

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045761.D
 Acq On : 14 Apr 2025 12:18
 Operator : JC/MD
 Sample : Q1790-04
 Misc : 6.84g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-871-G1-SO-23.0-23.5-041025

Quant Time: Apr 15 01:27:37 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)

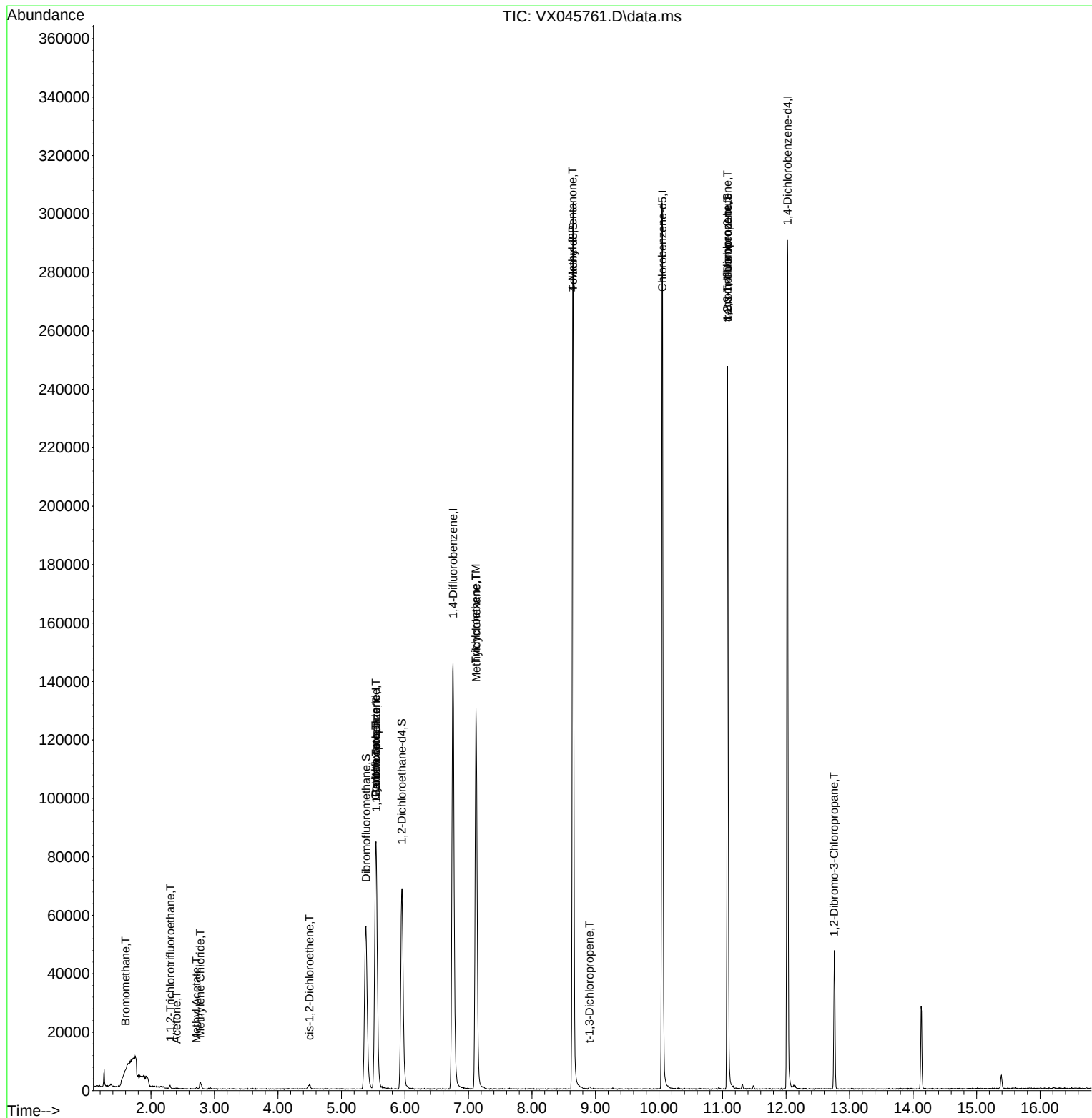
Internal Standards						
1) Pentafluorobenzene	5.544	168	72197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142076	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70783	53.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	5.385	113	49519	49.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.240%	
50) Toluene-d8	8.647	98	175612	49.912	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	11.079	95	65357	50.997	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	155	0.322	ug/l #	52
9) 1,1,2-Trichlorotrifluo...	2.307	101	221	0.249	ug/l #	55
16) Acetone	2.404	43	220	0.406	ug/l #	47
18) Methyl Acetate	2.715	43	669	0.536	ug/l #	78
20) Methylene Chloride	2.776	84	1191	1.173	ug/l #	87
27) cis-1,2-Dichloroethene	4.495	96	958	0.888	ug/l	80
31) Cyclohexane	5.538	56	2155	1.331	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	7135	5.242	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8337	5.668	ug/l #	16
39) Methylcyclohexane	7.123	83	593	0.355	ug/l #	1
44) Trichloroethene	7.117	130	48631	49.222	ug/l	95
51) 4-Methyl-2-Pentanone	8.641	43	1047	0.608	ug/l #	1
53) t-1,3-Dichloropropene	8.903	75	306	2.480	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	37127	27.479	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37127	93.261	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	12.756	75	1362	4.178	ug/l #	12

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

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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: VX045761.D

Acq: 14 Apr 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

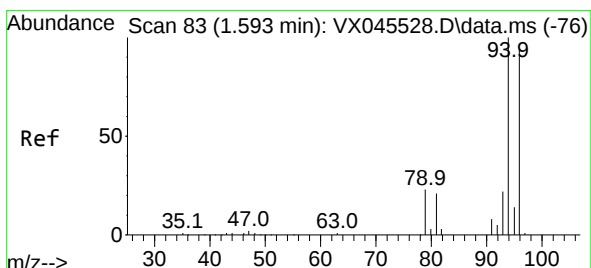
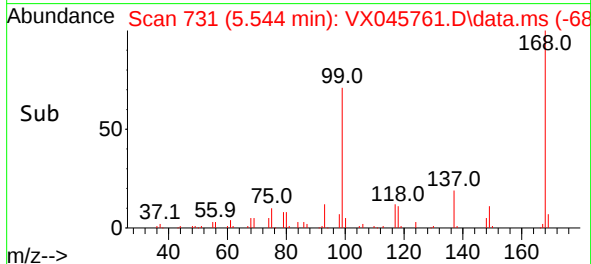
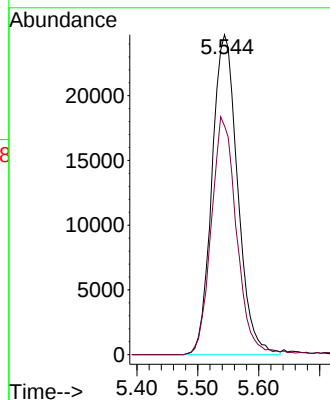
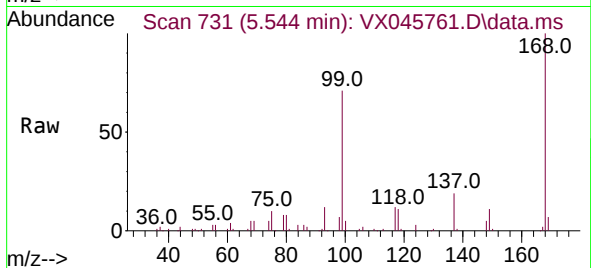
S-871-G1-SO-23.0-23.5-041025

Tgt Ion:168 Resp: 72197

Ion Ratio Lower Upper

168 100

99 71.5 52.3 78.5



#5

Bromomethane

Concen: 0.322 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX045761.D

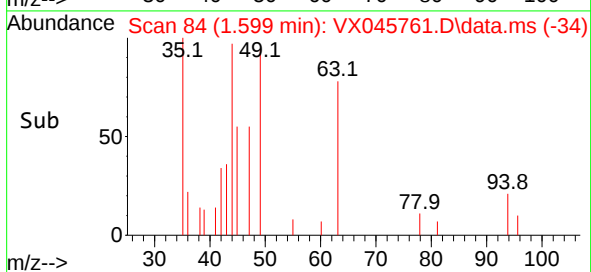
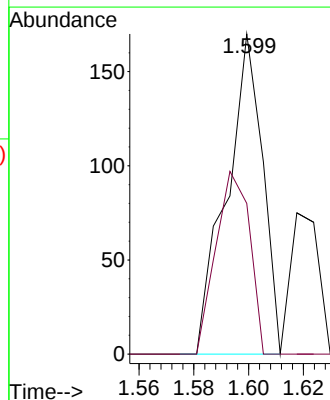
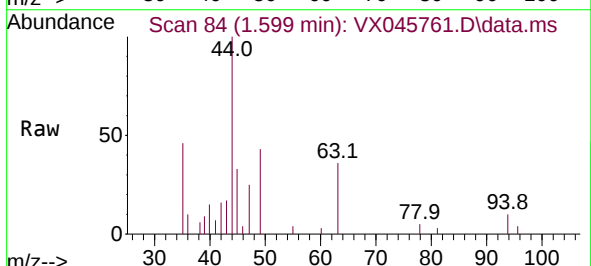
Acq: 14 Apr 2025 12:18

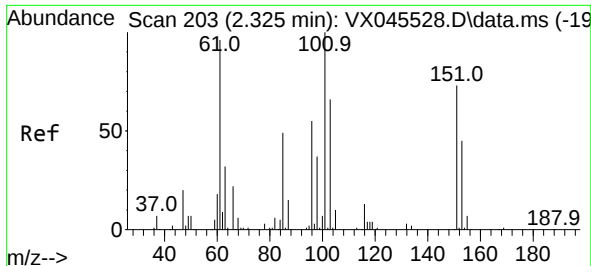
Tgt Ion: 94 Resp: 155

Ion Ratio Lower Upper

94 100

96 47.1 74.8 112.2#

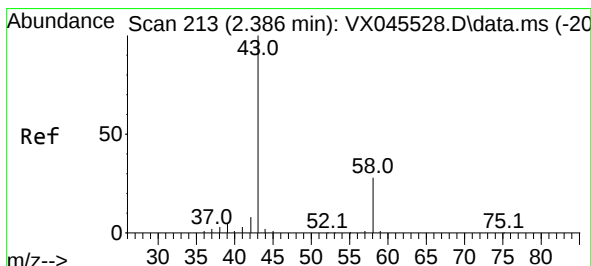
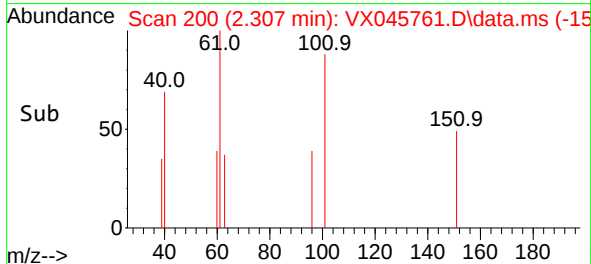
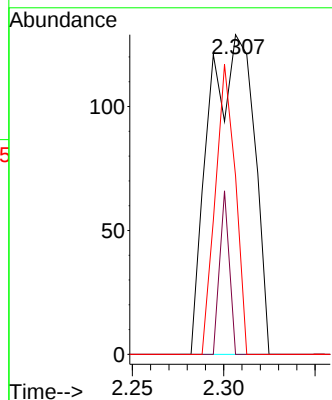
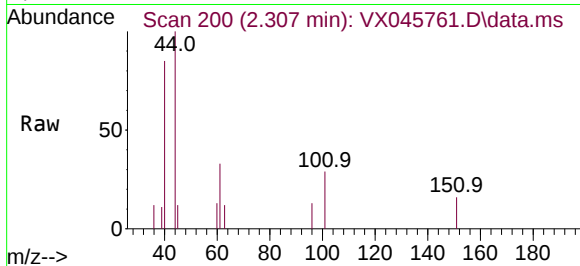




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.249 ug/l
RT: 2.307 min Scan# 20
Delta R.T. -0.018 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

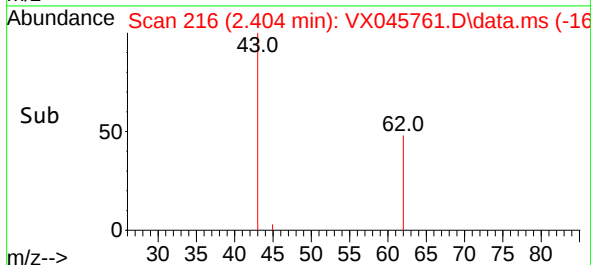
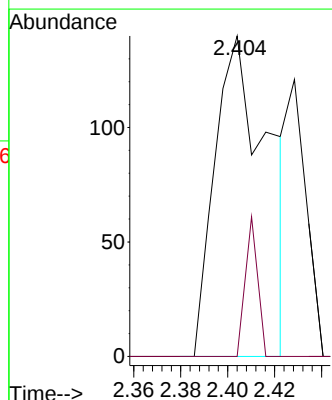
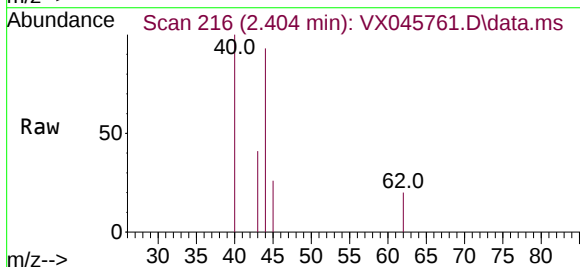
Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

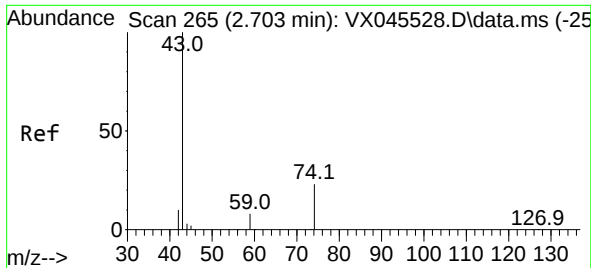
Tgt Ion:101 Resp: 221
Ion Ratio Lower Upper
101 100
85 10.9 38.9 58.3#
151 40.3 57.5 86.3#



#16
Acetone
Concen: 0.406 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

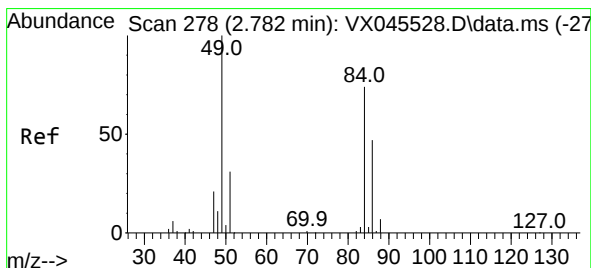
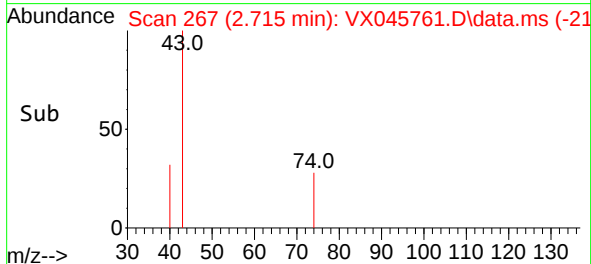
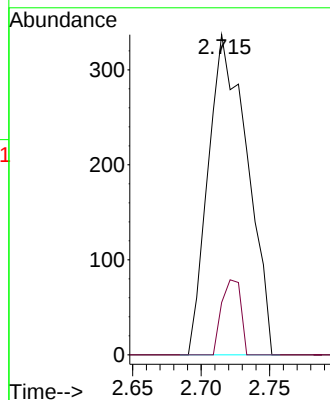
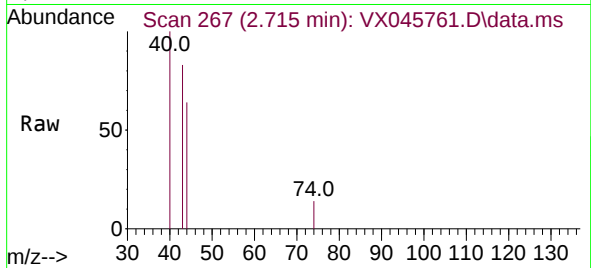




#18
Methyl Acetate
Concen: 0.536 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

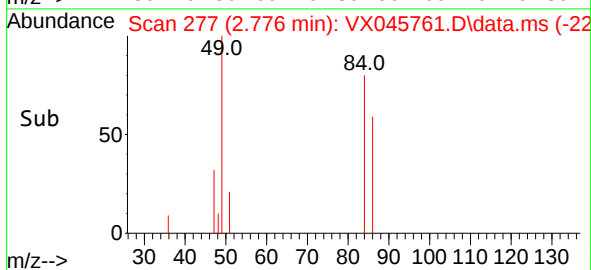
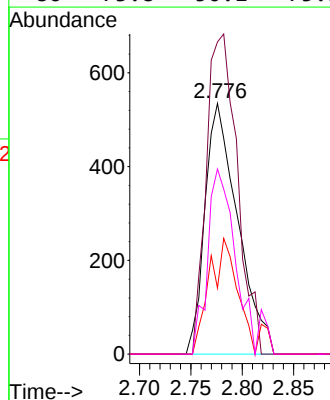
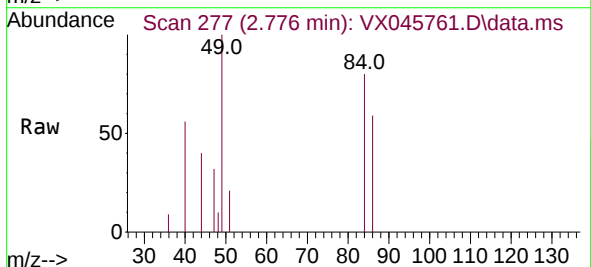
Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

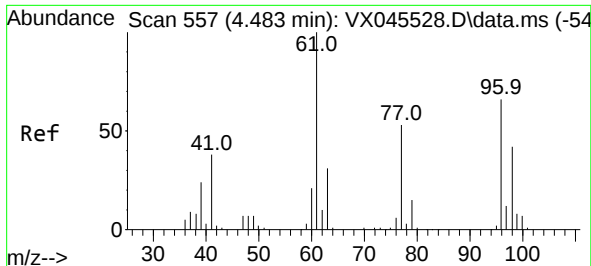
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
74 11.5 17.5 26.3#



#20
Methylene Chloride
Concen: 1.173 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 84 Resp: 1191
Ion Ratio Lower Upper
84 100
49 124.5 107.5 161.3
51 26.4 33.0 49.6#
86 73.8 50.1 75.1





#27

cis-1,2-Dichloroethene

Concen: 0.888 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045761.D

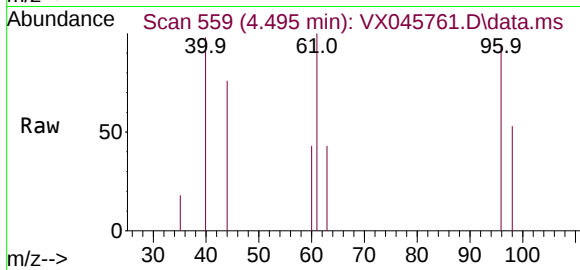
Acq: 14 Apr 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

S-871-G1-SO-23.0-23.5-041025



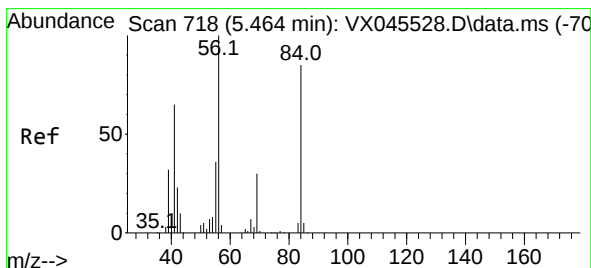
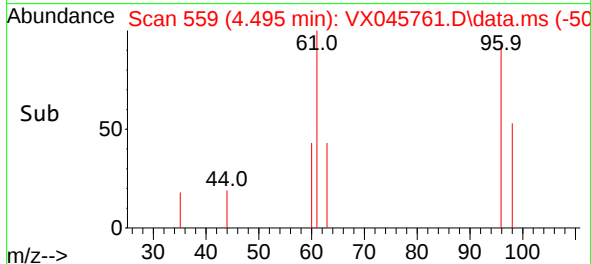
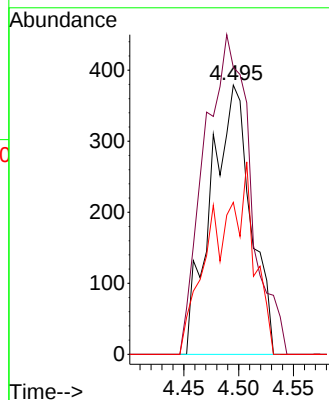
Tgt Ion: 96 Resp: 958

Ion Ratio Lower Upper

96 100

61 137.7 0.0 313.2

98 36.4 0.0 126.4



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045761.D

Acq: 14 Apr 2025 12:18

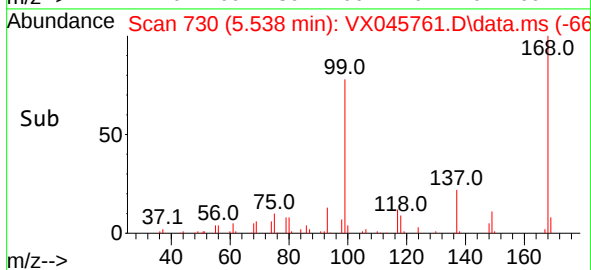
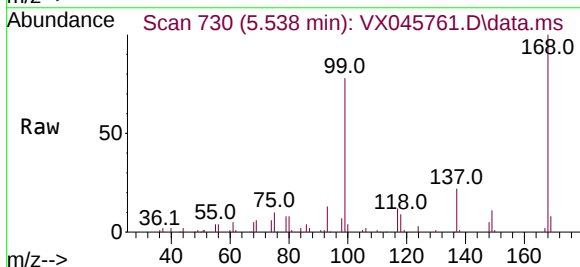
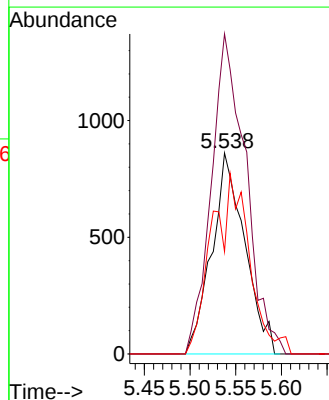
Tgt Ion: 56 Resp: 2155

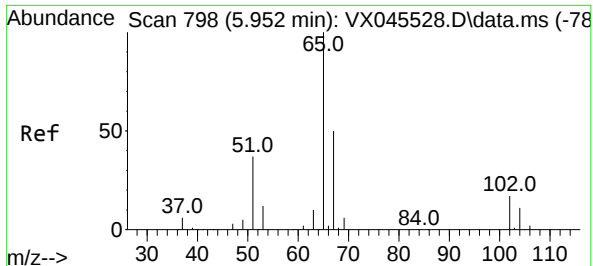
Ion Ratio Lower Upper

56 100

69 159.2 23.6 35.4#

84 51.0 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.612 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045761.D

Acq: 14 Apr 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

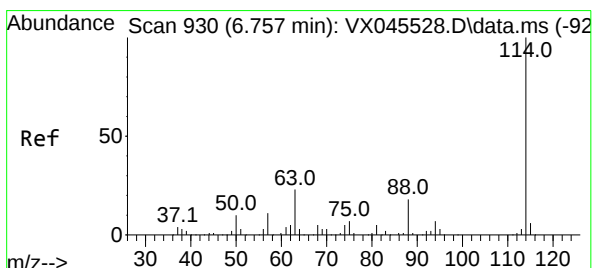
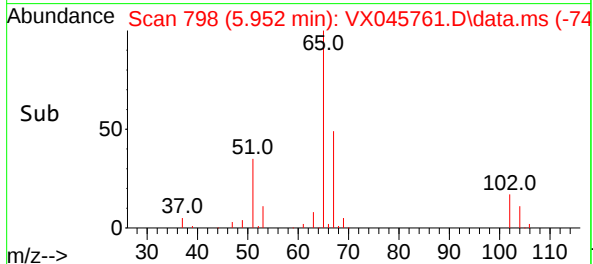
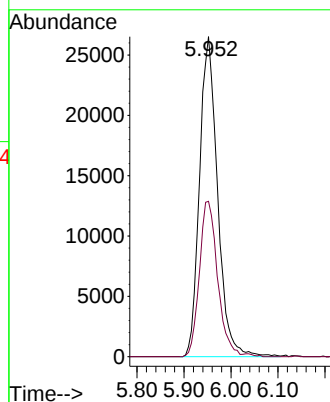
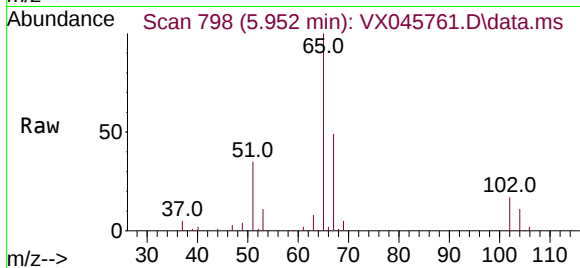
S-871-G1-SO-23.0-23.5-041025

Tgt Ion: 65 Resp: 70783

Ion Ratio Lower Upper

65 100

67 49.0 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: VX045761.D

Acq: 14 Apr 2025 12:18

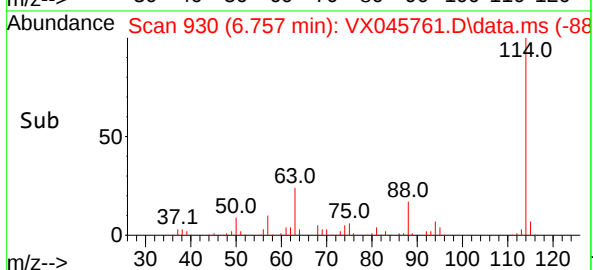
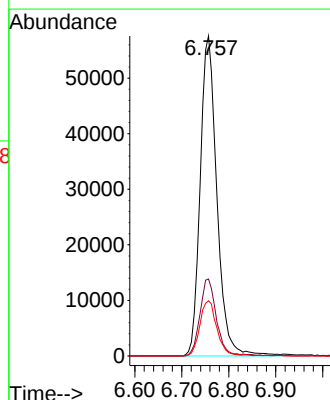
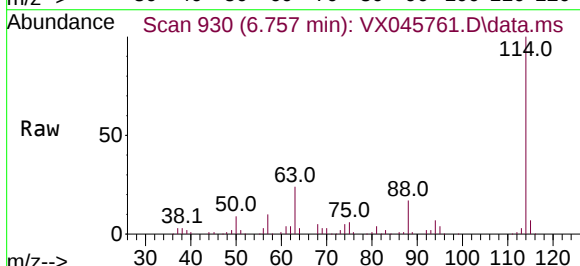
Tgt Ion: 114 Resp: 142076

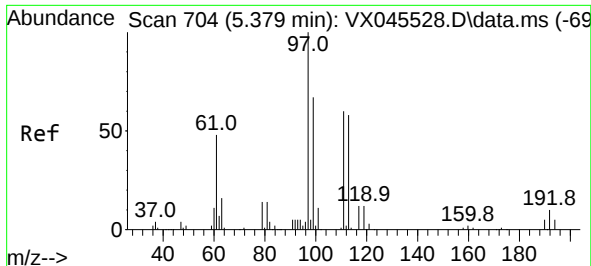
Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.8

88 17.2 0.0 35.4

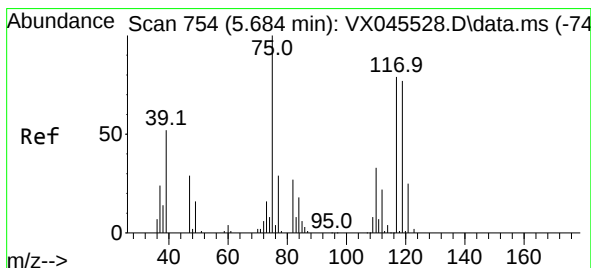
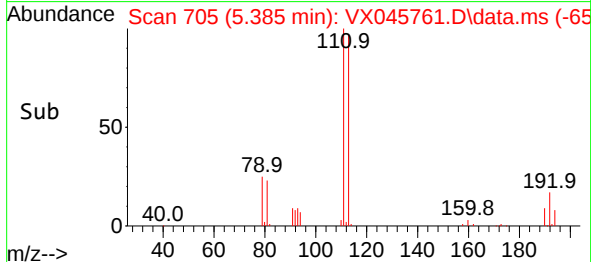
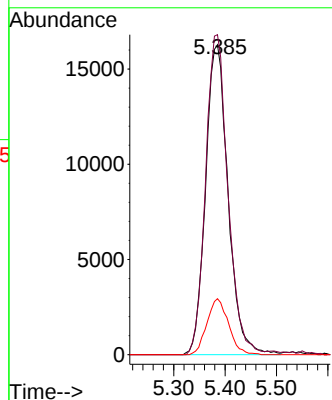
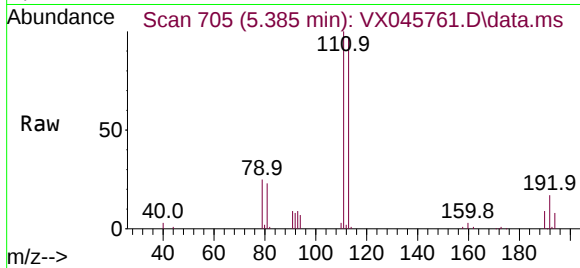




#35
Dibromofluoromethane
Concen: 49.125 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

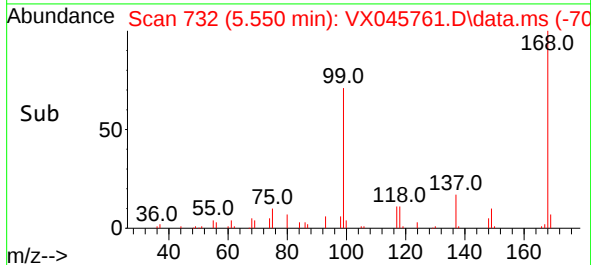
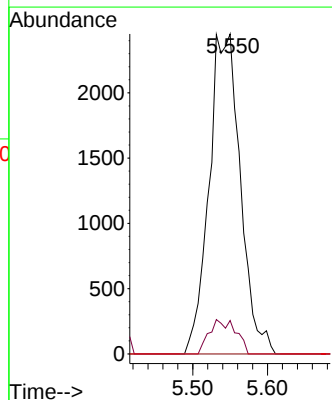
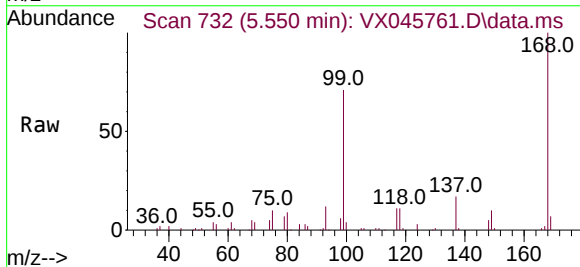
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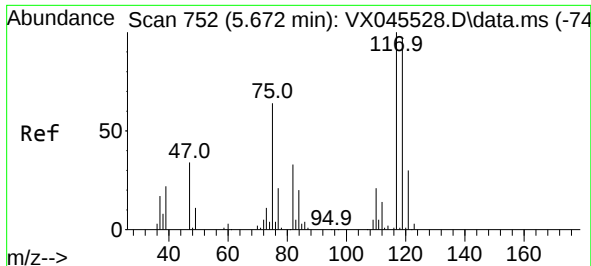
Tgt Ion:113 Resp: 49519
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 17.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.242 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

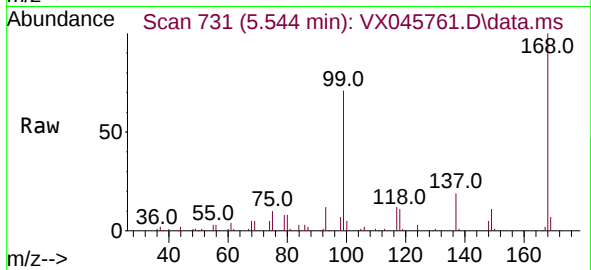
Tgt Ion: 75 Resp: 7135
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.6#
77 0.0 25.0 37.4#



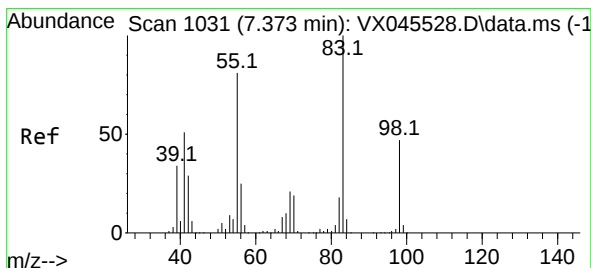
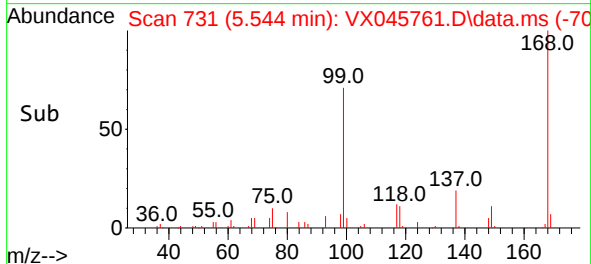
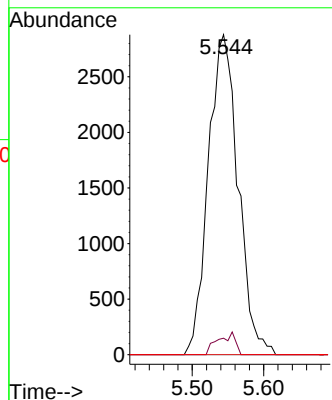


#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

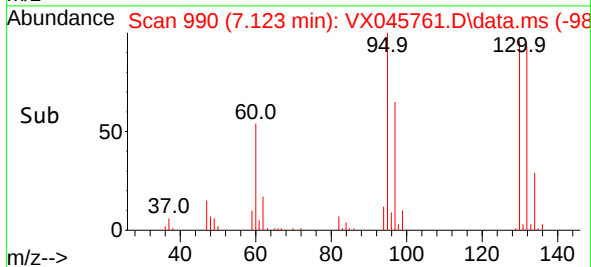
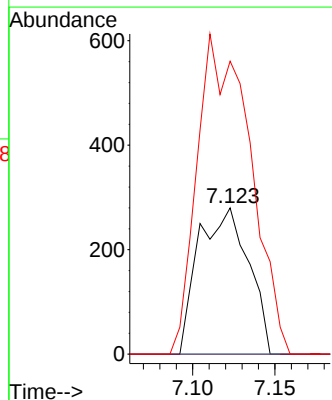
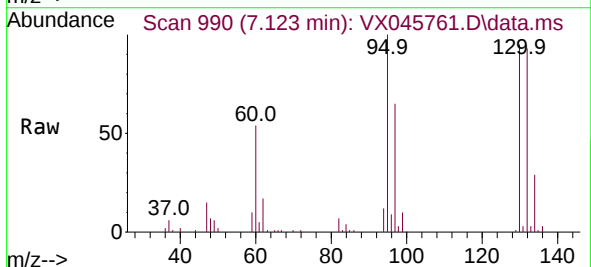


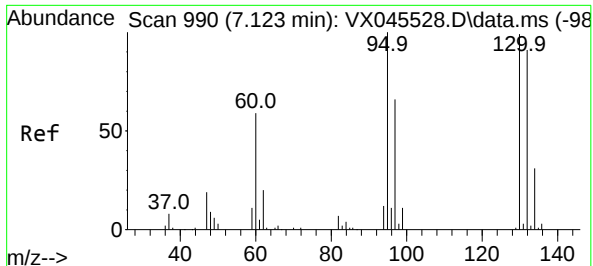
Tgt Ion:117 Resp: 8337
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.355 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 83 Resp: 593
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 181.8 37.4 56.0#

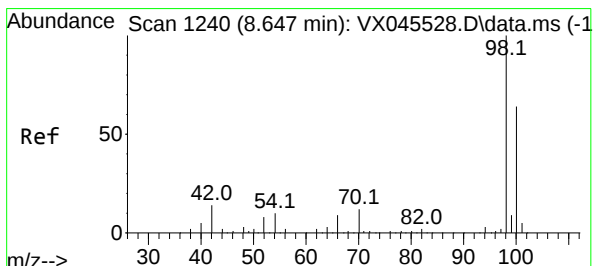
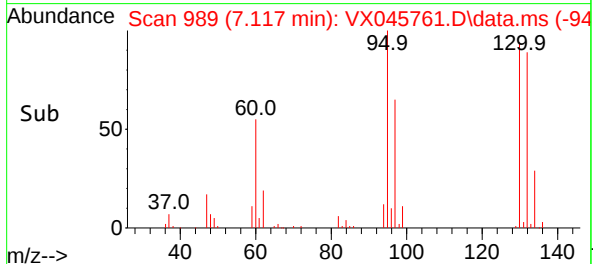
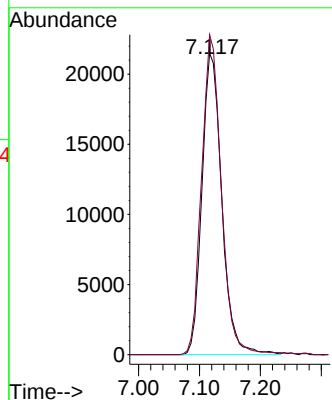
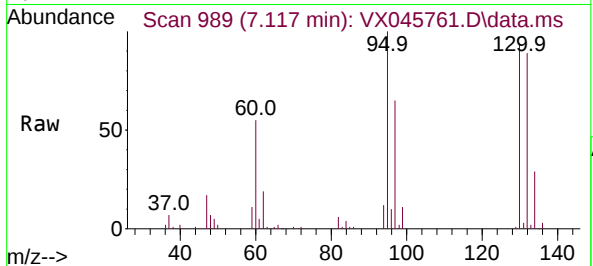




#44
Trichloroethene
Concen: 49.222 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

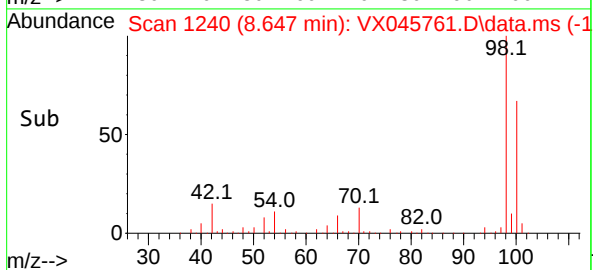
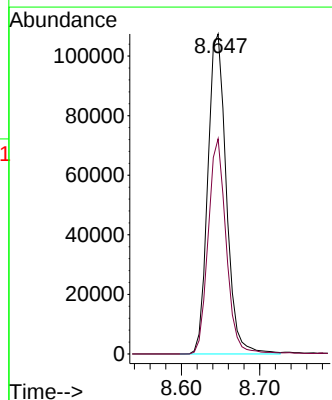
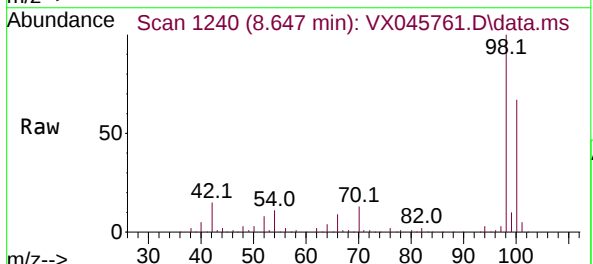
Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

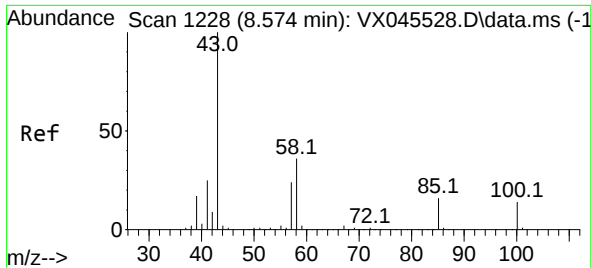
Tgt Ion:130 Resp: 48631
Ion Ratio Lower Upper
130 100
95 106.1 0.0 202.0



#50
Toluene-d8
Concen: 49.912 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 98 Resp: 175612
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4

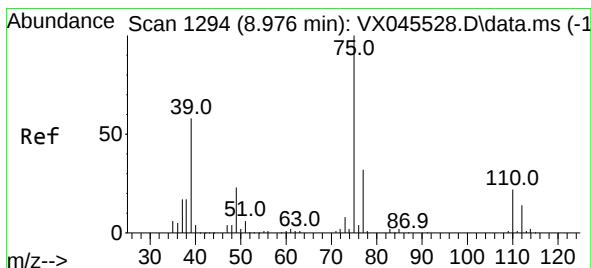
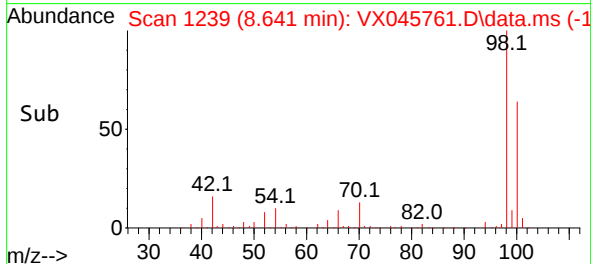
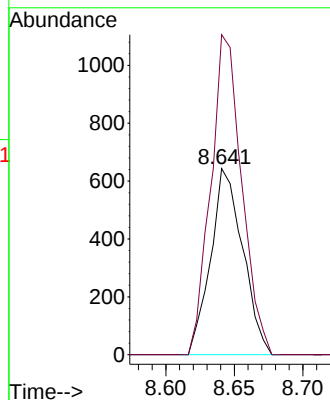
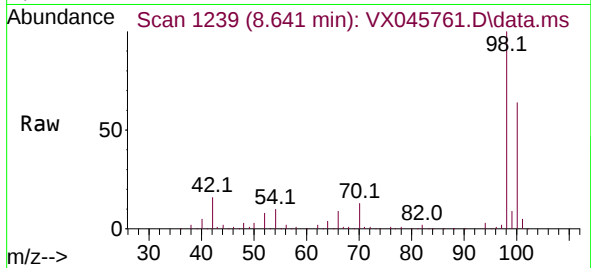




#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

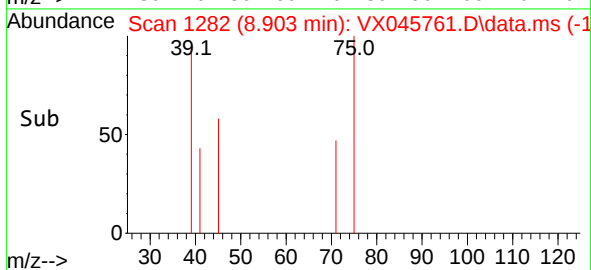
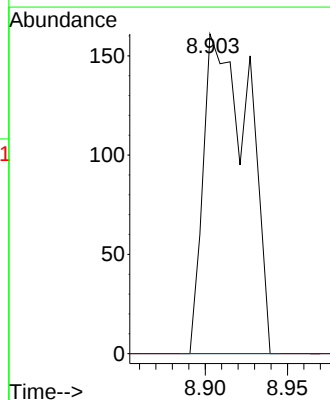
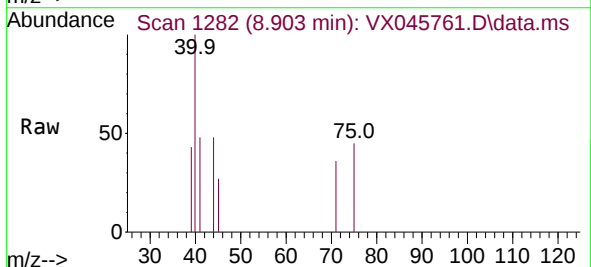
Instrument : MSVOA_X
ClientSampleId : S-871-G1-SO-23.0-23.5-041025

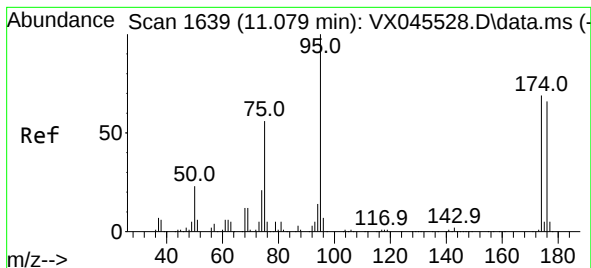
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 166.3 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.480 ug/l
RT: 8.903 min Scan# 1282
Delta R.T. -0.073 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 75 Resp: 306
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

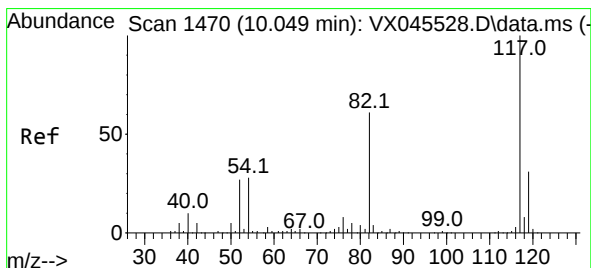
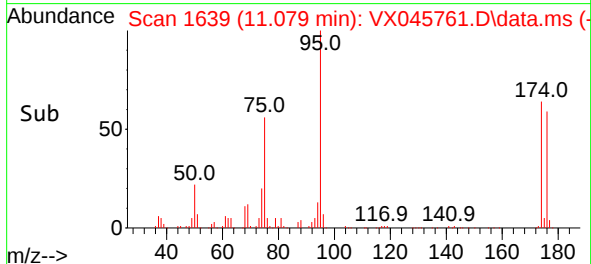
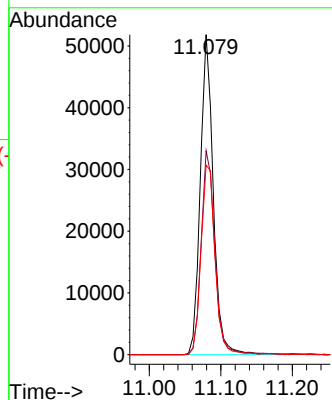
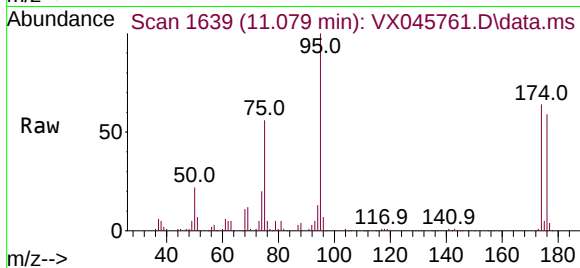




#62
4-Bromofluorobenzene
Concen: 50.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

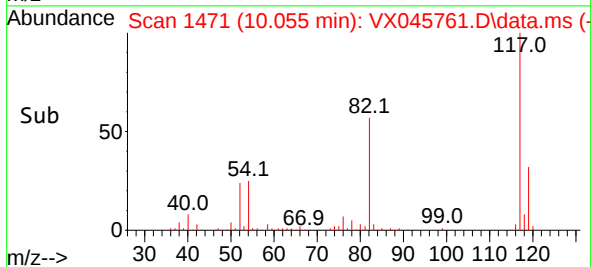
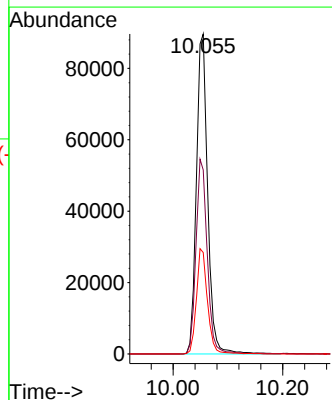
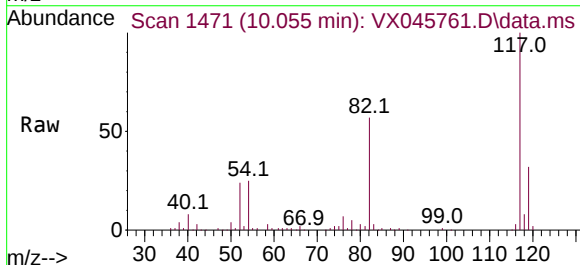
Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

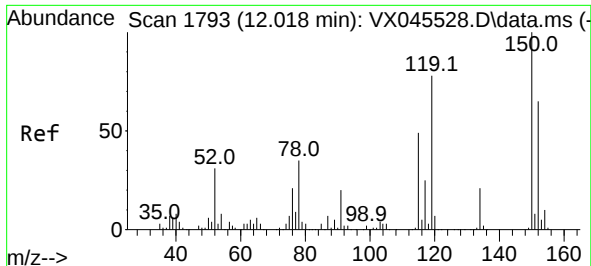
Tgt Ion: 95 Resp: 65357
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 64.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 117 Resp: 128869
Ion Ratio Lower Upper
117 100
82 57.5 49.2 73.8
119 31.7 25.1 37.7

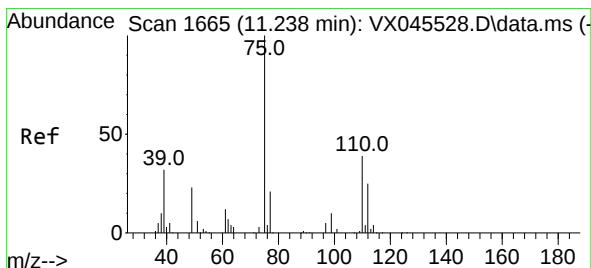
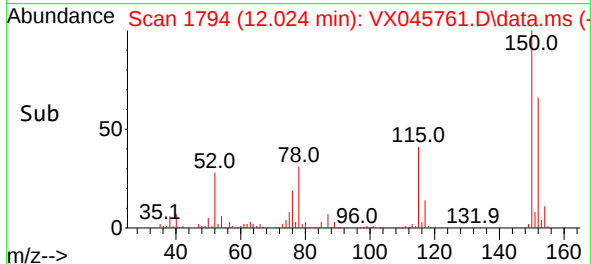
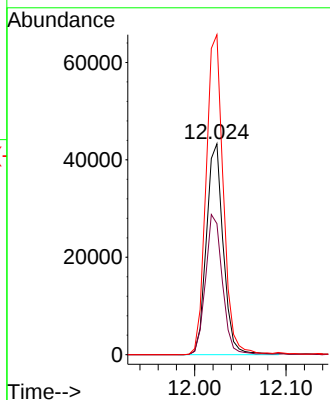
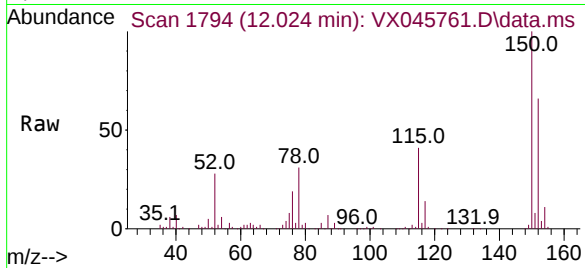




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

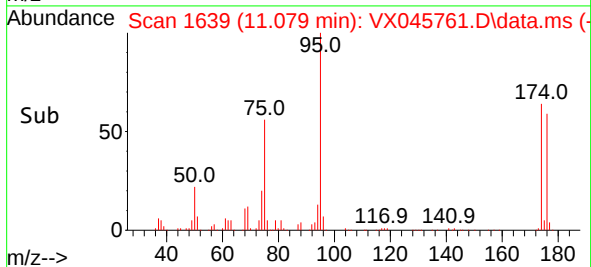
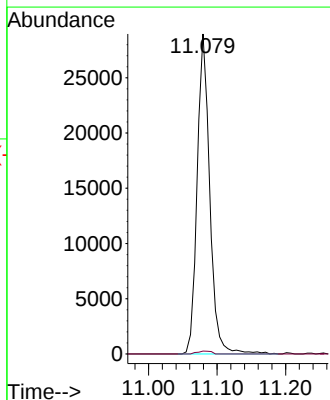
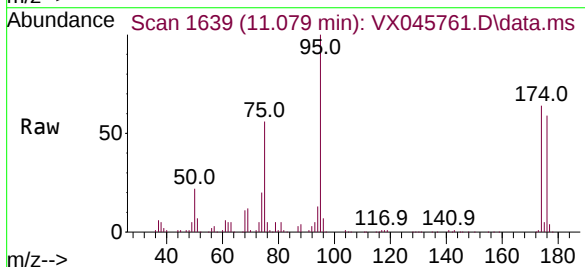
Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

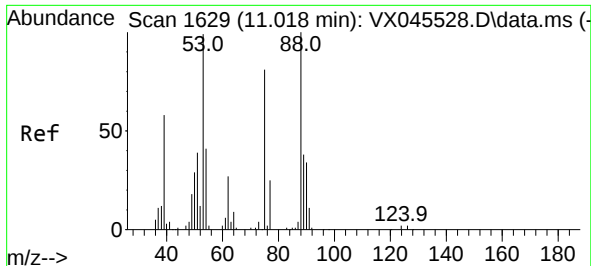
Tgt Ion:152 Resp: 55390
Ion Ratio Lower Upper
152 100
115 66.4 46.9 140.7
150 154.7 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 27.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 75 Resp: 37127
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

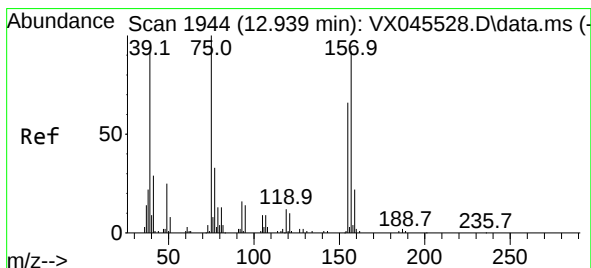
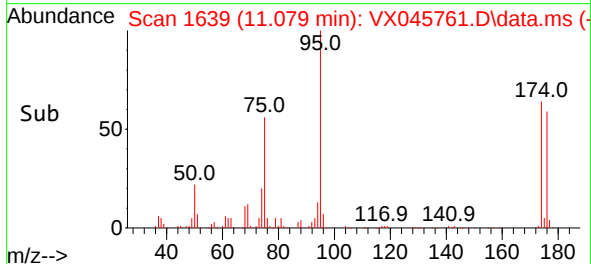
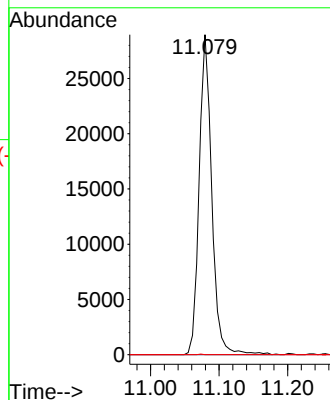
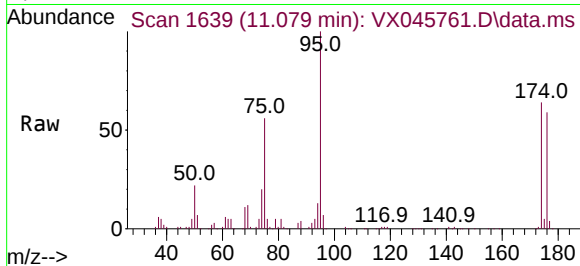




#81
trans-1,4-Dichloro-2-butene
Concen: 93.261 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion: 75 Resp: 37127
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.178 ug/l
RT: 12.756 min Scan# 1914
Delta R.T. -0.183 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 75 Resp: 1362
Ion Ratio Lower Upper
75 100
155 5.4 34.9 104.7#
157 0.0 44.9 134.7#

