

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017973.D
 Acq On : 18 Apr 2024 14:03
 Operator : SY/MD
 Sample : P2147-08
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 19 02:01:04 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)

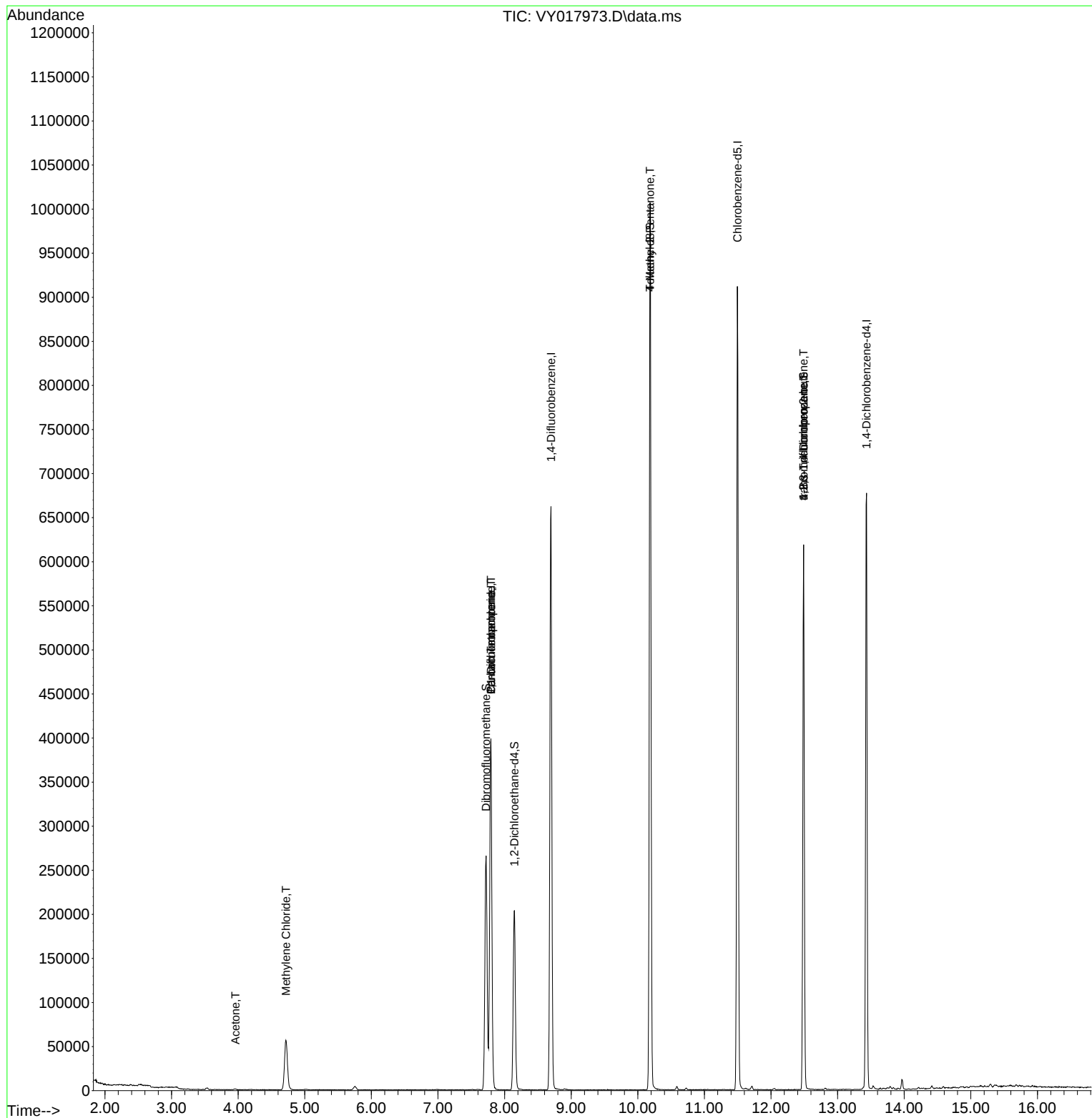
Internal Standards						
1) Pentafluorobenzene	7.795	168	340894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	608400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	541327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	192197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	155883	52.84	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.68%			
35) Dibromofluoromethane	7.722	113	191527	51.03	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.06%			
50) Toluene-d8	10.185	98	698196	49.02	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.04%			
62) 4-Bromofluorobenzene	12.489	95	184820	41.90	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.80%			
Target Compounds						
11) Tert butyl alcohol	4.966	59	82	Below Cal	#	88
16) Acetone	3.960	43	1504	2.58	ug/l #	86
20) Methylene Chloride	4.716	84	47041	11.91	ug/l #	97
36) 1,1-Dichloropropene	7.795	75	22905	4.20	ug/l #	47
38) Carbon Tetrachloride	7.795	117	30248	5.48	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	2452	1.10	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	88979	49.34	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	88979	101.72	ug/l #	16

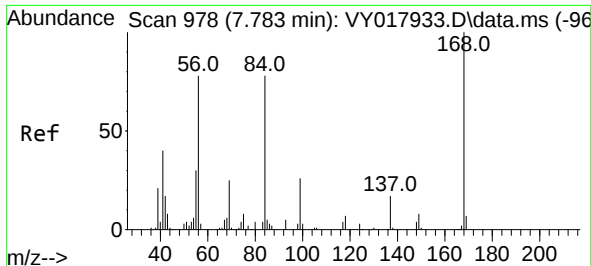
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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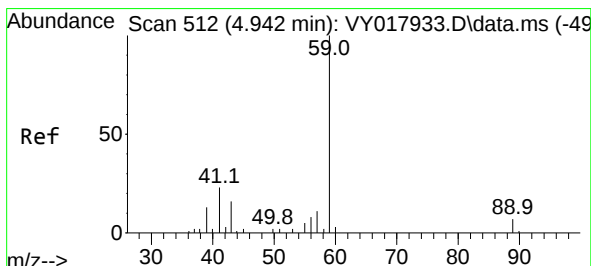
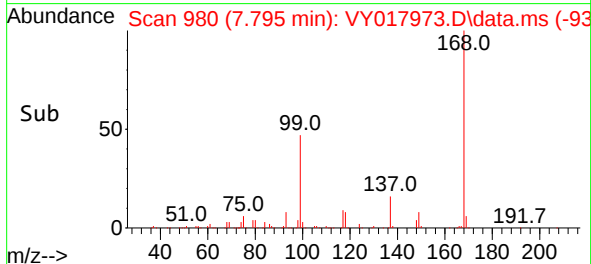
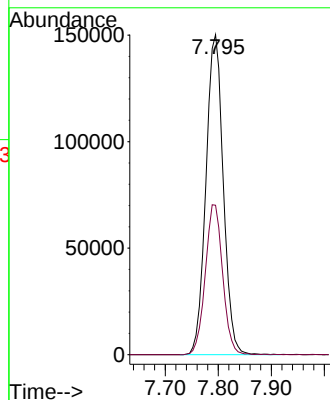
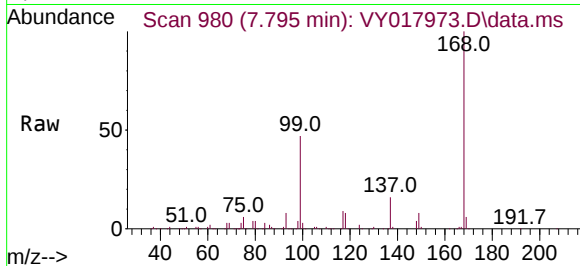




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

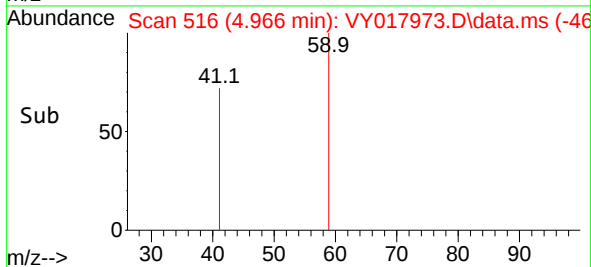
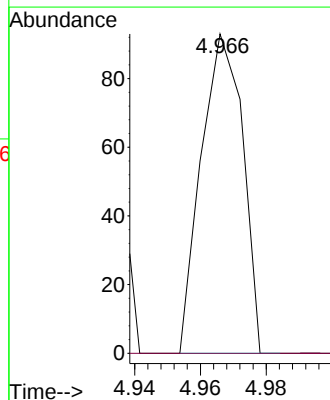
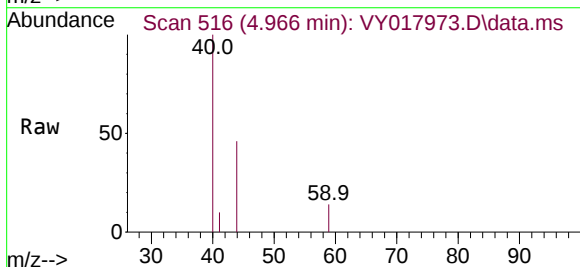
Instrument :
MSVOA_Y
ClientSampleId :

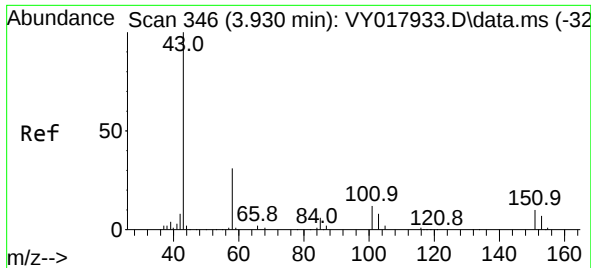
Tgt Ion:168 Resp: 340894
Ion Ratio Lower Upper
168 100
99 46.7 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.58 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA_Y

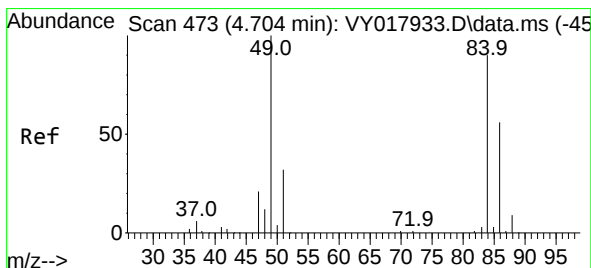
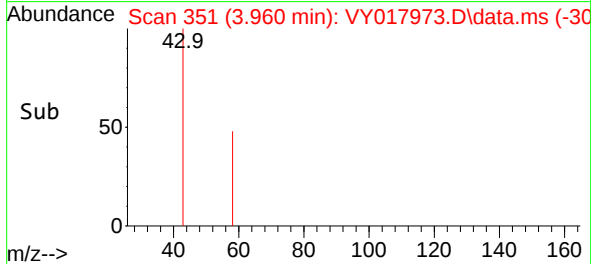
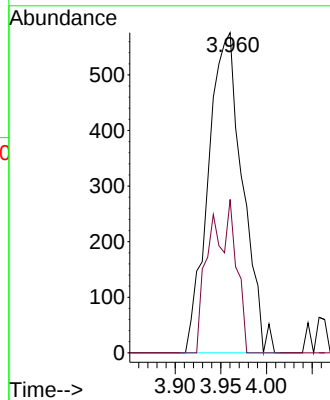
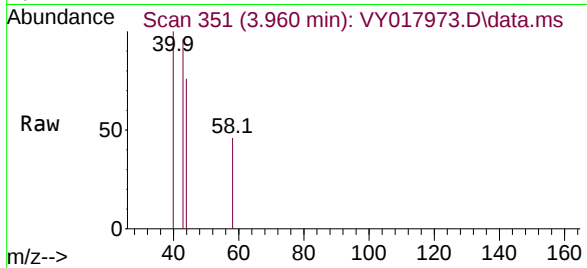
ClientSampleId :

Tgt Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

58 47.9 31.7 47.5#



#20

Methylene Chloride

Concen: 11.91 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Tgt Ion: 84 Resp: 47041

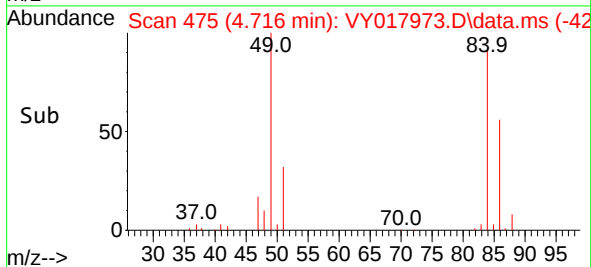
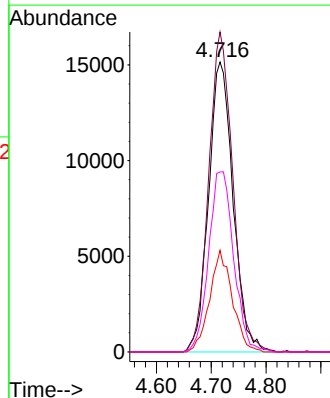
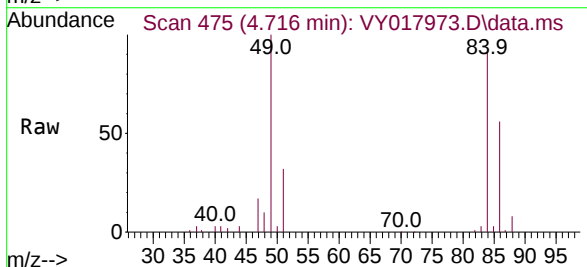
Ion Ratio Lower Upper

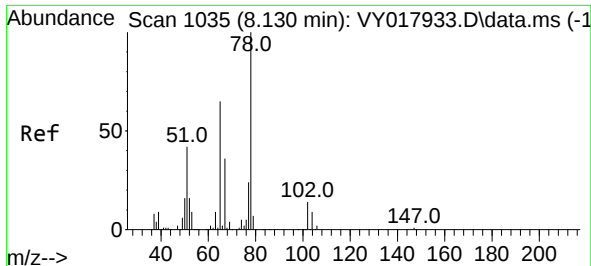
84 100

49 110.4 84.4 126.6

51 35.1 26.0 39.0

86 62.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 52.84 ug/l

RT: 8.148 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA_Y

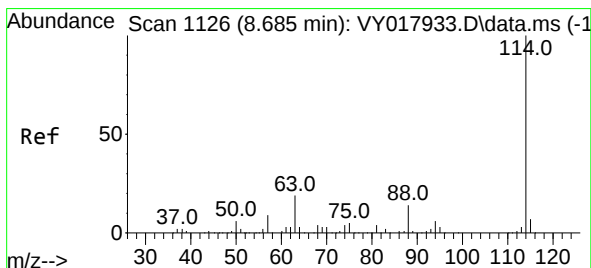
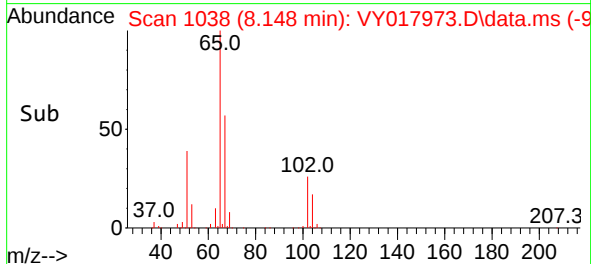
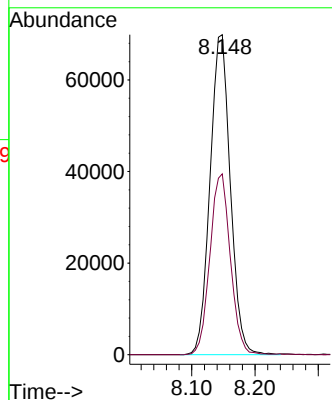
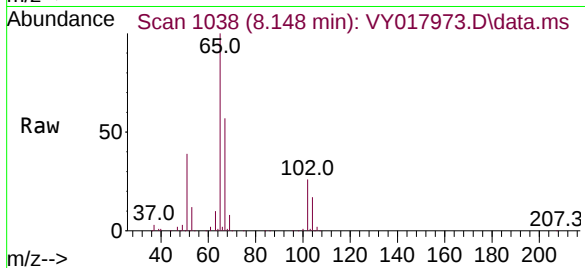
ClientSampleId :

Tgt Ion: 65 Resp: 155883

Ion Ratio Lower Upper

65 100

67 56.9 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: VY017973.D

Acq: 18 Apr 2024 14:03

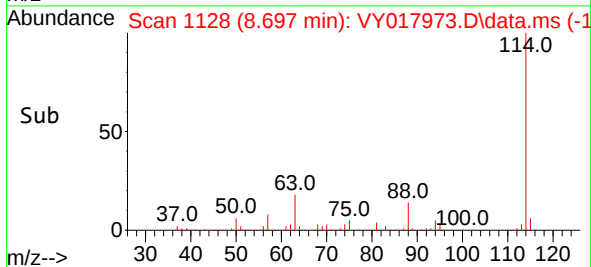
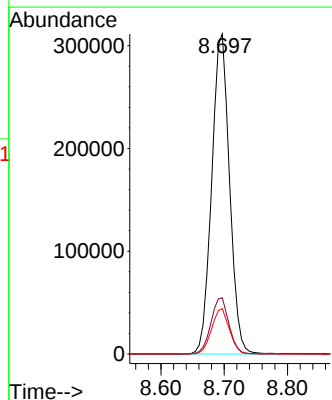
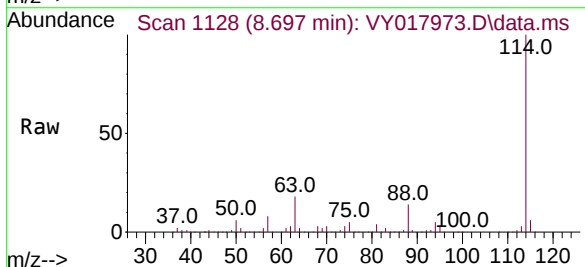
Tgt Ion:114 Resp: 608400

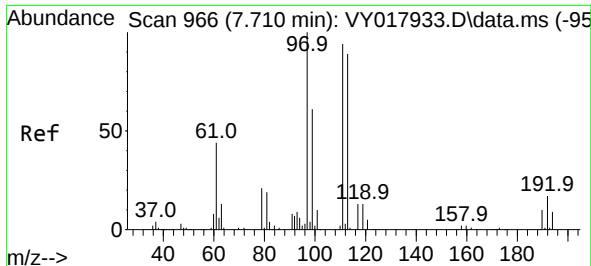
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

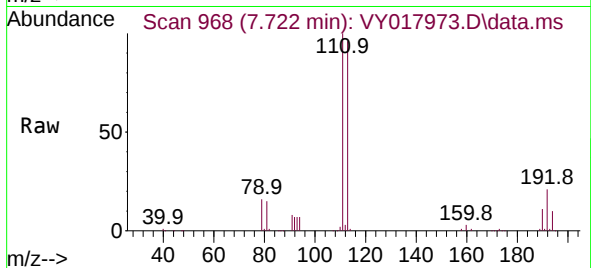
88 14.2 0.0 27.2



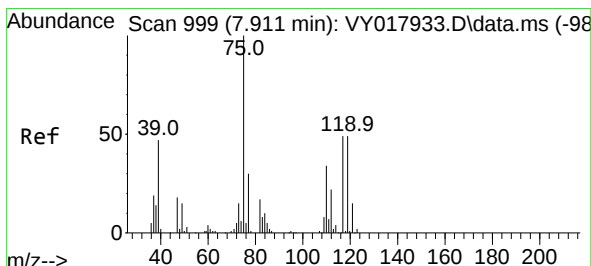
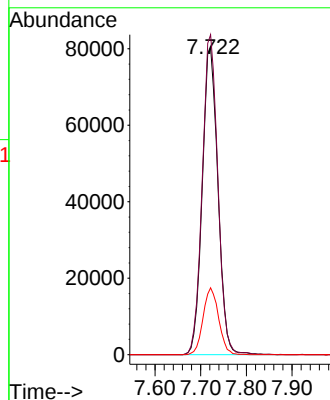
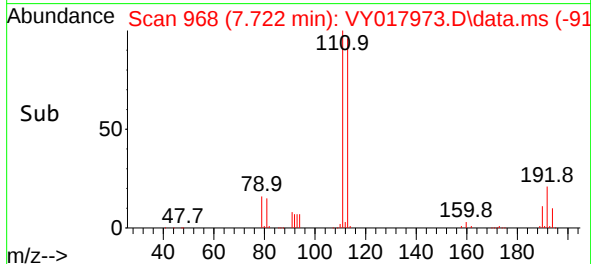


#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Instrument :
MSVOA_Y
ClientSampleId :

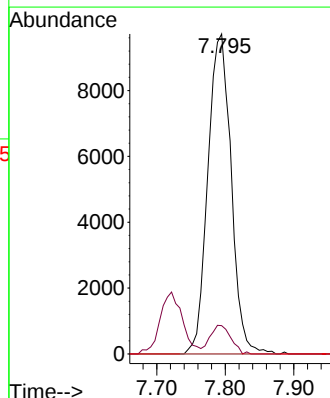
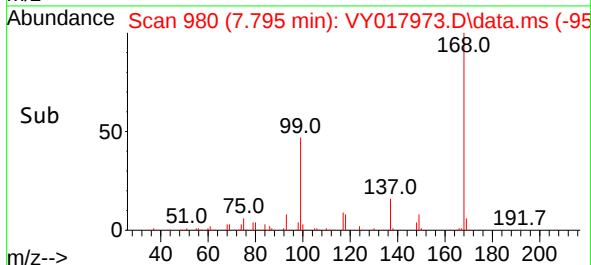
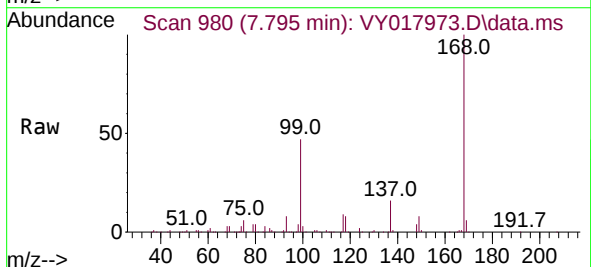


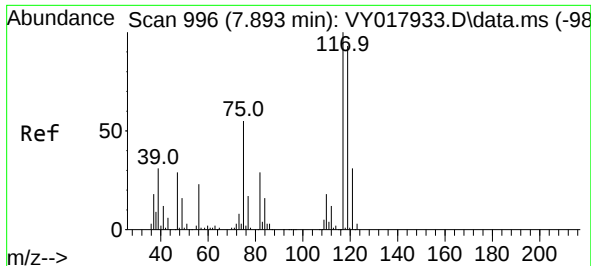
Tgt Ion:113 Resp: 191527
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 21.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

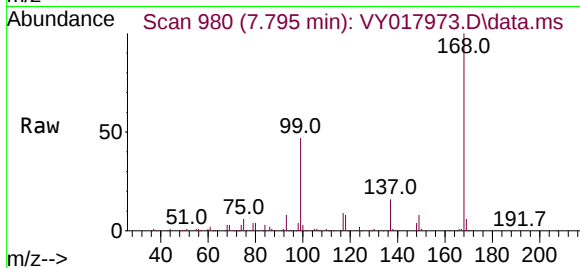
Tgt Ion: 75 Resp: 22905
Ion Ratio Lower Upper
75 100
110 8.0 19.0 57.0#
77 0.0 25.3 37.9#



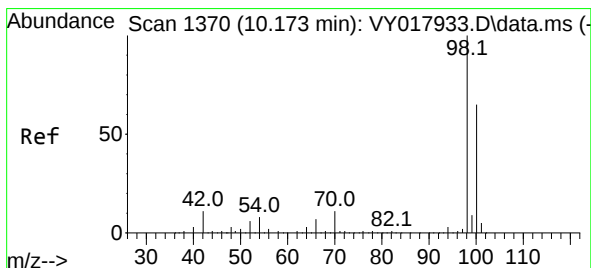
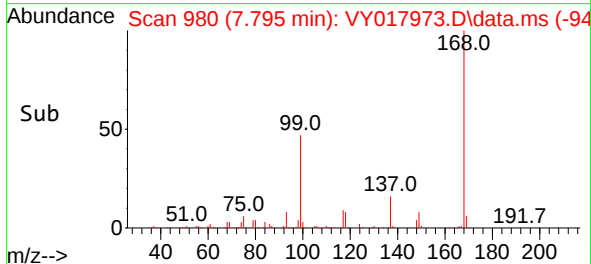
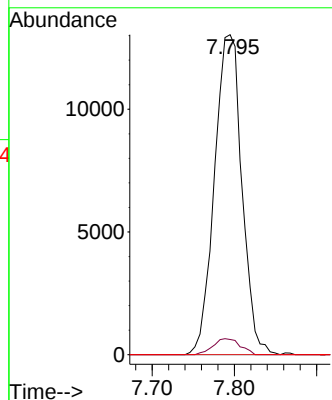


#38
Carbon Tetrachloride
Concen: 5.48 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Instrument :
MSVOA_Y
ClientSampleId :

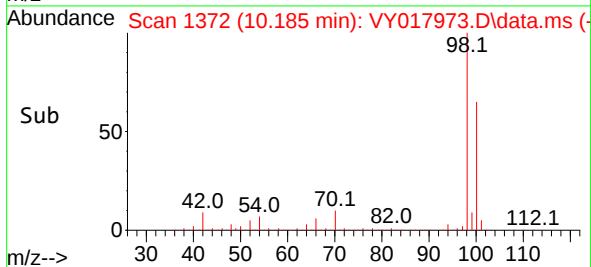
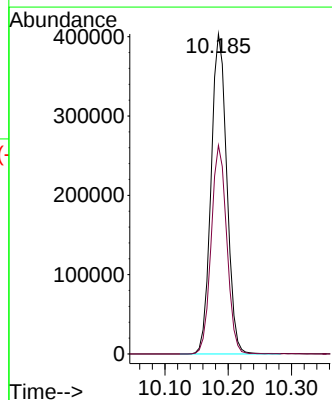
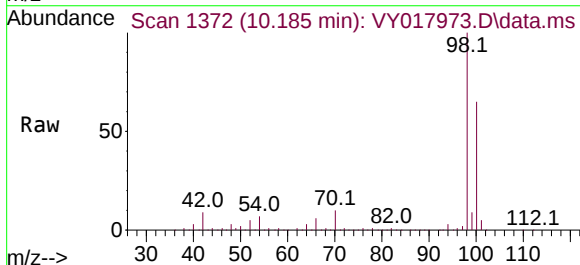


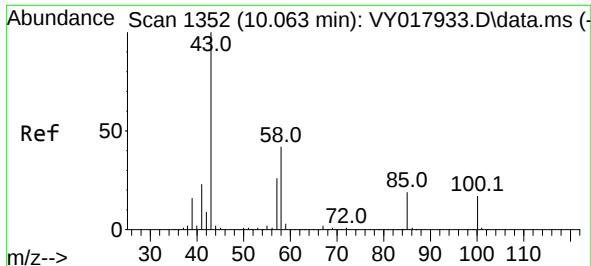
Tgt Ion:117 Resp: 30248
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.02 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Tgt Ion: 98 Resp: 698196
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

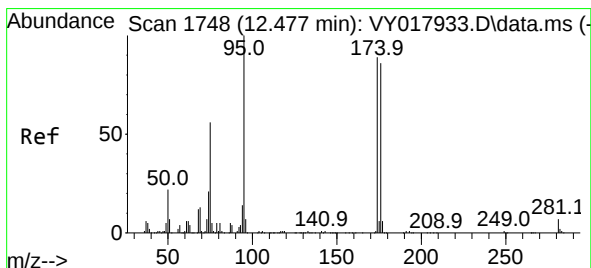
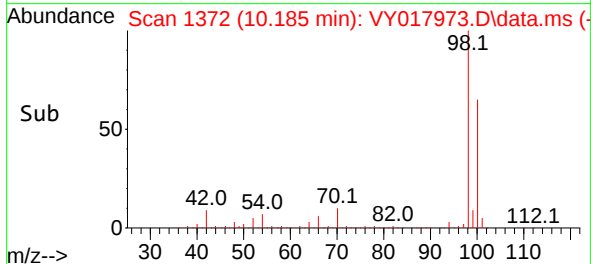
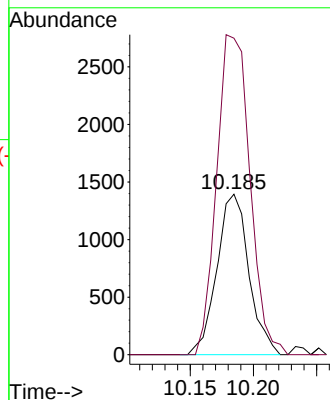
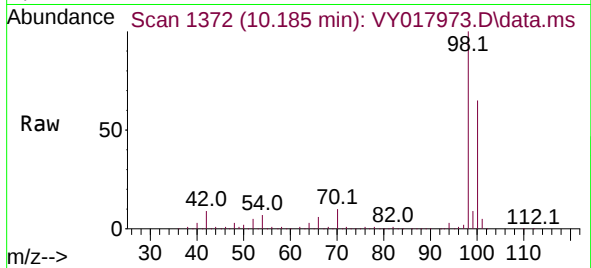




#51
4-Methyl-2-Pentanone
Concen: 1.10 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

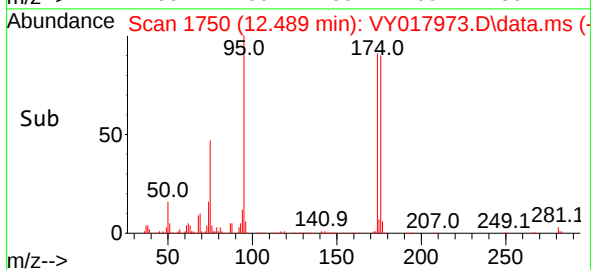
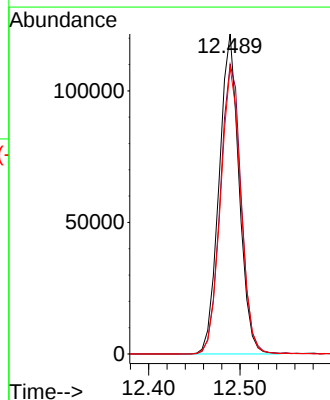
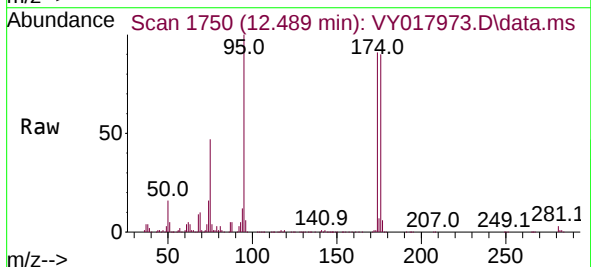
Instrument :
MSVOA_Y
ClientSampleId :

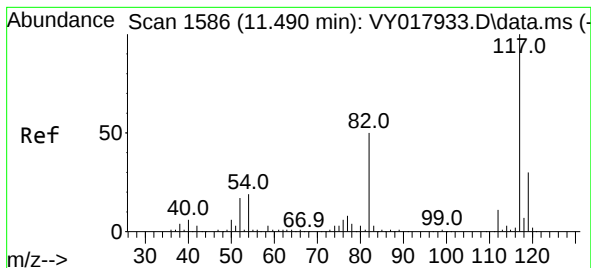
Tgt Ion: 43 Resp: 2452
Ion Ratio Lower Upper
43 100
58 207.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 41.90 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Tgt Ion: 95 Resp: 184820
Ion Ratio Lower Upper
95 100
174 94.7 0.0 175.6
176 90.9 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: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA_Y

ClientSampleId :

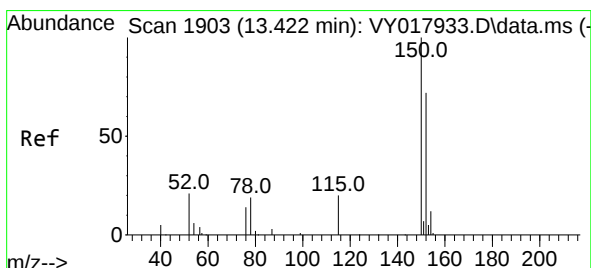
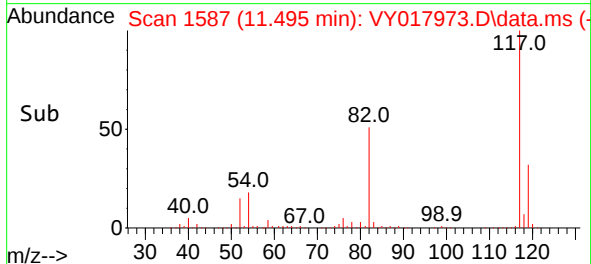
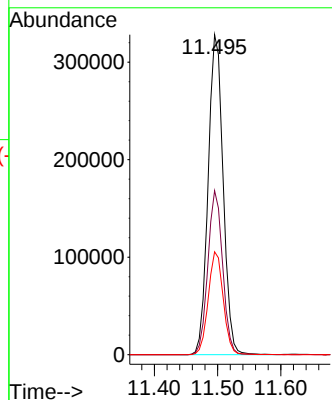
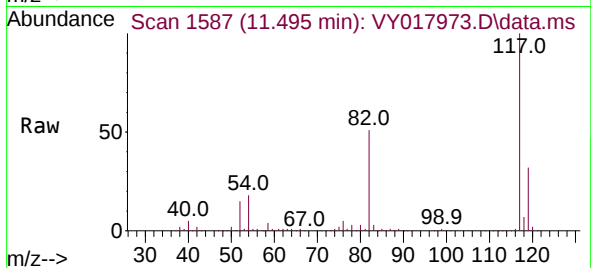
Tgt Ion:117 Resp: 541327

Ion Ratio Lower Upper

117 100

82 51.2 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: VY017973.D

Acq: 18 Apr 2024 14:03

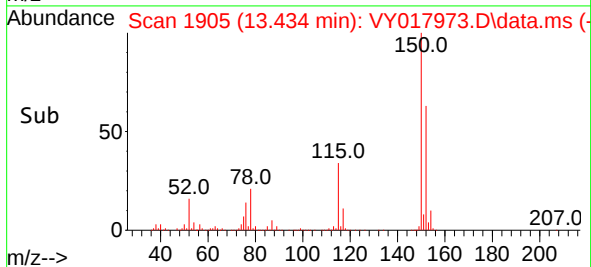
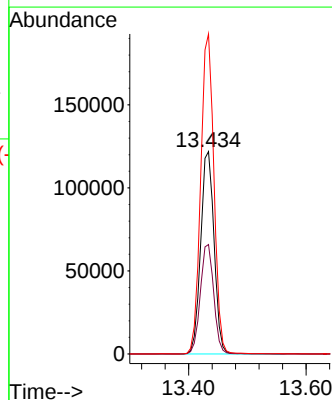
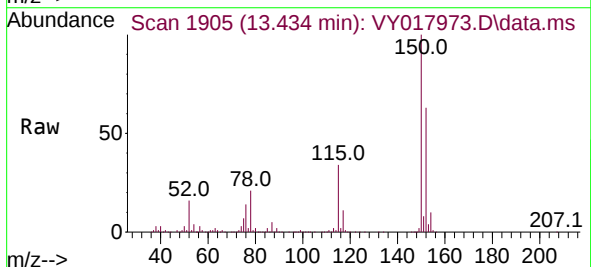
Tgt Ion:152 Resp: 192197

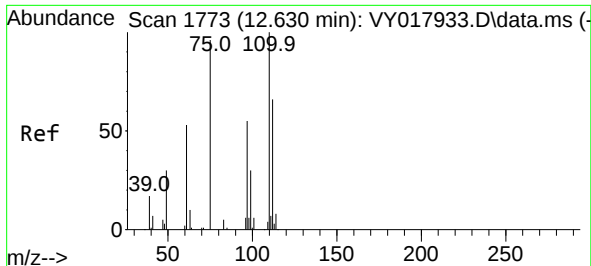
Ion Ratio Lower Upper

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115 54.1 28.2 84.7

150 156.1 0.0 345.6

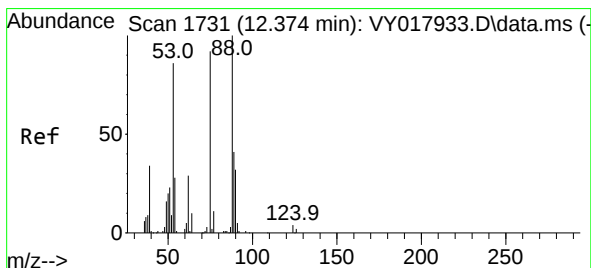
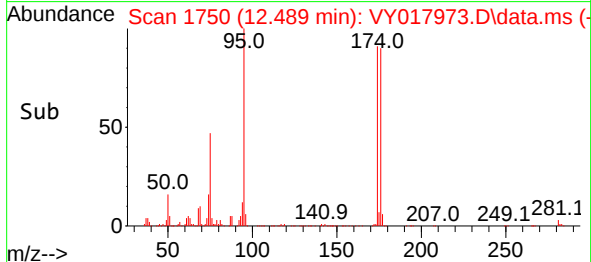
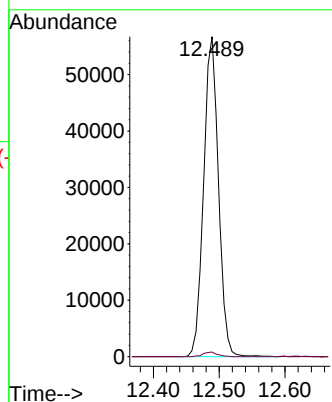
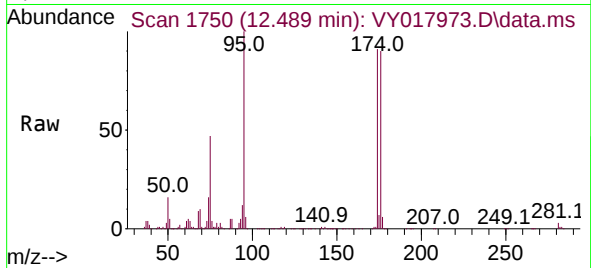




#76
1,2,3-Trichloropropane
Concen: 49.34 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 88979
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.72 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY017973.D
Acq: 18 Apr 2024 14:03

Tgt Ion: 75 Resp: 88979
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

