

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009685.D
 Acq On : 25 Jul 2022 15:02
 Operator : KP/MD
 Sample : N3857-01
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Jul 26 05:56:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

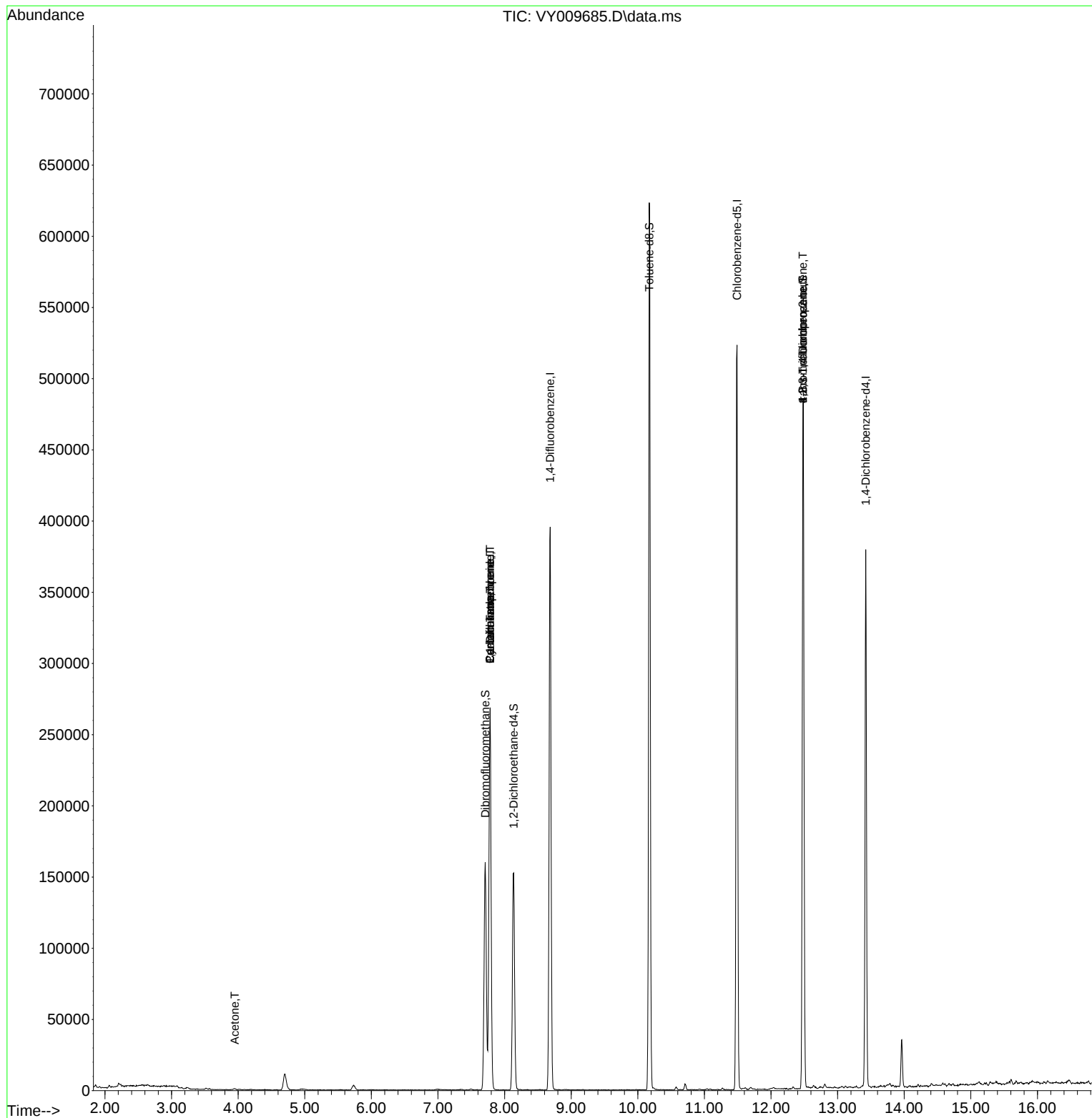
Internal Standards						
1) Pentafluorobenzene	7.783	168	220302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	310166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118773	57.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.020%	
35) Dibromofluoromethane	7.710	113	113129	50.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.173	98	408487	47.183	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 94.360%	
62) 4-Bromofluorobenzene	12.477	95	114631	40.862	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 81.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	1318	Below Cal	#	77
16) Acetone	3.948	43	1406	2.668	ug/l #	85
20) Methylene Chloride	4.704	84	8534	Below Cal	#	85
31) Cyclohexane	7.783	56	3837	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14781	4.442	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19634	5.636	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	57670	60.081	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57670	118.467	ug/l #	8

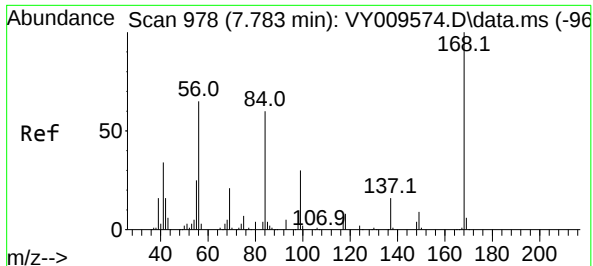
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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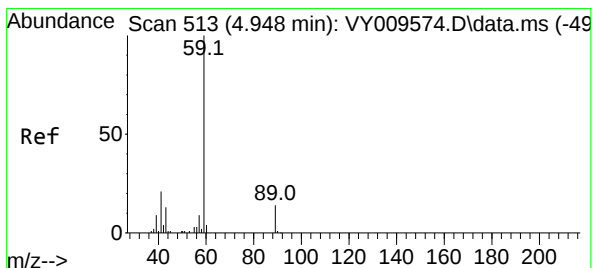
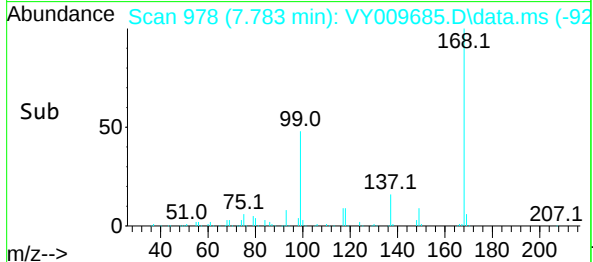
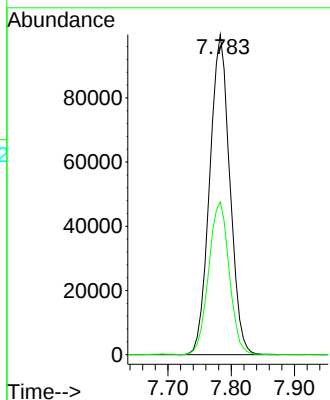
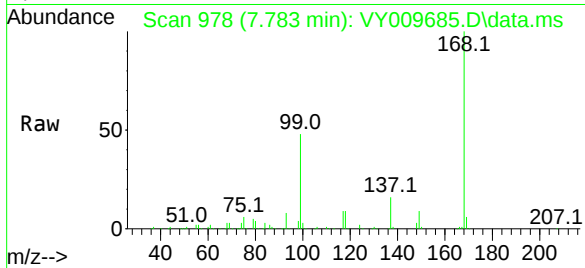




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

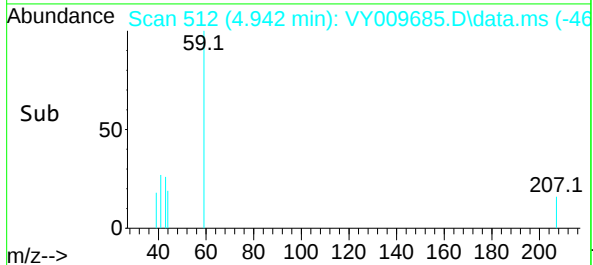
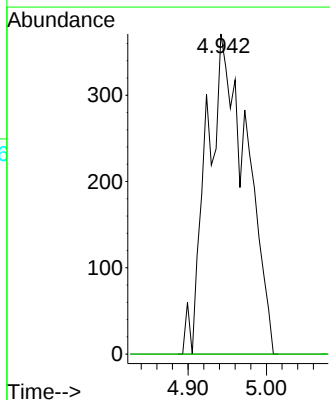
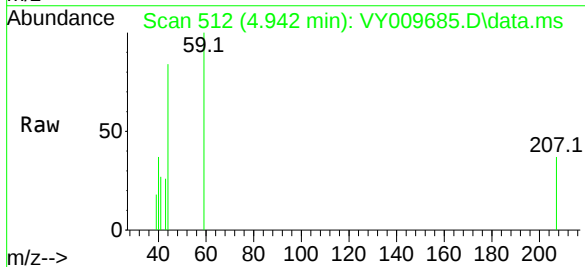
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

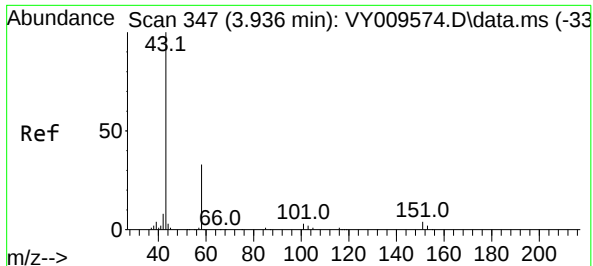
Tgt Ion:168 Resp: 220302
Ion Ratio Lower Upper
168 100
99 47.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

Tgt Ion: 59 Resp: 1318
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.668 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.012 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

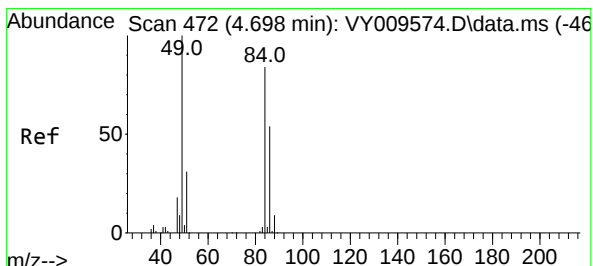
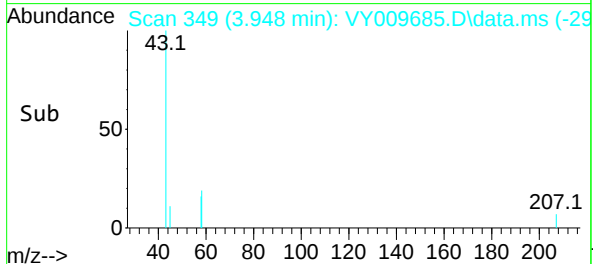
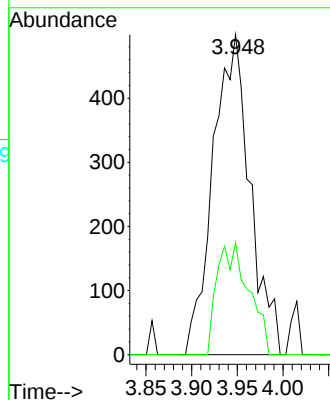
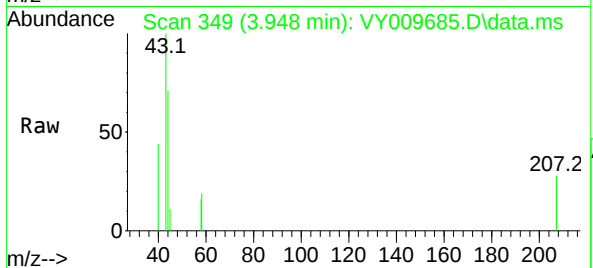
TP-3

Tgt Ion: 43 Resp: 1406

Ion Ratio Lower Upper

43 100

58 35.1 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

Tgt Ion: 84 Resp: 8534

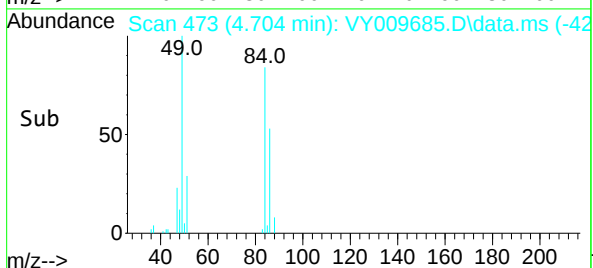
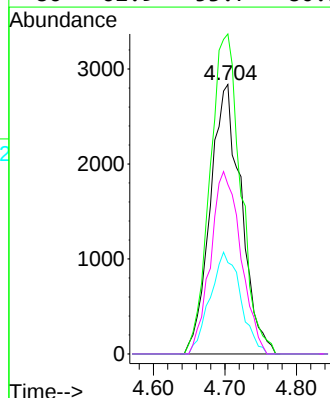
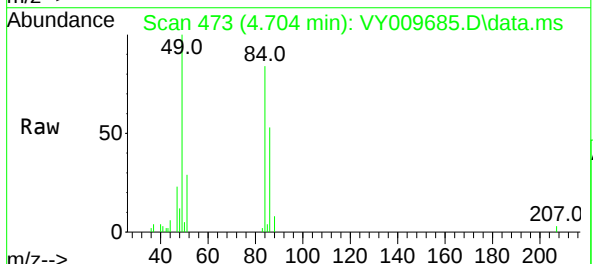
Ion Ratio Lower Upper

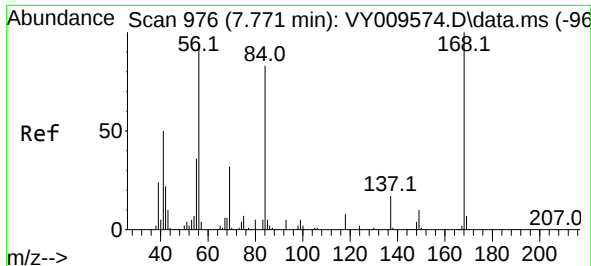
84 100

49 118.8 114.4 171.6

51 33.9 35.3 52.9#

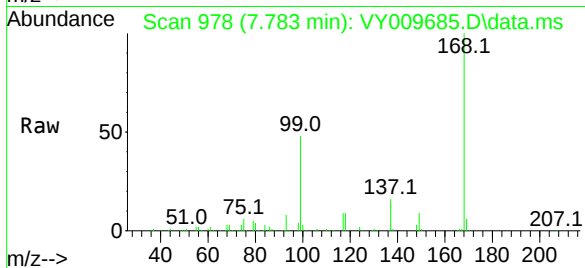
86 62.9 53.7 80.5



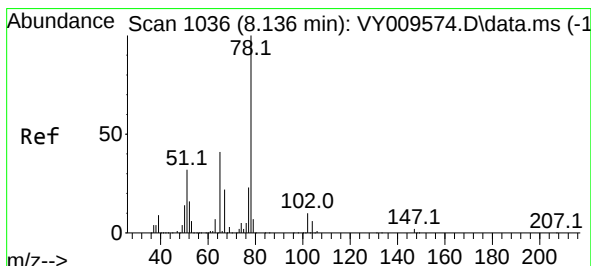
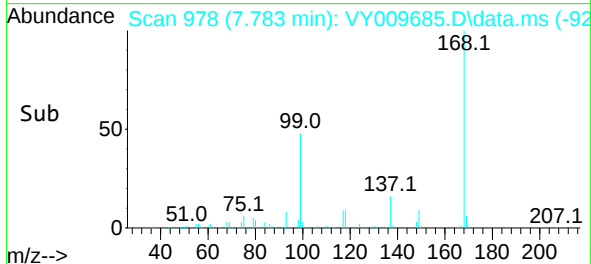
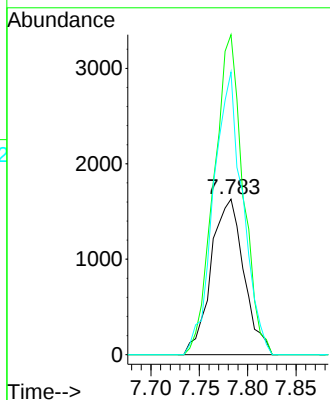


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

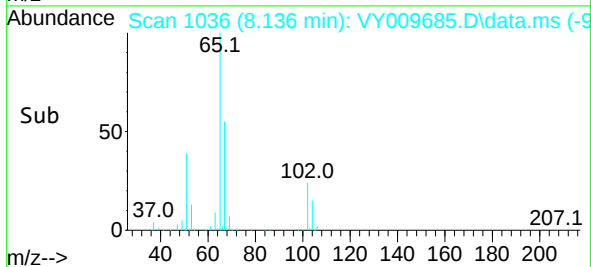
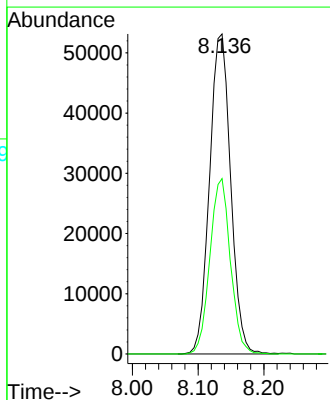
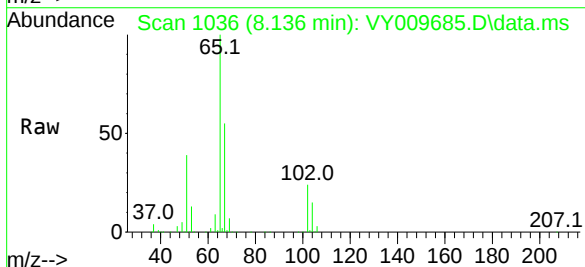


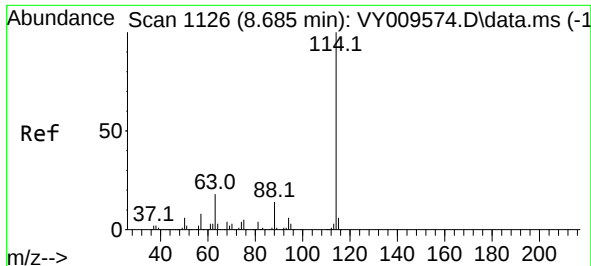
Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 205.8 26.7 40.1#
84 181.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.006 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

Tgt Ion: 65 Resp: 118773
Ion Ratio Lower Upper
65 100
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

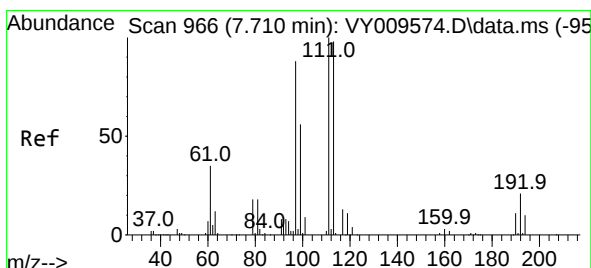
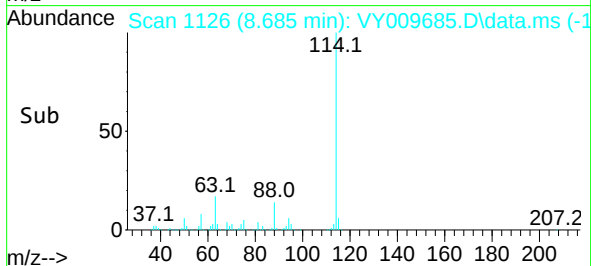
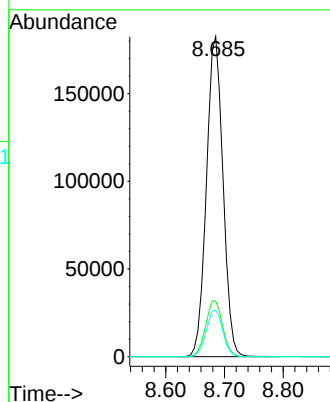
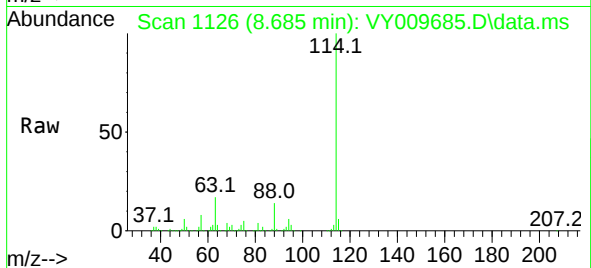
Tgt Ion:114 Resp: 357469

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.234 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

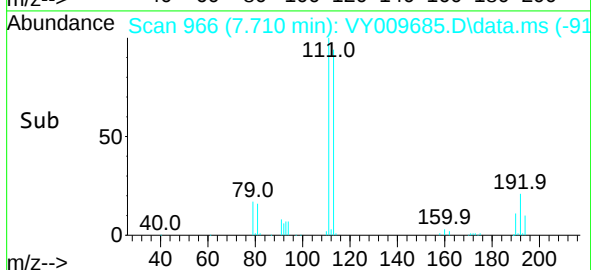
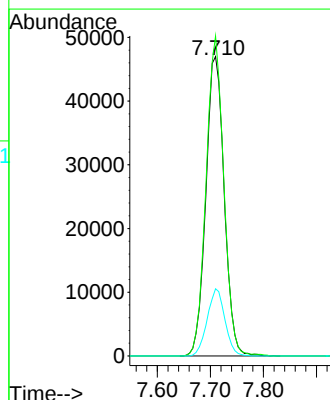
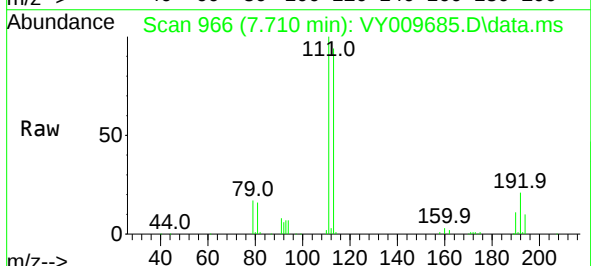
Tgt Ion:113 Resp: 113129

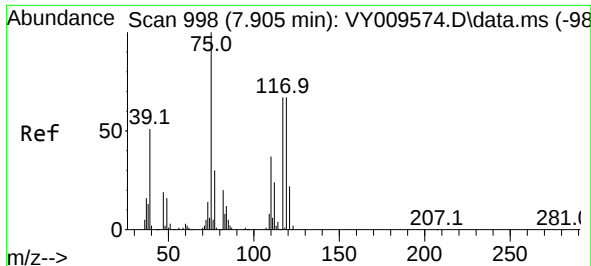
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 21.6 17.6 26.4

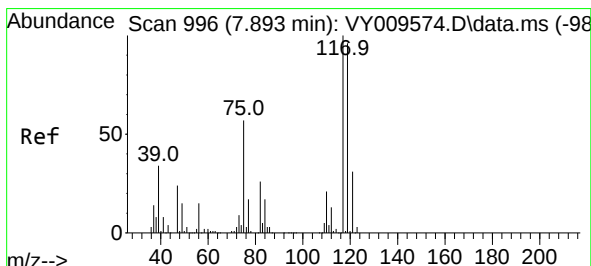
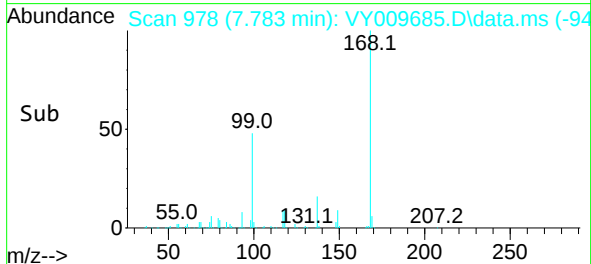
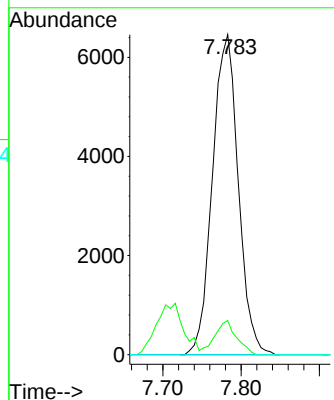
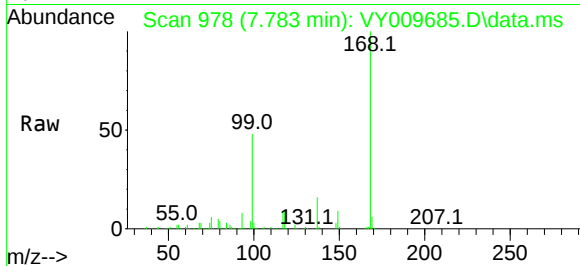




#36
 1,1-Dichloropropene
 Concen: 4.442 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY009685.D
 Acq: 25 Jul 2022 15:02

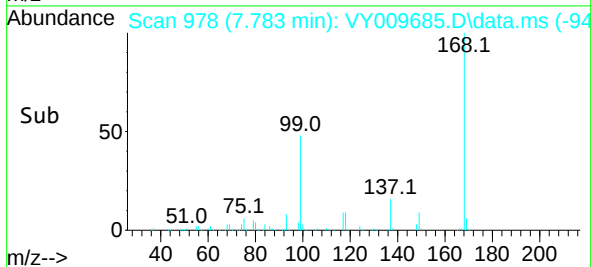
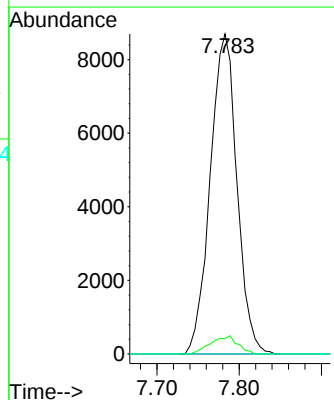
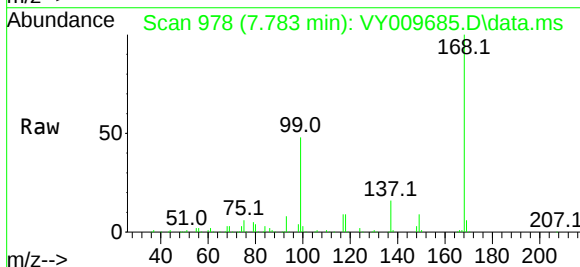
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

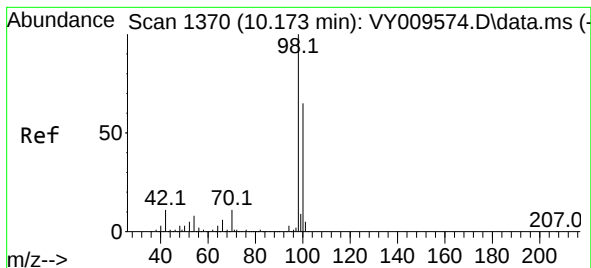
Tgt Ion: 75 Resp: 14781
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.636 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009685.D
 Acq: 25 Jul 2022 15:02

Tgt Ion: 117 Resp: 19634
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.9 116.9#
 121 0.0 24.8 37.2#

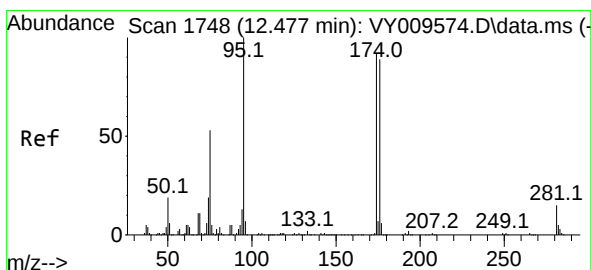
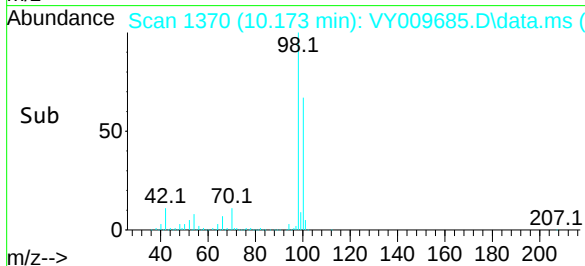
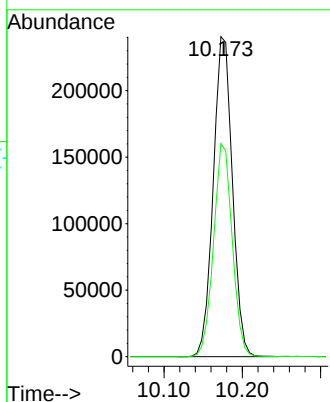
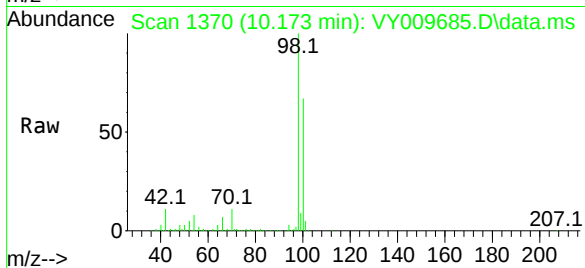




#50
Toluene-d8
Concen: 47.183 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

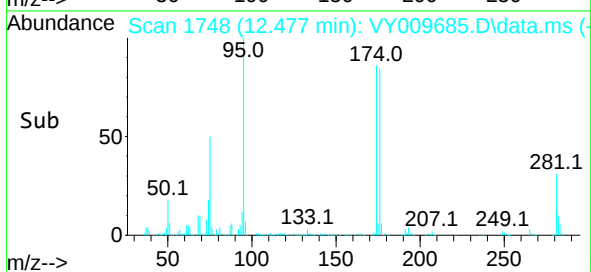
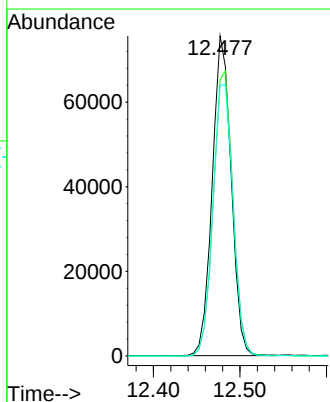
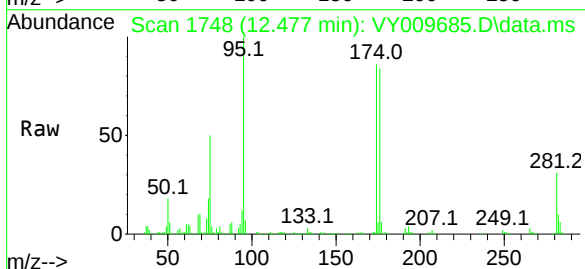
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

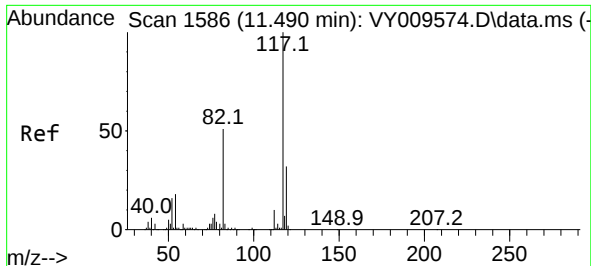
Tgt Ion: 98 Resp: 408487
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.862 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

Tgt Ion: 95 Resp: 114631
Ion Ratio Lower Upper
95 100
174 93.0 0.0 177.0
176 90.4 0.0 175.8

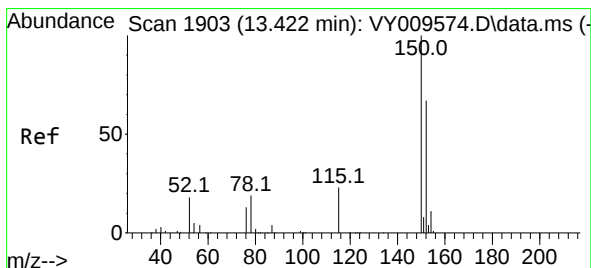
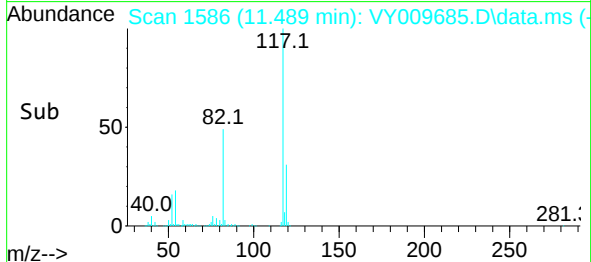
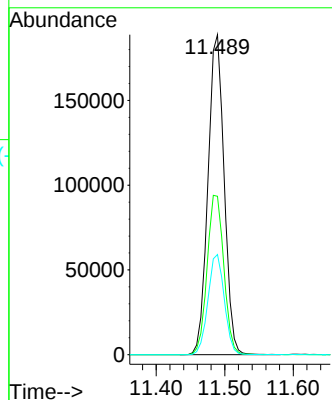
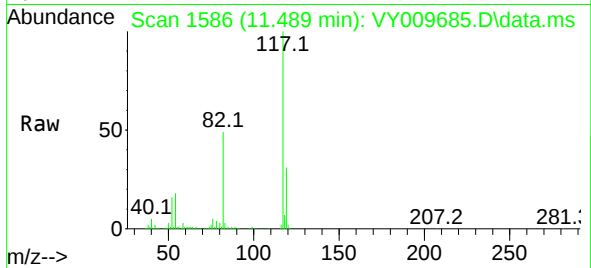




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

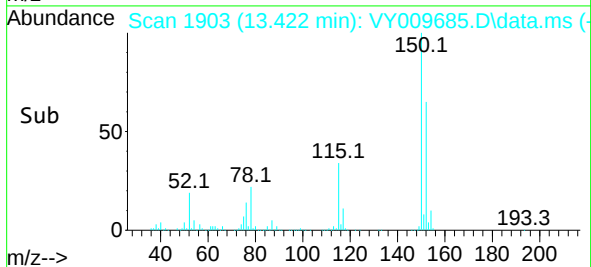
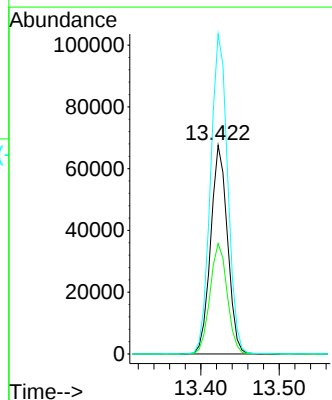
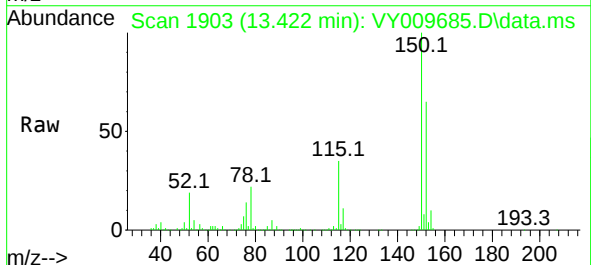
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

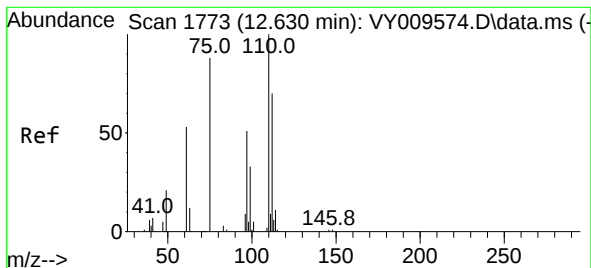
Tgt Ion:117 Resp: 310166
Ion Ratio Lower Upper
117 100
82 49.5 43.0 64.4
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009685.D
Acq: 25 Jul 2022 15:02

Tgt Ion:152 Resp: 100762
Ion Ratio Lower Upper
152 100
115 53.9 28.2 84.7
150 156.3 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 60.081 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

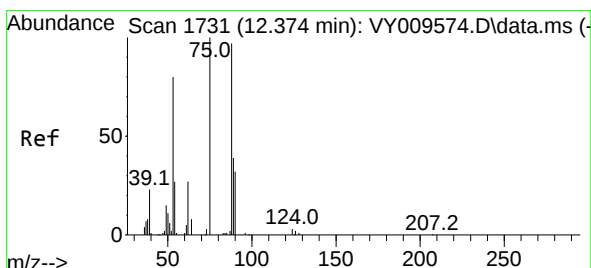
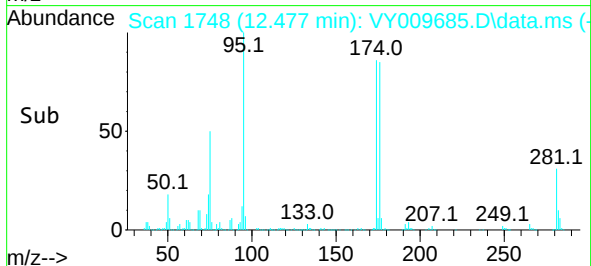
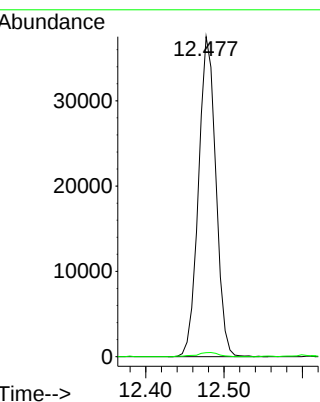
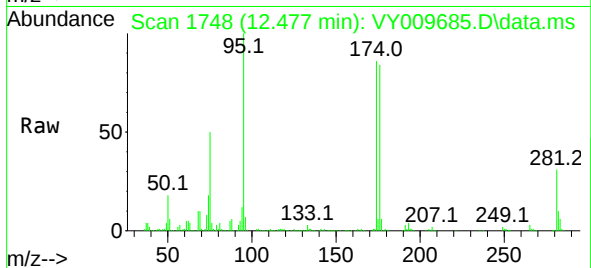
TP-3

Tgt Ion: 75 Resp: 57670

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.467 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY009685.D

Acq: 25 Jul 2022 15:02

Tgt Ion: 75 Resp: 57670

Ion Ratio Lower Upper

75 100

53 0.3 85.3 127.9#

89 0.9 37.0 55.4#

