

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023775.D
 Acq On : 13 Nov 2025 10:17
 Operator : SY/MD
 Sample : VY1113SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBL01

Quant Time: Nov 14 04:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

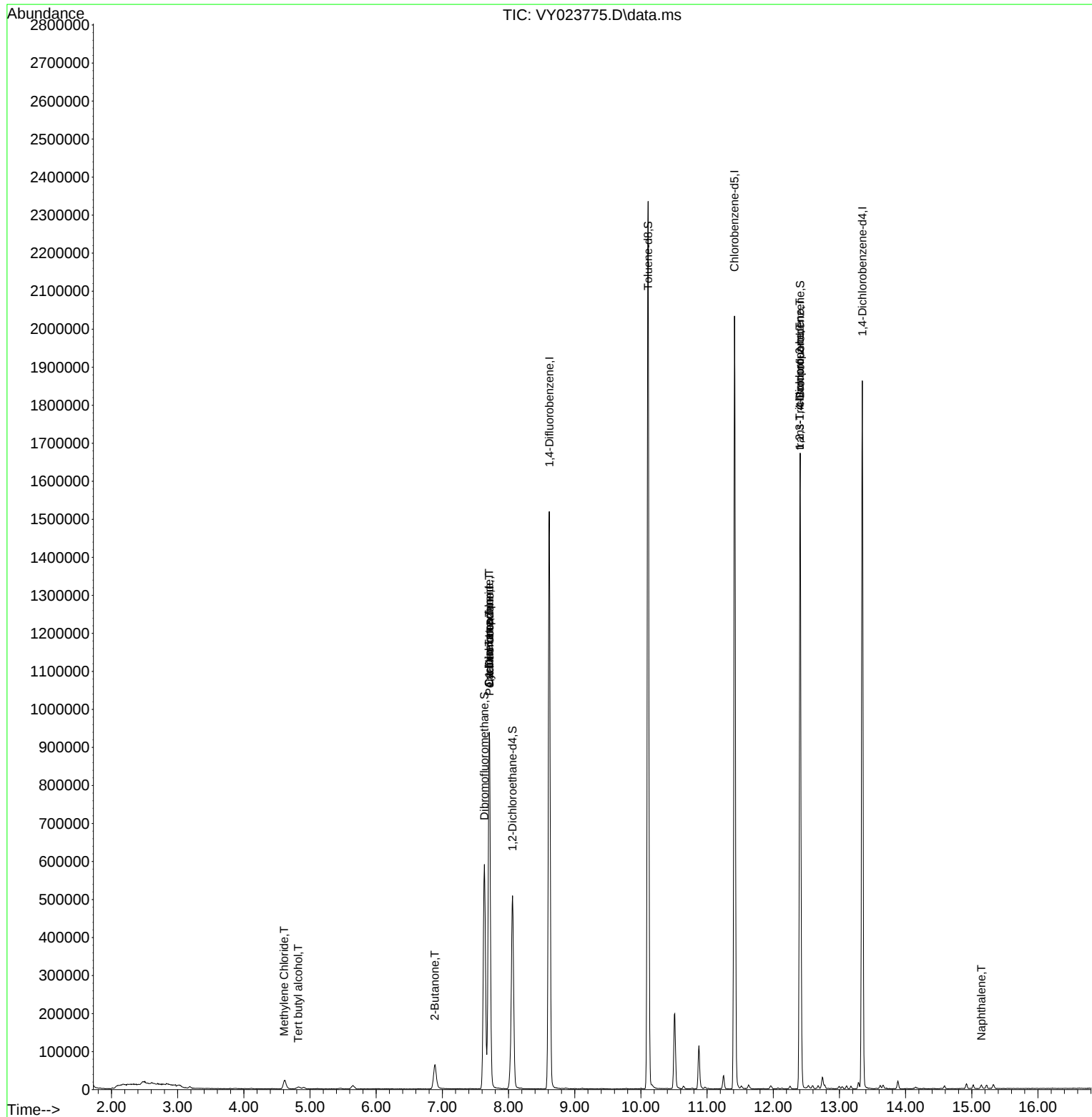
Internal Standards						
1) Pentafluorobenzene	7.713	168	770600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1347630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1134546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	509347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	372807	56.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.440%
35) Dibromofluoromethane	7.634	113	424945	50.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.109	98	1526427	48.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.408	95	512720	50.537	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	2497	5.891	ug/l #	74
20) Methylene Chloride	4.610	84	17497	2.218	ug/l	95
25) 2-Butanone	6.884	43	3736	1.978	ug/l #	71
31) Cyclohexane	7.707	56	13935	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	53730	4.774	ug/l #	47
38) Carbon Tetrachloride	7.707	117	72372	5.458	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	239993	58.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	239993	131.573	ug/l #	14
95) Naphthalene	15.145	128	8299	5.757	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023775.D
Acq On : 13 Nov 2025 10:17
Operator : SY/MD
Sample : VY1113SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

Quant Time: Nov 14 04:23:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

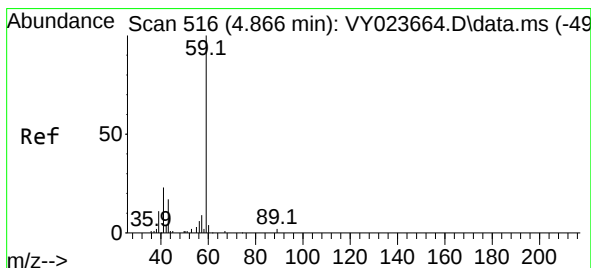
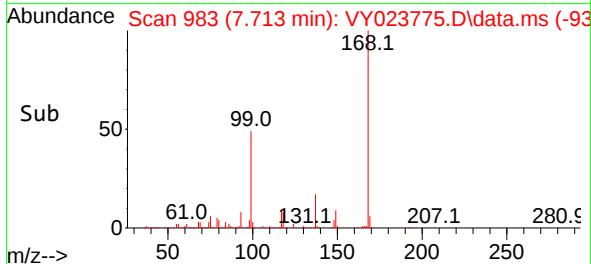
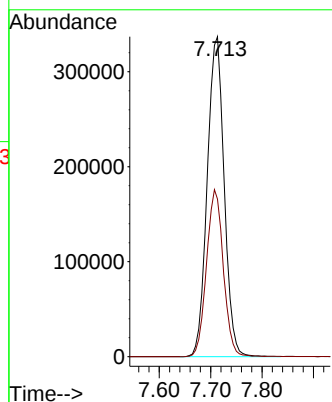
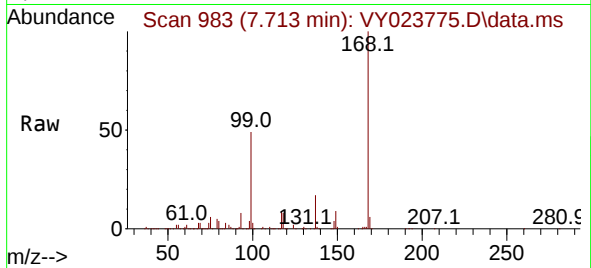




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

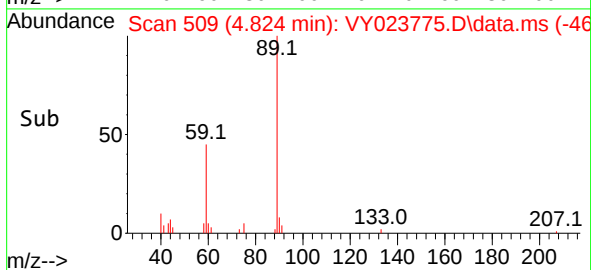
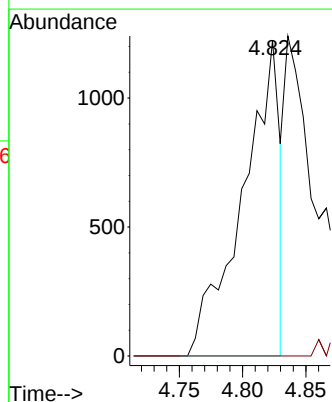
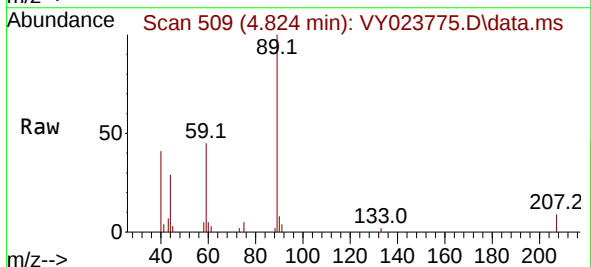
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

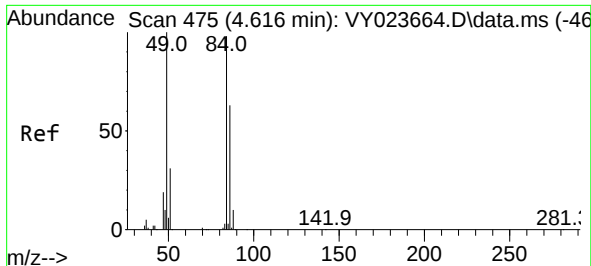
Tgt Ion:168 Resp: 770600
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4



#11
Tert butyl alcohol
Concen: 5.891 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 59 Resp: 2497
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

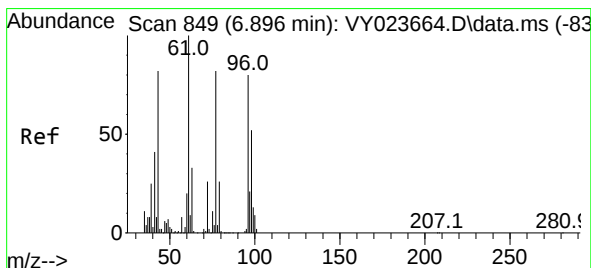
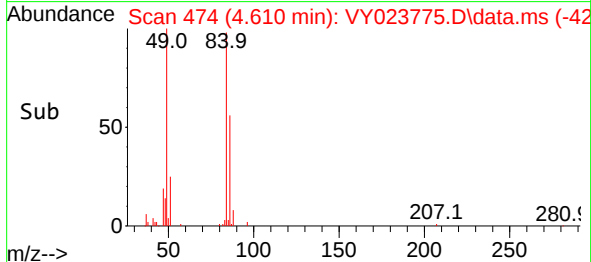
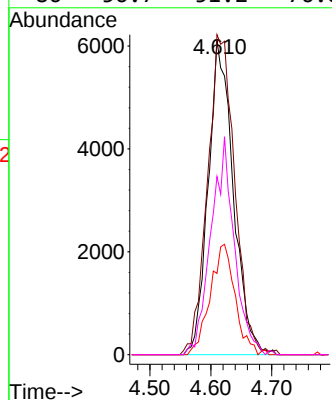
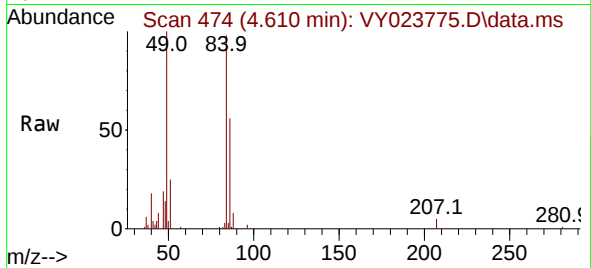




#20
Methylene Chloride
Concen: 2.218 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

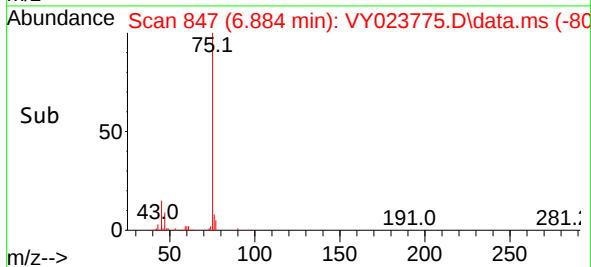
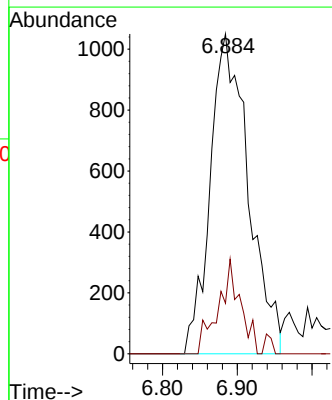
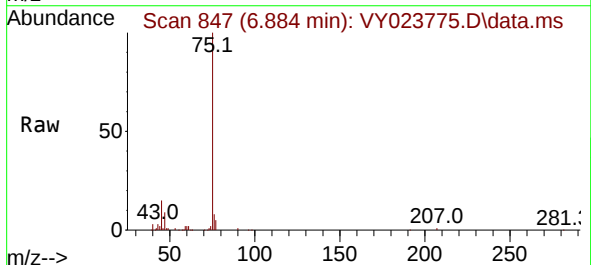
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

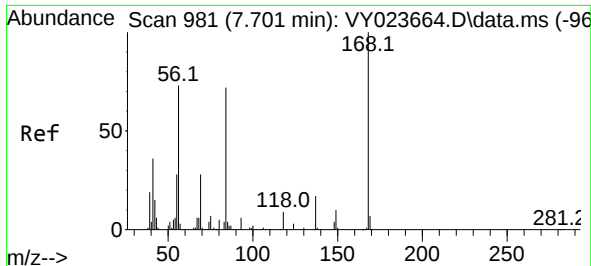
Tgt Ion:	84	Resp:	17497
Ion	Ratio	Lower	Upper
84	100		
49	101.8	81.5	122.3
51	25.9	25.5	38.3
86	56.7	51.2	76.8



#25
2-Butanone
Concen: 1.978 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion:	43	Resp:	3736
Ion	Ratio	Lower	Upper
43	100		
72	15.8	25.7	38.5#

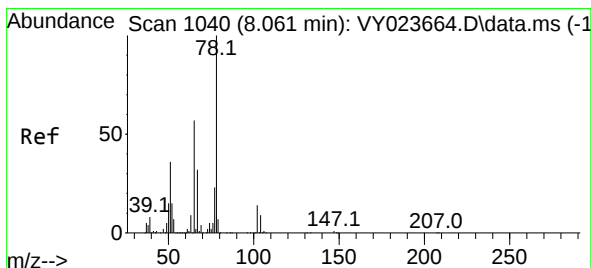
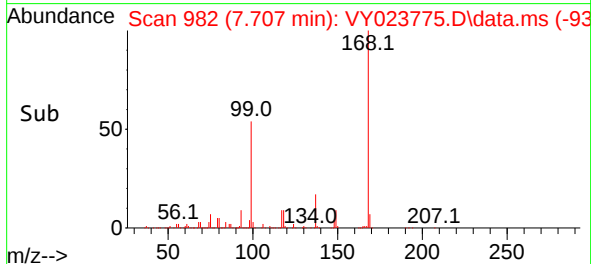
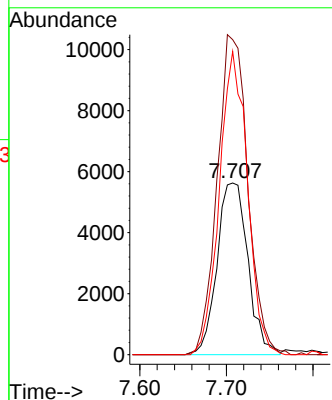
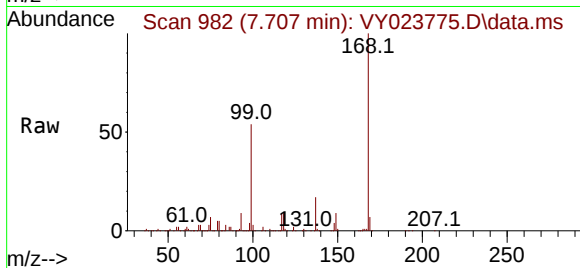




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

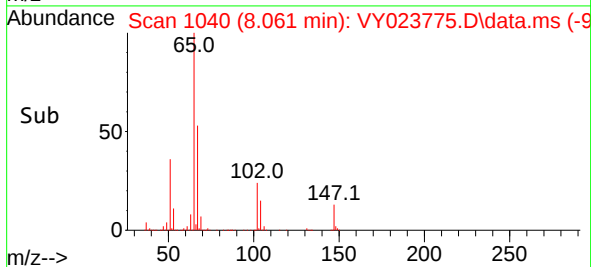
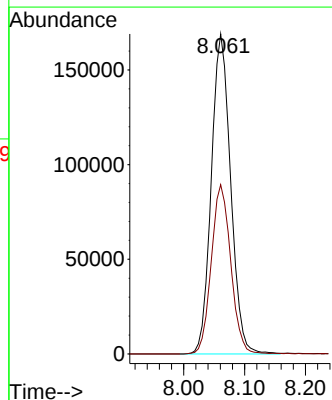
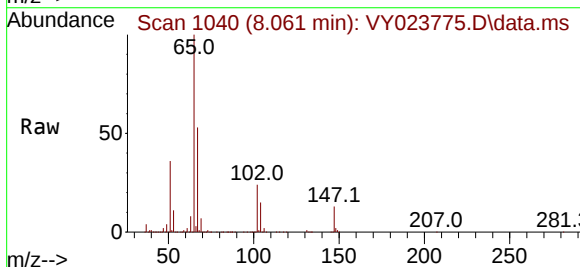
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

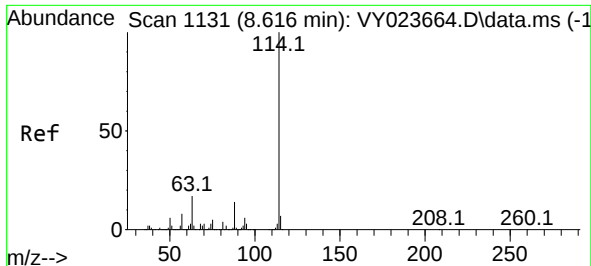
Tgt Ion: 56 Resp: 13935
Ion Ratio Lower Upper
56 100
69 183.5 30.5 45.7#
84 176.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 56.715 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 65 Resp: 372807
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4

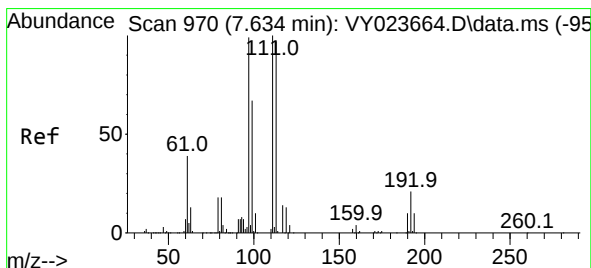
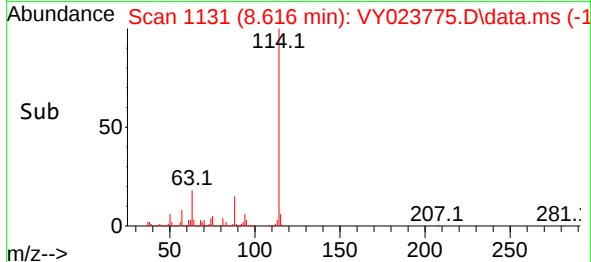
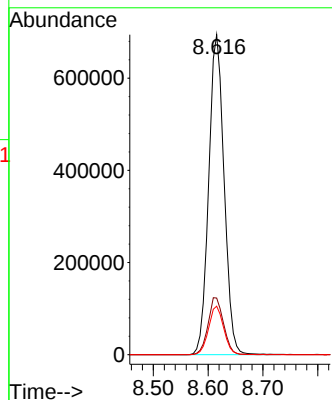
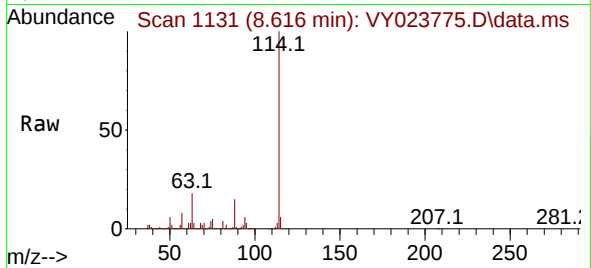




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

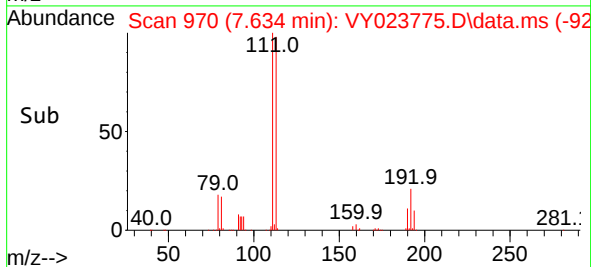
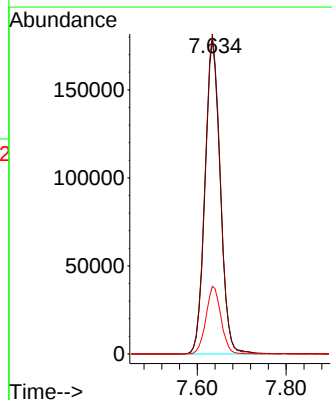
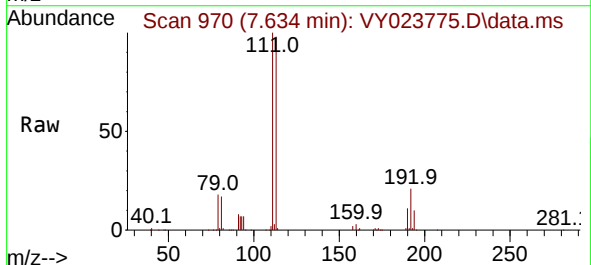
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

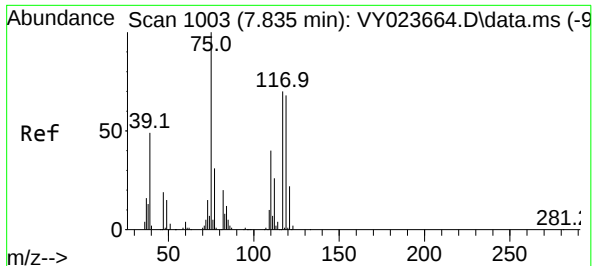
Tgt Ion:114 Resp: 1347630
Ion Ratio Lower Upper
114 100
63 17.7 0.0 33.8
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.458 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion:113 Resp: 424945
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 21.3 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

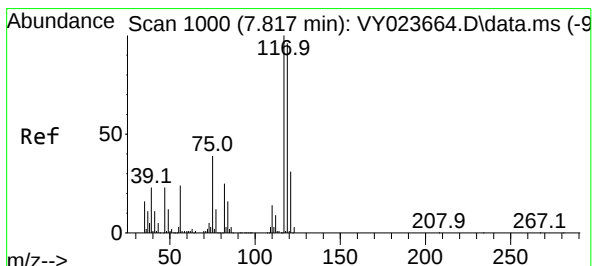
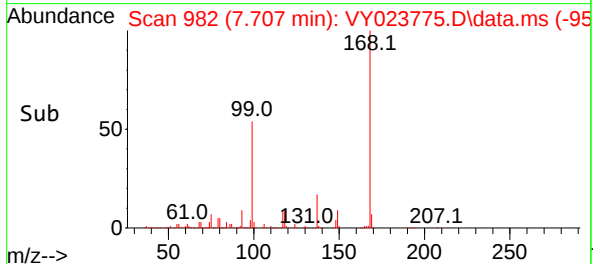
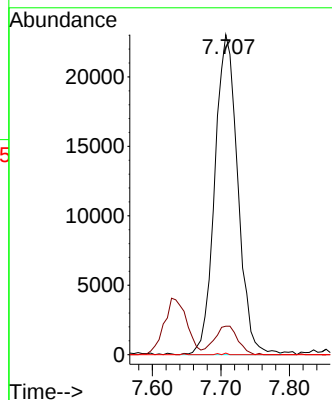
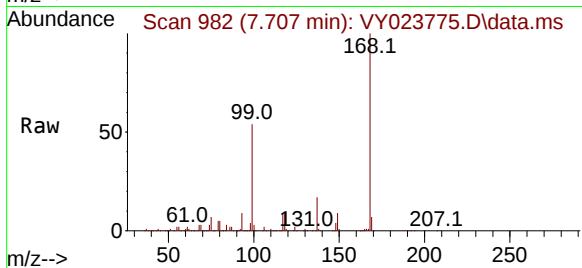
Tgt Ion: 75 Resp: 53730

Ion Ratio Lower Upper

75 100

110 9.1 19.7 59.0#

77 0.1 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

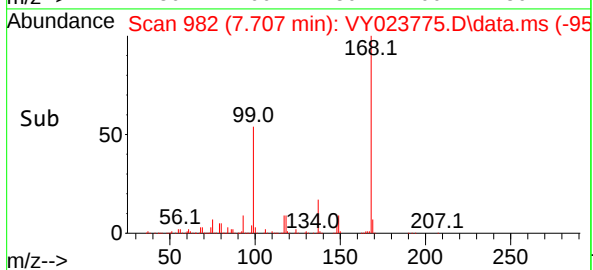
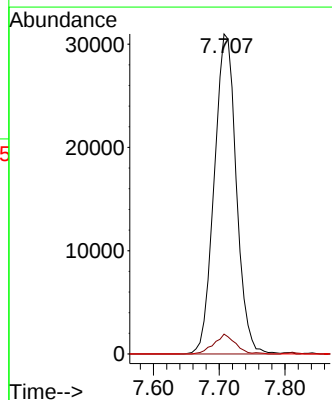
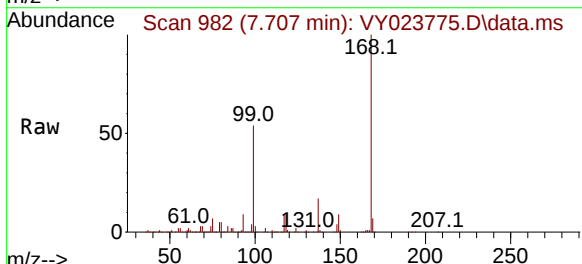
Tgt Ion: 117 Resp: 72372

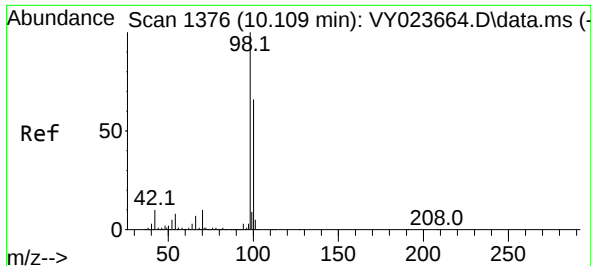
Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

121 0.0 24.8 37.2#

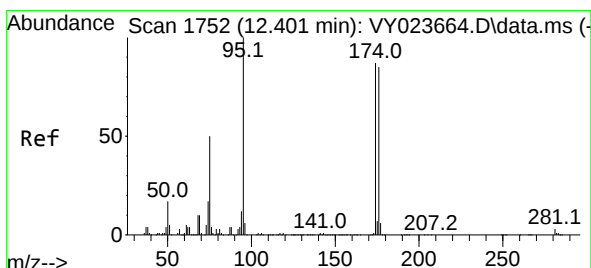
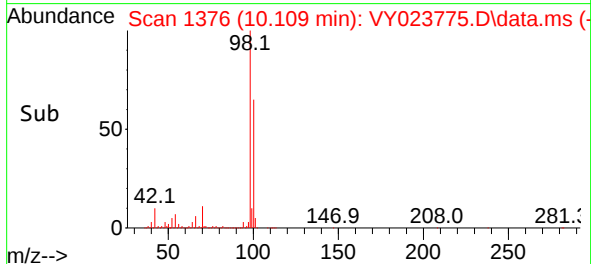
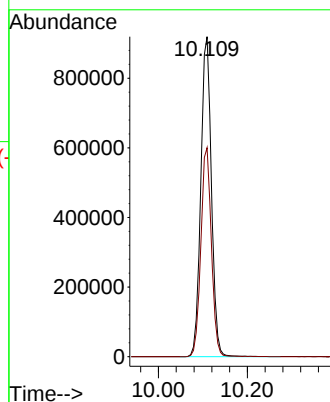
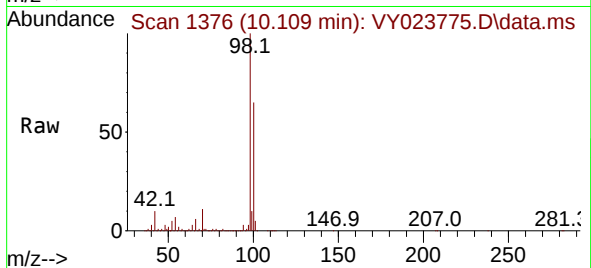




#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

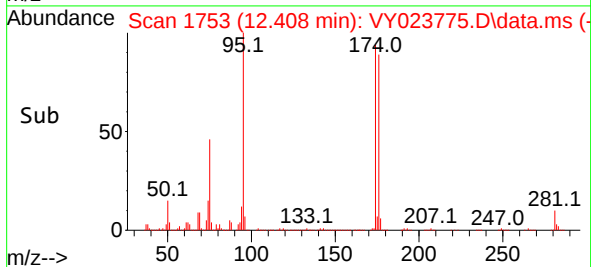
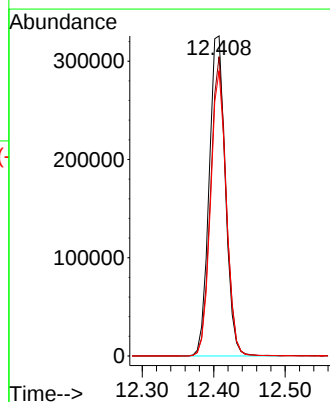
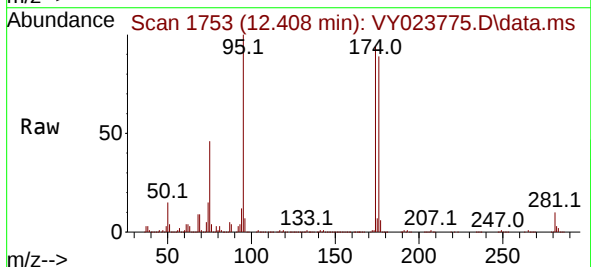
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

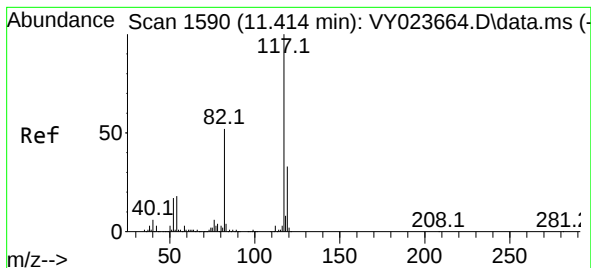
Tgt Ion: 98 Resp: 1526427
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 50.537 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 95 Resp: 512720
Ion Ratio Lower Upper
95 100
174 90.3 0.0 184.8
176 86.5 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

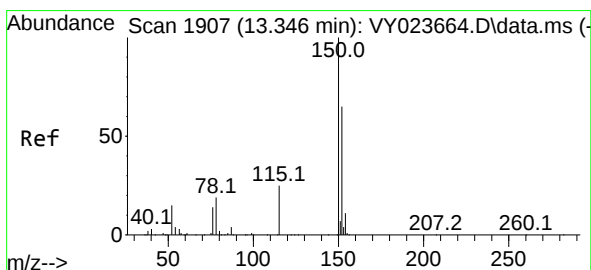
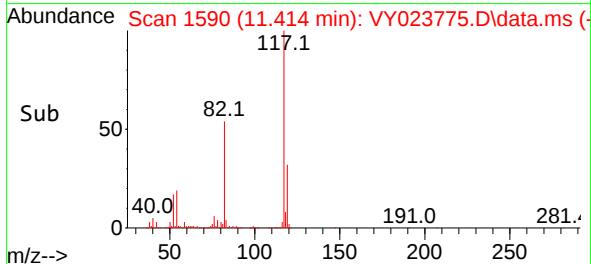
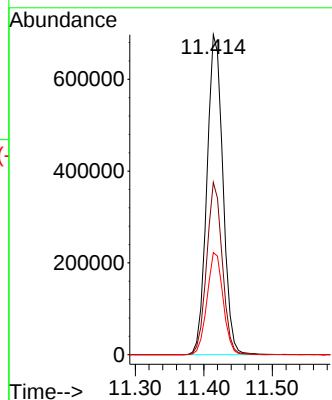
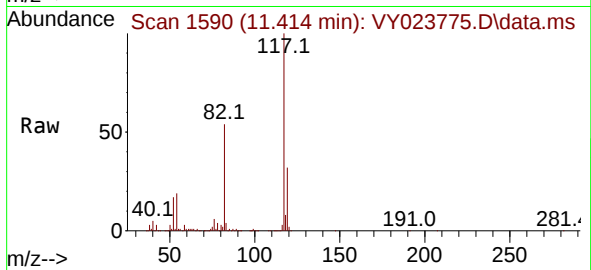
Tgt Ion:117 Resp: 1134546

Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 31.9 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

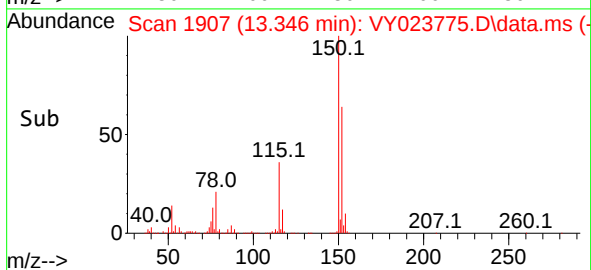
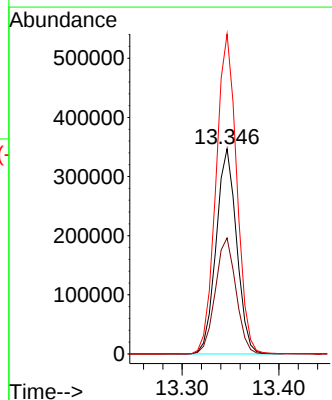
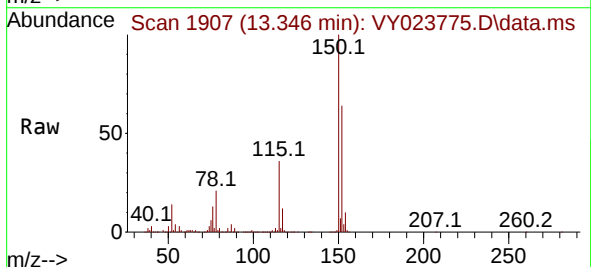
Tgt Ion:152 Resp: 509347

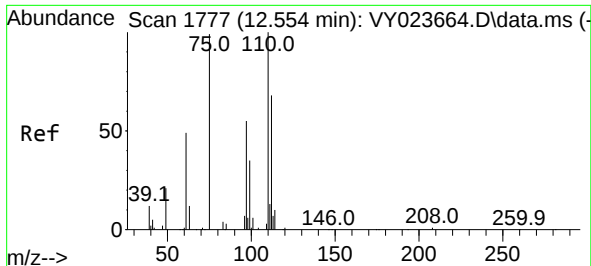
Ion Ratio Lower Upper

152 100

115 57.0 27.5 82.5

150 157.6 0.0 349.0

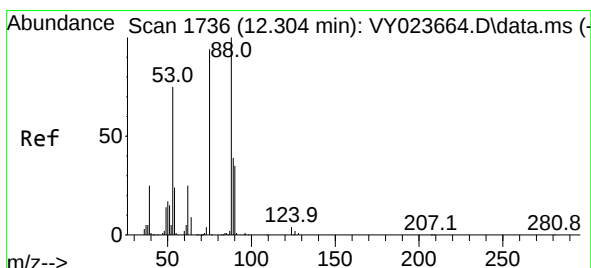
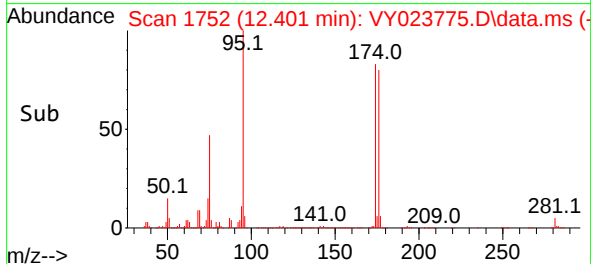
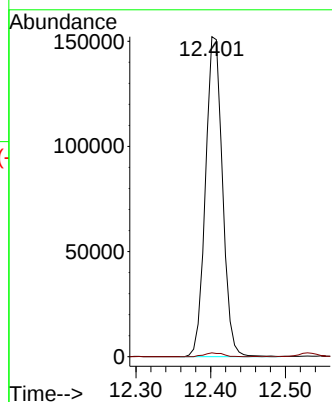
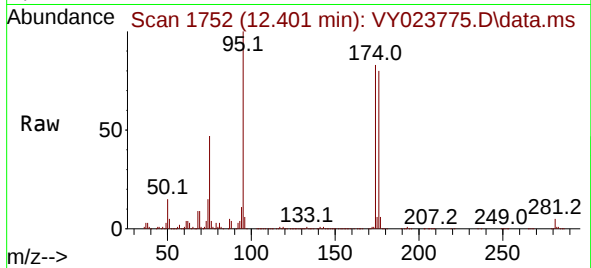




#76
1,2,3-Trichloropropane
Concen: 58.220 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

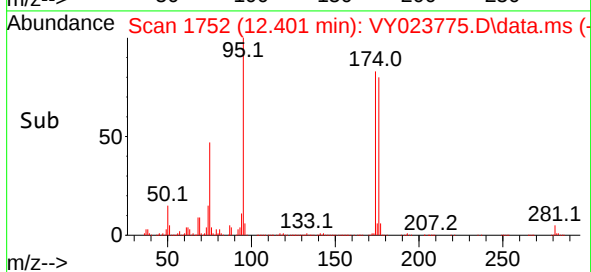
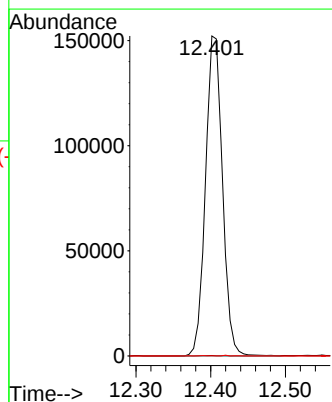
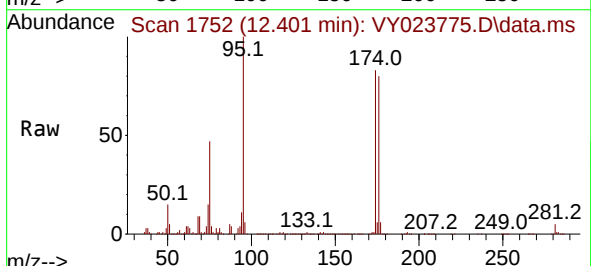
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

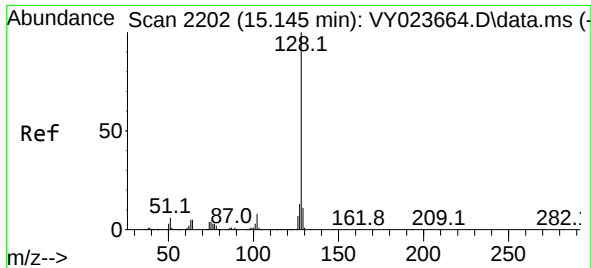
Tgt Ion: 75 Resp: 239993
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.573 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 75 Resp: 239993
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 5.757 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023775.D

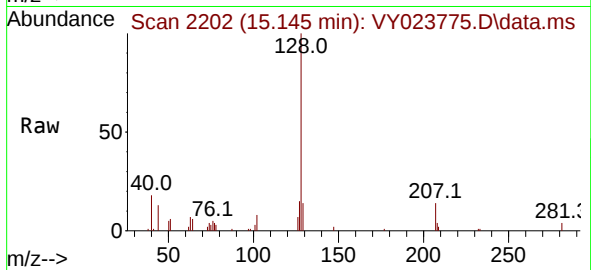
Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01



Tgt Ion:128 Resp: 8299

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 13.2 8.8 13.2

