

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021622.D
 Acq On : 24 Mar 2025 16:48
 Operator : SY/MD
 Sample : Q1633-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLG

Quant Time: Mar 25 01:31:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	206390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	381937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	348500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138061	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134165	61.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.000%
35) Dibromofluoromethane	7.634	113	134286	53.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.980%
50) Toluene-d8	10.109	98	474418	49.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.408	95	152100	47.040	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.080%

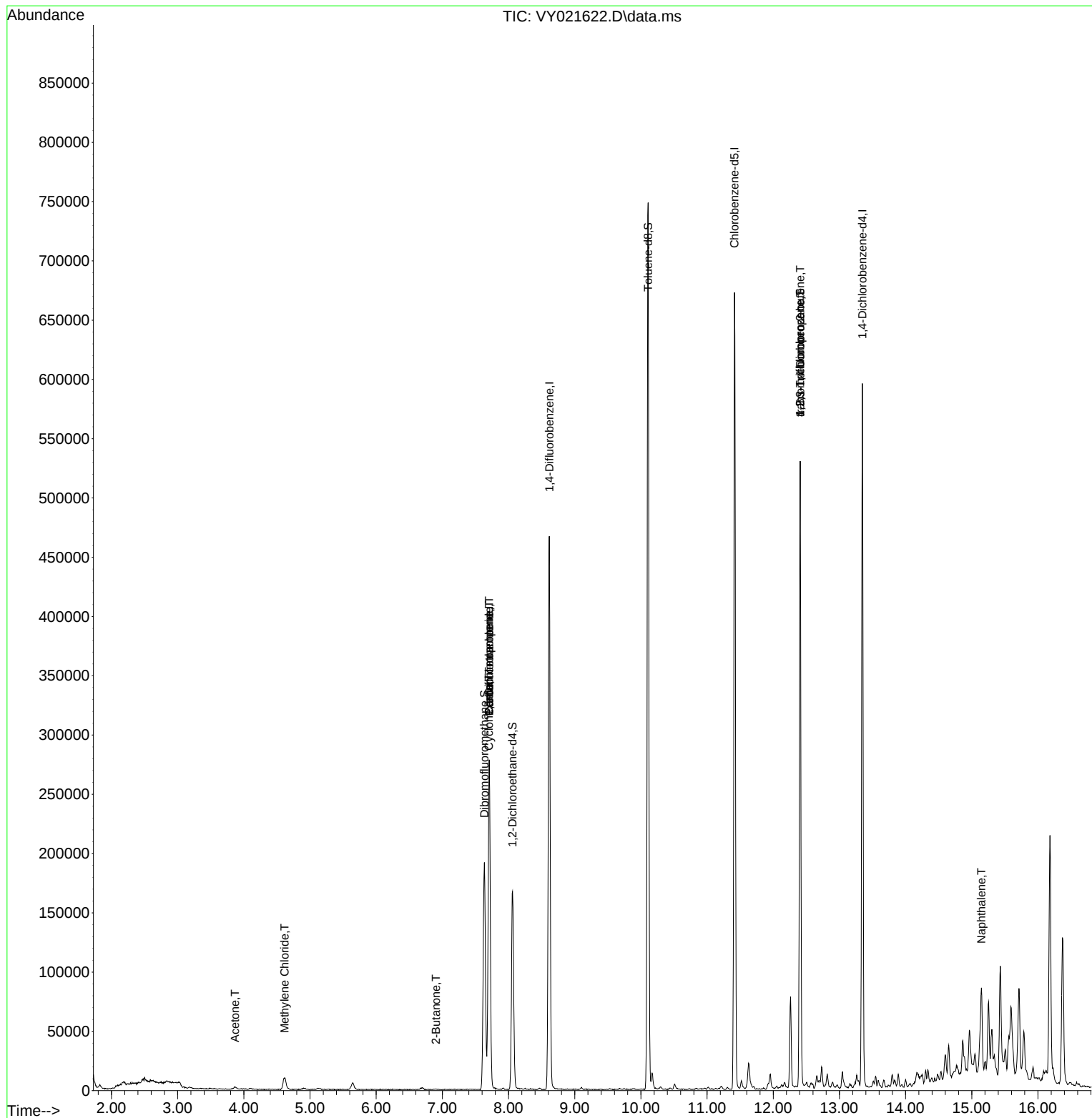
Target Compounds					Qvalue	
16) Acetone	3.866	43	3251	6.833	ug/l	93
20) Methylene Chloride	4.616	84	7286	2.917	ug/l	95
25) 2-Butanone	6.902	43	860	1.307	ug/l #	88
31) Cyclohexane	7.701	56	5038	1.233	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	17384	4.424	ug/l #	49
38) Carbon Tetrachloride	7.707	117	20889	4.622	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	80671	57.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80671	131.820	ug/l #	9
95) Naphthalene	15.145	128	42699	12.611	ug/l	96

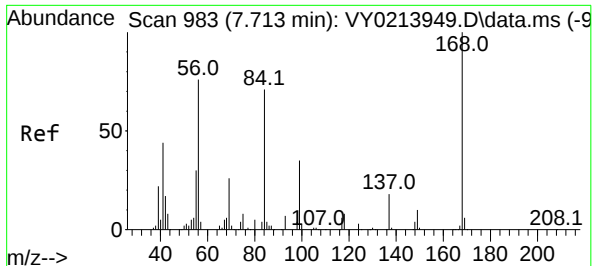
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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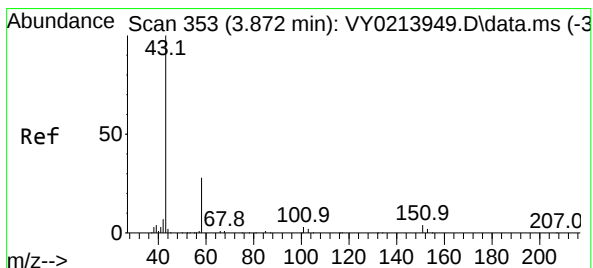
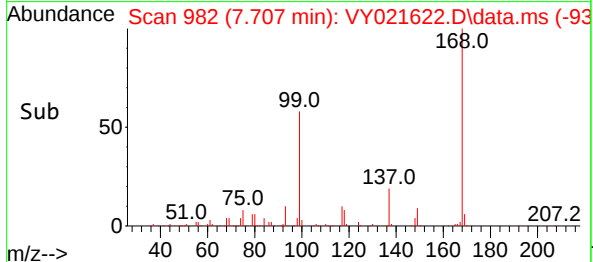
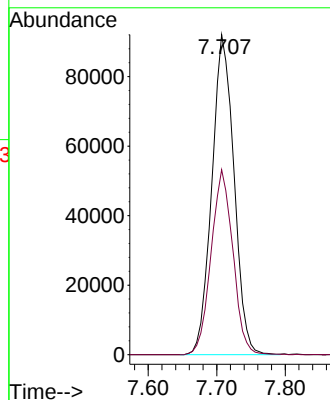
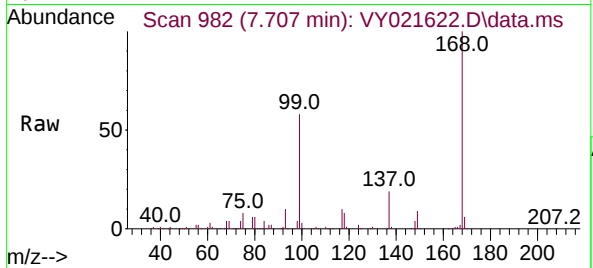




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

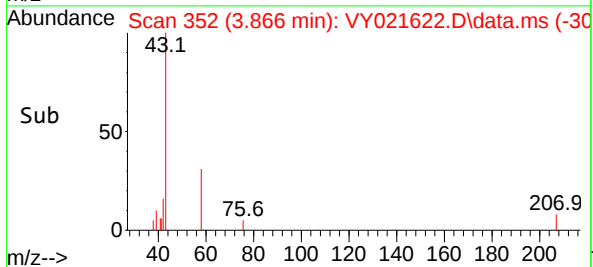
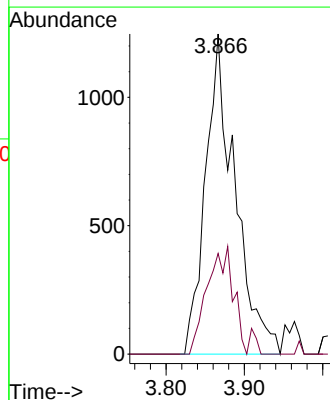
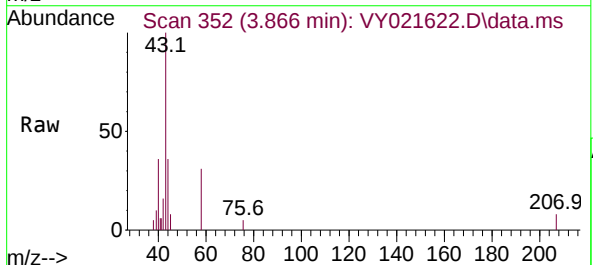
Instrument :
MSVOA_Y
ClientSampleId :
SLG

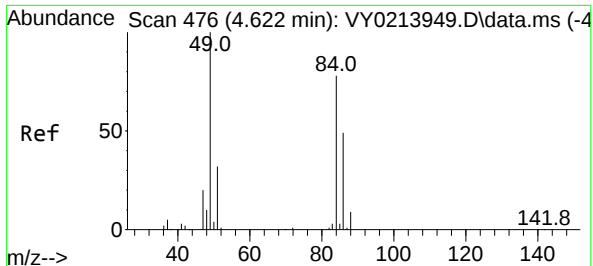
Tgt Ion:168 Resp: 206390
Ion Ratio Lower Upper
168 100
99 57.8 46.0 69.0



#16
Acetone
Concen: 6.833 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
58 31.4 22.1 33.1

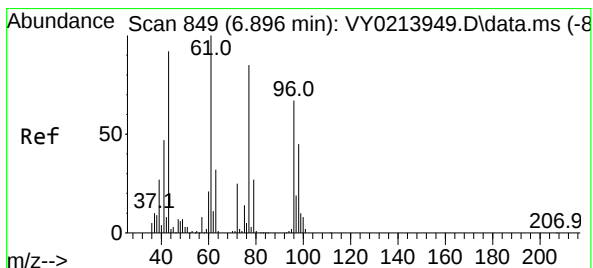
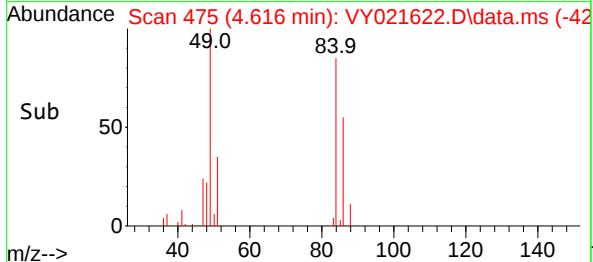
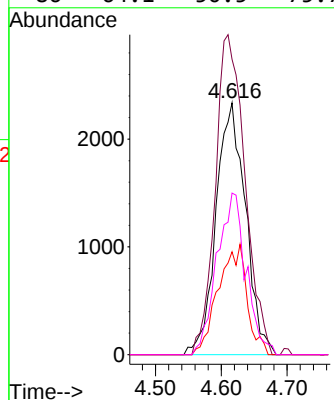
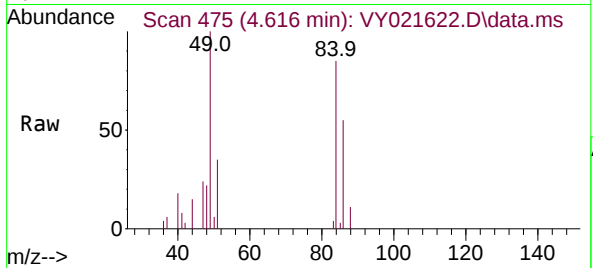




#20
Methylene Chloride
Concen: 2.917 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

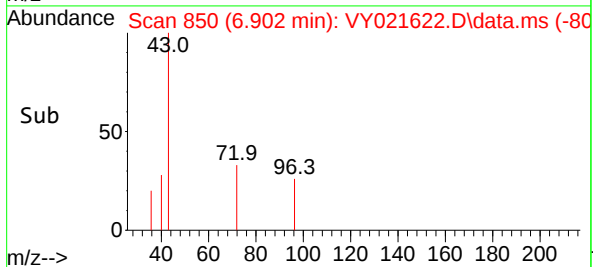
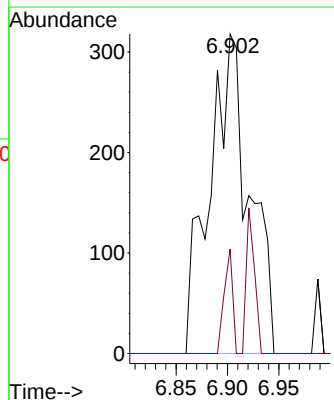
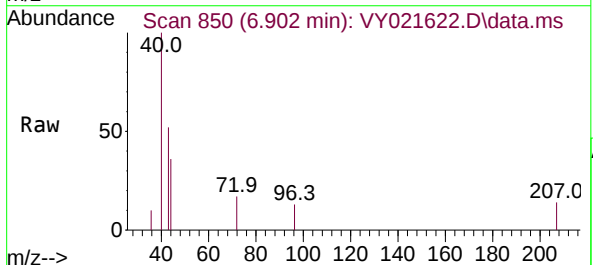
Instrument :
MSVOA_Y
ClientSampleId :
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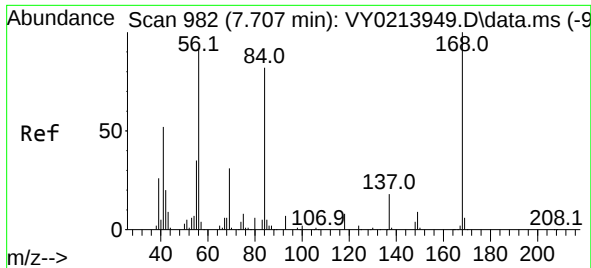
Tgt Ion:	84	Resp:	7286
Ion	Ratio	Lower	Upper
84	100		
49	117.2	102.0	153.0
51	40.8	33.0	49.6
86	64.1	50.5	75.7



#25
2-Butanone
Concen: 1.307 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion:	43	Resp:	860
Ion	Ratio	Lower	Upper
43	100		
72	32.7	21.4	32.0#

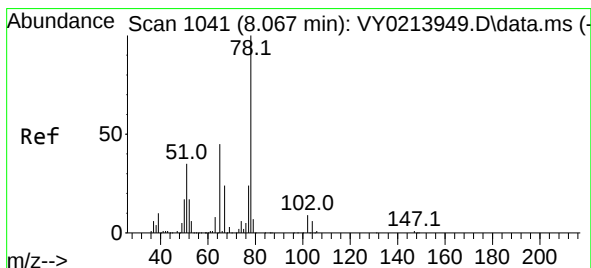
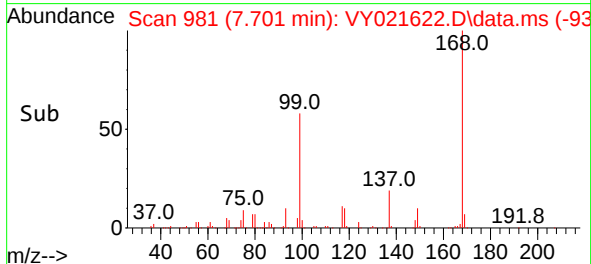
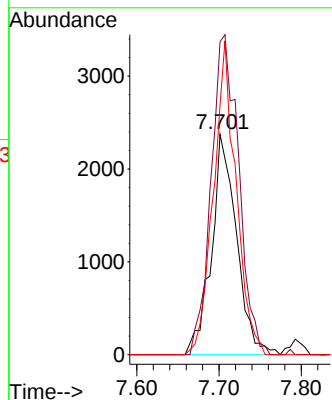
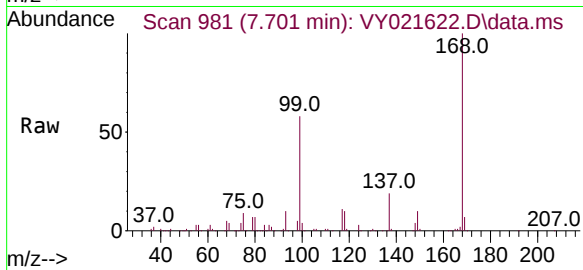




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

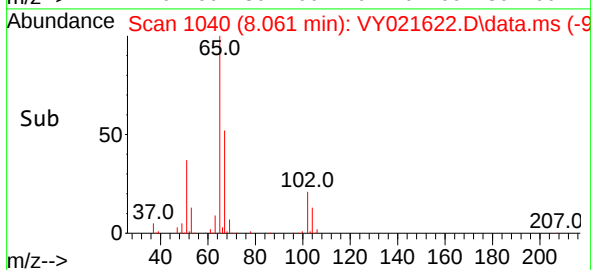
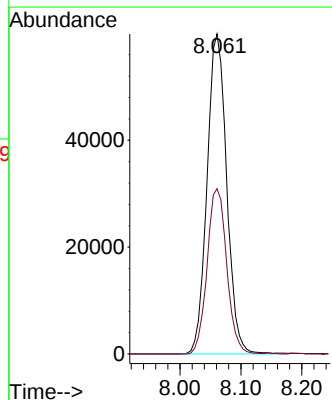
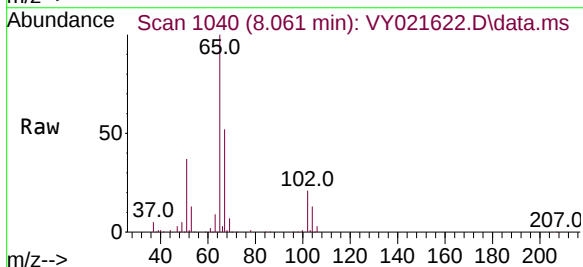
Instrument :
MSVOA_Y
ClientSampleId :
SLG

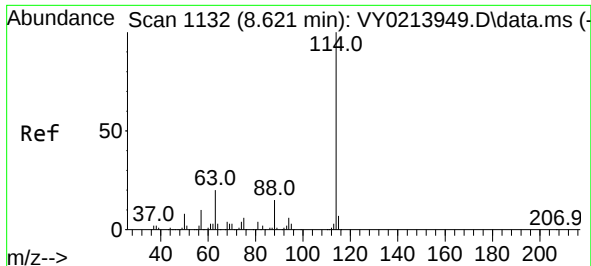
Tgt Ion: 56 Resp: 5038
Ion Ratio Lower Upper
56 100
69 142.0 27.0 40.4#
84 113.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.504 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion: 65 Resp: 134165
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.8

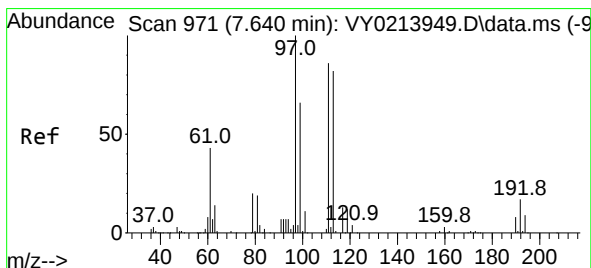
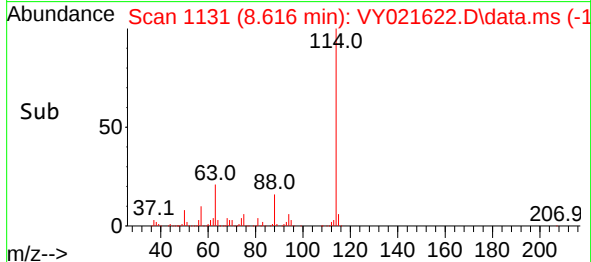
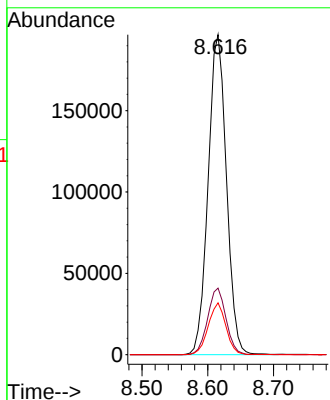
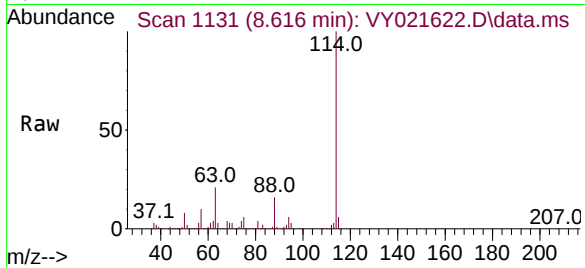




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

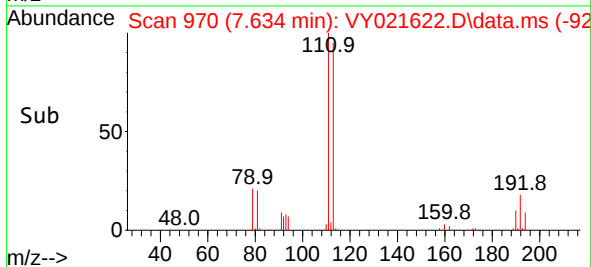
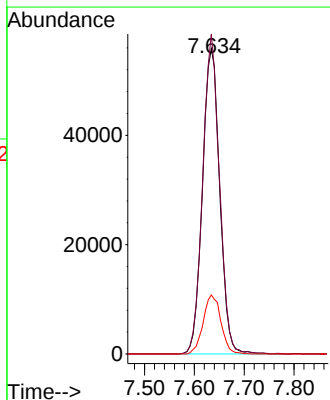
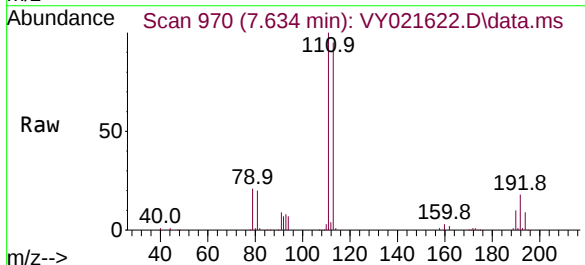
Instrument :
MSVOA_Y
ClientSampleId :
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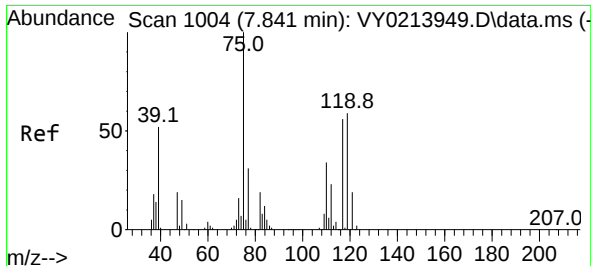
Tgt Ion:114 Resp: 381937
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.2 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.489 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion:113 Resp: 134286
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 19.8 15.9 23.9

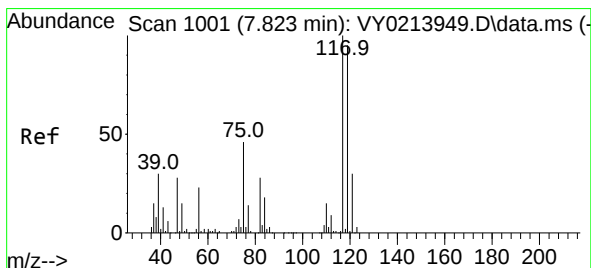
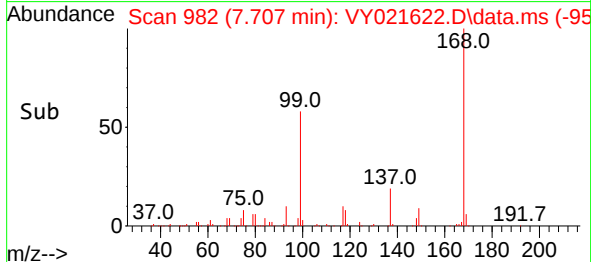
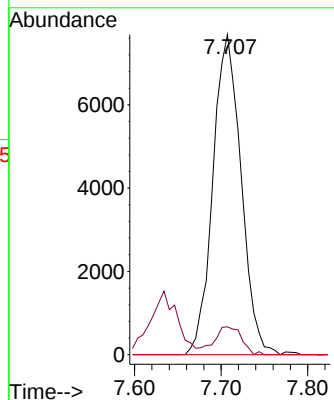
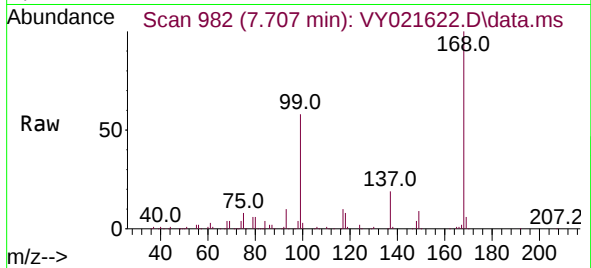




#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

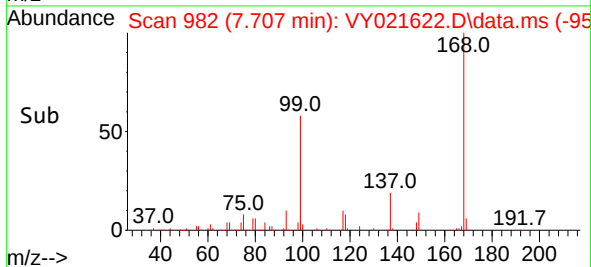
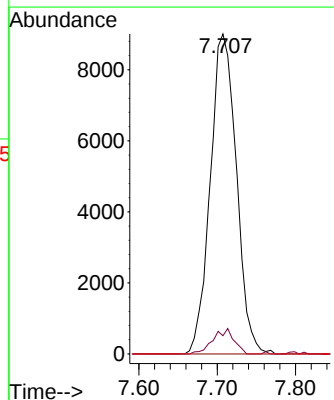
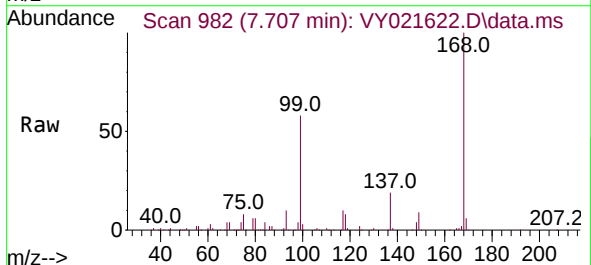
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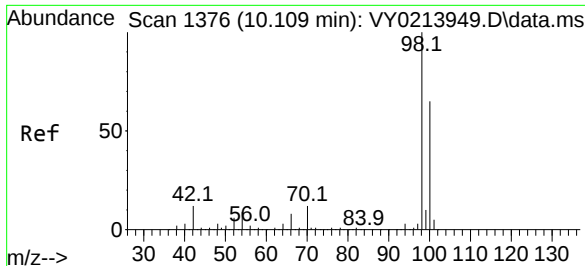
Tgt Ion: 75 Resp: 17384
Ion Ratio Lower Upper
75 100
110 8.3 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.622 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion: 117 Resp: 20889
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 23.9 35.9#

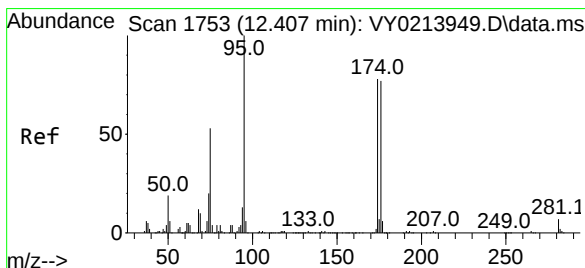
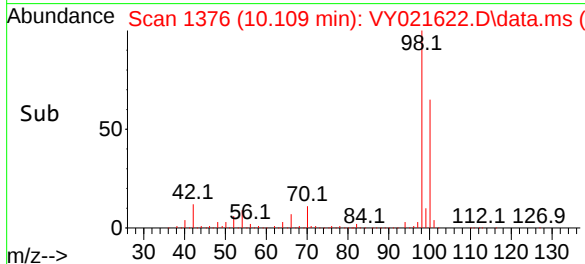
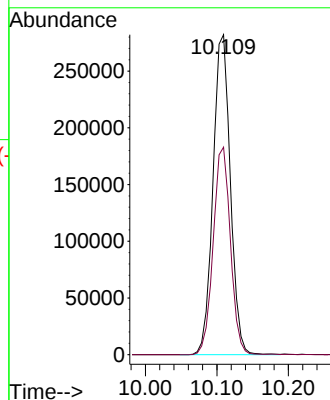
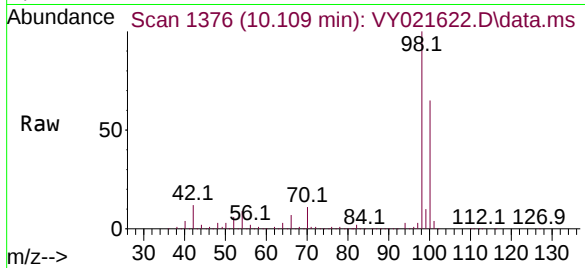




#50
Toluene-d8
Concen: 49.909 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

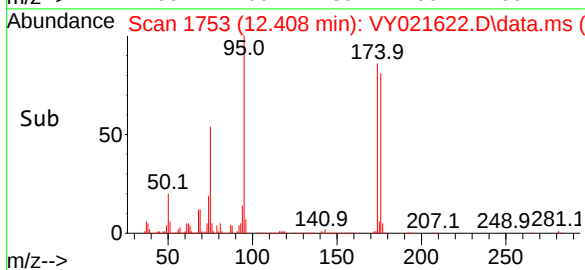
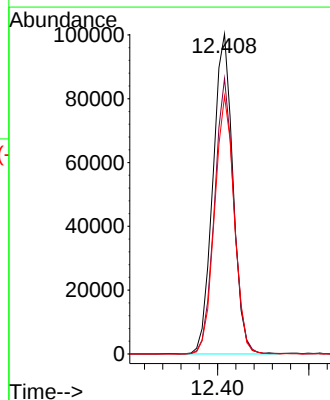
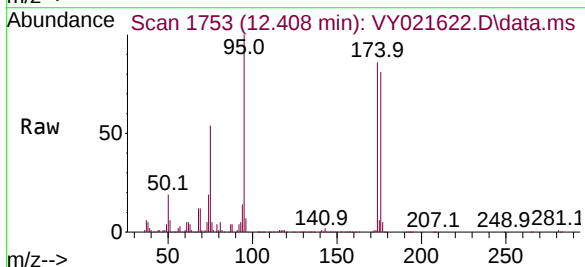
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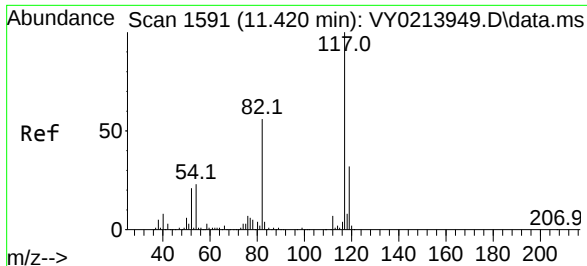
Tgt Ion: 98 Resp: 474418
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.040 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion: 95 Resp: 152100
Ion Ratio Lower Upper
95 100
174 83.5 0.0 165.0
176 79.2 0.0 160.0

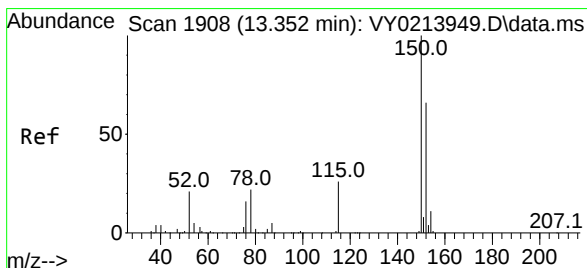
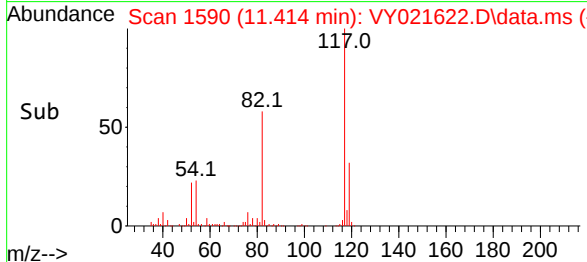
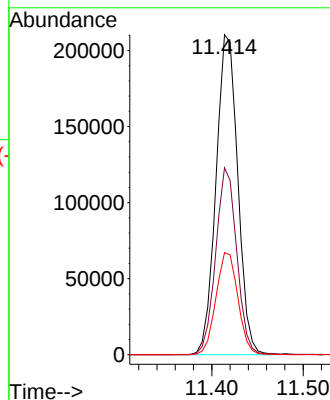
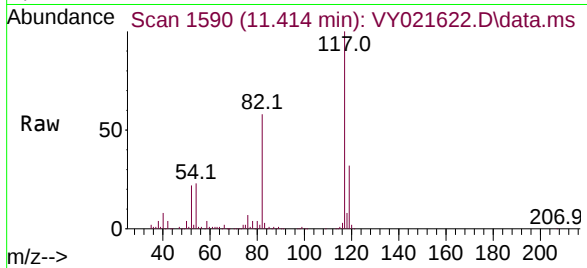




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

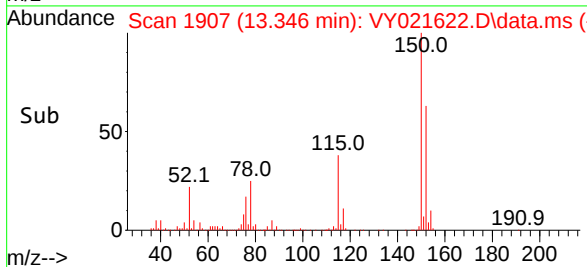
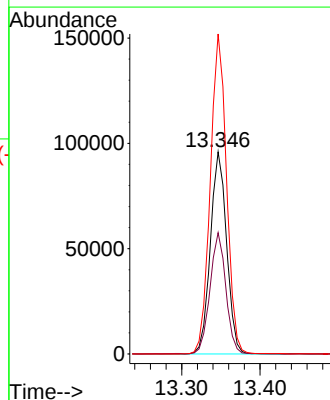
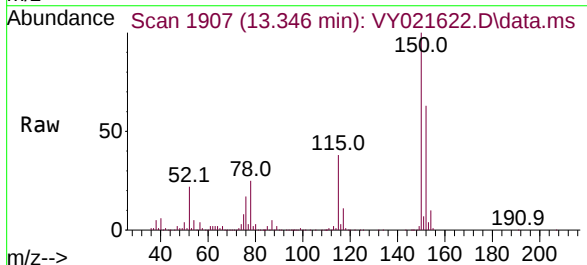
Instrument :
MSVOA_Y
ClientSampleId :
SLG

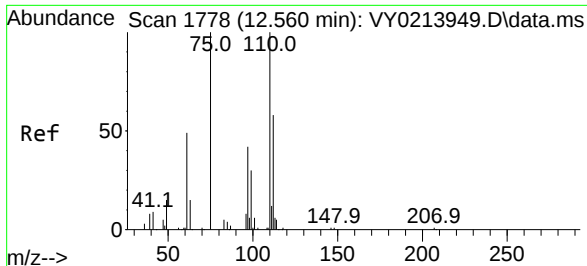
Tgt Ion:117 Resp: 348500
Ion Ratio Lower Upper
117 100
82 58.4 44.6 67.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion:152 Resp: 138061
Ion Ratio Lower Upper
152 100
115 58.7 29.0 87.0
150 158.1 0.0 347.2

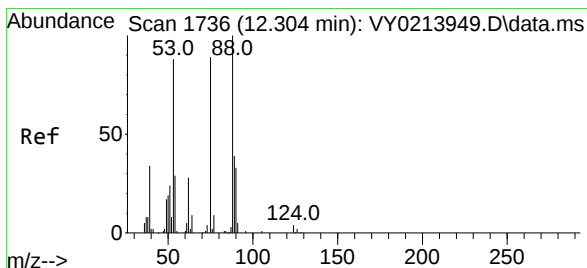
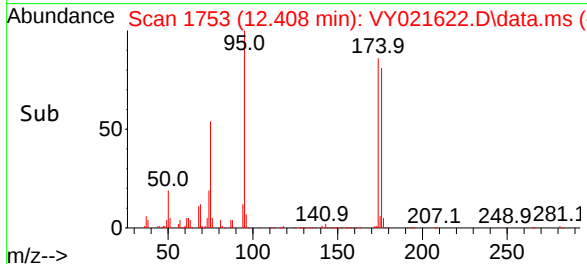
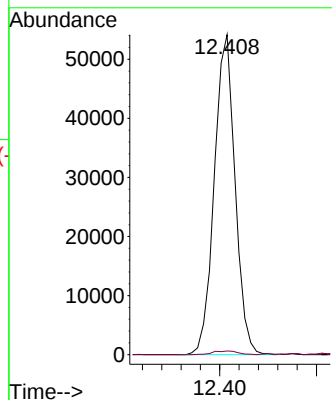
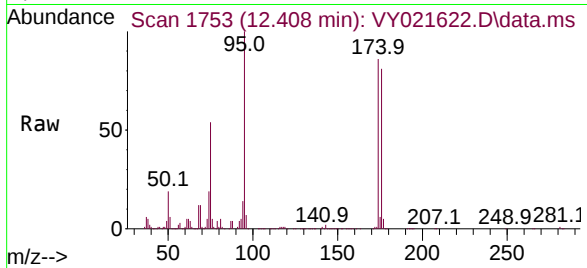




#76
1,2,3-Trichloropropane
Concen: 57.986 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

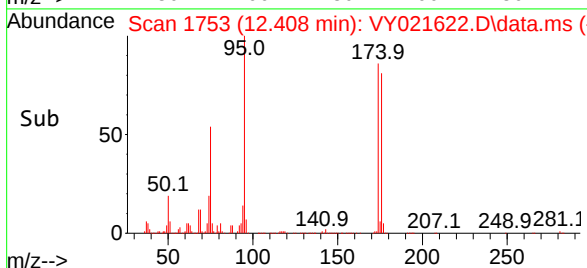
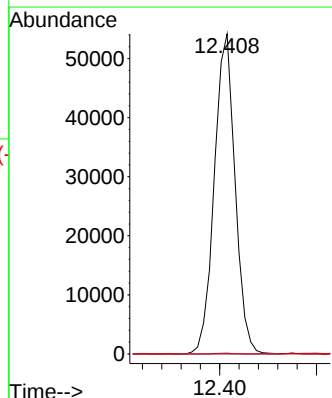
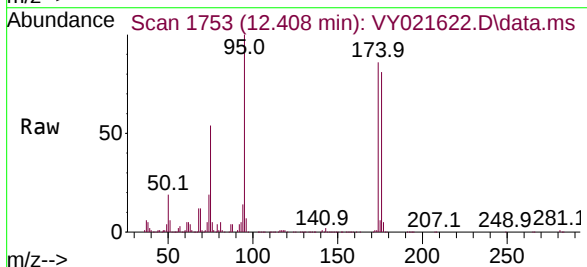
Instrument :
MSVOA_Y
ClientSampleId :
SLG

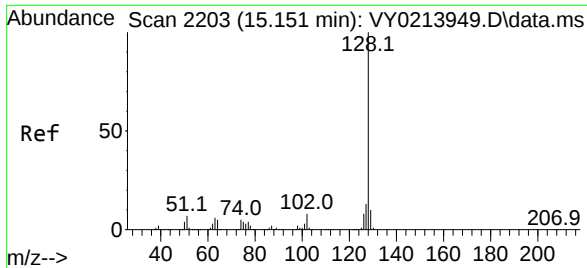
Tgt Ion: 75 Resp: 80671
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.820 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Tgt Ion: 75 Resp: 80671
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 12.611 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021622.D
Acq: 24 Mar 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
SLG

Tgt Ion:	128	Resp:	42699
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	15.8
129	12.1	8.6	13.0

