

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045771.D
 Acq On : 14 Apr 2025 16:21
 Operator : JC/MD
 Sample : Q1779-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22

Quant Time: Apr 15 01:29:43 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)

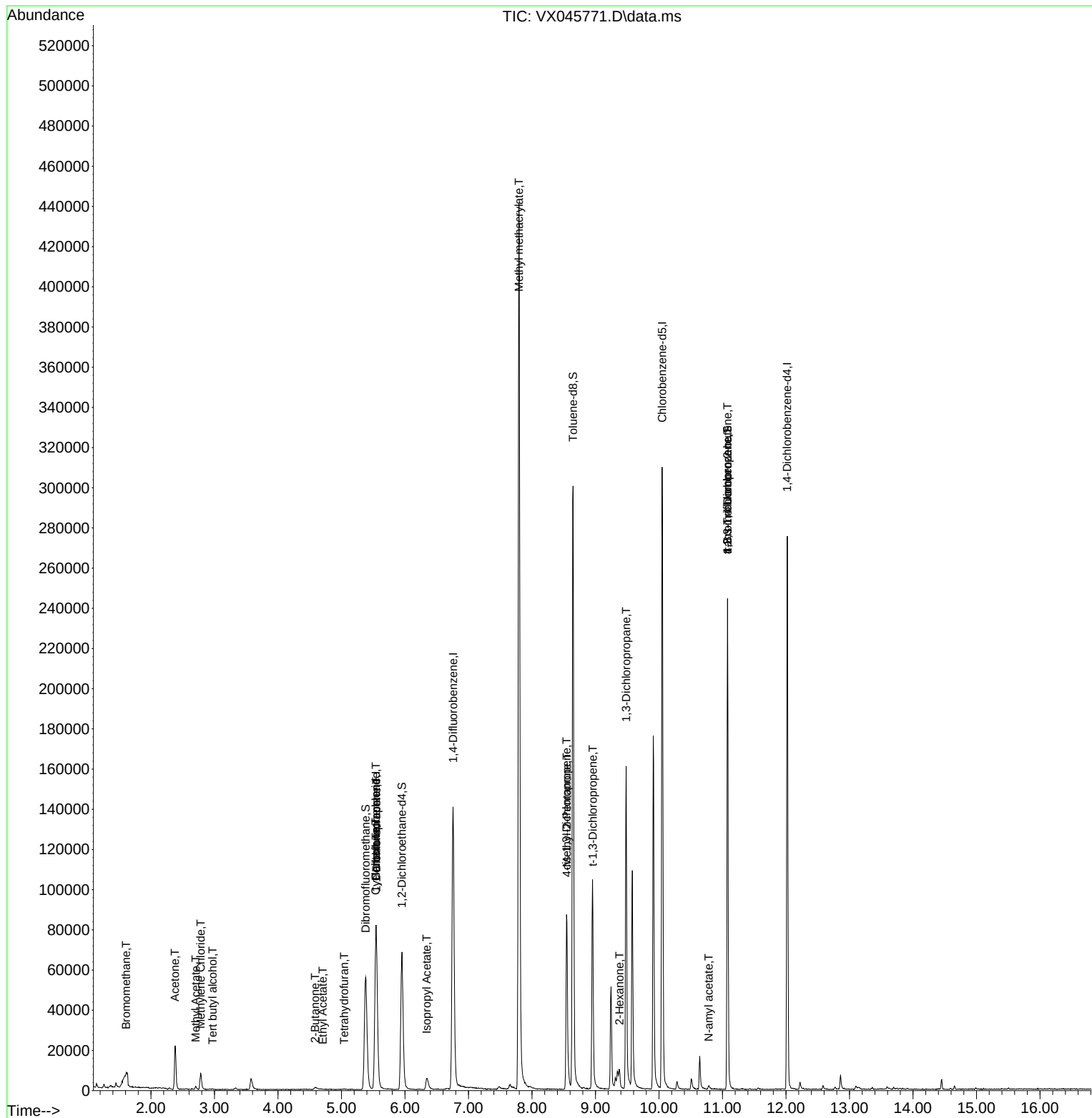
Internal Standards						
1) Pentafluorobenzene	5.544	168	68866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68192	54.147	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.300%	
35) Dibromofluoromethane	5.379	113	48841	50.860	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.720%	
50) Toluene-d8	8.647	98	172588	51.491	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	11.079	95	62388	51.100	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	124	0.270	ug/l #	3
11) Tert butyl alcohol	2.971	59	269	1.589	ug/l #	72
16) Acetone	2.380	43	24129	46.659	ug/l	96
18) Methyl Acetate	2.703	43	1895	1.592	ug/l	96
20) Methylene Chloride	2.782	84	3368	3.479	ug/l	94
25) 2-Butanone	4.587	43	2968	3.921	ug/l	94
29) Tetrahydrofuran	5.044	42	295	0.601	ug/l #	35
31) Cyclohexane	5.538	56	2129	1.378	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	6780	5.229	ug/l #	52
37) Ethyl Acetate	4.702	43	330	0.202	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7963	5.683	ug/l #	17
43) Isopropyl Acetate	6.342	43	8475	3.422	ug/l #	92
48) Methyl methacrylate	7.793	41	43823	34.273	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36029	21.946	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	157	2.392	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13301	9.345	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1309	0.787	ug/l #	42
59) 2-Hexanone	9.378	43	9723	7.998	ug/l #	28
74) N-amyl acetate	10.781	43	1399	0.728	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	35643	29.154	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35643	98.946	ug/l #	1

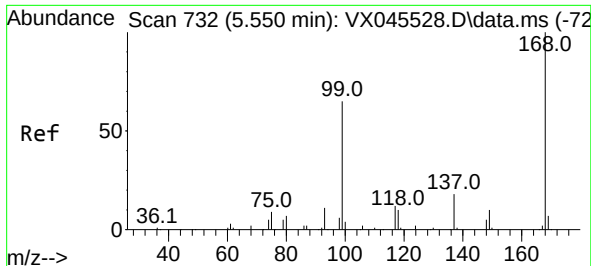
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 02 03:11:43 2025
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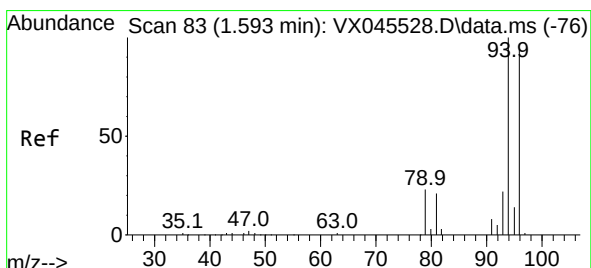
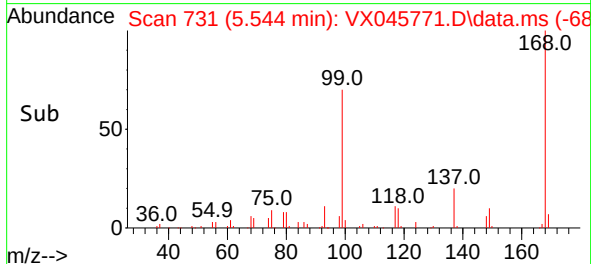
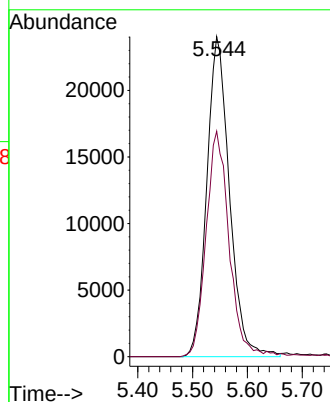
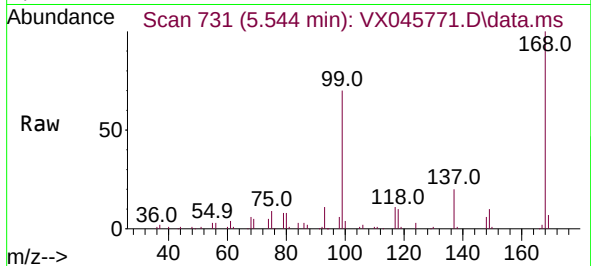




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

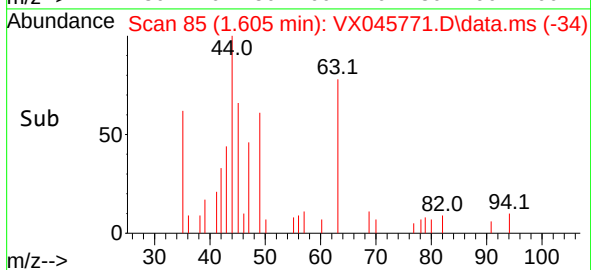
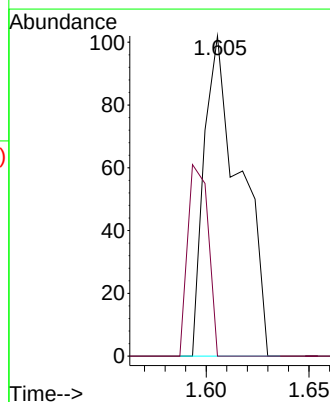
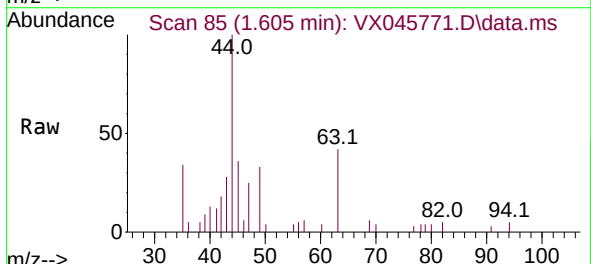
Instrument :
MSVOA_X
ClientSampleId :
TP-22

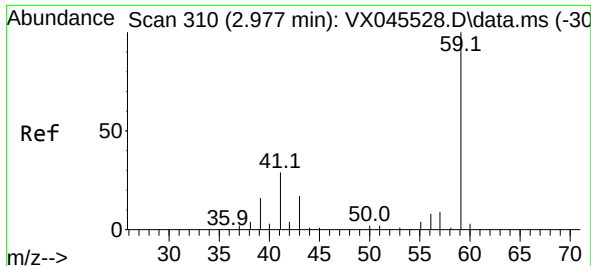
Tgt Ion:168 Resp: 68866
Ion Ratio Lower Upper
168 100
99 70.4 52.3 78.5



#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

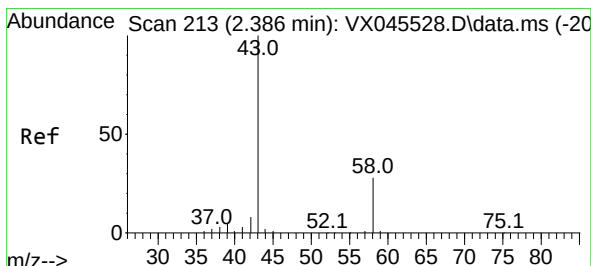
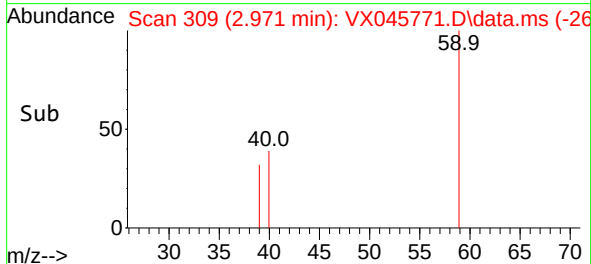
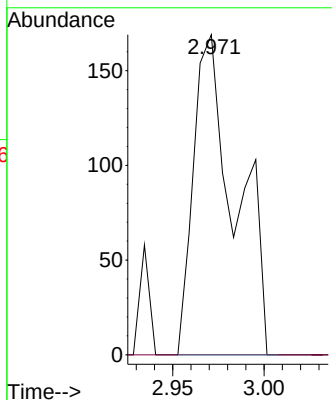
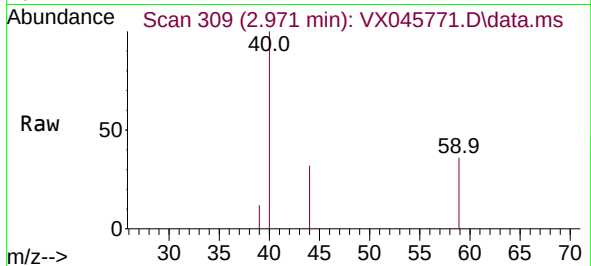




#11
Tert butyl alcohol
Concen: 1.589 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

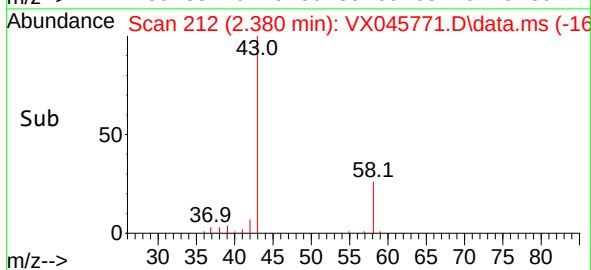
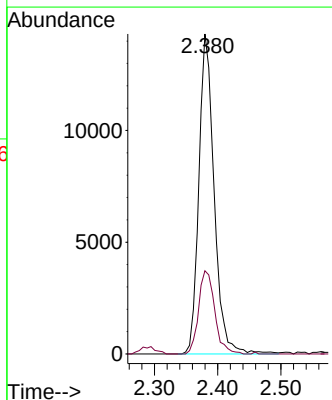
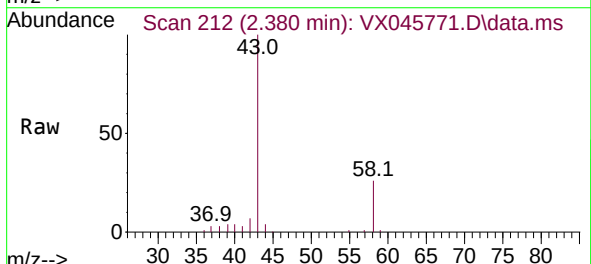
Instrument :
MSVOA_X
ClientSampleId :
TP-22

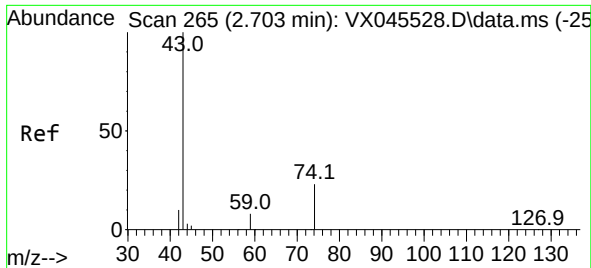
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 46.659 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 43 Resp: 24129
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5

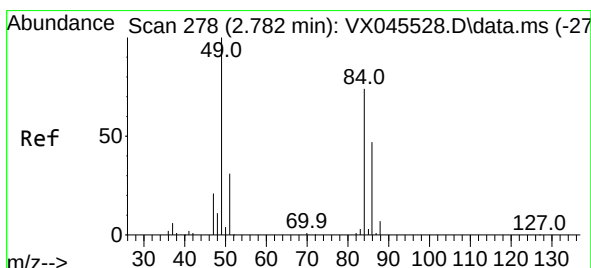
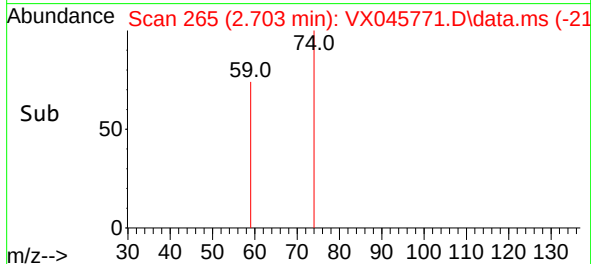
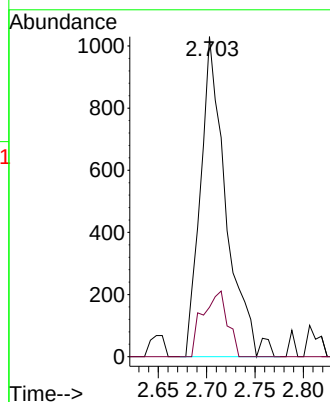
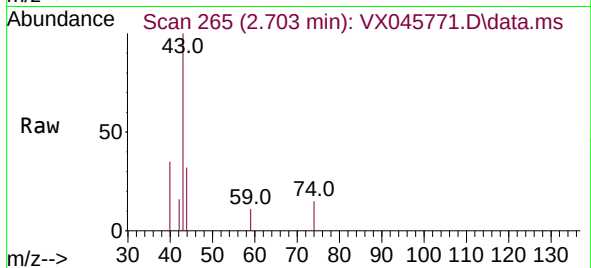




#18
Methyl Acetate
Concen: 1.592 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

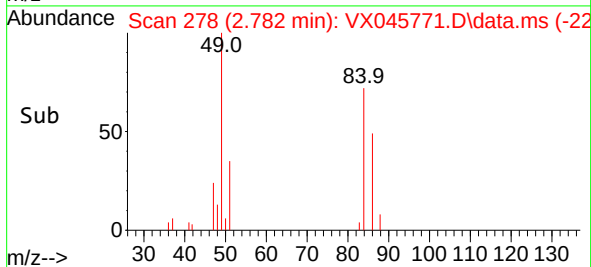
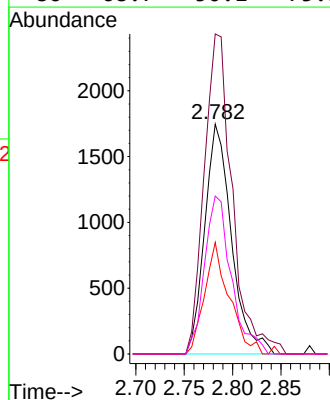
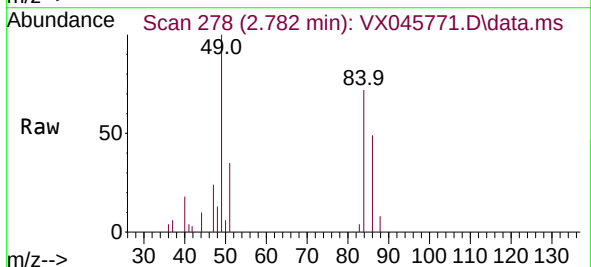
Instrument :
MSVOA_X
ClientSampleId :
TP-22

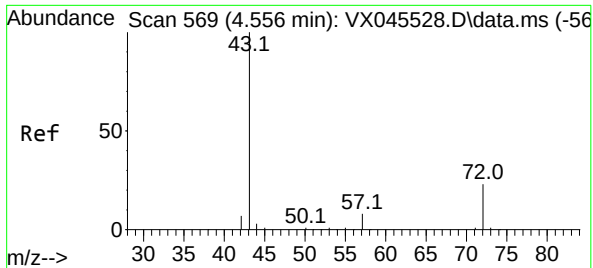
Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
74 19.8 17.5 26.3



#20
Methylene Chloride
Concen: 3.479 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 84 Resp: 3368
Ion Ratio Lower Upper
84 100
49 139.2 107.5 161.3
51 48.5 33.0 49.6
86 68.7 50.1 75.1

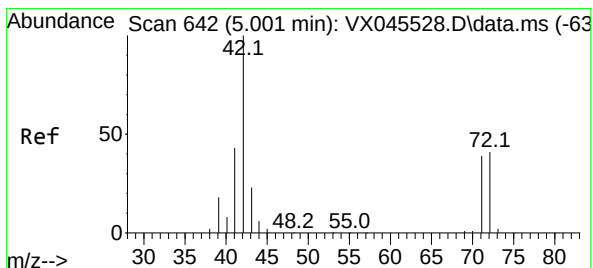
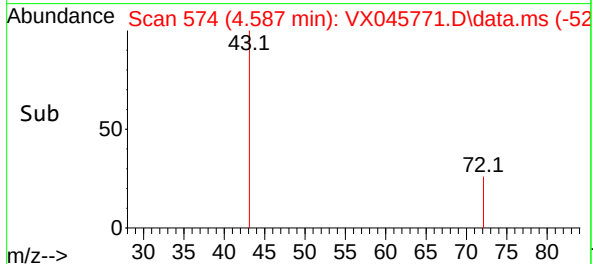
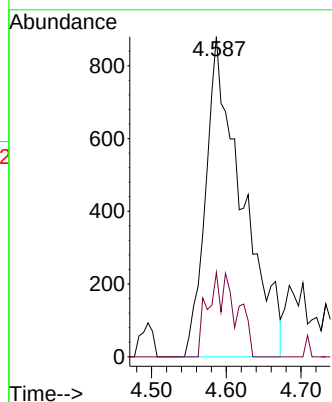
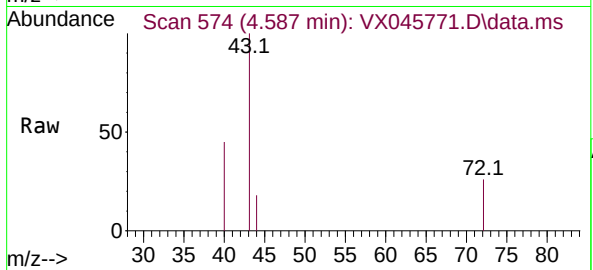




#25
2-Butanone
Concen: 3.921 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

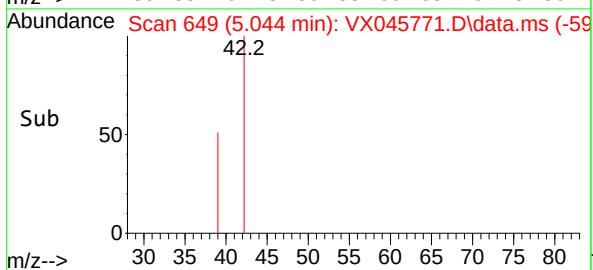
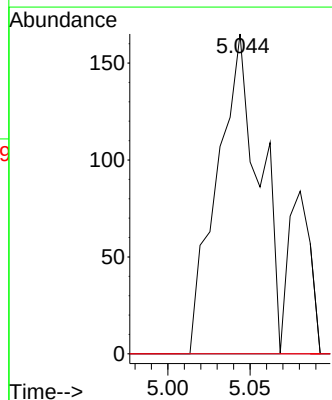
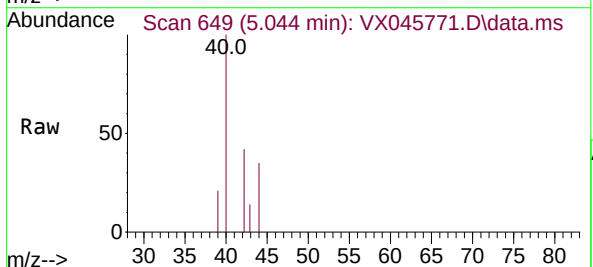
Instrument :
MSVOA_X
ClientSampleId :
TP-22

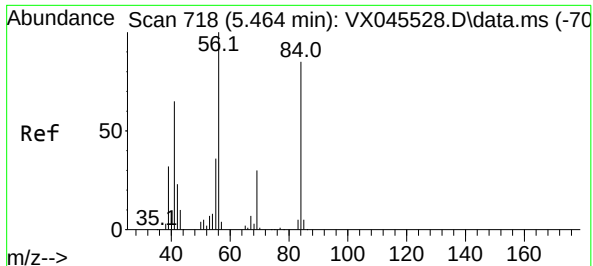
Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
72 26.4 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.601 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 42 Resp: 295
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

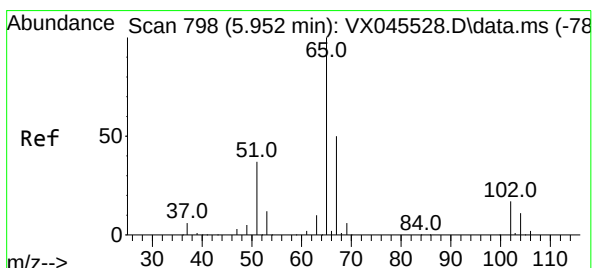
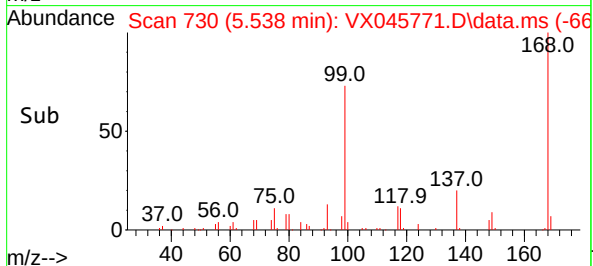
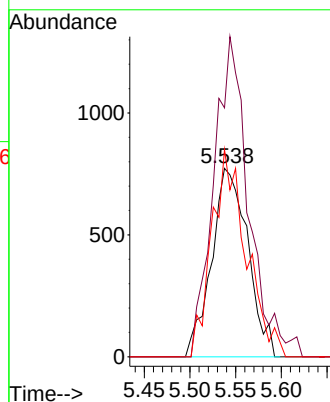
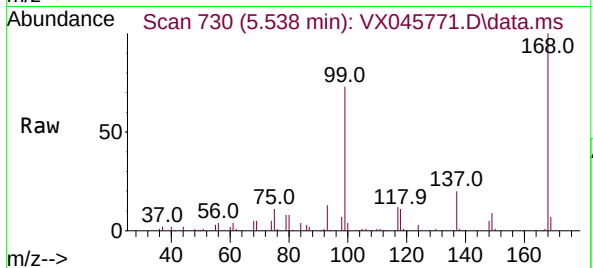




#31
Cyclohexane
Concen: 1.378 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

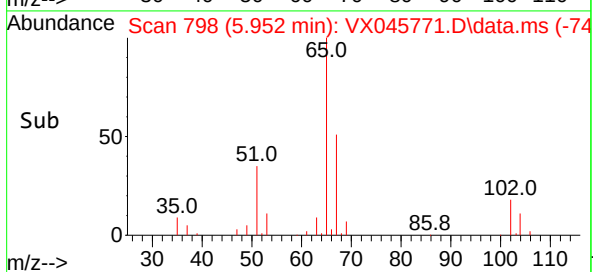
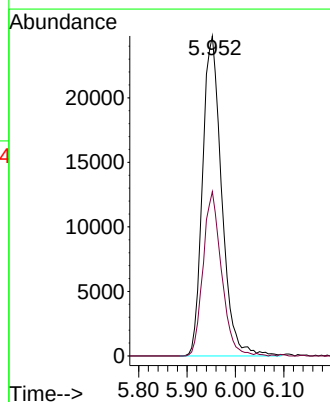
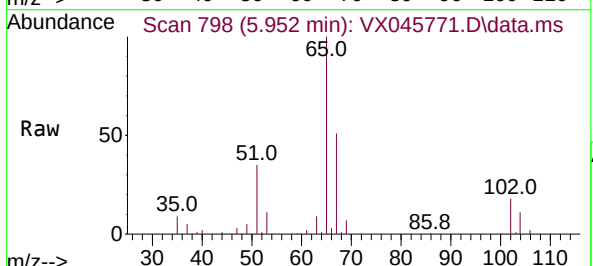
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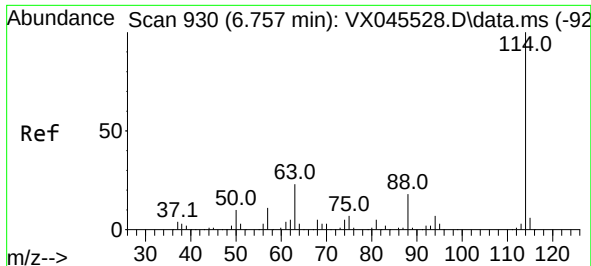
Tgt Ion: 56 Resp: 2129
Ion Ratio Lower Upper
56 100
69 132.1 23.6 35.4#
84 110.0 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.147 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 65 Resp: 68192
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

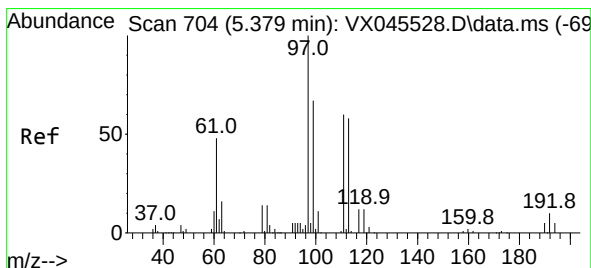
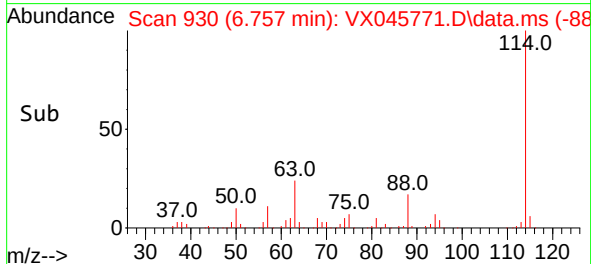
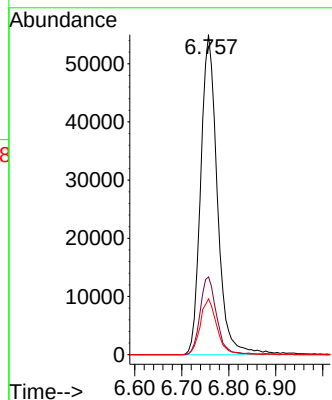
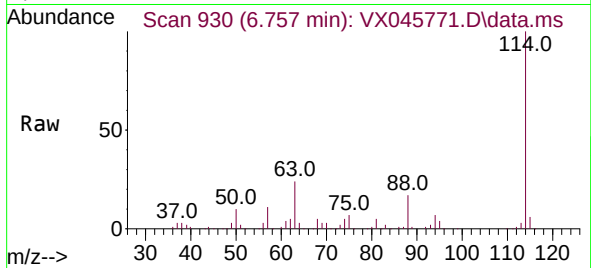




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045771.D
 Acq: 14 Apr 2025 16:21

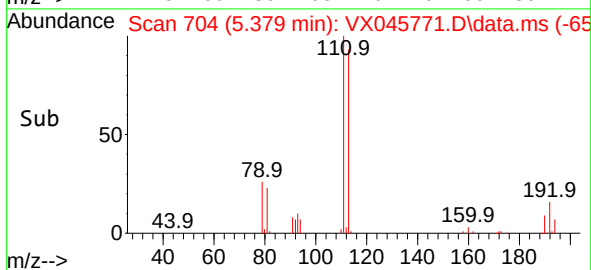
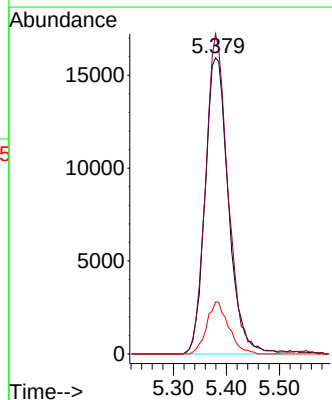
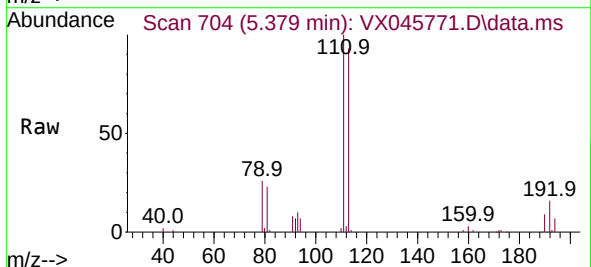
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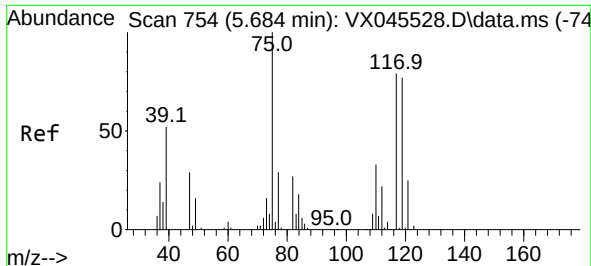
Tgt Ion:114 Resp: 135348
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 46.8
 88 17.5 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.860 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045771.D
 Acq: 14 Apr 2025 16:21

Tgt Ion:113 Resp: 48841
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.6
 192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.229 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045771.D

Acq: 14 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

TP-22

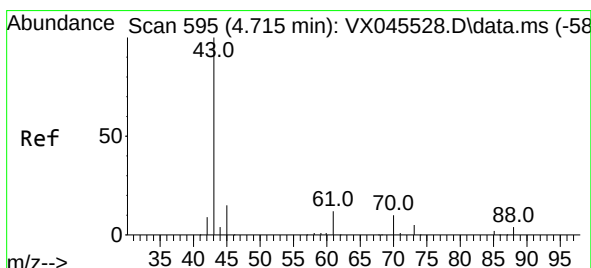
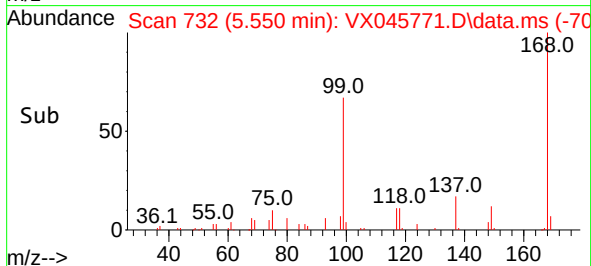
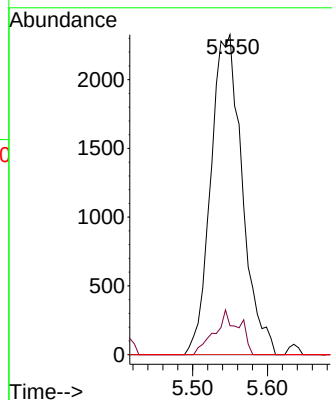
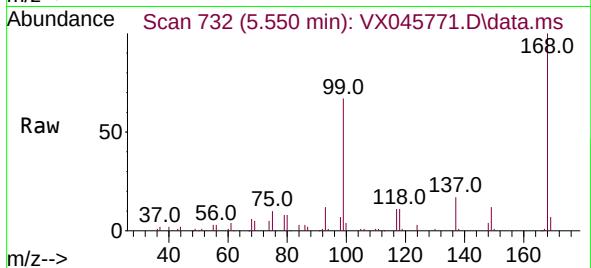
Tgt Ion: 75 Resp: 6780

Ion Ratio Lower Upper

75 100

110 10.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.202 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX045771.D

Acq: 14 Apr 2025 16:21

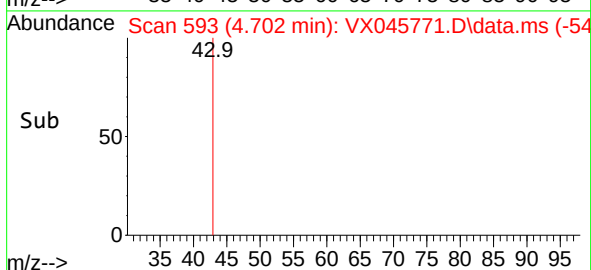
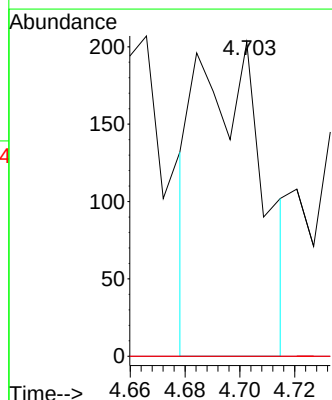
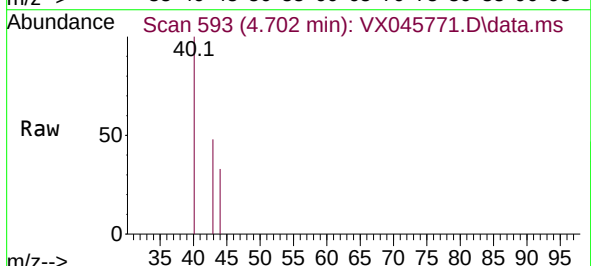
Tgt Ion: 43 Resp: 330

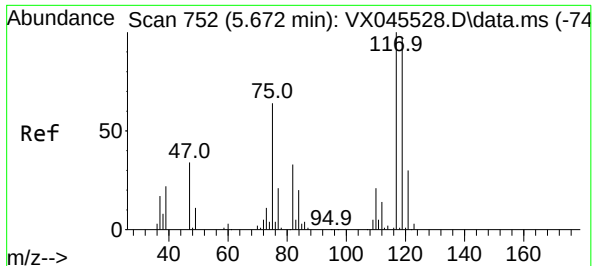
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#

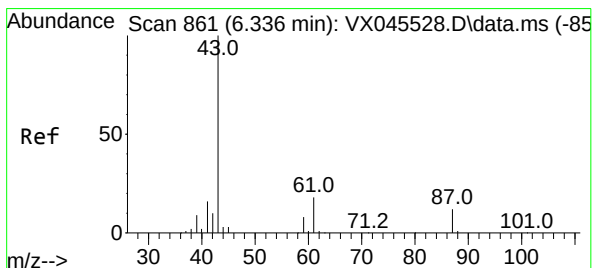
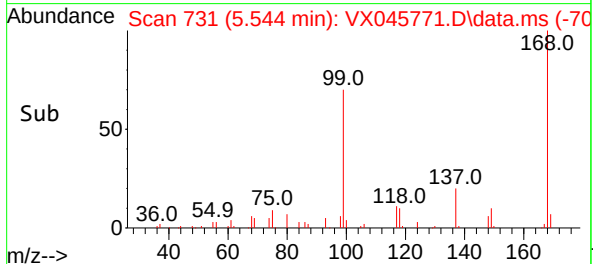
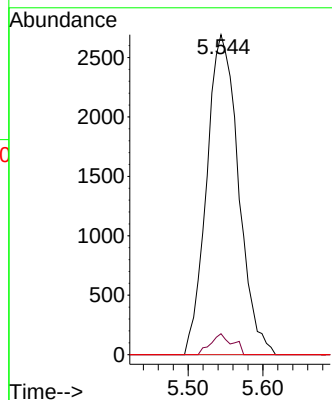
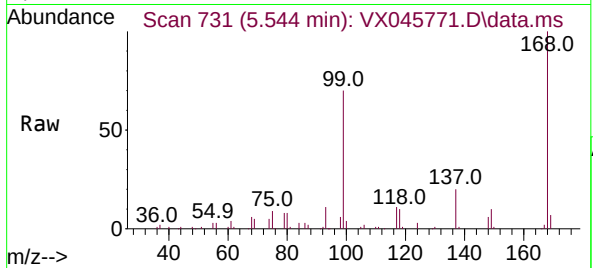




#38
Carbon Tetrachloride
Concen: 5.683 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

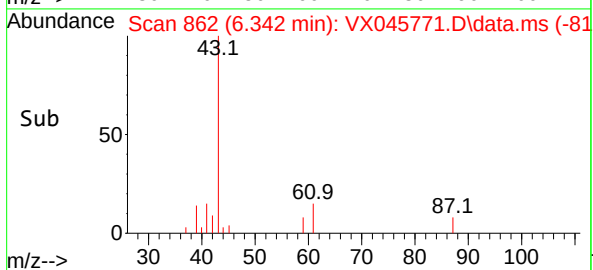
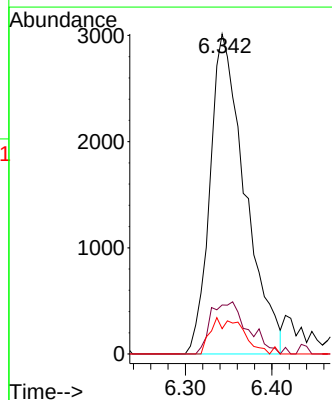
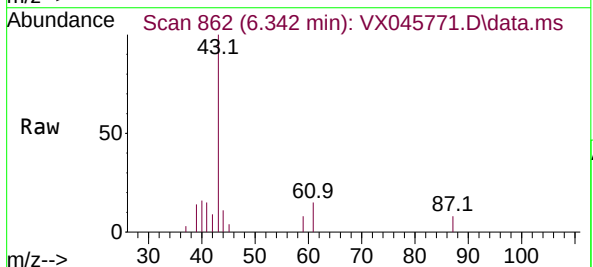
Instrument :
MSVOA_X
ClientSampleId :
TP-22

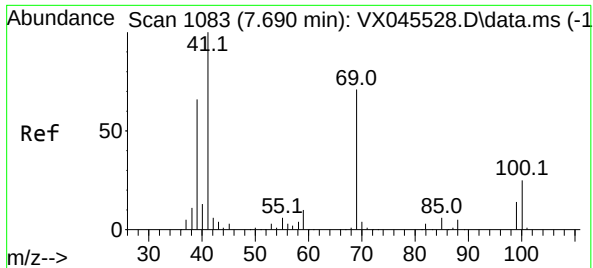
Tgt Ion:117 Resp: 7963
Ion Ratio Lower Upper
117 100
119 6.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.422 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 43 Resp: 8475
Ion Ratio Lower Upper
43 100
61 17.1 14.1 21.1
87 4.1 9.2 13.8#

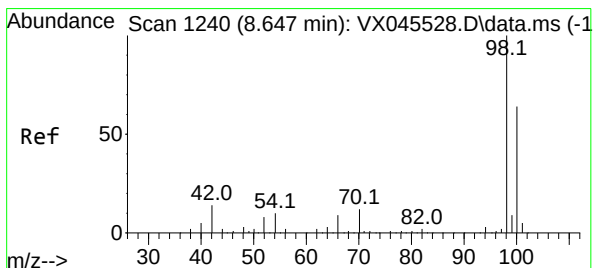
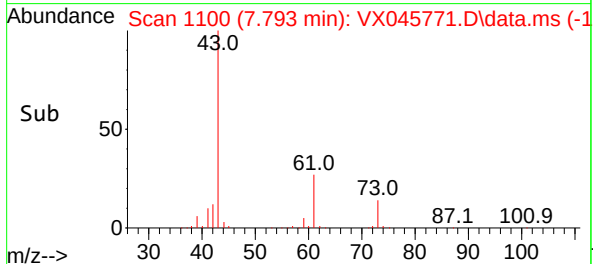
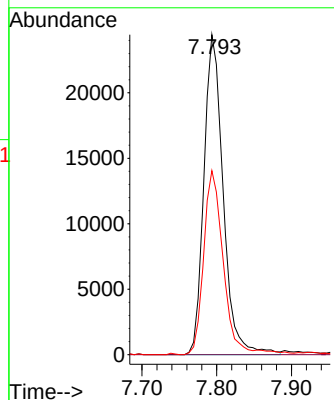
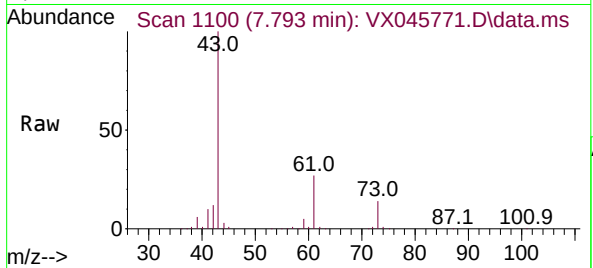




#48
Methyl methacrylate
Concen: 34.273 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

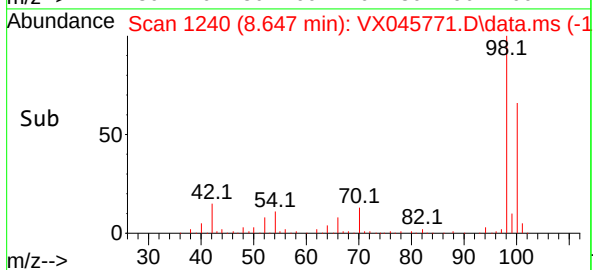
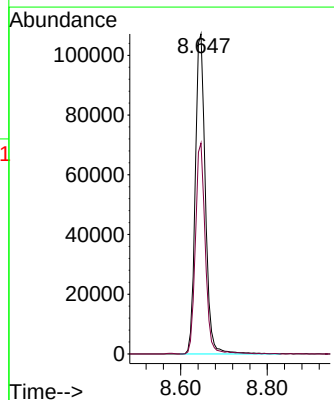
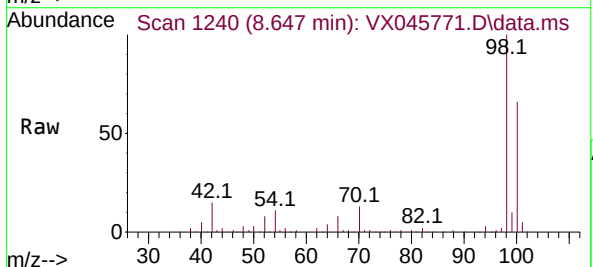
Instrument :
MSVOA_X
ClientSampleId :
TP-22

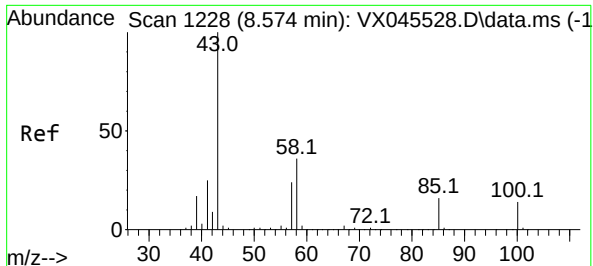
Tgt Ion: 41 Resp: 43823
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.9 53.6 80.4



#50
Toluene-d8
Concen: 51.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 98 Resp: 172588
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 21.946 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045771.D

Acq: 14 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

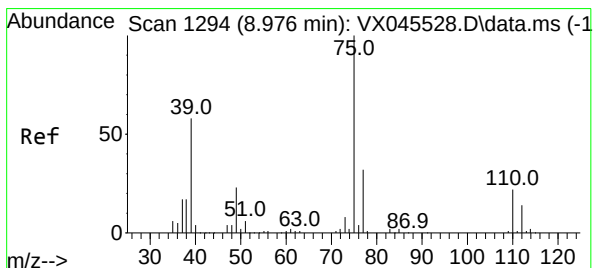
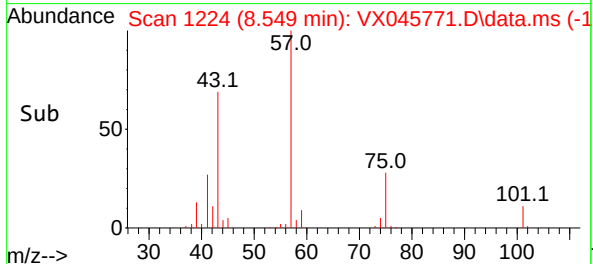
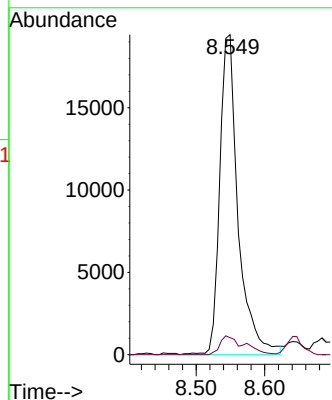
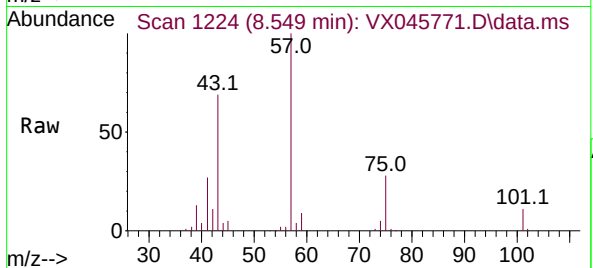
TP-22

Tgt Ion: 43 Resp: 36029

Ion Ratio Lower Upper

43 100

58 5.6 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.392 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX045771.D

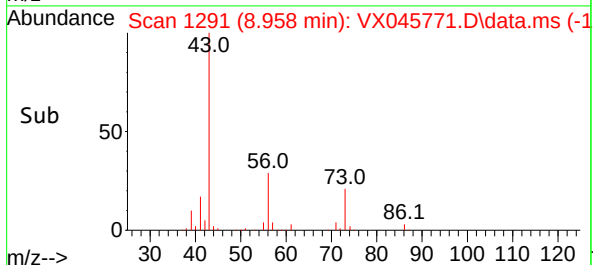
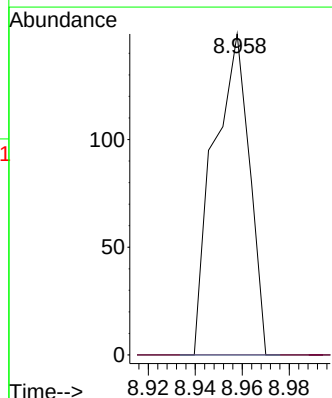
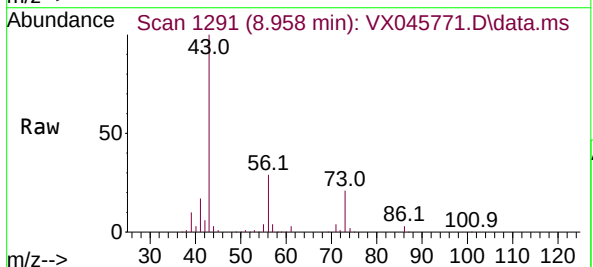
Acq: 14 Apr 2025 16:21

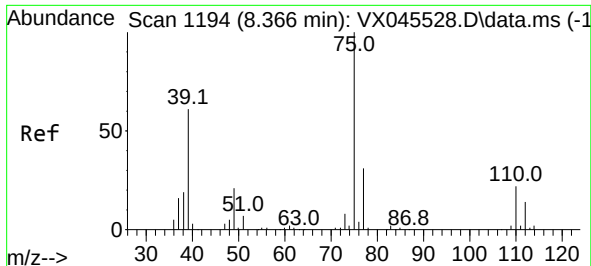
Tgt Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

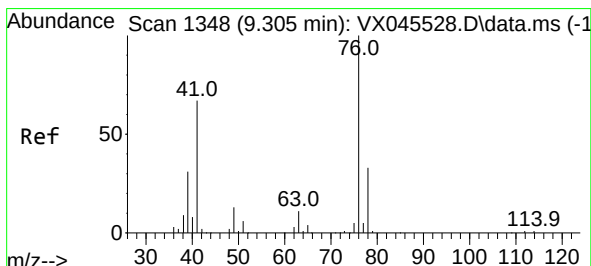
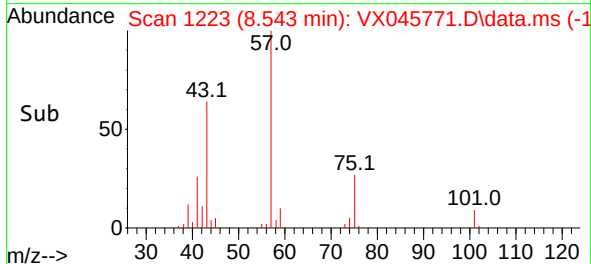
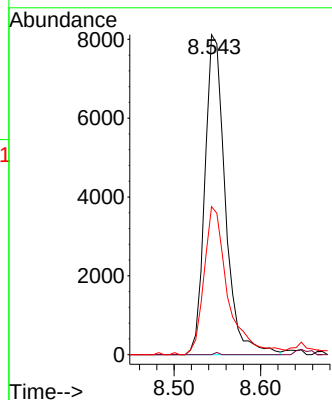
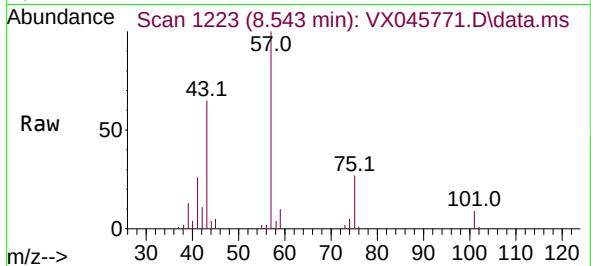




#54
 cis-1,3-Dichloropropene
 Concen: 9.345 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045771.D
 Acq: 14 Apr 2025 16:21

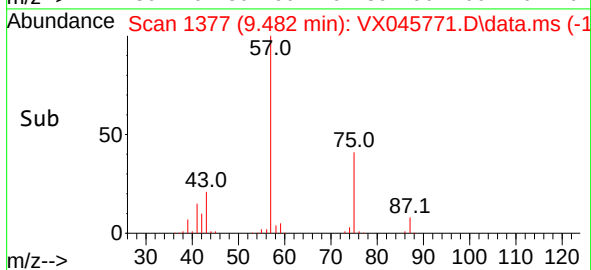
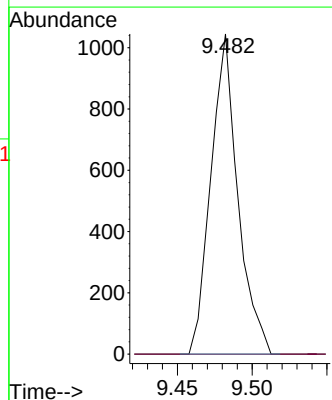
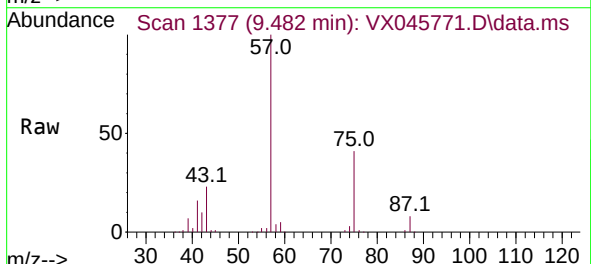
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22

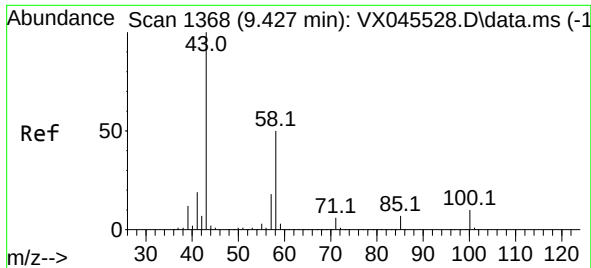
Tgt Ion: 75 Resp: 13301
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 46.3 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.787 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045771.D
 Acq: 14 Apr 2025 16:21

Tgt Ion: 76 Resp: 1309
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

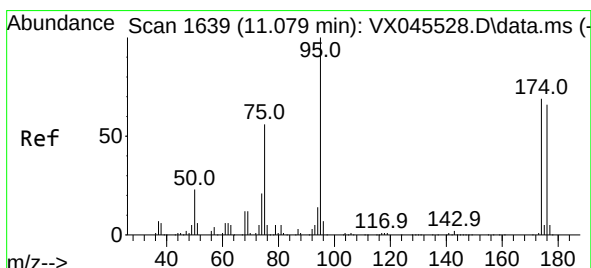
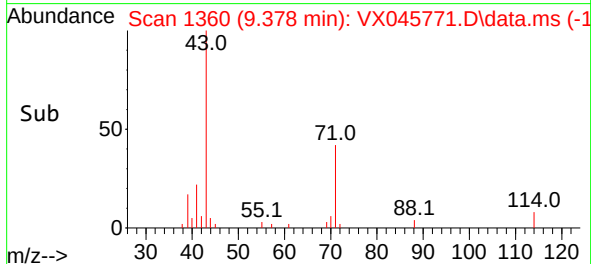
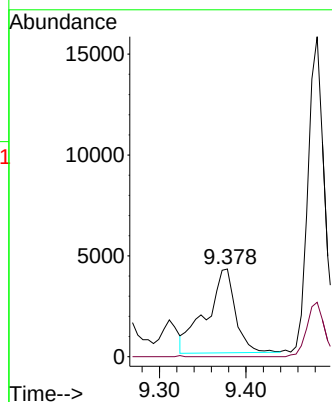
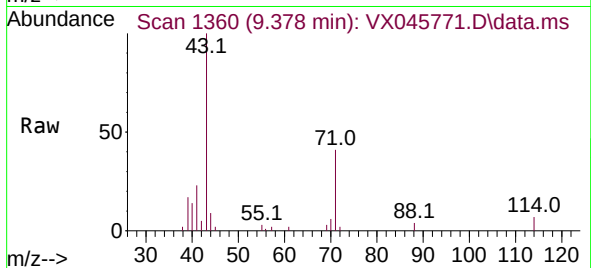




#59
2-Hexanone
Concen: 7.998 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

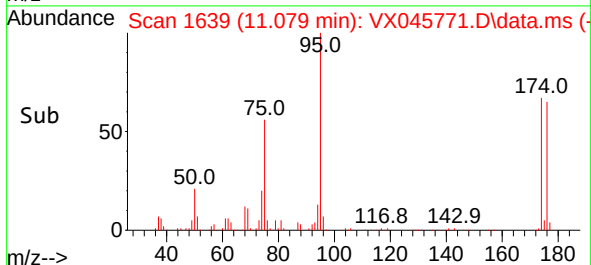
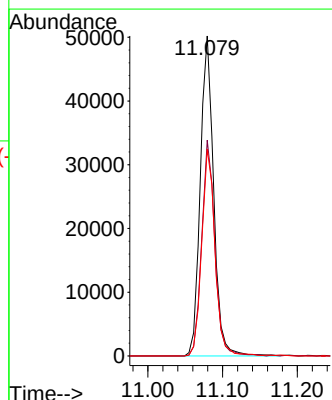
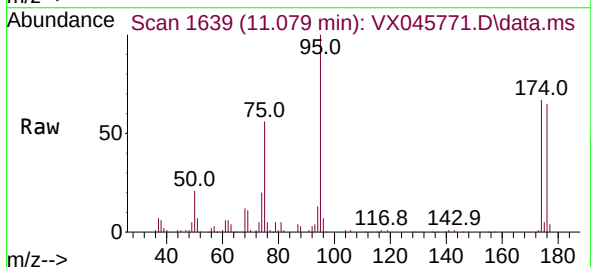
Instrument :
MSVOA_X
ClientSampleId :
TP-22

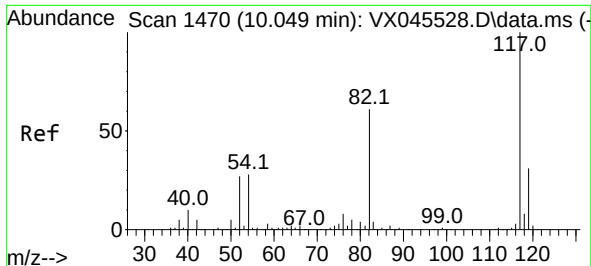
Tgt Ion: 43 Resp: 9723
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.100 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion: 95 Resp: 62388
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 64.3 0.0 131.4

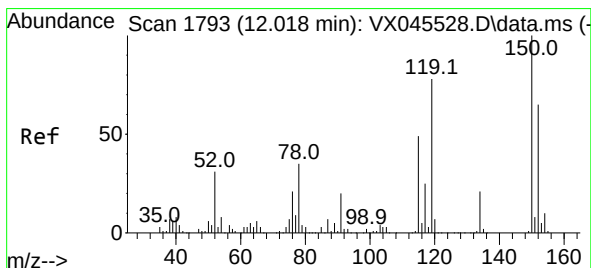
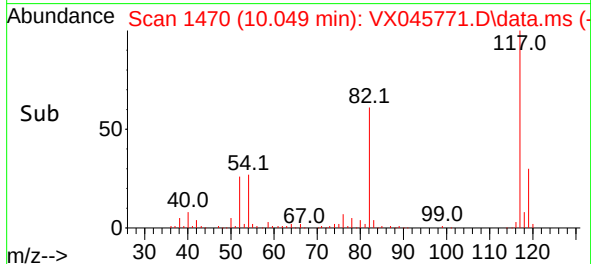
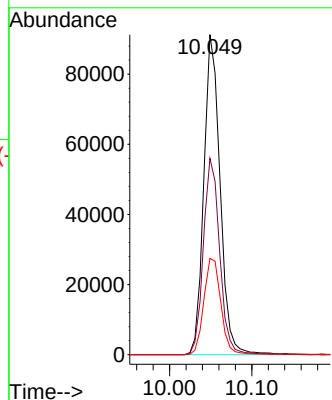
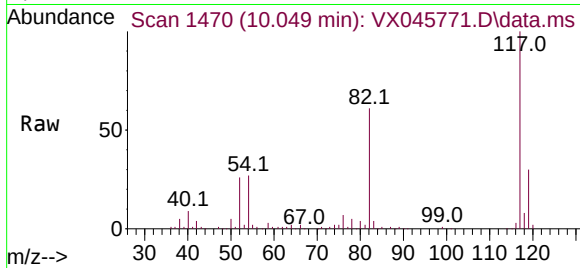




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

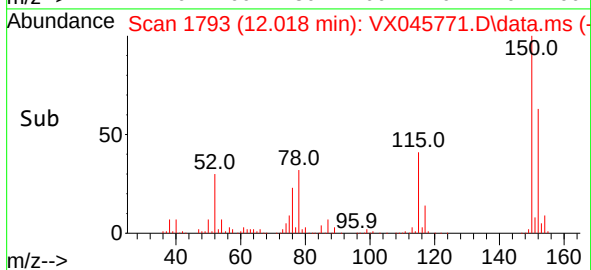
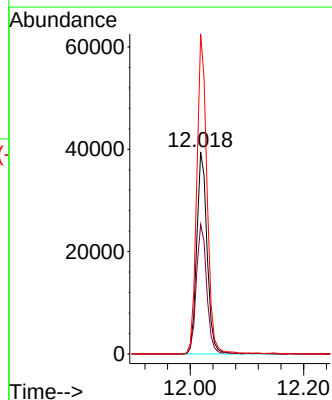
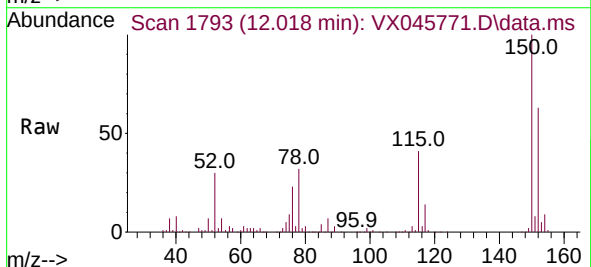
Instrument :
MSVOA_X
ClientSampleId :
TP-22

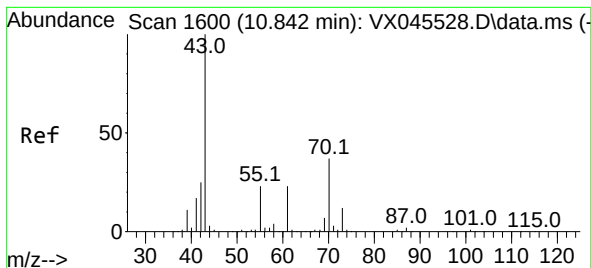
Tgt Ion:117 Resp: 125600
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 30.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045771.D
Acq: 14 Apr 2025 16:21

Tgt Ion:152 Resp: 50121
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 155.7 0.0 349.4





#74

N-amy1 acetate

Concen: 0.728 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX045771.D

Acq: 14 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

TP-22

Tgt Ion: 43 Resp: 1399

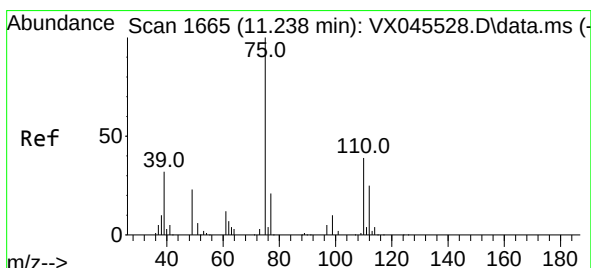
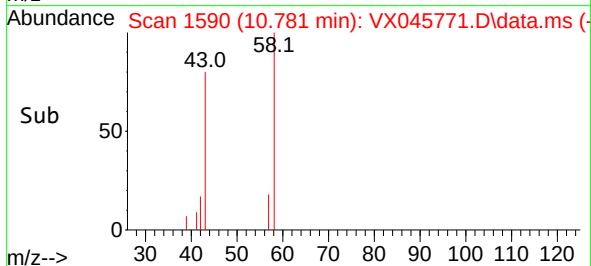
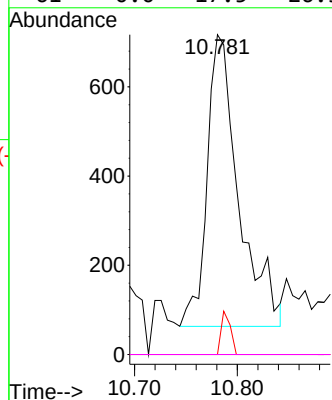
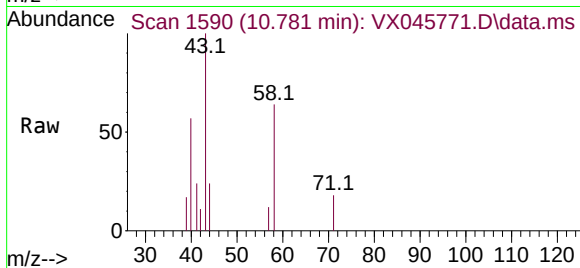
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 4.3 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 29.154 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045771.D

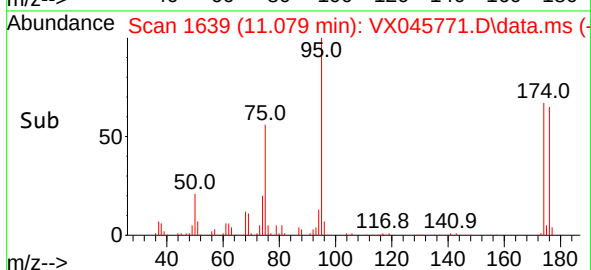
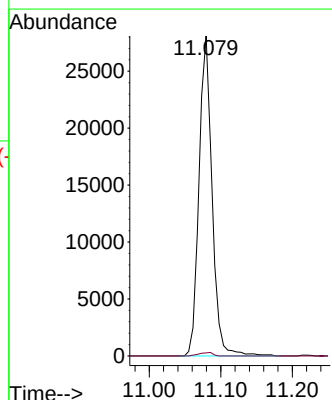
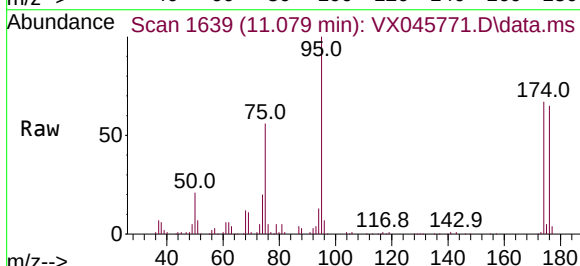
Acq: 14 Apr 2025 16:21

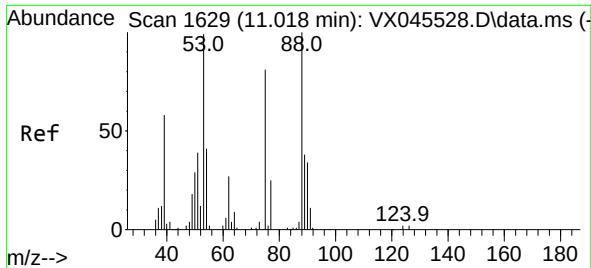
Tgt Ion: 75 Resp: 35643

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.946 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045771.D
 Acq: 14 Apr 2025 16:21

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22

Tgt Ion: 75 Resp: 35643
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

