

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022122\
 Data File : VD072032.D
 Acq On : 21 Feb 2022 15:04
 Operator : VA/SY
 Sample : N1626-03
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CC-A2

Quant Time: Feb 22 01:05:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

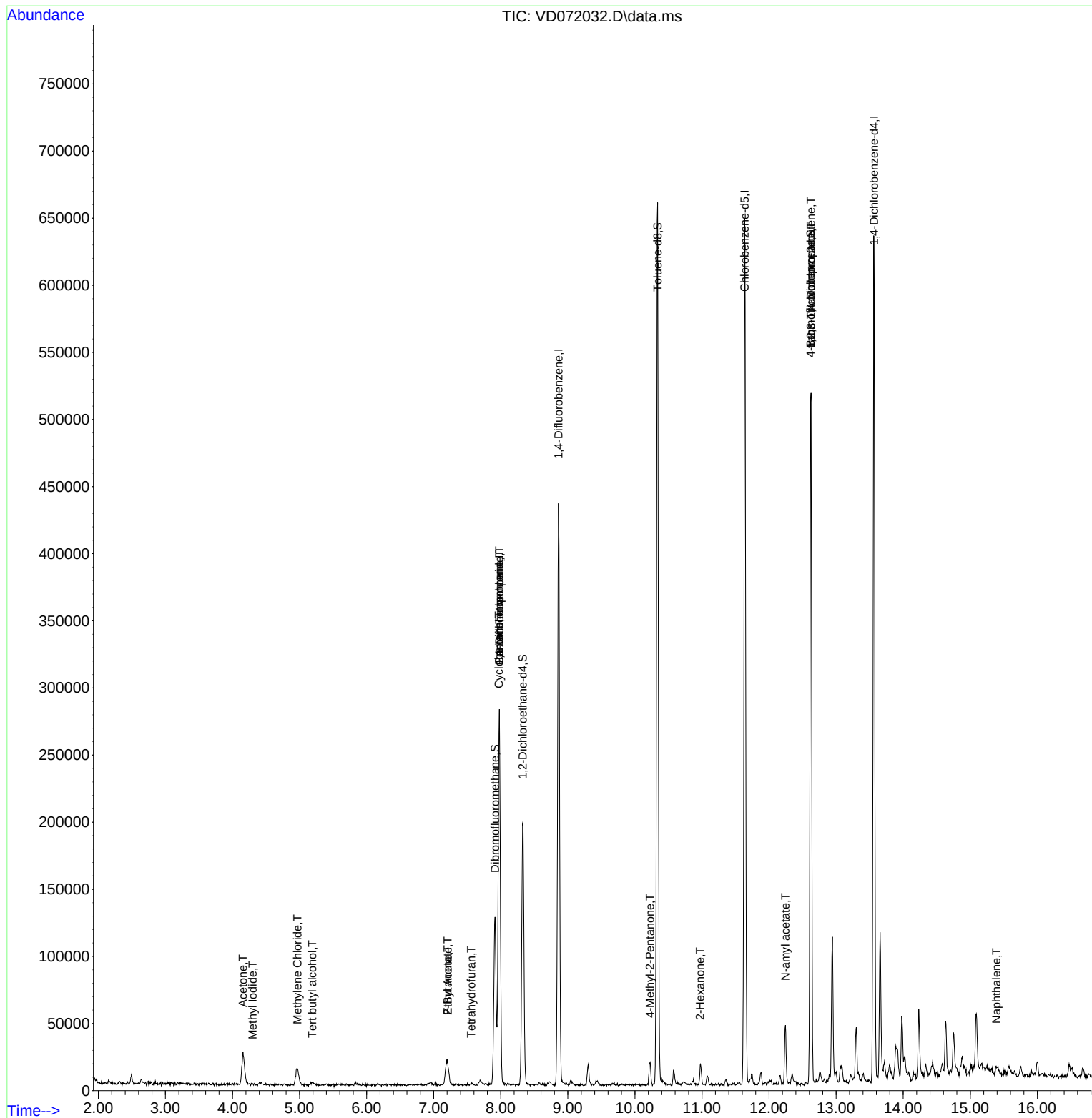
Internal Standards						
1) Pentafluorobenzene	7.979	168	207460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	368329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	369645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	165257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	161583	75.086	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.180%	
35) Dibromofluoromethane	7.914	113	90586	40.592	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.180%	
50) Toluene-d8	10.337	98	451358	54.540	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.080%	
62) 4-Bromofluorobenzene	12.620	95	168540	55.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	428	Below Cal		82
10) Methyl Iodide	4.302	142	135	2.978	ug/l #	40
11) Tert butyl alcohol	5.191	59	1690	13.764	ug/l #	80
16) Acetone	4.155	43	43252	92.999	ug/l	99
18) Methyl Acetate	4.696	43	54	Below Cal	#	52
20) Methylene Chloride	4.967	84	10026	4.332	ug/l	95
25) 2-Butanone	7.208	43	14117	21.962	ug/l	95
29) Tetrahydrofuran	7.561	42	750	1.828	ug/l #	83
31) Cyclohexane	7.973	56	4772	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	16877	4.993	ug/l #	49
37) Ethyl Acetate	7.208	43	14117	9.006	ug/l #	80
38) Carbon Tetrachloride	7.979	117	21587	6.231	ug/l #	17
51) 4-Methyl-2-Pentanone	10.226	43	12375	7.999	ug/l	98
59) 2-Hexanone	10.973	43	10988	10.413	ug/l	92
74) N-amyl acetate	12.243	43	28270	10.318	ug/l #	48
76) 1,2,3-Trichloropropane	12.625	75	87010	55.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	87010	139.197	ug/l #	10
95) Naphthalene	15.390	128	5387	1.026	ug/l #	87

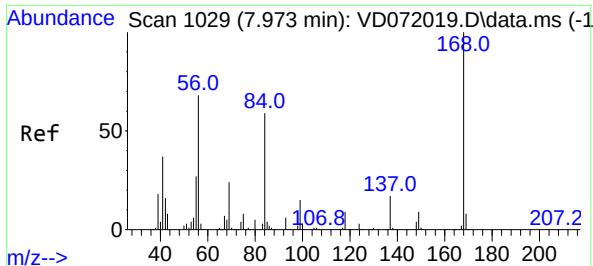
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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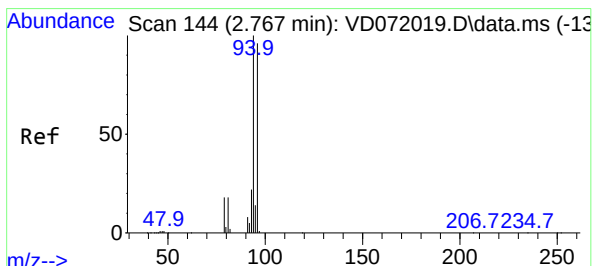
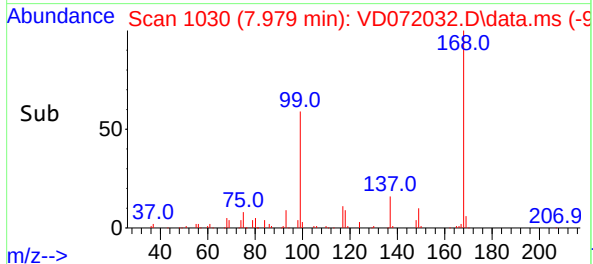
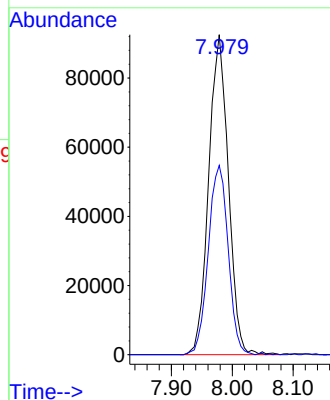
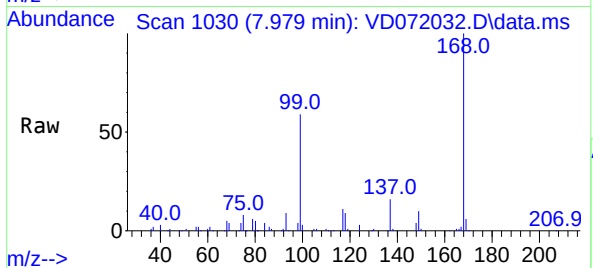




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

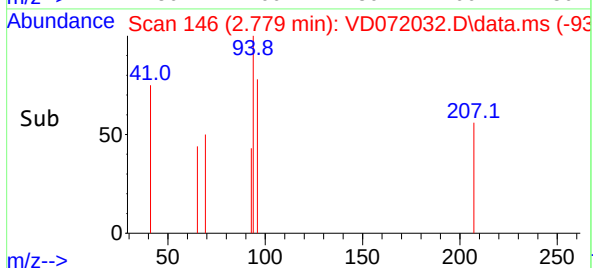
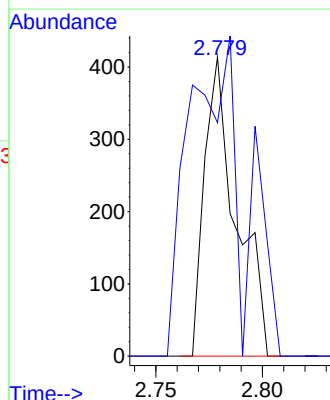
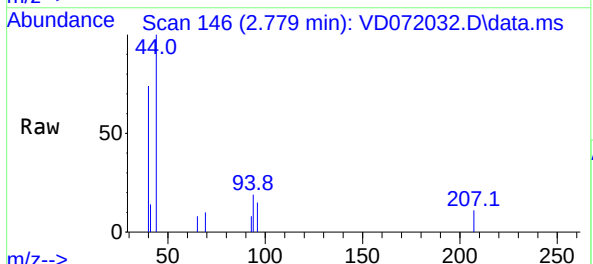
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

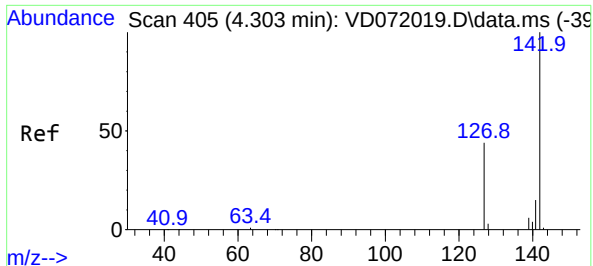
Tgt Ion:168 Resp: 207460
Ion Ratio Lower Upper
168 100
99 59.1 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 78.0 76.8 115.2

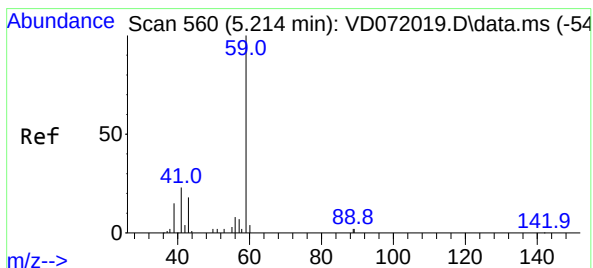
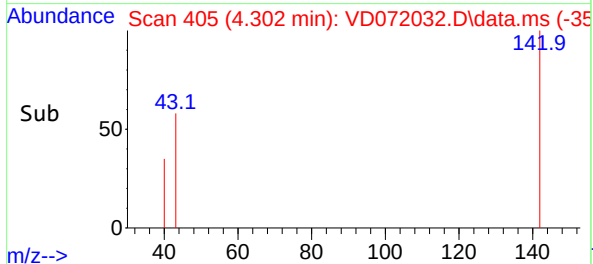
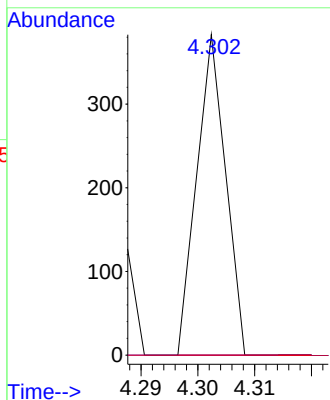
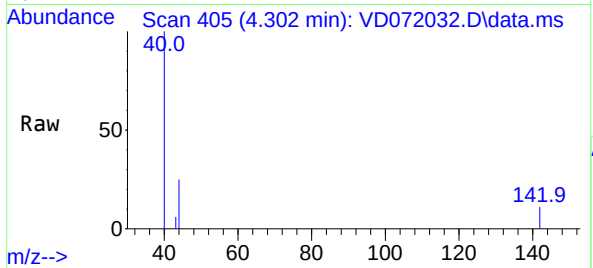




#10
Methyl Iodide
Concen: 2.978 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

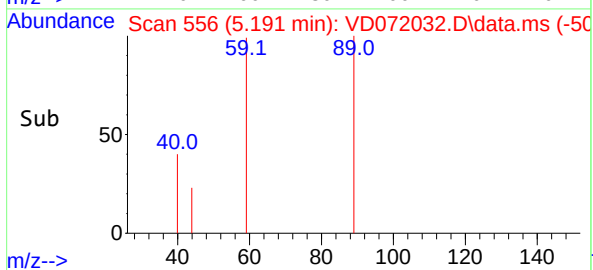
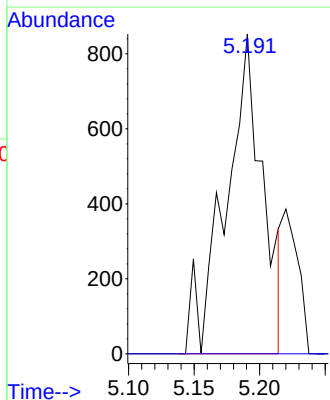
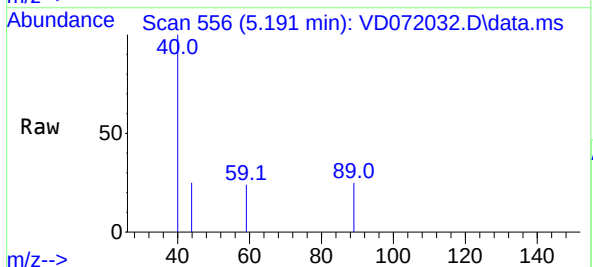
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

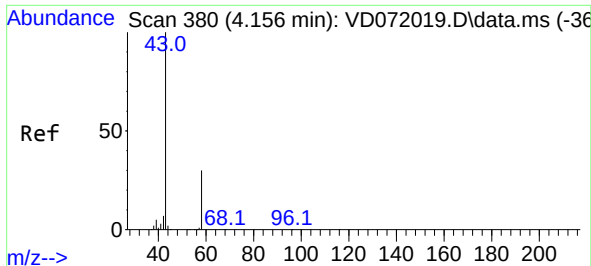
Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 13.764 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 59 Resp: 1690
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

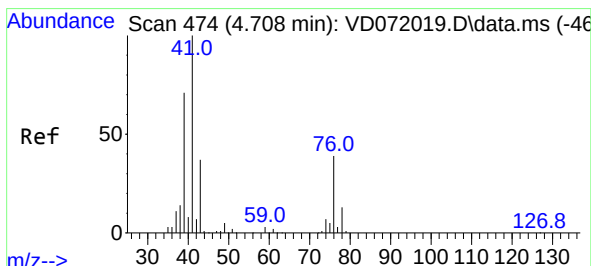
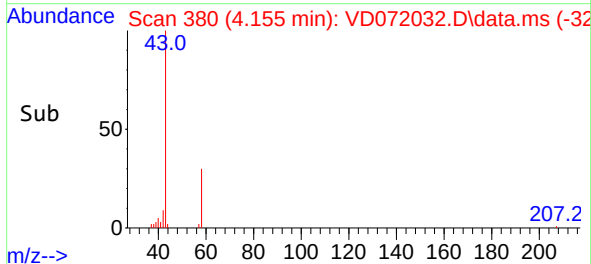
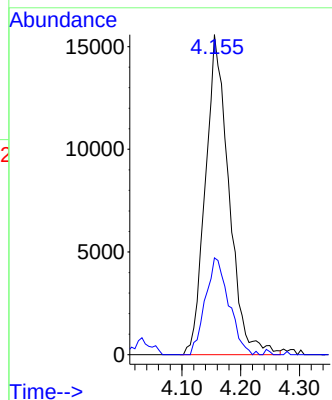
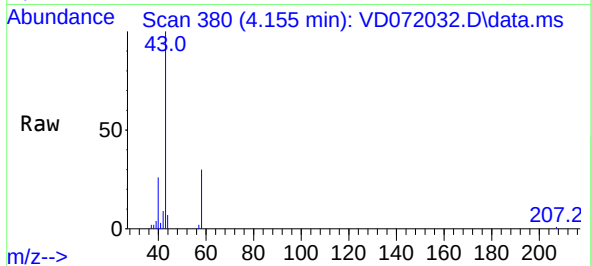




#16
Acetone
Concen: 92.999 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

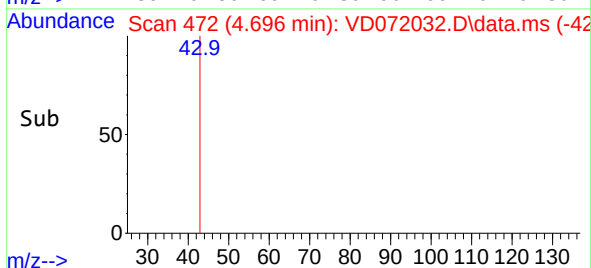
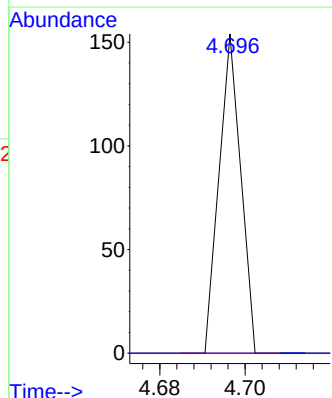
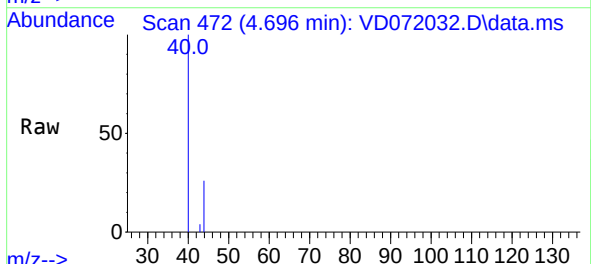
Instrument :
MSVOA_D
Client SampleId :
CC-A2

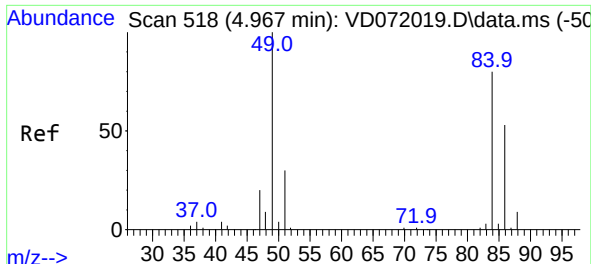
Tgt Ion: 43 Resp: 43252
Ion Ratio Lower Upper
43 100
58 30.2 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.696 min Scan# 472
Delta R.T. -0.012 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



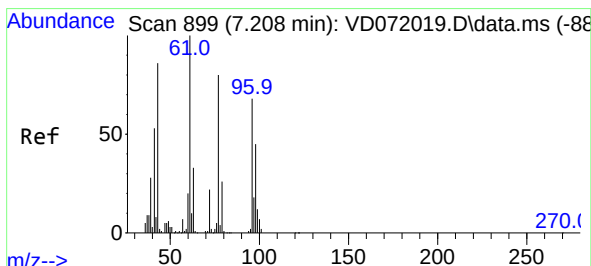
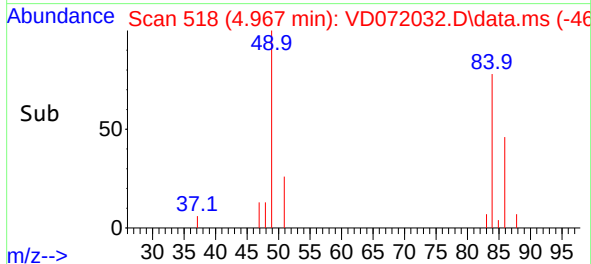
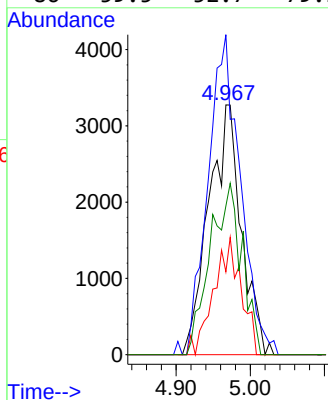
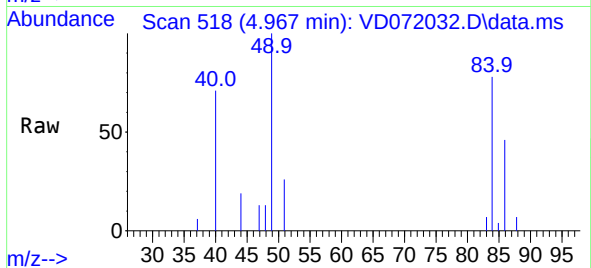


#20
Methylene Chloride
Concen: 4.332 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Instrument :
MSVOA_D
ClientSampleId :
CC-A2

Tgt Ion: 84 Resp: 10026

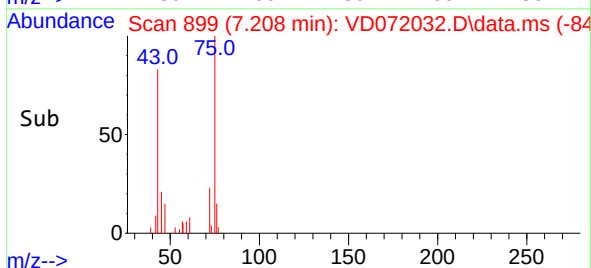
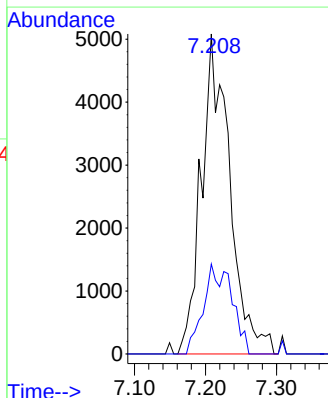
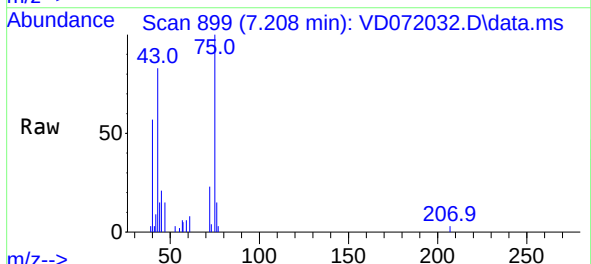
Ion	Ratio	Lower	Upper
84	100		
49	128.2	100.0	150.0
51	33.2	30.2	45.4
86	59.5	52.7	79.1

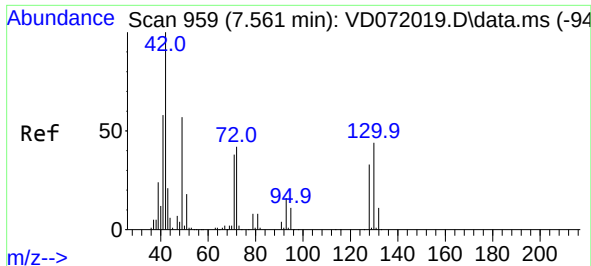


#25
2-Butanone
Concen: 21.962 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 43 Resp: 14117

Ion	Ratio	Lower	Upper
43	100		
72	28.1	20.3	30.5





#29

Tetrahydrofuran

Concen: 1.828 ug/l

RT: 7.561 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

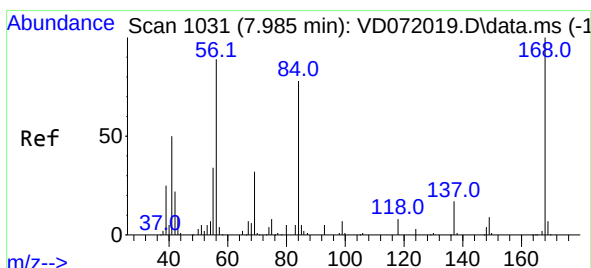
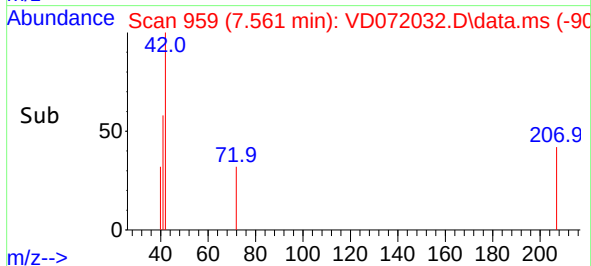
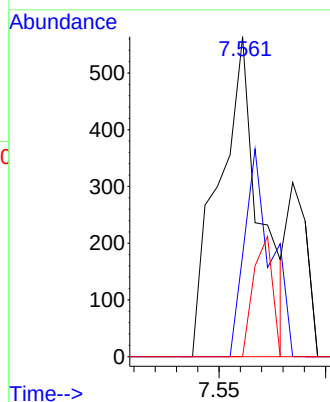
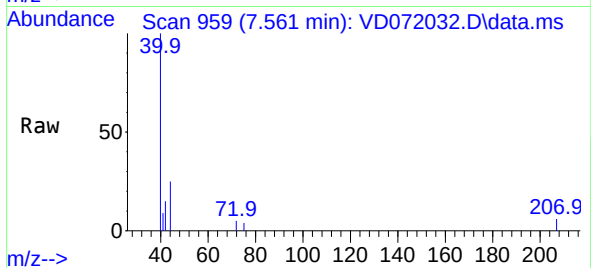
Instrument :

MSVOA_D

ClientSampleId :

CC-A2

Tgt Ion: 42	Resp:	750
Ion	Ratio	Lower Upper
42	100	
72	42.4	33.6 50.4
71	17.5	31.0 46.4



#31

Cyclohexane

Concen: 1.255 ug/l

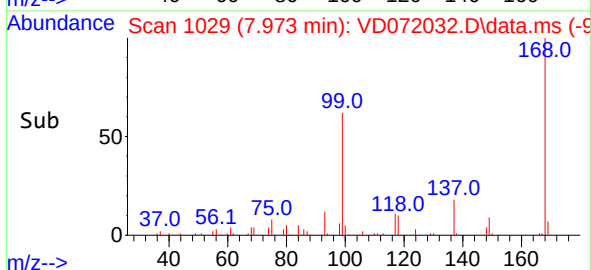
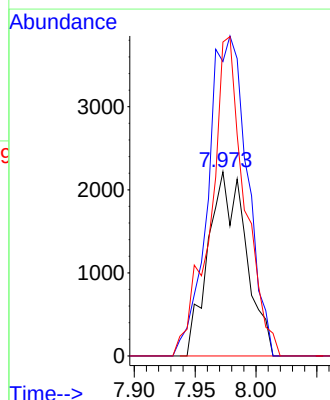
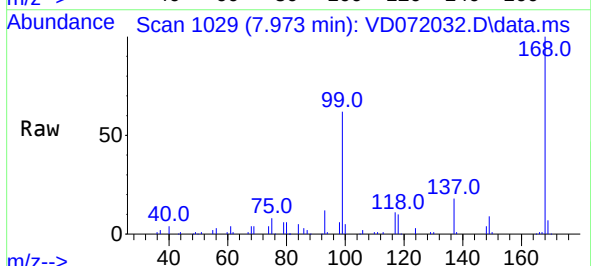
RT: 7.973 min Scan# 1029

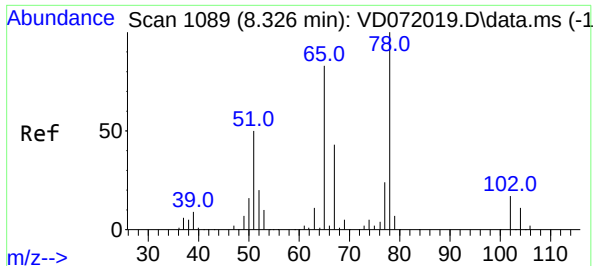
Delta R.T. -0.012 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

Tgt Ion: 56	Resp:	4772
Ion	Ratio	Lower Upper
56	100	
69	159.8	28.9 43.3
84	170.4	70.6 105.8





#33

1,2-Dichloroethane-d4

Concen: 75.086 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

Instrument :

MSVOA_D

ClientSampleId :

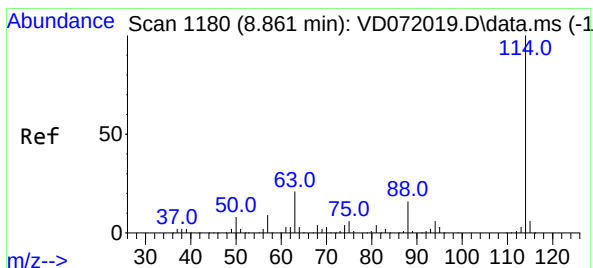
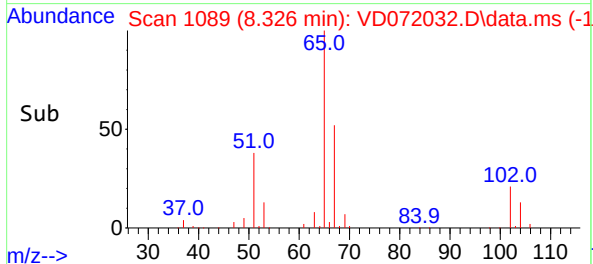
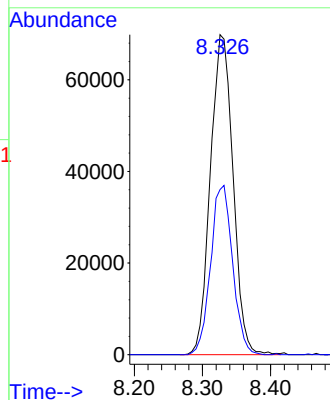
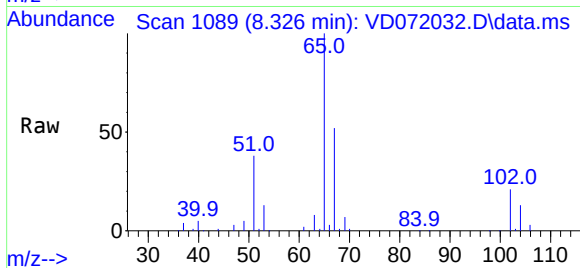
CC-A2

Tgt Ion: 65 Resp: 161583

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

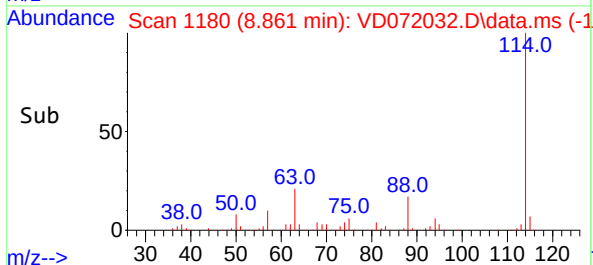
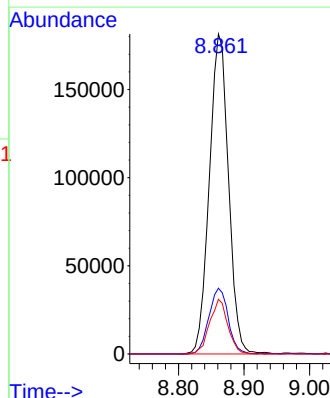
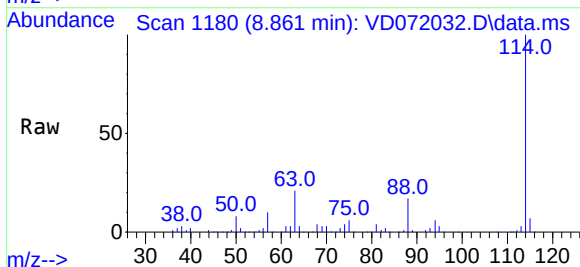
Tgt Ion: 114 Resp: 368329

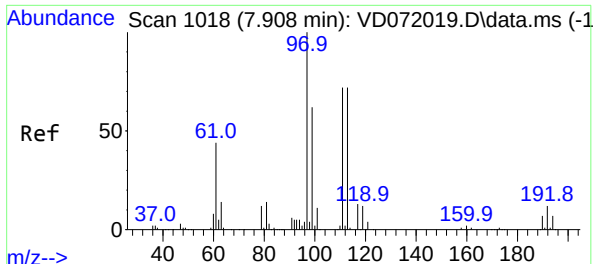
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 17.1 0.0 31.2

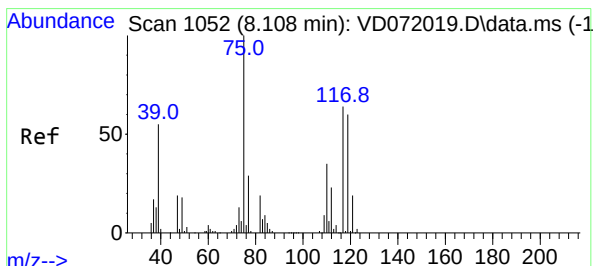
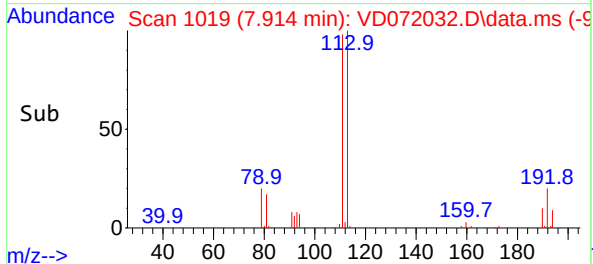
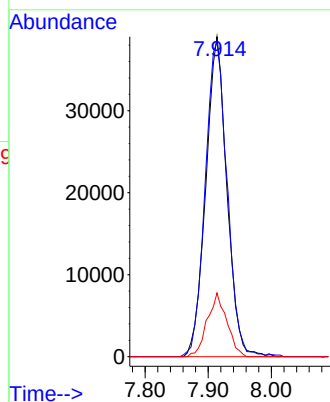
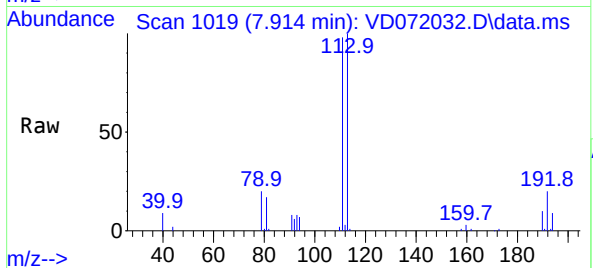




#35
Dibromofluoromethane
Concen: 40.592 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

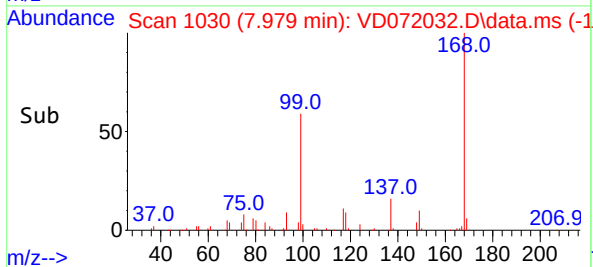
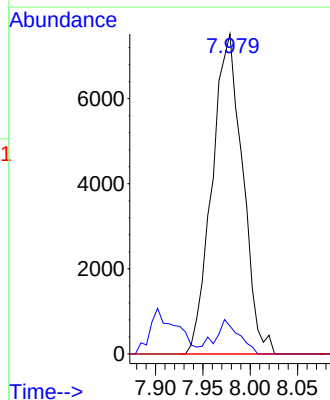
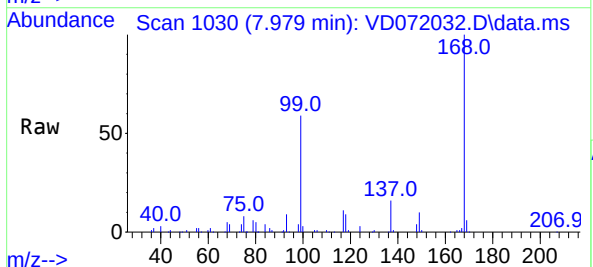
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

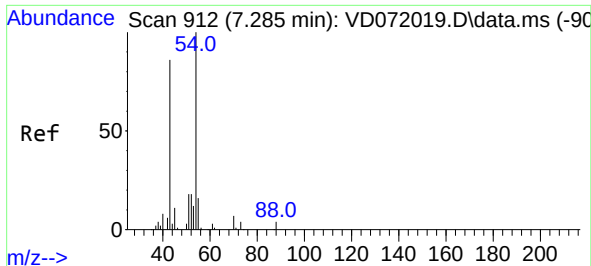
Tgt Ion:113 Resp: 90586
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 18.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 75 Resp: 16877
Ion Ratio Lower Upper
75 100
110 8.5 17.7 53.1#
77 0.0 24.8 37.2#

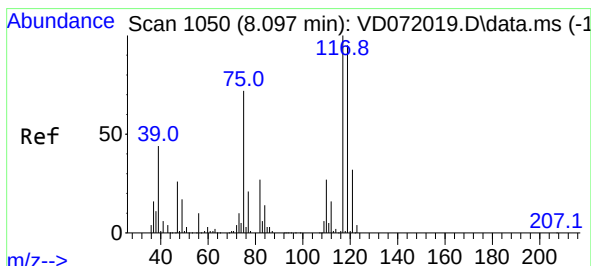
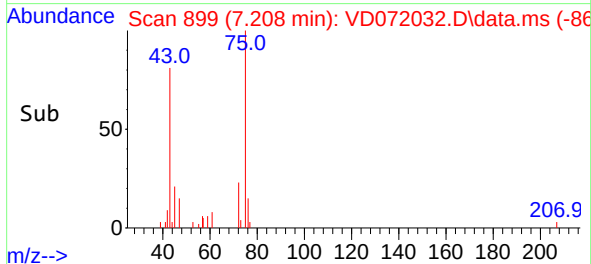
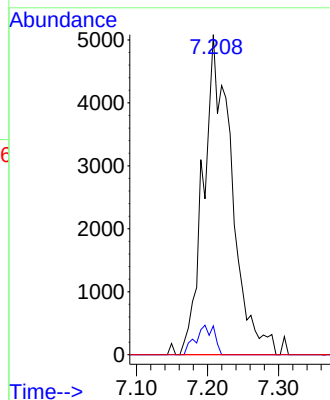
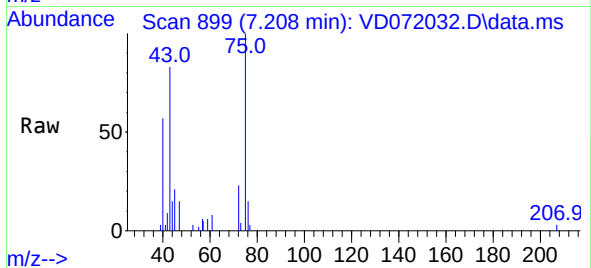




#37
Ethyl Acetate
Concen: 9.006 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.077 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

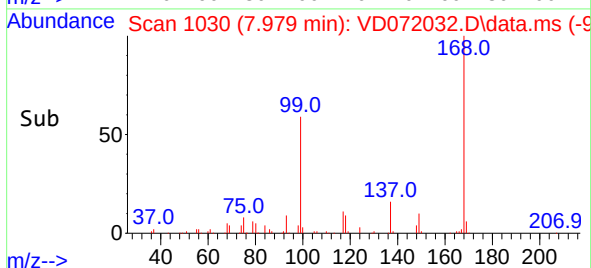
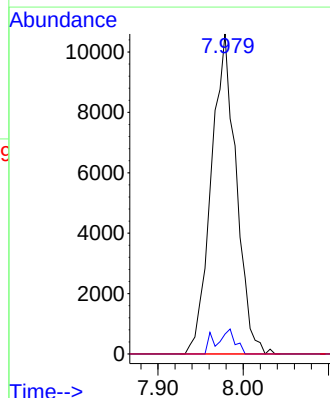
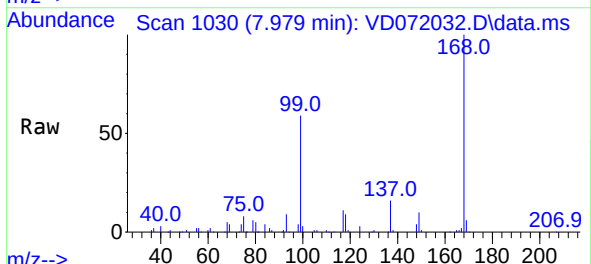
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

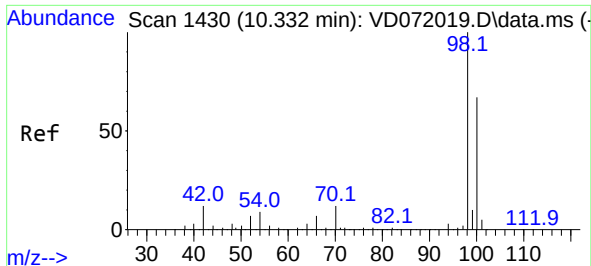
Tgt Ion: 43 Resp: 14117
Ion Ratio Lower Upper
43 100
61 6.0 9.8 14.8#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 117 Resp: 21587
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 25.8 38.6#

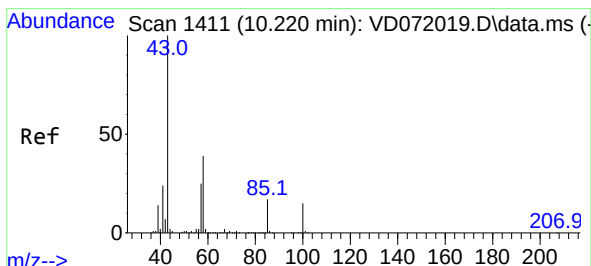
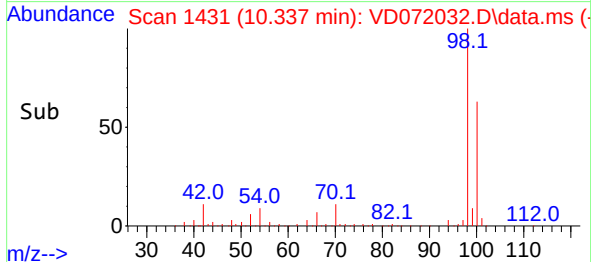
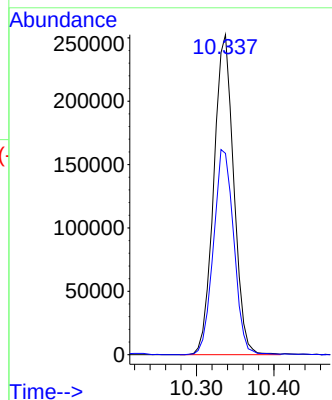
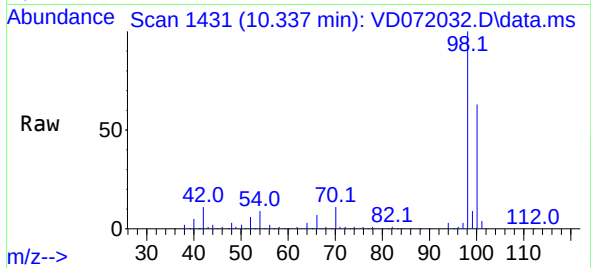




#50
Toluene-d8
Concen: 54.540 ug/l
RT: 10.337 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

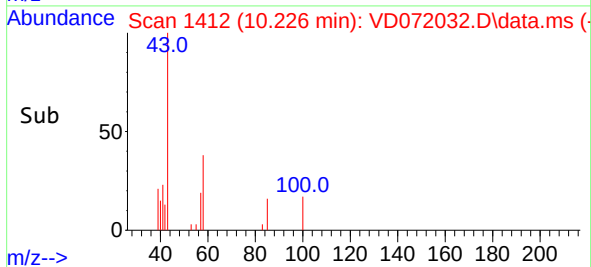
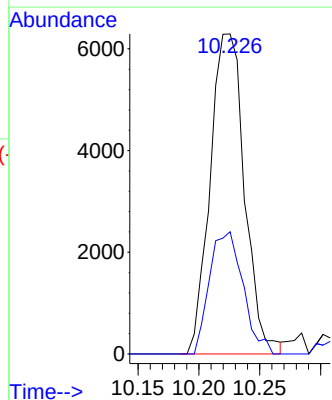
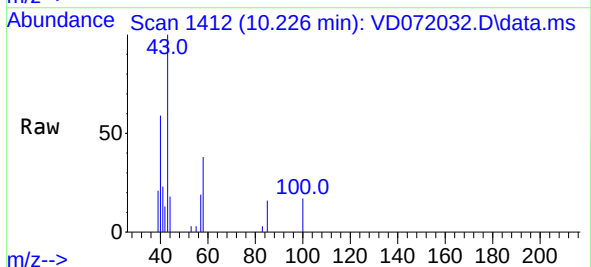
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

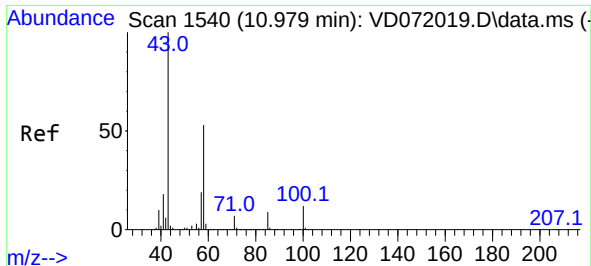
Tgt Ion: 98 Resp: 451358
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 7.999 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 43 Resp: 12375
Ion Ratio Lower Upper
43 100
58 37.1 30.8 46.2

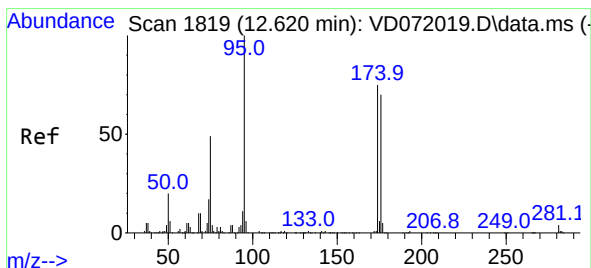
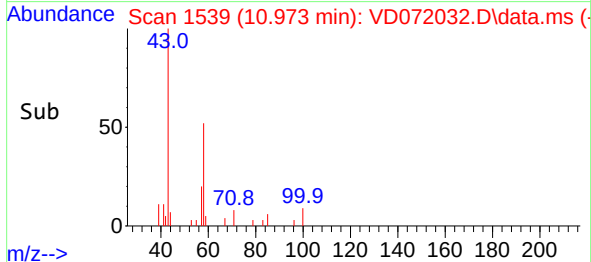
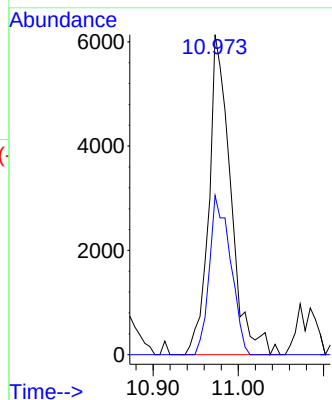
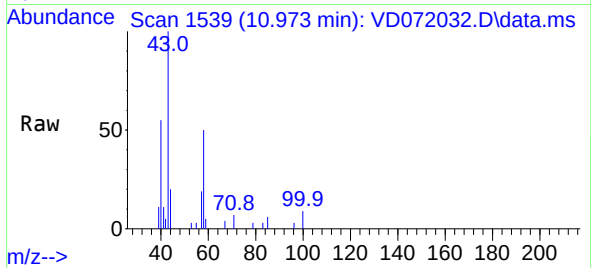




#59
2-Hexanone
Concen: 10.413 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

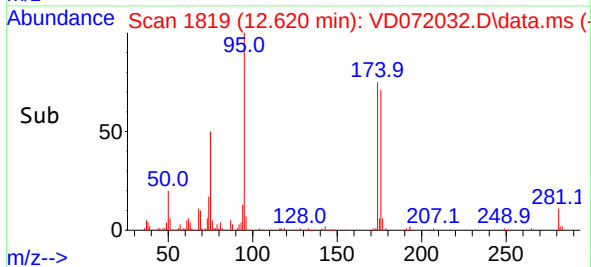
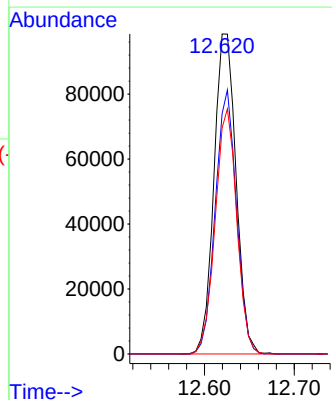
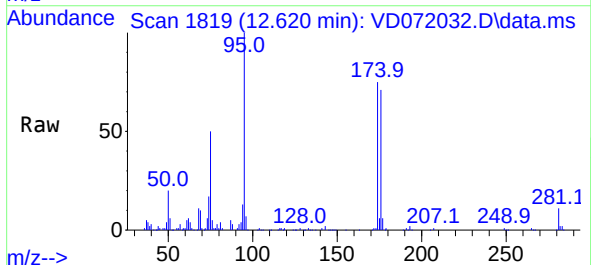
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

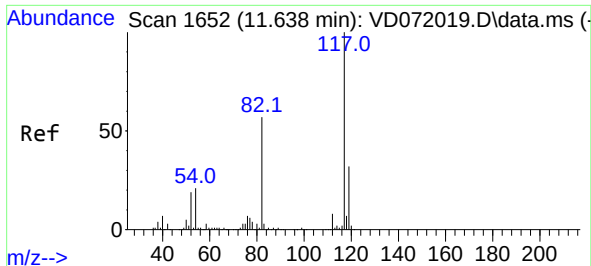
Tgt Ion: 43 Resp: 10988
Ion Ratio Lower Upper
43 100
58 47.9 27.0 80.8



#62
4-Bromofluorobenzene
Concen: 55.443 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 95 Resp: 168540
Ion Ratio Lower Upper
95 100
174 79.0 0.0 155.0
176 74.6 0.0 148.8

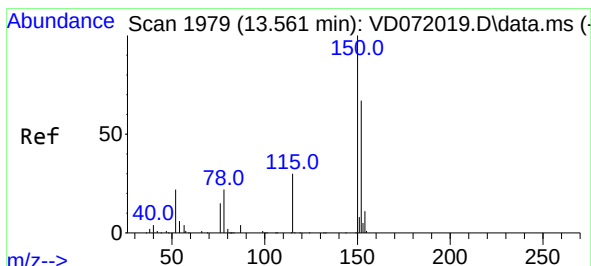
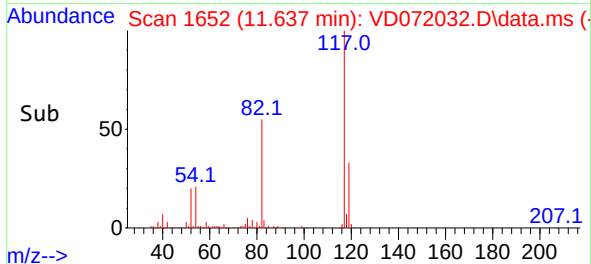
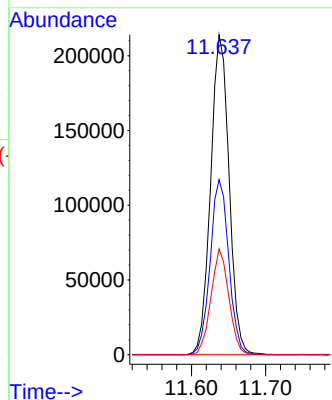
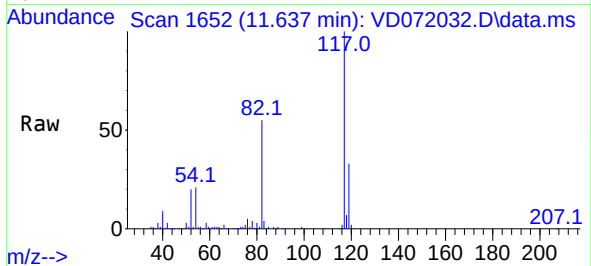




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

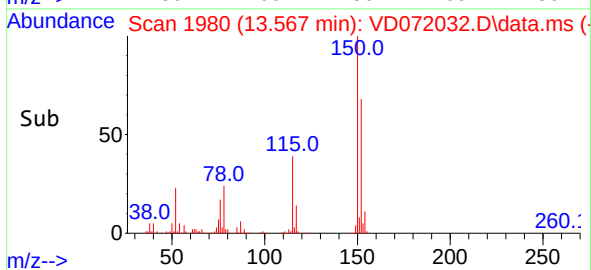
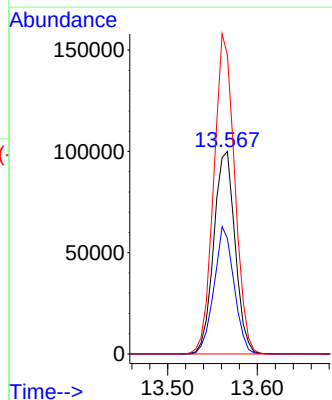
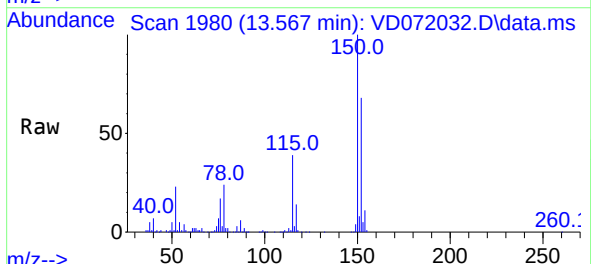
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

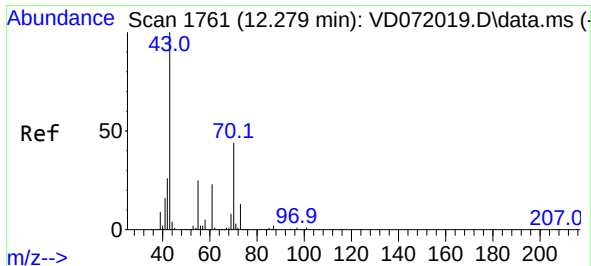
Tgt Ion:117 Resp: 369645
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.0
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion:152 Resp: 165257
Ion Ratio Lower Upper
152 100
115 59.1 29.9 89.7
150 154.8 0.0 347.6

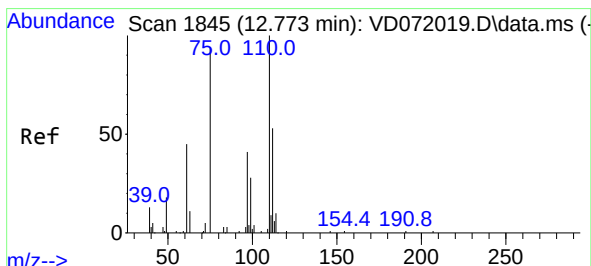
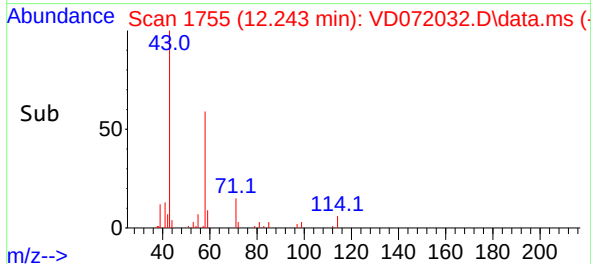
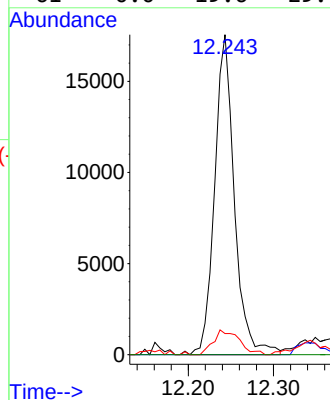
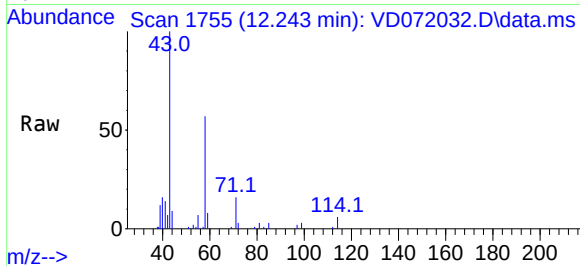




#74
N-amy1 acetate
Concen: 10.318 ug/l
RT: 12.243 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

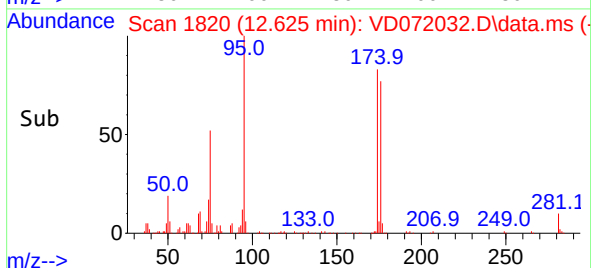
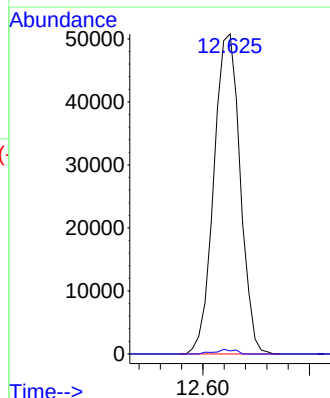
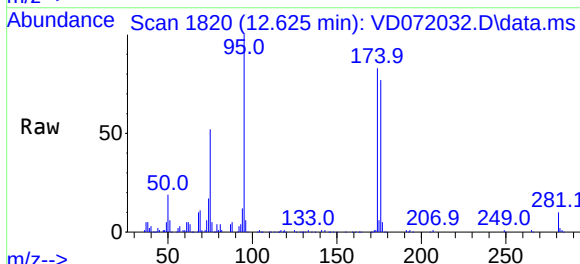
Instrument :
MSVOA_D
ClientSampleId :
CC-A2

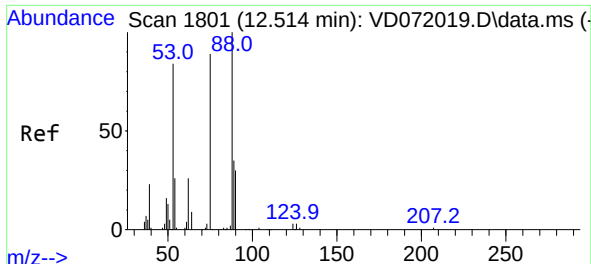
Tgt Ion: 43	Resp: 28270
Ion Ratio	Lower Upper
43 100	
70 0.0	33.2 49.8#
55 10.1	20.6 30.8#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 55.585 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 75	Resp: 87010
Ion Ratio	Lower Upper
75 100	
77 1.1	0.0 0.0#

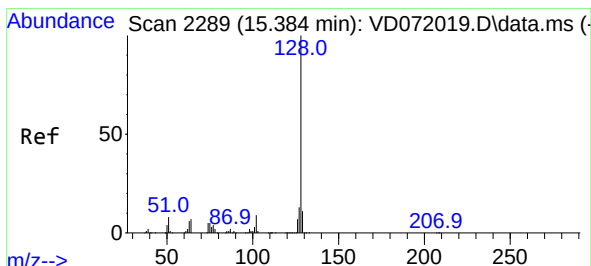
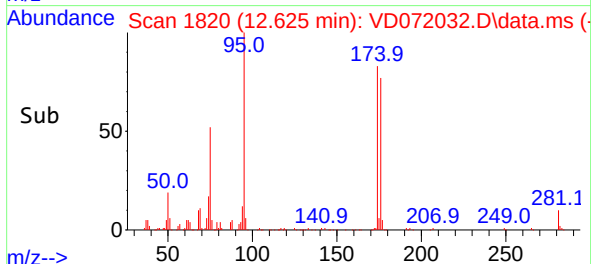
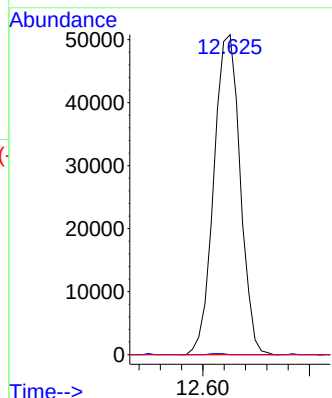
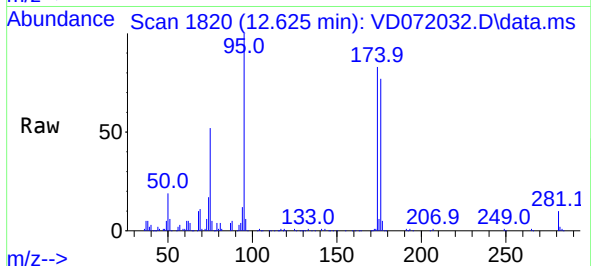




#81
trans-1,4-Dichloro-2-butene
Concen: 139.197 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.111 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Instrument :
MSVOA_D
ClientSampleId :
CC-A2

Tgt Ion: 75 Resp: 87010
Ion Ratio Lower Upper
75 100
53 0.2 80.2 120.4#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 1.026 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD072032.D
Acq: 21 Feb 2022 15:04

Tgt Ion: 128 Resp: 5387
Ion Ratio Lower Upper
128 100
127 17.7 10.3 15.5#
129 5.9 8.7 13.1#

