

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071924\
 Data File : VY018883.D
 Acq On : 19 Jul 2024 15:41
 Operator : SY/MD
 Sample : P3302-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 285-290

Quant Time: Jul 19 23:05:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

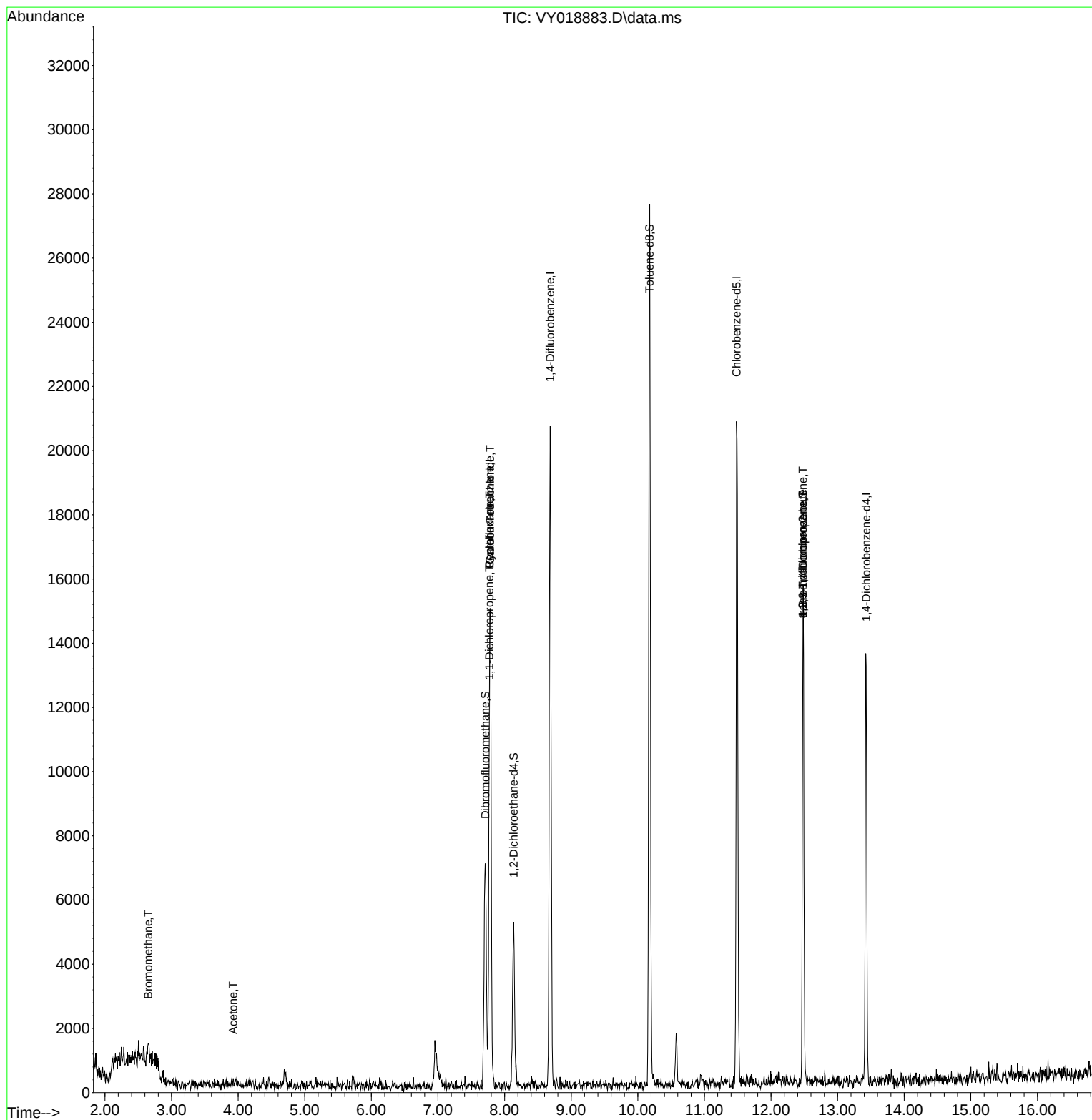
Internal Standards						
1) Pentafluorobenzene	7.777	168	12745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	18106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	12252	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4041	32.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	64.440%
35) Dibromofluoromethane	7.710	113	5206	45.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.820%
50) Toluene-d8	10.179	98	18292	42.576	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.160%
62) 4-Bromofluorobenzene	12.477	95	4146	28.258	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	219	1.677	ug/l #	3
16) Acetone	3.924	43	48	2.076	ug/l #	36
20) Methylene Chloride	4.698	84	481	Below Cal	#	53
31) Cyclohexane	7.777	56	243	1.261	ug/l #	69
36) 1,1-Dichloropropene	7.771	75	945	6.038	ug/l #	40
38) Carbon Tetrachloride	7.783	117	1165	6.181	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	2275	76.298	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2275	170.760	ug/l #	16

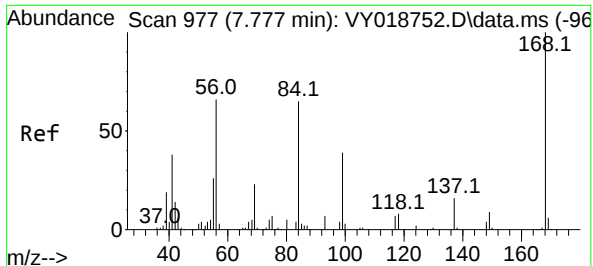
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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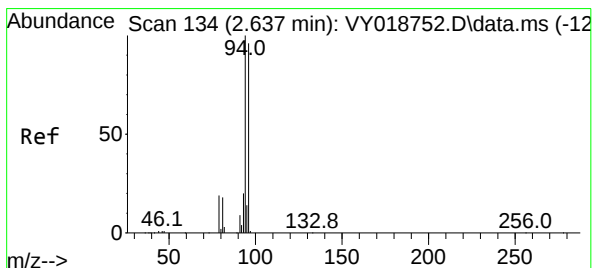
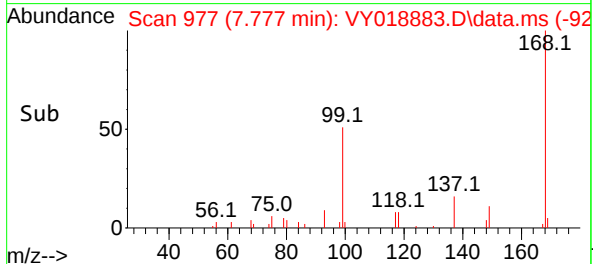
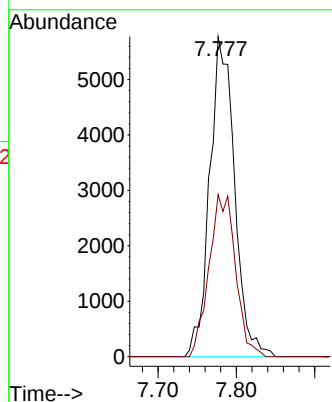
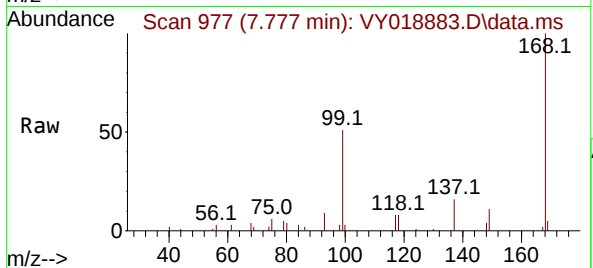




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

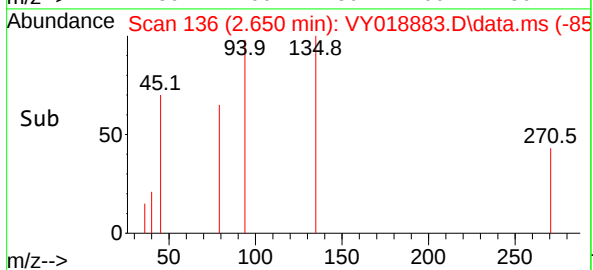
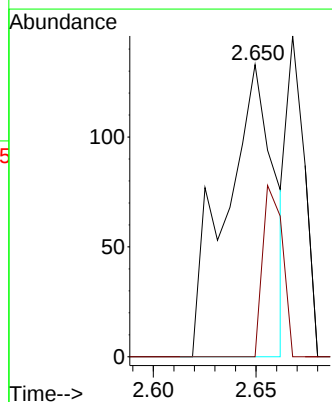
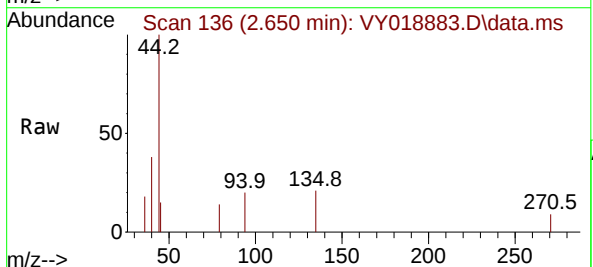
Instrument :
MSVOA_Y
ClientSampleId :
285-290

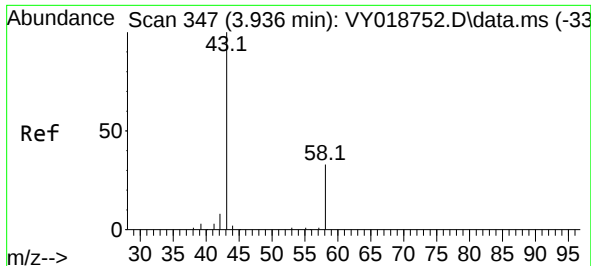
Tgt Ion:168 Resp: 12745
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#5
Bromomethane
Concen: 1.677 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.012 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#16

Acetone

Concen: 2.076 ug/l

RT: 3.924 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY018883.D

Acq: 19 Jul 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

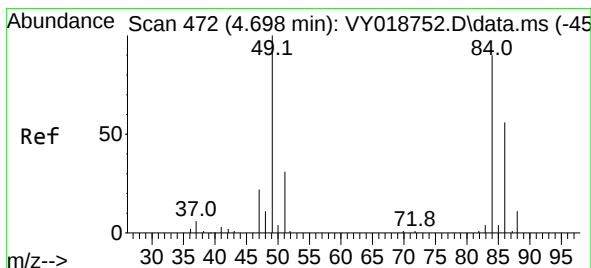
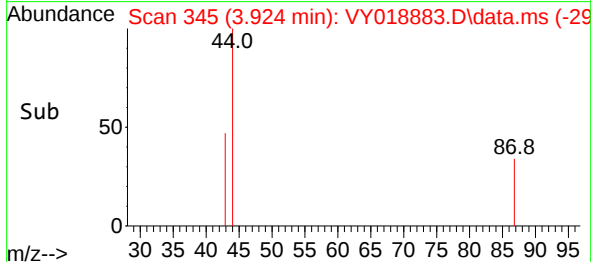
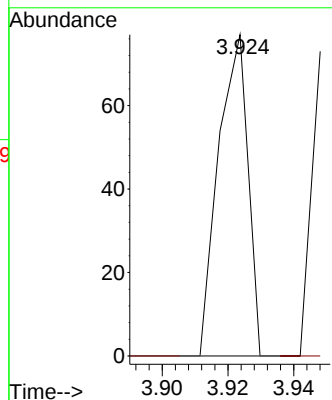
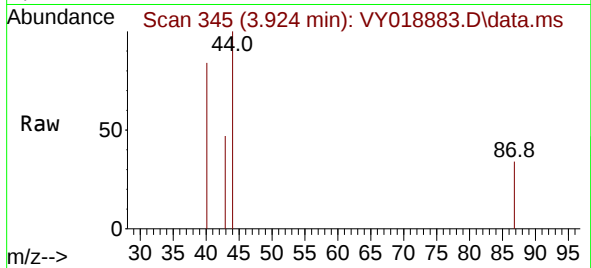
285-290

Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.000 min

Lab File: VY018883.D

Acq: 19 Jul 2024 15:41

Tgt Ion: 84 Resp: 481

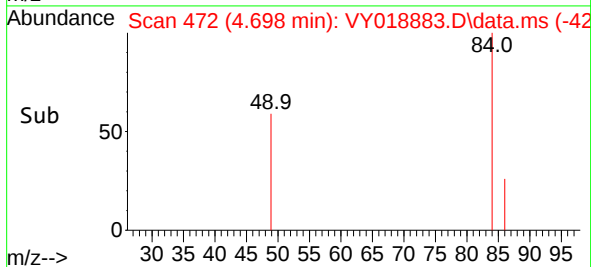
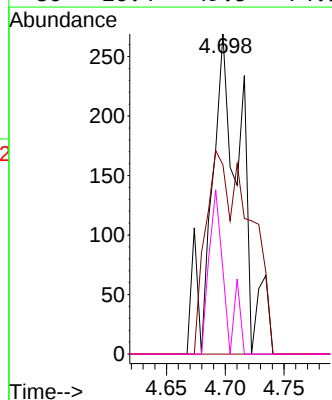
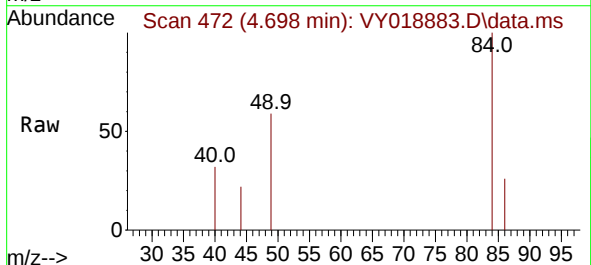
Ion Ratio Lower Upper

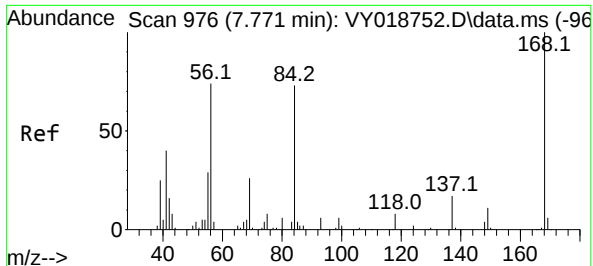
84 100

49 59.1 84.4 126.6#

51 0.0 26.0 39.0#

86 26.4 49.5 74.3#

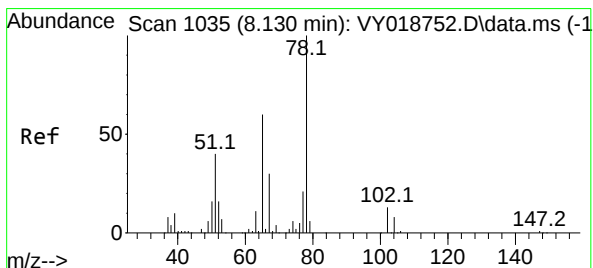
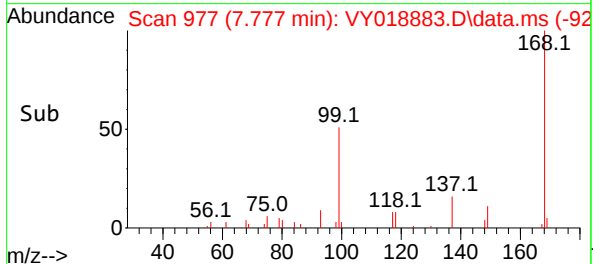
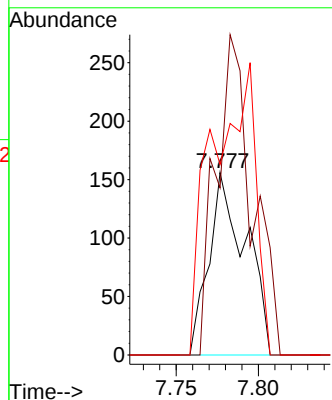
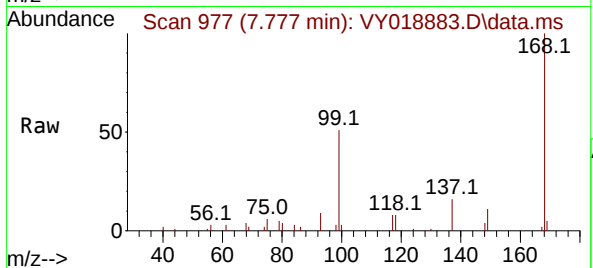




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

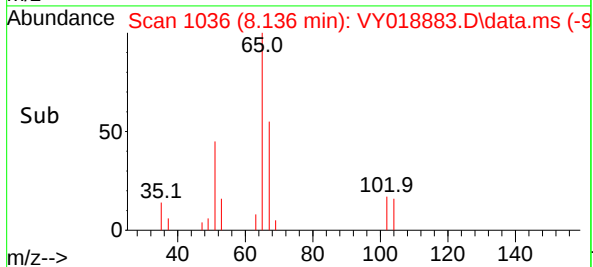
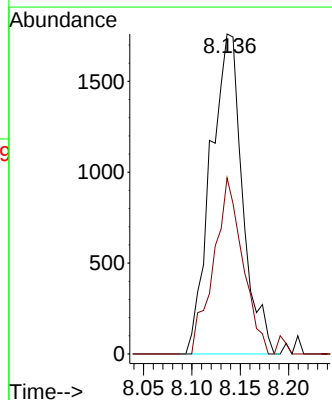
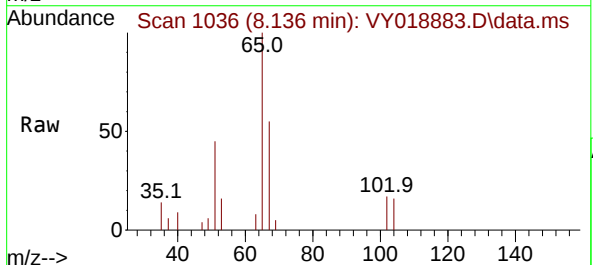
Instrument :
MSVOA_Y
ClientSampleId :
285-290

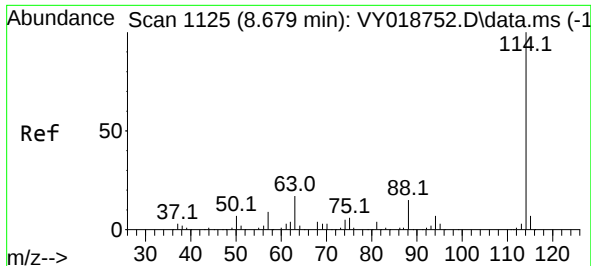
Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
69 91.7 28.7 43.1#
84 104.5 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 32.221 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion: 65 Resp: 4041
Ion Ratio Lower Upper
65 100
67 50.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY018883.D

Acq: 19 Jul 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

285-290

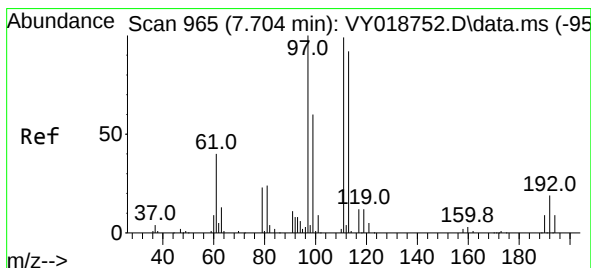
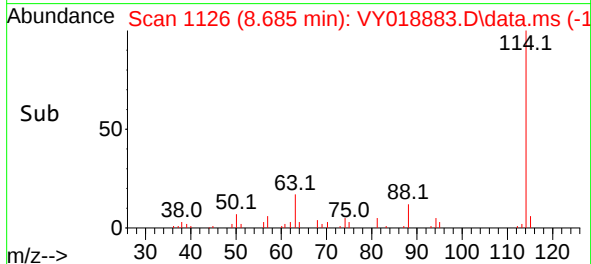
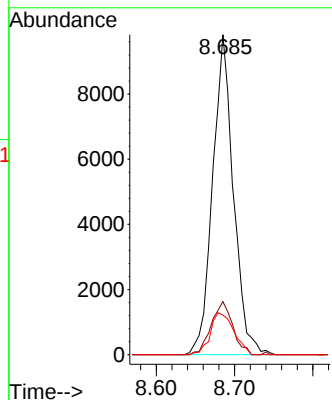
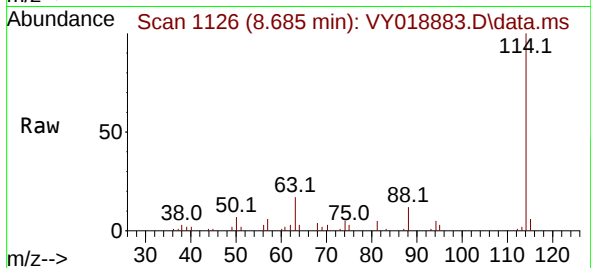
Tgt Ion:114 Resp: 18106

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 12.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.908 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018883.D

Acq: 19 Jul 2024 15:41

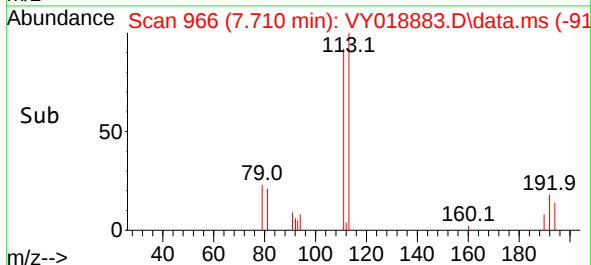
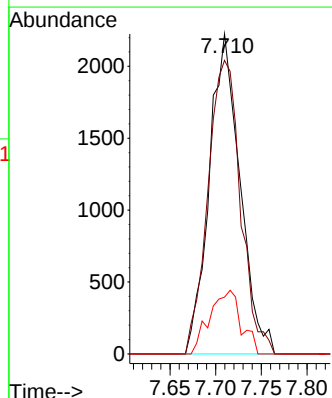
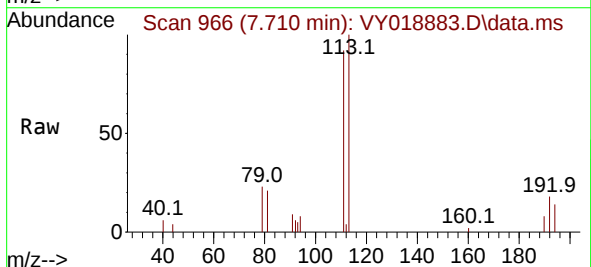
Tgt Ion:113 Resp: 5206

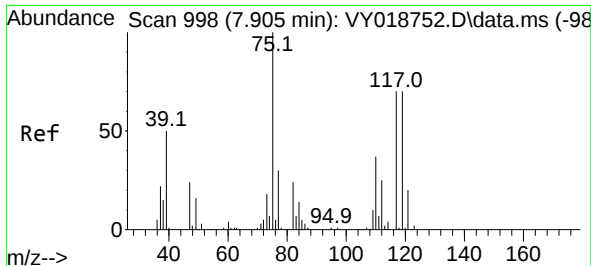
Ion Ratio Lower Upper

113 100

111 97.1 82.2 123.4

192 20.3 15.9 23.9

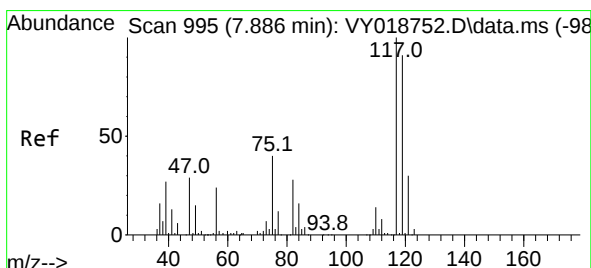
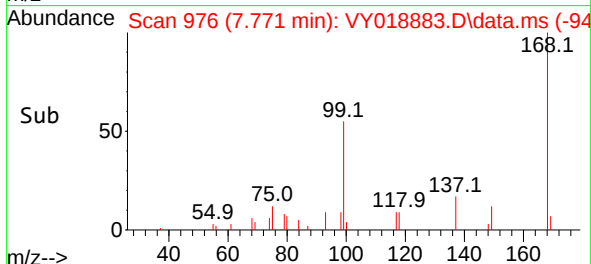
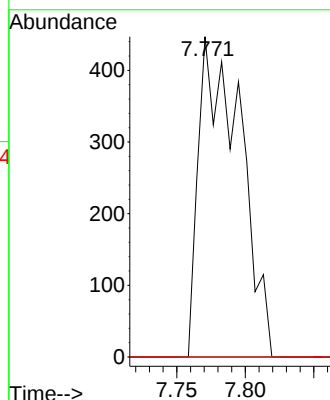
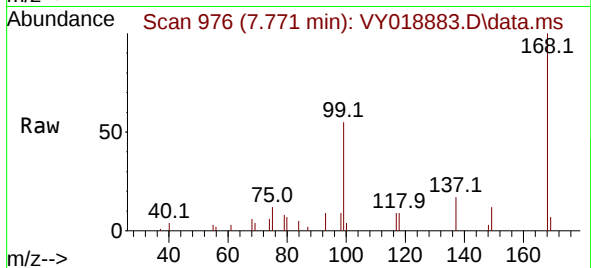




#36
1,1-Dichloropropene
Concen: 6.038 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

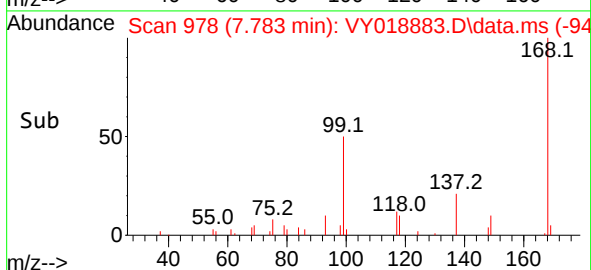
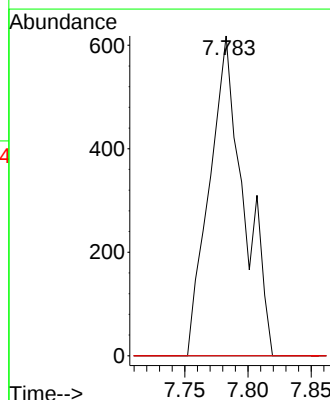
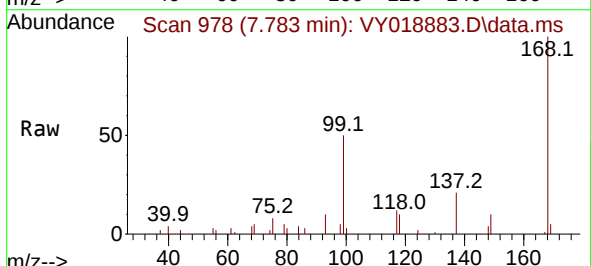
Instrument :
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ClientSampleId :
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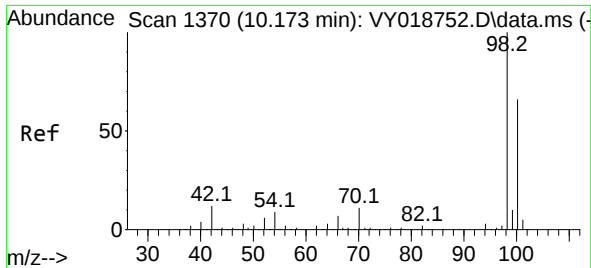
Tgt Ion: 75 Resp: 945
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.104 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion: 117 Resp: 1165
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

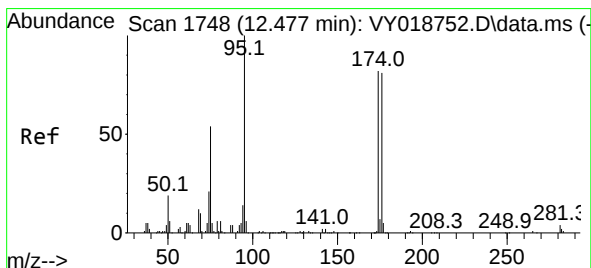
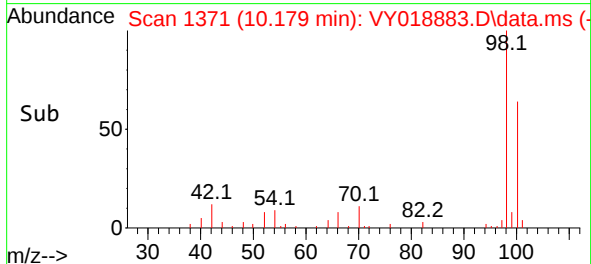
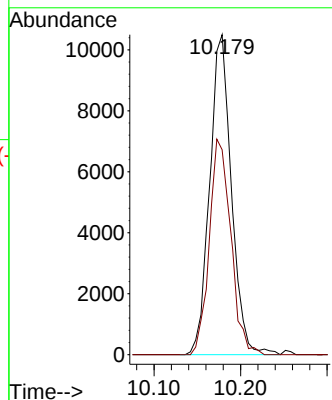
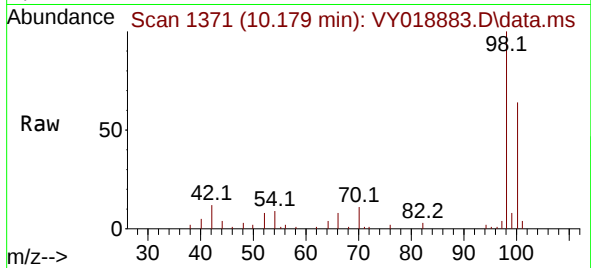




#50
Toluene-d8
Concen: 42.576 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

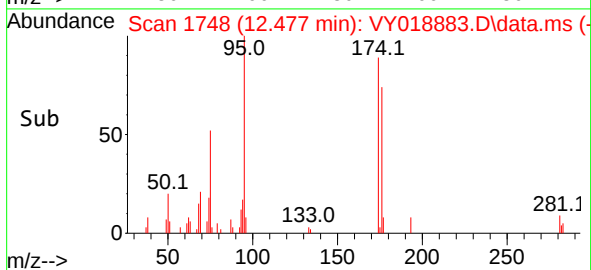
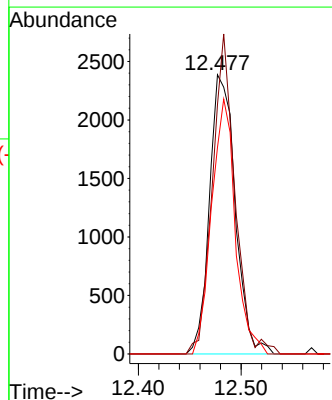
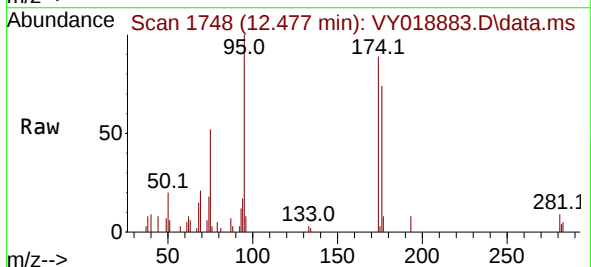
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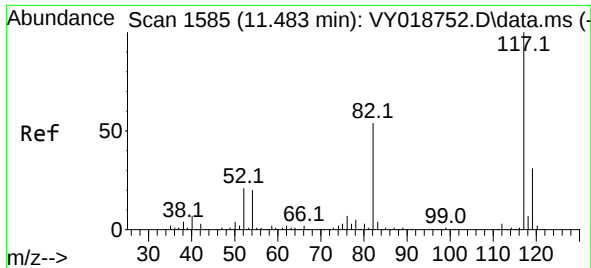
Tgt Ion: 98 Resp: 18292
Ion Ratio Lower Upper
98 100
100 66.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 28.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion: 95 Resp: 4146
Ion Ratio Lower Upper
95 100
174 100.5 0.0 175.6
176 84.0 0.0 171.4

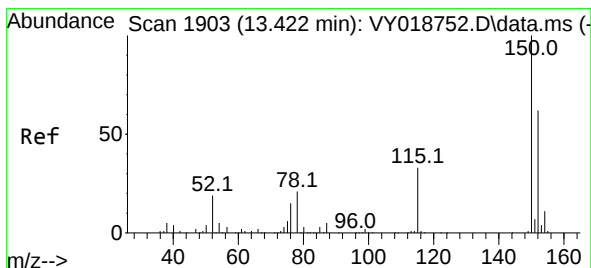
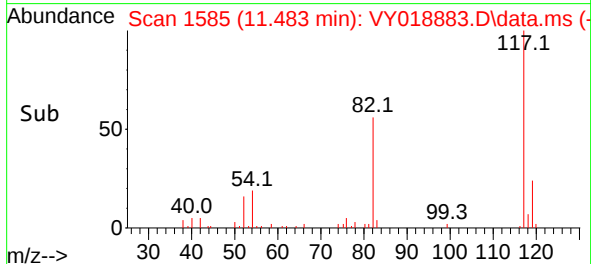
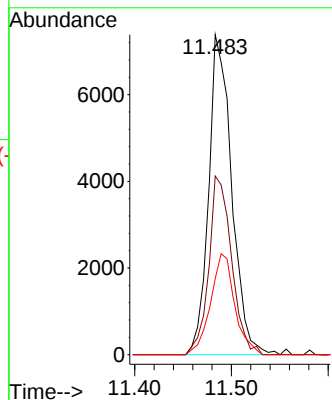
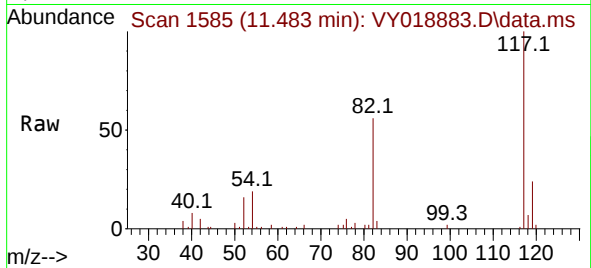




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

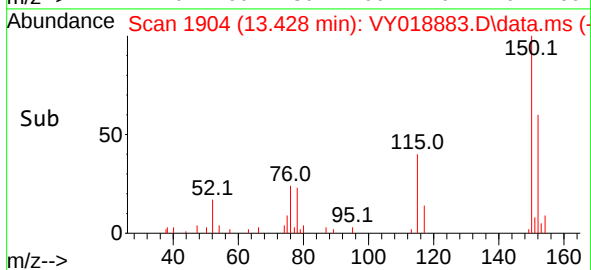
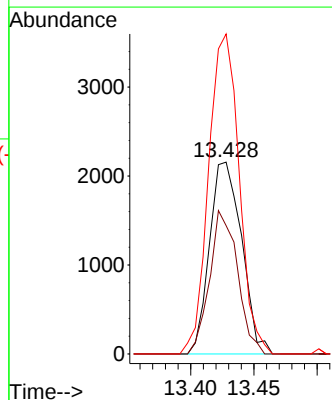
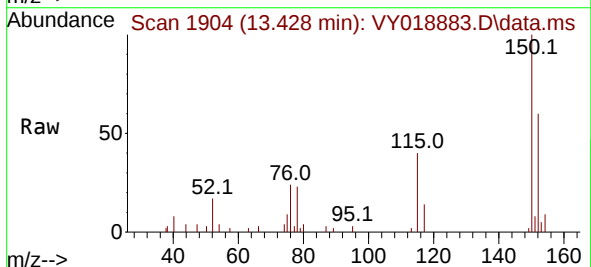
Instrument :
MSVOA_Y
ClientSampleId :
285-290

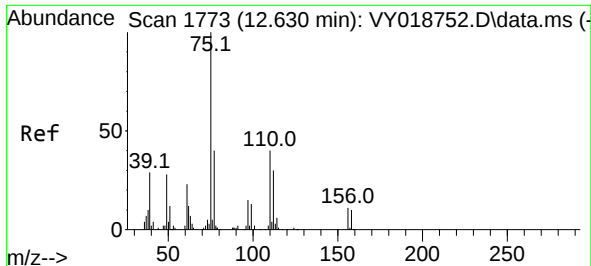
Tgt Ion:117 Resp: 12252
Ion Ratio Lower Upper
117 100
82 55.9 42.4 63.6
119 23.8 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion:152 Resp: 3807
Ion Ratio Lower Upper
152 100
115 64.9 28.2 84.7
150 158.7 0.0 345.6

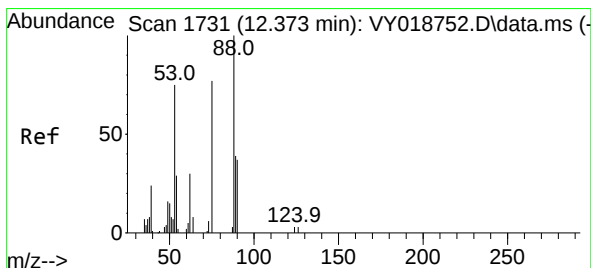
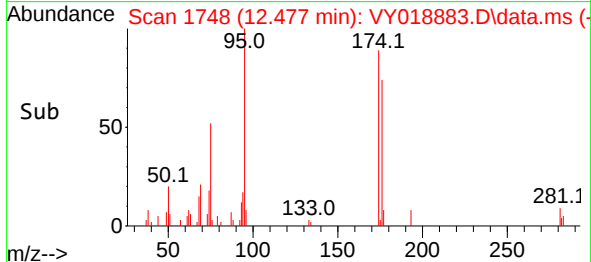
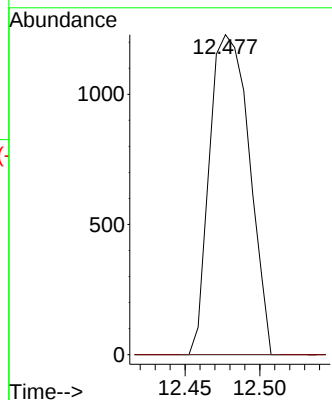
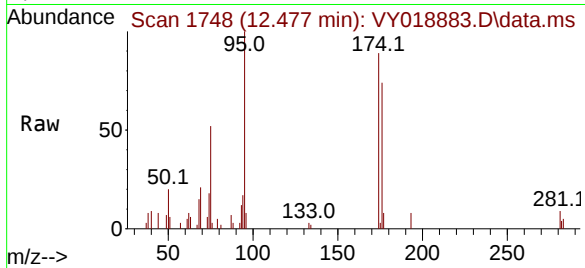




#76
1,2,3-Trichloropropane
Concen: 76.298 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
285-290

Tgt Ion: 75 Resp: 2275
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 170.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018883.D
Acq: 19 Jul 2024 15:41

Tgt Ion: 75 Resp: 2275
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

