

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011244.D
 Acq On : 02 Nov 2022 01:08
 Operator : KP/MD
 Sample : N5336-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-16.5-17.0

Quant Time: Nov 02 03:07:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

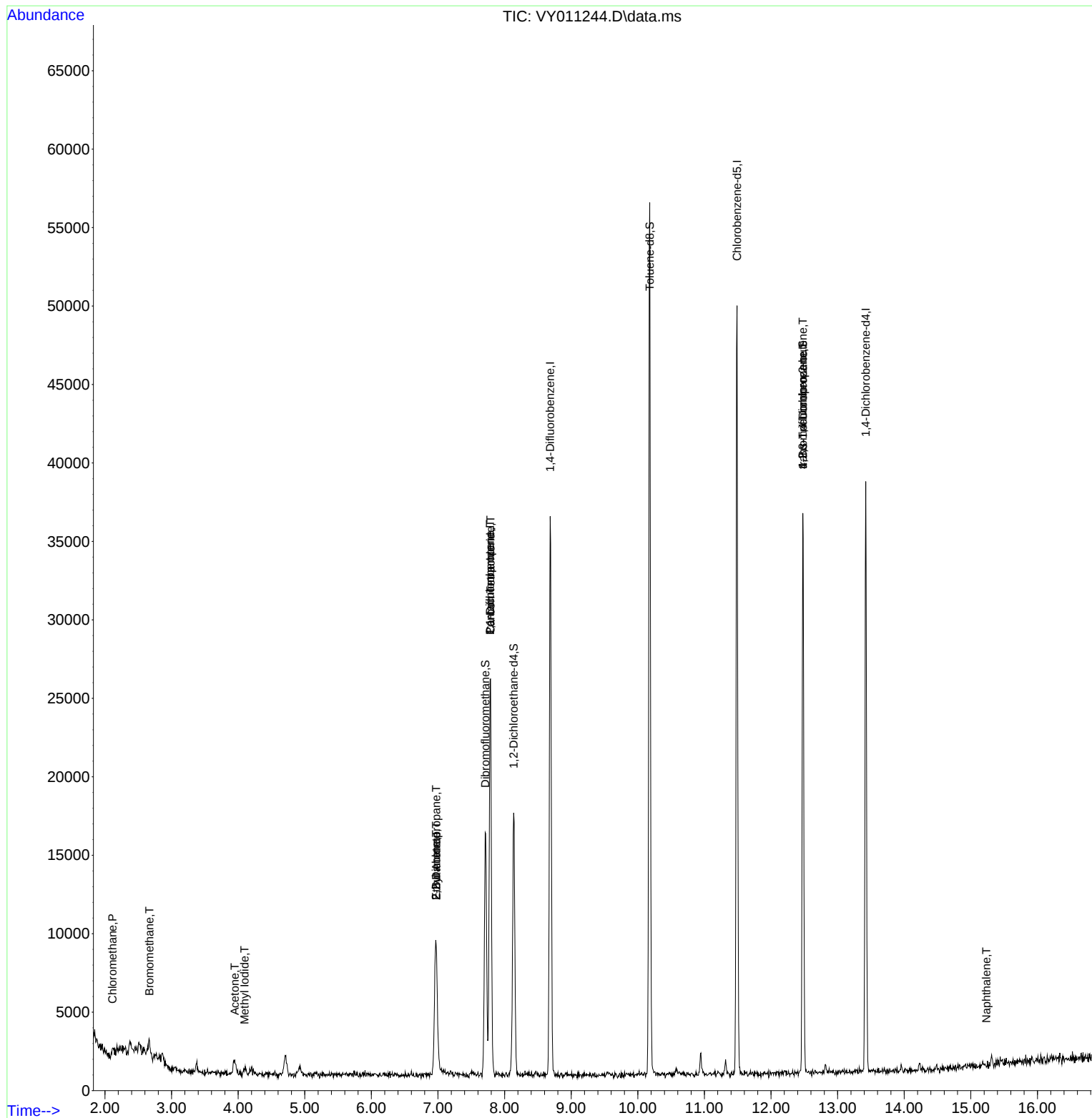
Internal Standards						
1) Pentafluorobenzene	7.783	168	20655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	28297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12930	58.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.060%			
35) Dibromofluoromethane	7.710	113	11626	56.565	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.120%			
50) Toluene-d8	10.179	98	39404	49.378	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.477	95	11155	40.265	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.540%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	262	1.144	ug/l #	72
5) Bromomethane	2.668	94	413	2.420	ug/l #	54
10) Methyl Iodide	4.094	142	713	2.437	ug/l #	87
11) Tert butyl alcohol	4.911	59	269	Below Cal	#	77
16) Acetone	3.948	43	1772	26.573	ug/l #	75
20) Methylene Chloride	4.716	84	967	Below Cal	#	77
25) 2-Butanone	6.972	43	632	6.736	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	622	1.539	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	1515	4.514	ug/l #	42
37) Ethyl Acetate	6.972	43	632	3.493	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2056	5.904	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	5474	42.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5474	91.230	ug/l #	7
95) Naphthalene	15.233	128	73	4.112	ug/l #	69

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

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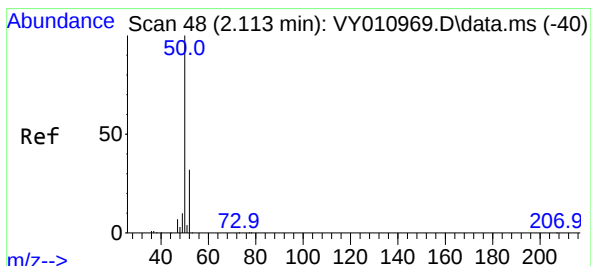
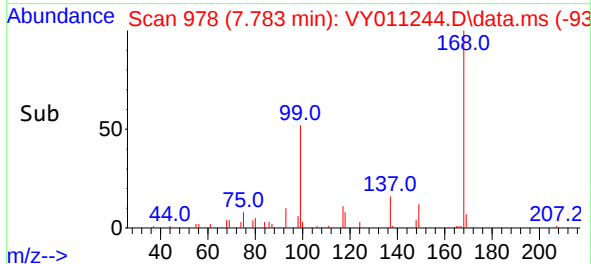
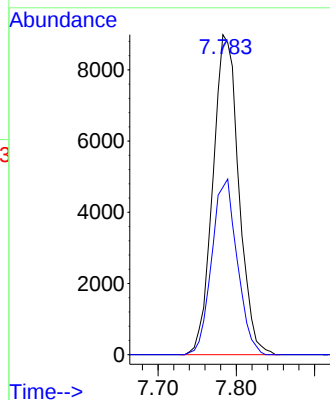
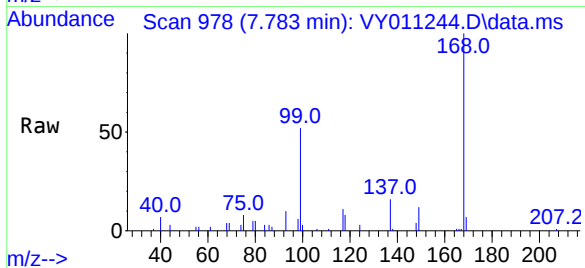




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

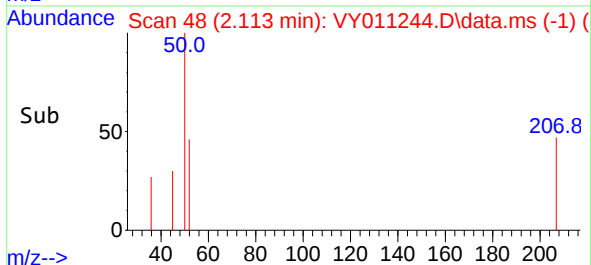
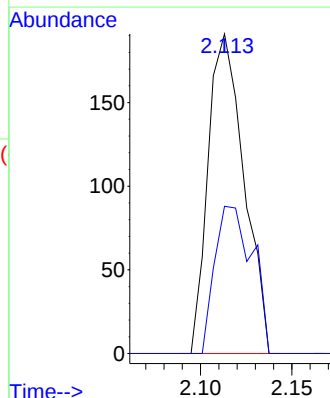
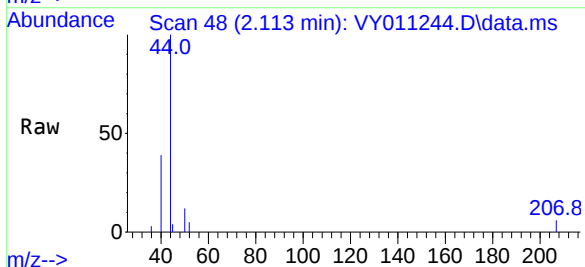
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

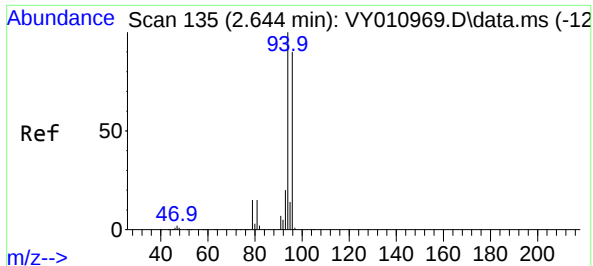
Tgt Ion:168 Resp: 20655
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#3
Chloromethane
Concen: 1.144 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 50 Resp: 262
Ion Ratio Lower Upper
50 100
52 46.1 24.6 37.0#

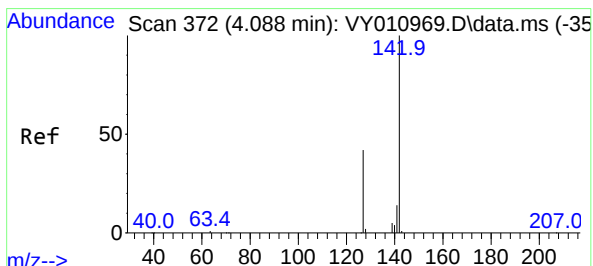
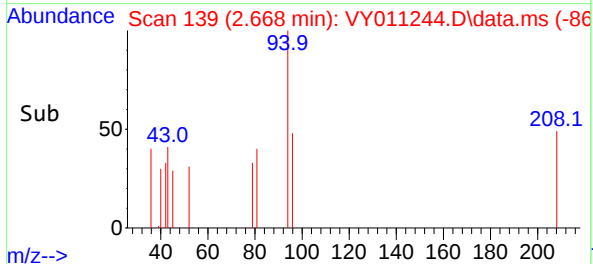
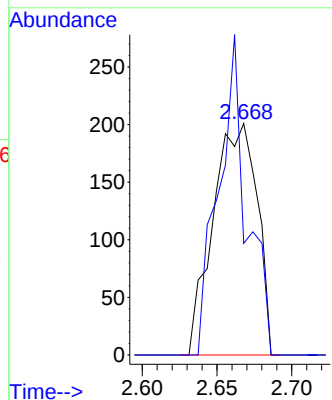
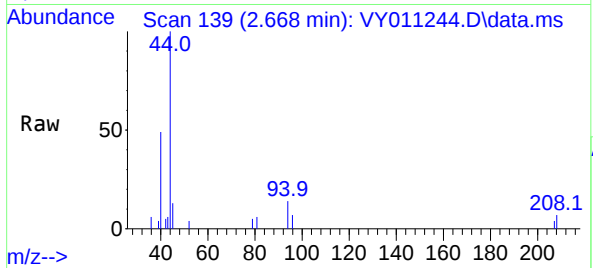




#5
Bromomethane
Concen: 2.420 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

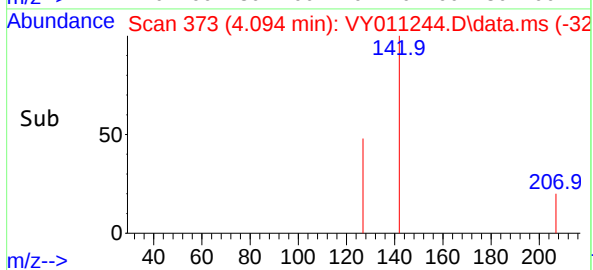
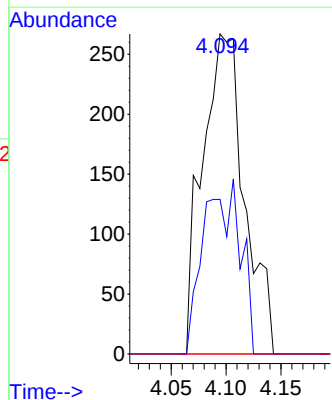
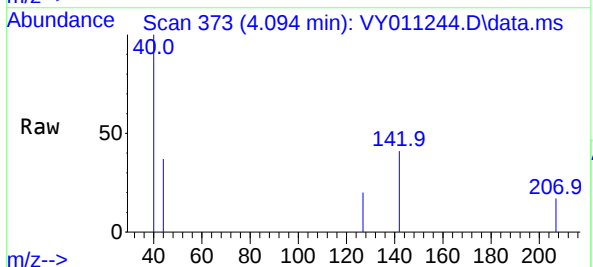
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

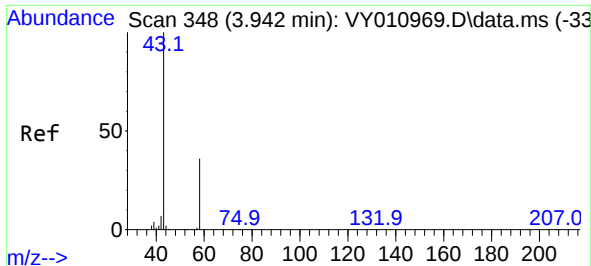
Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 48.3 73.5 110.3#



#10
Methyl Iodide
Concen: 2.437 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 142 Resp: 713
Ion Ratio Lower Upper
142 100
127 47.3 41.5 62.3
141 0.0 11.9 17.9#

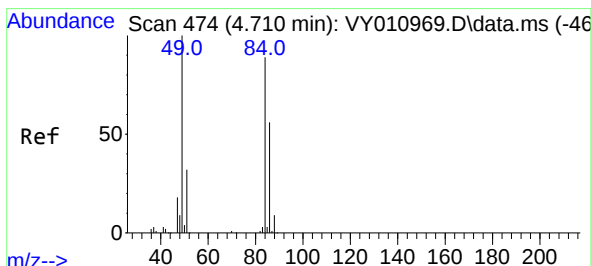
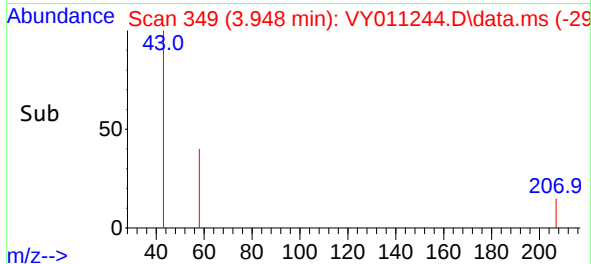
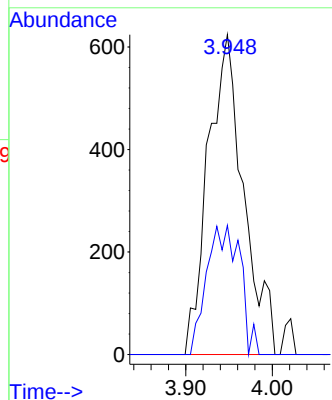
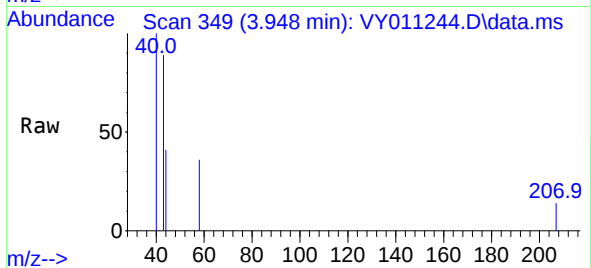




#16
Acetone
Concen: 26.573 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

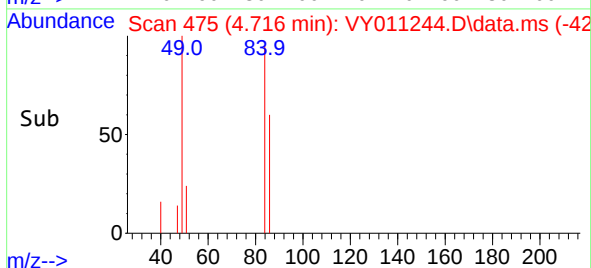
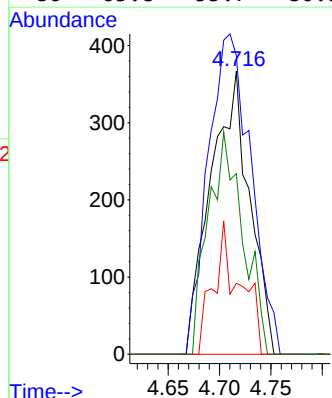
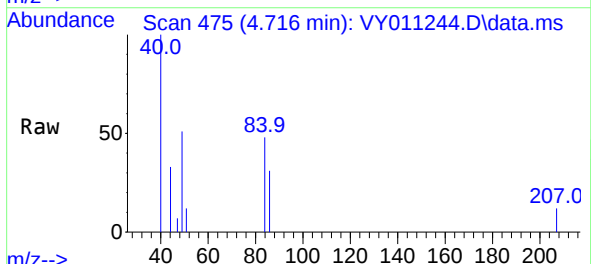
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

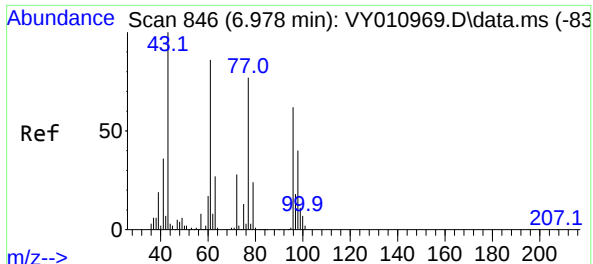
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
58 40.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 84 Resp: 967
Ion Ratio Lower Upper
84 100
49 105.4 114.4 171.6#
51 25.1 35.3 52.9#
86 63.8 53.7 80.5

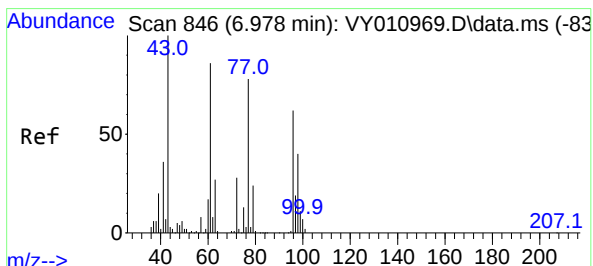
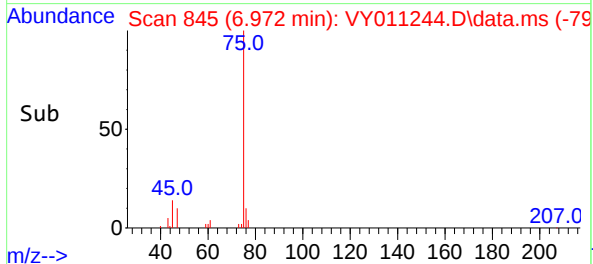
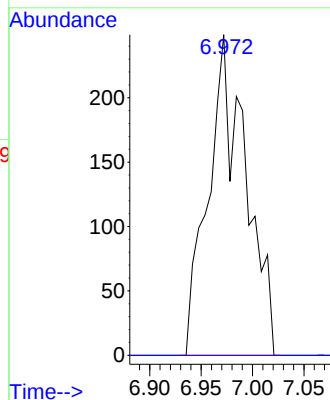
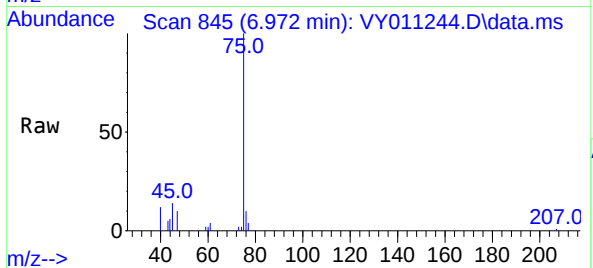




#25
2-Butanone
Concen: 6.736 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

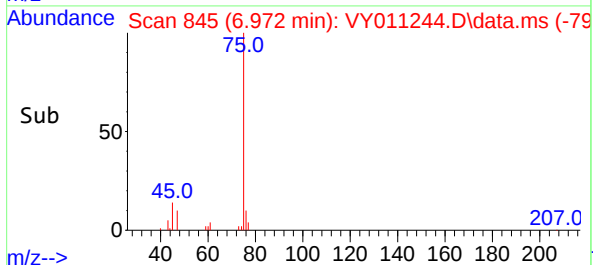
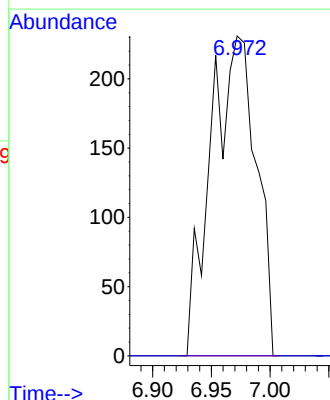
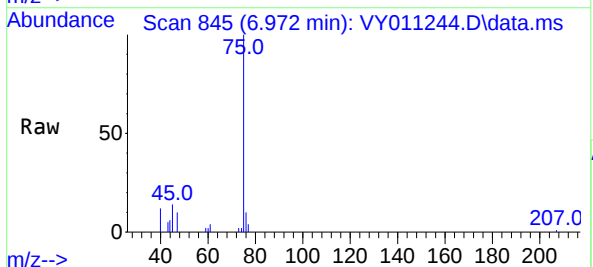
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

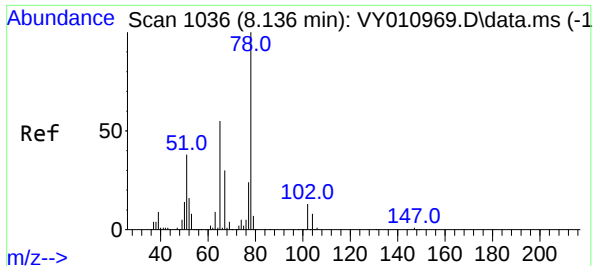
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.539 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 77 Resp: 622
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 58.532 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011244.D

Acq: 02 Nov 2022 01:08

Instrument :

MSVOA_Y

ClientSampleId :

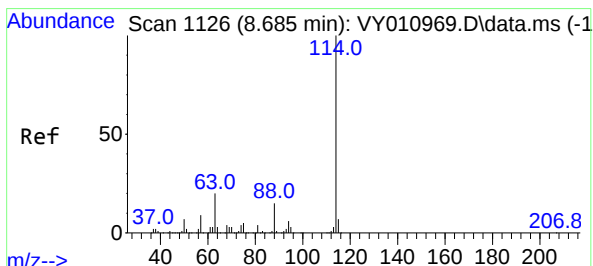
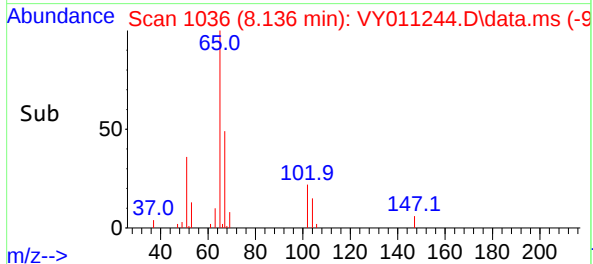
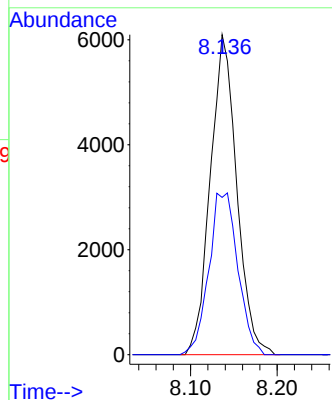
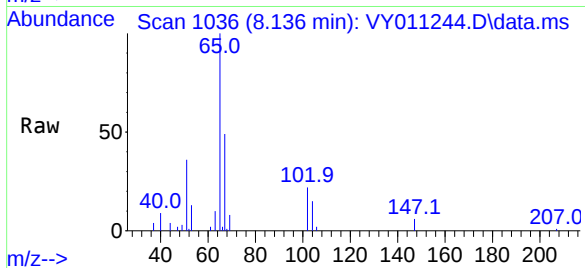
SB-02-16.5-17.0

Tgt Ion: 65 Resp: 12930

Ion Ratio Lower Upper

65 100

67 55.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011244.D

Acq: 02 Nov 2022 01:08

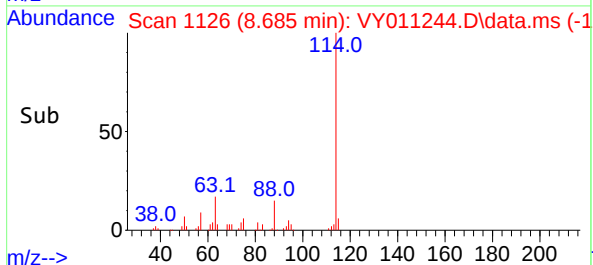
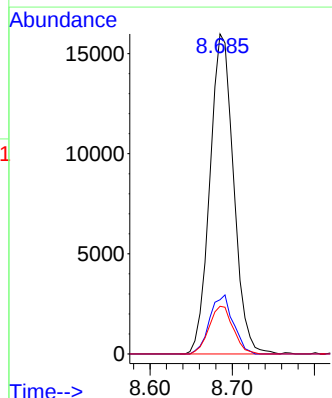
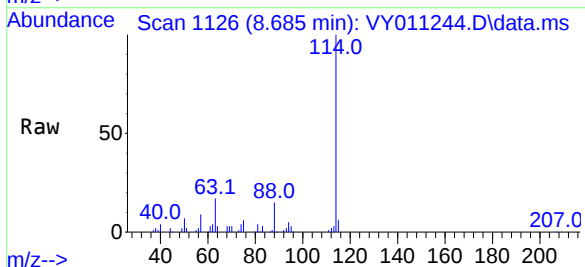
Tgt Ion: 114 Resp: 31990

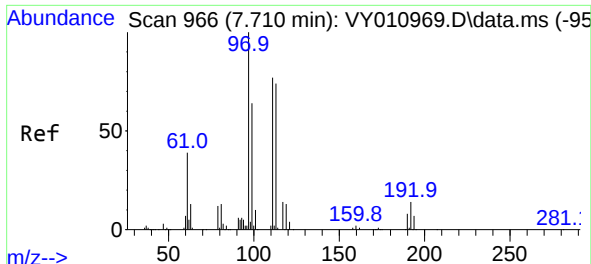
Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 14.9 0.0 31.8

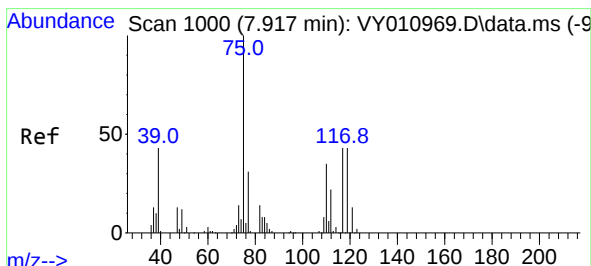
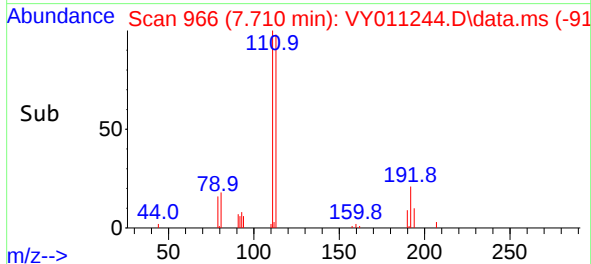
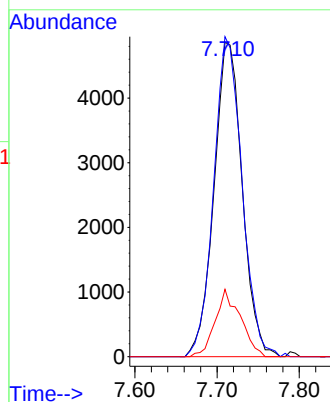
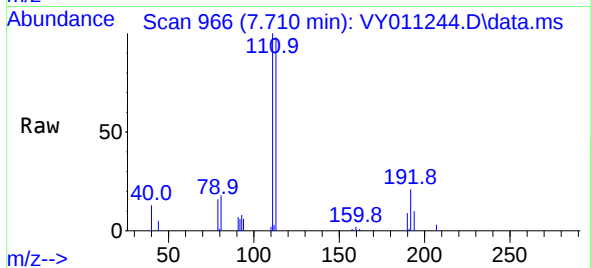




#35
Dibromofluoromethane
Concen: 56.565 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

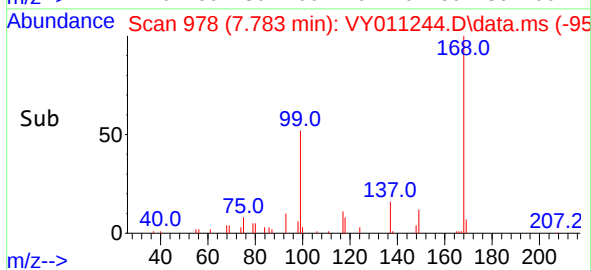
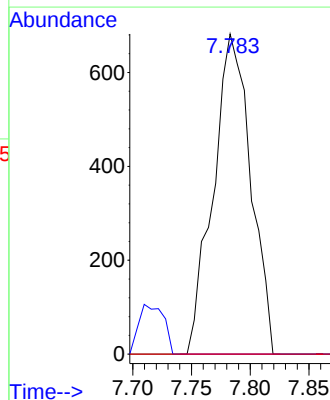
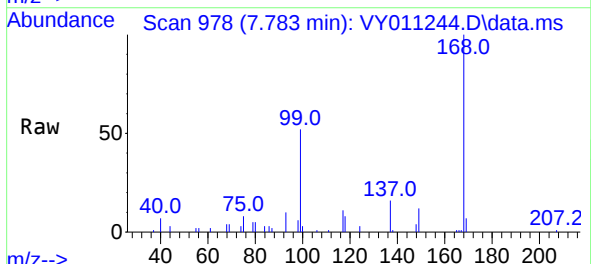
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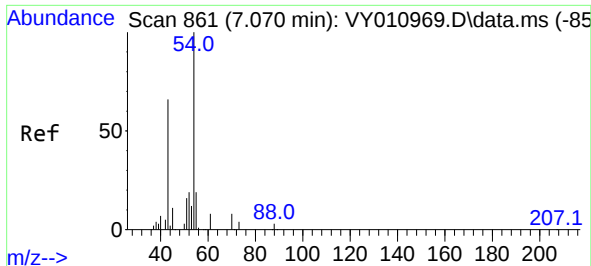
Tgt Ion:113 Resp: 11626
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 75 Resp: 1515
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#

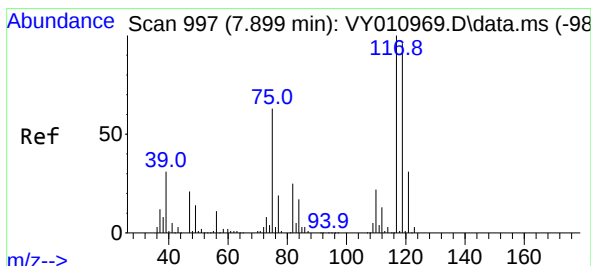
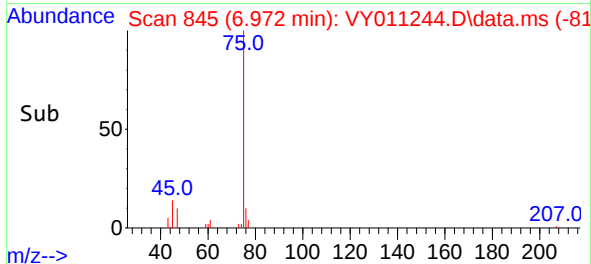
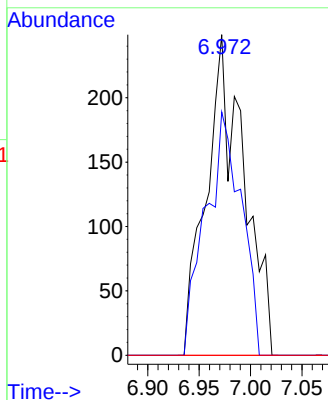
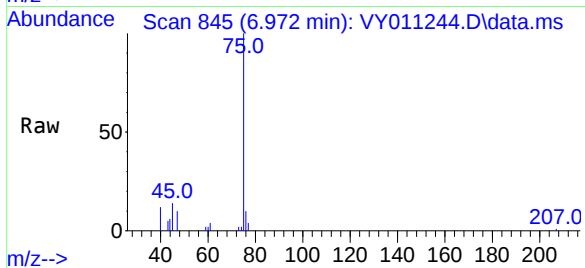




#37
Ethyl Acetate
Concen: 3.493 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

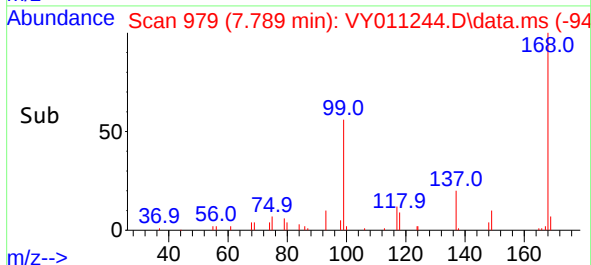
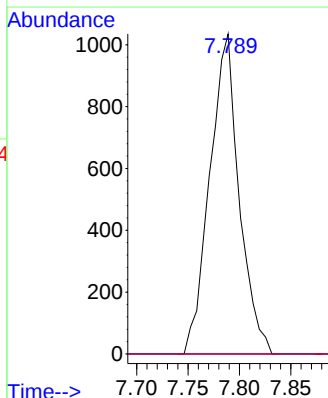
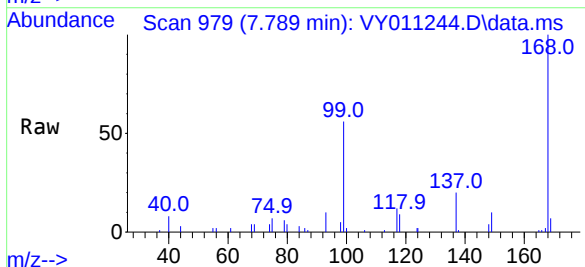
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

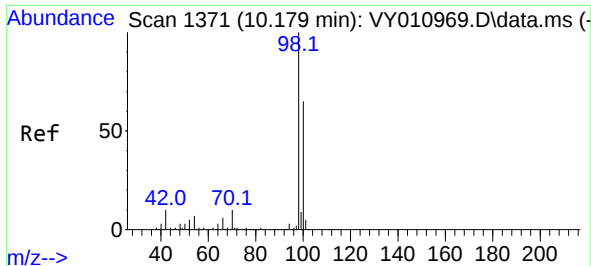
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
61 72.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 117 Resp: 2056
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

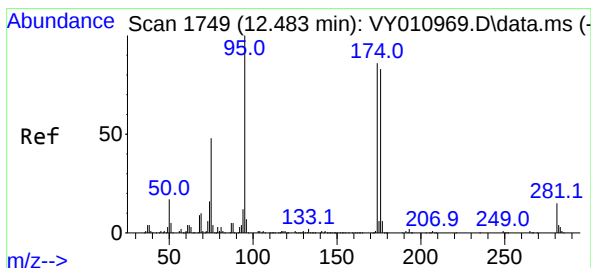
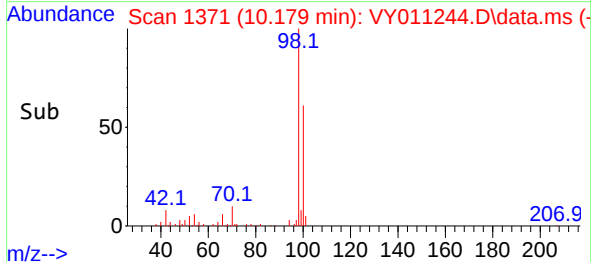
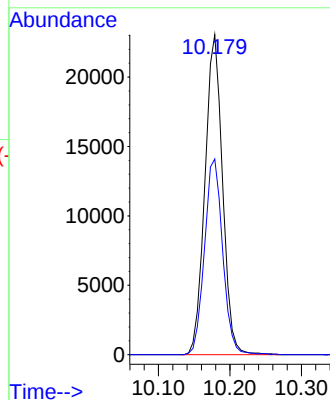
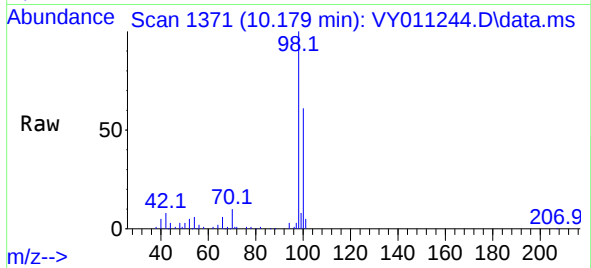




#50
Toluene-d8
Concen: 49.378 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

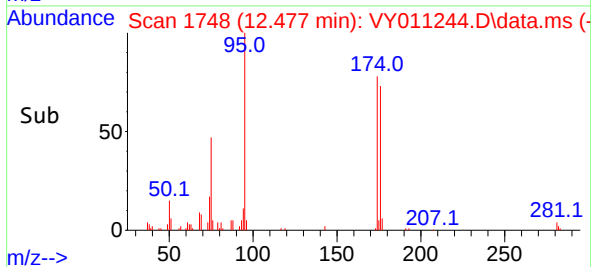
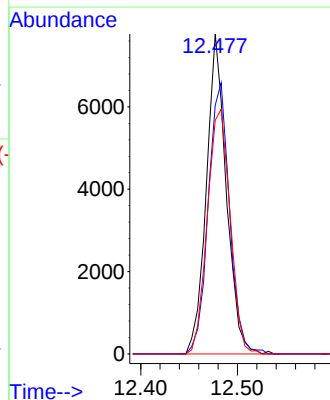
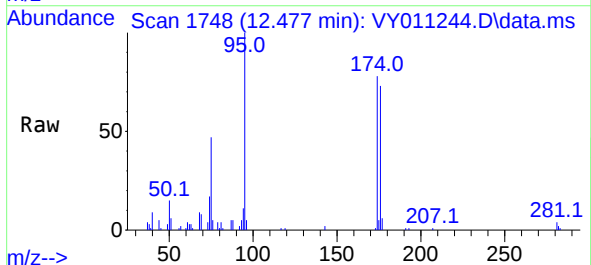
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

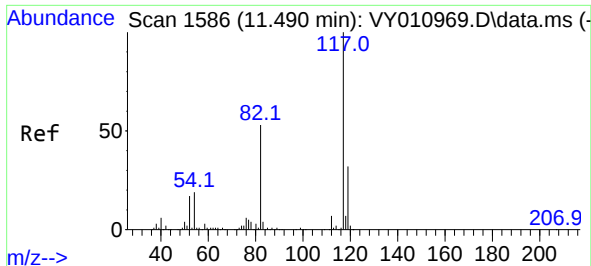
Tgt Ion: 98 Resp: 39404
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.265 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 95 Resp: 11155
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.0
176 87.2 0.0 175.8

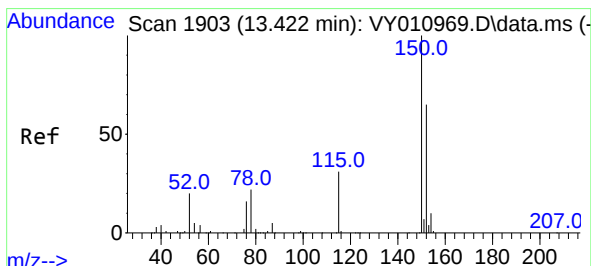
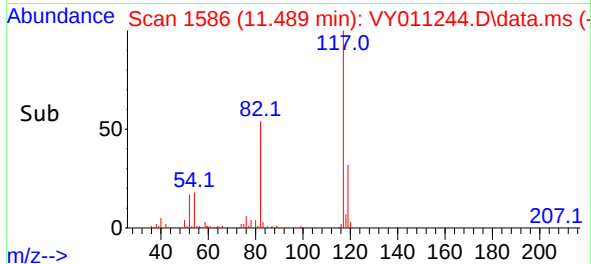
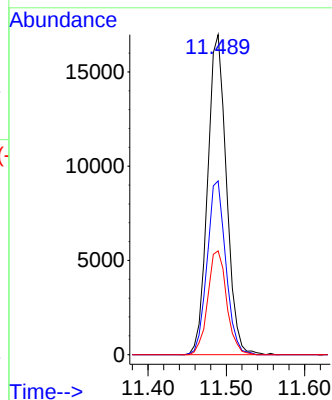
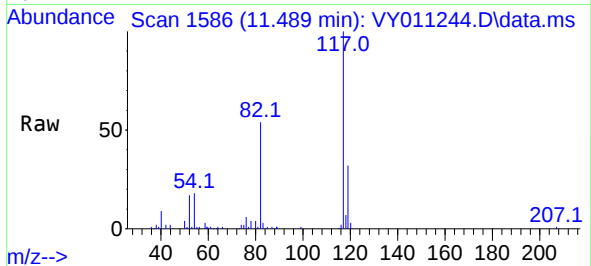




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

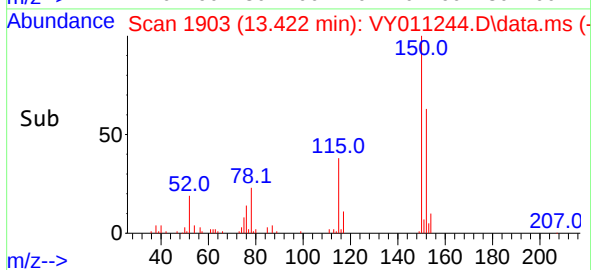
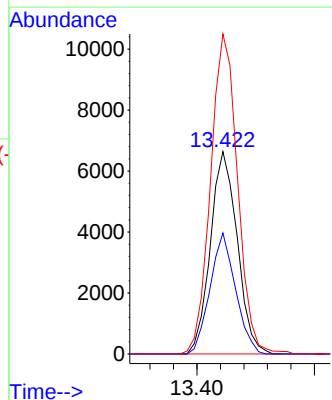
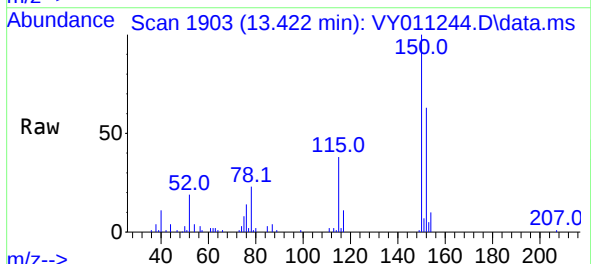
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

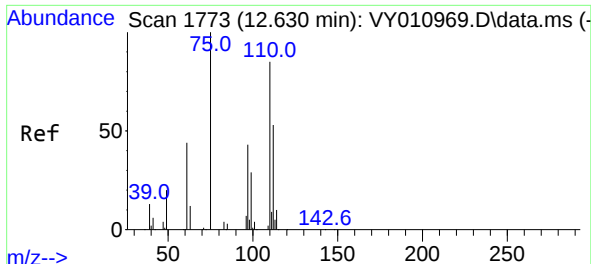
Tgt Ion:	117	Resp:	28297
Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.0	64.4
119	32.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion:	152	Resp:	10548
Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.7
150	158.9	0.0	347.6

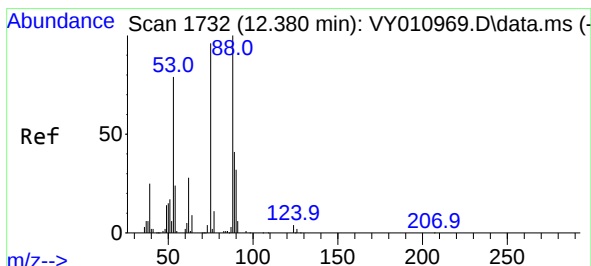
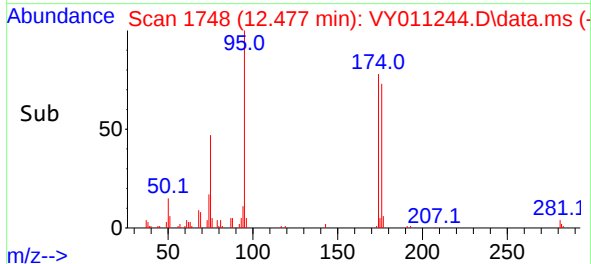
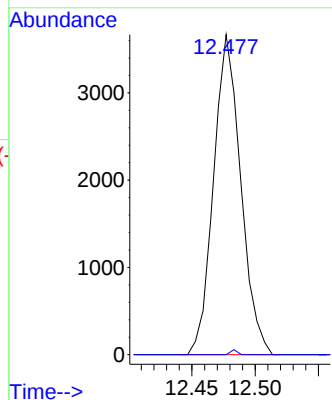
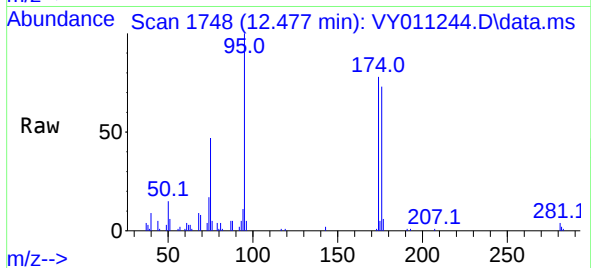




#76
1,2,3-Trichloropropane
Concen: 42.628 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

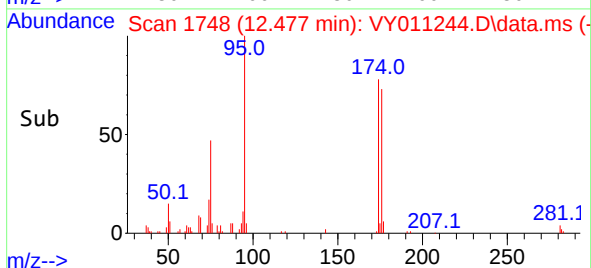
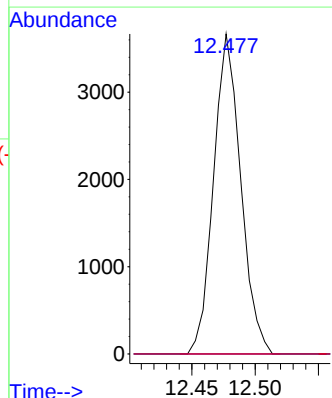
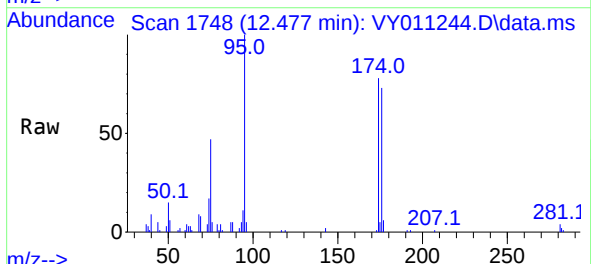
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-16.5-17.0

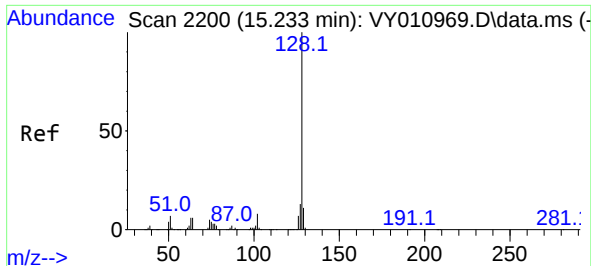
Tgt Ion: 75 Resp: 5474
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.230 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011244.D
Acq: 02 Nov 2022 01:08

Tgt Ion: 75 Resp: 5474
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.112 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011244.D

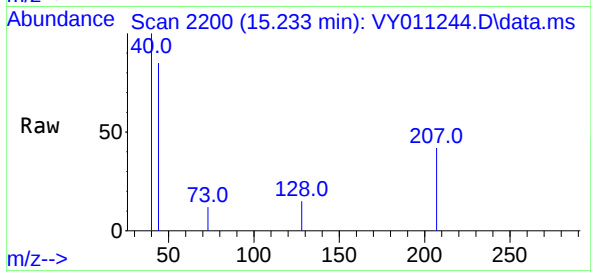
Acq: 02 Nov 2022 01:08

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-16.5-17.0



Tgt Ion:128 Resp: 73

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

