

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072343.D
 Acq On : 21 Mar 2022 16:36
 Operator : VA/SY
 Sample : N1970-13RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-3-6-7RE

Quant Time: Mar 22 02:12:38 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)

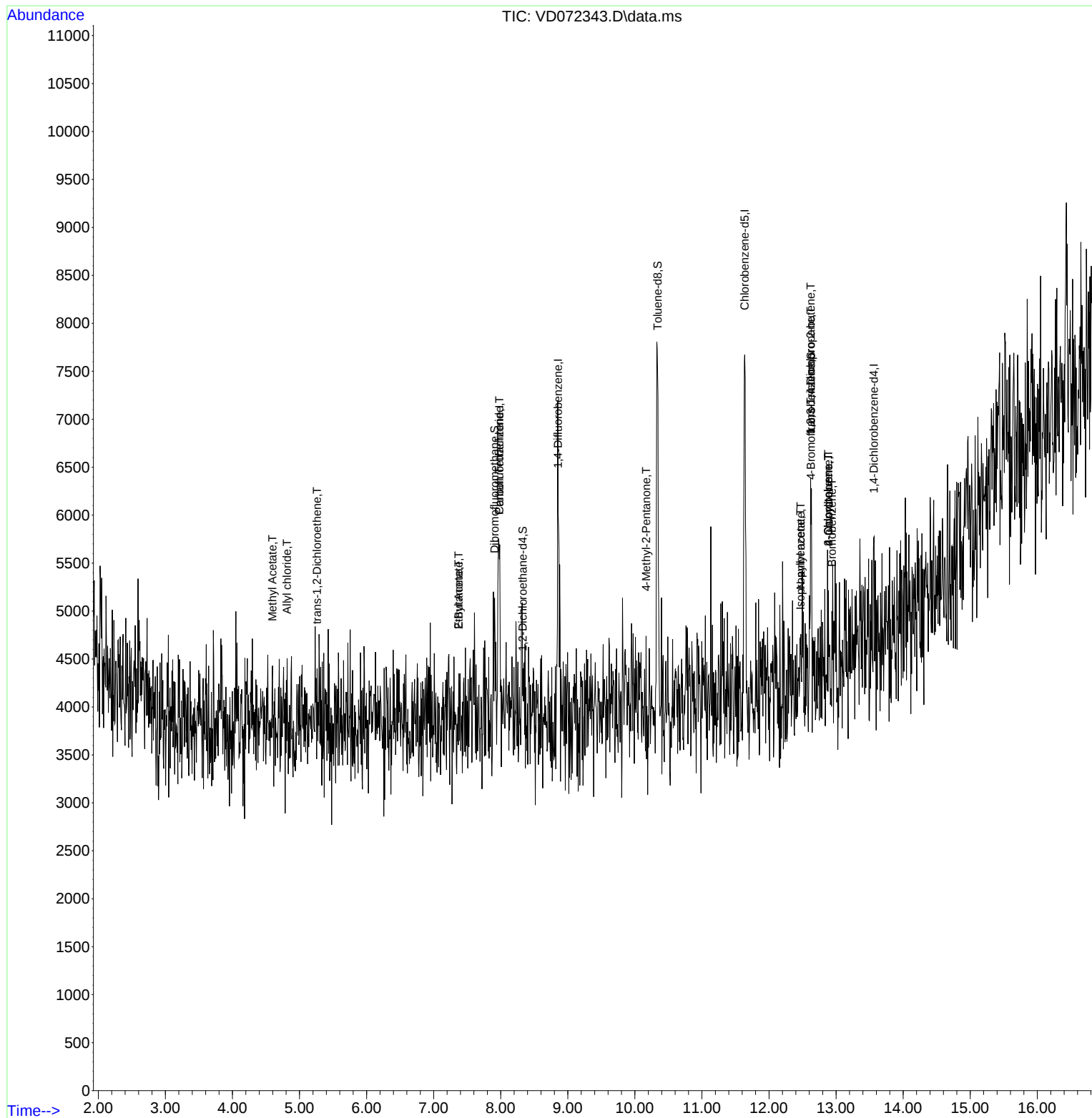
Internal Standards						
1) Pentafluorobenzene	7.979	168	1286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	2586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	2851	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	860	60.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.020%	
35) Dibromofluoromethane	7.909	113	1050	57.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.400%	
50) Toluene-d8	10.338	98	3297	49.549	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.626	95	806	31.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.340%	
Target Compounds						
						Qvalue
14) Allyl chloride	4.815	41	89	4.307	ug/l	# 22
18) Methyl Acetate	4.597	43	92	12.065	ug/l	# 55
21) trans-1,2-Dichloroethene	5.262	96	108	8.261	ug/l	# 1
25) 2-Butanone	7.373	43	56	13.498	ug/l	# 52
37) Ethyl Acetate	7.373	43	56	5.008	ug/l	# 72
38) Carbon Tetrachloride	7.979	117	83	2.860	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.167	43	55	4.824	ug/l	# 39
73) Isopropylbenzene	12.467	105	123	7.684	ug/l	# 49
74) N-amyl acetate	12.473	43	101	29.360	ug/l	# 45
76) 1,2,3-Trichloropropane	12.620	75	361	162.011	ug/l	# 100
77) Bromobenzene	12.938	156	68	18.874	ug/l	# 1
78) n-propylbenzene	12.885	91	72	3.703	ug/l	# 54
79) 2-Chlorotoluene	12.885	91	72	6.404	ug/l	# 42
81) trans-1,4-Dichloro-2-b...	12.620	75	361	401.967	ug/l	# 7
82) 4-Chlorotoluene	12.885	91	72	6.185	ug/l	# 42

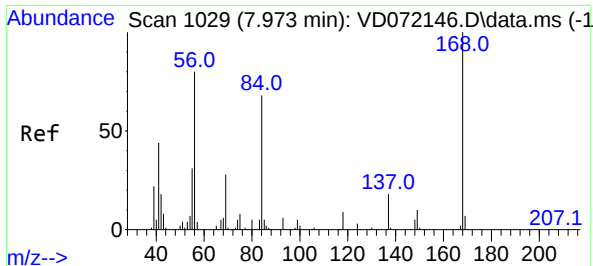
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VD072343.D

Acq: 21 Mar 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

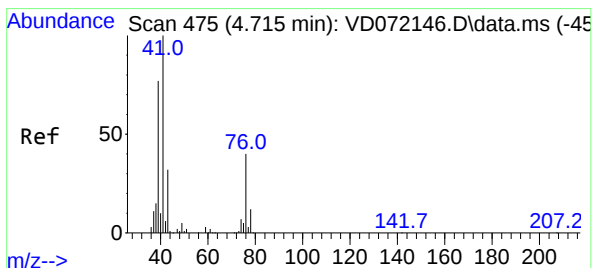
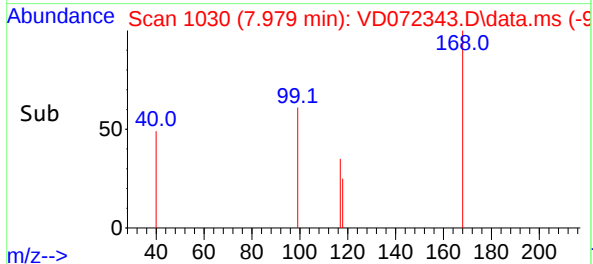
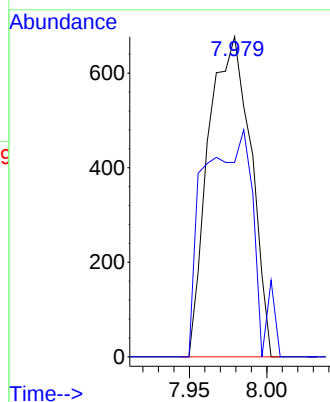
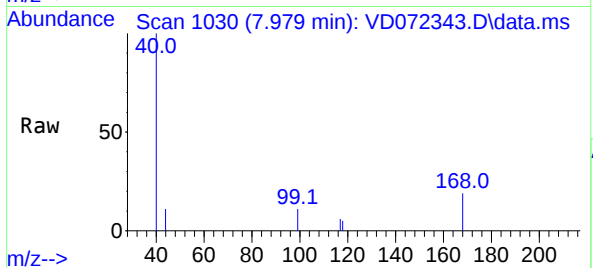
G-4-3-6-7RE

Tgt Ion:168 Resp: 1286

Ion Ratio Lower Upper

168 100

99 60.7 49.8 74.6



#14

Allyl chloride

Concen: 4.307 ug/l

RT: 4.815 min Scan# 492

Delta R.T. 0.100 min

Lab File: VD072343.D

Acq: 21 Mar 2022 16:36

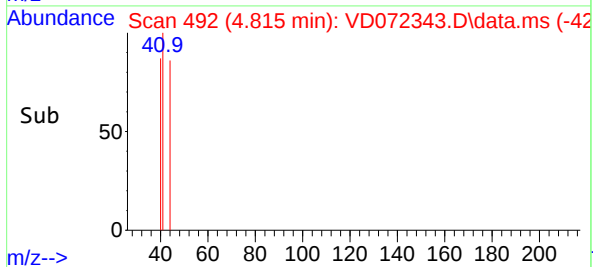
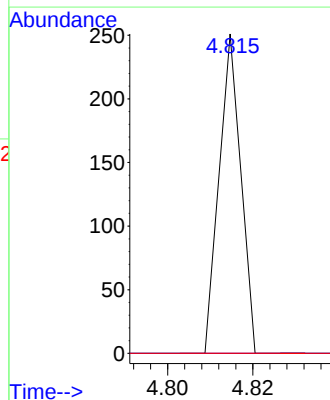
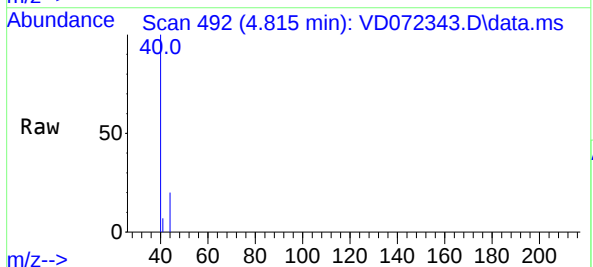
Tgt Ion: 41 Resp: 89

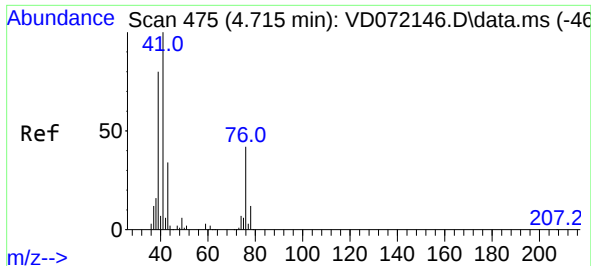
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

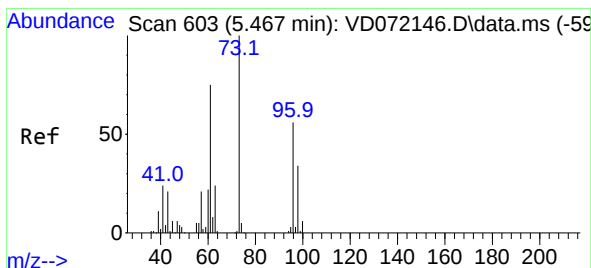
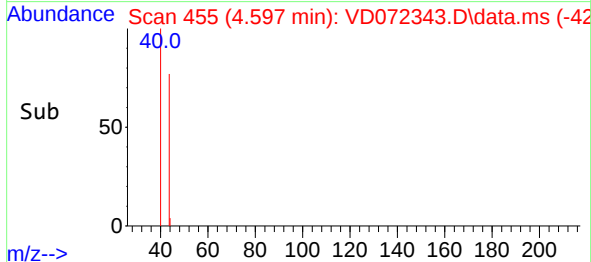
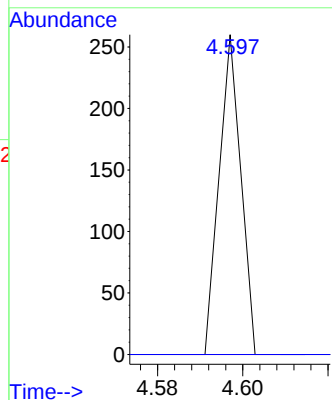
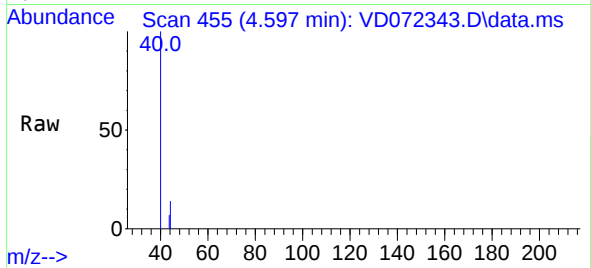




#18
Methyl Acetate
Concen: 12.065 ug/l
RT: 4.597 min Scan# 41
Delta R.T. -0.118 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

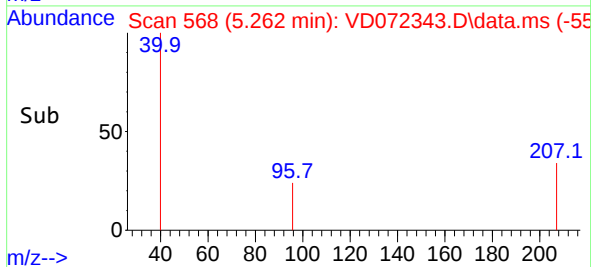
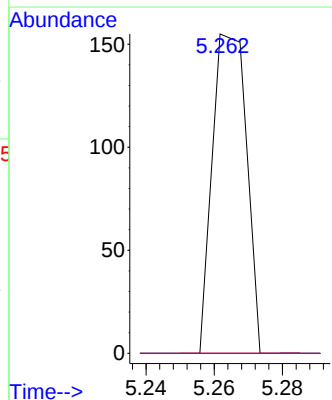
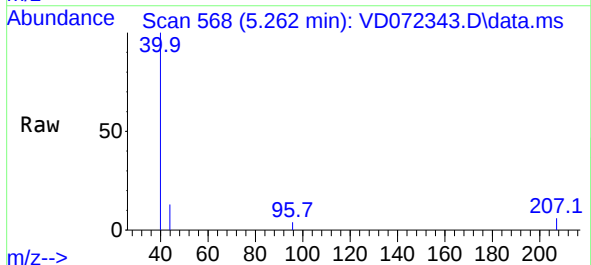
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

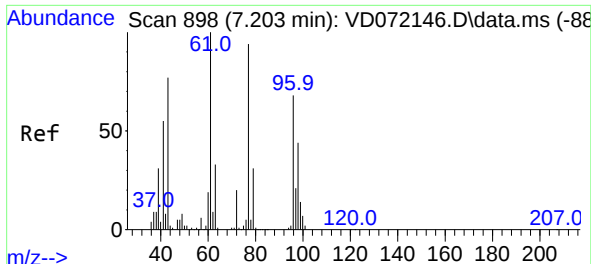
Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#21
trans-1,2-Dichloroethene
Concen: 8.261 ug/l
RT: 5.262 min Scan# 568
Delta R.T. -0.206 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion: 96 Resp: 108
Ion Ratio Lower Upper
96 100
61 0.0 117.9 176.9#
98 0.0 49.4 74.2#

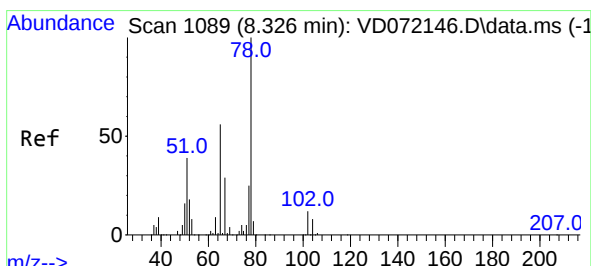
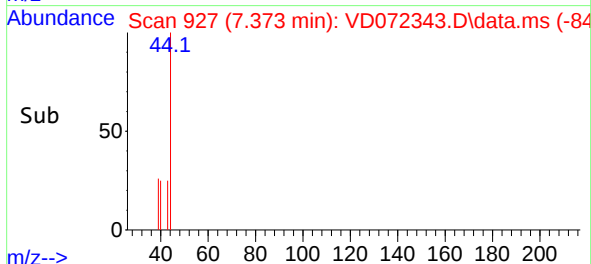
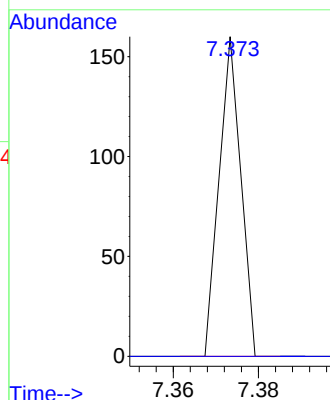
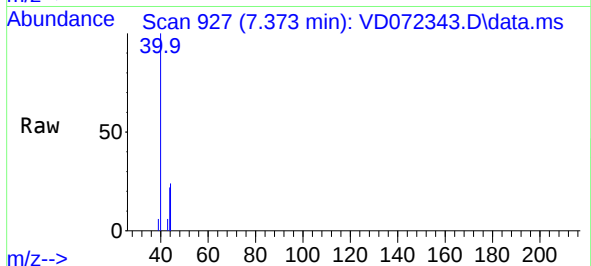




#25
2-Butanone
Concen: 13.498 ug/l
RT: 7.373 min Scan# 91
Delta R.T. 0.171 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

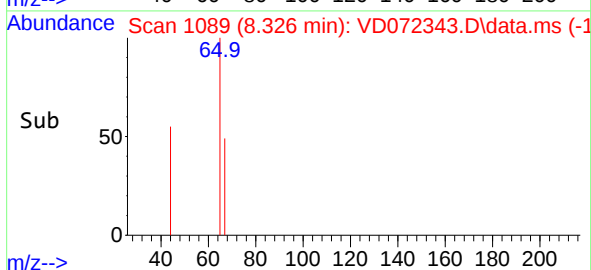
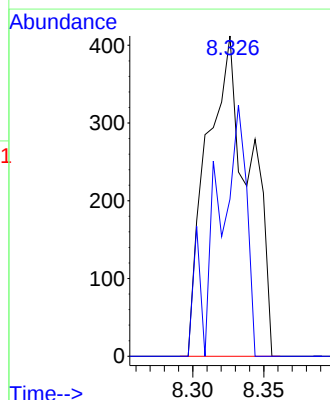
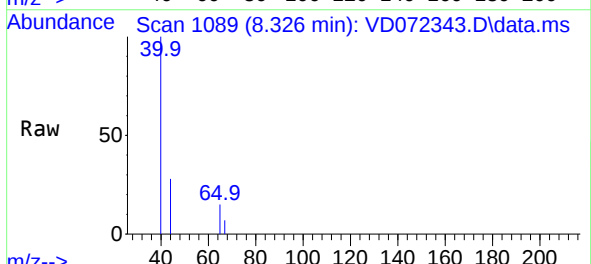
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

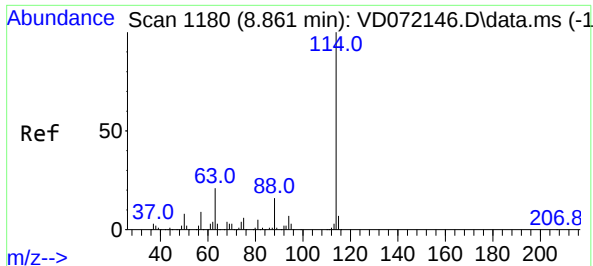
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#33
1,2-Dichloroethane-d4
Concen: 60.007 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion: 65 Resp: 860
Ion Ratio Lower Upper
65 100
67 54.0 0.0 101.4

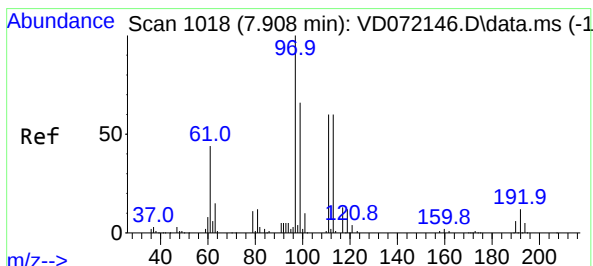
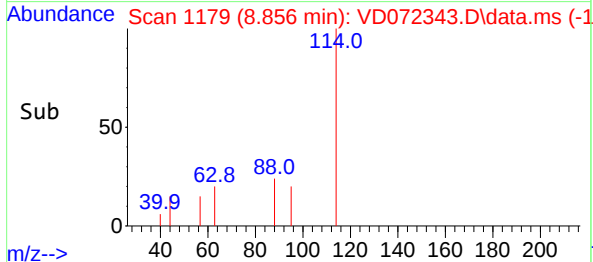
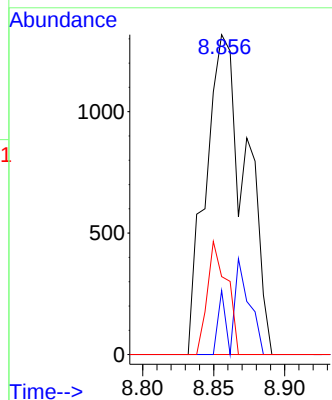
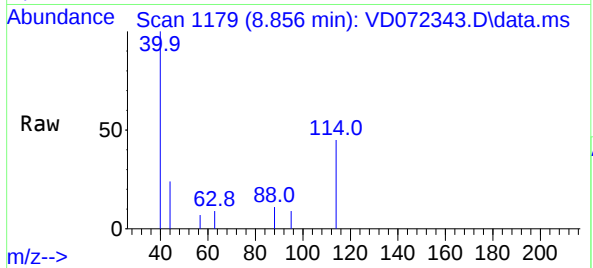




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

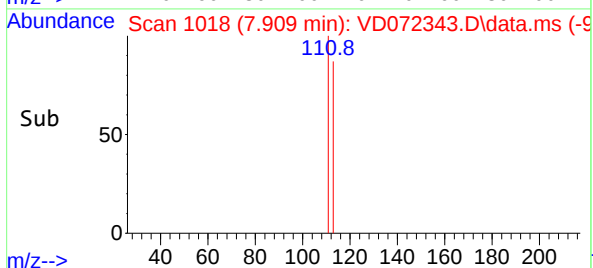
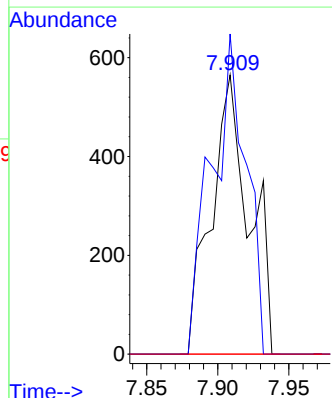
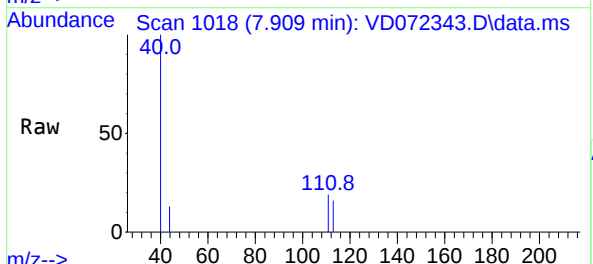
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

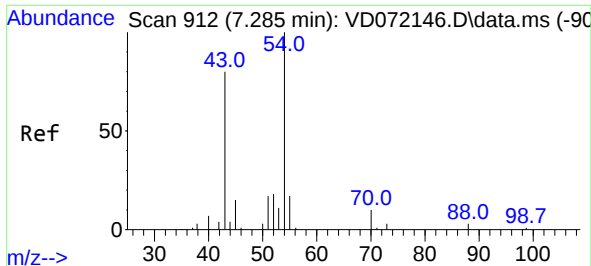
Tgt Ion:	114	Resp:	2586
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	46.6
88	24.4	0.0	33.2



#35
Dibromofluoromethane
Concen: 57.699 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion:	113	Resp:	1050
Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.8	125.6
192	0.0	14.6	21.8





#37

Ethyl Acetate

Concen: 5.008 ug/l

RT: 7.373 min Scan# 91

Delta R.T. 0.088 min

Lab File: VD072343.D

Acq: 21 Mar 2022 16:36

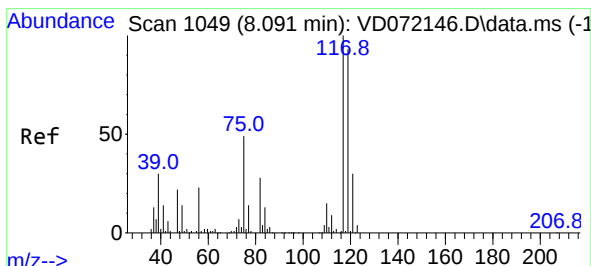
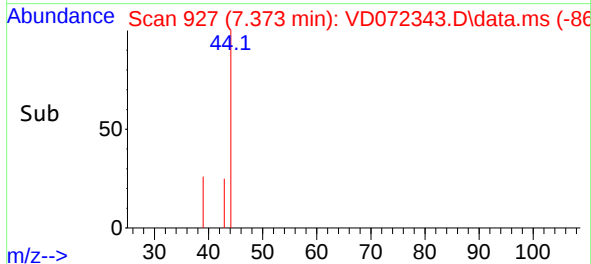
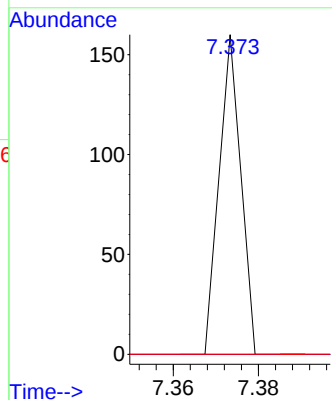
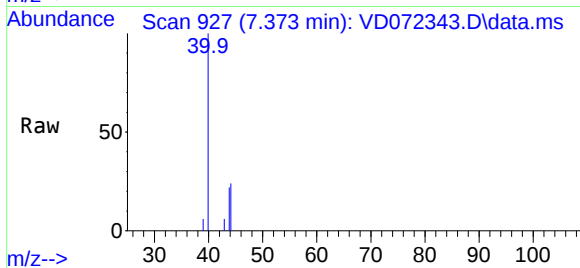
Instrument :

MSVOA_D

ClientSampleId :

G-4-3-6-7RE

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 2.860 ug/l

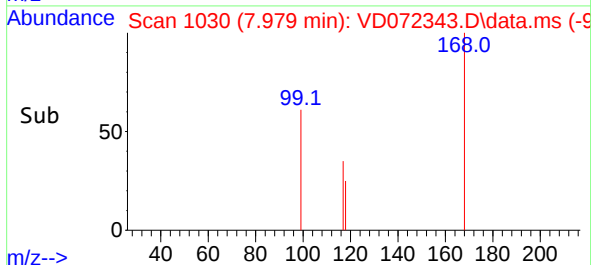
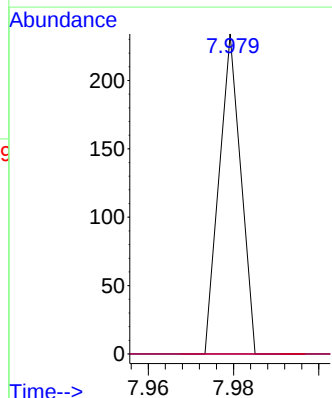
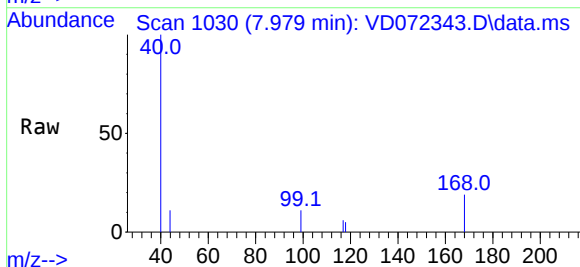
RT: 7.979 min Scan# 1030

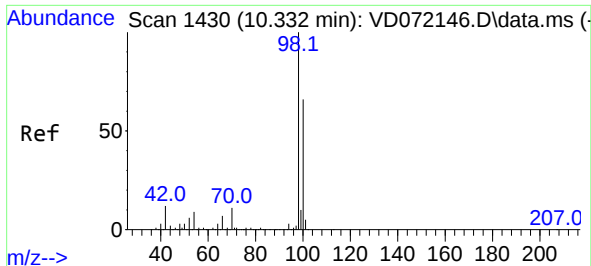
Delta R.T. -0.112 min

Lab File: VD072343.D

Acq: 21 Mar 2022 16:36

Tgt Ion:	117	Resp:	83
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.5	36.7#

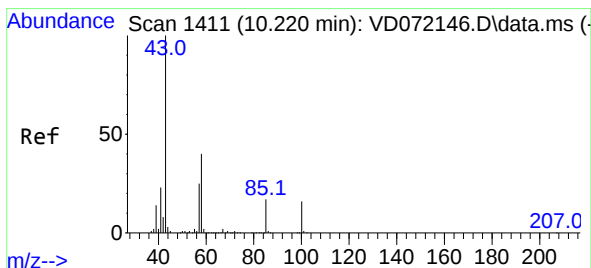
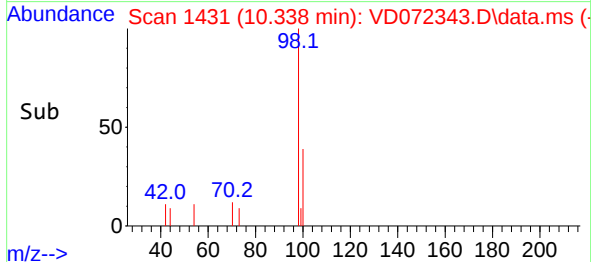
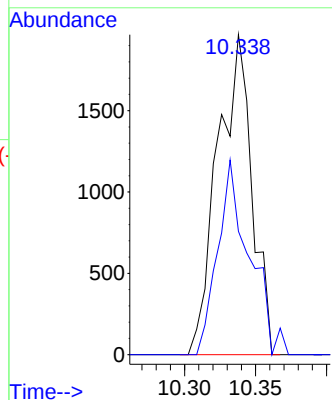
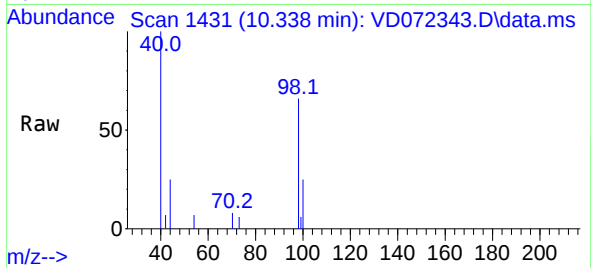




#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

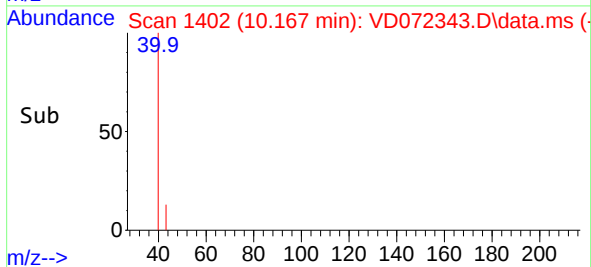
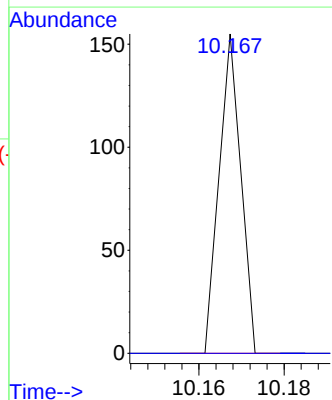
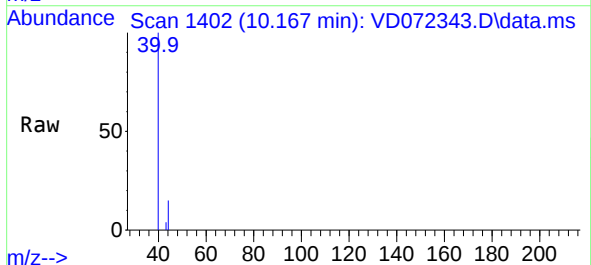
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MSVOA_D
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G-4-3-6-7RE

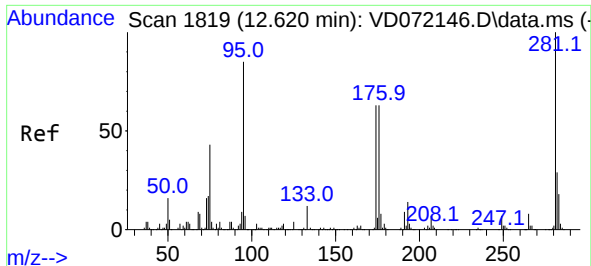
Tgt Ion: 98 Resp: 3297
Ion Ratio Lower Upper
98 100
100 56.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 4.824 ug/l
RT: 10.167 min Scan# 1402
Delta R.T. -0.053 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

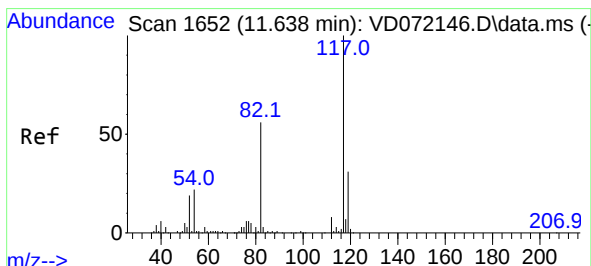
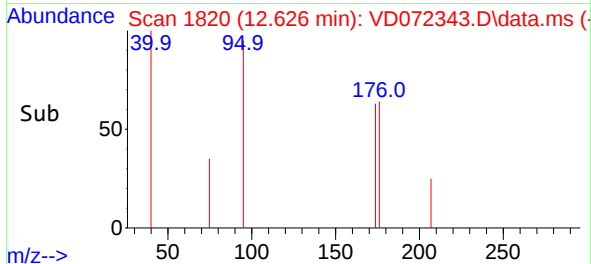
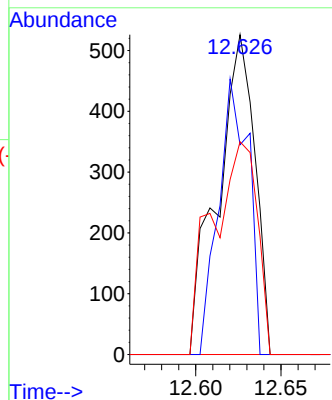
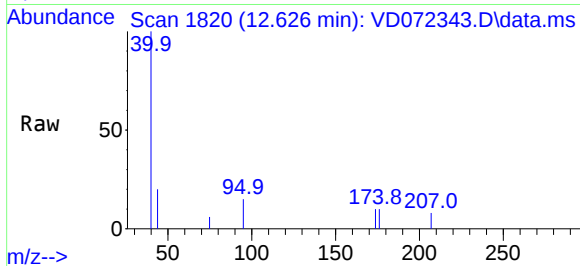




#62
4-Bromofluorobenzene
Concen: 31.174 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

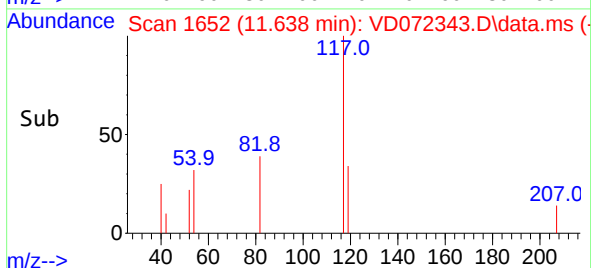
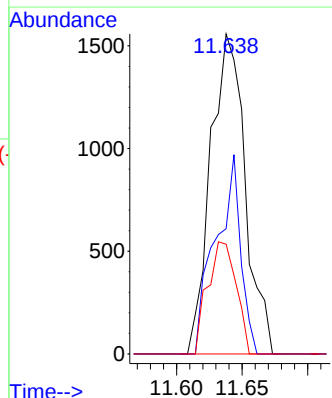
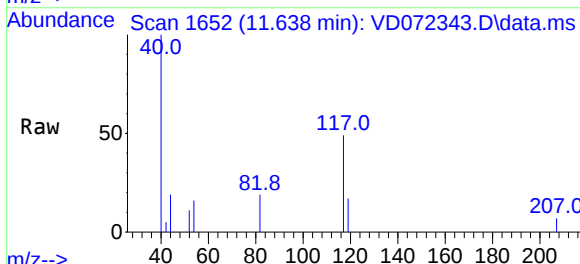
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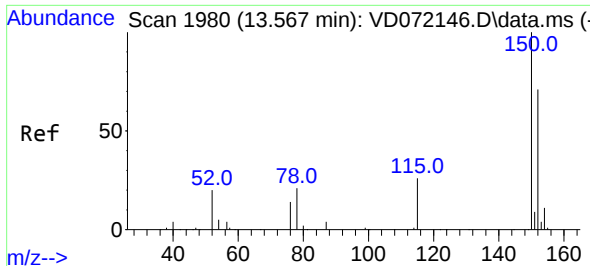
Tgt Ion:	95	Resp:	806
Ion	Ratio	Lower	Upper
95	100		
174	68.7	0.0	152.8
176	79.4	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion:	117	Resp:	2851
Ion	Ratio	Lower	Upper
117	100		
82	39.2	45.3	67.9#
119	34.3	26.6	40.0

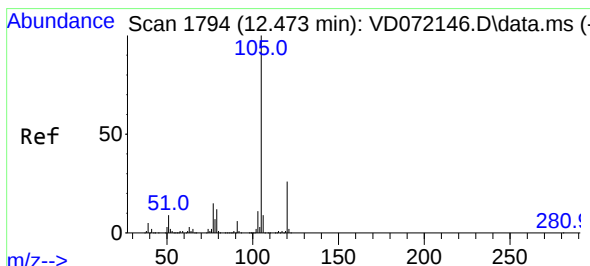
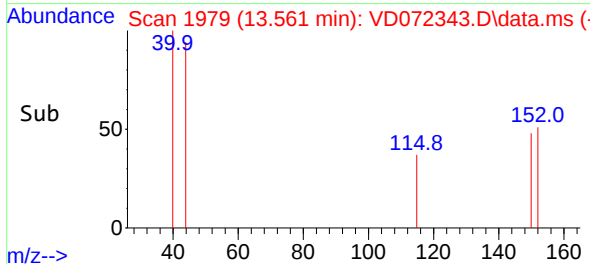
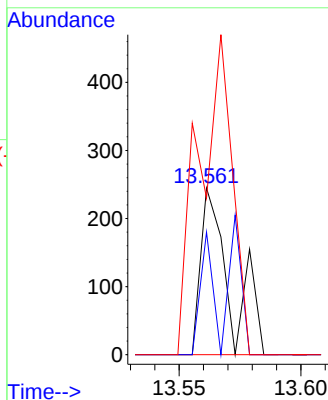
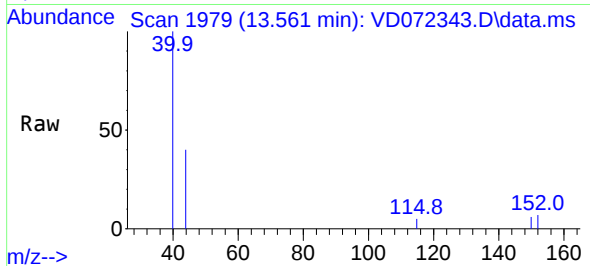




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

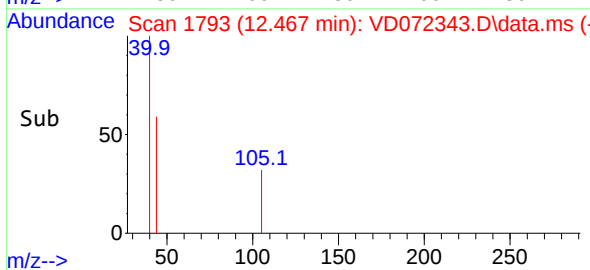
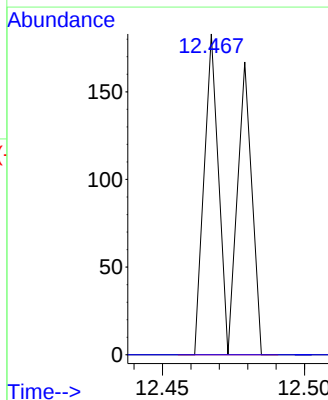
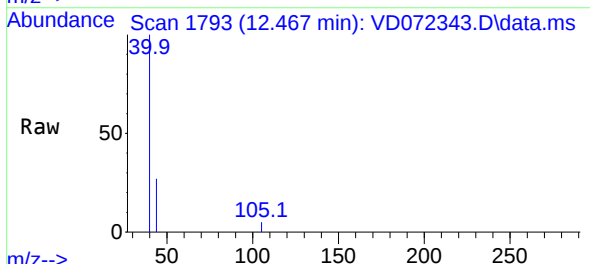
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

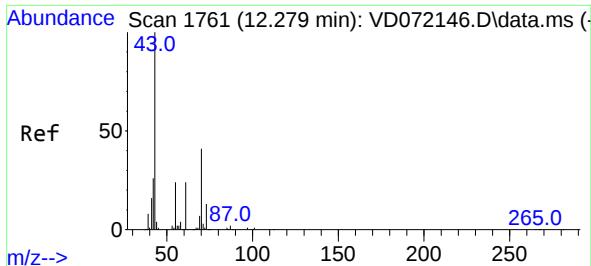
Tgt Ion:152 Resp: 202
Ion Ratio Lower Upper
152 100
115 31.7 31.3 93.8
150 221.3 0.0 348.6



#73
Isopropylbenzene
Concen: 7.684 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion:105 Resp: 123
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#

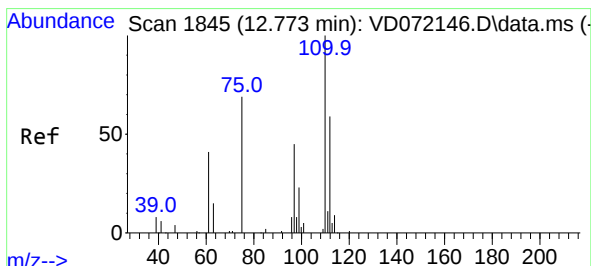
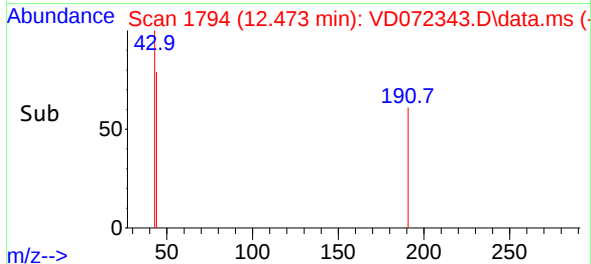
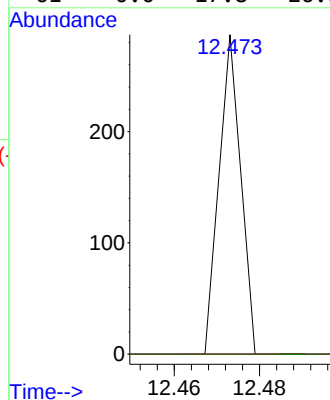
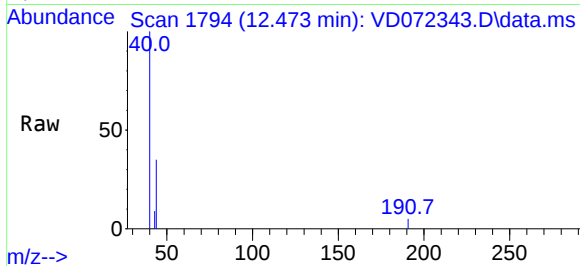




#74
N-amy1 acetate
Concen: 29.360 ug/l
RT: 12.473 min Scan# 11
Delta R.T. 0.194 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

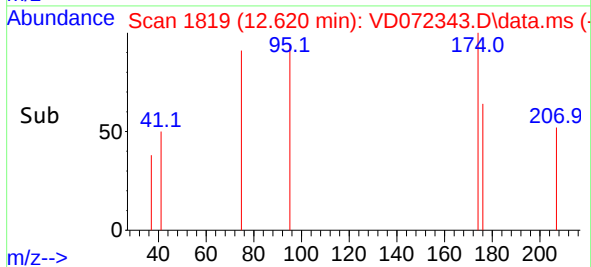
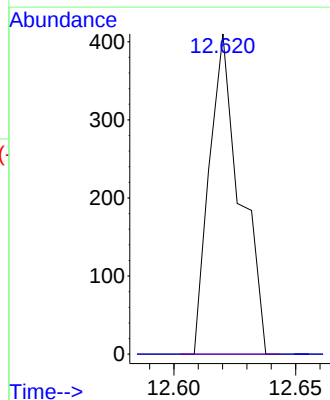
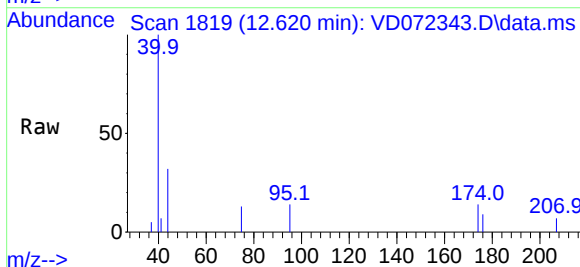
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

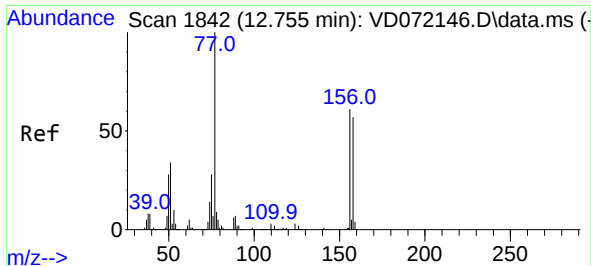
Tgt Ion: 43	Resp:	101
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.3 46.9#
55	0.0	20.0 30.0#
61	0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 162.011 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion: 75	Resp:	361
Ion	Ratio	Lower Upper
75	100	
77	0.0	0.0 0.0

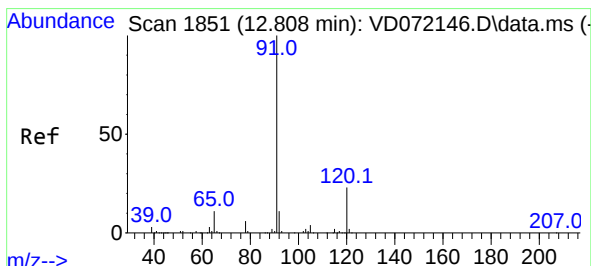
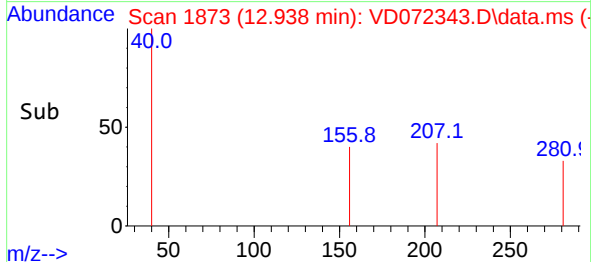
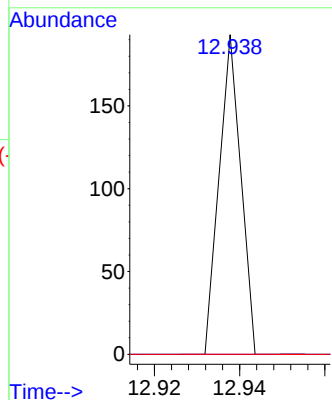
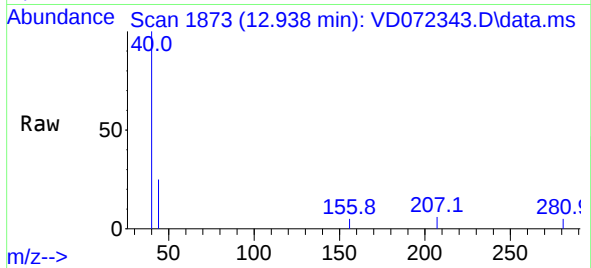




#77
Bromobenzene
Concen: 18.874 ug/l
RT: 12.938 min Scan# 1864
Delta R.T. 0.182 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

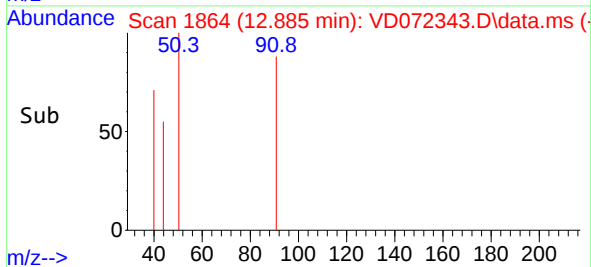
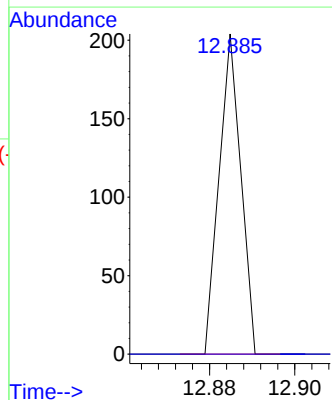
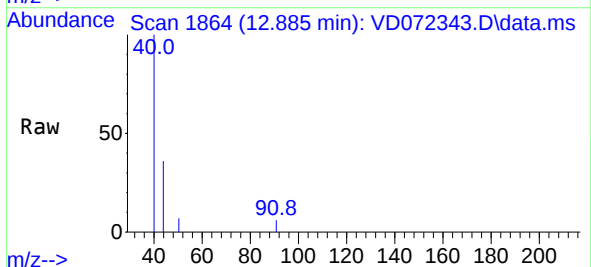
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

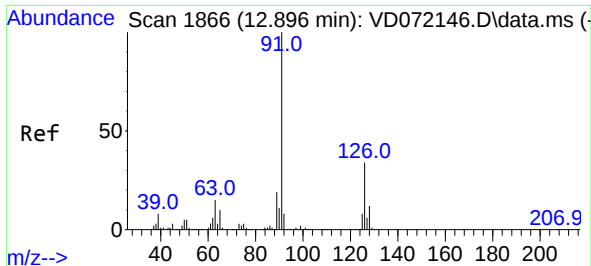
Tgt Ion:156 Resp: 68
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#



#78
n-propylbenzene
Concen: 3.703 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. 0.077 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

Tgt Ion: 91 Resp: 72
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#

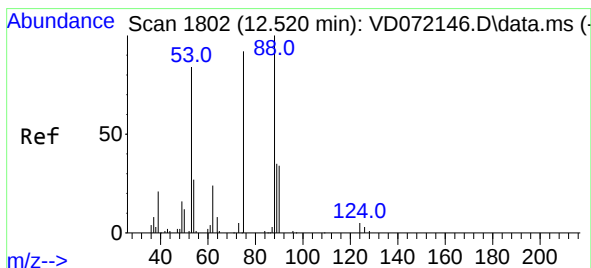
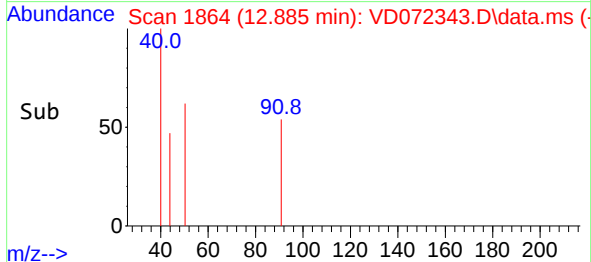
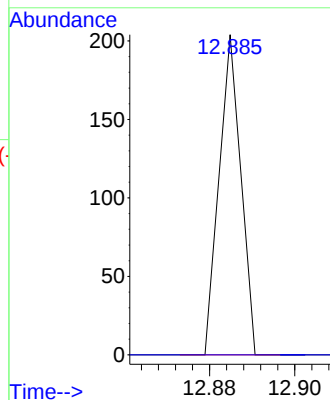
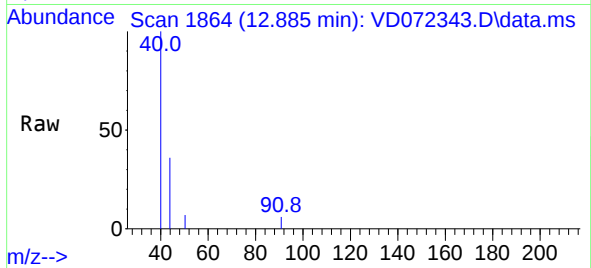




#79
2-Chlorotoluene
Concen: 6.404 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.012 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

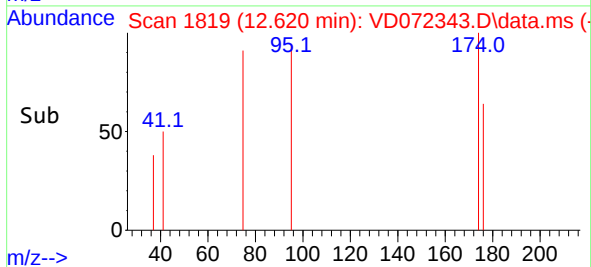
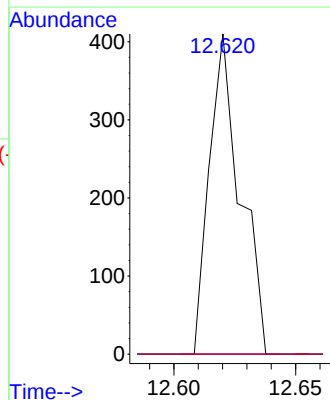
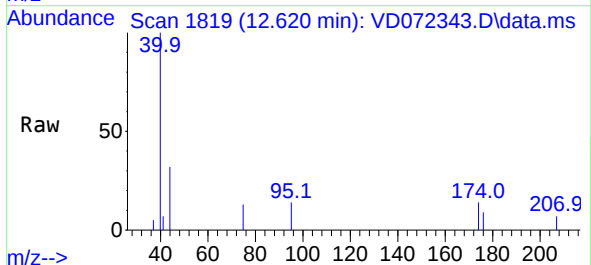
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7RE

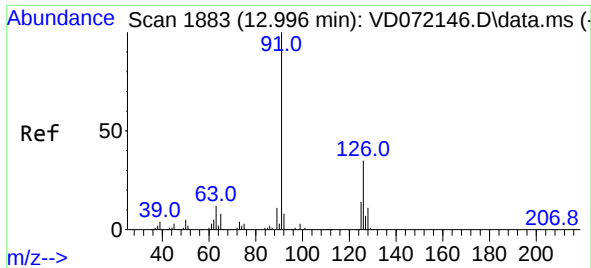
Tgt Ion: 91 Resp: 72
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 401.967 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072343.D
Acq: 21 Mar 2022 16:36

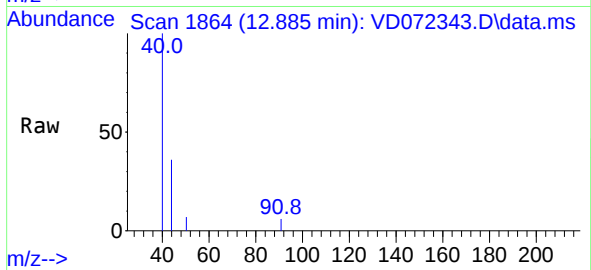
Tgt Ion: 75 Resp: 361
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#82
 4-Chlorotoluene
 Concen: 6.185 ug/l
 RT: 12.885 min Scan# 11
 Delta R.T. -0.112 min
 Lab File: VD072343.D
 Acq: 21 Mar 2022 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-3-6-7RE



Tgt Ion: 91 Resp: 72
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 49.5#

