

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018801.D
 Acq On : 12 Jul 2024 16:40
 Operator : SY/MD
 Sample : P3211-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 23:41:34 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)

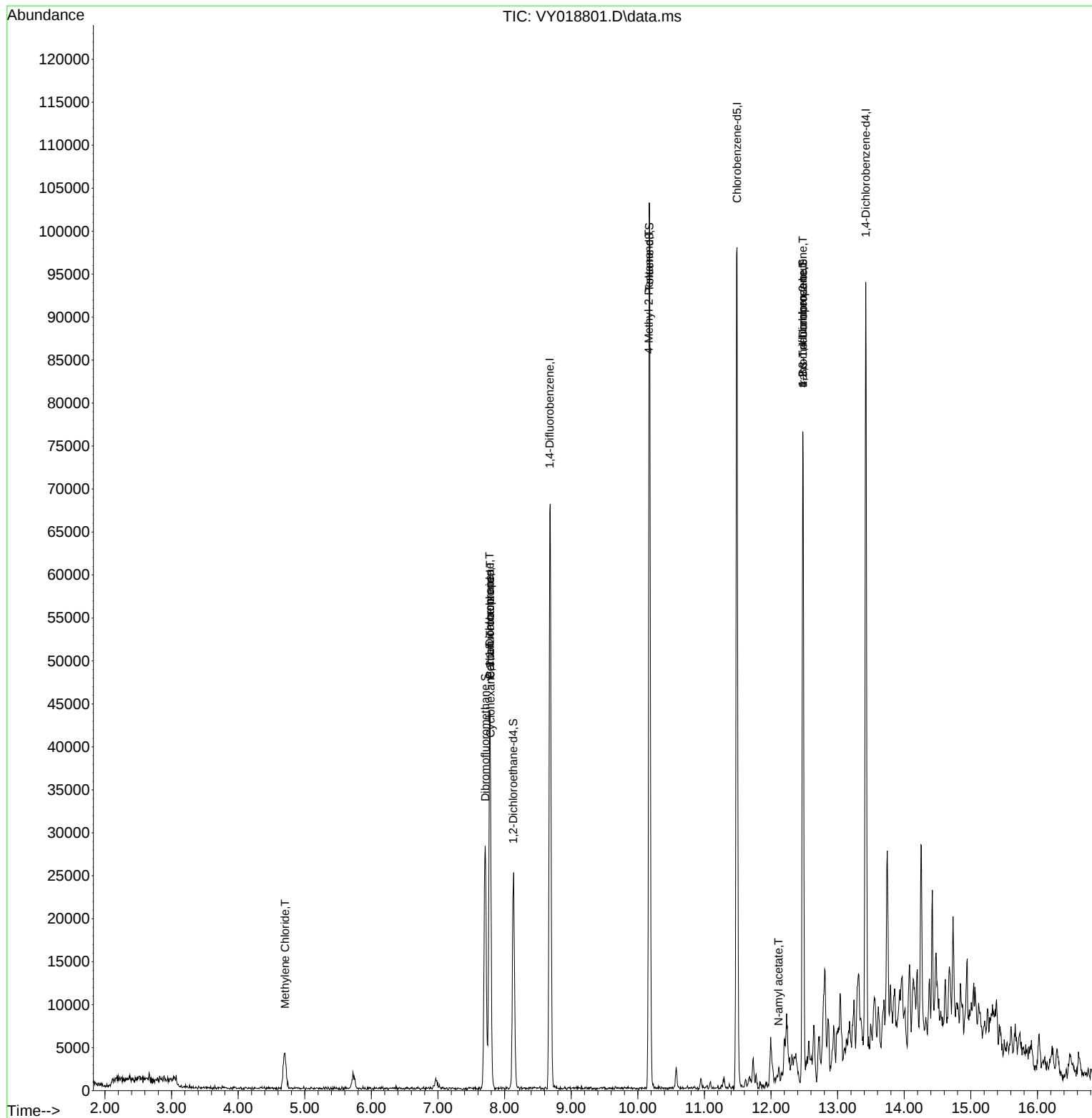
Internal Standards						
1) Pentafluorobenzene	7.783	168	34232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	58432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	54622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	22781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	19827	58.860	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.720%			
35) Dibromofluoromethane	7.709	113	20086	54.884	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.760%			
50) Toluene-d8	10.172	98	68000	49.044	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.477	95	22807	48.167	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.340%			
Target Compounds						Qvalue
20) Methylene Chloride	4.704	84	3419	5.282	ug/l #	85
31) Cyclohexane	7.789	56	669	1.293	ug/l #	38
36) 1,1-Dichloropropene	7.777	75	2481	4.912	ug/l #	49
38) Carbon Tetrachloride	7.783	117	3804	6.254	ug/l #	17
51) 4-Methyl-2-Pentanone	10.166	43	276	1.294	ug/l #	1
74) N-amyl acetate	12.111	43	481	1.411	ug/l #	41
76) 1,2,3-Trichloropropane	12.477	75	12091	67.765	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12091	151.662	ug/l #	16

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

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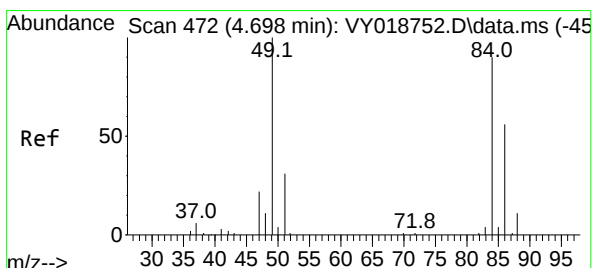
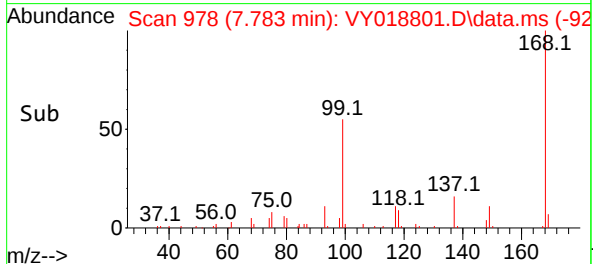
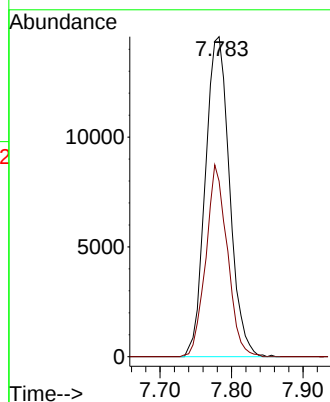
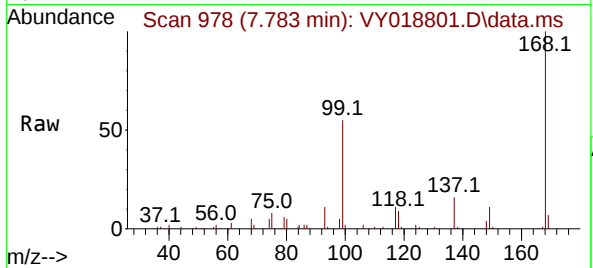




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

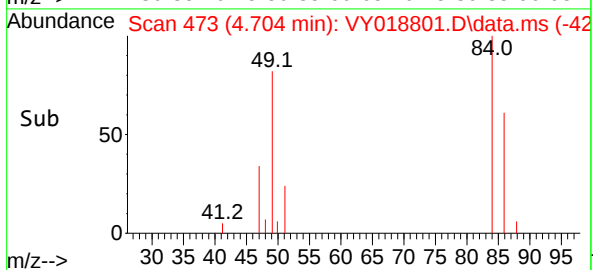
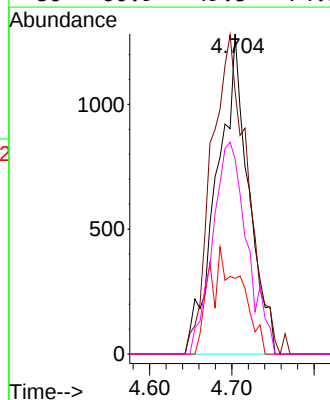
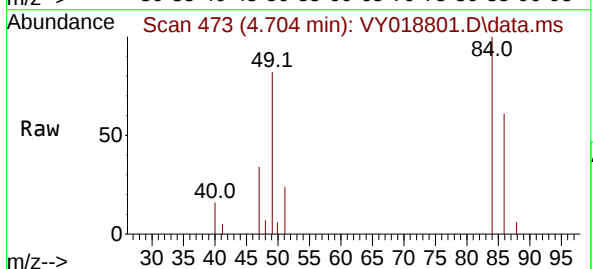
Instrument :
MSVOA_Y
ClientSampleId :

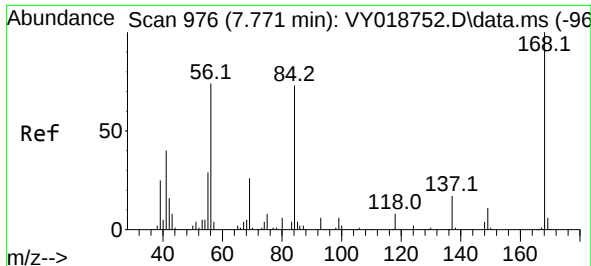
Tgt Ion:168 Resp: 34232
Ion Ratio Lower Upper
168 100
99 54.8 39.1 58.7



#20
Methylene Chloride
Concen: 5.282 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion: 84 Resp: 3419
Ion Ratio Lower Upper
84 100
49 82.1 84.4 126.6#
51 23.6 26.0 39.0#
86 60.9 49.5 74.3

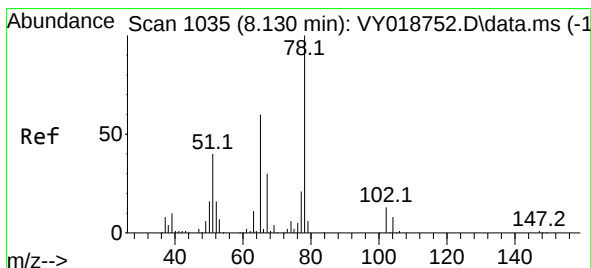
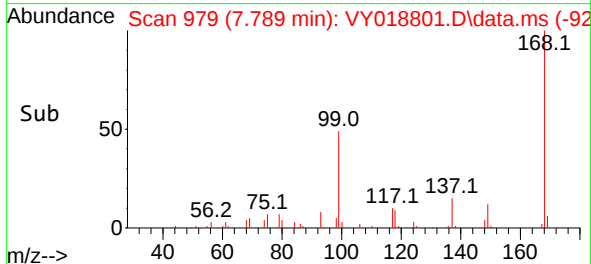
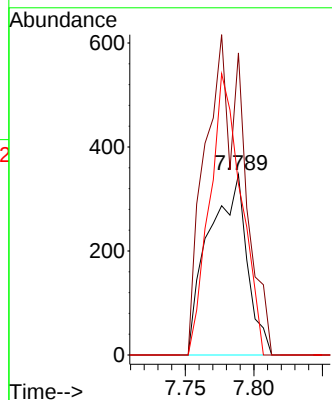
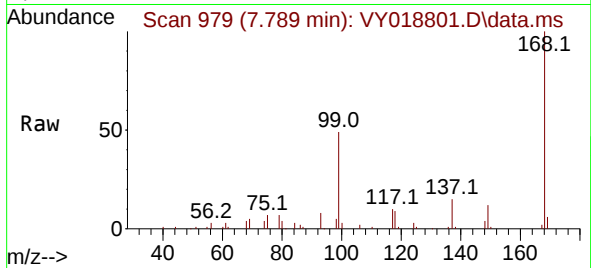




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

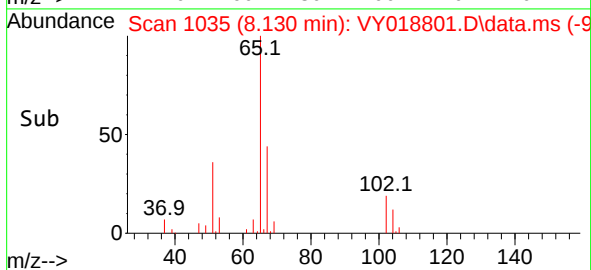
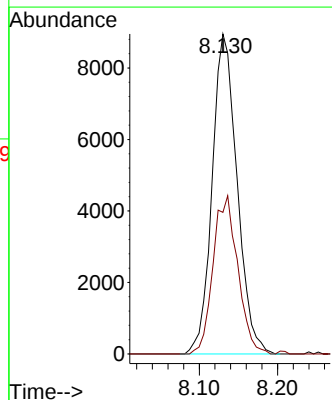
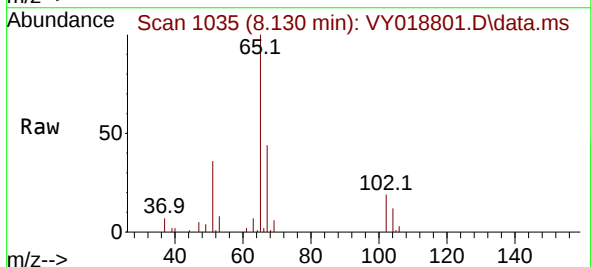
Instrument :
MSVOA_Y
ClientSampleId :

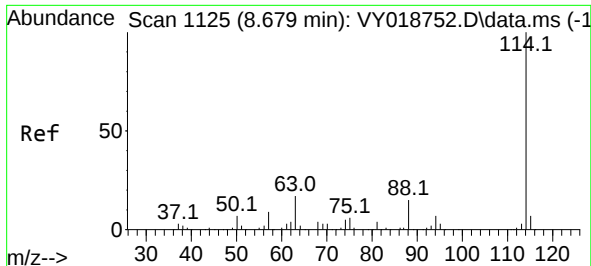
Tgt Ion: 56 Resp: 669
Ion Ratio Lower Upper
56 100
69 167.4 28.7 43.1#
84 94.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 58.860 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion: 65 Resp: 19827
Ion Ratio Lower Upper
65 100
67 48.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018801.D

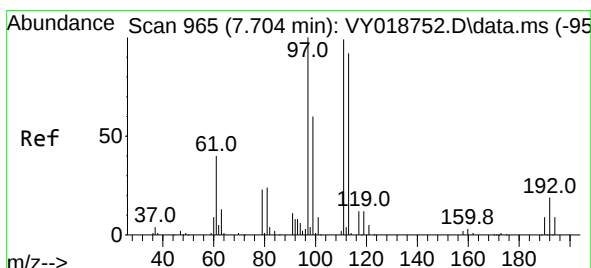
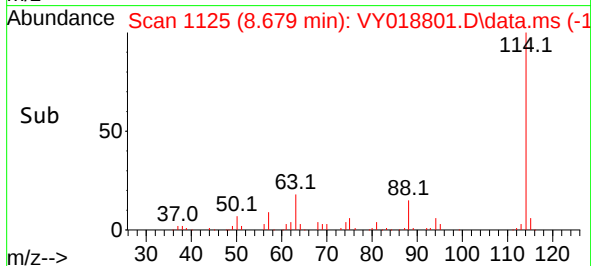
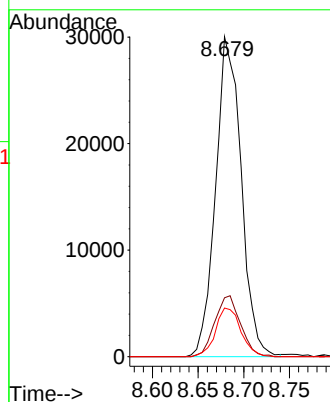
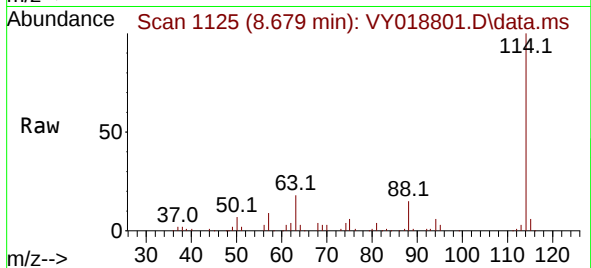
Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	58432
Ion Ratio	Lower	Upper
114	100	
63	18.4	0.0 35.0
88	15.2	0.0 27.2



#35

Dibromofluoromethane

Concen: 54.884 ug/l

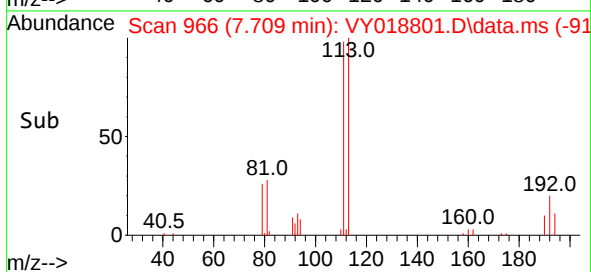
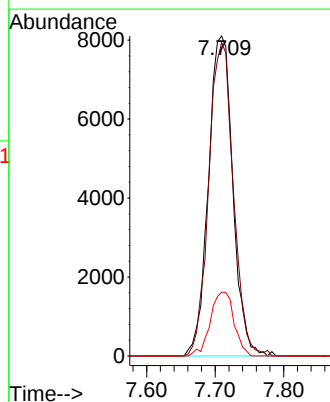
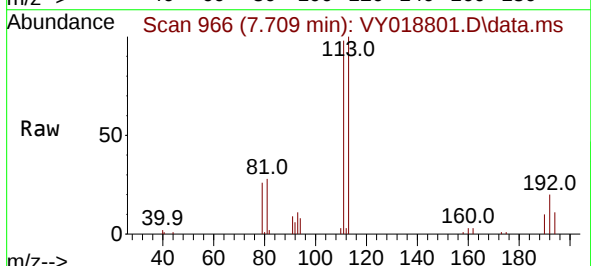
RT: 7.709 min Scan# 966

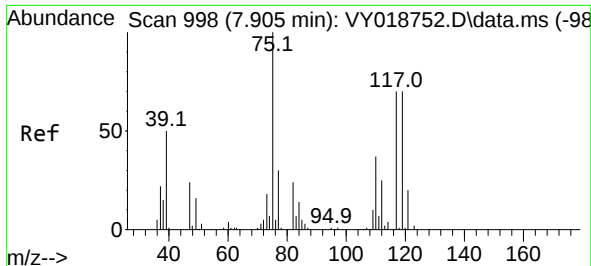
Delta R.T. 0.006 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Tgt Ion:113	Resp:	20086
Ion Ratio	Lower	Upper
113	100	
111	98.2	82.2 123.4
192	19.3	15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

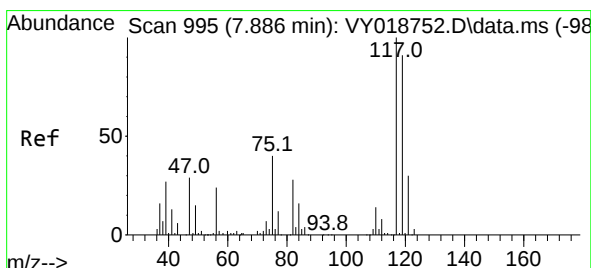
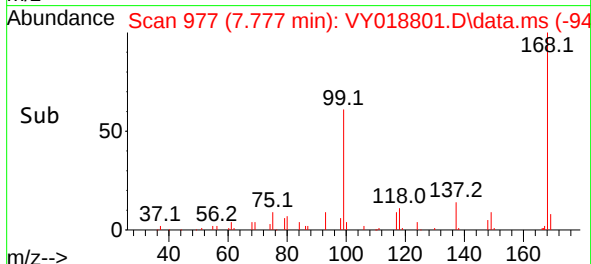
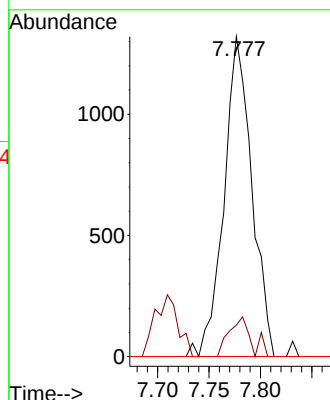
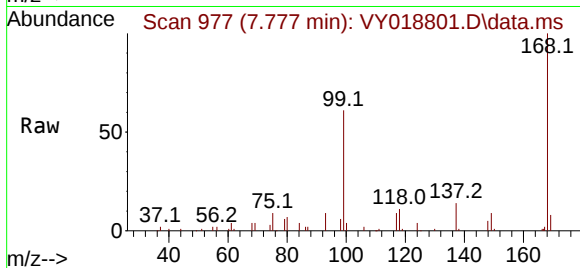
Tgt Ion: 75 Resp: 2481

Ion Ratio Lower Upper

75 100

110 9.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.254 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.104 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

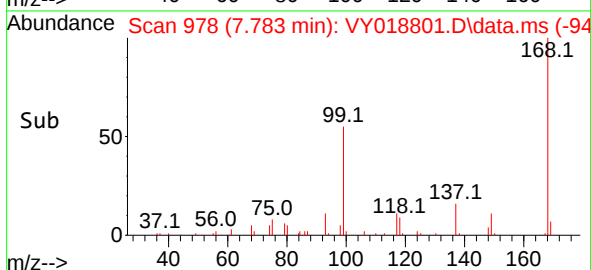
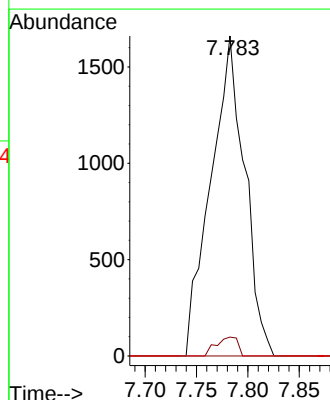
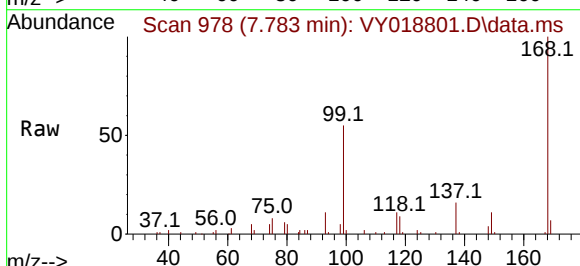
Tgt Ion: 117 Resp: 3804

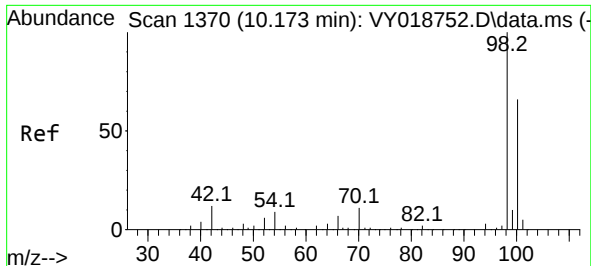
Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

121 0.0 24.0 36.0#

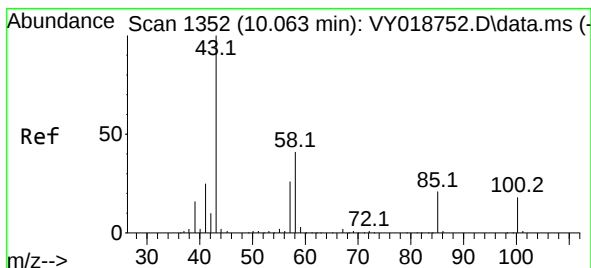
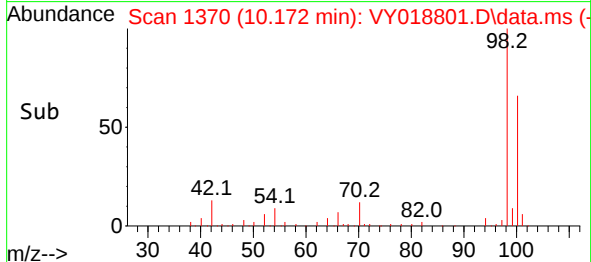
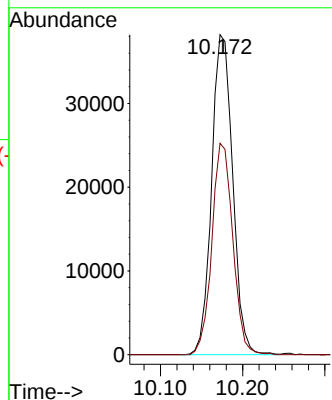
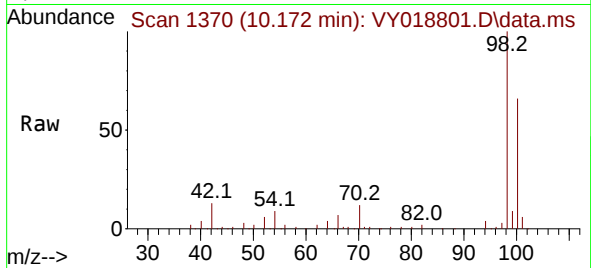




#50
Toluene-d8
Concen: 49.044 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

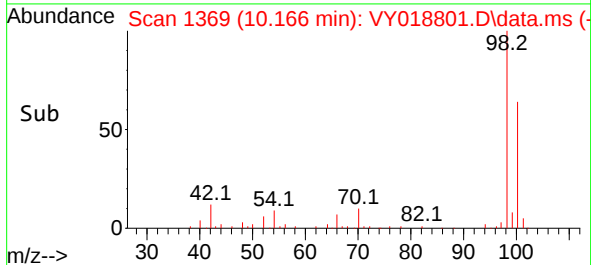
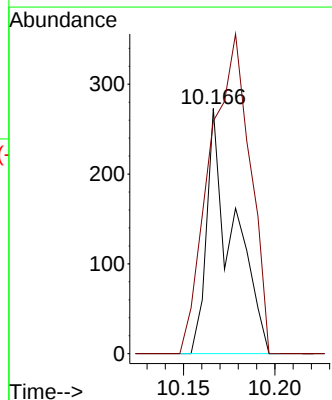
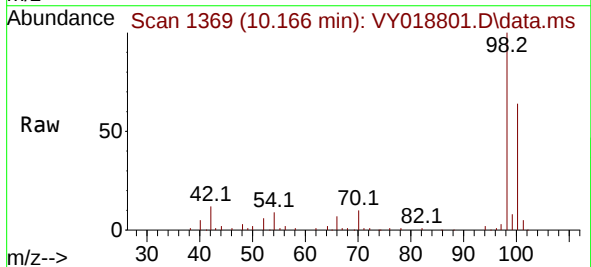
Instrument :
MSVOA_Y
ClientSampleId :

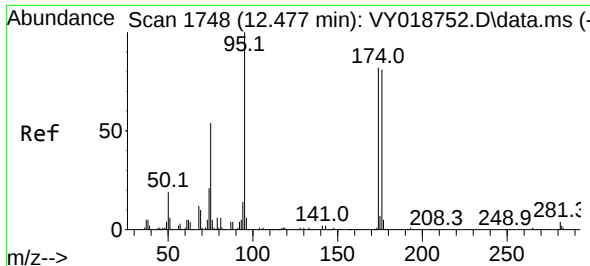
Tgt Ion: 98 Resp: 68000
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 10.166 min Scan# 1369
Delta R.T. 0.103 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
58 197.5 35.7 53.5#

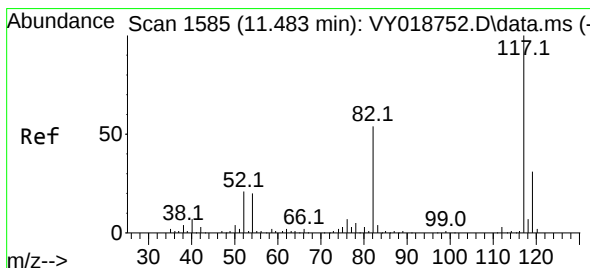
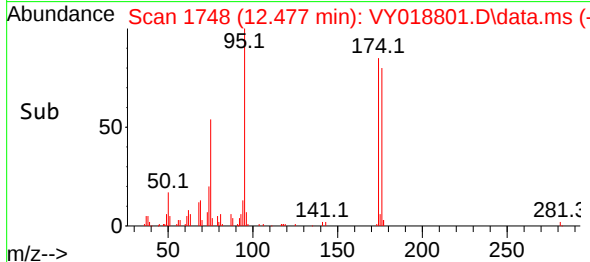
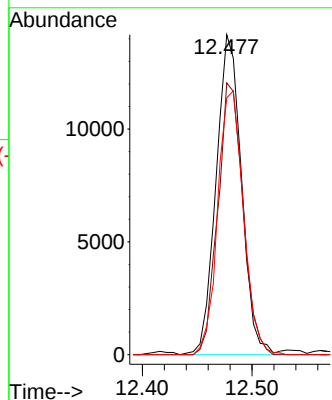
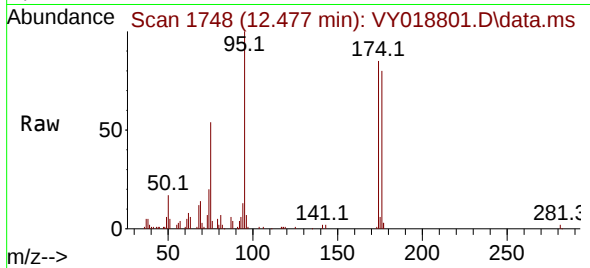




#62
4-Bromofluorobenzene
Concen: 48.167 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

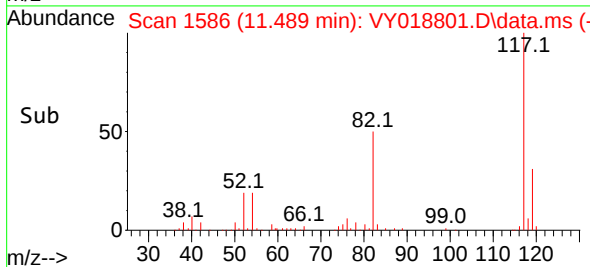
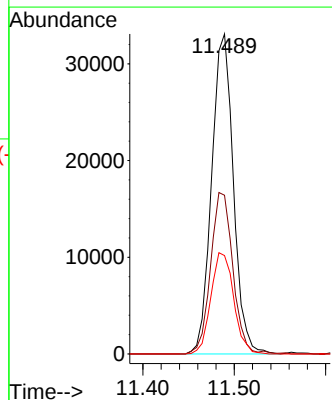
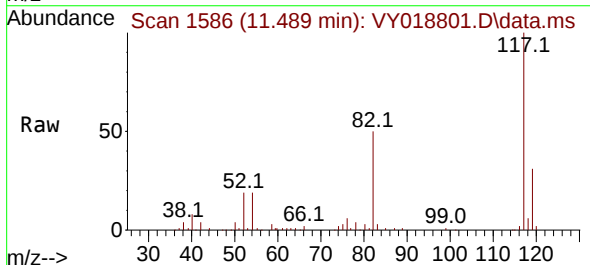
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ClientSampleId :

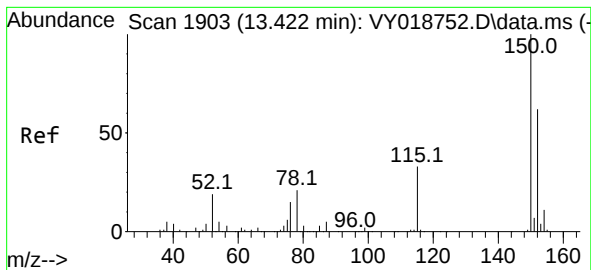
Tgt Ion:	95	Resp:	22807
Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	175.6
176	83.7	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018801.D
Acq: 12 Jul 2024 16:40

Tgt Ion:	117	Resp:	54622
Ion	Ratio	Lower	Upper
117	100		
82	49.6	42.4	63.6
119	30.7	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

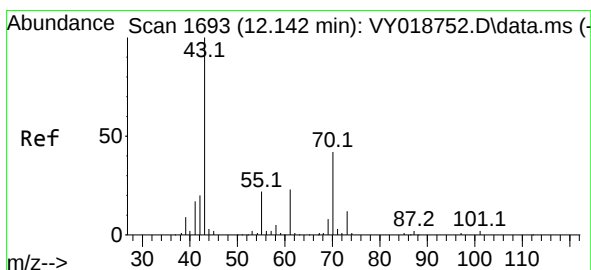
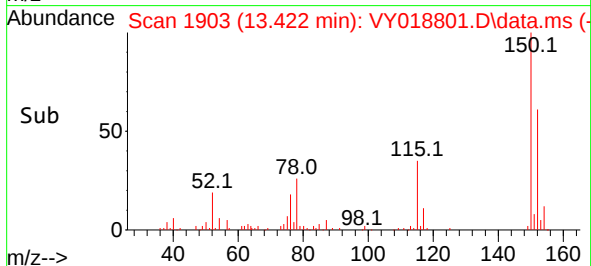
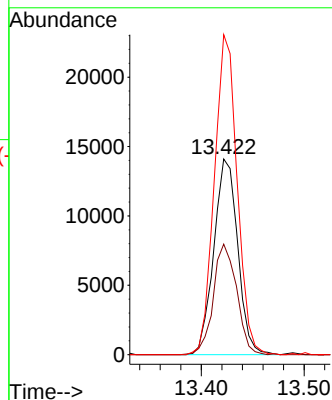
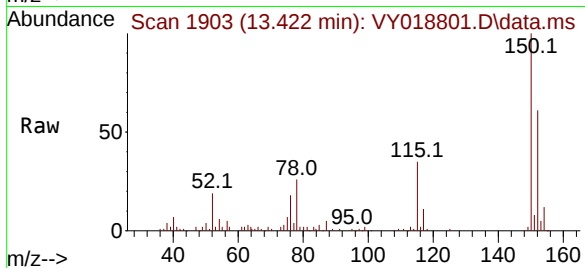
Tgt Ion:152 Resp: 22781

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 155.6 0.0 345.6



#74

N-ethyl acetate

Concen: 1.411 ug/l

RT: 12.111 min Scan# 1688

Delta R.T. -0.031 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Tgt Ion: 43 Resp: 481

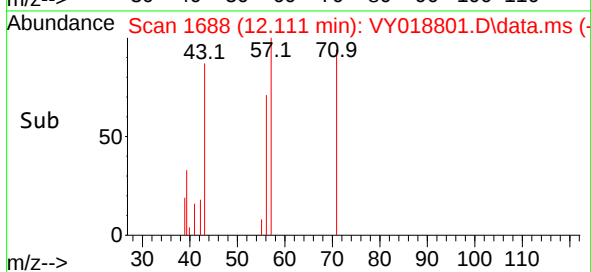
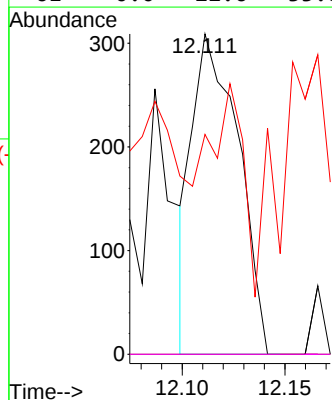
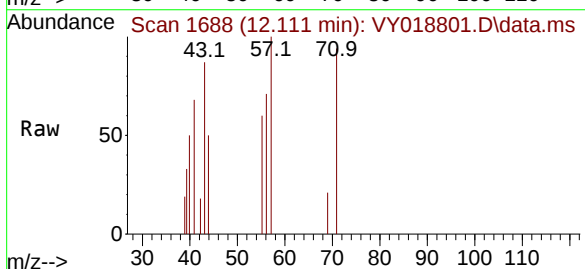
Ion Ratio Lower Upper

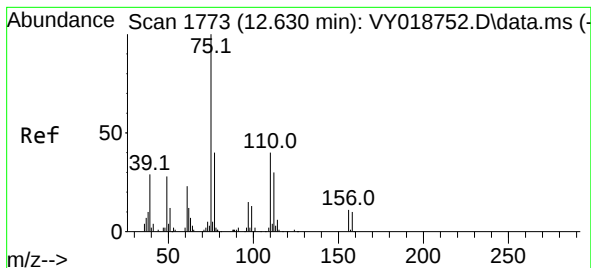
43 100

70 0.0 41.4 62.2#

55 49.5 23.3 34.9#

61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 67.765 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Instrument :

MSVOA_Y

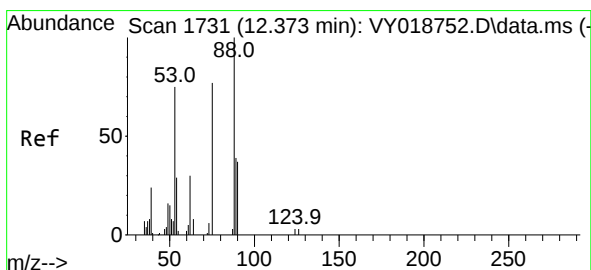
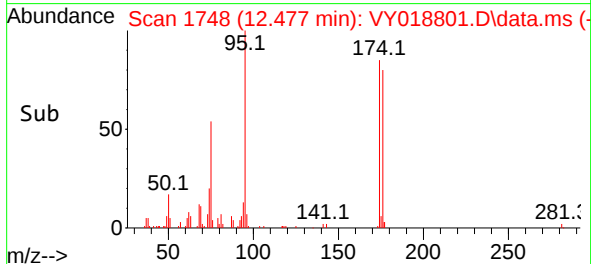
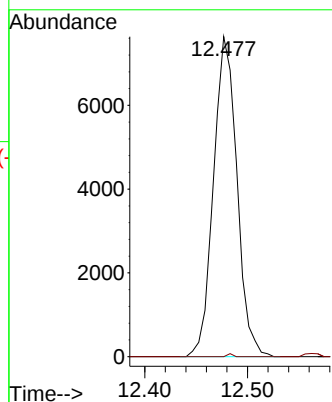
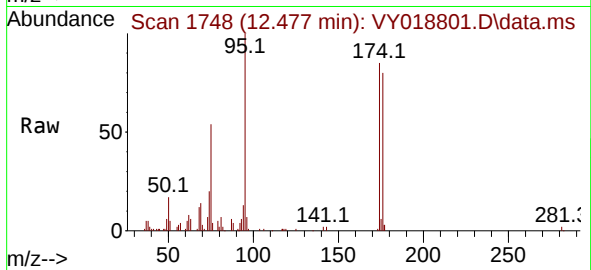
ClientSampleId :

Tgt Ion: 75 Resp: 12091

Ion Ratio Lower Upper

75 100

77 0.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.662 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY018801.D

Acq: 12 Jul 2024 16:40

Tgt Ion: 75 Resp: 12091

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

