

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017995.D
 Acq On : 19 Apr 2024 13:46
 Operator : SY/MD
 Sample : P2147-07
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-3

Quant Time: Apr 19 23:24:34 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)

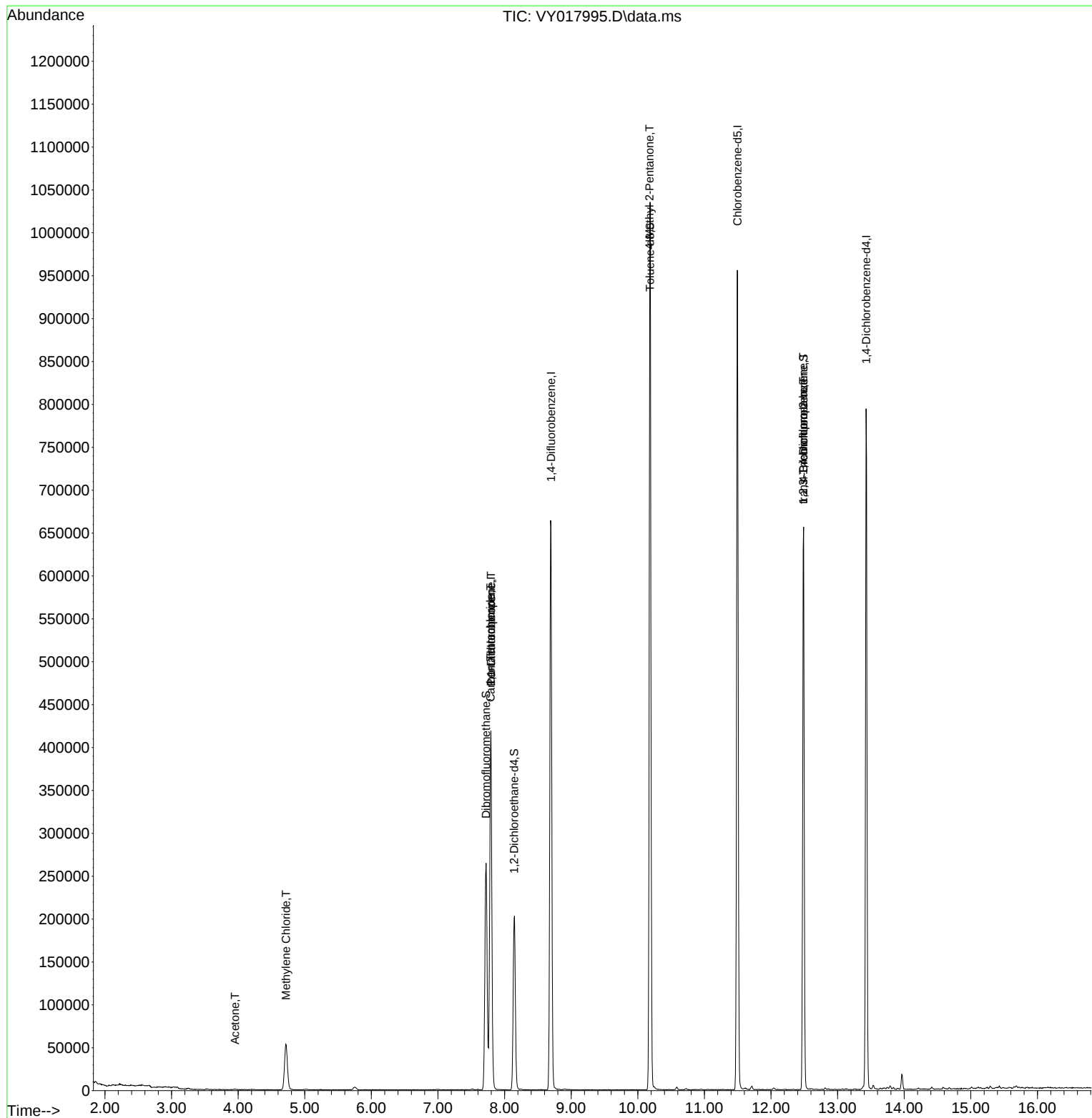
Internal Standards						
1) Pentafluorobenzene	7.795	168	352166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	619825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	559517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	219377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	158246	51.93	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.86%	
35) Dibromofluoromethane	7.722	113	193316	50.55	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.10%	
50) Toluene-d8	10.185	98	713697	49.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.38%	
62) 4-Bromofluorobenzene	12.489	95	200439	44.60	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.20%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	93	Below Cal	#	88
16) Acetone	3.954	43	1162	1.93	ug/l #	64
20) Methylene Chloride	4.716	84	44639	10.94	ug/l	97
36) 1,1-Dichloropropene	7.795	75	23046	4.14	ug/l #	47
38) Carbon Tetrachloride	7.789	117	30461	5.42	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	2299	1.02	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	96815	47.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	96815	96.97	ug/l #	16

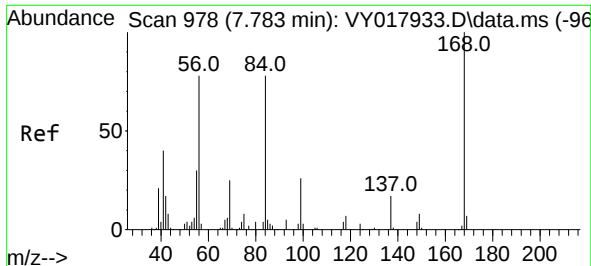
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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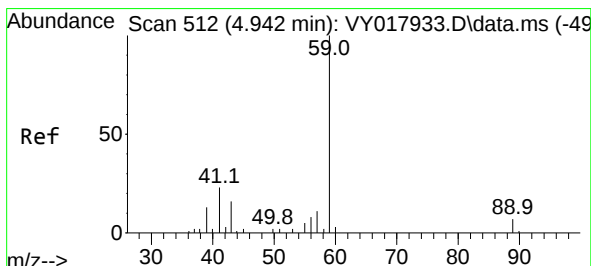
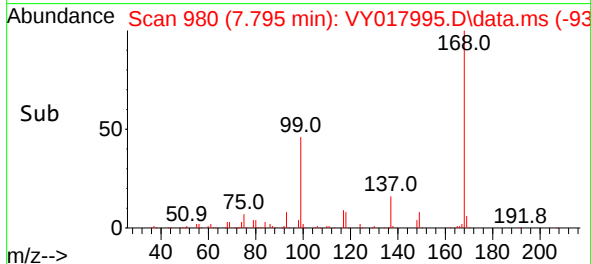
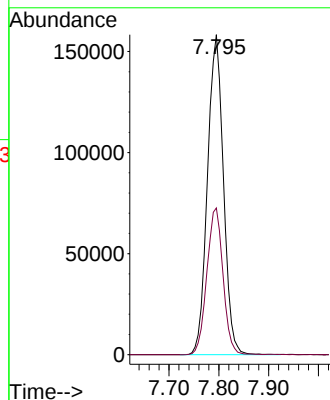
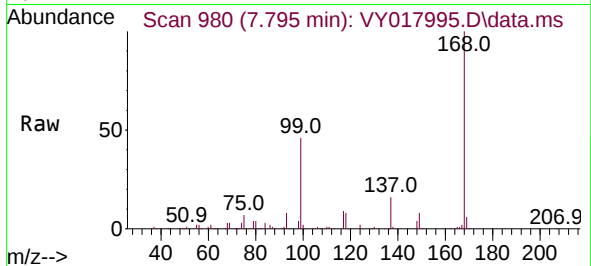




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

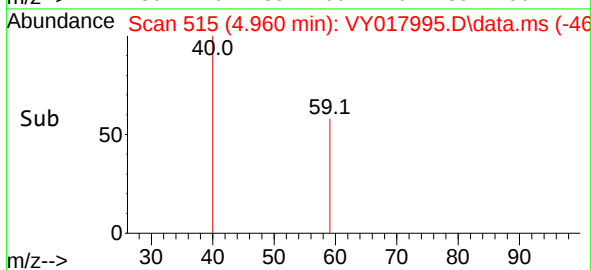
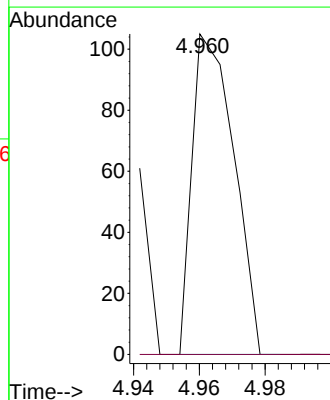
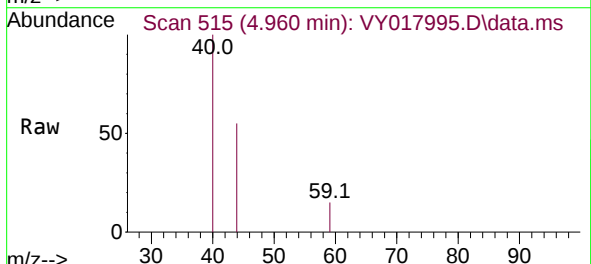
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

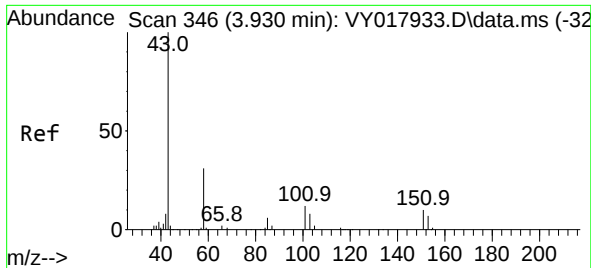
Tgt Ion:168 Resp: 352166
Ion Ratio Lower Upper
168 100
99 45.9 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 1.93 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY017995.D

Acq: 19 Apr 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

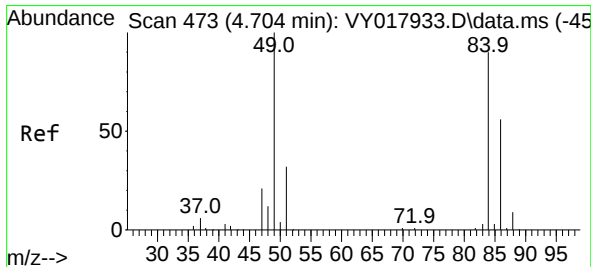
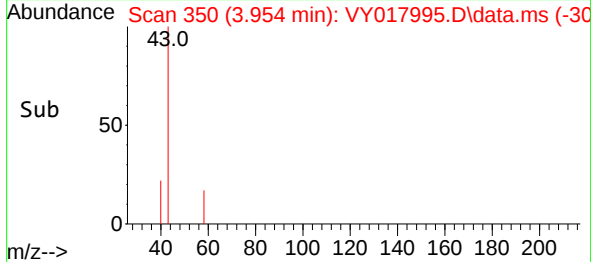
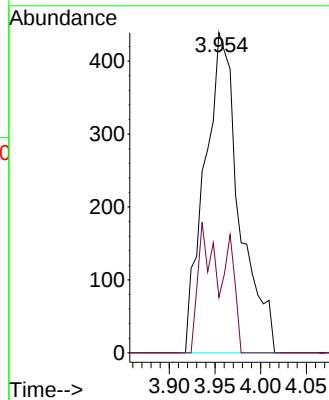
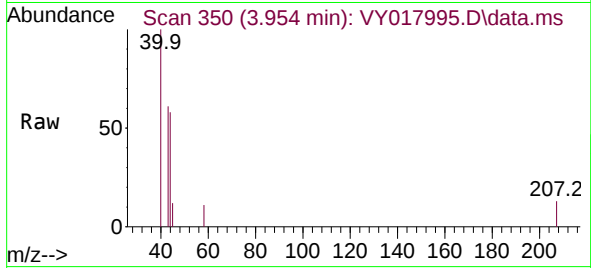
GRAB-3

Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43 100

58 17.3 31.7 47.5#



#20

Methylene Chloride

Concen: 10.94 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY017995.D

Acq: 19 Apr 2024 13:46

Tgt Ion: 84 Resp: 44639

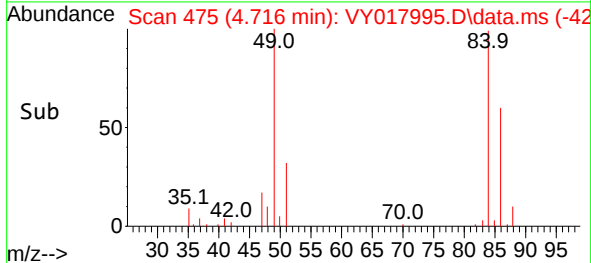
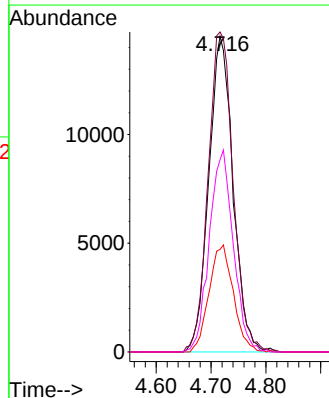
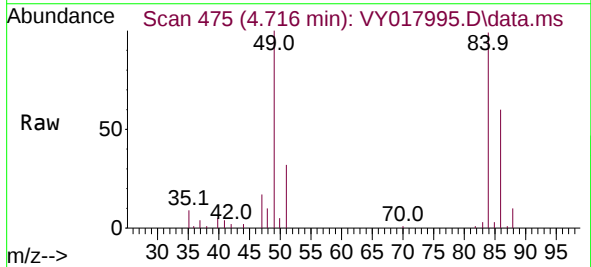
Ion Ratio Lower Upper

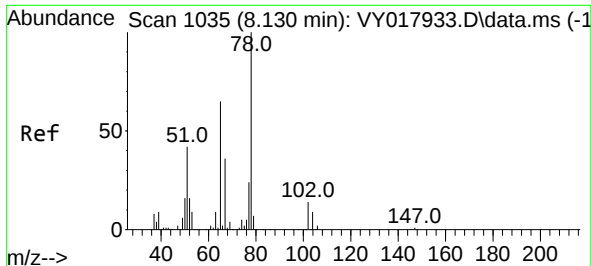
84 100

49 101.4 84.4 126.6

51 32.5 26.0 39.0

86 60.9 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 51.93 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017995.D

Acq: 19 Apr 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

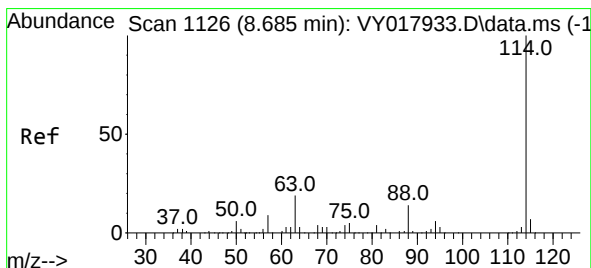
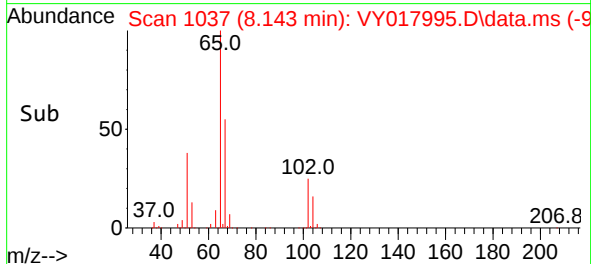
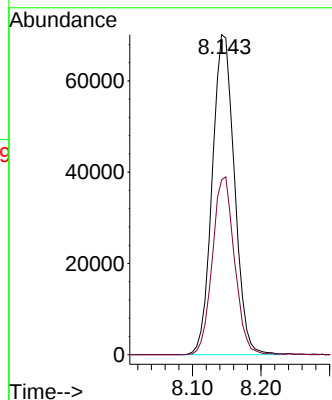
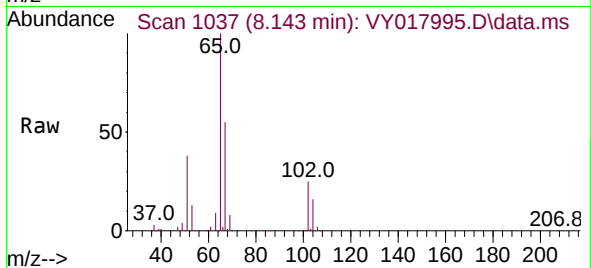
GRAB-3

Tgt Ion: 65 Resp: 158246

Ion Ratio Lower Upper

65 100

67 55.3 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: VY017995.D

Acq: 19 Apr 2024 13:46

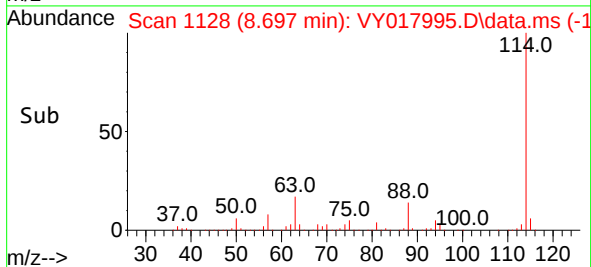
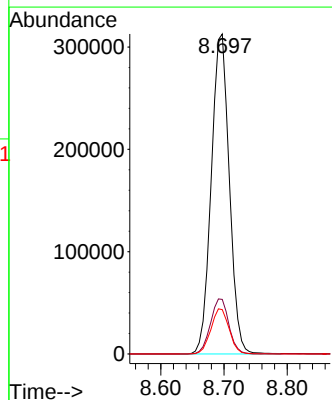
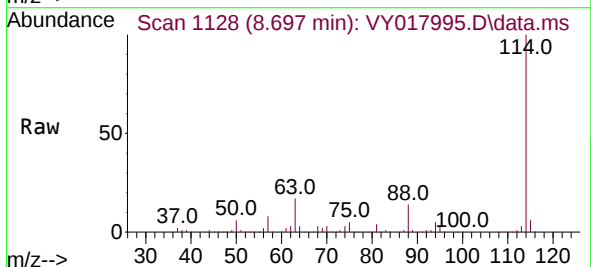
Tgt Ion: 114 Resp: 619825

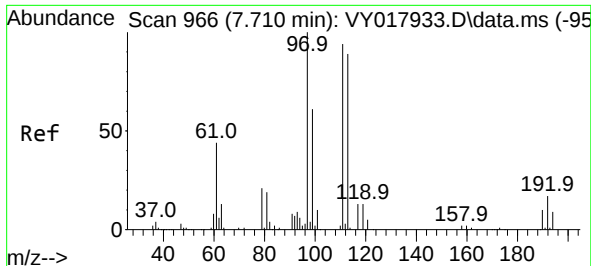
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.9 0.0 27.2

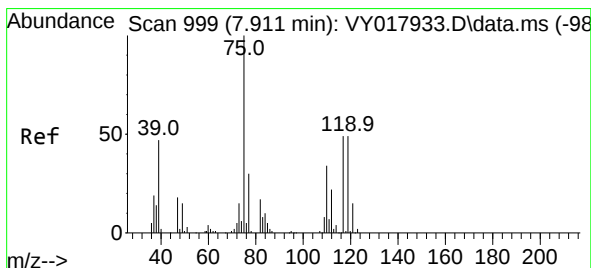
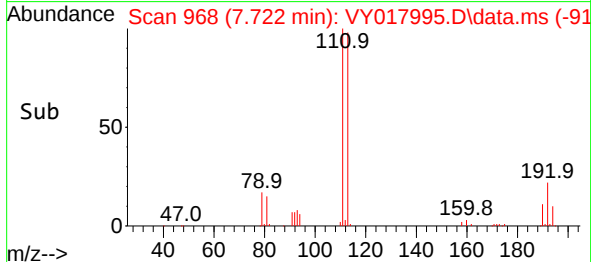
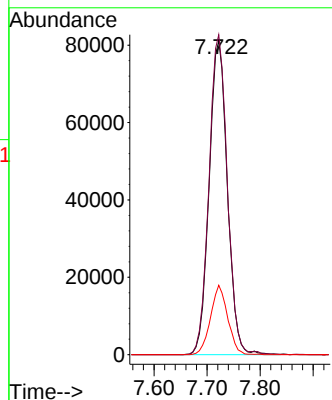
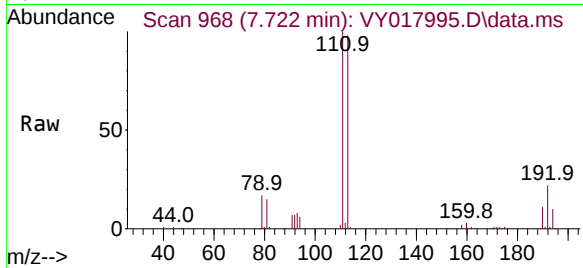




#35
Dibromofluoromethane
Concen: 50.55 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

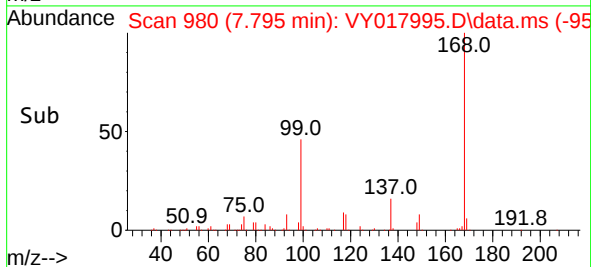
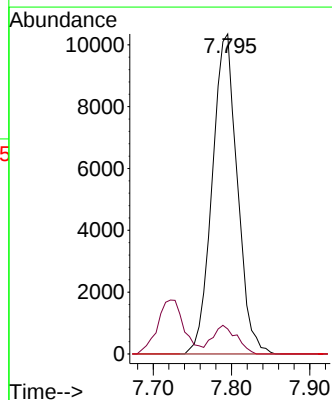
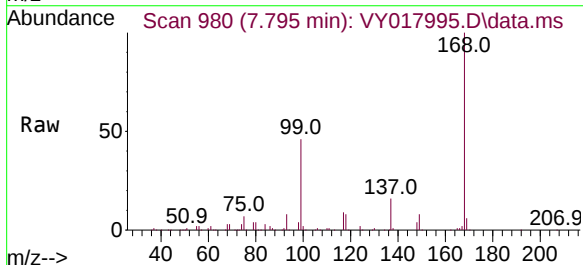
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

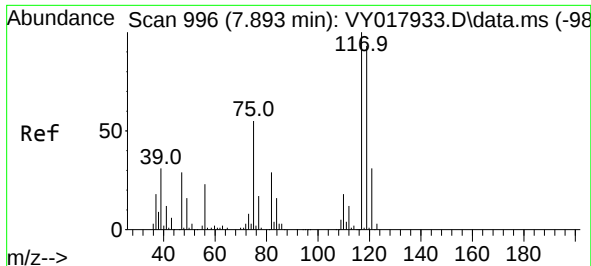
Tgt Ion:113 Resp: 193316
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 20.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.14 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion: 75 Resp: 23046
Ion Ratio Lower Upper
75 100
110 8.5 19.0 57.0#
77 0.0 25.3 37.9#

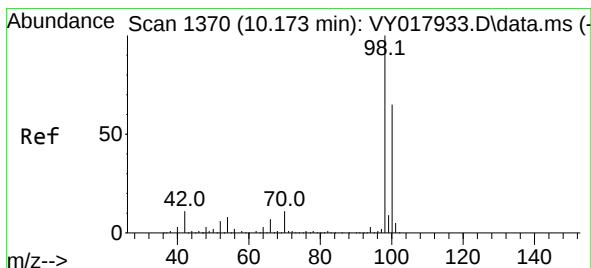
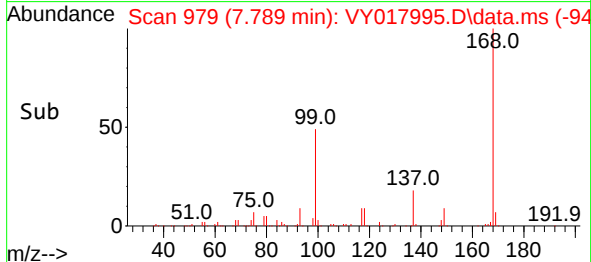
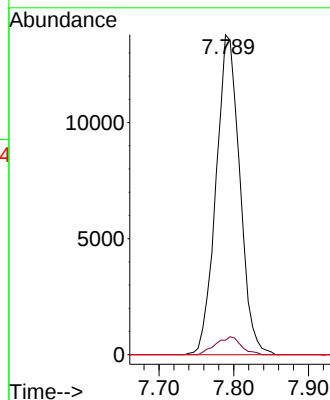
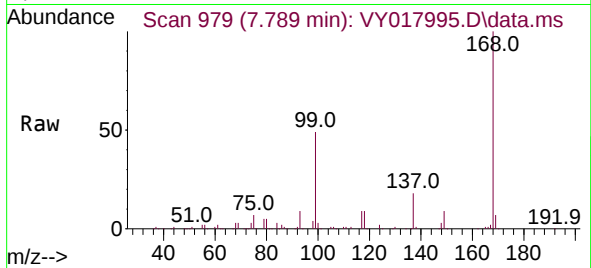




#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

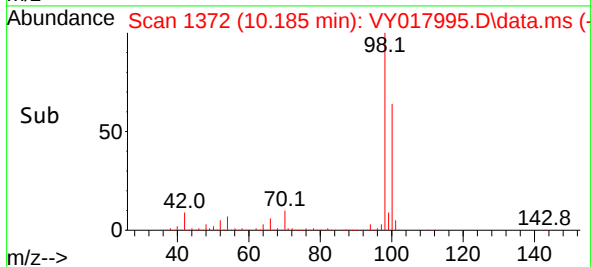
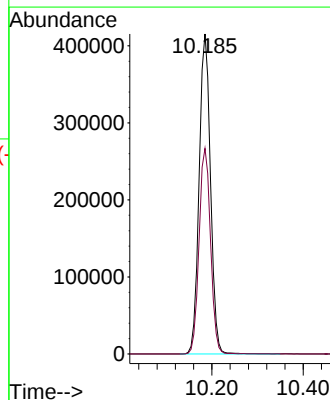
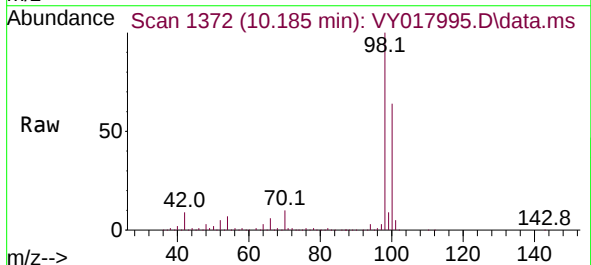
Instrument :
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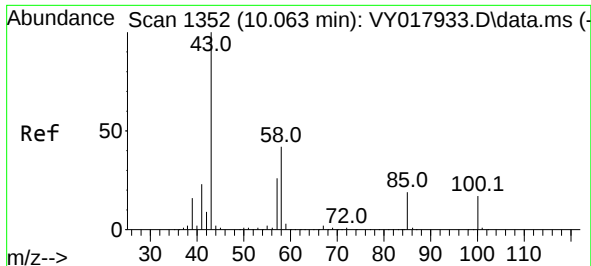
Tgt Ion:117 Resp: 30461
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.19 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion: 98 Resp: 713697
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

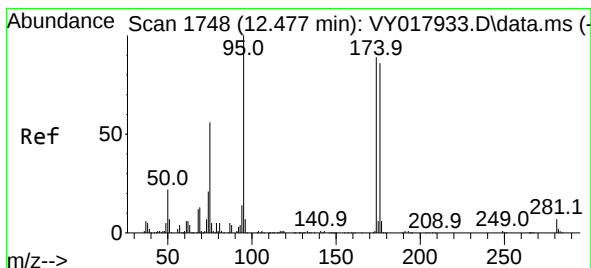
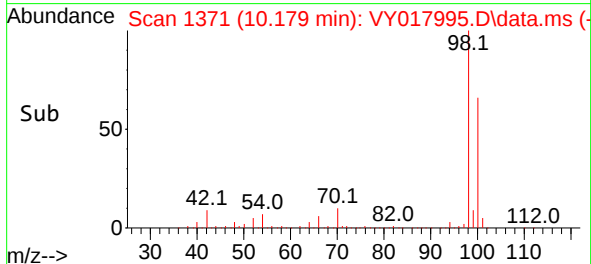
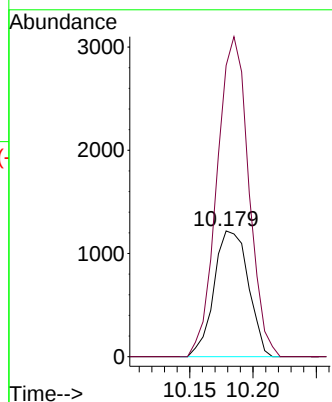
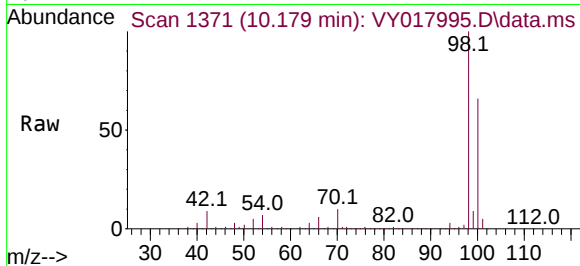




#51
4-Methyl-2-Pentanone
Concen: 1.02 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

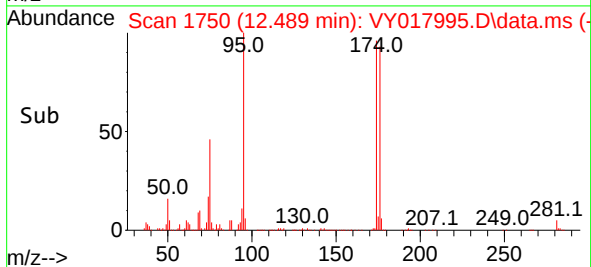
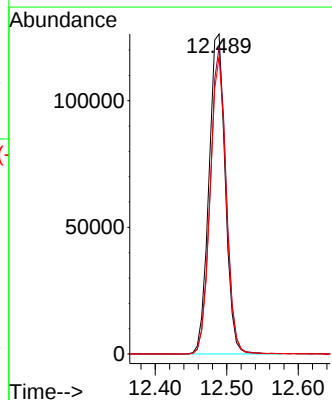
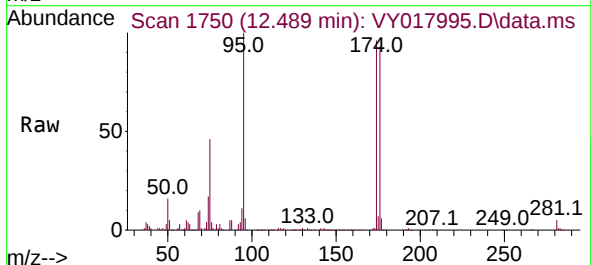
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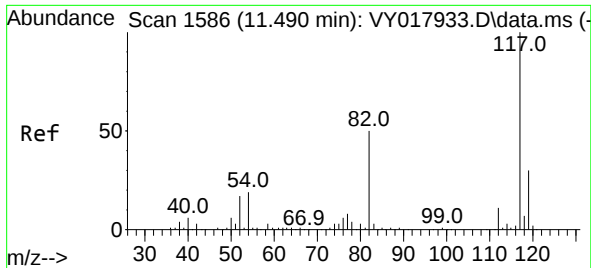
Tgt Ion: 43 Resp: 2299
Ion Ratio Lower Upper
43 100
58 235.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 44.60 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion: 95 Resp: 200439
Ion Ratio Lower Upper
95 100
174 93.6 0.0 175.6
176 90.8 0.0 171.4

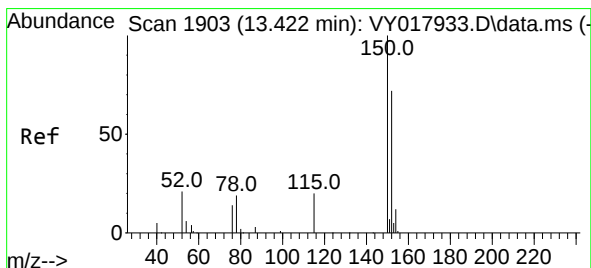
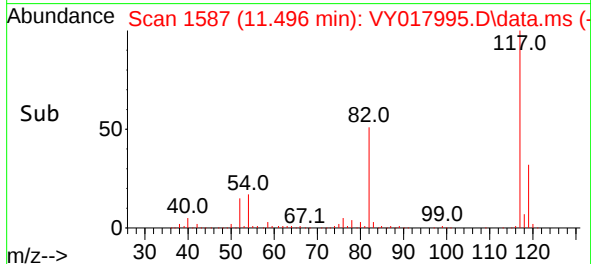
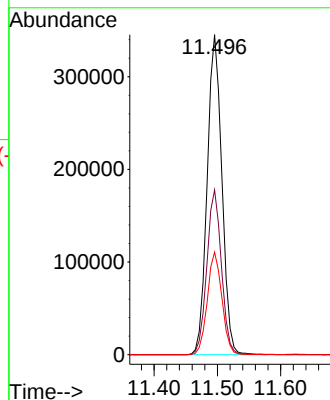
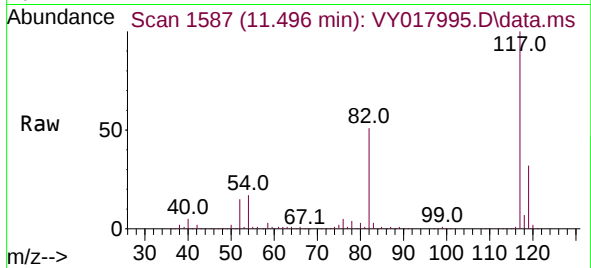




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

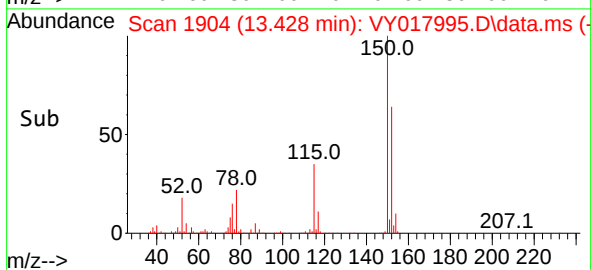
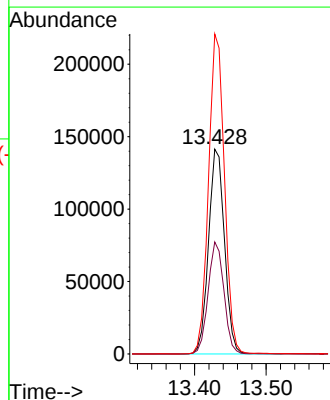
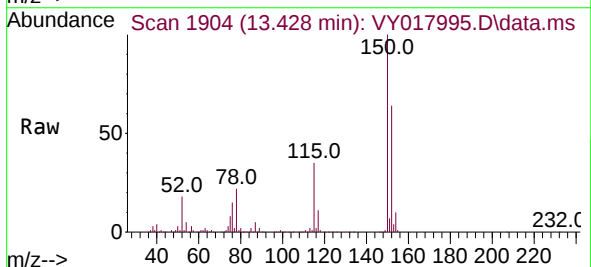
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

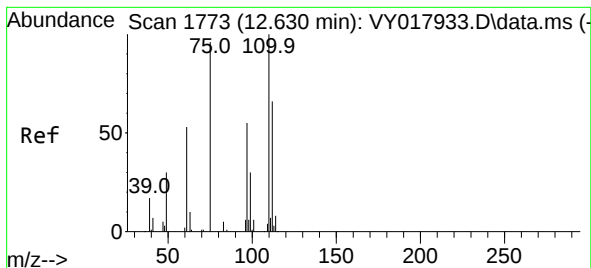
Tgt Ion:117 Resp: 559517
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion:152 Resp: 219377
Ion Ratio Lower Upper
152 100
115 54.1 28.2 84.7
150 155.4 0.0 345.6

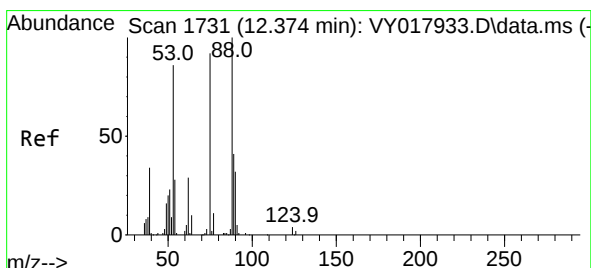
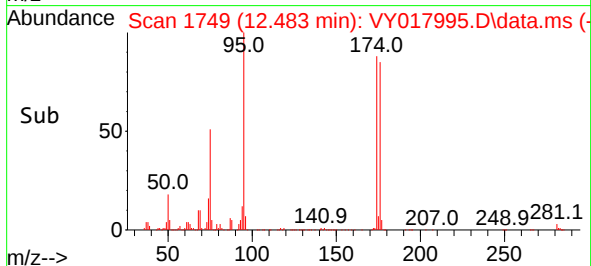
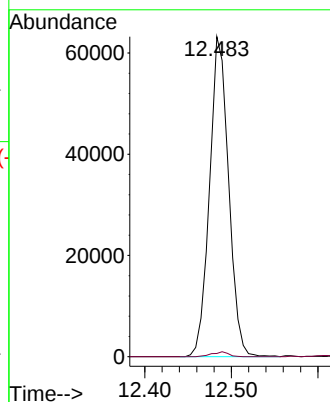
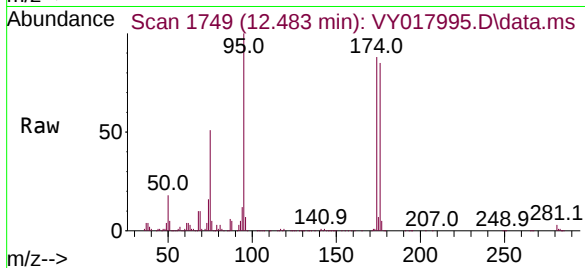




#76
1,2,3-Trichloropropane
Concen: 47.03 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

Tgt Ion: 75 Resp: 96815
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.97 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY017995.D
Acq: 19 Apr 2024 13:46

Tgt Ion: 75 Resp: 96815
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

