

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007528.D
 Acq On : 17 Feb 2022 17:24
 Operator : SY/MD
 Sample : N1580-03
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-3

Quant Time: Feb 18 07:41:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

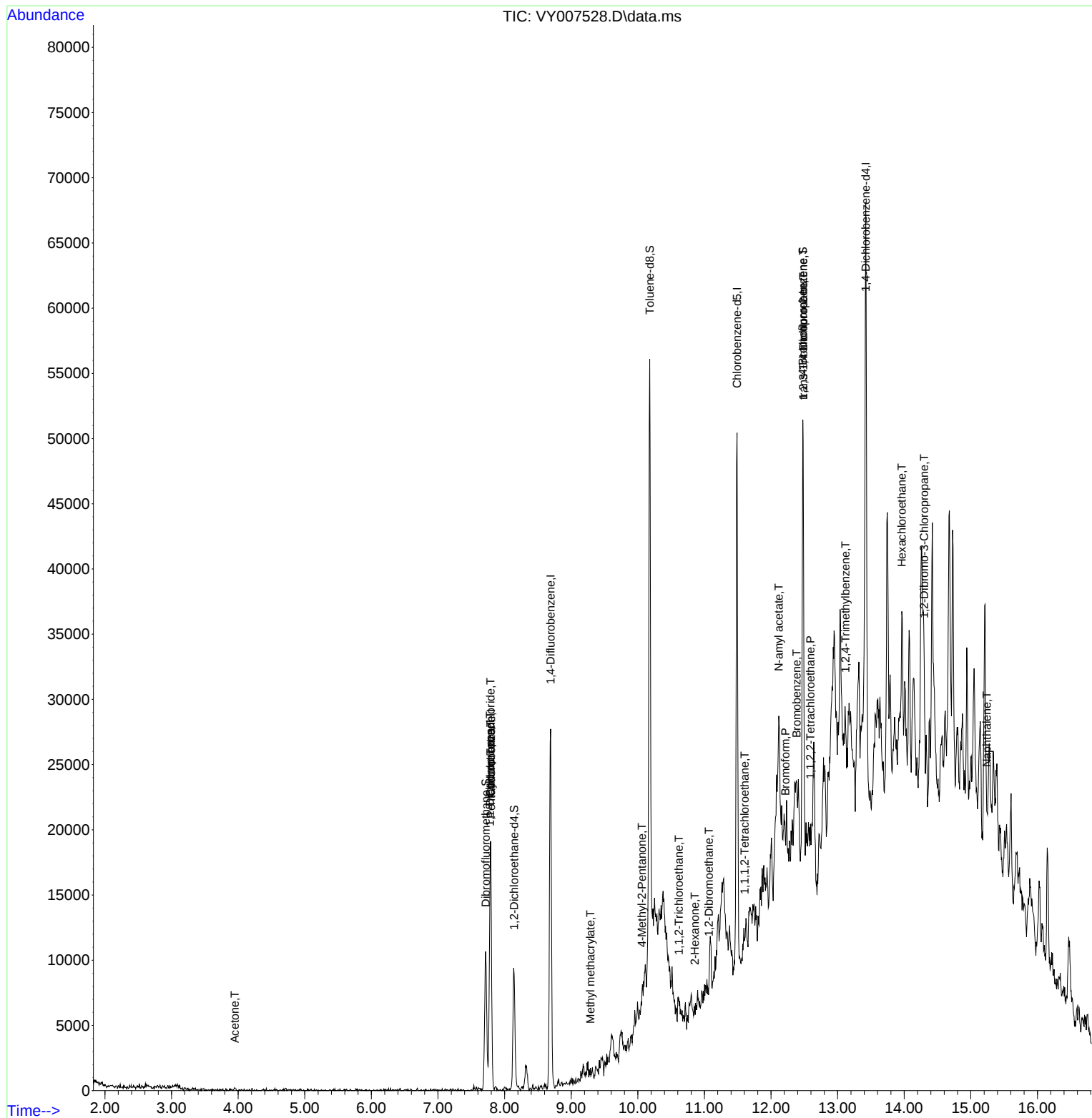
Internal Standards						
1) Pentafluorobenzene	7.795	168	13898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	23948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7168	46.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.420%
35) Dibromofluoromethane	7.716	113	6911	45.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.520%
50) Toluene-d8	10.179	98	29530	51.482	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.477	95	10699	55.009	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	78	Below Cal	#	44
5) Bromomethane	2.668	94	133	Below Cal	#	4
16) Acetone	3.948	43	164	4.029	ug/l #	47
31) Cyclohexane	7.789	56	311	1.146	ug/l #	14
36) 1,1-Dichloropropene	7.783	75	1055	4.312	ug/l #	44
38) Carbon Tetrachloride	7.789	117	1456	5.237	ug/l #	17
48) Methyl methacrylate	9.289	41	185	1.859	ug/l #	1
51) 4-Methyl-2-Pentanone	10.063	43	792	7.102	ug/l #	48
55) 1,1,2-Trichloroethane	10.618	97	1034	7.848	ug/l #	16
59) 2-Hexanone	10.855	43	116	1.441	ug/l #	28
61) 1,2-Dibromoethane	11.069	107	218	1.660	ug/l #	68
66) 1,1,1,2-Tetrachloroethane	11.605	131	408	2.226	ug/l #	9
71) Bromoform	12.215	173	443	4.389	ug/l #	28
74) N-amyl acetate	12.117	43	784	3.937	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.593	83	414	2.748	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	5570	48.551	ug/l #	100
77) Bromobenzene	12.386	156	336	1.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	5570	100.911	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.117	105	1396	1.976	ug/l	85
90) Hexachloroethane	13.965	117	688	4.656	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.300	75	97	3.792	ug/l #	32
95) Naphthalene	15.239	128	764	1.809	ug/l #	69

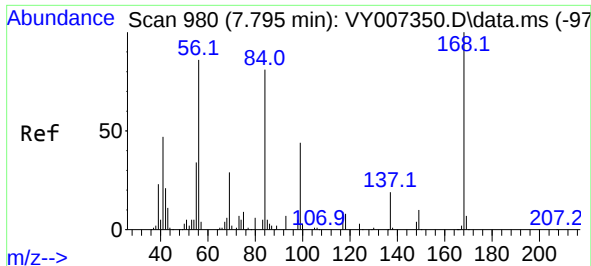
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007528.D
Acq On : 17 Feb 2022 17:24
Operator : SY/MD
Sample : N1580-03
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D-3

Quant Time: Feb 18 07:41:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 15 09:34:50 2022
Response via : Initial Calibration

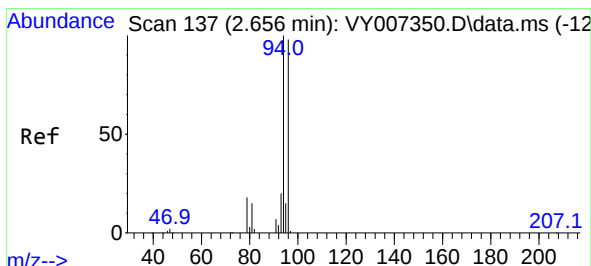
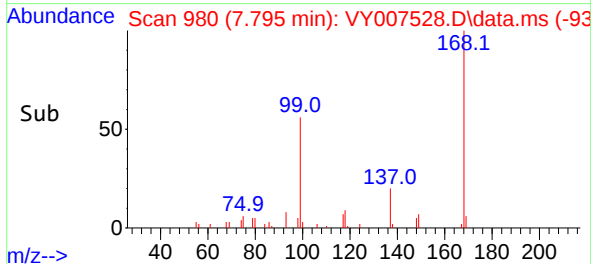
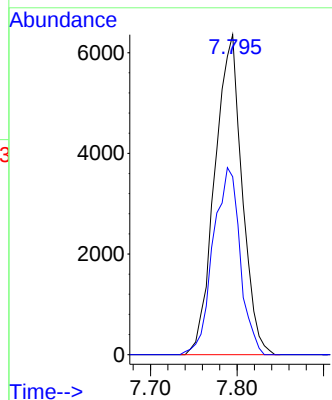
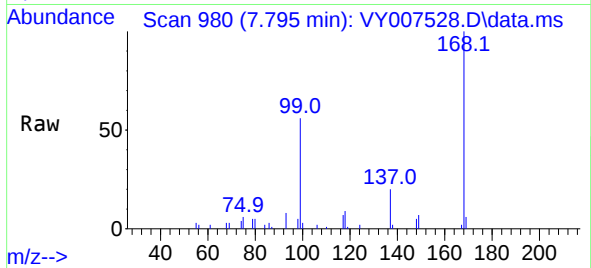




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

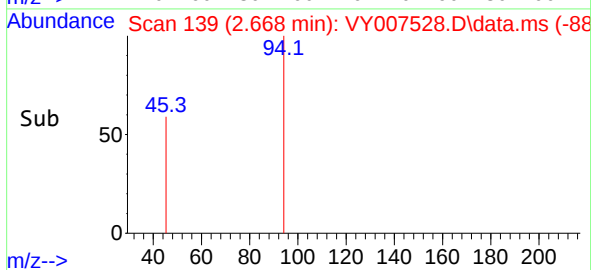
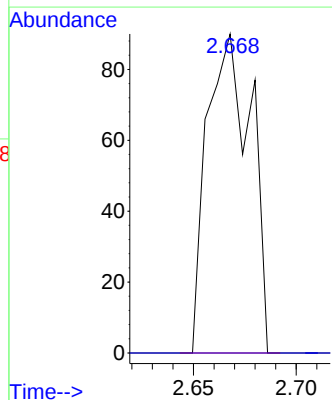
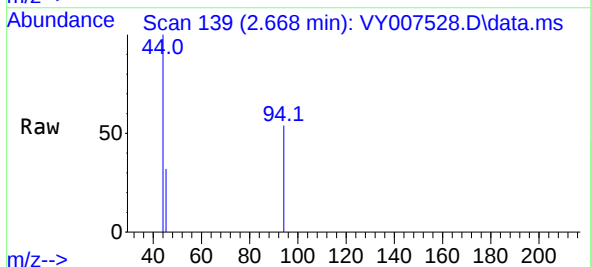
Instrument :
MSVOA_Y
ClientSampleId :
D-3

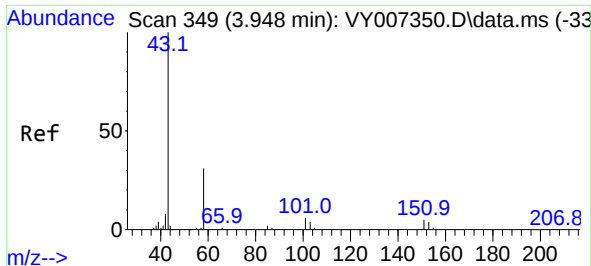
Tgt Ion:168 Resp: 13898
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#





#16

Acetone

Concen: 4.029 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

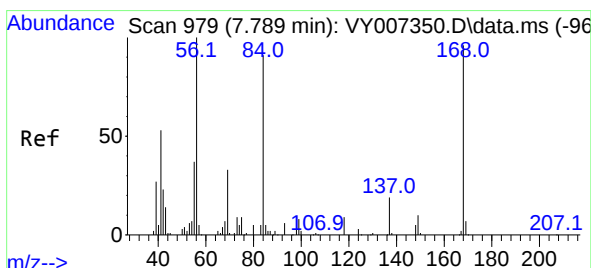
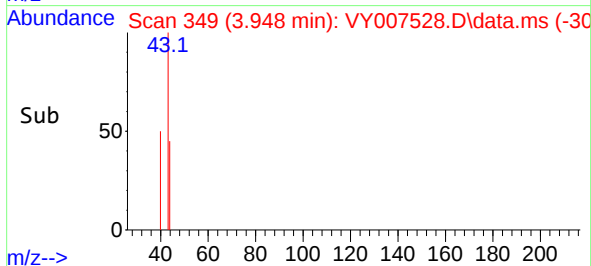
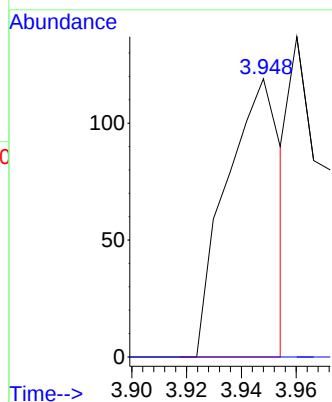
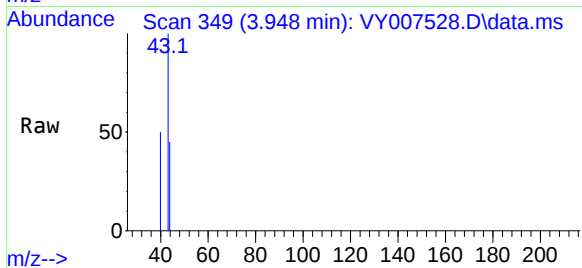
D-3

Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

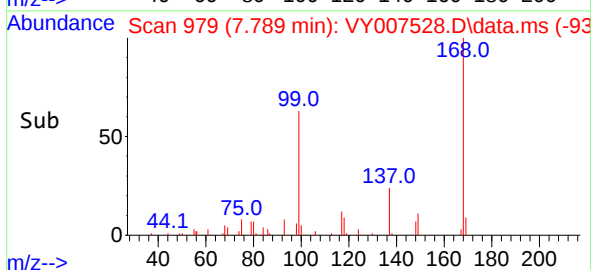
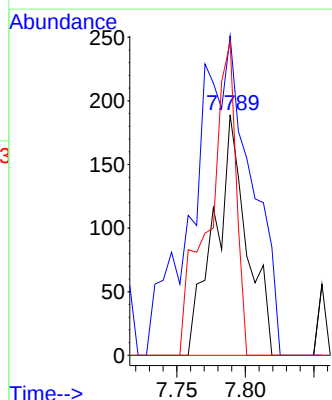
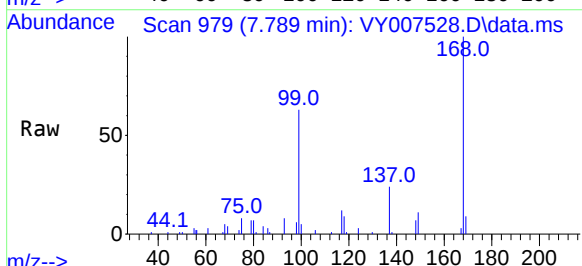
Tgt Ion: 56 Resp: 311

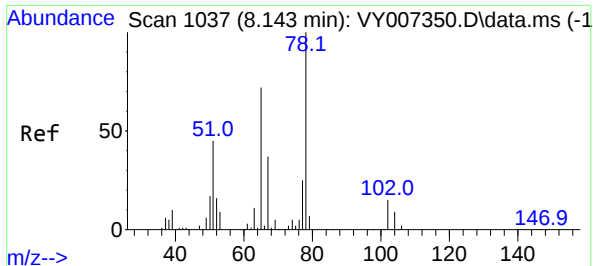
Ion Ratio Lower Upper

56 100

69 132.8 26.7 40.1#

84 130.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.715 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

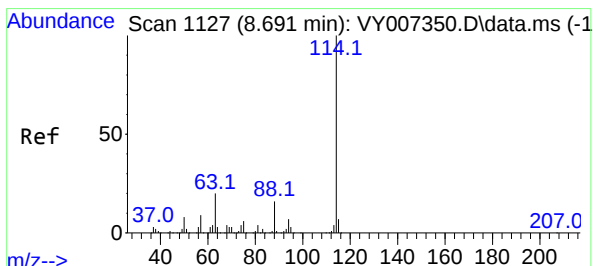
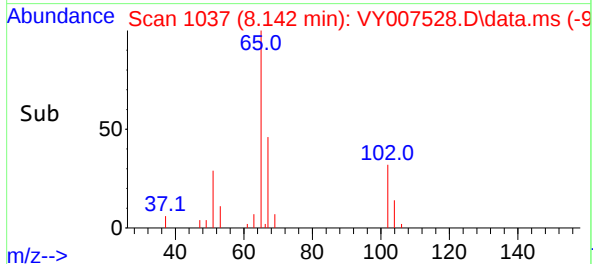
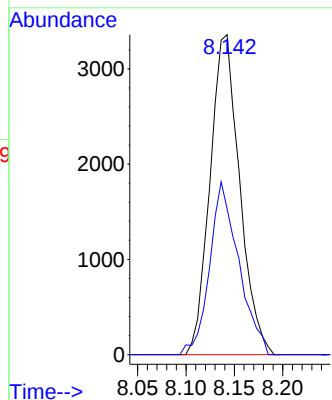
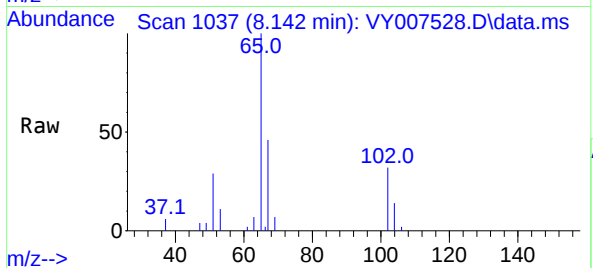
D-3

Tgt Ion: 65 Resp: 7168

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

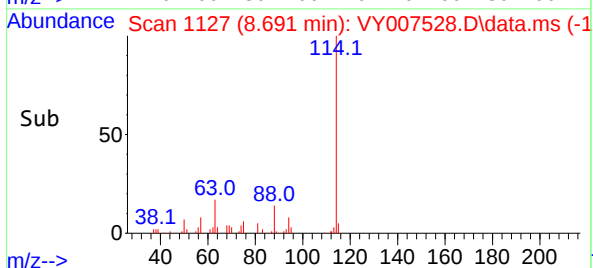
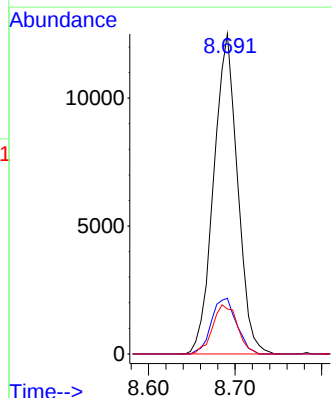
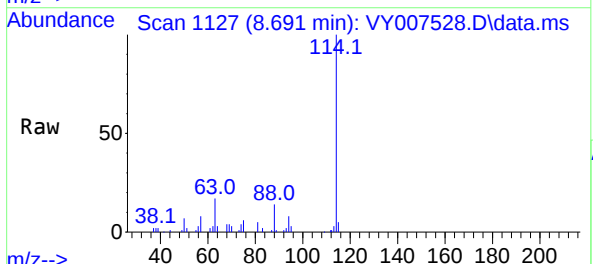
Tgt Ion: 114 Resp: 23948

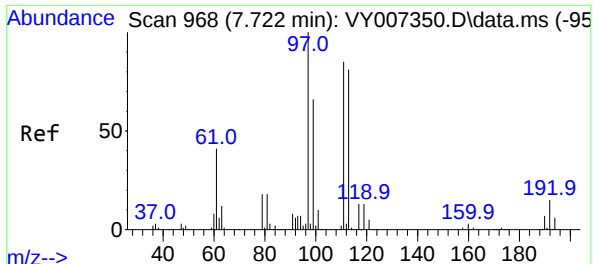
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.1 0.0 31.8

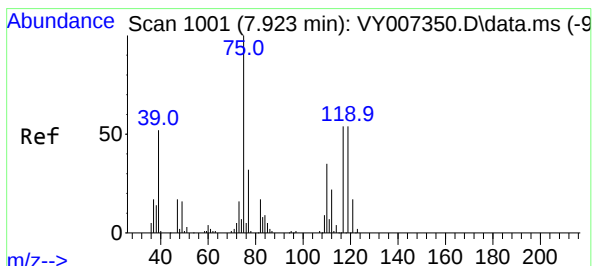
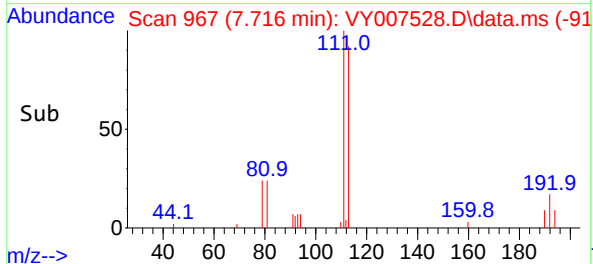
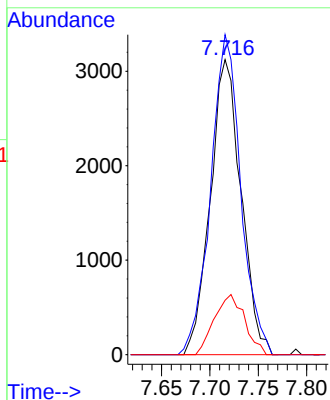
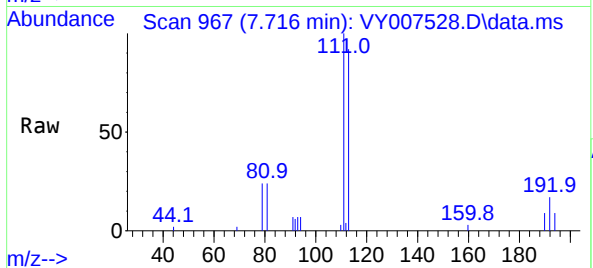




#35
Dibromofluoromethane
Concen: 45.761 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

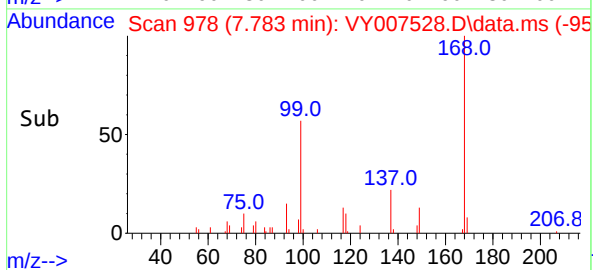
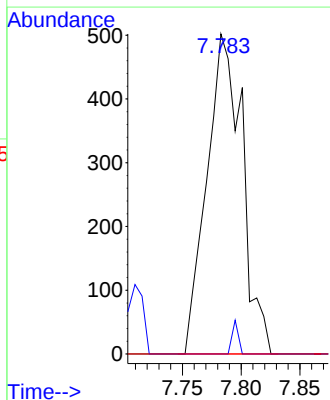
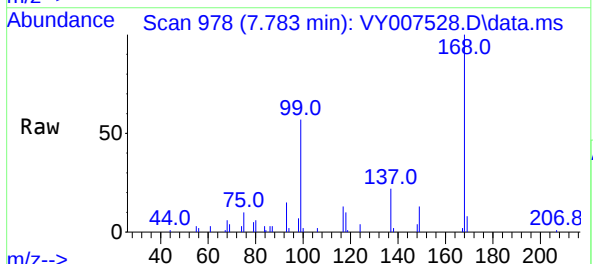
Instrument :
MSVOA_Y
ClientSampleId :
D-3

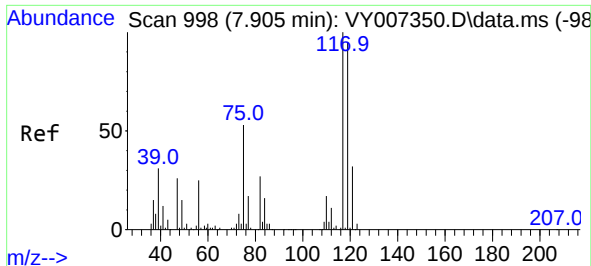
Tgt Ion:	113	Resp:	6911
Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.6	124.0
192	20.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

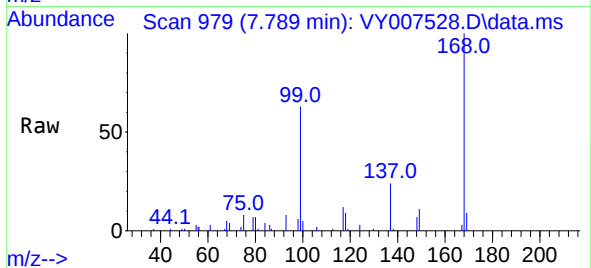
Tgt Ion:	75	Resp:	1055
Ion	Ratio	Lower	Upper
75	100		
110	1.8	17.1	51.2#
77	0.0	24.4	36.6#



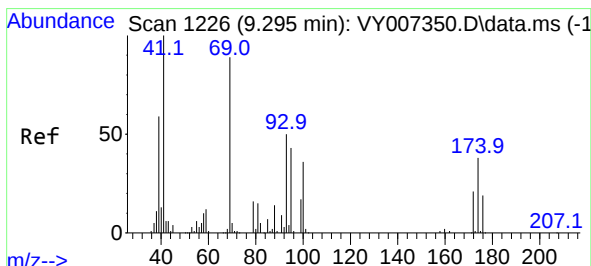
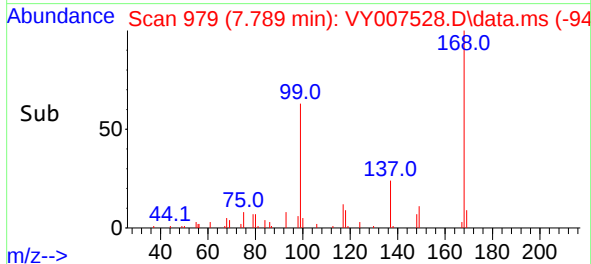
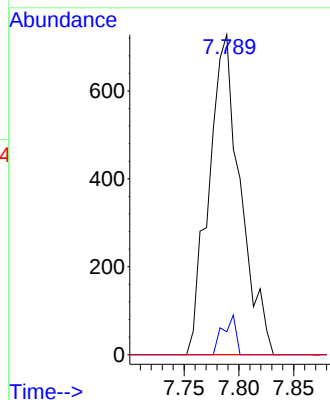


#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Instrument :
MSVOA_Y
ClientSampleId :
D-3

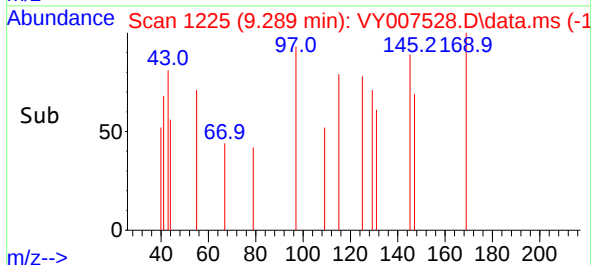
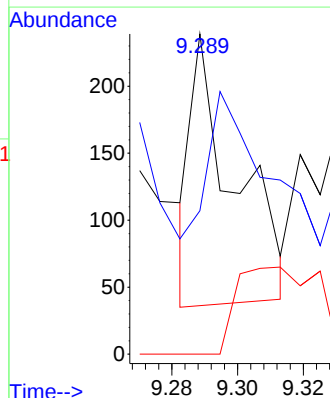
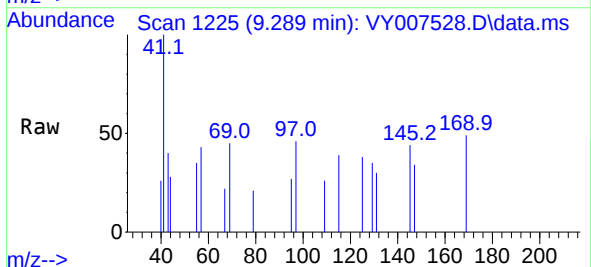


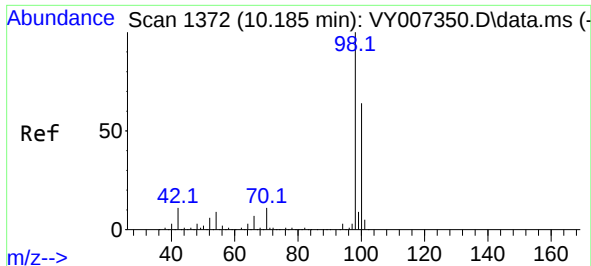
Tgt Ion:117 Resp: 1456
Ion Ratio Lower Upper
117 100
119 7.1 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.859 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 41 Resp: 185
Ion Ratio Lower Upper
41 100
69 173.0 58.2 87.2#
39 0.0 47.4 71.0#

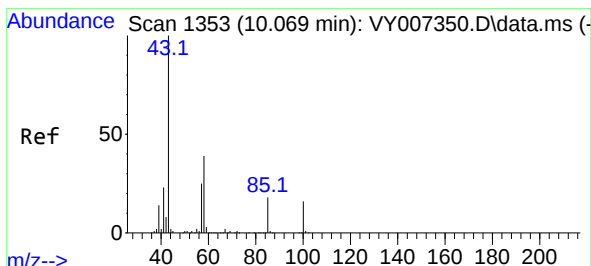
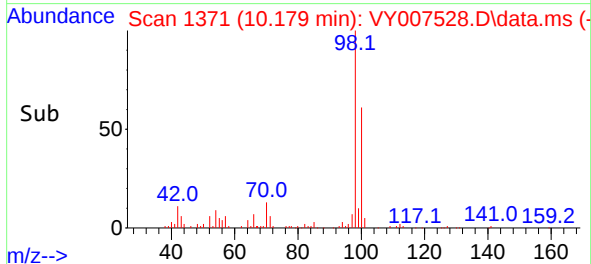
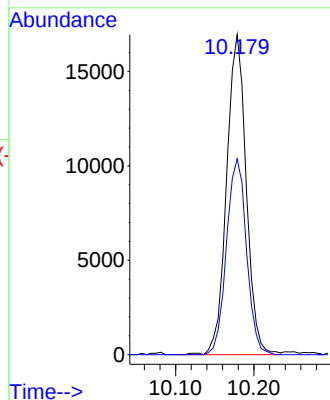
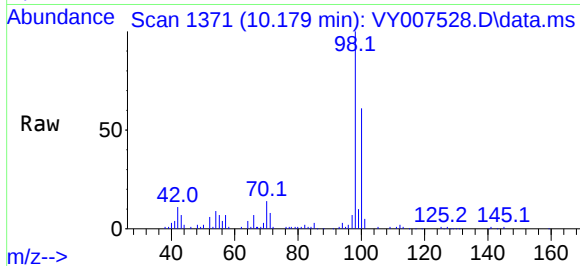




#50
Toluene-d8
Concen: 51.482 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

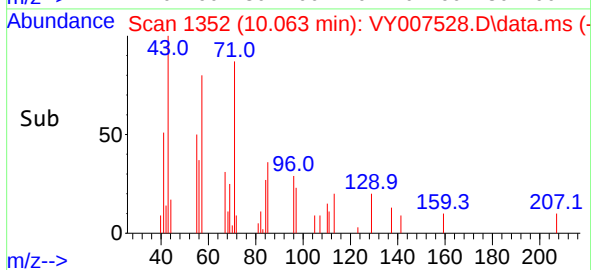
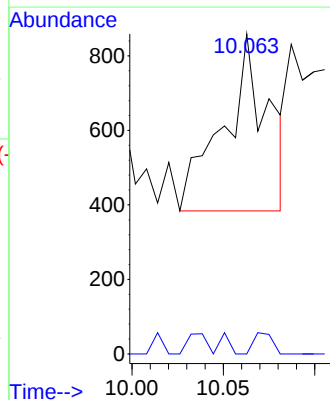
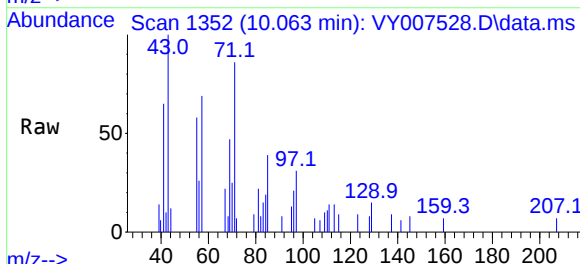
Instrument :
MSVOA_Y
ClientSampleId :
D-3

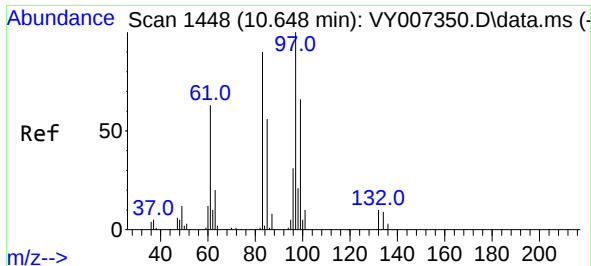
Tgt Ion: 98 Resp: 29530
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 7.102 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
58 5.1 28.1 42.1#

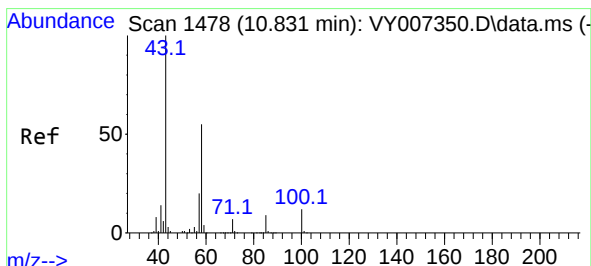
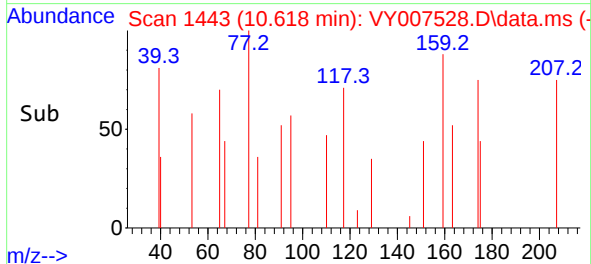
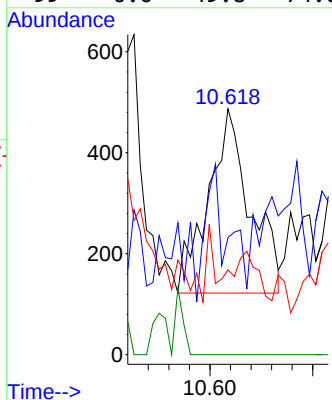
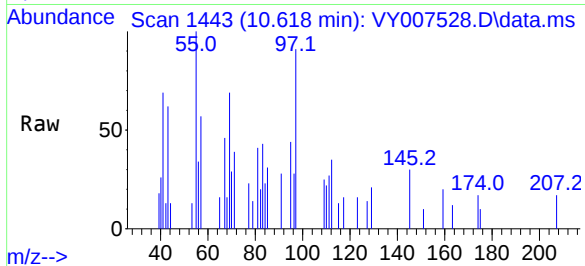




#55
1,1,2-Trichloroethane
Concen: 7.848 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

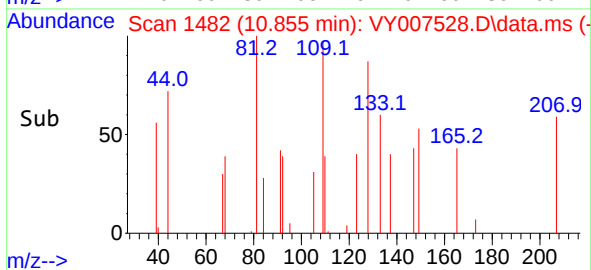
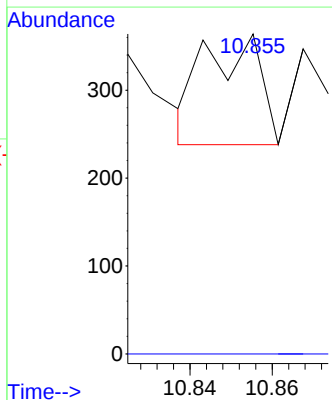
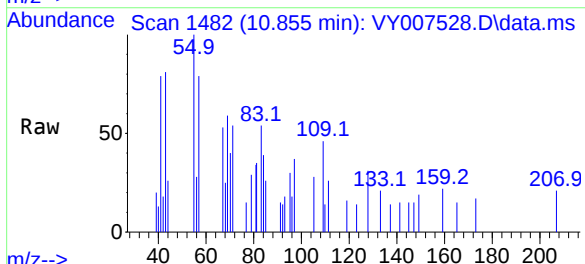
Instrument :
MSVOA_Y
ClientSampleId :
D-3

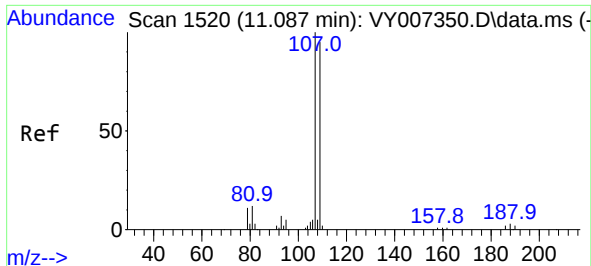
Tgt Ion:	97	Resp:	1034
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	2.7	44.3	66.5#
99	0.0	49.8	74.6#



#59
2-Hexanone
Concen: 1.441 ug/l
RT: 10.855 min Scan# 1482
Delta R.T. 0.024 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion:	43	Resp:	116
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	73.4#





#61

1,2-Dibromoethane

Concen: 1.660 ug/l

RT: 11.069 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

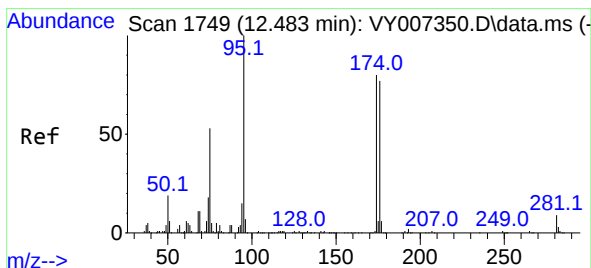
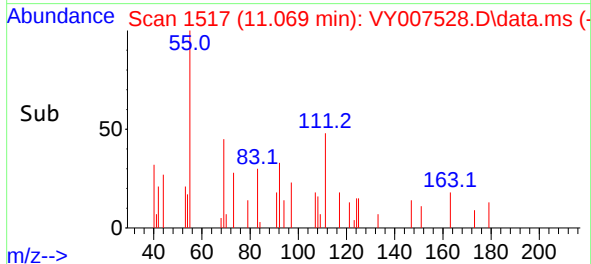
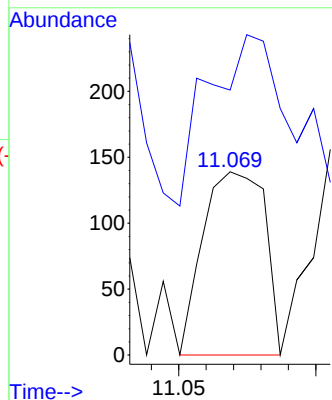
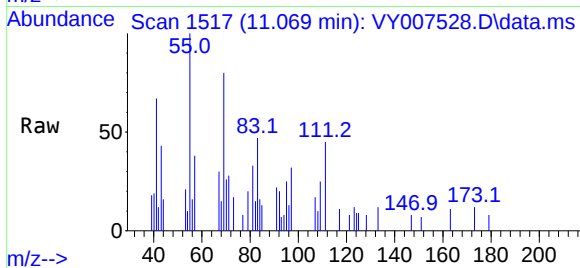
D-3

Tgt Ion:107 Resp: 218

Ion Ratio Lower Upper

107 100

109 125.2 75.4 113.2#



#62

4-Bromofluorobenzene

Concen: 55.009 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY007528.D

Acq: 17 Feb 2022 17:24

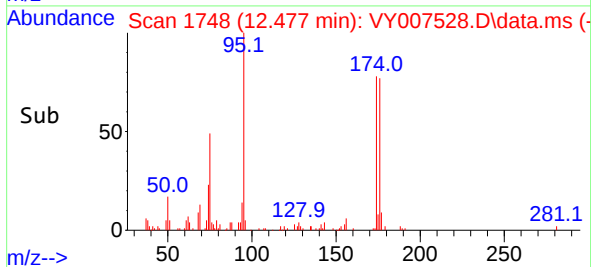
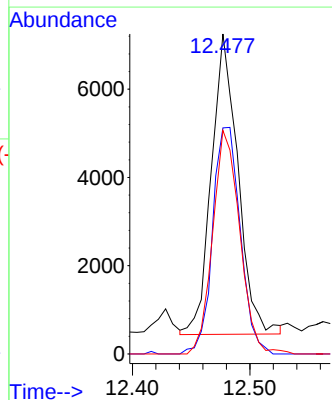
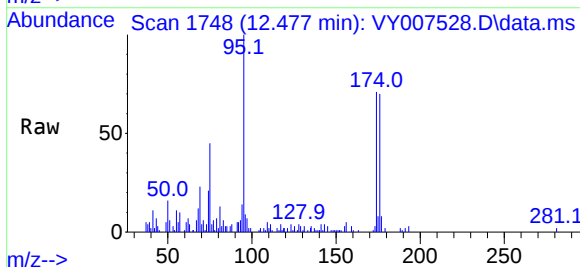
Tgt Ion: 95 Resp: 10699

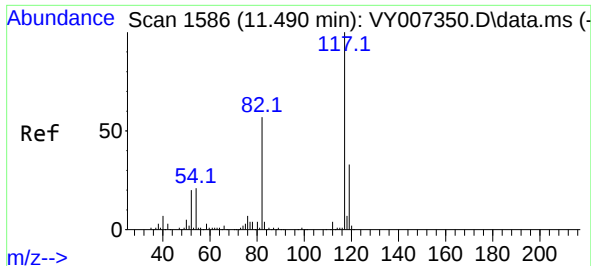
Ion Ratio Lower Upper

95 100

174 78.4 0.0 177.0

176 75.8 0.0 175.8

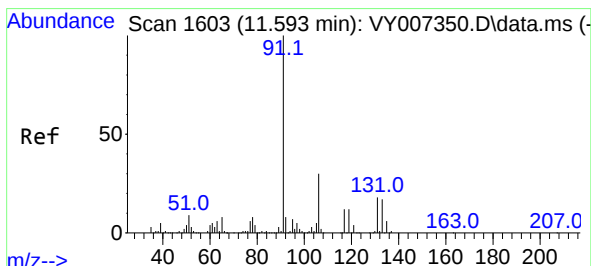
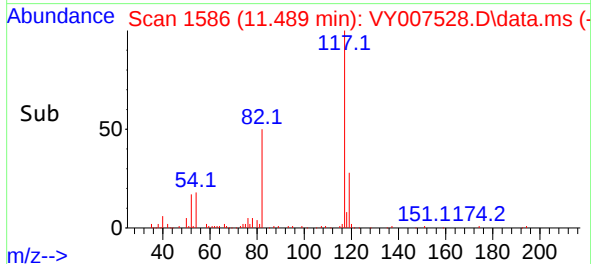
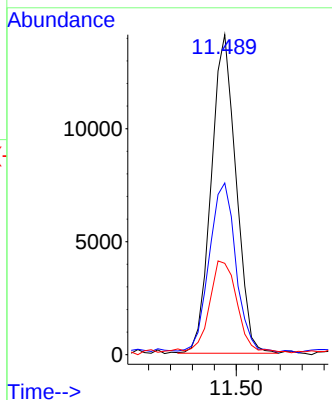
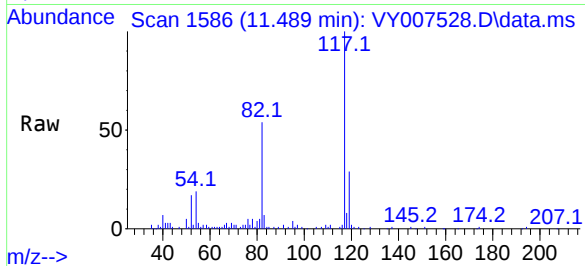




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

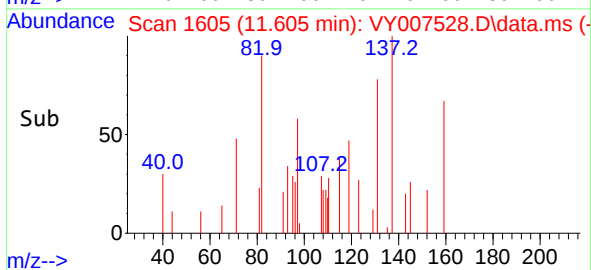
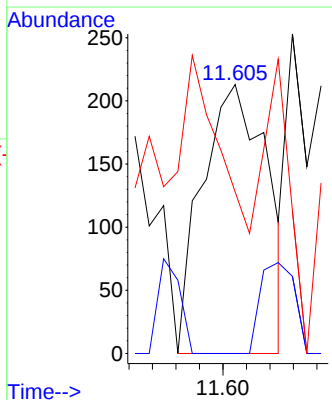
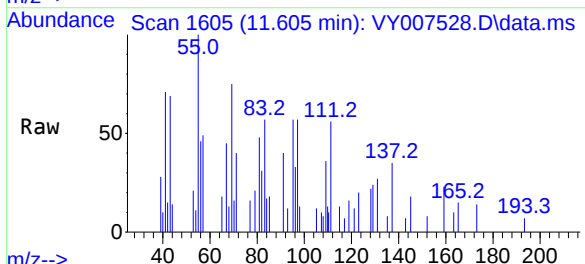
Instrument :
MSVOA_Y
ClientSampleId :
D-3

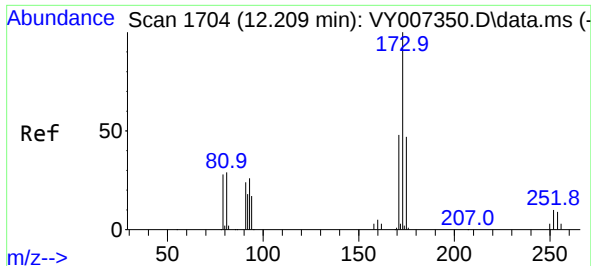
Tgt Ion:	117	Resp:	22155
Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.0	64.4
119	27.7	25.4	38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 2.226 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.012 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion:	131	Resp:	408
Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.9	143.6#
119	0.0	30.8	92.3#

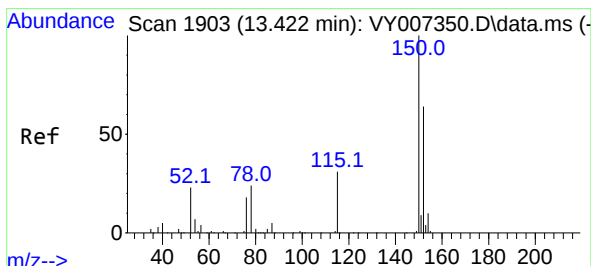
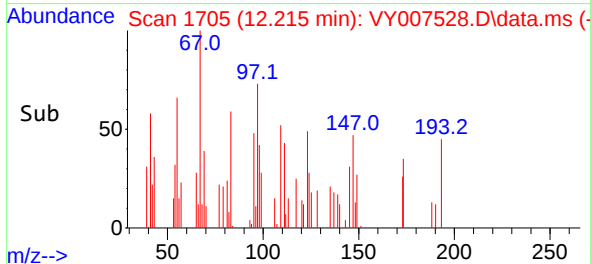
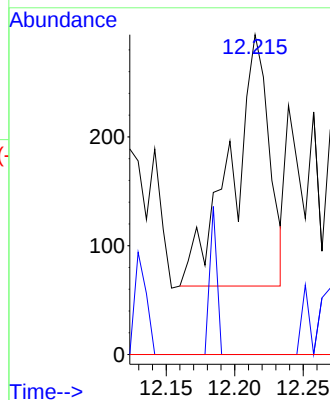
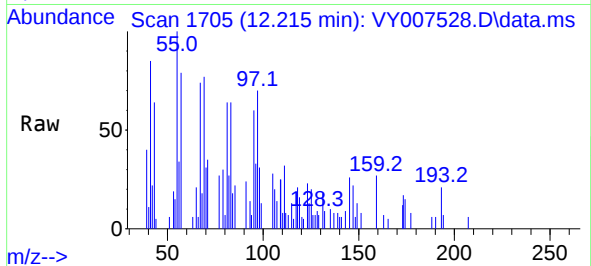




#71
Bromoform
Concen: 4.389 ug/l
RT: 12.215 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

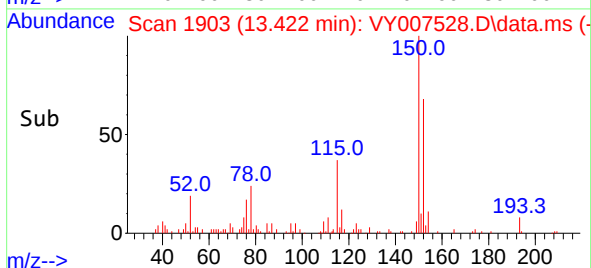
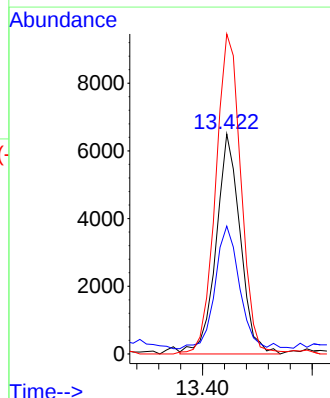
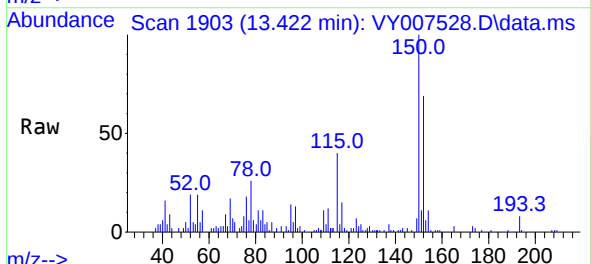
Instrument :
MSVOA_Y
ClientSampleId :
D-3

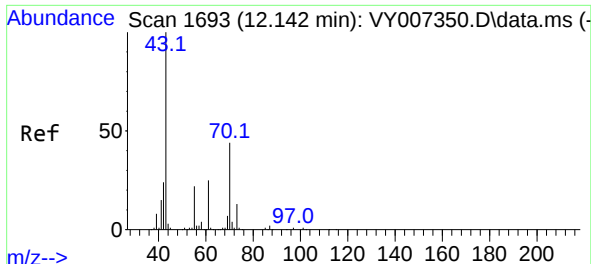
Tgt Ion:173 Resp: 443
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

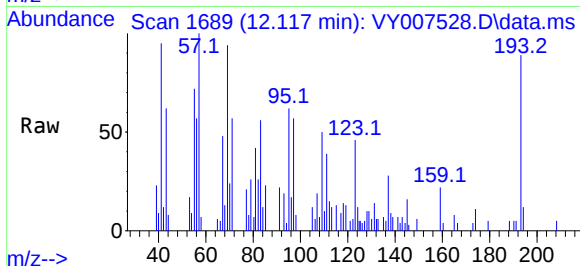
Tgt Ion:152 Resp: 9929
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 152.7 0.0 347.6





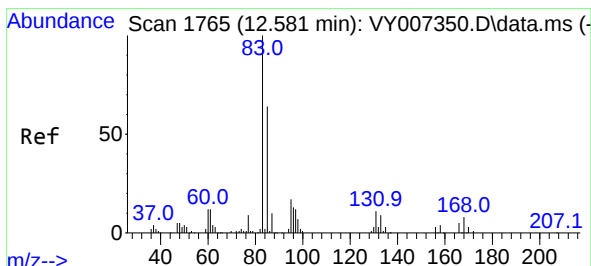
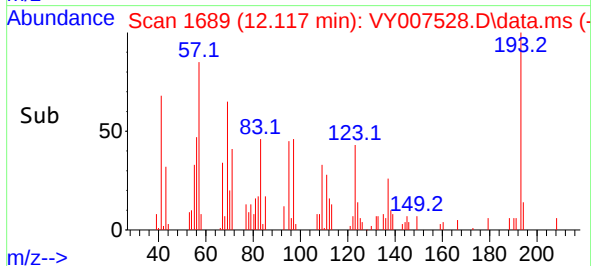
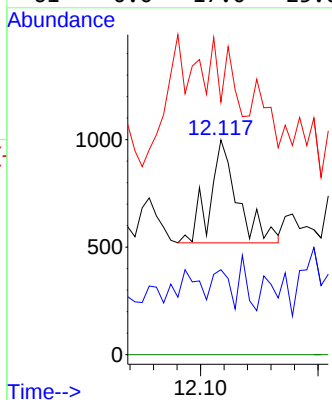
#74
N-amy1 acetate
Concen: 3.937 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Instrument :
MSVOA_Y
ClientSampleId :
D-3



Tgt Ion: 43 Resp: 784

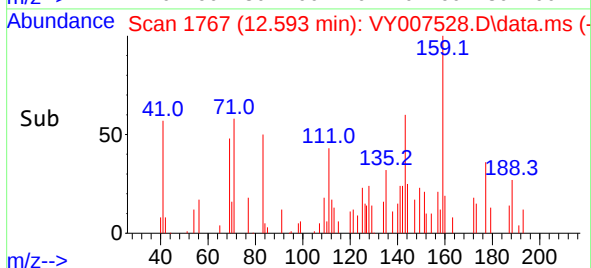
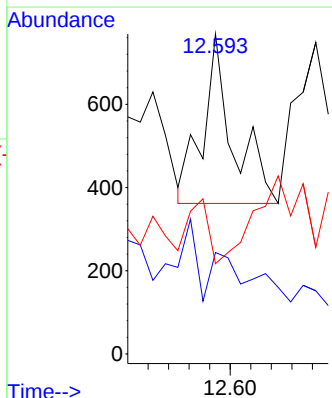
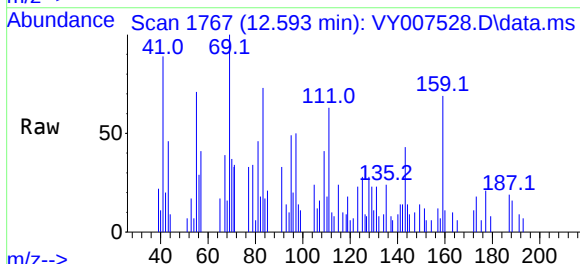
Ion	Ratio	Lower	Upper
43	100		
70	23.0	28.7	43.1#
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#

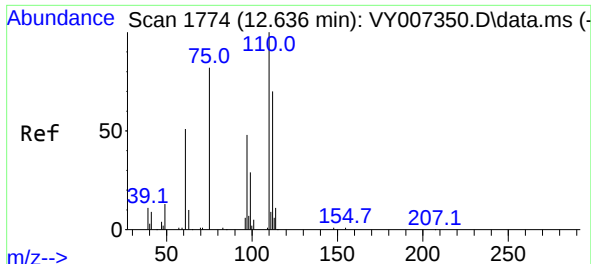


#75
1,1,2,2-Tetrachloroethane
Concen: 2.748 ug/l
RT: 12.593 min Scan# 1767
Delta R.T. 0.012 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 83 Resp: 414

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	20.3	32.3	96.8#

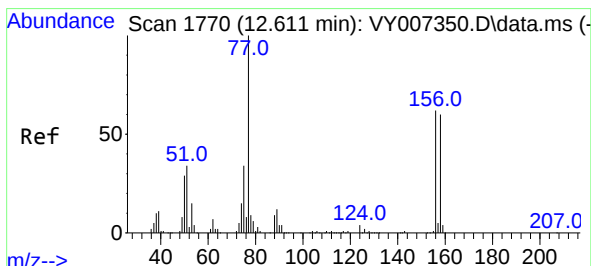
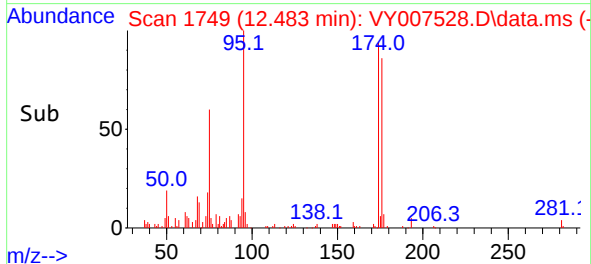
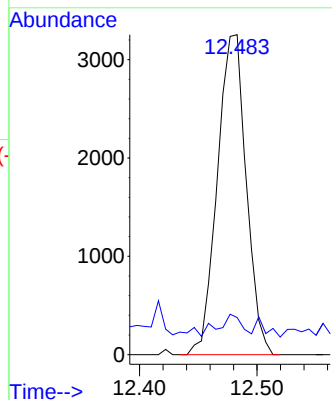
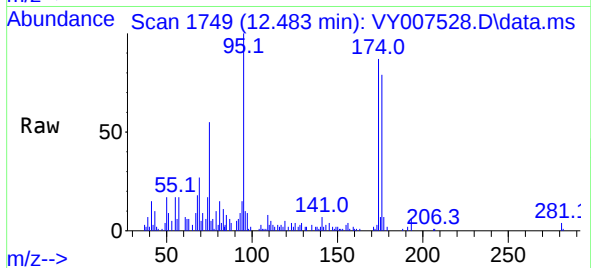




#76
1,2,3-Trichloropropane
Concen: 48.551 ug/l
RT: 12.483 min Scan# 1733
Delta R.T. -0.153 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

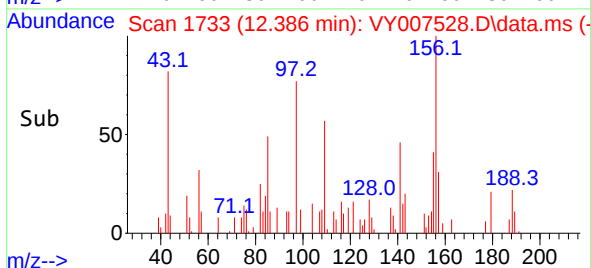
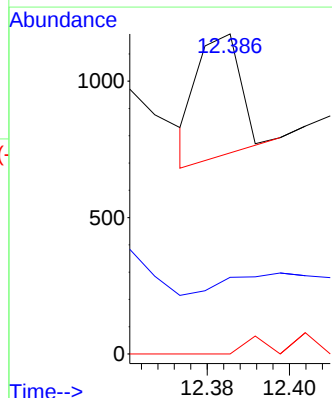
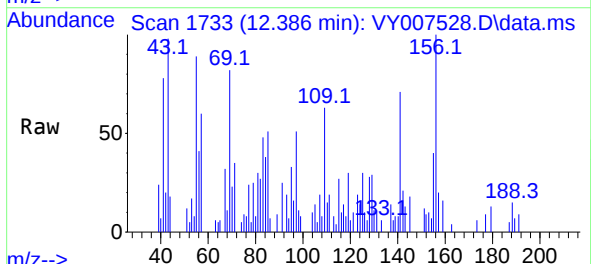
Instrument :
MSVOA_Y
ClientSampleId :
D-3

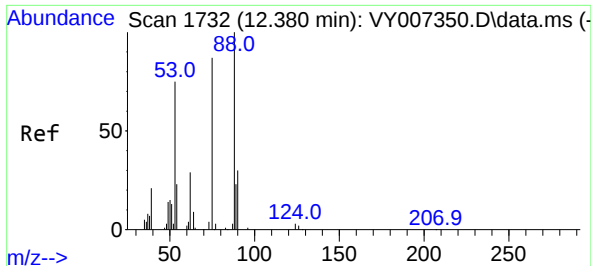
Tgt Ion: 75 Resp: 5570
Ion Ratio Lower Upper
75 100
77 5.4 0.0 0.0#



#77
Bromobenzene
Concen: 1.779 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.225 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion:156 Resp: 336
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 7.1 48.0 144.0#

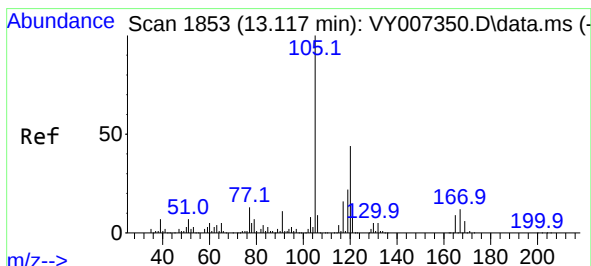
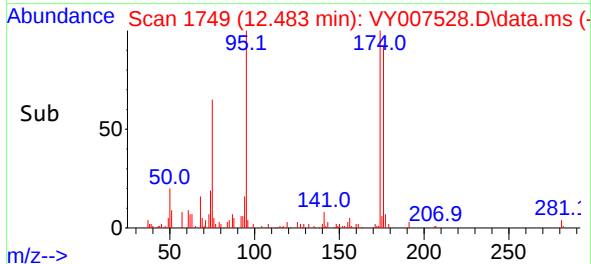
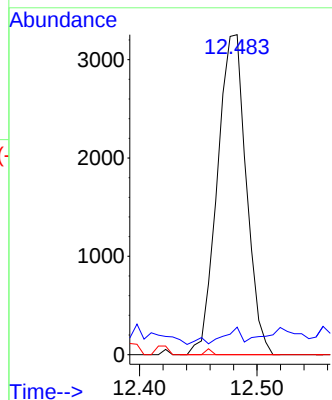
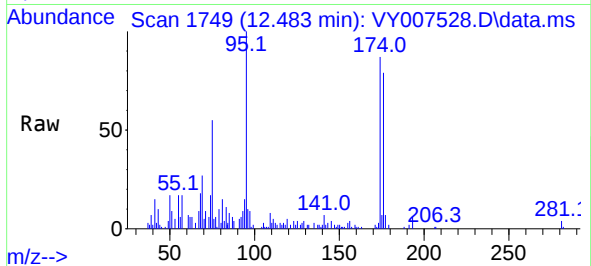




#81
trans-1,4-Dichloro-2-butene
Concen: 100.911 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

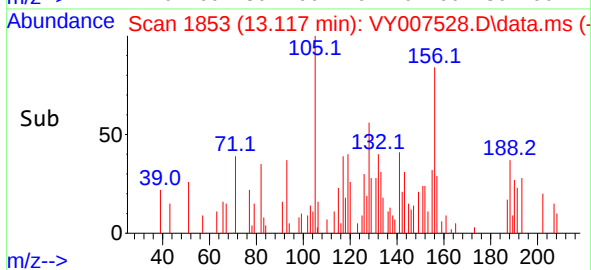
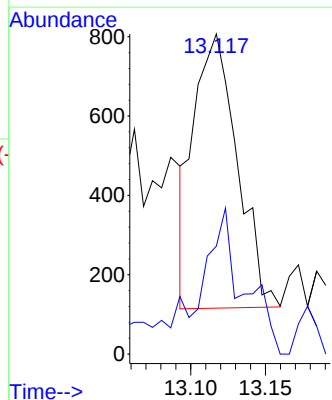
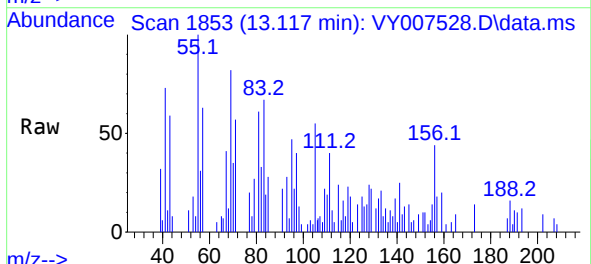
Instrument :
MSVOA_Y
ClientSampleId :
D-3

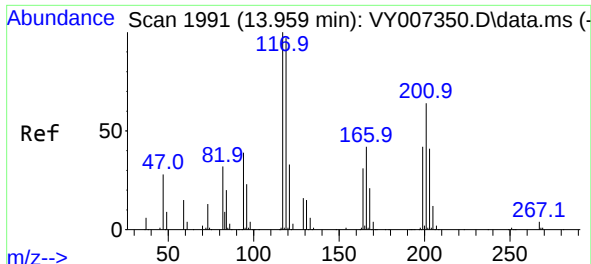
Tgt Ion: 75 Resp: 5570
Ion Ratio Lower Upper
75 100
53 3.1 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.976 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 105 Resp: 1396
Ion Ratio Lower Upper
105 100
120 54.4 22.3 66.9

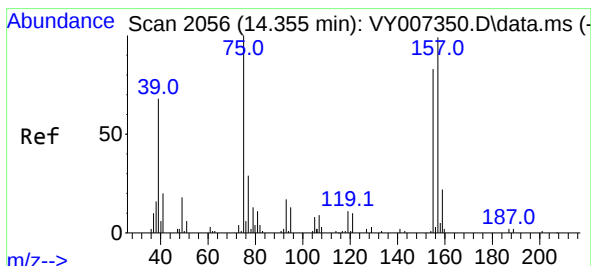
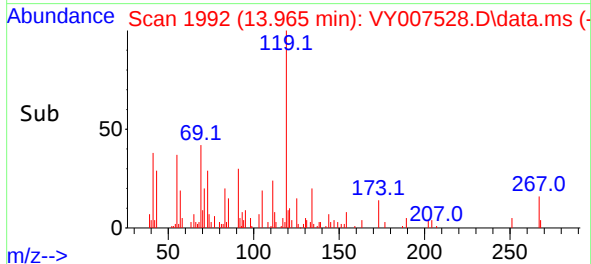
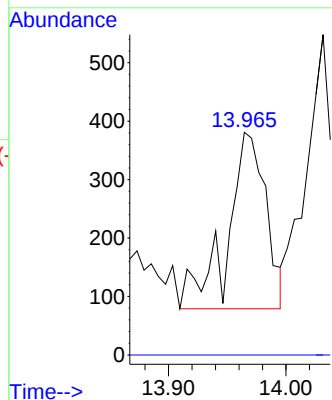
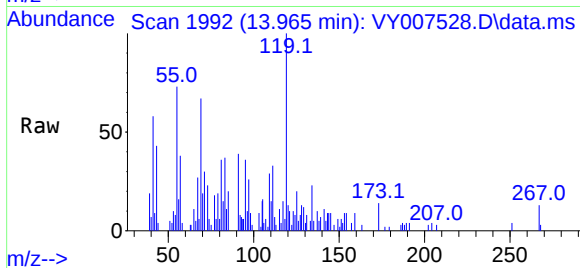




#90
Hexachloroethane
Concen: 4.656 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

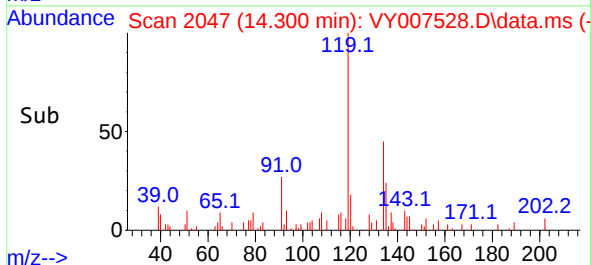
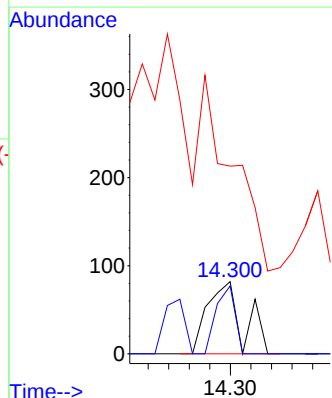
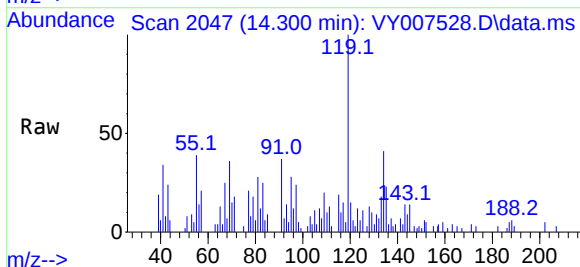
Instrument :
MSVOA_Y
ClientSampleId :
D-3

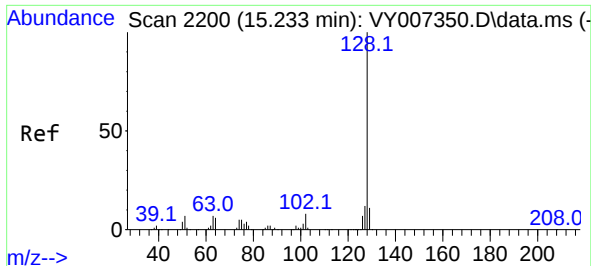
Tgt Ion:117 Resp: 688
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.792 ug/l
RT: 14.300 min Scan# 2047
Delta R.T. -0.055 min
Lab File: VY007528.D
Acq: 17 Feb 2022 17:24

Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
155 50.5 38.0 113.9
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 1.809 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY007528.D

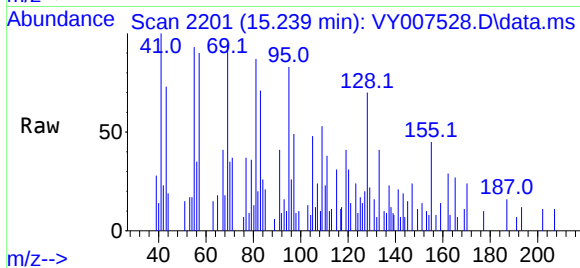
Acq: 17 Feb 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

D-3



Tgt Ion:128 Resp: 764

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

