

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051122\
 Data File : VD072936.D
 Acq On : 11 May 2022 17:44
 Operator : VA/SY
 Sample : N2749-10
 Misc : 4.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: May 12 04:14:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

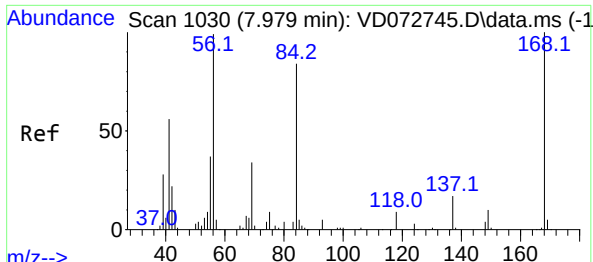
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.850	114	1131	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.644	117	678	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.538	152	58	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	392	40.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.940%
35) Dibromofluoromethane	7.920	113	112	14.100	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	28.200%#
50) Toluene-d8	10.338	98	1027	36.044	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.080%
62) 4-Bromofluorobenzene	12.608	95	230	21.649	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	43.300%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	3.973	96	57	6.414	ug/l #	1
14) Allyl chloride	4.656	41	54	3.764	ug/l #	22
24) 1,1-Dichloroethane	6.432	63	55	2.900	ug/l #	82
29) Tetrahydrofuran	7.485	42	58	32.644	ug/l #	38
48) Methyl methacrylate	9.456	41	54	10.072	ug/l #	19
51) 4-Methyl-2-Pentanone	10.273	43	77	13.522	ug/l #	39
61) 1,2-Dibromoethane	11.085	107	67	9.424	ug/l #	3
67) Ethyl Benzene	11.738	91	88	3.243	ug/l #	44
73) Isopropylbenzene	12.526	105	63	13.961	ug/l #	49
74) N-amyl acetate	12.279	43	150	133.479	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.697	83	59	64.770	ug/l #	25
78) n-propylbenzene	12.832	91	243	42.726	ug/l #	54
79) 2-Chlorotoluene	12.873	91	111	33.411	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.885	105	76	19.862	ug/l #	29
82) 4-Chlorotoluene	12.985	91	365	105.149	ug/l #	42
83) tert-Butylbenzene	13.208	119	108	33.200	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.261	105	110	28.761	ug/l #	32
85) sec-Butylbenzene	13.379	105	64	13.044	ug/l #	1
86) p-Isopropyltoluene	13.549	119	62	15.413	ug/l #	1
89) n-Butylbenzene	13.838	91	91	23.352	ug/l #	33
90) Hexachloroethane	14.126	117	58	70.381	ug/l #	17
95) Naphthalene	15.596	128	79	38.565	ug/l #	70

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

Quant Time: May 12 04:14:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. 0.000 min

Lab File: VD072936.D

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Instrument :

MSVOA_D

ClientSampleId :

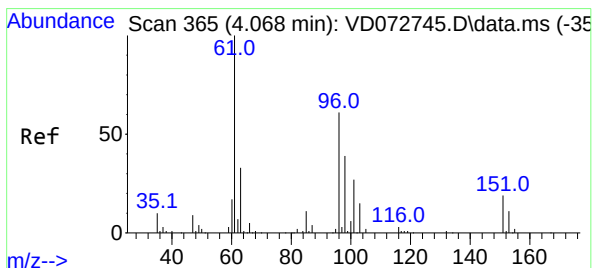
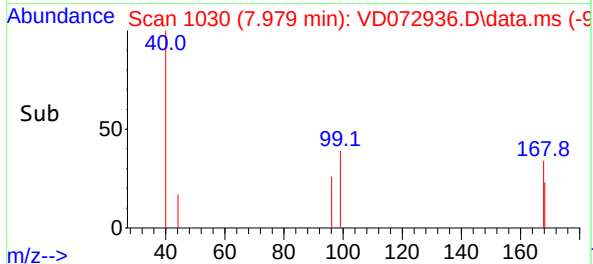
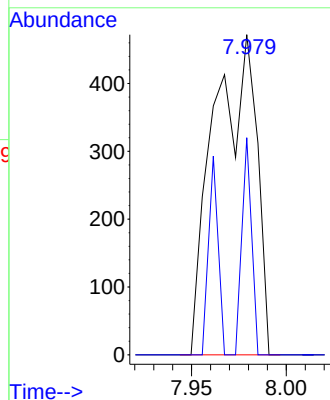
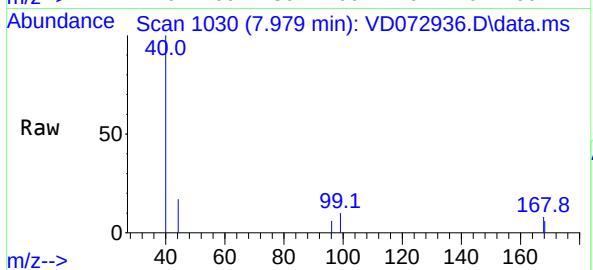
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Tgt Ion:168 Resp: 737

Ion Ratio Lower Upper

168 100

99 67.8 49.8 74.6



#12

1,1-Dichloroethene

Concen: 6.414 ug/l

RT: 3.973 min Scan# 349

Delta R.T. -0.095 min

Lab File: VD072936.D

Acq: 11 May 2022 17:44

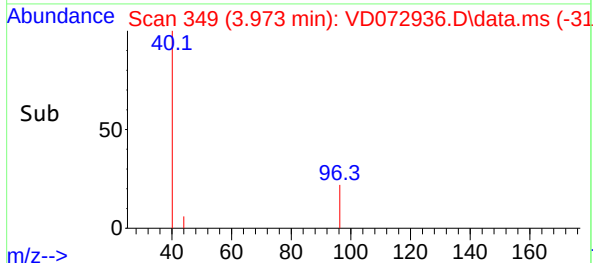
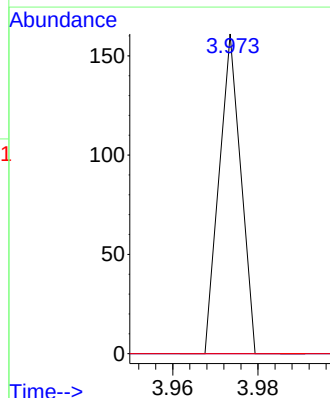
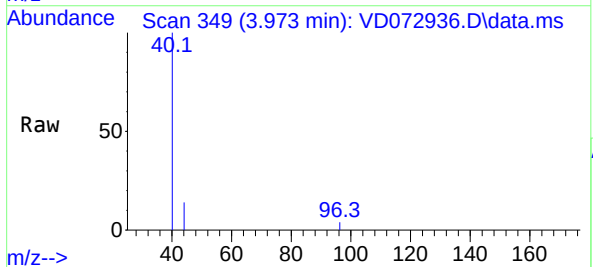
Tgt Ion: 96 Resp: 57

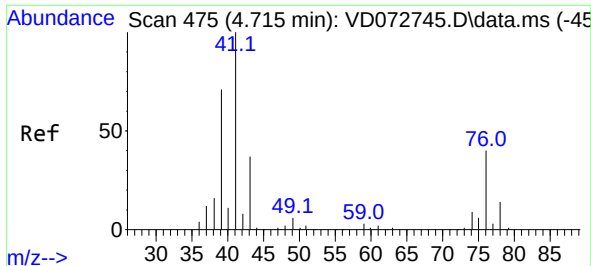
Ion Ratio Lower Upper

96 100

61 0.0 138.5 207.7#

98 0.0 48.6 73.0#

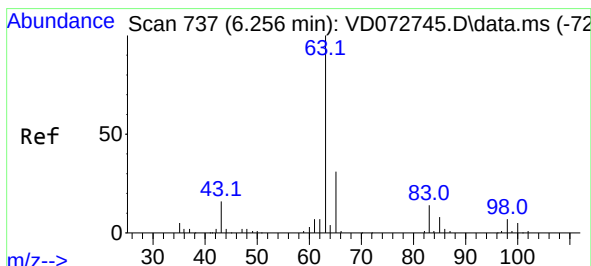
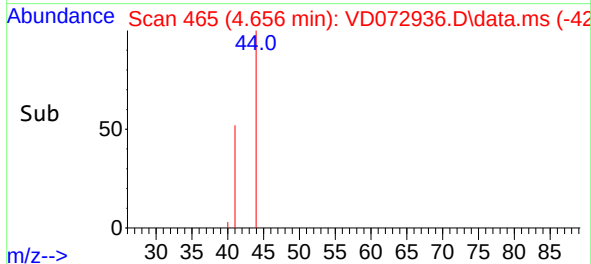
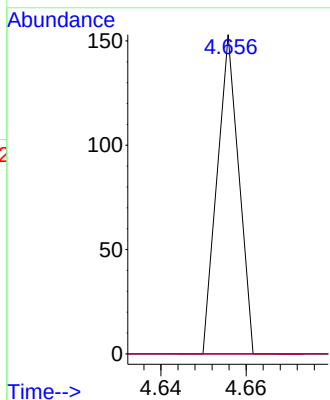
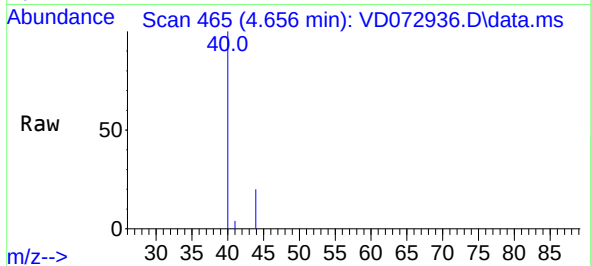




#14
 Allyl chloride
 Concen: 3.764 ug/l
 RT: 4.656 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: VD072936.D
 Acq: 11 May 2022 17:44

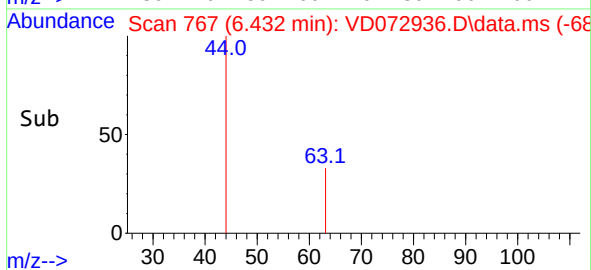
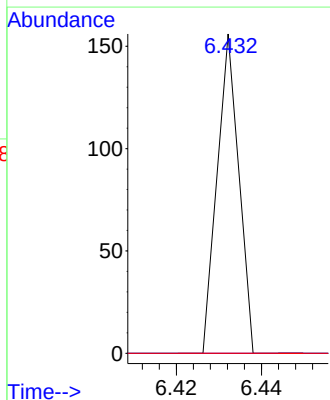
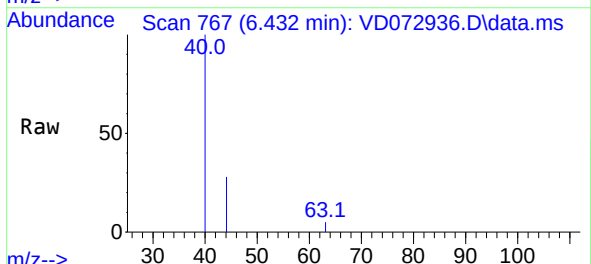
Instrument :
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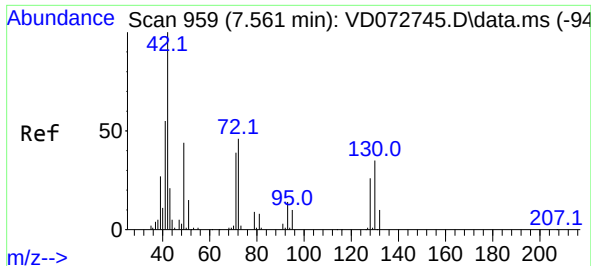
Tgt Ion: 41 Resp: 54
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#24
 1,1-Dichloroethane
 Concen: 2.900 ug/l
 RT: 6.432 min Scan# 767
 Delta R.T. 0.176 min
 Lab File: VD072936.D
 Acq: 11 May 2022 17:44

Tgt Ion: 63 Resp: 55
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.9#
 100 0.0 2.1 6.5#





#29

Tetrahydrofuran

Concen: 32.644 ug/l

RT: 7.485 min Scan# 94

Delta R.T. -0.076 min

Lab File: VD072936.D

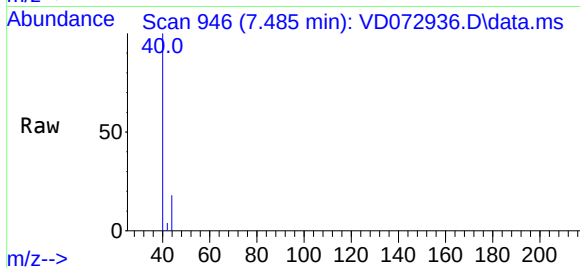
Acq: 11 May 2022 17:44

Instrument :

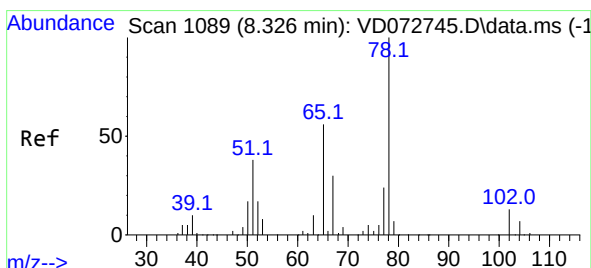
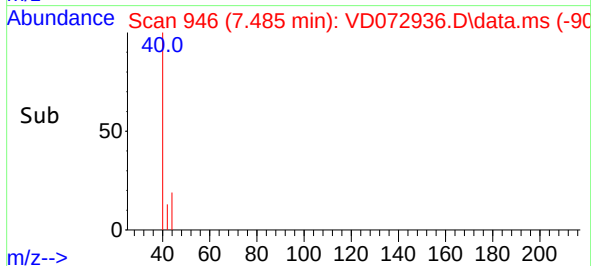
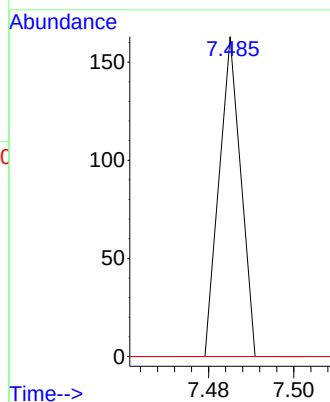
MSVOA_D

ClientSampleId :

TP-4



Tgt Ion:	42	Resp:	58
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#33

1,2-Dichloroethane-d4

Concen: 40.975 ug/l

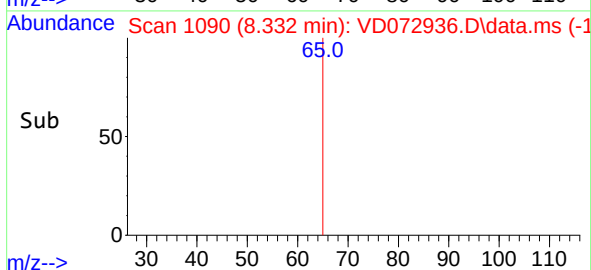
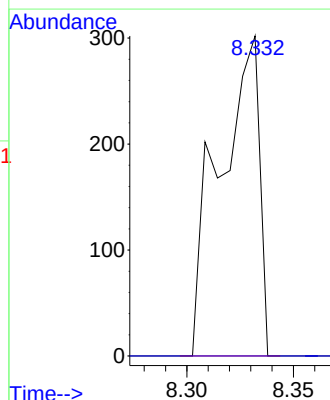
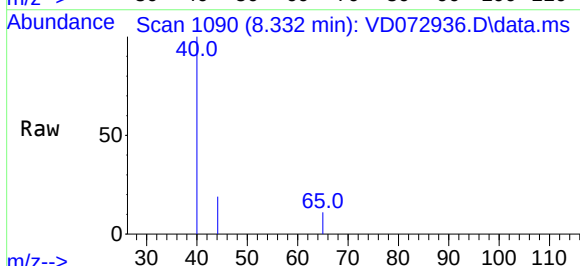
RT: 8.332 min Scan# 1090

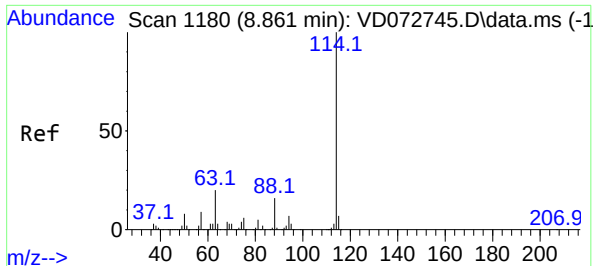
Delta R.T. 0.006 min

Lab File: VD072936.D

Acq: 11 May 2022 17:44

Tgt Ion:	65	Resp:	392
Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	101.4

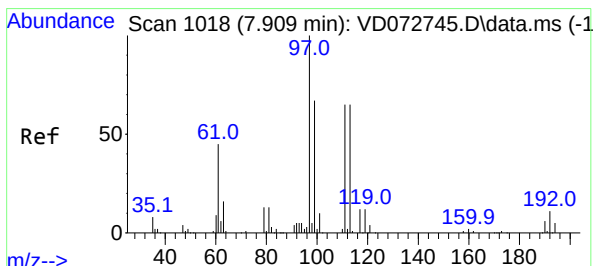
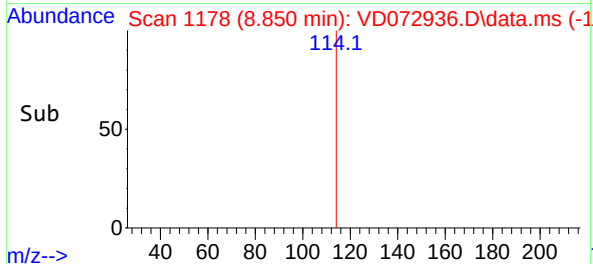
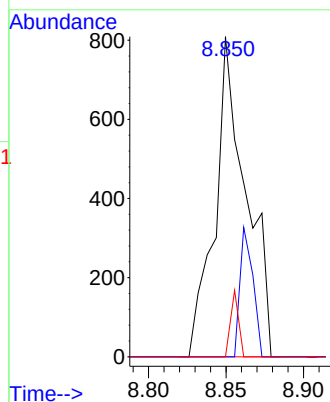
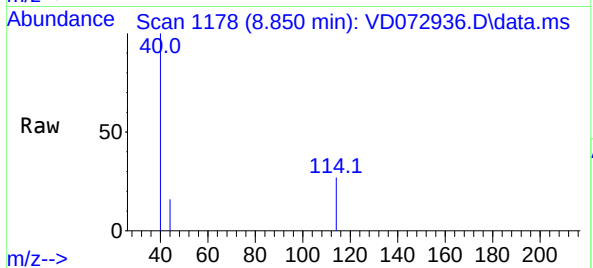




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.850 min Scan# 1180
Delta R.T. -0.011 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

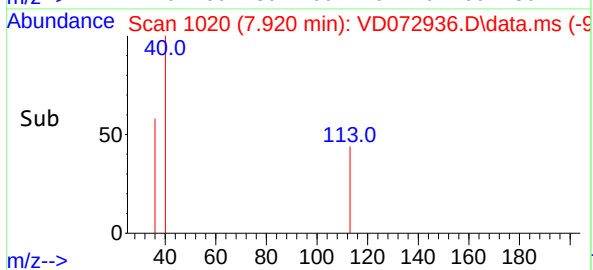
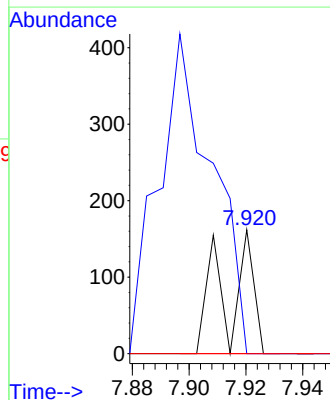
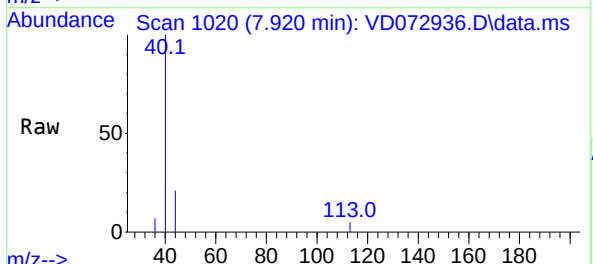
Instrument :
MSVOA_D
ClientSampleId :
TP-4

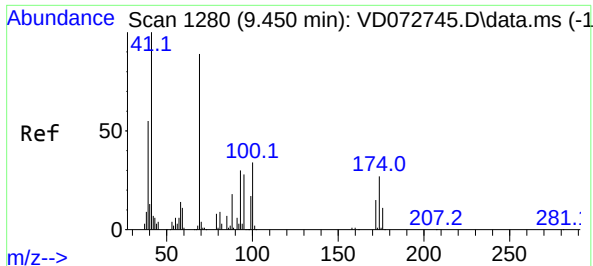
Tgt Ion:114	Resp:	1131
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 46.6
88	0.0	0.0 33.2



#35
Dibromofluoromethane
Concen: 14.100 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.011 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion:113	Resp:	112
Ion	Ratio	Lower Upper
113	100	
111	0.0	83.8 125.6#
192	0.0	14.6 21.8#





#48

Methyl methacrylate

Concen: 10.072 ug/l

RT: 9.456 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072936.D

Acq: 11 May 2022 17:44

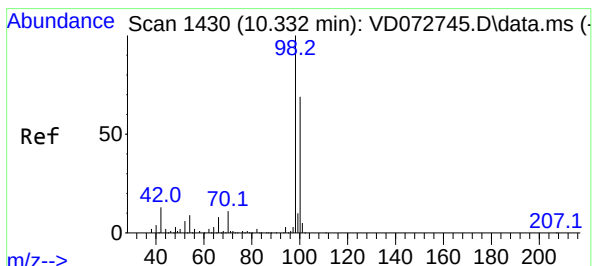
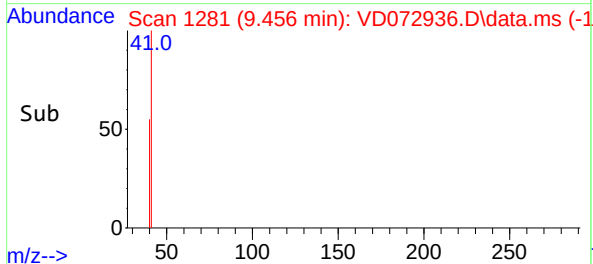
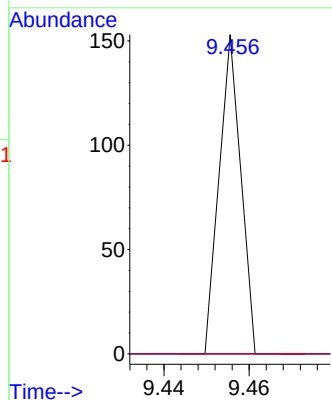
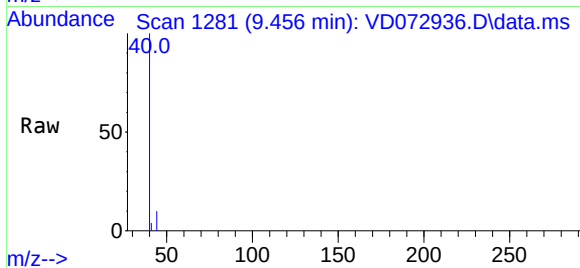
Instrument :

MSVOA_D

ClientSampleId :

TP-4

Tgt Ion: 41	Resp: 54
Ion Ratio	Lower Upper
41	100
69	0.0 56.7 85.1#
39	0.0 42.7 64.1#



#50

Toluene-d8

Concen: 36.044 ug/l

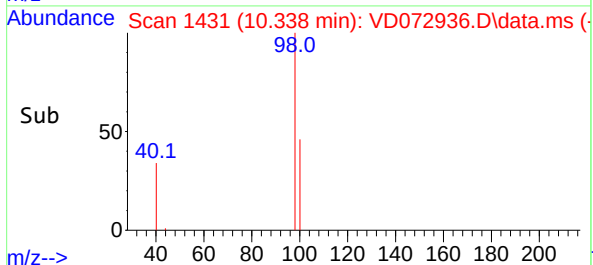
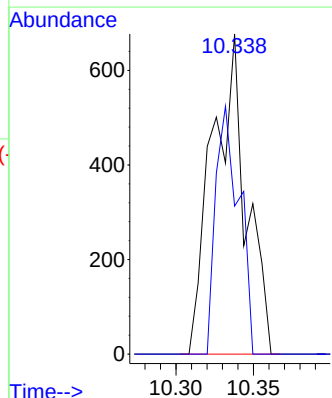
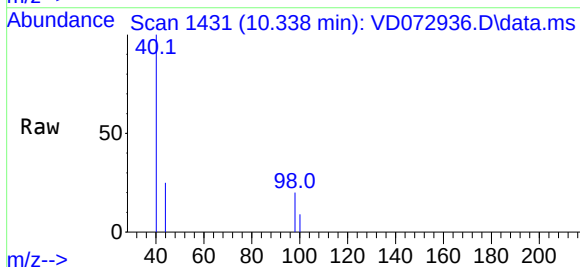
RT: 10.338 min Scan# 1431

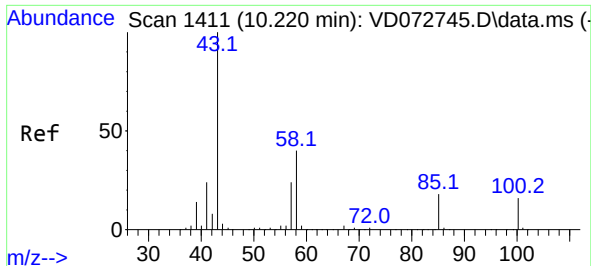
Delta R.T. 0.006 min

Lab File: VD072936.D

Acq: 11 May 2022 17:44

Tgt Ion: 98	Resp: 1027
Ion Ratio	Lower Upper
98	100
100	53.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 13.522 ug/l

RT: 10.273 min Scan# 1411

Delta R.T. 0.053 min

Lab File: VD072936.D

Acq: 11 May 2022 17:44

Instrument :

MSVOA_D

ClientSampleId :

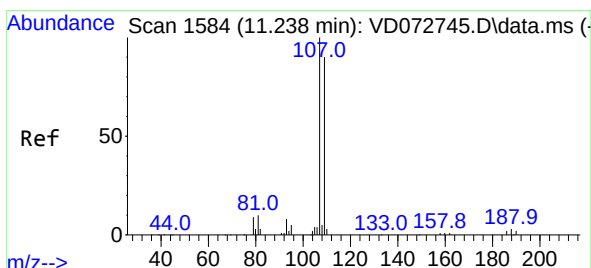
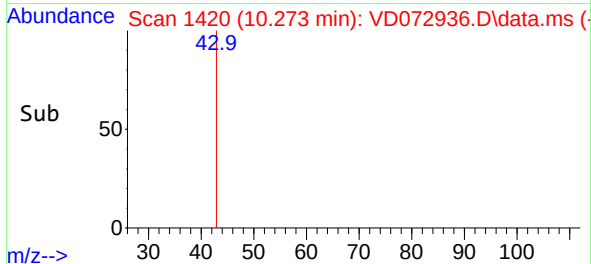
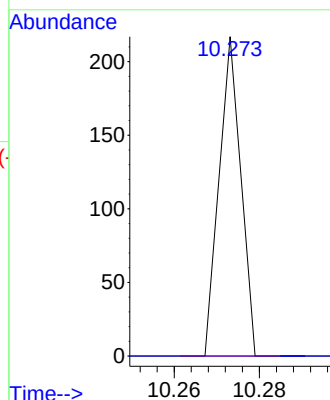
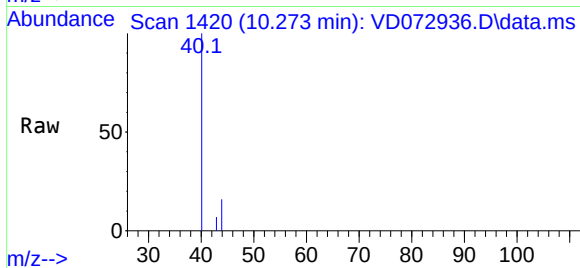
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Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#61

1,2-Dibromoethane

Concen: 9.424 ug/l

RT: 11.085 min Scan# 1558

Delta R.T. -0.153 min

Lab File: VD072936.D

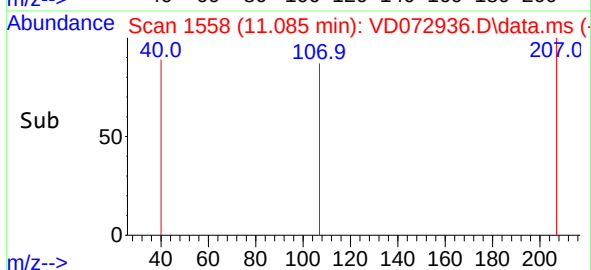
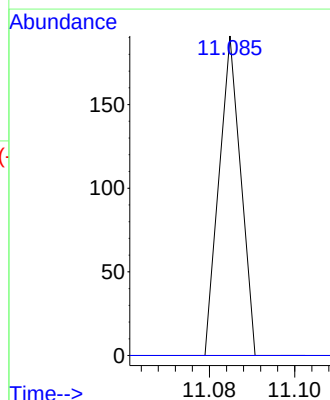
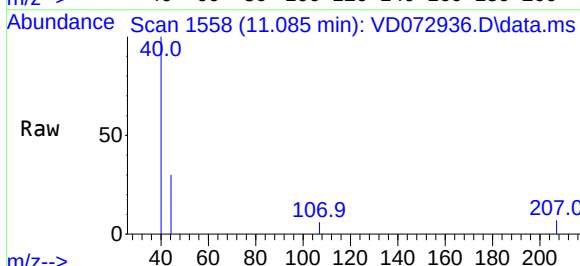
Acq: 11 May 2022 17:44

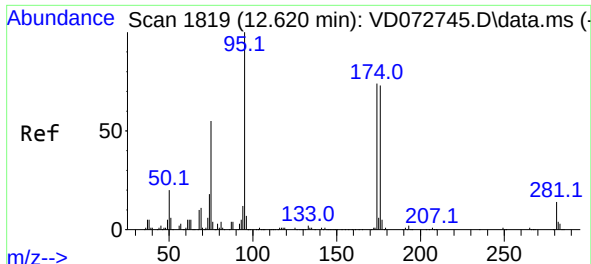
Tgt Ion: 107 Resp: 67

Ion Ratio Lower Upper

107 100

109 0.0 74.2 111.4#

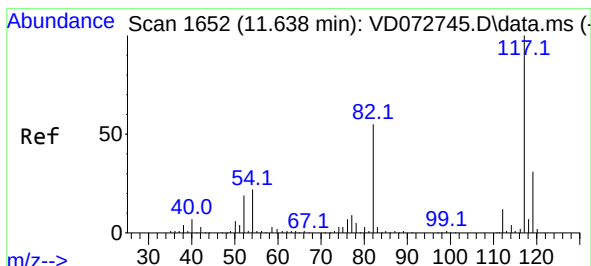
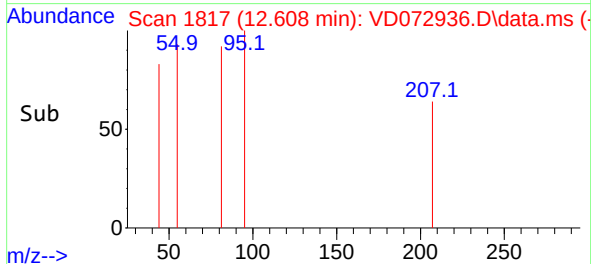
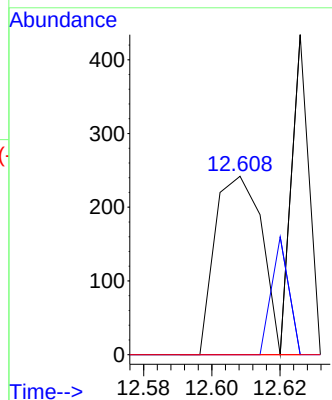
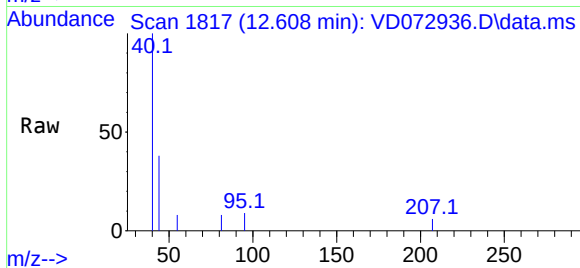




#62
4-Bromofluorobenzene
Concen: 21.649 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. -0.012 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

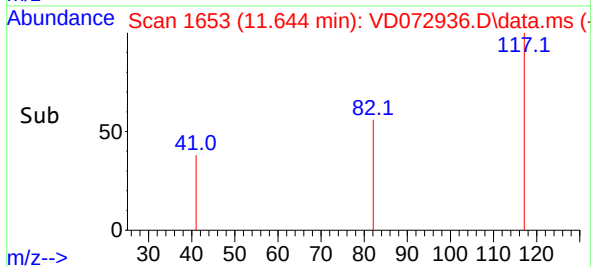
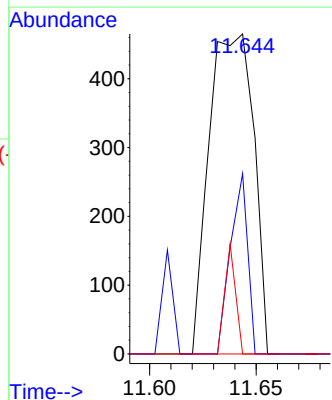
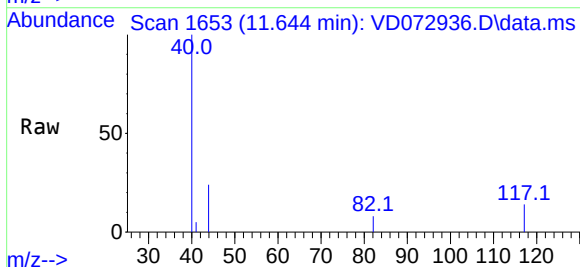
Instrument :
MSVOA_D
ClientSampleId :
TP-4

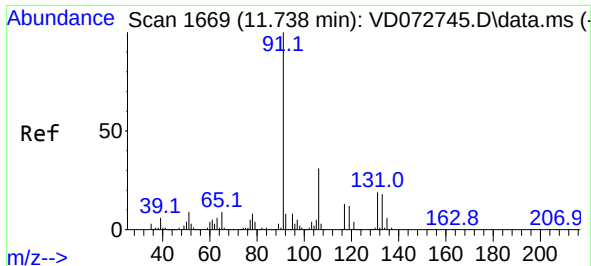
Tgt Ion:	95	Resp:	230
Ion Ratio	100	Lower	Upper
174	0.0	0.0	152.8
176	0.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion:	117	Resp:	678
Ion Ratio	100	Lower	Upper
82	56.3	45.3	67.9
119	0.0	26.6	40.0#

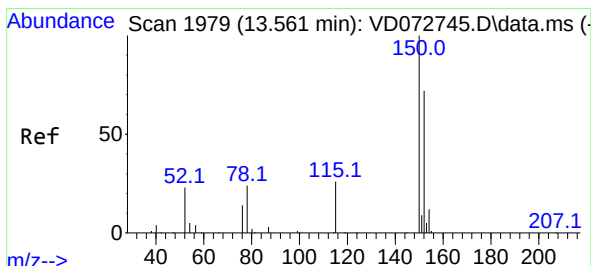
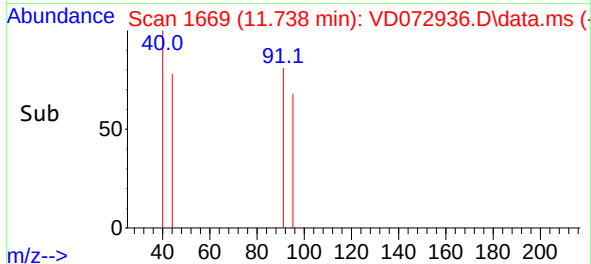
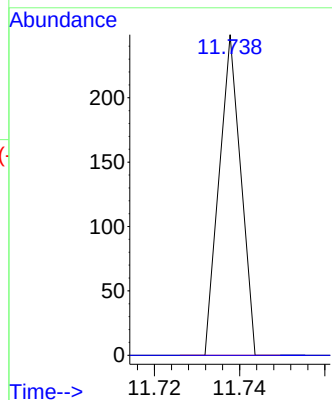
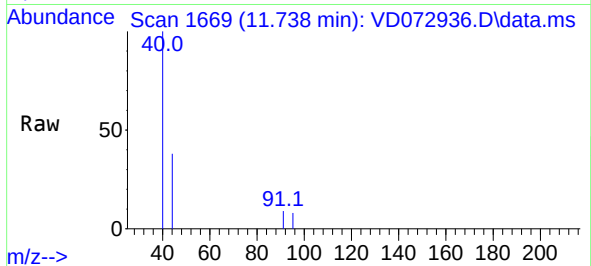




#67
Ethyl Benzene
Concen: 3.243 ug/l
RT: 11.738 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

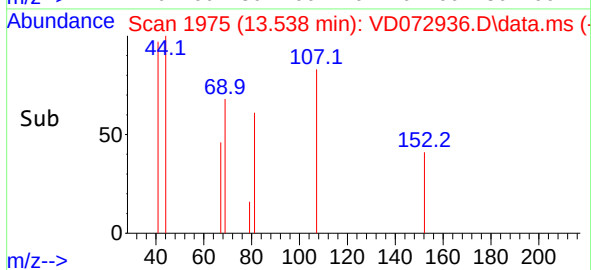
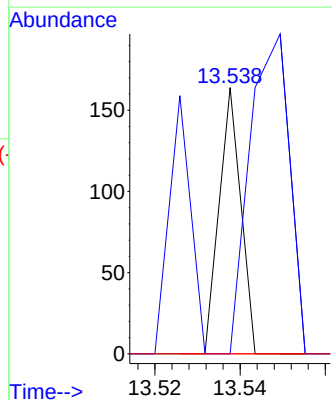
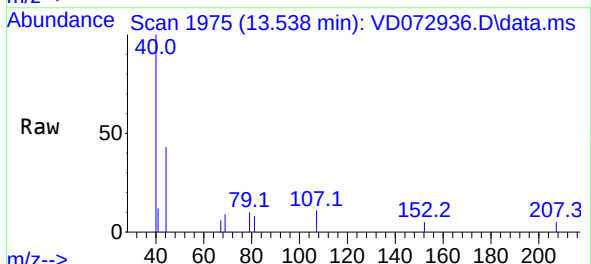
Instrument :
MSVOA_D
ClientSampleId :
TP-4

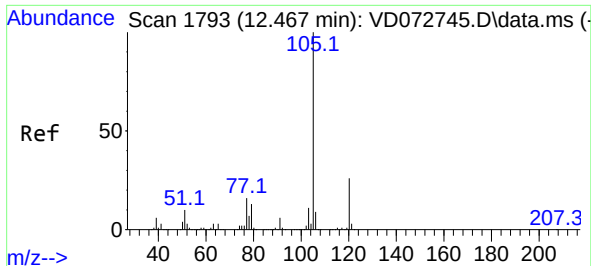
Tgt Ion: 91 Resp: 88
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.538 min Scan# 1975
Delta R.T. -0.023 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion: 152 Resp: 58
Ion Ratio Lower Upper
152 100
115 219.0 31.3 93.8#
150 0.0 0.0 348.6

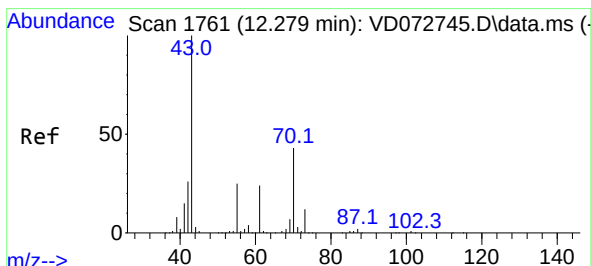
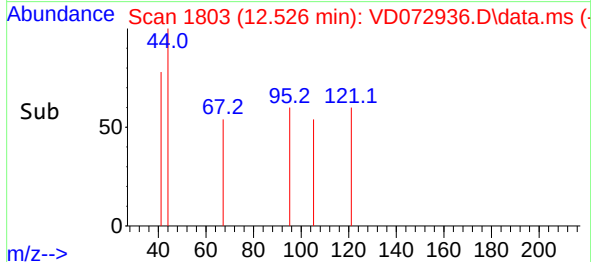
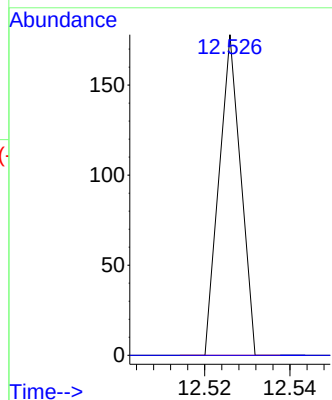
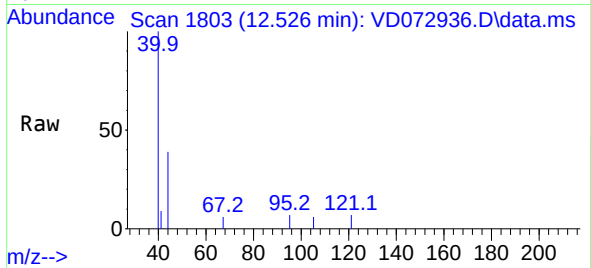




#73
Isopropylbenzene
Concen: 13.961 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.059 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

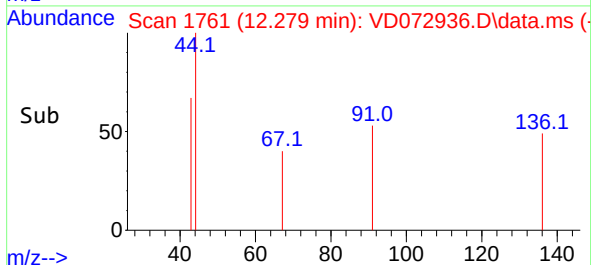
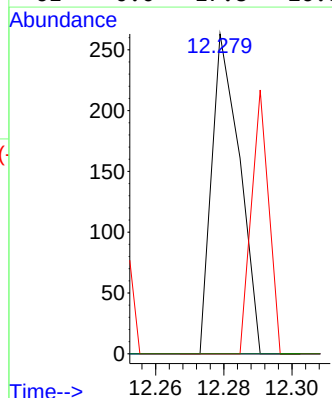
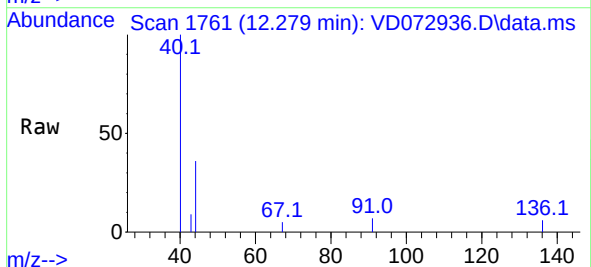
Instrument :
MSVOA_D
ClientSampleId :
TP-4

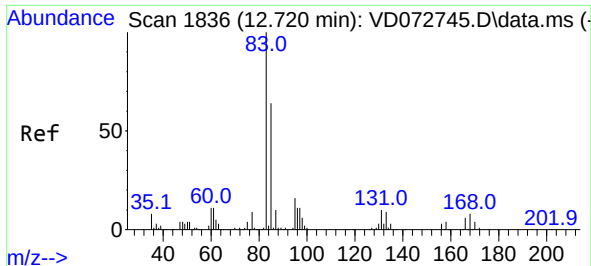
Tgt Ion:105 Resp: 63
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#



#74
N-ethyl acetate
Concen: 133.479 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 51.3 20.0 30.0#
61 0.0 17.8 26.8#

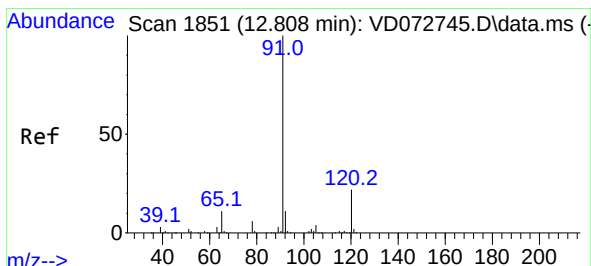
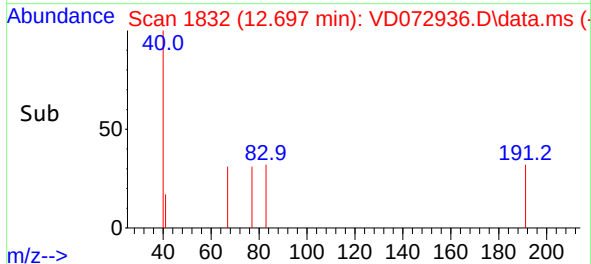
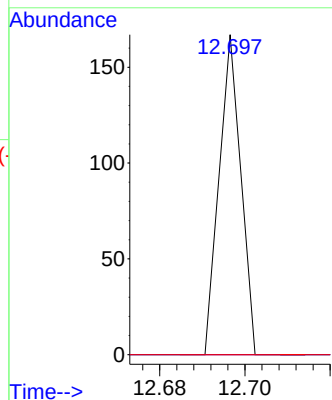
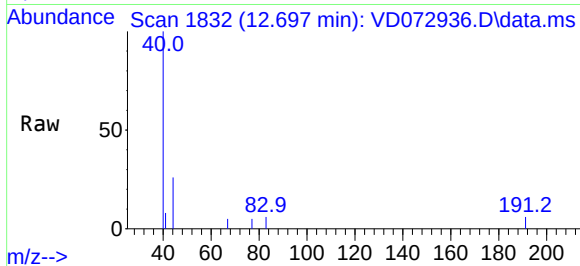




#75
1,1,2-Tetrachloroethane
Concen: 64.770 ug/l
RT: 12.697 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

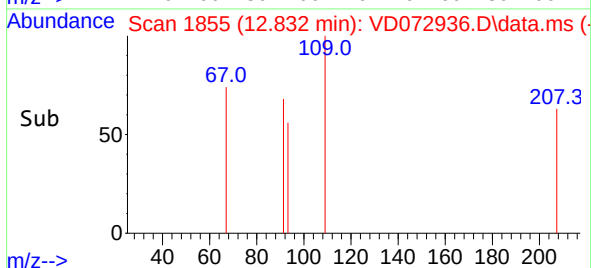
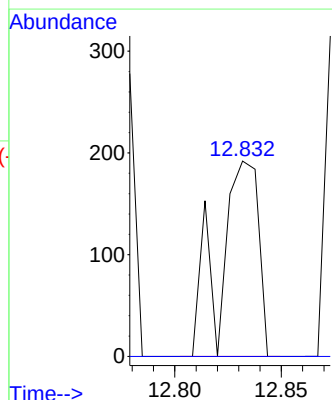
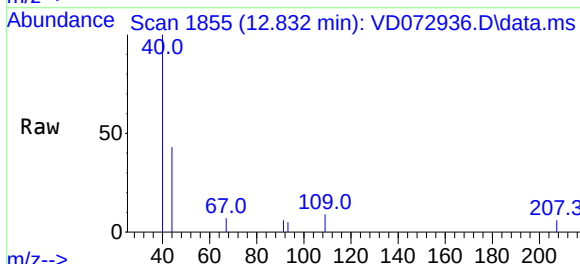
Instrument :
MSVOA_D
ClientSampleId :
TP-4

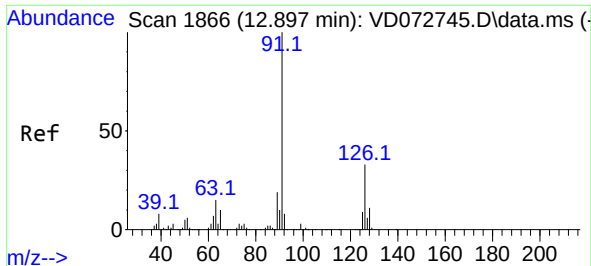
Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.6 98.0#



#78
n-propylbenzene
Concen: 42.726 ug/l
RT: 12.832 min Scan# 1855
Delta R.T. 0.024 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion: 91 Resp: 243
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#

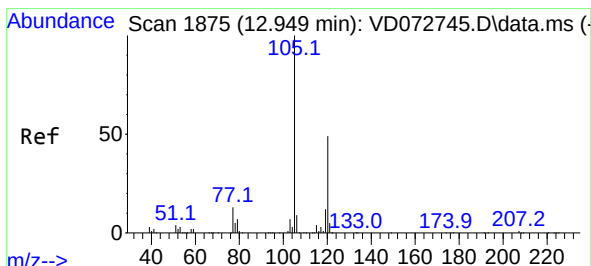
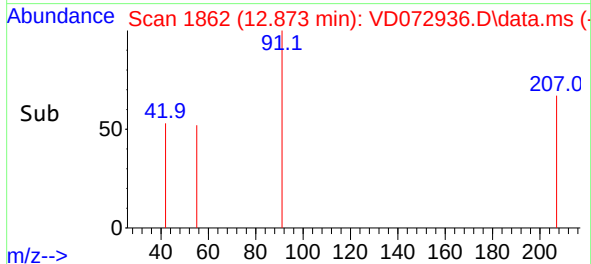
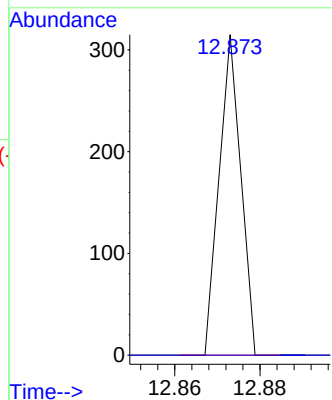
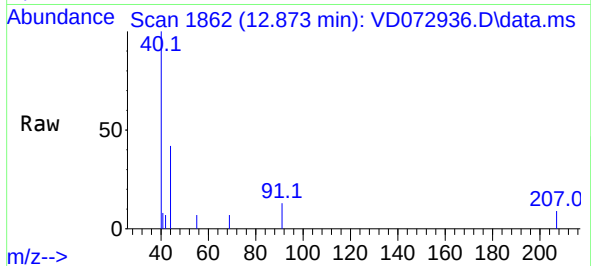




#79
2-Chlorotoluene
Concen: 33.411 ug/l
RT: 12.873 min Scan# 1862
Delta R.T. -0.024 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

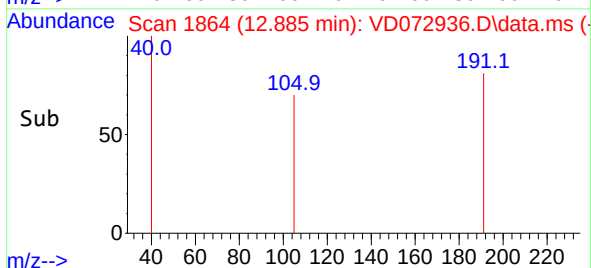
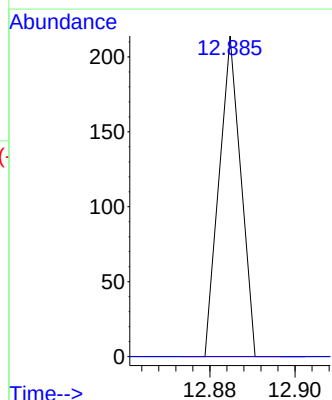
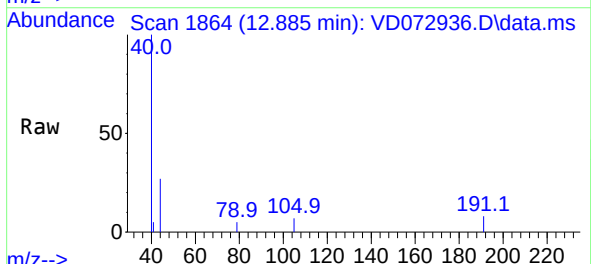
Instrument :
MSVOA_D
ClientSampleId :
TP-4

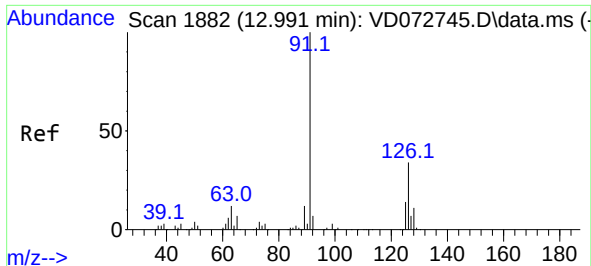
Tgt Ion: 91 Resp: 111
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#80
1,3,5-Trimethylbenzene
Concen: 19.862 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.064 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion: 105 Resp: 76
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.8#

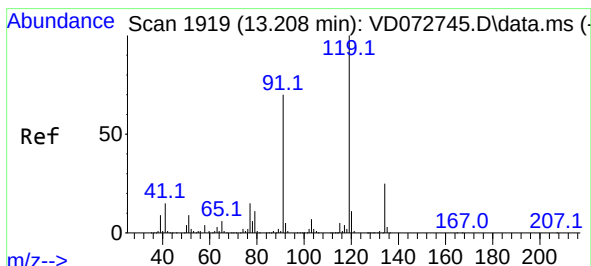
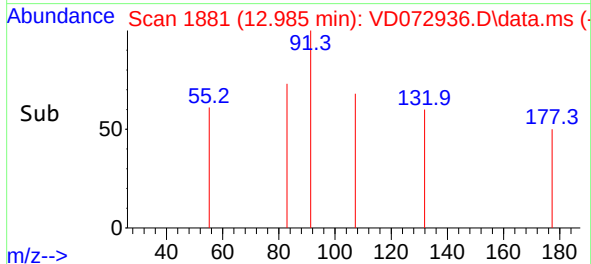
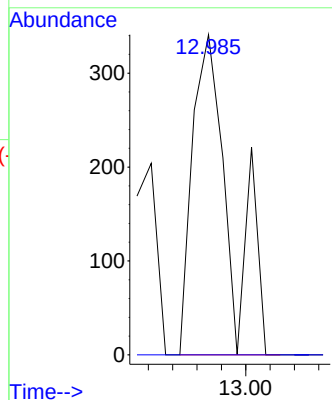
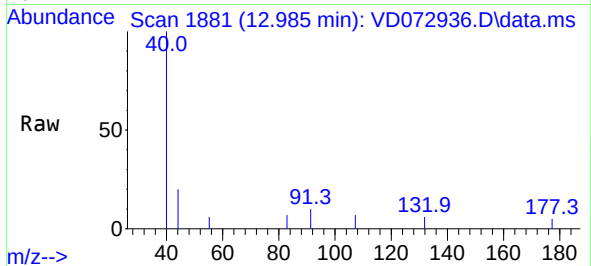




#82
4-Chlorotoluene
Concen: 105.149 ug/l
RT: 12.985 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

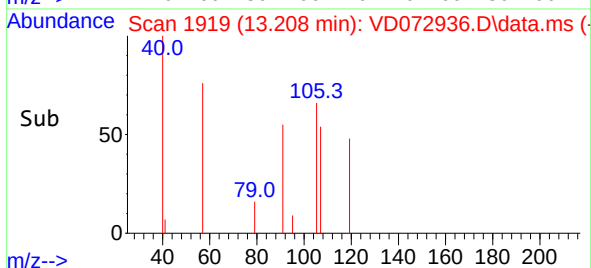
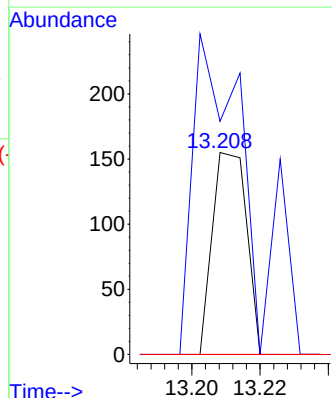
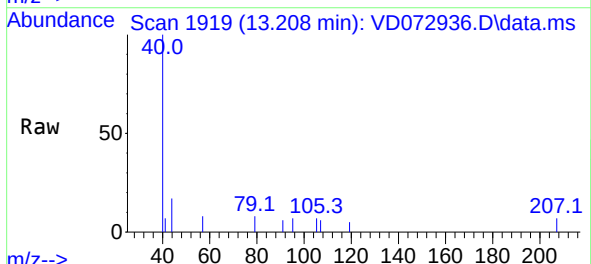
Instrument :
MSVOA_D
ClientSampleId :
TP-4

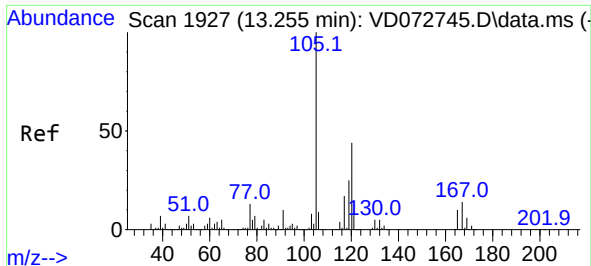
Tgt Ion: 91 Resp: 365
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#83
tert-Butylbenzene
Concen: 33.200 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion: 119 Resp: 108
Ion Ratio Lower Upper
119 100
91 258.3 34.8 104.5#
134 0.0 13.3 39.9#

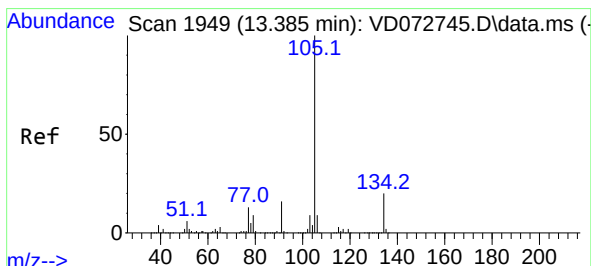
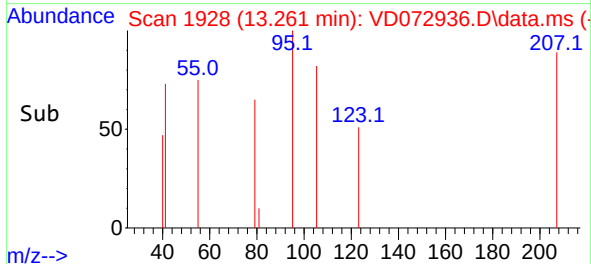
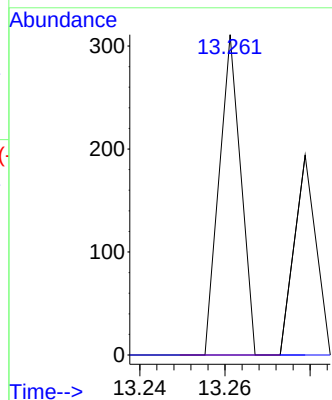
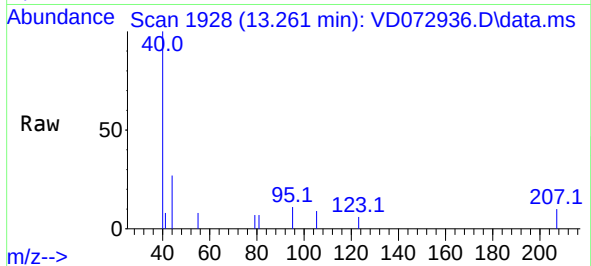




#84
1,2,4-Trimethylbenzene
Concen: 28.761 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

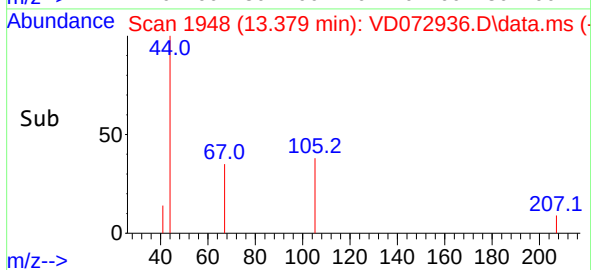
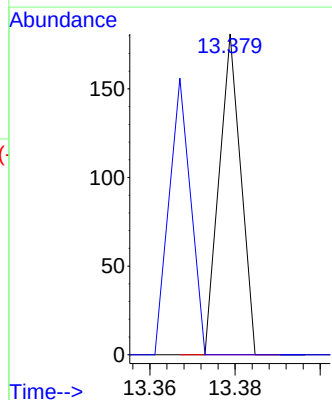
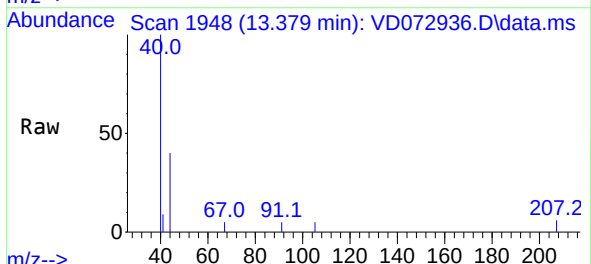
Instrument :
MSVOA_D
ClientSampleId :
TP-4

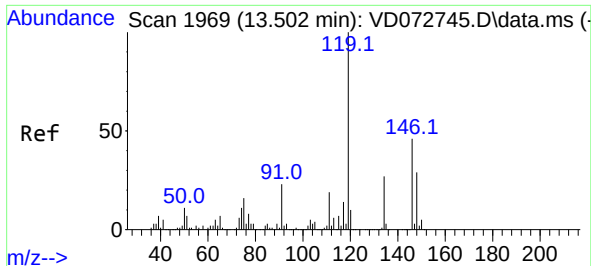
Tgt Ion:105 Resp: 110
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#



#85
sec-Butylbenzene
Concen: 13.044 ug/l
RT: 13.379 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion:105 Resp: 64
Ion Ratio Lower Upper
105 100
134 85.9 9.8 29.3#

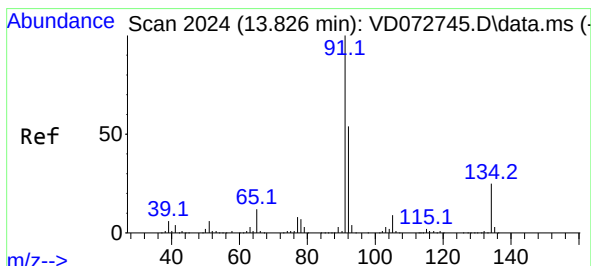
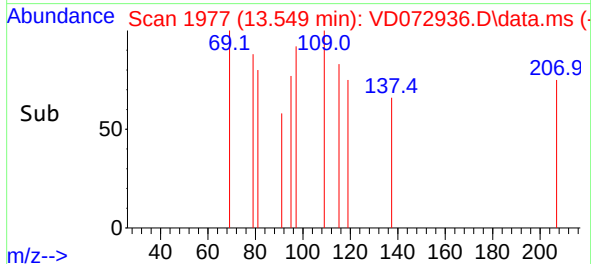
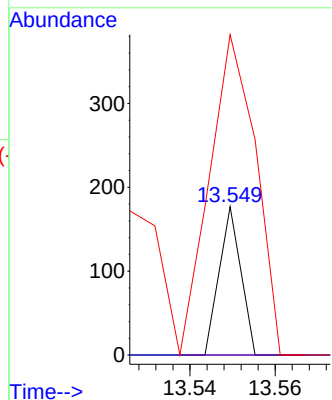
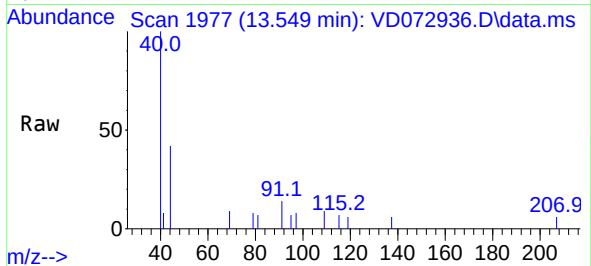




#86
p-Isopropyltoluene
Concen: 15.413 ug/l
RT: 13.549 min Scan# 1969
Delta R.T. 0.047 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

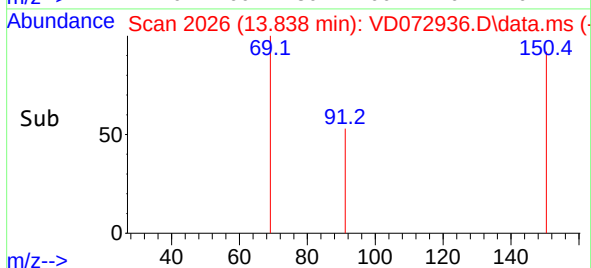
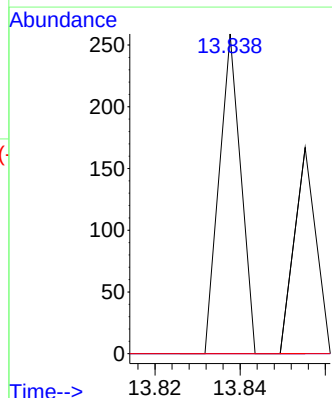
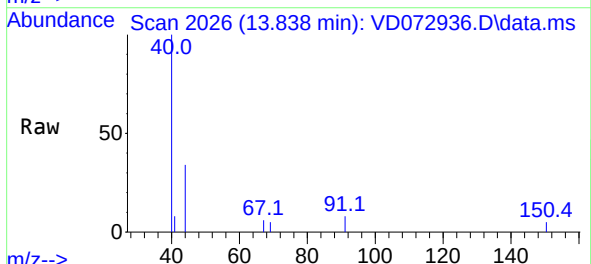
Instrument :
MSVOA_D
ClientSampleId :
TP-4

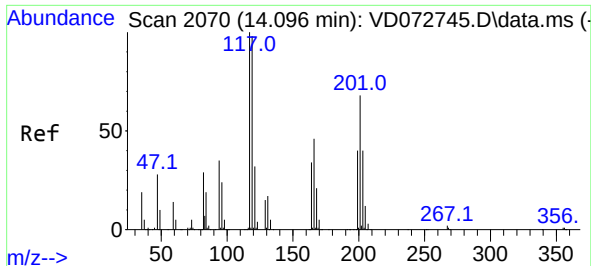
Tgt Ion:	119	Resp:	62
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.9	38.6#
91	464.5	12.1	36.3#



#89
n-Butylbenzene
Concen: 23.352 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.012 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion:	91	Resp:	91
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.6	79.8#
134	0.0	12.3	36.9#

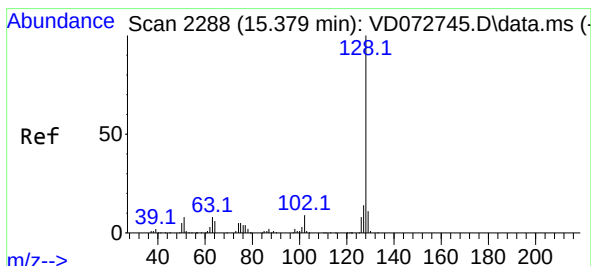
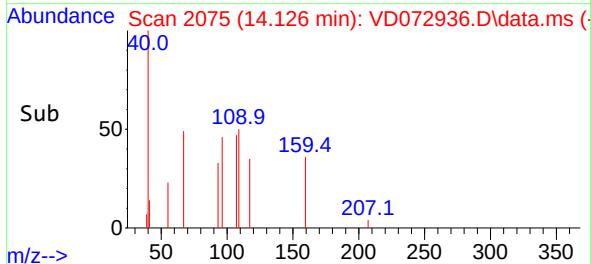
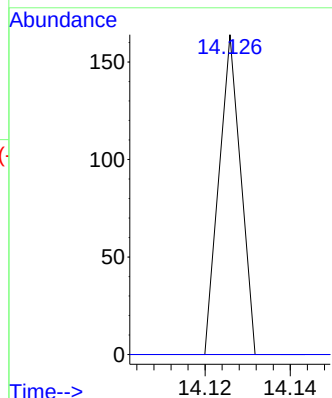
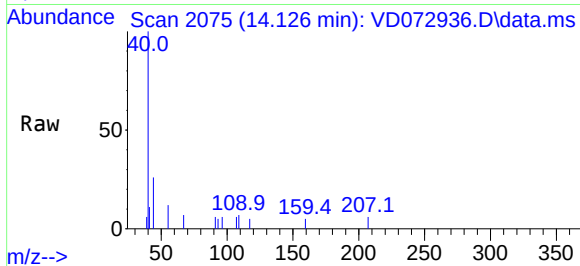




#90
Hexachloroethane
Concen: 70.381 ug/l
RT: 14.126 min Scan# 2070
Delta R.T. 0.030 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tgt Ion:117 Resp: 58
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#95
Naphthalene
Concen: 38.565 ug/l
RT: 15.596 min Scan# 2325
Delta R.T. 0.217 min
Lab File: VD072936.D
Acq: 11 May 2022 17:44

Tgt Ion:128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

