

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069592.D
 Acq On : 06 Jul 2021 20:02
 Operator : VA/SY
 Sample : M2926-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 07 04:55:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

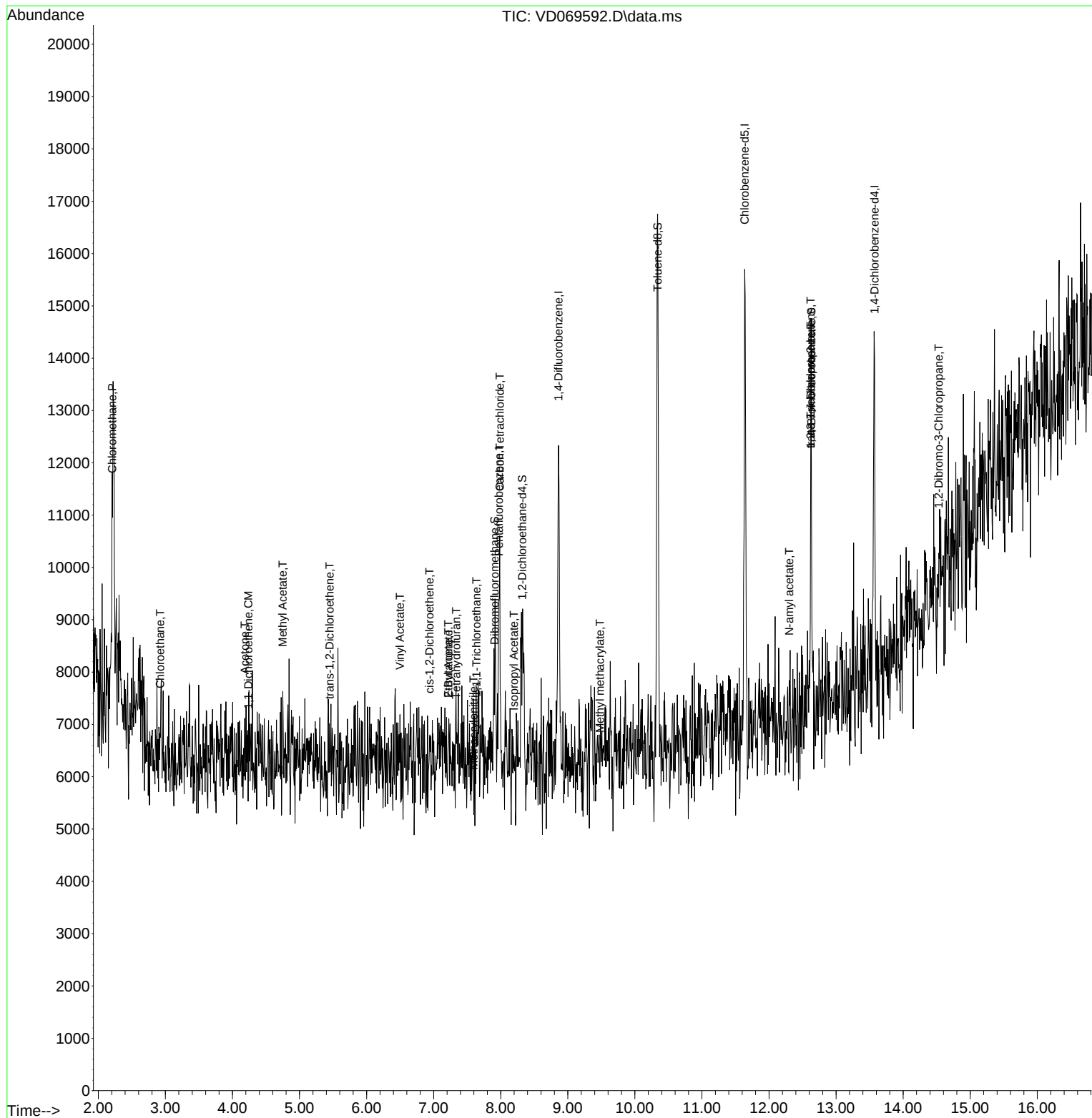
Internal Standards						
1) Pentafluorobenzene	7.973	168	3035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	6092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	5530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	1515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	1500	39.650	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.300%
35) Dibromofluoromethane	7.909	113	1918	46.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.160%
50) Toluene-d8	10.338	98	7038	45.563	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.120%
62) 4-Bromofluorobenzene	12.632	95	2199	43.303	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.600%
Target Compounds						Qvalue
3) Chloromethane	2.209	50	174	4.086	ug/l #	42
6) Chloroethane	2.921	64	192	6.072	ug/l #	43
12) 1,1-Dichloroethene	4.238	96	74	2.469	ug/l #	1
16) Acetone	4.185	43	194	30.467	ug/l #	41
18) Methyl Acetate	4.750	43	60	1.109	ug/l #	49
20) Methylene Chloride	4.950	84	57	Below Cal	#	62
21) trans-1,2-Dichloroethene	5.450	96	54	1.493	ug/l #	1
23) Vinyl Acetate	6.497	43	65	20.126	ug/l #	70
25) 2-Butanone	7.220	43	70	8.651	ug/l #	44
27) cis-1,2-Dichloroethene	6.938	96	60	1.527	ug/l #	1
29) Tetrahydrofuran	7.338	42	86	19.387	ug/l #	31
32) 1,1,1-Trichloroethane	7.638	97	63	1.078	ug/l #	23
37) Ethyl Acetate	7.220	43	70	3.155	ug/l #	67
38) Carbon Tetrachloride	7.985	117	76	1.284	ug/l #	13
41) Methacrylonitrile	7.597	41	59	4.570	ug/l #	16
43) Isopropyl Acetate	8.197	43	68	1.687	ug/l #	47
48) Methyl methacrylate	9.479	41	57	2.977	ug/l #	8
74) N-amyl acetate	12.302	43	82	3.869	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	1072	72.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	1072	179.982	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.532	75	120	37.722	ug/l #	4

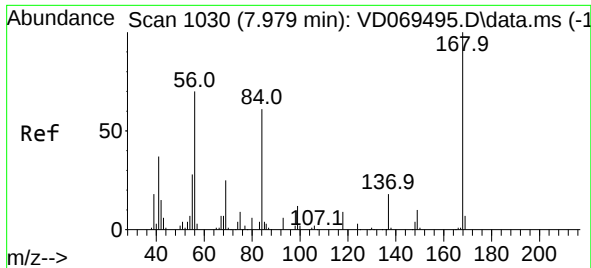
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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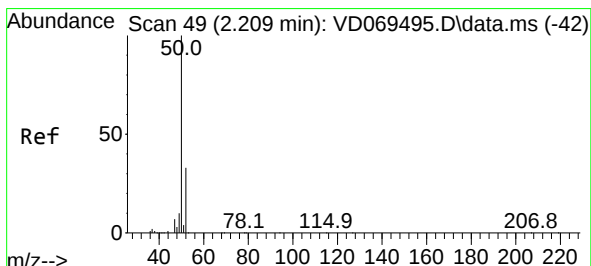
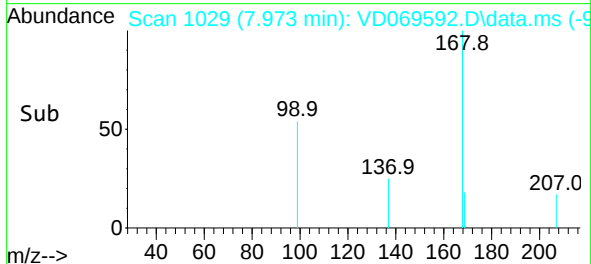
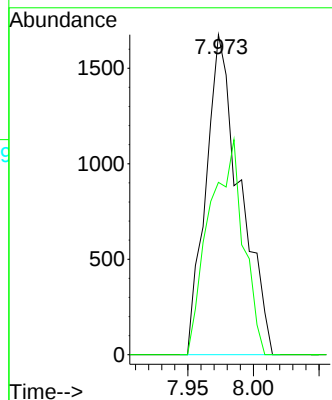
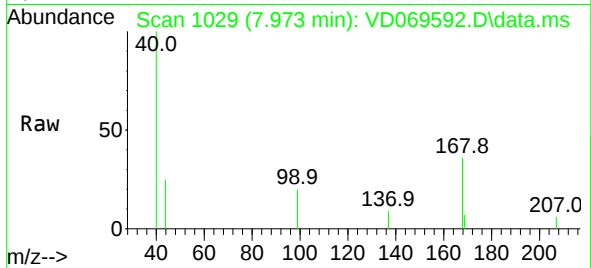




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

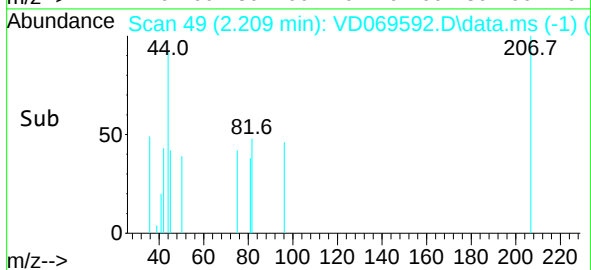
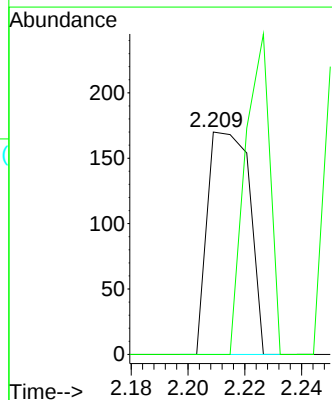
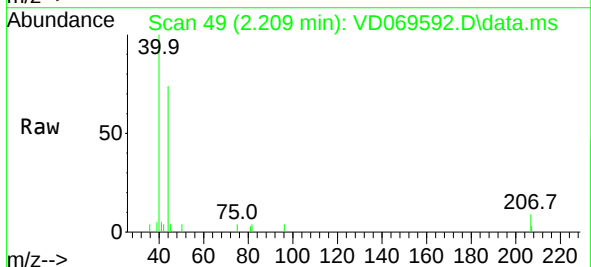
Instrument :
MSVOA_D
ClientSampled :
TP-1

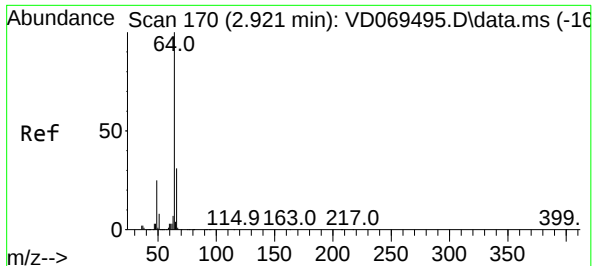
Tgt Ion:168 Resp: 3035
Ion Ratio Lower Upper
168 100
99 53.9 49.3 73.9



#3
Chloromethane
Concen: 4.086 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion: 50 Resp: 174
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

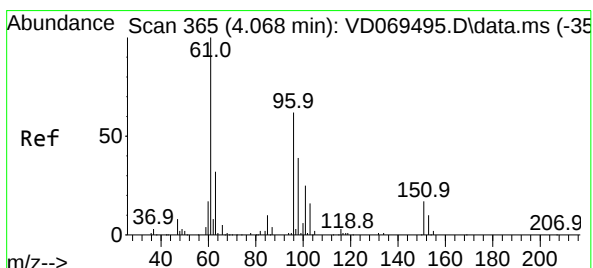
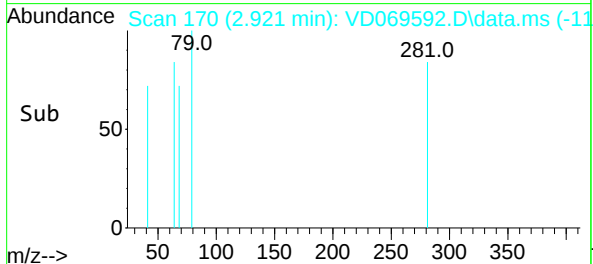
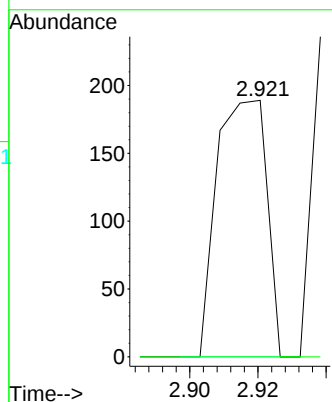
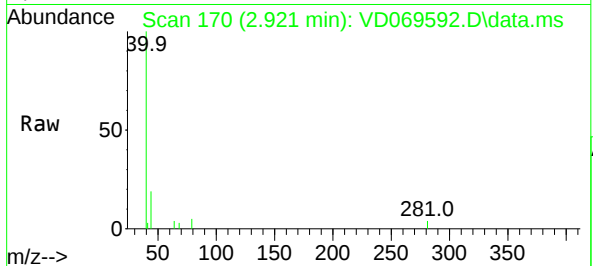




#6
Chloroethane
Concen: 6.072 ug/l
RT: 2.921 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

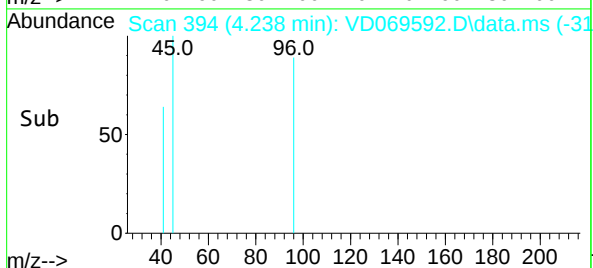
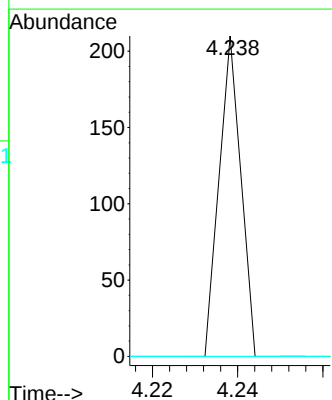
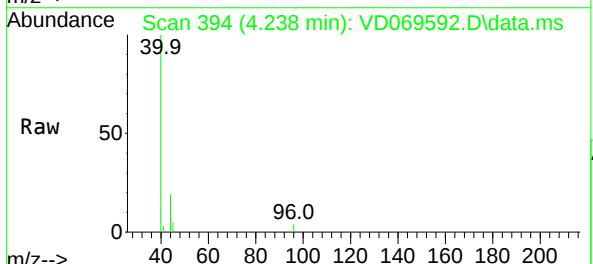
Instrument :
MSVOA_D
ClientSampled :
TP-1

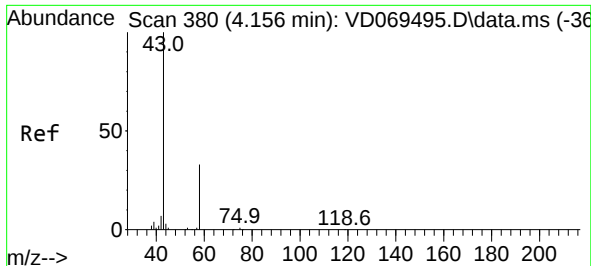
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#12
1,1-Dichloroethene
Concen: 2.469 ug/l
RT: 4.238 min Scan# 394
Delta R.T. 0.171 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion: 96 Resp: 74
Ion Ratio Lower Upper
96 100
61 0.0 130.1 195.1#
98 0.0 51.2 76.8#

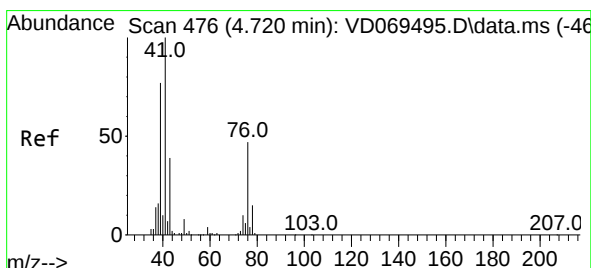
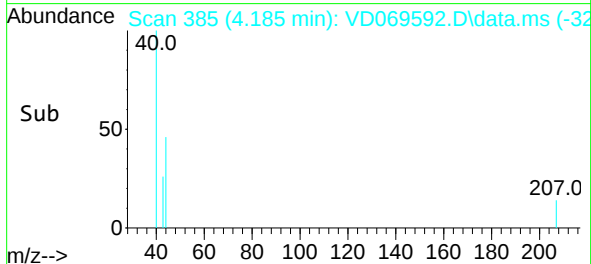
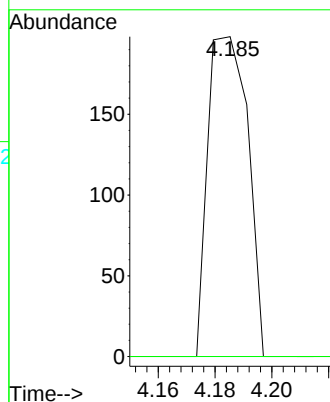
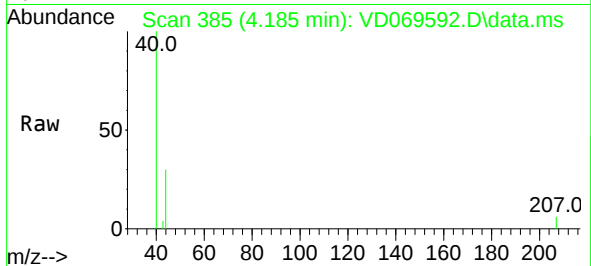




#16
Acetone
Concen: 30.467 ug/l
RT: 4.185 min Scan# 385
Delta R.T. 0.029 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

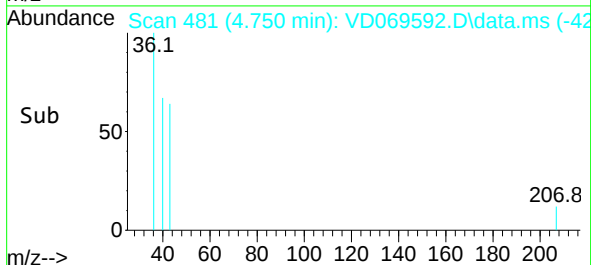
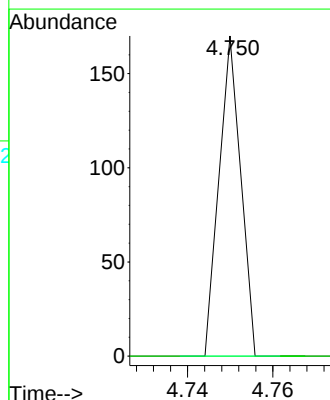
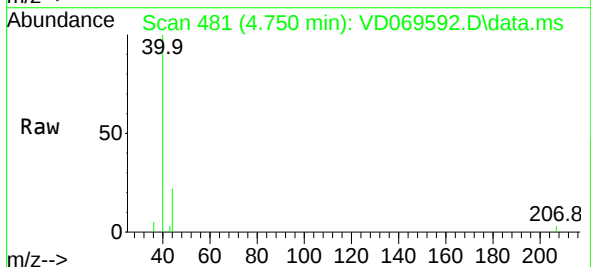
Instrument :
MSVOA_D
ClientSampleId :
TP-1

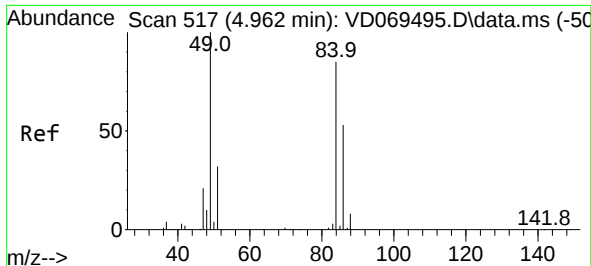
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: 1.109 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.030 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

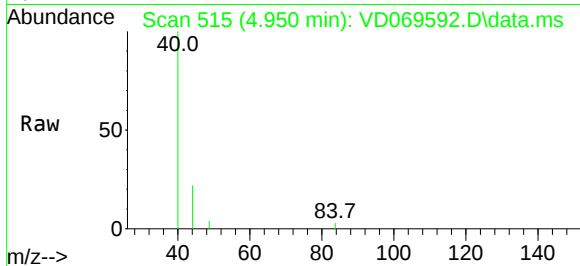
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



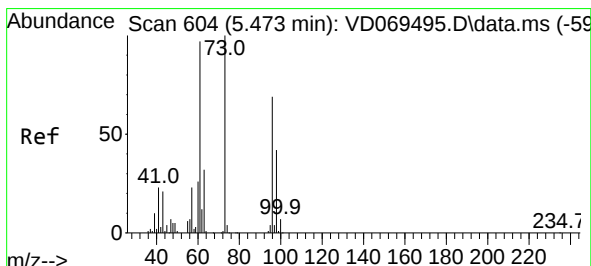
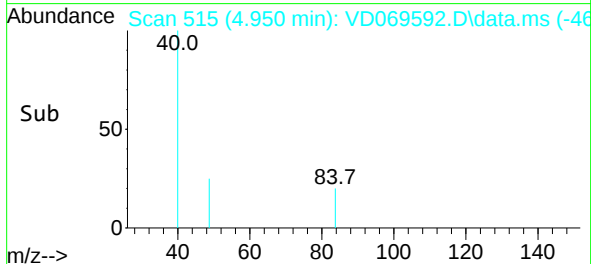
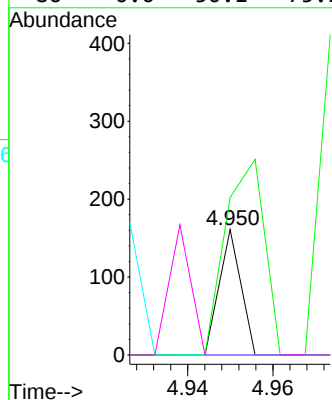


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Instrument :
MSVOA_D
ClientSampled :
TP-1

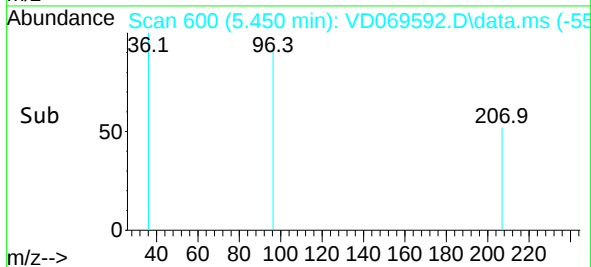
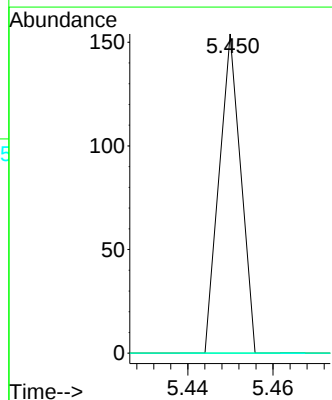
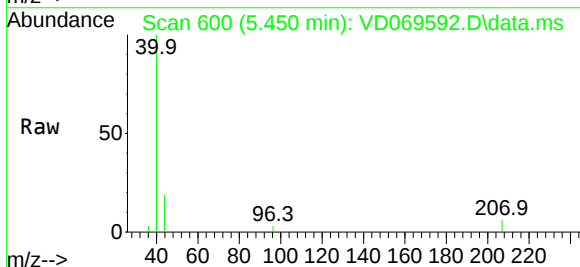


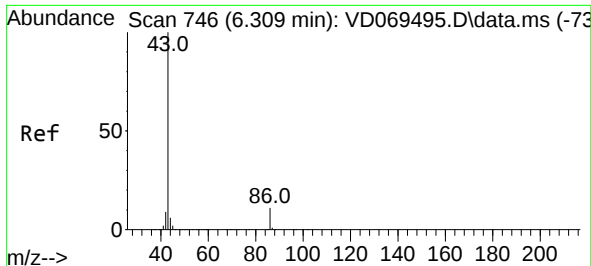
Tgt Ion:	84	Resp:	57
Ion	Ratio	Lower	Upper
84	100		
49	125.5	94.0	141.0
51	0.0	29.7	44.5#
86	0.0	50.1	75.1#



#21
trans-1,2-Dichloroethene
Concen: 1.493 ug/l
RT: 5.450 min Scan# 600
Delta R.T. -0.023 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion:	96	Resp:	54
Ion	Ratio	Lower	Upper
96	100		
61	0.0	111.8	167.6#
98	0.0	48.5	72.7#

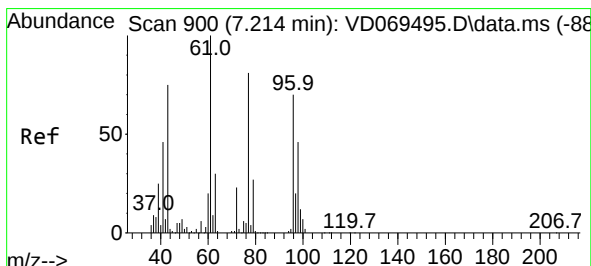
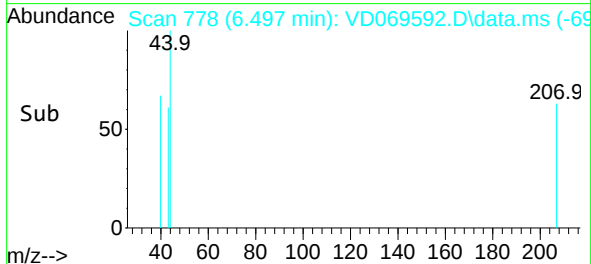
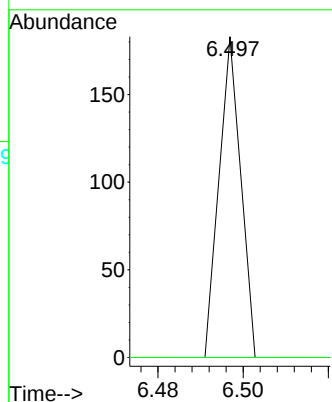
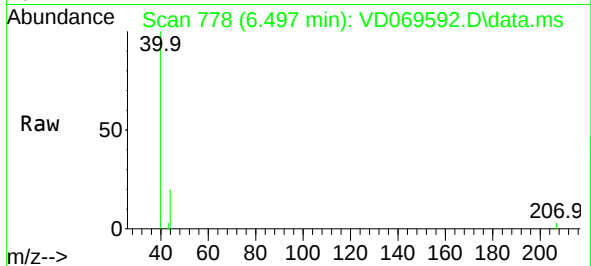




#23
 Vinyl Acetate
 Concen: 20.126 ug/l
 RT: 6.497 min Scan# 778
 Delta R.T. 0.188 min
 Lab File: VD069592.D
 Acq: 06 Jul 2021 20:02

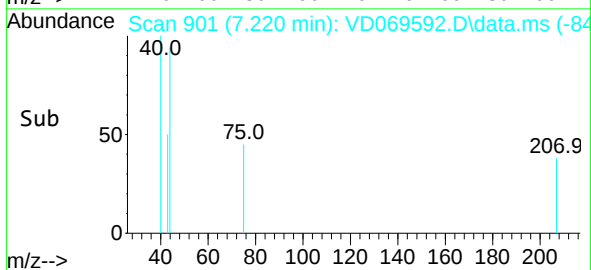
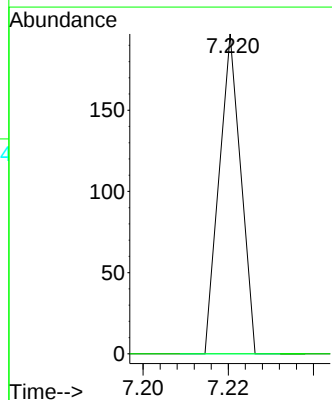
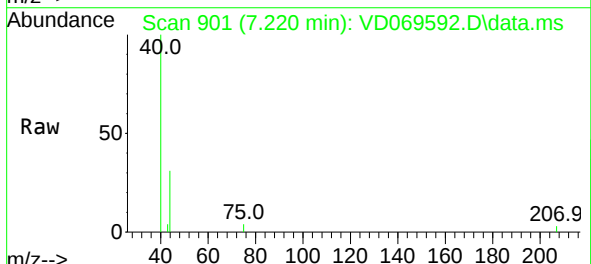
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

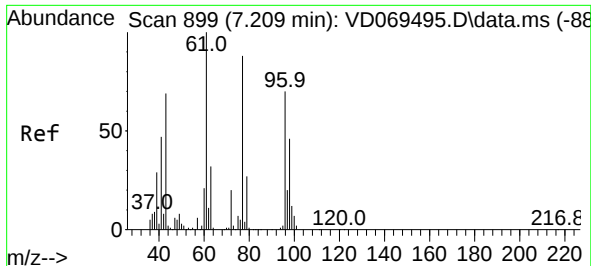
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 8.651 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069592.D
 Acq: 06 Jul 2021 20:02

Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#





#27

cis-1,2-Dichloroethene

Concen: 1.527 ug/l

RT: 6.938 min Scan# 853

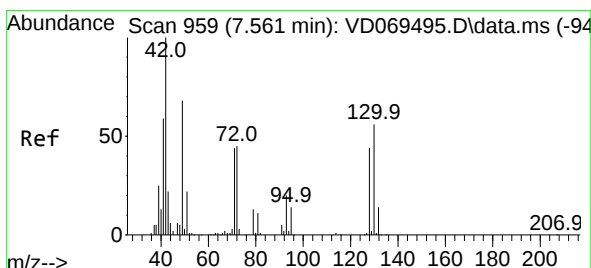
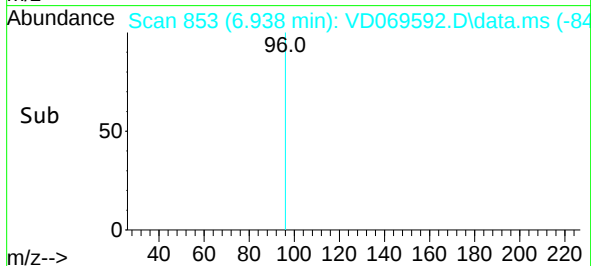
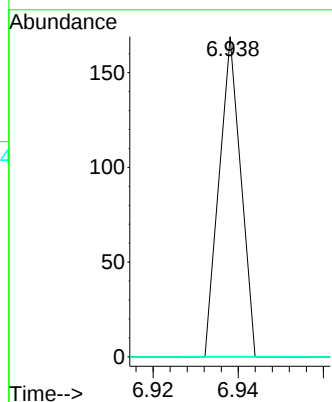
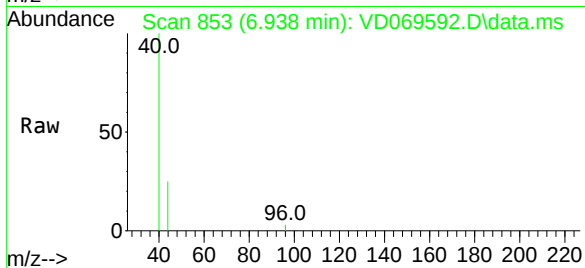
Delta R.T. -0.271 min

Lab File: VD069592.D

Acq: 06 Jul 2021 20:02

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion: 96	Resp:	60
Ion	Ratio	Lower Upper
96	100	
61	0.0	0.0 290.8
98	0.0	0.0 131.8



#29

Tetrahydrofuran

Concen: 19.387 ug/l

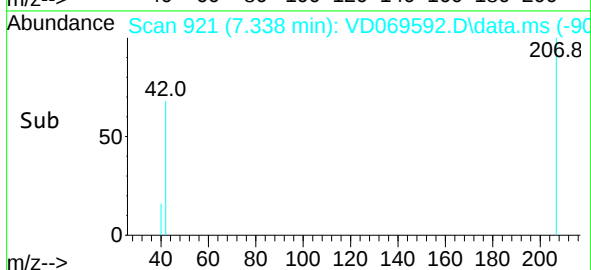
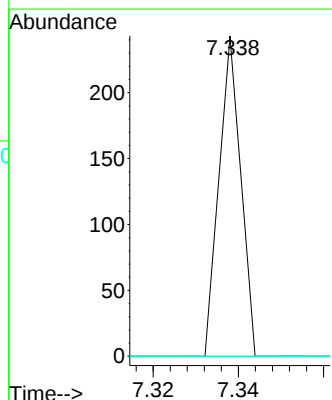
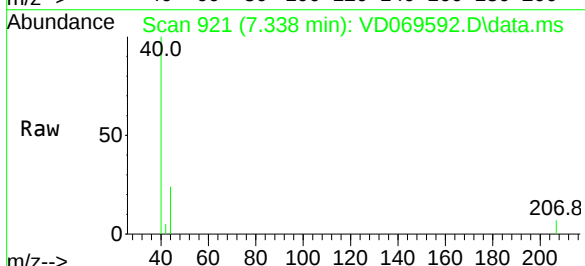
RT: 7.338 min Scan# 921

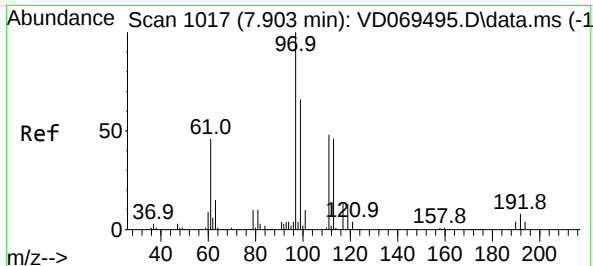
Delta R.T. -0.223 min

Lab File: VD069592.D

Acq: 06 Jul 2021 20:02

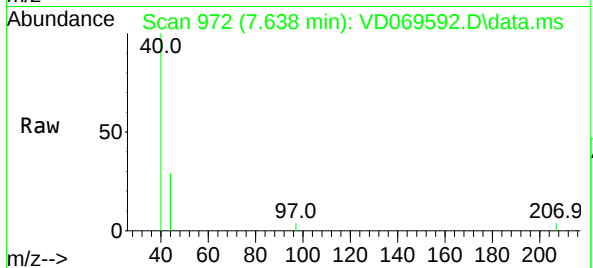
Tgt Ion: 42	Resp:	86
Ion	Ratio	Lower Upper
42	100	
72	0.0	37.9 56.9#
71	0.0	35.1 52.7#





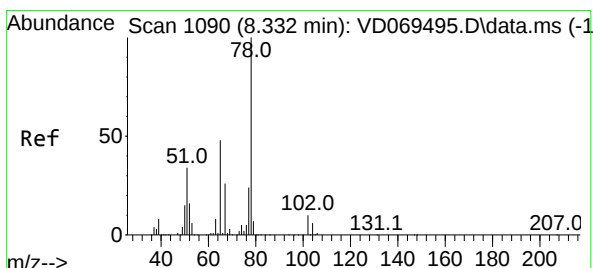
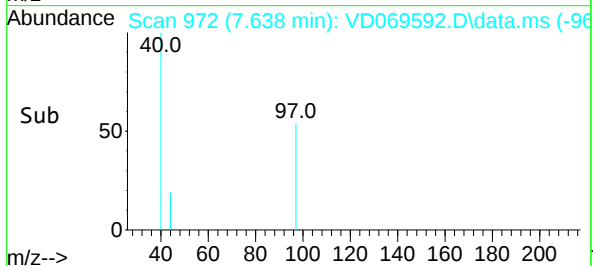
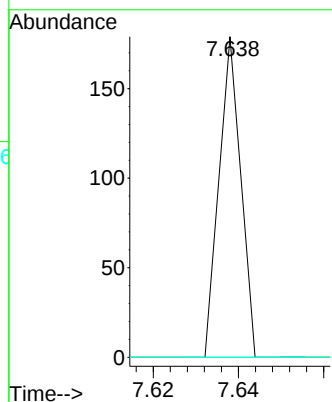
#32
 1,1,1-Trichloroethane
 Concen: 1.078 ug/l
 RT: 7.638 min Scan# 972
 Delta R.T. -0.265 min
 Lab File: VD069592.D
 Acq: 06 Jul 2021 20:02

Instrument :
 MSVOA_D
 ClientSampled :
 TP-1



Tgt Ion: 97 Resp: 63

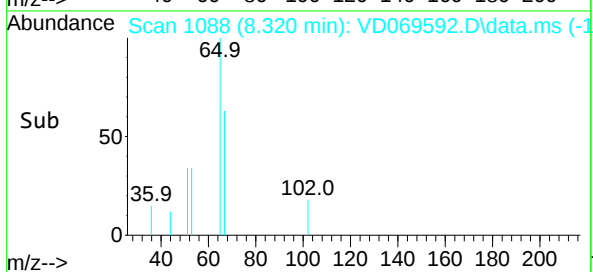
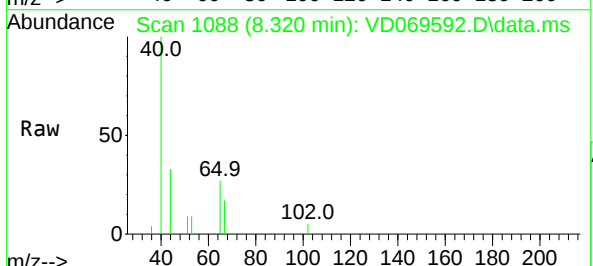
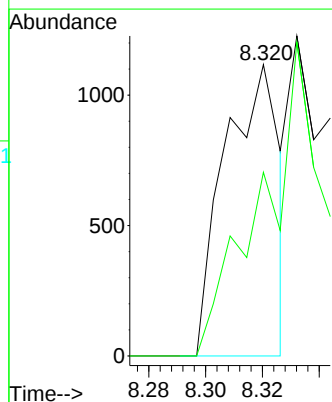
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.6	78.8#
61	0.0	37.0	55.4#

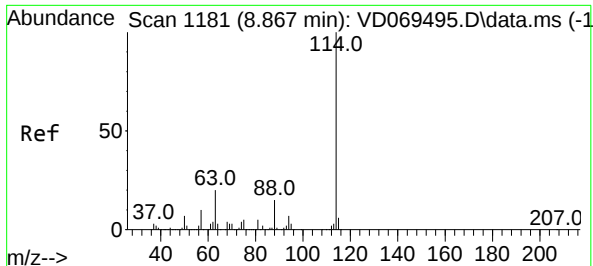


#33
 1,2-Dichloroethane-d4
 Concen: 39.650 ug/l
 RT: 8.320 min Scan# 1088
 Delta R.T. -0.012 min
 Lab File: VD069592.D
 Acq: 06 Jul 2021 20:02

Tgt Ion: 65 Resp: 1500

Ion	Ratio	Lower	Upper
65	100		
67	119.7	0.0	105.6#



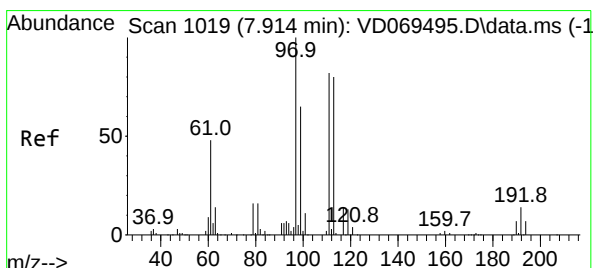
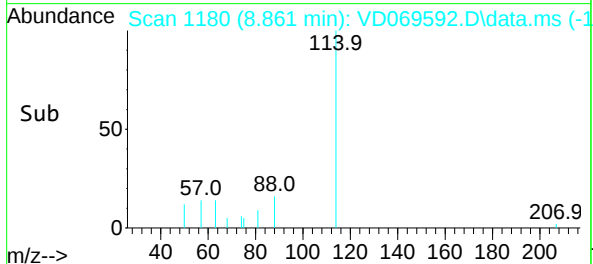
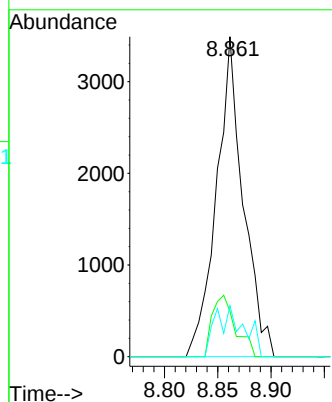
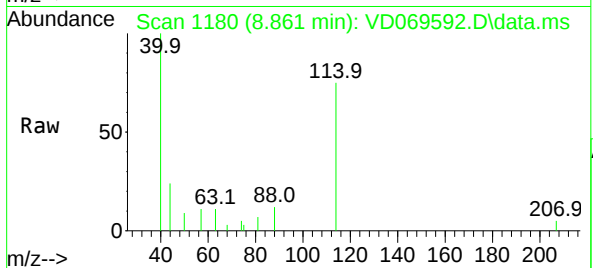


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Instrument :
MSVOA_D
ClientSampled :
TP-1

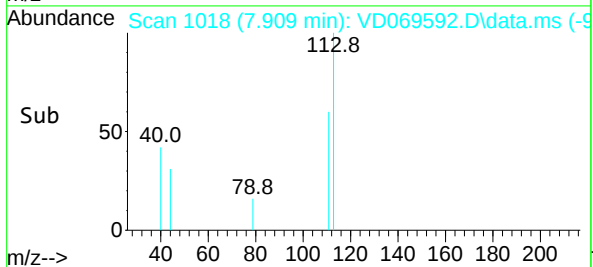
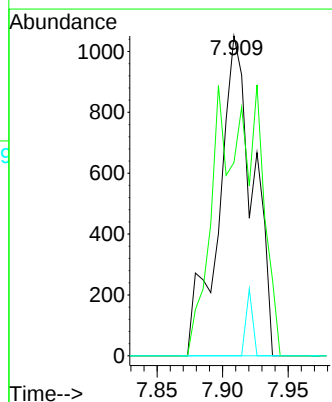
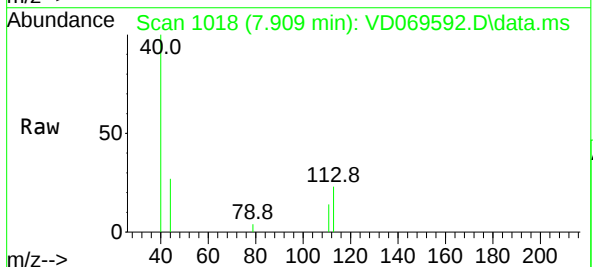
Tgt Ion:	114	Resp:	6092
Ion Ratio	100	Lower	Upper
63	14.2	0.0	39.6
88	16.0	0.0	29.8

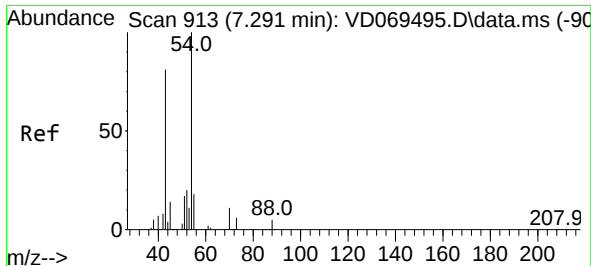


#35

Dibromofluoromethane
Concen: 46.575 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion:	113	Resp:	1918
Ion Ratio	100	Lower	Upper
111	0.0	81.8	122.8#
192	4.1	13.8	20.6#

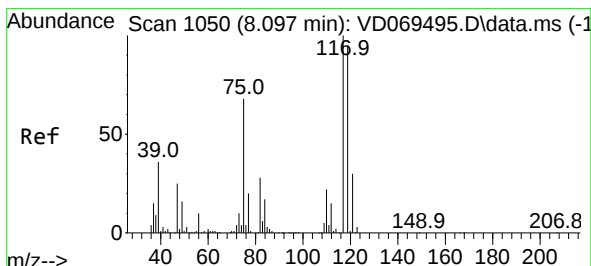
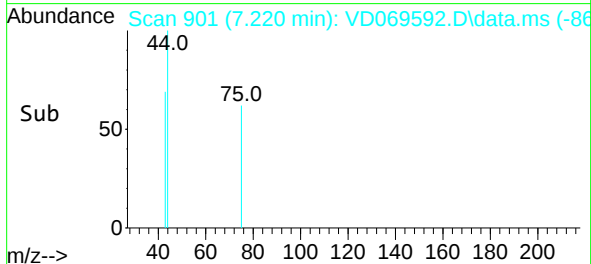
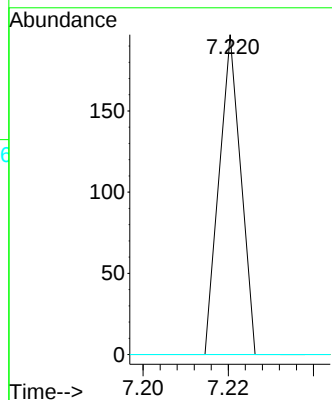
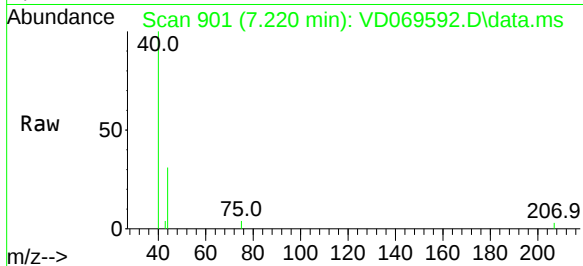




#37
Ethyl Acetate
Concen: 3.155 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

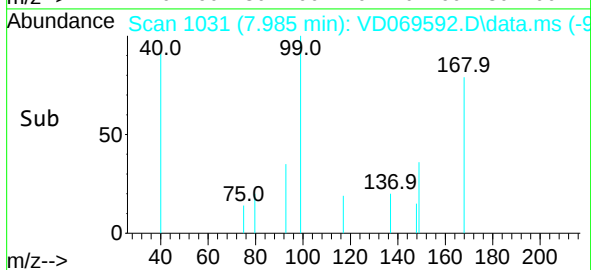
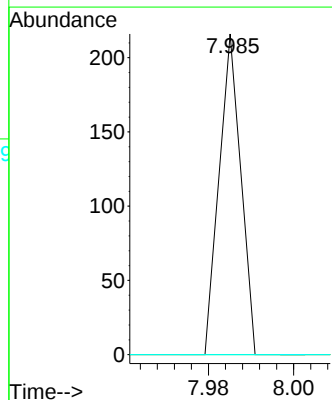
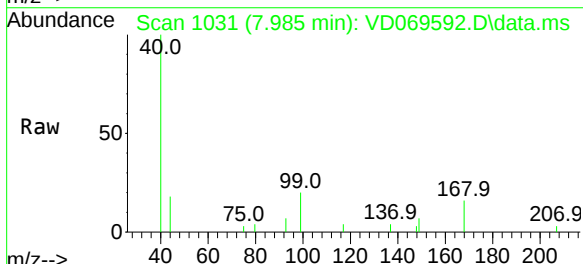
Instrument :
MSVOA_D
ClientSampled :
TP-1

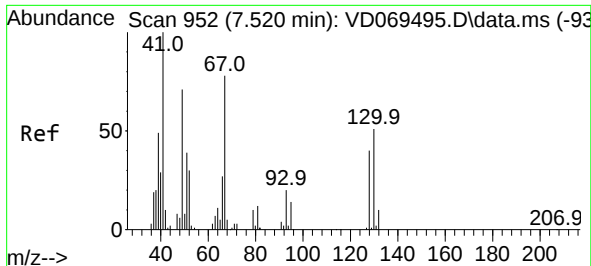
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 1.284 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

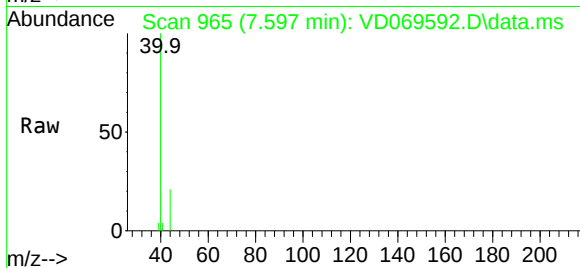
Tgt Ion: 117 Resp: 76
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#



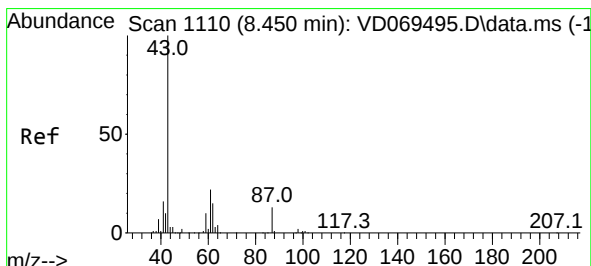
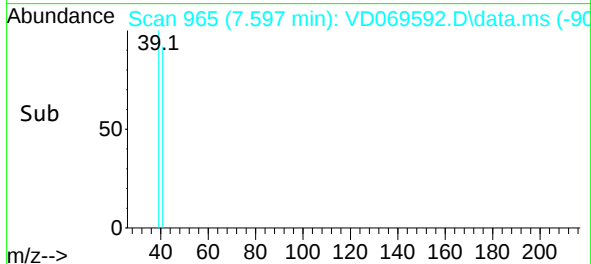
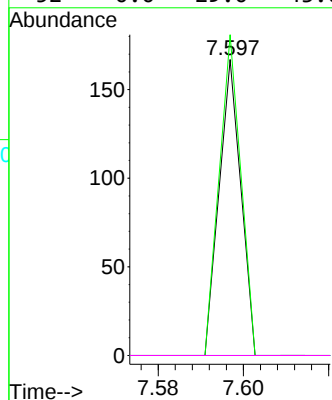


#41
Methacrylonitrile
Concen: 4.570 ug/l
RT: 7.597 min Scan# 965
Delta R.T. 0.077 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

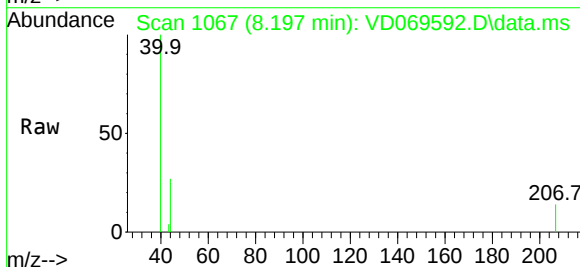
Instrument :
MSVOA_D
ClientSampleId :
TP-1



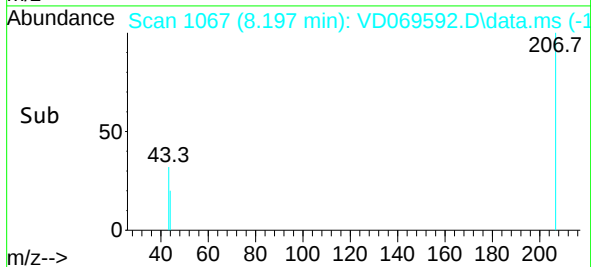
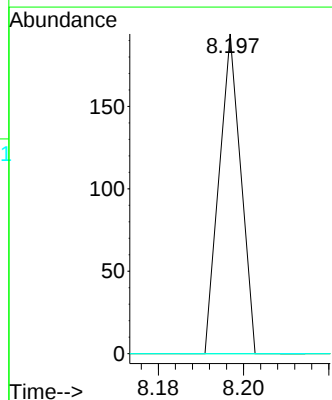
Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	108.5	41.7	62.5#
67	0.0	71.8	107.6#
52	0.0	29.0	43.6#

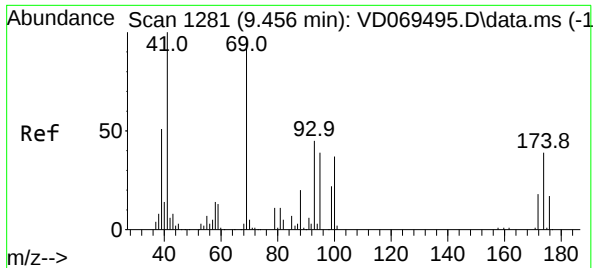


#43
Isopropyl Acetate
Concen: 1.687 ug/l
RT: 8.197 min Scan# 1067
Delta R.T. -0.253 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02



Tgt Ion:	43	Resp:	68
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.2#
87	0.0	11.4	17.0#

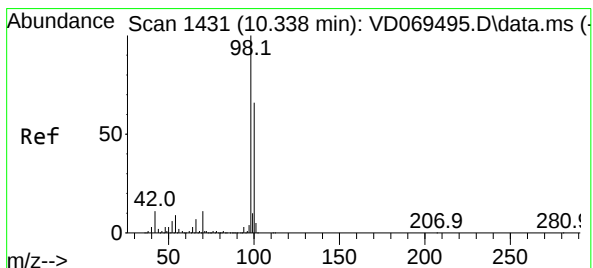
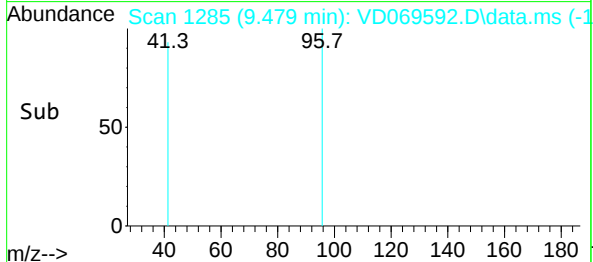
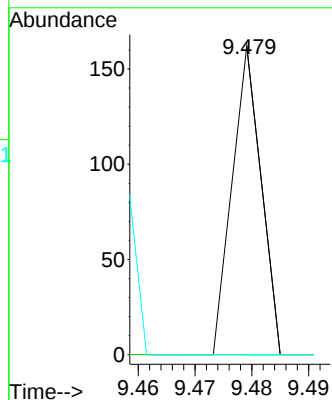
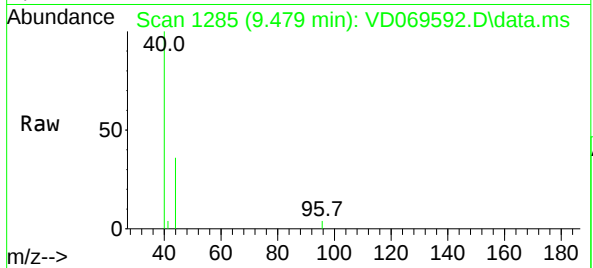




#48
Methyl methacrylate
Concen: 2.977 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.024 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

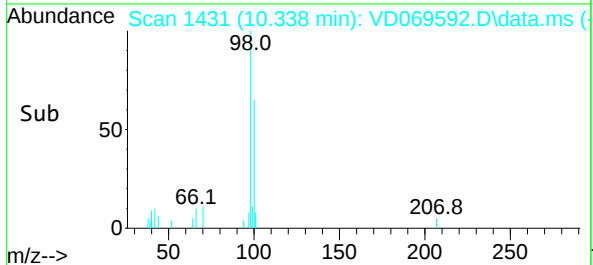
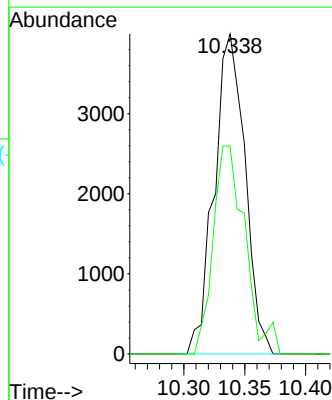
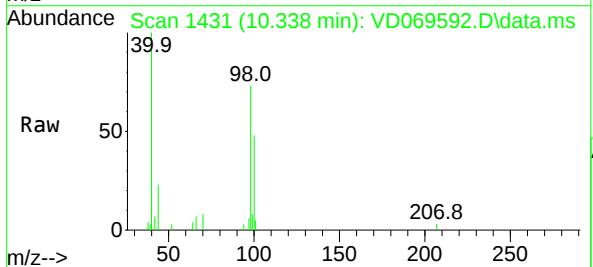
Instrument :
MSVOA_D
ClientSampled :
TP-1

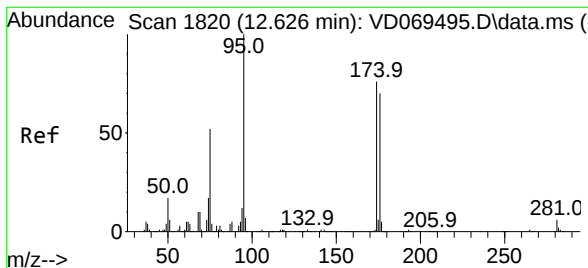
Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 80.9 121.3#
39 0.0 45.8 68.6#



#50
Toluene-d8
Concen: 45.563 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion: 98 Resp: 7038
Ion Ratio Lower Upper
98 100
100 67.0 52.3 78.5

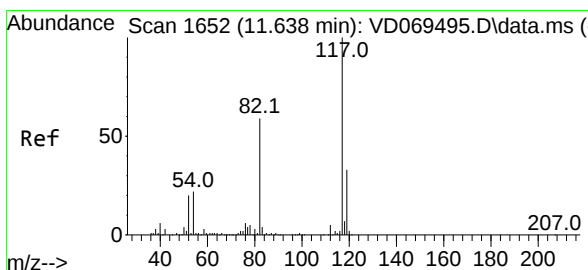
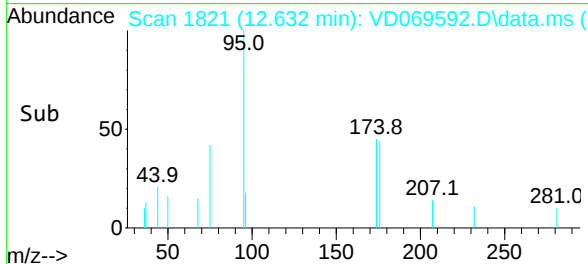
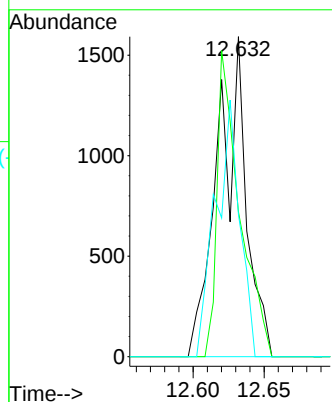
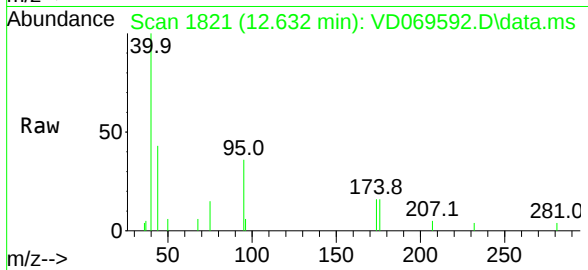




#62
4-Bromofluorobenzene
Concen: 43.303 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

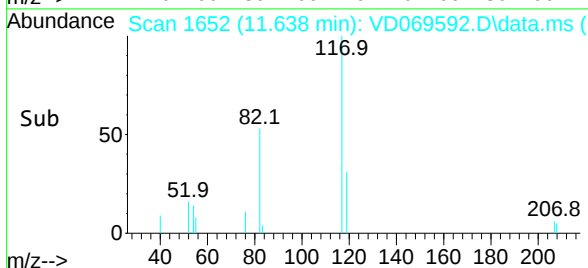
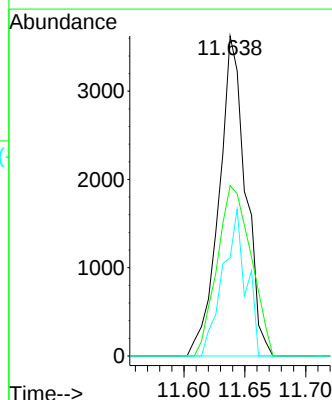
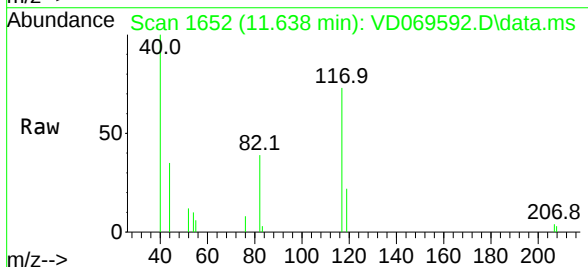
Instrument :
MSVOA_D
ClientSampleId :
TP-1

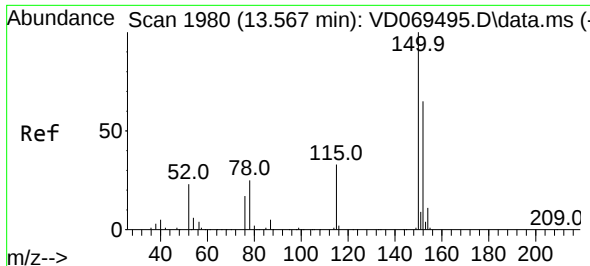
Tgt Ion:	95	Resp:	2199
Ion Ratio	Lower	Upper	
95	100		
174	76.4	0.0	148.0
176	68.3	0.0	139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion:	117	Resp:	5530
Ion Ratio	Lower	Upper	
117	100		
82	53.3	46.8	70.2
119	30.7	26.2	39.2

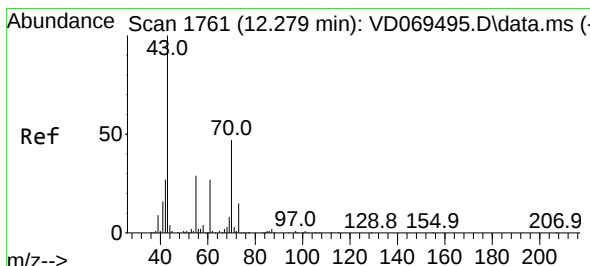
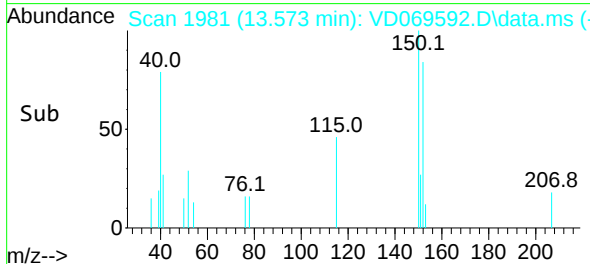
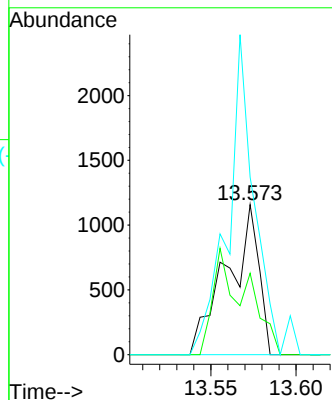
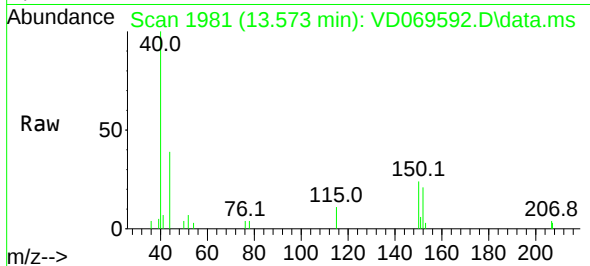




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

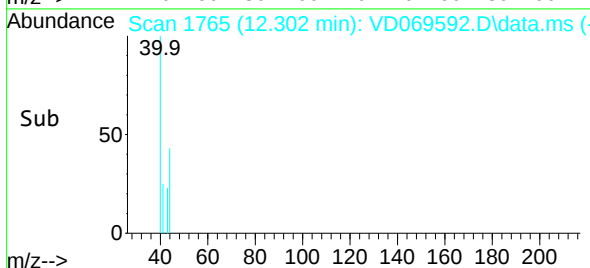
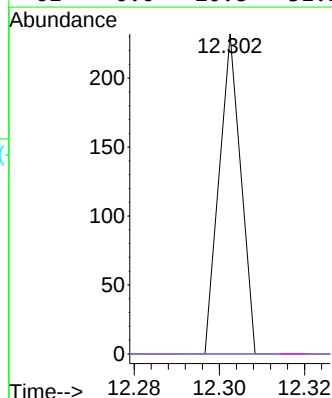
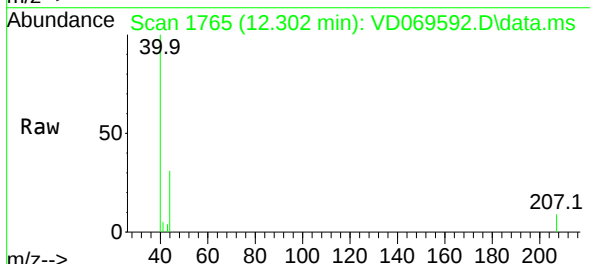
Instrument :
MSVOA_D
ClientSampled :
TP-1

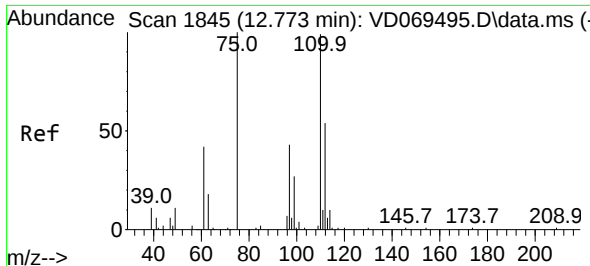
Tgt Ion:152 Resp: 1515
Ion Ratio Lower Upper
152 100
115 72.9 31.7 95.1
150 180.3 0.0 350.8



#74
N-ethyl acetate
Concen: 3.869 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.024 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
70 0.0 38.1 57.1#
55 0.0 24.1 36.1#
61 0.0 20.8 31.2#

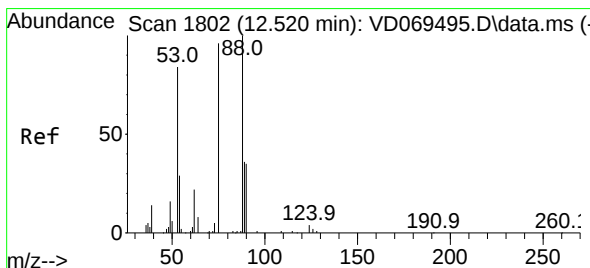
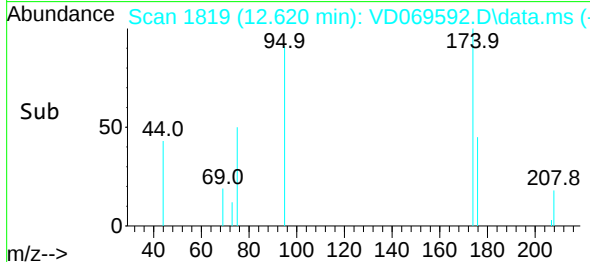
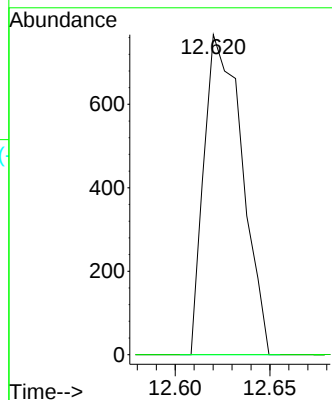
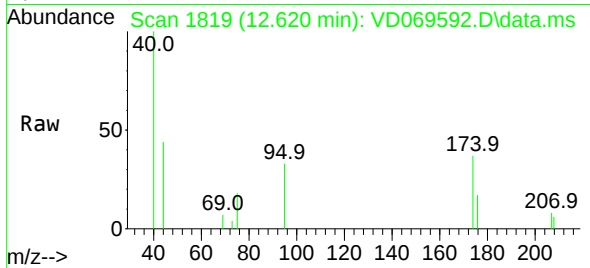




#76
1,2,3-Trichloropropane
Concen: 72.083 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

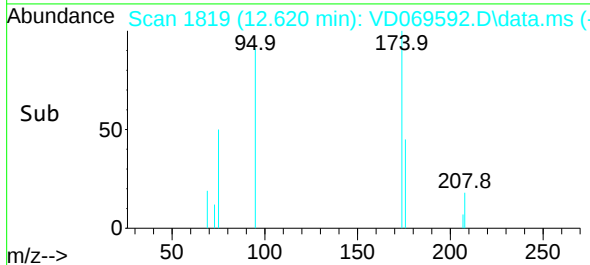
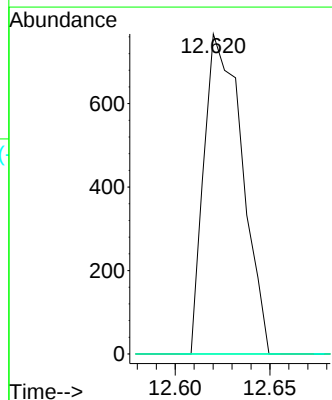
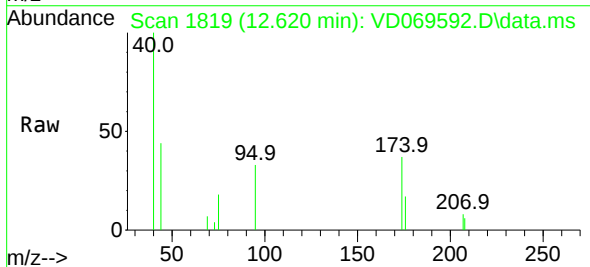
Instrument :
MSVOA_D
ClientSampled :
TP-1

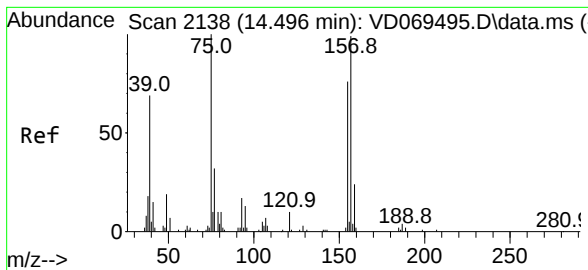
Tgt Ion: 75 Resp: 1072
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 179.982 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069592.D
Acq: 06 Jul 2021 20:02

Tgt Ion: 75 Resp: 1072
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.722 ug/l
 RT: 14.532 min Scan# 2144
 Delta R.T. 0.035 min
 Lab File: VD069592.D
 Acq: 06 Jul 2021 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 120
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.4 118.1#
 157 0.0 51.2 153.6#

