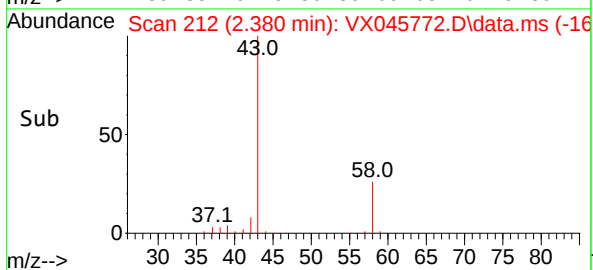
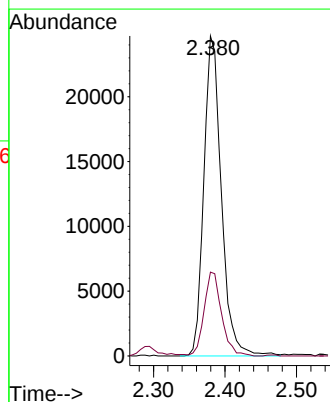
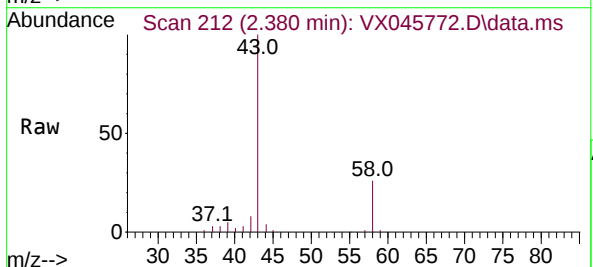
Instrument :
MSVOA_X
ClientSampleId :
TP-23

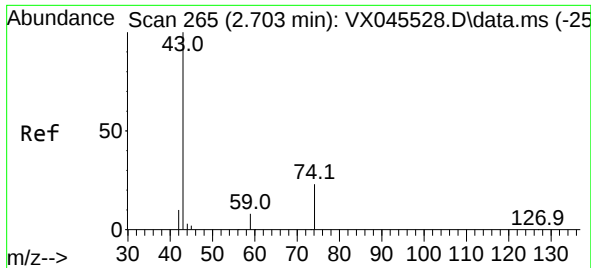
Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 46.6 56.2 84.2#



#16
Acetone
Concen: 85.640 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 43 Resp: 42025
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5

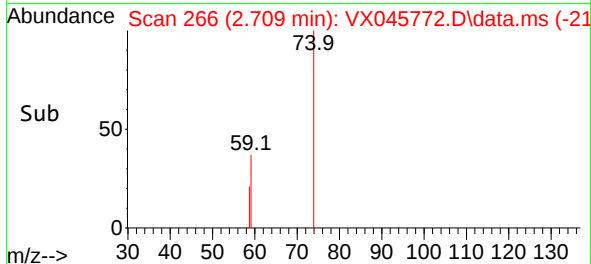
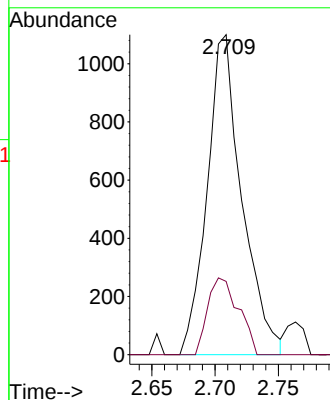
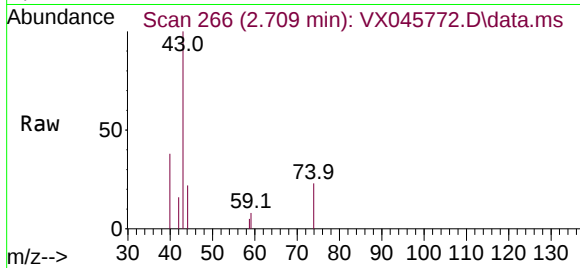




#18
Methyl Acetate
Concen: 1.862 ug/l
RT: 2.709 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

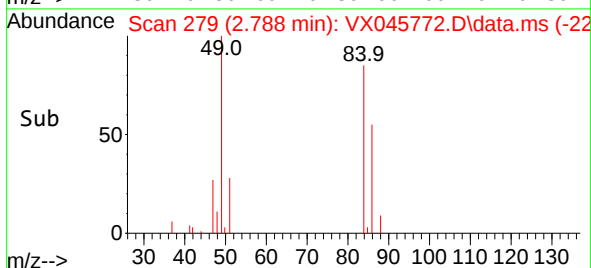
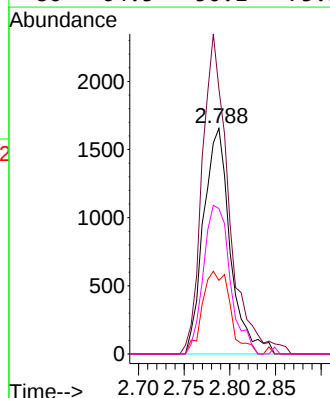
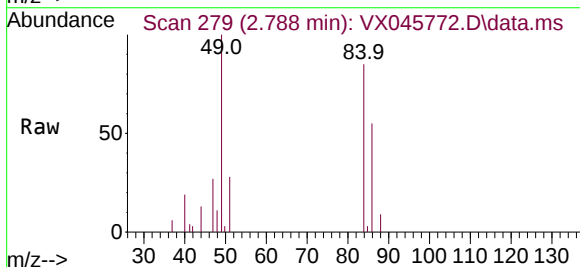
Instrument :
MSVOA_X
ClientSampleId :
TP-23

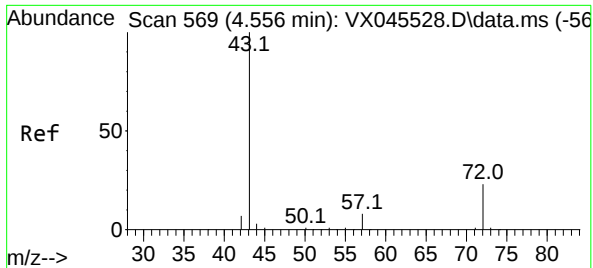
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#20
Methylene Chloride
Concen: 3.674 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 84 Resp: 3375
Ion Ratio Lower Upper
84 100
49 117.4 107.5 161.3
51 32.6 33.0 49.6#
86 64.5 50.1 75.1

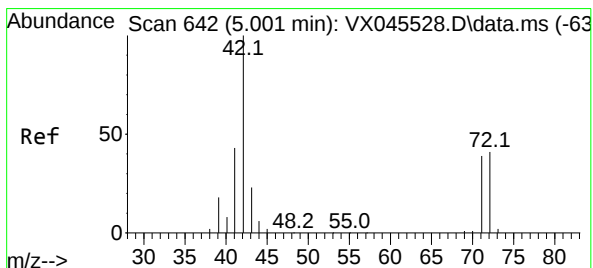
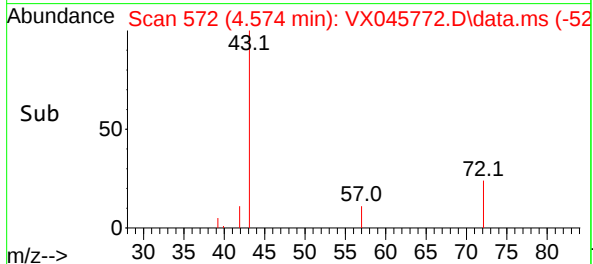
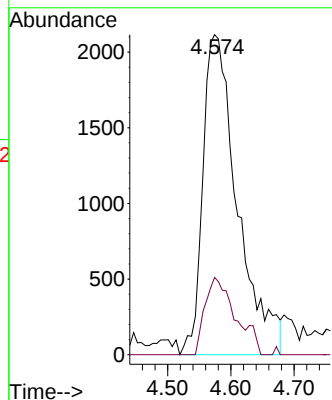
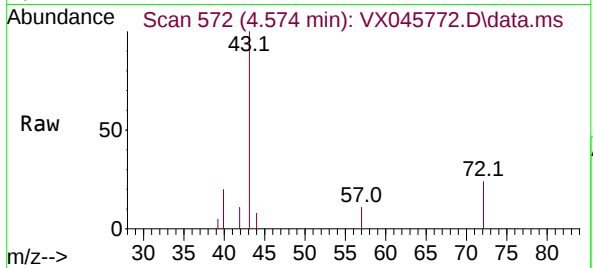




#25
2-Butanone
Concen: 11.204 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

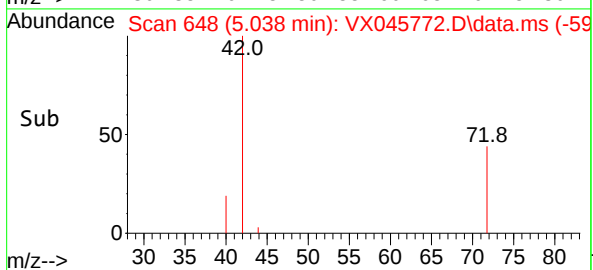
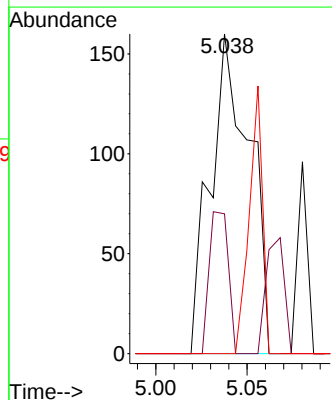
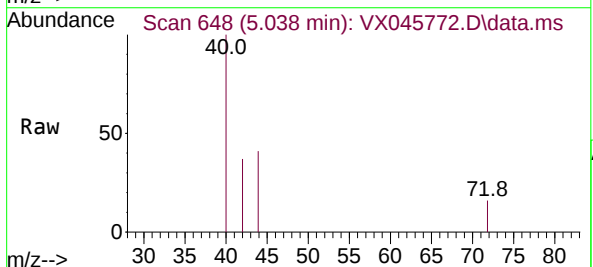
Instrument :
MSVOA_X
ClientSampleId :
TP-23

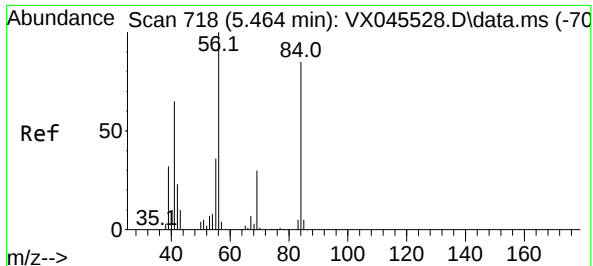
Tgt Ion: 43 Resp: 8048
Ion Ratio Lower Upper
43 100
72 24.2 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.511 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 42 Resp: 238
Ion Ratio Lower Upper
42 100
72 21.8 33.4 50.0#
71 0.0 31.4 47.0#

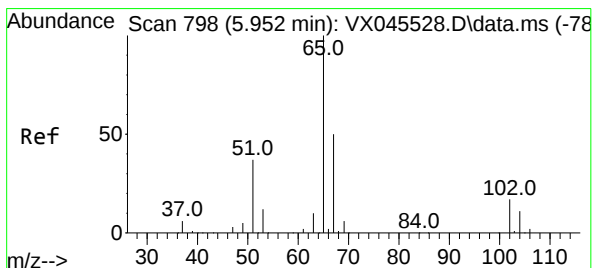
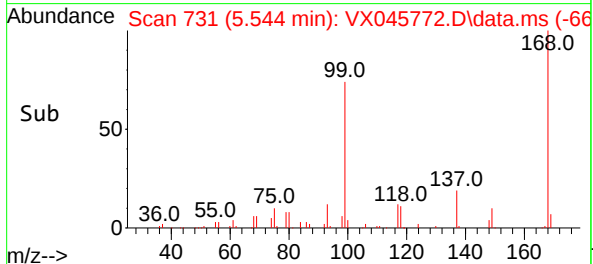
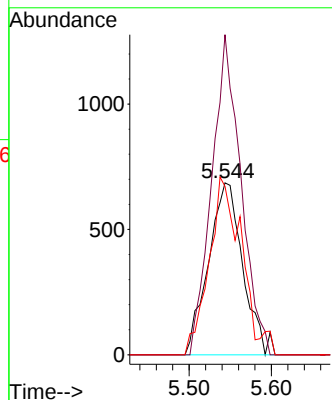
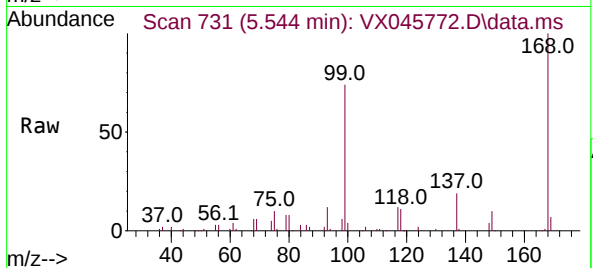




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

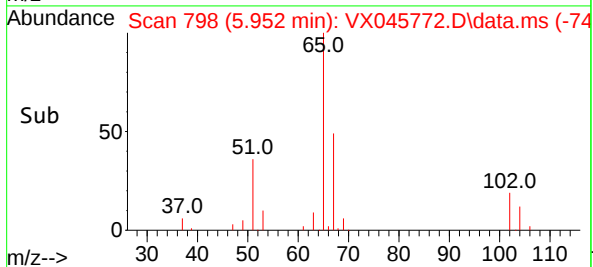
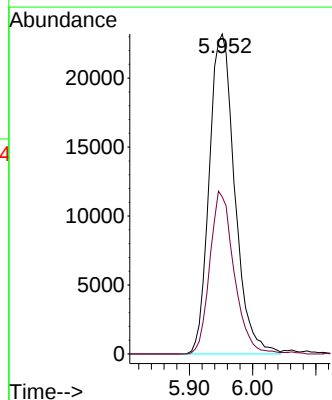
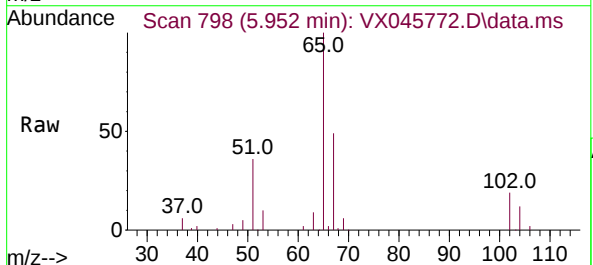
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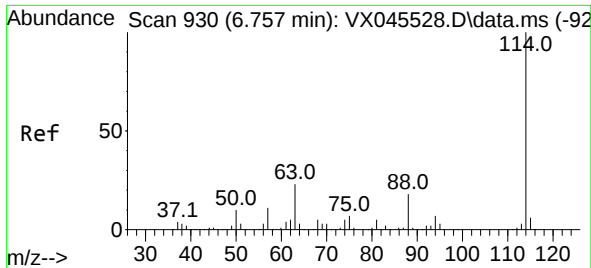
Tgt Ion: 56 Resp: 1986
Ion Ratio Lower Upper
56 100
69 186.2 23.6 35.4#
84 98.0 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.334 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 65 Resp: 64932
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.0

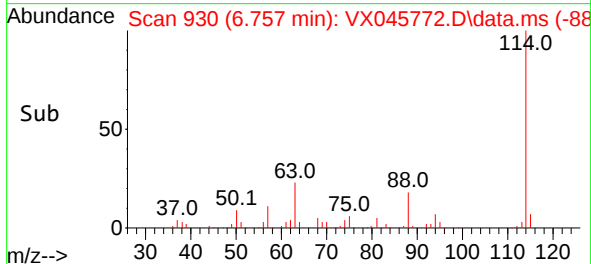
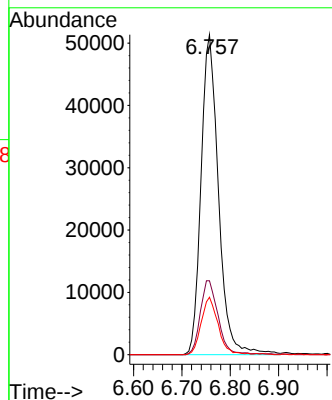
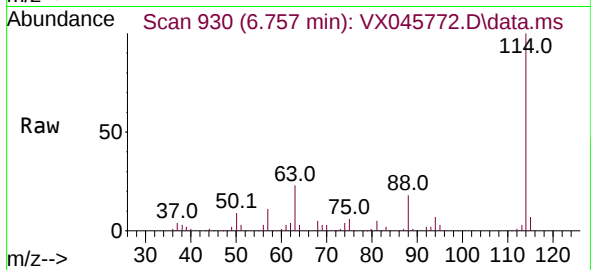




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

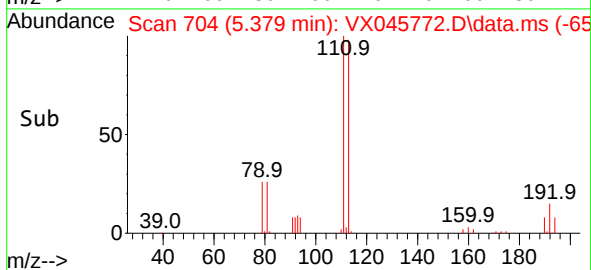
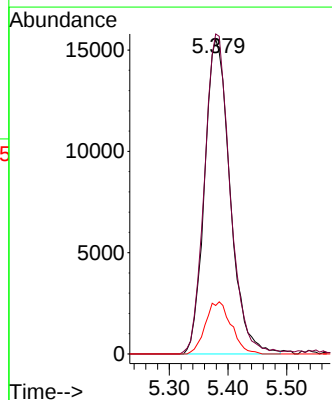
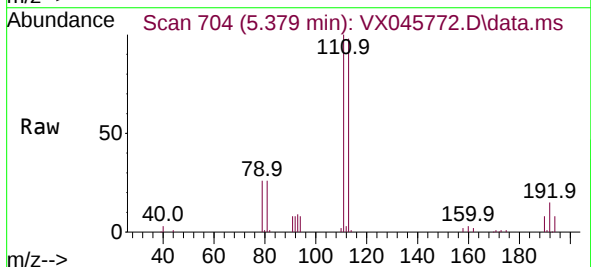
Instrument :
MSVOA_X
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TP-23

Tgt Ion:114 Resp: 128538
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.8
88 17.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.393 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion:113 Resp: 46869
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.224 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045772.D

Acq: 14 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TP-23

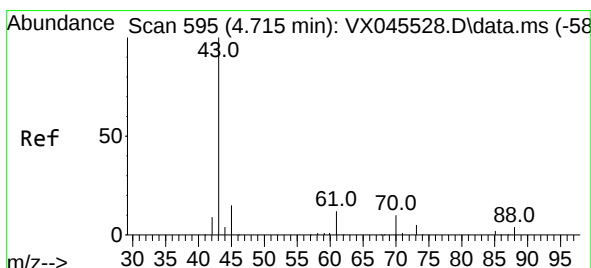
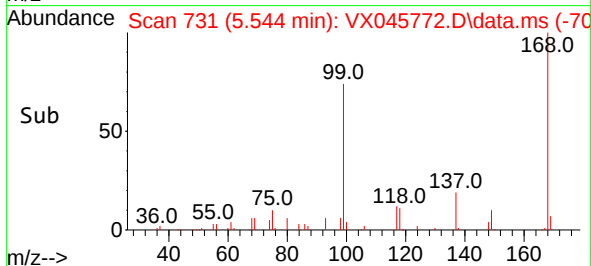
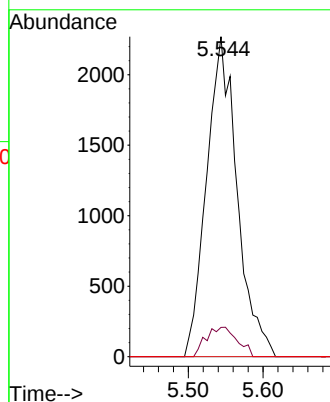
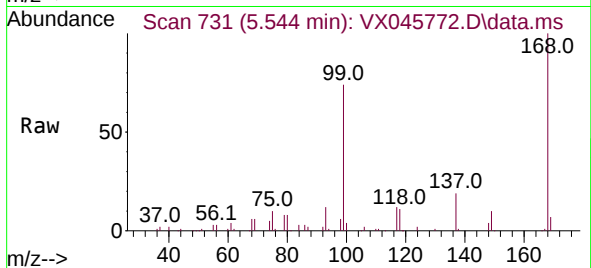
Tgt Ion: 75 Resp: 6433

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 5.186 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045772.D

Acq: 14 Apr 2025 16:44

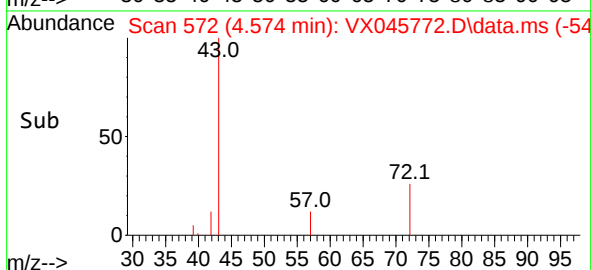
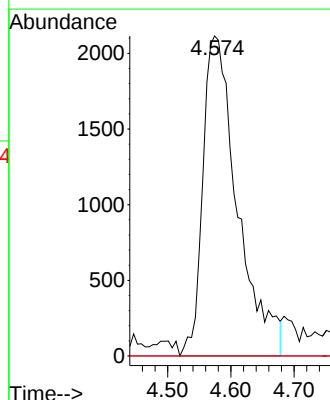
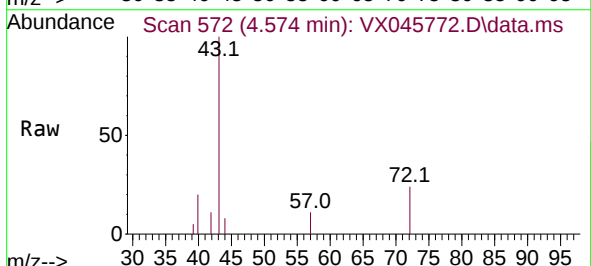
Tgt Ion: 43 Resp: 8048

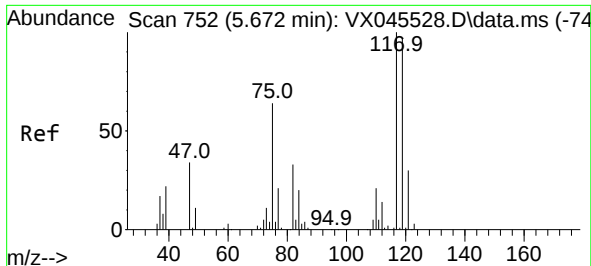
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#

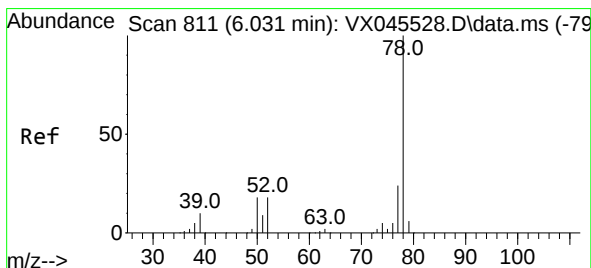
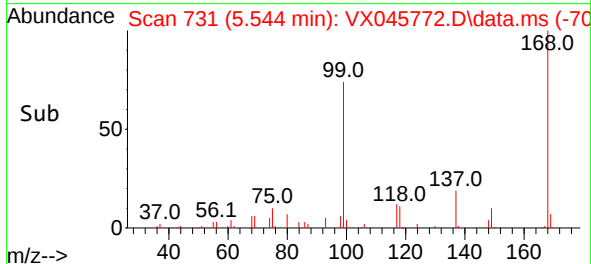
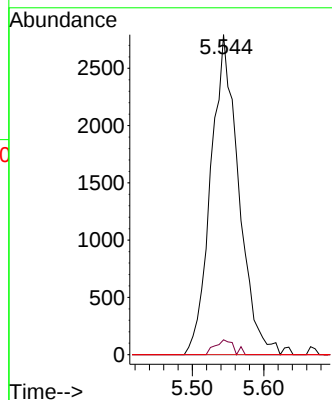
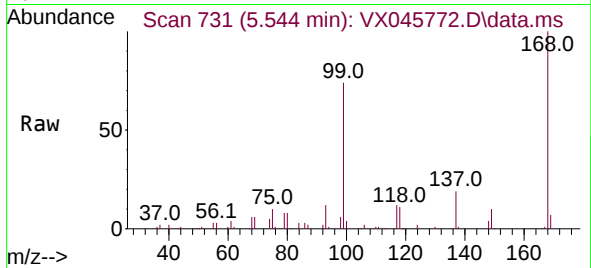




#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

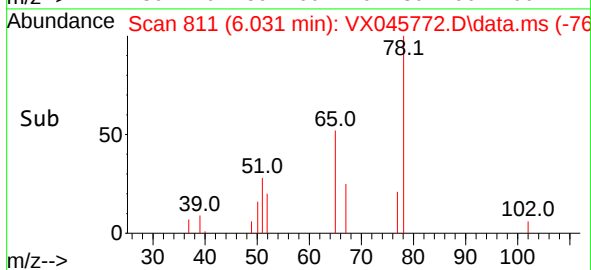
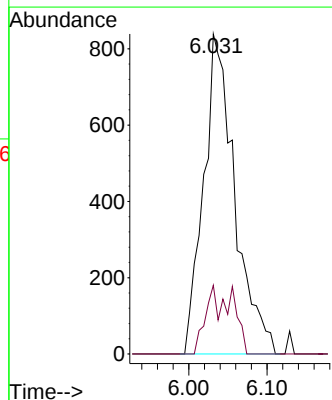
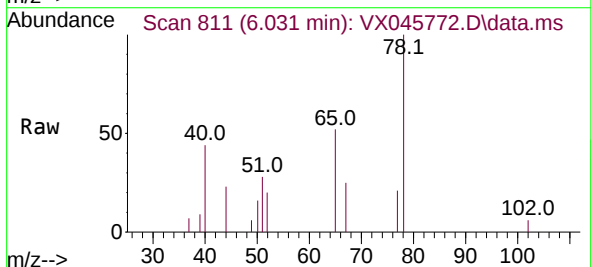
Instrument :
MSVOA_X
ClientSampleId :
TP-23

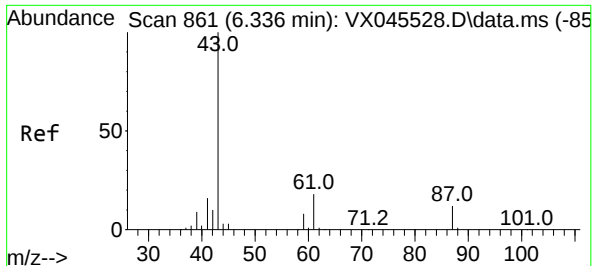
Tgt Ion:117 Resp: 7573
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.616 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 78 Resp: 2315
Ion Ratio Lower Upper
78 100
77 21.5 19.0 28.6

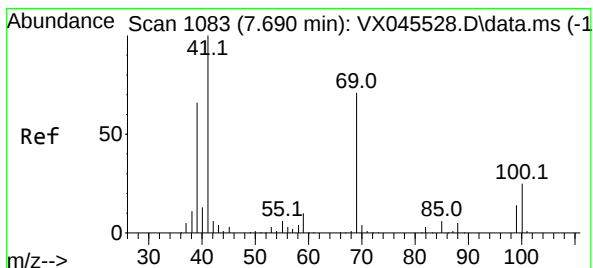
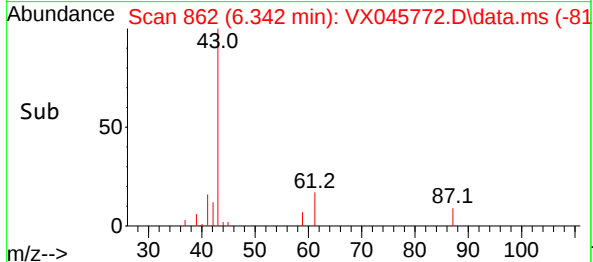
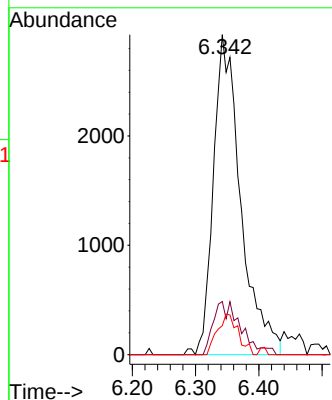
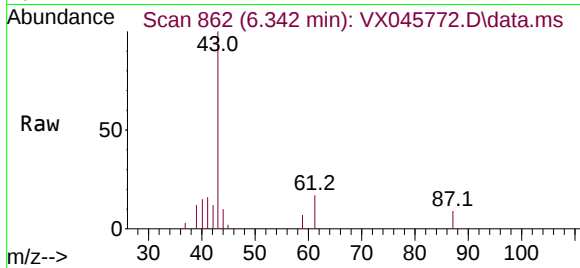




#43
Isopropyl Acetate
Concen: 3.726 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

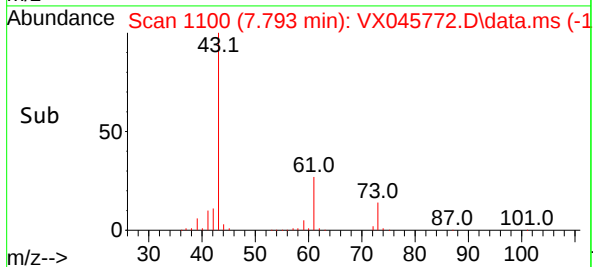
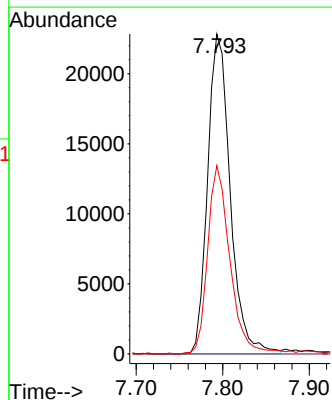
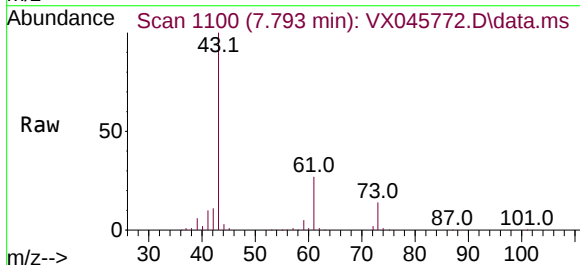
Instrument :
MSVOA_X
ClientSampleId :
TP-23

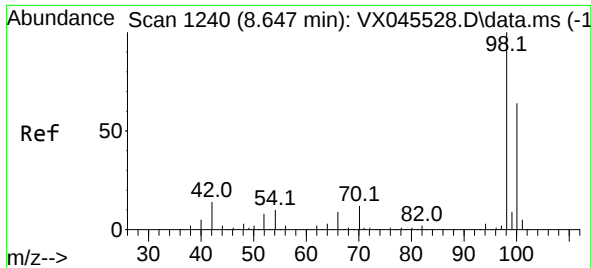
Tgt Ion: 43 Resp: 8764
Ion Ratio Lower Upper
43 100
61 16.2 14.1 21.1
87 9.6 9.2 13.8



#48
Methyl methacrylate
Concen: 34.113 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 41 Resp: 41424
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.3 53.6 80.4

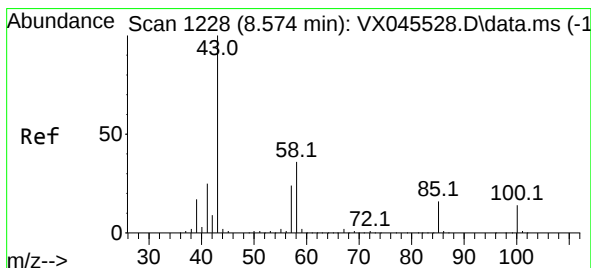
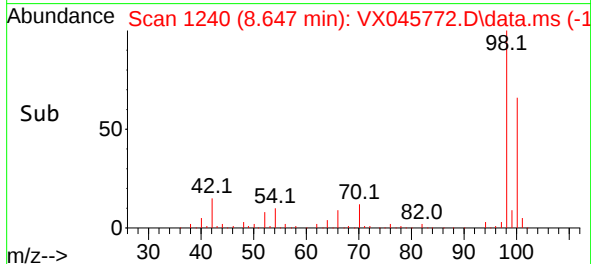
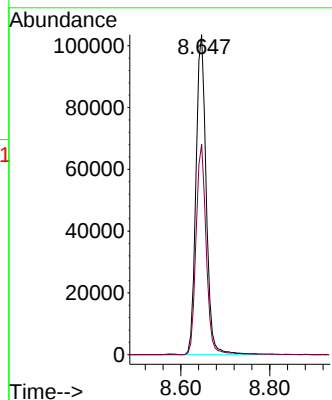
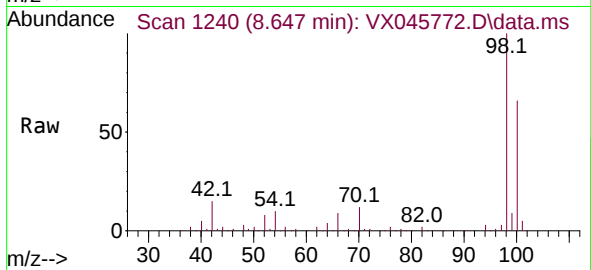




#50
Toluene-d8
Concen: 51.847 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

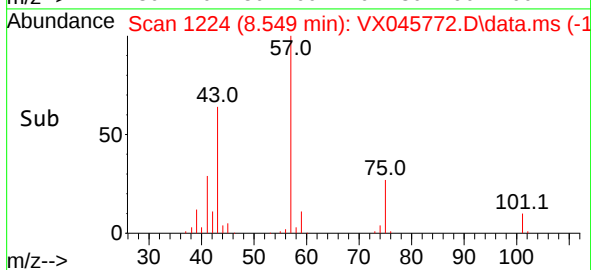
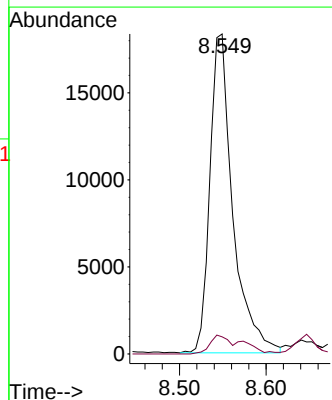
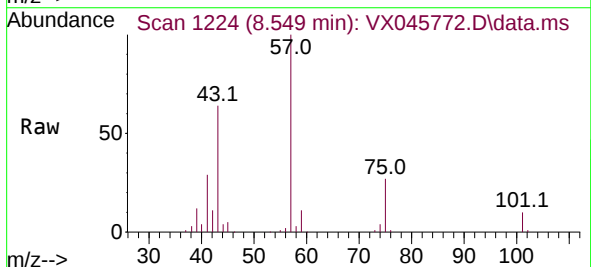
Instrument :
MSVOA_X
ClientSampleId :
TP-23

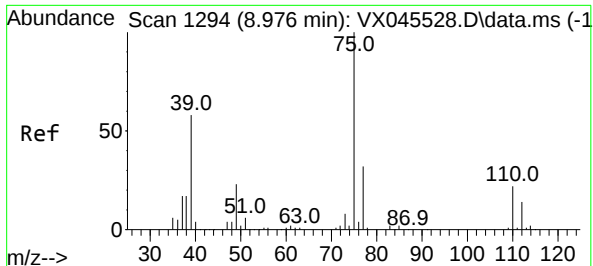
Tgt Ion: 98 Resp: 165038
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 21.575 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 43 Resp: 33638
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#

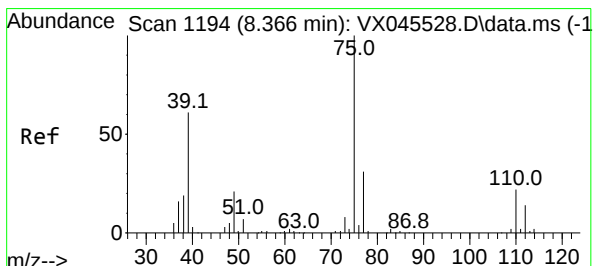
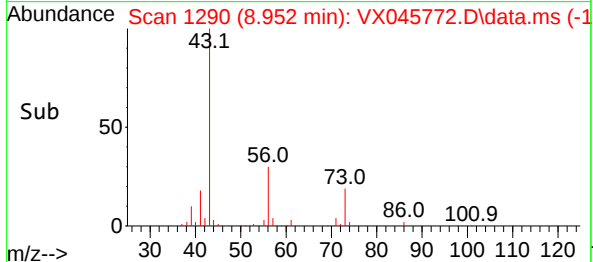
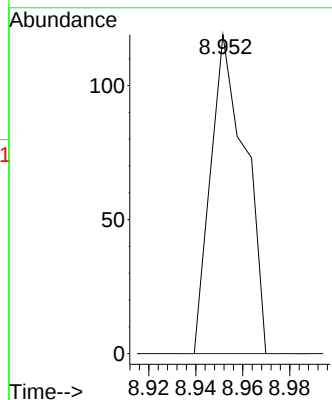
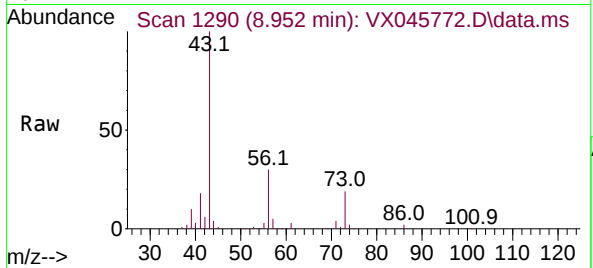




#53
 t-1,3-Dichloropropene
 Concen: 2.373 ug/l
 RT: 8.952 min Scan# 1122
 Delta R.T. -0.024 min
 Lab File: VX045772.D
 Acq: 14 Apr 2025 16:44

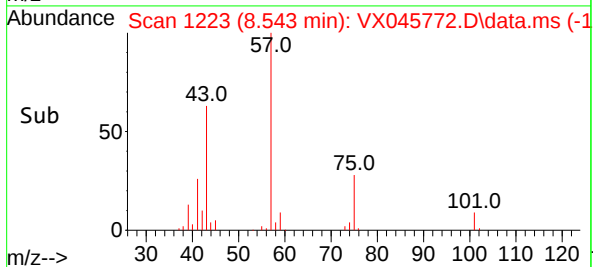
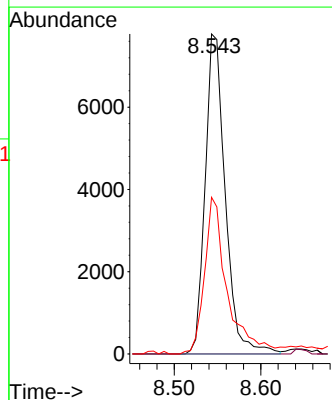
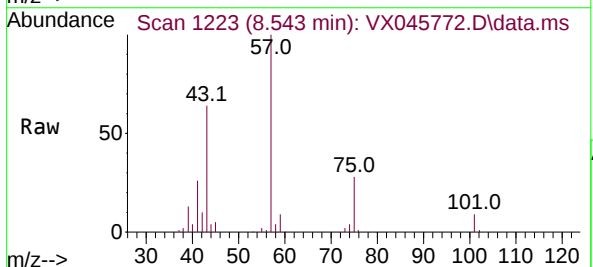
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-23

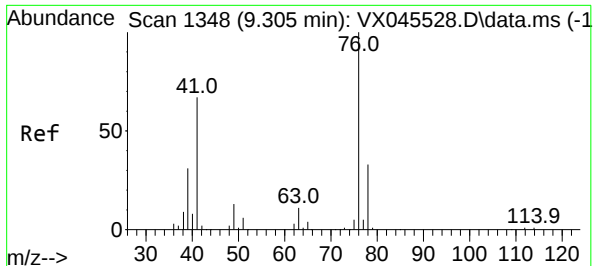
Tgt Ion: 75 Resp: 122
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.273 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045772.D
 Acq: 14 Apr 2025 16:44

Tgt Ion: 75 Resp: 12535
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 49.0 48.4 72.6





#57

1,3-Dichloropropane

Concen: 0.863 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045772.D

Acq: 14 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

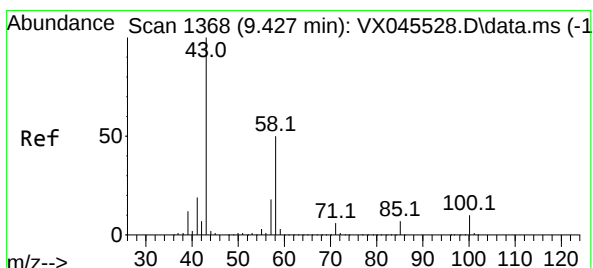
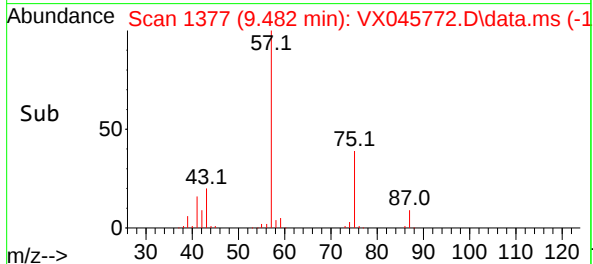
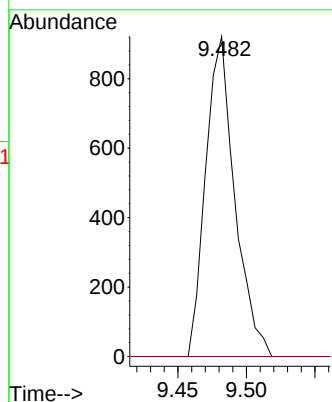
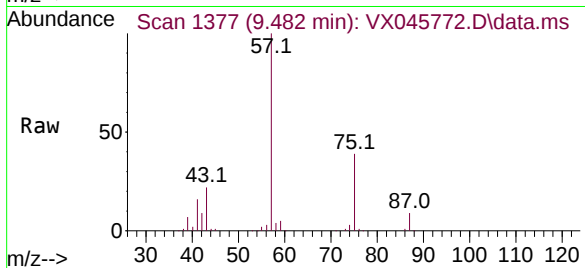
TP-23

Tgt Ion: 76 Resp: 1362

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.367 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045772.D

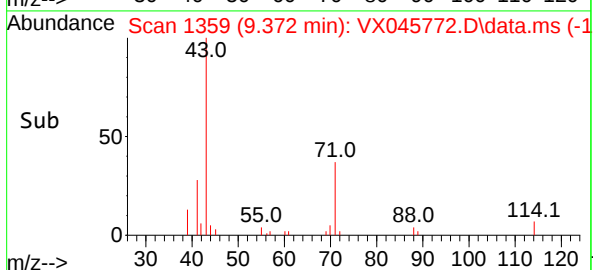
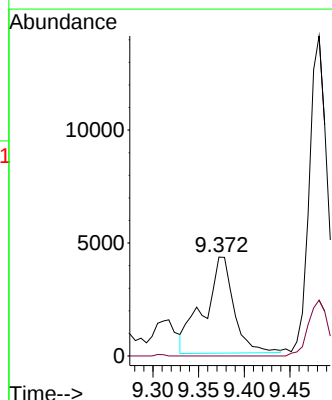
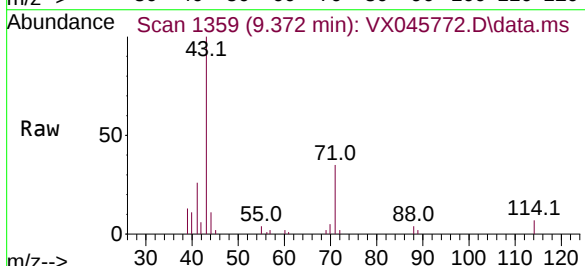
Acq: 14 Apr 2025 16:44

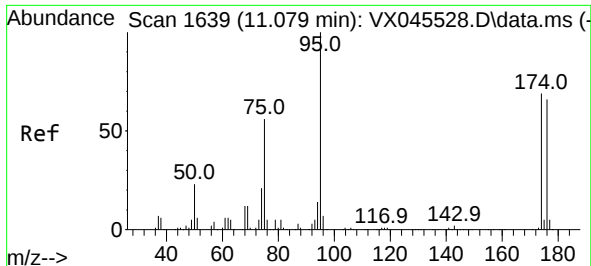
Tgt Ion: 43 Resp: 9660

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

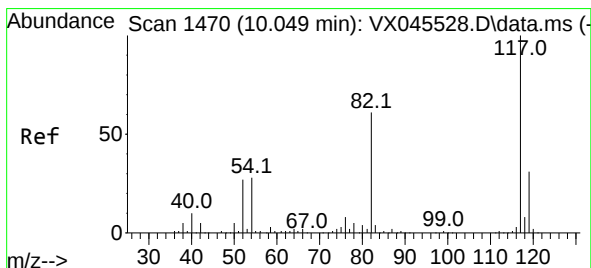
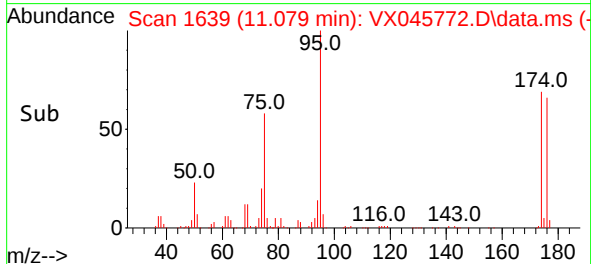
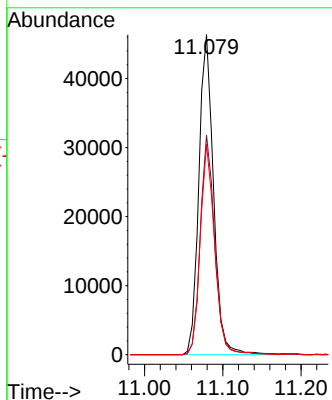
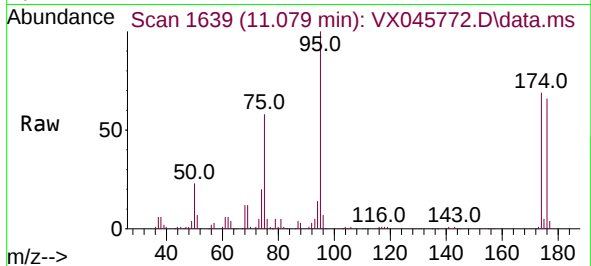




#62
4-Bromofluorobenzene
Concen: 52.122 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

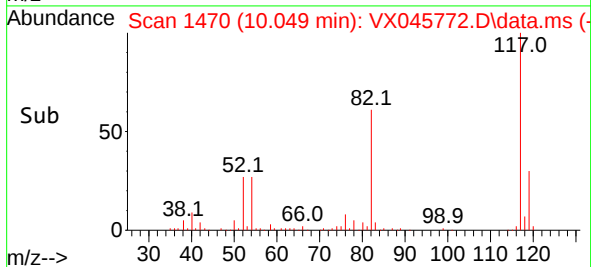
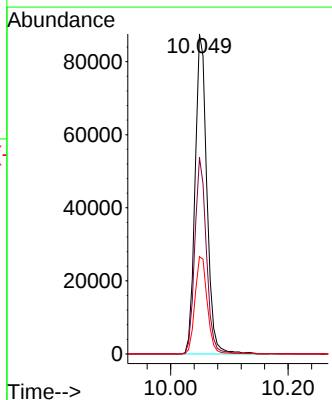
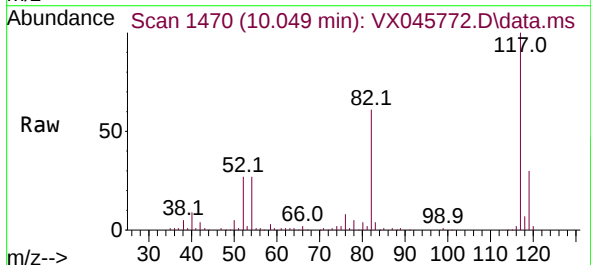
Instrument :
MSVOA_X
ClientSampleId :
TP-23

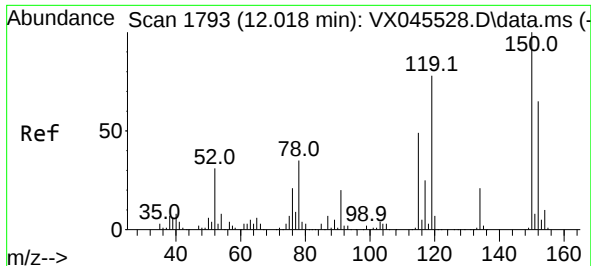
Tgt Ion: 95 Resp: 60434
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 117 Resp: 122013
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 30.4 25.1 37.7

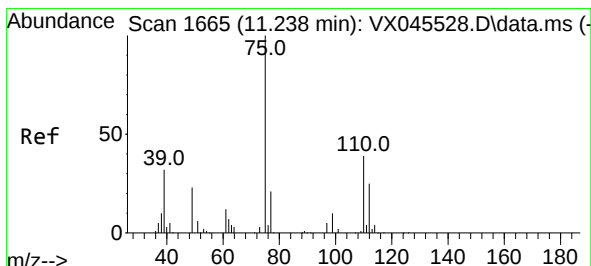
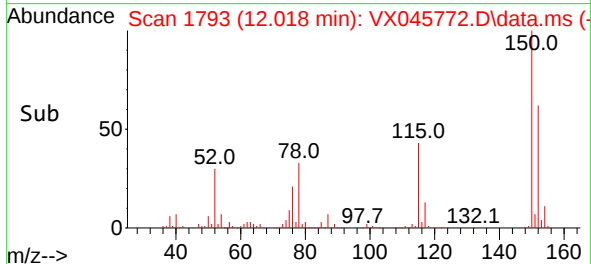
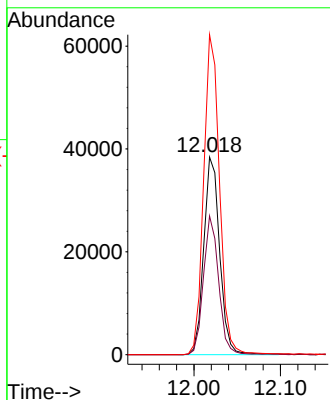
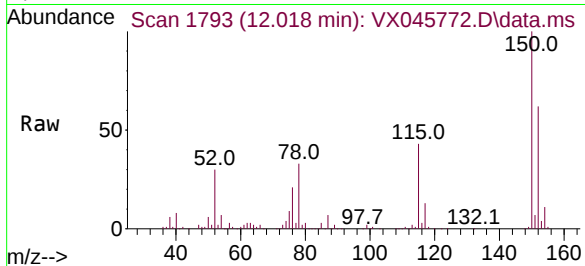




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045772.D
 Acq: 14 Apr 2025 16:44

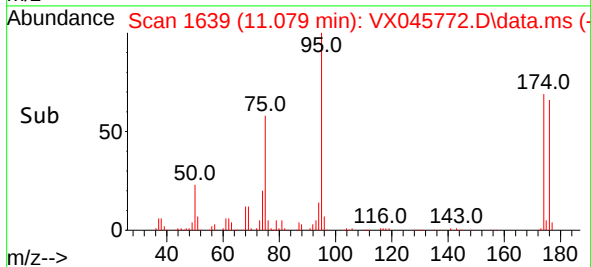
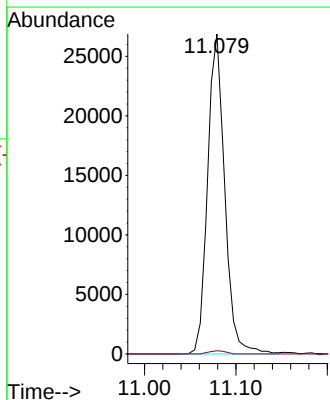
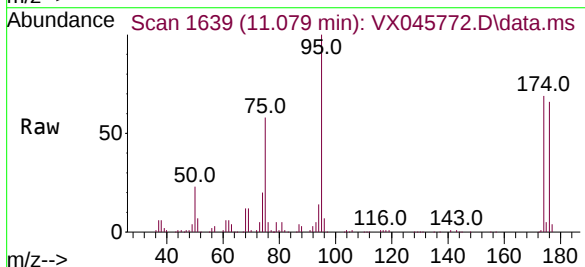
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-23

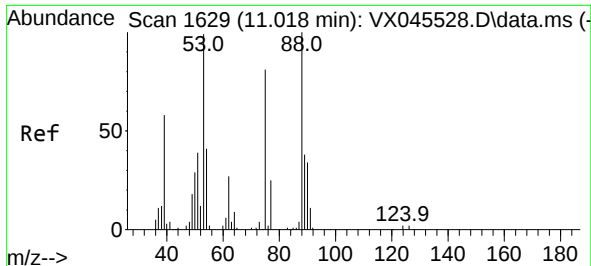
Tgt Ion:152 Resp: 49069
 Ion Ratio Lower Upper
 152 100
 115 67.0 46.9 140.7
 150 161.4 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.227 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045772.D
 Acq: 14 Apr 2025 16:44

Tgt Ion: 75 Resp: 34982
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

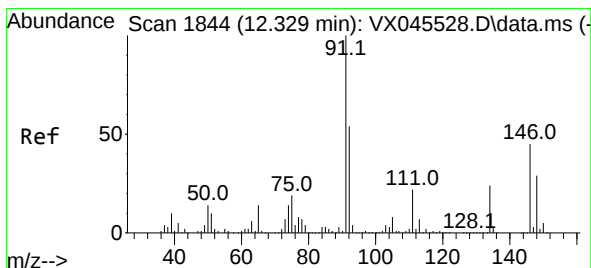
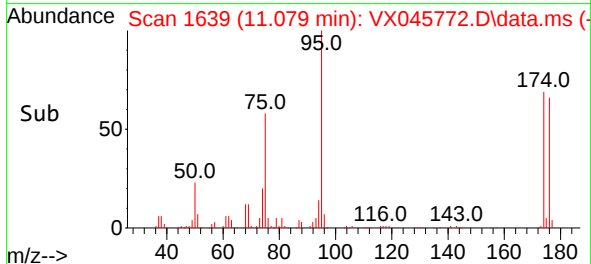
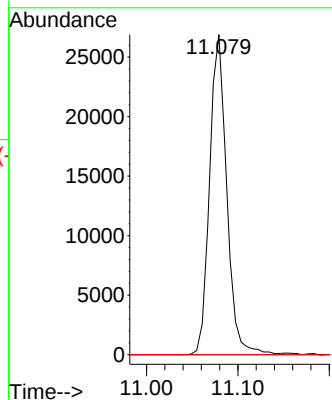
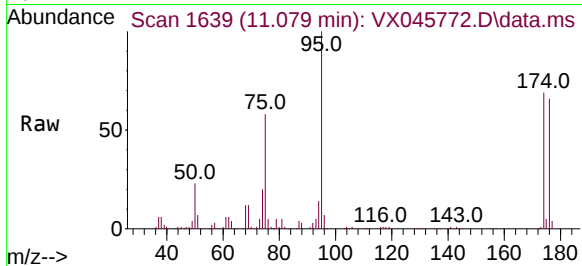




#81
trans-1,4-Dichloro-2-butene
Concen: 99.193 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

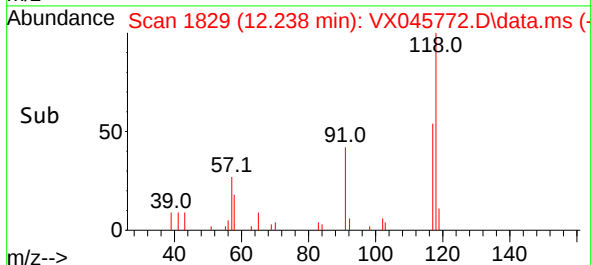
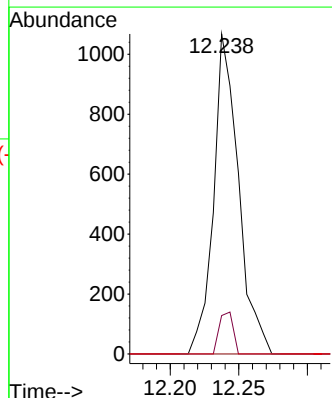
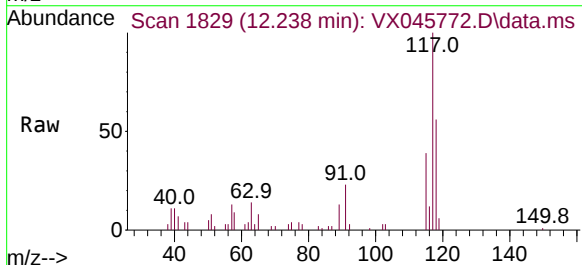
Instrument :
MSVOA_X
ClientSampleId :
TP-23

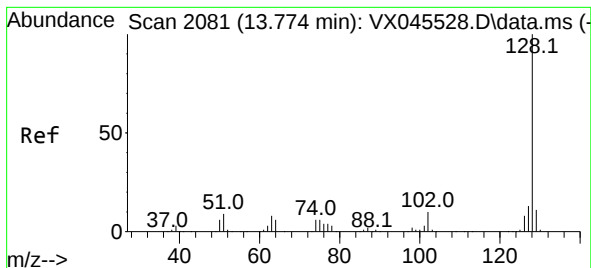
Tgt Ion: 75 Resp: 34982
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.477 ug/l
RT: 12.238 min Scan# 1829
Delta R.T. -0.092 min
Lab File: VX045772.D
Acq: 14 Apr 2025 16:44

Tgt Ion: 91 Resp: 1349
Ion Ratio Lower Upper
91 100
92 7.3 26.9 80.6#
134 0.0 11.9 35.7#





#95

Naphthalene

Concen: 0.254 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX045772.D

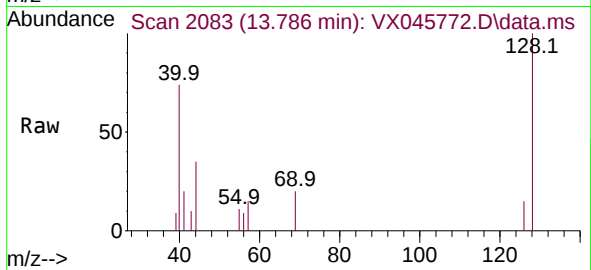
Acq: 14 Apr 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TP-23



Tgt Ion:128 Resp: 866

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 12.8#

