

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013876.D
 Acq On : 25 May 2023 16:23
 Operator : KP/MD
 Sample : 02869-21
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP22

Quant Time: May 26 04:34:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

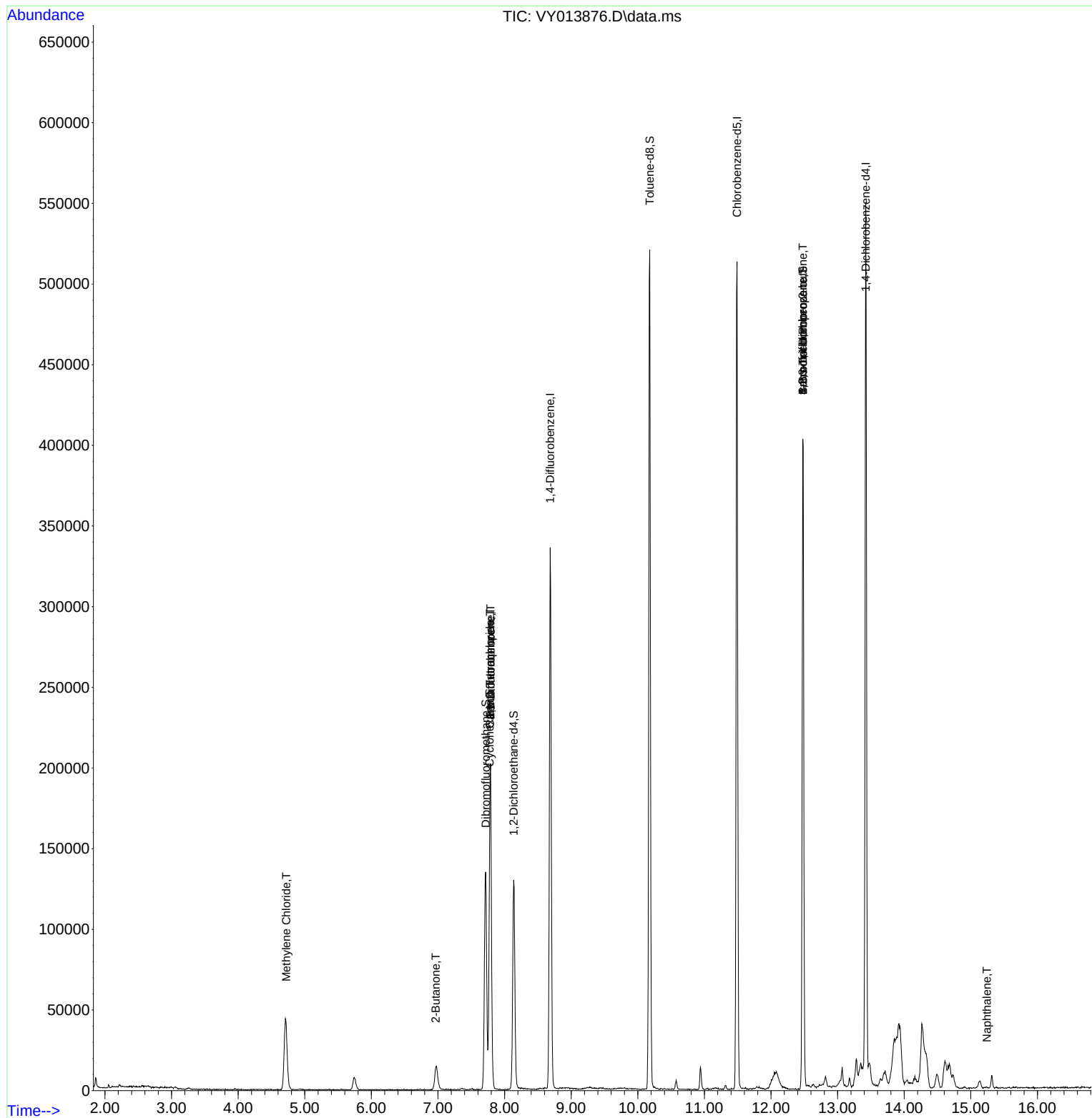
Internal Standards						
1) Pentafluorobenzene	7.789	168	156937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278200	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	273976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105800	58.273	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.540%	
35) Dibromofluoromethane	7.716	113	92745	51.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.240%	
50) Toluene-d8	10.179	98	342618	50.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	12.477	95	115086	50.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.400%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.722	84	32726	15.369	ug/l	87
25) 2-Butanone	6.966	43	928	1.411	ug/l #	49
31) Cyclohexane	7.777	56	3818	1.369	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	11915	4.354	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15598	5.012	ug/l #	16
71) Bromoform	12.477	173	1471	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	62839	39.979	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62839	86.783	ug/l #	10
95) Naphthalene	15.239	128	390	4.611	ug/l #	77

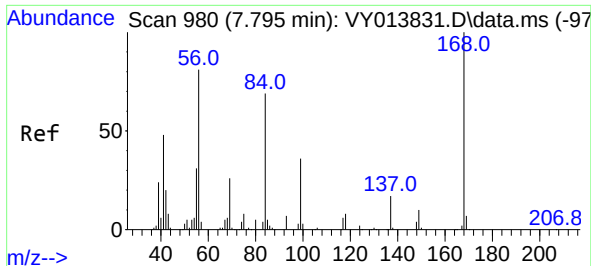
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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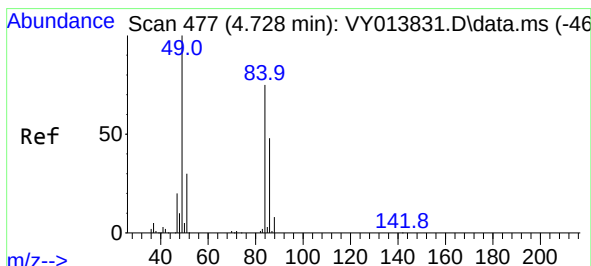
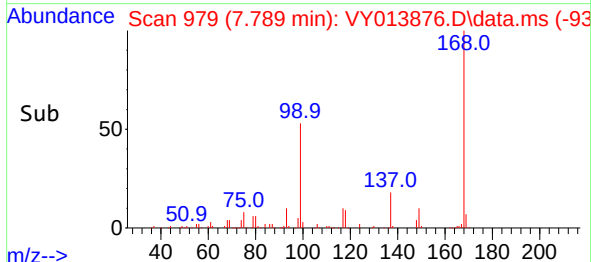
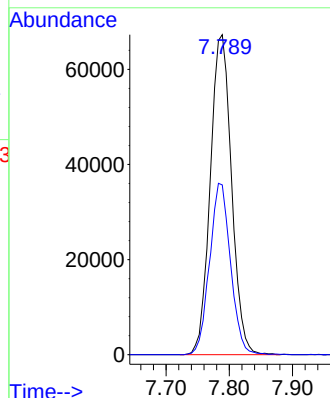
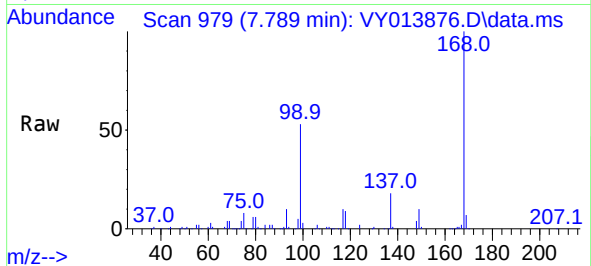




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

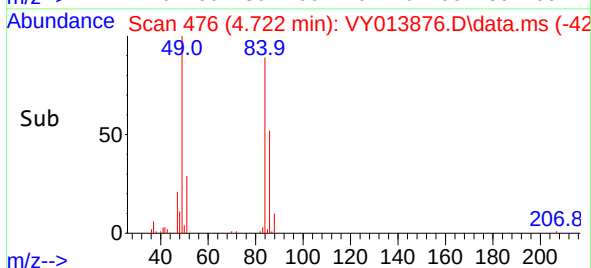
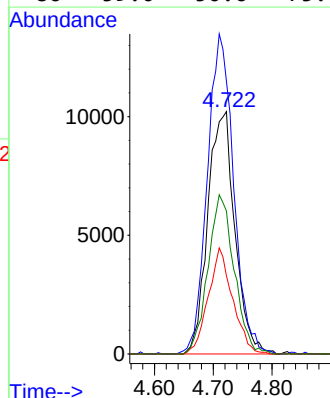
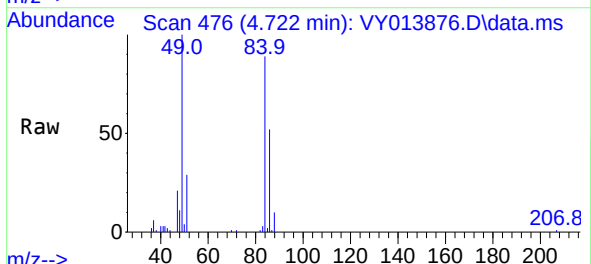
Instrument :
MSVOA_Y
ClientSampleId :
TP22

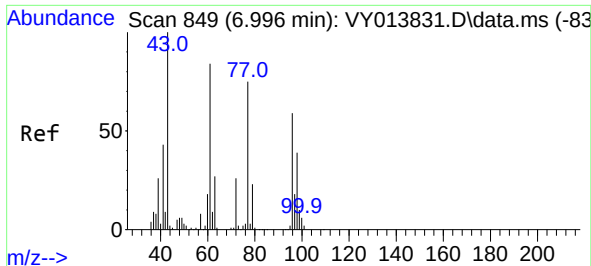
Tgt Ion:168 Resp: 156937
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.2



#20
Methylene Chloride
Concen: 15.369 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 84 Resp: 32726
Ion Ratio Lower Upper
84 100
49 112.5 106.2 159.2
51 32.3 31.4 47.0
86 59.0 50.6 75.8





#25

2-Butanone

Concen: 1.411 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.030 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

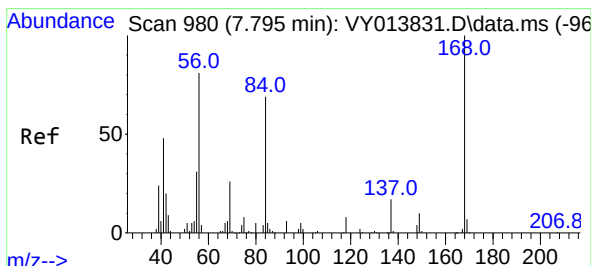
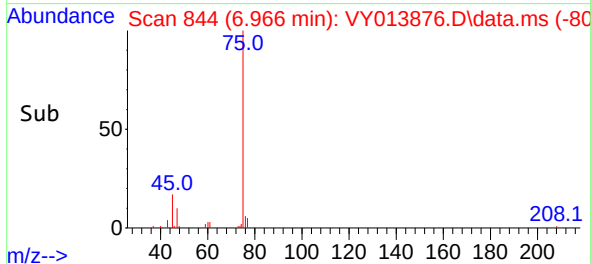
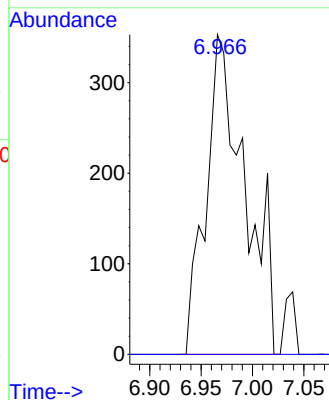
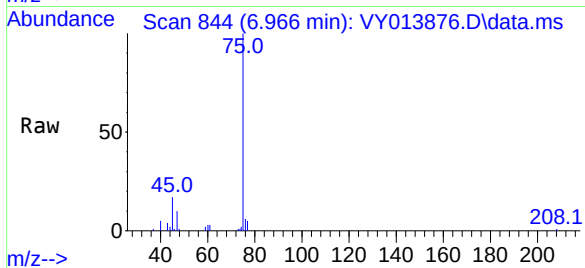
TP22

Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.018 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

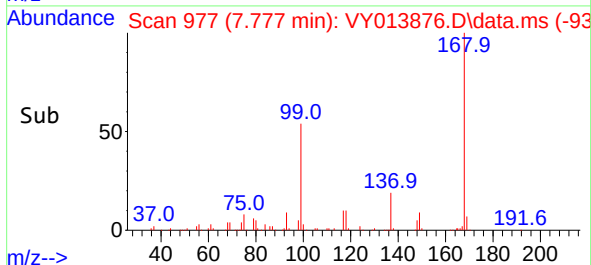
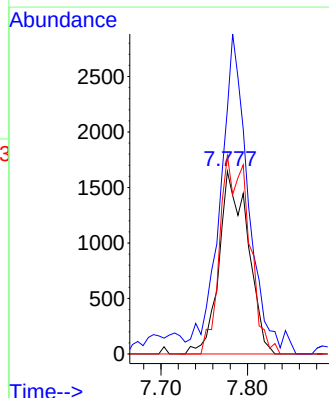
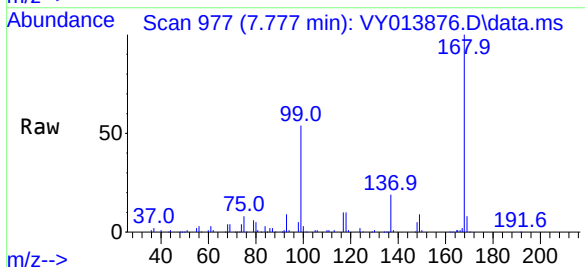
Tgt Ion: 56 Resp: 3818

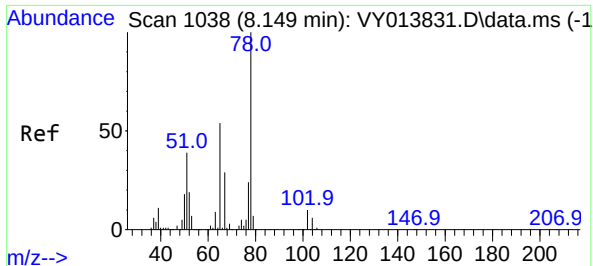
Ion Ratio Lower Upper

56 100

69 130.8 25.8 38.8#

84 114.3 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 58.273 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

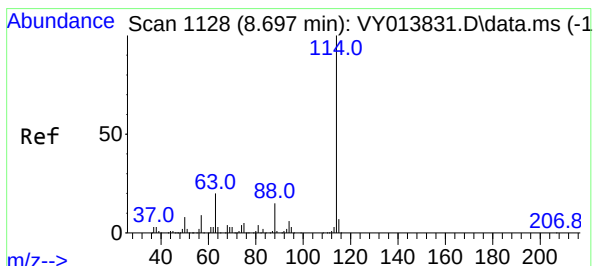
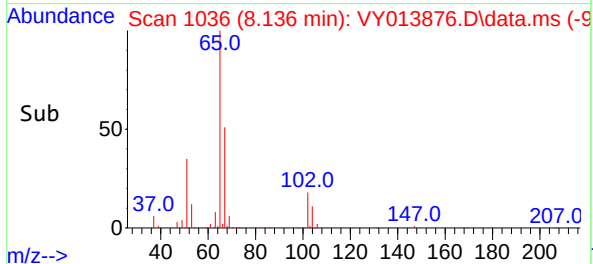
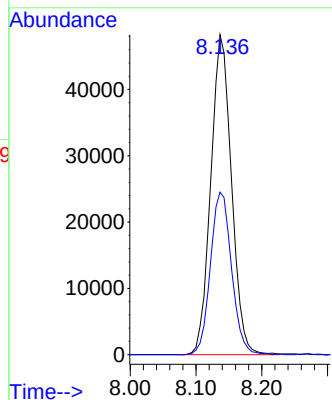
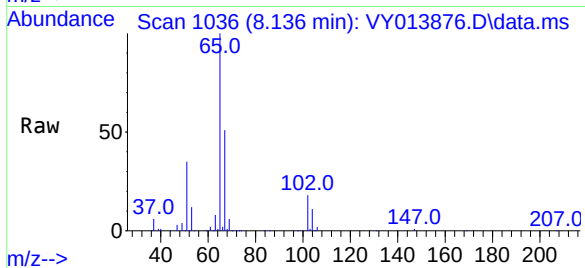
TP22

Tgt Ion: 65 Resp: 105800

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

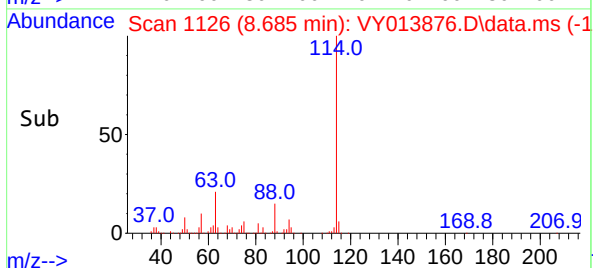
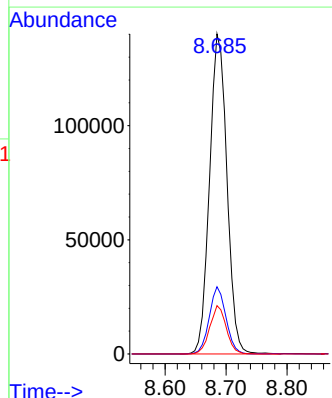
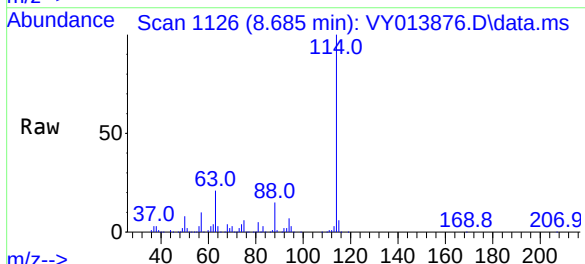
Tgt Ion: 114 Resp: 278200

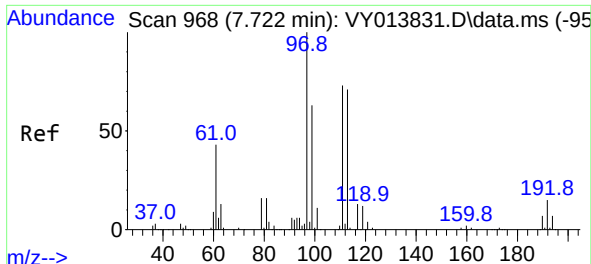
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.1 0.0 30.0

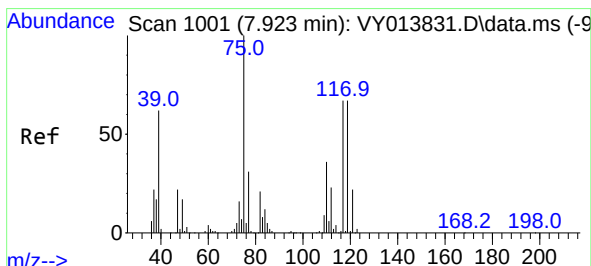
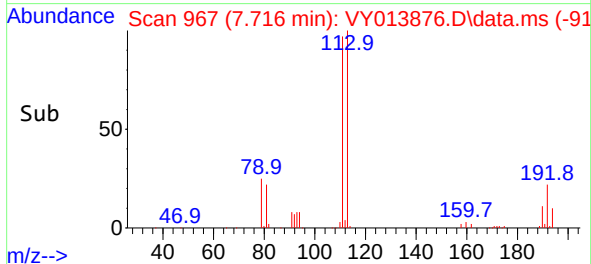
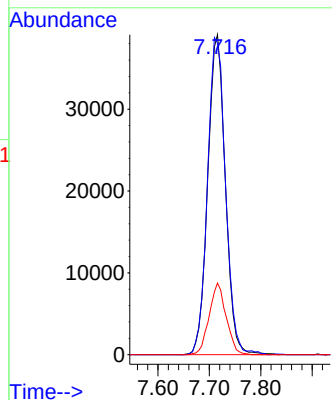
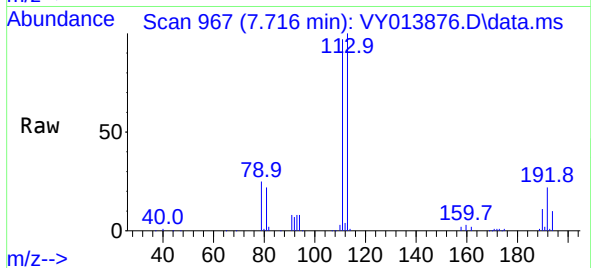




#35
Dibromofluoromethane
Concen: 51.622 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

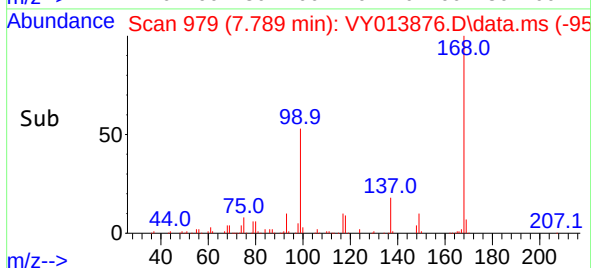
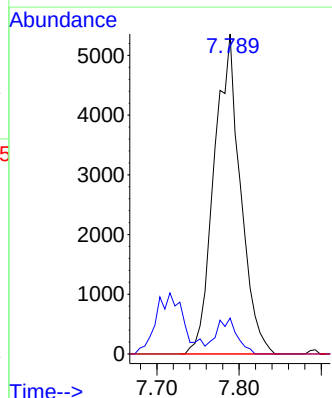
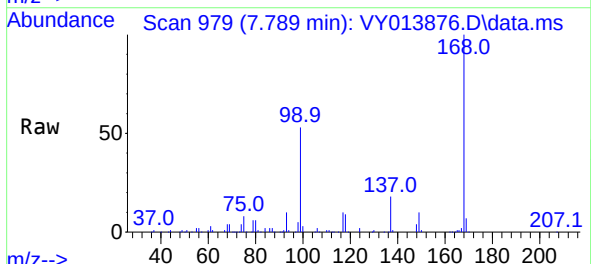
Instrument :
MSVOA_Y
ClientSampleId :
TP22

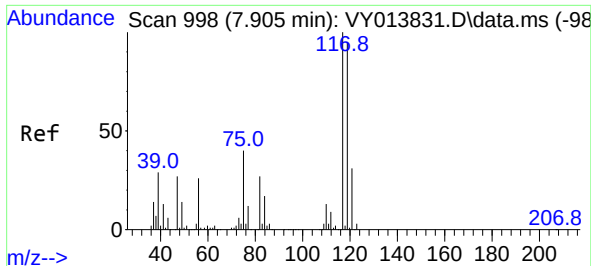
Tgt Ion:113 Resp: 92745
Ion Ratio Lower Upper
113 100
111 101.9 80.4 120.6
192 21.7 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 75 Resp: 11915
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.6#
77 0.0 24.4 36.6#

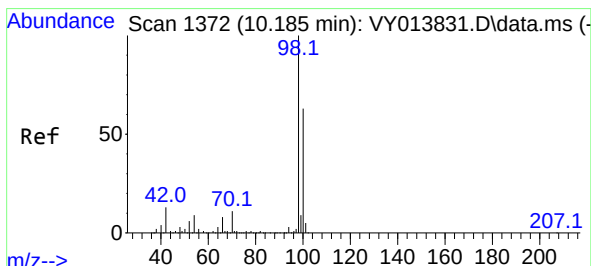
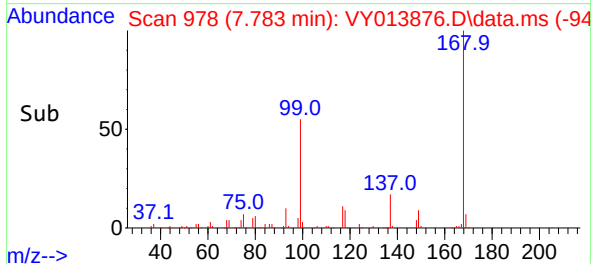
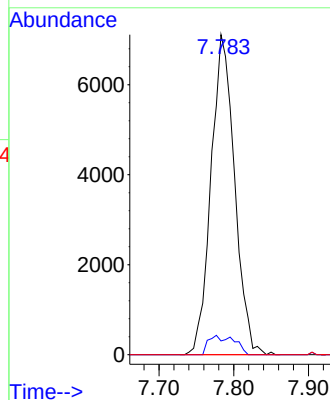
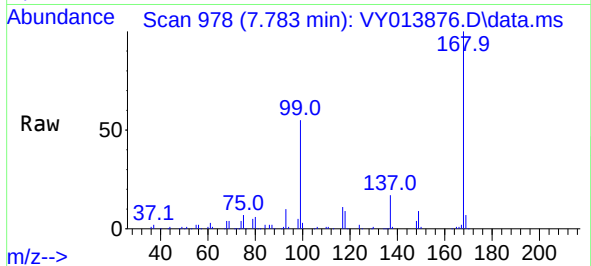




#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

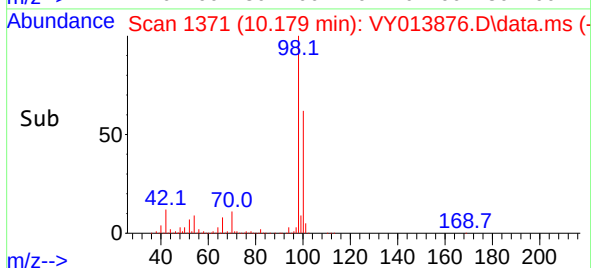
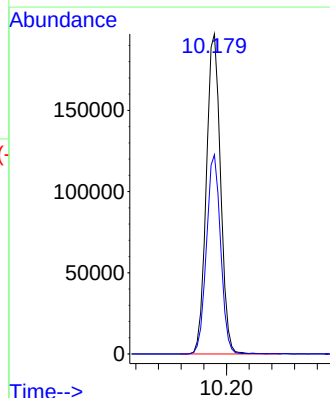
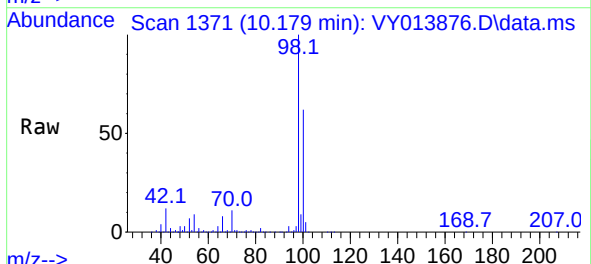
Instrument :
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ClientSampleId :
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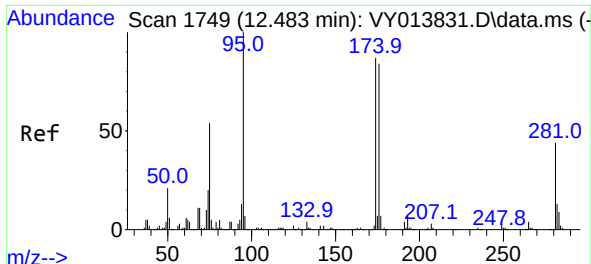
Tgt Ion:117 Resp: 15598
Ion Ratio Lower Upper
117 100
119 4.3 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.175 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 98 Resp: 342618
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2

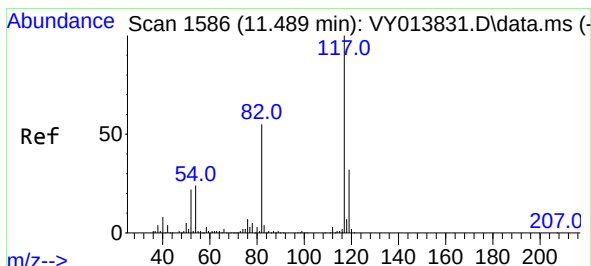
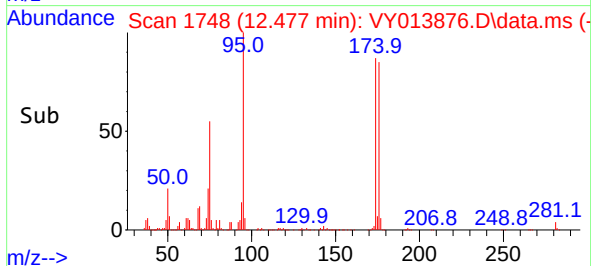
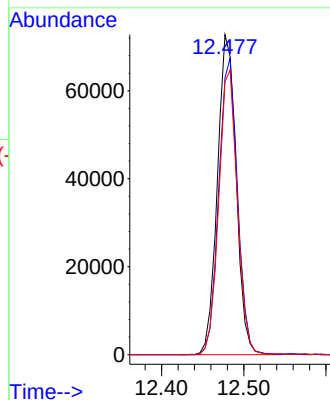
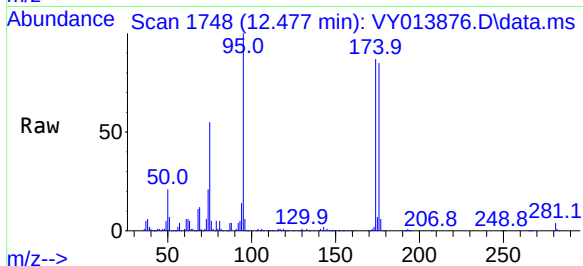




#62
4-Bromofluorobenzene
Concen: 50.704 ug/l
RT: 12.477 min Scan# 115086
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

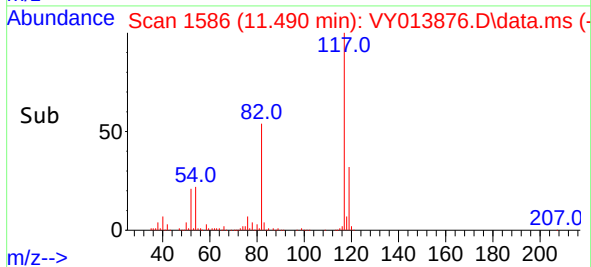
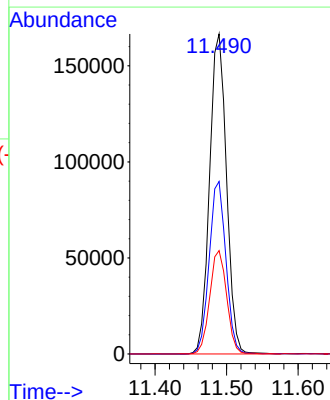
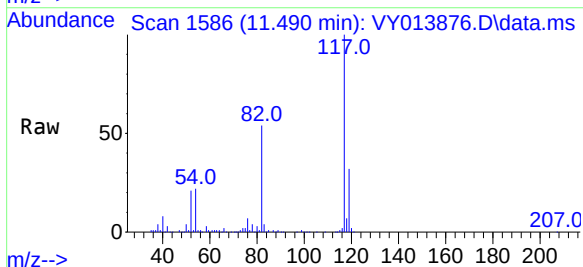
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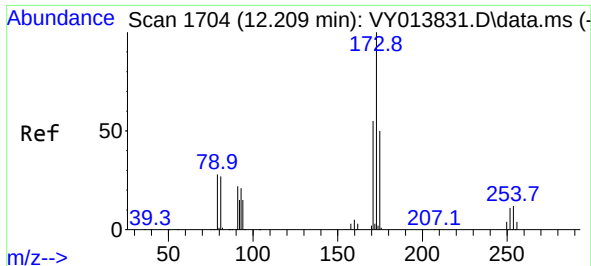
Tgt Ion: 95 Resp: 115086
Ion Ratio Lower Upper
95 100
174 92.8 0.0 176.0
176 88.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 117 Resp: 273976
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.4
119 32.3 25.7 38.5

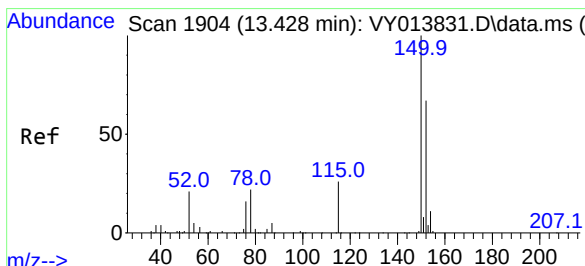
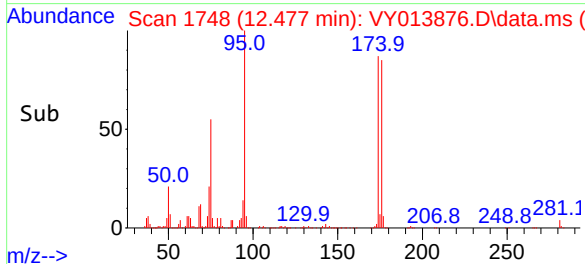
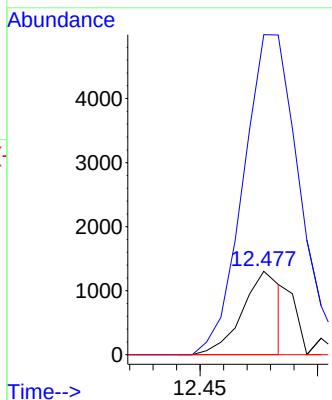
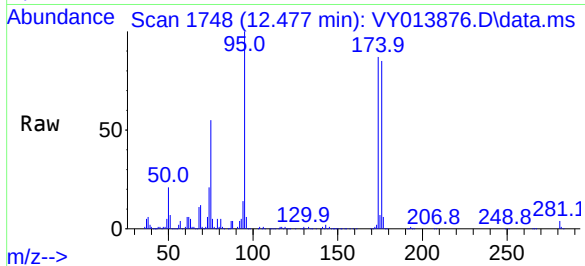




#71
Bromoform
Concen: 1.016 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

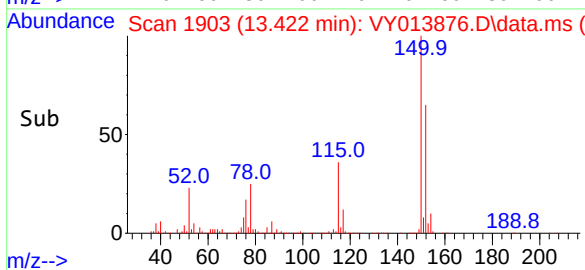
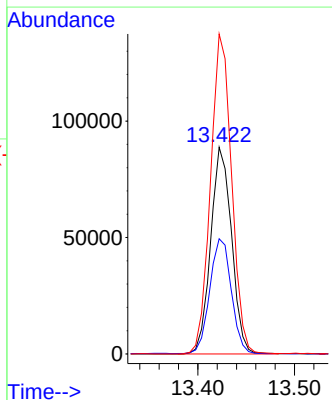
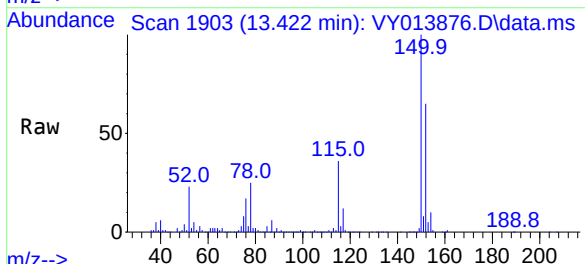
Instrument :
MSVOA_Y
ClientSampleId :
TP22

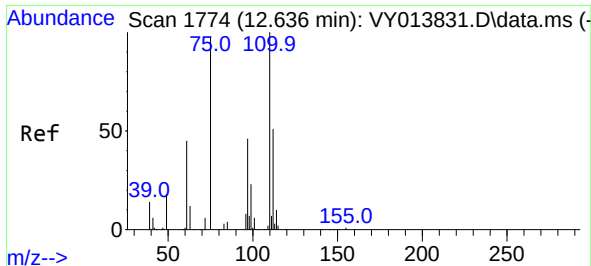
Tgt Ion:173 Resp: 1471
Ion Ratio Lower Upper
173 100
175 399.7 25.1 75.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion:152 Resp: 133300
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 156.1 0.0 353.4

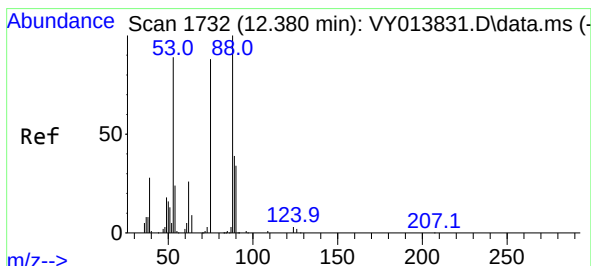
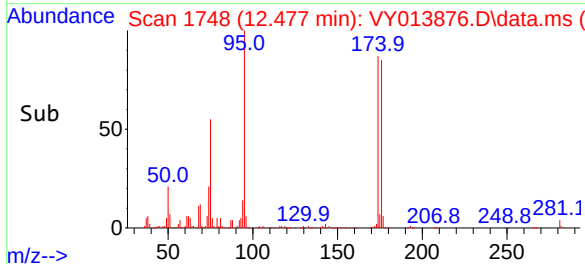
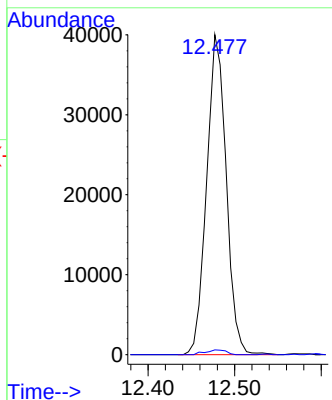
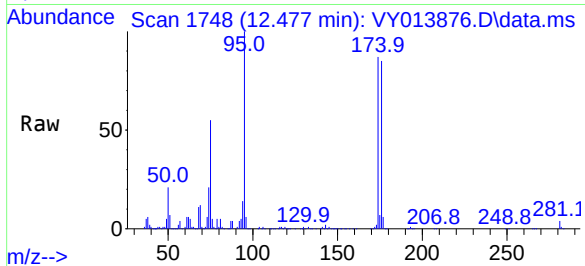




#76
1,2,3-Trichloropropane
Concen: 39.979 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

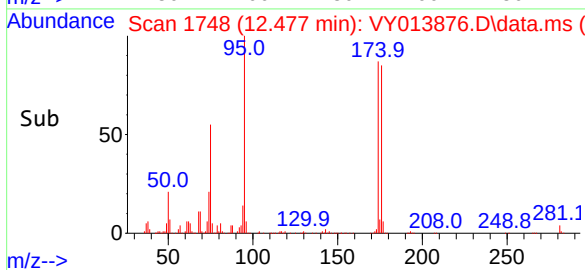
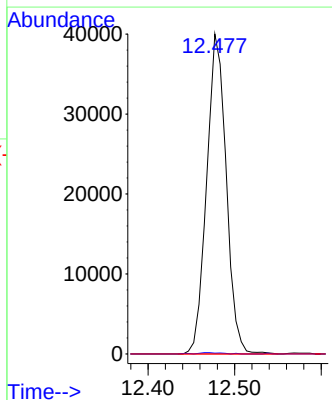
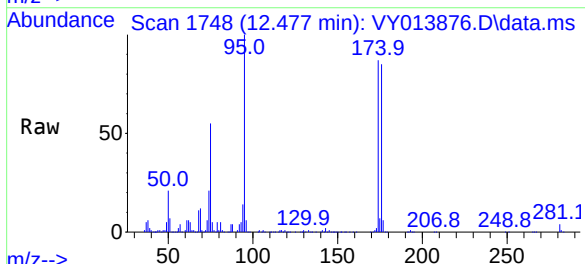
Instrument :
MSVOA_Y
ClientSampleId :
TP22

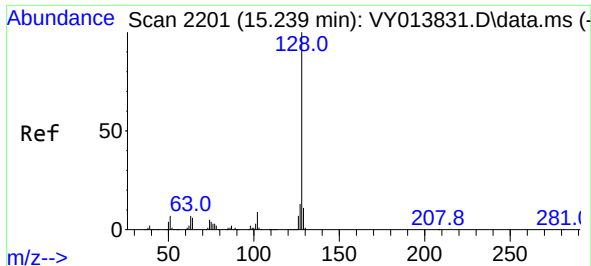
Tgt Ion: 75 Resp: 62839
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.783 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

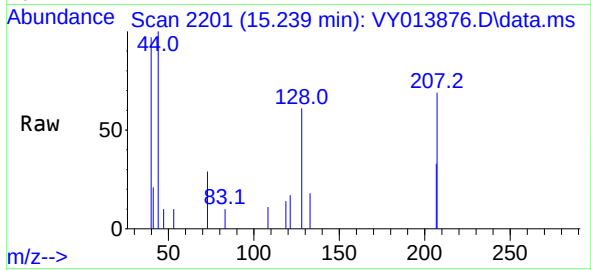
Tgt Ion: 75 Resp: 62839
Ion Ratio Lower Upper
75 100
53 0.5 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.611 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP22



Tgt Ion:	128	Resp:	390
Ion	Ratio	Lower	Upper
128	100		
127	6.4	10.7	16.1#
129	0.0	9.0	13.4#

