

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073486.D
 Acq On : 06 Jun 2022 20:45
 Operator : VA/SY
 Sample : N3201-03
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 21500

Quant Time: Jun 07 01:14:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

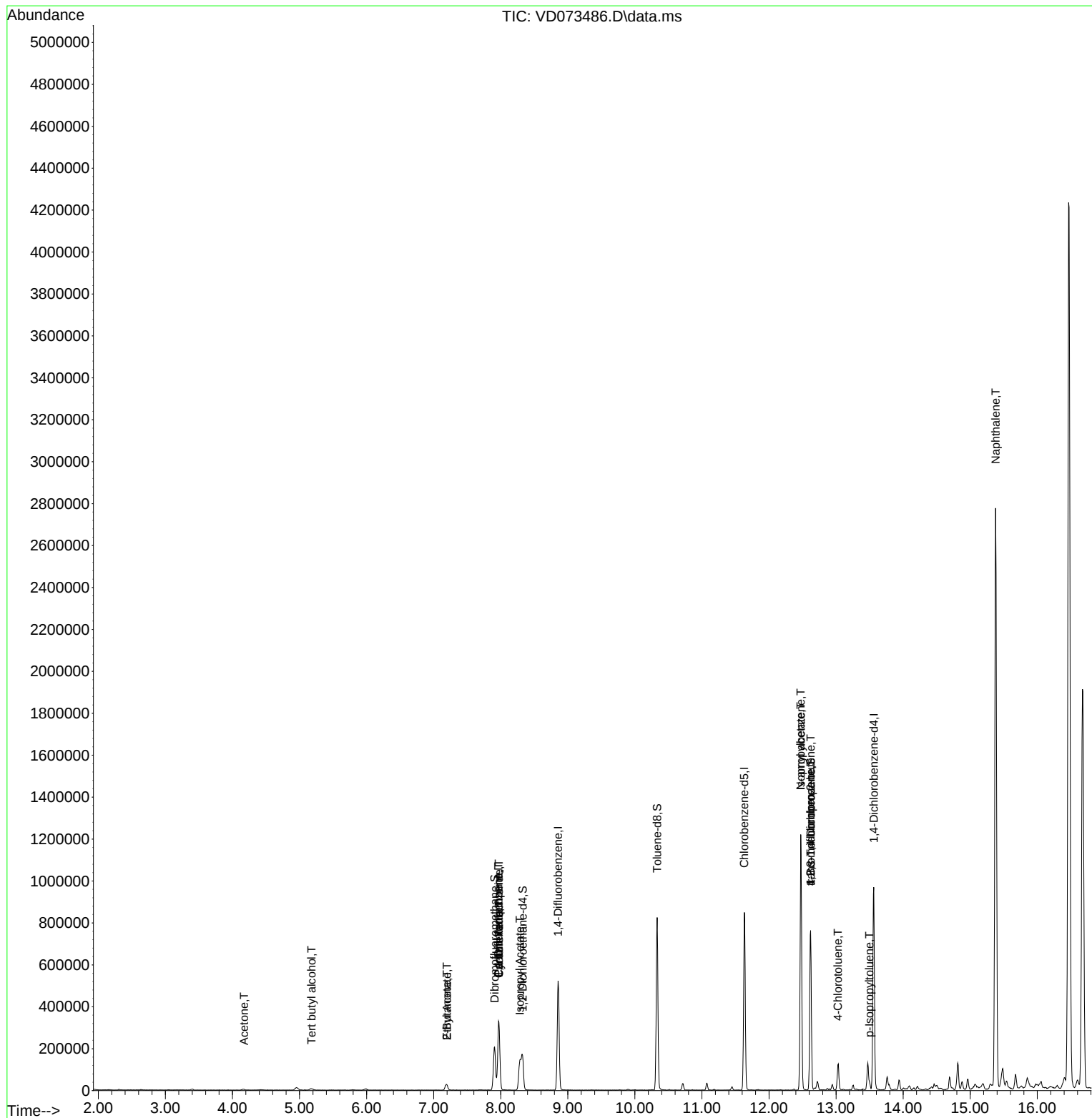
Internal Standards						
1) Pentafluorobenzene	7.967	168	239520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	448779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	498629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	129285	48.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.680%
35) Dibromofluoromethane	7.909	113	149981	50.646	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.300%
50) Toluene-d8	10.332	98	556367	50.967	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.940%
62) 4-Bromofluorobenzene	12.620	95	252129	65.814	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	131.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	577	Below Cal	#	49
11) Tert butyl alcohol	5.179	59	7100	17.288	ug/l #	76
16) Acetone	4.173	43	7737	16.875	ug/l	89
20) Methylene Chloride	4.956	84	9502	Below Cal	#	90
25) 2-Butanone	7.197	43	1783	2.658	ug/l #	52
31) Cyclohexane	7.973	56	5131	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	19686	4.420	ug/l #	51
37) Ethyl Acetate	7.197	43	1783	1.014	ug/l #	11
38) Carbon Tetrachloride	7.973	117	26024	5.764	ug/l #	20
43) Isopropyl Acetate	8.285	43	3424	1.053	ug/l #	3
73) Isopropylbenzene	12.473	105	53853	2.856	ug/l #	68
74) N-amyl acetate	12.473	43	23833	5.793	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	129473	49.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	129473	119.748	ug/l #	7
82) 4-Chlorotoluene	13.026	91	18028	1.258	ug/l #	42
86) p-Isopropyltoluene	13.496	119	20482	1.222	ug/l #	72
95) Naphthalene	15.379	128	2438236	265.238	ug/l	99

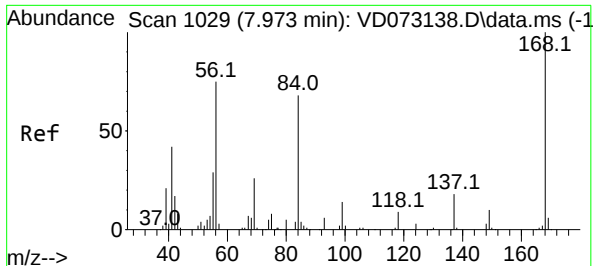
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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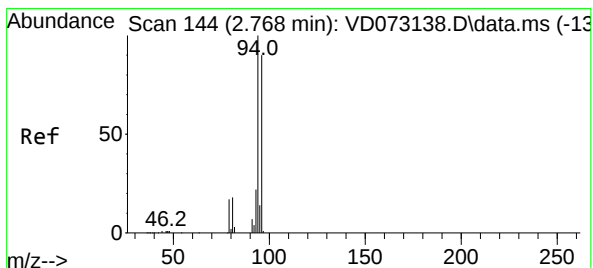
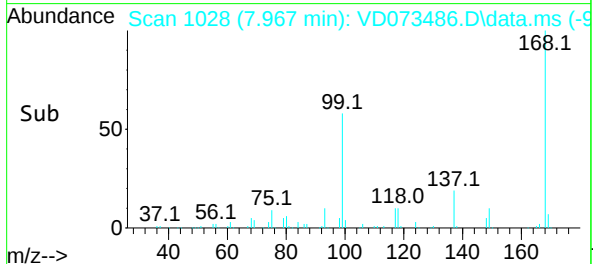
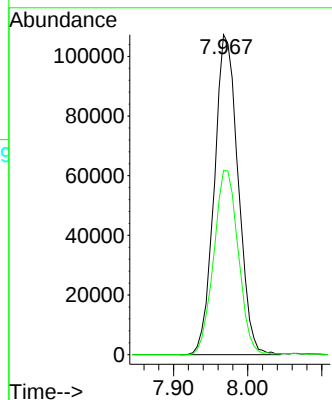
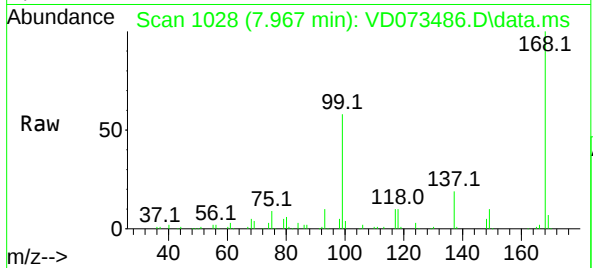




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

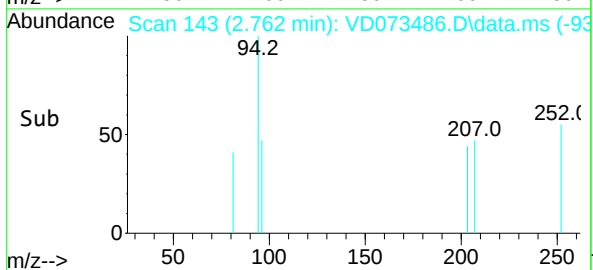
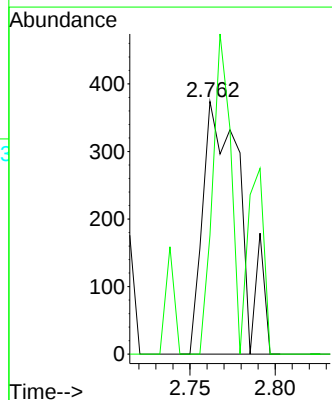
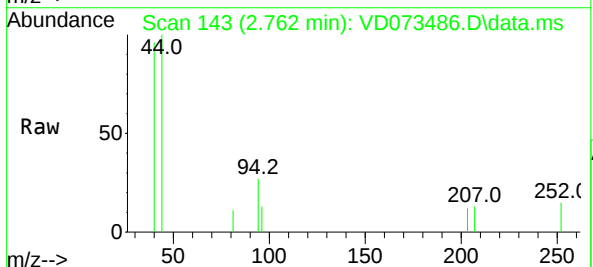
Instrument :
MSVOA_D
ClientSampleId :
21500

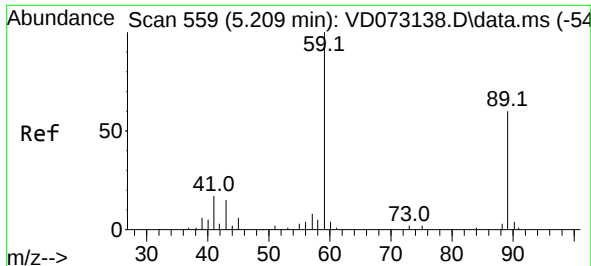
Tgt Ion:168 Resp: 239520
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 47.1 77.6 116.4#

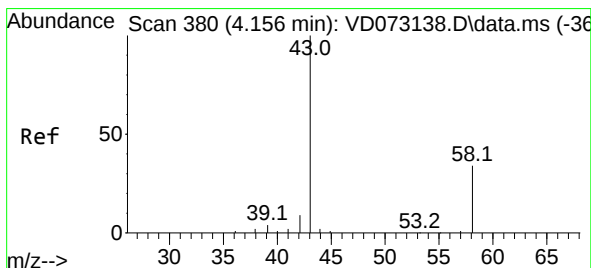
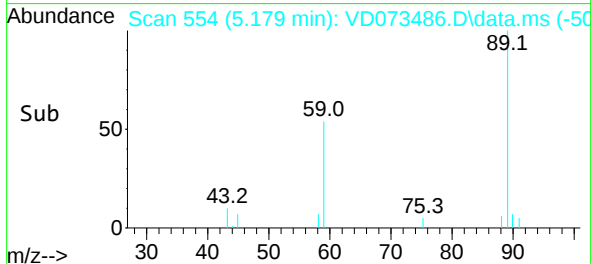
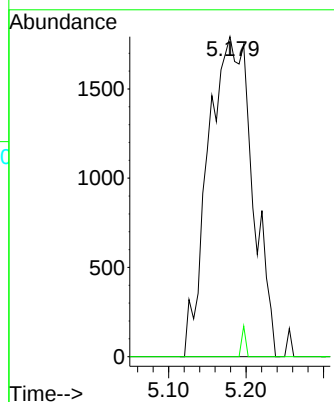
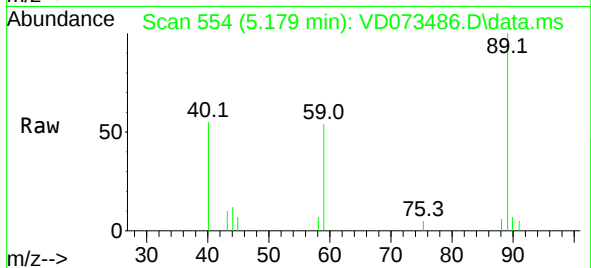




#11
Tert butyl alcohol
Concen: 17.288 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

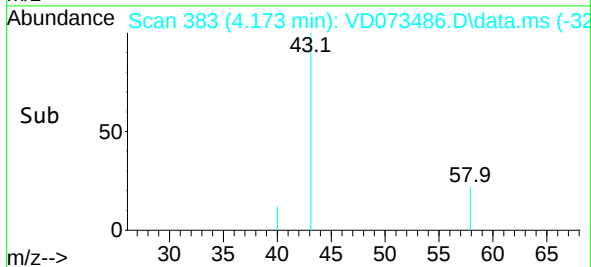
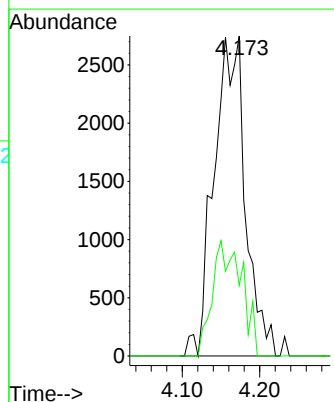
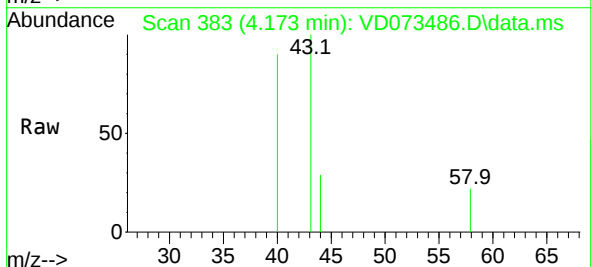
Instrument :
MSVOA_D
ClientSampleId :
21500

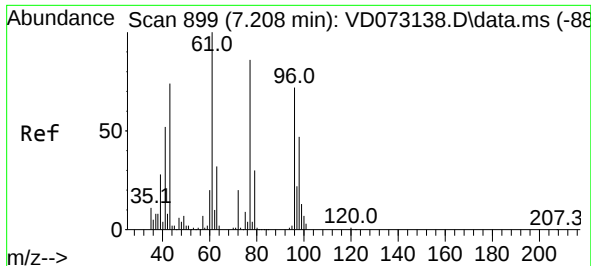
Tgt Ion: 59 Resp: 7100
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.6#



#16
Acetone
Concen: 16.875 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 43 Resp: 7737
Ion Ratio Lower Upper
43 100
58 22.1 22.1 33.1

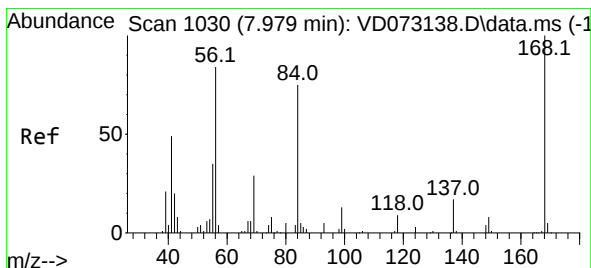
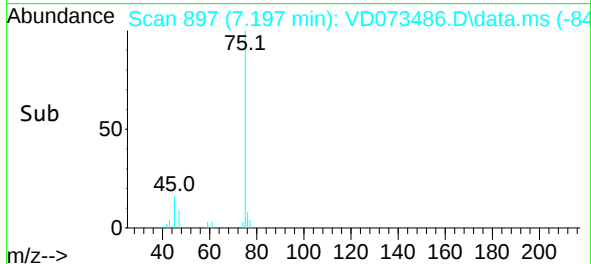
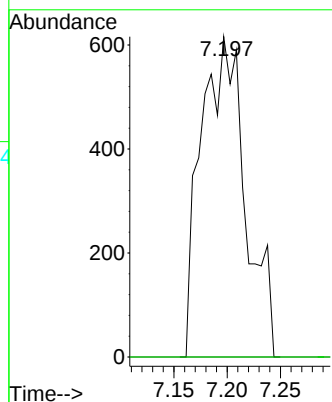
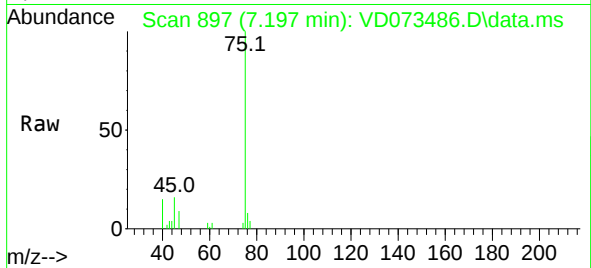




#25
2-Butanone
Concen: 2.658 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.011 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

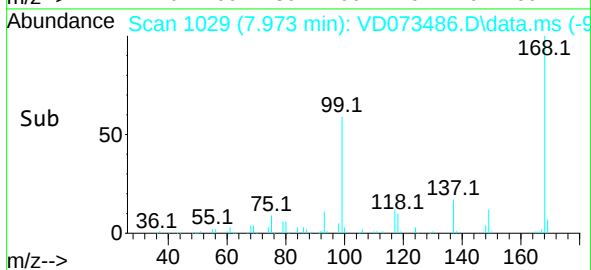
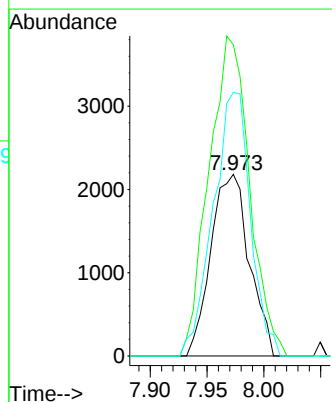
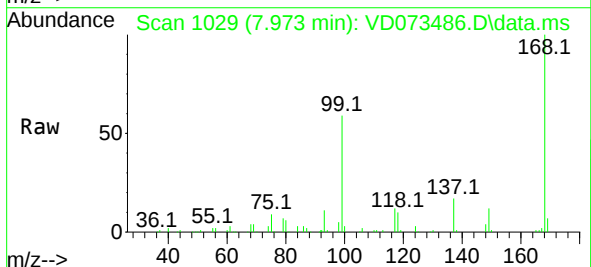
Instrument :
MSVOA_D
ClientSampleId :
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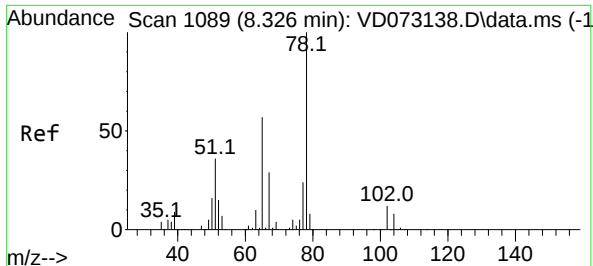
Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 56 Resp: 5131
Ion Ratio Lower Upper
56 100
69 171.4 25.4 38.2#
84 145.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.841 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

Instrument :

MSVOA_D

ClientSampleId :

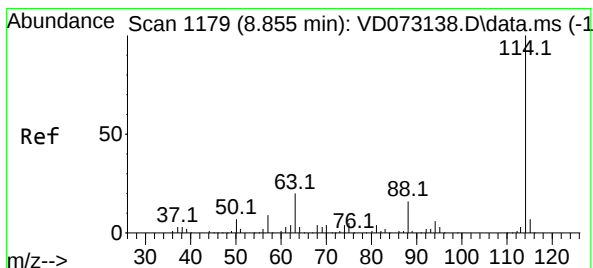
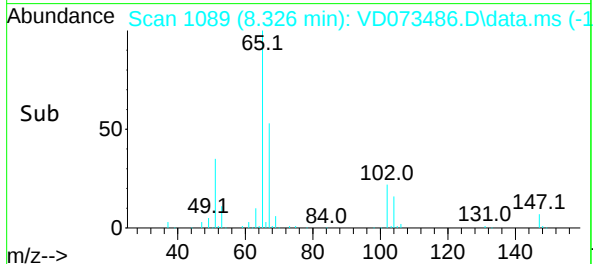
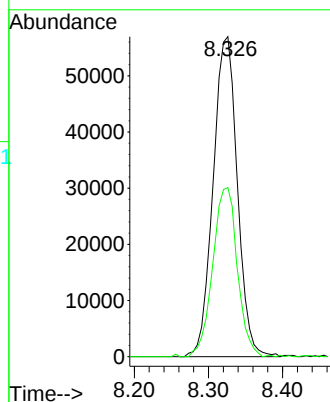
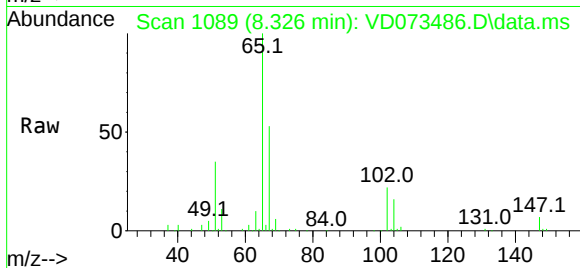
21500

Tgt Ion: 65 Resp: 129285

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

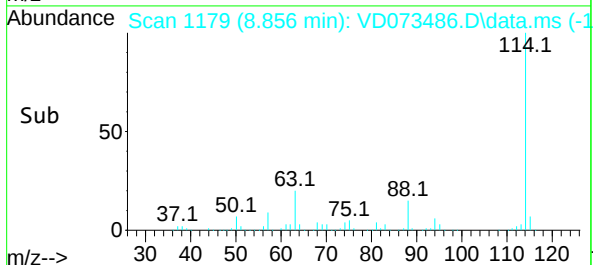
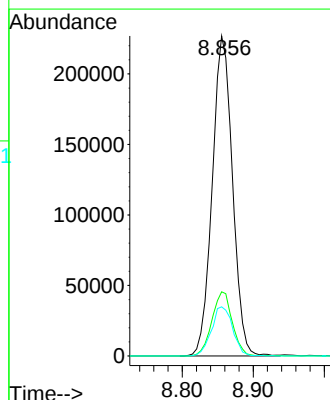
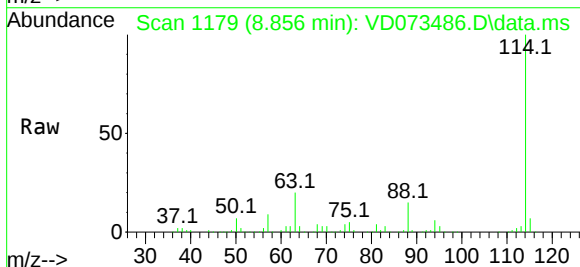
Tgt Ion: 114 Resp: 448779

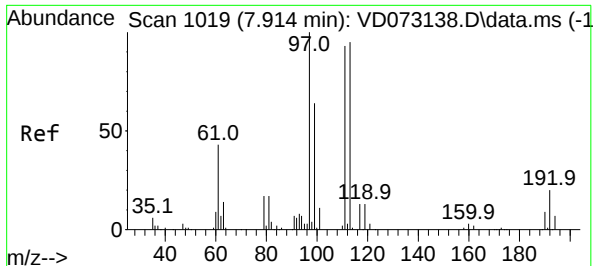
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.646 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

Instrument :

MSVOA_D

ClientSampleId :

21500

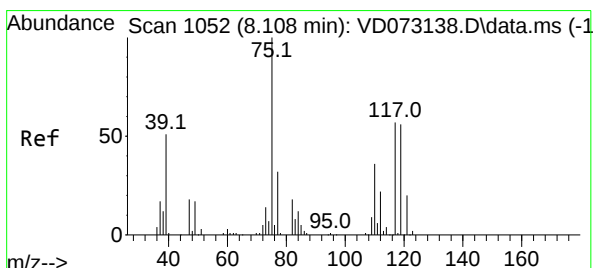
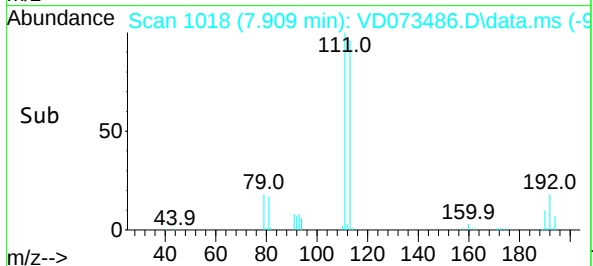
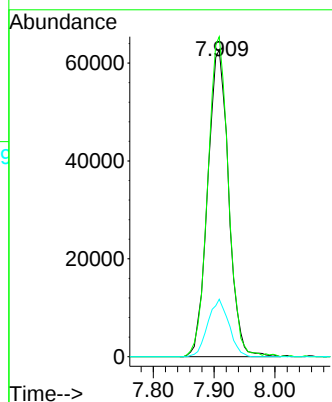
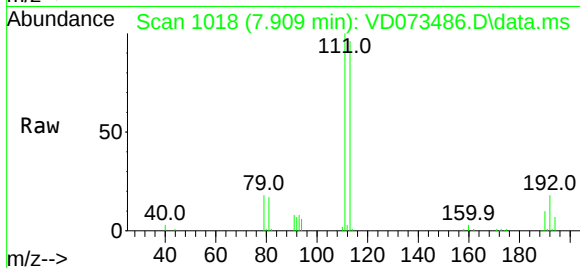
Tgt Ion:113 Resp: 149981

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.420 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

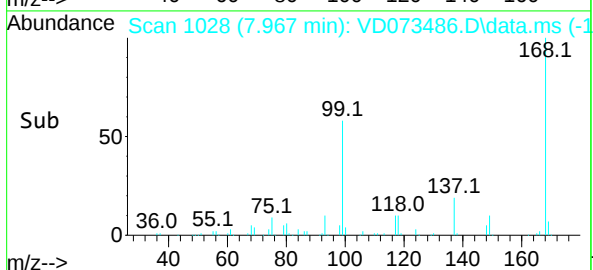
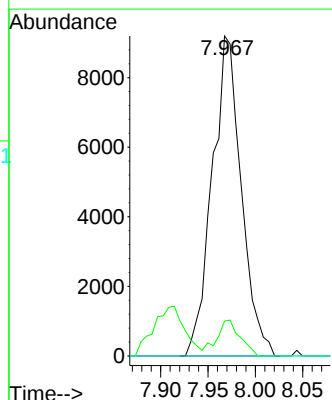
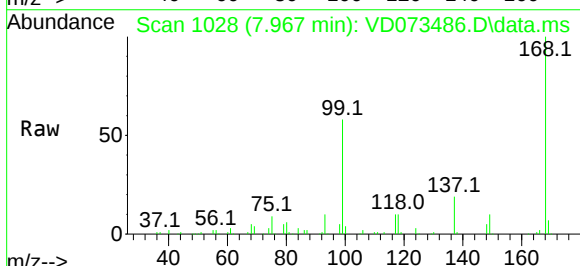
Tgt Ion: 75 Resp: 19686

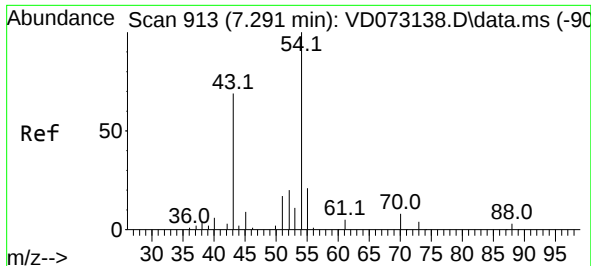
Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.014 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073486.D

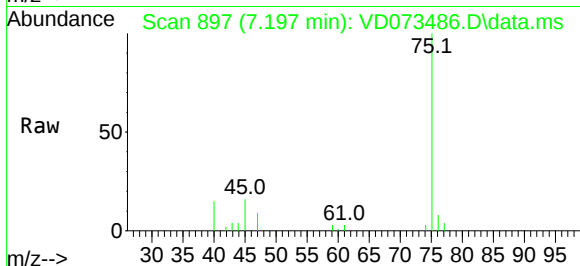
Acq: 06 Jun 2022 20:45

Instrument :

MSVOA_D

ClientSampleId :

21500



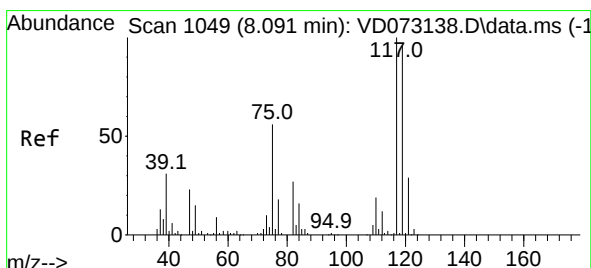
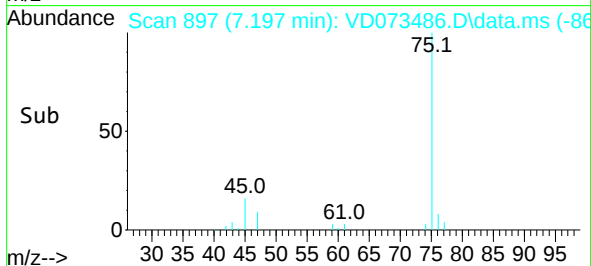
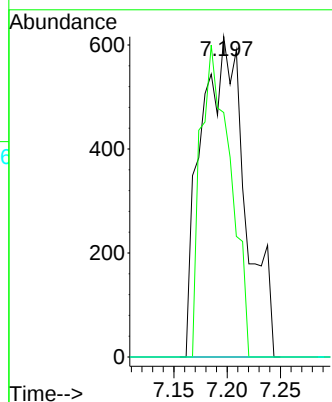
Tgt Ion: 43 Resp: 1783

Ion Ratio Lower Upper

43 100

61 64.8 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.764 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

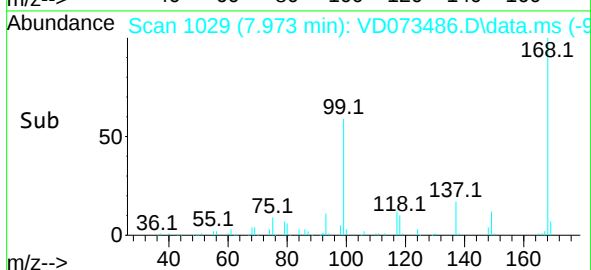
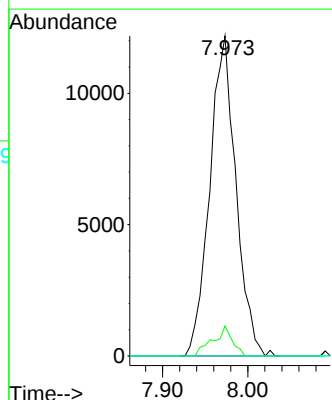
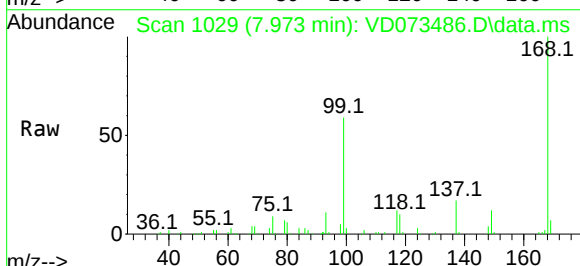
Tgt Ion: 117 Resp: 26024

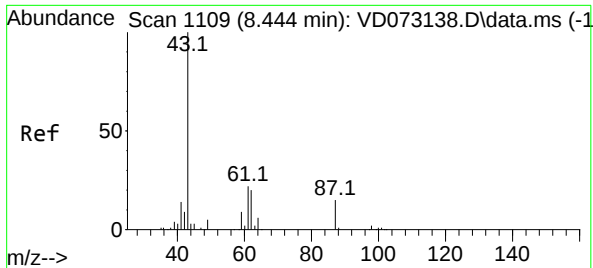
Ion Ratio Lower Upper

117 100

119 9.4 75.8 113.6#

121 0.0 24.5 36.7#

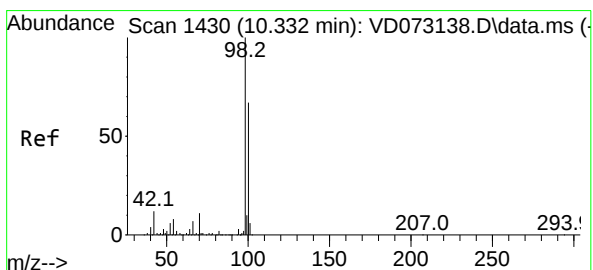
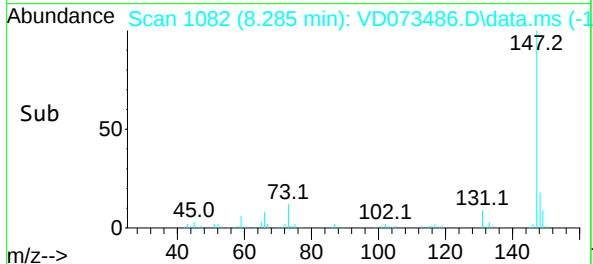
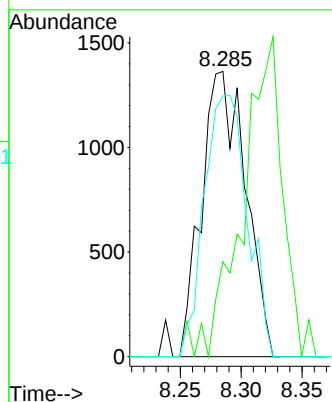
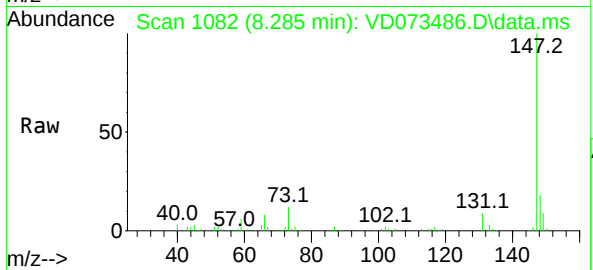




#43
Isopropyl Acetate
Concen: 1.053 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.159 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

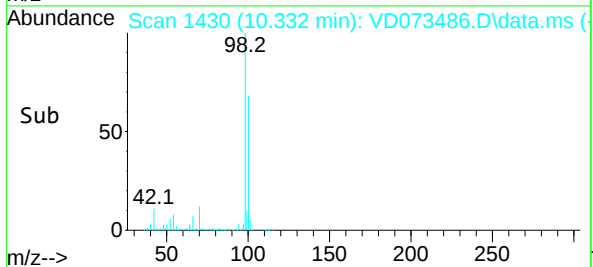
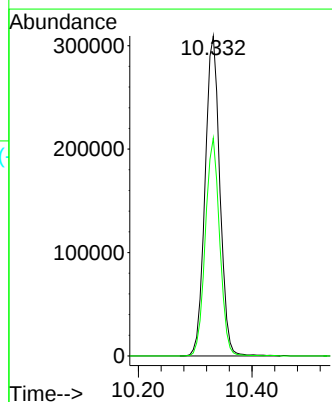
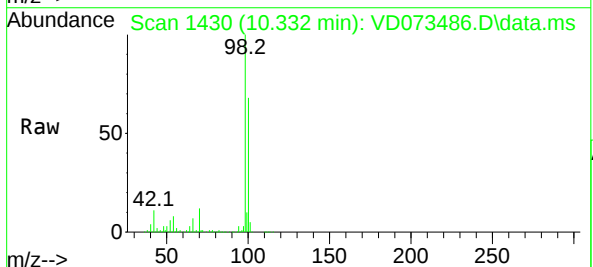
Instrument :
MSVOA_D
ClientSampleId :
21500

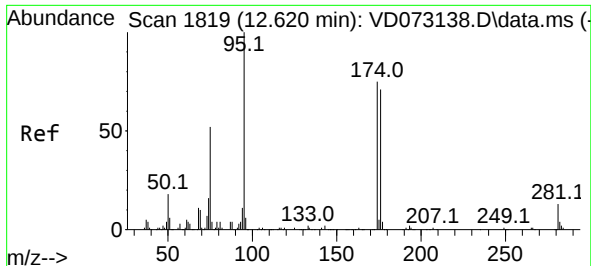
Tgt Ion: 43 Resp: 3424
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 90.3 8.7 13.1#



#50
Toluene-d8
Concen: 50.967 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 98 Resp: 556367
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

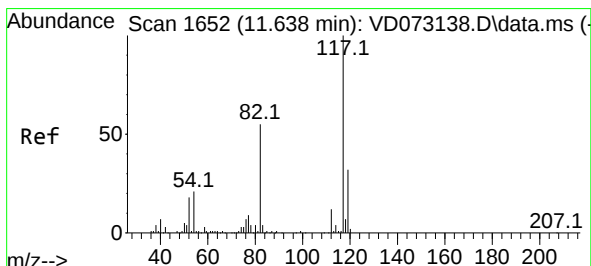
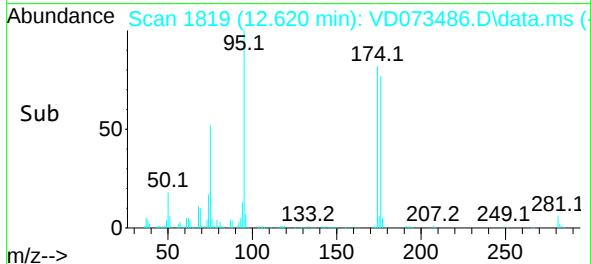
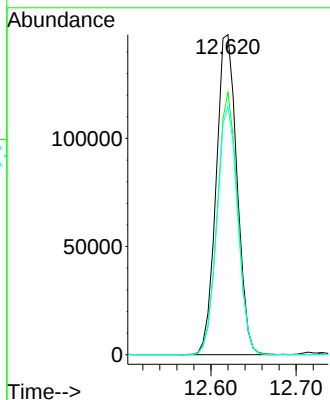
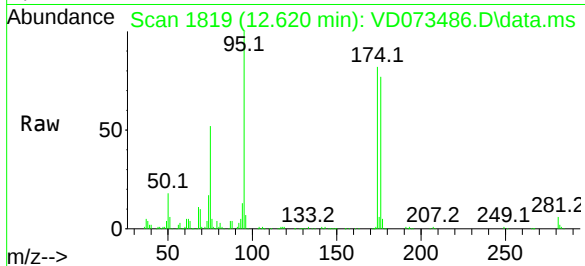




#62
4-Bromofluorobenzene
Concen: 65.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

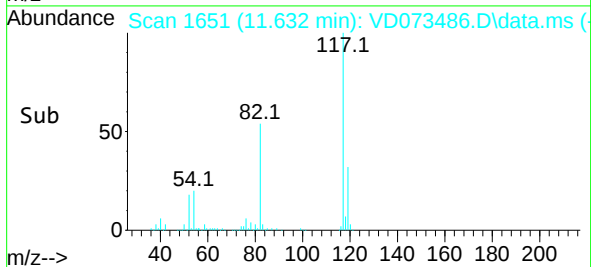
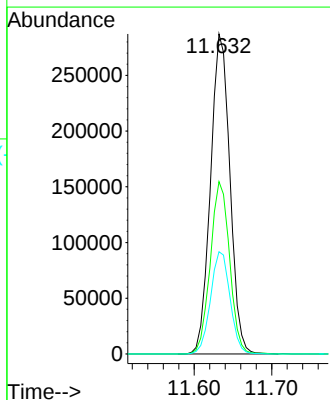
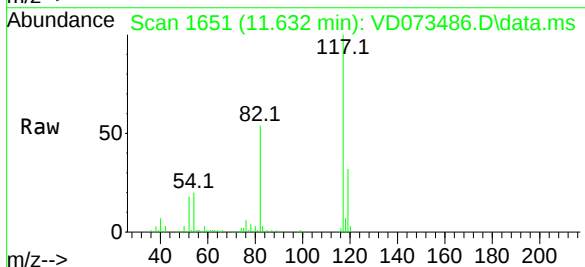
Instrument :
MSVOA_D
ClientSampleId :
21500

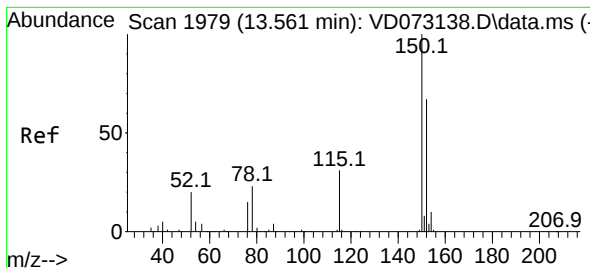
Tgt Ion: 95 Resp: 252129
Ion Ratio Lower Upper
95 100
174 80.0 0.0 152.8
176 77.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 117 Resp: 498629
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.9 26.6 40.0

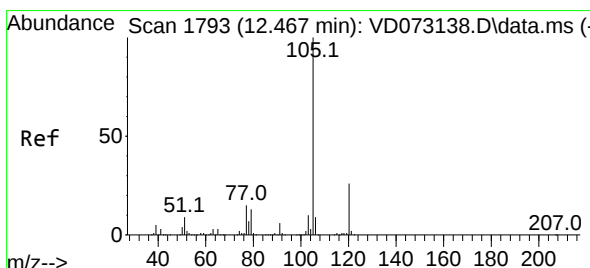
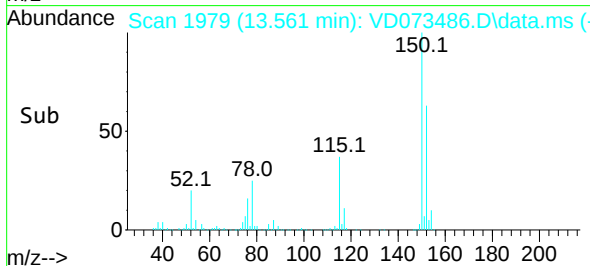
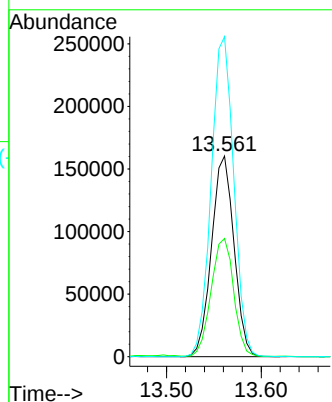
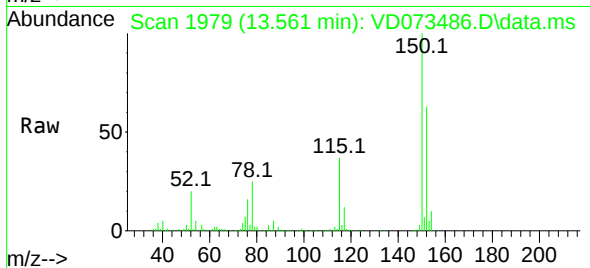




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

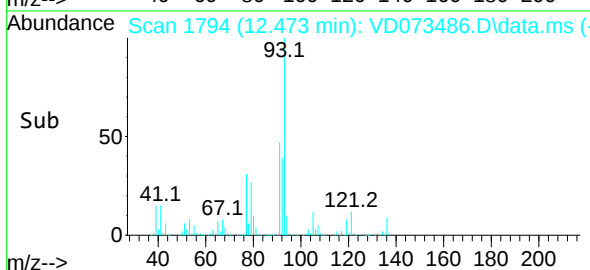
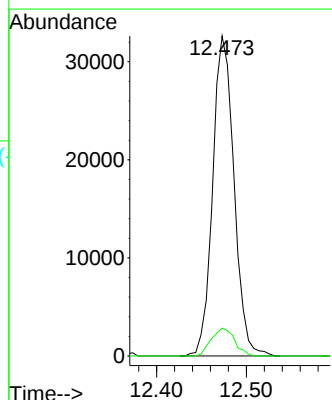
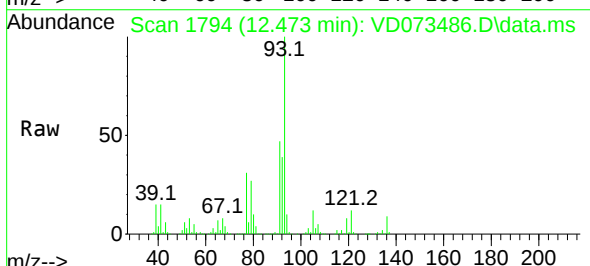
Instrument :
MSVOA_D
ClientSampleId :
21500

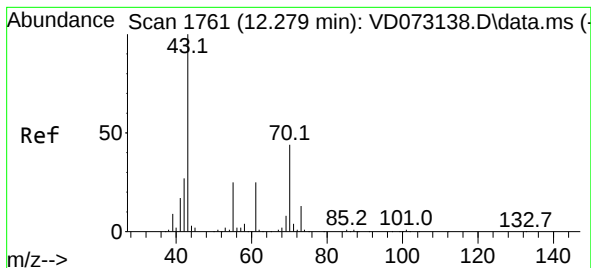
Tgt Ion:152 Resp: 264547
Ion Ratio Lower Upper
152 100
115 58.7 31.3 93.8
150 159.9 0.0 348.6



#73
Isopropylbenzene
Concen: 2.856 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion:105 Resp: 53853
Ion Ratio Lower Upper
105 100
120 9.5 13.0 38.9#





#74

N-amy1 acetate

Concen: 5.793 ug/l

RT: 12.473 min Scan# 1

Delta R.T. 0.194 min

Lab File: VD073486.D

Acq: 06 Jun 2022 20:45

Instrument :

MSVOA_D

ClientSampleId :

21500

Tgt Ion: 43 Resp: 23833

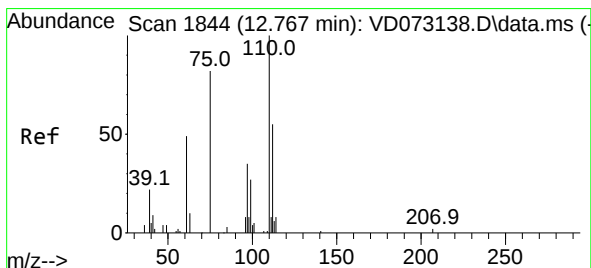
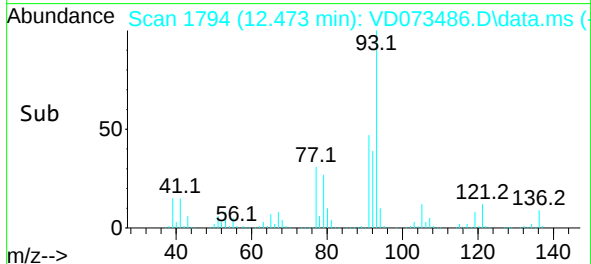
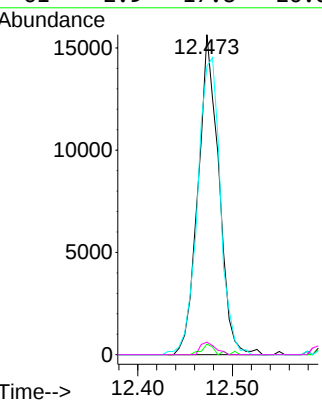
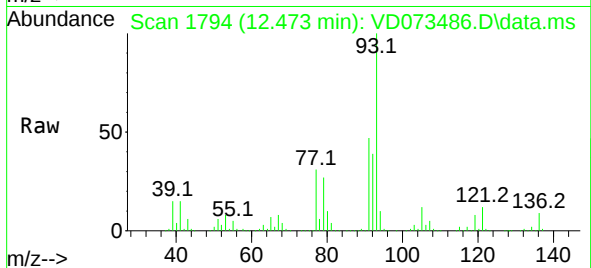
Ion Ratio Lower Upper

43 100

70 2.3 31.3 46.9#

55 101.9 20.0 30.0#

61 2.9 17.8 26.8#



#76

1,2,3-Trichloropropane

Concen: 49.880 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073486.D

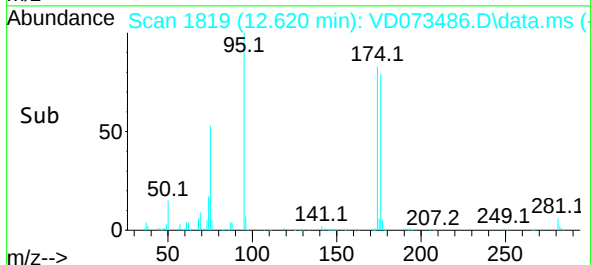
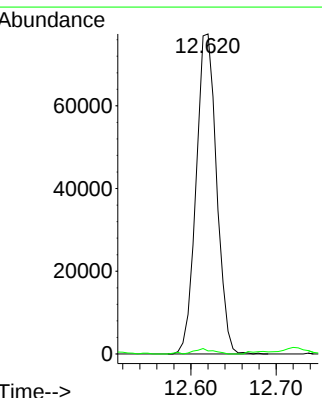
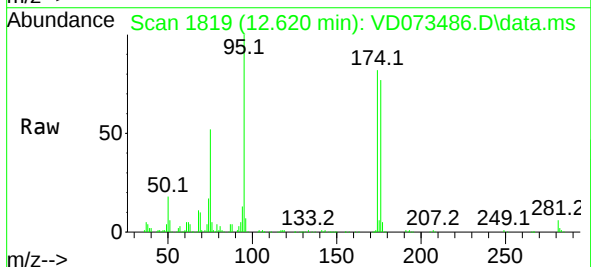
Acq: 06 Jun 2022 20:45

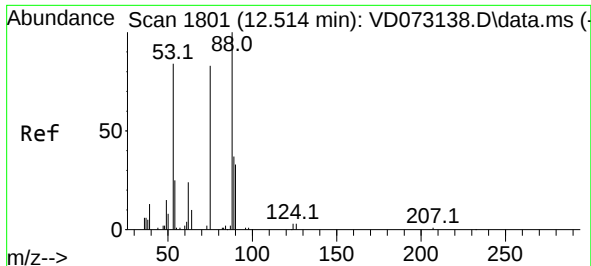
Tgt Ion: 75 Resp: 129473

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

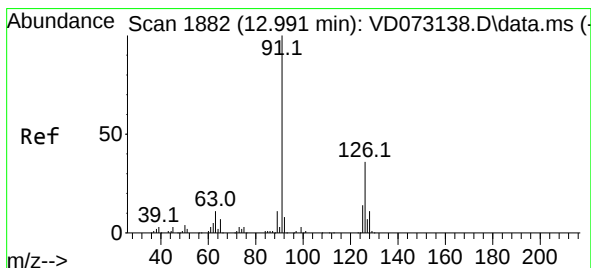
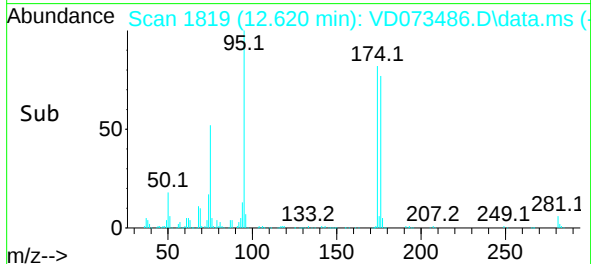
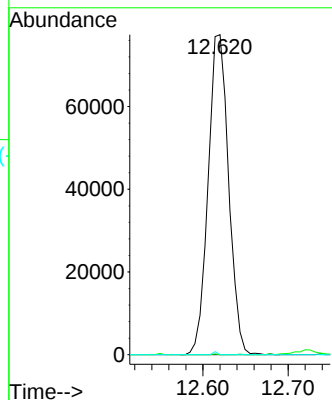
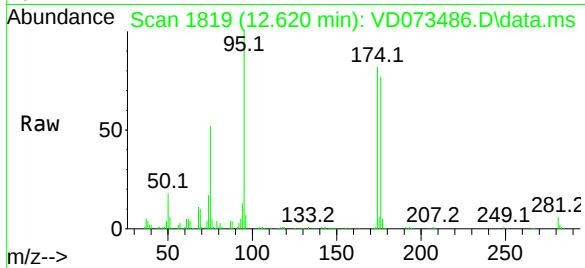




#81
trans-1,4-Dichloro-2-butene
Concen: 119.748 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

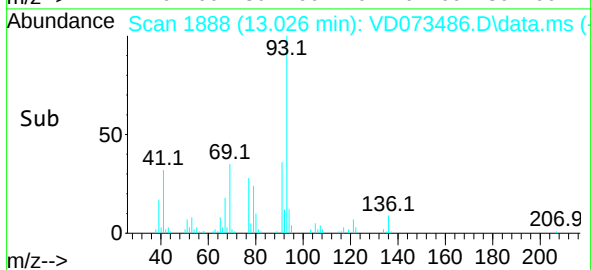
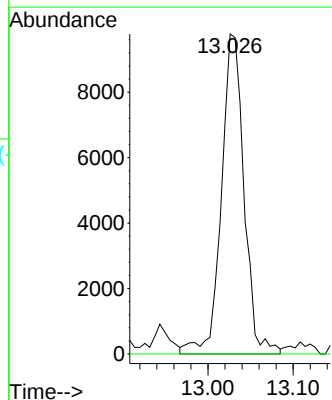
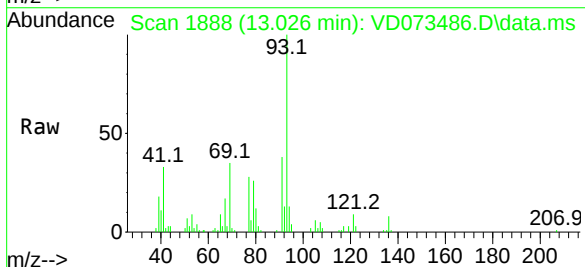
Instrument :
MSVOA_D
ClientSampleId :
21500

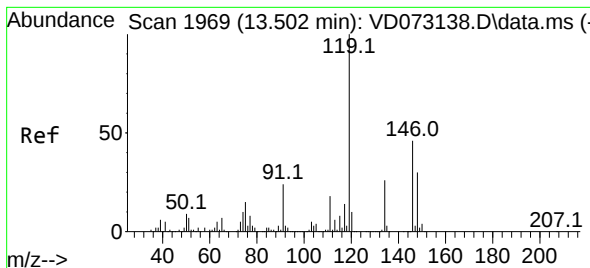
Tgt Ion: 75 Resp: 129473
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



#82
4-Chlorotoluene
Concen: 1.258 ug/l
RT: 13.026 min Scan# 1888
Delta R.T. 0.035 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion: 91 Resp: 18028
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

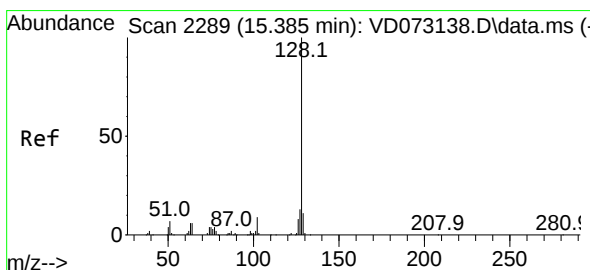
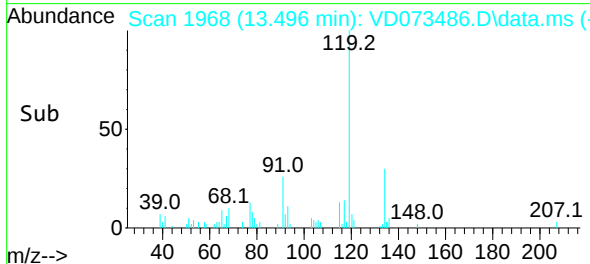
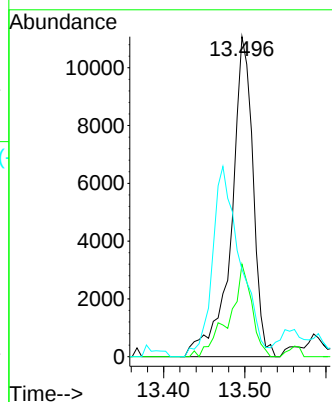
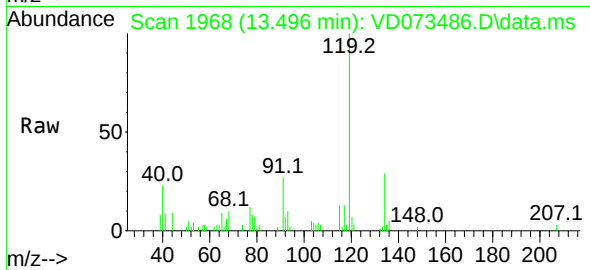




#86
p-Isopropyltoluene
Concen: 1.222 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Instrument :
MSVOA_D
ClientSampleId :
21500

Tgt Ion:119 Resp: 20482
Ion Ratio Lower Upper
119 100
134 30.3 12.9 38.6
91 0.0 12.1 36.3#



#95
Naphthalene
Concen: 265.238 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073486.D
Acq: 06 Jun 2022 20:45

Tgt Ion:128 Resp: 2438236
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.4 12.6

