

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021427.D
 Acq On : 06 Mar 2025 11:59
 Operator : SY/MD
 Sample : VY0306SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBL01

Quant Time: Mar 07 00:38:51 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	249443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156000	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154096	58.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.900%
35) Dibromofluoromethane	7.634	113	154971	51.151	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.300%
50) Toluene-d8	10.109	98	558007	48.643	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.408	95	170007	43.568	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.140%

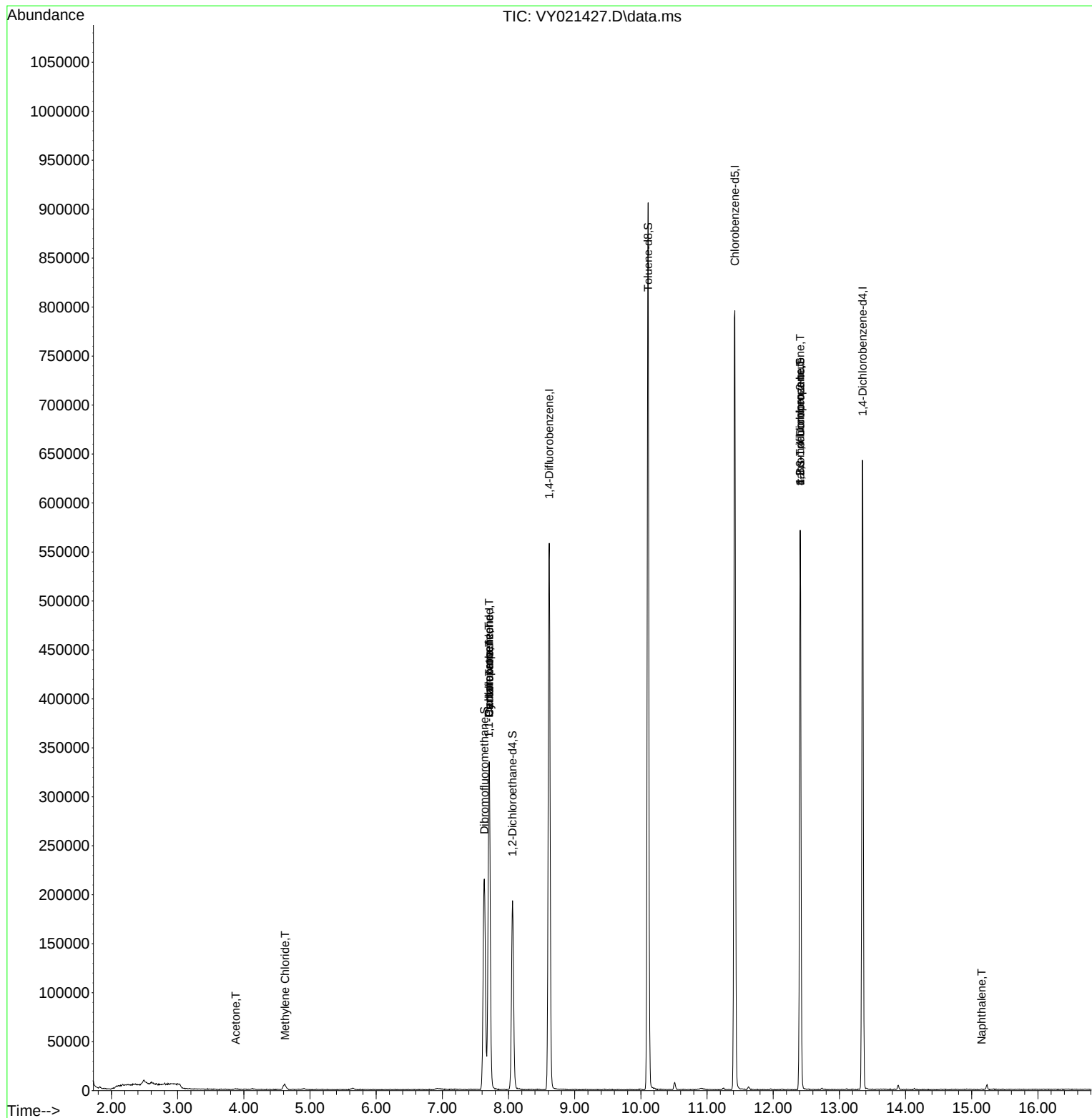
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	144	Below Cal	#	72
16) Acetone	3.879	43	1134	1.972	ug/l	97
20) Methylene Chloride	4.622	84	3555	1.178	ug/l #	74
31) Cyclohexane	7.707	56	6410	1.298	ug/l #	34
36) 1,1-Dichloropropene	7.701	75	22123	4.665	ug/l #	50
38) Carbon Tetrachloride	7.707	117	26650	4.886	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	90645	57.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	90645	131.085	ug/l #	9
95) Naphthalene	15.151	128	424	1.549	ug/l #	75

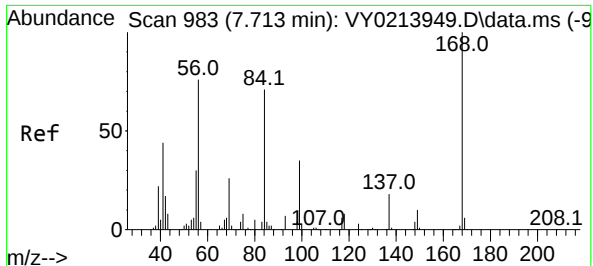
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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Response via : Initial Calibration

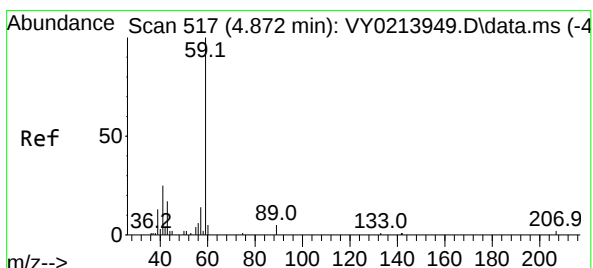
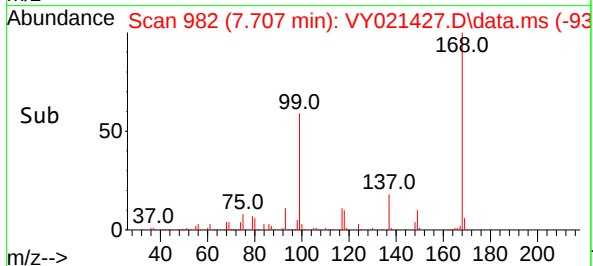
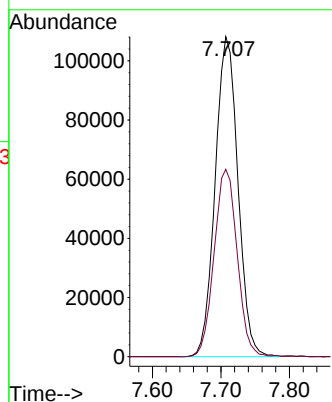
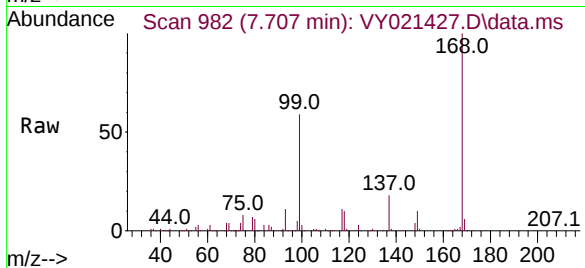




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

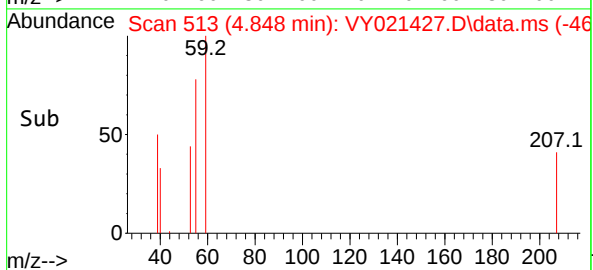
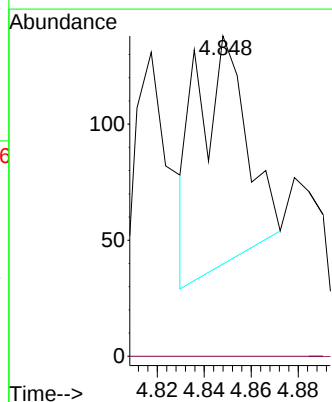
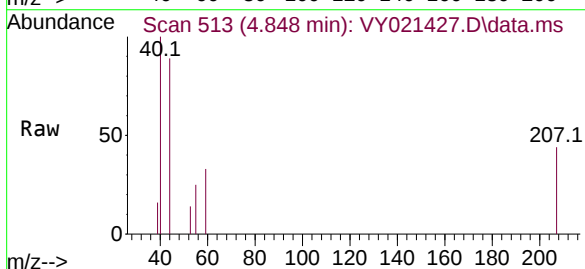
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

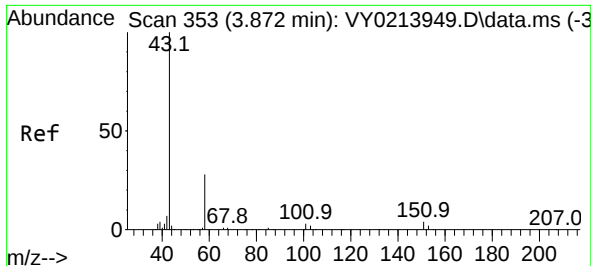
Tgt Ion:168 Resp: 249443
Ion Ratio Lower Upper
168 100
99 58.6 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

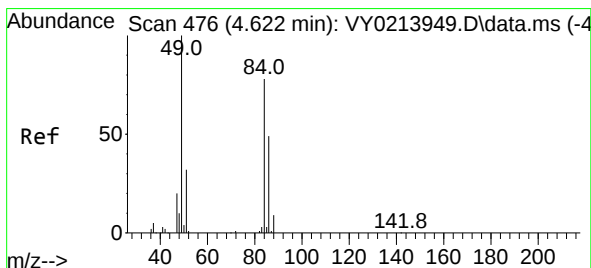
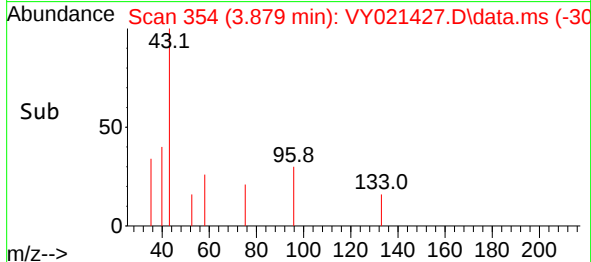
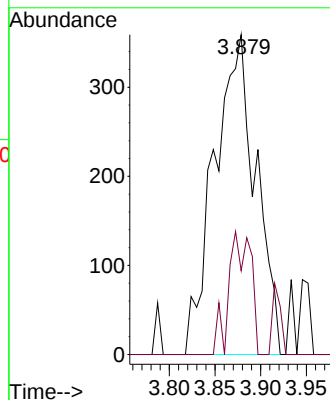
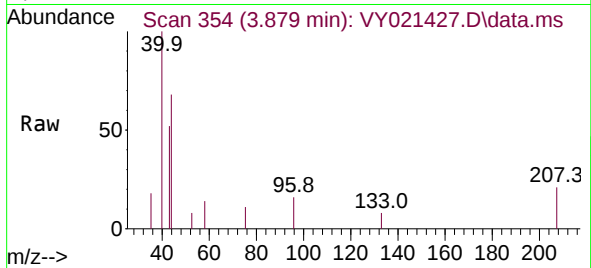




#16
Acetone
Concen: 1.972 ug/l
RT: 3.879 min Scan# 311
Delta R.T. 0.007 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

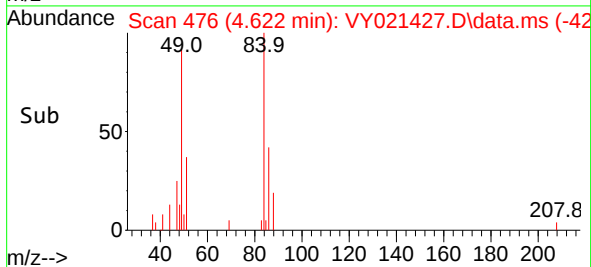
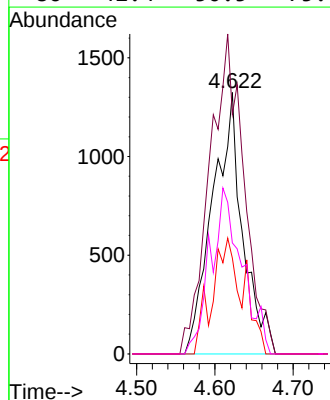
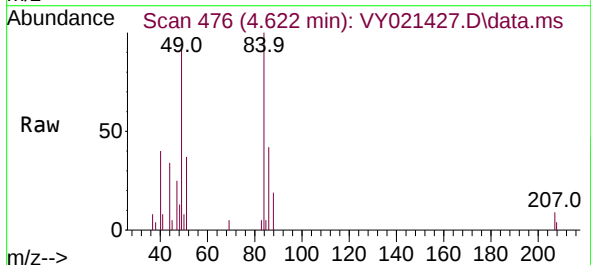
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

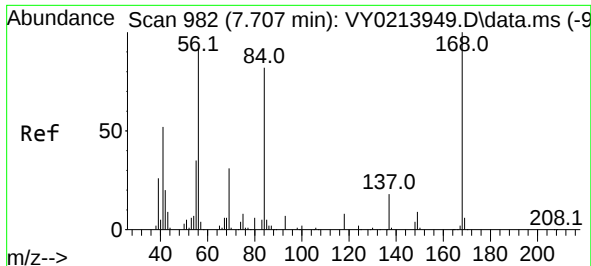
Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1



#20
Methylene Chloride
Concen: 1.178 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 84 Resp: 3555
Ion Ratio Lower Upper
84 100
49 91.6 102.0 153.0#
51 36.6 33.0 49.6
86 42.4 50.5 75.7#

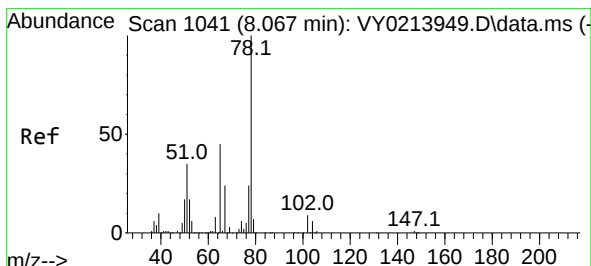
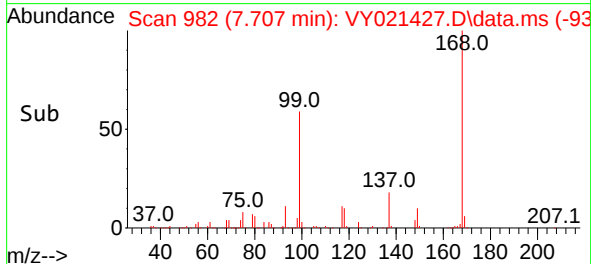
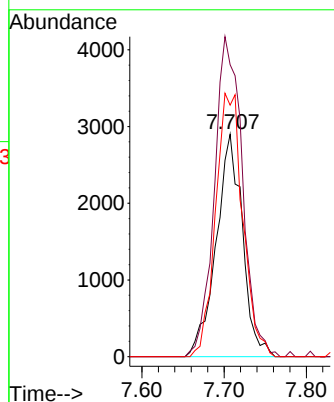
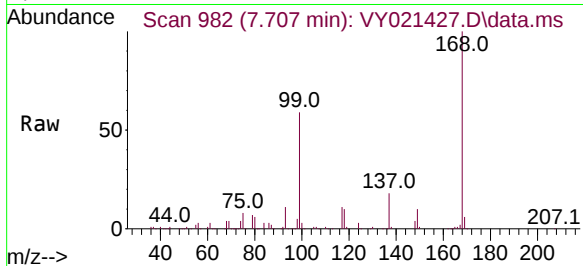




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

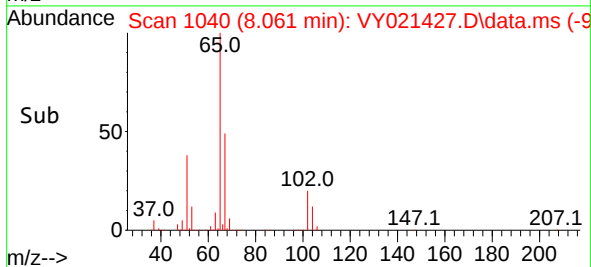
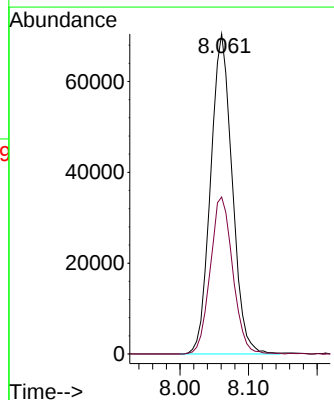
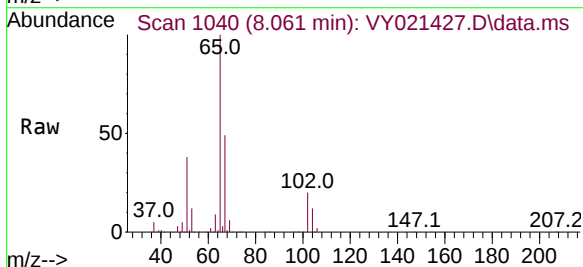
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

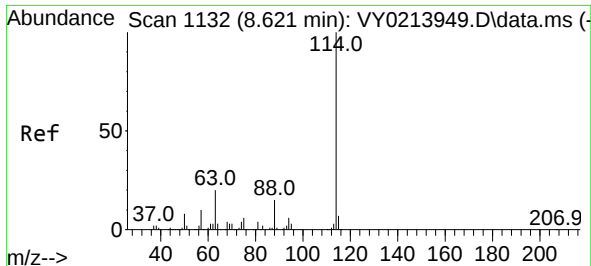
Tgt Ion: 56 Resp: 6410
Ion Ratio Lower Upper
56 100
69 131.3 27.0 40.4#
84 113.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 65 Resp: 154096
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8

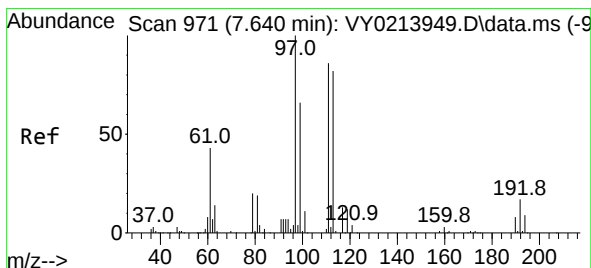
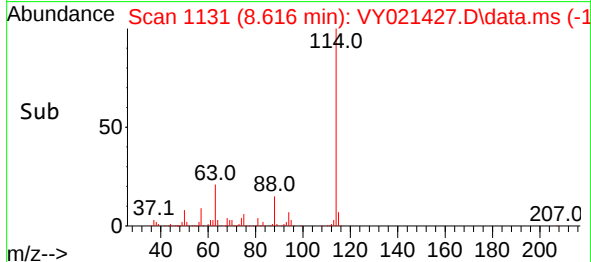
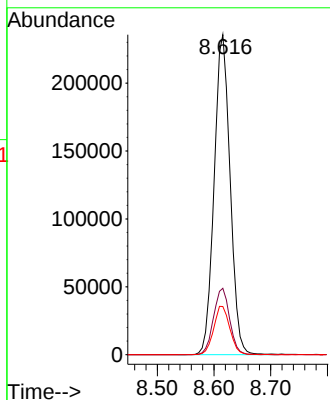
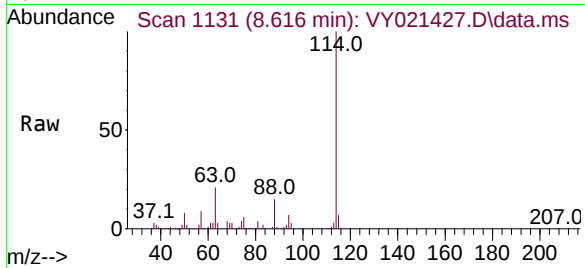




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

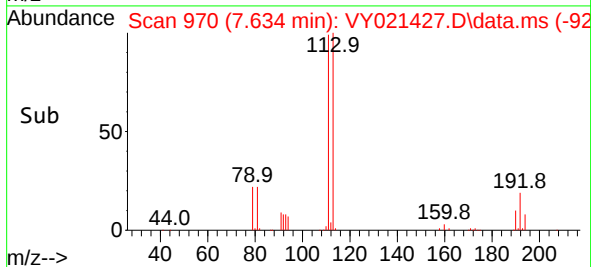
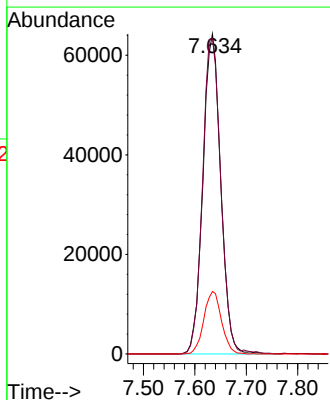
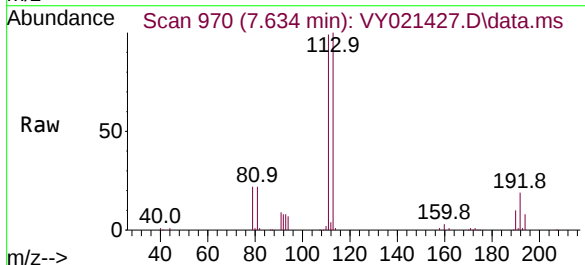
Instrument :
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ClientSampleId :
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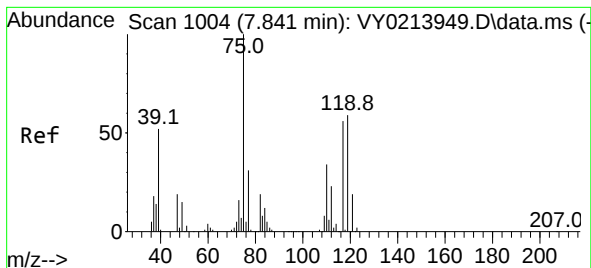
Tgt Ion:114 Resp: 460921
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:113 Resp: 154971
Ion Ratio Lower Upper
113 100
111 100.9 82.0 123.0
192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBL01

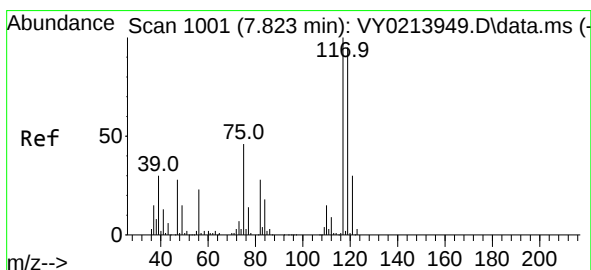
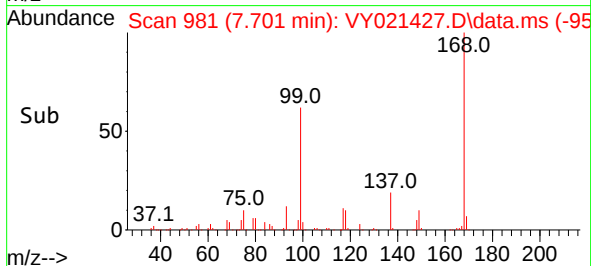
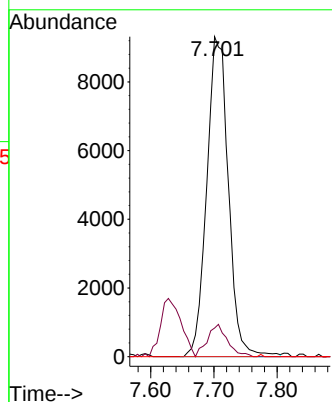
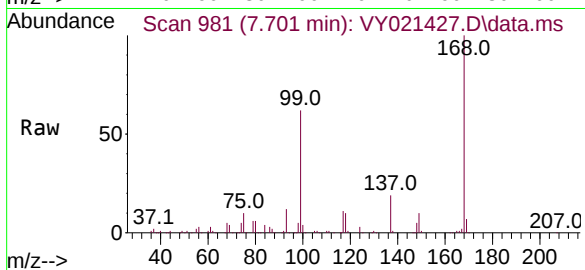
Tgt Ion: 75 Resp: 22123

Ion Ratio Lower Upper

75 100

110 9.3 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.886 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

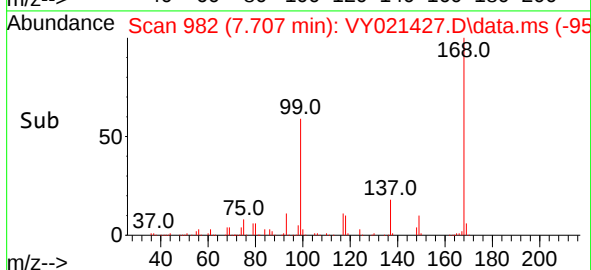
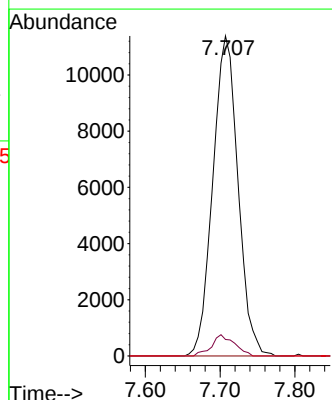
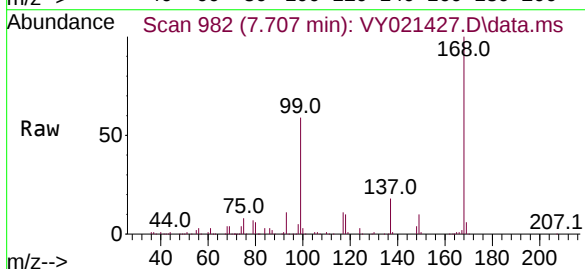
Tgt Ion: 117 Resp: 26650

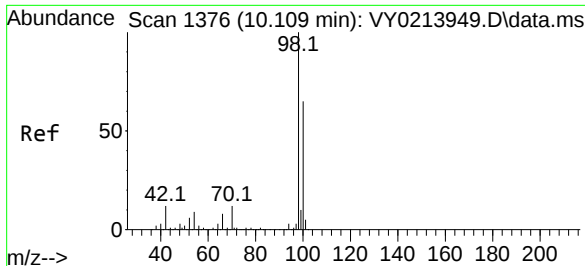
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 23.9 35.9#

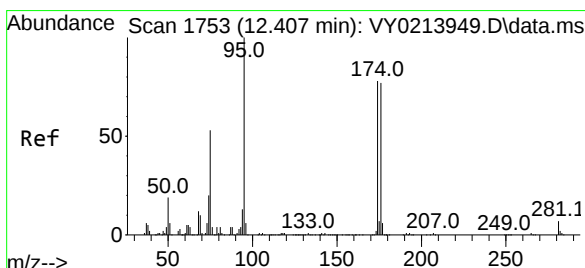
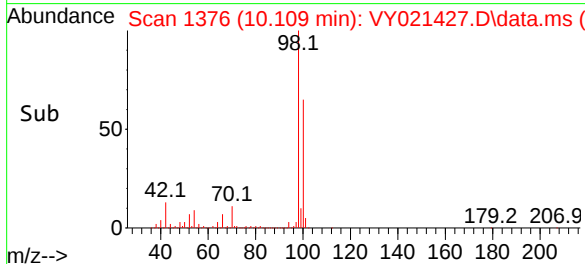
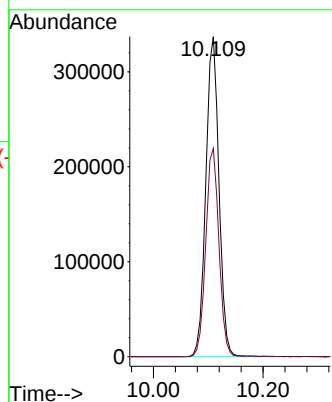
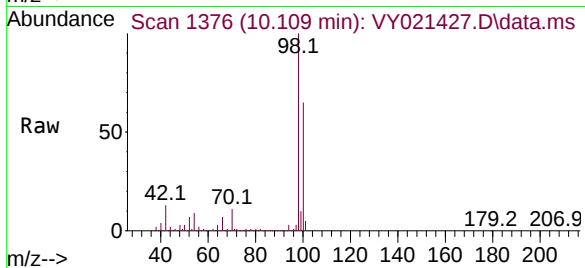




#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

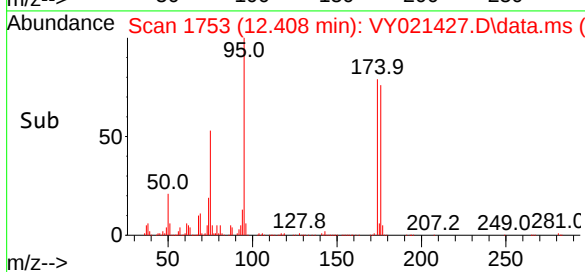
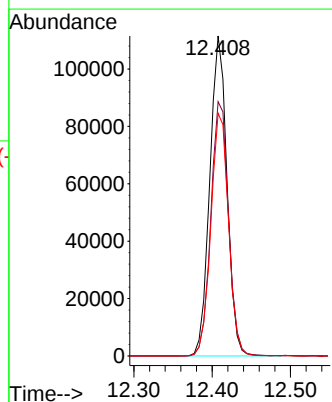
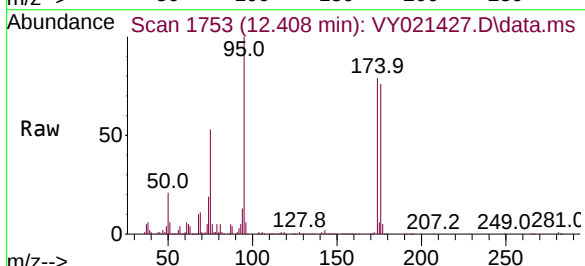
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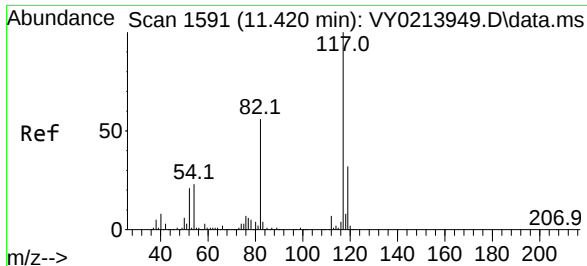
Tgt Ion: 98 Resp: 558007
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 95 Resp: 170007
Ion Ratio Lower Upper
95 100
174 81.5 0.0 165.0
176 77.8 0.0 160.0

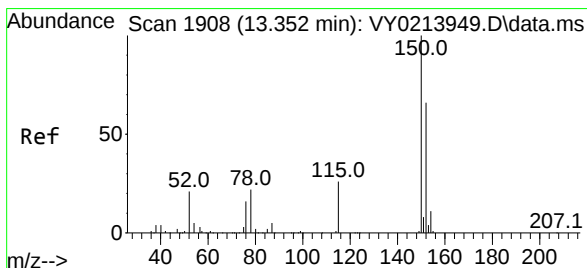
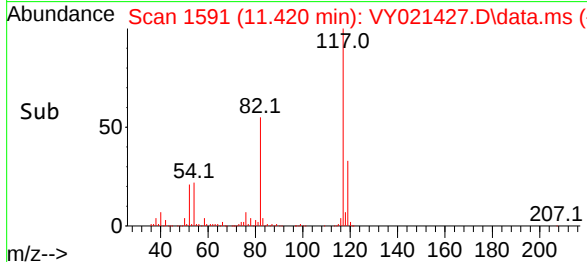
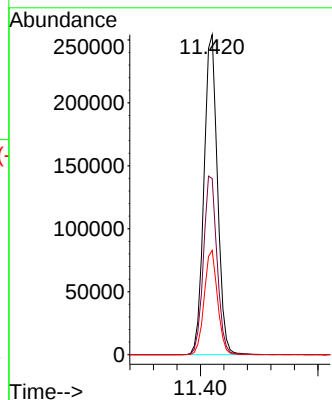
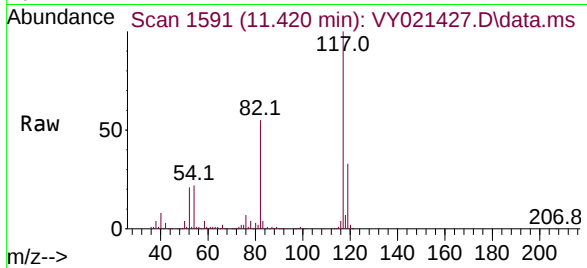




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

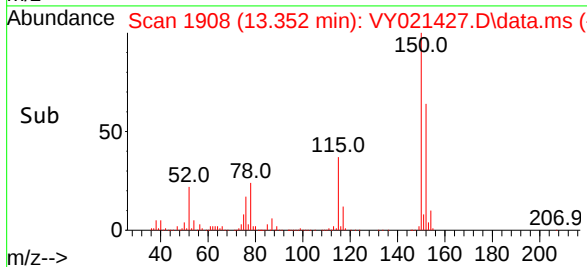
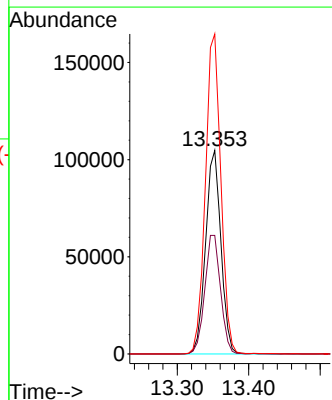
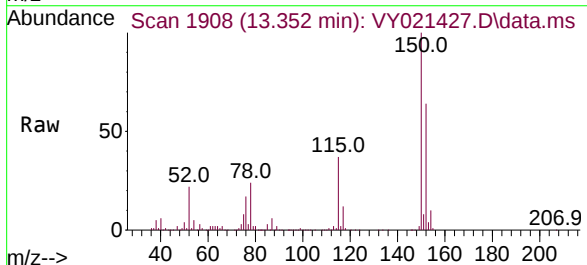
Instrument :
MSVOA_Y
ClientSampleId :
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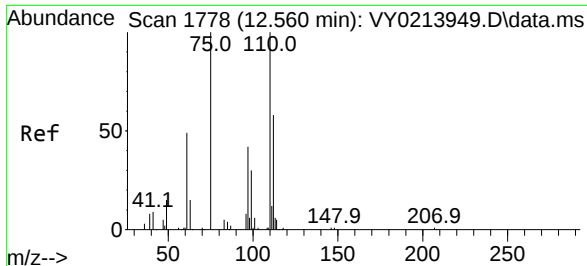
Tgt Ion:117 Resp: 405928
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:152 Resp: 156000
Ion Ratio Lower Upper
152 100
115 59.9 29.0 87.0
150 158.2 0.0 347.2

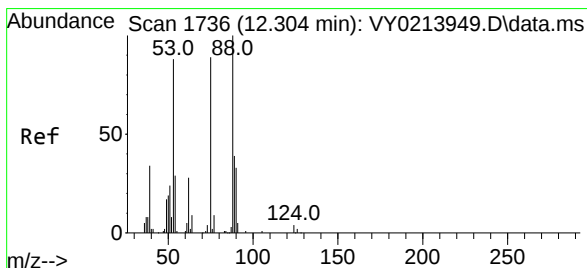
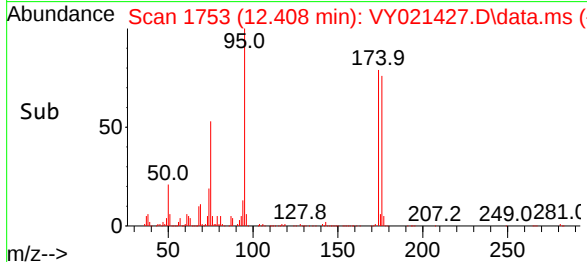
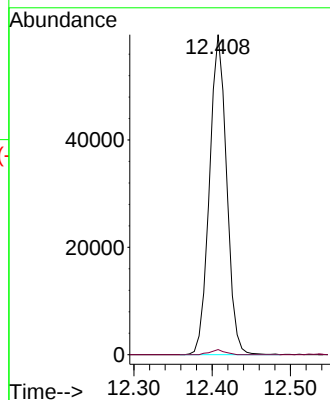
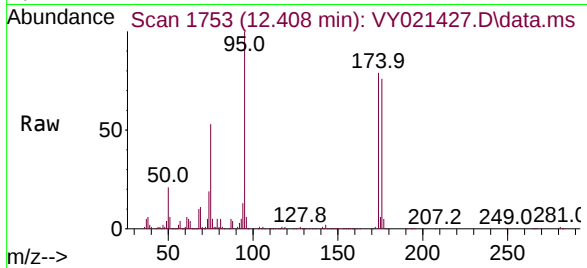




#76
1,2,3-Trichloropropane
Concen: 57.663 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

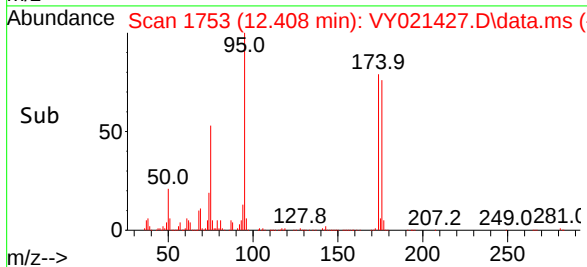
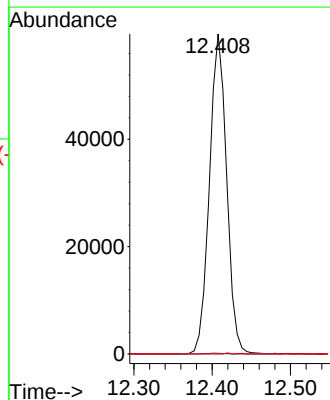
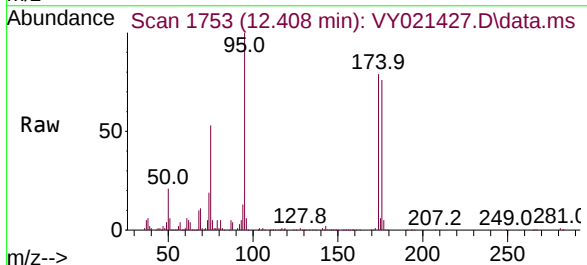
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

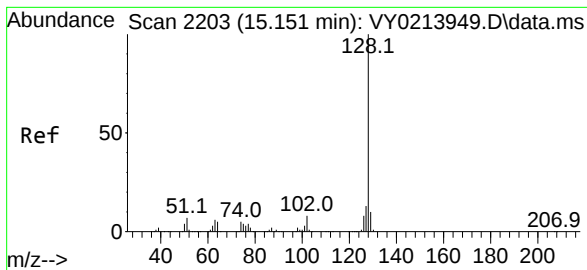
Tgt Ion: 75 Resp: 90645
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.085 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 75 Resp: 90645
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#





#95
 Naphthalene
 Concen: 1.549 ug/l
 RT: 15.151 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY021427.D
 Acq: 06 Mar 2025 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBL01

Tgt Ion:128 Resp: 424
 Ion Ratio Lower Upper
 128 100
 127 4.5 10.6 15.8#
 129 0.0 8.6 13.0#

