

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017976.D
 Acq On : 18 Apr 2024 15:15
 Operator : SY/MD
 Sample : P2147-11
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-7

Quant Time: Apr 19 02:01:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

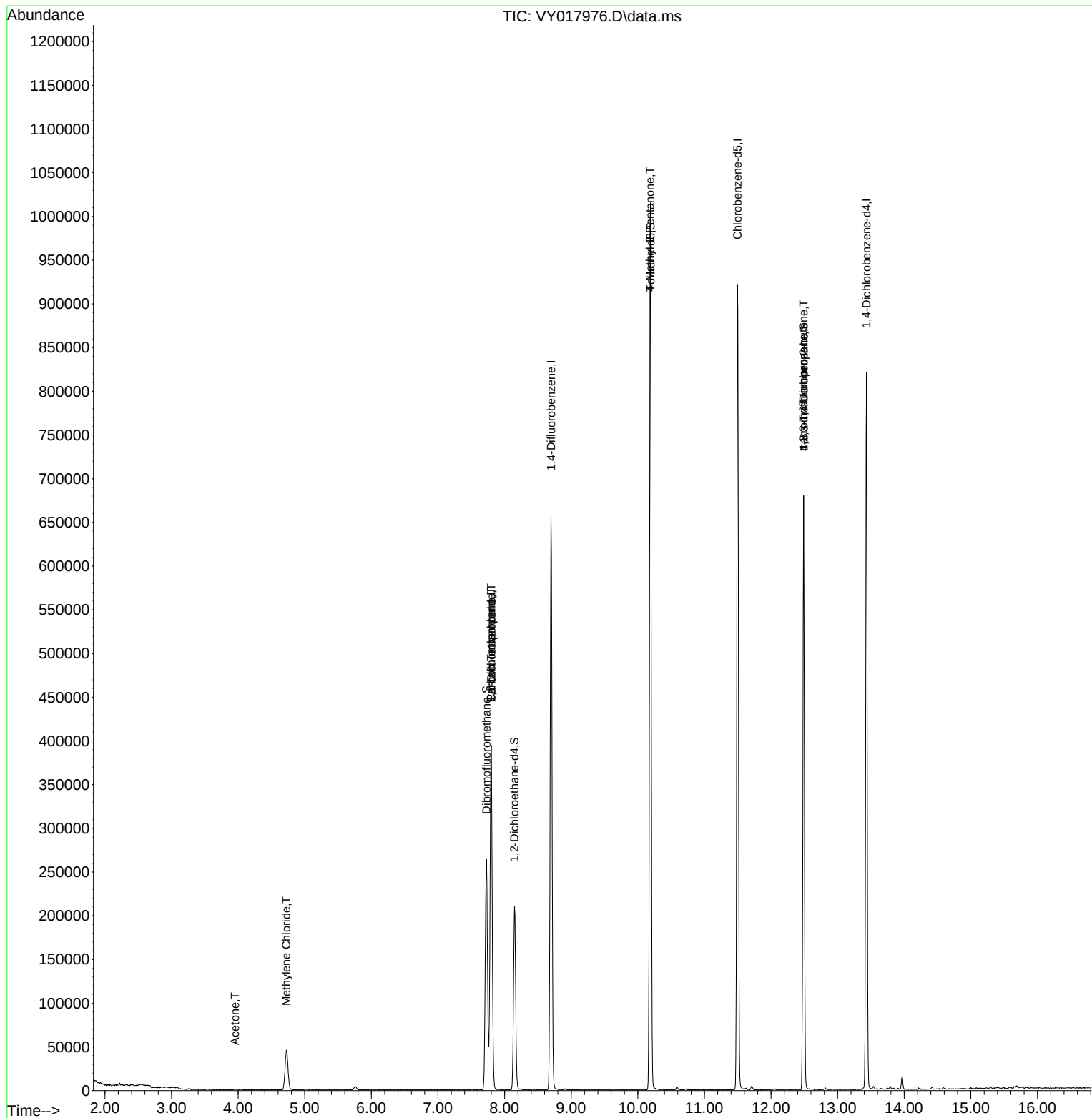
Internal Standards						
1) Pentafluorobenzene	7.801	168	339118	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	602808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	559400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	223921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	161581	55.06	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.12%
35) Dibromofluoromethane	7.728	113	193397	52.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.00%
50) Toluene-d8	10.191	98	699116	49.54	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.08%
62) 4-Bromofluorobenzene	12.489	95	201305	46.06	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.12%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.935	59	69	Below Cal	#	88
16) Acetone	3.954	43	1145	1.97	ug/l	97
20) Methylene Chloride	4.722	84	38717	9.86	ug/l	96
36) 1,1-Dichloropropene	7.801	75	22278	4.12	ug/l #	47
38) Carbon Tetrachloride	7.801	117	29809	5.46	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	2259	1.03	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	96417	45.89	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	96417	94.61	ug/l #	16

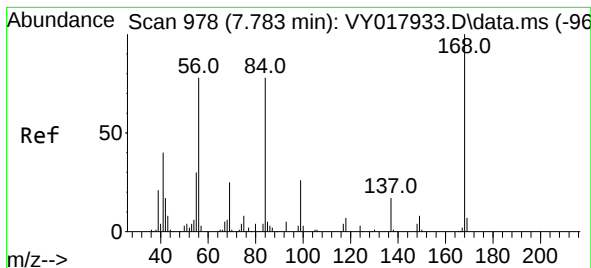
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:24:42 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

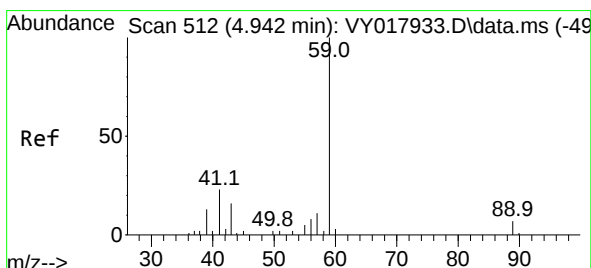
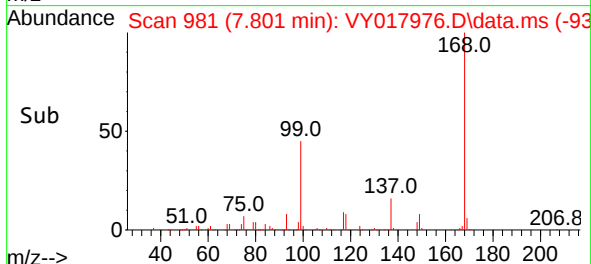
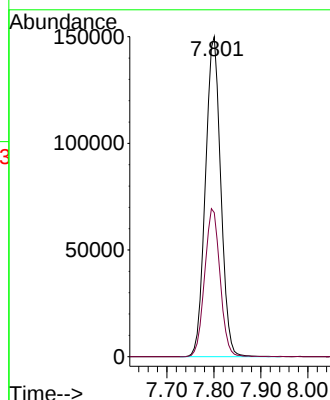
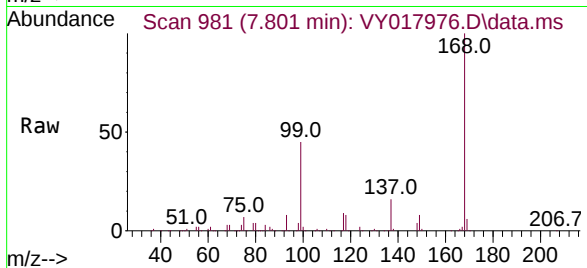
GRAB-7

Tgt Ion:168 Resp: 339118

Ion Ratio Lower Upper

168 100

99 45.0 39.1 58.7



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.935 min Scan# 511

Delta R.T. -0.019 min

Lab File: VY017976.D

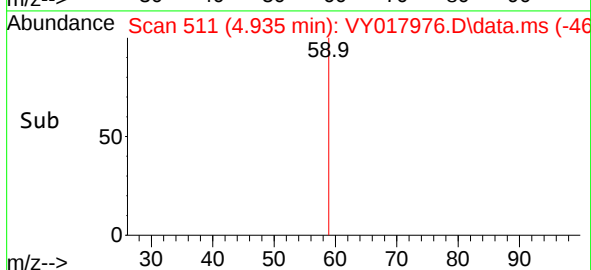
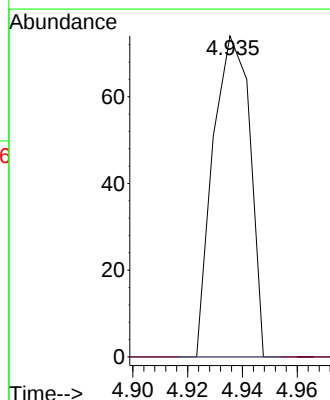
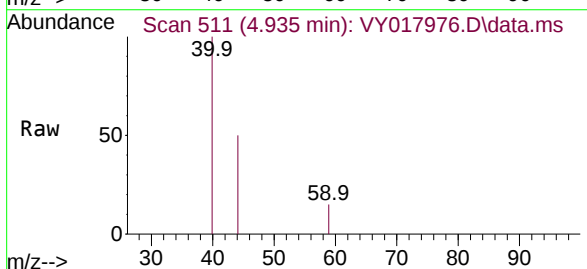
Acq: 18 Apr 2024 15:15

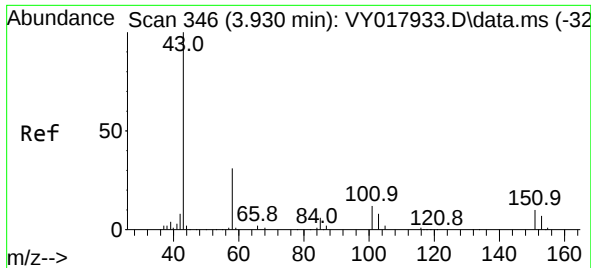
Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#





#16

Acetone

Concen: 1.97 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

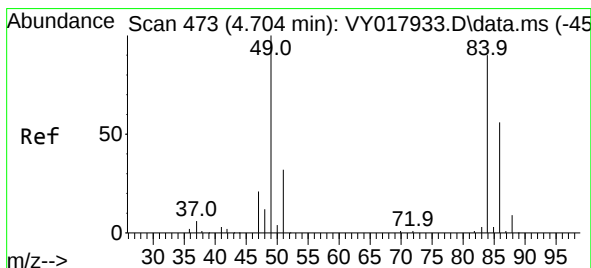
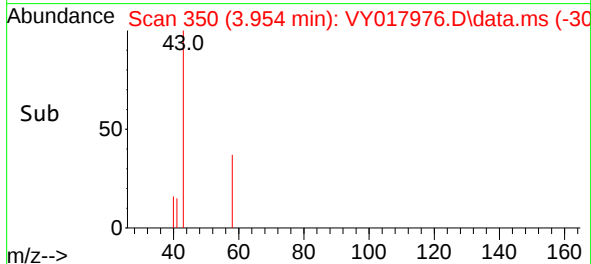
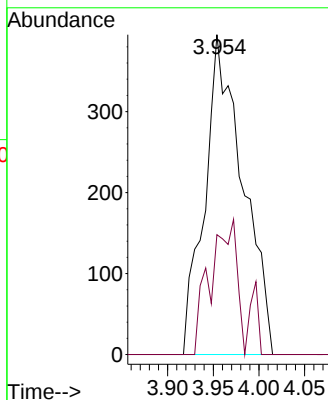
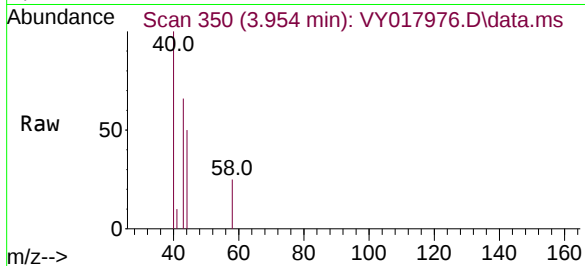
GRAB-7

Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

58 37.5 31.7 47.5



#20

Methylene Chloride

Concen: 9.86 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Tgt Ion: 84 Resp: 38717

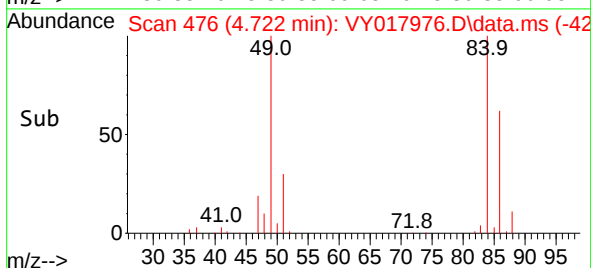
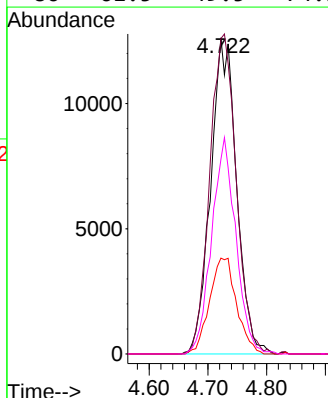
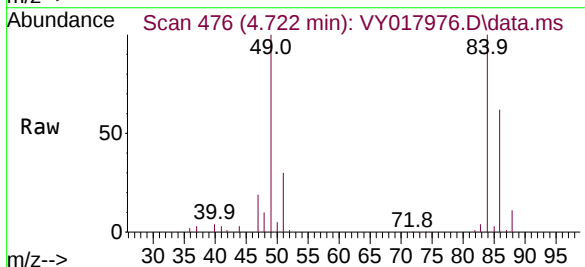
Ion Ratio Lower Upper

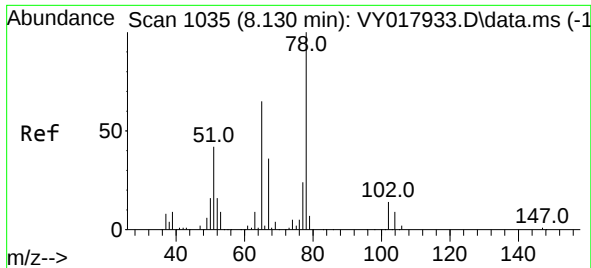
84 100

49 99.7 84.4 126.6

51 30.3 26.0 39.0

86 61.5 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 55.06 ug/l

RT: 8.148 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

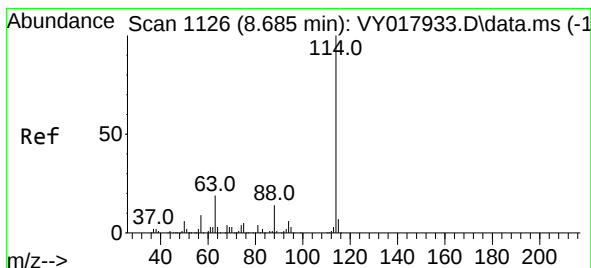
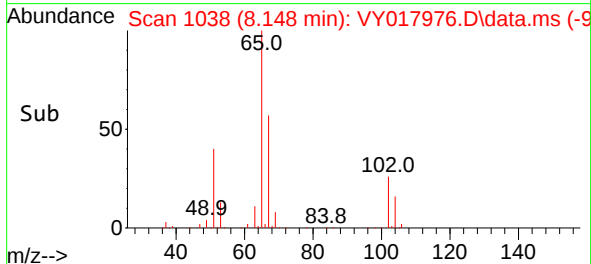
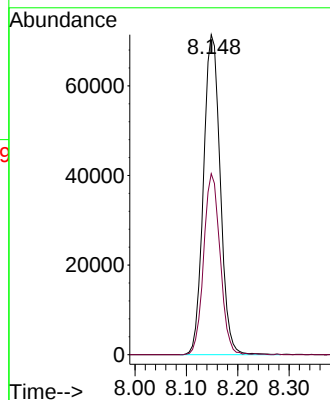
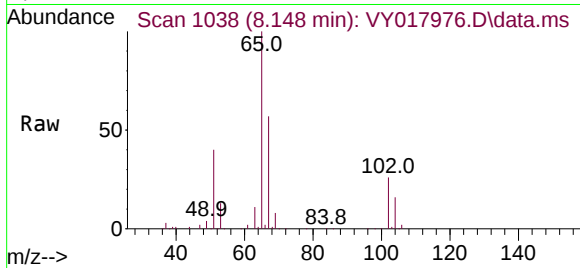
GRAB-7

Tgt Ion: 65 Resp: 161581

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

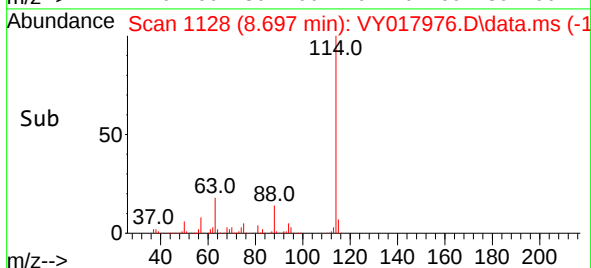
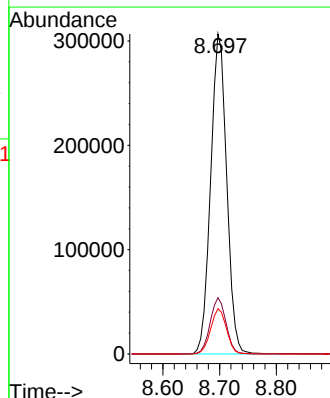
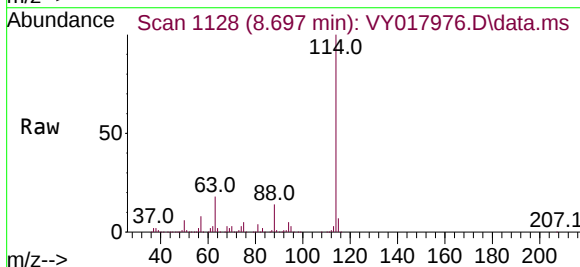
Tgt Ion: 114 Resp: 602808

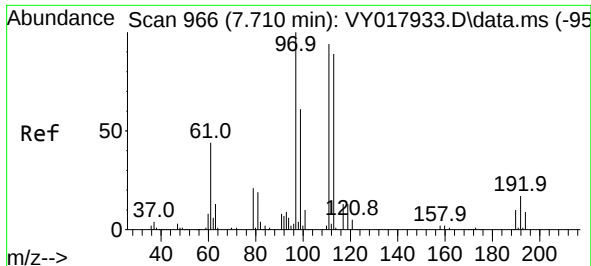
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.00 ug/l

RT: 7.728 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-7

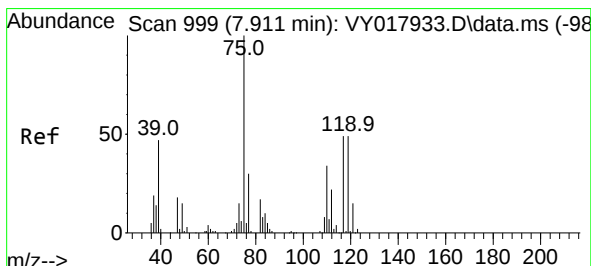
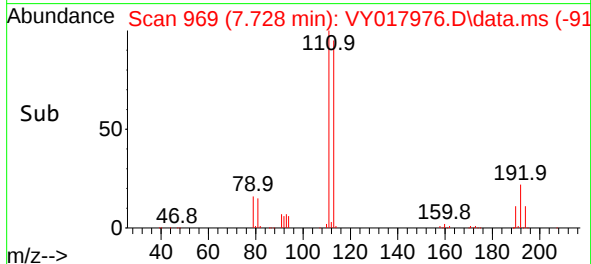
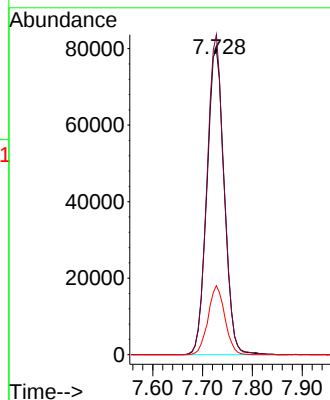
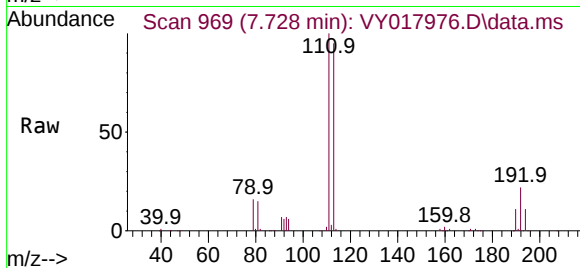
Tgt Ion:113 Resp: 193397

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 21.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.12 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

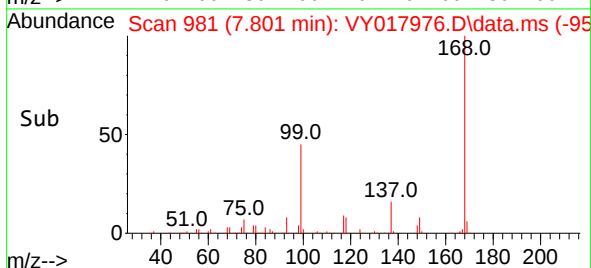
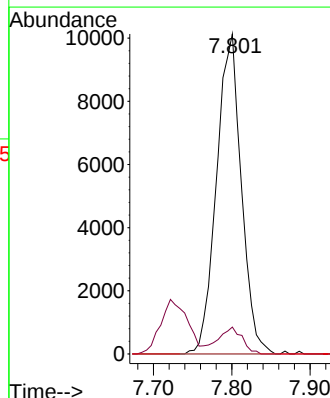
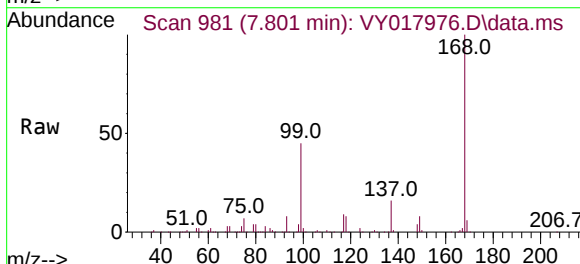
Tgt Ion: 75 Resp: 22278

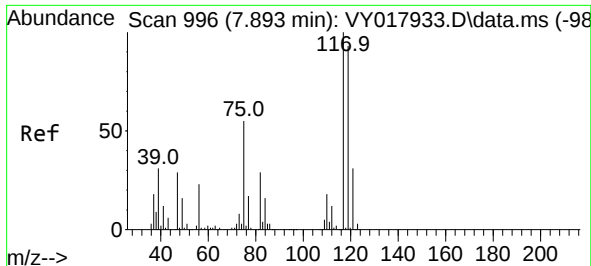
Ion Ratio Lower Upper

75 100

110 8.1 19.0 57.0#

77 0.0 25.3 37.9#

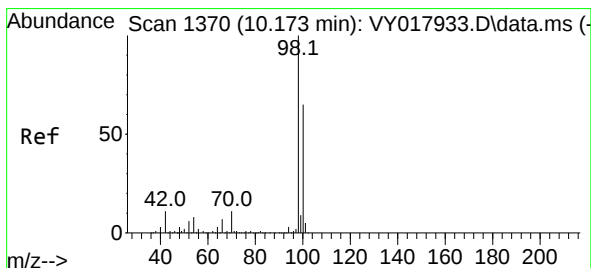
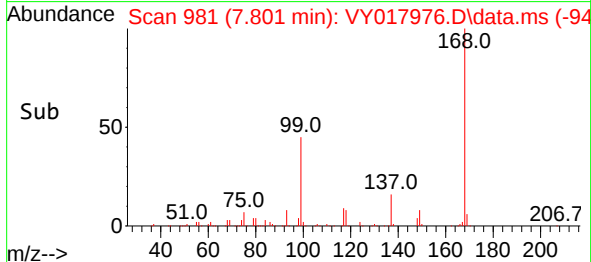
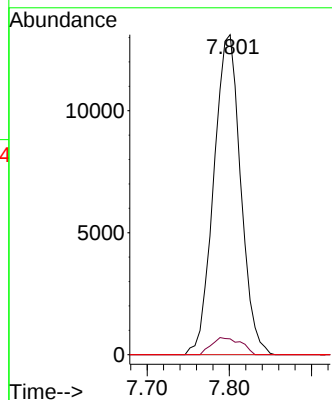
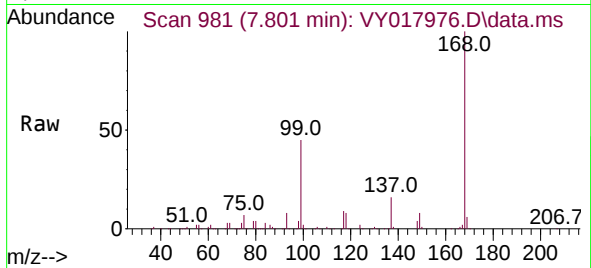




#38
Carbon Tetrachloride
Concen: 5.46 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

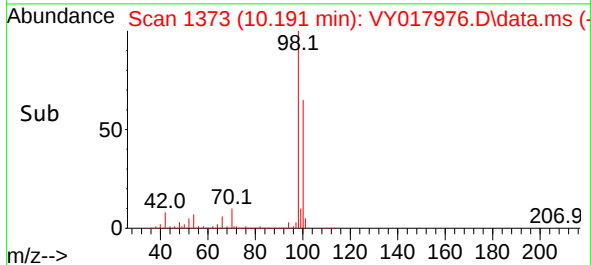
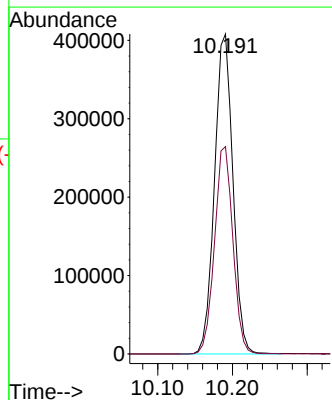
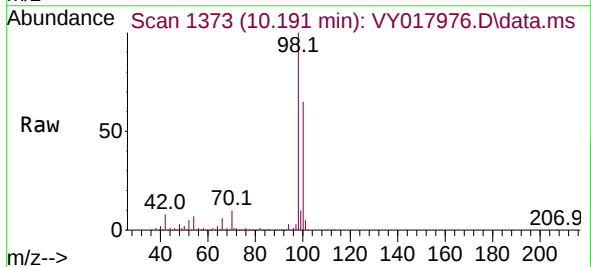
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-7

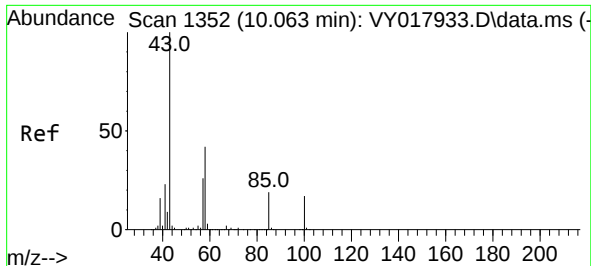
Tgt Ion:117 Resp: 29809
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.54 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

Tgt Ion: 98 Resp: 699116
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

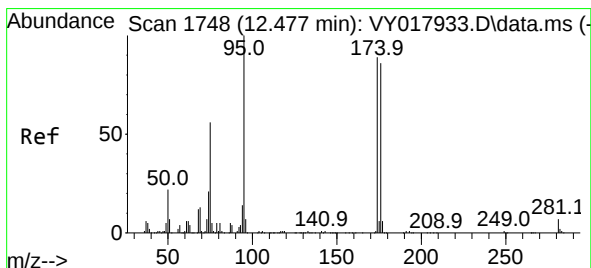
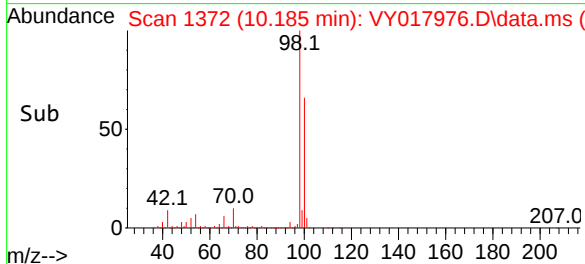
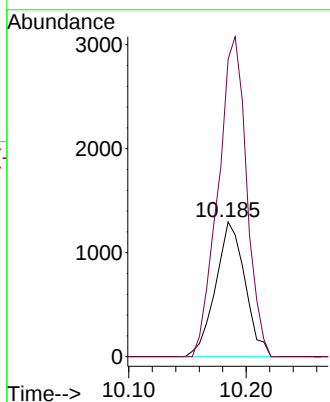
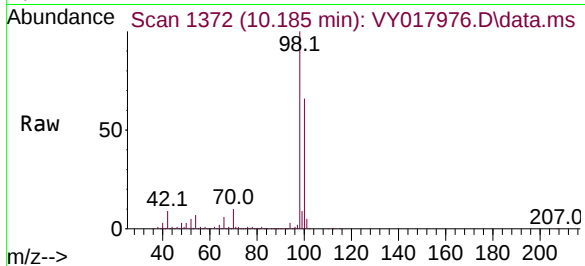




#51
4-Methyl-2-Pentanone
Concen: 1.03 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

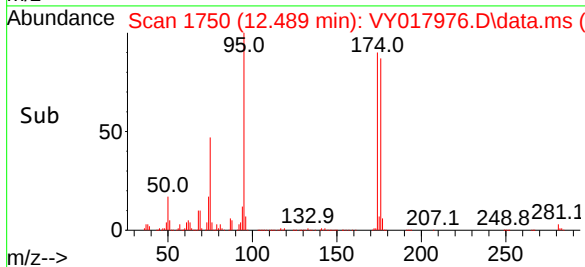
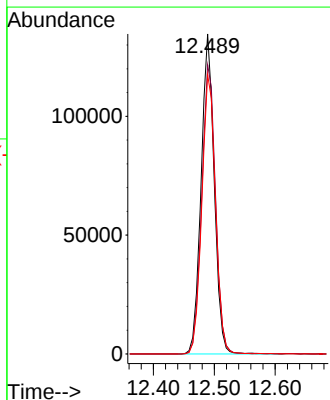
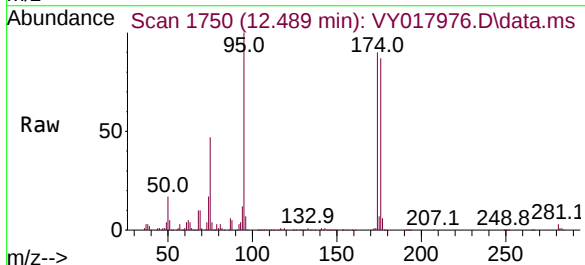
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-7

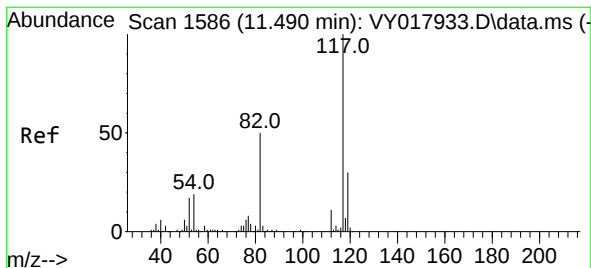
Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
58 230.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 46.06 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

Tgt Ion: 95 Resp: 201305
Ion Ratio Lower Upper
95 100
174 95.3 0.0 175.6
176 91.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-7

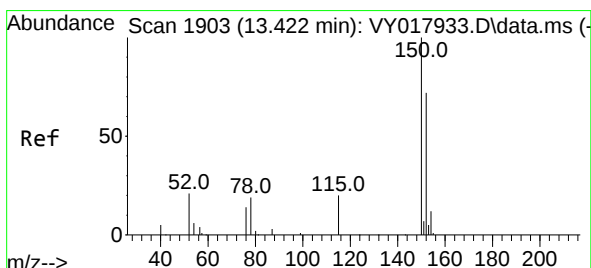
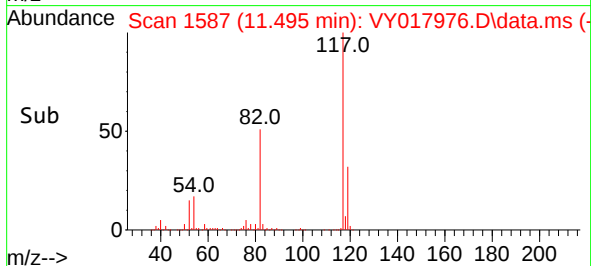
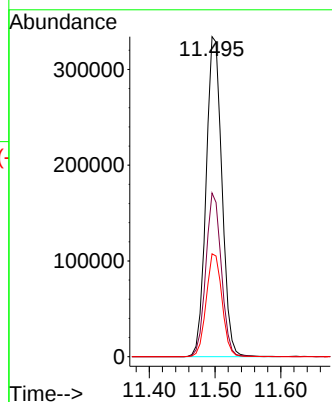
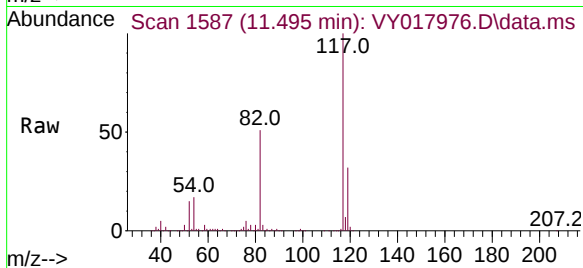
Tgt Ion:117 Resp: 559400

Ion Ratio Lower Upper

117 100

82 51.1 42.4 63.6

119 32.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017976.D

Acq: 18 Apr 2024 15:15

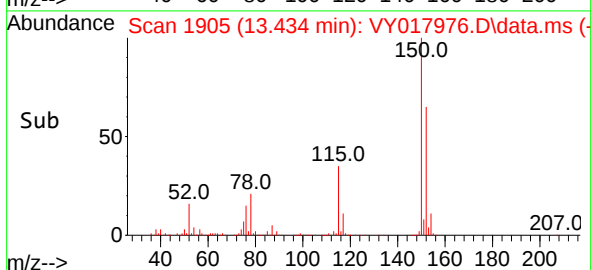
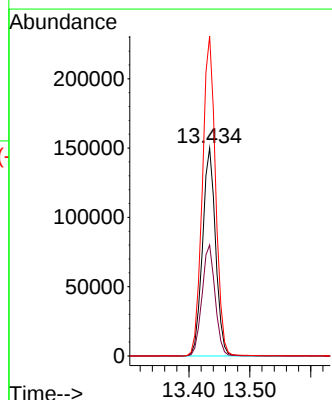
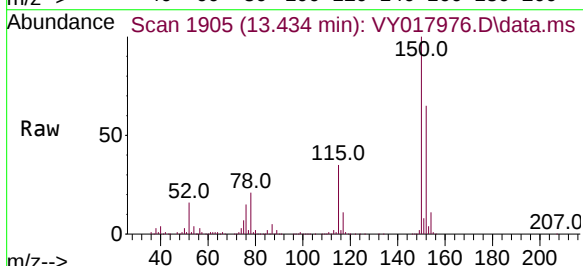
Tgt Ion:152 Resp: 223921

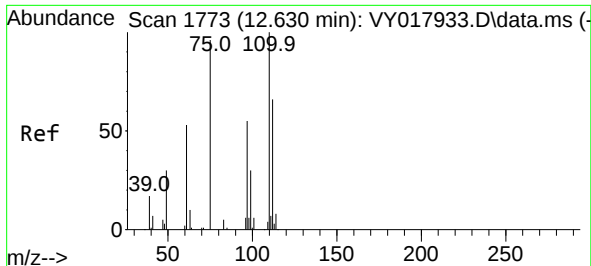
Ion Ratio Lower Upper

152 100

115 53.6 28.2 84.7

150 155.4 0.0 345.6

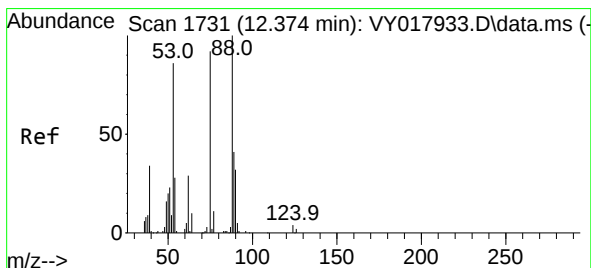
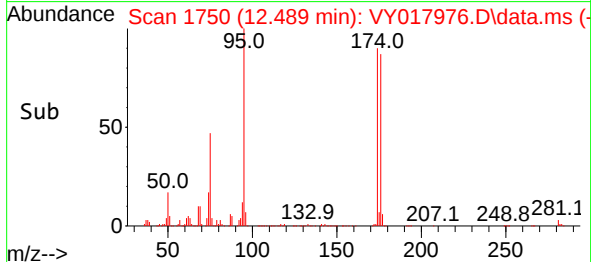
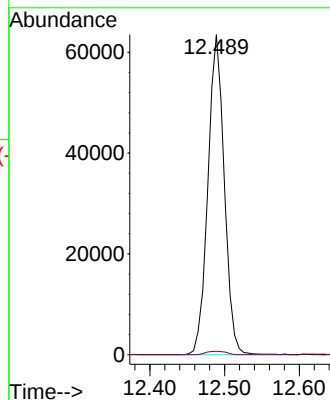
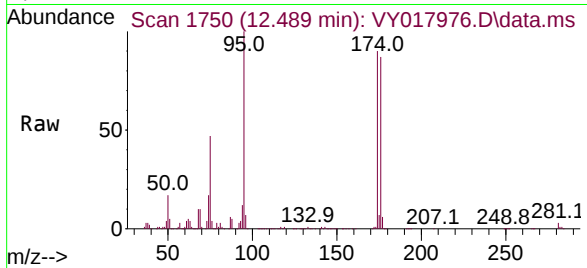




#76
1,2,3-Trichloropropane
Concen: 45.89 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-7

Tgt Ion: 75 Resp: 96417
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.61 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY017976.D
Acq: 18 Apr 2024 15:15

Tgt Ion: 75 Resp: 96417
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

