

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017971.D
 Acq On : 18 Apr 2024 13:16
 Operator : SY/MD
 Sample : P2147-06
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-2

Quant Time: Apr 19 02:00:32 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)

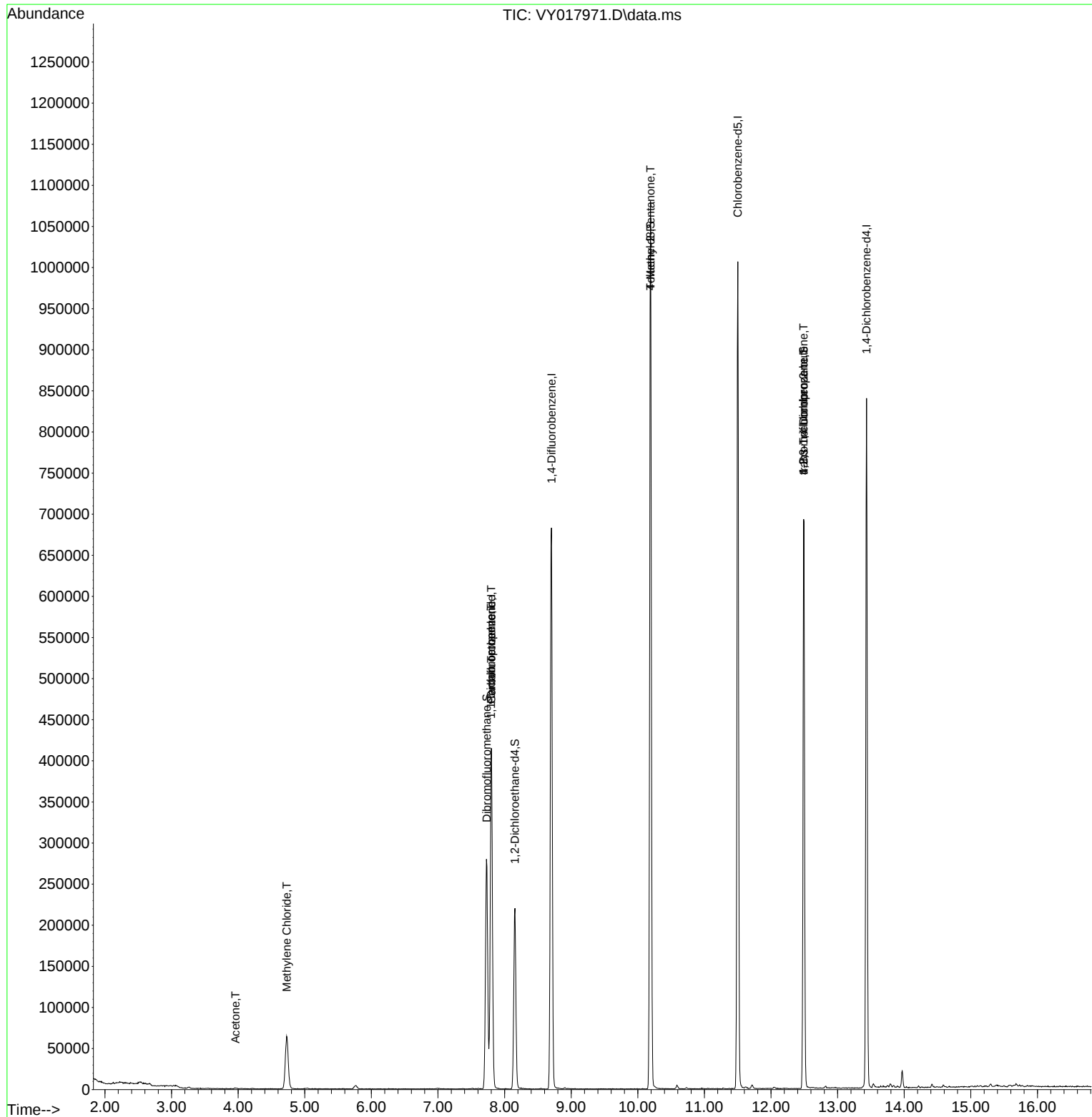
Internal Standards						
1) Pentafluorobenzene	7.801	168	354484	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	636775	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.501	117	582872	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	231597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	166044	54.13	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.26%	
35) Dibromofluoromethane	7.734	113	204253	51.99	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.98%	
50) Toluene-d8	10.191	98	734766	49.29	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.58%	
62) 4-Bromofluorobenzene	12.489	95	214336	46.43	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	255	Below Cal	#	88
16) Acetone	3.960	43	1617	2.67	ug/l	88
20) Methylene Chloride	4.728	84	53311	12.98	ug/l	99
36) 1,1-Dichloropropene	7.795	75	24364	4.26	ug/l #	47
38) Carbon Tetrachloride	7.801	117	30553	5.29	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	2442	1.05	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	104546	48.11	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	104546	99.18	ug/l #	16

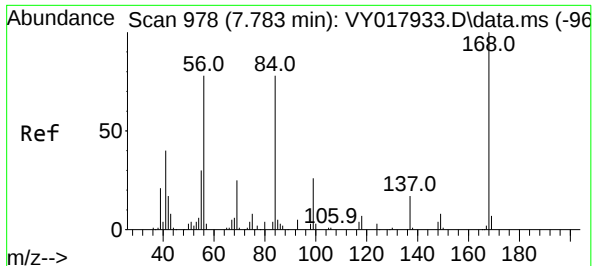
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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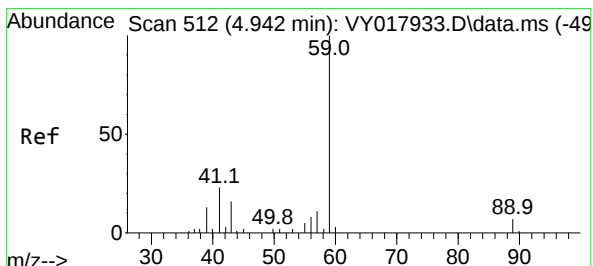
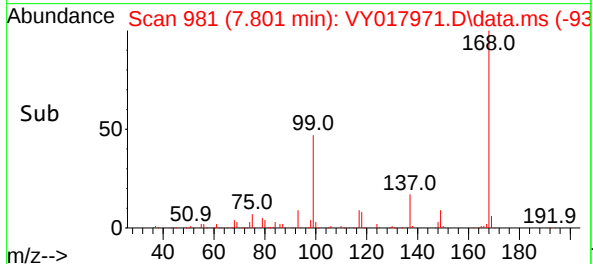
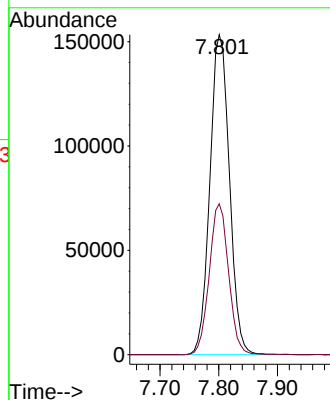
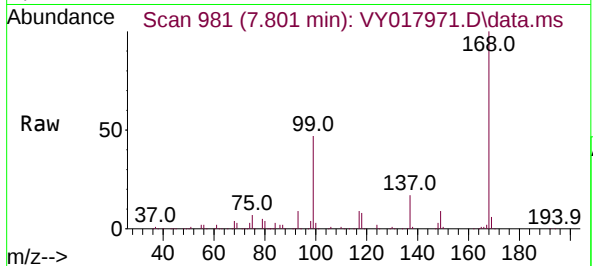




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

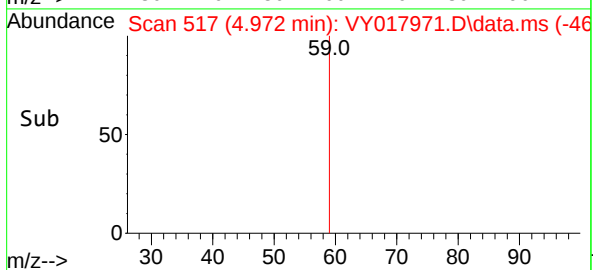
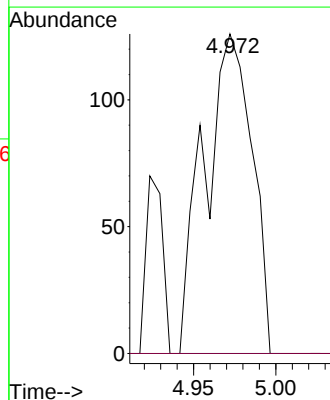
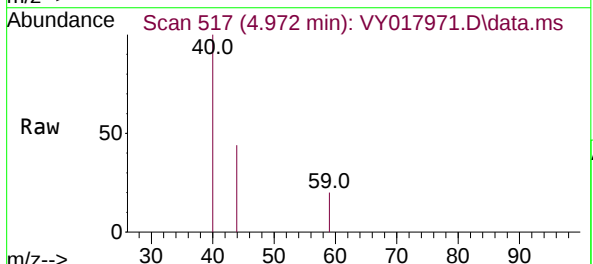
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

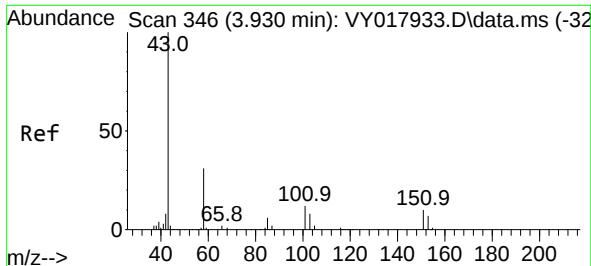
Tgt Ion:168 Resp: 354484
Ion Ratio Lower Upper
168 100
99 47.2 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.67 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY017971.D

Acq: 18 Apr 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

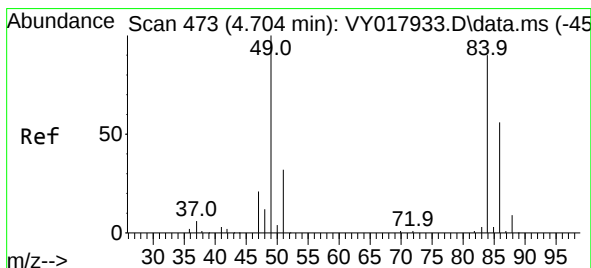
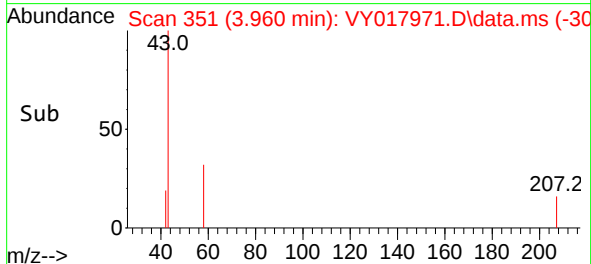
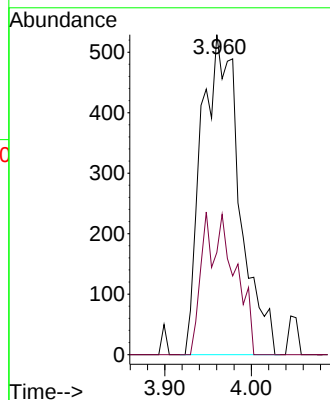
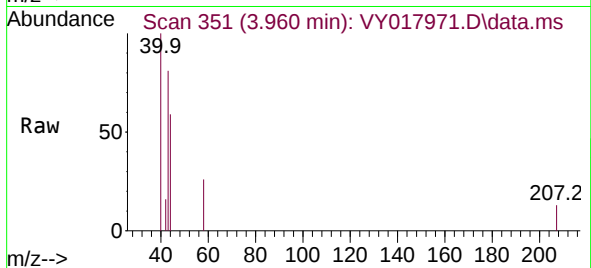
GRAB-2

Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 31.9 31.7 47.5



#20

Methylene Chloride

Concen: 12.98 ug/l

RT: 4.728 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY017971.D

Acq: 18 Apr 2024 13:16

Tgt Ion: 84 Resp: 53311

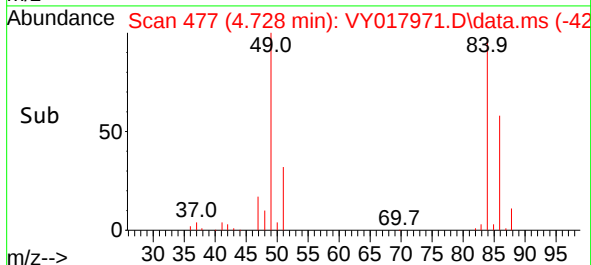
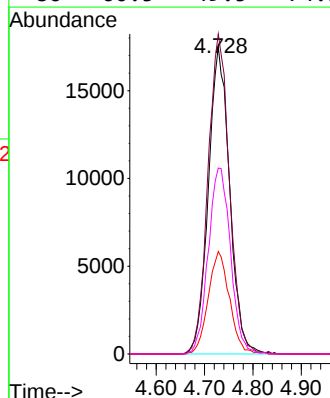
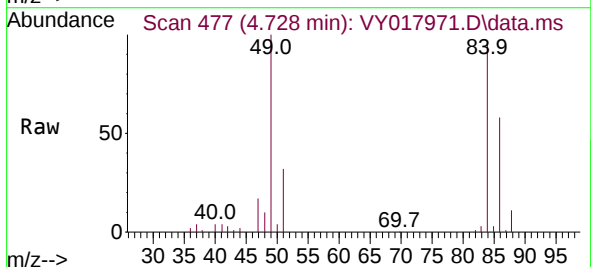
Ion Ratio Lower Upper

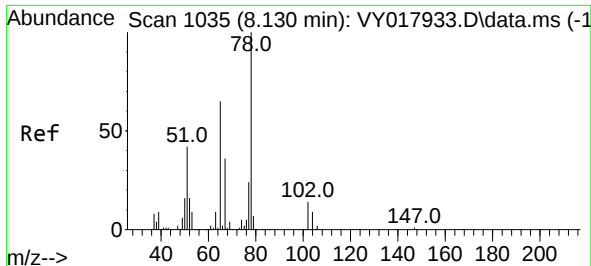
84 100

49 104.2 84.4 126.6

51 33.3 26.0 39.0

86 60.5 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 54.13 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY017971.D

Acq: 18 Apr 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

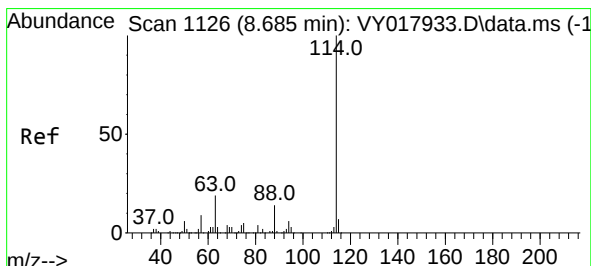
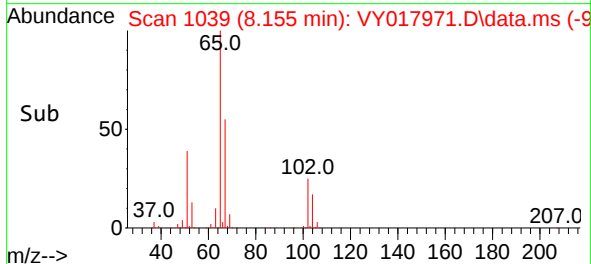
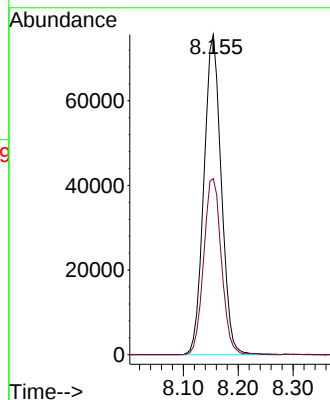
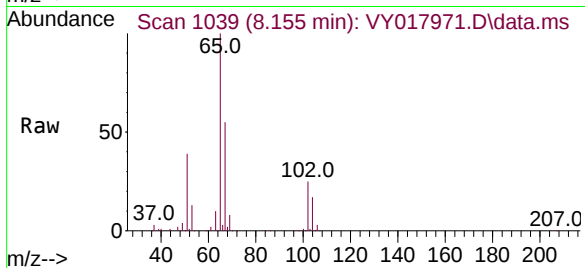
GRAB-2

Tgt Ion: 65 Resp: 166044

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017971.D

Acq: 18 Apr 2024 13:16

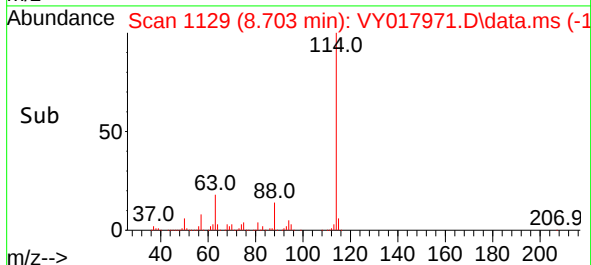
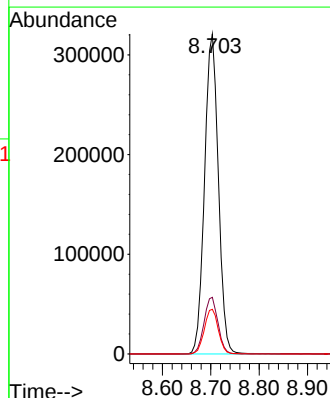
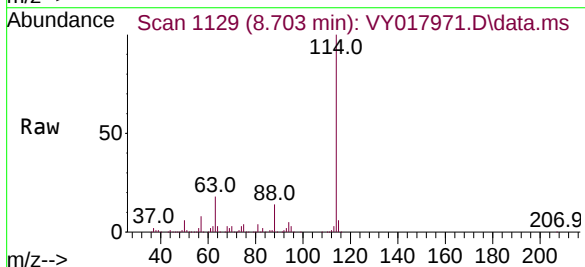
Tgt Ion: 114 Resp: 636775

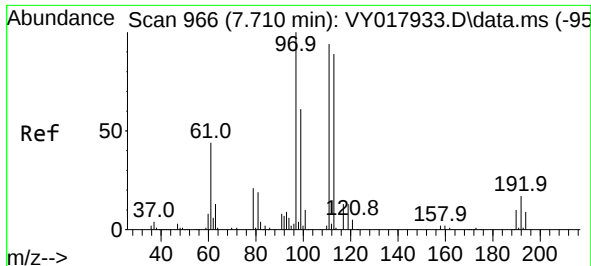
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.0 0.0 27.2

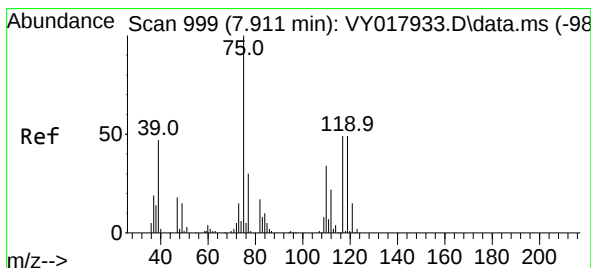
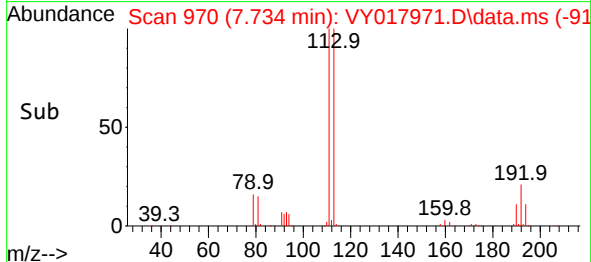
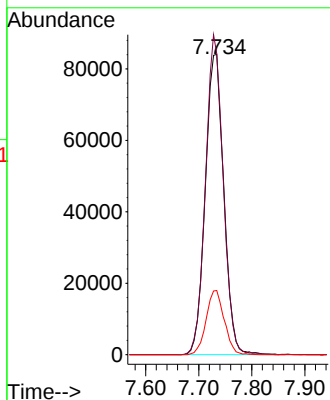
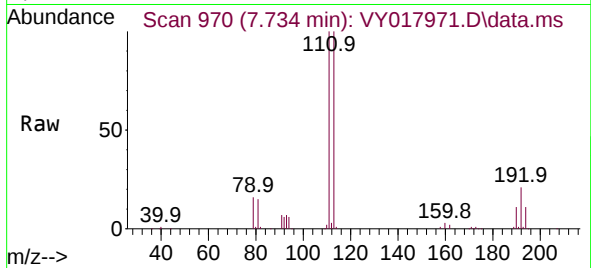




#35
Dibromofluoromethane
Concen: 51.99 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

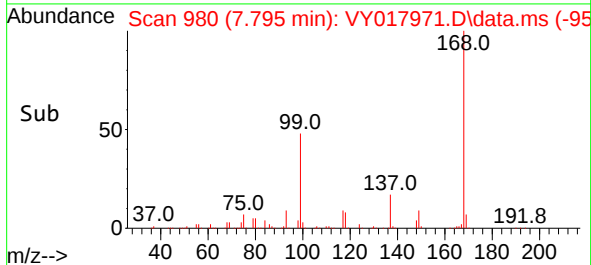
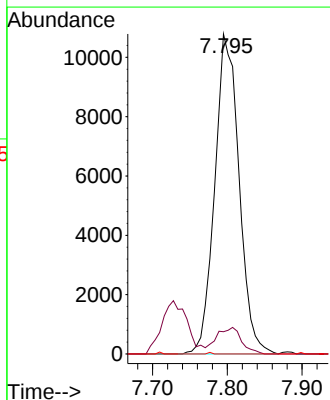
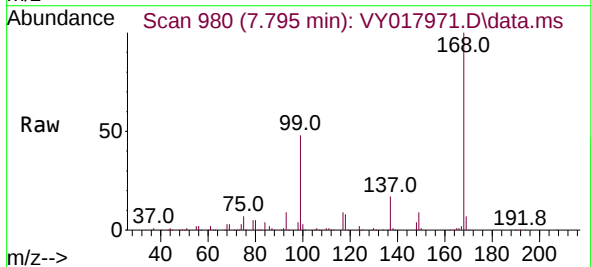
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

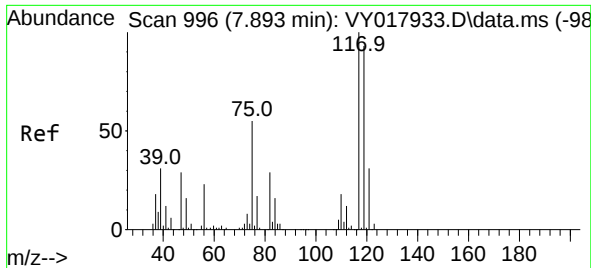
Tgt Ion:113 Resp: 204253
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 20.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.26 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

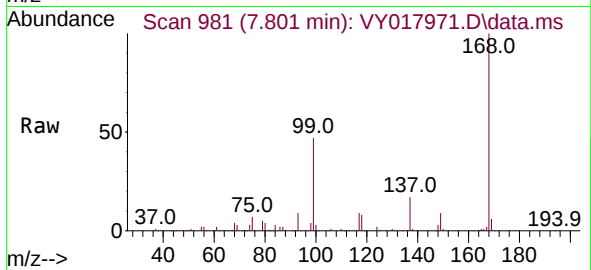
Tgt Ion: 75 Resp: 24364
Ion Ratio Lower Upper
75 100
110 8.5 19.0 57.0#
77 0.0 25.3 37.9#



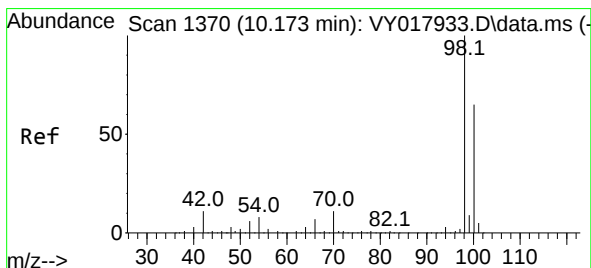
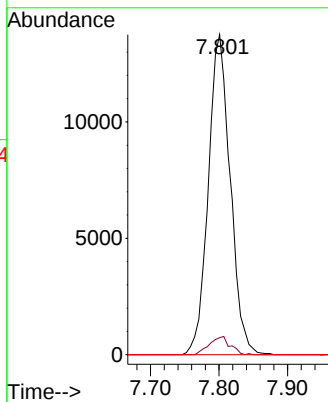
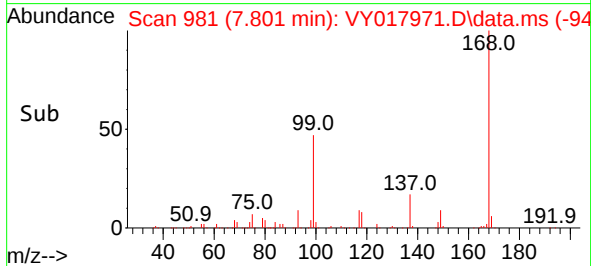


#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

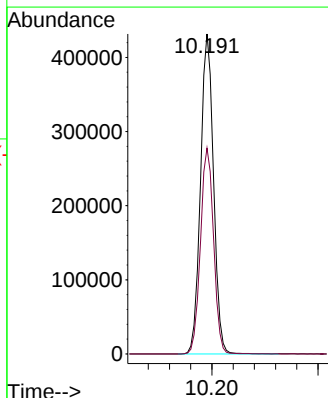
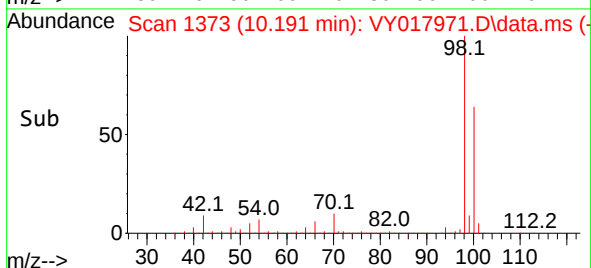
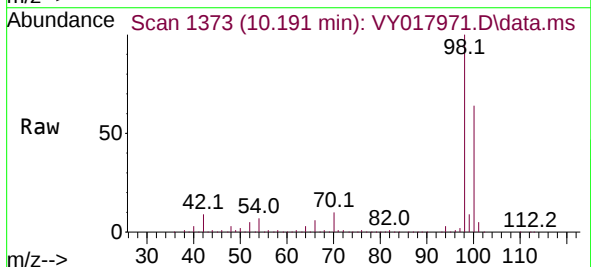


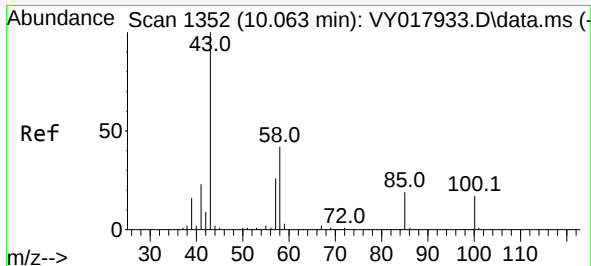
Tgt Ion:117 Resp: 30553
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.29 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Tgt Ion: 98 Resp: 734766
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

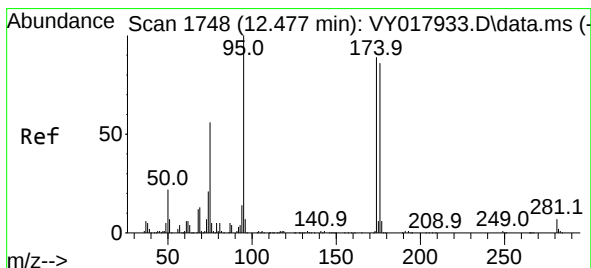
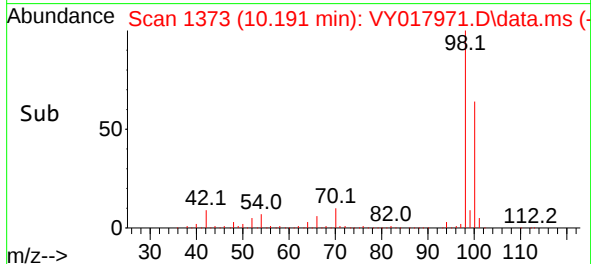
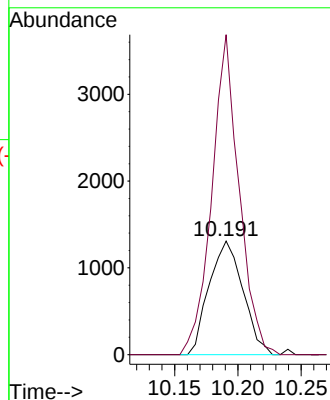
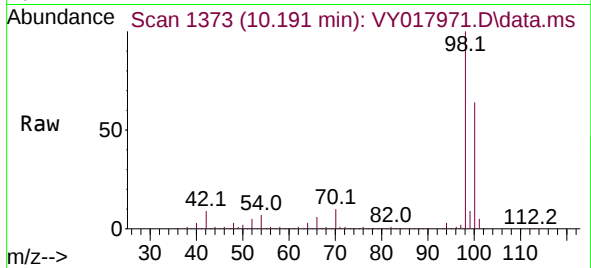




#51
4-Methyl-2-Pentanone
Concen: 1.05 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.122 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

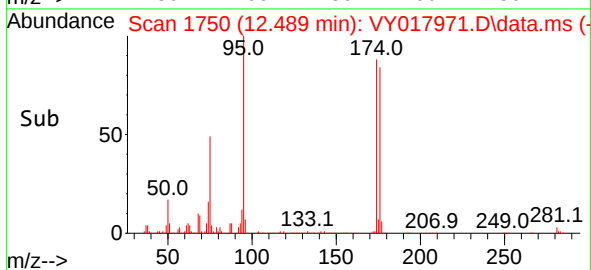
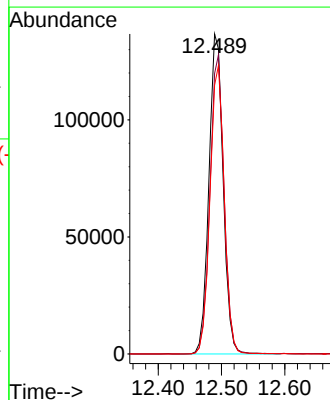
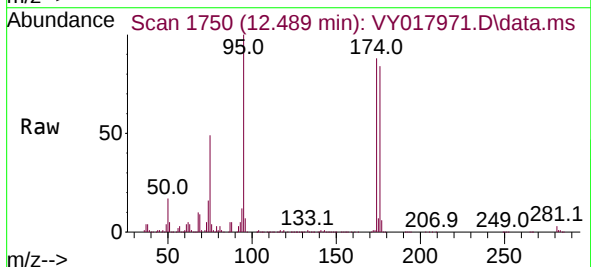
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

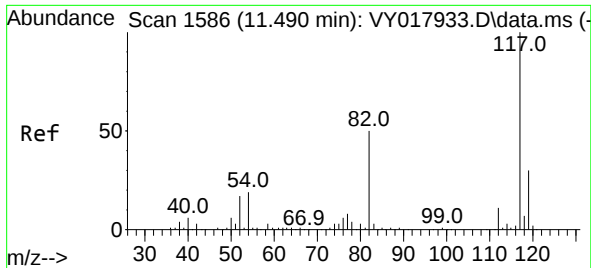
Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
58 226.6 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 46.43 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Tgt Ion: 95 Resp: 214336
Ion Ratio Lower Upper
95 100
174 92.4 0.0 175.6
176 90.0 0.0 171.4

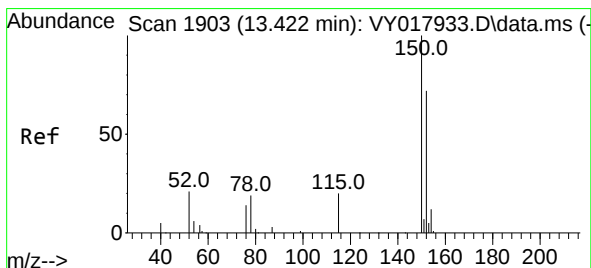
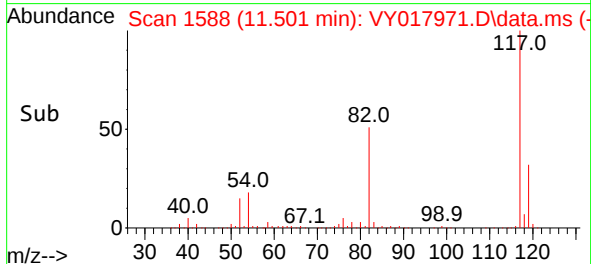
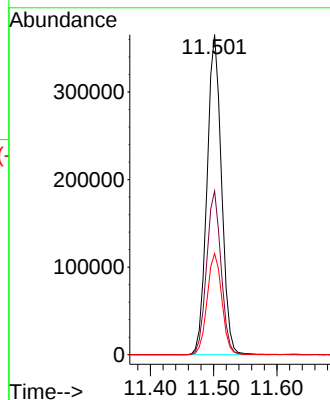
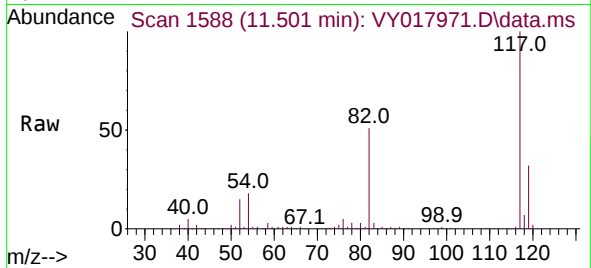




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.501 min Scan# 117
Delta R.T. 0.012 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

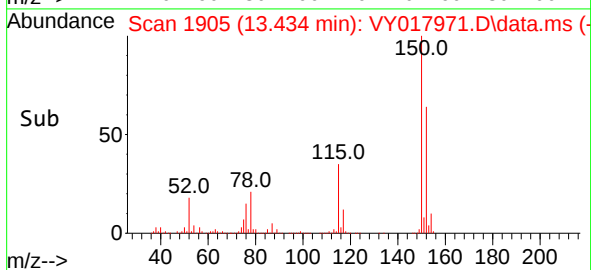
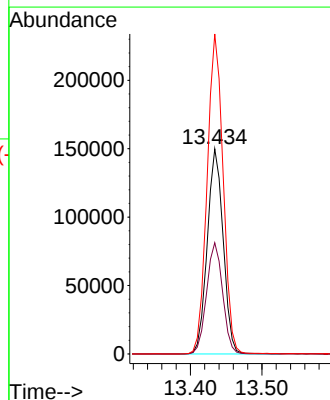
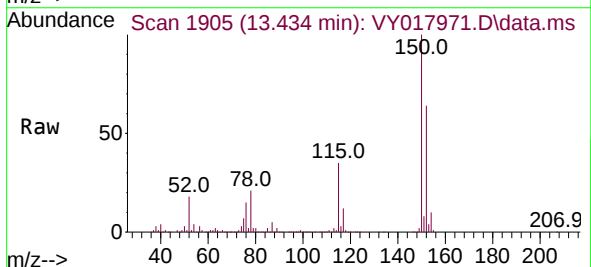
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

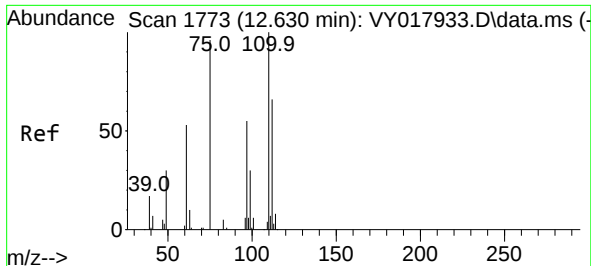
Tgt Ion:117 Resp: 582872
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Tgt Ion:152 Resp: 231597
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 157.1 0.0 345.6

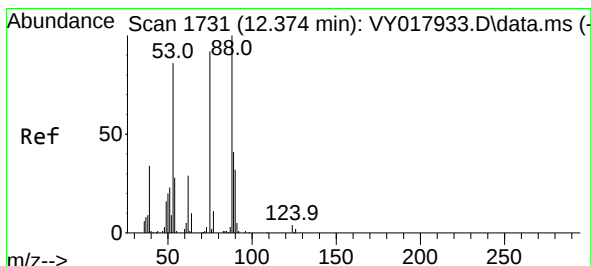
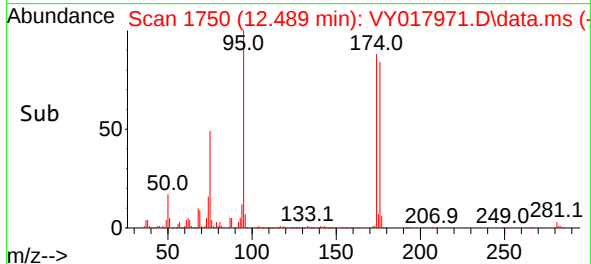
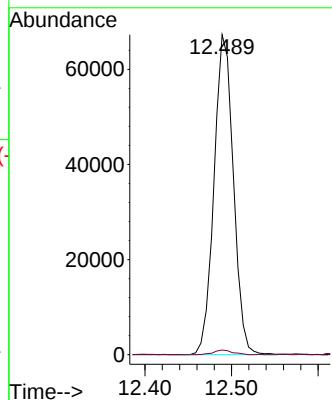
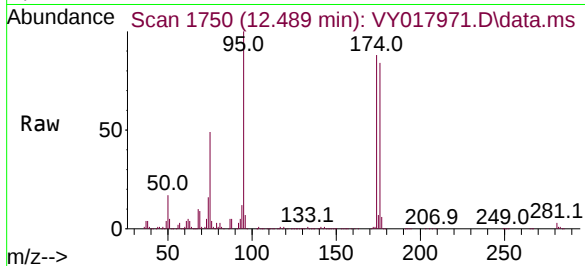




#76
1,2,3-Trichloropropane
Concen: 48.11 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

Tgt Ion: 75 Resp: 104546
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.18 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY017971.D
Acq: 18 Apr 2024 13:16

Tgt Ion: 75 Resp: 104546
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

