

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023625.D
 Acq On : 30 Oct 2025 12:16
 Operator : SY/MD
 Sample : Q3486-03
 Misc : 8.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:37:37 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	7.713	168	724139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1263625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1068498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	440695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	354098	58.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.960%
35) Dibromofluoromethane	7.640	113	403711	51.995	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.000%
50) Toluene-d8	10.109	98	1441951	49.868	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.408	95	421758	44.180	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.360%

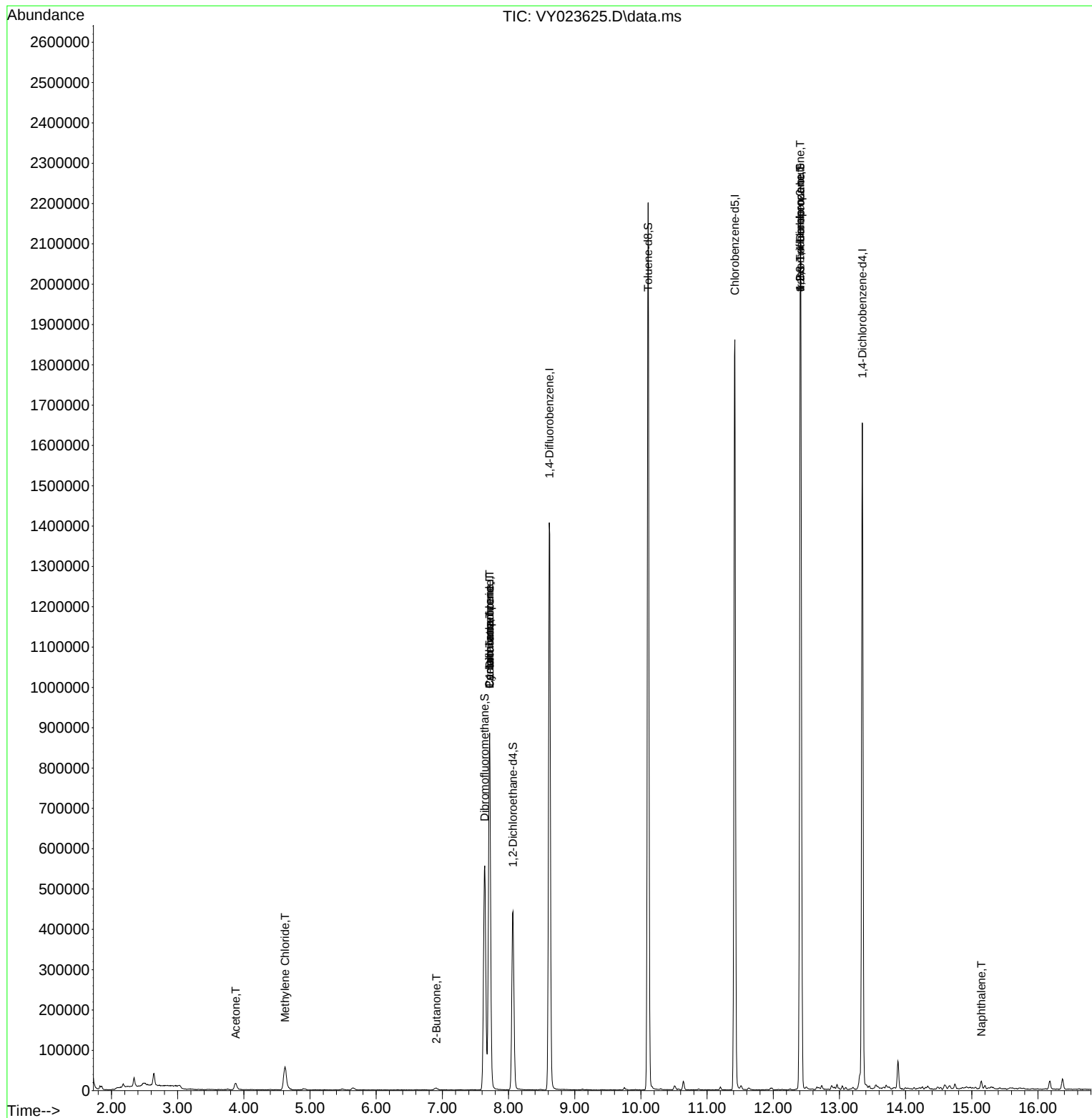
Target Compounds						Qvalue
16) Acetone	3.879	43	28930	20.068	ug/l	94
20) Methylene Chloride	4.623	84	44991	5.772	ug/l	96
25) 2-Butanone	6.909	43	4455	2.531	ug/l #	66
31) Cyclohexane	7.713	56	12536	1.244	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	49016	4.768	ug/l #	47
38) Carbon Tetrachloride	7.713	117	67228	5.394	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	214368	55.134	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	214368	135.200	ug/l #	15
95) Naphthalene	15.145	128	17306	1.322	ug/l	96

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

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QLast Update : Wed Oct 08 05:12:50 2025
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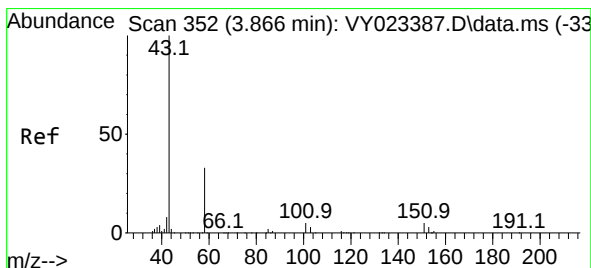
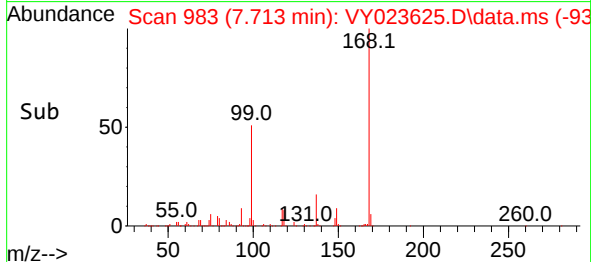
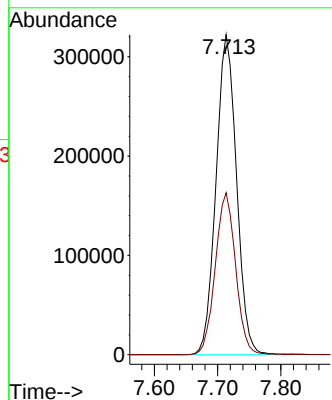
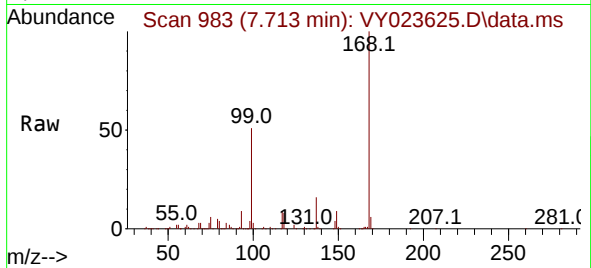




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

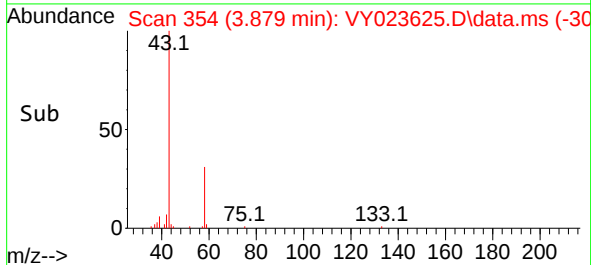
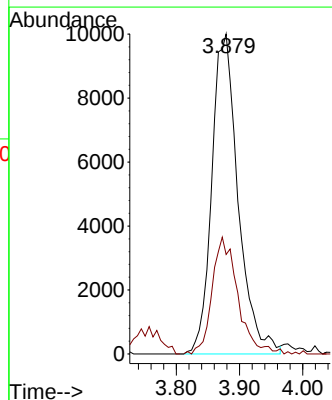
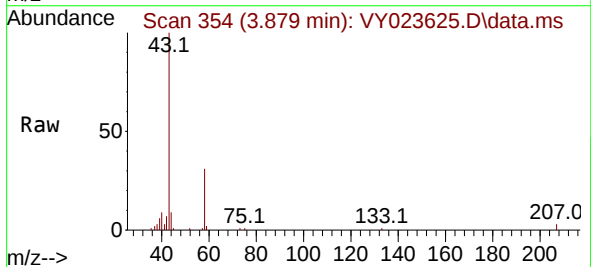
Instrument :
MSVOA_Y
ClientSampleId :

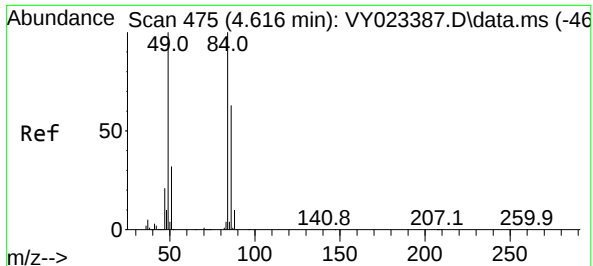
Tgt Ion:168 Resp: 724139
Ion Ratio Lower Upper
168 100
99 50.6 39.7 59.5



#16
Acetone
Concen: 20.068 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

Tgt Ion: 43 Resp: 28930
Ion Ratio Lower Upper
43 100
58 31.1 27.7 41.5

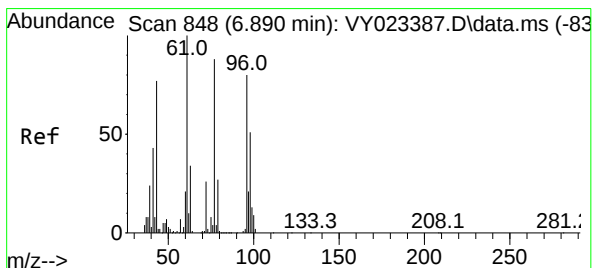
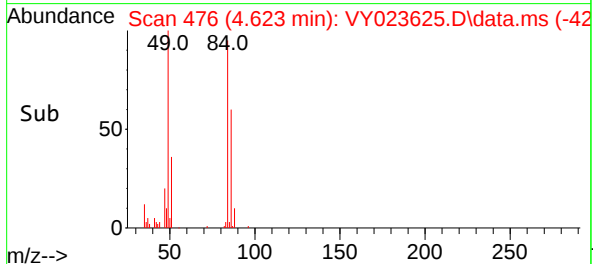
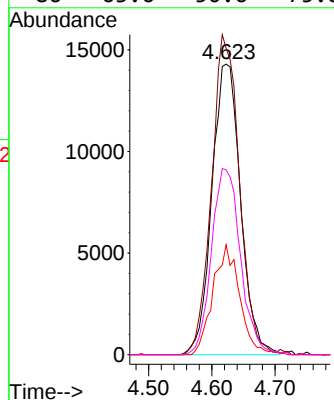
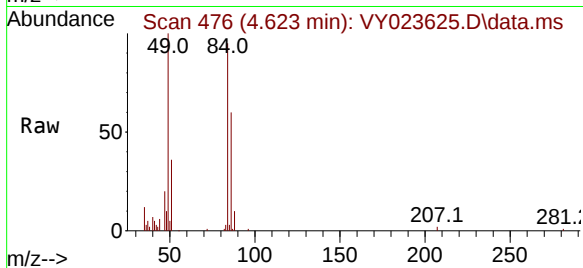




#20
Methylene Chloride
Concen: 5.772 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

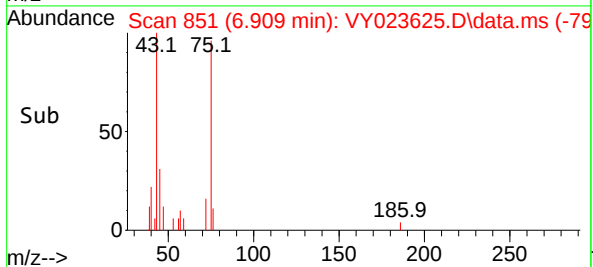
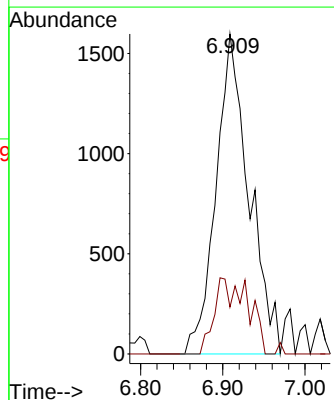
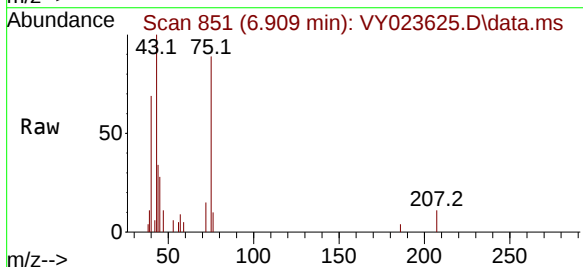
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84	Resp: 44991
Ion Ratio	Lower Upper
84 100	
49 105.4	80.2 120.4
51 37.8	25.9 38.9
86 63.6	50.6 75.8



#25
2-Butanone
Concen: 2.531 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

Tgt Ion: 43	Resp: 4455		
Ion Ratio	Lower	Upper	
43 100			
72 14.7	27.4	41.2#	

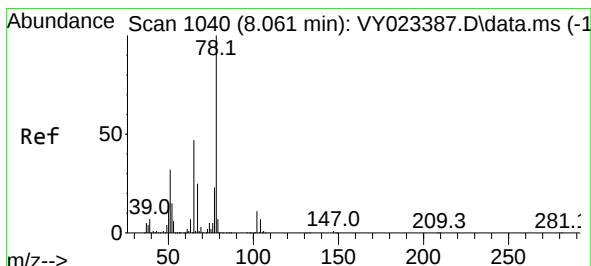
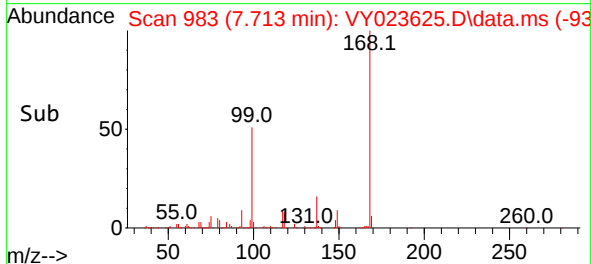
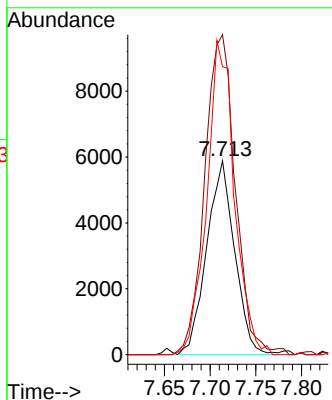
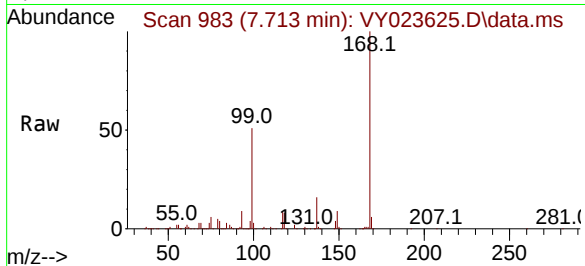




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

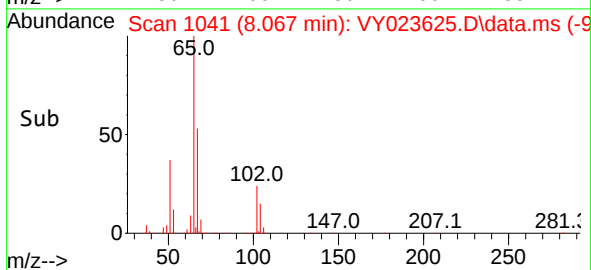
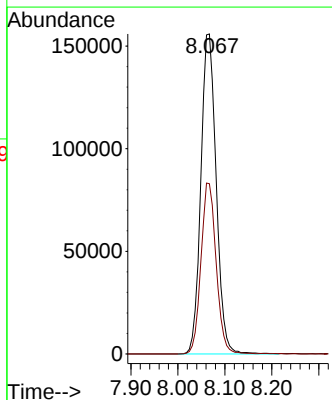
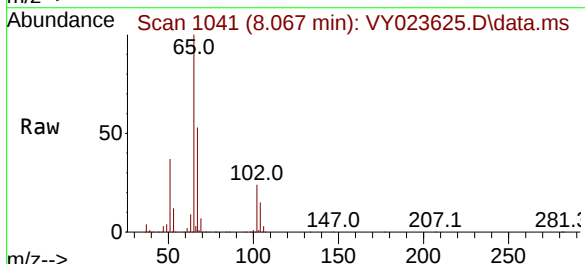
Instrument :
MSVOA_Y
ClientSampleId :

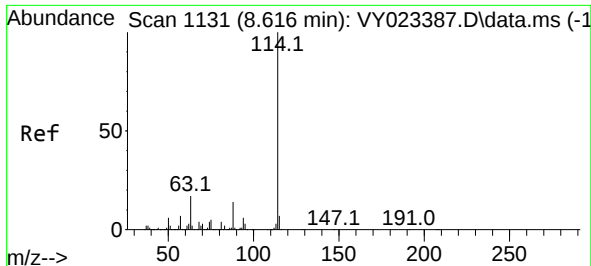
Tgt Ion: 56 Resp: 12536
Ion Ratio Lower Upper
56 100
69 163.0 30.0 45.0#
84 148.5 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 58.477 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

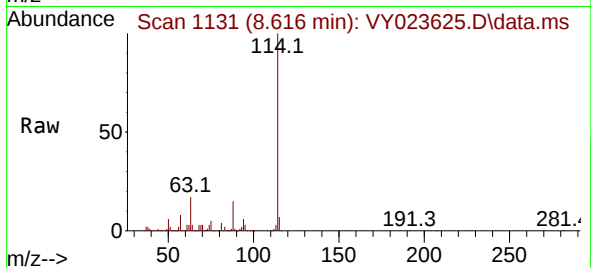
Tgt Ion: 65 Resp: 354098
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



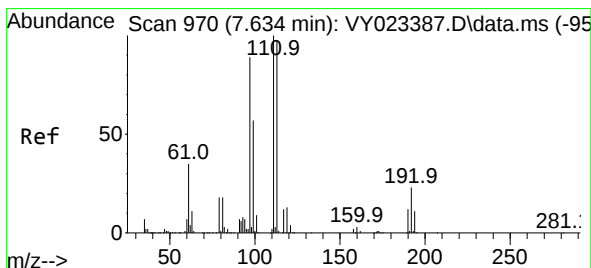
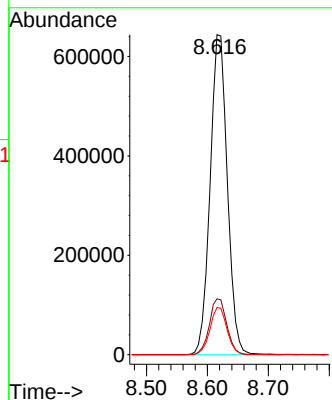
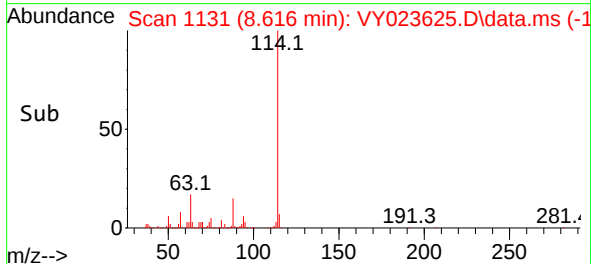


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

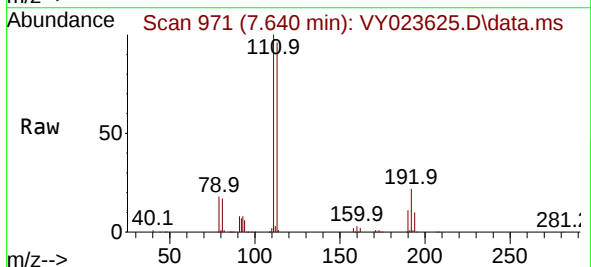
Instrument :
MSVOA_Y
ClientSampleId :



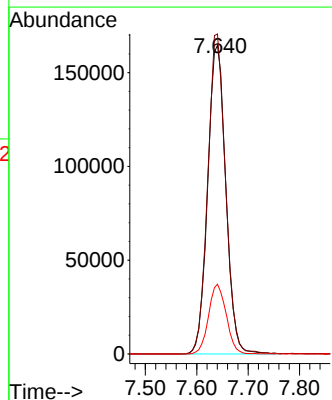
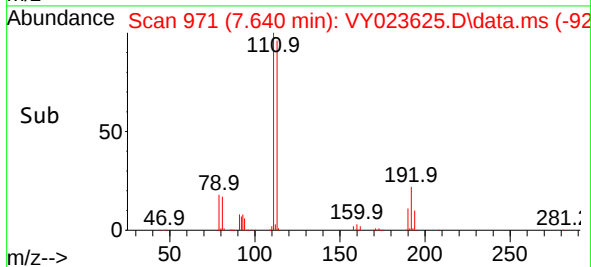
Tgt Ion:114 Resp: 1263625
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.2
88 14.8 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.995 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16



Tgt Ion:113 Resp: 403711
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023625.D

Acq: 30 Oct 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

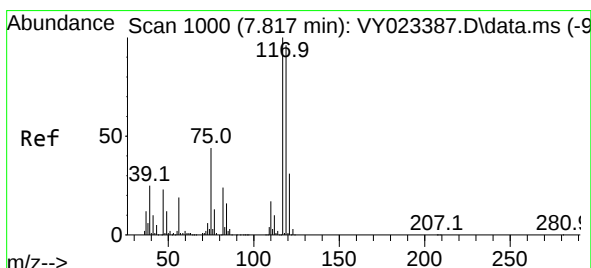
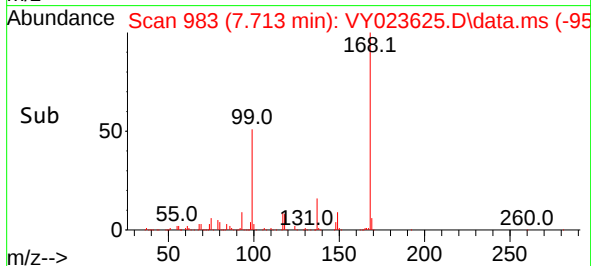
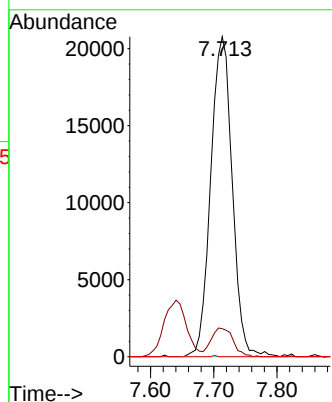
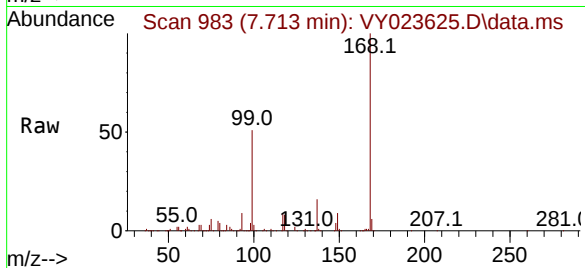
Tgt Ion: 75 Resp: 49016

Ion Ratio Lower Upper

75 100

110 9.0 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023625.D

Acq: 30 Oct 2025 12:16

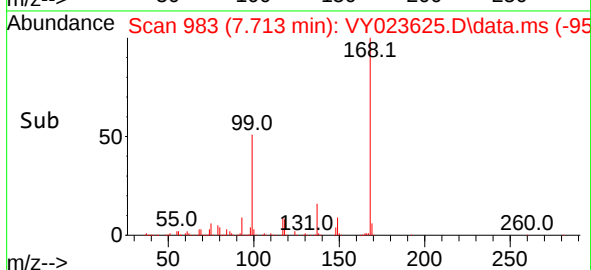
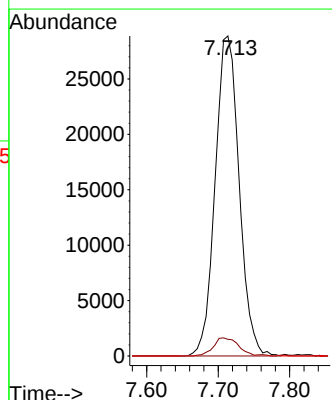
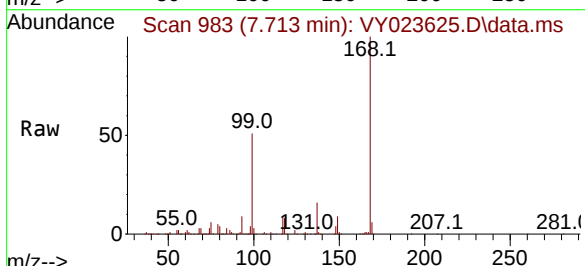
Tgt Ion: 117 Resp: 67228

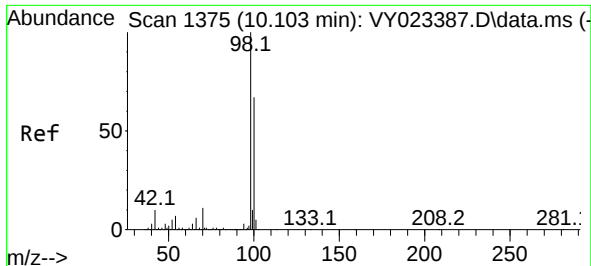
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#

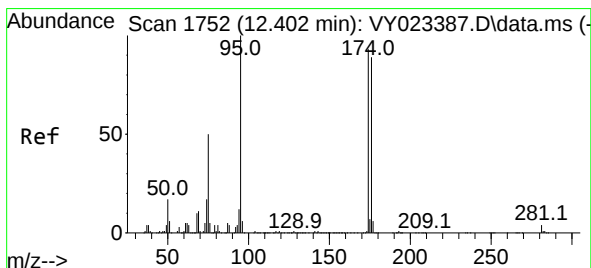
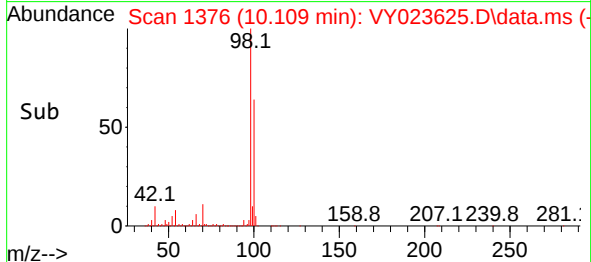
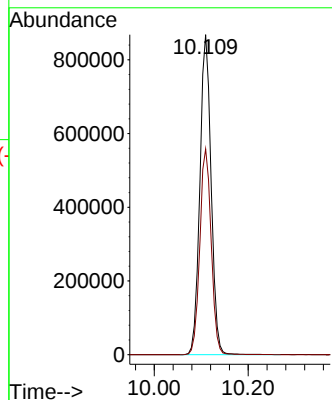
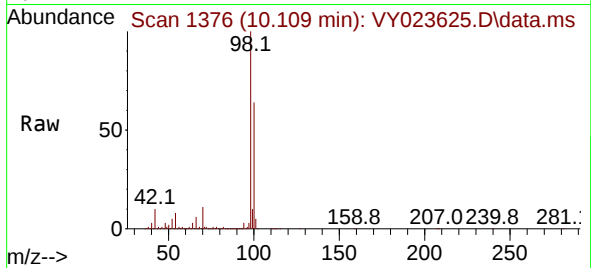




#50
Toluene-d8
Concen: 49.868 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

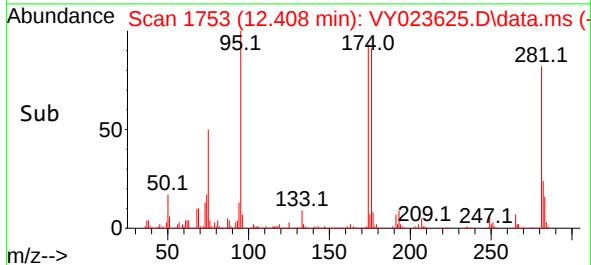
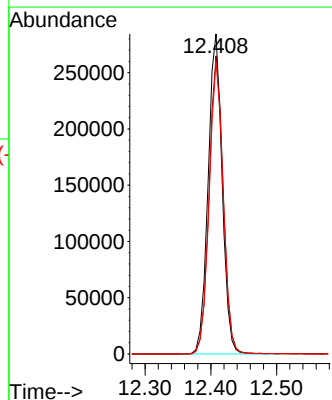
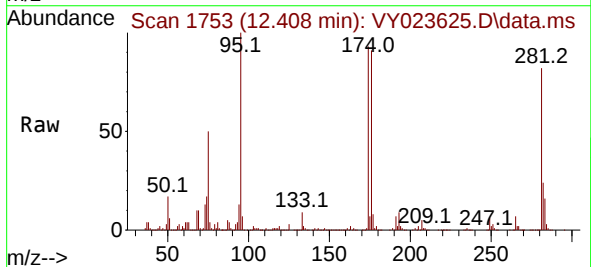
Instrument :
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ClientSampleId :

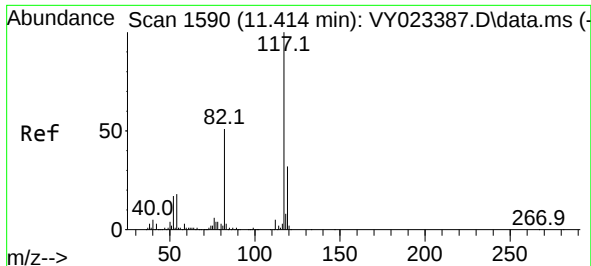
Tgt Ion: 98 Resp: 1441951
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.180 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

Tgt Ion: 95 Resp: 421758
Ion Ratio Lower Upper
95 100
174 94.2 0.0 192.8
176 91.6 0.0 187.6

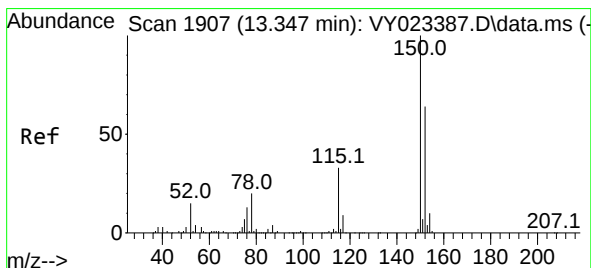
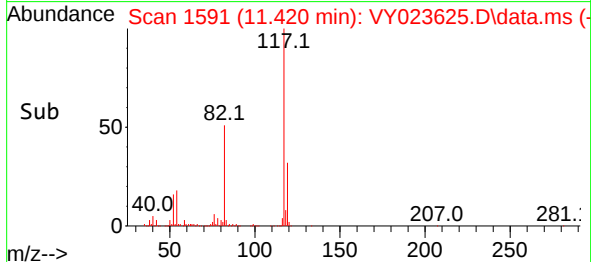
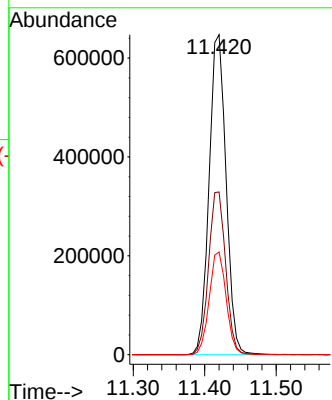
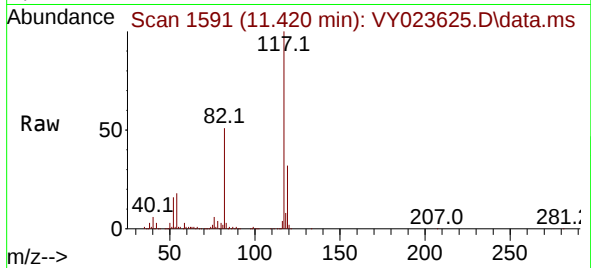




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

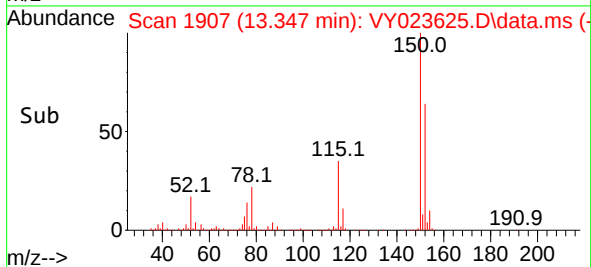
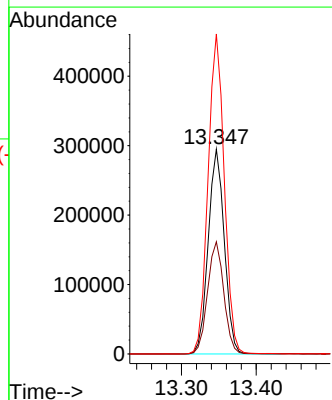
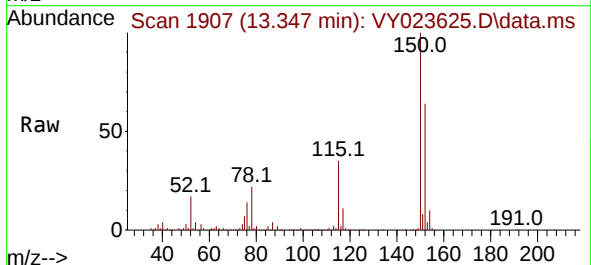
Instrument :
MSVOA_Y
ClientSampleId :

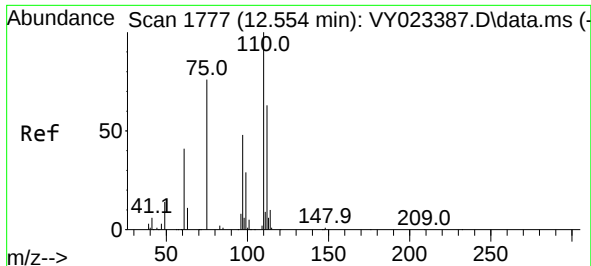
Tgt Ion:117 Resp: 1068498
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

Tgt Ion:152 Resp: 440695
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.2
150 157.4 0.0 347.4

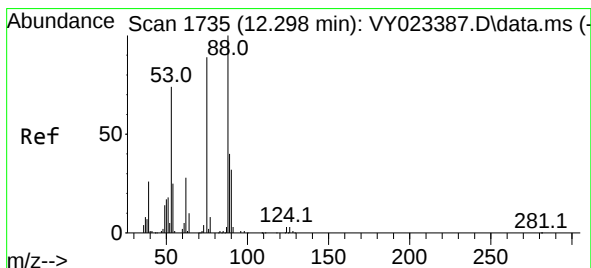
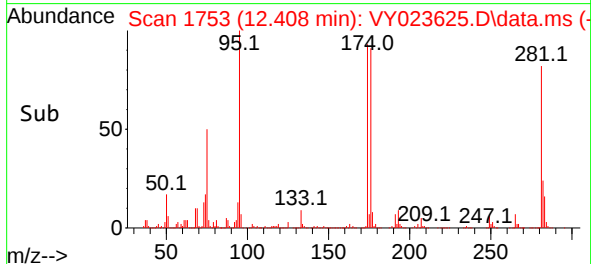
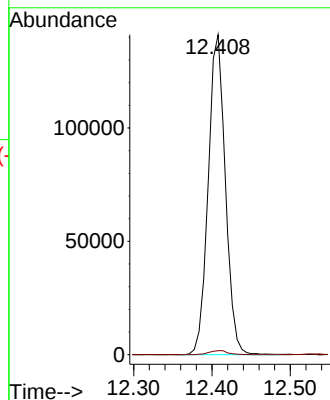
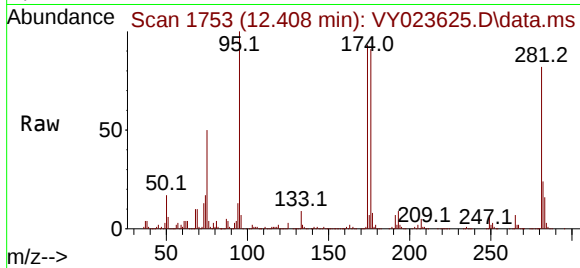




#76
1,2,3-Trichloropropane
Concen: 55.134 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

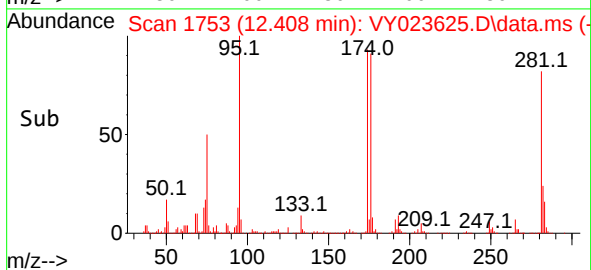
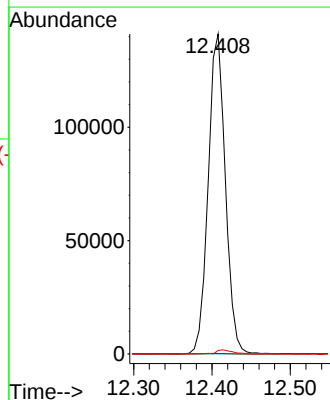
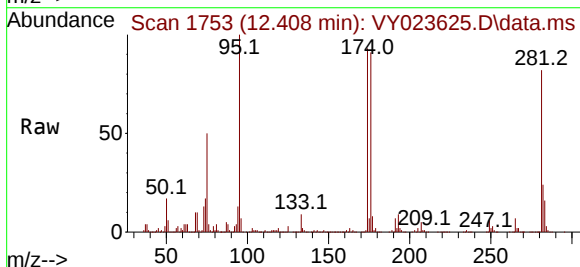
Instrument :
MSVOA_Y
ClientSampleId :

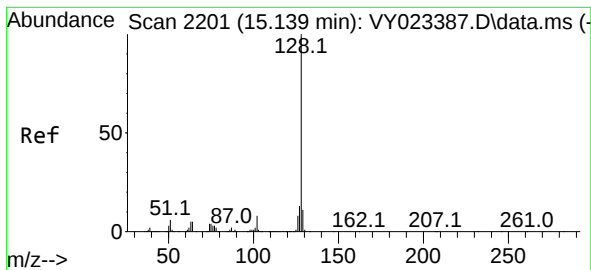
Tgt Ion: 75 Resp: 214368
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.200 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023625.D
Acq: 30 Oct 2025 12:16

Tgt Ion: 75 Resp: 214368
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 1.2 39.0 58.4#





#95

Naphthalene

Concen: 1.322 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

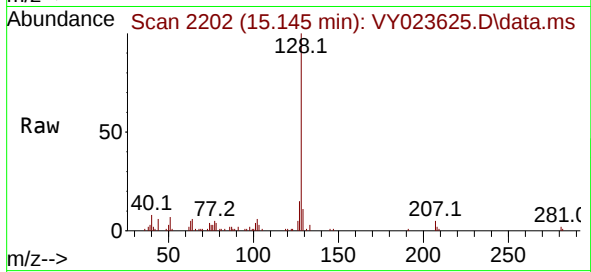
Lab File: VY023625.D

Acq: 30 Oct 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 17306

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

129 12.8 8.9 13.3

