

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073599.D
 Acq On : 15 Jun 2022 19:00
 Operator : VA/SY
 Sample : N3268-01
 Misc : 8.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 06:04:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

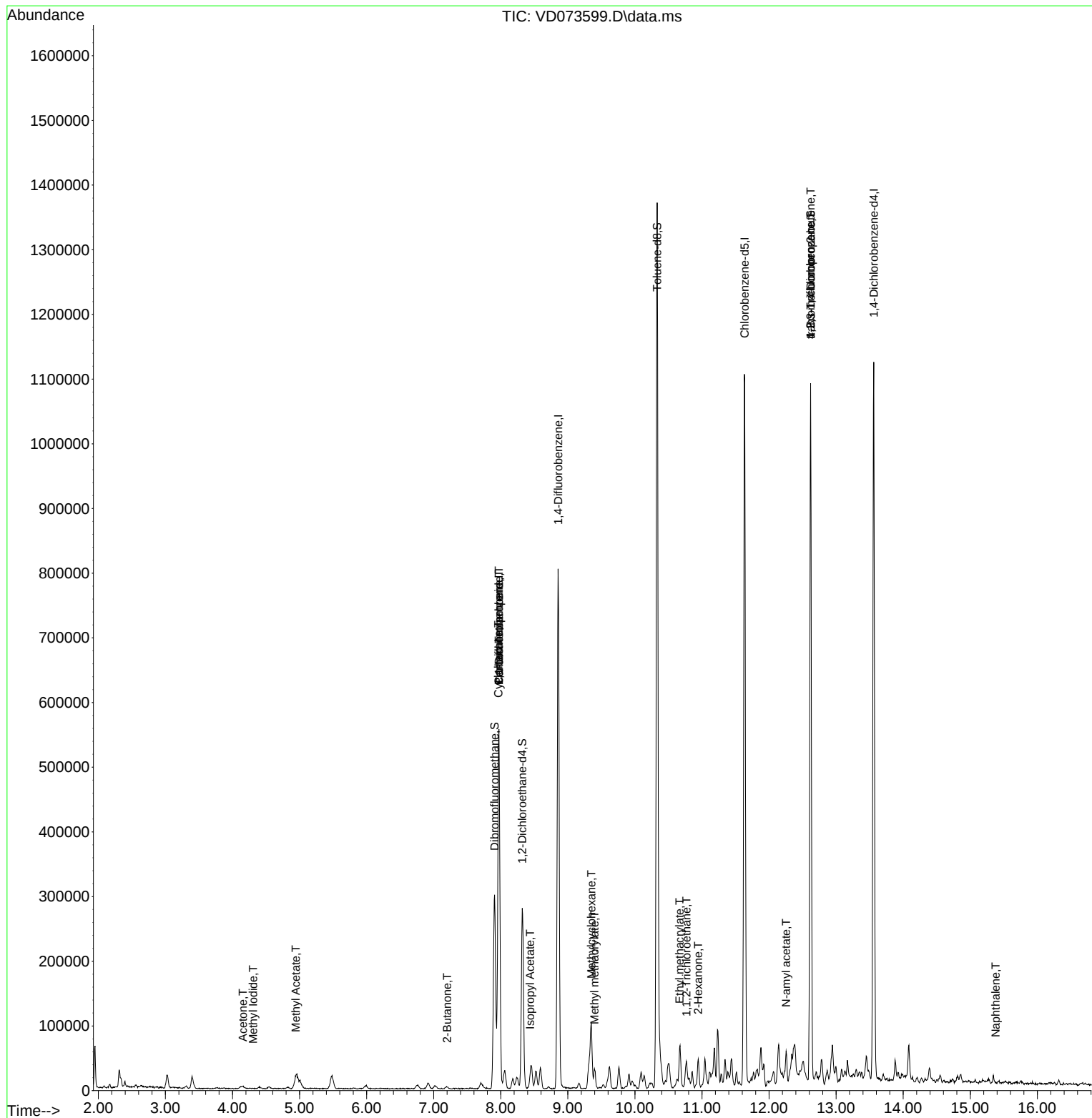
Internal Standards						
1) Pentafluorobenzene	7.973	168	403858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	708540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	668476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	310770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	220108	50.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.580%
35) Dibromofluoromethane	7.908	113	221342	48.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.332	98	858087	49.812	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.620	95	306517	49.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.020%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	265	4.222	ug/l #	38
11) Tert butyl alcohol	5.185	59	392	Below Cal	#	74
16) Acetone	4.156	43	2817	3.692	ug/l	94
18) Methyl Acetate	4.944	43	6519	4.317	ug/l #	55
20) Methylene Chloride	4.967	84	13544	Below Cal	#	70
25) 2-Butanone	7.202	43	1196	1.065	ug/l #	52
31) Cyclohexane	7.967	56	14795	2.026	ug/l #	6
36) 1,1-Dichloropropene	7.973	75	30683	4.484	ug/l #	54
38) Carbon Tetrachloride	7.973	117	42638	5.956	ug/l #	16
39) Methylcyclohexane	9.349	83	37721	4.730	ug/l	98
43) Isopropyl Acetate	8.438	43	6703	1.260	ug/l #	54
48) Methyl methacrylate	9.397	41	6074	2.306	ug/l #	44
55) 1,1,2-Trichloroethane	10.767	97	14385	3.631	ug/l #	21
56) Ethyl methacrylate	10.667	69	6696	1.475	ug/l #	25
59) 2-Hexanone	10.943	43	15405	8.359	ug/l #	32
74) N-amyl acetate	12.255	43	10038	2.095	ug/l #	86
76) 1,2,3-Trichloropropane	12.620	75	150209	49.754	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	150209	116.782	ug/l #	8
95) Naphthalene	15.379	128	1163	4.299	ug/l #	86

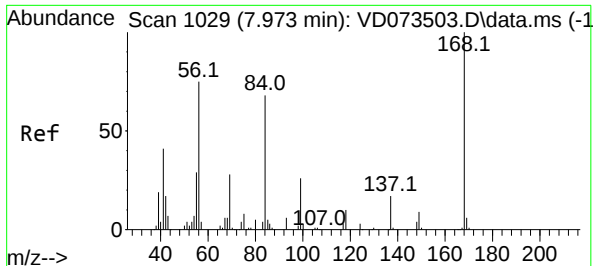
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

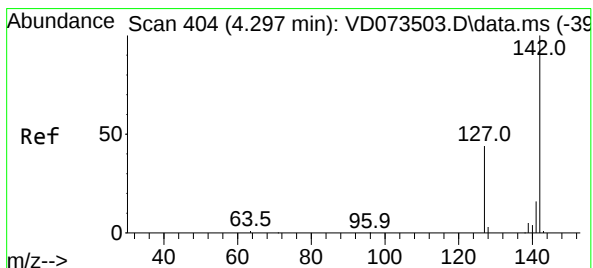
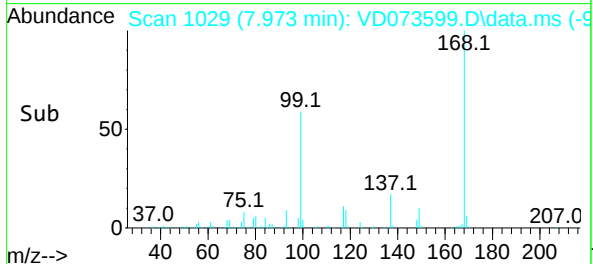
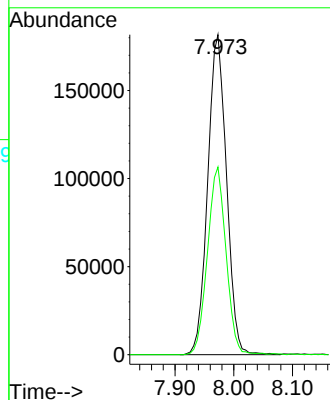
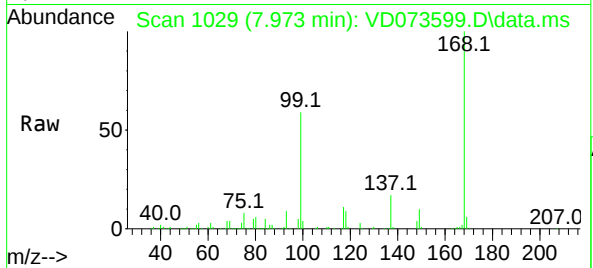




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

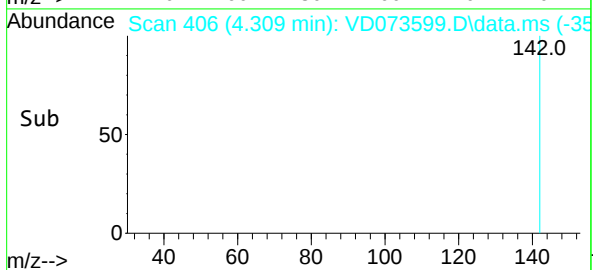
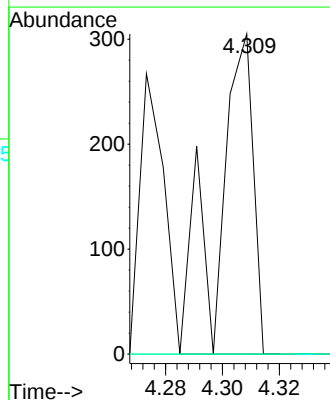
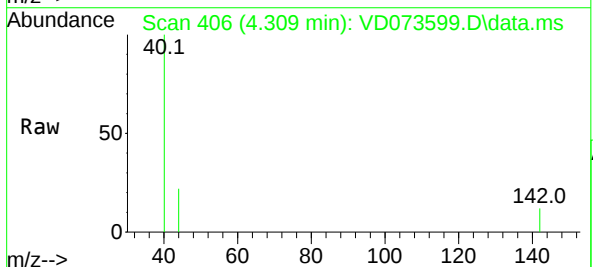
Instrument :
MSVOA_D
ClientSampleId :

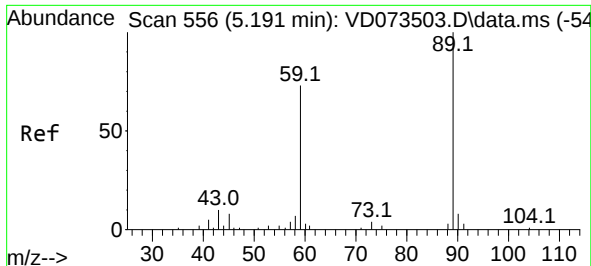
Tgt Ion:168 Resp: 403858
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#10
Methyl Iodide
Concen: 4.222 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Tgt Ion:142 Resp: 265
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

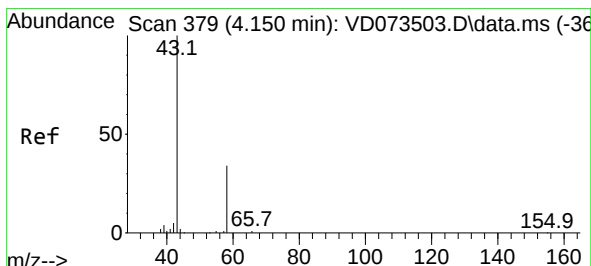
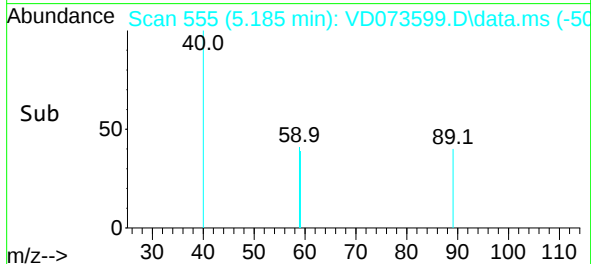
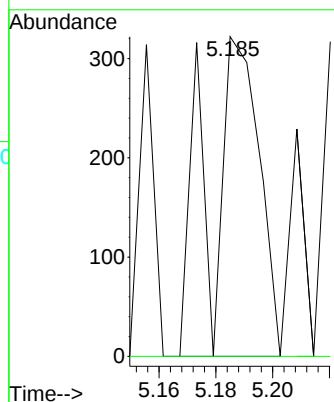
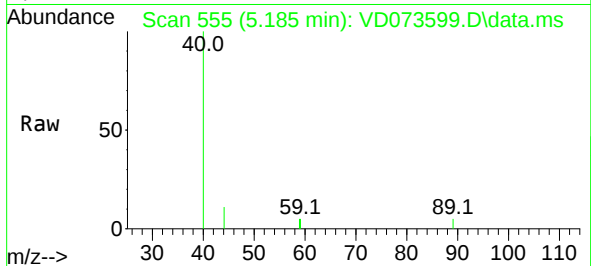




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

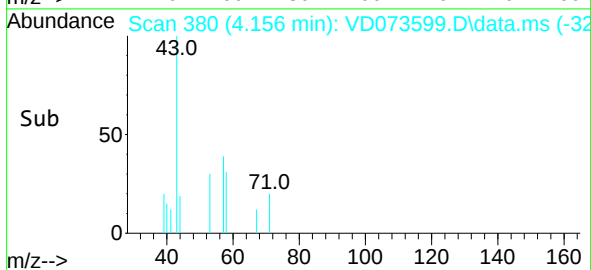
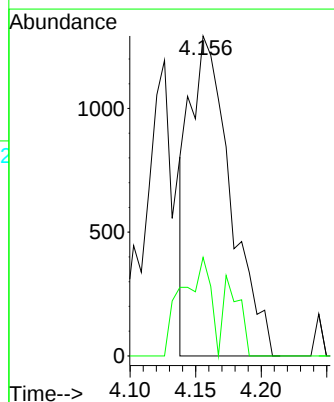
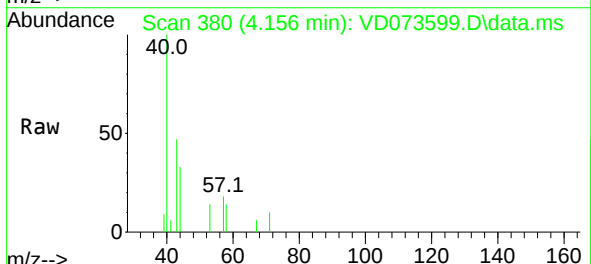
Instrument :
MSVOA_D
ClientSampleId :

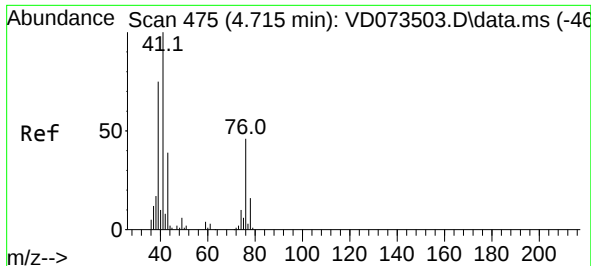
Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.692 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

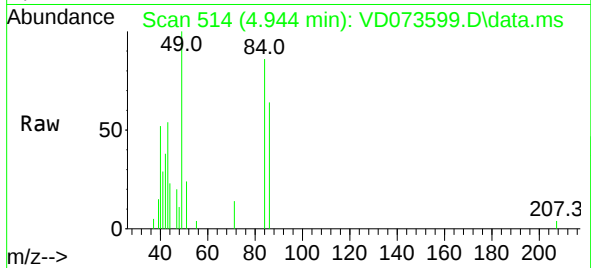
Tgt Ion: 43 Resp: 2817
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1



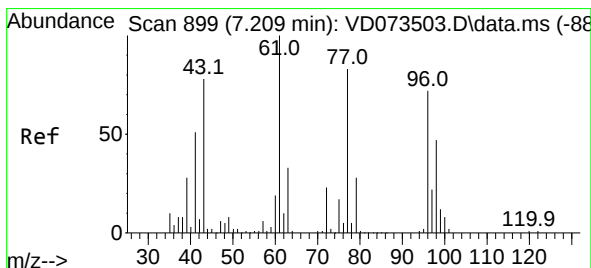
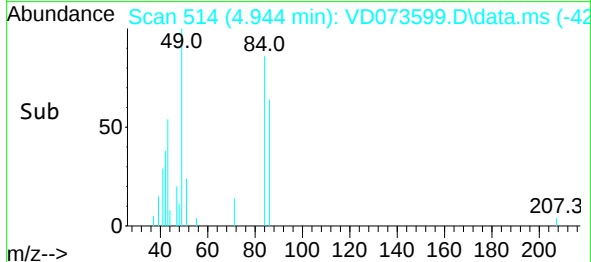
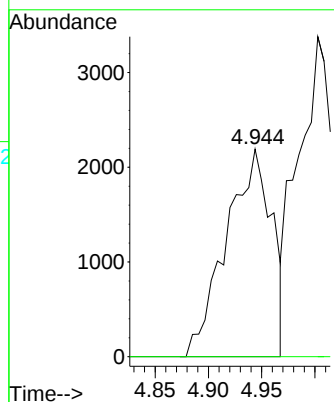


#18
Methyl Acetate
Concen: 4.317 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :

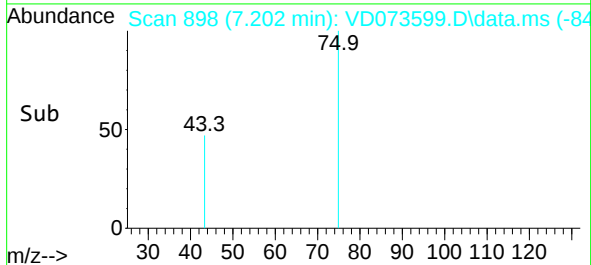
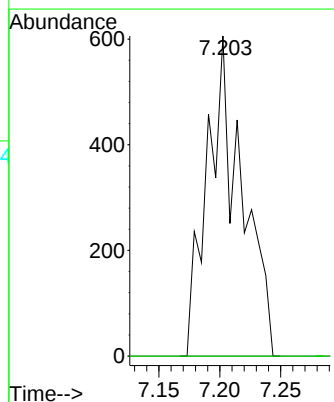
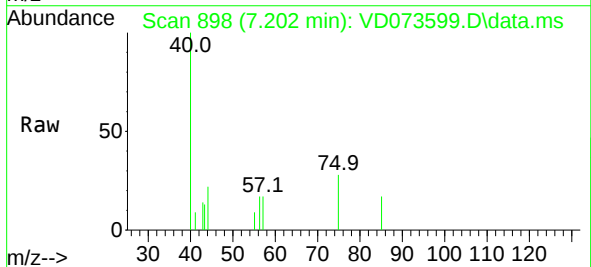


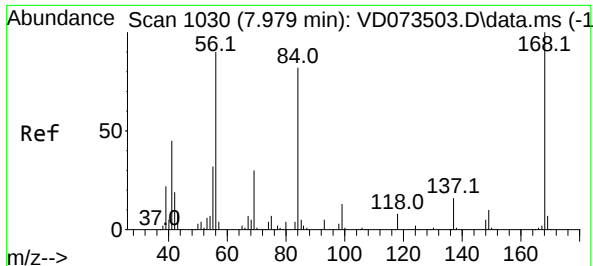
Tgt Ion: 43 Resp: 6519
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 1.065 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

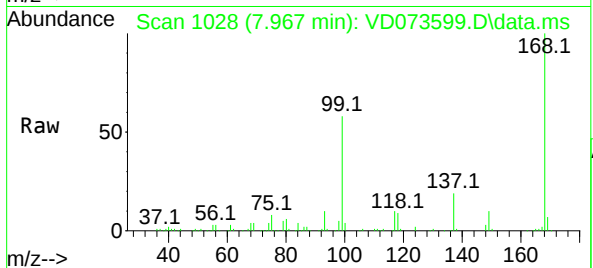
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



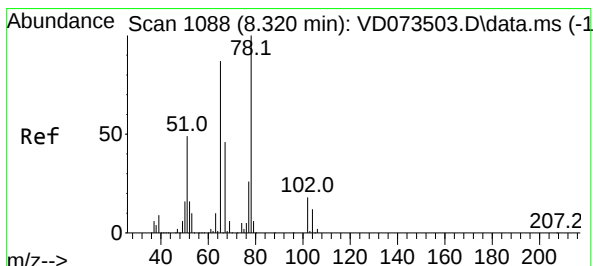
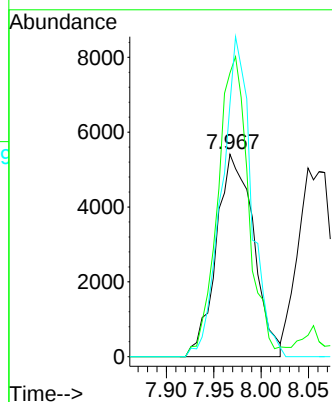
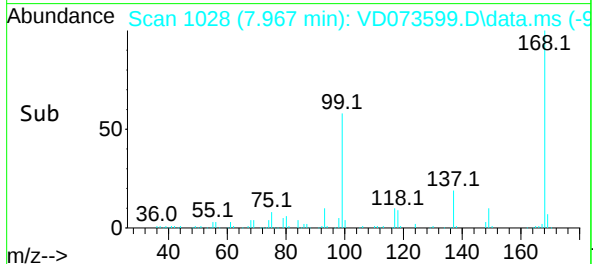


#31
Cyclohexane
Concen: 2.026 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

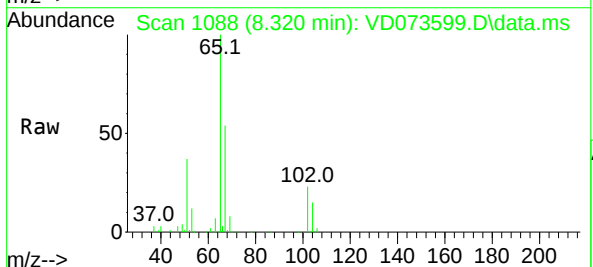
Instrument :
MSVOA_D
ClientSampleId :



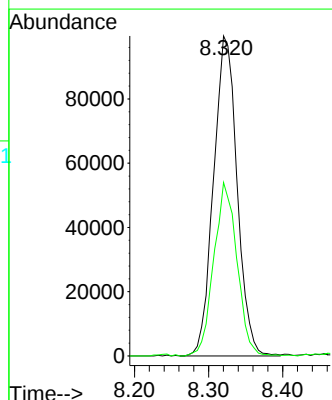
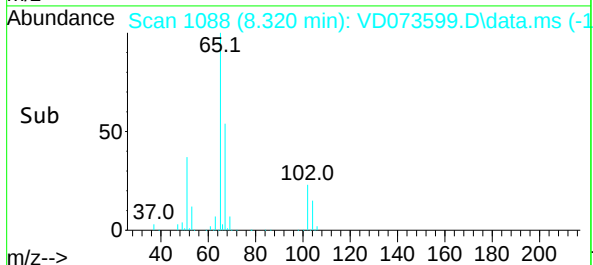
Tgt Ion: 56 Resp: 14795
Ion Ratio Lower Upper
56 100
69 140.2 25.4 38.2#
84 124.9 63.0 94.4#

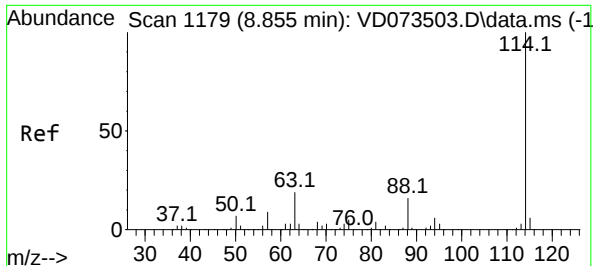


#33
1,2-Dichloroethane-d4
Concen: 50.787 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00



Tgt Ion: 65 Resp: 220108
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

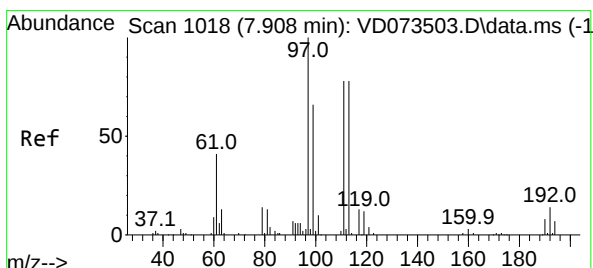
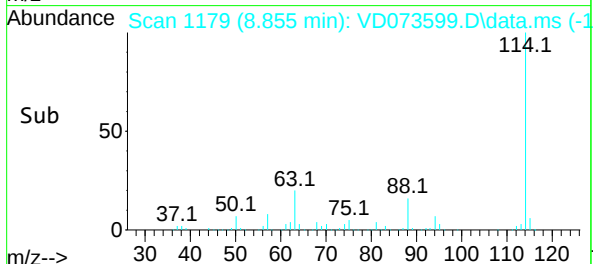
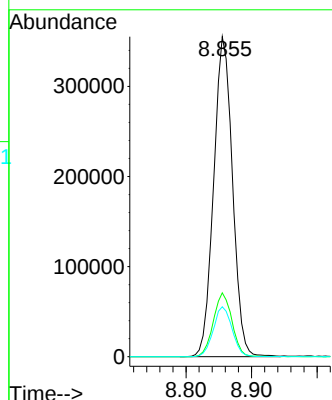
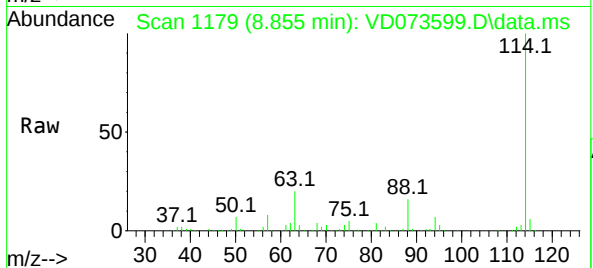
Tgt Ion:114 Resp: 708540

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

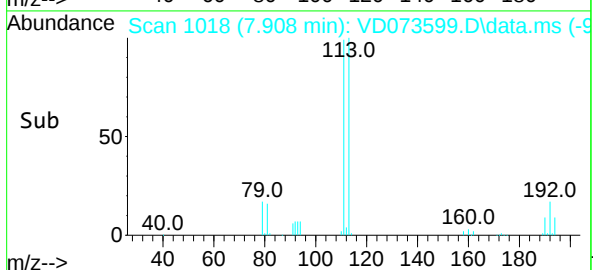
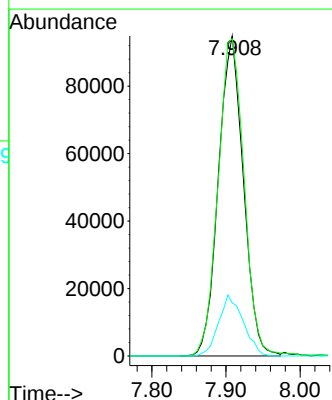
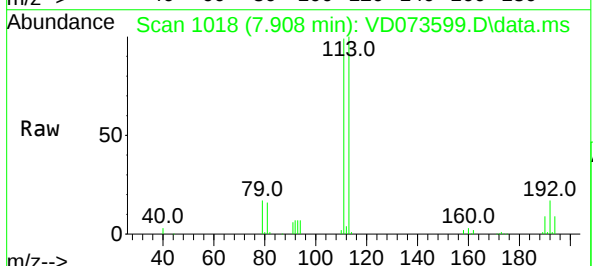
Tgt Ion:113 Resp: 221342

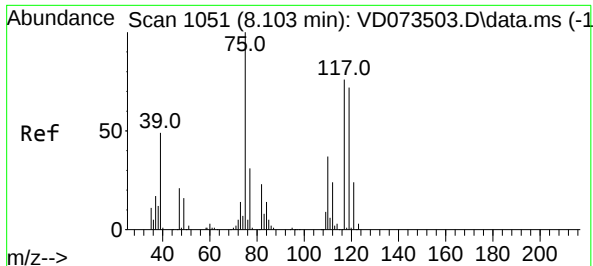
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.484 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

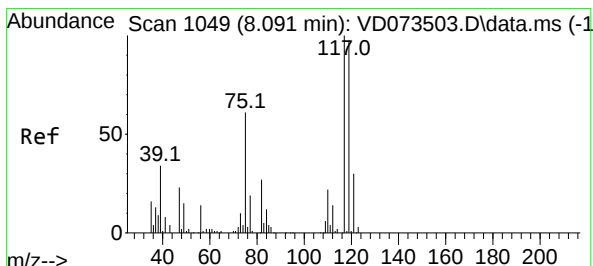
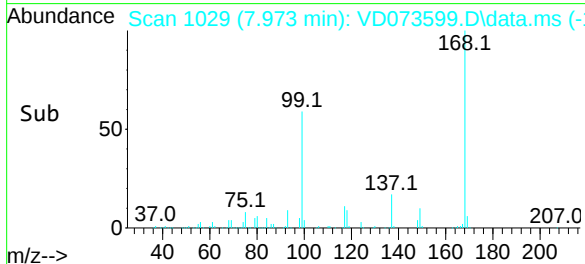
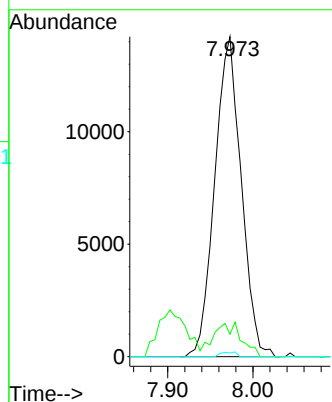
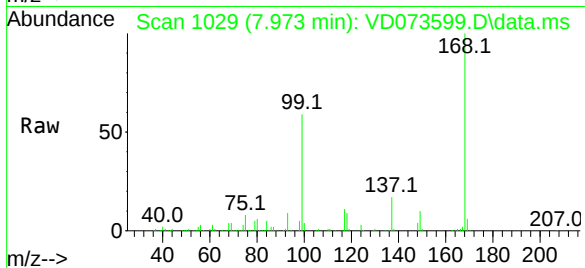
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 30683

Ion	Ratio	Lower	Upper
75	100		
110	11.2	16.4	49.1#
77	0.8	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.956 ug/l

RT: 7.973 min Scan# 1029

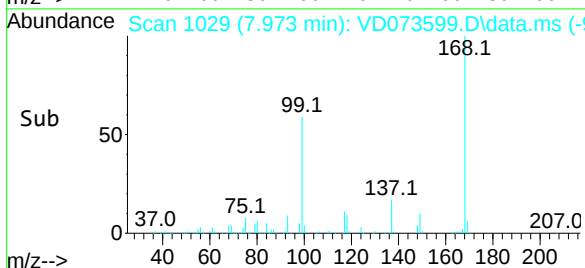
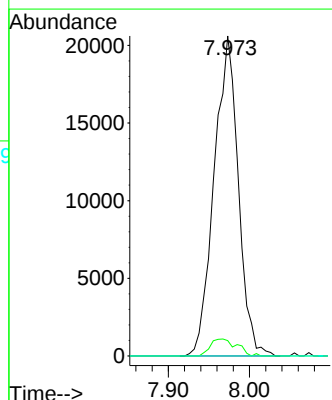
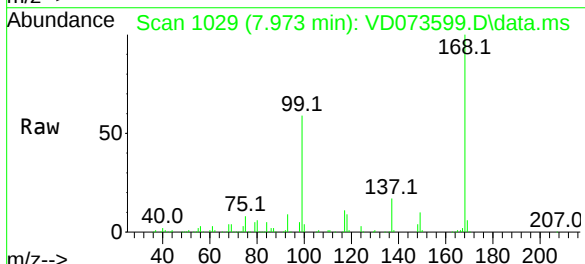
Delta R.T. -0.118 min

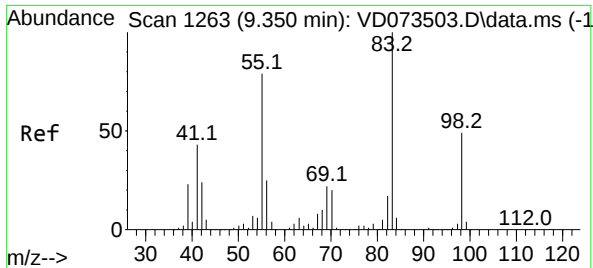
Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

Tgt Ion: 117 Resp: 42638

Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 4.730 ug/l

RT: 9.349 min Scan# 1107

Delta R.T. -0.001 min

Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

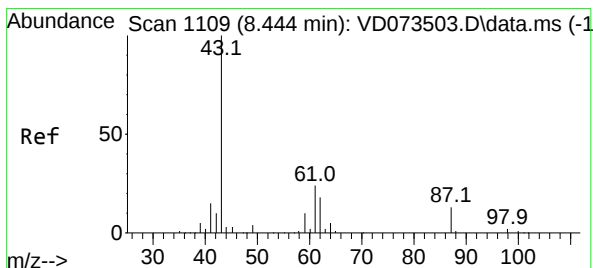
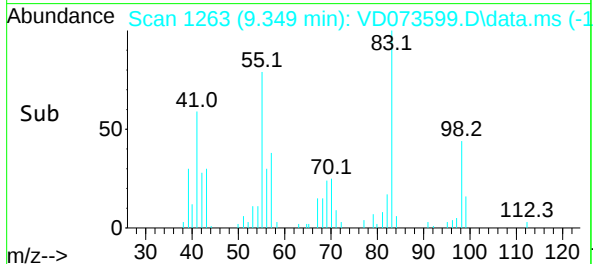
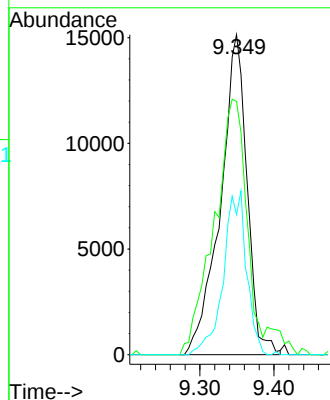
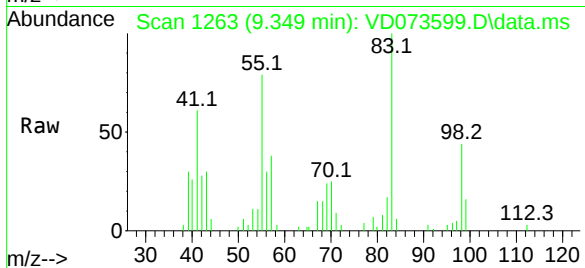
Tgt Ion: 83 Resp: 37721

Ion Ratio Lower Upper

83 100

55 79.1 63.2 94.8

98 43.7 38.2 57.4



#43

Isopropyl Acetate

Concen: 1.260 ug/l

RT: 8.438 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073599.D

Acq: 15 Jun 2022 19:00

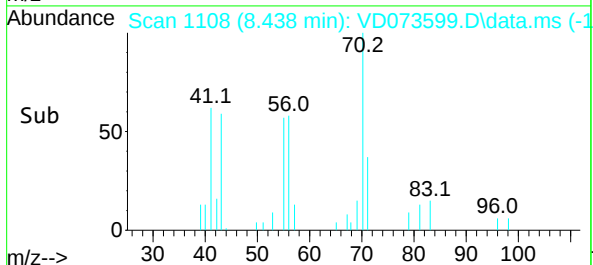
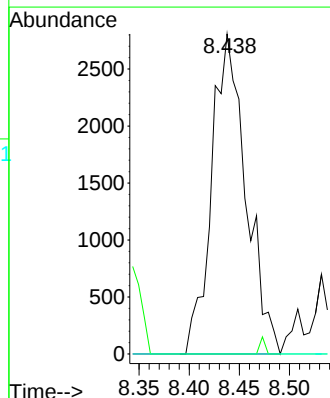
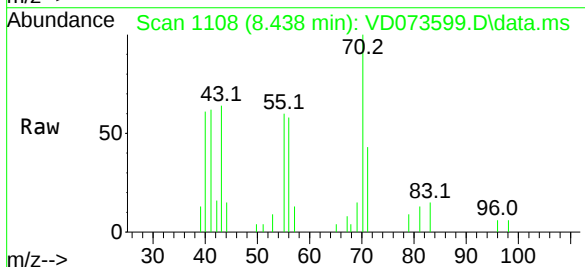
Tgt Ion: 43 Resp: 6703

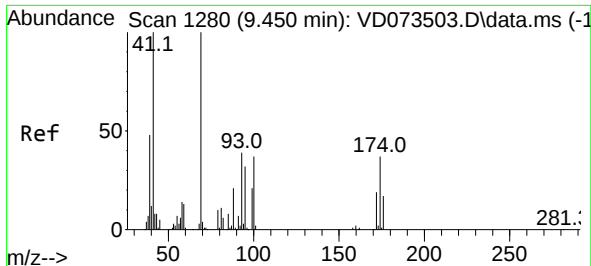
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#

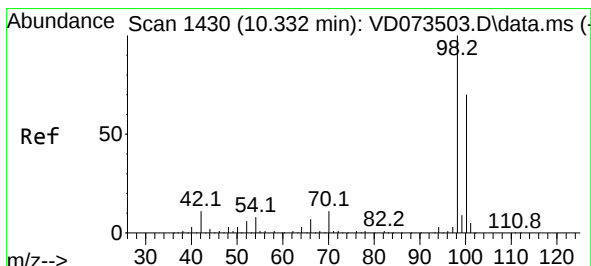
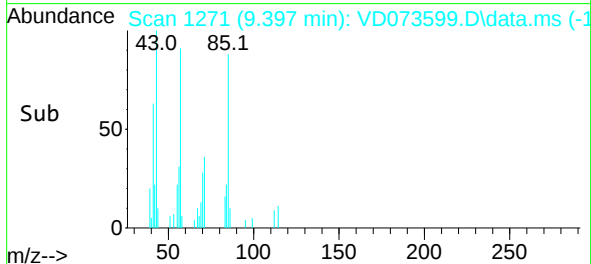
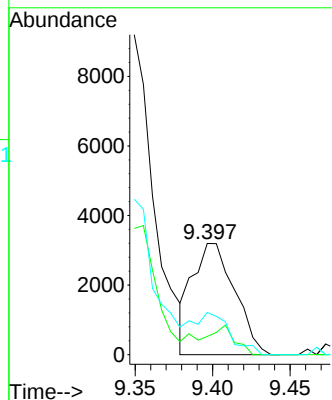
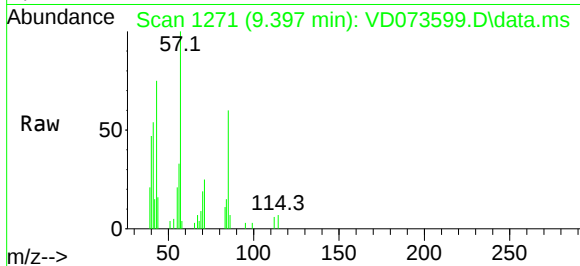




#48
Methyl methacrylate
Concen: 2.306 ug/l
RT: 9.397 min Scan# 11
Delta R.T. -0.053 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

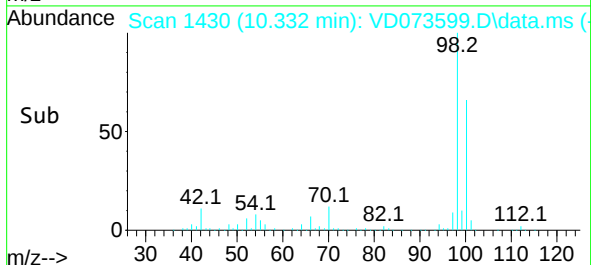
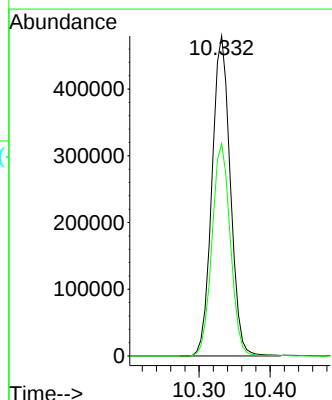
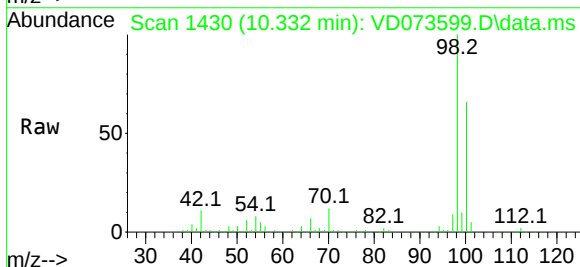
Instrument :
MSVOA_D
ClientSampleId :

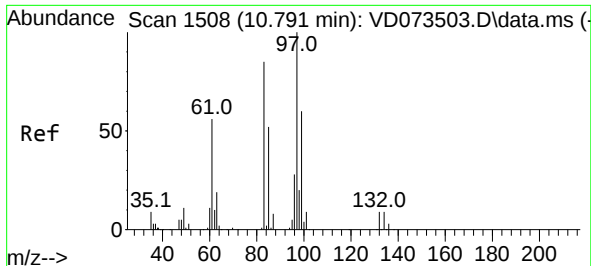
Tgt Ion: 41 Resp: 6074
Ion Ratio Lower Upper
41 100
69 15.4 56.7 85.1#
39 23.6 42.7 64.1#



#50
Toluene-d8
Concen: 49.812 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

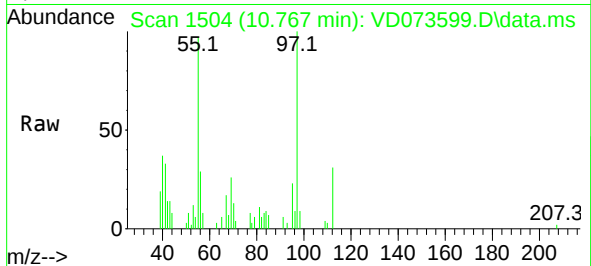
Tgt Ion: 98 Resp: 858087
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



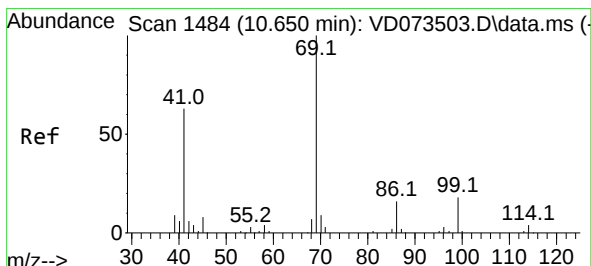
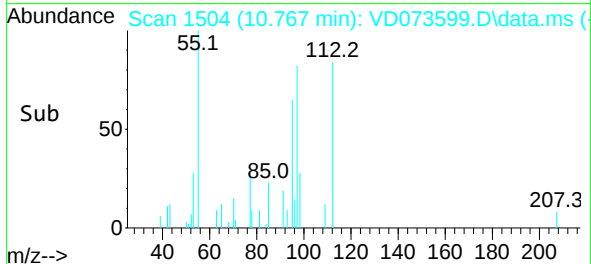
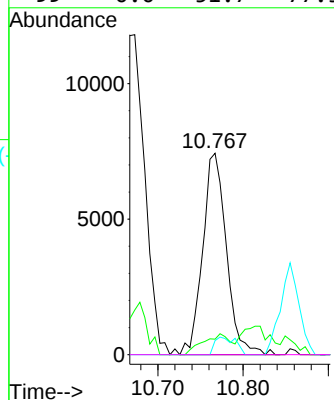


#55
1,1,2-Trichloroethane
Concen: 3.631 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :

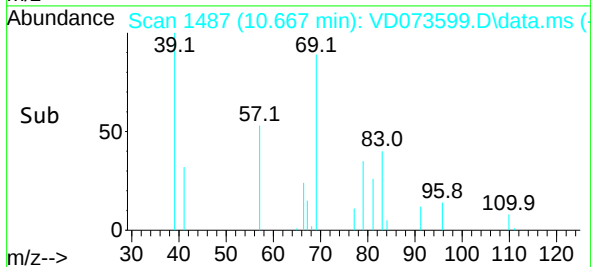
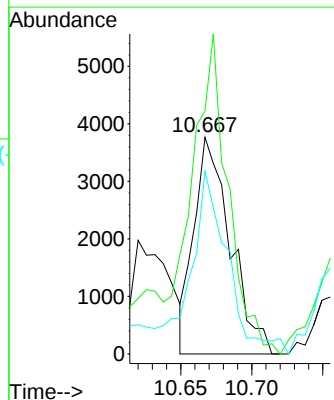
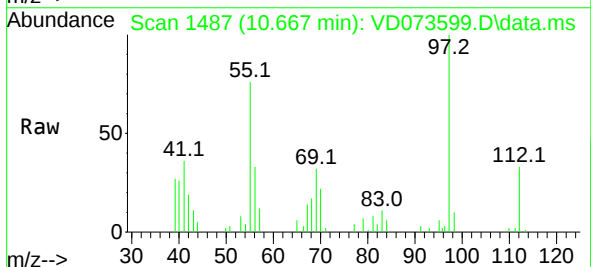


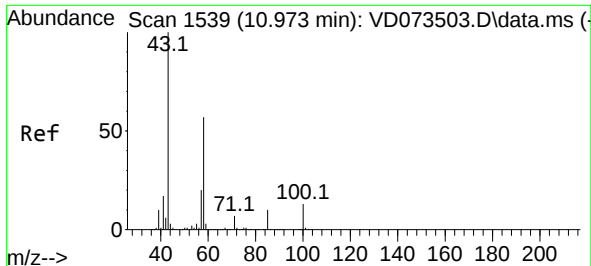
Tgt Ion: 97	Resp: 14385
Ion Ratio	Lower Upper
97 100	
83 7.7	69.0 103.4#
85 7.0	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 1.475 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.017 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Tgt Ion: 69	Resp: 6696
Ion Ratio	Lower Upper
69 100	
41 147.7	63.0 94.6#
39 85.2	33.8 50.8#

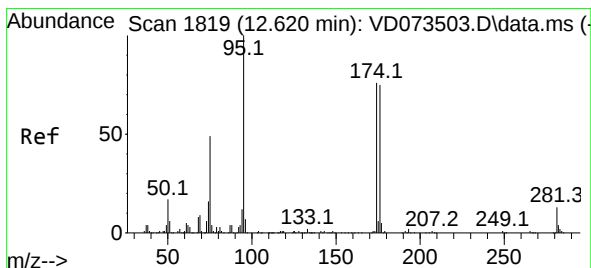
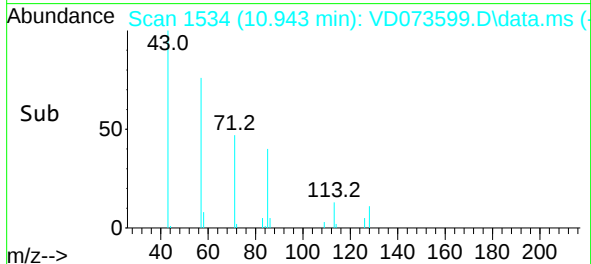
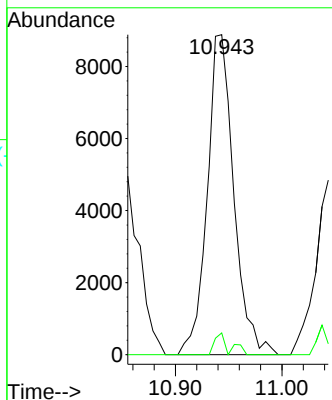
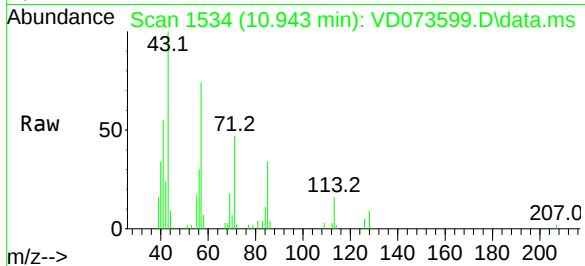




#59
2-Hexanone
Concen: 8.359 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.030 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

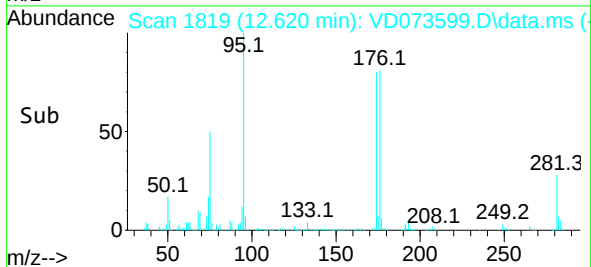
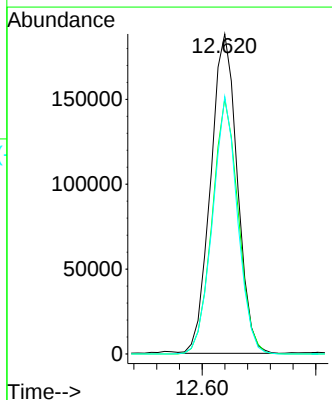
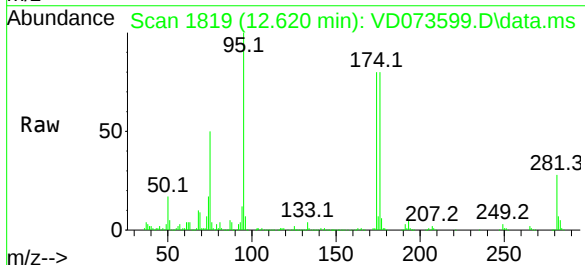
Instrument :
MSVOA_D
ClientSampleId :

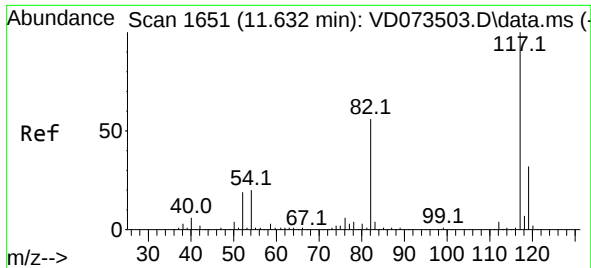
Tgt Ion: 43 Resp: 15405
Ion Ratio Lower Upper
43 100
58 3.7 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 49.014 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Tgt Ion: 95 Resp: 306517
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 75.6 0.0 145.4

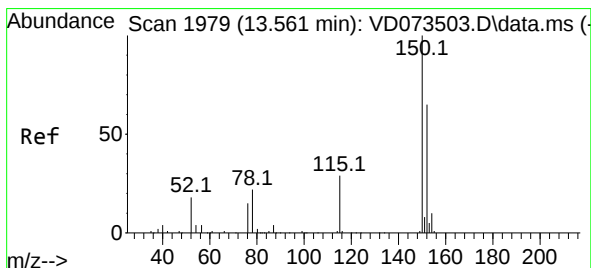
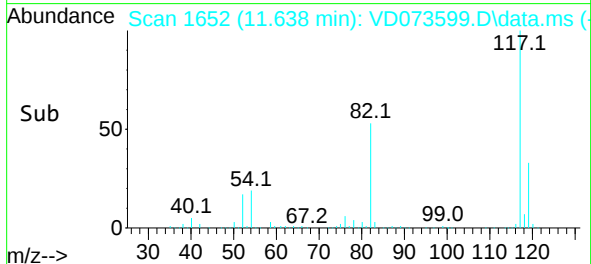
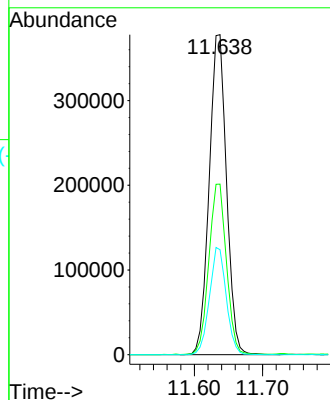
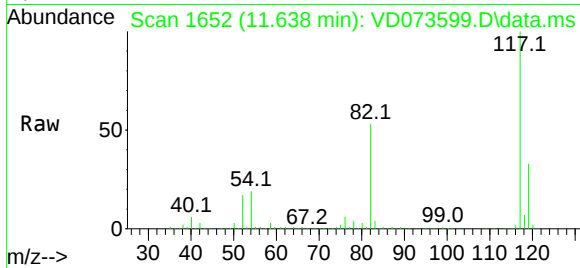




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

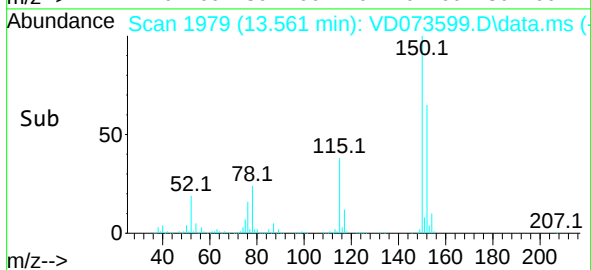
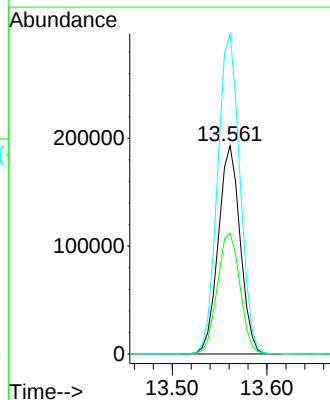
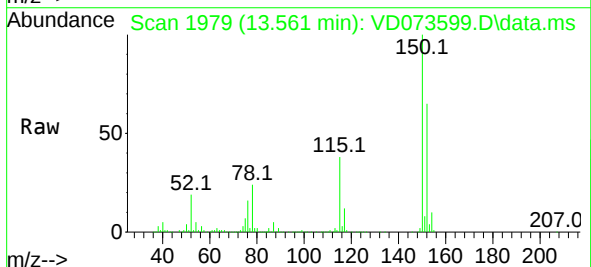
Instrument :
MSVOA_D
ClientSampleId :

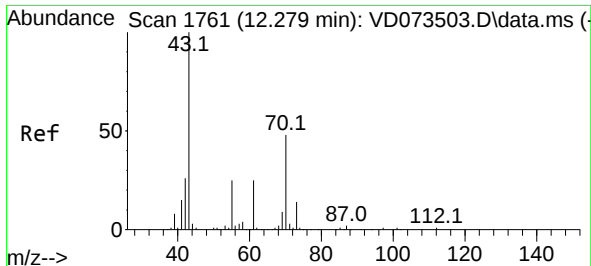
Tgt Ion:117 Resp: 668476
Ion Ratio Lower Upper
117 100
82 53.2 45.3 67.9
119 32.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

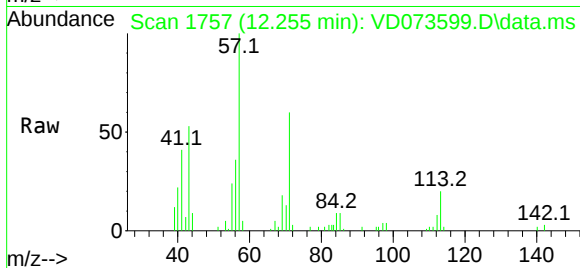
Tgt Ion:152 Resp: 310770
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 157.0 0.0 348.6



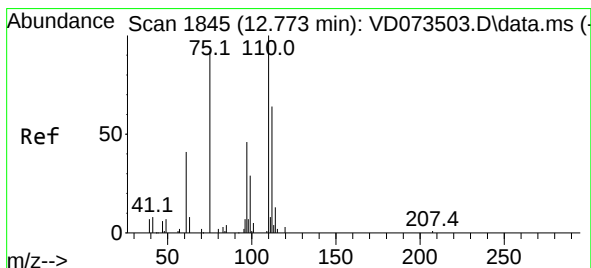
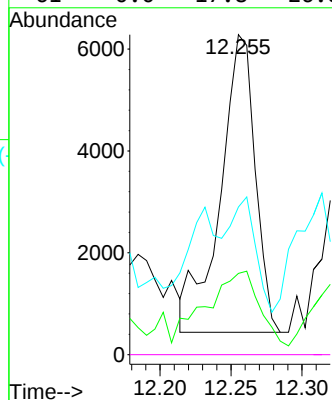
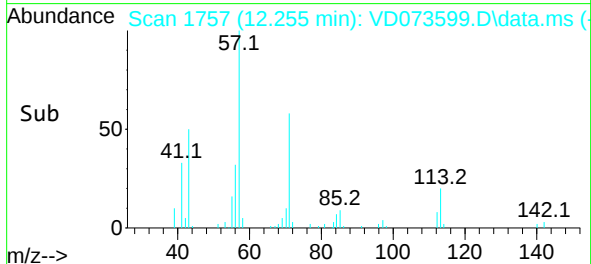


#74
N-amy1 acetate
Concen: 2.095 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :

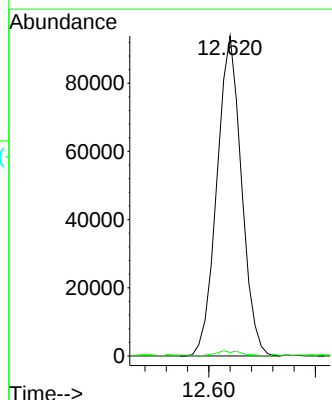
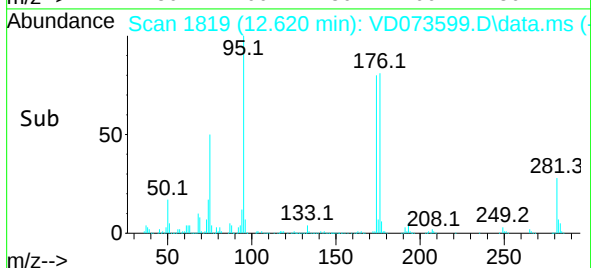
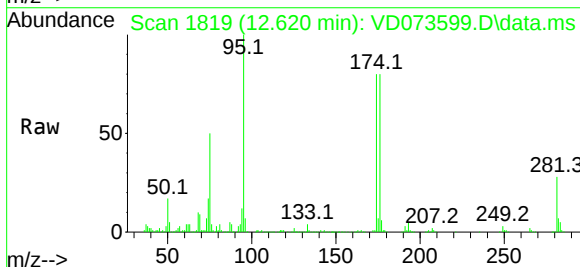


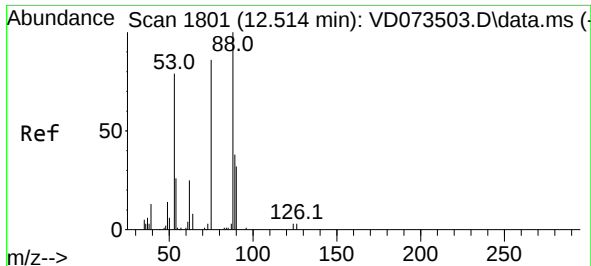
Tgt Ion: 43 Resp: 10038
Ion Ratio Lower Upper
43 100
70 37.8 31.3 46.9
55 27.6 20.0 30.0
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 49.754 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Tgt Ion: 75 Resp: 150209
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

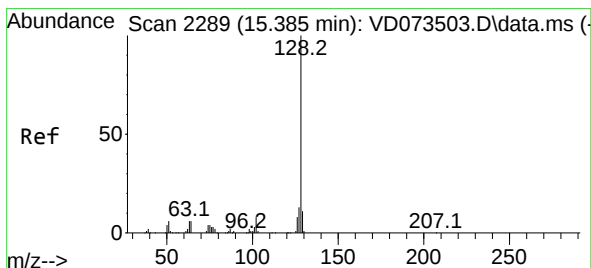
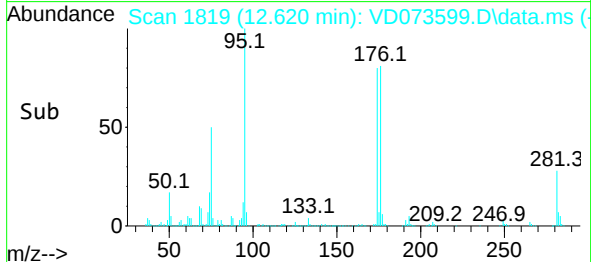
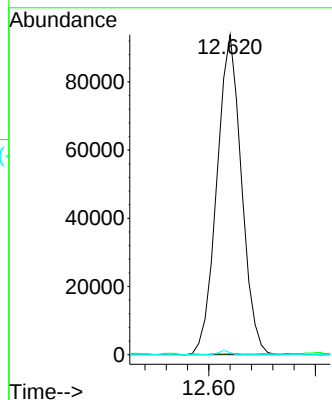
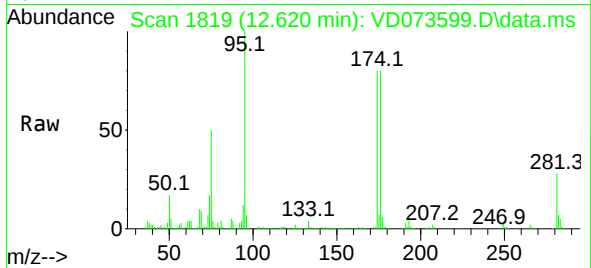




#81
trans-1,4-Dichloro-2-butene
Concen: 116.782 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 150209
Ion Ratio Lower Upper
75 100
53 0.5 86.5 129.7#
89 0.6 33.9 50.9#



#95
Naphthalene
Concen: 4.299 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073599.D
Acq: 15 Jun 2022 19:00

Tgt Ion: 128 Resp: 1163
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 0.0 8.4 12.6#

