

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068811.D
 Acq On : 09 Apr 2021 14:54
 Operator : VA/SY
 Sample : M1979-21RE
 Misc : 4.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-21

Quant Time: Apr 10 00:42:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

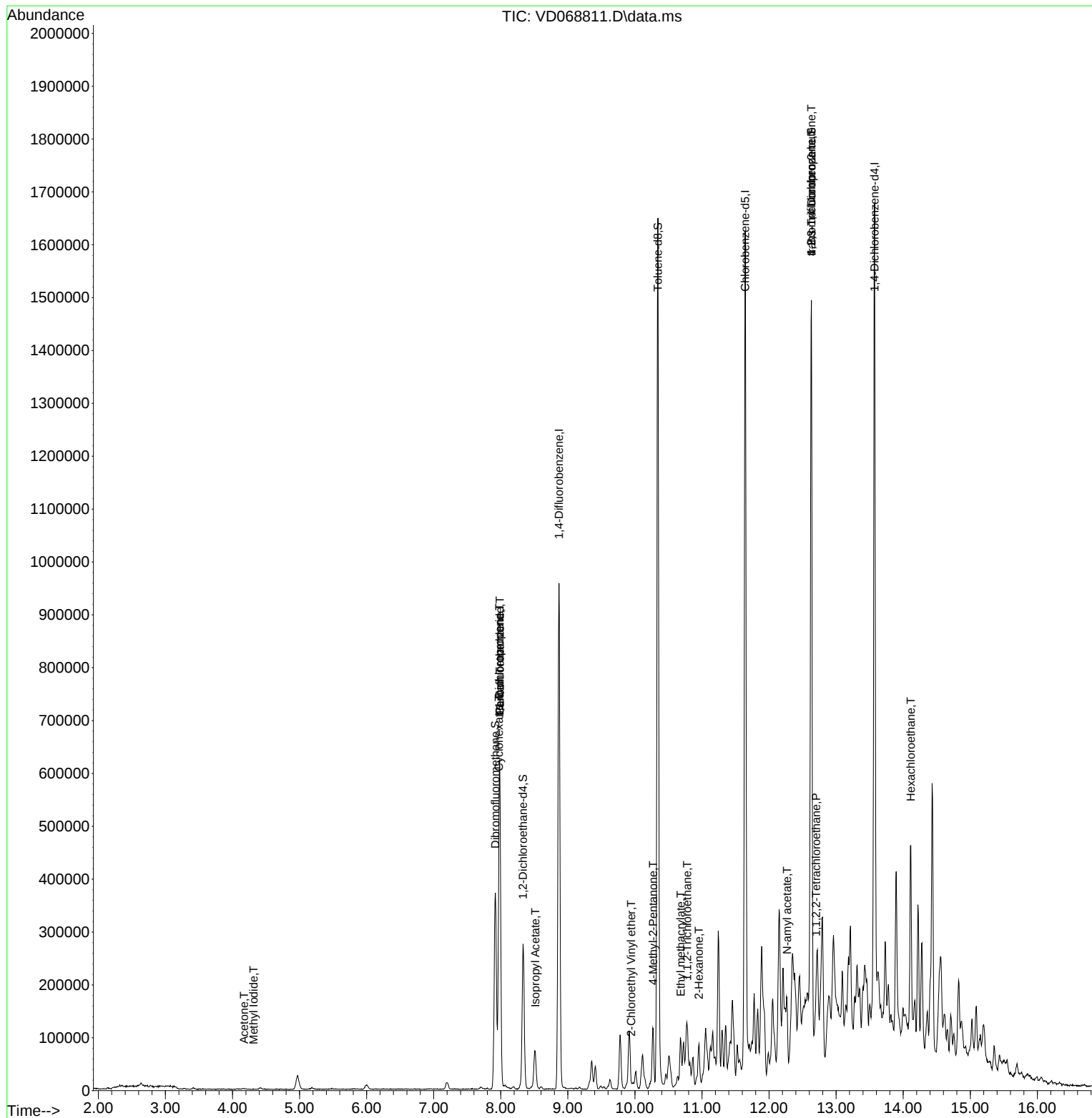
Internal Standards						
1) Pentafluorobenzene	7.985	168	490398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	886900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	942958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	448841	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	214697	41.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.84%		
35) Dibromofluoromethane	7.920	113	269207	46.67	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.34%		
50) Toluene-d8	10.343	98	1134943	52.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.30%		
62) 4-Bromofluorobenzene	12.632	95	443723	61.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	122.78%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	201	2.28	ug/l #	41
11) Tert butyl alcohol	5.261	59	59	Below Cal	#	73
16) Acetone	4.173	43	3039	4.23	ug/l #	86
20) Methylene Chloride	4.967	84	22602	Below Cal	#	82
31) Cyclohexane	7.973	56	10547	1.22	ug/l #	25
36) 1,1-Dichloropropene	7.979	75	35030	3.90	ug/l #	50
38) Carbon Tetrachloride	7.985	117	47243	5.32	ug/l #	16
43) Isopropyl Acetate	8.514	43	13041	2.43	ug/l #	45
51) 4-Methyl-2-Pentanone	10.273	43	11133	4.11	ug/l #	80
55) 1,1,2-Trichloroethane	10.779	97	42625	8.62	ug/l #	23
56) Ethyl methacrylate	10.685	69	9335	1.83	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.943	63	59	17.01	ug/l #	44
59) 2-Hexanone	10.955	43	23629	13.03	ug/l #	24
74) N-amyl acetate	12.267	43	27536	4.95	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.702	83	7984	1.30	ug/l #	89
76) 1,2,3-Trichloropropane	12.632	75	213286	52.02	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	213286	120.71	ug/l #	16
90) Hexachloroethane	14.114	117	17926	3.00	ug/l #	15

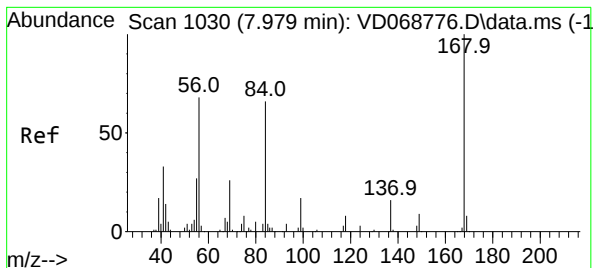
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

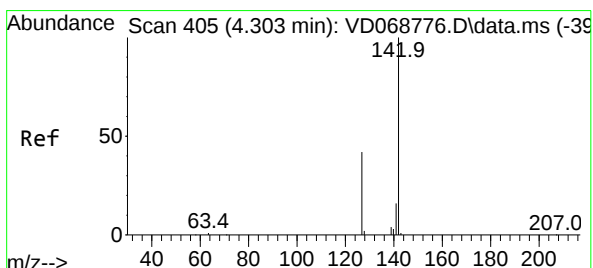
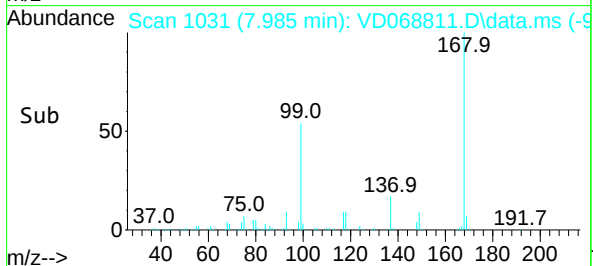
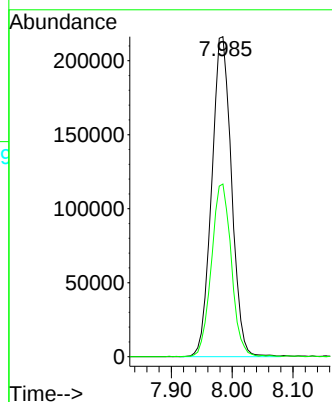
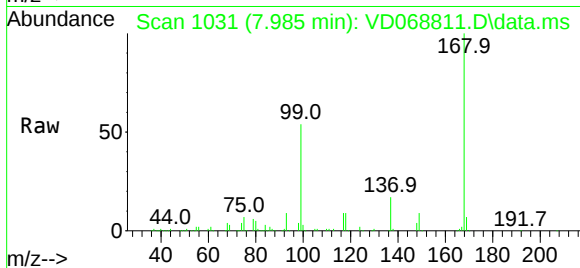




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

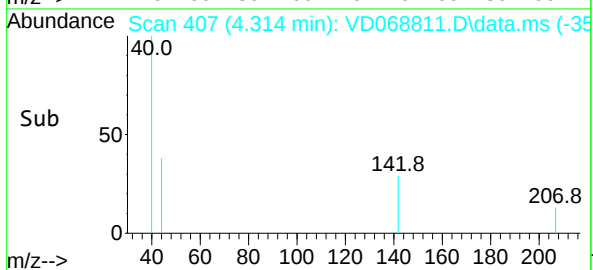
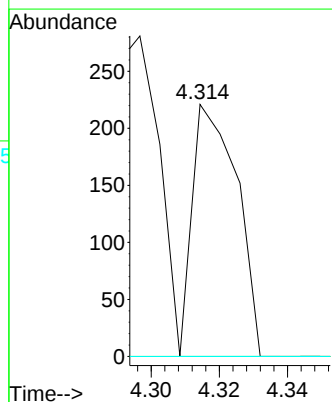
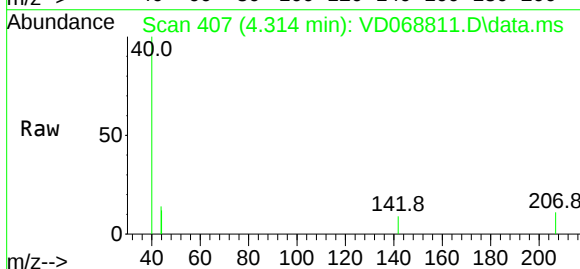
Instrument :
MSVOA_D
ClientSampleId :
S-21

Tgt Ion:168 Resp: 490398
Ion Ratio Lower Upper
168 100
99 53.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.28 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion:142 Resp: 201
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

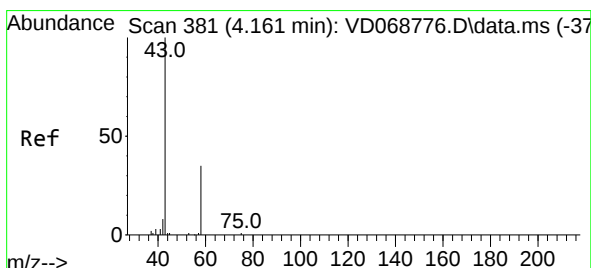
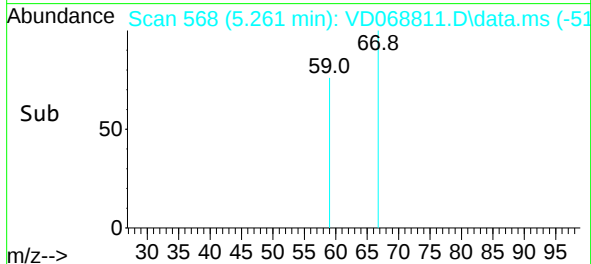
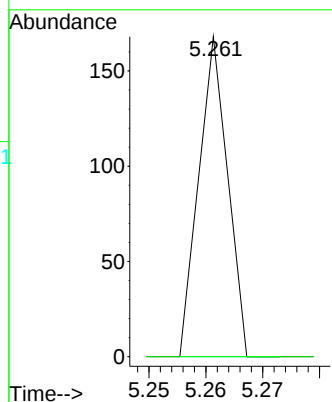
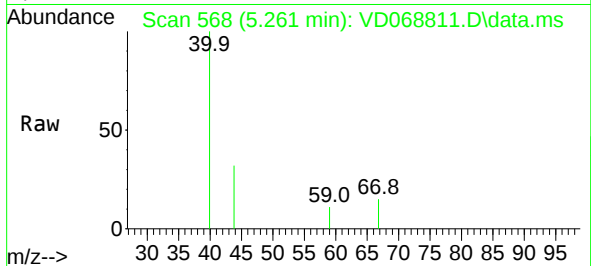




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.261 min Scan# 568
Delta R.T. 0.041 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

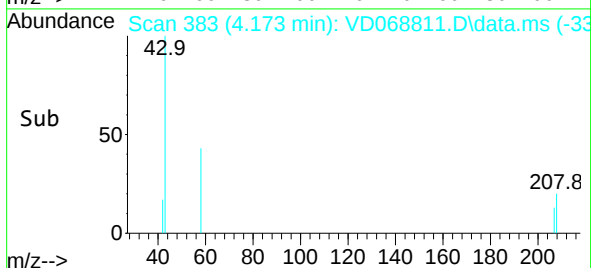
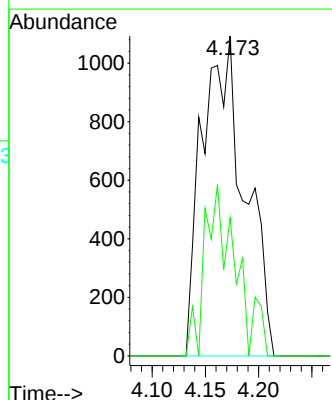
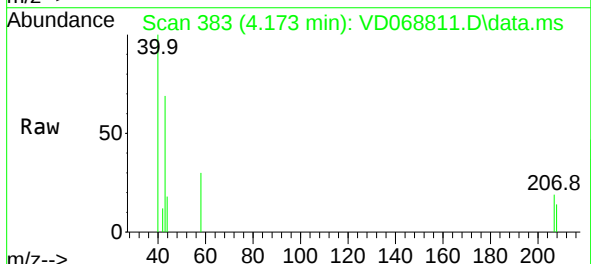
Instrument :
MSVOA_D
ClientSampled :
S-21

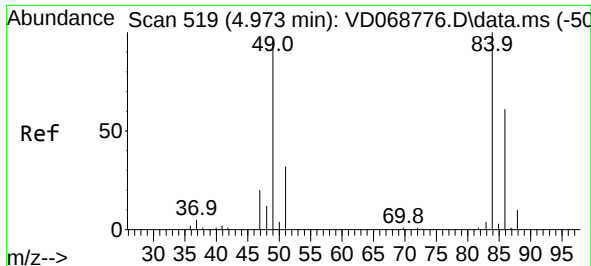
Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 4.23 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 43.1 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. -0.006 min

Lab File: VD068811.D

Acq: 09 Apr 2021 14:54

Instrument :

MSVOA_D

ClientSampleId :

S-21

Tgt Ion: 84 Resp: 22602

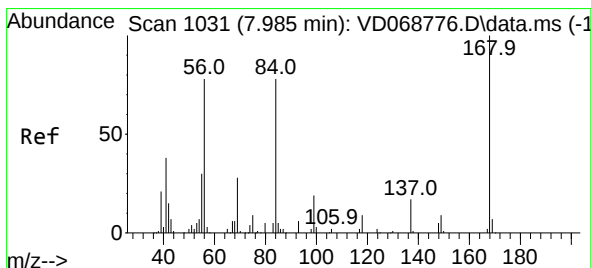
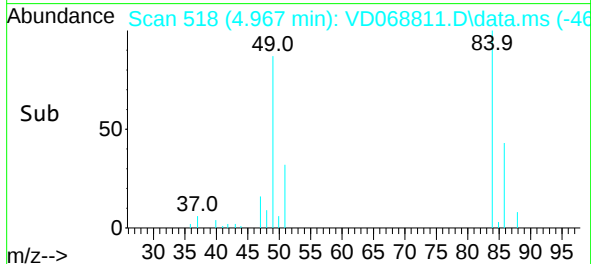
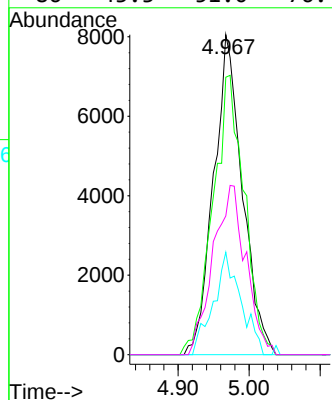
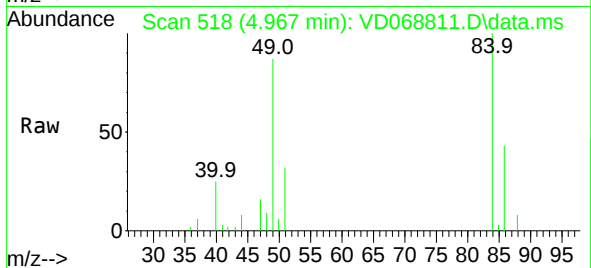
Ion Ratio Lower Upper

84 100

49 86.7 83.4 125.0

51 32.0 23.4 35.2

86 43.3 51.0 76.4#



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD068811.D

Acq: 09 Apr 2021 14:54

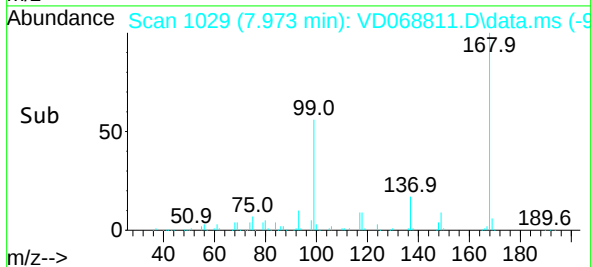
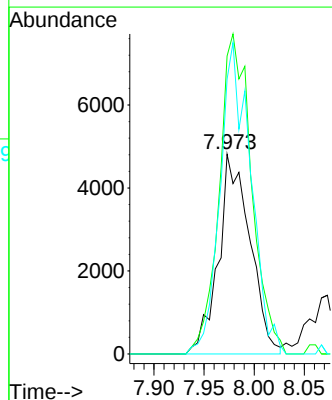
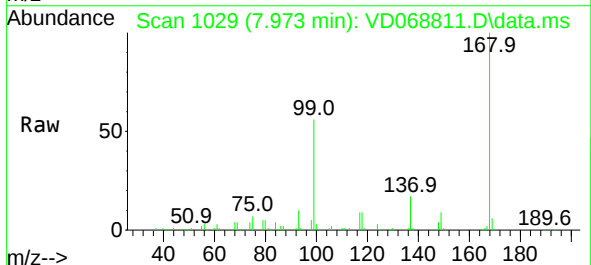
Tgt Ion: 56 Resp: 10547

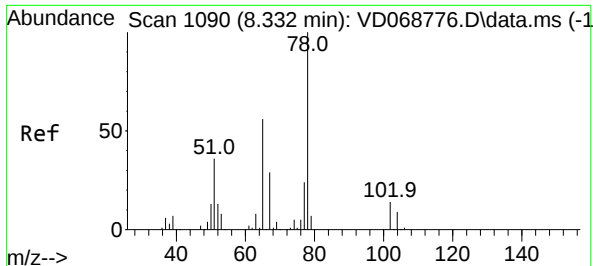
Ion Ratio Lower Upper

56 100

69 149.2 30.0 45.0#

84 137.6 82.0 123.0#

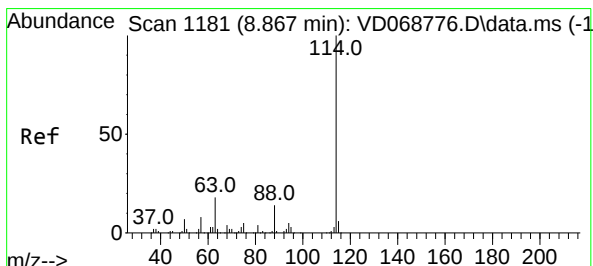
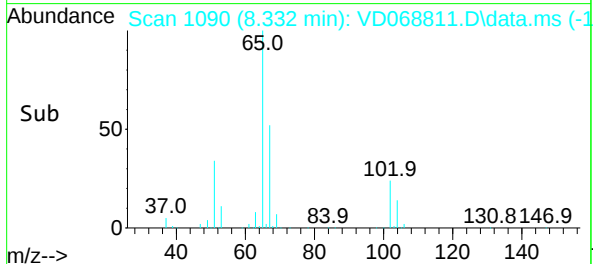
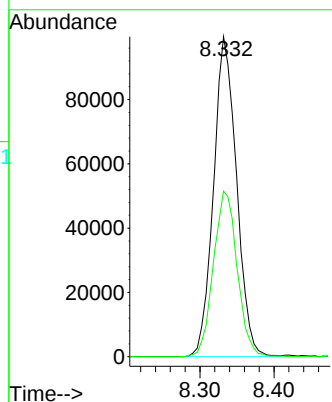
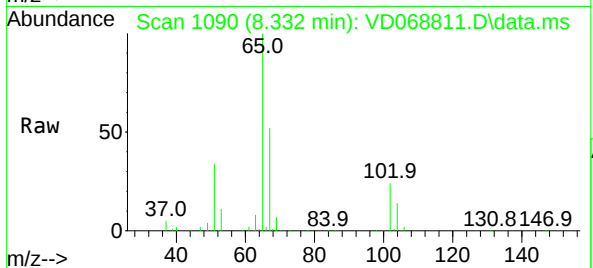




#33
1,2-Dichloroethane-d4
Concen: 41.42 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

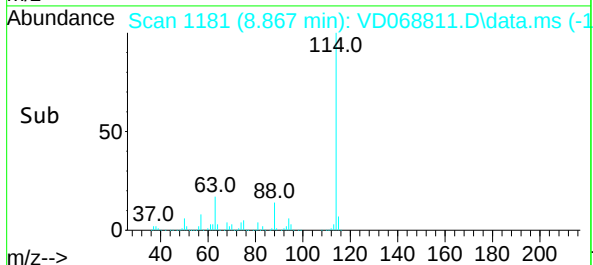
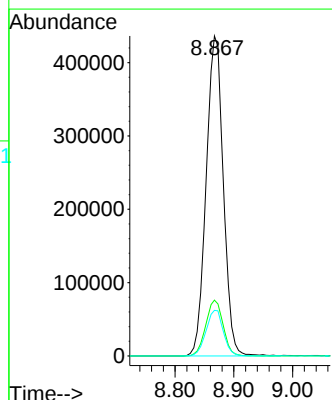
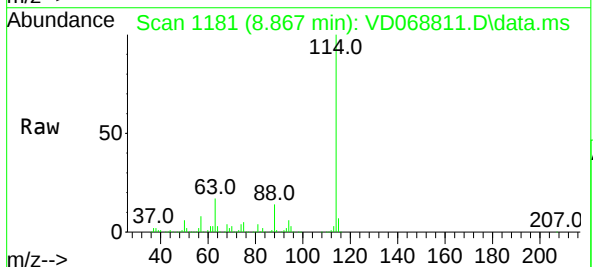
Instrument :
MSVOA_D
ClientSampled :
S-21

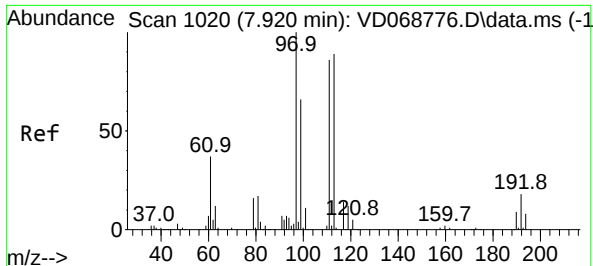
Tgt Ion: 65 Resp: 214697
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 114 Resp: 886900
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.2
88 14.2 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.67 ug/l

RT: 7.920 min Scan# 1020

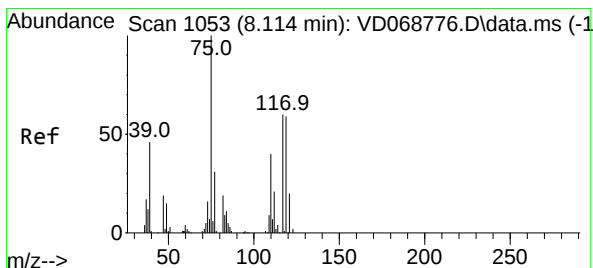
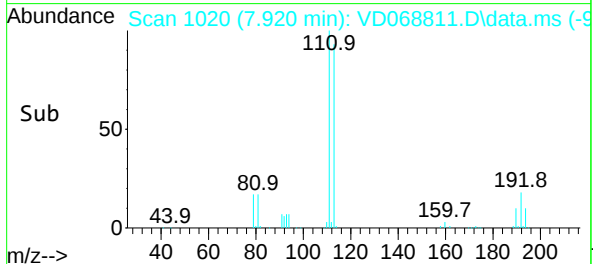
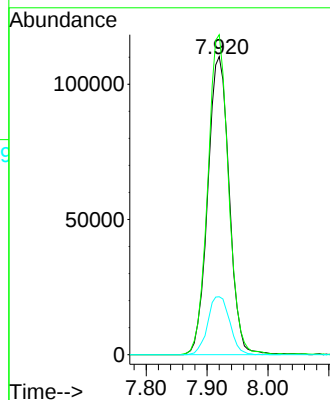
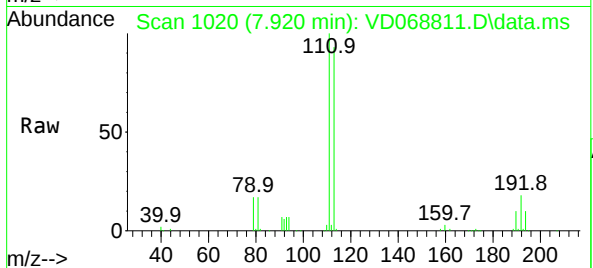
Delta R.T. -0.000 min

Lab File: VD068811.D

Acq: 09 Apr 2021 14:54

Tgt Ion:	113	Resp:	269207
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	20.0	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :
S-21



#36

1,1-Dichloropropene

Concen: 3.90 ug/l

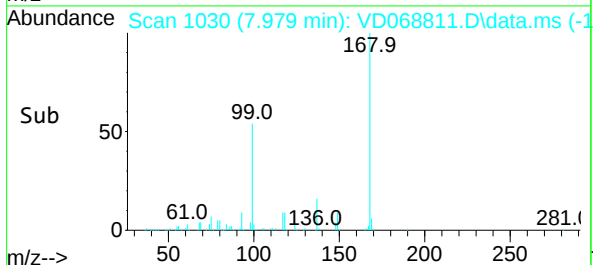
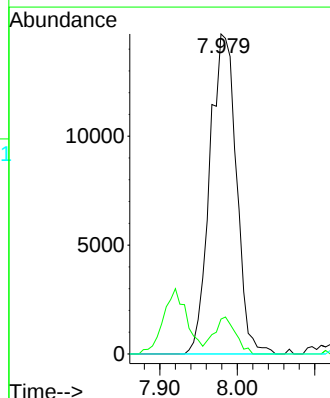
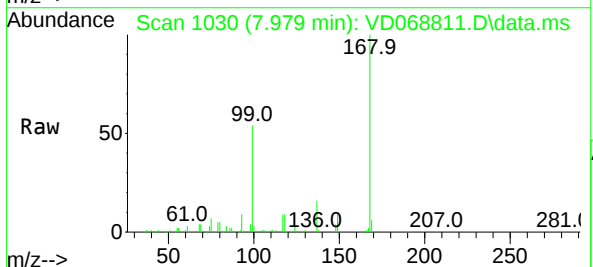
RT: 7.979 min Scan# 1030

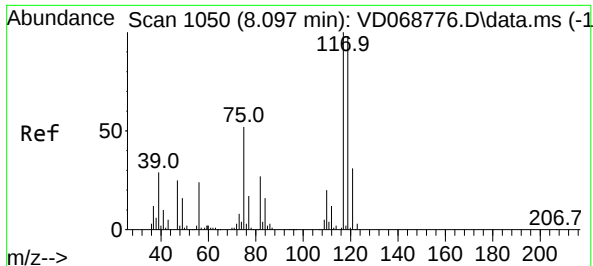
Delta R.T. -0.135 min

Lab File: VD068811.D

Acq: 09 Apr 2021 14:54

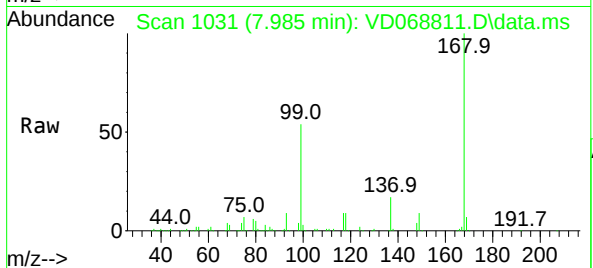
Tgt Ion:	75	Resp:	35030
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.4#
77	0.0	24.7	37.1#



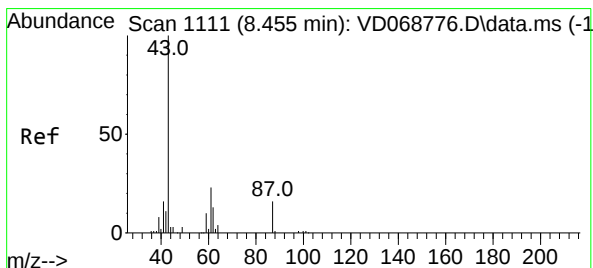
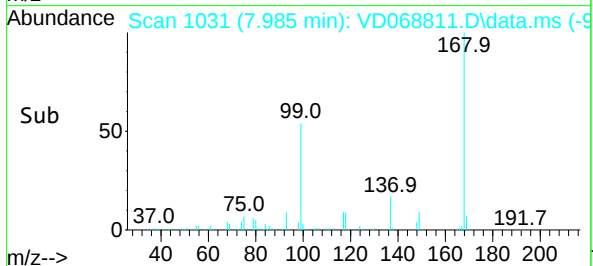
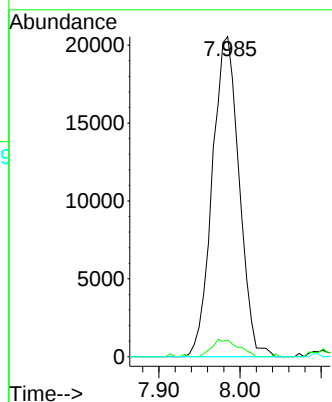


#38
Carbon Tetrachloride
Concen: 5.32 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Instrument :
MSVOA_D
ClientSampled :
S-21

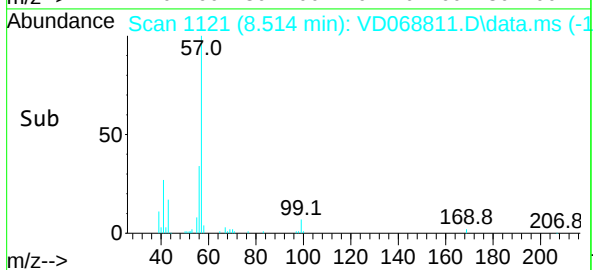
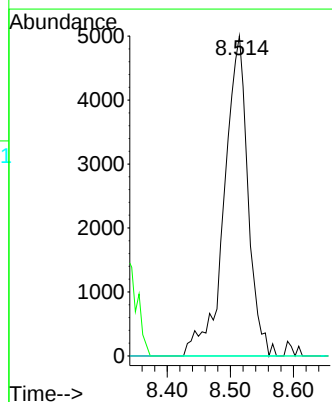
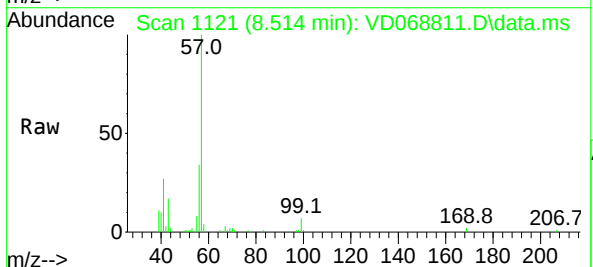


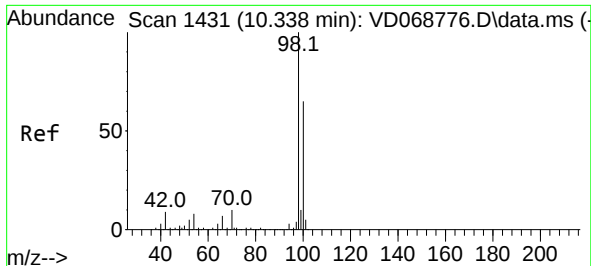
Tgt Ion: 117 Resp: 47243
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 26.1 39.1#



#43
Isopropyl Acetate
Concen: 2.43 ug/l
RT: 8.514 min Scan# 1121
Delta R.T. 0.059 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 43 Resp: 13041
Ion Ratio Lower Upper
43 100
61 0.0 29.5 44.3#
87 0.0 13.5 20.3#

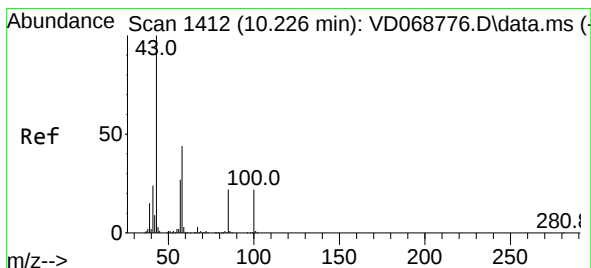
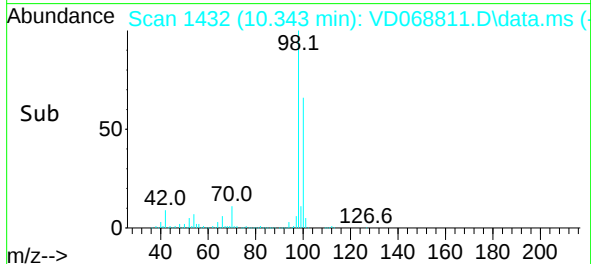
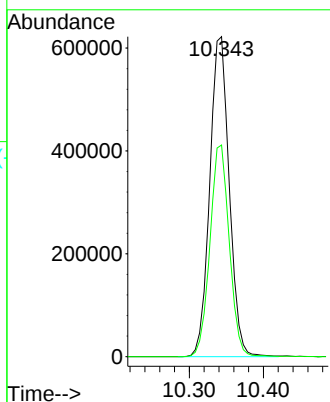
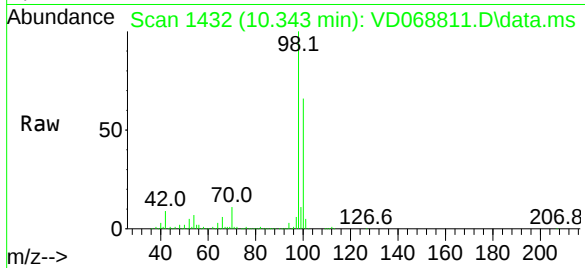




#50
Toluene-d8
Concen: 52.15 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.005 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

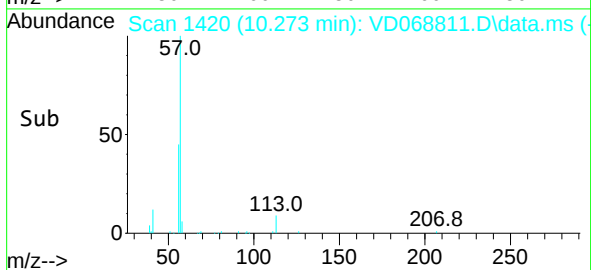
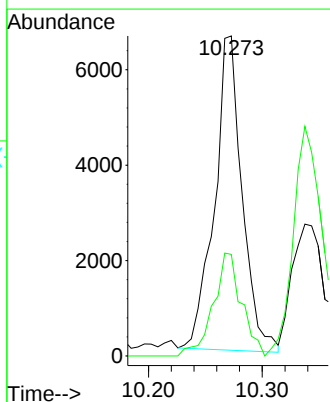
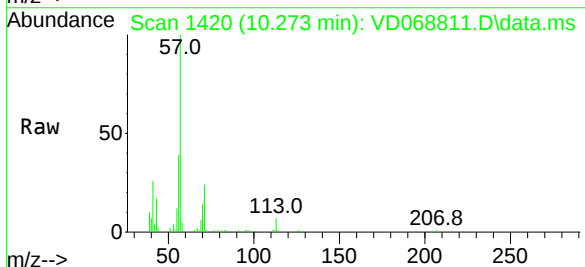
Instrument :
MSVOA_D
ClientSampleId :
S-21

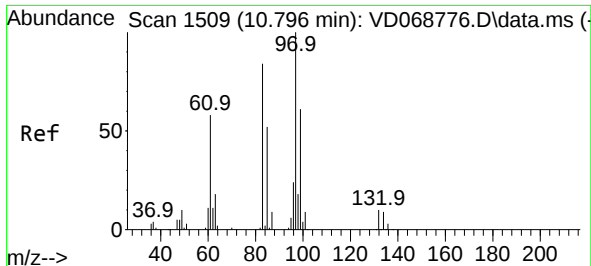
Tgt Ion: 98 Resp: 1134943
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.11 ug/l
RT: 10.273 min Scan# 1420
Delta R.T. 0.047 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 43 Resp: 11133
Ion Ratio Lower Upper
43 100
58 33.4 37.3 55.9#

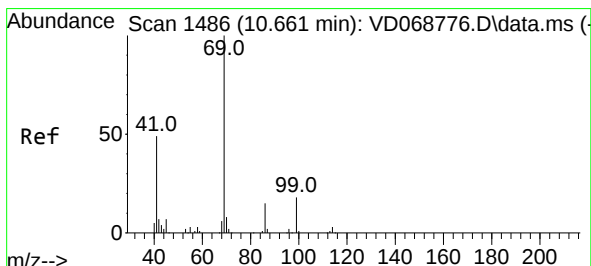
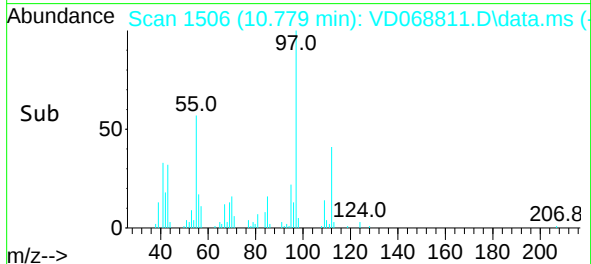
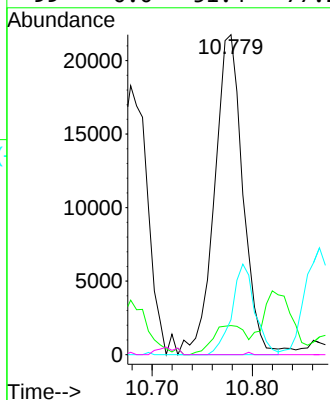
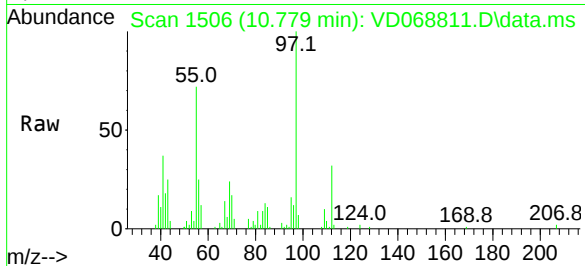




#55
1,1,2-Trichloroethane
Concen: 8.62 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.017 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

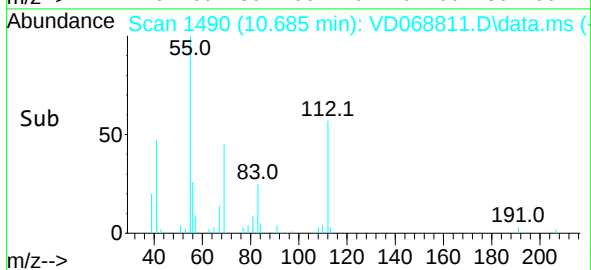
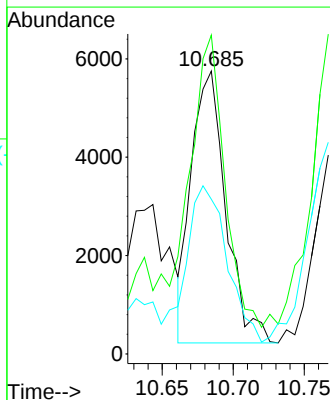
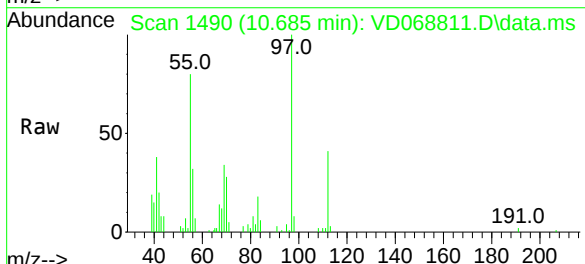
Instrument :
MSVOA_D
ClientSampled :
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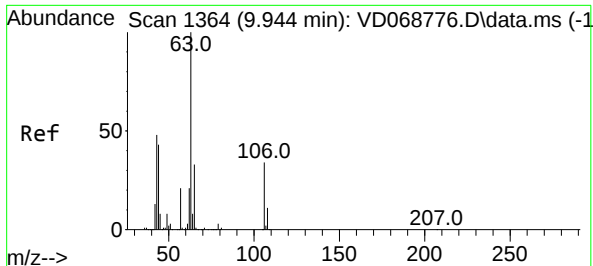
Tgt Ion:	97	Resp:	42625
Ion	Ratio	Lower	Upper
97	100		
83	7.1	65.7	98.5#
85	11.0	44.3	66.5#
99	0.0	51.4	77.2#



#56
Ethyl methacrylate
Concen: 1.83 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.024 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion:	69	Resp:	9335
Ion	Ratio	Lower	Upper
69	100		
41	104.6	42.2	63.4#
39	67.7	24.2	36.2#

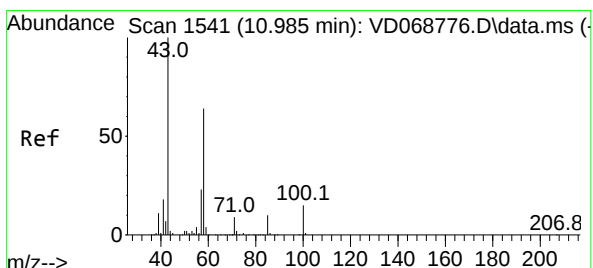
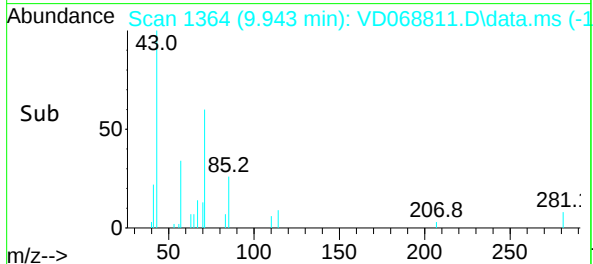
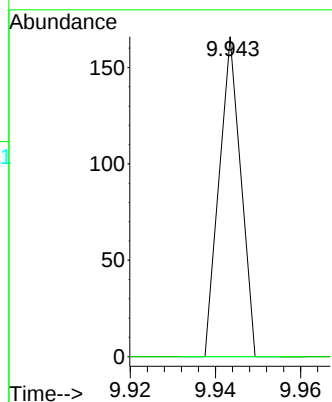
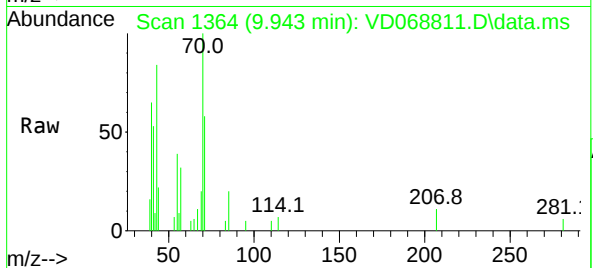




#58
2-Chloroethyl Vinyl ether
Concen: 17.01 ug/l
RT: 9.943 min Scan# 1364
Delta R.T. -0.001 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

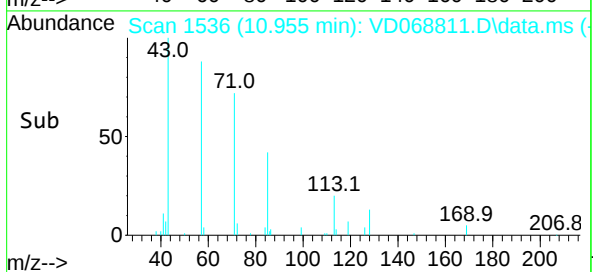
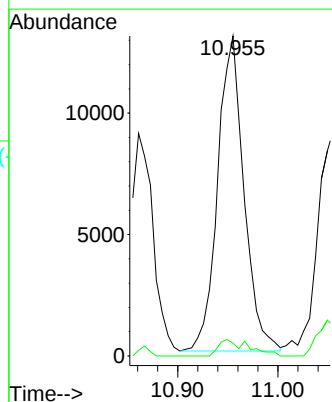
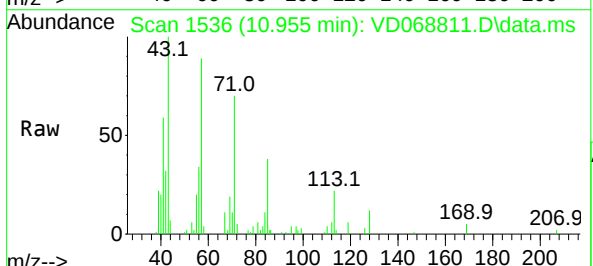
Instrument :
MSVOA_D
ClientSampled :
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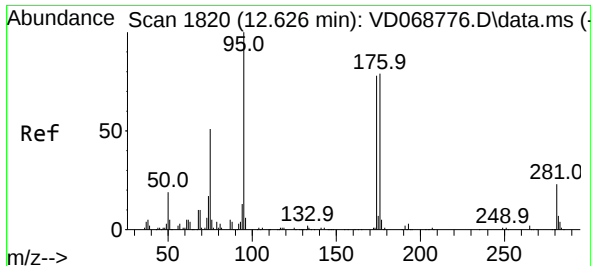
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 13.03 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 43 Resp: 23629
Ion Ratio Lower Upper
43 100
58 3.4 31.3 93.8#

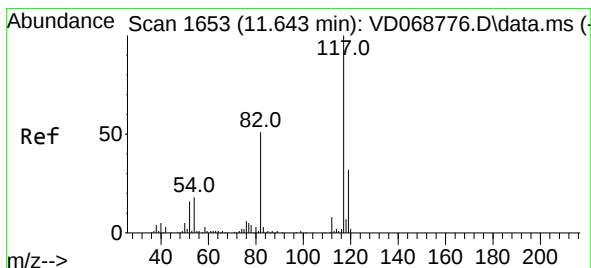
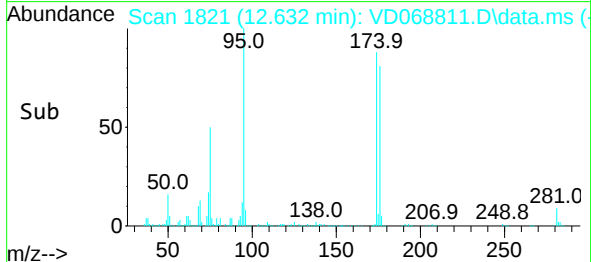
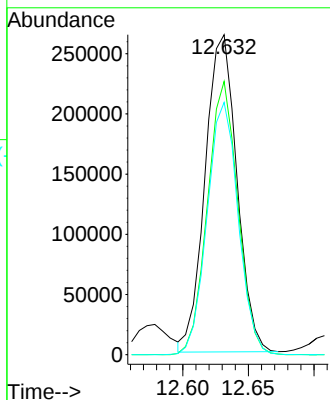
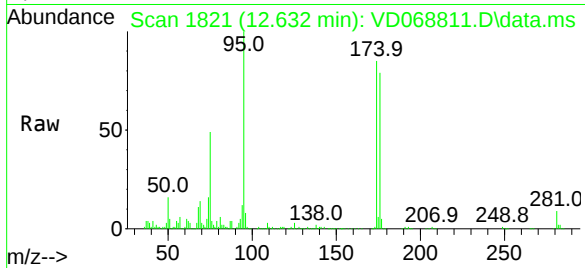




#62
4-Bromofluorobenzene
Concen: 61.39 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

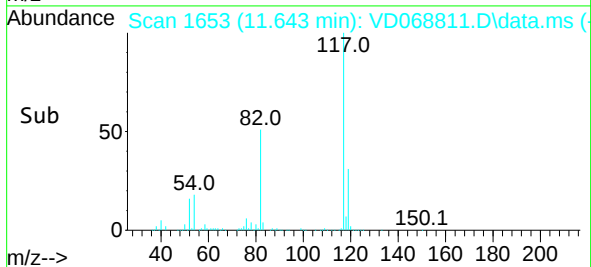
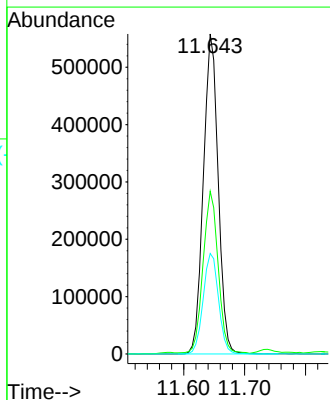
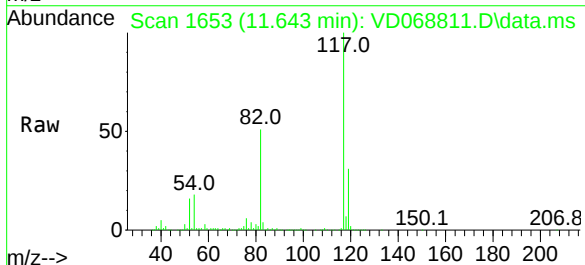
Instrument :
MSVOA_D
ClientSampleId :
S-21

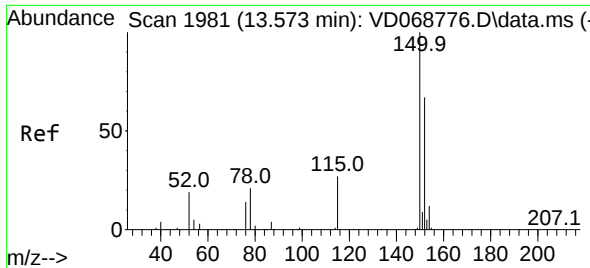
Tgt Ion: 95 Resp: 443723
Ion Ratio Lower Upper
95 100
174 82.5 0.0 168.0
176 77.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion:117 Resp: 942958
Ion Ratio Lower Upper
117 100
82 50.5 43.5 65.3
119 31.4 26.7 40.1

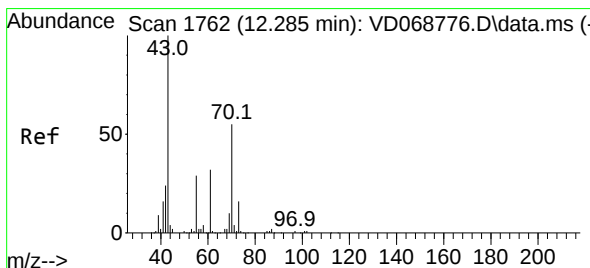
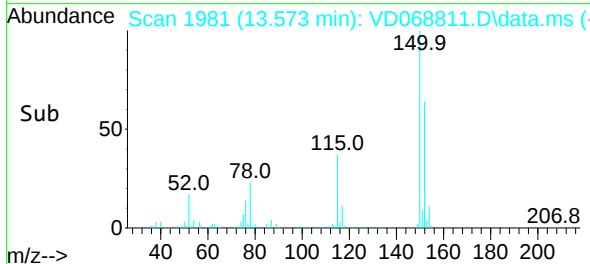
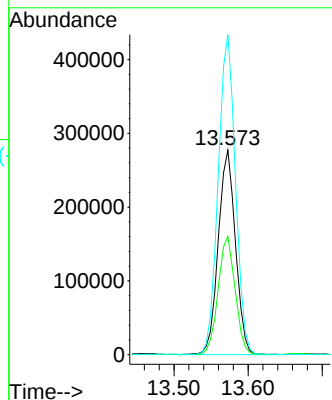
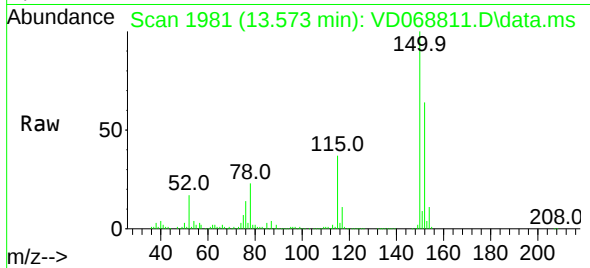




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

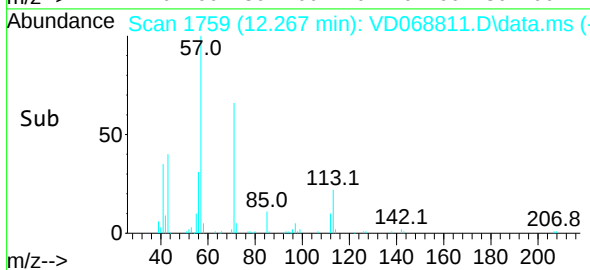
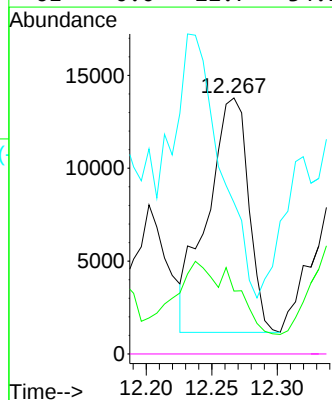
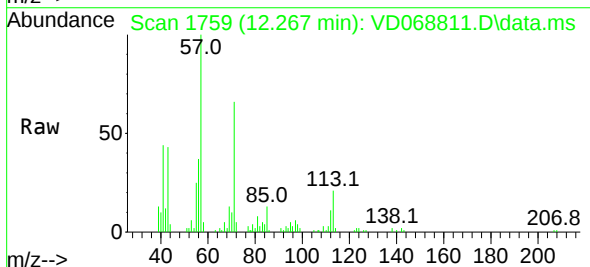
Instrument :
MSVOA_D
ClientSampleId :
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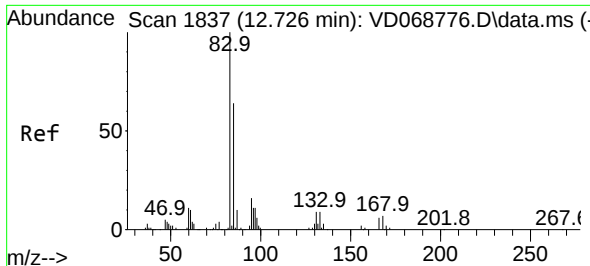
Tgt Ion:152 Resp: 448841
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.8
150 155.5 0.0 347.6



#74
N-ethyl acetate
Concen: 4.95 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 43 Resp: 27536
Ion Ratio Lower Upper
43 100
70 0.0 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

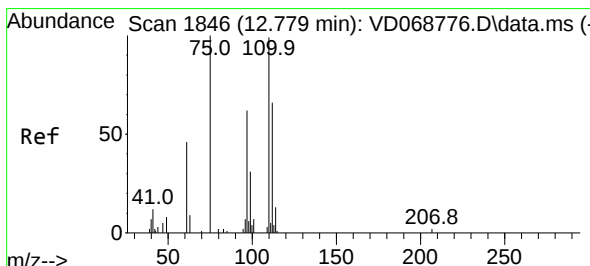
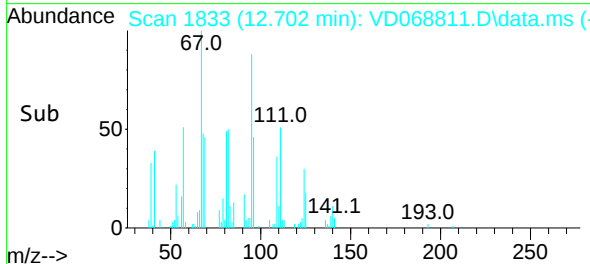
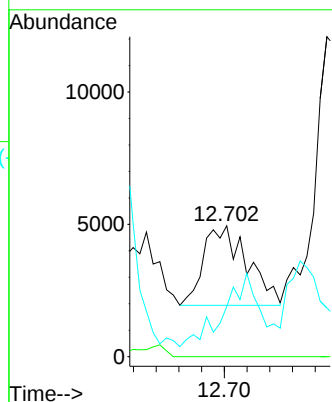
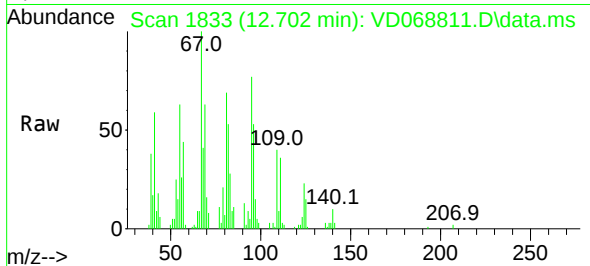




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.30 ug/l
 RT: 12.702 min Scan# 1833
 Delta R.T. -0.024 min
 Lab File: VD068811.D
 Acq: 09 Apr 2021 14:54

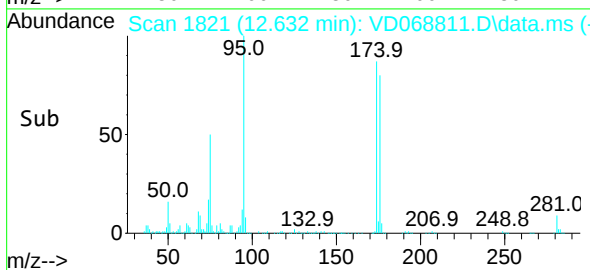
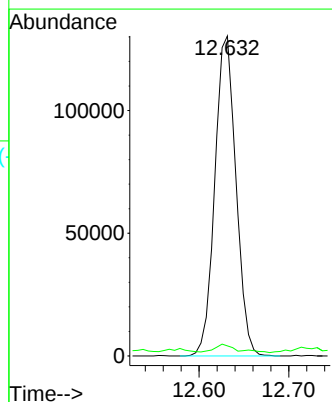
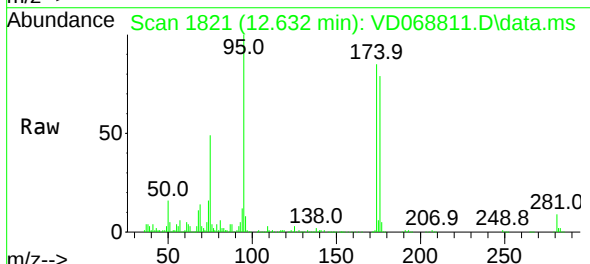
Instrument :
 MSVOA_D
 ClientSampleId :
 S-21

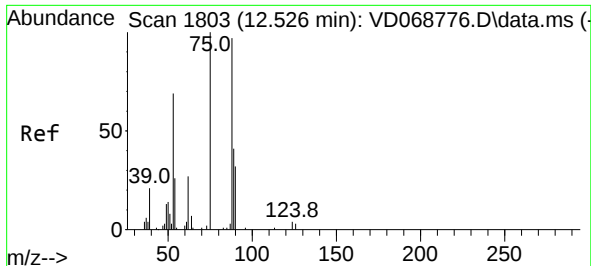
Tgt Ion: 83 Resp: 7984
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 70.5 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 52.02 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD068811.D
 Acq: 09 Apr 2021 14:54

Tgt Ion: 75 Resp: 213286
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

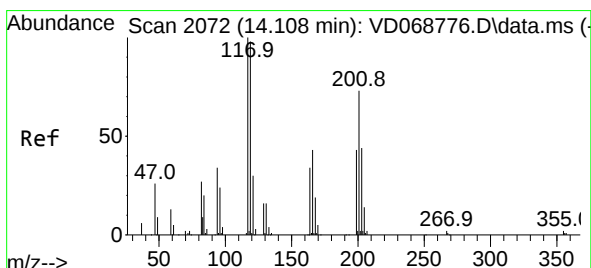
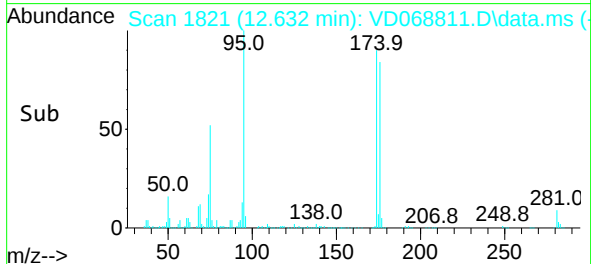
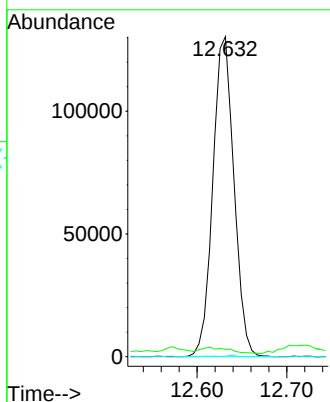
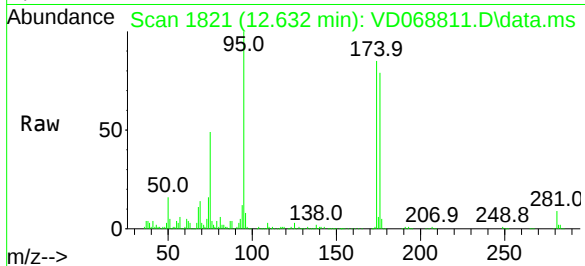




#81
trans-1,4-Dichloro-2-butene
Concen: 120.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Instrument :
MSVOA_D
ClientSampleId :
S-21

Tgt Ion: 75 Resp: 213286
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 36.6 54.8#



#90
Hexachloroethane
Concen: 3.00 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068811.D
Acq: 09 Apr 2021 14:54

Tgt Ion: 117 Resp: 17926
Ion Ratio Lower Upper
117 100
201 0.9 35.4 106.2#

