

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017983.D
 Acq On : 18 Apr 2024 18:02
 Operator : SY/MD
 Sample : P2178-03
 Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 19 02:04:04 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)

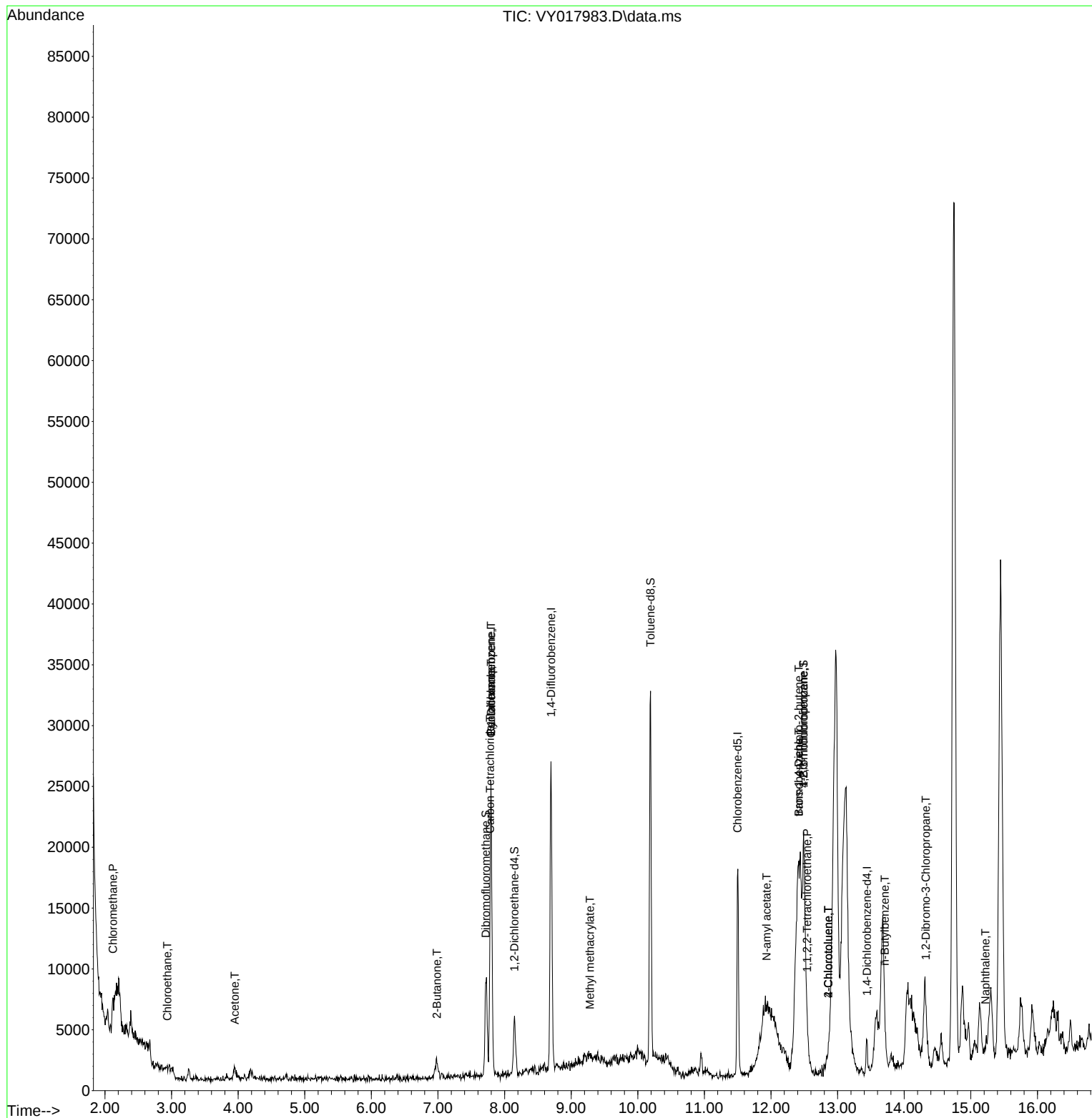
Internal Standards						
1) Pentafluorobenzene	7.795	168	18949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	23047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	10206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	1011	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3841	23.42	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	46.84%#
35) Dibromofluoromethane	7.716	113	6387	44.92	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.84%
50) Toluene-d8	10.191	98	22119	41.00	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.00%
62) 4-Bromofluorobenzene	12.489	95	1845	11.04	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	22.08%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	304	1.22	ug/l #	43
6) Chloroethane	2.936	64	386	2.18	ug/l #	42
16) Acetone	3.948	43	1950	60.18	ug/l #	86
25) 2-Butanone	6.984	43	96	2.02	ug/l #	41
31) Cyclohexane	7.795	56	343	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	1325	6.41	ug/l #	42
38) Carbon Tetrachloride	7.783	117	1675	8.02	ug/l #	13
48) Methyl methacrylate	9.282	41	78	1.07	ug/l #	31
74) N-amyl acetate	11.934	43	19	1.28	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.544	83	19	1.38	ug/l #	26
76) 1,2,3-Trichloropropane	12.489	75	1430	150.73	ug/l #	100
77) Bromobenzene	12.416	156	13342	748.40	ug/l #	1
79) 2-Chlorotoluene	12.861	91	68	1.36	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.416	75	681	148.00	ug/l #	21
82) 4-Chlorotoluene	12.861	91	68	1.31	ug/l	87
89) n-Butylbenzene	13.709	91	72	1.16	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.324	75	136	76.96	ug/l #	1
95) Naphthalene	15.220	128	179	6.11	ug/l #	69

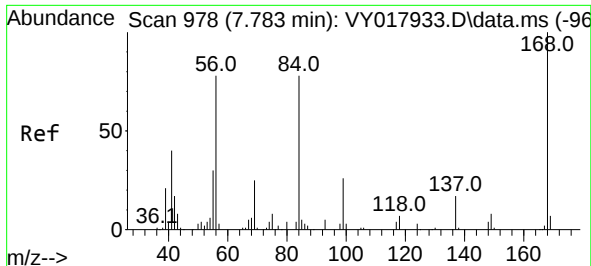
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 19 02:04:04 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

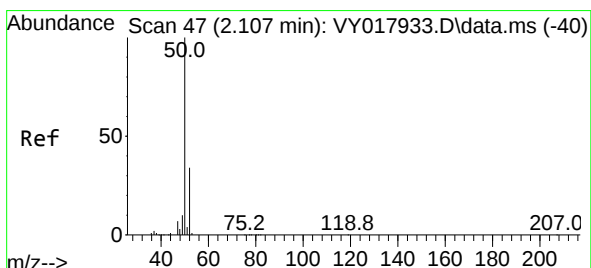
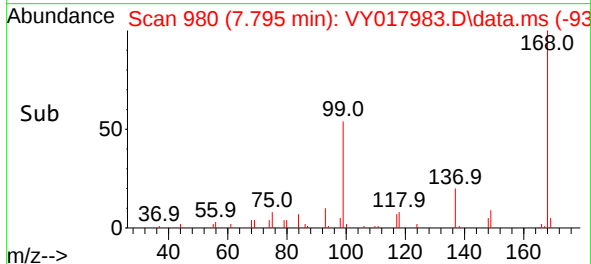
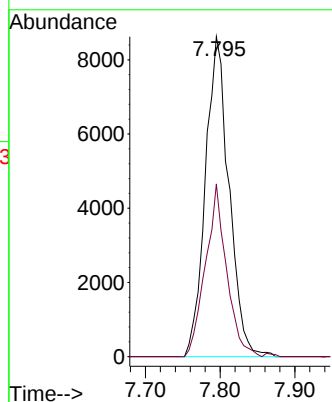
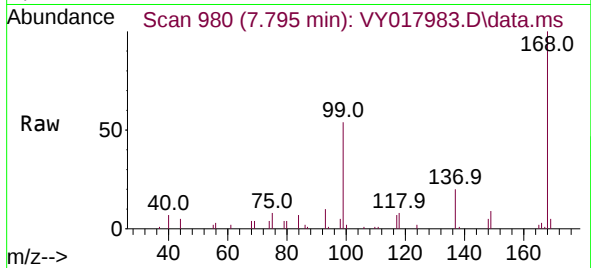




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

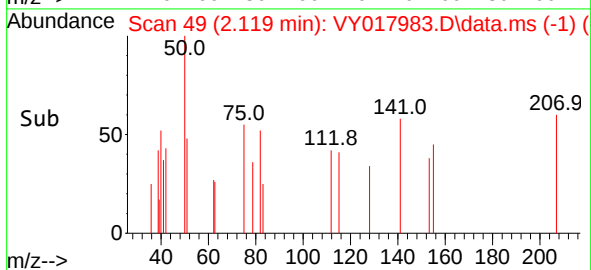
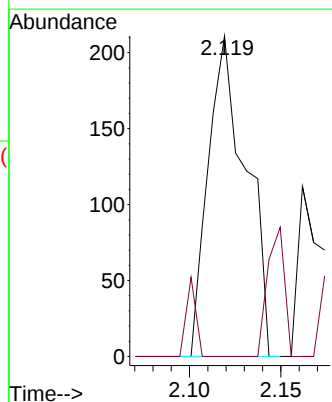
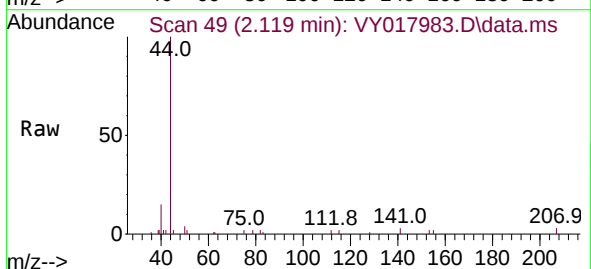
Instrument :
MSVOA_Y
ClientSampleId :

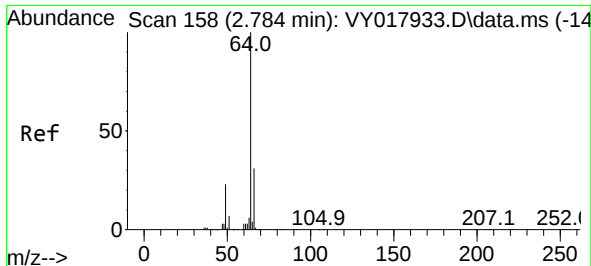
Tgt Ion:168 Resp: 18949
Ion Ratio Lower Upper
168 100
99 54.0 39.1 58.7



#3
Chloromethane
Concen: 1.22 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

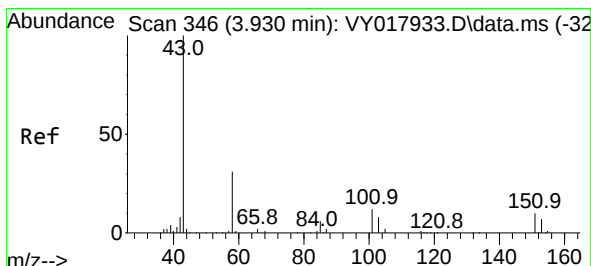
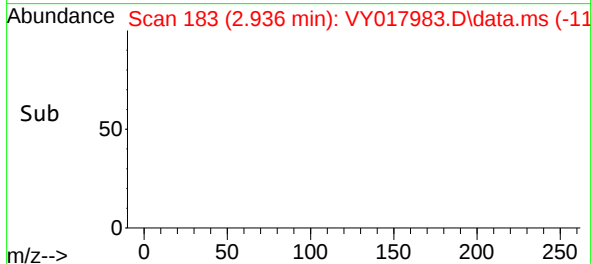
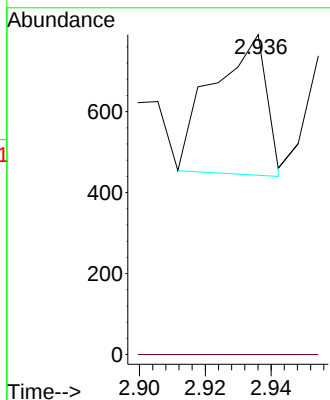
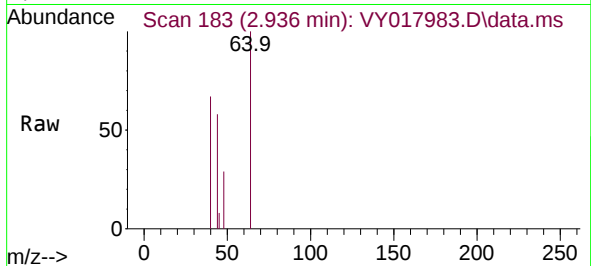




#6
Chloroethane
Concen: 2.18 ug/l
RT: 2.936 min Scan# 11
Delta R.T. 0.146 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

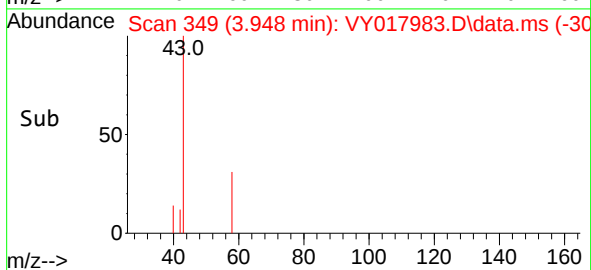
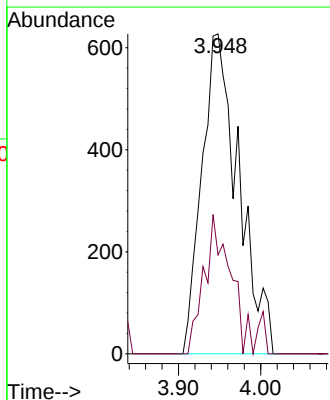
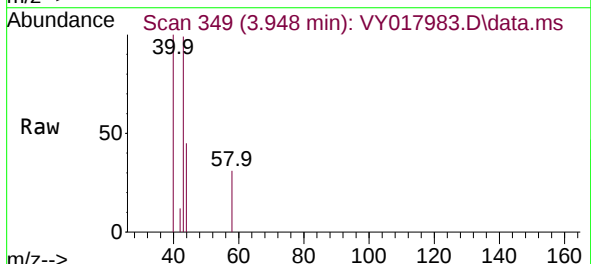
Instrument :
MSVOA_Y
ClientSampleId :

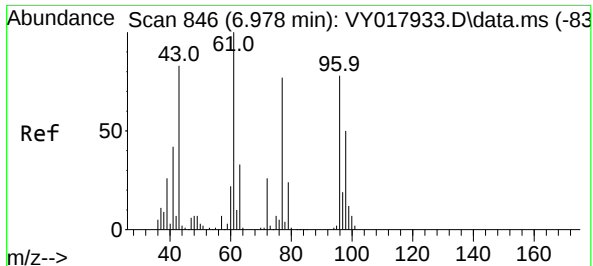
Tgt Ion: 64 Resp: 386
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#16
Acetone
Concen: 60.18 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

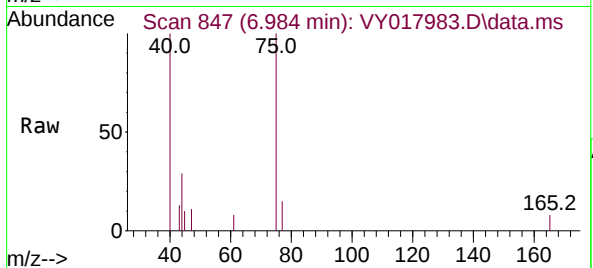
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 30.9 31.7 47.5#



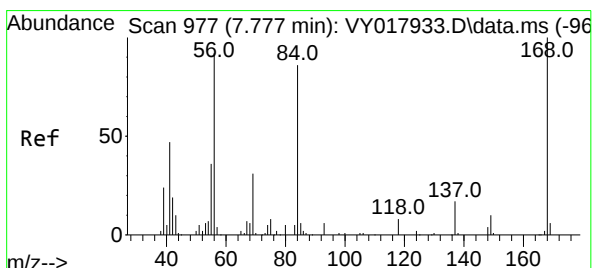
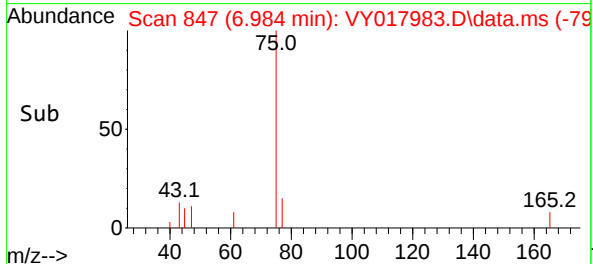
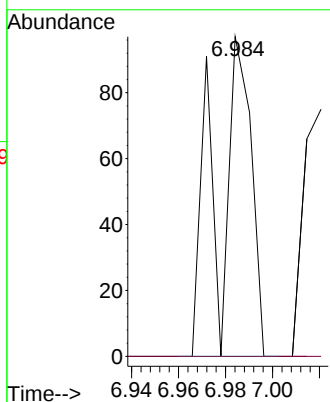


#25
2-Butanone
Concen: 2.02 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :

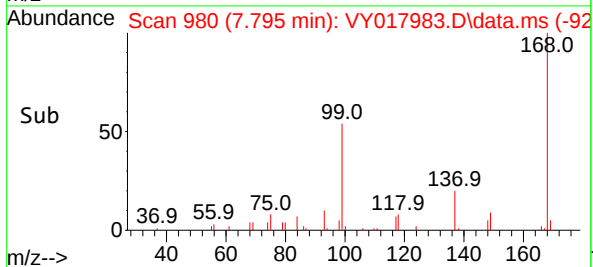
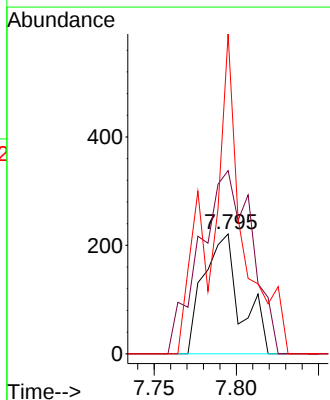
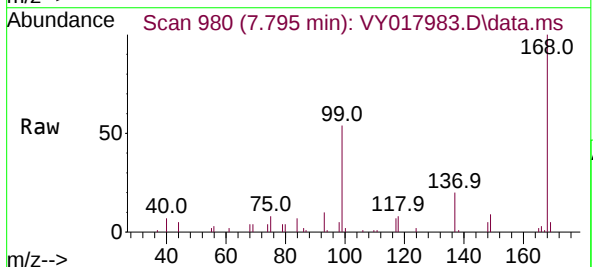


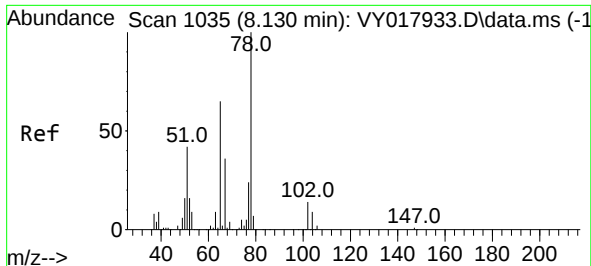
Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
69 152.9 28.7 43.1#
84 267.0 77.7 116.5#

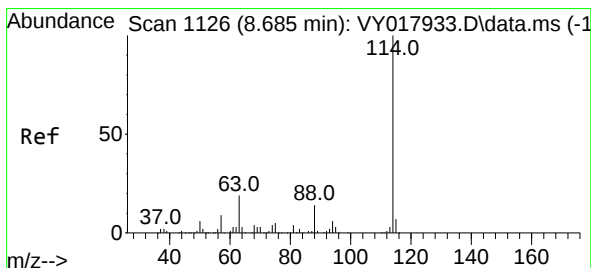
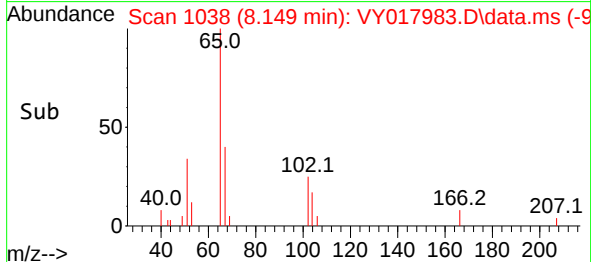
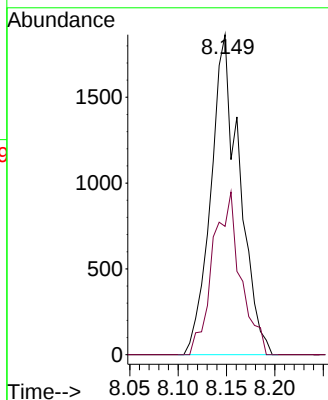
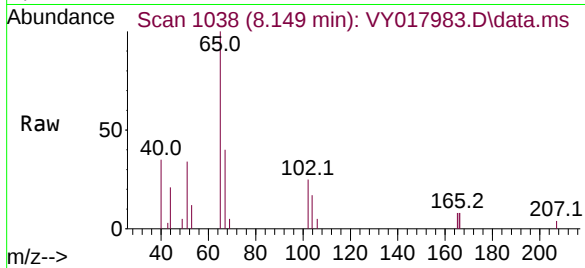




#33
 1,2-Dichloroethane-d4
 Concen: 23.42 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY017983.D
 Acq: 18 Apr 2024 18:02

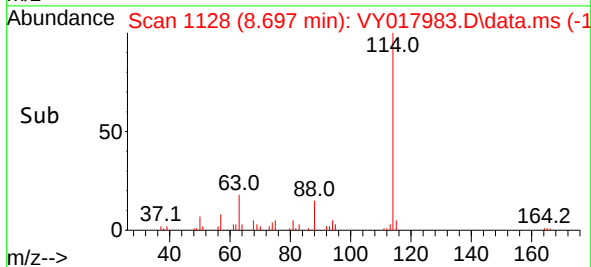
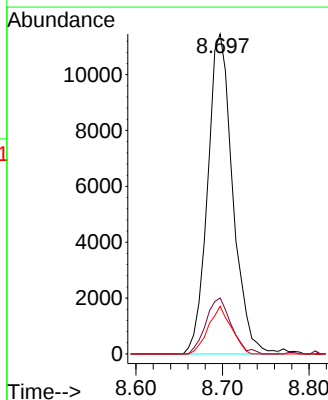
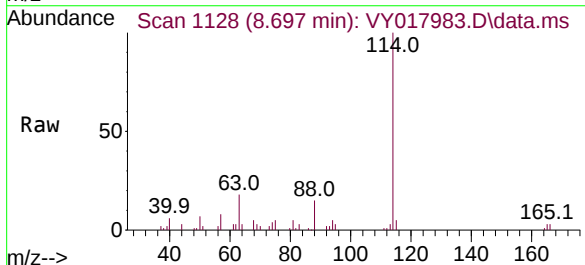
Instrument :
 MSVOA_Y
 ClientSampleId :

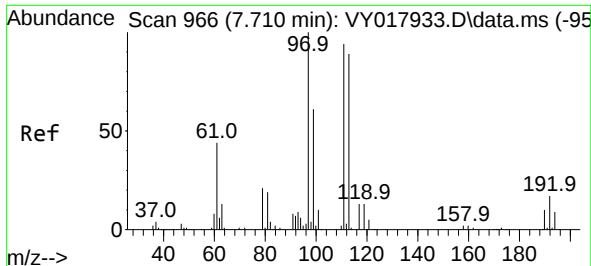
Tgt Ion: 65 Resp: 3841
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY017983.D
 Acq: 18 Apr 2024 18:02

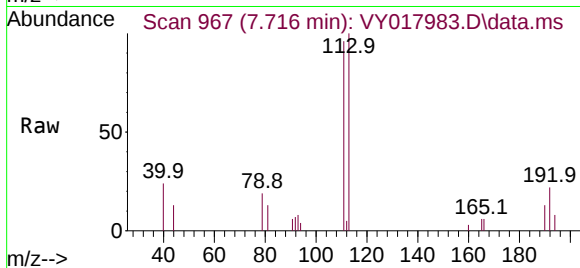
Tgt Ion: 114 Resp: 23047
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 14.9 0.0 27.2



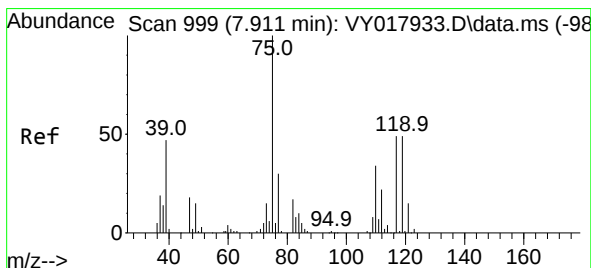
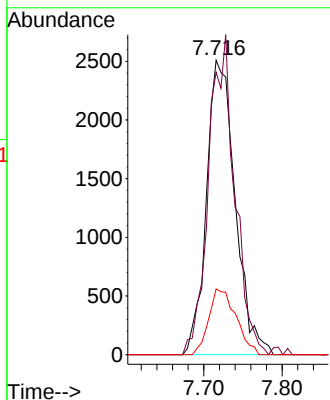
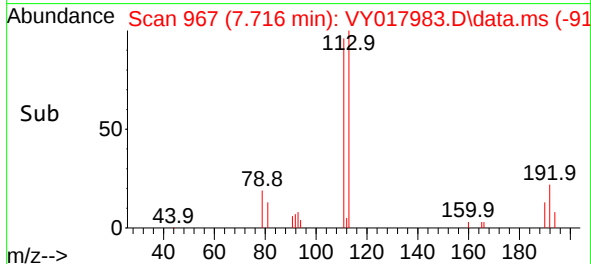


#35
Dibromofluoromethane
Concen: 44.92 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Instrument :
MSVOA_Y
ClientSampleId :

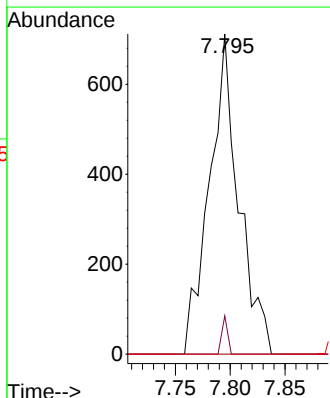
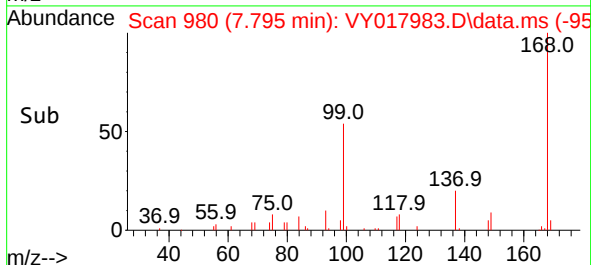
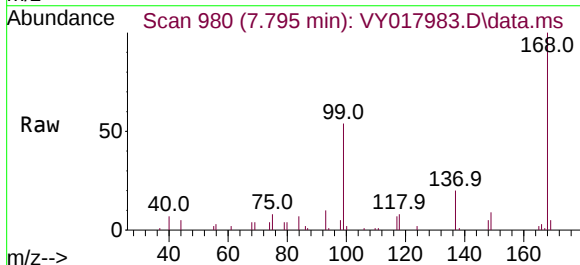


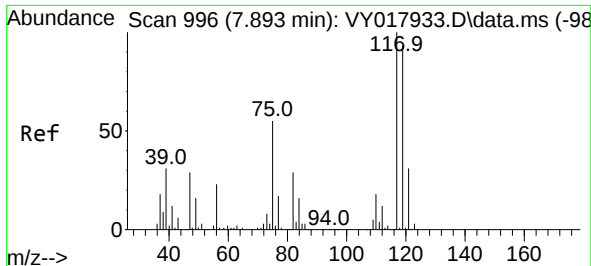
Tgt Ion:113 Resp: 6387
Ion Ratio Lower Upper
113 100
111 98.6 82.2 123.4
192 21.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.41 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

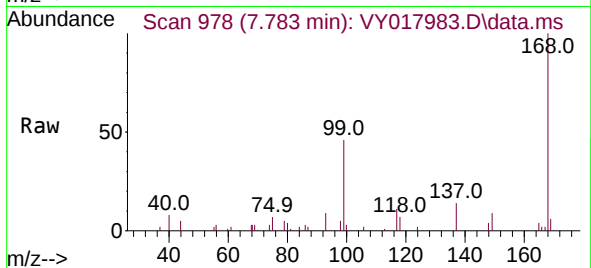
Tgt Ion: 75 Resp: 1325
Ion Ratio Lower Upper
75 100
110 2.3 19.0 57.0#
77 0.0 25.3 37.9#



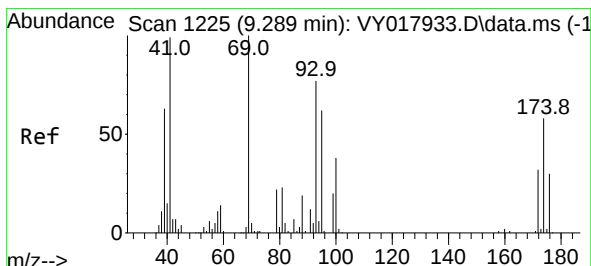
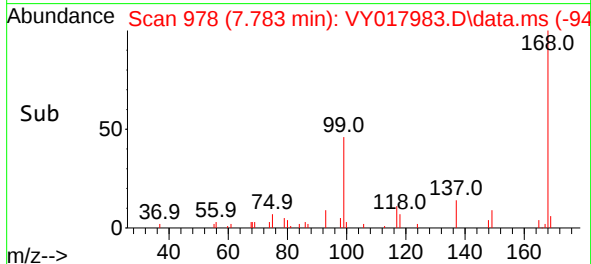
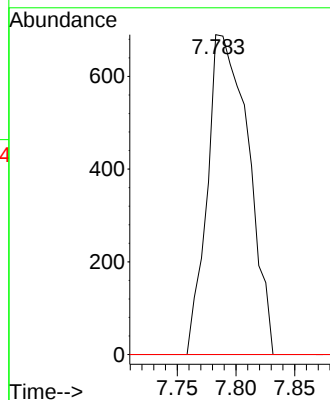


#38
Carbon Tetrachloride
Concen: 8.02 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Instrument :
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ClientSampleId :

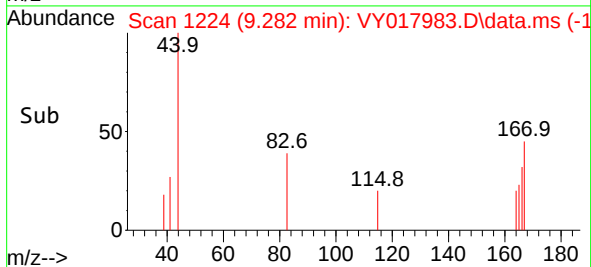
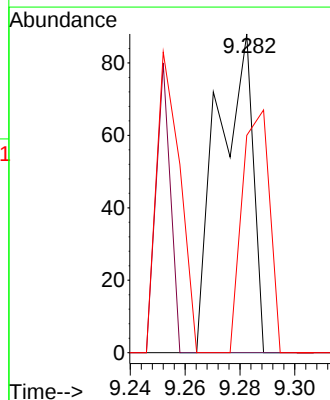
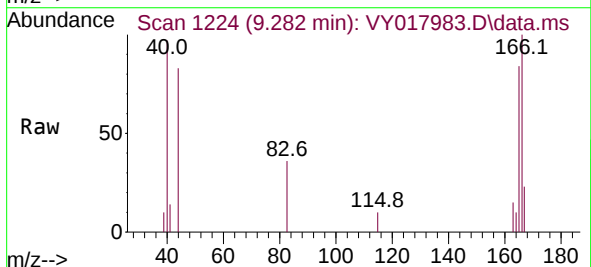


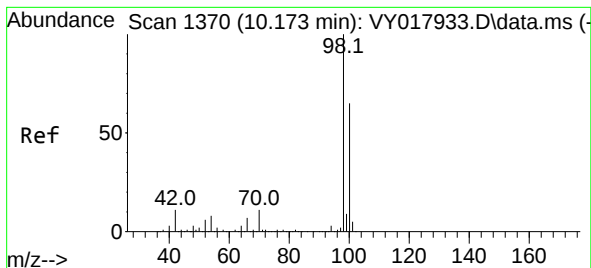
Tgt Ion:117 Resp: 1675
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 1.07 ug/l
RT: 9.282 min Scan# 1224
Delta R.T. -0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 41 Resp: 78
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 59.0 43.6 65.4

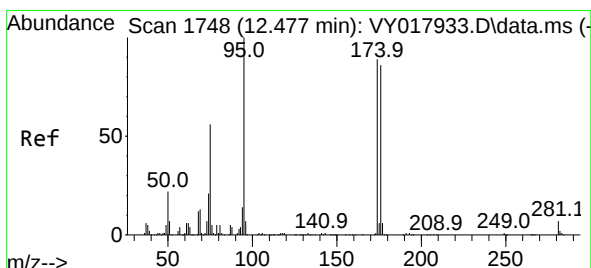
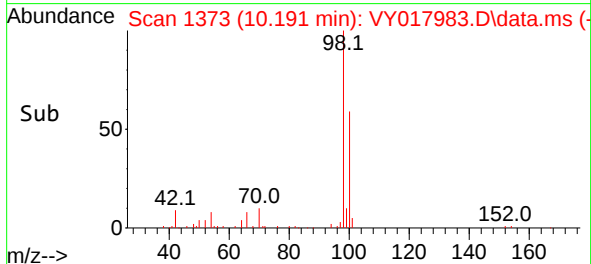
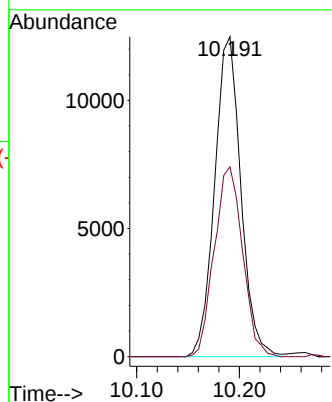
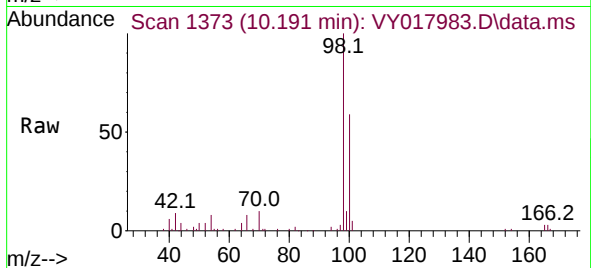




#50
Toluene-d8
Concen: 41.00 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

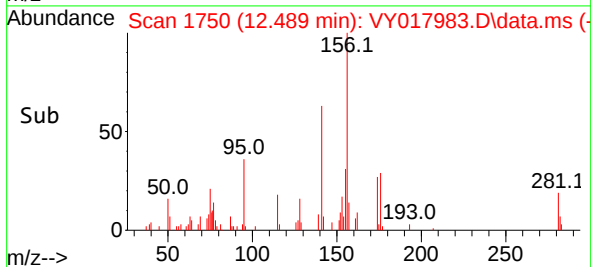
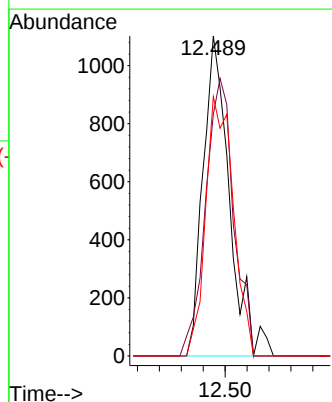
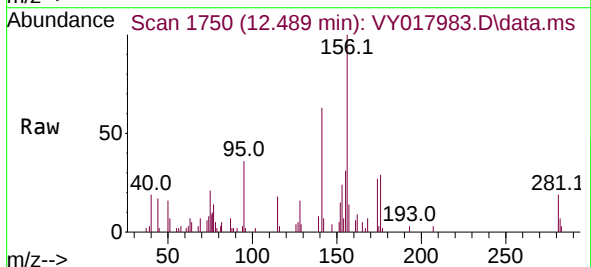
Instrument :
MSVOA_Y
ClientSampleId :

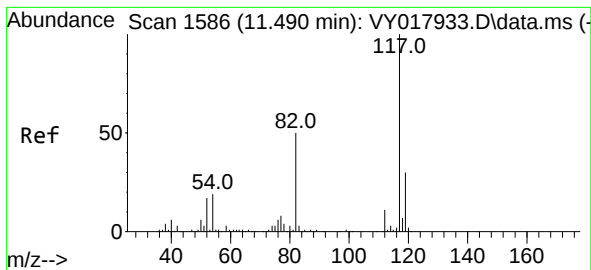
Tgt Ion: 98 Resp: 22119
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 11.04 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 95 Resp: 1845
Ion Ratio Lower Upper
95 100
174 92.6 0.0 175.6
176 84.6 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: VY017983.D

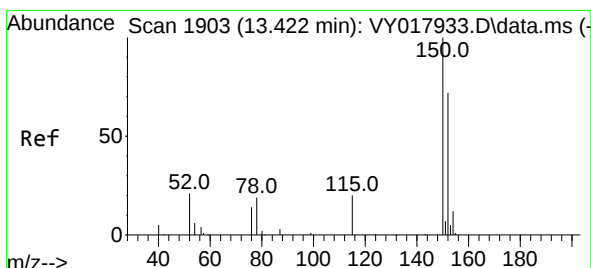
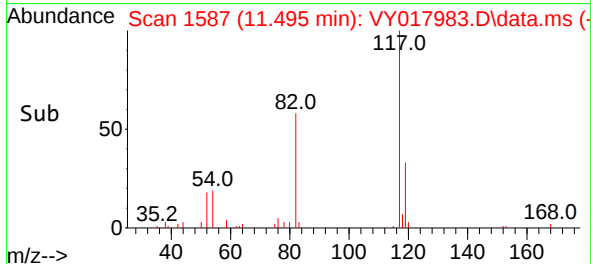
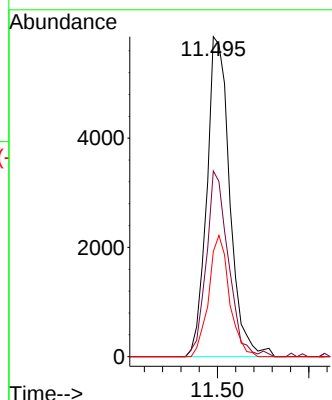
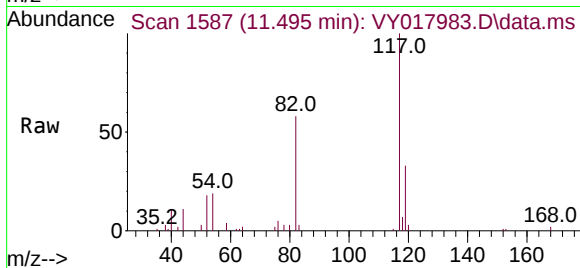
Acq: 18 Apr 2024 18:02

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	10206
Ion Ratio	Lower	Upper
117	100	
82	58.1	42.4 63.6
119	32.9	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

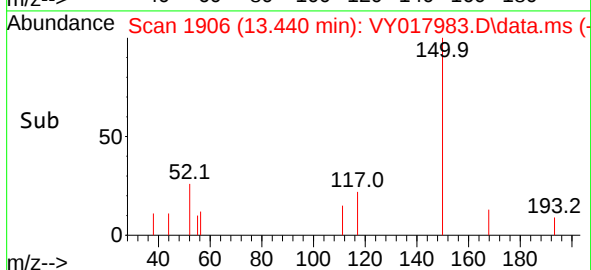
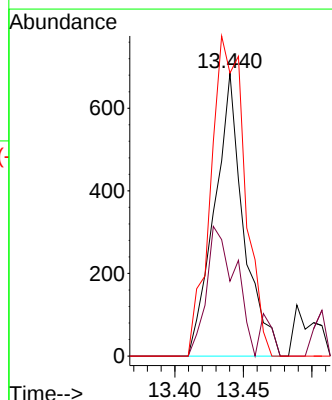
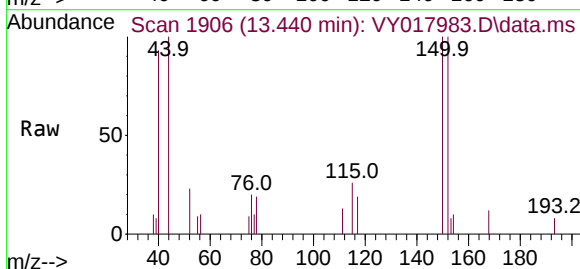
RT: 13.440 min Scan# 1906

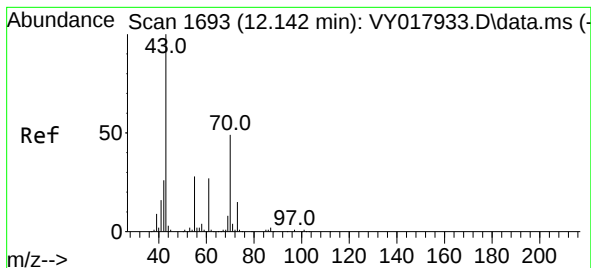
Delta R.T. 0.012 min

Lab File: VY017983.D

Acq: 18 Apr 2024 18:02

Tgt Ion:152	Resp:	1011
Ion Ratio	Lower	Upper
152	100	
115	45.8	28.2 84.7
150	132.5	0.0 345.6





#74

N-amy1 acetate

Concen: 1.28 ug/l

RT: 11.934 min Scan# 1

Delta R.T. -0.207 min

Lab File: VY017983.D

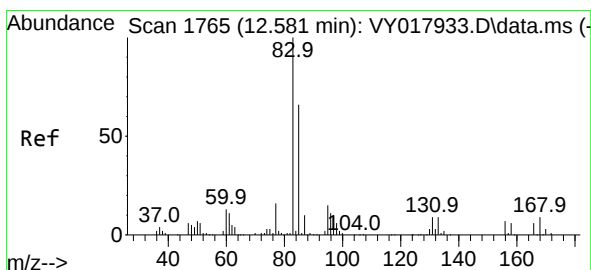
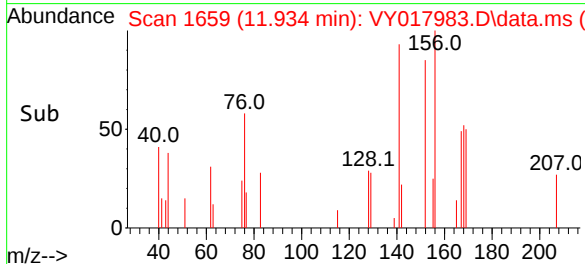
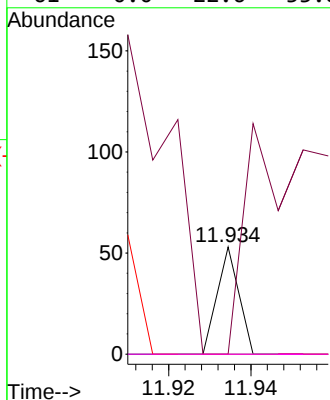
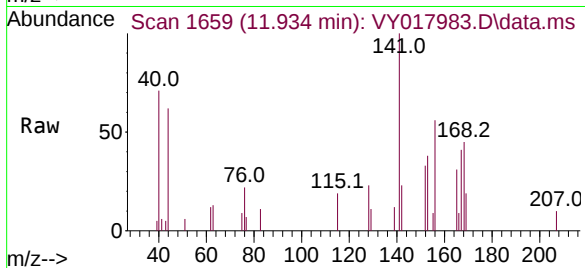
Acq: 18 Apr 2024 18:02

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43	Resp: 19
Ion Ratio	Lower Upper
43	100
70	1226.3 41.4 62.2#
55	0.0 23.3 34.9#
61	0.0 22.6 33.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.38 ug/l

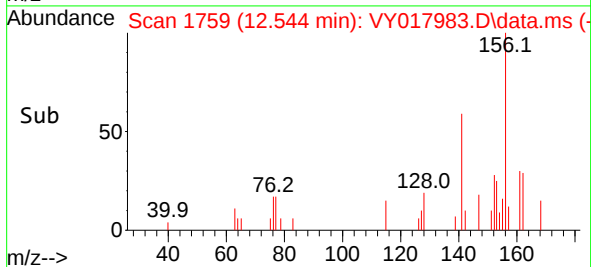
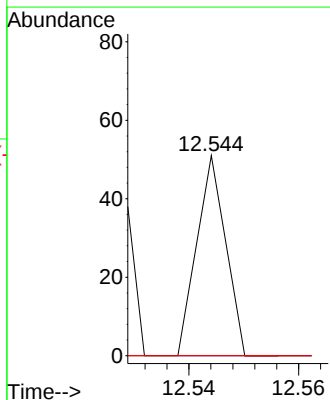
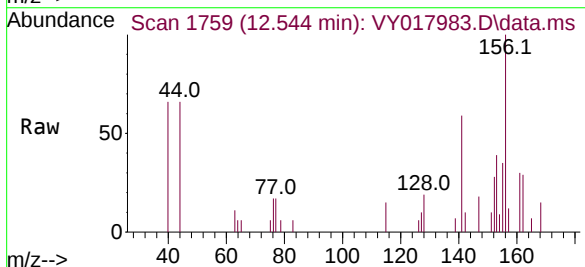
RT: 12.544 min Scan# 1759

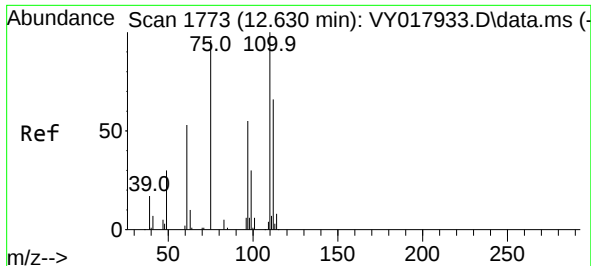
Delta R.T. -0.037 min

Lab File: VY017983.D

Acq: 18 Apr 2024 18:02

Tgt Ion: 83	Resp: 19
Ion Ratio	Lower Upper
83	100
131	0.0 5.0 14.9#
85	0.0 32.0 96.0#

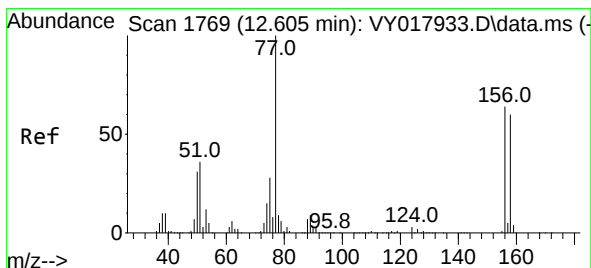
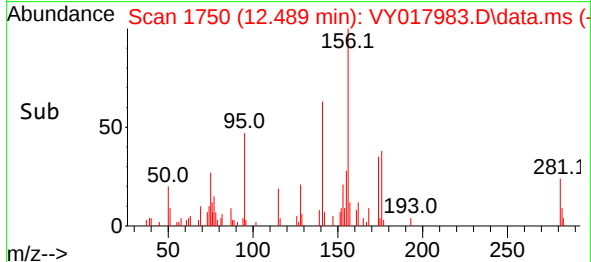
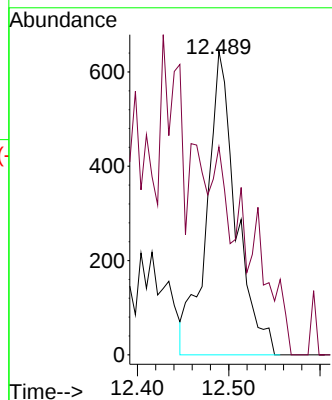
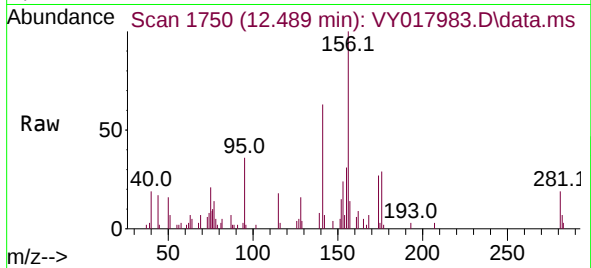




#76
1,2,3-Trichloropropane
Concen: 150.73 ug/l
RT: 12.489 min Scan# 1738
Delta R.T. -0.146 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

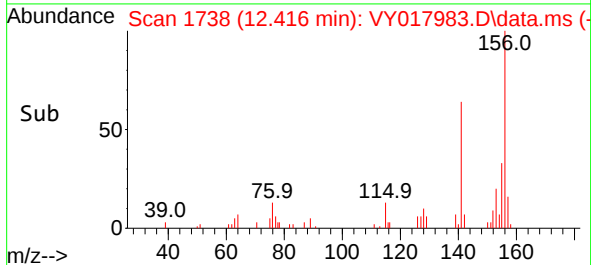
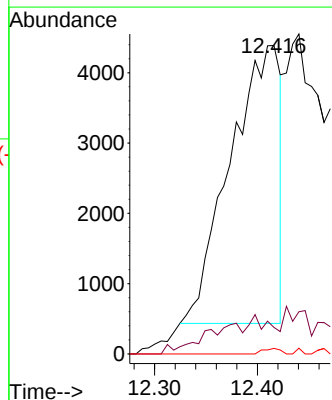
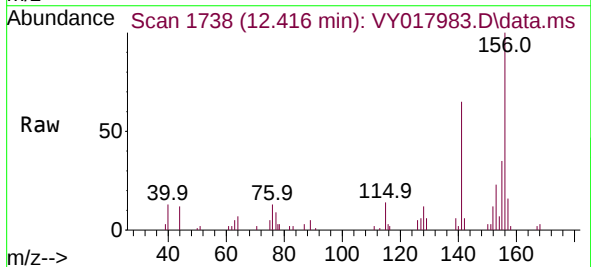
Instrument :
MSVOA_Y
ClientSampleId :

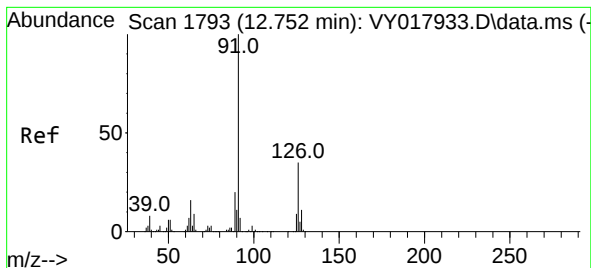
Tgt Ion: 75 Resp: 1430
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 748.40 ug/l
RT: 12.416 min Scan# 1738
Delta R.T. -0.195 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion:156 Resp: 13342
Ion Ratio Lower Upper
156 100
77 3.9 87.1 261.3#
158 0.7 48.6 145.9#





#79

2-Chlorotoluene

Concen: 1.36 ug/l

RT: 12.861 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY017983.D

Acq: 18 Apr 2024 18:02

Instrument :

MSVOA_Y

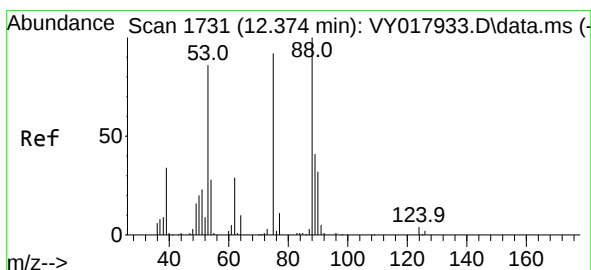
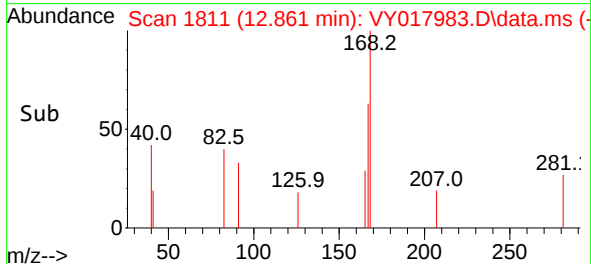
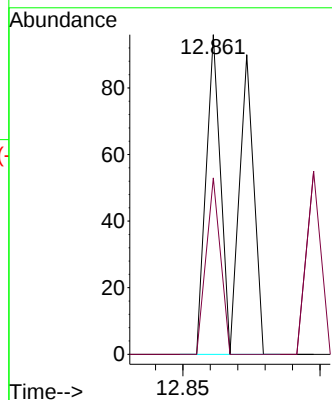
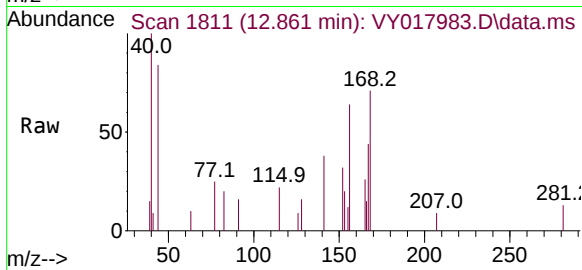
ClientSampleId :

Tgt Ion: 91 Resp: 68

Ion Ratio Lower Upper

91 100

126 27.9 17.8 53.5



#81

trans-1,4-Dichloro-2-butene

Concen: 148.00 ug/l

RT: 12.416 min Scan# 1738

Delta R.T. 0.037 min

Lab File: VY017983.D

Acq: 18 Apr 2024 18:02

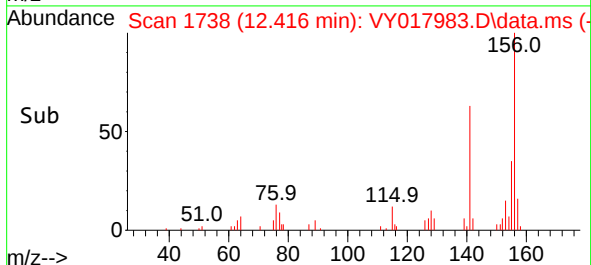
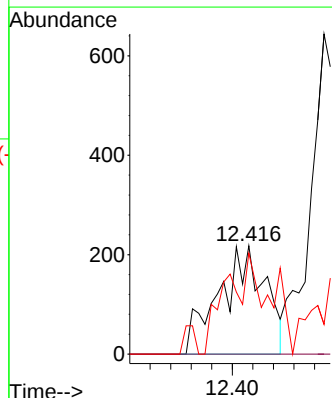
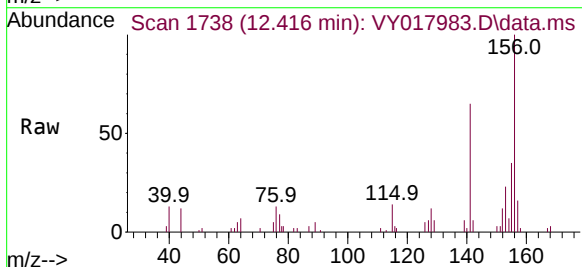
Tgt Ion: 75 Resp: 681

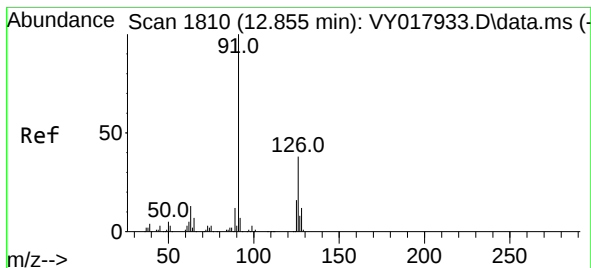
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 10.3 35.8 53.6#

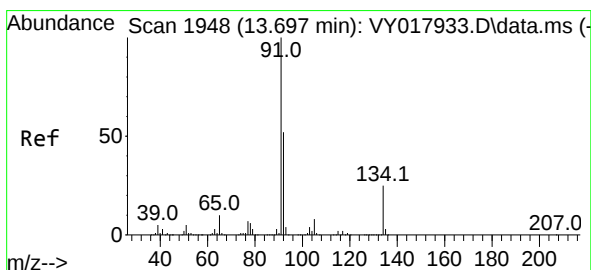
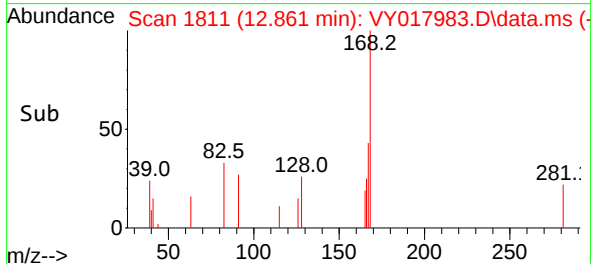
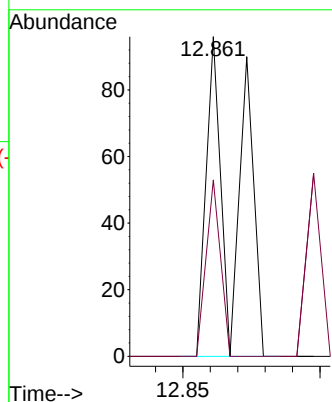
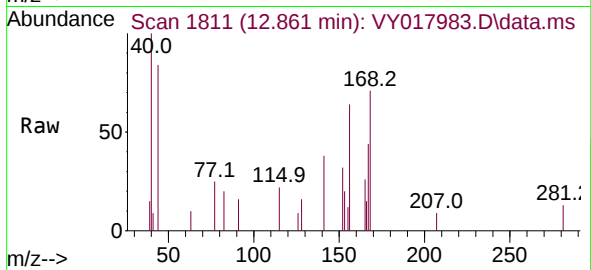




#82
4-Chlorotoluene
Concen: 1.31 ug/l
RT: 12.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

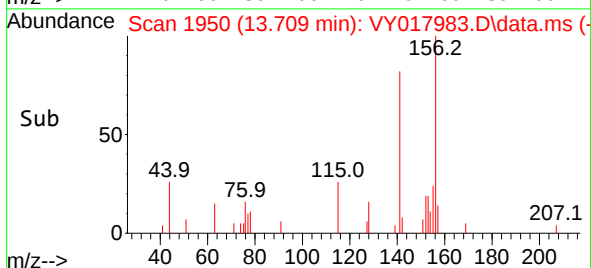
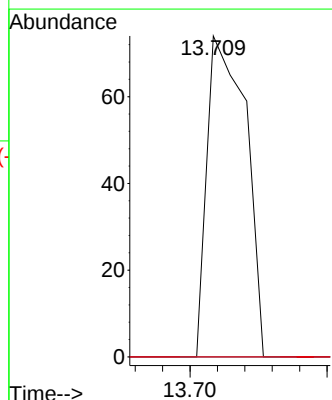
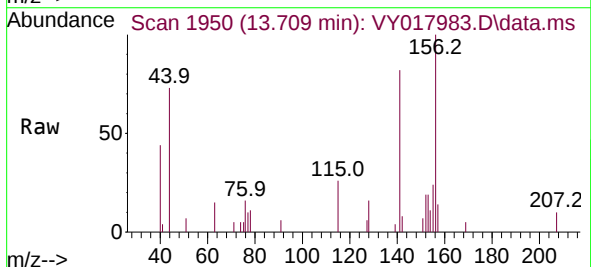
Instrument :
MSVOA_Y
ClientSampleId :

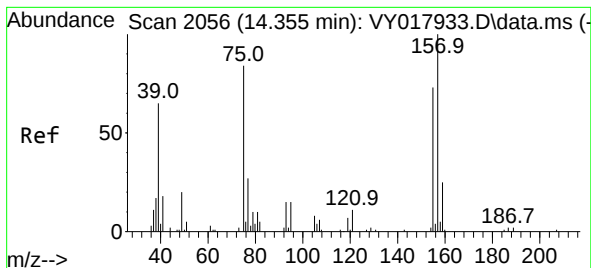
Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
126 27.9 17.6 52.9



#89
n-Butylbenzene
Concen: 1.16 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. 0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

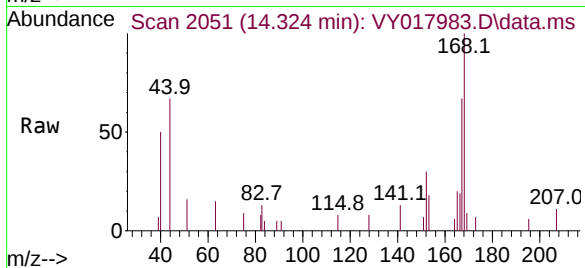
Tgt Ion: 91 Resp: 72
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 12.9 38.7#



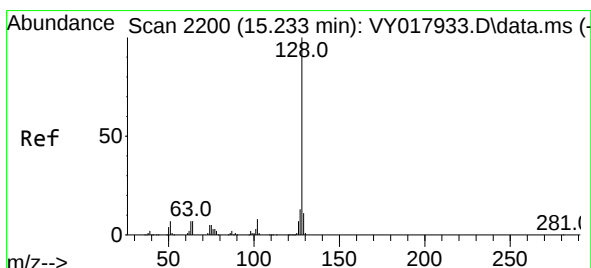
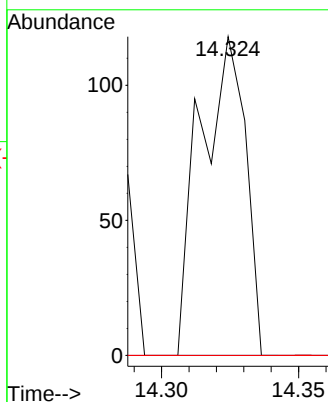
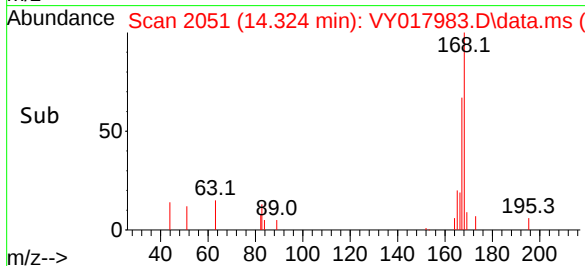


#92
1,2-Dibromo-3-Chloropropane
Concen: 76.96 ug/l
RT: 14.324 min Scan# 2051
Delta R.T. -0.030 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

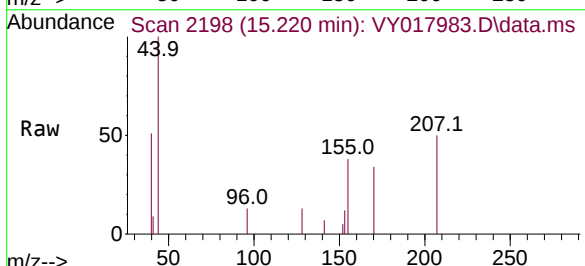
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 6.11 ug/l
RT: 15.220 min Scan# 2198
Delta R.T. -0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02



Tgt Ion: 128 Resp: 179
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

