

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020722\
 Data File : VY007416.D
 Acq On : 07 Feb 2022 16:29
 Operator : SY/MD
 Sample : N1421-01
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Feb 08 00:39:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	108216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	201180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79995	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	68503	55.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.060%
35) Dibromofluoromethane	7.722	113	66243	51.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.560%
50) Toluene-d8	10.184	98	246154	51.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.140%
62) 4-Bromofluorobenzene	12.483	95	89034	54.884	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.760%

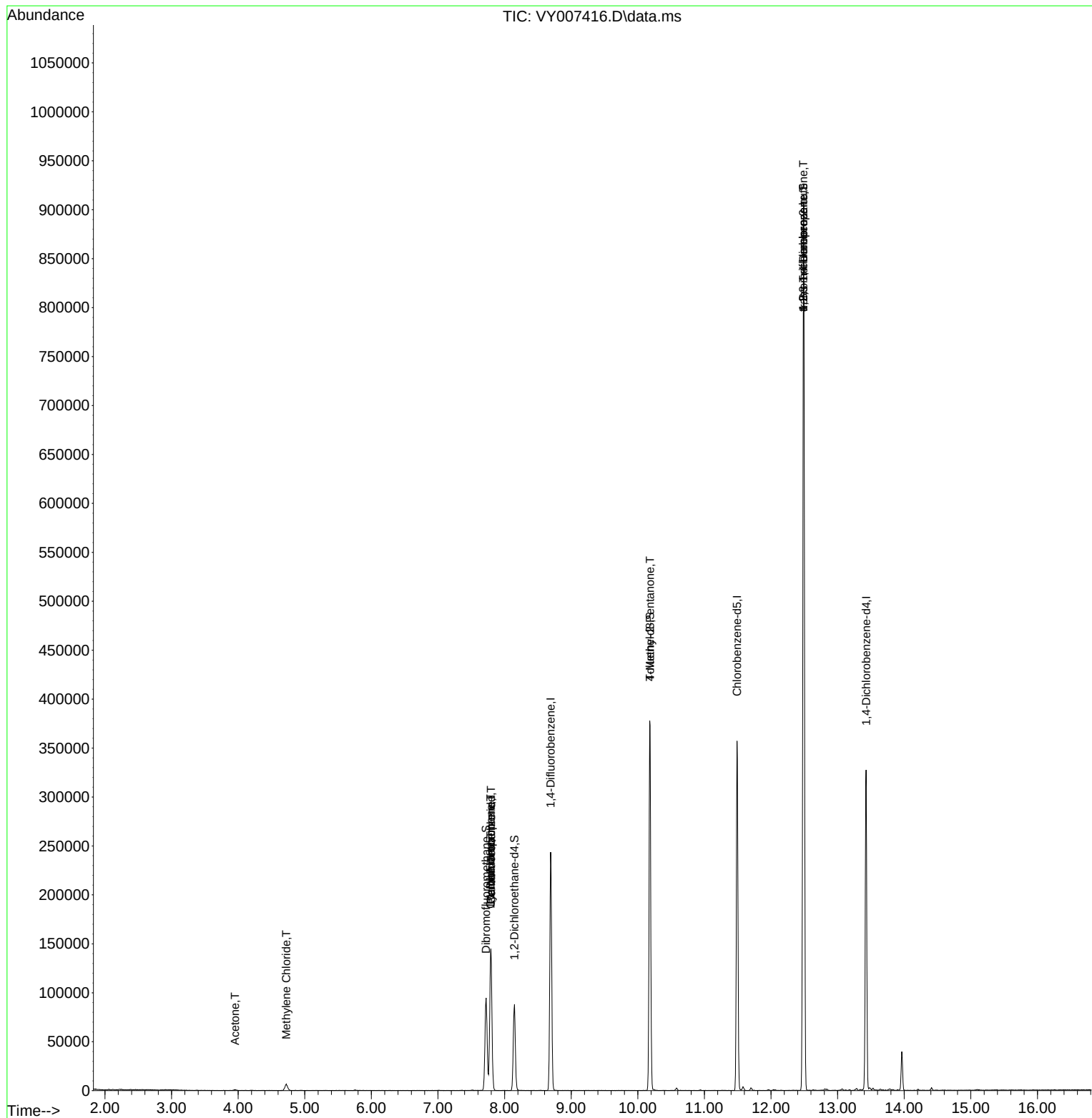
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	590	Below Cal	#	44
11) Tert butyl alcohol	4.966	59	235	Below Cal	#	77
16) Acetone	3.954	43	1671	4.133	ug/l	96
20) Methylene Chloride	4.722	84	4863	1.484	ug/l #	76
31) Cyclohexane	7.789	56	2469	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9274	4.106	ug/l #	51
38) Carbon Tetrachloride	7.795	117	11665	4.916	ug/l #	15
51) 4-Methyl-2-Pentanone	10.184	43	1197	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	55479	58.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55479	116.876	ug/l #	7

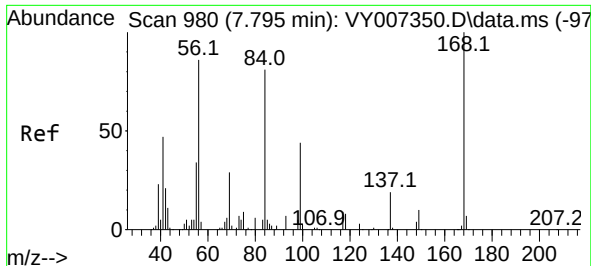
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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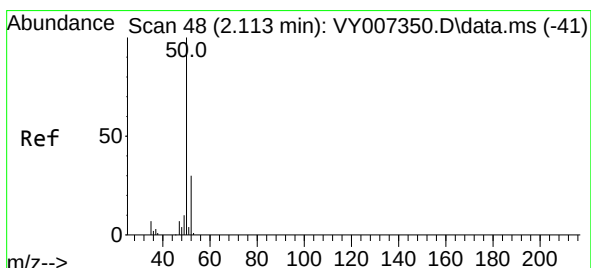
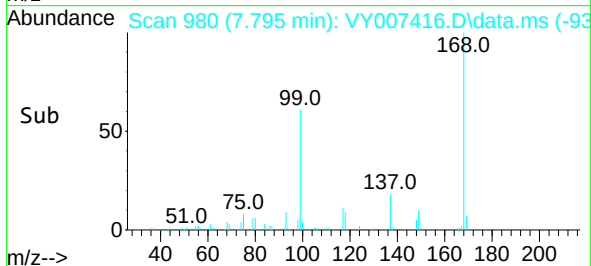
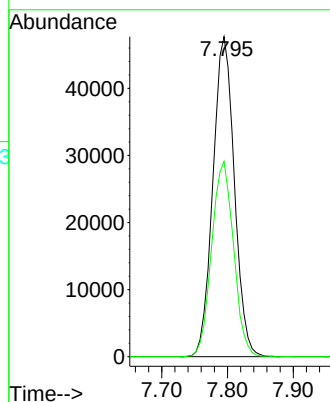
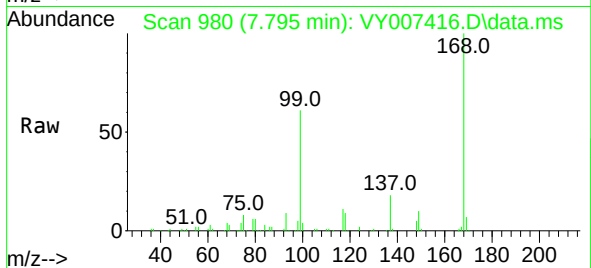




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

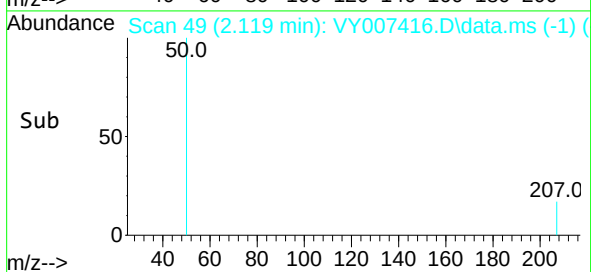
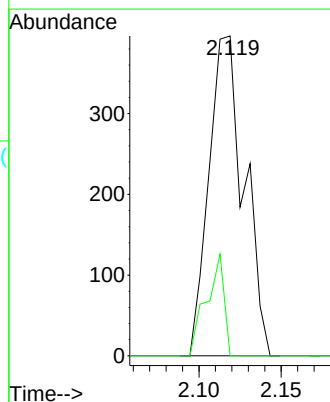
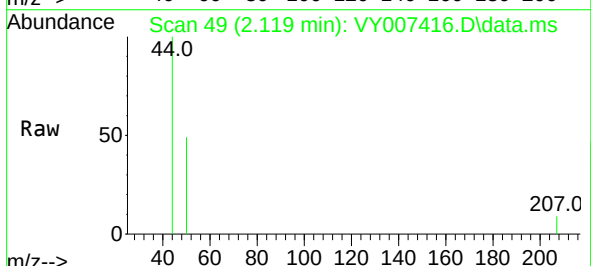
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

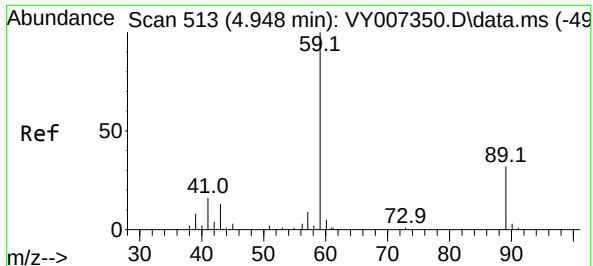
Tgt Ion:168 Resp: 108216
Ion Ratio Lower Upper
168 100
99 61.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

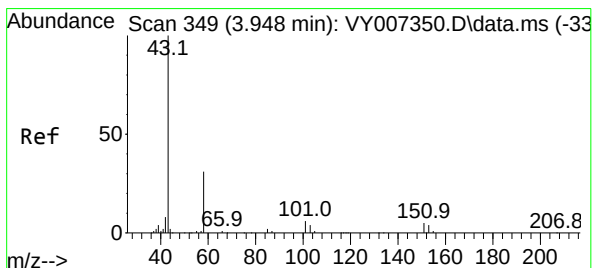
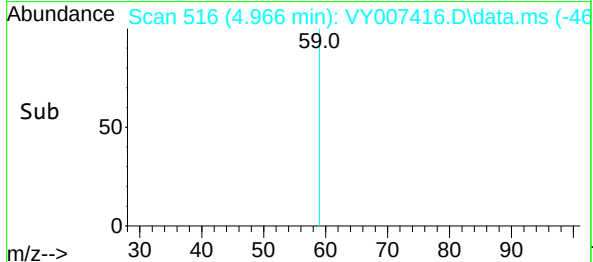
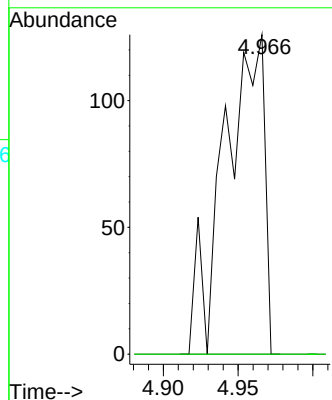
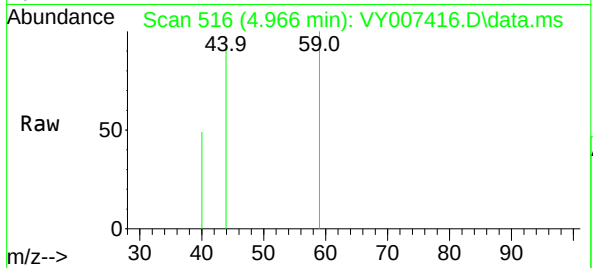




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

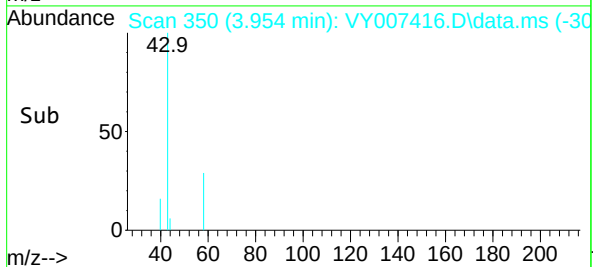
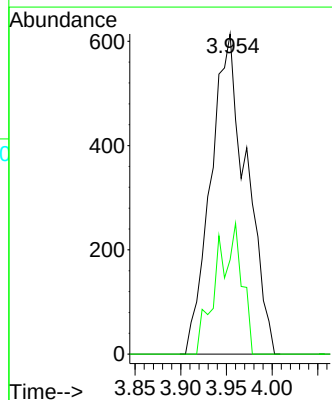
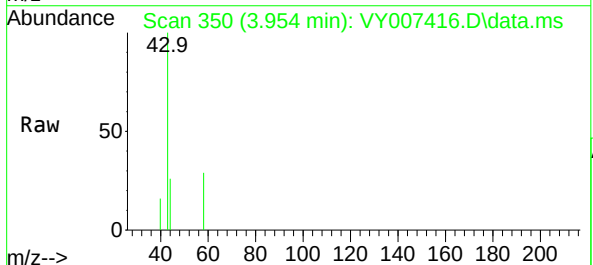
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

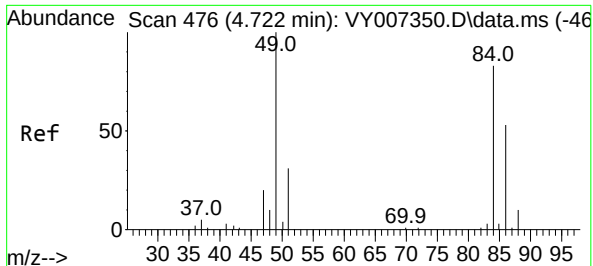
Tgt Ion: 59 Resp: 235
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 4.133 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

Tgt Ion: 43 Resp: 1671
Ion Ratio Lower Upper
43 100
58 29.5 22.0 33.0





#20

Methylene Chloride

Concen: 1.484 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007416.D

Acq: 07 Feb 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

Tgt Ion: 84 Resp: 4863

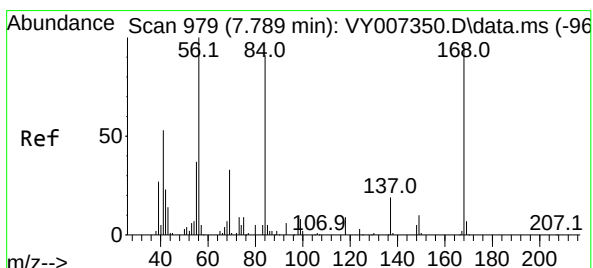
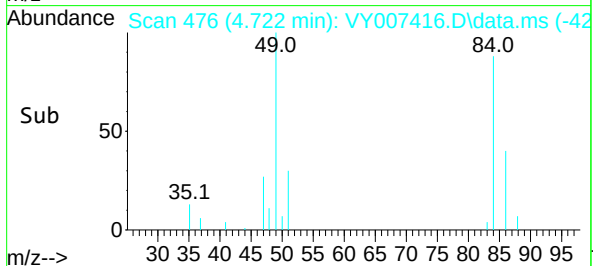
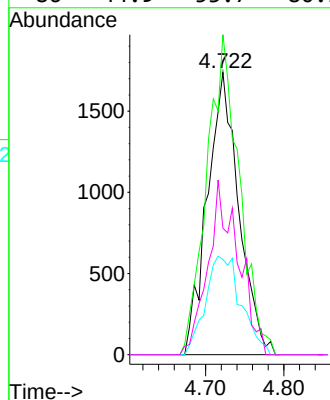
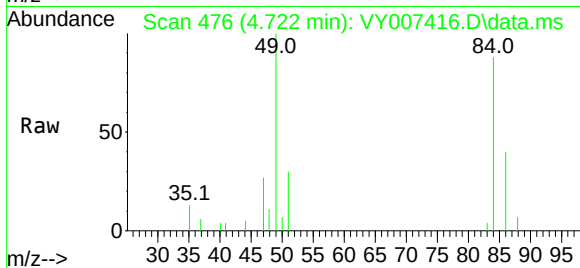
Ion Ratio Lower Upper

84 100

49 113.4 114.4 171.6#

51 33.7 35.3 52.9#

86 44.9 53.7 80.5#



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY007416.D

Acq: 07 Feb 2022 16:29

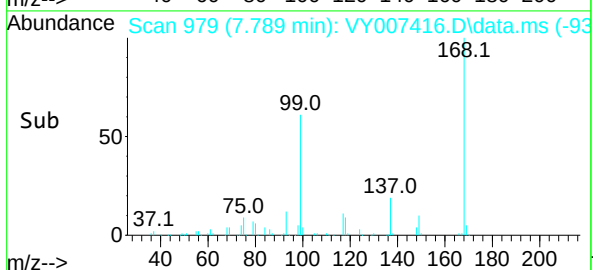
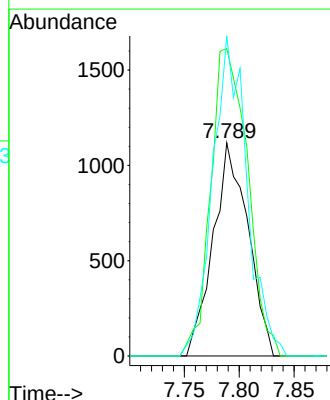
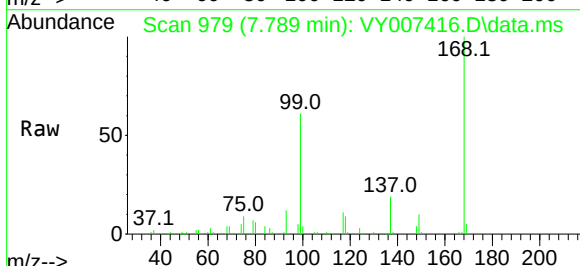
Tgt Ion: 56 Resp: 2469

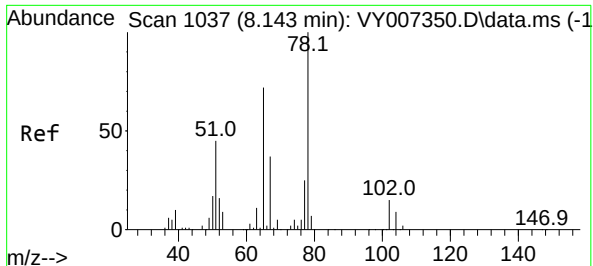
Ion Ratio Lower Upper

56 100

69 144.3 26.7 40.1#

84 150.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.034 ug/l

RT: 8.148 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007416.D

Acq: 07 Feb 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

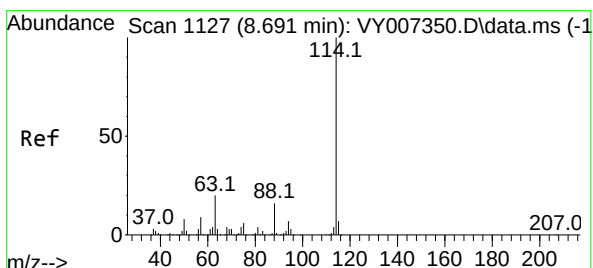
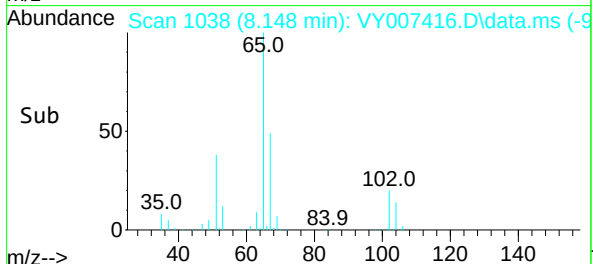
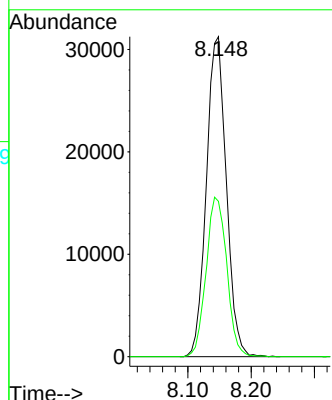
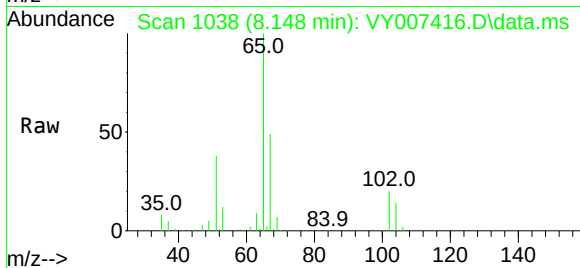
SB-1

Tgt Ion: 65 Resp: 68503

Ion Ratio Lower Upper

65 100

67 51.7 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: VY007416.D

Acq: 07 Feb 2022 16:29

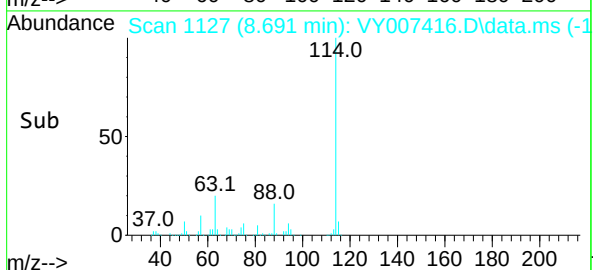
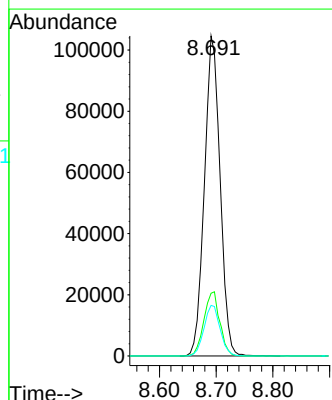
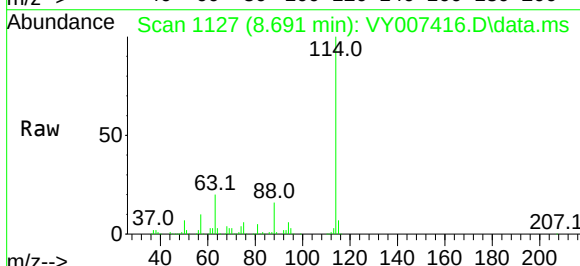
Tgt Ion: 114 Resp: 201180

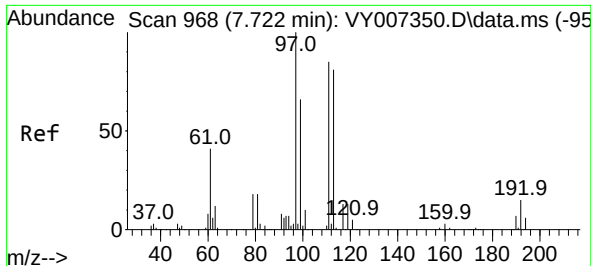
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.8 0.0 31.8

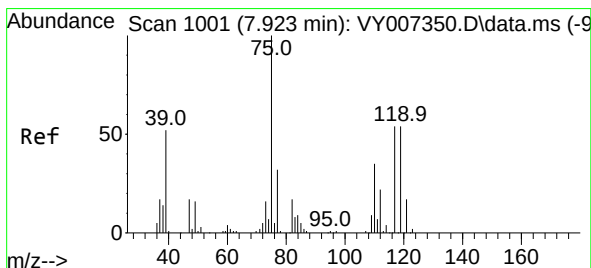
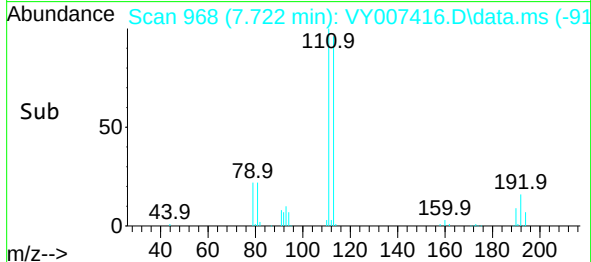
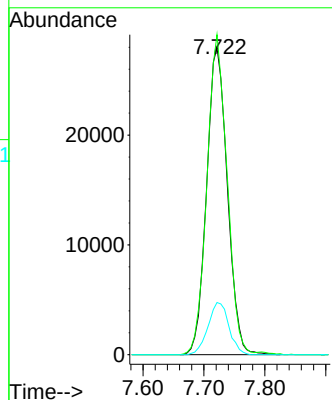
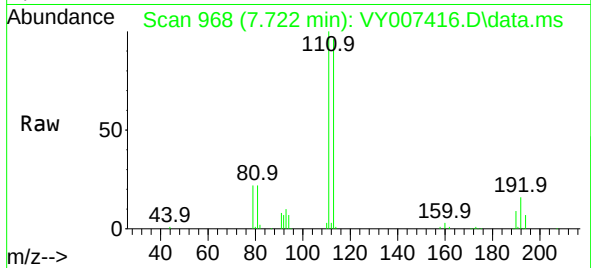




#35
Dibromofluoromethane
Concen: 51.278 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

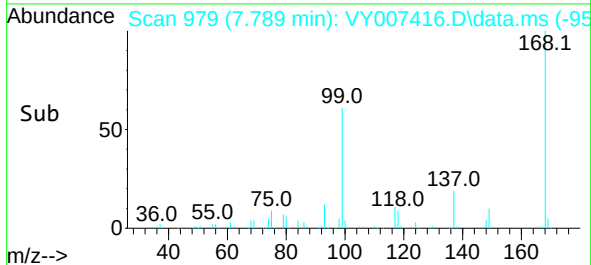
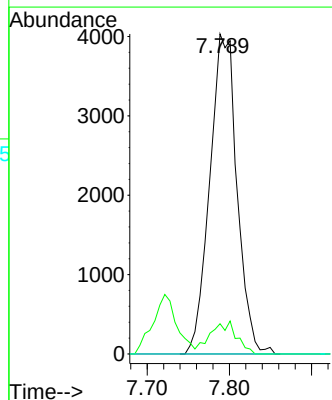
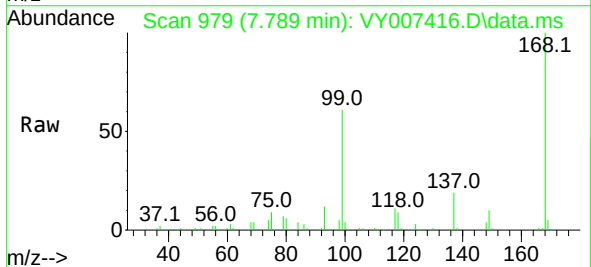
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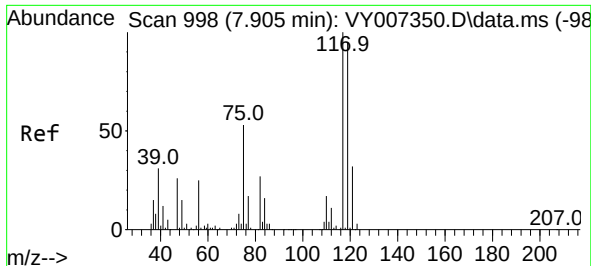
Tgt Ion:113 Resp: 66243
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 17.1 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.106 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

Tgt Ion: 75 Resp: 9274
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

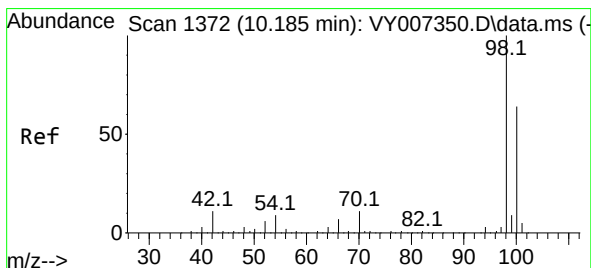
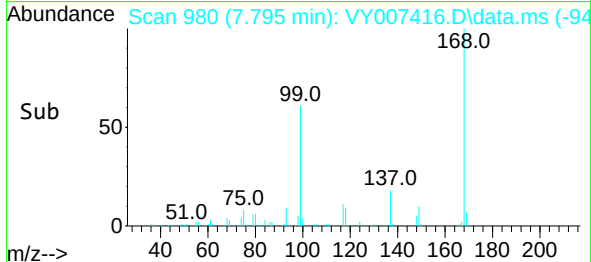
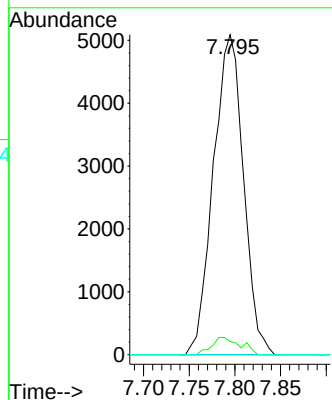
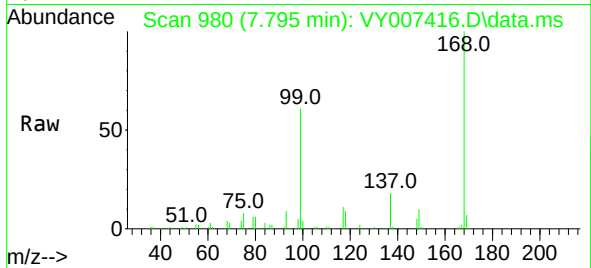




#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

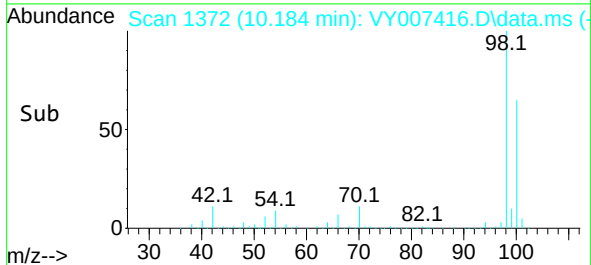
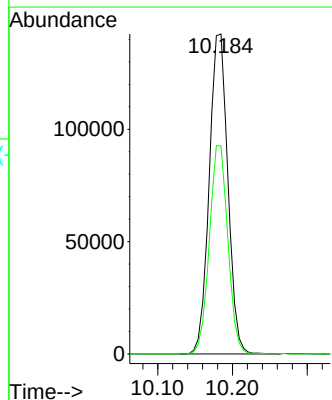
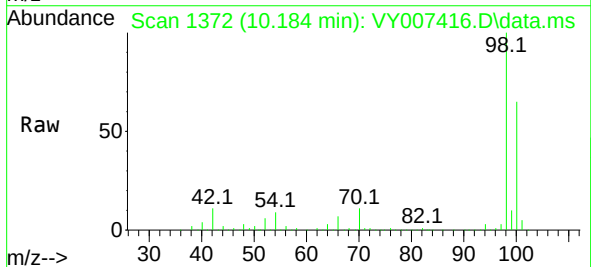
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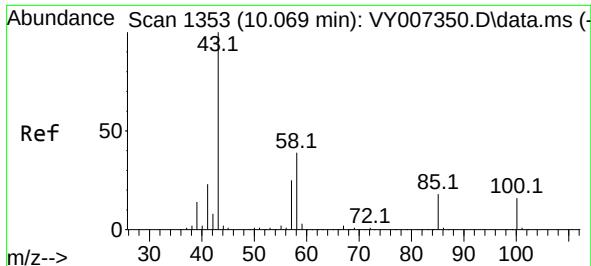
Tgt Ion:117 Resp: 11665
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.575 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

Tgt Ion: 98 Resp: 246154
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

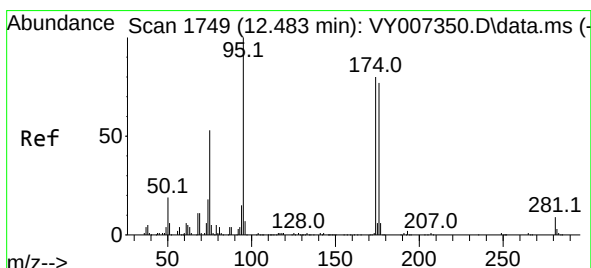
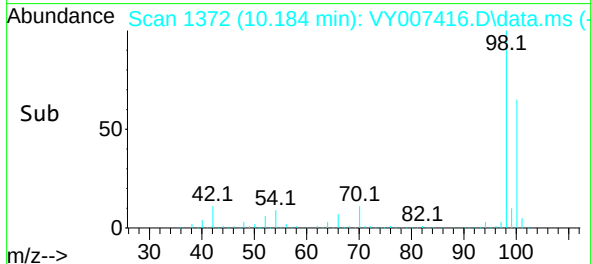
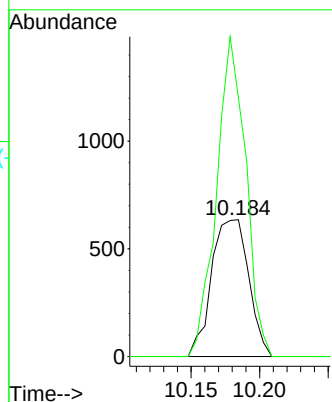
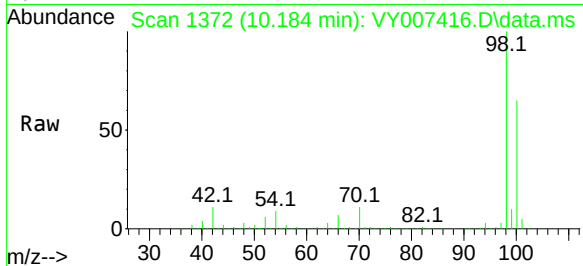




#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.184 min Scan# 1197
Delta R.T. 0.115 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

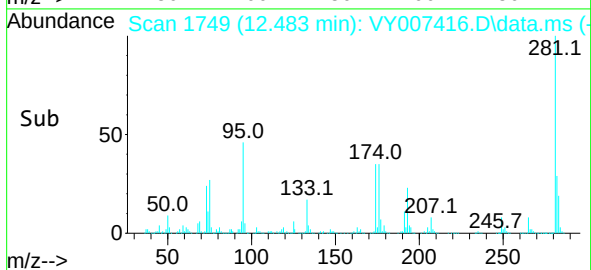
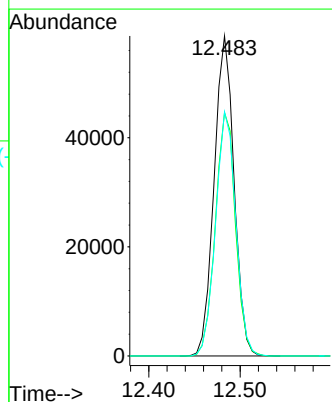
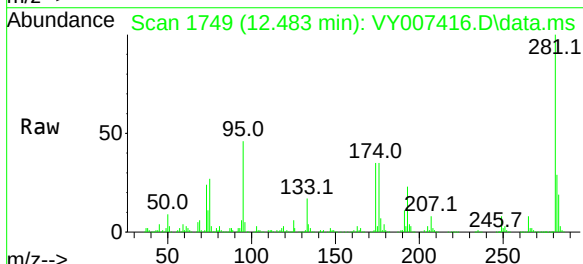
Instrument :
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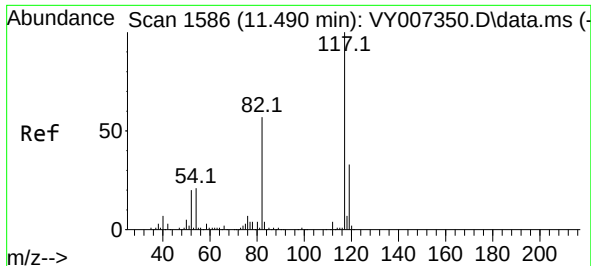
Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 184.5 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 54.884 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007416.D
Acq: 07 Feb 2022 16:29

Tgt Ion: 95 Resp: 89034
Ion Ratio Lower Upper
95 100
174 76.8 0.0 177.0
176 77.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007416.D

Acq: 07 Feb 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

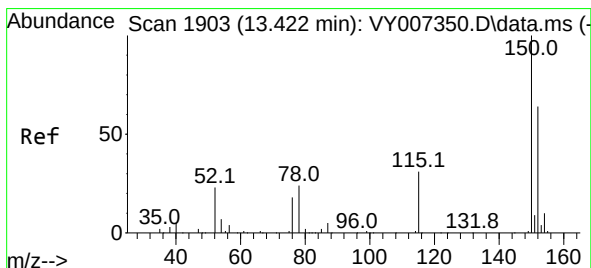
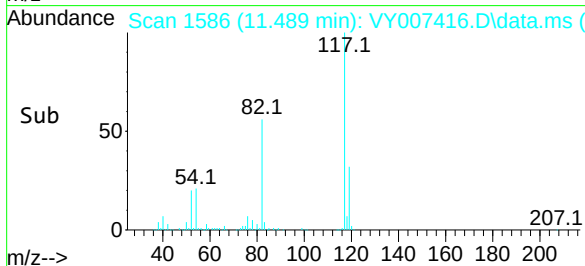
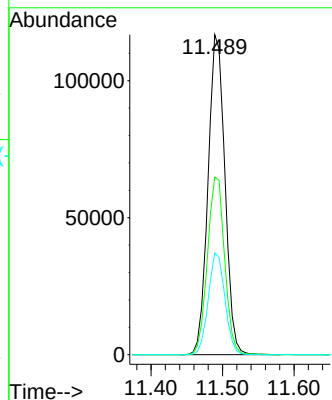
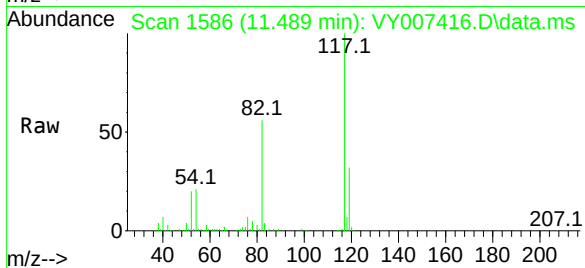
Tgt Ion:117 Resp: 191337

Ion Ratio Lower Upper

117 100

82 55.6 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY007416.D

Acq: 07 Feb 2022 16:29

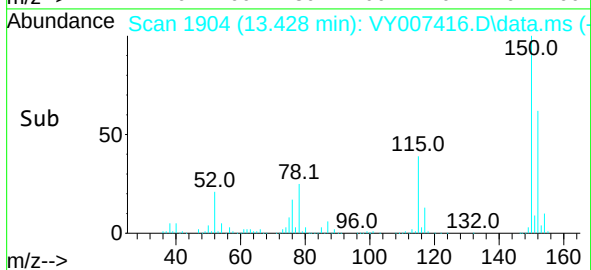
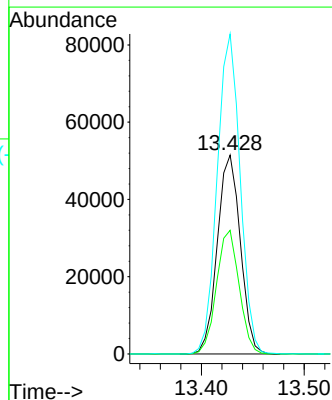
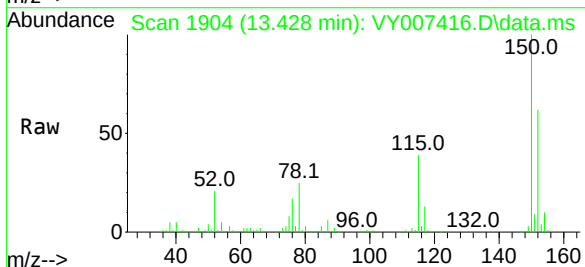
Tgt Ion:152 Resp: 79995

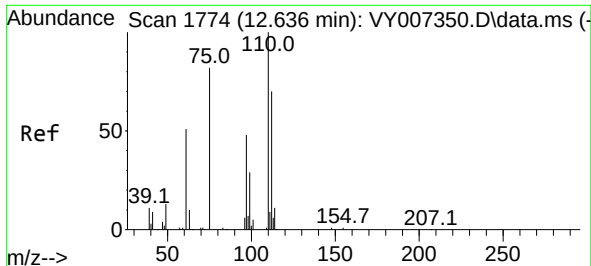
Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 160.4 0.0 347.6

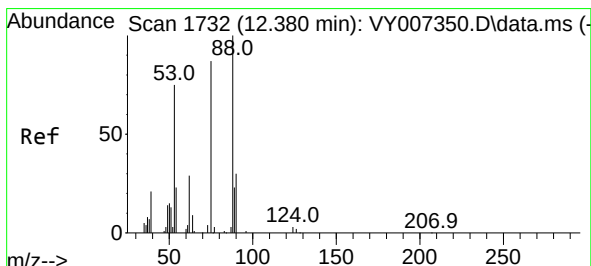
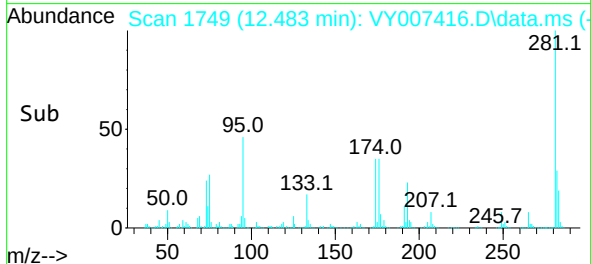
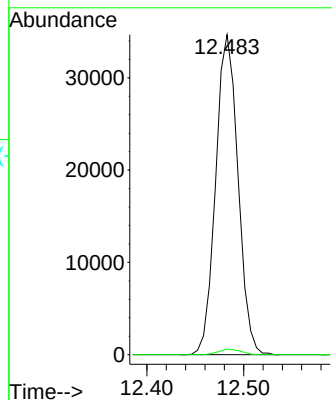
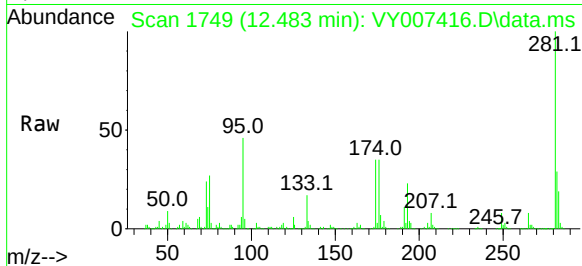




#76
 1,2,3-Trichloropropane
 Concen: 58.338 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY007416.D
 Acq: 07 Feb 2022 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Tgt Ion: 75 Resp: 55479
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.876 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY007416.D
 Acq: 07 Feb 2022 16:29

Tgt Ion: 75 Resp: 55479
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

