

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023713.D
 Acq On : 10 Nov 2025 14:19
 Operator : SY/MD
 Sample : VY1110SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBL01

Quant Time: Nov 11 02:06:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

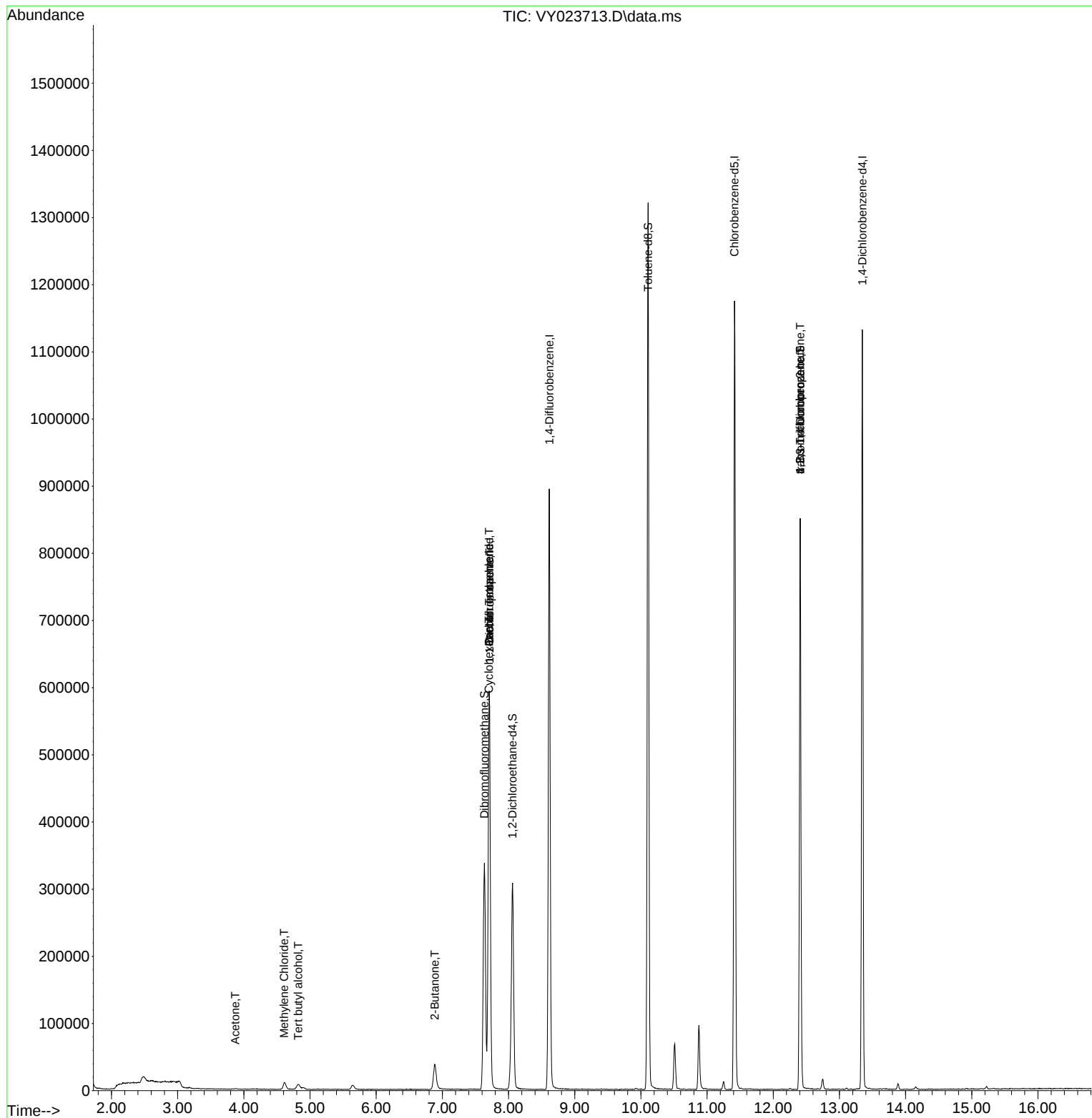
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	483957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	776369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	297016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227850	56.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.600%
35) Dibromofluoromethane	7.634	113	246365	51.644	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.109	98	882620	49.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.408	95	253967	43.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	7554	25.091	ug/l #	72
16) Acetone	3.873	43	1210	1.256	ug/l	98
20) Methylene Chloride	4.610	84	7911	1.519	ug/l #	89
25) 2-Butanone	6.884	43	1980	1.683	ug/l #	40
31) Cyclohexane	7.701	56	8996	1.336	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	34834	5.516	ug/l #	48
38) Carbon Tetrachloride	7.707	117	47020	6.140	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	125738	47.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	125738	117.663	ug/l #	15

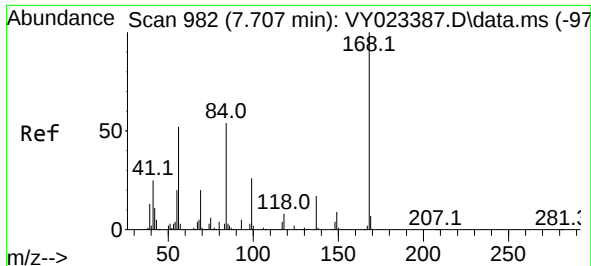
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

Quant Time: Nov 11 02:06:15 2025
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

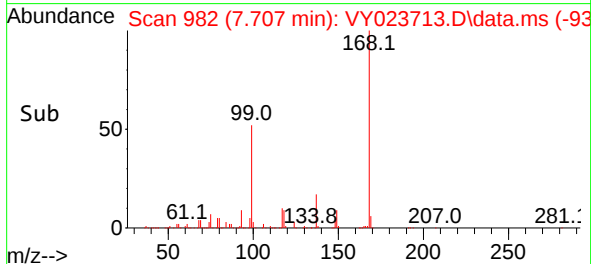
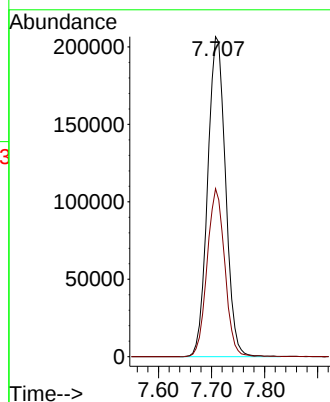
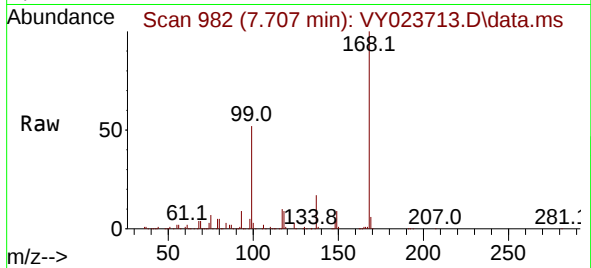




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

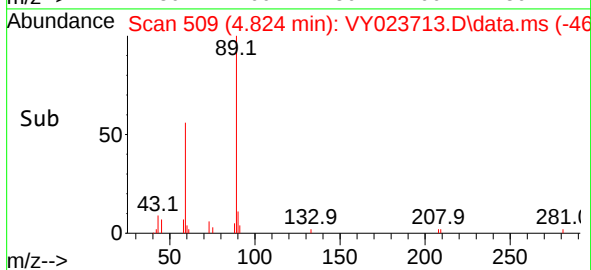
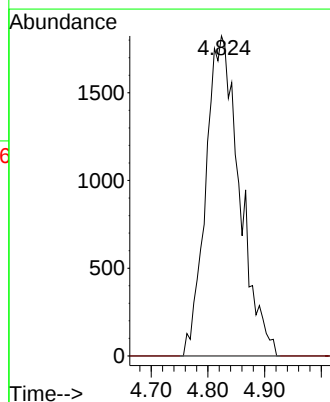
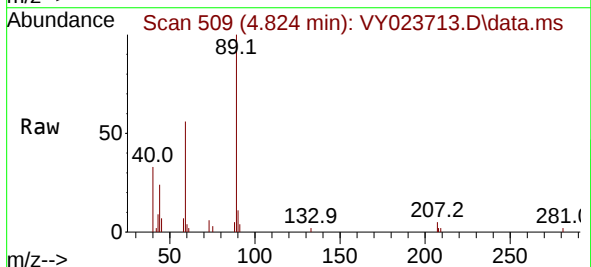
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

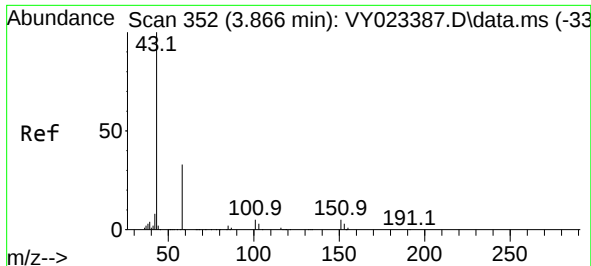
Tgt Ion:168 Resp: 483957
Ion Ratio Lower Upper
168 100
99 52.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 25.091 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 59 Resp: 7554
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

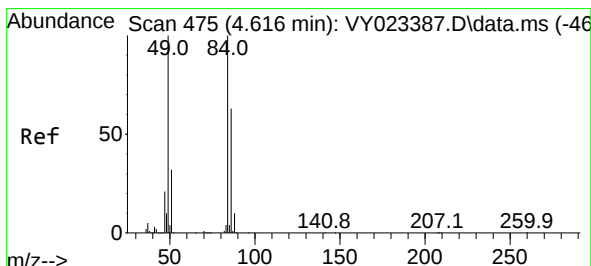
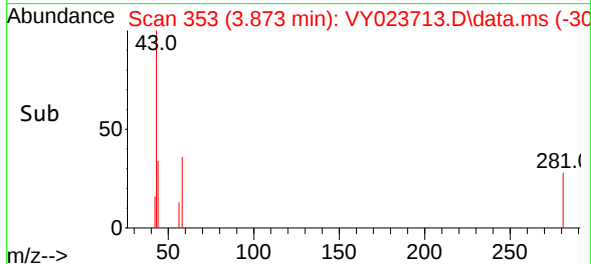
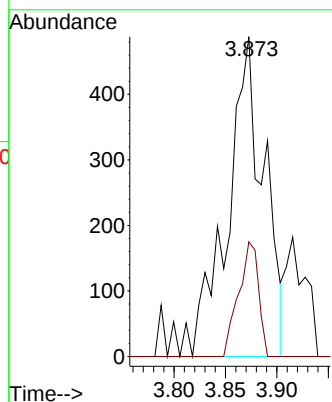
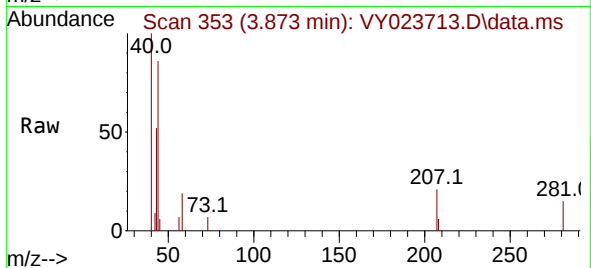




#16
Acetone
Concen: 1.256 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

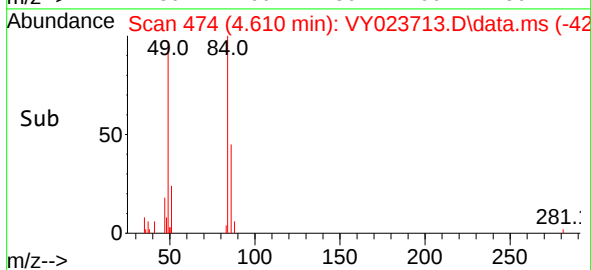
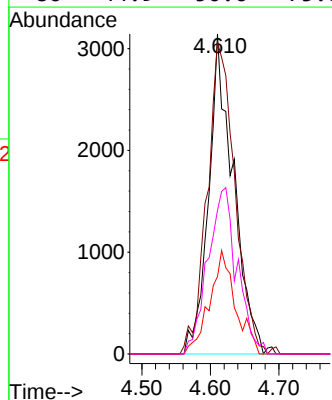
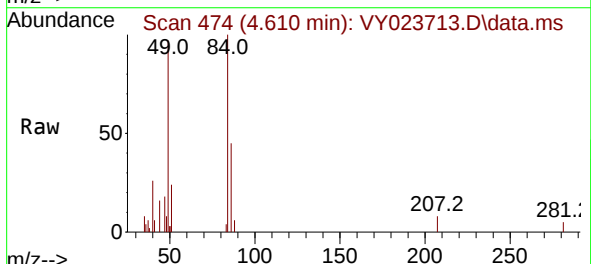
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

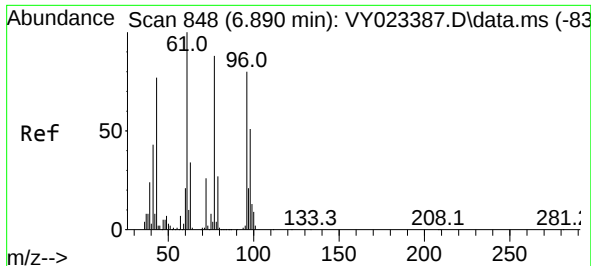
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 35.9 27.7 41.5



#20
Methylene Chloride
Concen: 1.519 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 84 Resp: 7911
Ion Ratio Lower Upper
84 100
49 97.5 80.2 120.4
51 24.1 25.9 38.9#
86 44.9 50.6 75.8#

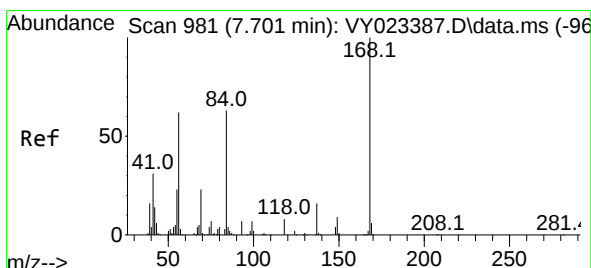
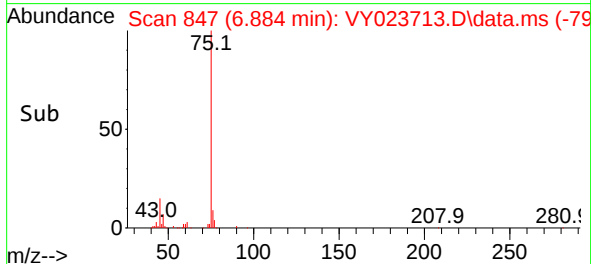
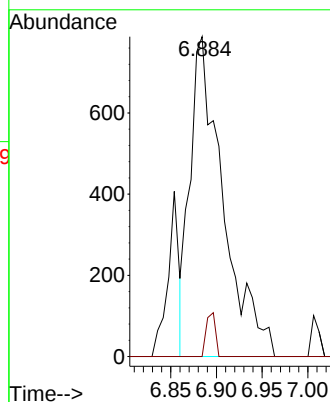
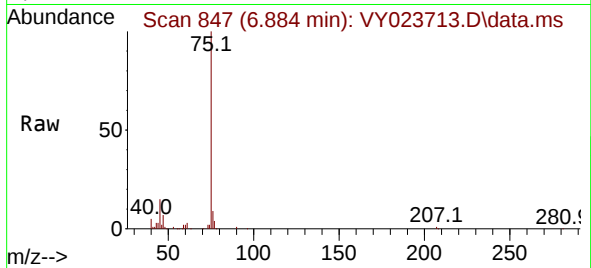




#25
2-Butanone
Concen: 1.683 ug/l
RT: 6.884 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

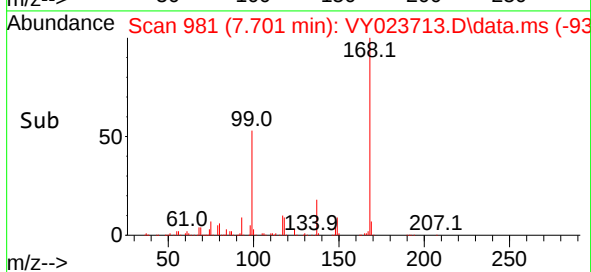
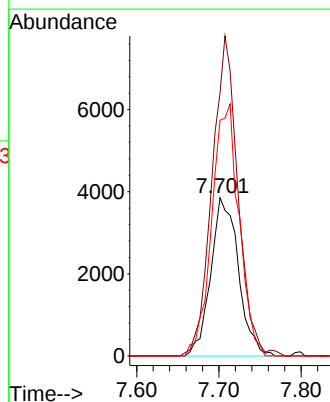
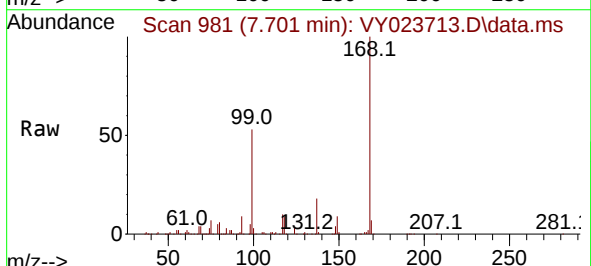
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

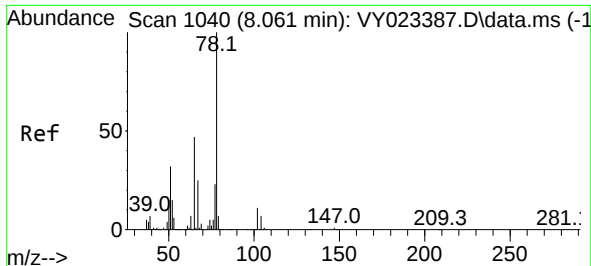
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 56 Resp: 8996
Ion Ratio Lower Upper
56 100
69 166.1 30.0 45.0#
84 148.9 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 56.302 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023713.D

Acq: 10 Nov 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

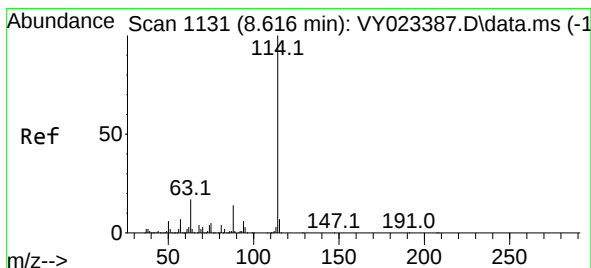
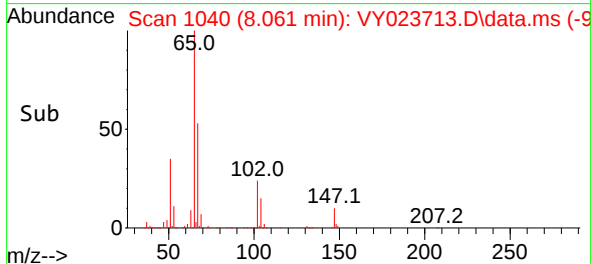
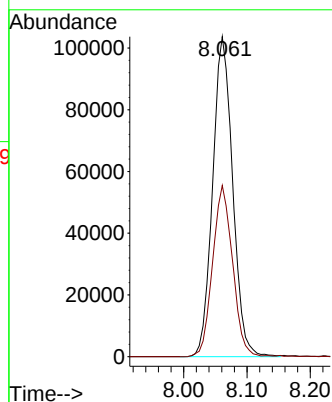
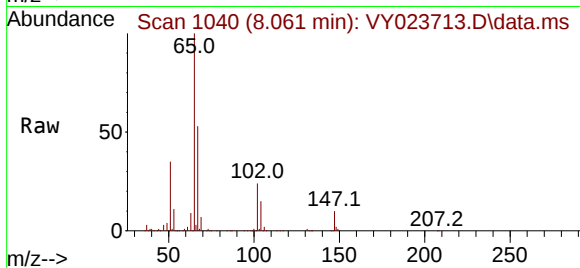
VY1110SBL01

Tgt Ion: 65 Resp: 227850

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023713.D

Acq: 10 Nov 2025 14:19

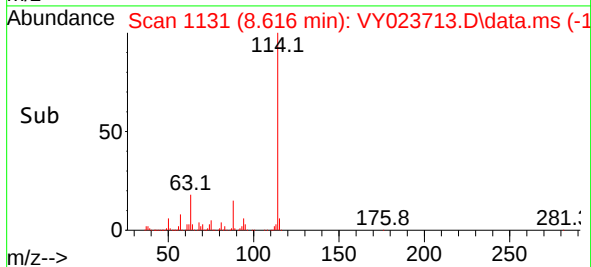
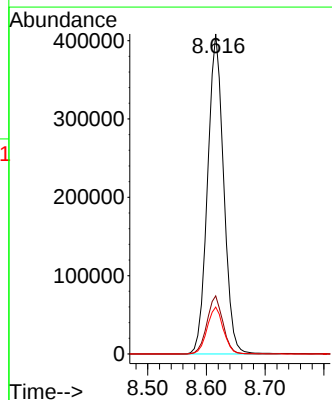
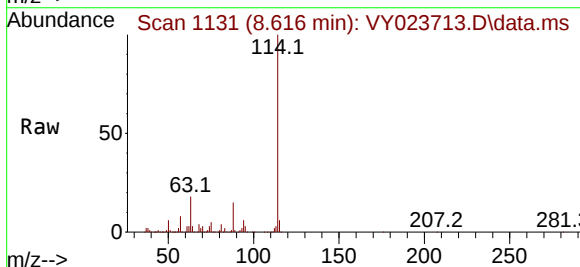
Tgt Ion: 114 Resp: 776369

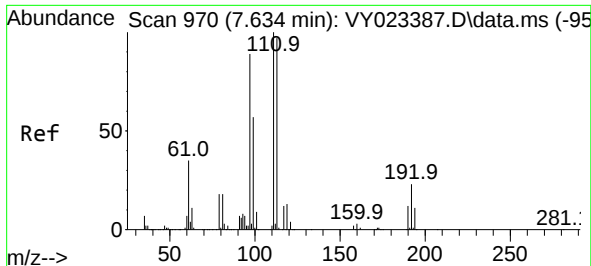
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.2

88 14.7 0.0 28.4

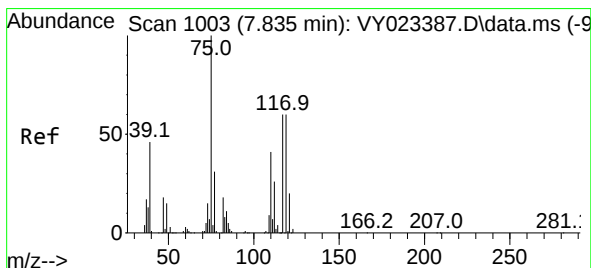
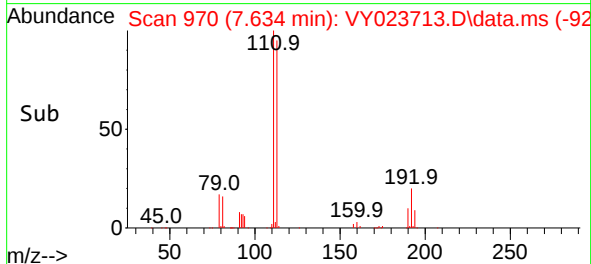
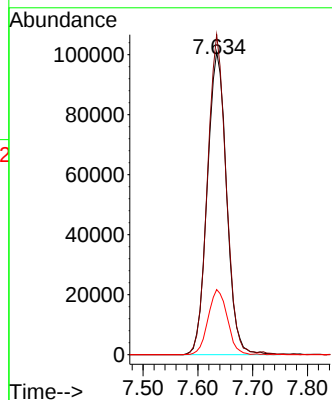
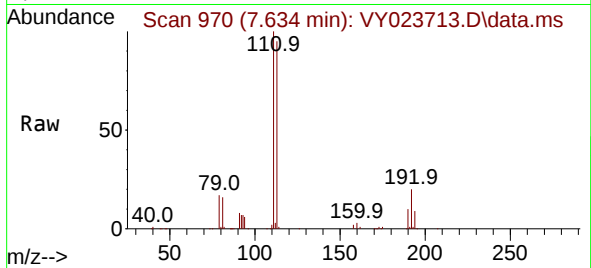




#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

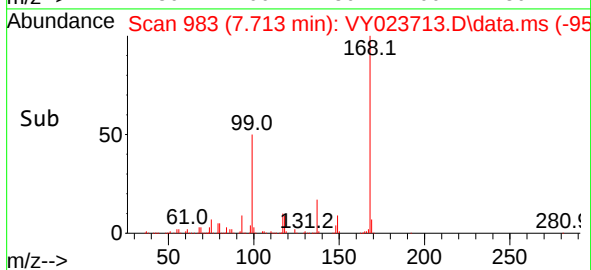
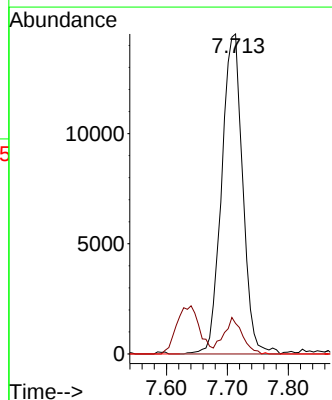
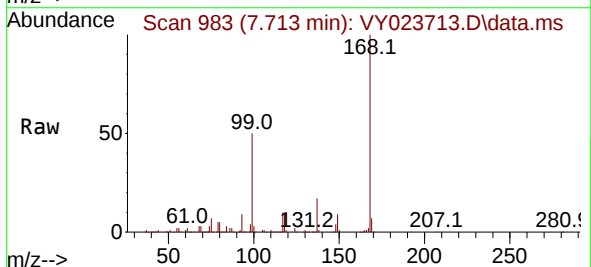
Instrument :
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ClientSampleId :
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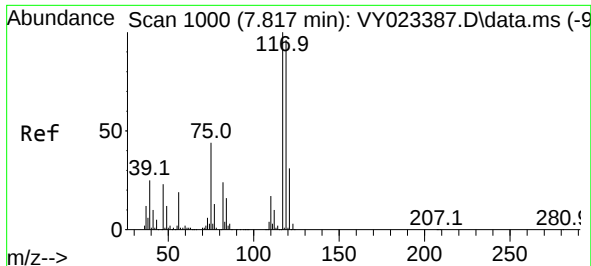
Tgt Ion:113 Resp: 246365
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 21.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 5.516 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 75 Resp: 34834
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.7#
77 0.0 25.0 37.6#

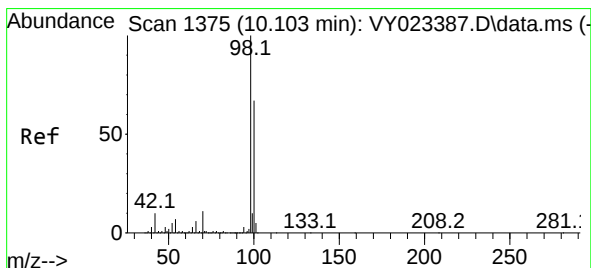
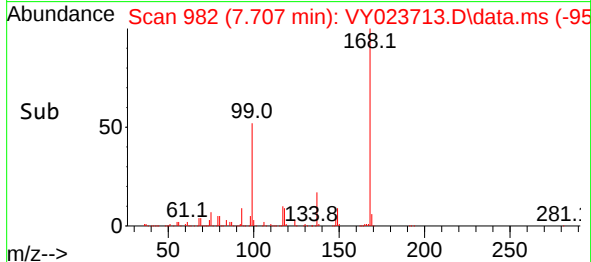
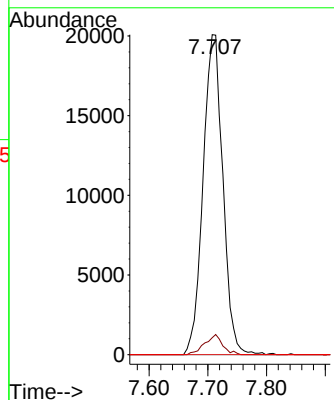
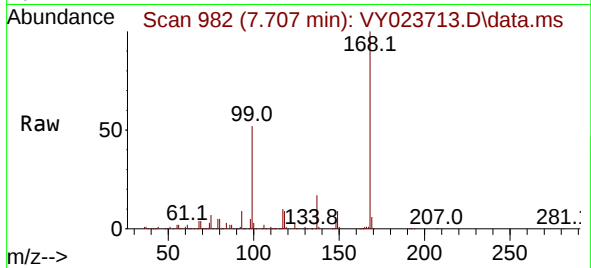




#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

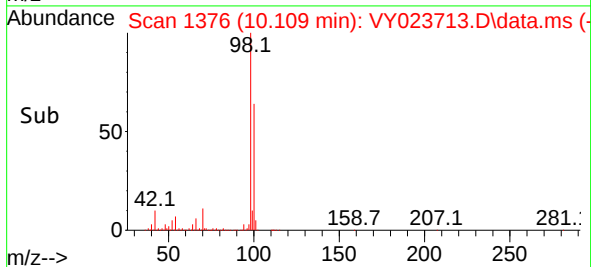
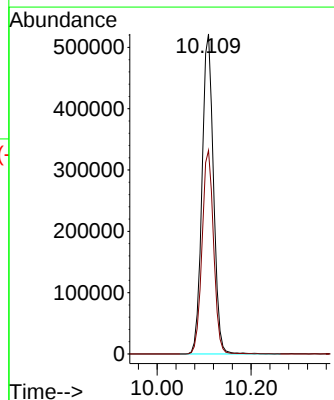
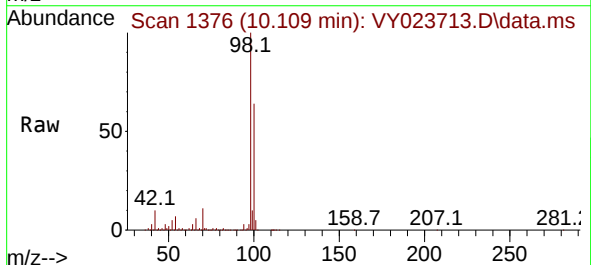
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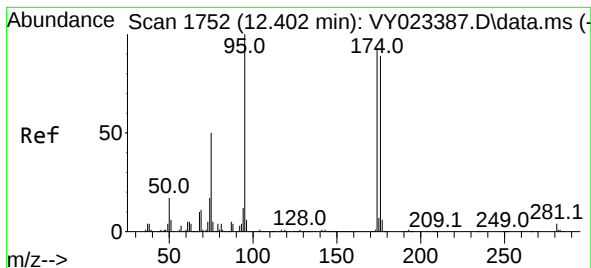
Tgt Ion:117 Resp: 47020
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.682 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 98 Resp: 882620
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4

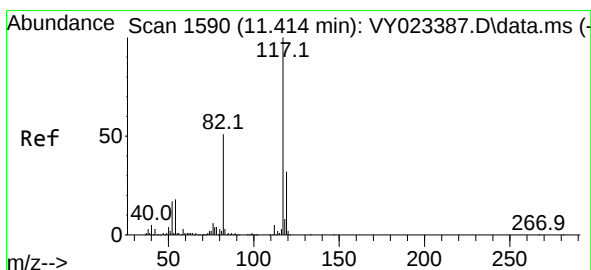
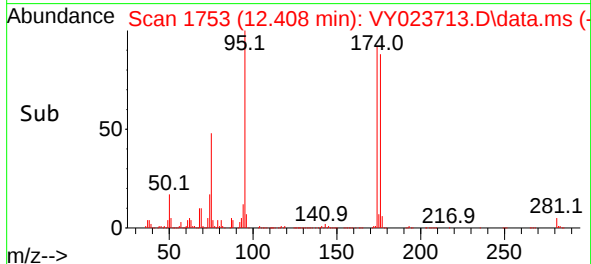
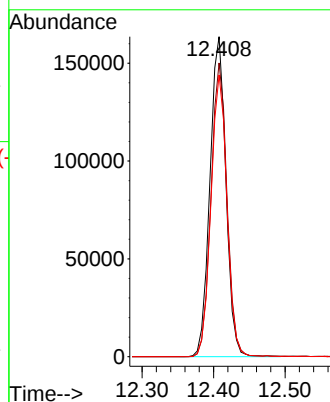
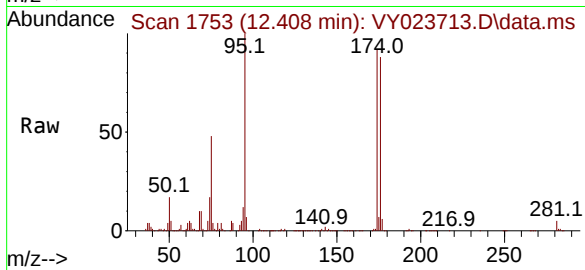




#62
4-Bromofluorobenzene
Concen: 43.300 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

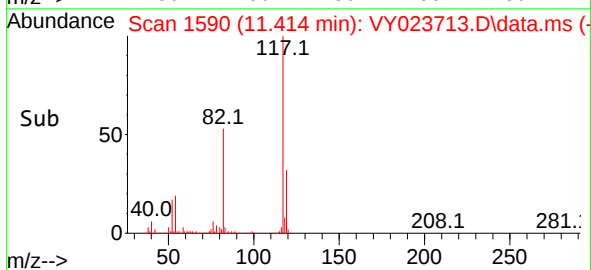
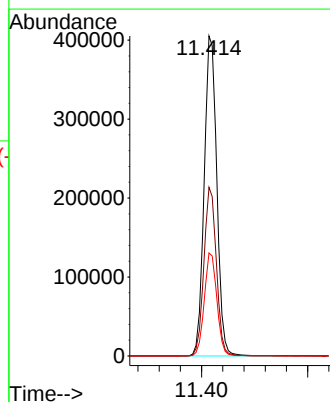
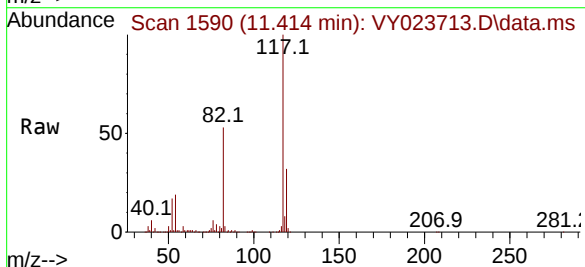
Instrument :
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ClientSampleId :
VY1110SBL01

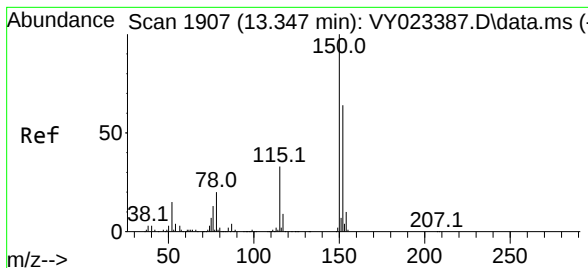
Tgt Ion: 95 Resp: 253967
Ion Ratio Lower Upper
95 100
174 92.0 0.0 192.8
176 88.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 117 Resp: 668860
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.4
119 32.2 25.6 38.4

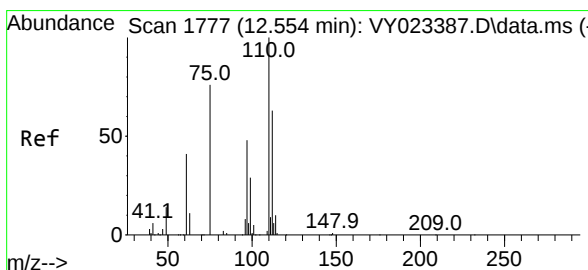
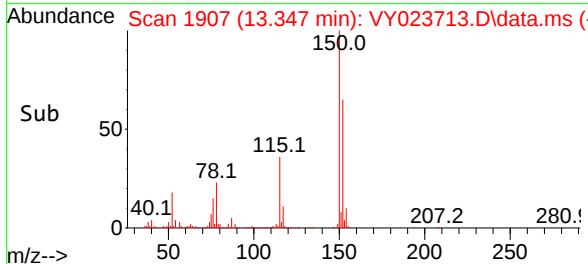
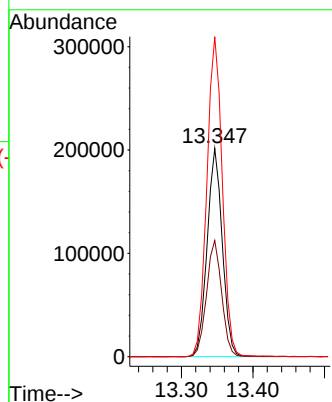
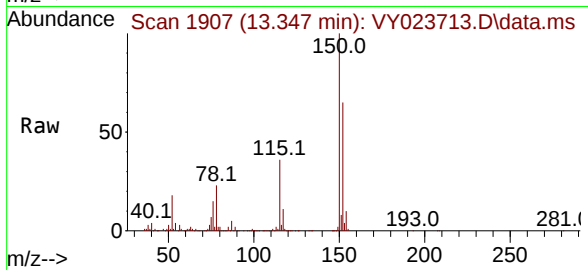




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023713.D
 Acq: 10 Nov 2025 14:19

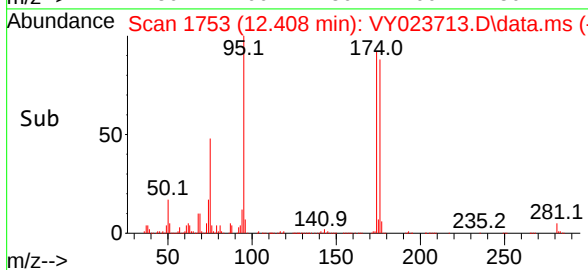
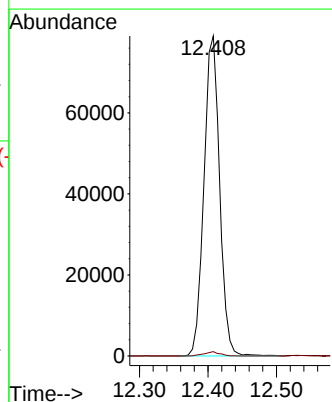
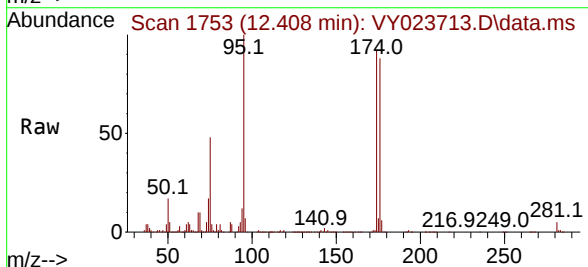
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBL01

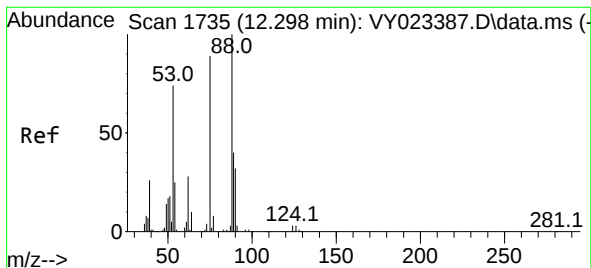
Tgt Ion:152 Resp: 297016
 Ion Ratio Lower Upper
 152 100
 115 55.8 27.1 81.2
 150 156.7 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 47.983 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023713.D
 Acq: 10 Nov 2025 14:19

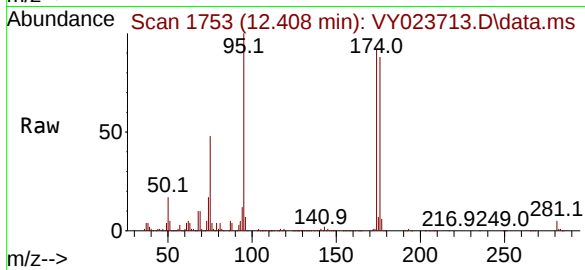
Tgt Ion: 75 Resp: 125738
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 117.663 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01



Tgt Ion: 75 Resp: 125738
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

