

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010422\
 Data File : VD071591.D
 Acq On : 04 Jan 2022 14:21
 Operator : VA/SY
 Sample : M5337-09
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 05 01:27:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

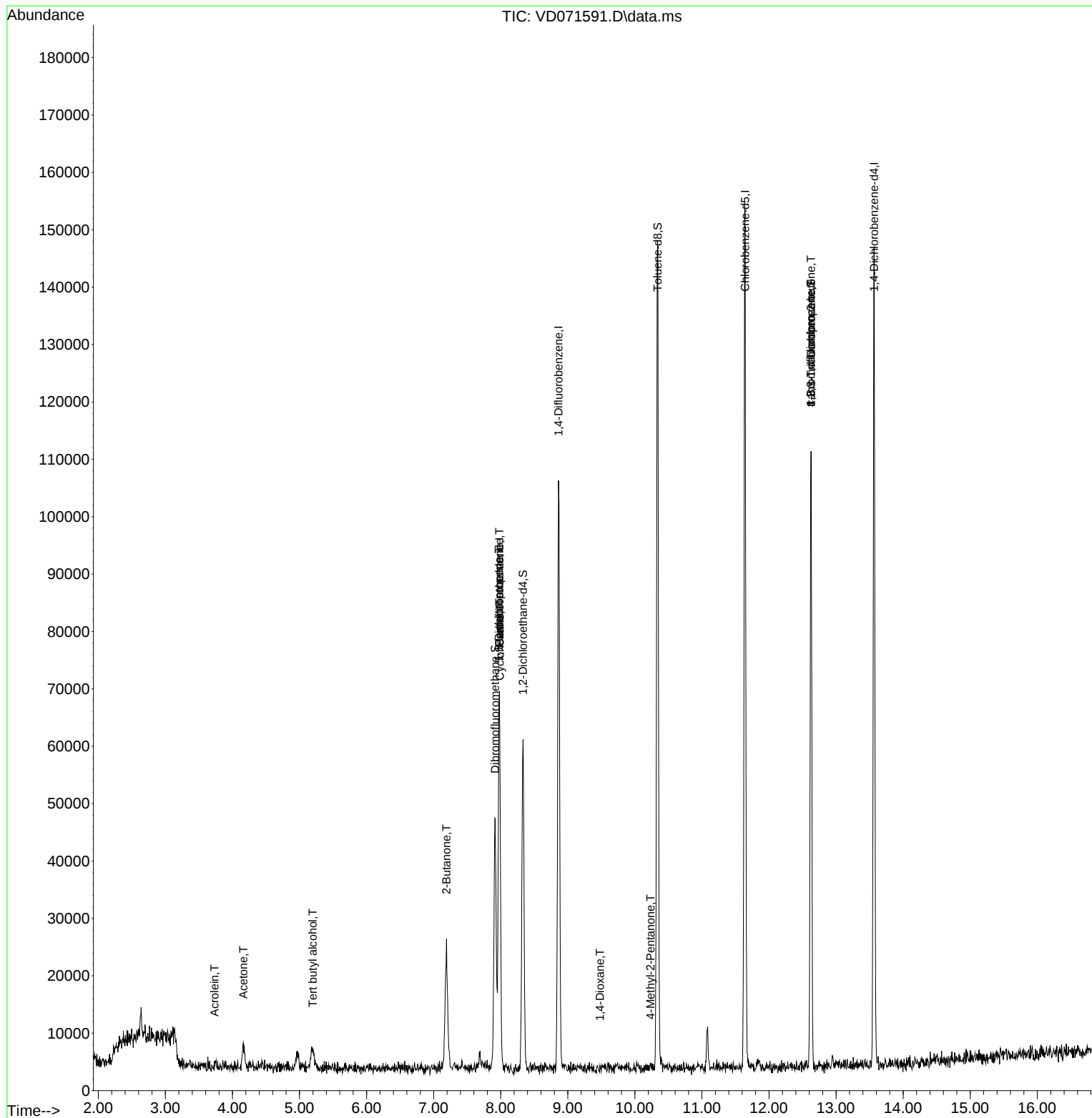
Internal Standards						
1) Pentafluorobenzene	7.979	168	44339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	79664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	77898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	33374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	45908	77.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.920%			
35) Dibromofluoromethane	7.914	113	29050	54.258	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.520%			
50) Toluene-d8	10.338	98	96592	47.740	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.626	95	33210	46.191	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	4609	73.984	ug/l #	79
13) Acrolein	3.732	56	68	2.391	ug/l	89
16) Acetone	4.162	43	7648	51.707	ug/l #	70
20) Methylene Chloride	4.956	84	717	Below Cal	#	92
25) 2-Butanone	7.191	43	1167	6.605	ug/l #	45
31) Cyclohexane	7.985	56	1300	1.300	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	4111	4.806	ug/l #	46
38) Carbon Tetrachloride	7.979	117	5108	6.053	ug/l #	12
49) 1,4-Dioxane	9.479	88	63	16.912	ug/l #	23
51) 4-Methyl-2-Pentanone	10.232	43	743	1.802	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	19373	48.855	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	19373	138.040	ug/l #	18

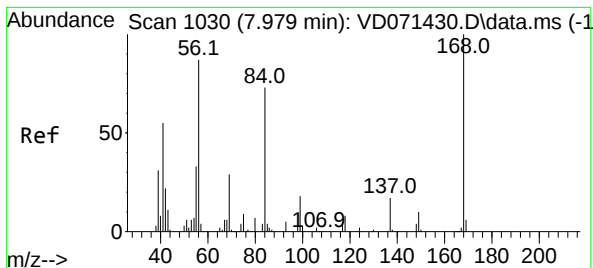
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD071591.D

Acq: 04 Jan 2022 14:21

Instrument :

MSVOA_D

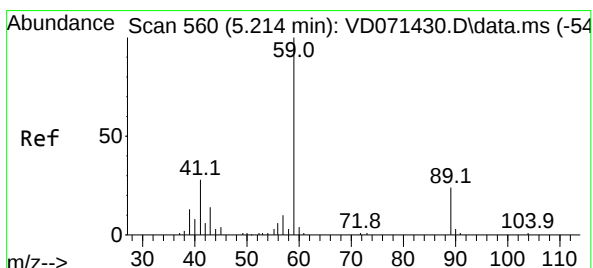
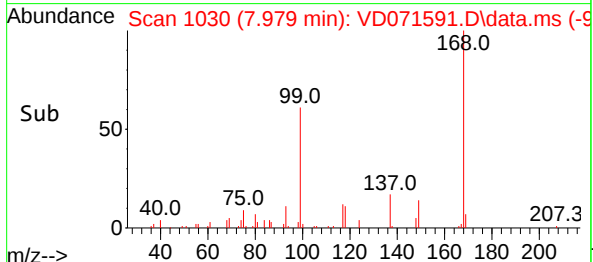
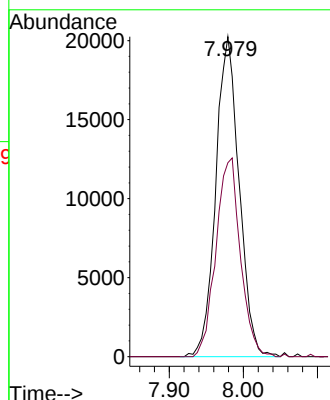
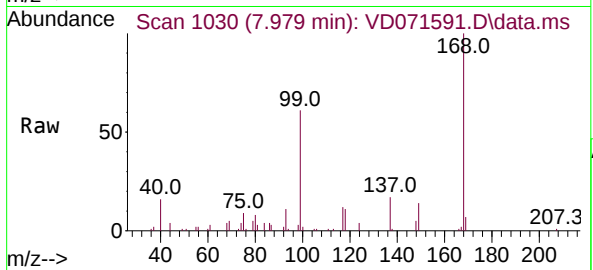
ClientSampleId :

Tgt Ion:168 Resp: 44339

Ion Ratio Lower Upper

168 100

99 60.6 46.6 69.8



#11

Tert butyl alcohol

Concen: 73.984 ug/l

RT: 5.197 min Scan# 557

Delta R.T. -0.012 min

Lab File: VD071591.D

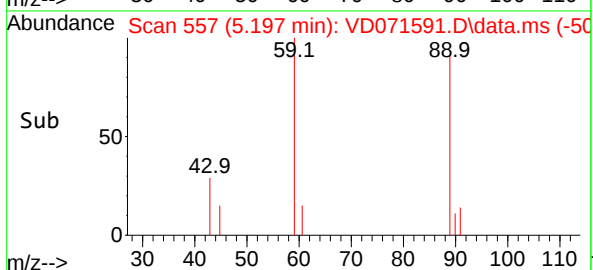
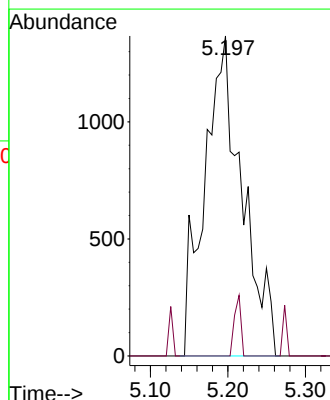
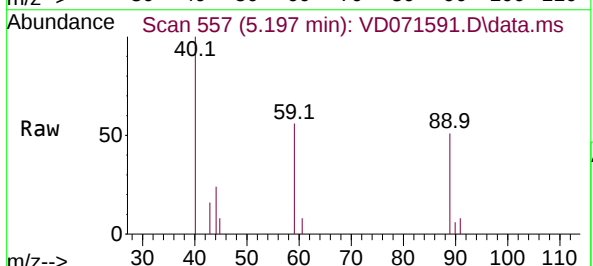
Acq: 04 Jan 2022 14:21

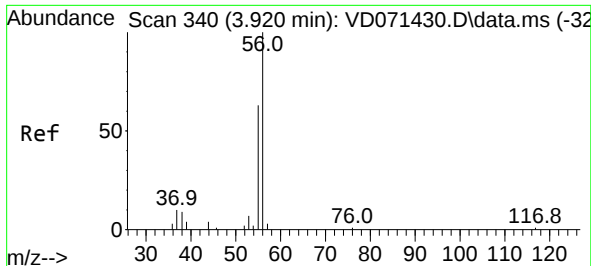
Tgt Ion: 59 Resp: 4609

Ion Ratio Lower Upper

59 100

57 3.3 9.0 13.4#

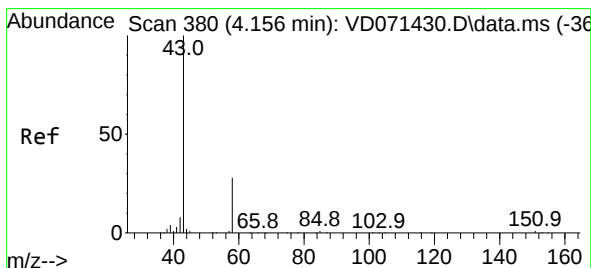
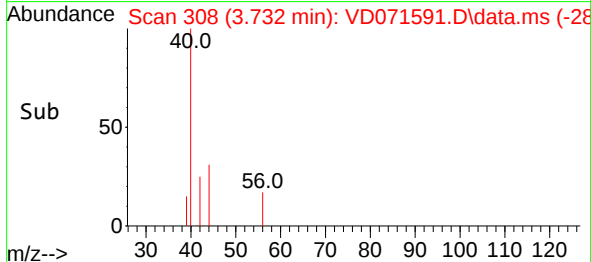
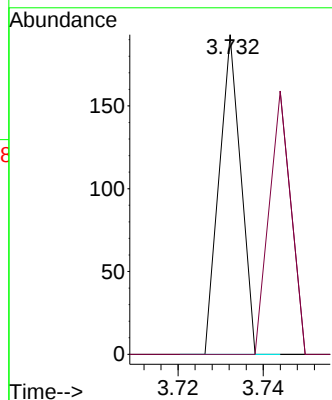
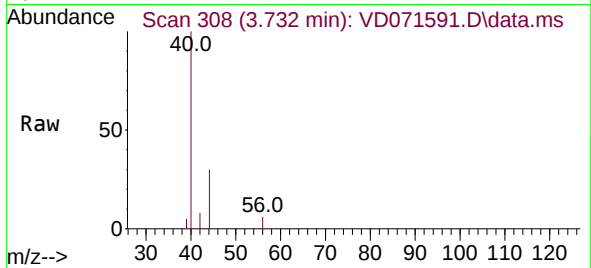




#13
Acrolein
Concen: 2.391 ug/l
RT: 3.732 min Scan# 308
Delta R.T. -0.182 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

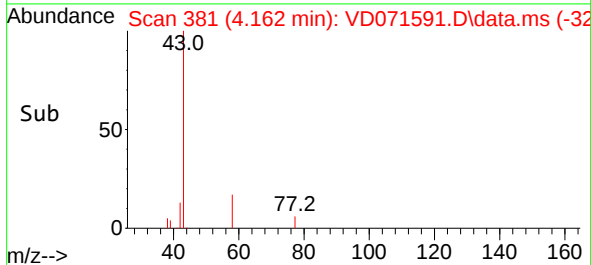
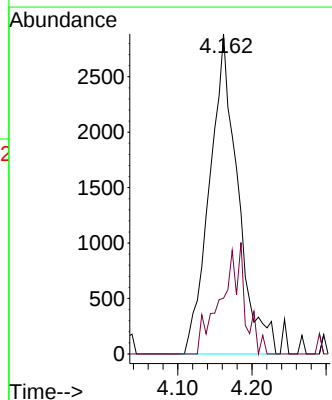
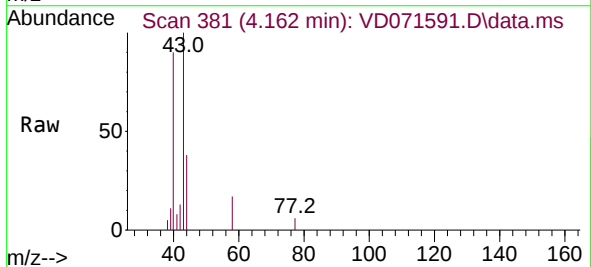
Instrument :
MSVOA_D
ClientSampleId :

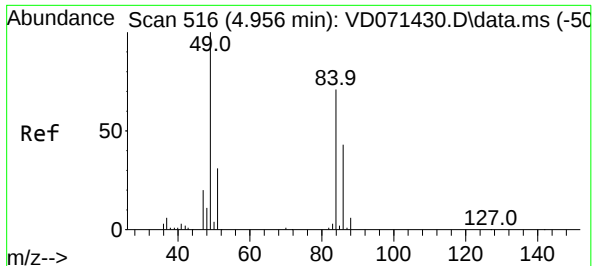
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 82.4 58.6 87.8



#16
Acetone
Concen: 51.707 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

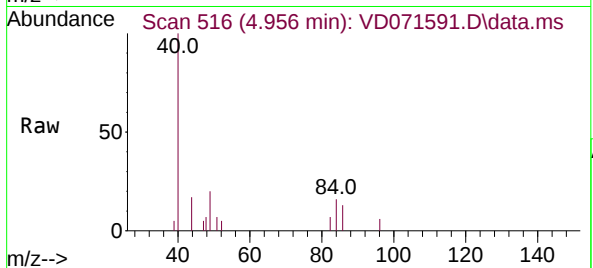
Tgt Ion: 43 Resp: 7648
Ion Ratio Lower Upper
43 100
58 17.5 27.8 41.8#



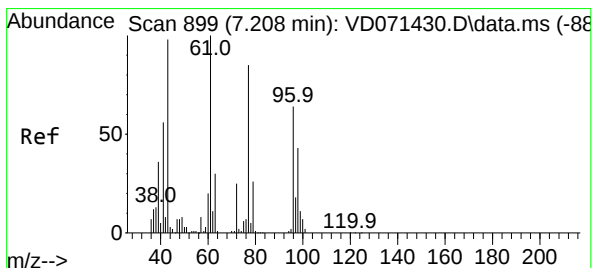
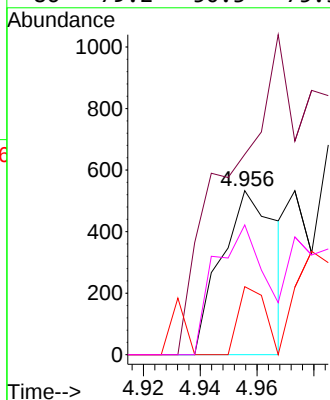
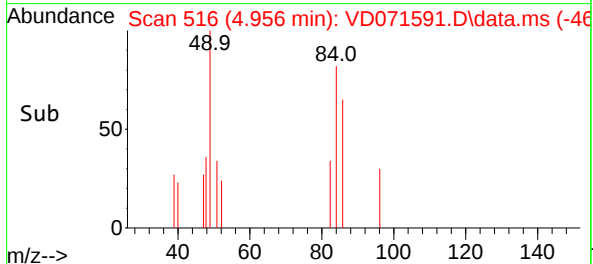


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :

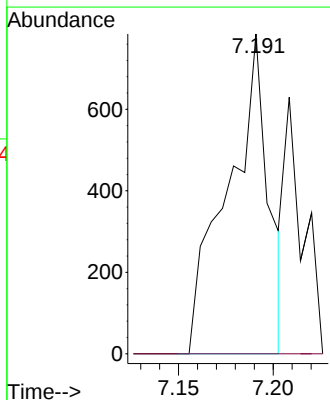
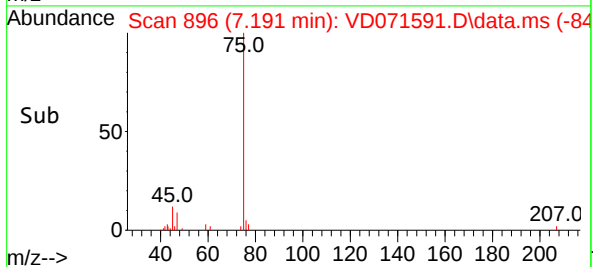
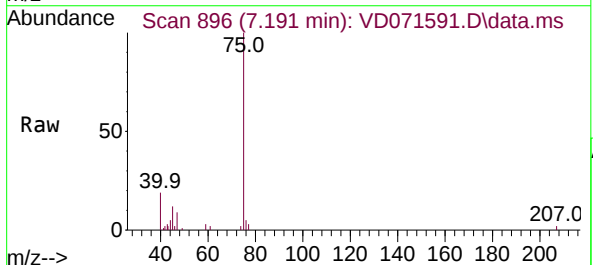


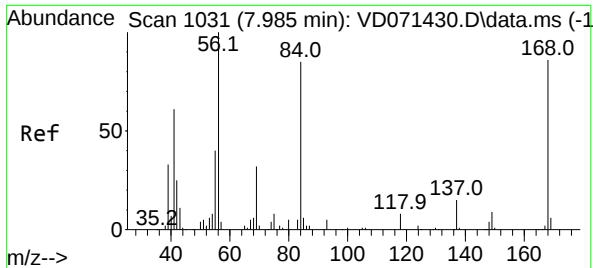
Tgt Ion:	84	Resp:	717
Ion	Ratio	Lower	Upper
84	100		
49	122.1	95.8	143.6
51	41.5	30.9	46.3
86	79.2	50.3	75.5#



#25
2-Butanone
Concen: 6.605 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

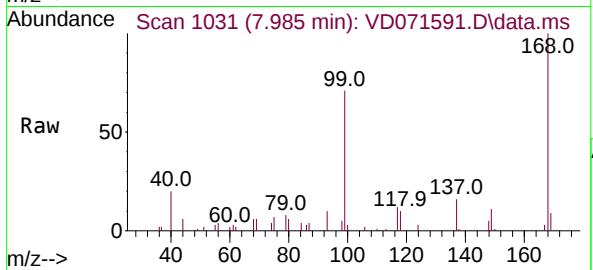
Tgt Ion:	43	Resp:	1167
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#



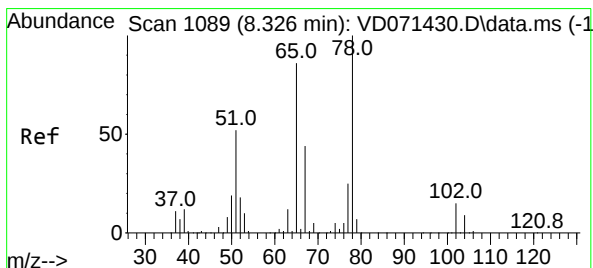
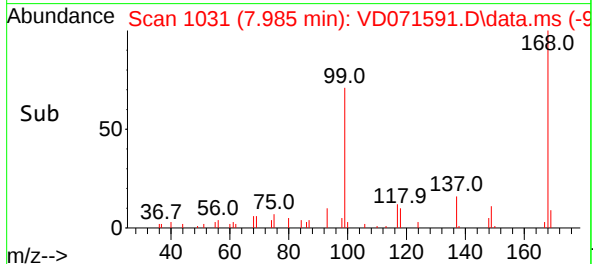
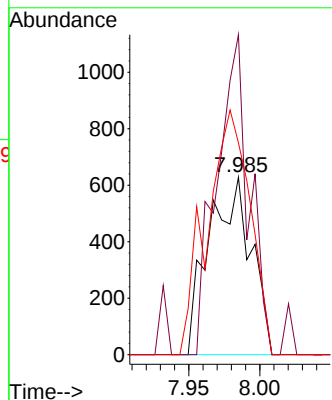


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :

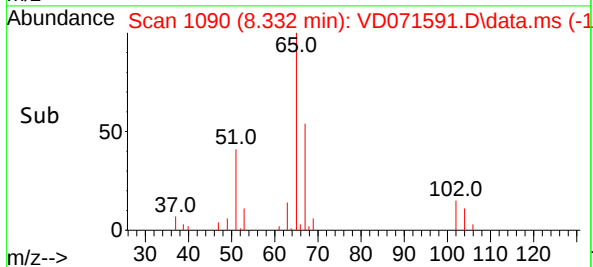
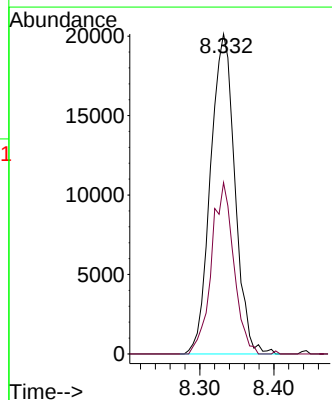
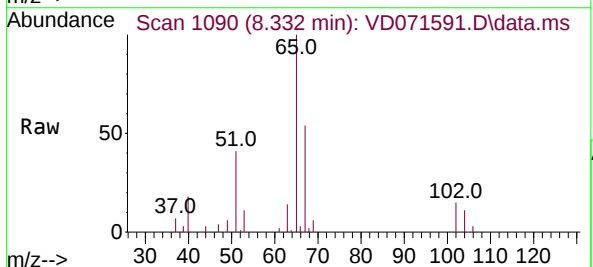


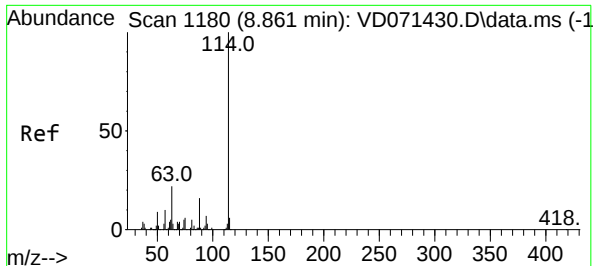
Tgt Ion: 56 Resp: 1300
Ion Ratio Lower Upper
56 100
69 180.4 25.9 38.9#
84 119.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 77.961 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Tgt Ion: 65 Resp: 45908
Ion Ratio Lower Upper
65 100
67 49.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071591.D

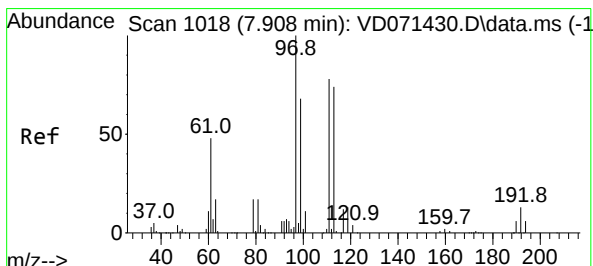
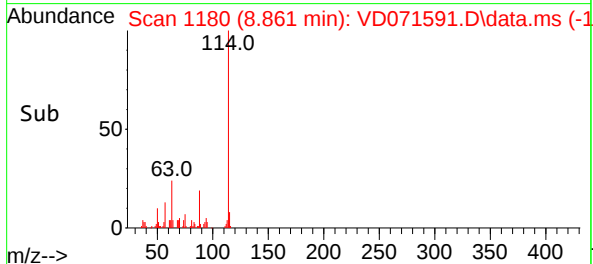
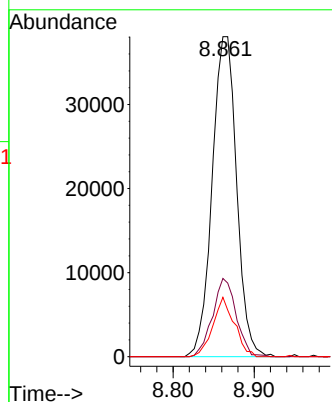
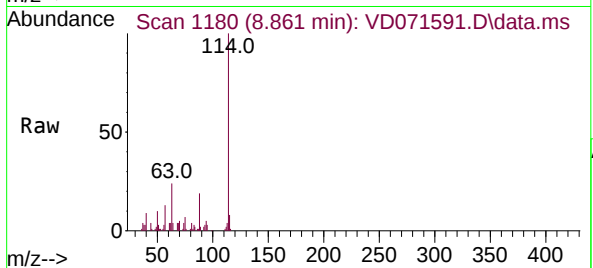
Acq: 04 Jan 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	114	Resp:	79664
Ion Ratio	Lower	Upper	
114	100		
63	24.5	0.0	41.8
88	18.6	0.0	32.8



#35

Dibromofluoromethane

Concen: 54.258 ug/l

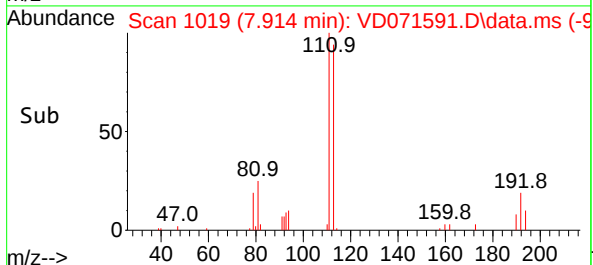
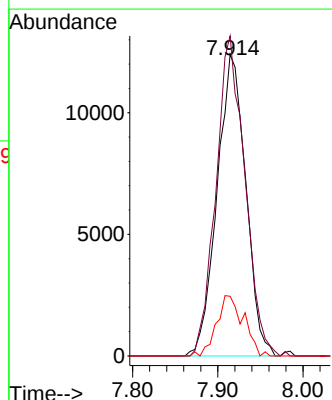
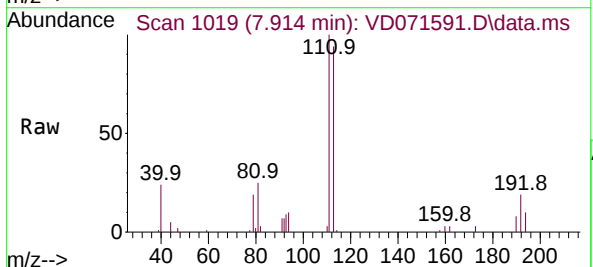
RT: 7.914 min Scan# 1019

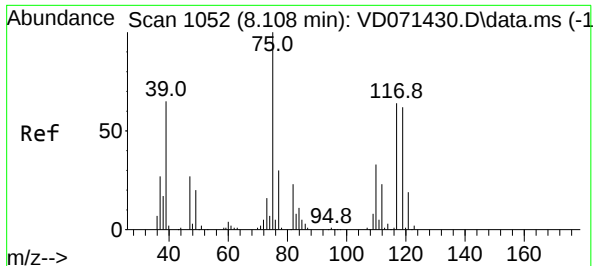
Delta R.T. 0.006 min

Lab File: VD071591.D

Acq: 04 Jan 2022 14:21

Tgt Ion:	113	Resp:	29050
Ion Ratio	Lower	Upper	
113	100		
111	106.5	82.0	123.0
192	18.8	15.2	22.8





#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

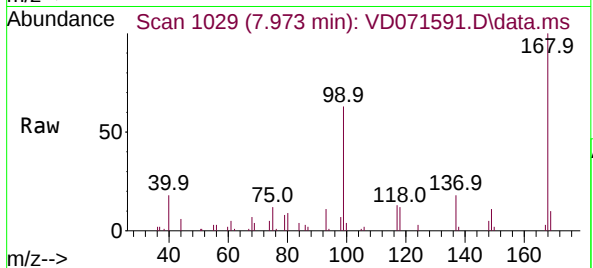
Lab File: VD071591.D

Acq: 04 Jan 2022 14:21

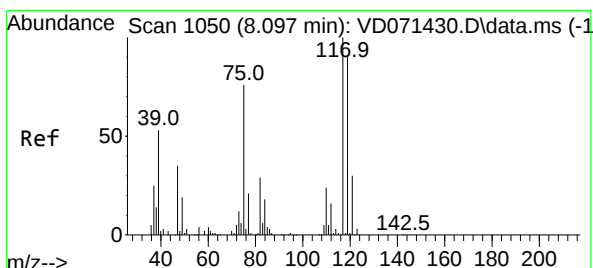
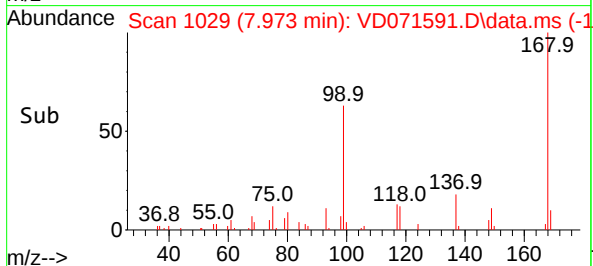
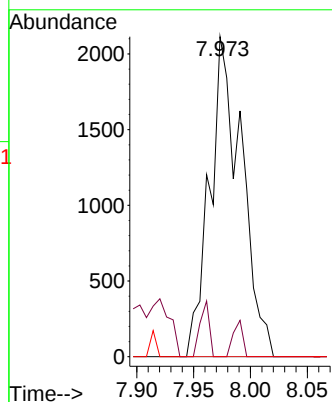
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 4111
Ion Ratio	Lower Upper
75	100
110	5.1 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.053 ug/l

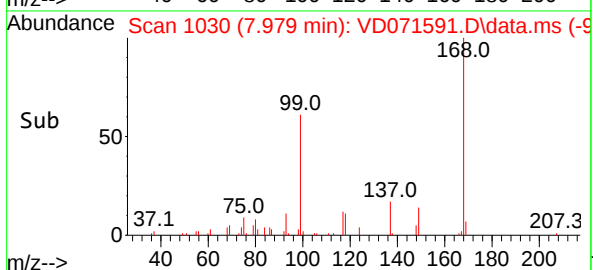
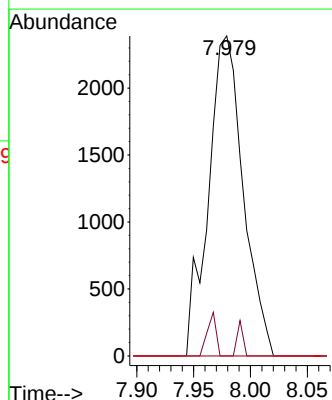
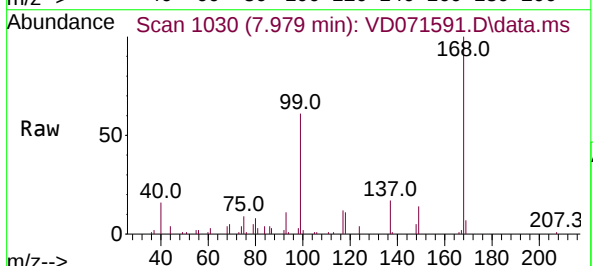
RT: 7.979 min Scan# 1030

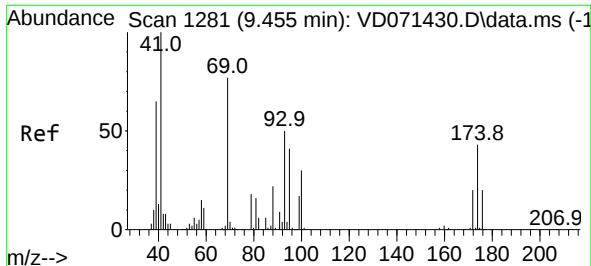
Delta R.T. -0.118 min

Lab File: VD071591.D

Acq: 04 Jan 2022 14:21

Tgt Ion: 117	Resp: 5108
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#





#49

1,4-Dioxane

Concen: 16.912 ug/l

RT: 9.479 min Scan# 11

Delta R.T. 0.024 min

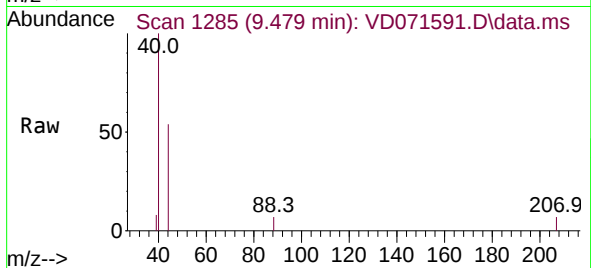
Lab File: VD071591.D

Acq: 04 Jan 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :



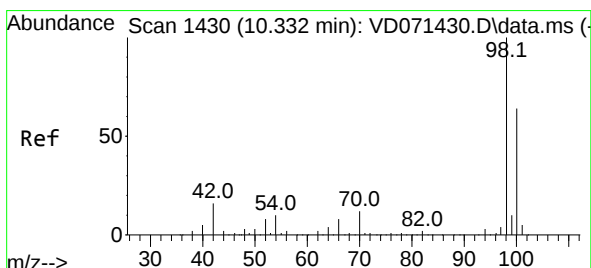
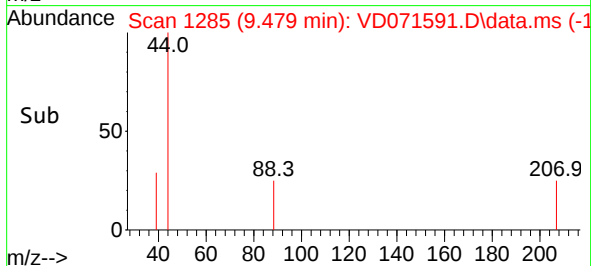
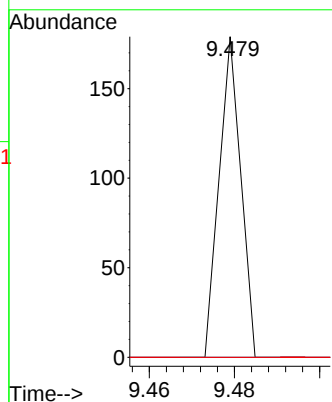
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 47.740 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071591.D

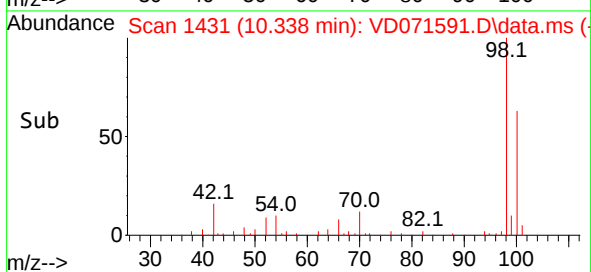
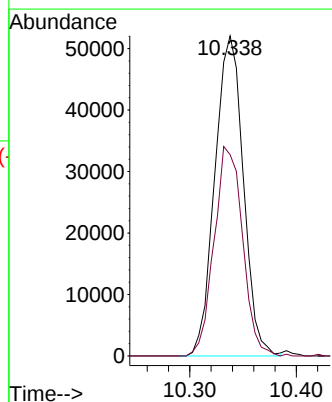
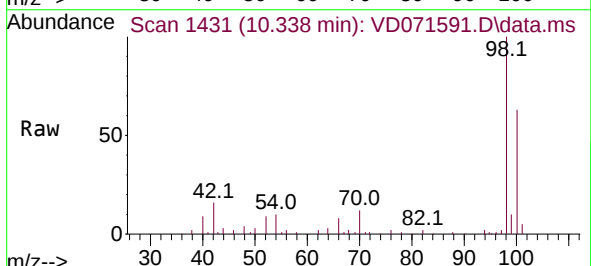
Acq: 04 Jan 2022 14:21

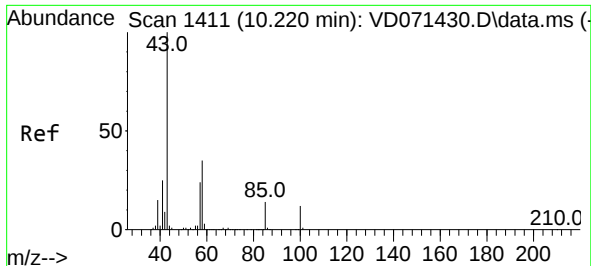
Tgt Ion: 98 Resp: 96592

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6

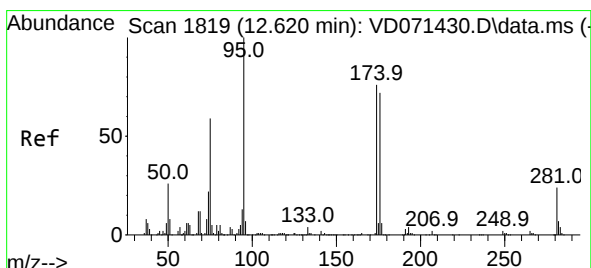
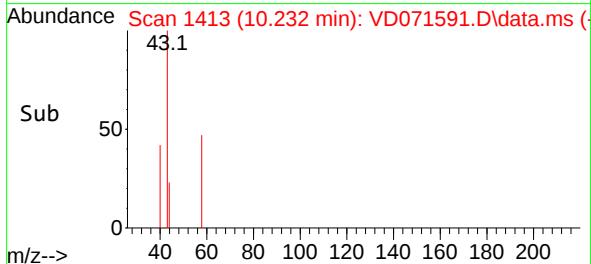
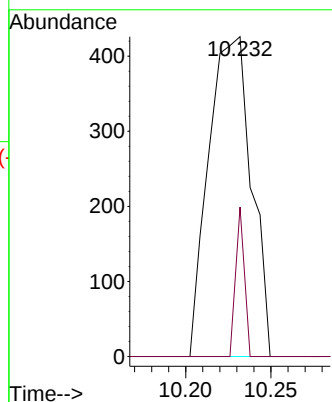
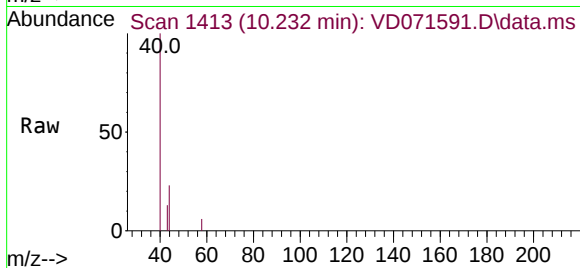




#51
4-Methyl-2-Pentanone
Concen: 1.802 ug/l
RT: 10.232 min Scan# 1411
Delta R.T. 0.012 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

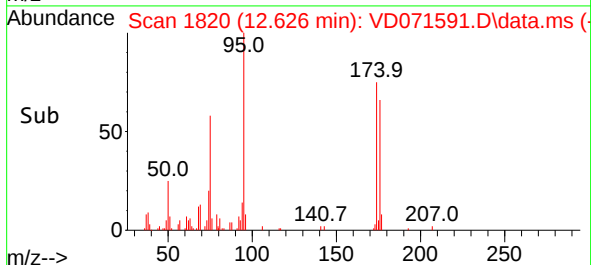
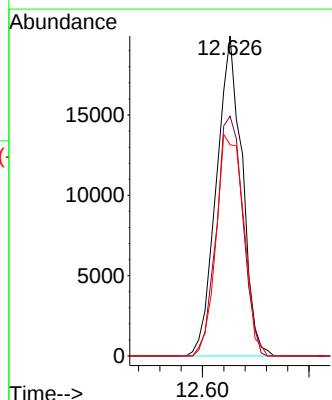
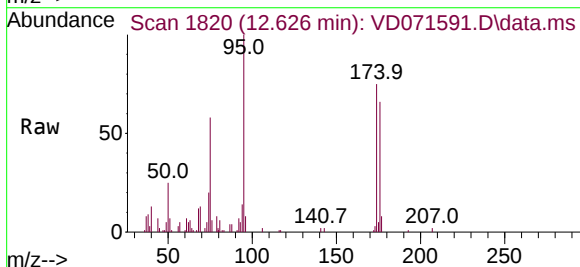
Instrument :
MSVOA_D
ClientSampleId :

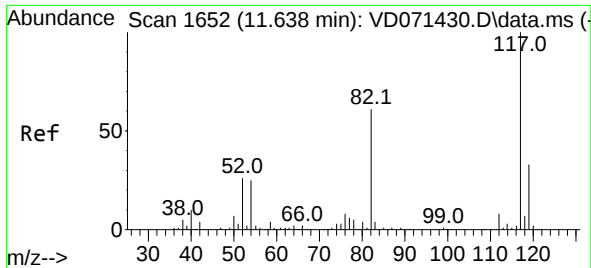
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 9.4 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 46.191 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Tgt Ion: 95 Resp: 33210
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.4
176 74.3 0.0 154.0

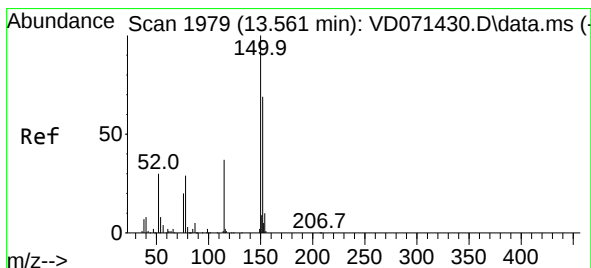
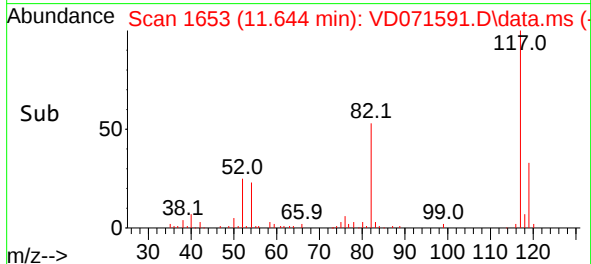
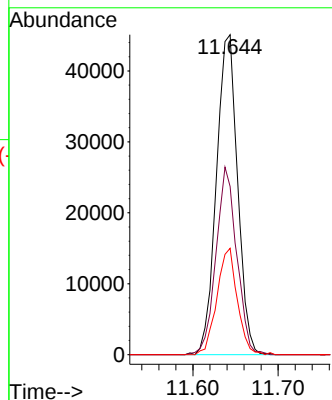
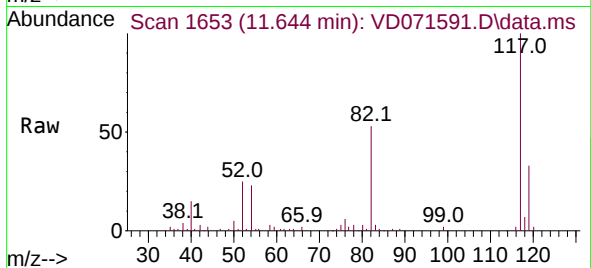




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

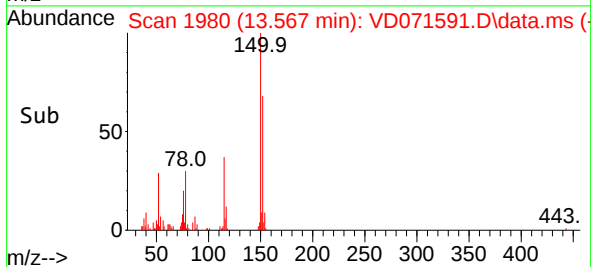
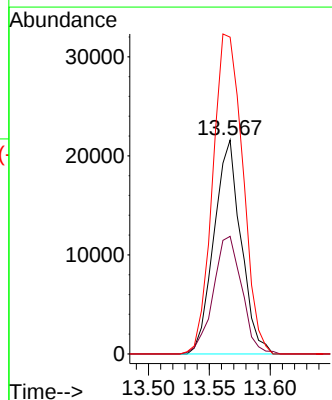
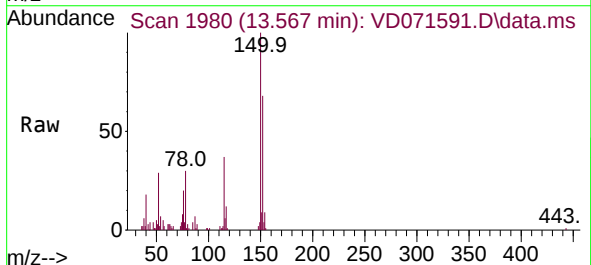
Instrument :
MSVOA_D
ClientSampleId :

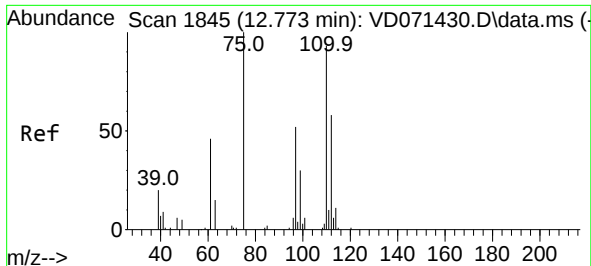
Tgt Ion:117 Resp: 77898
Ion Ratio Lower Upper
117 100
82 52.5 44.7 67.1
119 33.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Tgt Ion:152 Resp: 33374
Ion Ratio Lower Upper
152 100
115 58.0 29.8 89.3
150 166.2 0.0 349.2

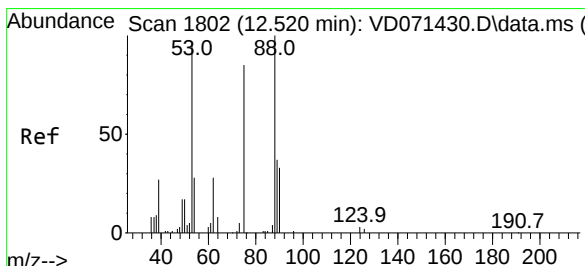
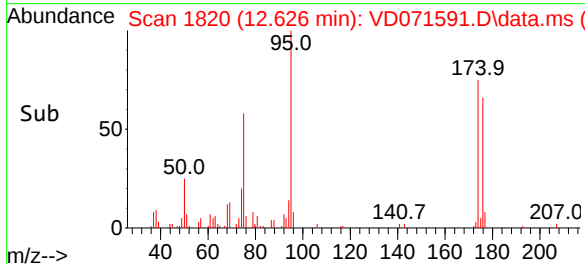
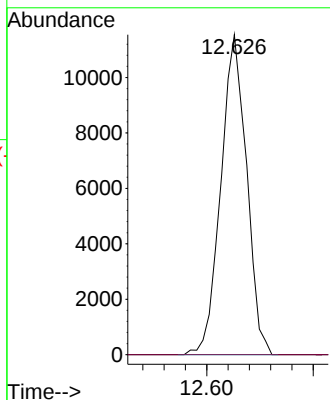
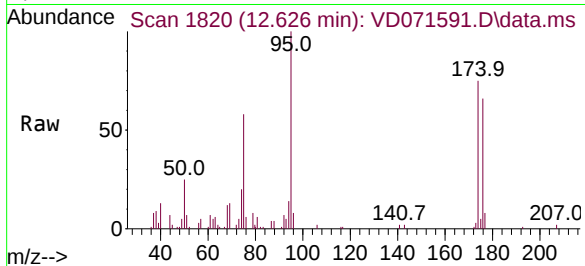




#76
1,2,3-Trichloropropane
Concen: 48.855 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 19373
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.040 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071591.D
Acq: 04 Jan 2022 14:21

Tgt Ion: 75 Resp: 19373
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

