

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021873.D
 Acq On : 14 Apr 2025 16:37
 Operator : SY/MD
 Sample : Q1791-07
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 290502

Quant Time: Apr 14 23:33:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

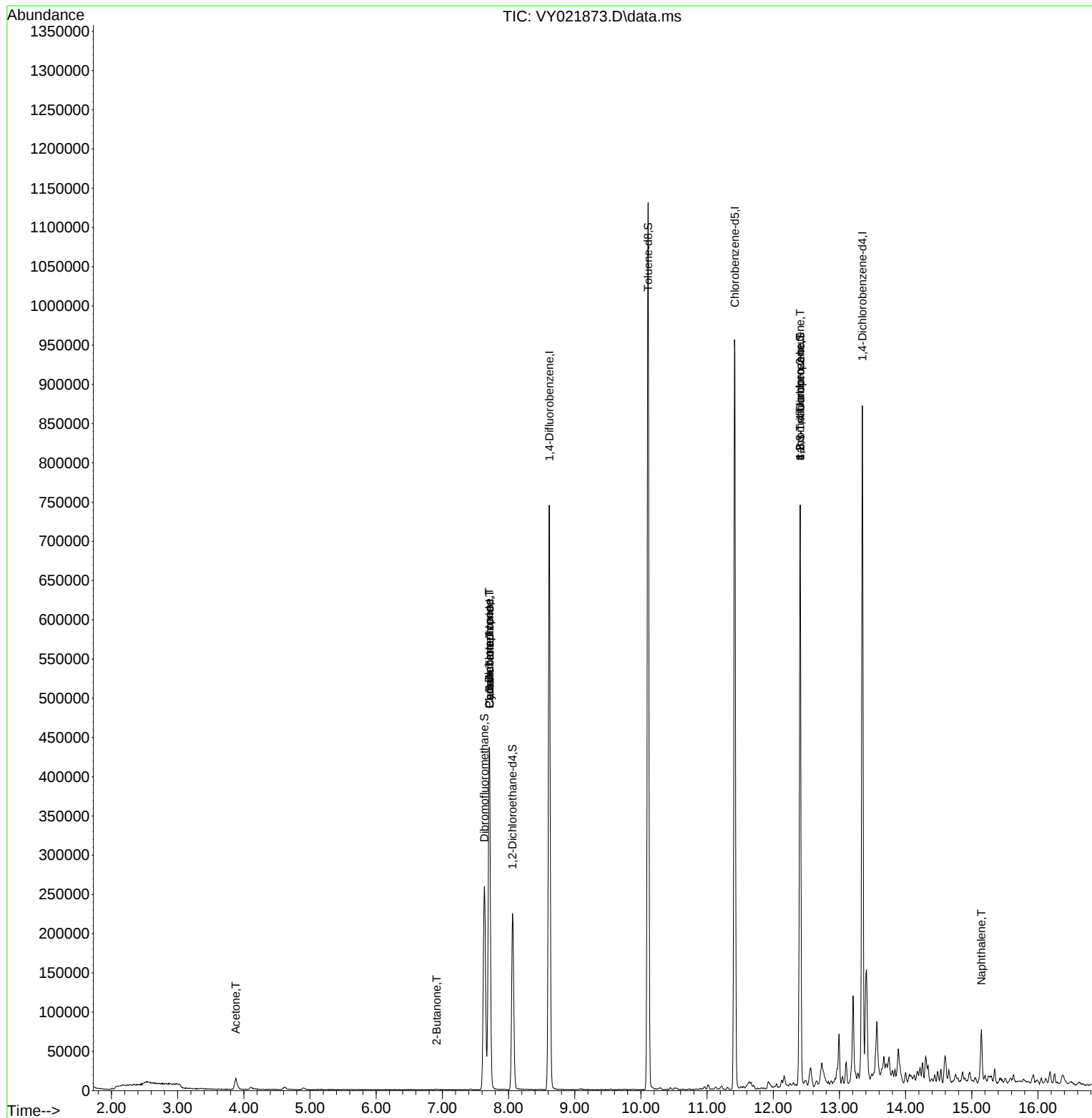
Internal Standards						
1) Pentafluorobenzene	7.713	168	339985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	608881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	512429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	209894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175549	47.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.320%
35) Dibromofluoromethane	7.634	113	187340	47.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.860%
50) Toluene-d8	10.109	98	709480	47.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.407	95	220234	43.332	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.660%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	24799	32.894	ug/l	93
20) Methylene Chloride	4.628	84	2268	Below Cal	#	59
25) 2-Butanone	6.915	43	1429	1.327	ug/l #	68
31) Cyclohexane	7.713	56	7564	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	26449	4.396	ug/l #	51
38) Carbon Tetrachloride	7.713	117	34286	4.976	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	113715	54.655	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	113715	125.935	ug/l #	12
95) Naphthalene	15.145	128	51692	8.958	ug/l	99

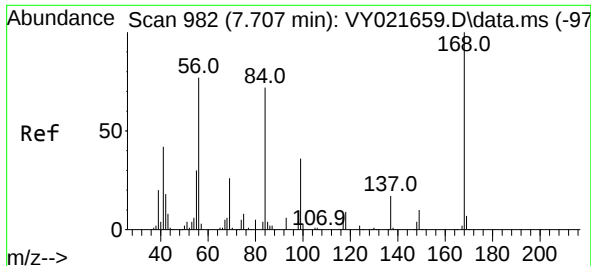
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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290502

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

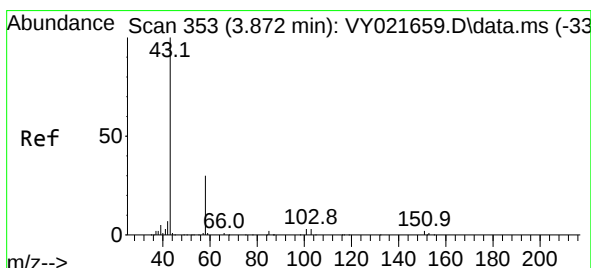
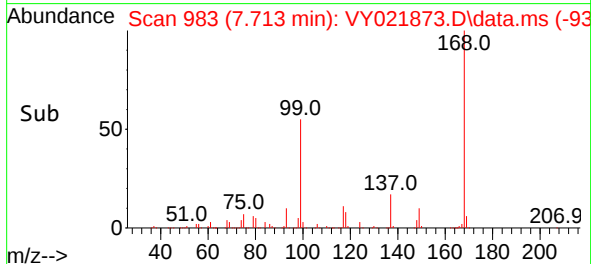
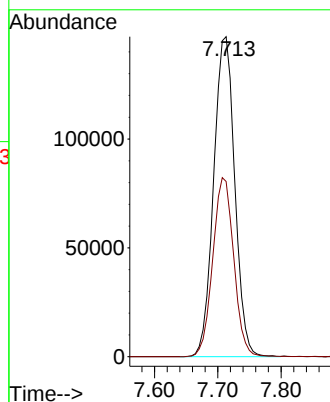
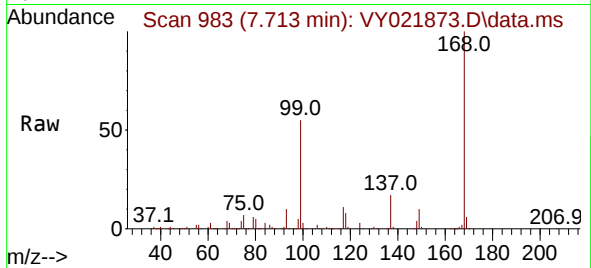




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

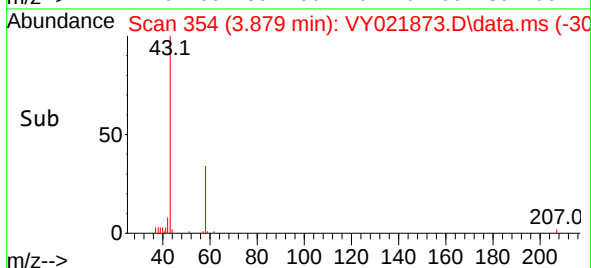
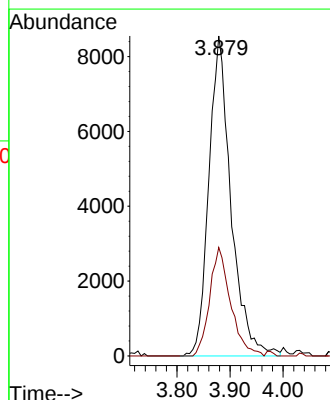
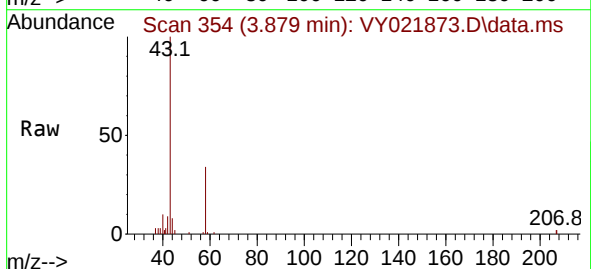
Instrument :
MSVOA_Y
ClientSampleId :
290502

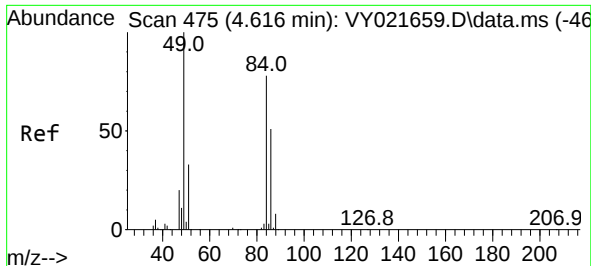
Tgt Ion:168 Resp: 339985
Ion Ratio Lower Upper
168 100
99 54.7 46.7 70.1



#16
Acetone
Concen: 32.894 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion: 43 Resp: 24799
Ion Ratio Lower Upper
43 100
58 33.9 24.2 36.4

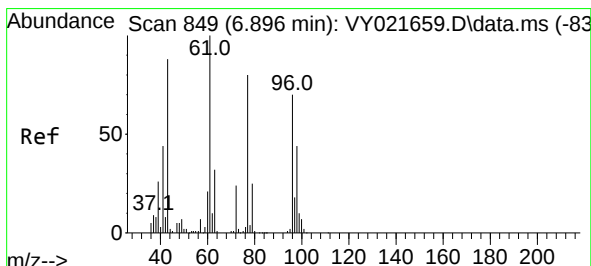
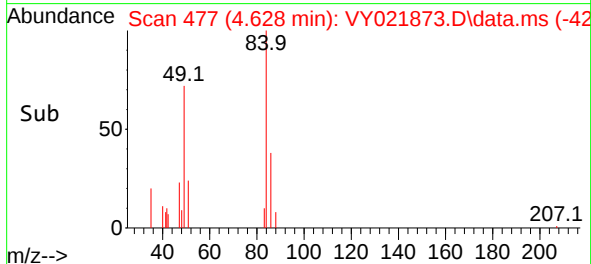
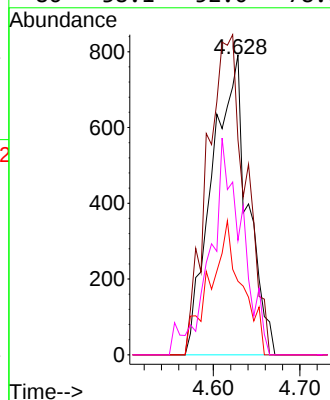
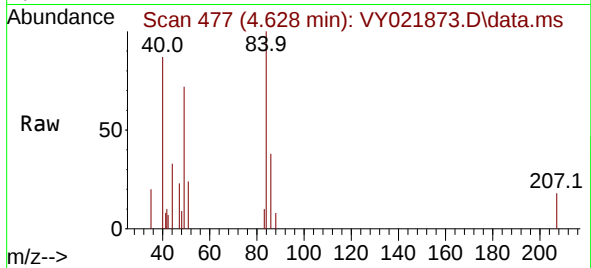




#20
Methylene Chloride
Concen: Below Cal
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

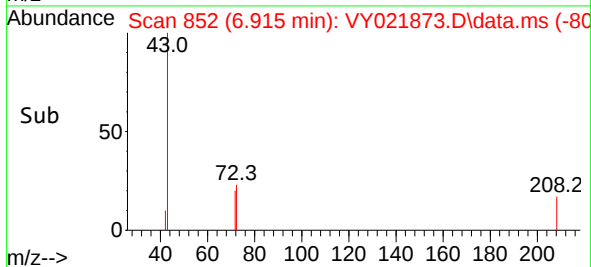
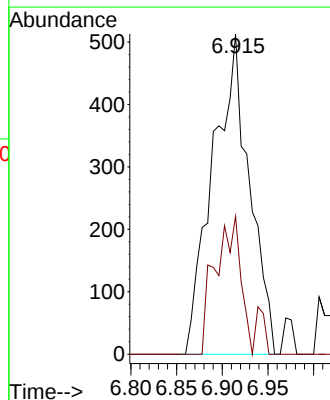
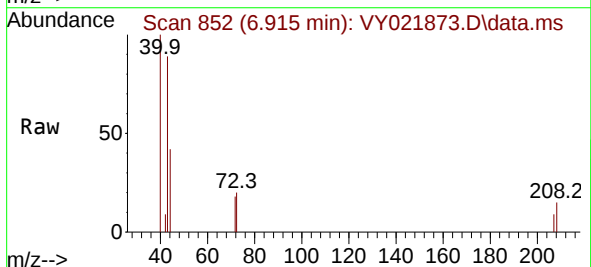
Instrument :
MSVOA_Y
ClientSampleId :
290502

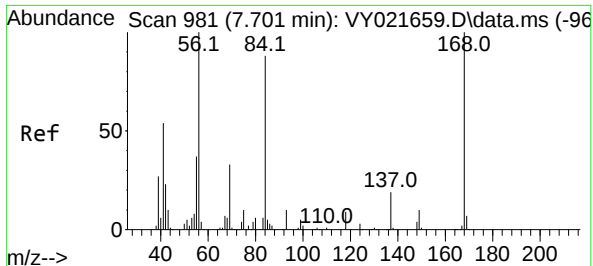
Tgt Ion: 84 Resp: 2268
Ion Ratio Lower Upper
84 100
49 71.7 102.8 154.2#
51 24.5 33.5 50.3#
86 38.1 52.0 78.0#



#25
2-Butanone
Concen: 1.327 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.018 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
72 43.1 21.4 32.2#

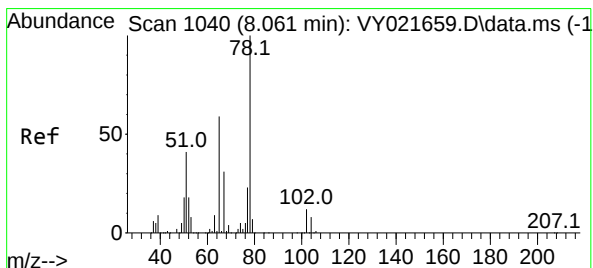
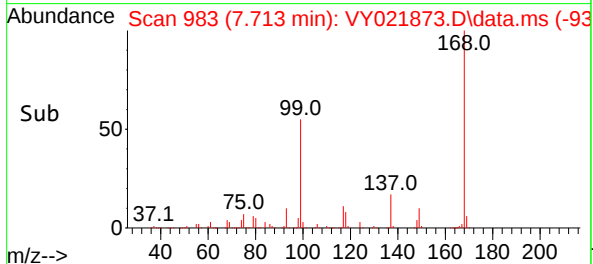
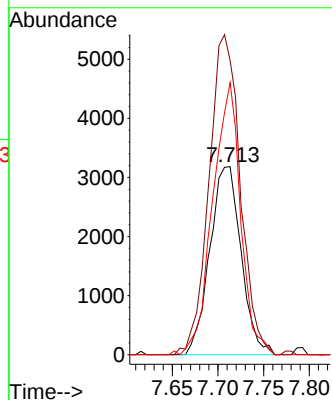
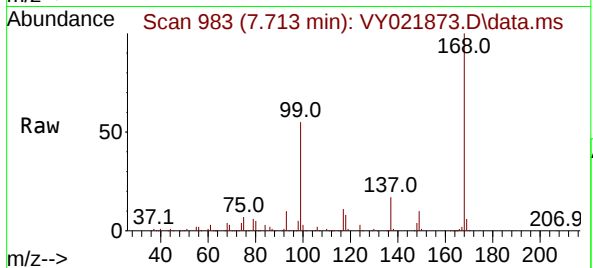




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

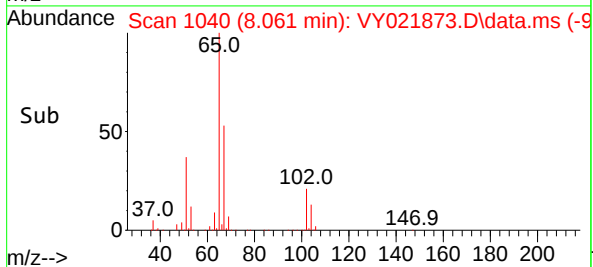
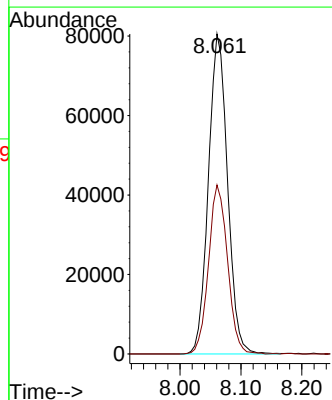
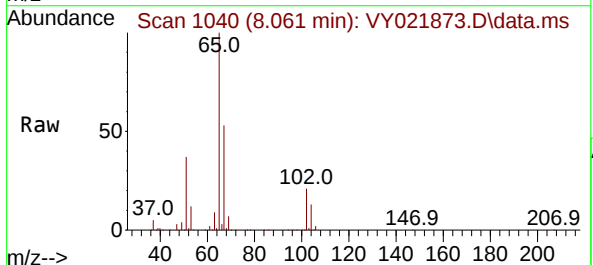
Instrument :
MSVOA_Y
ClientSampleId :
290502

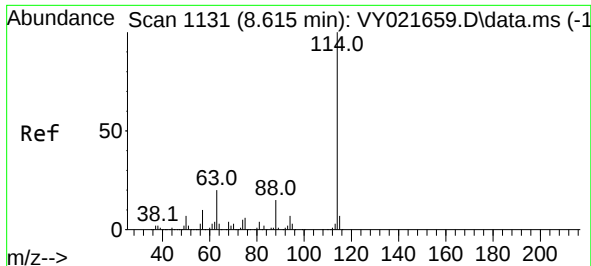
Tgt Ion: 56 Resp: 7564
Ion Ratio Lower Upper
56 100
69 156.5 26.6 40.0#
84 144.7 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 47.656 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion: 65 Resp: 175549
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

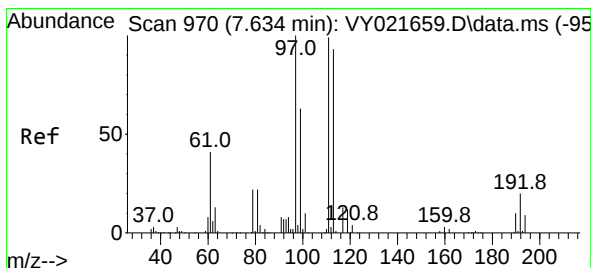
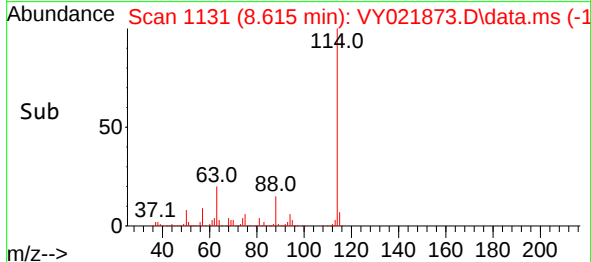
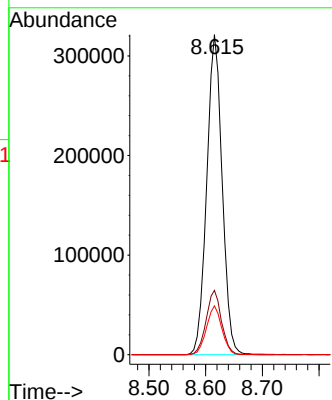
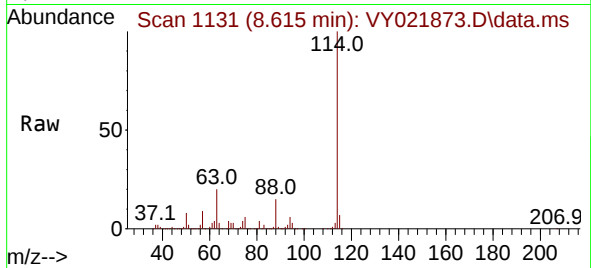




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

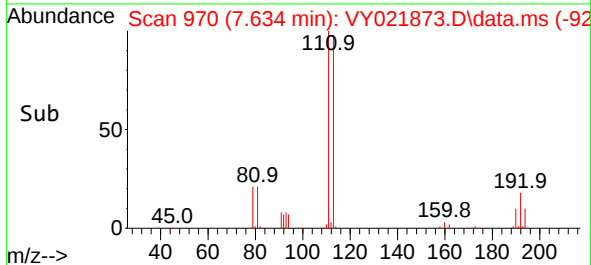
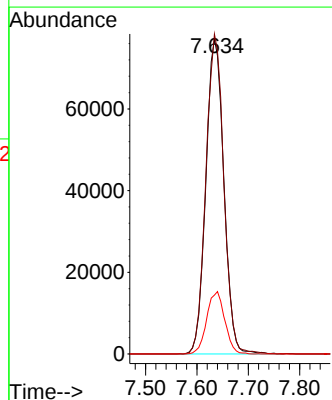
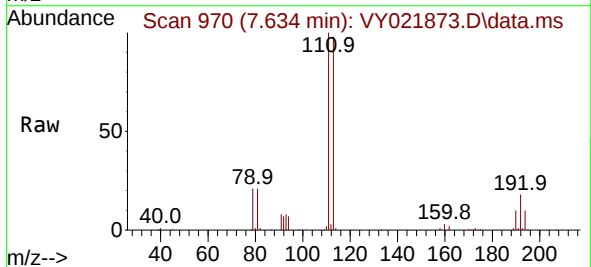
Instrument :
MSVOA_Y
ClientSampleId :
290502

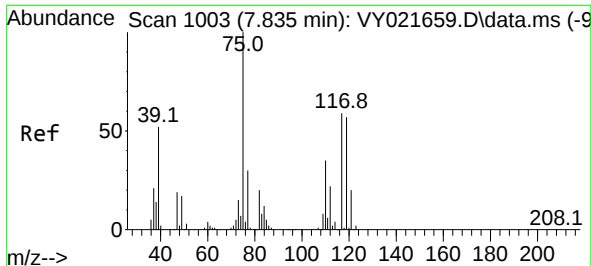
Tgt Ion:114 Resp: 608881
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 47.431 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion:113 Resp: 187340
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 19.8 16.2 24.4

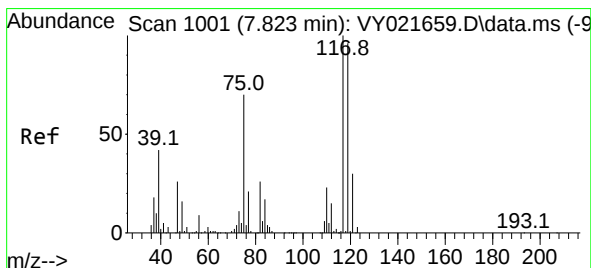
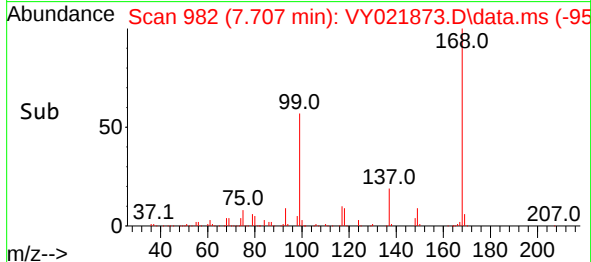
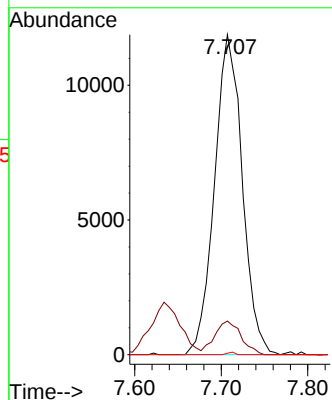
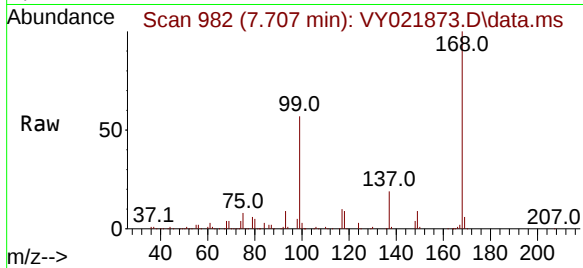




#36
1,1-Dichloropropene
Concen: 4.396 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

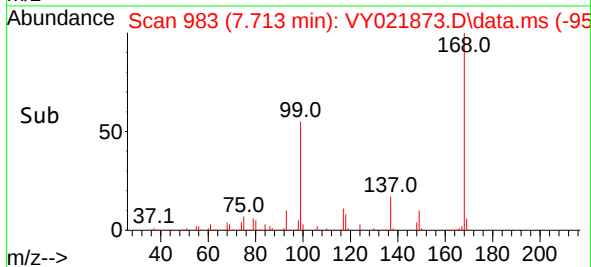
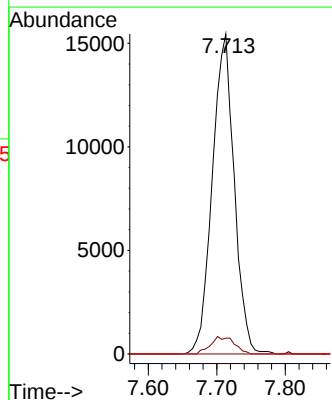
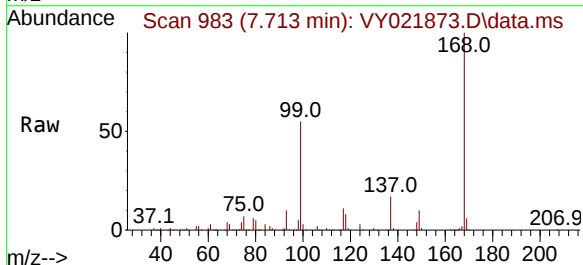
Instrument :
MSVOA_Y
ClientSampleId :
290502

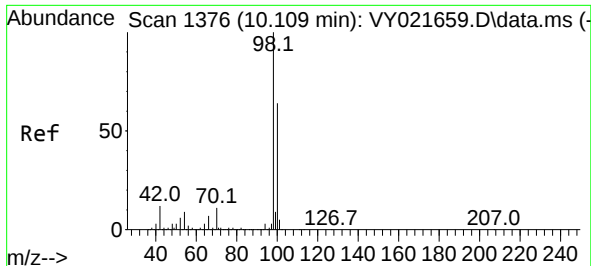
Tgt Ion: 75 Resp: 26449
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.976 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion: 117 Resp: 34286
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 24.2 36.4#

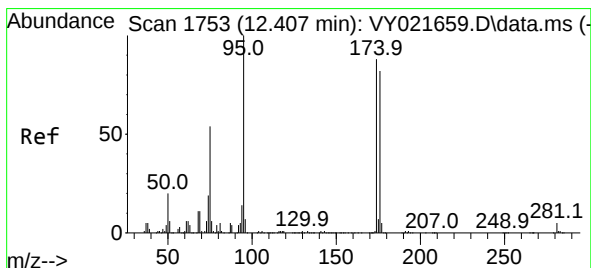
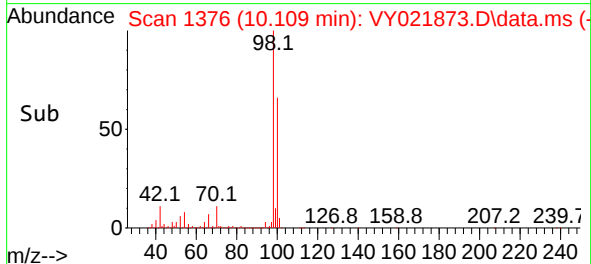
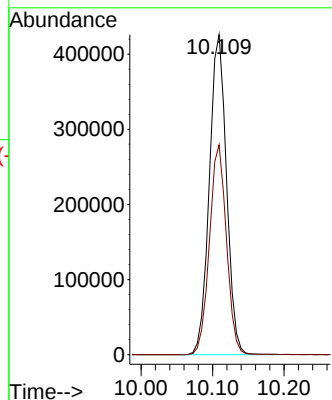
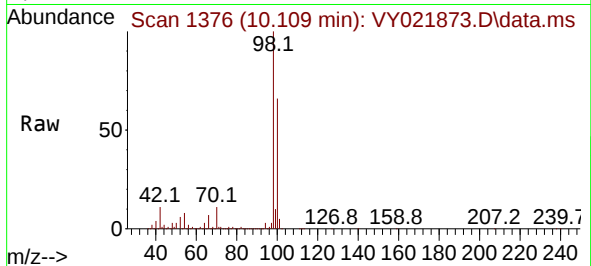




#50
Toluene-d8
Concen: 47.217 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

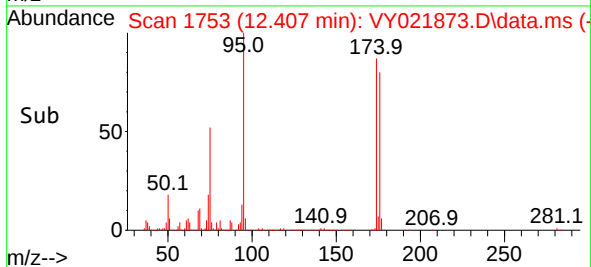
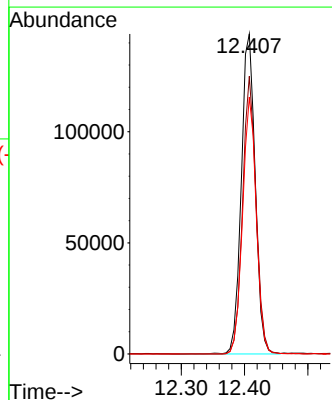
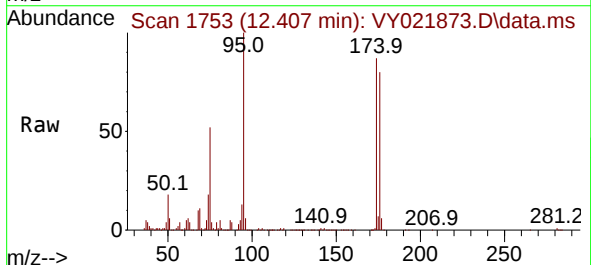
Instrument :
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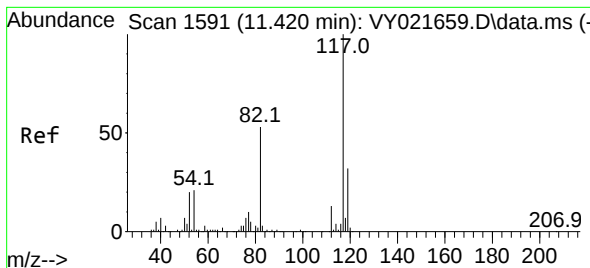
Tgt Ion: 98 Resp: 709480
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.332 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Tgt Ion: 95 Resp: 220234
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 78.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021873.D

Acq: 14 Apr 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

290502

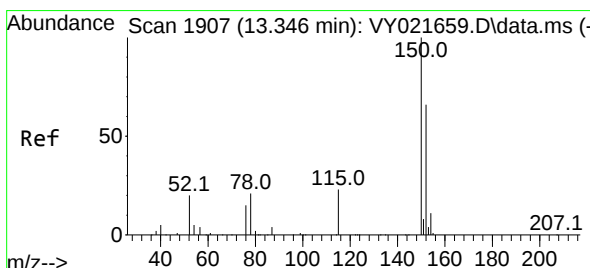
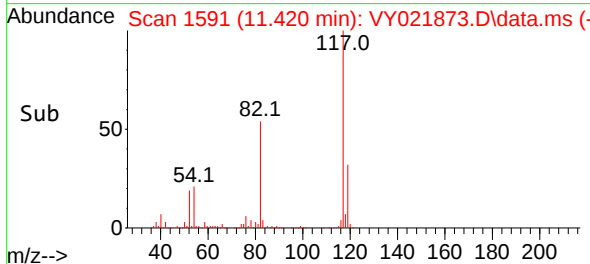
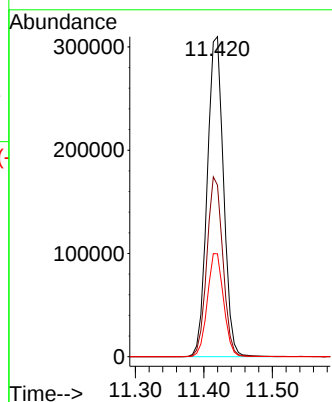
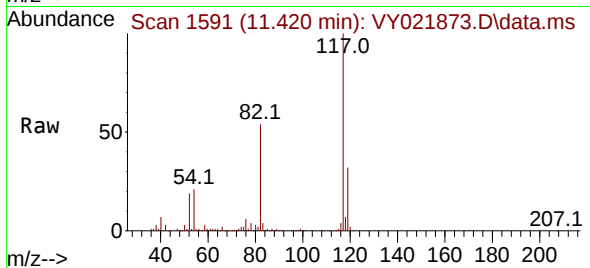
Tgt Ion:117 Resp: 512429

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021873.D

Acq: 14 Apr 2025 16:37

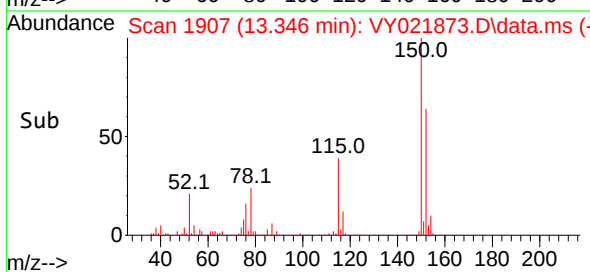
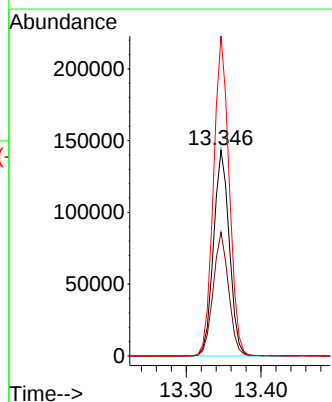
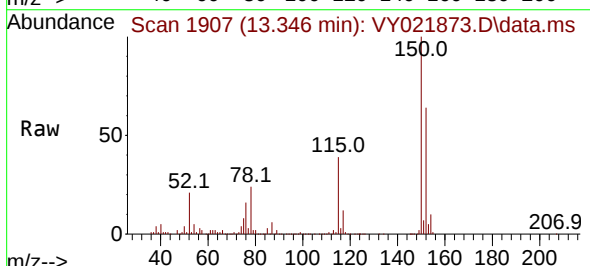
Tgt Ion:152 Resp: 209894

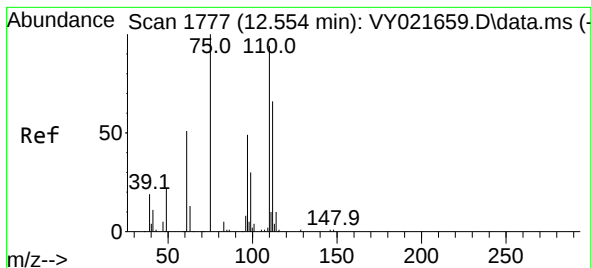
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 154.5 0.0 348.4

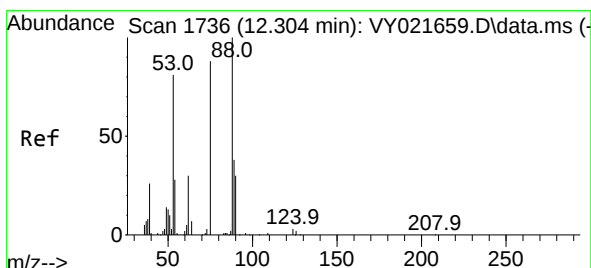
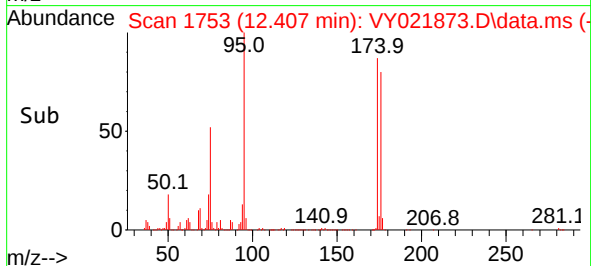
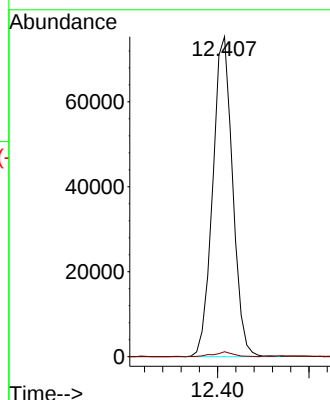
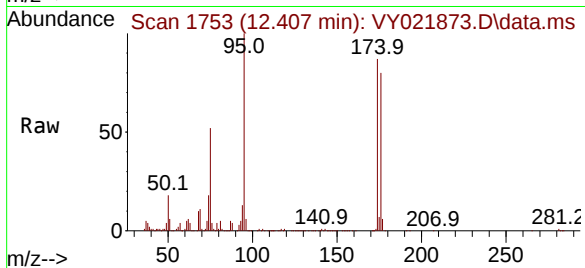




#76
1,2,3-Trichloropropane
Concen: 54.655 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

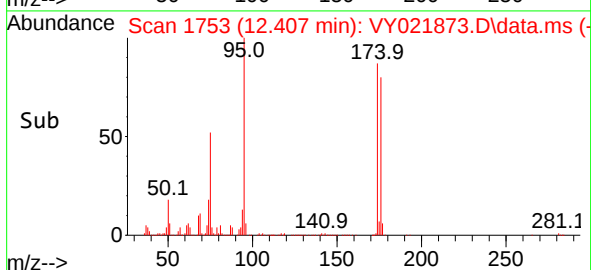
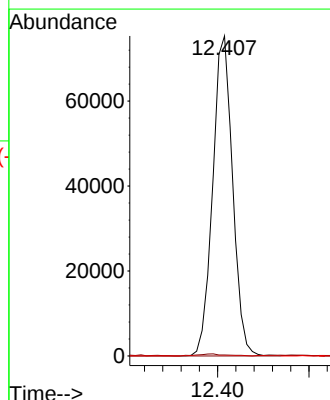
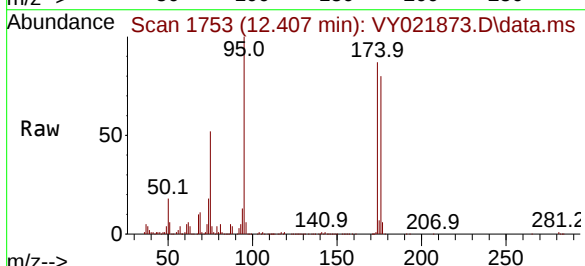
Instrument :
MSVOA_Y
ClientSampleId :
290502

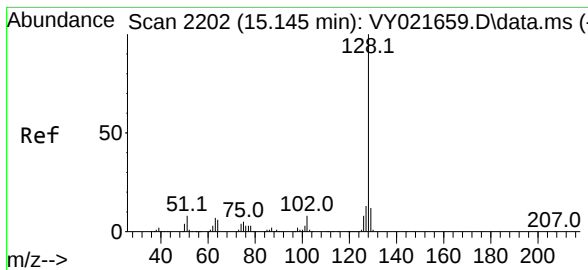
Tgt Ion: 75 Resp: 113715
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.935 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

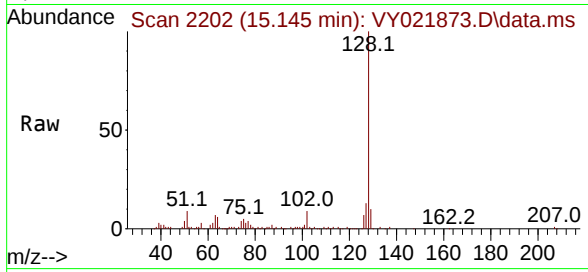
Tgt Ion: 75 Resp: 113715
Ion Ratio Lower Upper
75 100
53 0.9 76.1 114.1#
89 0.0 36.2 54.4#





#95
Naphthalene
Concen: 8.958 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021873.D
Acq: 14 Apr 2025 16:37

Instrument :
MSVOA_Y
ClientSampleId :
290502



Tgt Ion:	128	Resp:	51692
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	11.6	8.8	13.2

