

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045762.D
 Acq On : 14 Apr 2025 12:41
 Operator : JC/MD
 Sample : Q1790-06
 Misc : 7.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-870-G1-SO-22.0-22.5-041025

Quant Time: Apr 15 01:27:49 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)

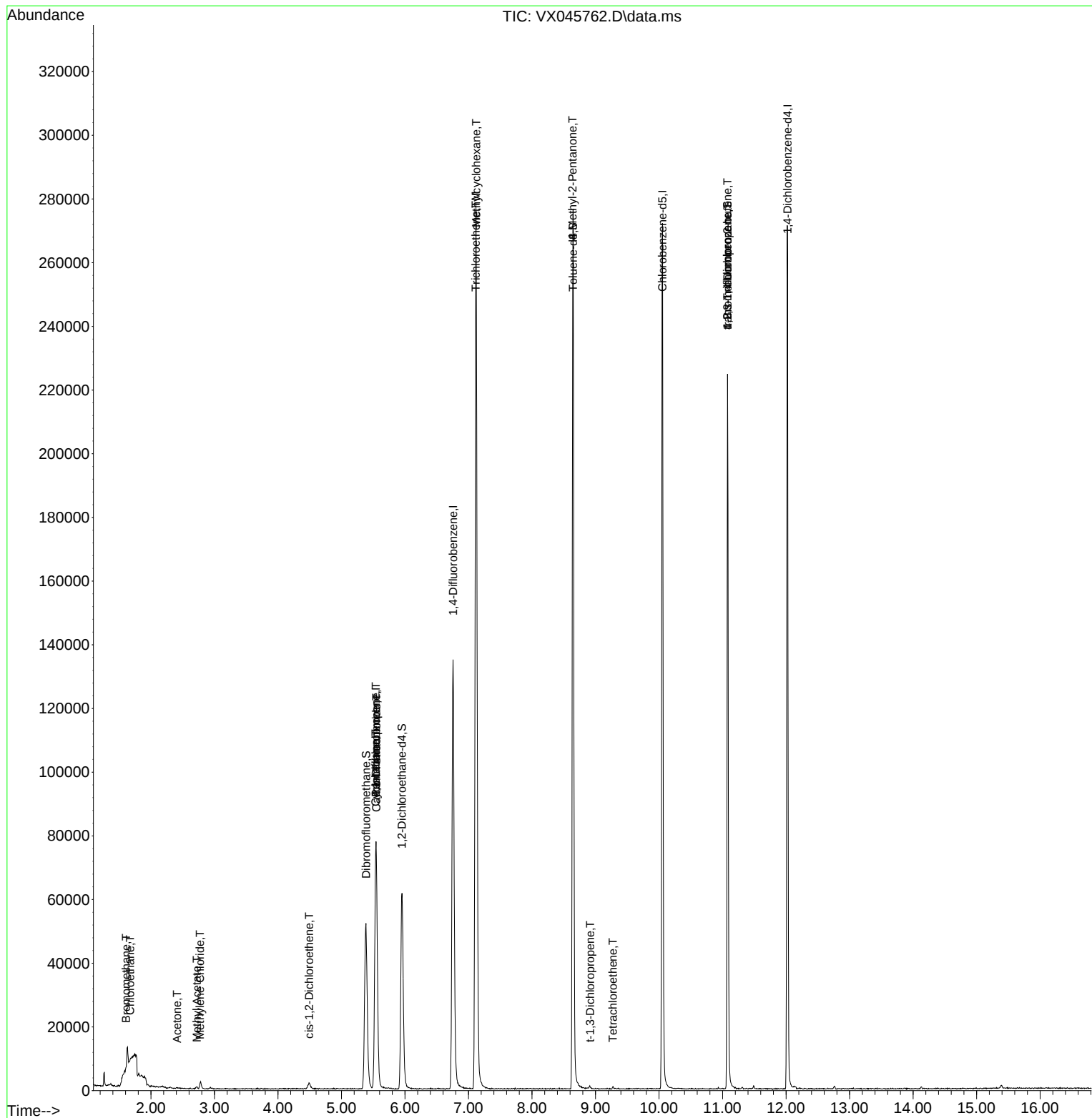
Internal Standards						
1) Pentafluorobenzene	5.544	168	67235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64044	52.087	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.180%		
35) Dibromofluoromethane	5.385	113	45513	49.110	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.220%		
50) Toluene-d8	8.647	98	161458	49.913	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.820%		
62) 4-Bromofluorobenzene	11.079	95	60798	51.600	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	92	0.205	ug/l #	3
6) Chloroethane	1.672	64	101	0.201	ug/l #	42
16) Acetone	2.410	43	268	0.531	ug/l #	47
18) Methyl Acetate	2.721	43	779	0.670	ug/l #	88
20) Methylene Chloride	2.770	84	894	0.946	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1156	1.151	ug/l	97
31) Cyclohexane	5.537	56	1958	1.298	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	6481	5.179	ug/l #	52
38) Carbon Tetrachloride	5.550	117	8018	5.929	ug/l #	16
39) Methylcyclohexane	7.123	83	1317	0.859	ug/l #	1
44) Trichloroethene	7.116	130	97918	107.798	ug/l	97
51) 4-Methyl-2-Pentanone	8.641	43	842	0.531	ug/l #	1
53) t-1,3-Dichloropropene	8.915	75	289	2.485	ug/l #	43
64) Tetrachloroethene	9.275	164	188	0.224	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	34387	27.176	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34387	92.233	ug/l #	1

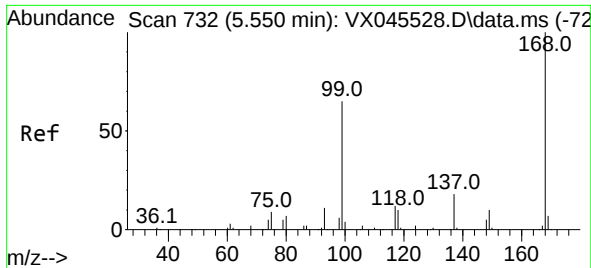
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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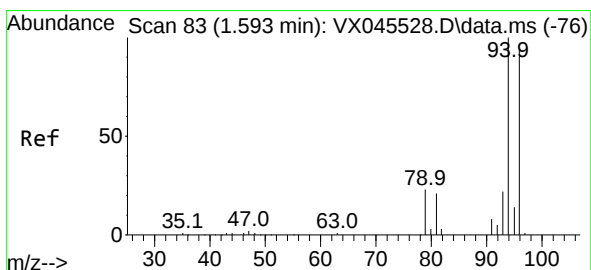
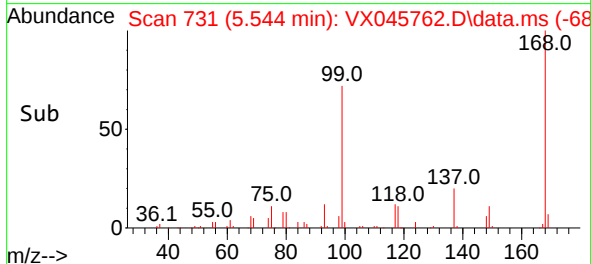
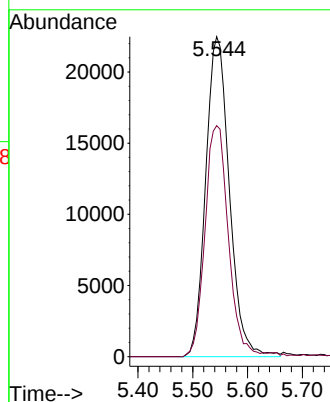
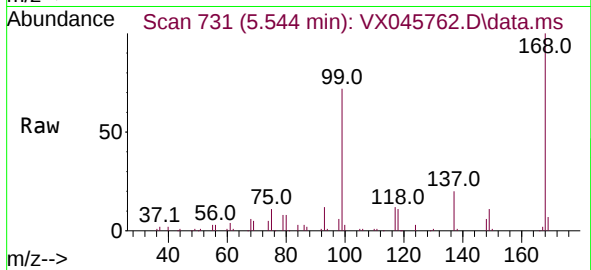




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

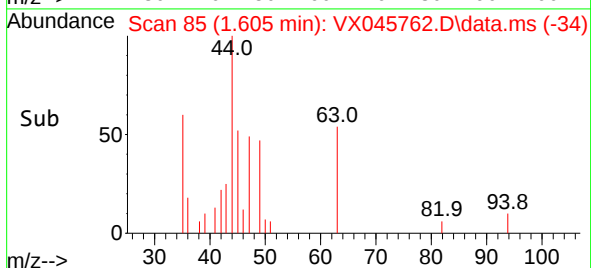
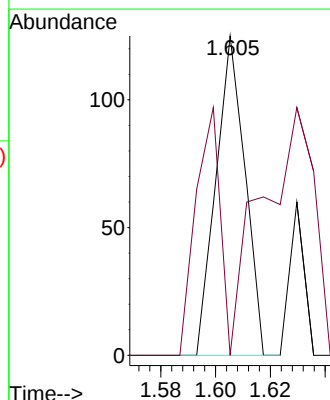
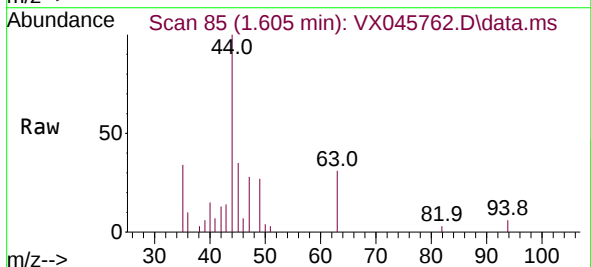
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

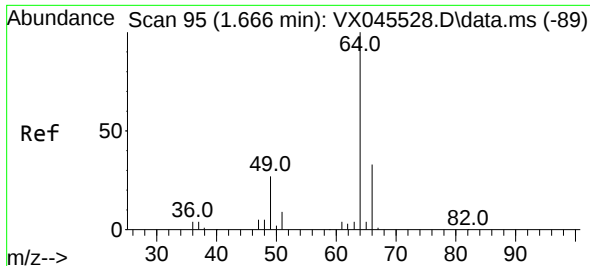
Tgt Ion:168 Resp: 67235
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 94 Resp: 92
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

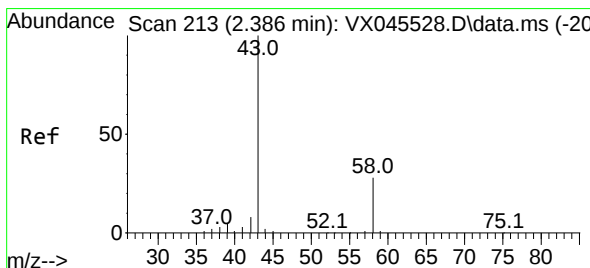
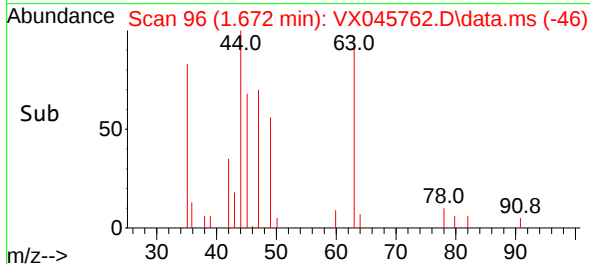
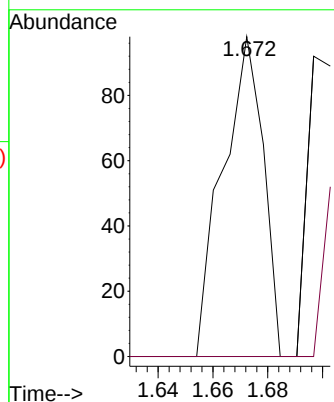
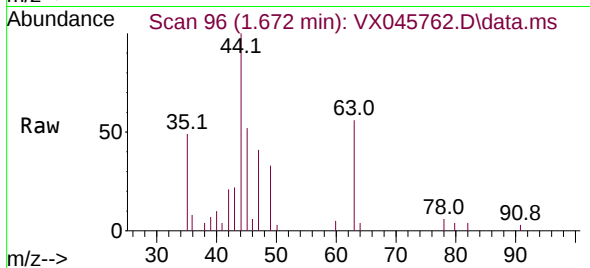




#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

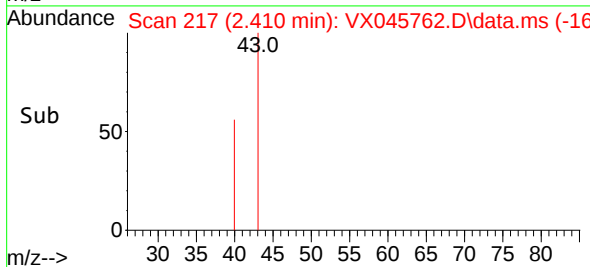
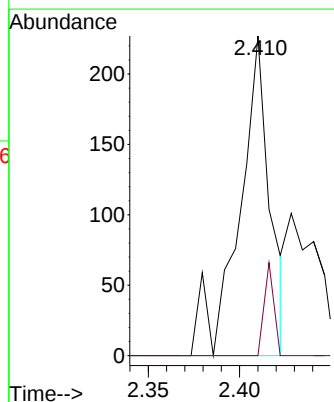
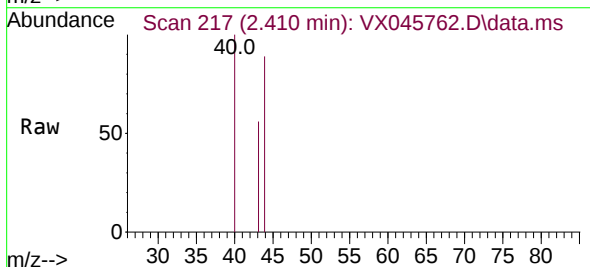
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

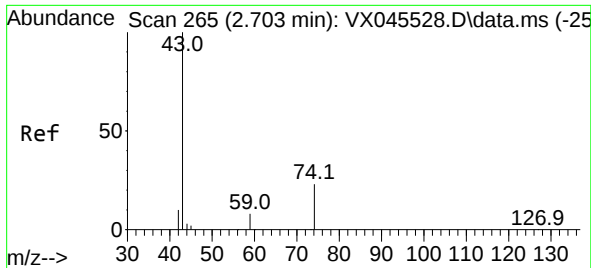
Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#16
Acetone
Concen: 0.531 ug/l
RT: 2.410 min Scan# 217
Delta R.T. 0.024 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

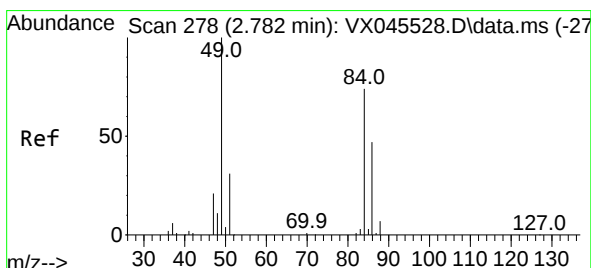
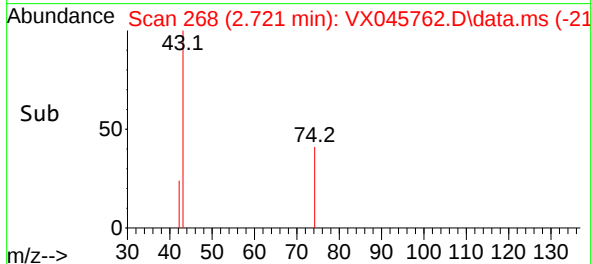
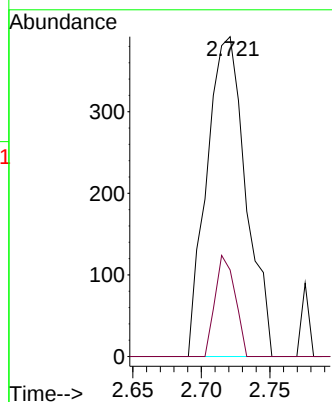
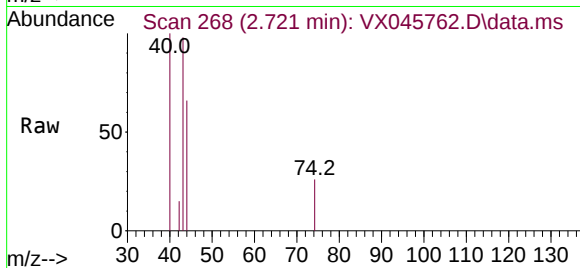




#18
Methyl Acetate
Concen: 0.670 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.018 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

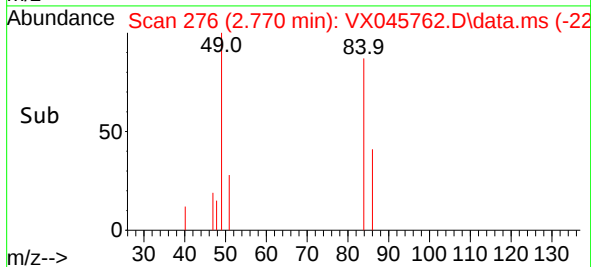
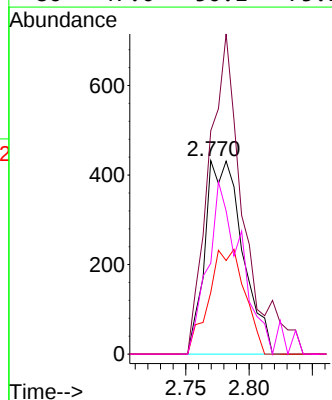
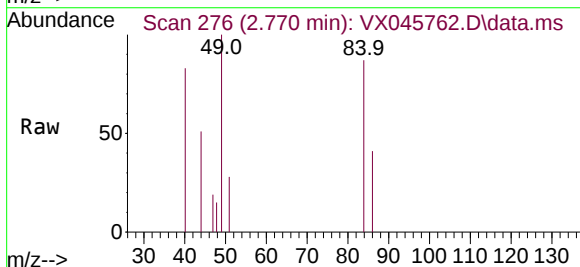
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

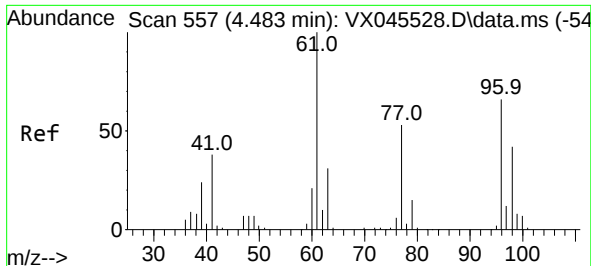
Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
74 16.2 17.5 26.3#



#20
Methylene Chloride
Concen: 0.946 ug/l
RT: 2.770 min Scan# 276
Delta R.T. -0.012 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 84 Resp: 894
Ion Ratio Lower Upper
84 100
49 115.5 107.5 161.3
51 31.9 33.0 49.6#
86 47.0 50.1 75.1#





#27

cis-1,2-Dichloroethene

Concen: 1.151 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045762.D

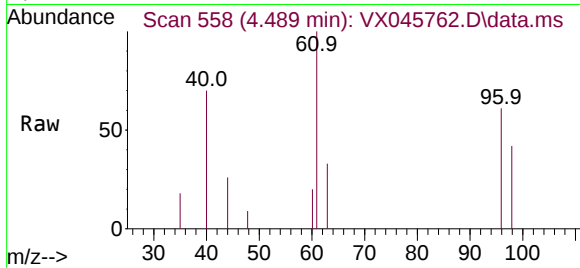
Acq: 14 Apr 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

S-870-G1-SO-22.0-22.5-041025



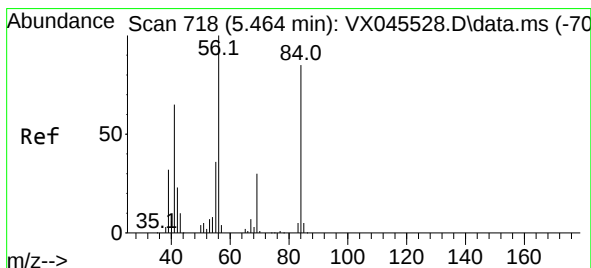
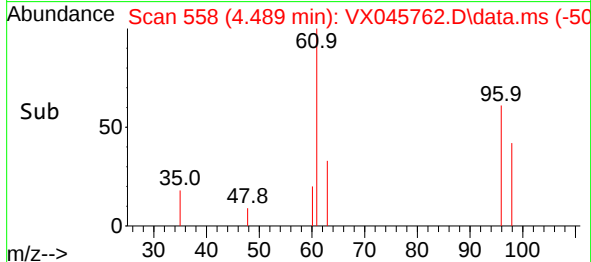
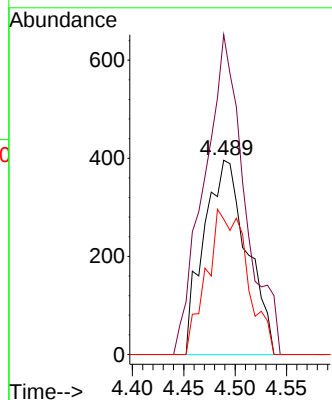
Tgt Ion: 96 Resp: 1156

Ion Ratio Lower Upper

96 100

61 155.1 0.0 313.2

98 70.1 0.0 126.4



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

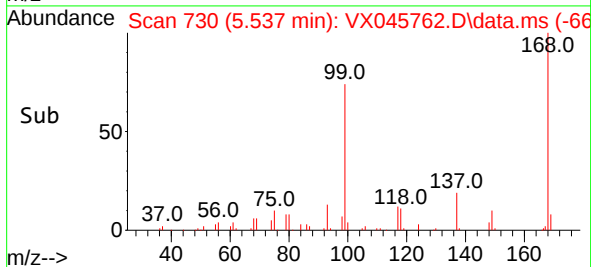
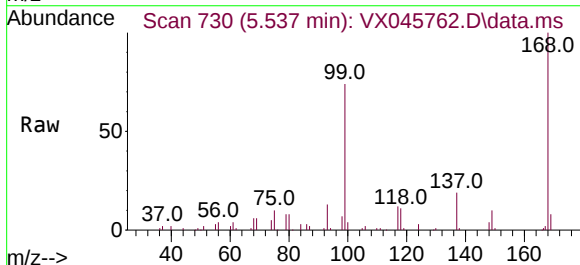
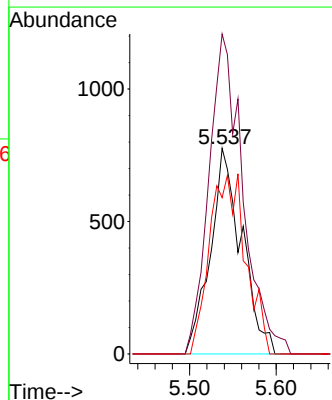
Tgt Ion: 56 Resp: 1958

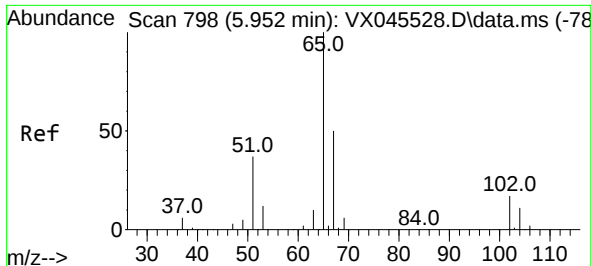
Ion Ratio Lower Upper

56 100

69 155.7 23.6 35.4#

84 76.0 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 52.087 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

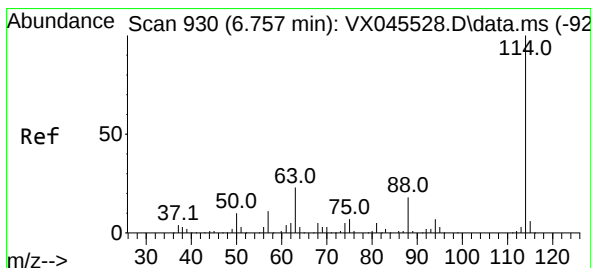
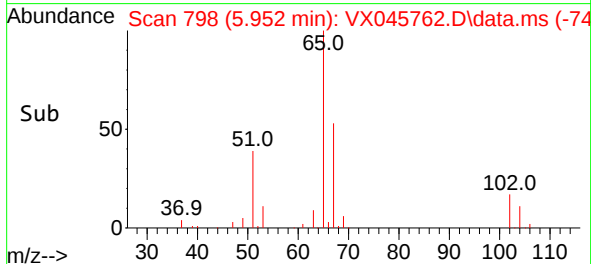
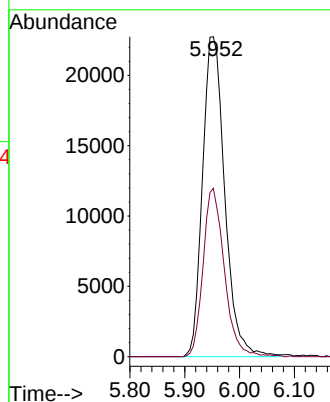
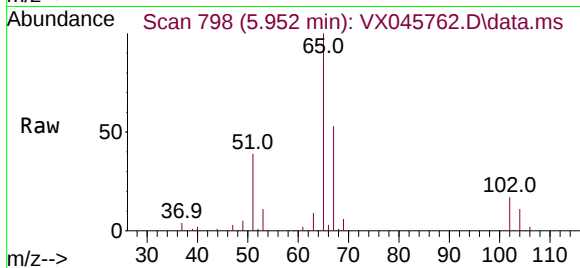
S-870-G1-SO-22.0-22.5-041025

Tgt Ion: 65 Resp: 64044

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

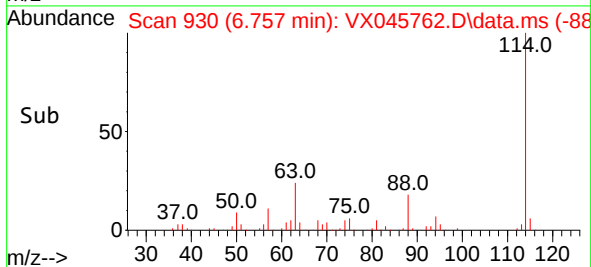
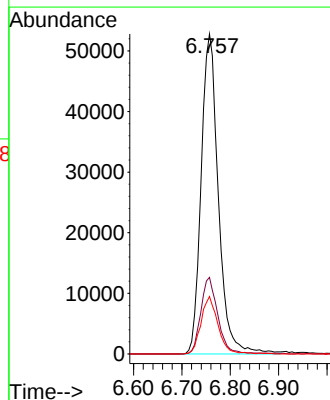
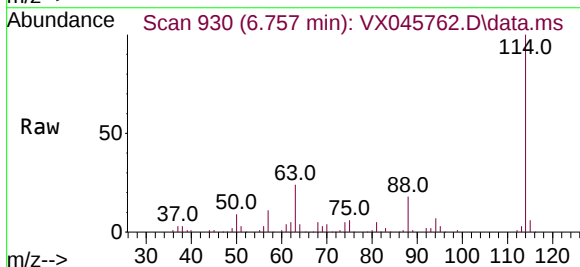
Tgt Ion: 114 Resp: 130622

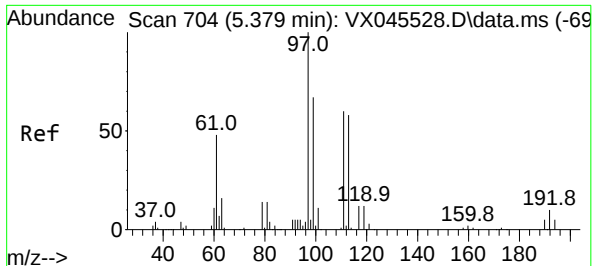
Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.8

88 18.0 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.110 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045762.D

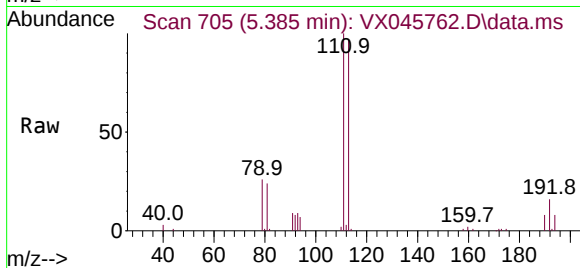
Acq: 14 Apr 2025 12:41

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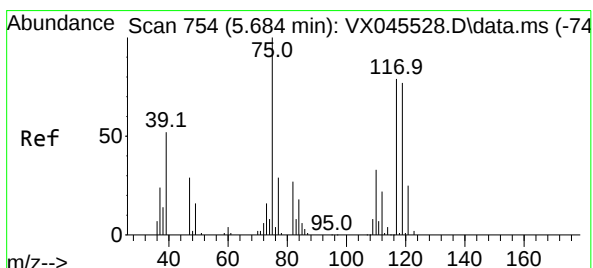
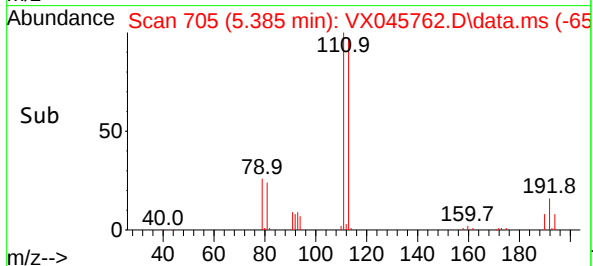
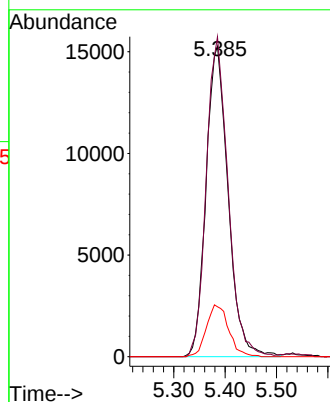
Tgt Ion:113 Resp: 45513

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 16.8 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

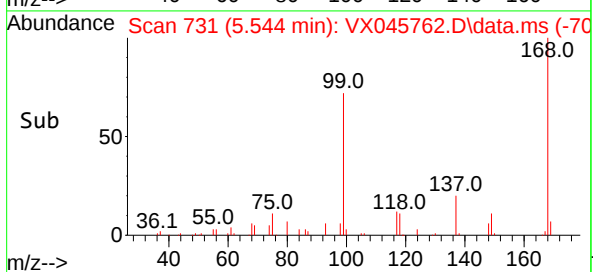
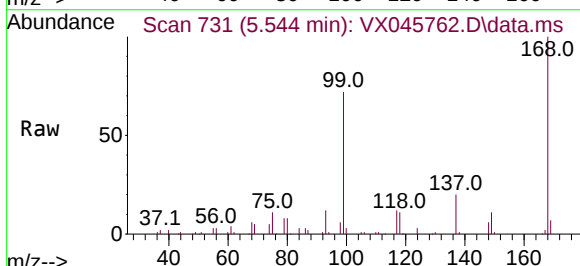
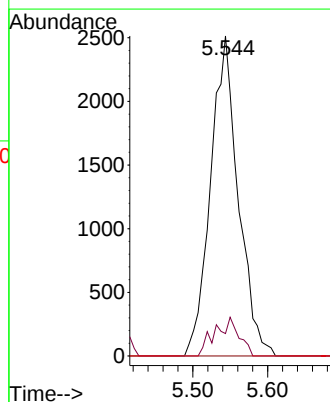
Tgt Ion: 75 Resp: 6481

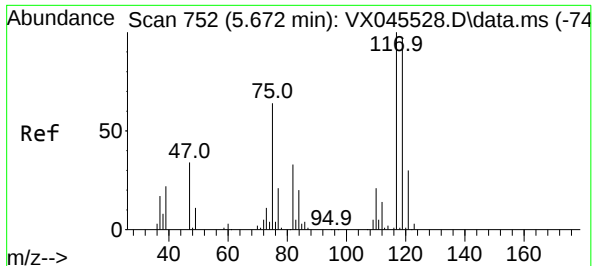
Ion Ratio Lower Upper

75 100

110 10.5 16.9 50.6#

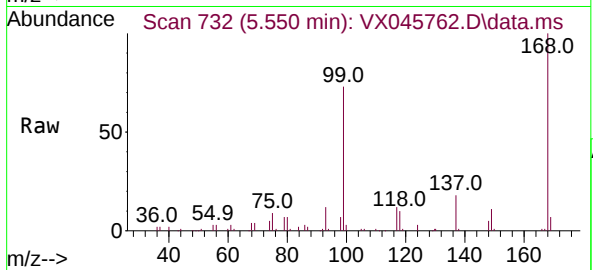
77 0.0 25.0 37.4#



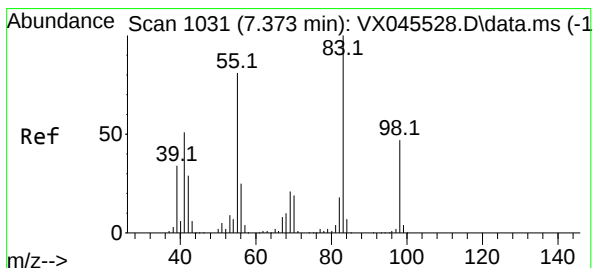
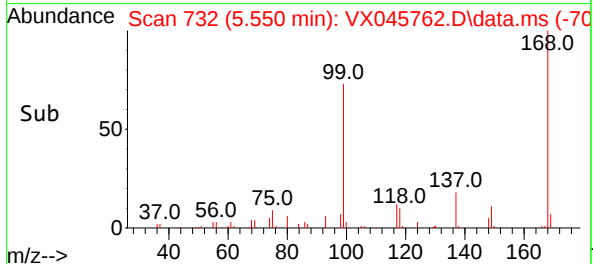
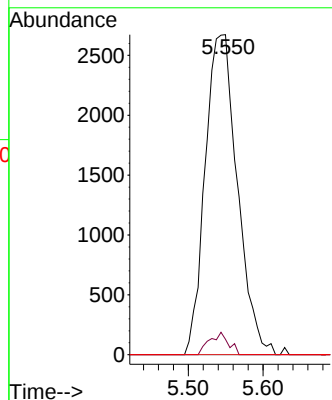


#38
Carbon Tetrachloride
Concen: 5.929 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

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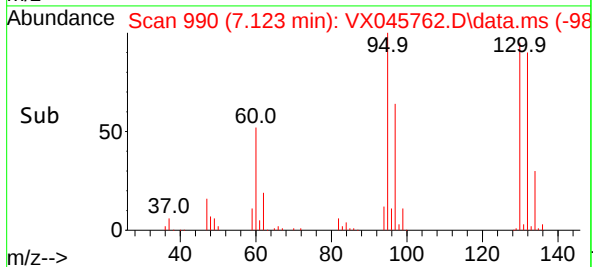
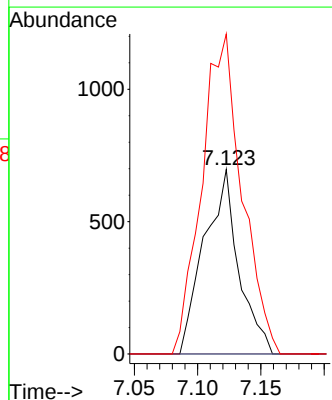
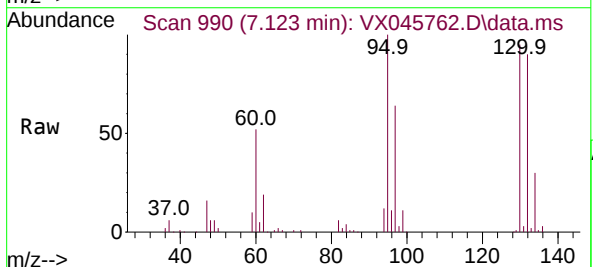


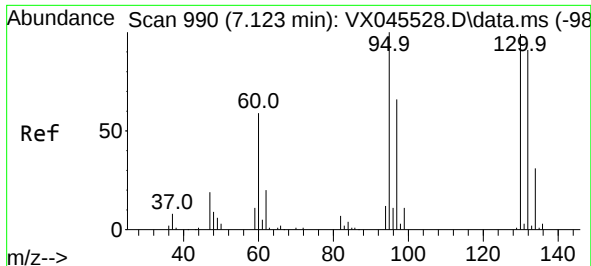
Tgt Ion:117 Resp: 8018
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.859 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 83 Resp: 1317
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 173.5 37.4 56.0#

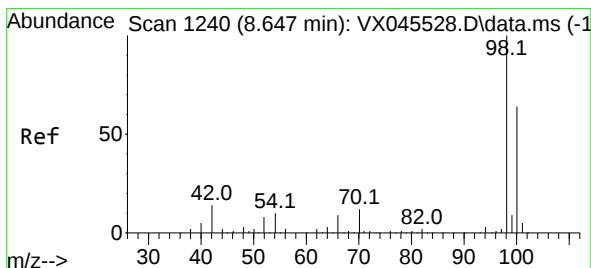
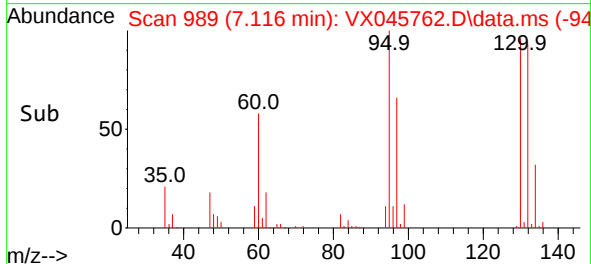
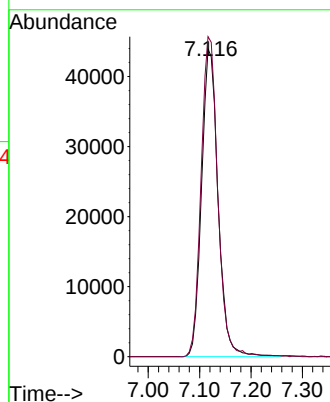
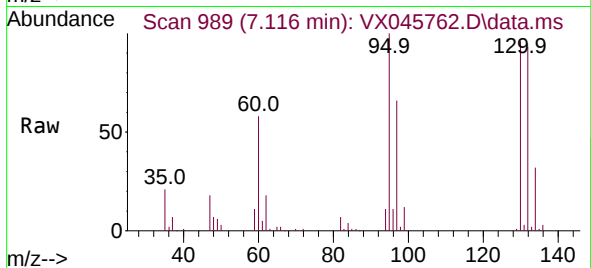




#44
Trichloroethene
Concen: 107.798 ug/l
RT: 7.116 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

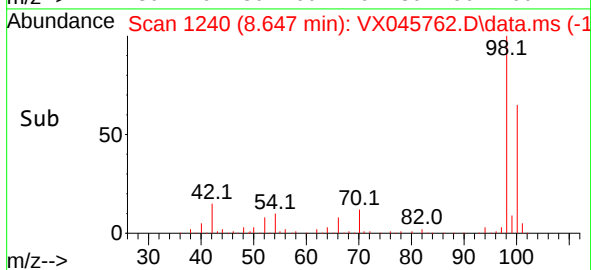
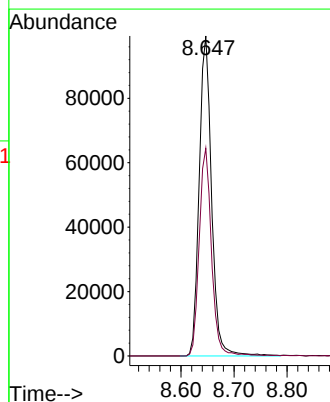
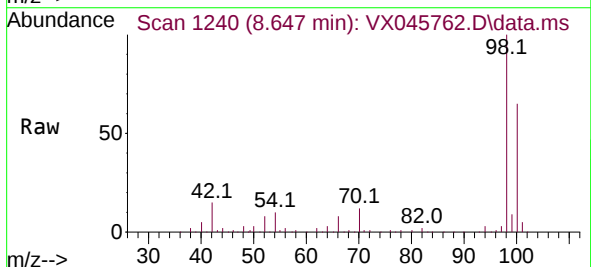
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

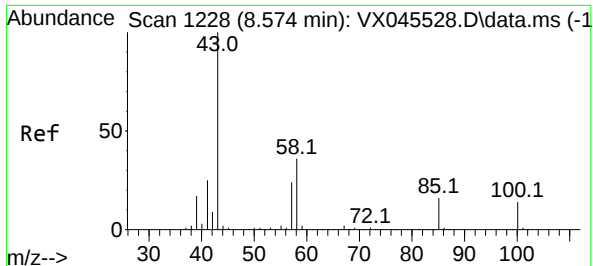
Tgt Ion:130 Resp: 97918
Ion Ratio Lower Upper
130 100
95 104.0 0.0 202.0



#50
Toluene-d8
Concen: 49.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 98 Resp: 161458
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

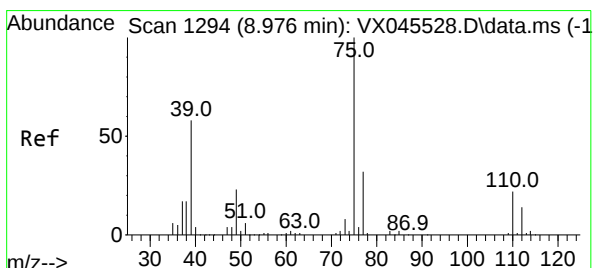
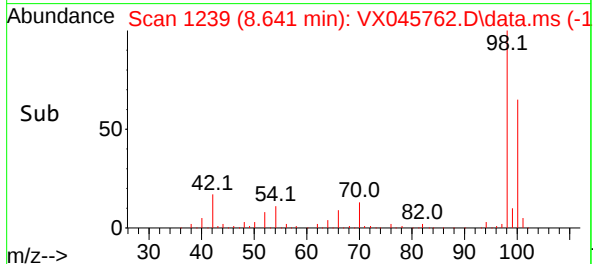
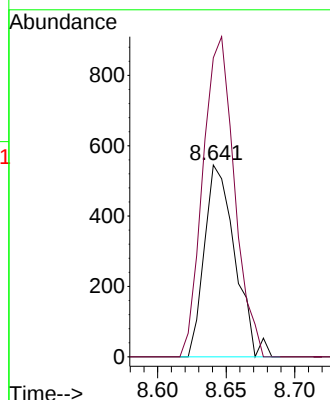
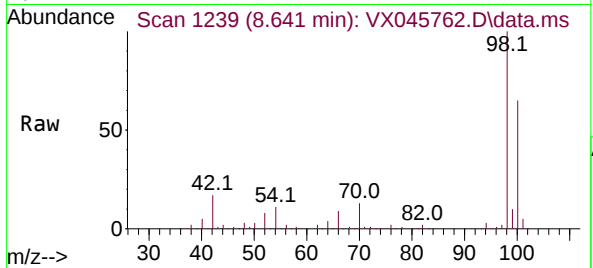




#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

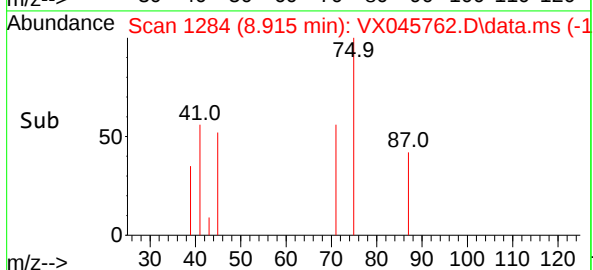
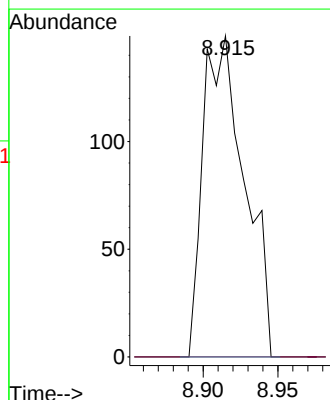
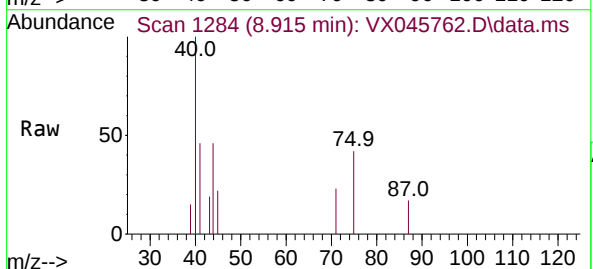
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

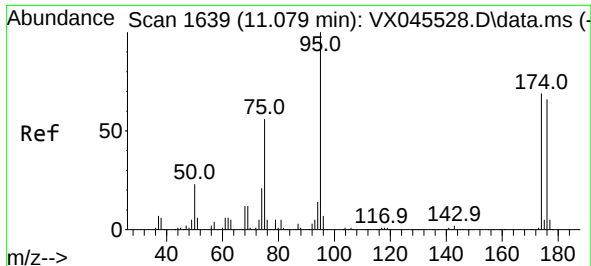
Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 172.9 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.485 ug/l
RT: 8.915 min Scan# 1284
Delta R.T. -0.061 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 75 Resp: 289
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 51.600 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

S-870-G1-SO-22.0-22.5-041025

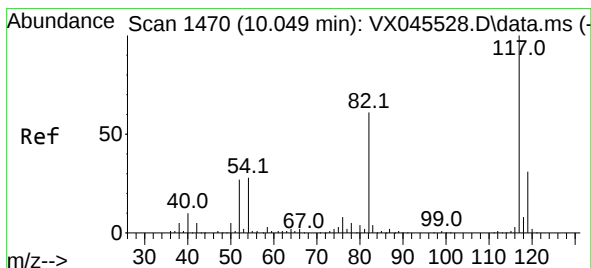
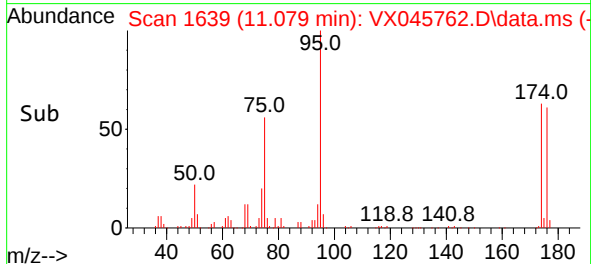
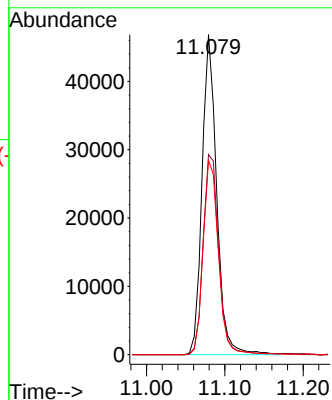
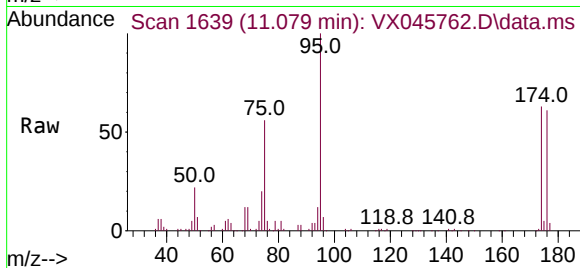
Tgt Ion: 95 Resp: 60798

Ion Ratio Lower Upper

95 100

174 66.5 0.0 135.8

176 63.8 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045762.D

Acq: 14 Apr 2025 12:41

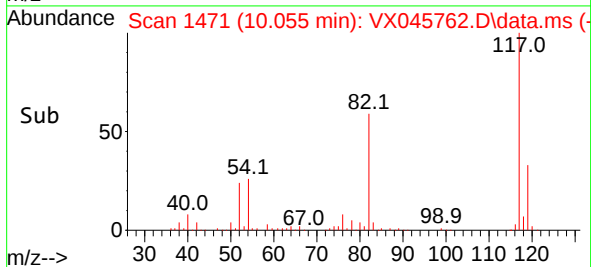
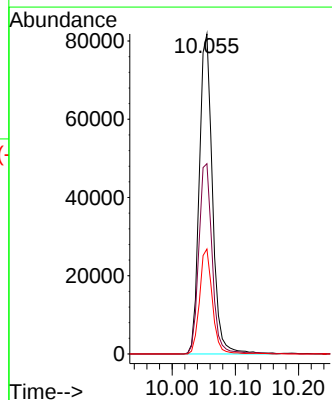
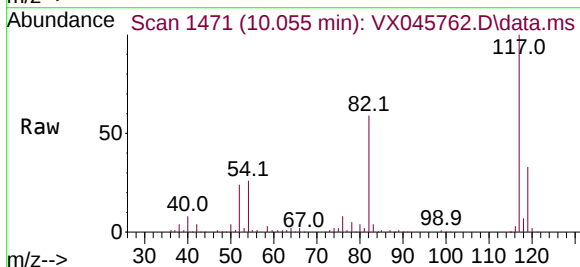
Tgt Ion: 117 Resp: 118702

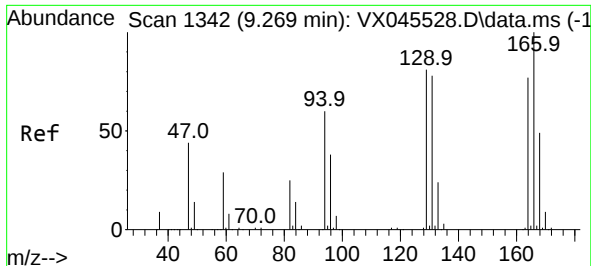
Ion Ratio Lower Upper

117 100

82 59.4 49.2 73.8

119 32.8 25.1 37.7

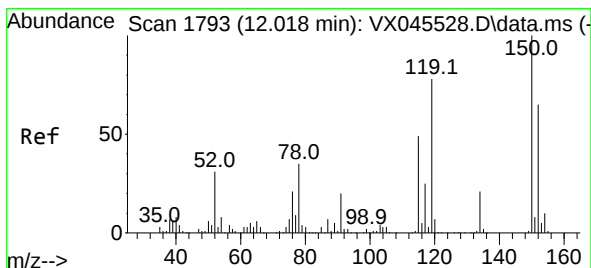
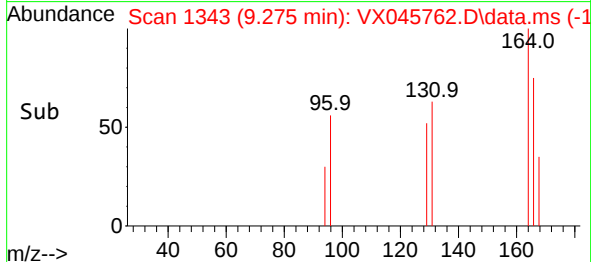
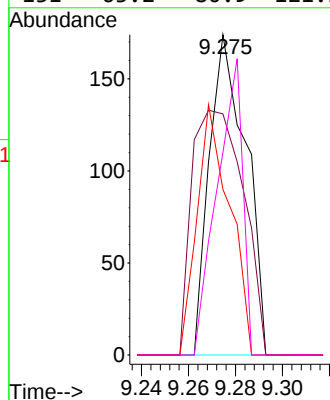
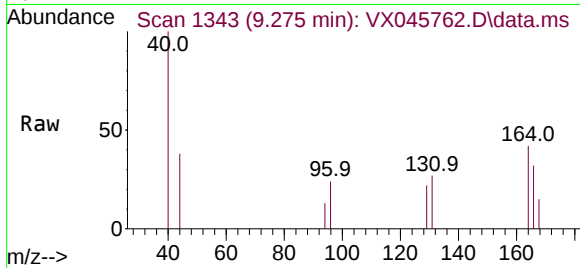




#64
Tetrachloroethene
Concen: 0.224 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

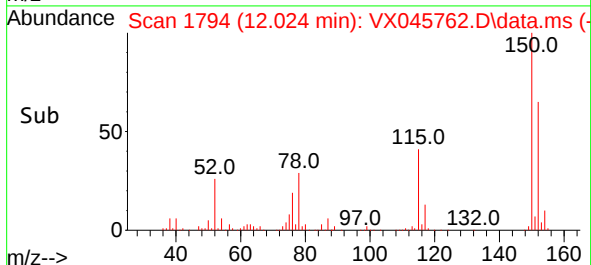
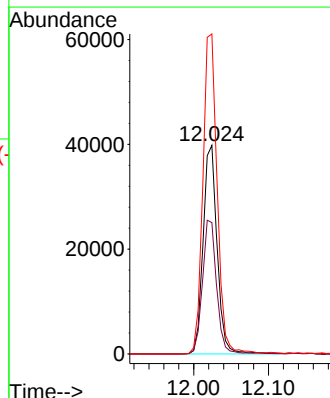
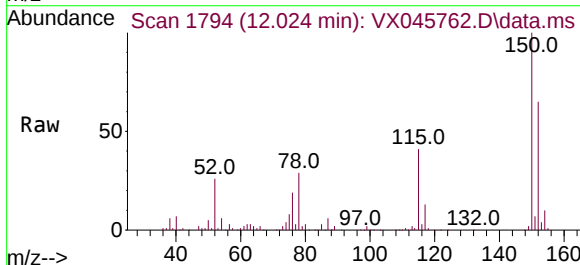
Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

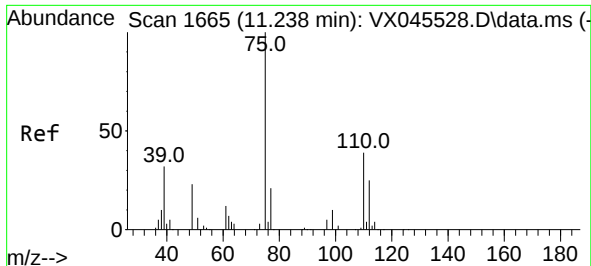
Tgt Ion:164	Resp:	188
Ion	Ratio	Lower Upper
164	100	
166	75.3	103.8 155.8#
129	51.7	84.3 126.5#
131	63.2	80.9 121.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion:152	Resp:	51874
Ion	Ratio	Lower Upper
152	100	
115	64.8	46.9 140.7
150	156.3	0.0 349.4

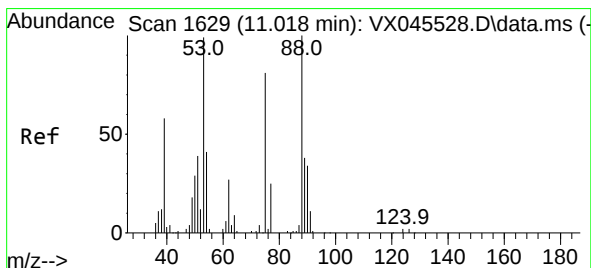
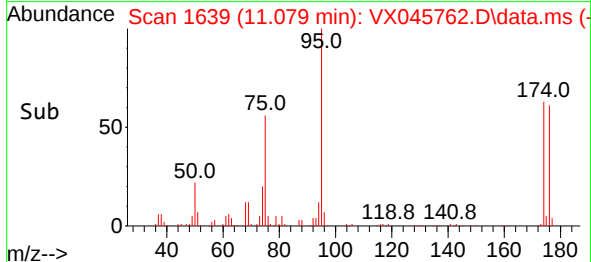
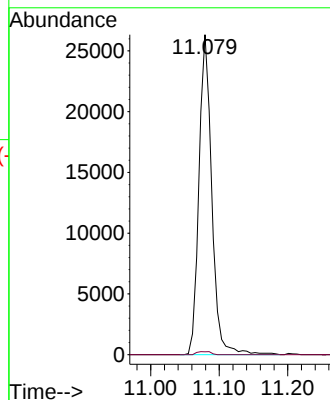
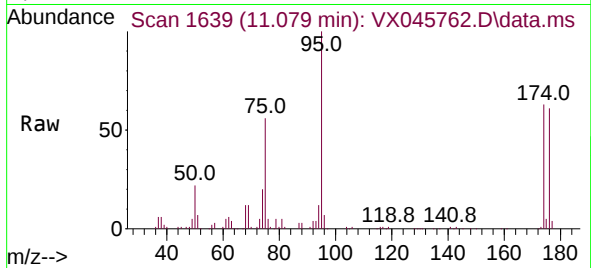




#76
1,2,3-Trichloropropane
Concen: 27.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument : MSVOA_X
ClientSampleId : S-870-G1-SO-22.0-22.5-041025

Tgt Ion: 75 Resp: 34387
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.233 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 75 Resp: 34387
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

