

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070186.D
 Acq On : 20 Aug 2021 01:50
 Operator : VA/SY
 Sample : M3418-22
 Misc : 3.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:50:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

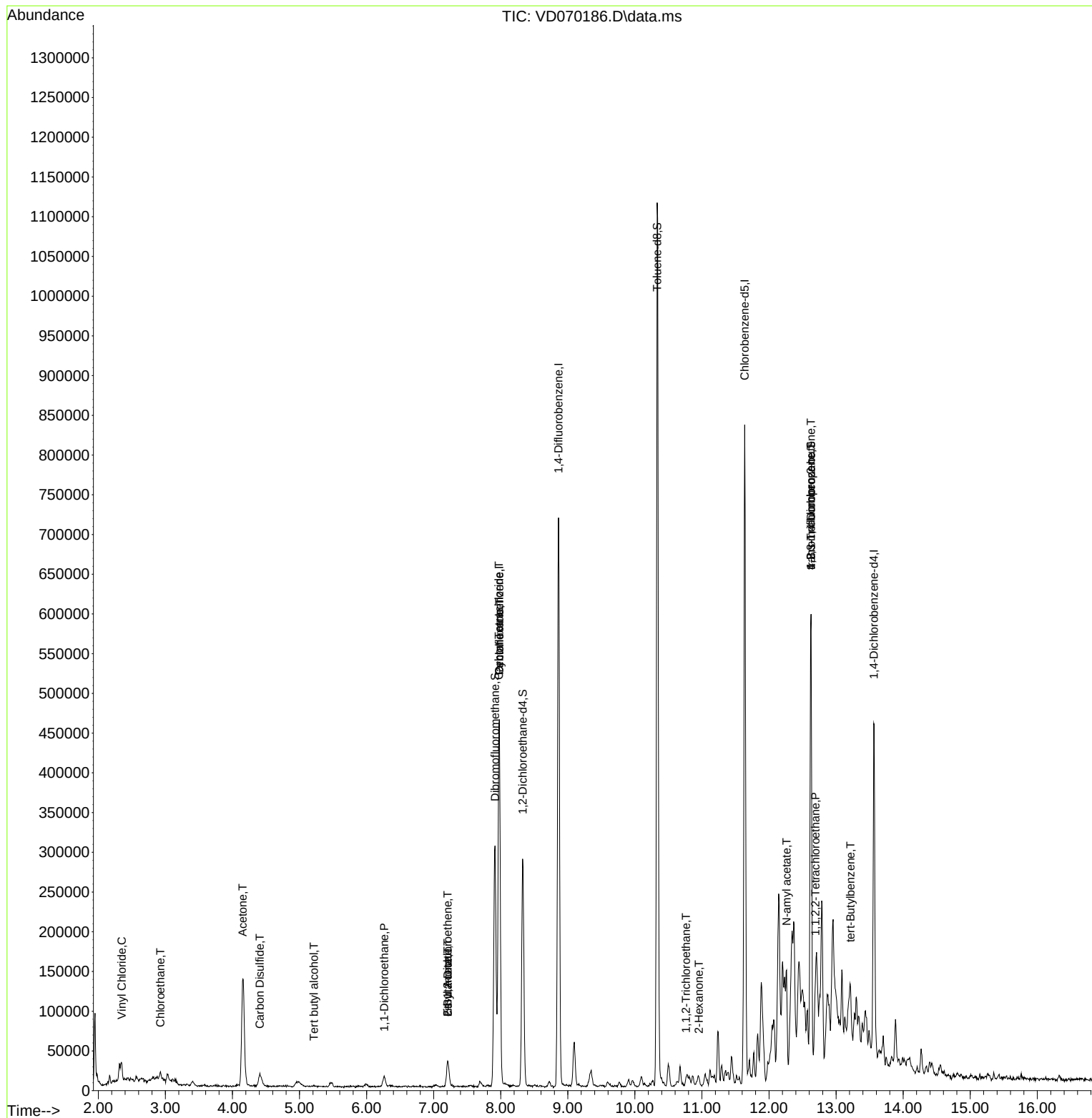
Internal Standards						
1) Pentafluorobenzene	7.979	168	332533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	618817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	473245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	116506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225540	57.666	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.340%
35) Dibromofluoromethane	7.914	113	223404	55.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.760%
50) Toluene-d8	10.332	98	747292	48.058	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.626	95	182610	35.654	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	925	Below Cal	#	42
3) Chloromethane	2.215	50	1715	Below Cal		90
4) Vinyl Chloride	2.350	62	9713	1.726	ug/l #	85
5) Bromomethane	2.773	94	2184	Below Cal	#	50
6) Chloroethane	2.926	64	9049	2.517	ug/l	90
11) Tert butyl alcohol	5.214	59	711	3.289	ug/l #	71
16) Acetone	4.150	43	238298	330.743	ug/l	99
17) Carbon Disulfide	4.409	76	29727	2.081	ug/l #	95
20) Methylene Chloride	4.956	84	2599	Below Cal	#	85
24) 1,1-Dichloroethane	6.261	63	18865	2.224	ug/l #	81
25) 2-Butanone	7.208	43	40171	40.803	ug/l #	83
27) cis-1,2-Dichloroethene	7.208	96	5097	1.046	ug/l	77
31) Cyclohexane	7.979	56	9711	1.254	ug/l #	1
37) Ethyl Acetate	7.208	43	40171	16.613	ug/l #	87
38) Carbon Tetrachloride	7.973	117	36124	5.977	ug/l #	15
55) 1,1,2-Trichloroethane	10.761	97	4719	1.367	ug/l #	21
59) 2-Hexanone	10.955	43	5721	3.639	ug/l #	23
74) N-amyl acetate	12.261	43	30909	16.874	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.691	83	7298	4.305	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	87017	73.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	87017	191.162	ug/l #	19
83) tert-Butylbenzene	13.214	119	17125	2.913	ug/l	90

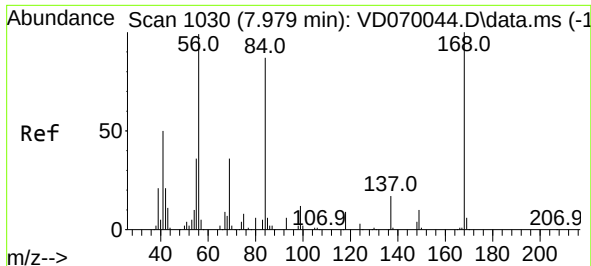
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

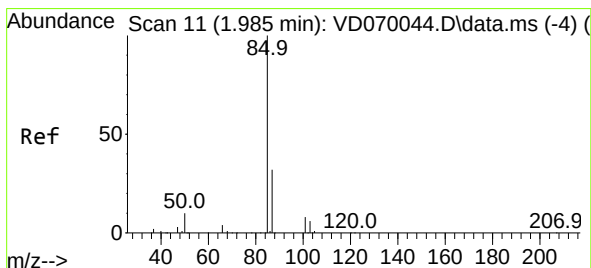
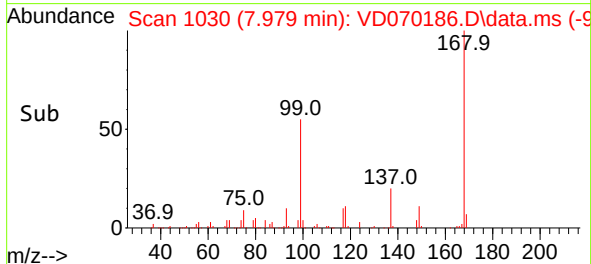
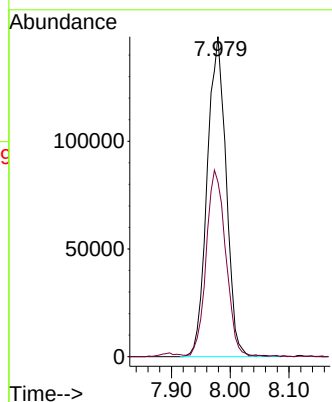
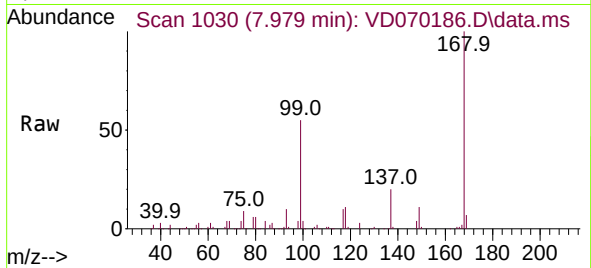




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

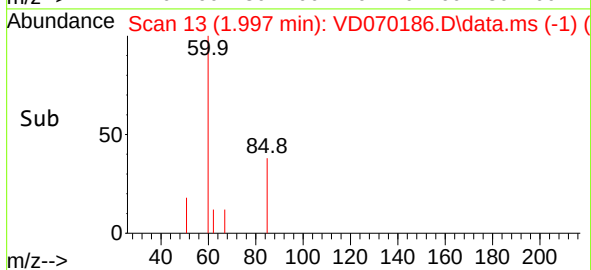
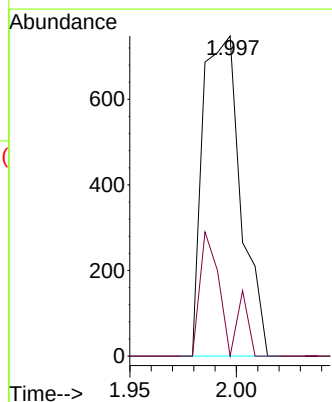
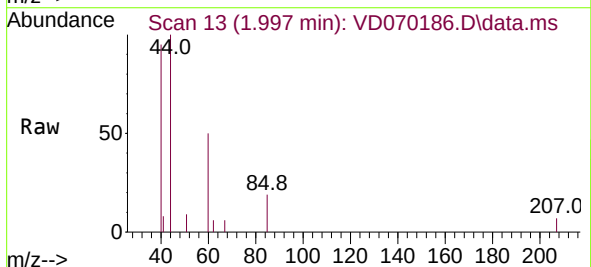
Instrument :
MSVOA_D
ClientSampled :

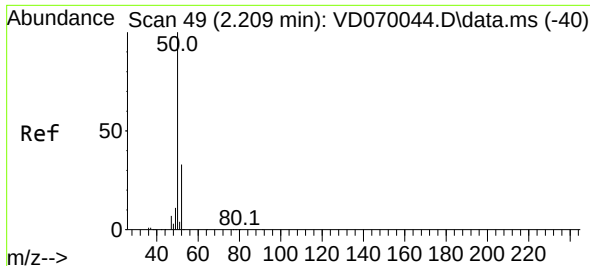
Tgt Ion:168 Resp: 332533
Ion Ratio Lower Upper
168 100
99 54.5 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 85 Resp: 925
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

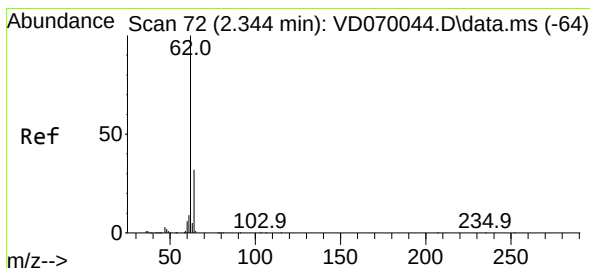
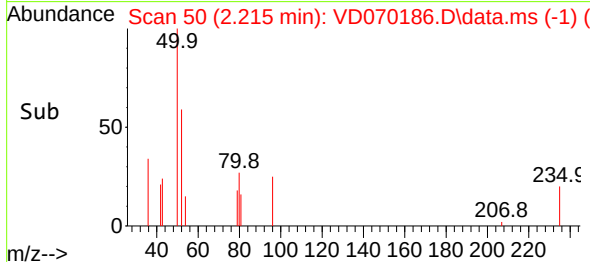
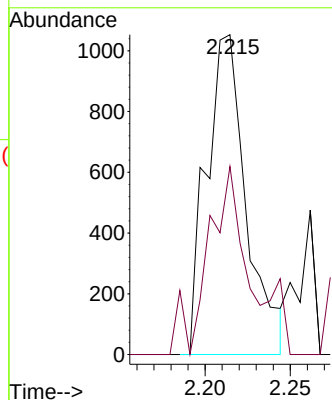
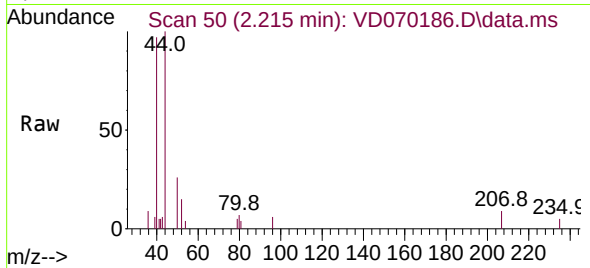




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

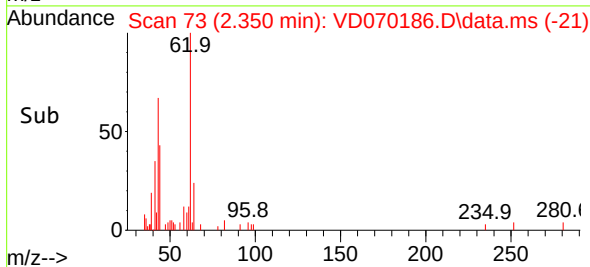
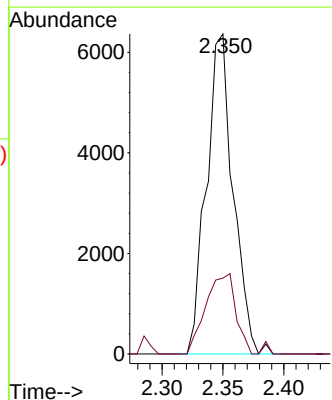
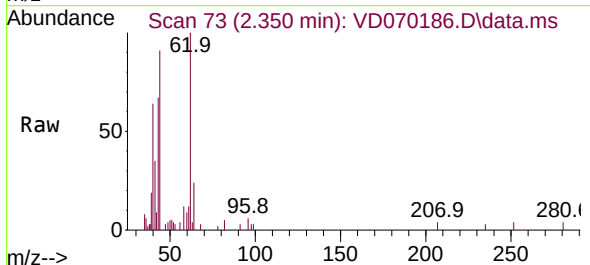
Instrument :
MSVOA_D
ClientSampleId :

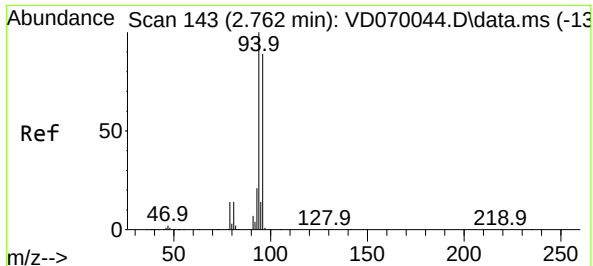
Tgt Ion: 50 Resp: 1715
Ion Ratio Lower Upper
50 100
52 38.7 26.3 39.5



#4
Vinyl Chloride
Concen: 1.726 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 62 Resp: 9713
Ion Ratio Lower Upper
62 100
64 23.7 25.7 38.5#

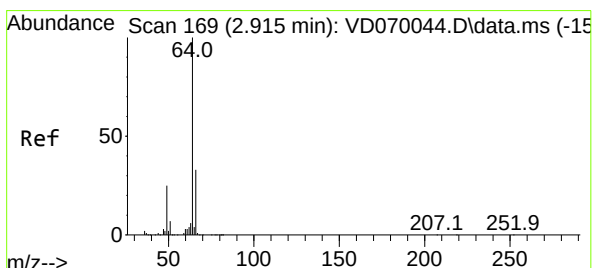
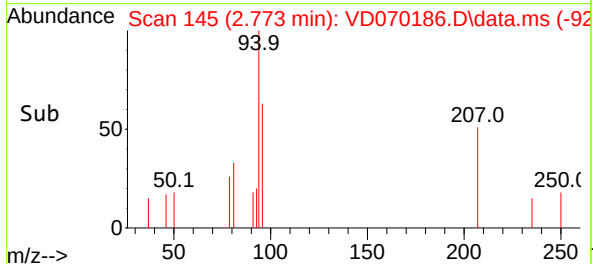
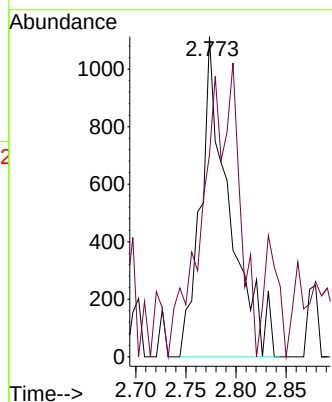
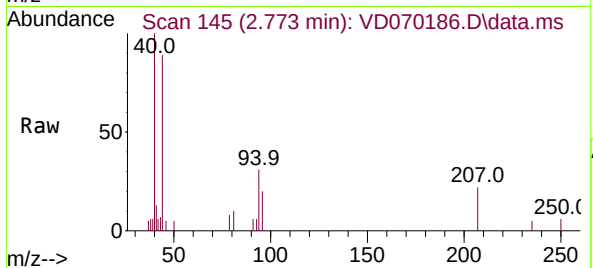




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

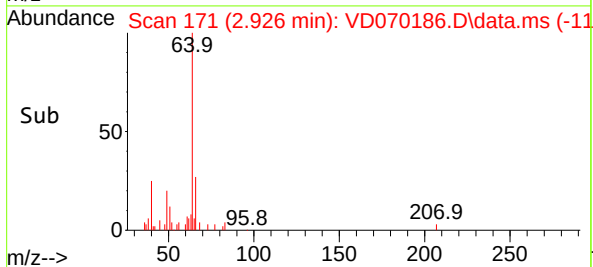
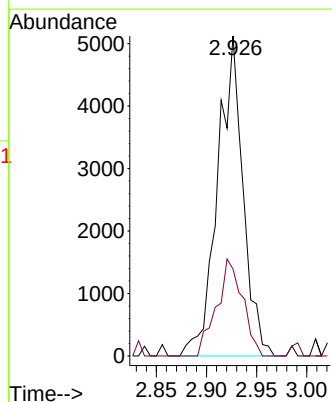
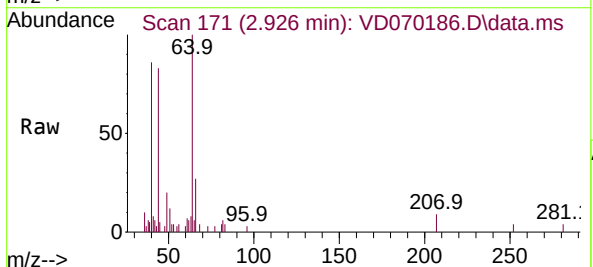
Instrument :
MSVOA_D
ClientSampleId :

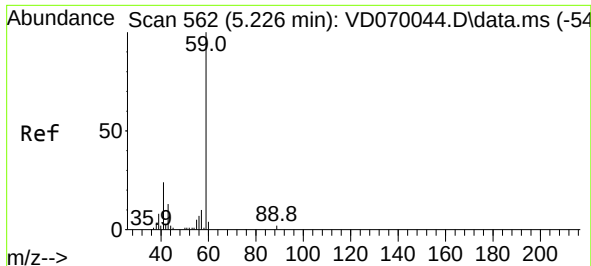
Tgt Ion: 94 Resp: 2184
Ion Ratio Lower Upper
94 100
96 41.6 70.9 106.3#



#6
Chloroethane
Concen: 2.517 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.012 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 64 Resp: 9049
Ion Ratio Lower Upper
64 100
66 27.2 26.0 39.0



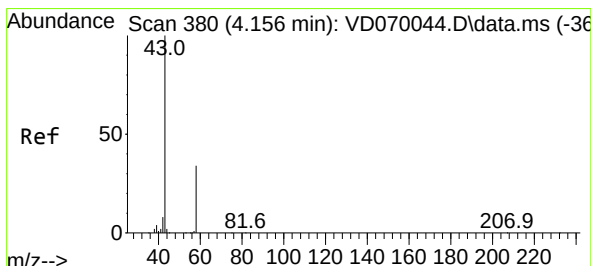
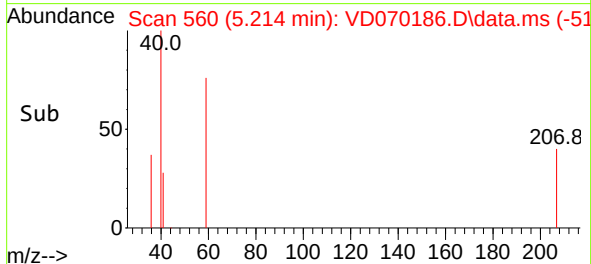
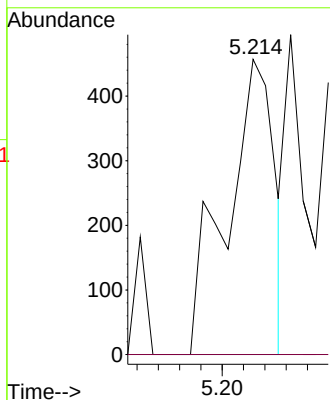
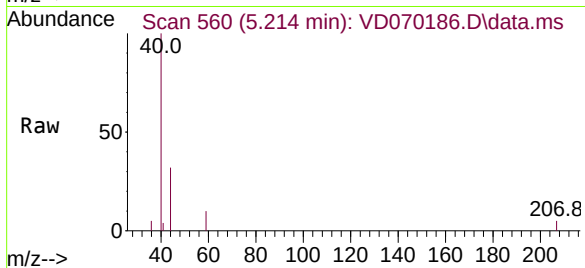


#11

Tert butyl alcohol
Concen: 3.289 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Instrument :
MSVOA_D
ClientSampled :

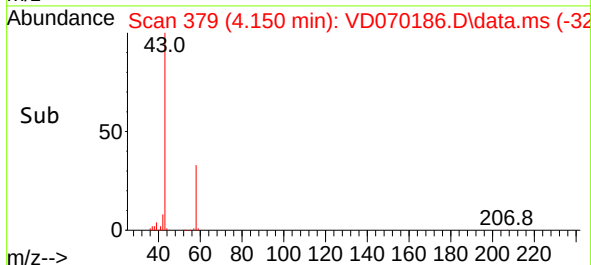
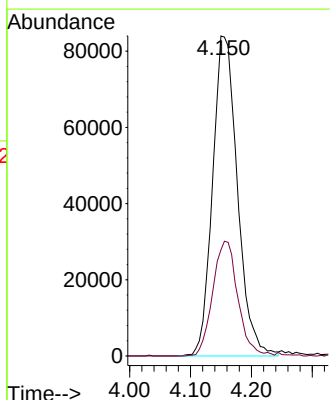
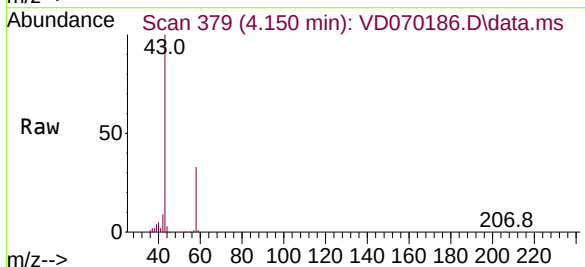
Tgt Ion: 59 Resp: 711
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

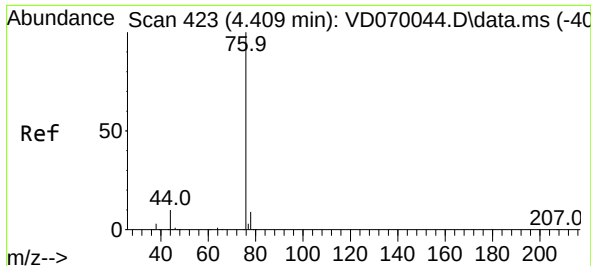


#16

Acetone
Concen: 330.743 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 43 Resp: 238298
Ion Ratio Lower Upper
43 100
58 33.1 26.8 40.2

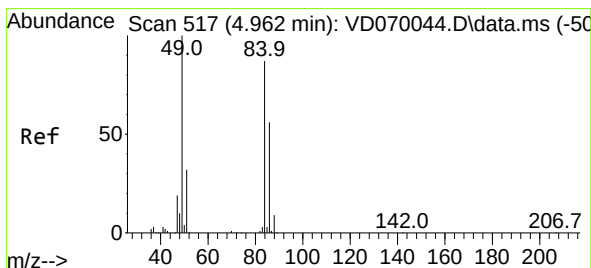
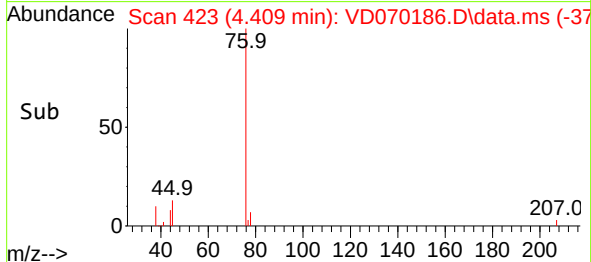
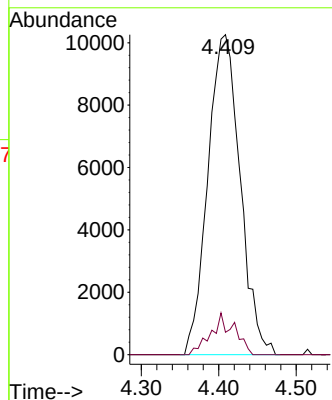
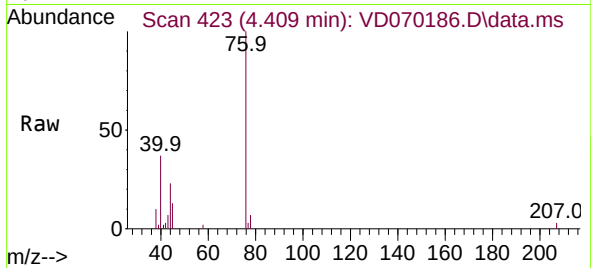




#17
Carbon Disulfide
Concen: 2.081 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

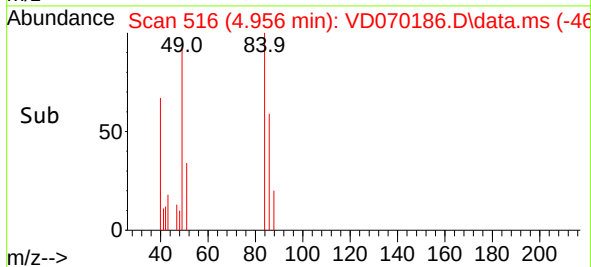
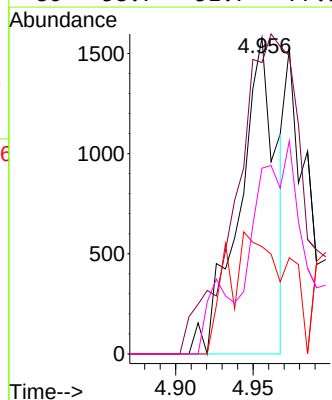
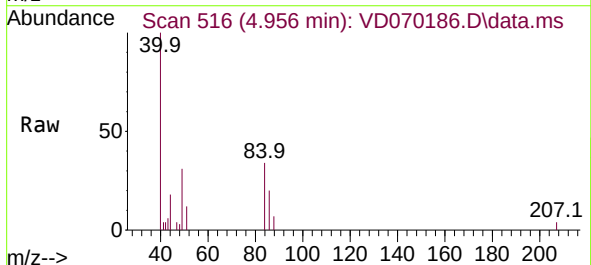
Instrument :
MSVOA_D
ClientSampled :

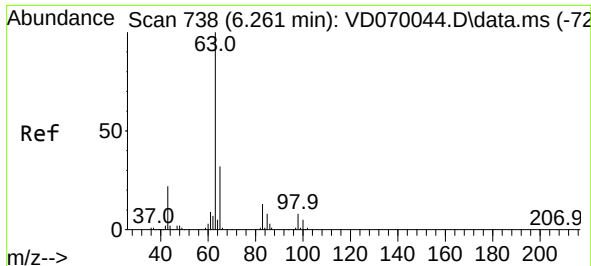
Tgt Ion: 76 Resp: 29727
Ion Ratio Lower Upper
76 100
78 7.0 7.1 10.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

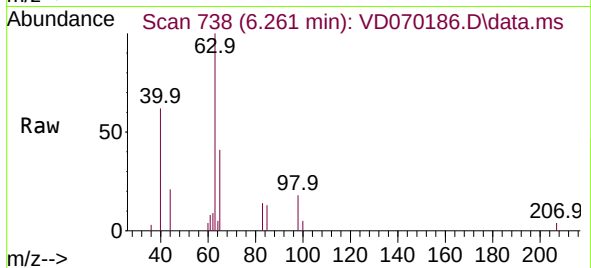
Tgt Ion: 84 Resp: 2599
Ion Ratio Lower Upper
84 100
49 92.1 92.5 138.7#
51 33.9 29.7 44.5
86 58.7 51.7 77.5



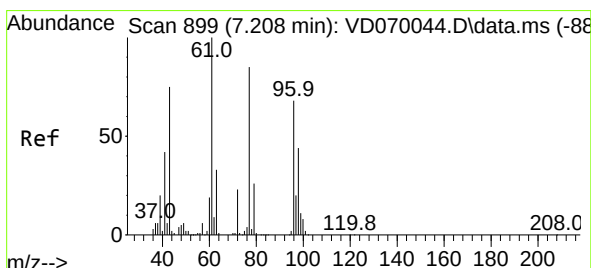
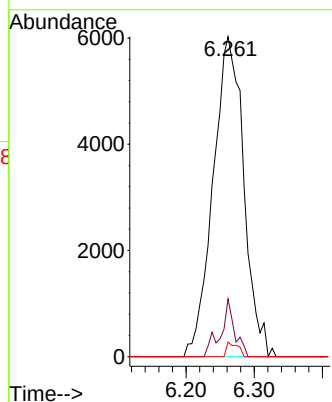
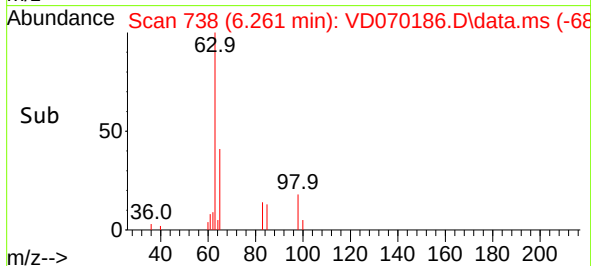


#24
1,1-Dichloroethane
Concen: 2.224 ug/l
RT: 6.261 min Scan# 738
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

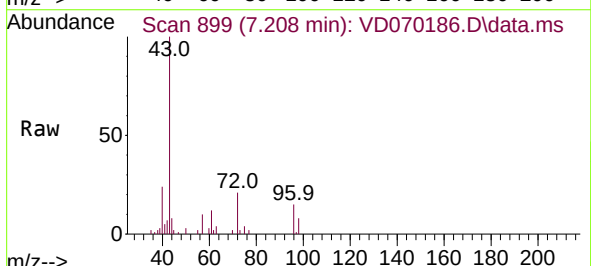
Instrument :
MSVOA_D
ClientSampled :



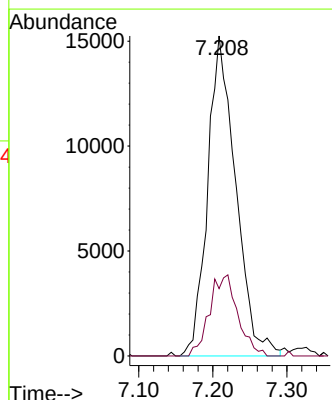
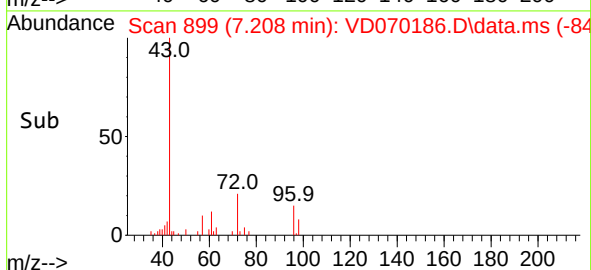
Tgt Ion: 63 Resp: 18865
Ion Ratio Lower Upper
63 100
98 18.1 3.8 11.2#
100 4.6 2.3 6.9

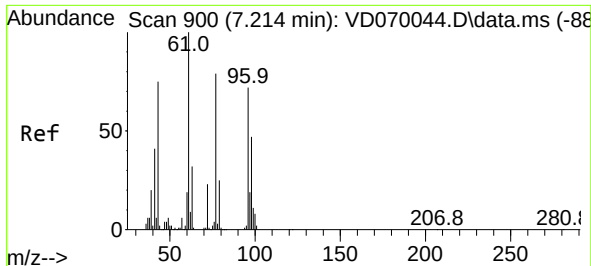


#25
2-Butanone
Concen: 40.803 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50



Tgt Ion: 43 Resp: 40171
Ion Ratio Lower Upper
43 100
72 21.0 24.2 36.4#





#27

cis-1,2-Dichloroethene

Concen: 1.046 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.006 min

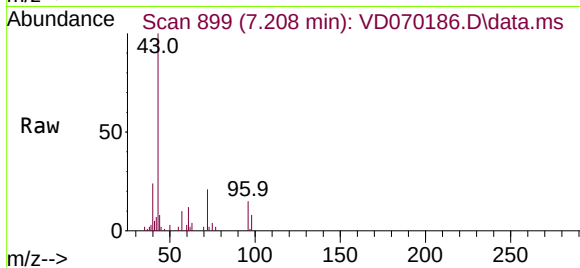
Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

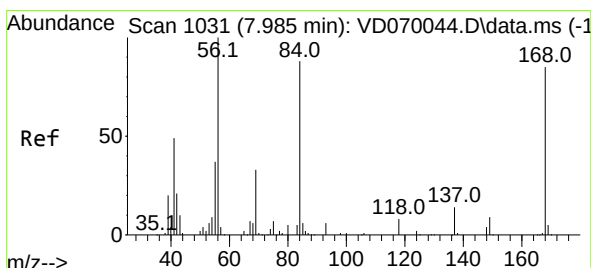
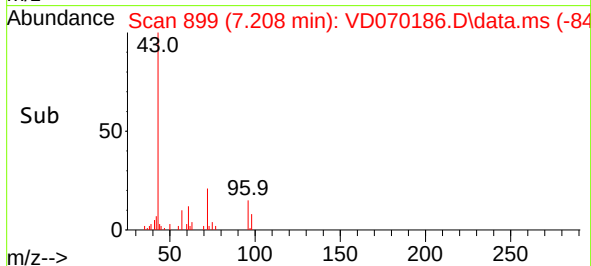
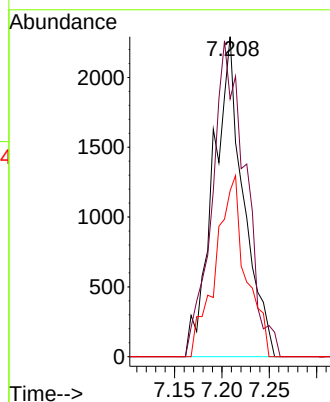
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	96	Resp:	5097
Ion	Ratio	Lower	Upper
96	100		
61	109.0	0.0	288.2
98	56.6	0.0	129.6



#31

Cyclohexane

Concen: 1.254 ug/l

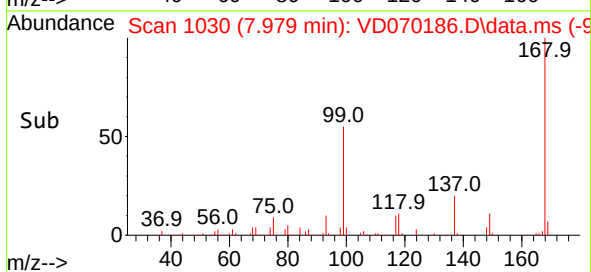
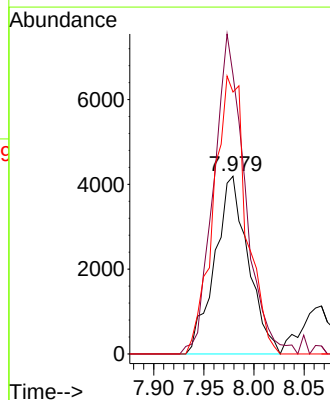
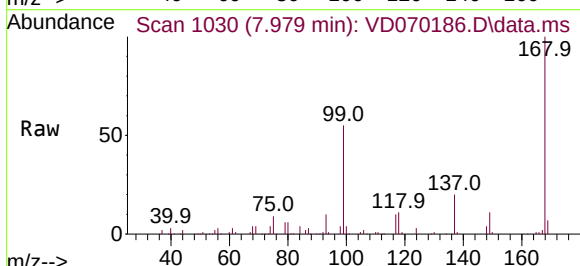
RT: 7.979 min Scan# 1030

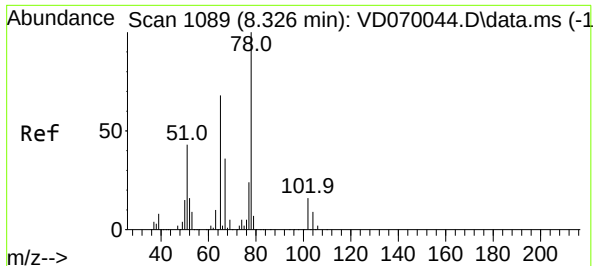
Delta R.T. -0.006 min

Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

Tgt Ion:	56	Resp:	9711
Ion	Ratio	Lower	Upper
56	100		
69	157.0	26.7	40.1#
84	147.3	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 57.666 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

Instrument :

MSVOA_D

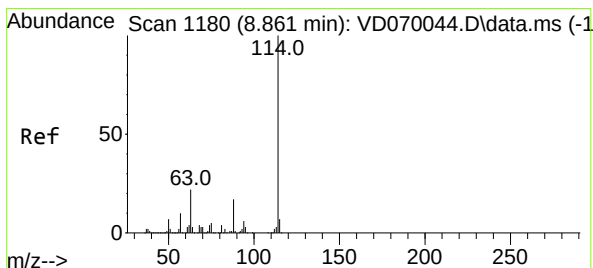
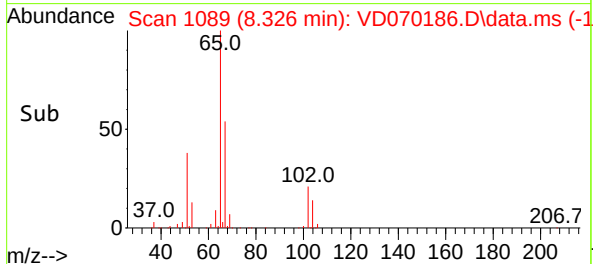
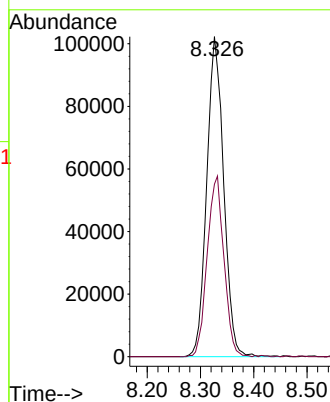
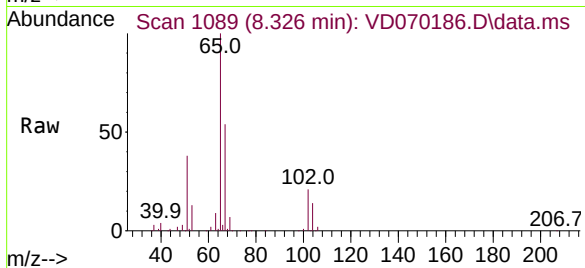
ClientSampleId :

Tgt Ion: 65 Resp: 225540

Ion Ratio Lower Upper

65 100

67 55.8 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

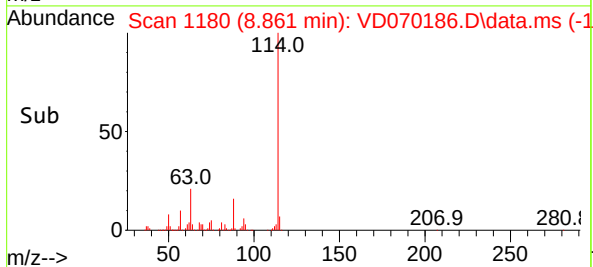
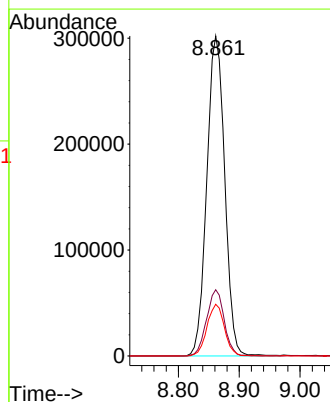
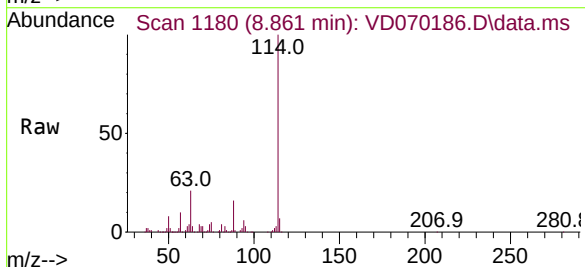
Tgt Ion: 114 Resp: 618817

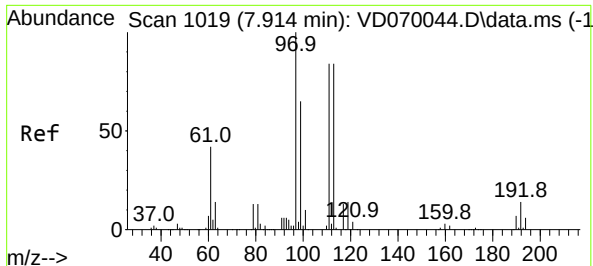
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.6

88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.879 ug/l

RT: 7.914 min Scan# 1019

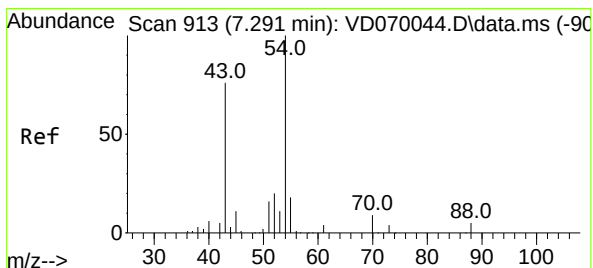
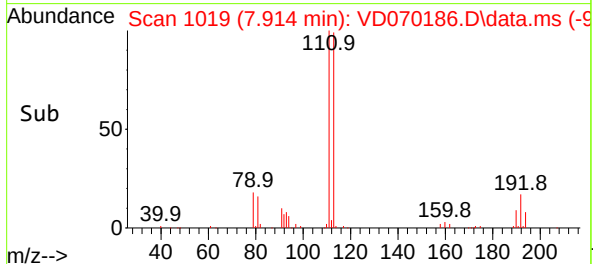
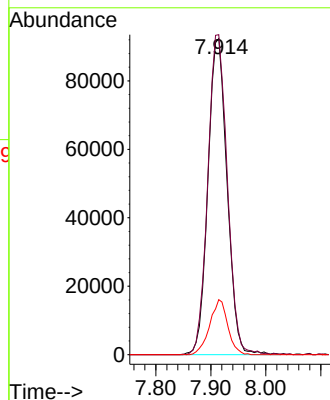
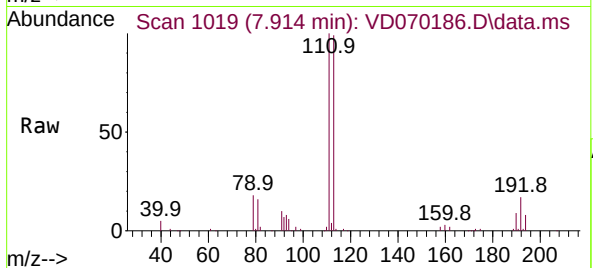
Delta R.T. 0.000 min

Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

Tgt Ion:	113	Resp:	223404
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	16.5	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :



#37

Ethyl Acetate

Concen: 16.613 ug/l

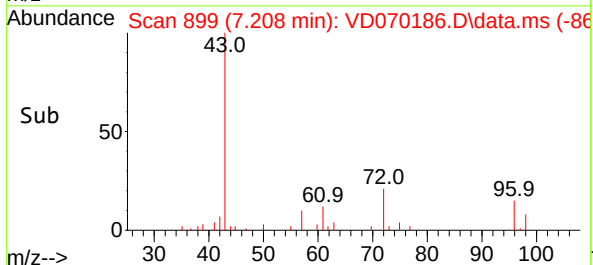
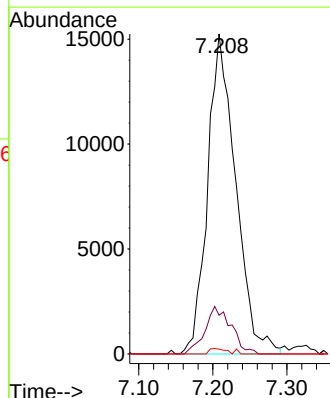
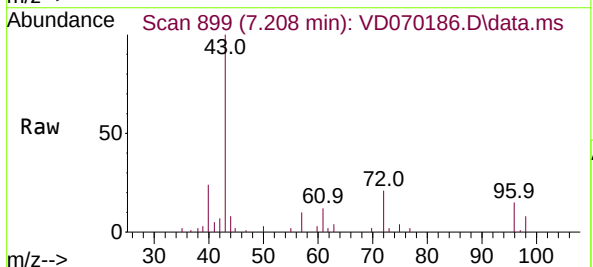
RT: 7.208 min Scan# 899

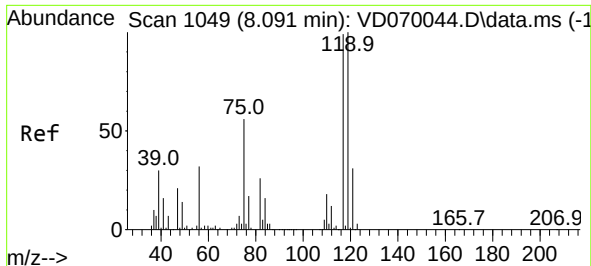
Delta R.T. -0.082 min

Lab File: VD070186.D

Acq: 20 Aug 2021 01:50

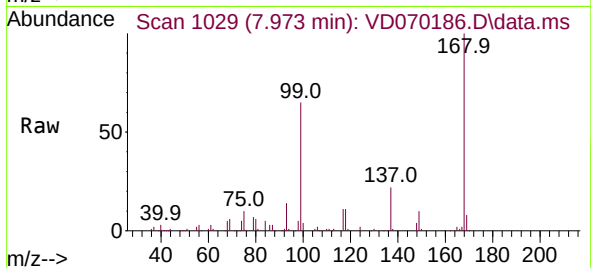
Tgt Ion:	43	Resp:	40171
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	0.9	9.0	13.6#



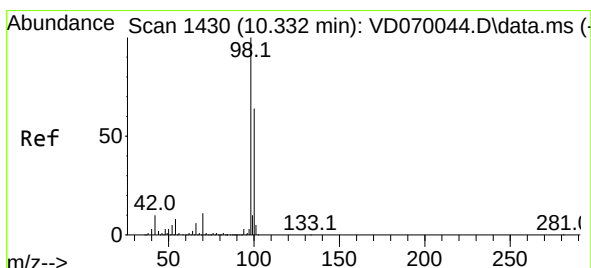
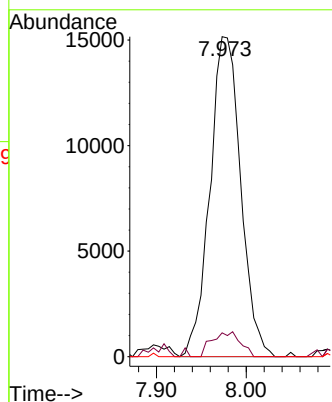
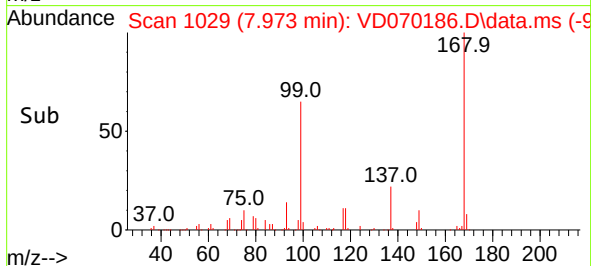


#38
Carbon Tetrachloride
Concen: 5.977 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

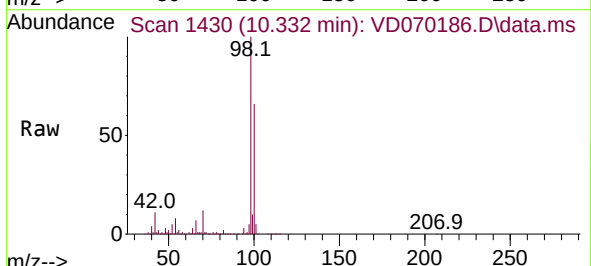
Instrument :
MSVOA_D
ClientSampled :



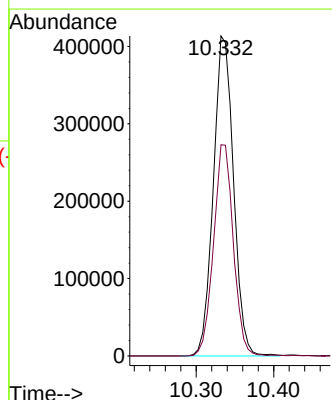
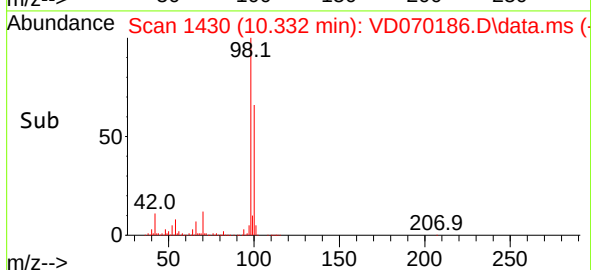
Tgt Ion:117 Resp: 36124
Ion Ratio Lower Upper
117 100
119 7.5 81.0 121.6#
121 0.0 25.0 37.6#

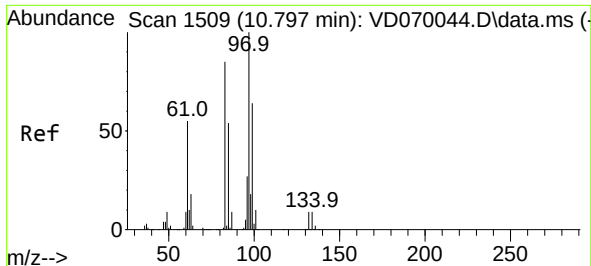


#50
Toluene-d8
Concen: 48.058 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50



Tgt Ion: 98 Resp: 747292
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

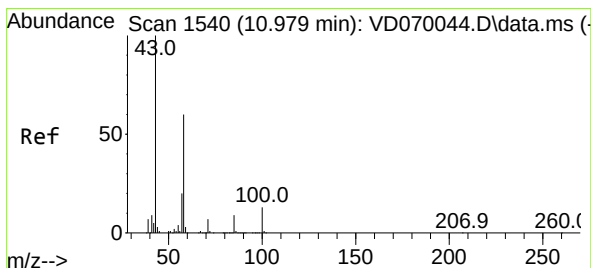
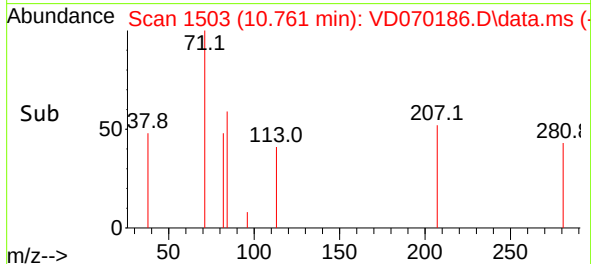
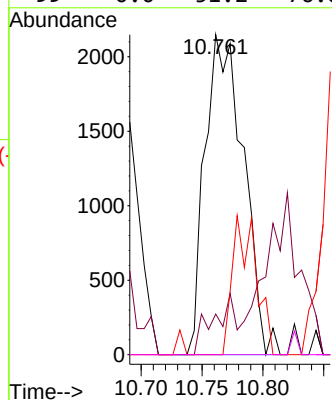
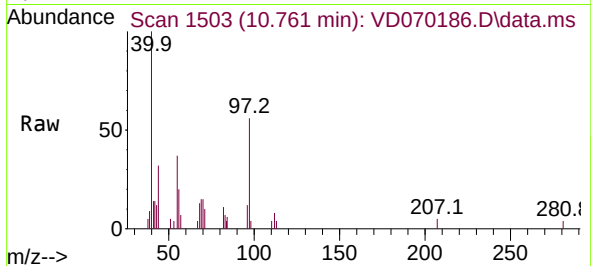




#55
1,1,2-Trichloroethane
Concen: 1.367 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.035 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

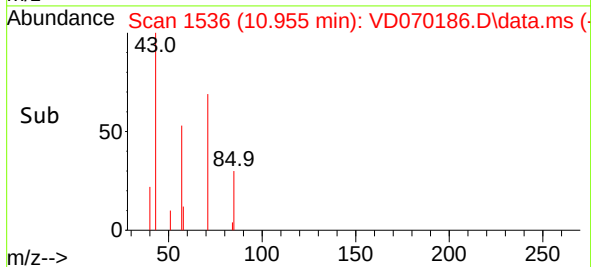
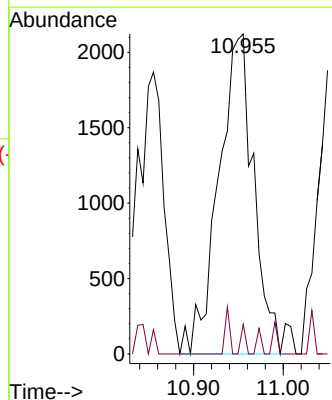
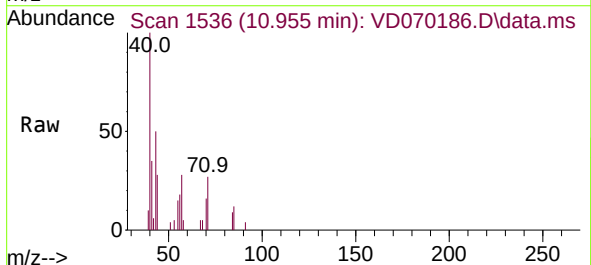
Instrument :
MSVOA_D
ClientSampleId :

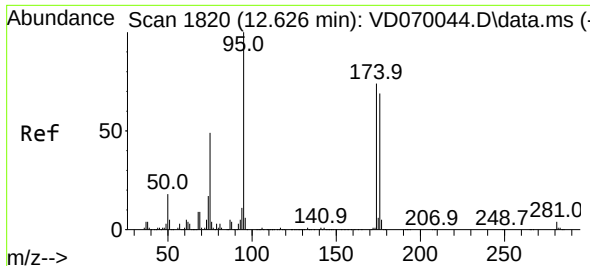
Tgt Ion:	97	Resp:	4719
Ion	Ratio	Lower	Upper
97	100		
83	12.7	67.8	101.6#
85	0.0	43.4	65.0#
99	0.0	51.2	76.8#



#59
2-Hexanone
Concen: 3.639 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion:	43	Resp:	5721
Ion	Ratio	Lower	Upper
43	100		
58	1.2	29.5	88.5#

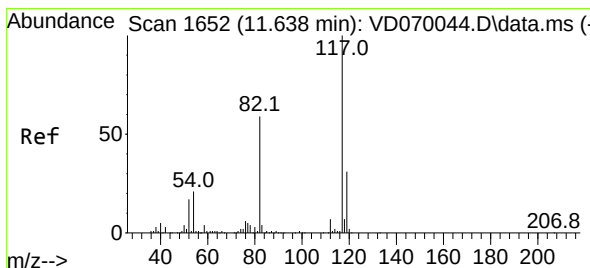
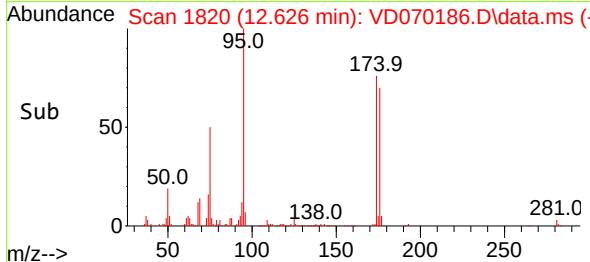
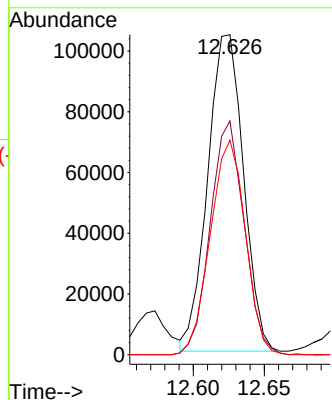
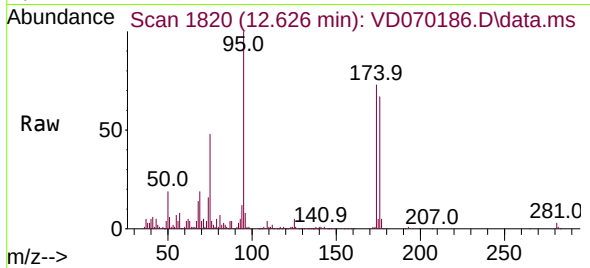




#62
4-Bromofluorobenzene
Concen: 35.654 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

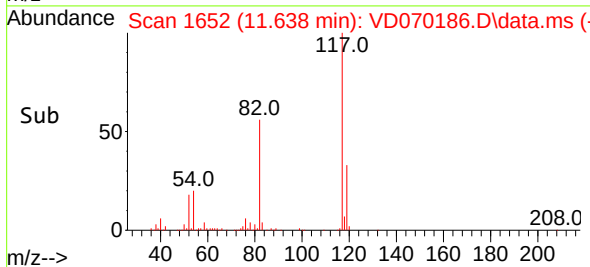
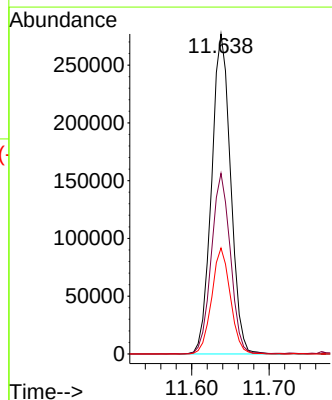
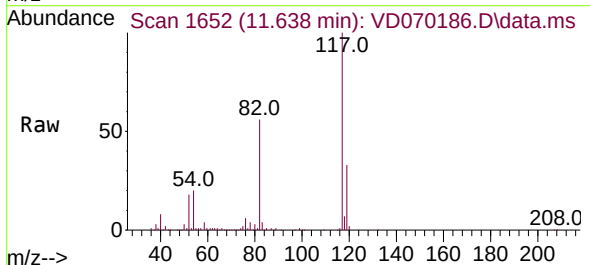
Instrument :
MSVOA_D
ClientSampled :

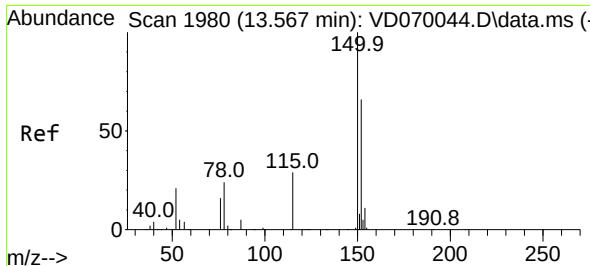
Tgt Ion: 95 Resp: 182610
Ion Ratio Lower Upper
95 100
174 69.9 0.0 141.6
176 66.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 117 Resp: 473245
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 33.1 25.1 37.7

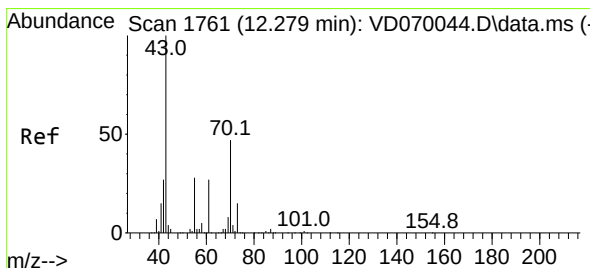
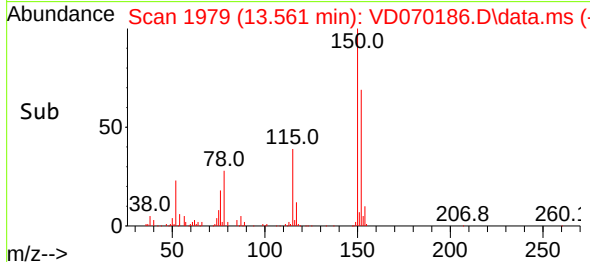
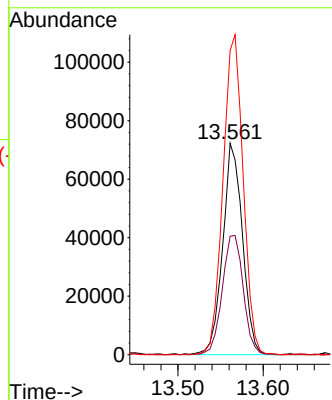
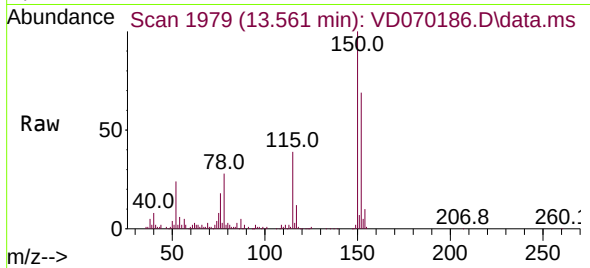




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

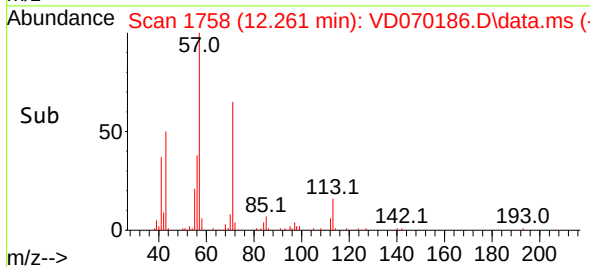
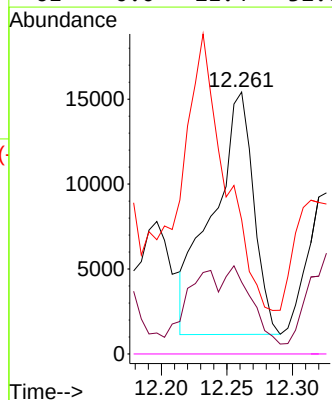
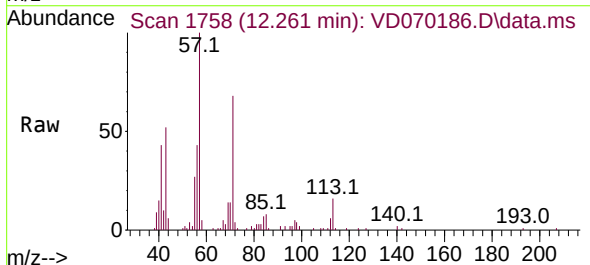
Instrument :
MSVOA_D
ClientSampleId :

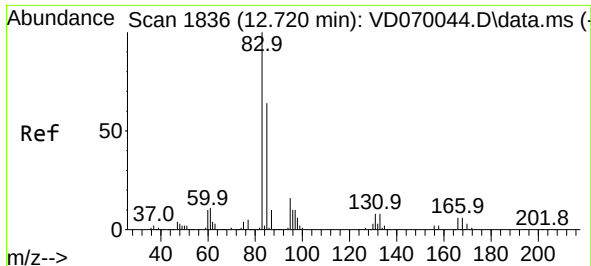
Tgt Ion:152 Resp: 116506
Ion Ratio Lower Upper
152 100
115 60.0 31.2 93.6
150 154.0 0.0 352.0



#74
N-ethyl acetate
Concen: 16.874 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 43 Resp: 30909
Ion Ratio Lower Upper
43 100
70 0.0 37.2 55.8#
55 0.0 22.9 34.3#
61 0.0 21.4 32.0#

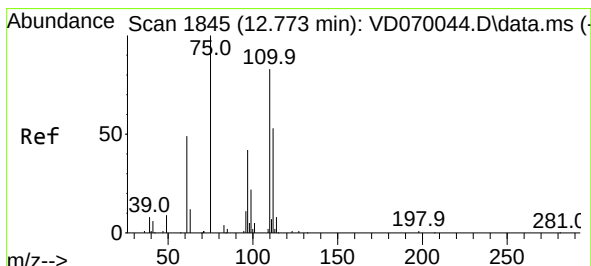
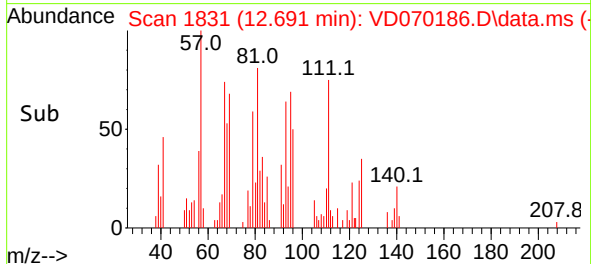
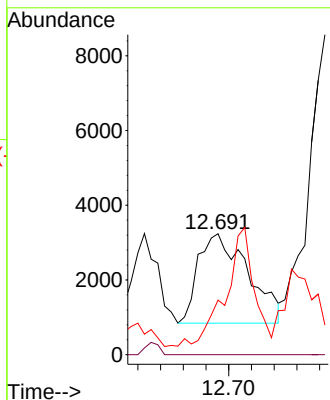
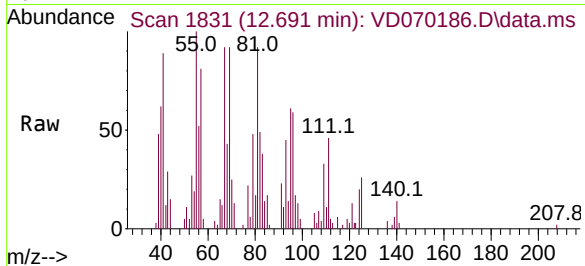




#75
1,1,2,2-Tetrachloroethane
Concen: 4.305 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

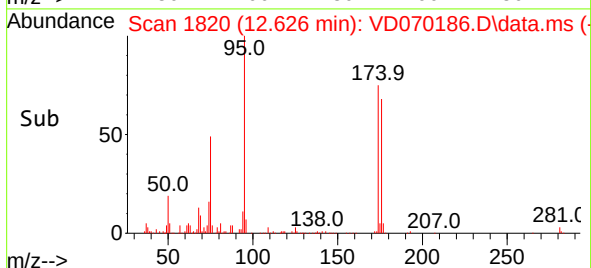
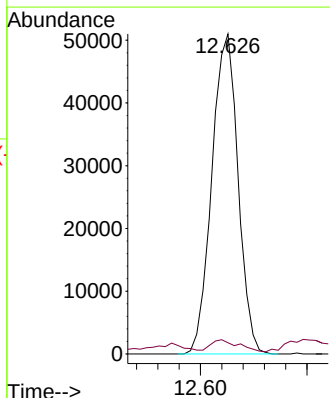
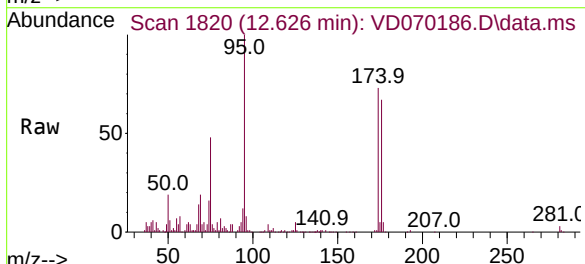
Instrument :
MSVOA_D
ClientSampled :

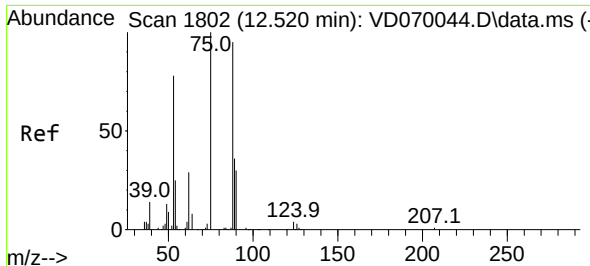
Tgt Ion: 83 Resp: 7298
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.7#
85 0.0 31.9 95.5#



#76
1,2,3-Trichloropropane
Concen: 73.648 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 75 Resp: 87017
Ion Ratio Lower Upper
75 100
77 4.0 182.4 547.2#

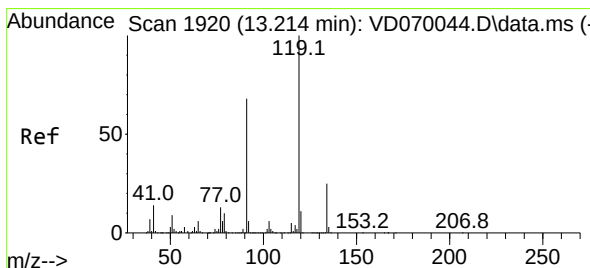
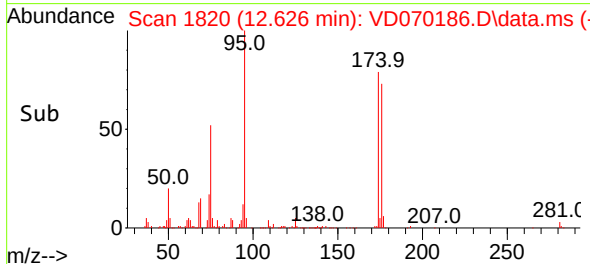
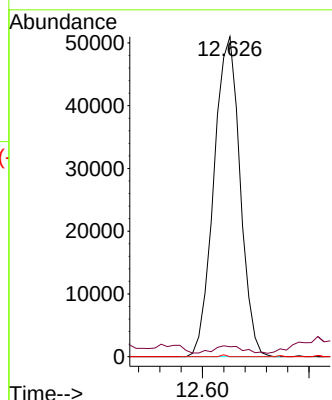
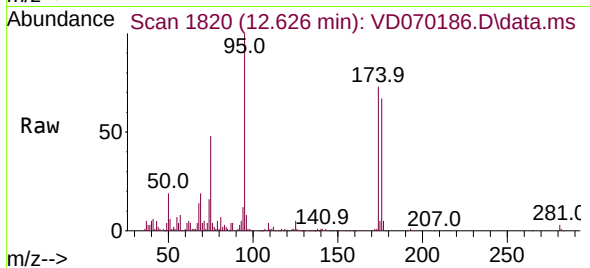




#81
trans-1,4-Dichloro-2-butene
Concen: 191.162 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 87017
Ion Ratio Lower Upper
75 100
53 2.6 64.5 96.7#
89 0.1 33.7 50.5#



#83
tert-Butylbenzene
Concen: 2.913 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD070186.D
Acq: 20 Aug 2021 01:50

Tgt Ion: 119 Resp: 17125
Ion Ratio Lower Upper
119 100
91 77.1 34.0 101.8
134 22.8 13.2 39.6

