

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017981.D
 Acq On : 18 Apr 2024 17:14
 Operator : SY/MD
 Sample : P2124-01
 Misc : 7.47g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-131-SB01

Quant Time: Apr 19 02:03:24 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)

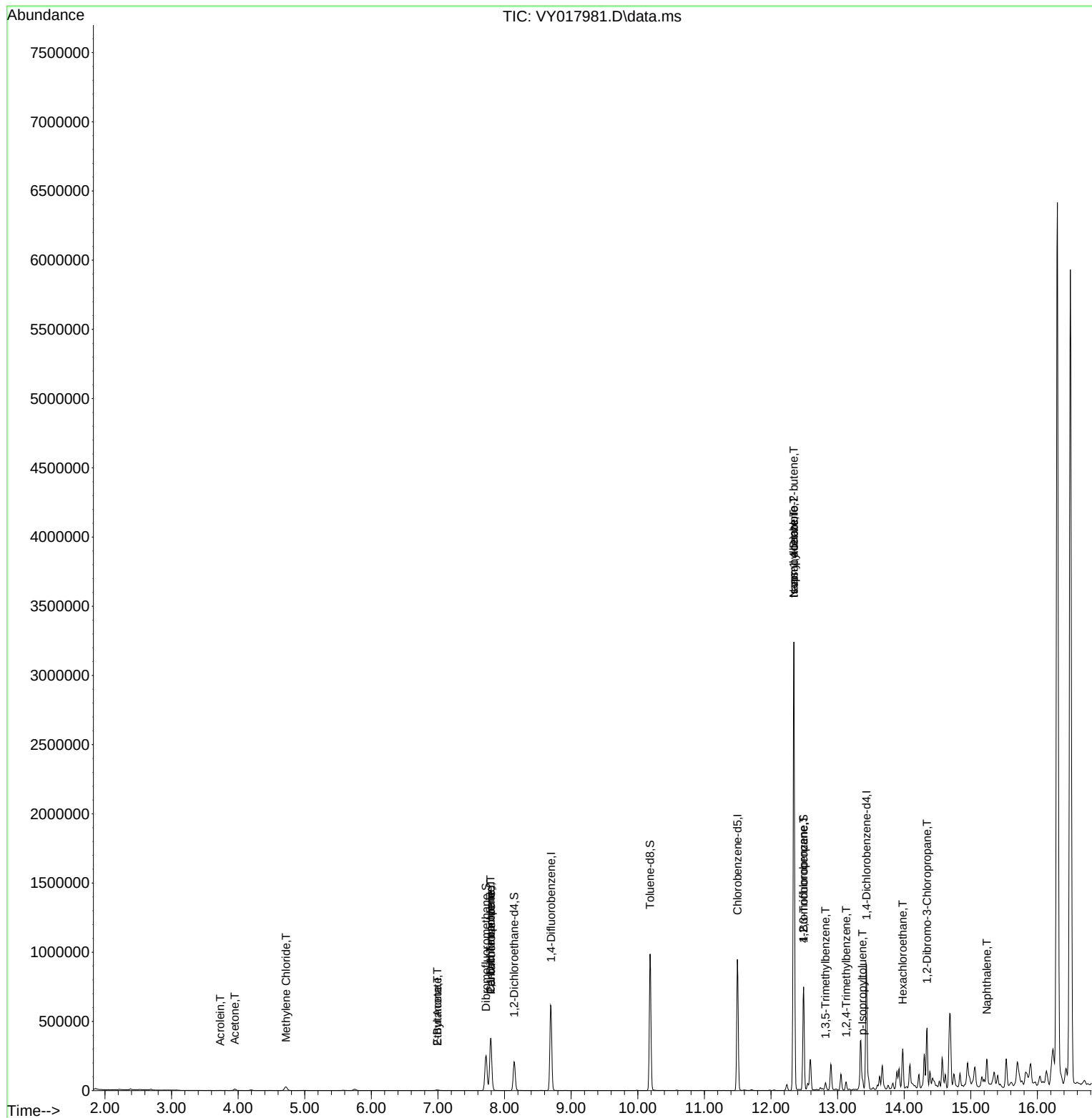
Internal Standards						
1) Pentafluorobenzene	7.795	168	323511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	578453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	541197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	250064	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	155903	55.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.38%
35) Dibromofluoromethane	7.722	113	184728	51.76	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.52%
50) Toluene-d8	10.185	98	672758	49.68	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.36%
62) 4-Bromofluorobenzene	12.489	95	228795	54.56	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.12%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	595	Below Cal	#	88
13) Acrolein	3.729	56	356	1.63	ug/l #	66
16) Acetone	3.948	43	17071	30.86	ug/l	95
20) Methylene Chloride	4.716	84	21939	5.85	ug/l	97
25) 2-Butanone	6.990	43	4797	5.90	ug/l	89
36) 1,1-Dichloropropene	7.789	75	21808	4.20	ug/l #	47
37) Ethyl Acetate	6.990	43	4797	2.25	ug/l #	67
38) Carbon Tetrachloride	7.789	117	28570	5.45	ug/l #	17
73) Isopropylbenzene	12.343	105	124387	6.83	ug/l #	64
74) N-amyl acetate	12.343	43	53810	14.63	ug/l #	13
76) 1,2,3-Trichloropropane	12.489	75	109010	46.46	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	24866	1.72	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.343	75	3999	3.51	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.130	105	32506	2.26	ug/l	99
86) p-Isopropyltoluene	13.373	119	40830	2.51	ug/l #	76
90) Hexachloroethane	13.977	117	14247	4.27	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.343	75	1432	3.28	ug/l #	1
95) Naphthalene	15.239	128	171448	23.67	ug/l	99

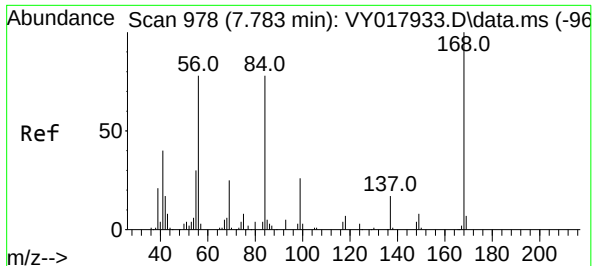
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:24:42 2024
Response via : Initial Calibration

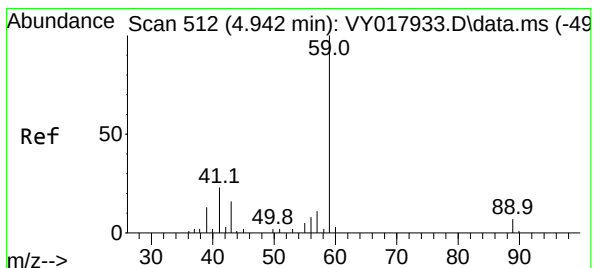
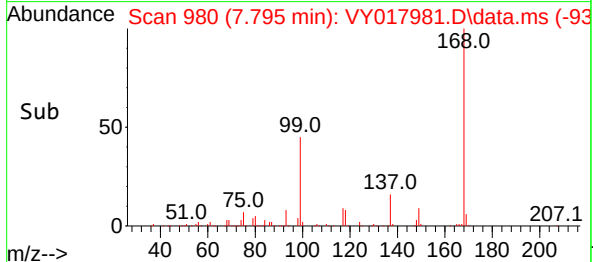
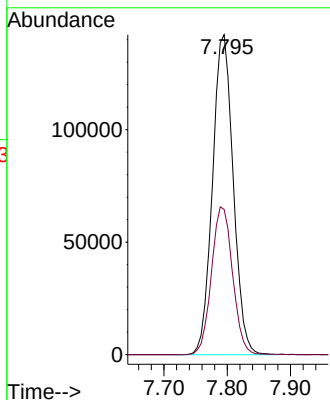
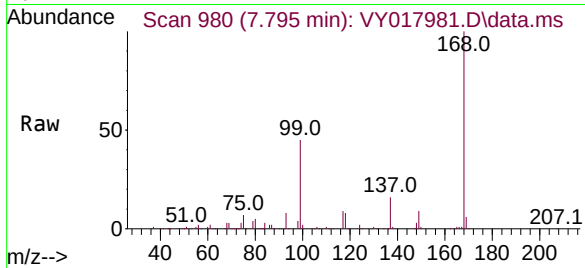




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

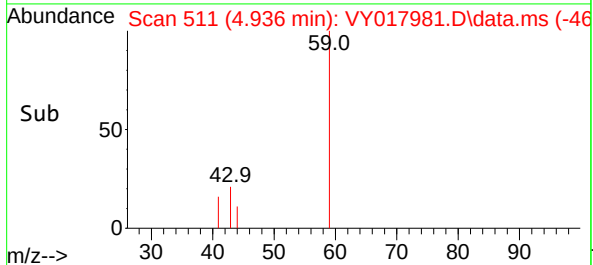
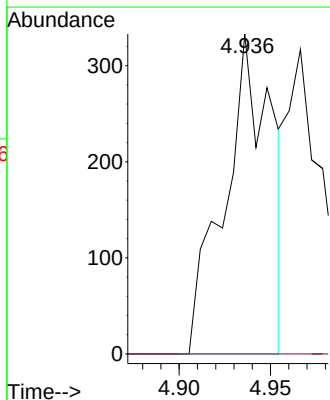
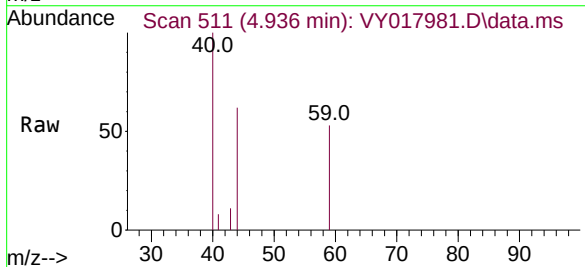
Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

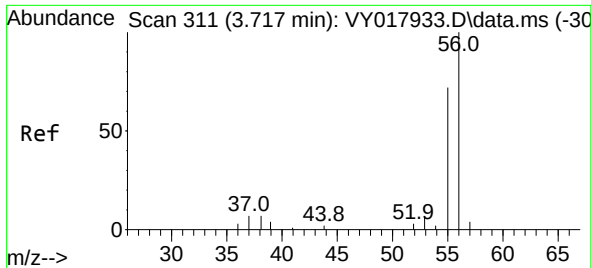
Tgt Ion:168 Resp: 323511
Ion Ratio Lower Upper
168 100
99 45.4 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion: 59 Resp: 595
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#13

Acrolein

Concen: 1.63 ug/l

RT: 3.729 min Scan# 311

Delta R.T. 0.000 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

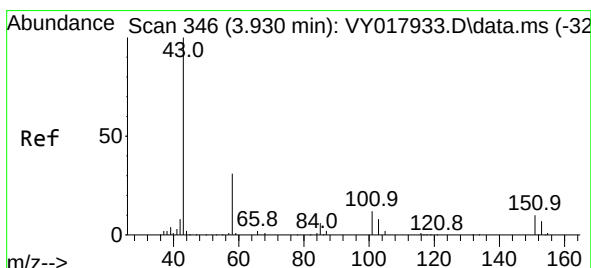
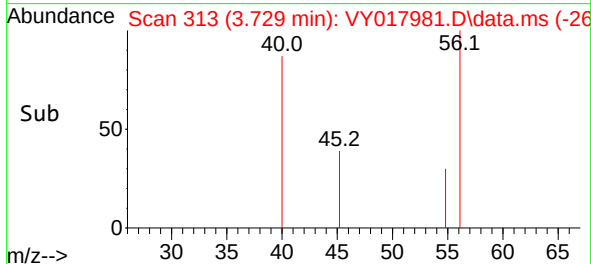
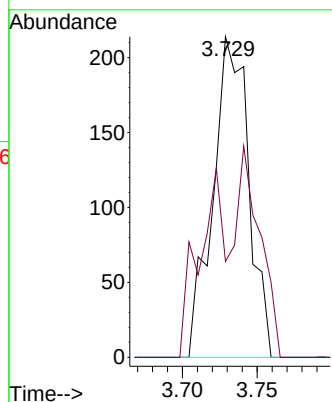
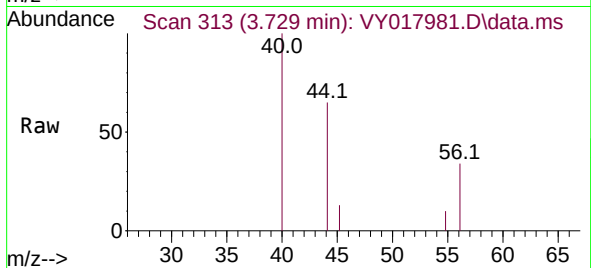
B-131-SB01

Tgt Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 41.6 55.7 83.5#



#16

Acetone

Concen: 30.86 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017981.D

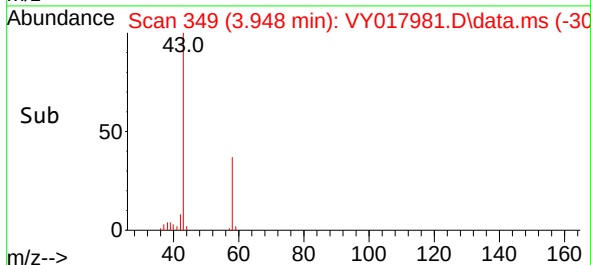
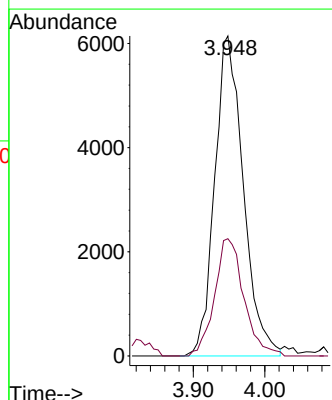
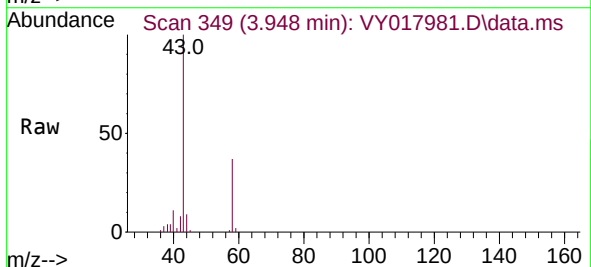
Acq: 18 Apr 2024 17:14

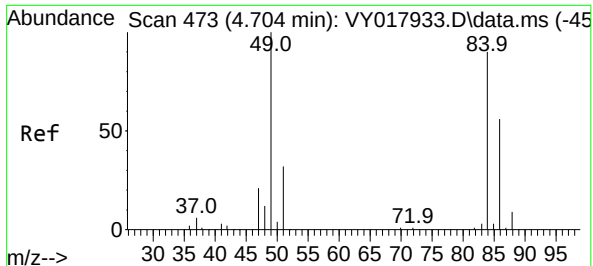
Tgt Ion: 43 Resp: 17071

Ion Ratio Lower Upper

43 100

58 36.7 31.7 47.5

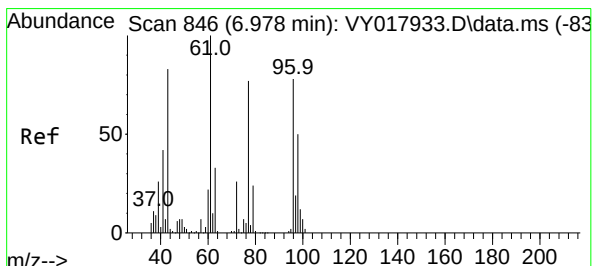
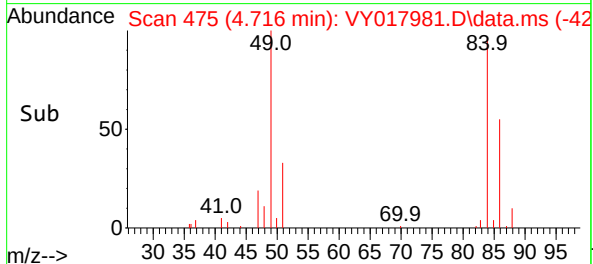
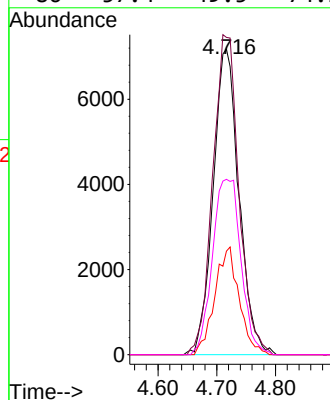
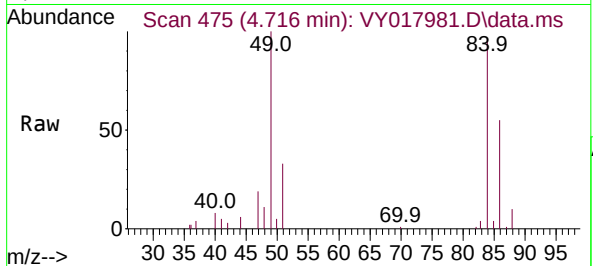




#20
Methylene Chloride
Concen: 5.85 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

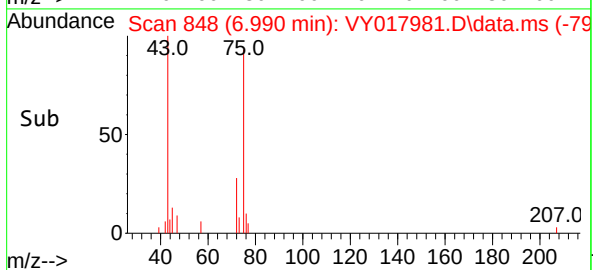
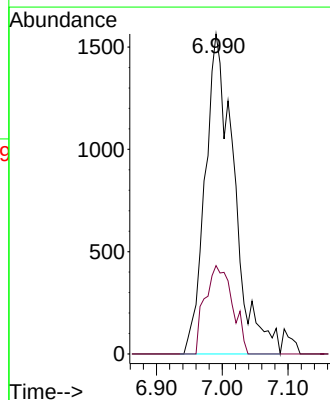
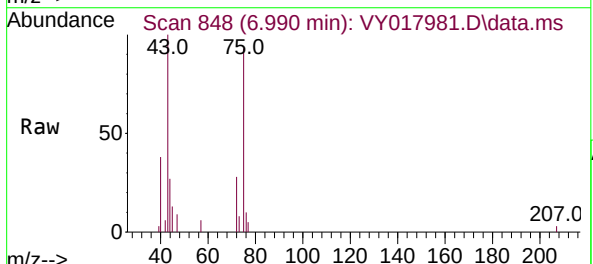
Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

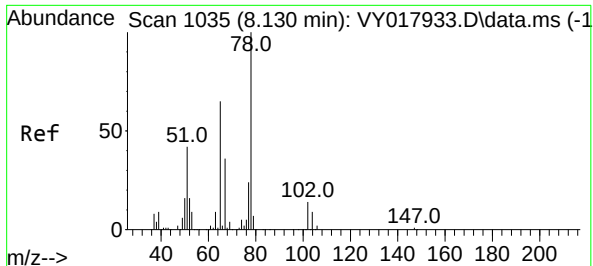
Tgt Ion:	84	Resp:	21939
Ion	Ratio	Lower	Upper
84	100		
49	103.8	84.4	126.6
51	33.9	26.0	39.0
86	57.4	49.5	74.3



#25
2-Butanone
Concen: 5.90 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion:	43	Resp:	4797
Ion	Ratio	Lower	Upper
43	100		
72	27.6	27.3	40.9





#33

1,2-Dichloroethane-d4

Concen: 55.69 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

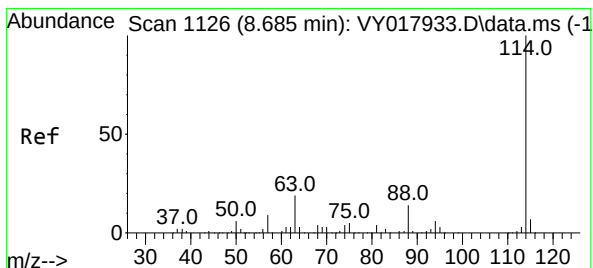
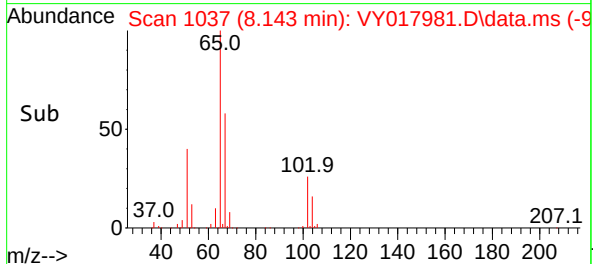
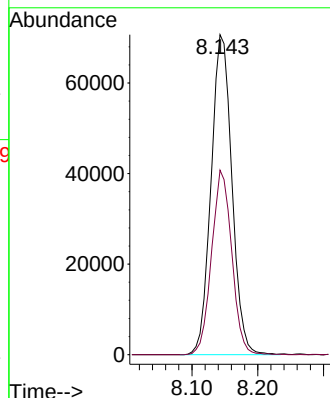
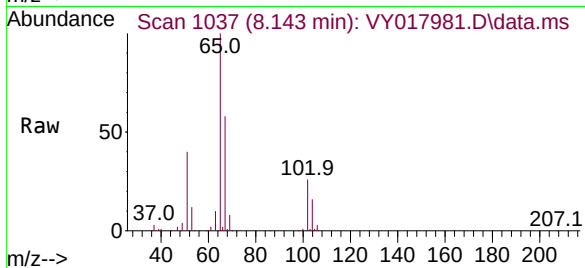
B-131-SB01

Tgt Ion: 65 Resp: 155903

Ion Ratio Lower Upper

65 100

67 55.8 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: VY017981.D

Acq: 18 Apr 2024 17:14

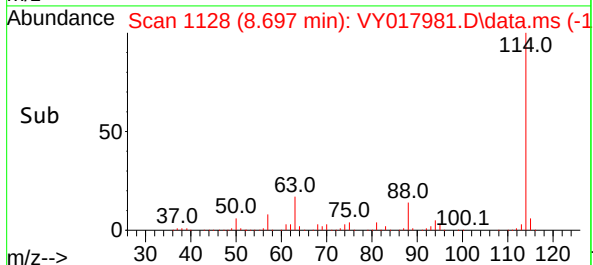
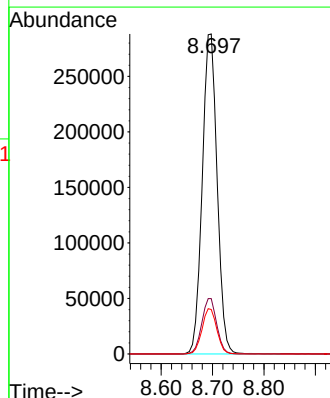
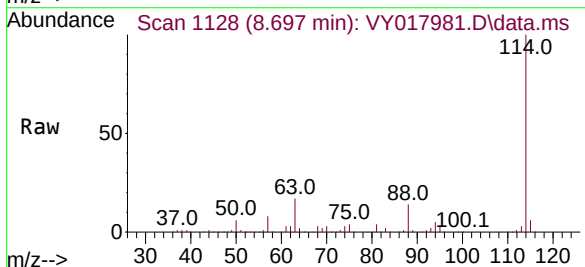
Tgt Ion: 114 Resp: 578453

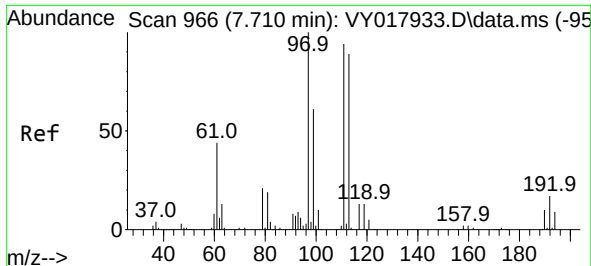
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.76 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

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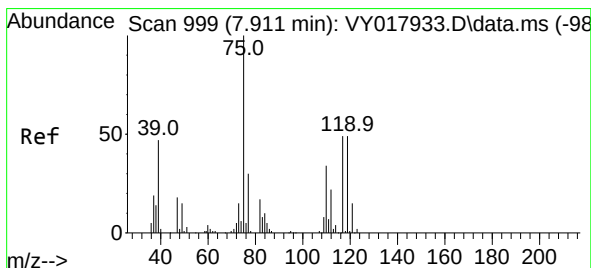
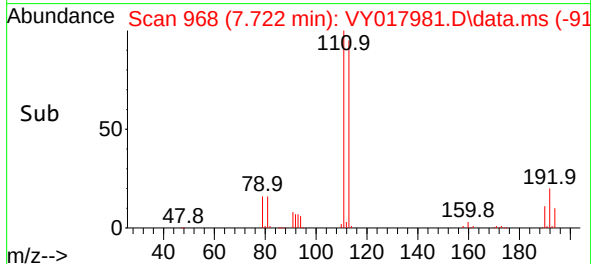
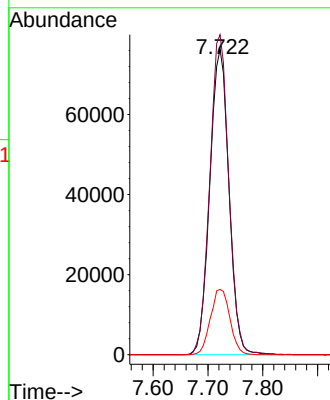
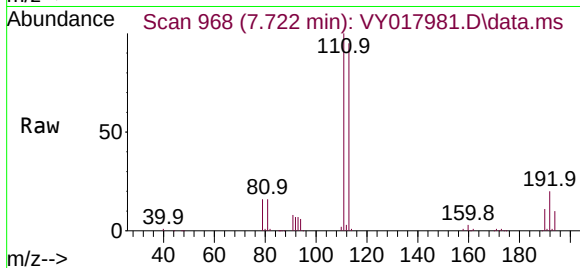
Tgt Ion:113 Resp: 184728

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 21.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.20 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

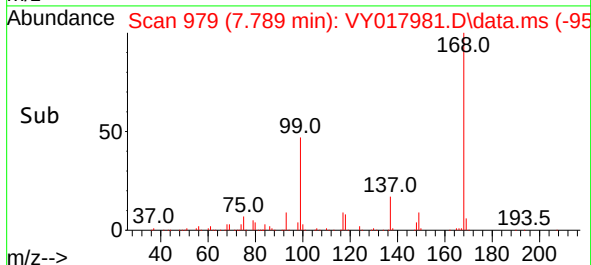
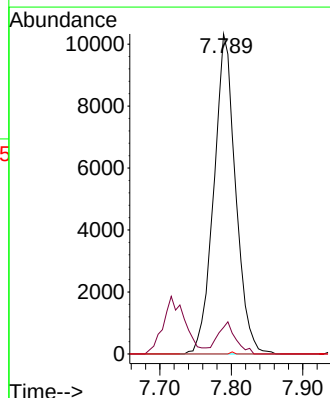
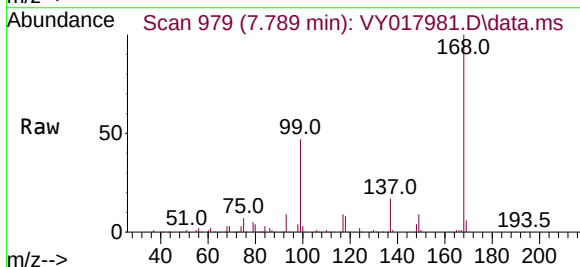
Tgt Ion: 75 Resp: 21808

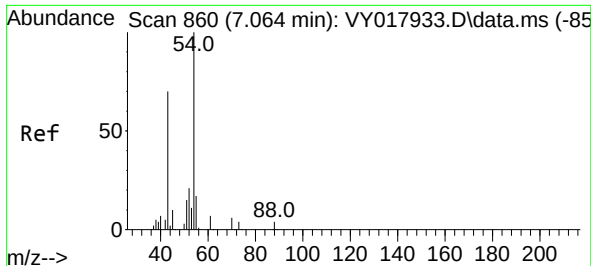
Ion Ratio Lower Upper

75 100

110 8.3 19.0 57.0#

77 0.1 25.3 37.9#

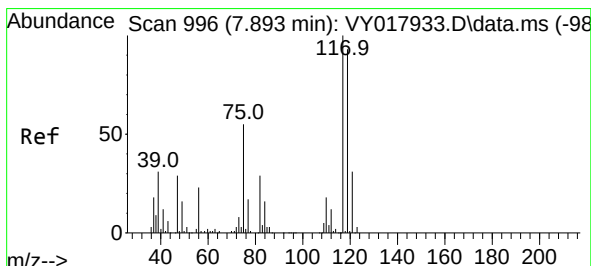
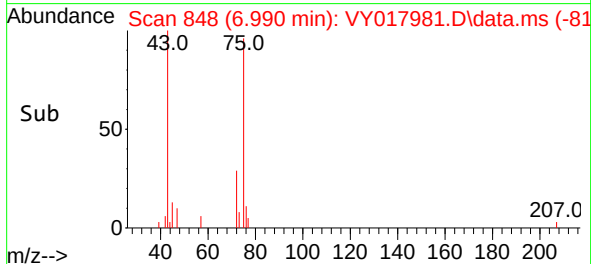
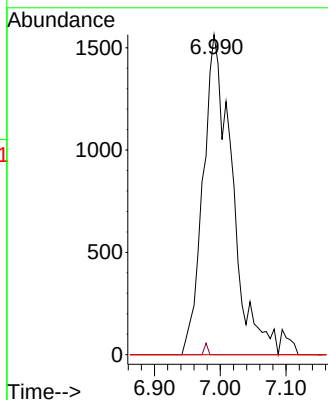
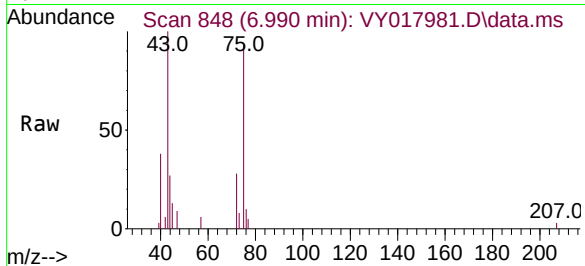




#37
Ethyl Acetate
Concen: 2.25 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

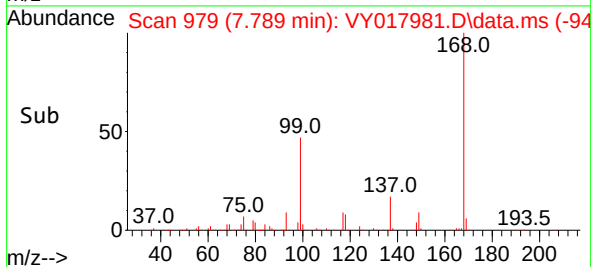
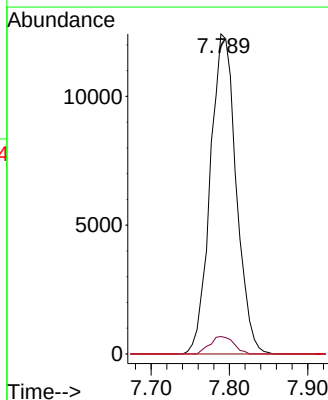
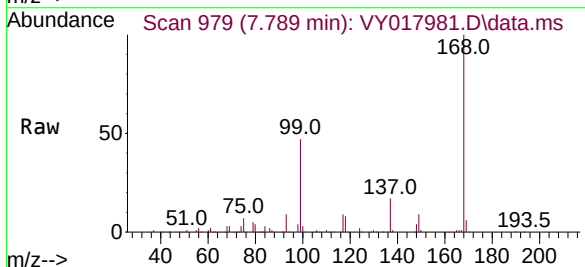
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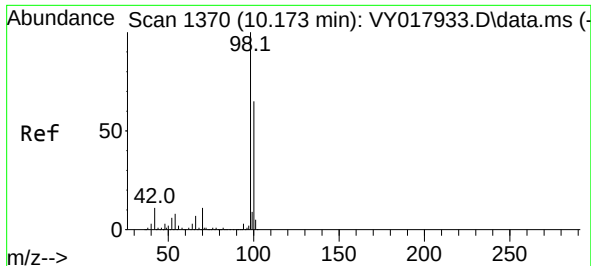
Tgt Ion: 43 Resp: 4797
Ion Ratio Lower Upper
43 100
61 0.4 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.45 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion: 117 Resp: 28570
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#

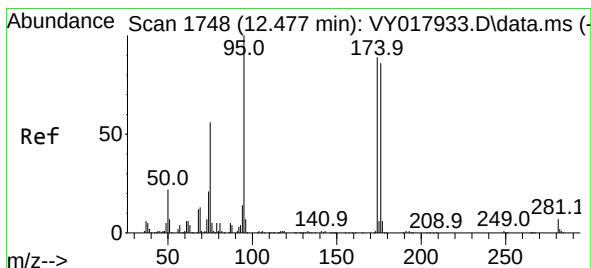
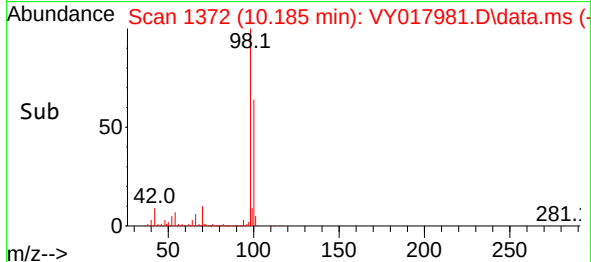
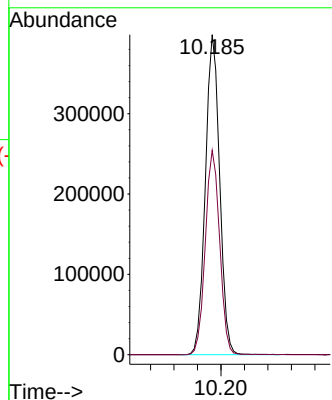
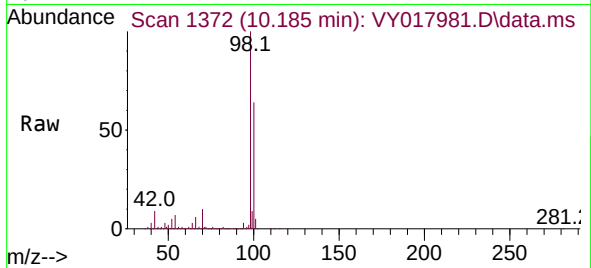




#50
Toluene-d8
Concen: 49.68 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

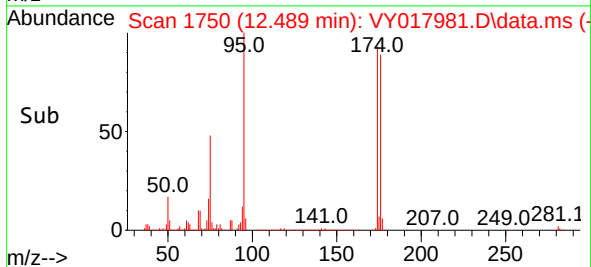
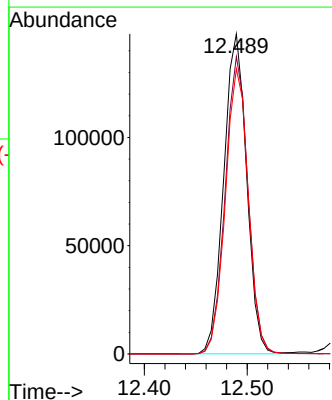
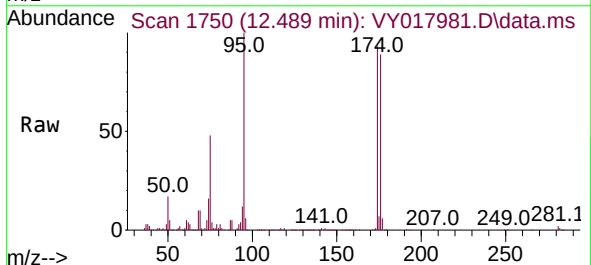
Instrument :
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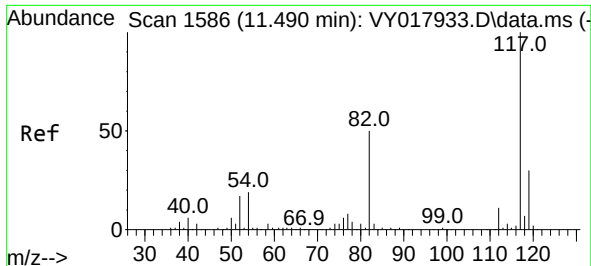
Tgt Ion: 98 Resp: 672758
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.56 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion: 95 Resp: 228795
Ion Ratio Lower Upper
95 100
174 92.8 0.0 175.6
176 89.6 0.0 171.4

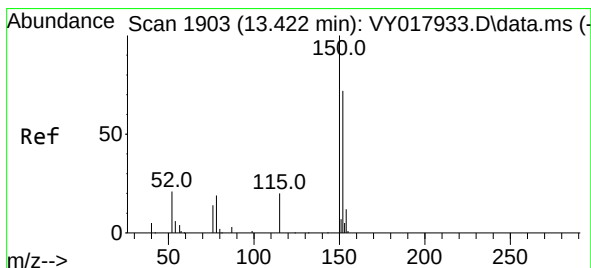
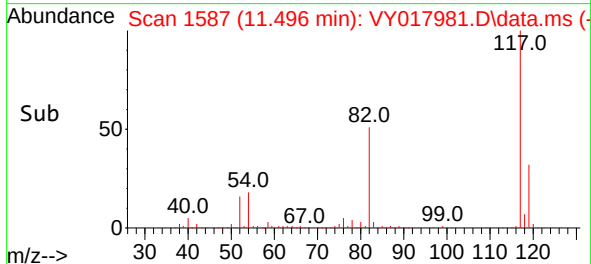
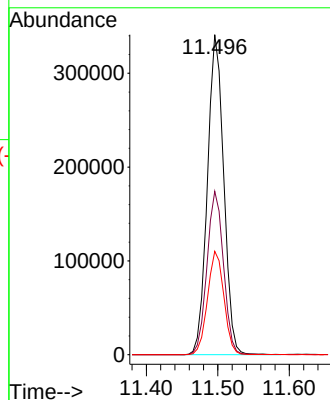
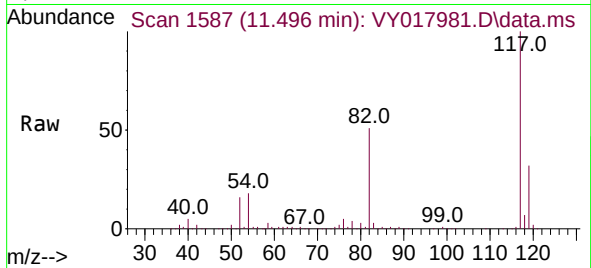




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

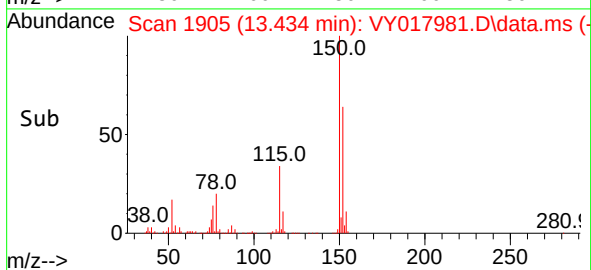
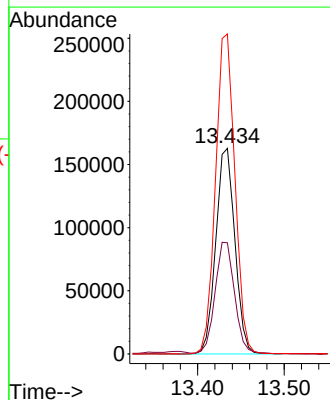
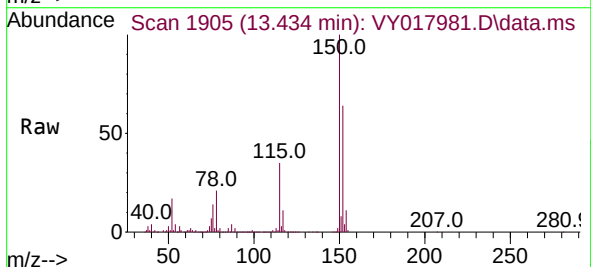
Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

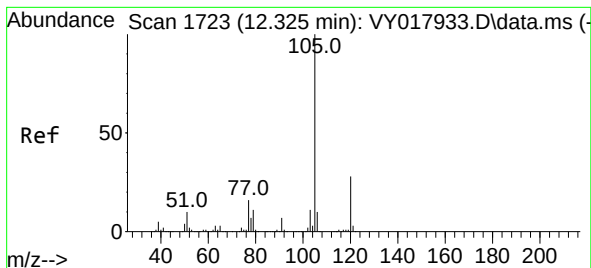
Tgt Ion:117 Resp: 541197
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion:152 Resp: 250064
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 157.4 0.0 345.6





#73

Isopropylbenzene

Concen: 6.83 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.012 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

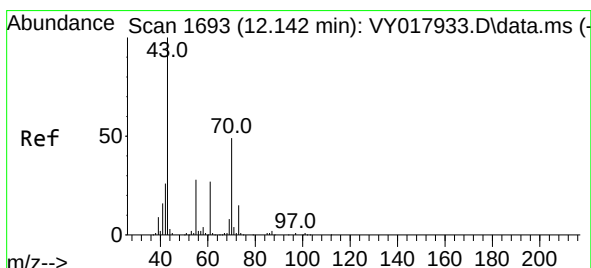
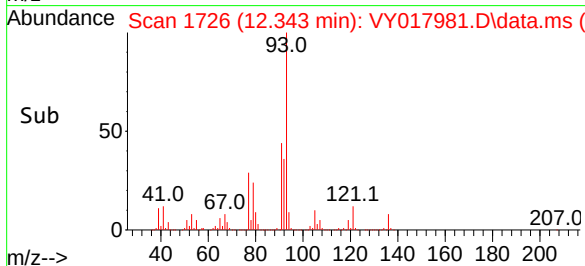
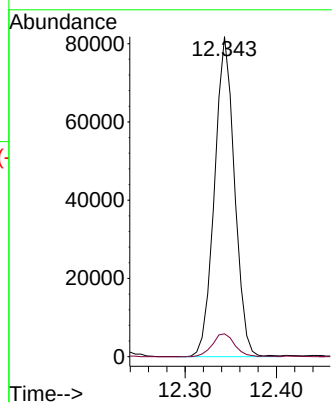
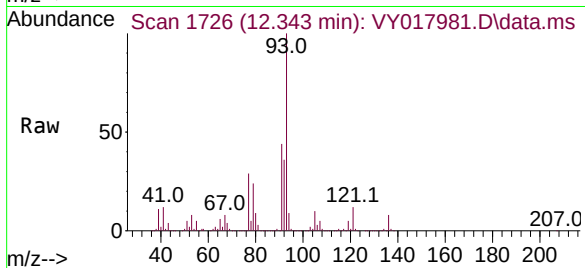
B-131-SB01

Tgt Ion:105 Resp: 124387

Ion Ratio Lower Upper

105 100

120 8.1 13.4 40.1#



#74

N-ethyl acetate

Concen: 14.63 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.201 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Tgt Ion: 43 Resp: 53810

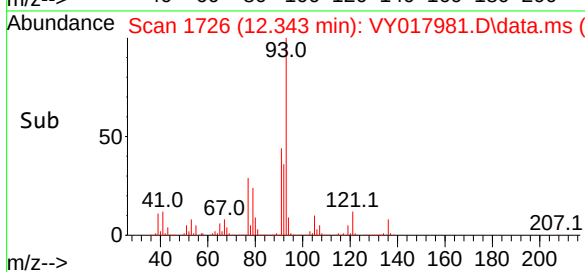
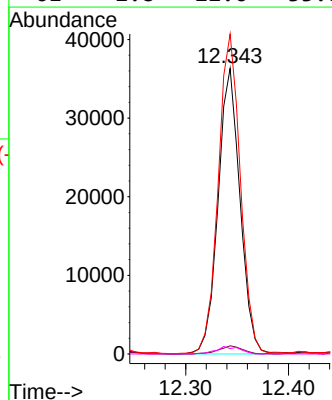
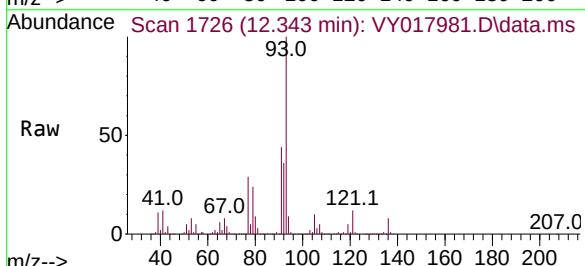
Ion Ratio Lower Upper

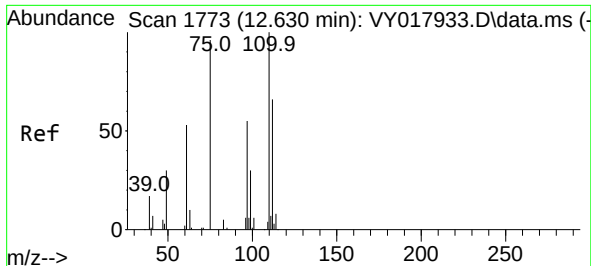
43 100

70 3.1 41.4 62.2#

55 113.4 23.3 34.9#

61 2.8 22.6 33.8#

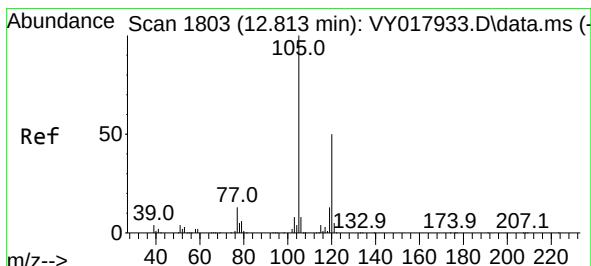
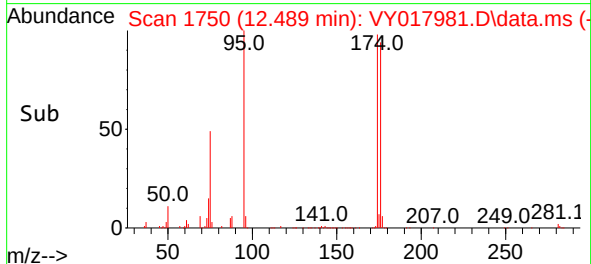
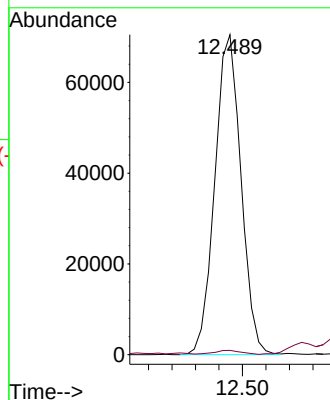
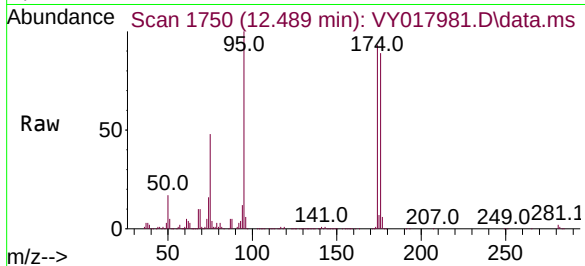




#76
1,2,3-Trichloropropane
Concen: 46.46 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

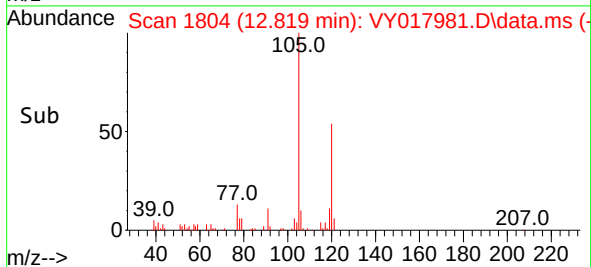
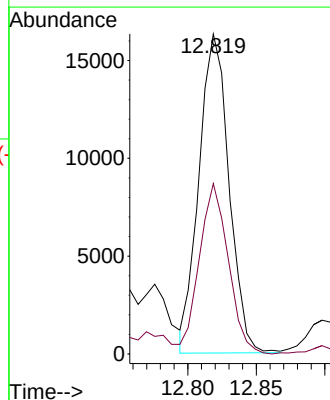
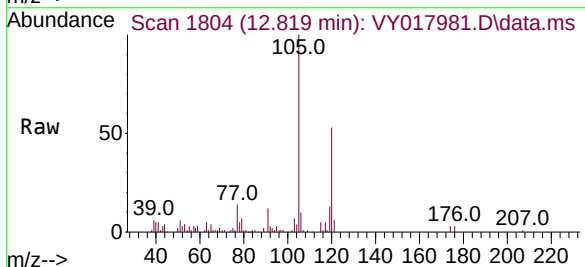
Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

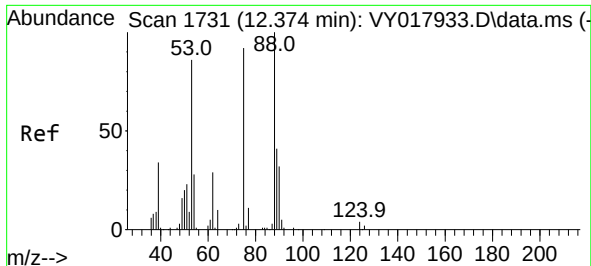
Tgt Ion: 75 Resp: 109010
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.72 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion: 105 Resp: 24866
Ion Ratio Lower Upper
105 100
120 52.0 25.1 75.2

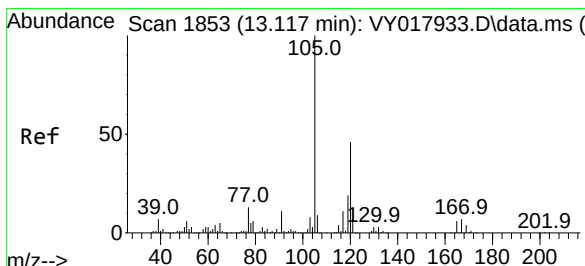
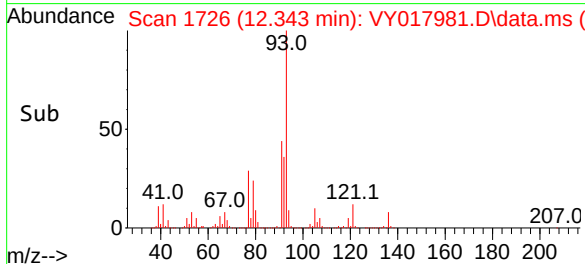
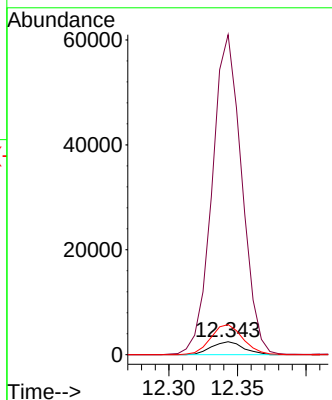
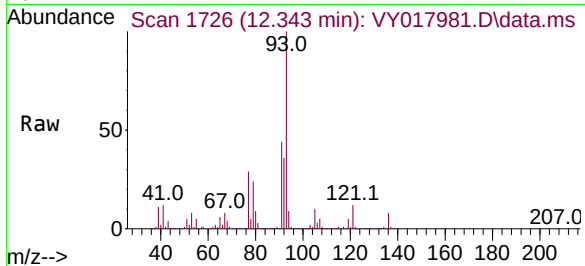




#81
trans-1,4-Dichloro-2-butene
Concen: 3.51 ug/l
RT: 12.343 min Scan# 1731
Delta R.T. -0.036 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

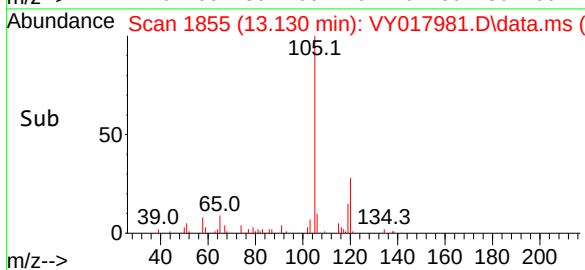
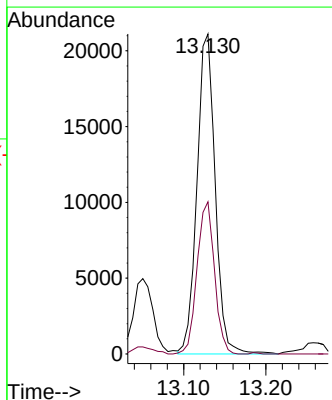
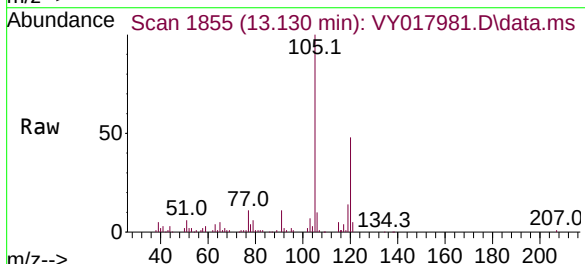
Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

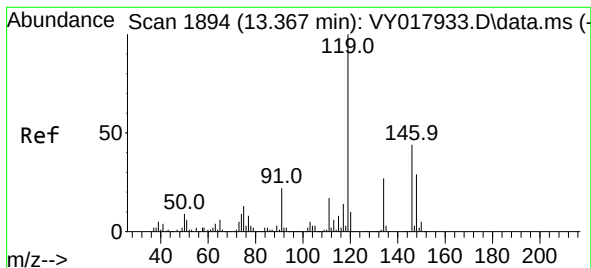
Tgt Ion: 75 Resp: 3999
Ion Ratio Lower Upper
75 100
53 2295.0 66.8 100.2#
89 235.1 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.26 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion: 105 Resp: 32506
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.6





#86

p-Isopropyltoluene

Concen: 2.51 ug/l

RT: 13.373 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VY017981.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

B-131-SB01

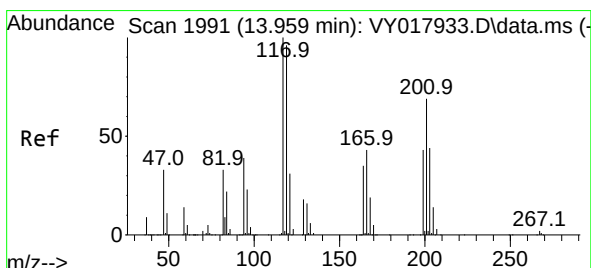
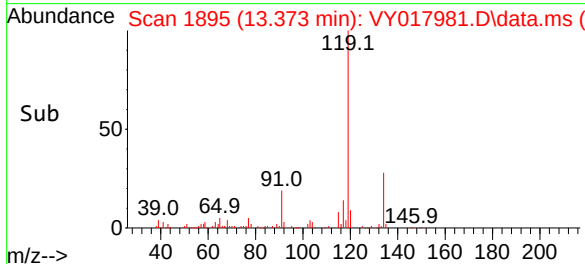
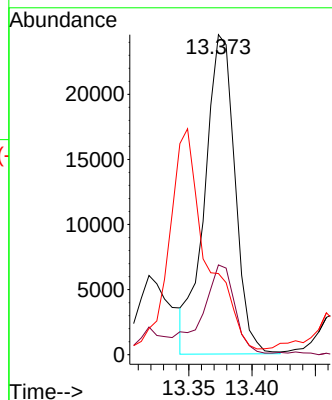
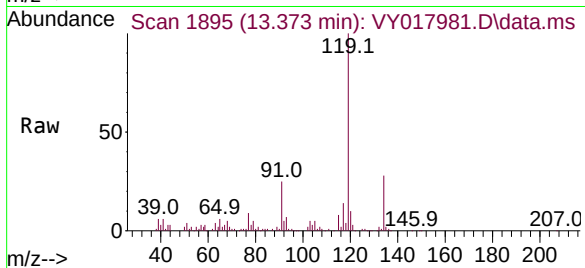
Tgt Ion:119 Resp: 40830

Ion Ratio Lower Upper

119 100

134 29.3 13.1 39.3

91 0.0 10.7 32.1#



#90

Hexachloroethane

Concen: 4.27 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.019 min

Lab File: VY017981.D

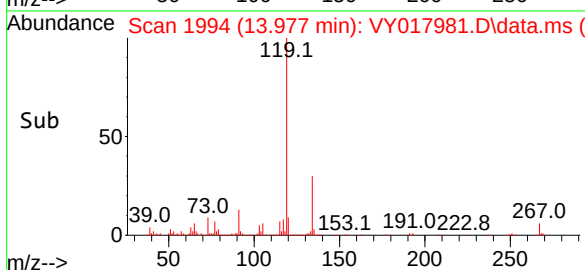
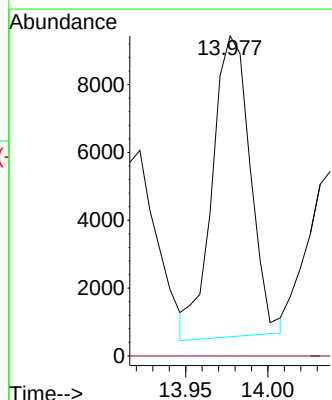
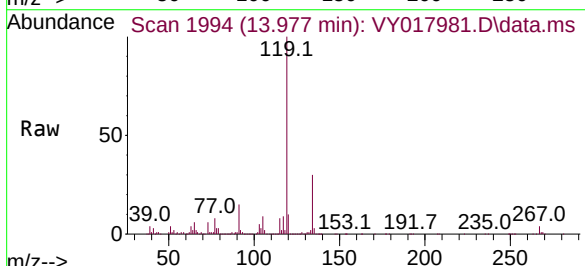
Acq: 18 Apr 2024 17:14

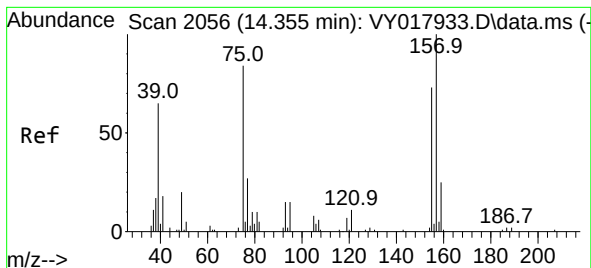
Tgt Ion:117 Resp: 14247

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#

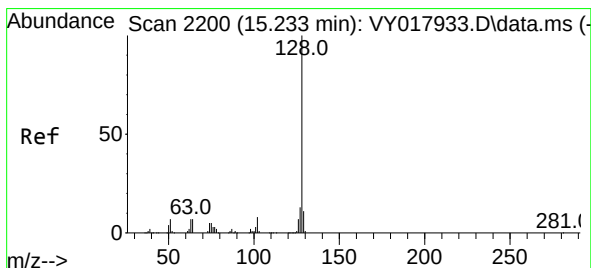
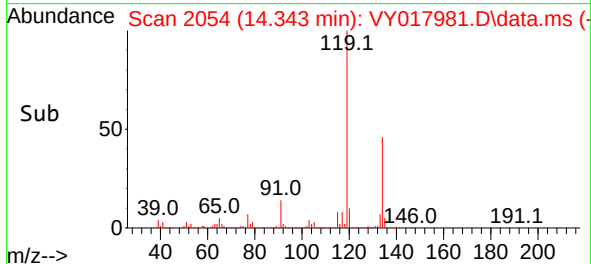
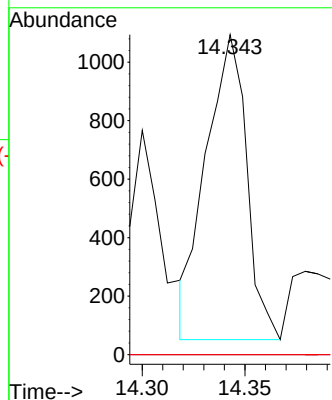
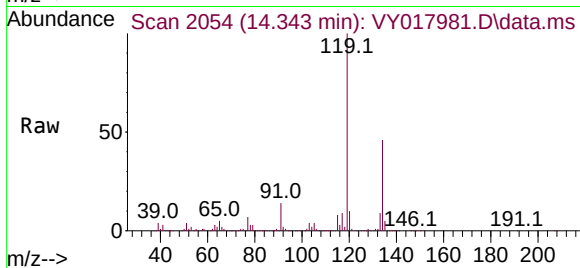




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.28 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.012 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Instrument :
MSVOA_Y
ClientSampleId :
B-131-SB01

Tgt Ion: 75 Resp: 1432
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 23.67 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY017981.D
Acq: 18 Apr 2024 17:14

Tgt Ion:128 Resp: 171448
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.6 8.6 13.0

