

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072439.D
 Acq On : 25 Mar 2022 20:01
 Operator : VA/SY
 Sample : N2095-06
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-4.0-5.0

Quant Time: Mar 26 00:15:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

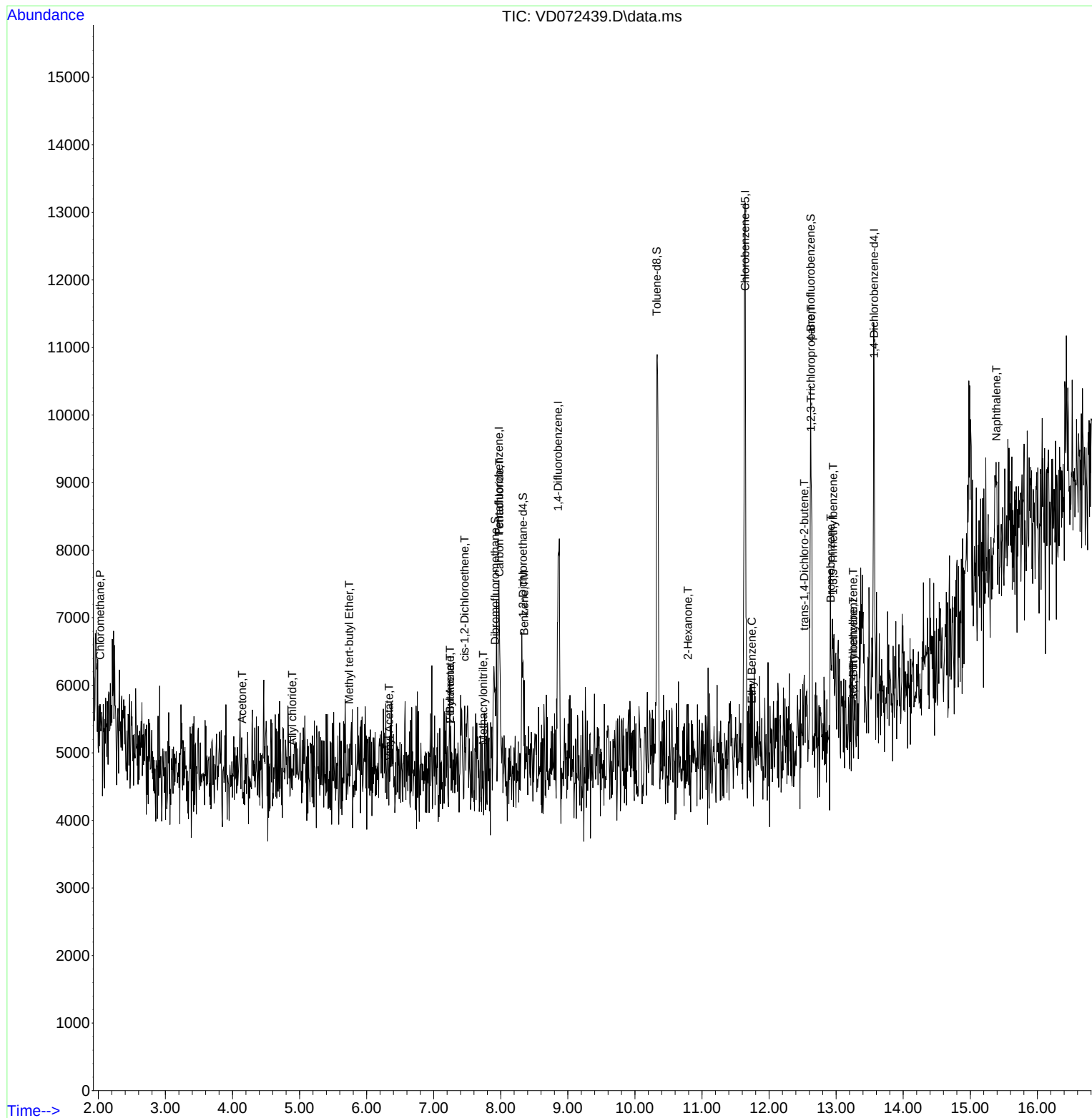
Internal Standards						
1) Pentafluorobenzene	7.973	168	2536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	4115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	4678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	1658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1684	59.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.160%			
35) Dibromofluoromethane	7.914	113	1485	51.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.560%			
50) Toluene-d8	10.326	98	4785	45.191	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.380%			
62) 4-Bromofluorobenzene	12.620	95	2104	51.140	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.280%			
Target Compounds					Qvalue	
3) Chloromethane	2.026	50	59	2.831	ug/l #	40
14) Allyl chloride	4.891	41	55	1.350	ug/l #	22
16) Acetone	4.144	43	112	18.252	ug/l #	47
19) Methyl tert-butyl Ether	5.738	73	66	1.042	ug/l #	53
23) Vinyl Acetate	6.332	43	63	1.328	ug/l #	75
25) 2-Butanone	7.244	43	85	10.389	ug/l #	52
27) cis-1,2-Dichloroethene	7.461	96	84	2.552	ug/l #	13
37) Ethyl Acetate	7.244	43	85	4.777	ug/l #	72
38) Carbon Tetrachloride	7.979	117	292	6.323	ug/l #	13
40) Benzene	8.350	78	116	1.001	ug/l #	51
41) Methacrylonitrile	7.738	41	54	5.206	ug/l #	27
59) 2-Hexanone	10.791	43	55	4.390	ug/l #	27
67) Ethyl Benzene	11.744	91	418	2.257	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	831	45.437	ug/l #	100
77) Bromobenzene	12.920	156	200	6.763	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.955	105	176	1.559	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.526	75	64	8.682	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	184	1.654	ug/l #	32
85) sec-Butylbenzene	13.255	105	184	1.238	ug/l #	57
95) Naphthalene	15.390	128	1572	25.491	ug/l #	70

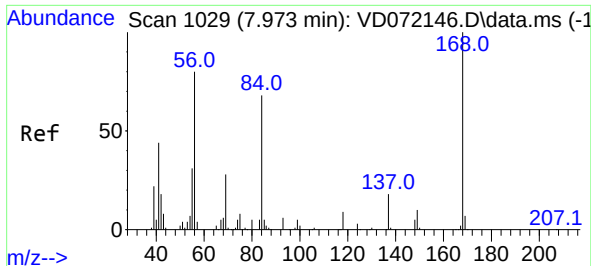
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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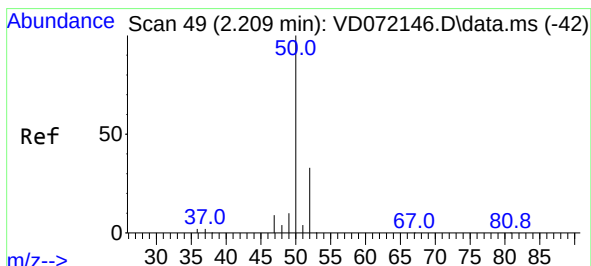
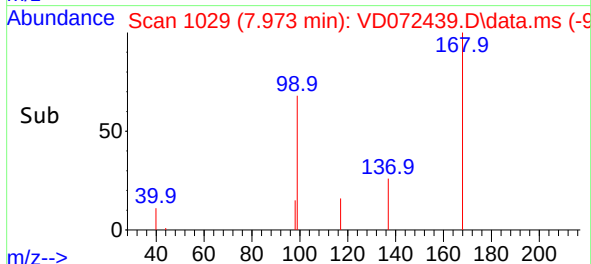
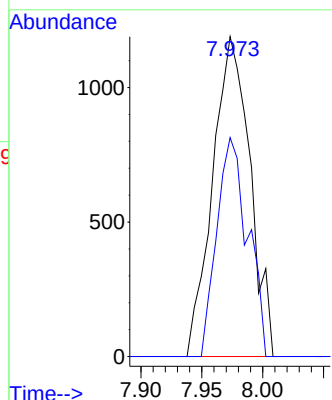
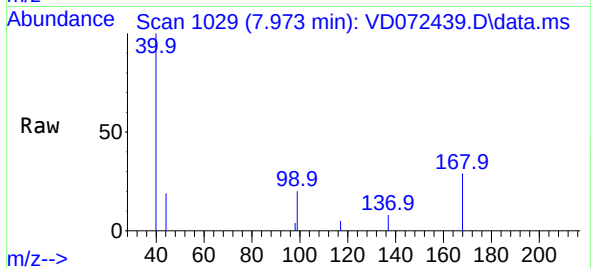




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

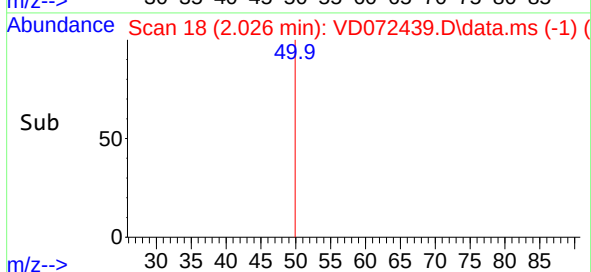
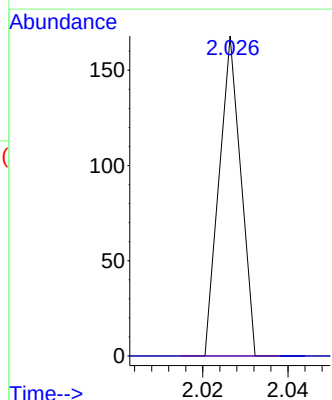
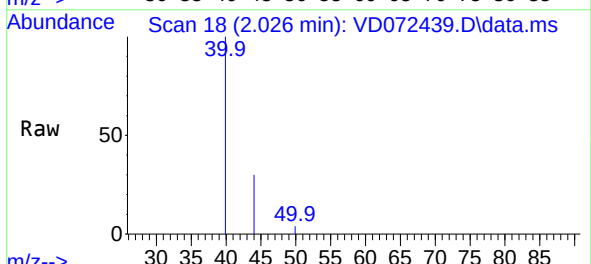
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

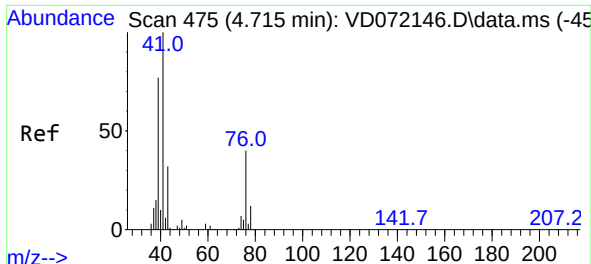
Tgt Ion:168 Resp: 2536
Ion Ratio Lower Upper
168 100
99 68.5 49.8 74.6



#3
Chloromethane
Concen: 2.831 ug/l
RT: 2.026 min Scan# 18
Delta R.T. -0.182 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 50 Resp: 59
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#





#14

Allyl chloride

Concen: 1.350 ug/l

RT: 4.891 min Scan# 50

Delta R.T. 0.176 min

Lab File: VD072439.D

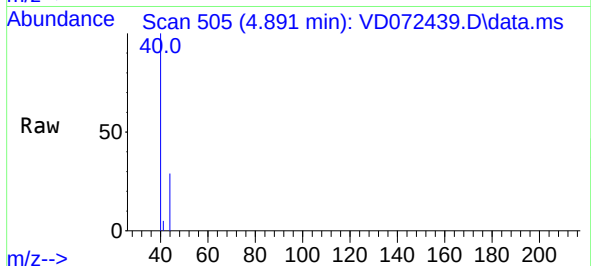
Acq: 25 Mar 2022 20:01

Instrument :

MSVOA_D

ClientSampleId :

SB-06-4.0-5.0



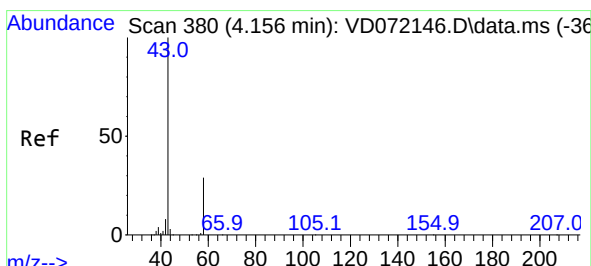
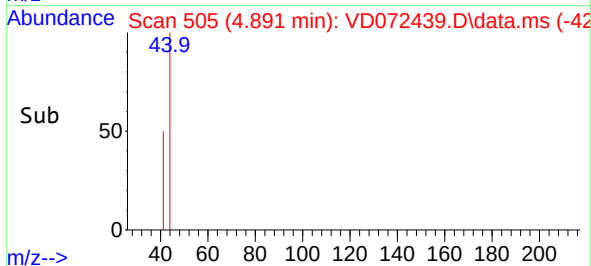
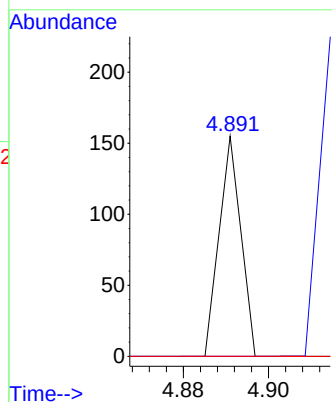
Tgt Ion: 41 Resp: 55

Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#



#16

Acetone

Concen: 18.252 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.012 min

Lab File: VD072439.D

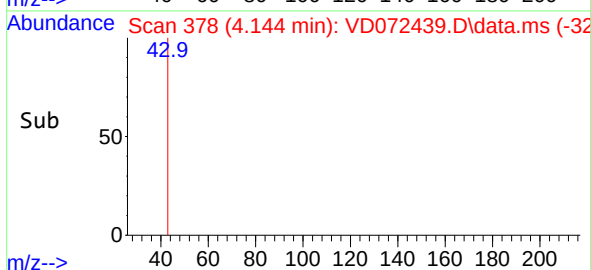
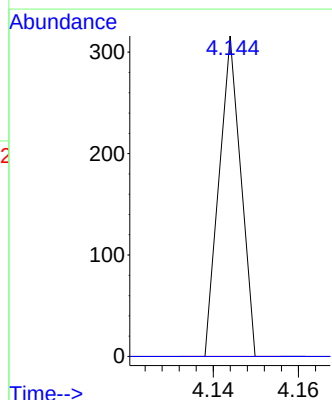
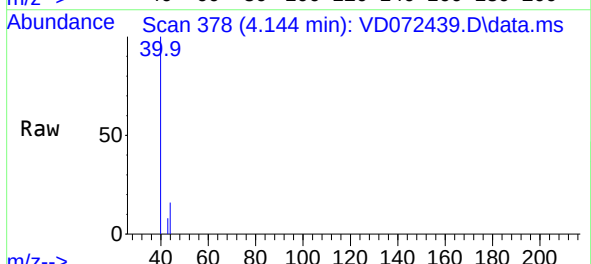
Acq: 25 Mar 2022 20:01

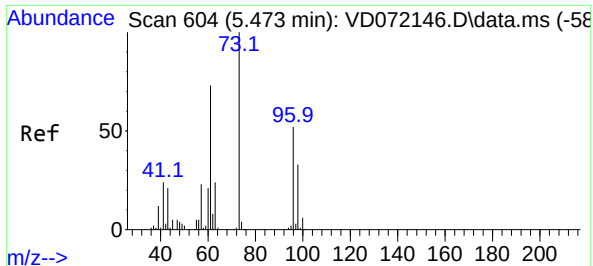
Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#19

Methyl tert-butyl Ether

Concen: 1.042 ug/l

RT: 5.738 min Scan# 64

Delta R.T. 0.265 min

Lab File: VD072439.D

Acq: 25 Mar 2022 20:01

Instrument :

MSVOA_D

ClientSampleId :

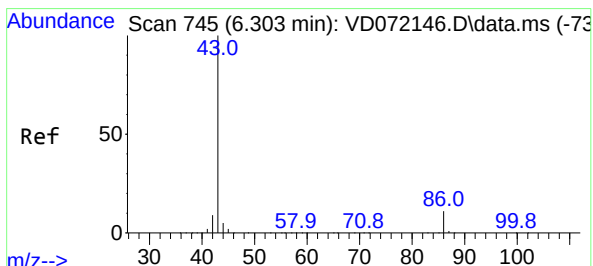
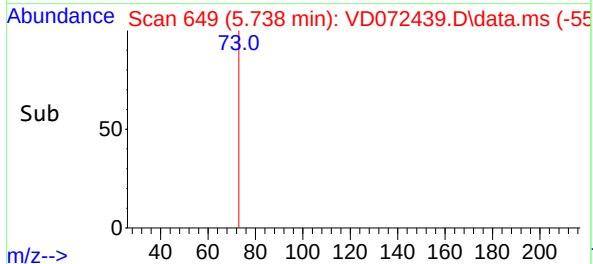
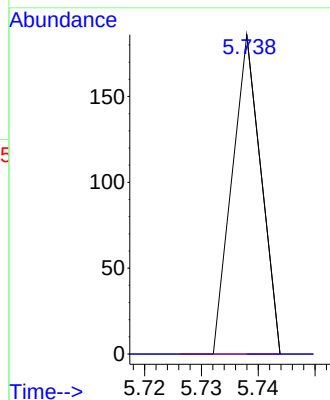
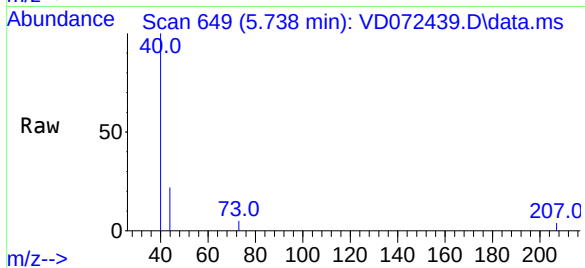
SB-06-4.0-5.0

Tgt Ion: 73 Resp: 66

Ion Ratio Lower Upper

73 100

57 0.0 18.0 27.0#



#23

Vinyl Acetate

Concen: 1.328 ug/l

RT: 6.332 min Scan# 750

Delta R.T. 0.029 min

Lab File: VD072439.D

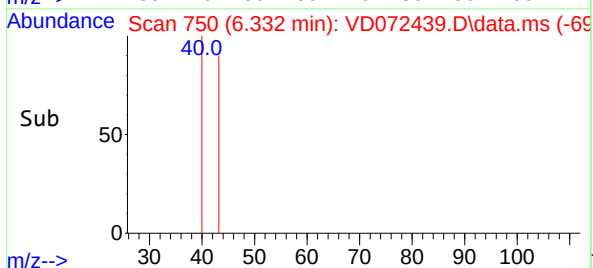
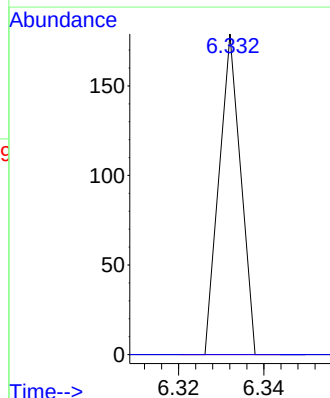
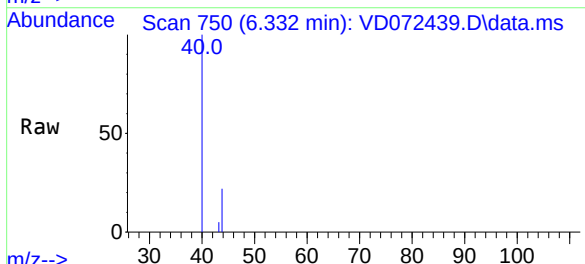
Acq: 25 Mar 2022 20:01

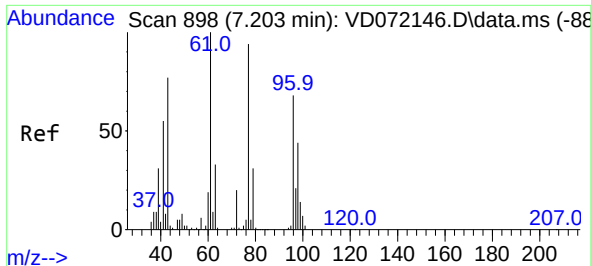
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 10.389 ug/l

RT: 7.244 min Scan# 905

Delta R.T. 0.041 min

Lab File: VD072439.D

Acq: 25 Mar 2022 20:01

Instrument :

MSVOA_D

ClientSampleId :

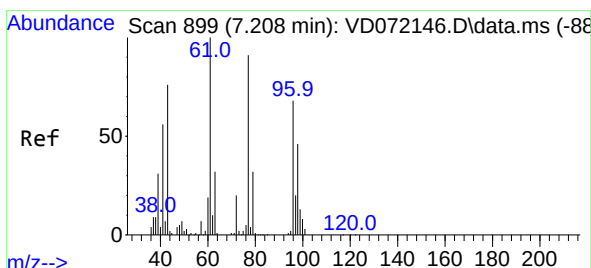
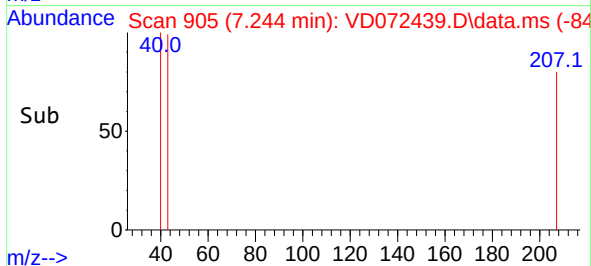
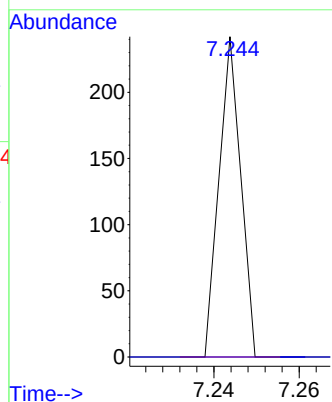
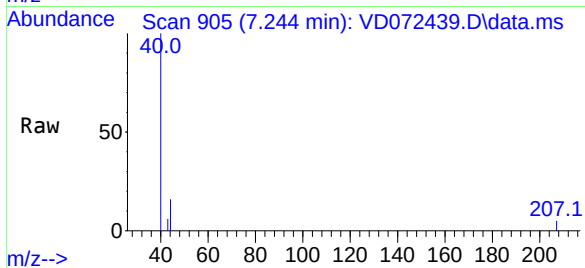
SB-06-4.0-5.0

Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#27

cis-1,2-Dichloroethene

Concen: 2.552 ug/l

RT: 7.461 min Scan# 942

Delta R.T. 0.253 min

Lab File: VD072439.D

Acq: 25 Mar 2022 20:01

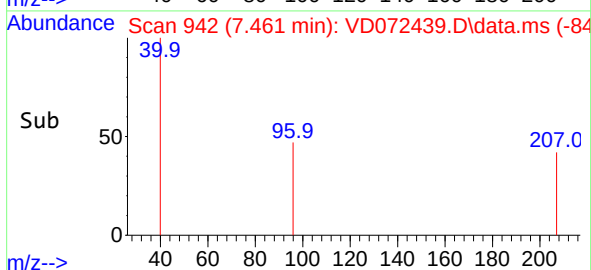
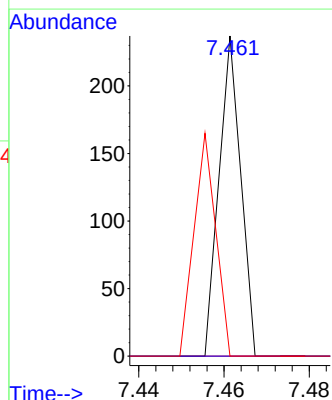
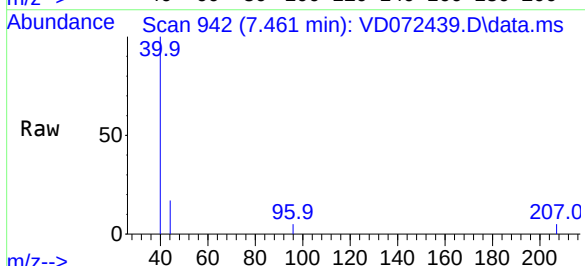
Tgt Ion: 96 Resp: 84

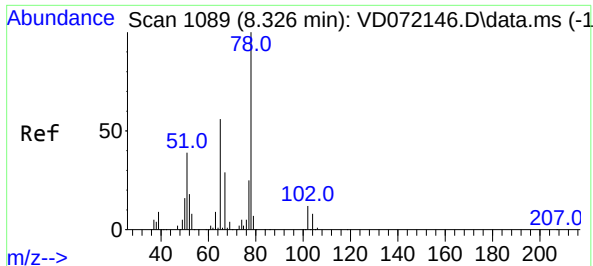
Ion Ratio Lower Upper

96 100

61 0.0 0.0 313.8

98 69.0 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 59.585 ug/l

RT: 8.332 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD072439.D

Acq: 25 Mar 2022 20:01

Instrument :

MSVOA_D

ClientSampleId :

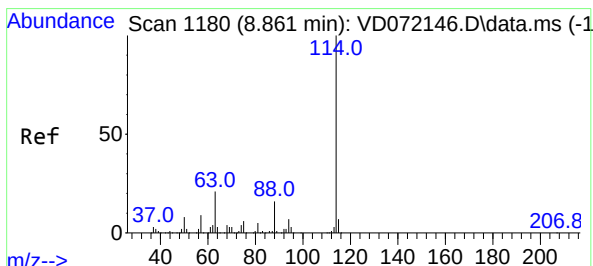
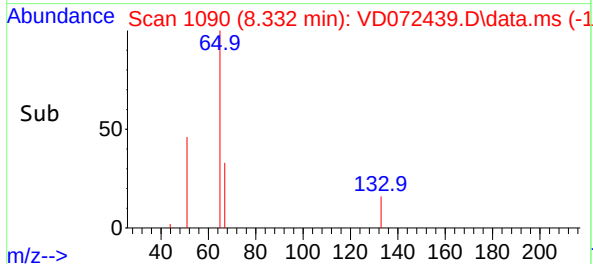
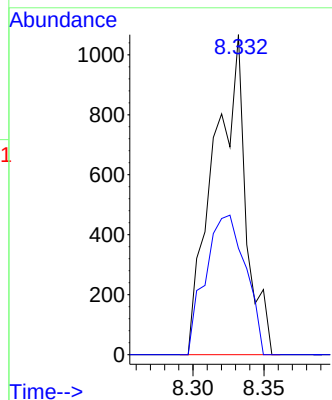
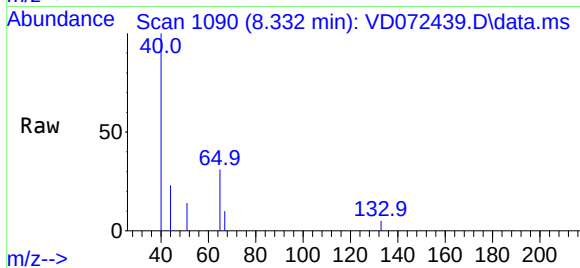
SB-06-4.0-5.0

Tgt Ion: 65 Resp: 1684

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072439.D

Acq: 25 Mar 2022 20:01

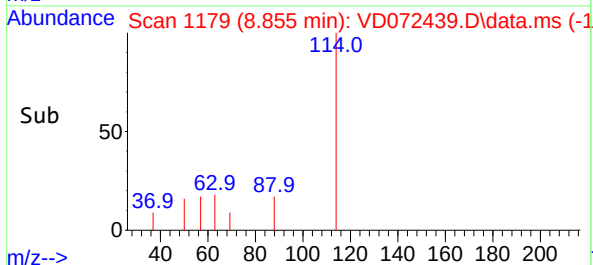
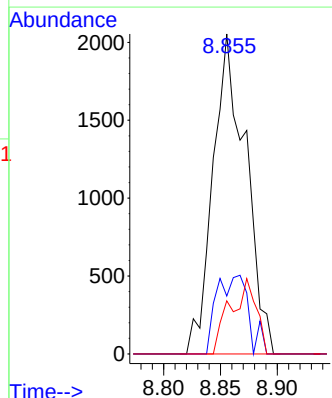
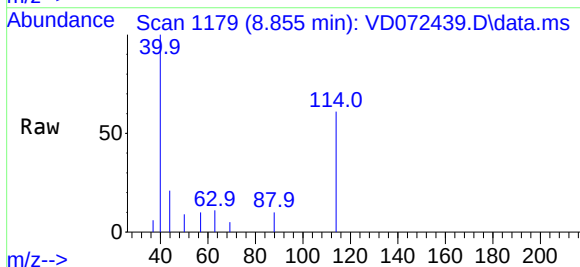
Tgt Ion: 114 Resp: 4115

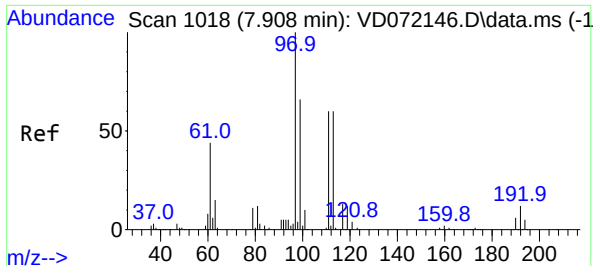
Ion Ratio Lower Upper

114 100

63 18.1 0.0 46.6

88 16.6 0.0 33.2

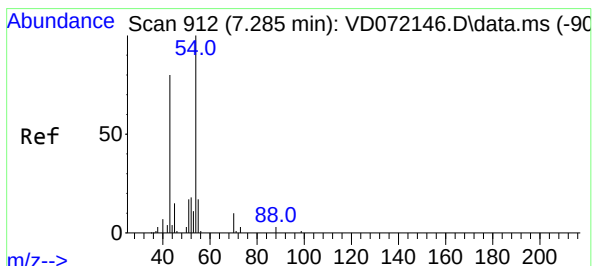
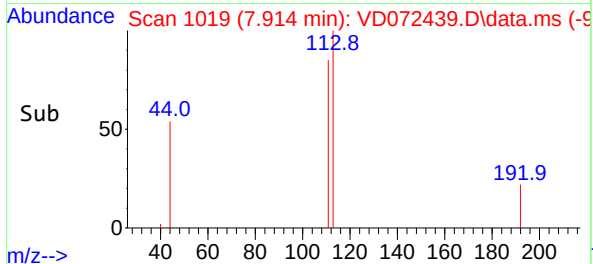
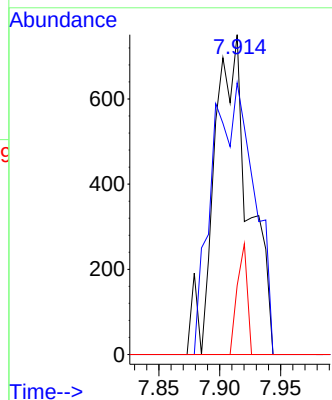
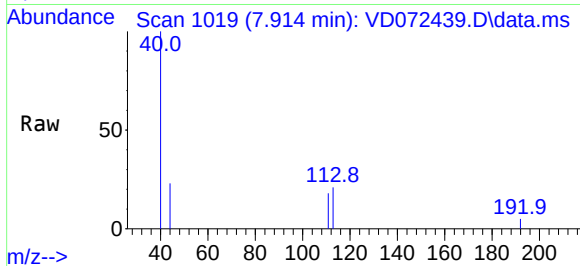




#35
Dibromofluoromethane
Concen: 51.282 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

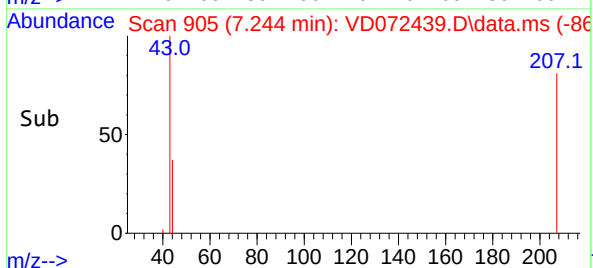
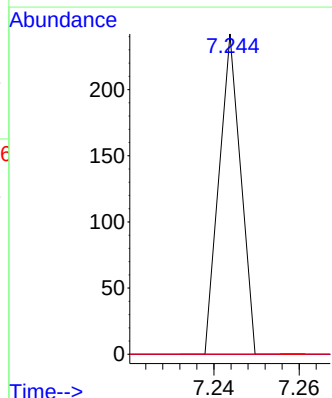
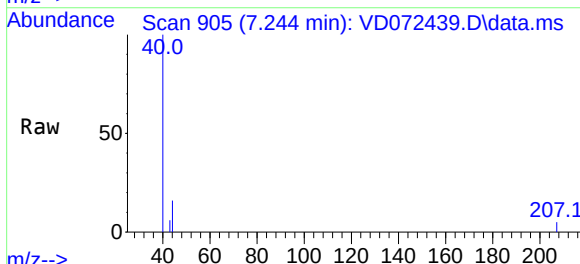
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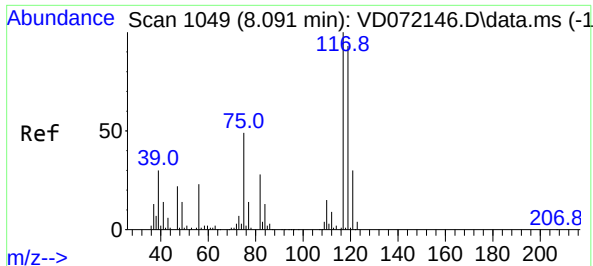
Tgt Ion:113 Resp: 1485
Ion Ratio Lower Upper
113 100
111 0.0 83.8 125.6#
192 10.0 14.6 21.8#



#37
Ethyl Acetate
Concen: 4.777 ug/l
RT: 7.244 min Scan# 905
Delta R.T. -0.041 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

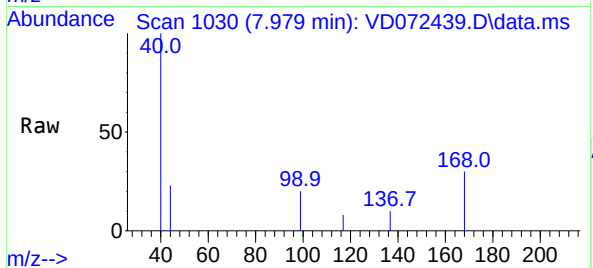
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



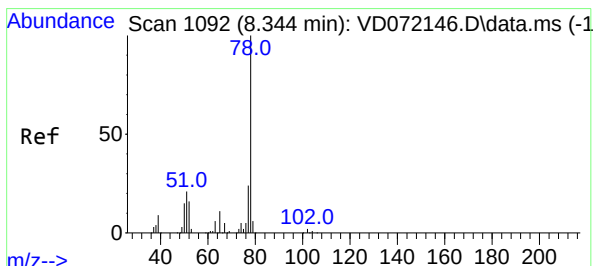
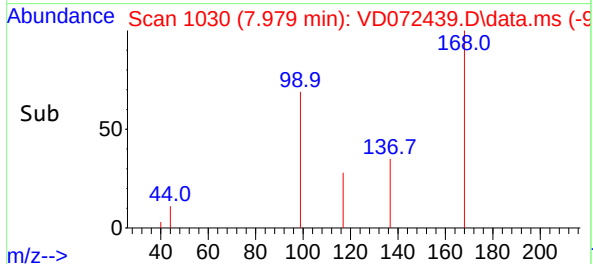
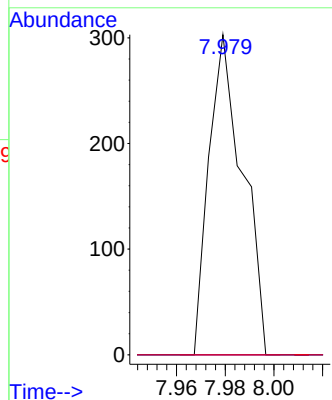


#38
Carbon Tetrachloride
Concen: 6.323 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

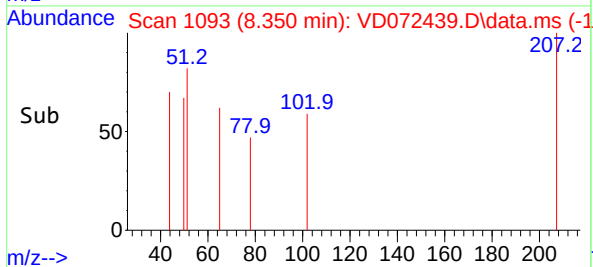
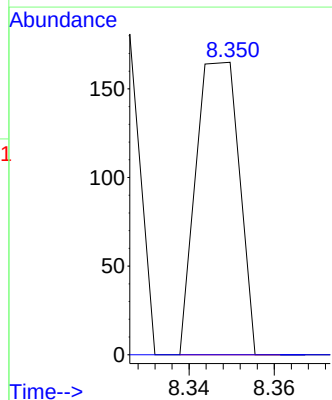
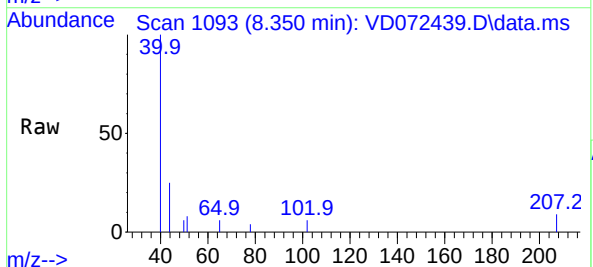


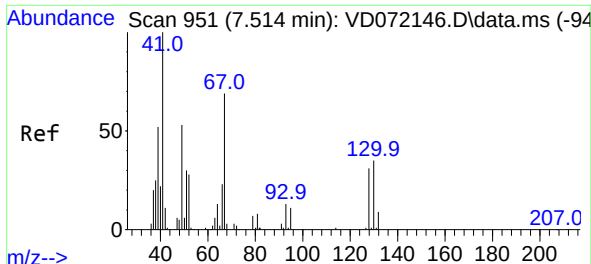
Tgt Ion:117 Resp: 292
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.001 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 78 Resp: 116
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#

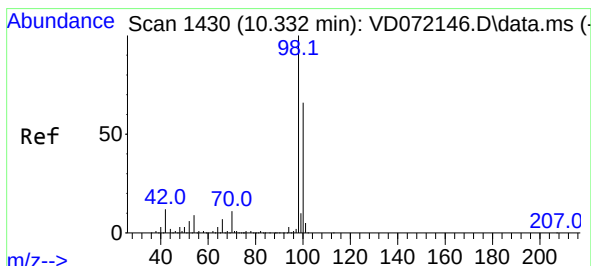
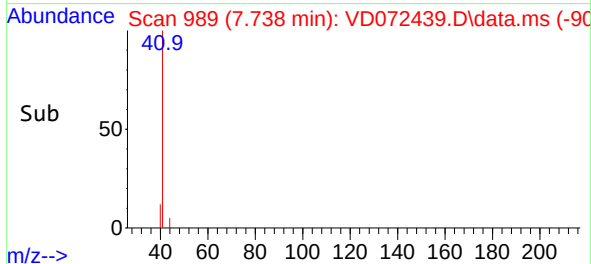
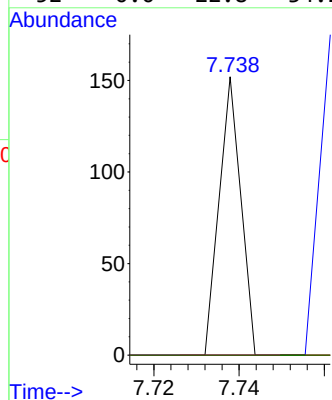
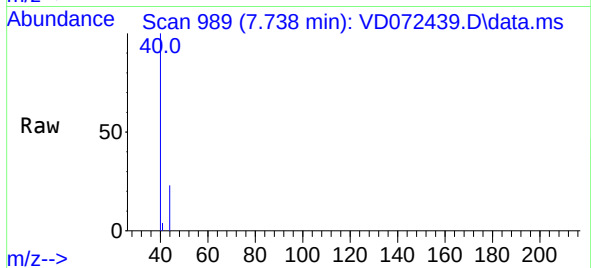




#41
Methacrylonitrile
Concen: 5.206 ug/l
RT: 7.738 min Scan# 91
Delta R.T. 0.223 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

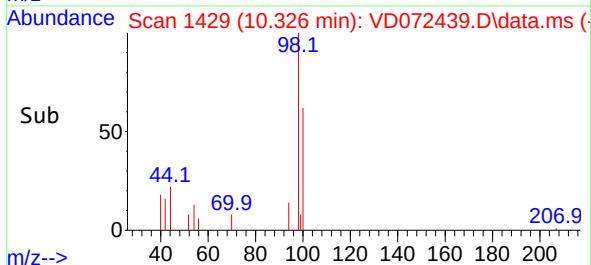
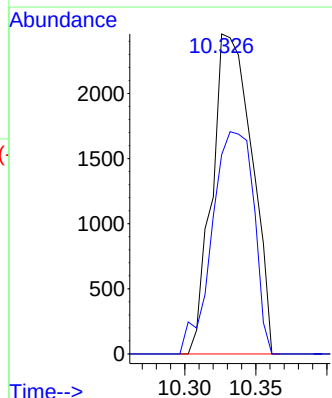
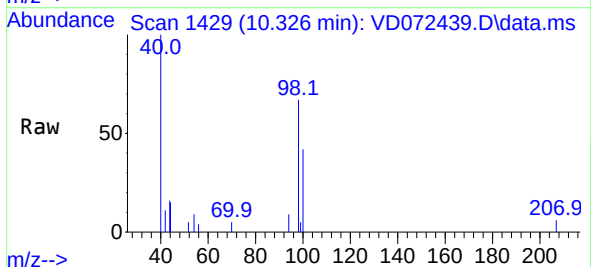
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

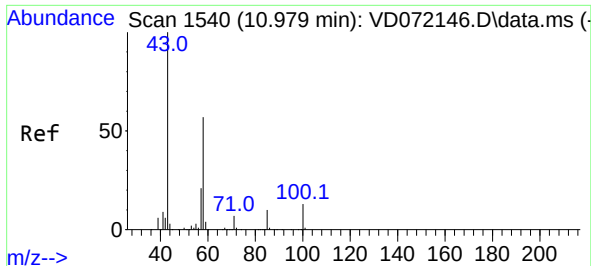
Tgt Ion: 41	Resp: 54
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 45.191 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 98	Resp:	4785	
Ion	Ratio	Lower	Upper
98	100		
100	72.6	52.4	78.6

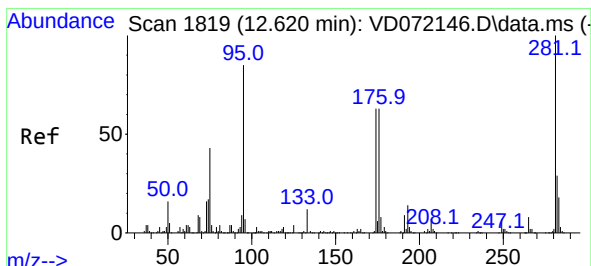
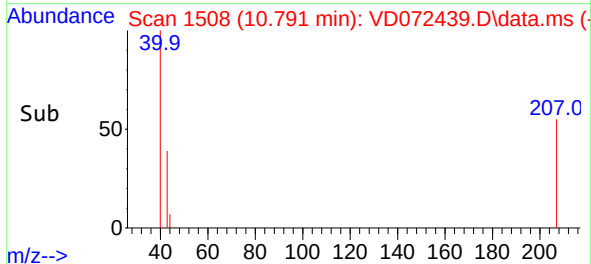
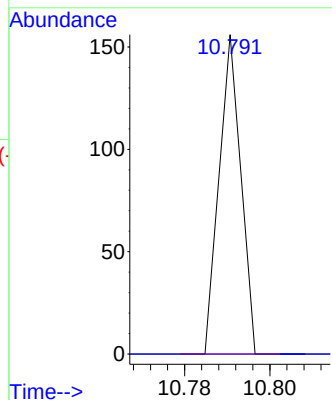
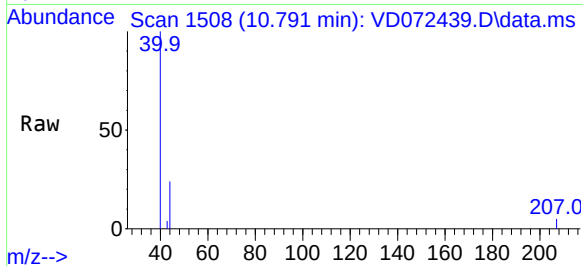




#59
2-Hexanone
Concen: 4.390 ug/l
RT: 10.791 min Scan# 11
Delta R.T. -0.188 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

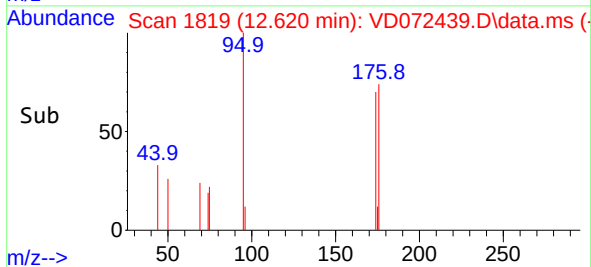
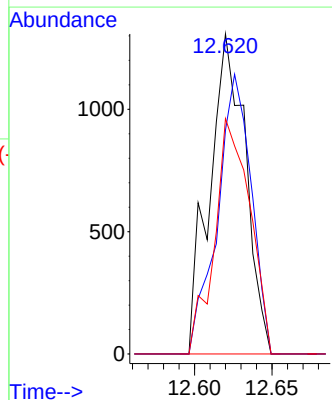
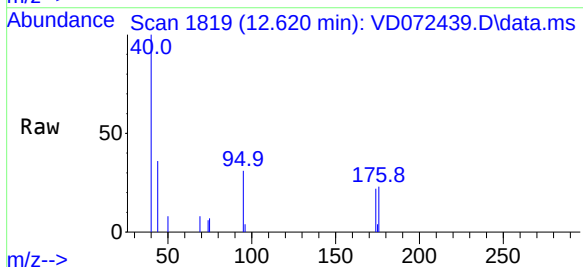
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

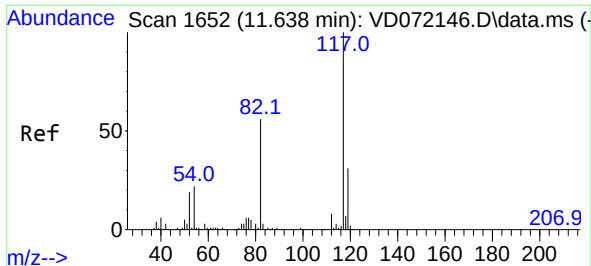
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 51.140 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 95 Resp: 2104
Ion Ratio Lower Upper
95 100
174 82.5 0.0 152.8
176 72.6 0.0 145.4

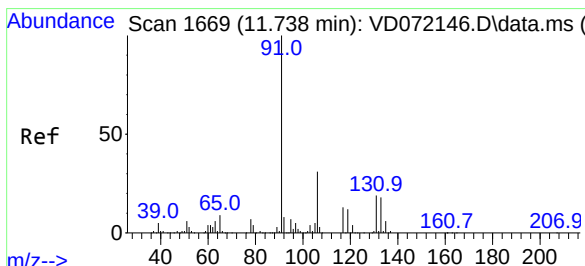
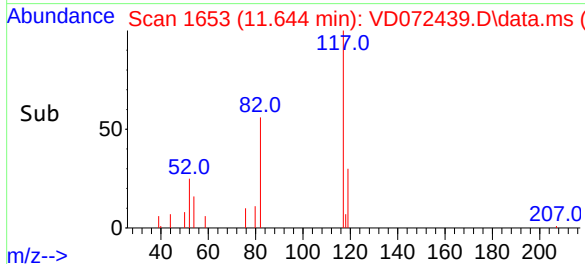
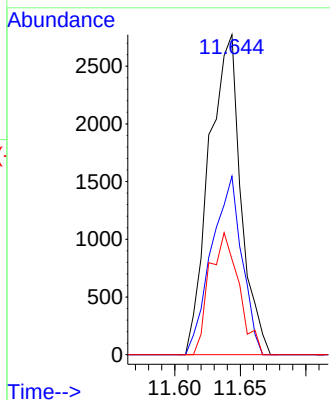
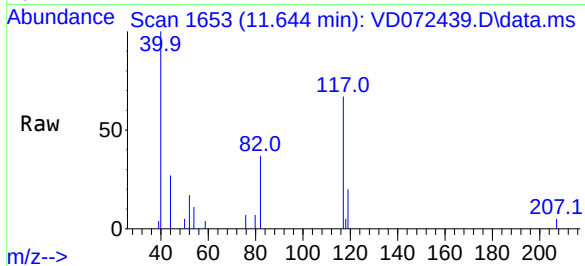




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

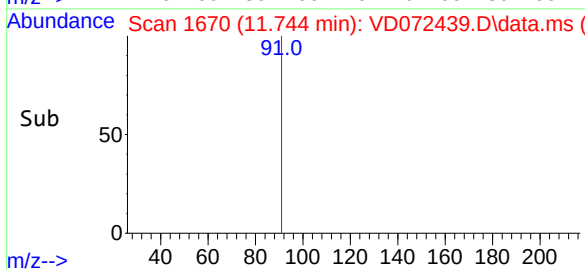
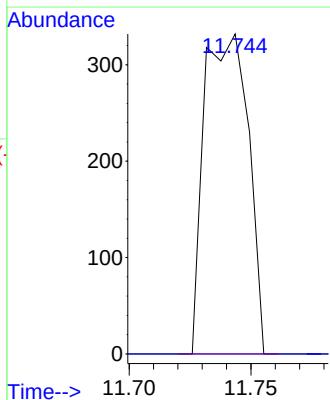
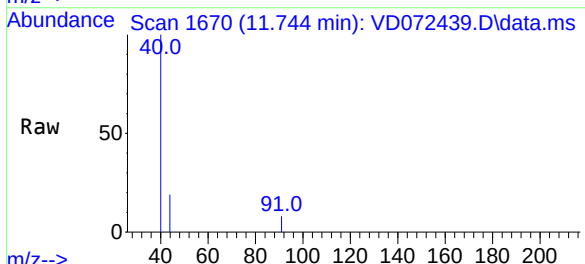
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

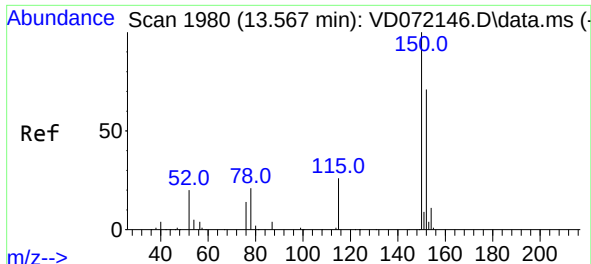
Tgt Ion:	117	Resp:	4678
Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.3	67.9
119	29.8	26.6	40.0



#67
Ethyl Benzene
Concen: 2.257 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

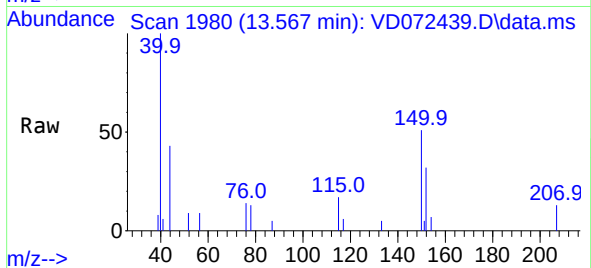
Tgt Ion:	91	Resp:	418
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.2	36.4#



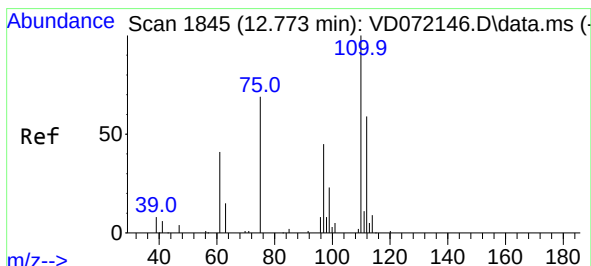
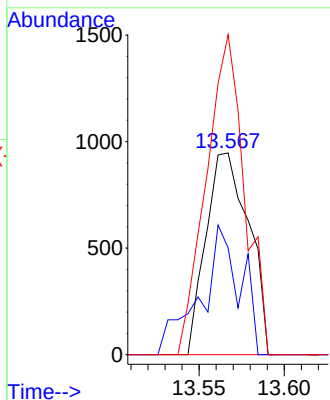
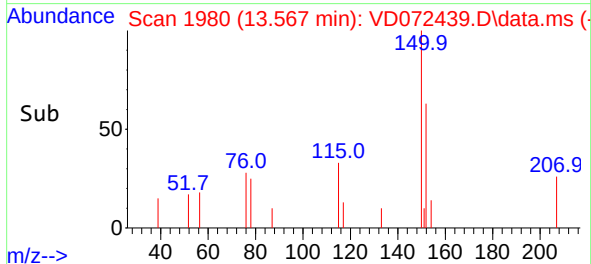


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

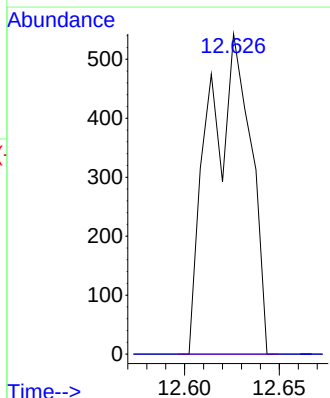
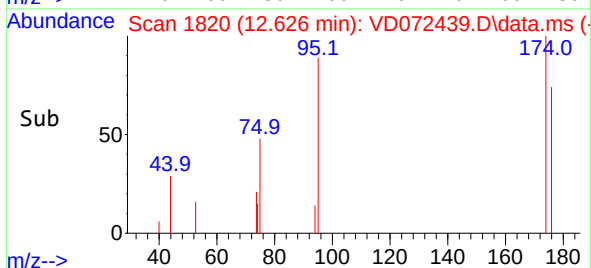
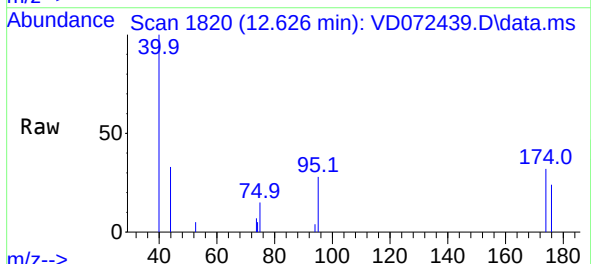


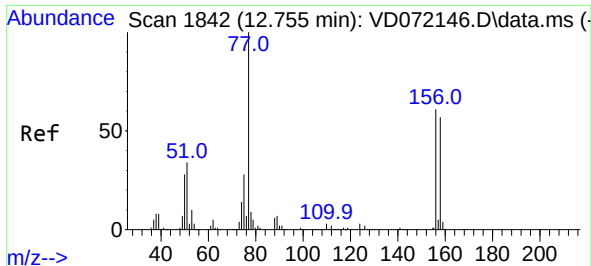
Tgt Ion:152 Resp: 1658
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 141.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.437 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 75 Resp: 831
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

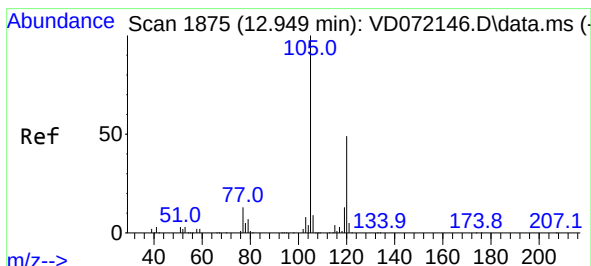
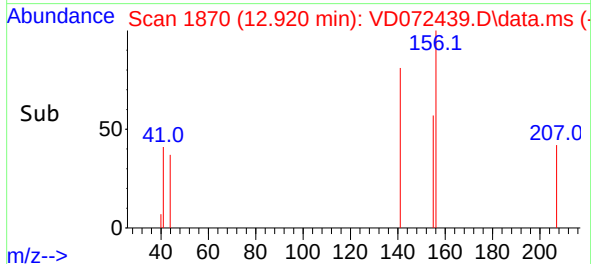
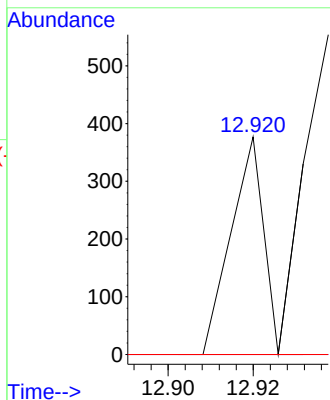
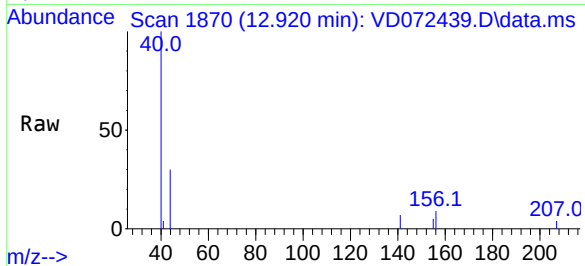




#77
Bromobenzene
Concen: 6.763 ug/l
RT: 12.920 min Scan# 1842
Delta R.T. 0.165 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

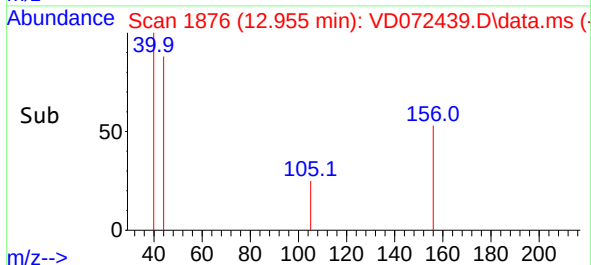
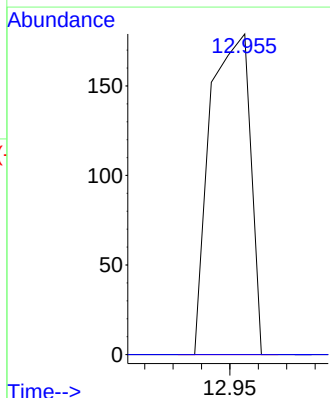
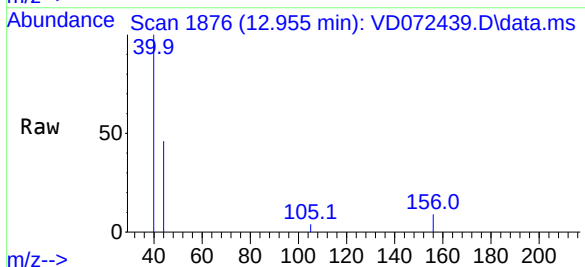
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

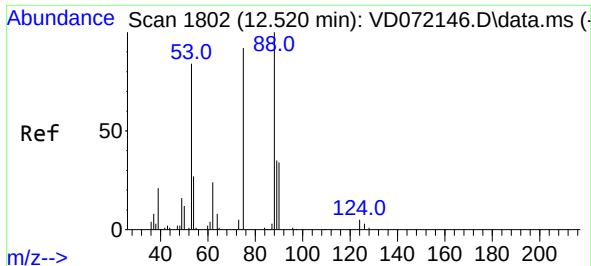
Tgt Ion:156 Resp: 200
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#



#80
1,3,5-Trimethylbenzene
Concen: 1.559 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion:105 Resp: 176
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.8#

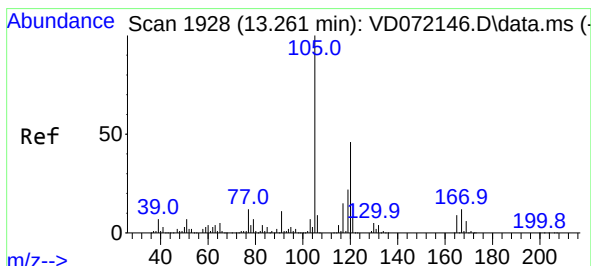
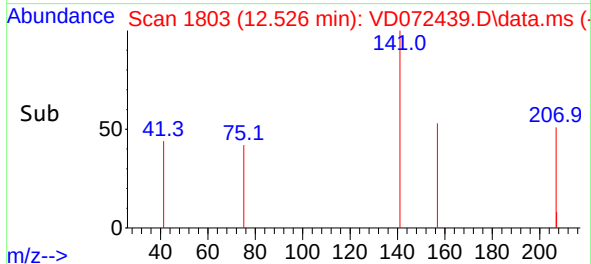
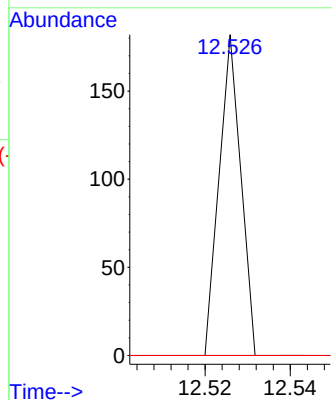
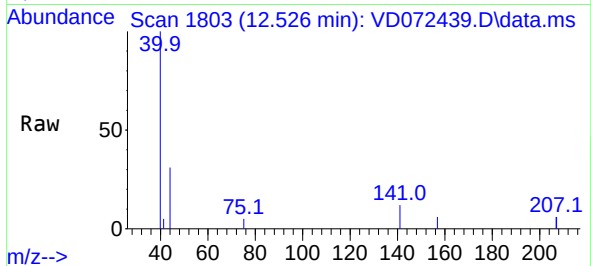




#81
trans-1,4-Dichloro-2-butene
Concen: 8.682 ug/l
RT: 12.526 min Scan# 1802
Delta R.T. 0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

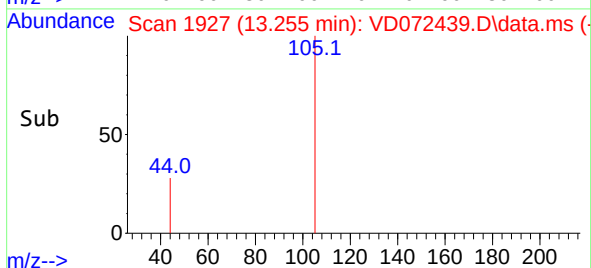
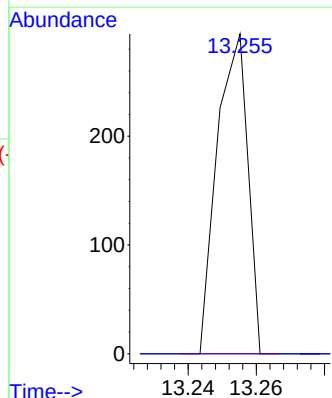
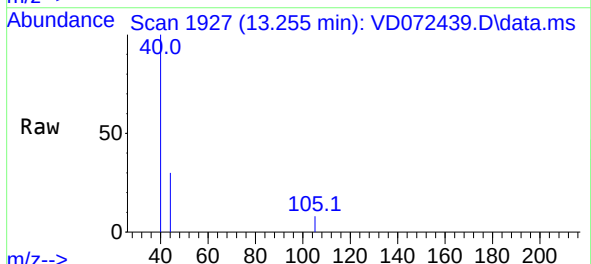
Instrument :
MSVOA_D
ClientSampleId :
SB-06-4.0-5.0

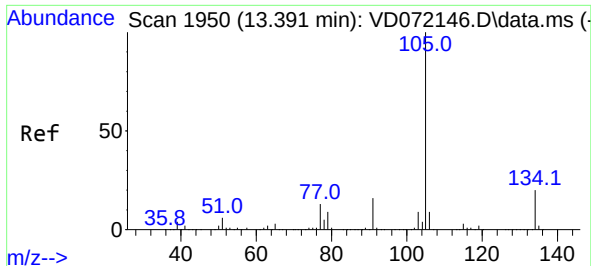
Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.654 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072439.D
Acq: 25 Mar 2022 20:01

Tgt Ion: 105 Resp: 184
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

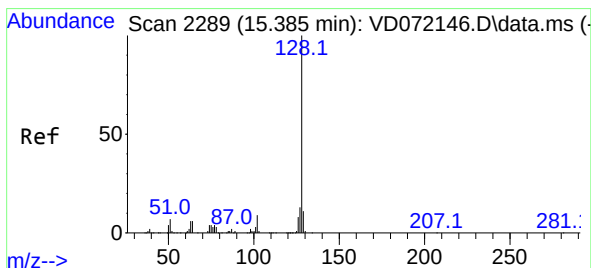
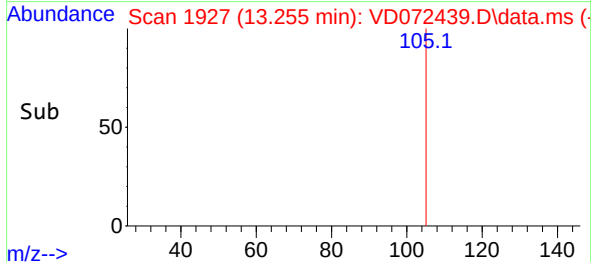
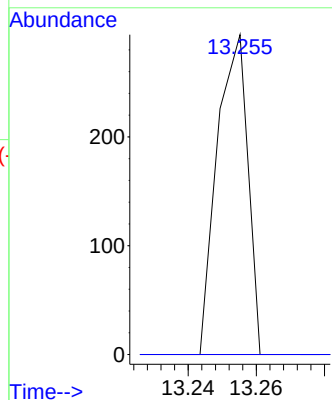
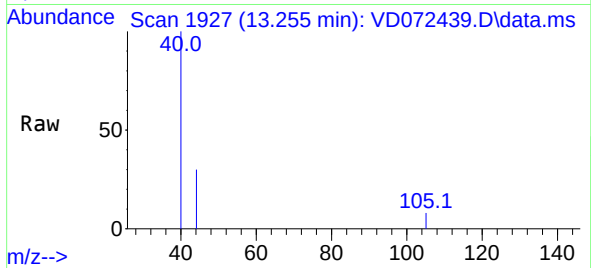




#85
 sec-Butylbenzene
 Concen: 1.238 ug/l
 RT: 13.255 min Scan# 1950
 Delta R.T. -0.135 min
 Lab File: VD072439.D
 Acq: 25 Mar 2022 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-4.0-5.0

Tgt Ion:105 Resp: 184
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#95
 Naphthalene
 Concen: 25.491 ug/l
 RT: 15.390 min Scan# 2290
 Delta R.T. 0.006 min
 Lab File: VD072439.D
 Acq: 25 Mar 2022 20:01

Tgt Ion:128 Resp: 1572
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

