

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069430.D
 Acq On : 14 Jun 2021 16:48
 Operator : VA/SY
 Sample : M2709-02
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:28:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

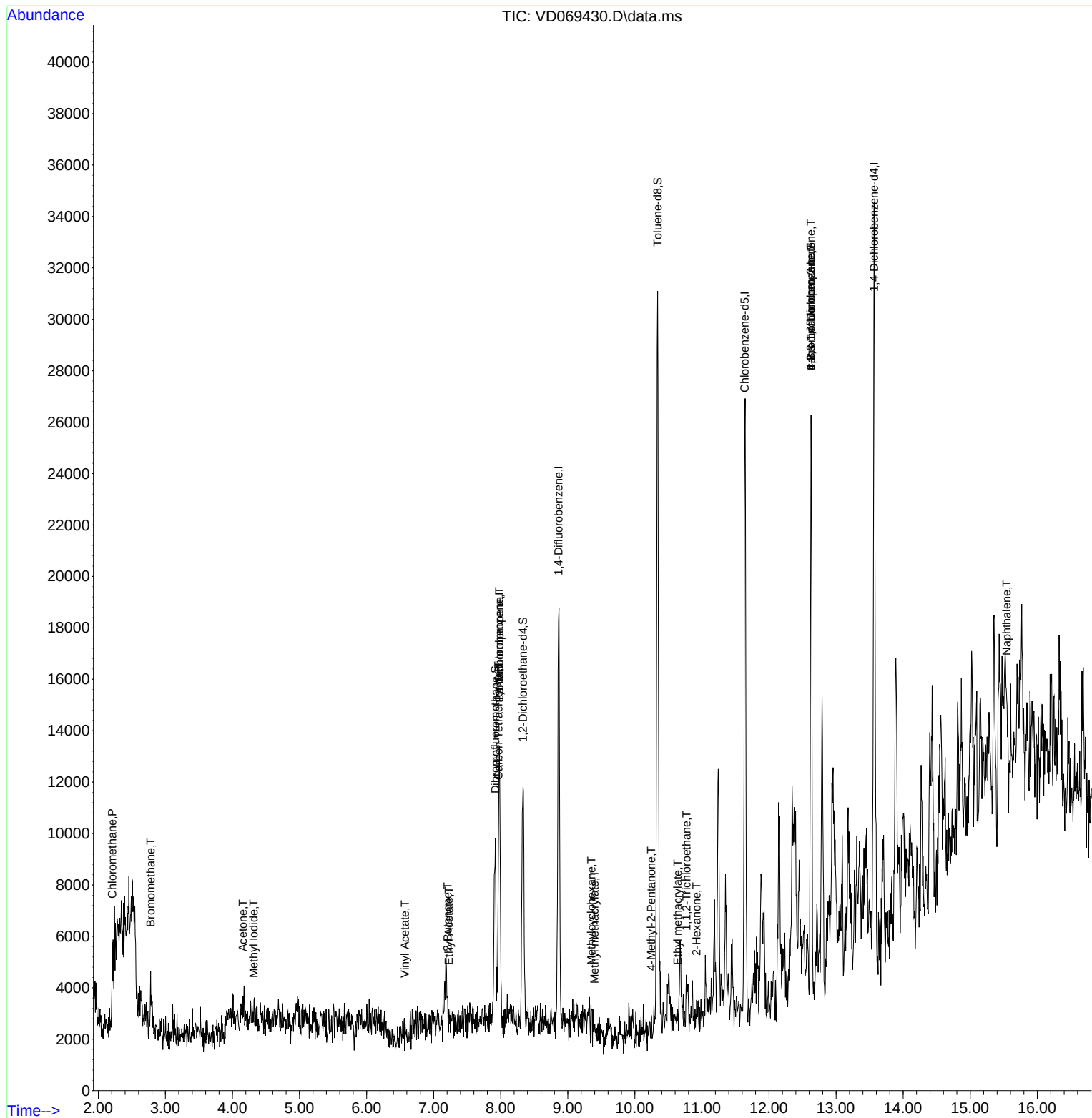
Internal Standards						
1) Pentafluorobenzene	7.979	168	8260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	13625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	14878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	7840	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8018	86.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	172.08%#		
35) Dibromofluoromethane	7.920	113	4644	45.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.02%		
50) Toluene-d8	10.338	98	18245	48.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.76%		
62) 4-Bromofluorobenzene	12.626	95	6588	55.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	110.02%		
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	445	5.41	ug/l	93
5) Bromomethane	2.779	94	1432	18.12	ug/l #	54
10) Methyl Iodide	4.315	142	546	8.43	ug/l #	83
16) Acetone	4.156	43	1433	92.90	ug/l	89
18) Methyl Acetate	4.897	43	55	Below Cal	#	46
20) Methylene Chloride	4.967	84	397	Below Cal	#	45
23) Vinyl Acetate	6.573	43	90	18.21	ug/l #	67
25) 2-Butanone	7.208	43	373	19.39	ug/l #	45
36) 1,1-Dichloropropene	7.979	75	692	4.88	ug/l #	41
37) Ethyl Acetate	7.226	43	131	2.76	ug/l #	67
38) Carbon Tetrachloride	7.967	117	1004	6.53	ug/l #	11
39) Methylcyclohexane	9.350	83	387	2.71	ug/l #	19
48) Methyl methacrylate	9.397	41	60	1.47	ug/l #	1
51) 4-Methyl-2-Pentanone	10.244	43	56	1.22	ug/l #	32
55) 1,1,2-Trichloroethane	10.767	97	674	8.44	ug/l #	15
56) Ethyl methacrylate	10.638	69	55	3.39	ug/l #	1
59) 2-Hexanone	10.920	43	84	2.75	ug/l #	20
76) 1,2,3-Trichloropropane	12.626	75	3700	46.55	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3700	124.18	ug/l #	18
95) Naphthalene	15.543	128	84	3.86	ug/l #	69

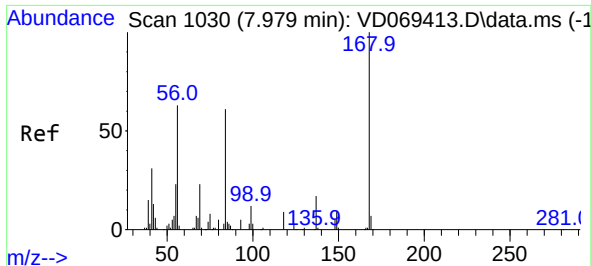
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

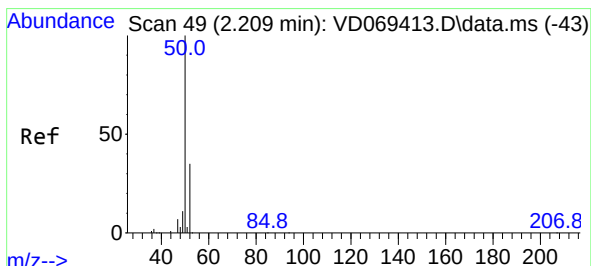
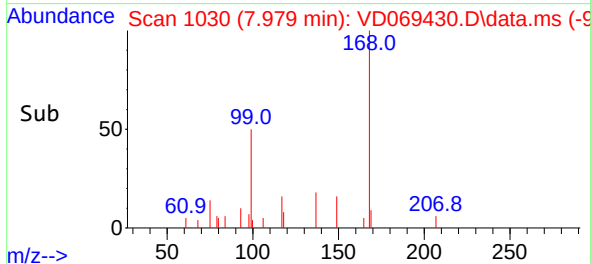
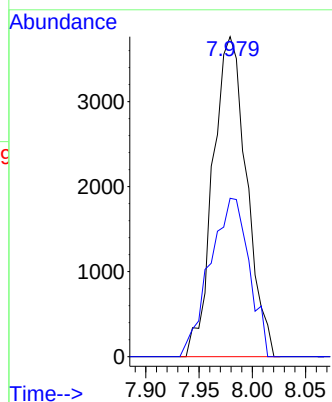
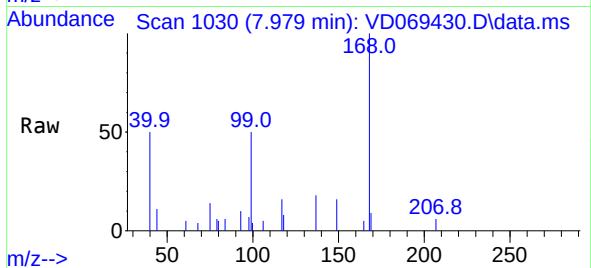




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

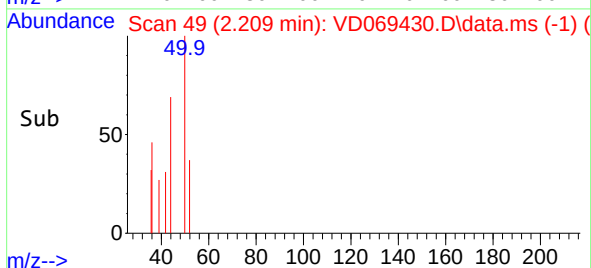
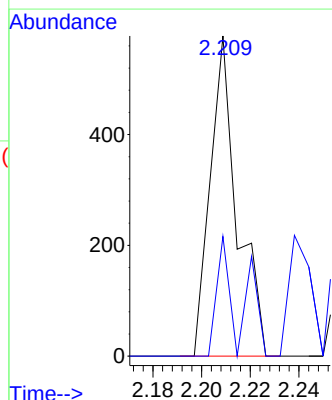
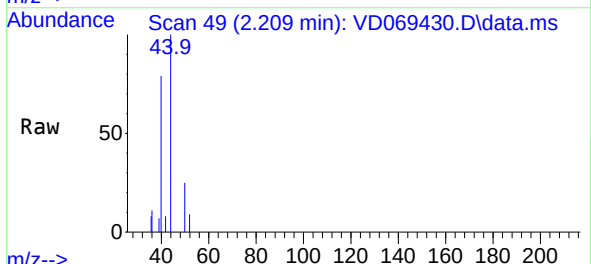
Instrument :
MSVOA_D
ClientSampled :

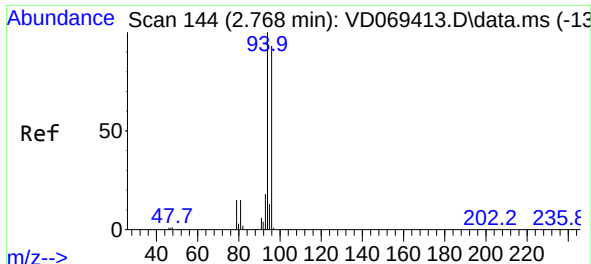
Tgt Ion:168 Resp: 8260
Ion Ratio Lower Upper
168 100
99 49.5 46.2 69.2



#3
Chloromethane
Concen: 5.41 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 37.4 26.7 40.1

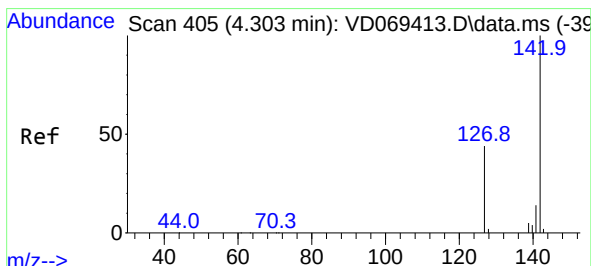
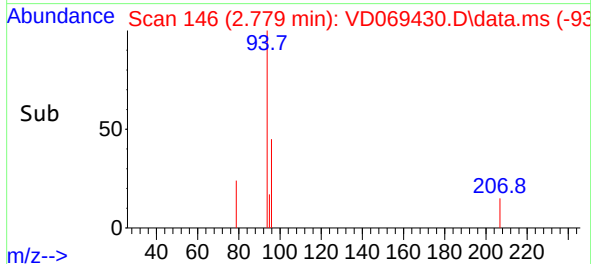
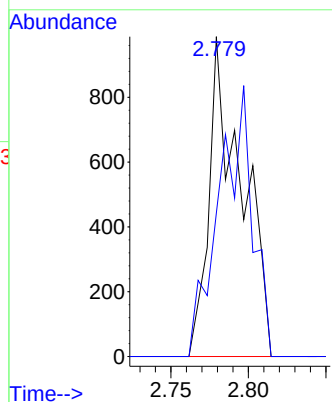
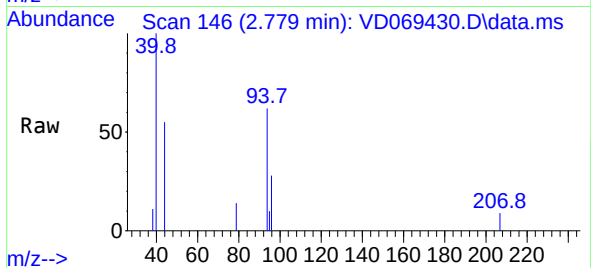




#5
Bromomethane
Concen: 18.12 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

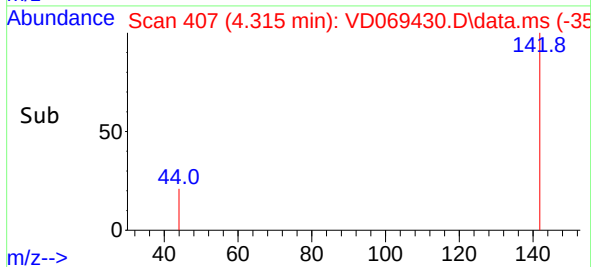
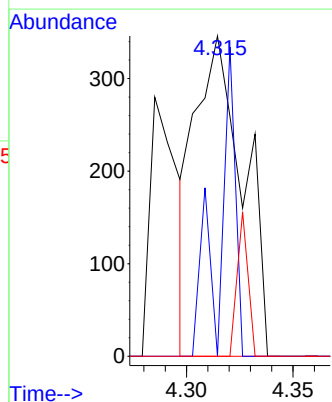
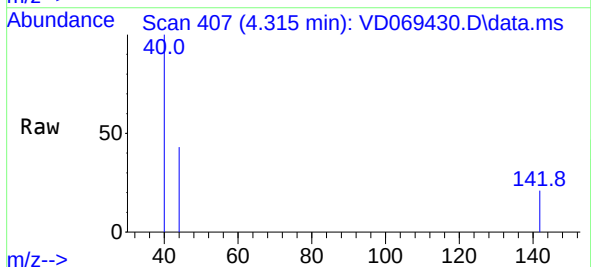
Instrument :
MSVOA_D
ClientSampleId :

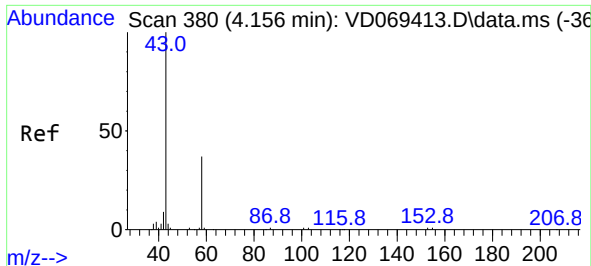
Tgt Ion: 94 Resp: 1432
Ion Ratio Lower Upper
94 100
96 44.9 70.3 105.5#



#10
Methyl Iodide
Concen: 8.43 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 142 Resp: 546
Ion Ratio Lower Upper
142 100
127 33.3 36.2 54.2#
141 10.1 12.2 18.2#

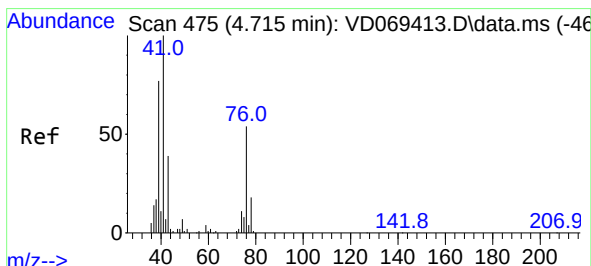
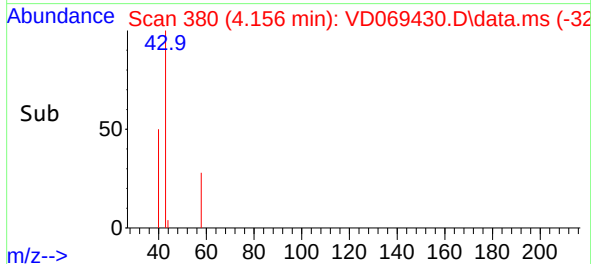
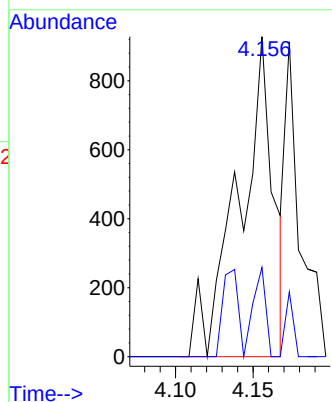
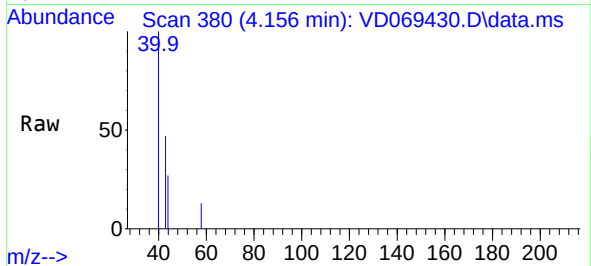




#16
Acetone
Concen: 92.90 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

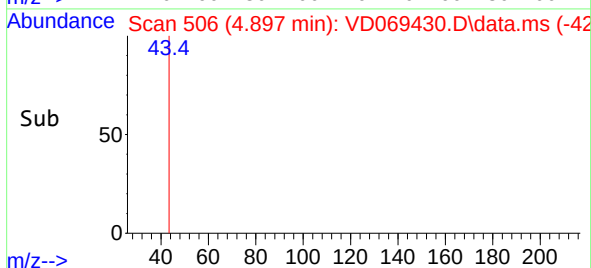
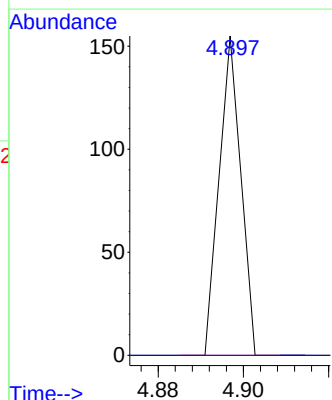
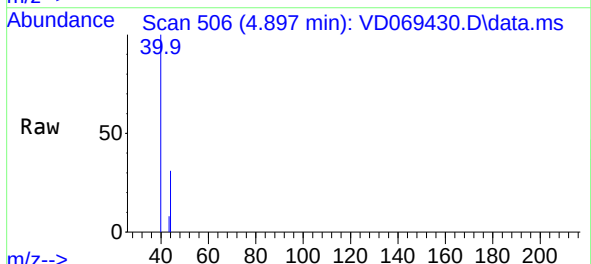
Instrument :
MSVOA_D
ClientSampleId :

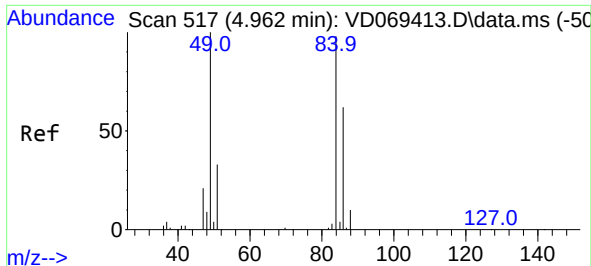
Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 27.9 27.5 41.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.897 min Scan# 506
Delta R.T. 0.182 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



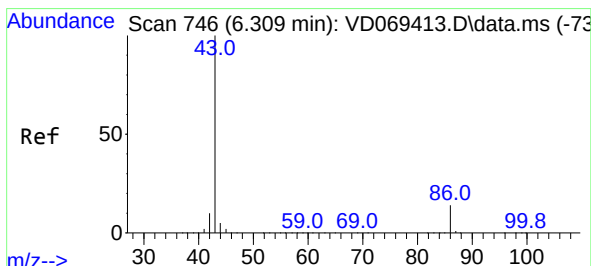
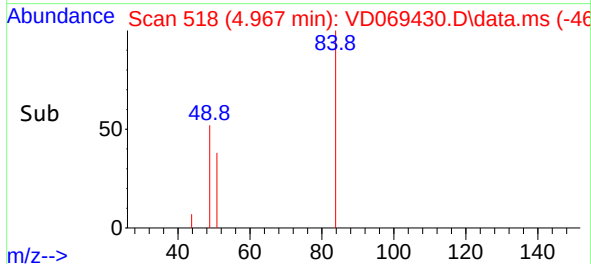
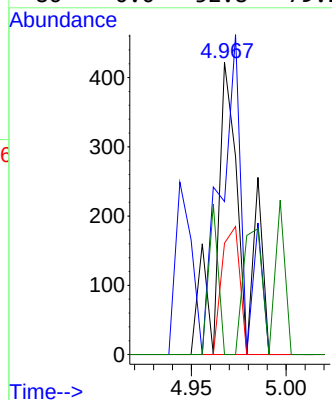
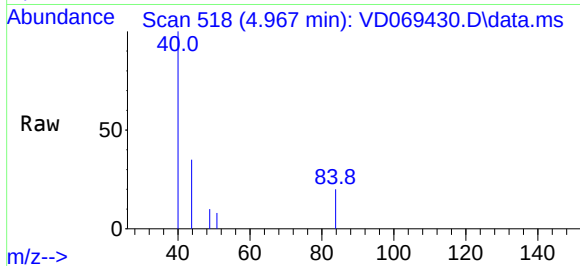


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 397

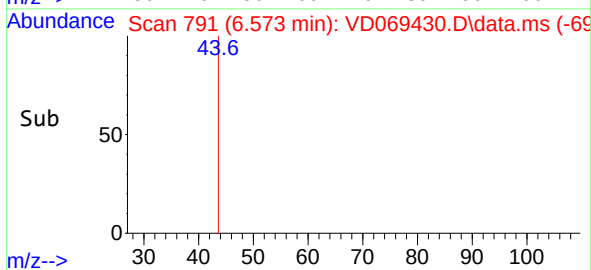
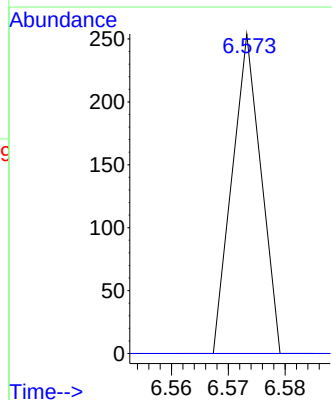
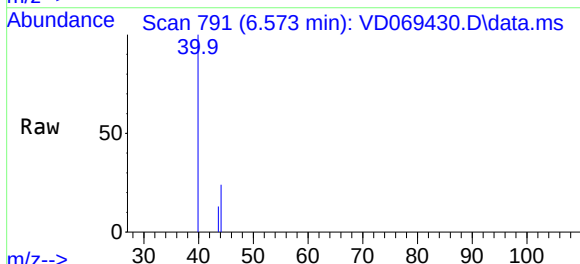
Ion	Ratio	Lower	Upper
84	100		
49	52.4	83.7	125.5#
51	38.2	26.4	39.6
86	0.0	52.8	79.2#

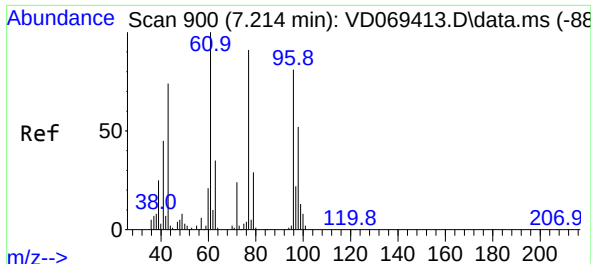


#23
Vinyl Acetate
Concen: 18.21 ug/l
RT: 6.573 min Scan# 791
Delta R.T. 0.264 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 43 Resp: 90

Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

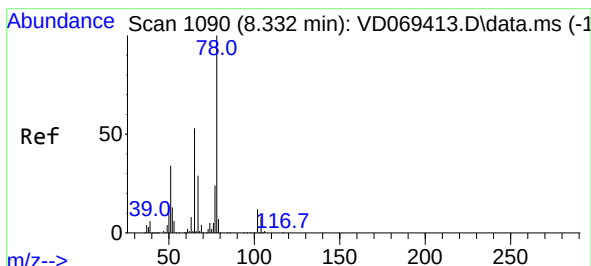
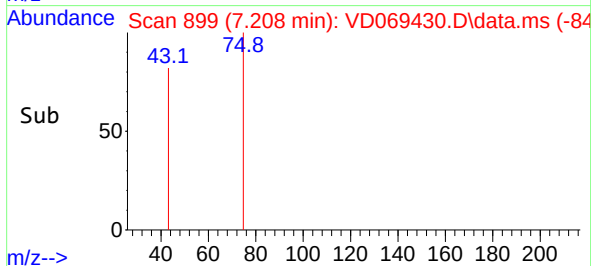
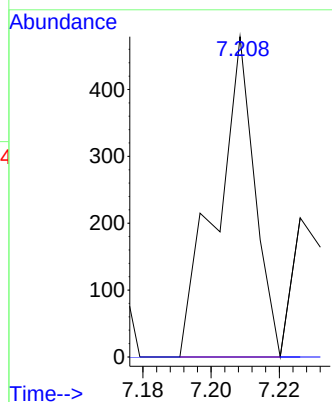
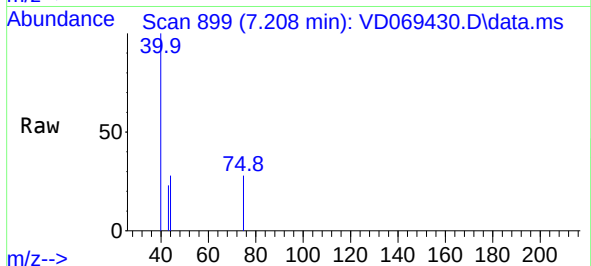




#25
2-Butanone
Concen: 19.39 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

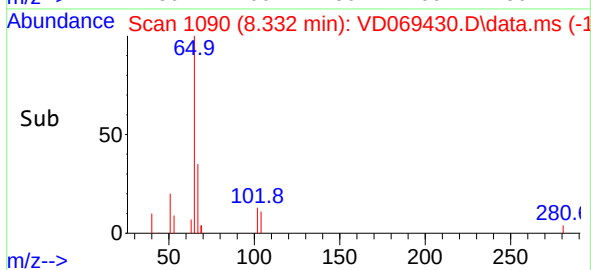
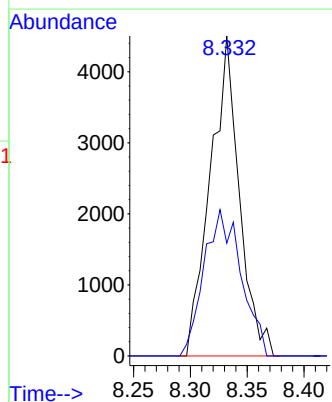
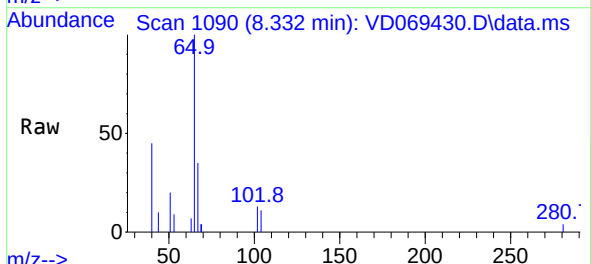
Instrument :
MSVOA_D
ClientSampled :

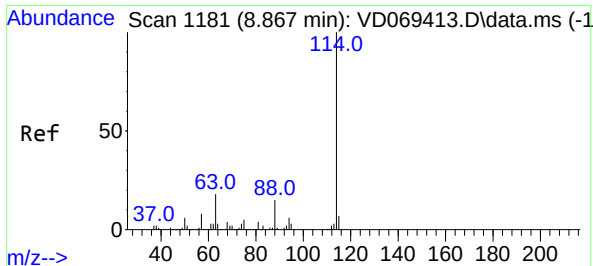
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 86.04 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 65 Resp: 8018
Ion Ratio Lower Upper
65 100
67 58.3 0.0 105.8

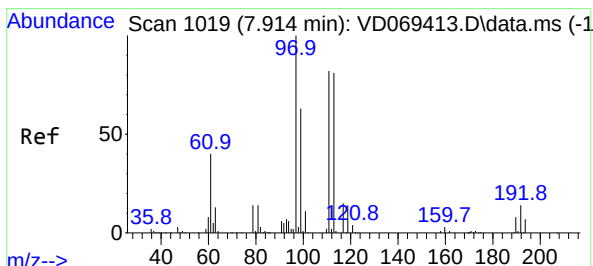
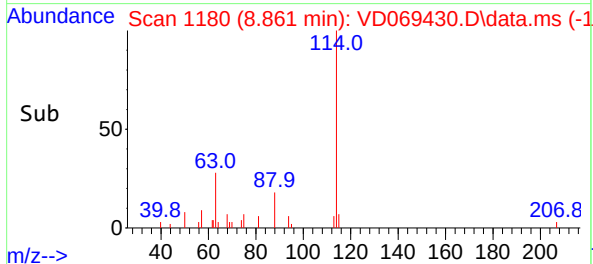
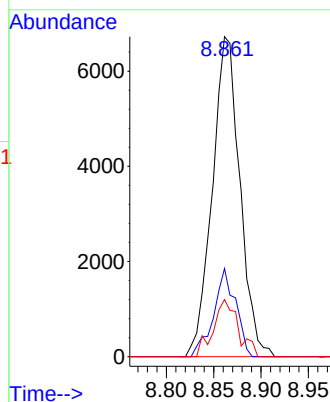
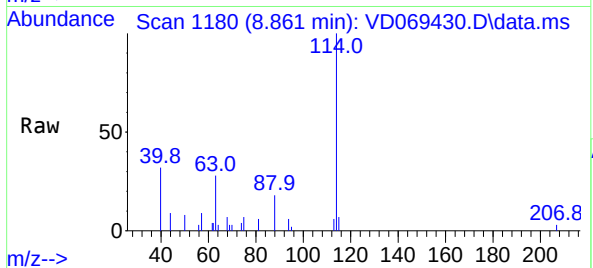




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

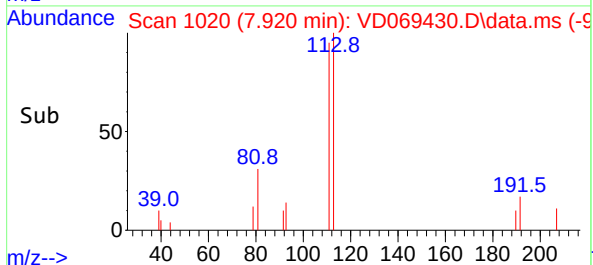
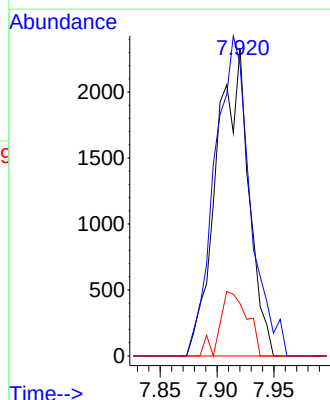
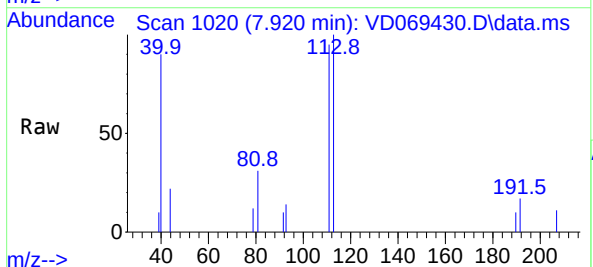
Instrument :
MSVOA_D
ClientSampleId :

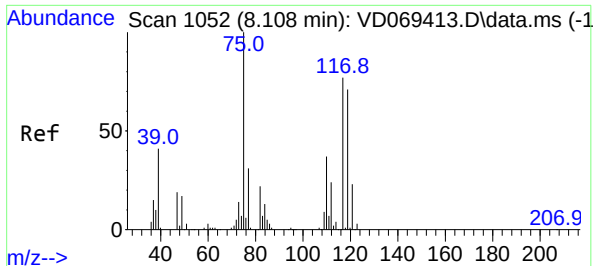
Tgt Ion:	114	Resp:	13625
Ion	Ratio	Lower	Upper
114	100		
63	27.5	0.0	35.6
88	17.8	0.0	31.2



#35
Dibromofluoromethane
Concen: 45.51 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion:	113	Resp:	4644
Ion	Ratio	Lower	Upper
113	100		
111	113.4	83.0	124.6
192	17.6	15.1	22.7

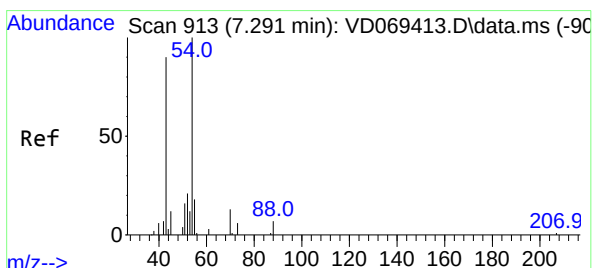
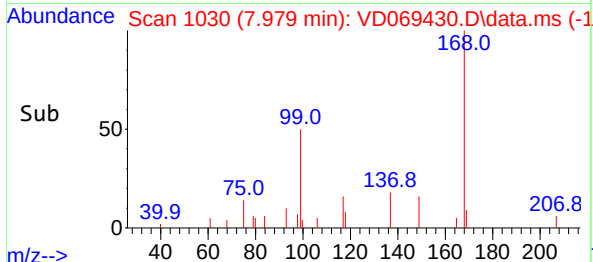
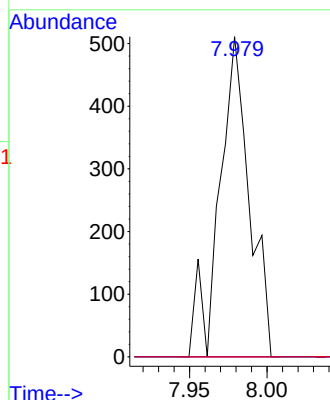
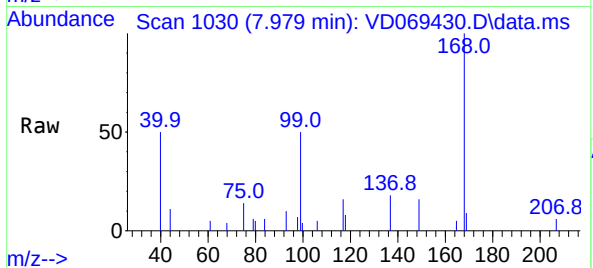




#36
1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

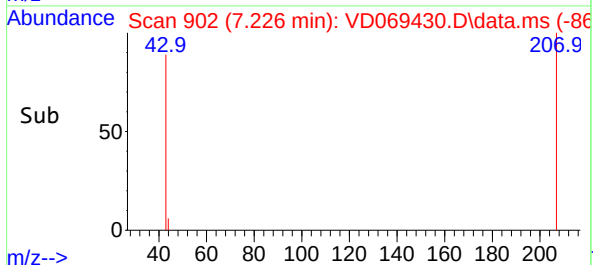
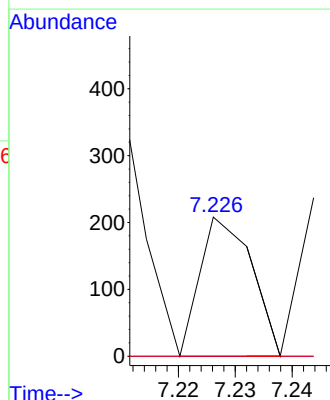
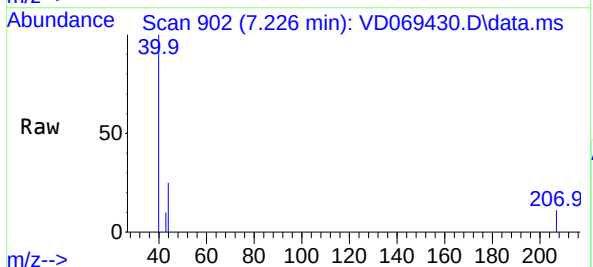
Instrument :
MSVOA_D
ClientSampled :

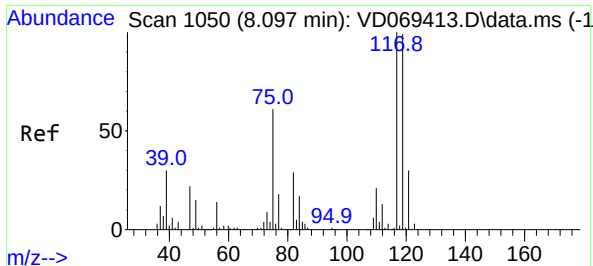
Tgt Ion: 75 Resp: 692
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.2#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.76 ug/l
RT: 7.226 min Scan# 902
Delta R.T. -0.065 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

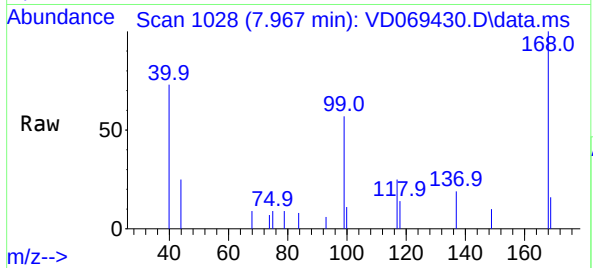
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 9.7 14.5#



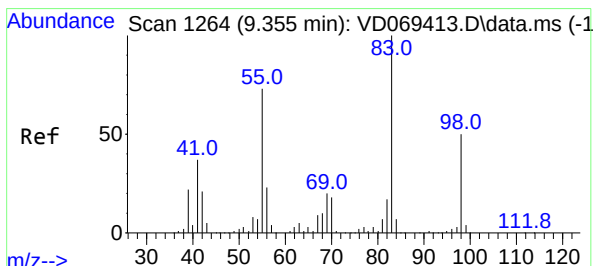
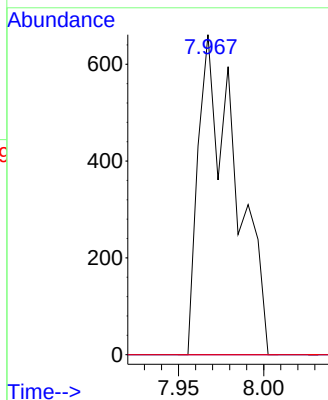
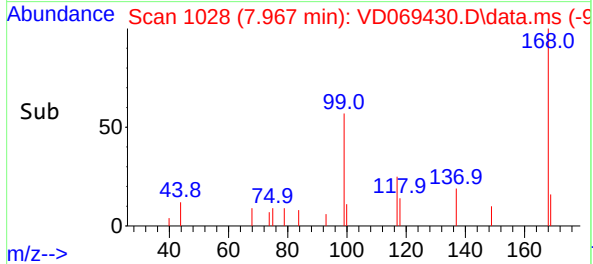


#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

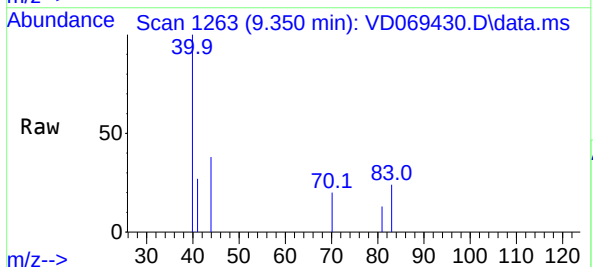
Instrument :
MSVOA_D
ClientSampleId :



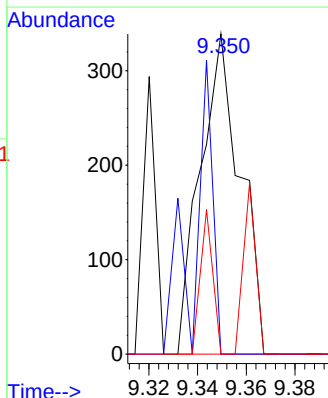
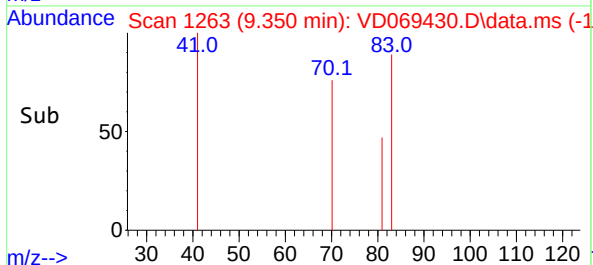
Tgt Ion:117 Resp: 1004
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.2#
121 0.0 26.1 39.1#

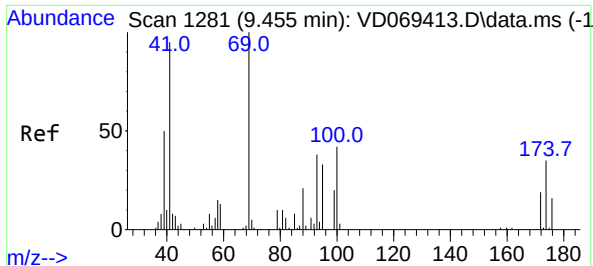


#39
Methylcyclohexane
Concen: 2.71 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48



Tgt Ion: 83 Resp: 387
Ion Ratio Lower Upper
83 100
55 0.0 57.4 86.2#
98 0.0 42.2 63.2#





#48

Methyl methacrylate

Concen: 1.47 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.058 min

Lab File: VD069430.D

Acq: 14 Jun 2021 16:48

Tgt Ion: 41 Resp: 60

Ion Ratio Lower Upper

41 100

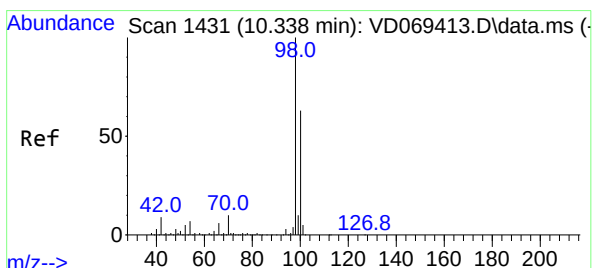
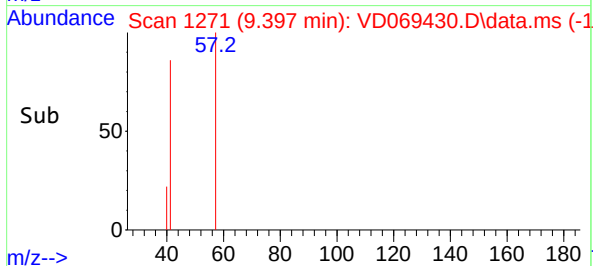
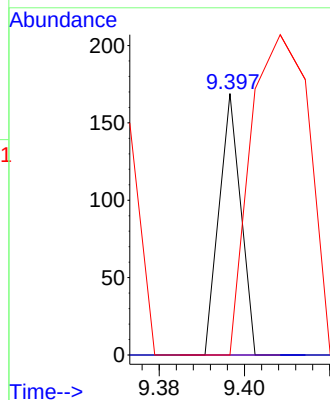
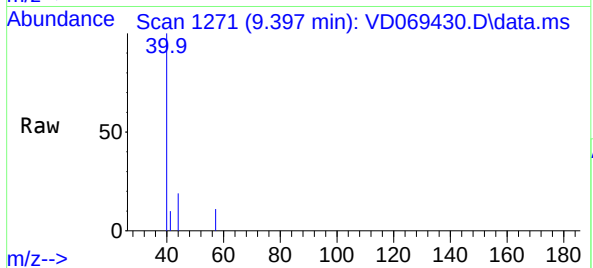
69 0.0 77.6 116.4#

39 328.3 45.3 67.9#

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 48.88 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069430.D

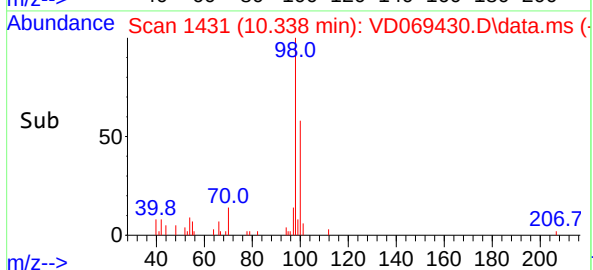
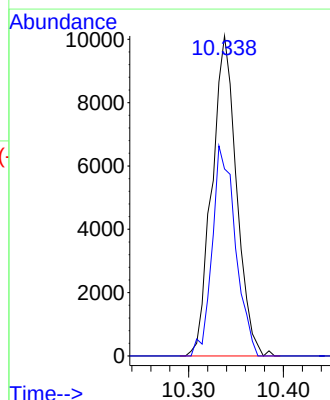
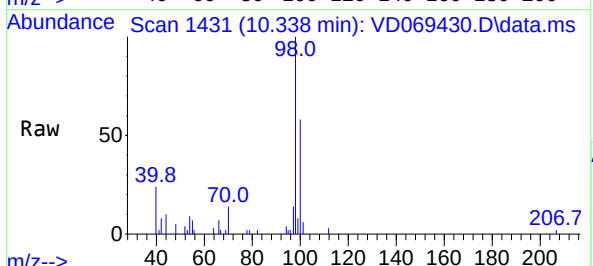
Acq: 14 Jun 2021 16:48

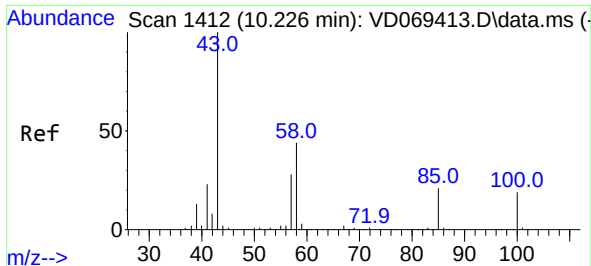
Tgt Ion: 98 Resp: 18245

Ion Ratio Lower Upper

98 100

100 61.9 52.1 78.1

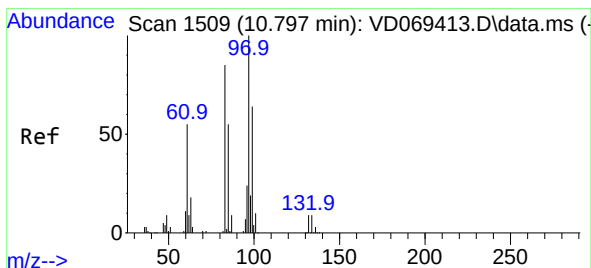
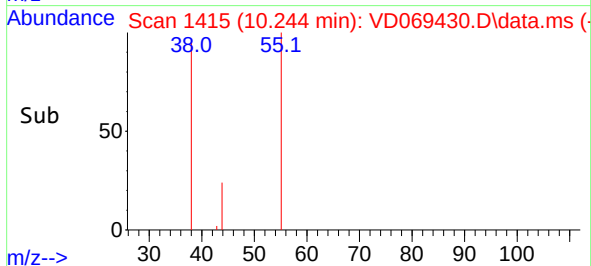
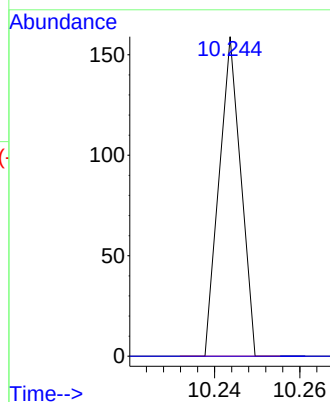
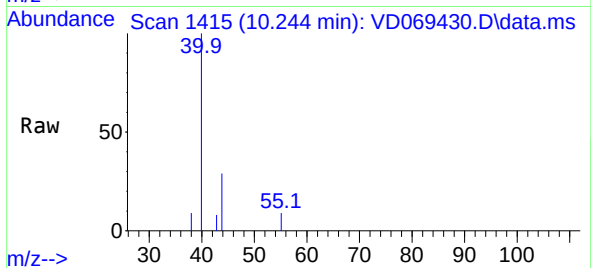




#51
4-Methyl-2-Pentanone
Concen: 1.22 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.018 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

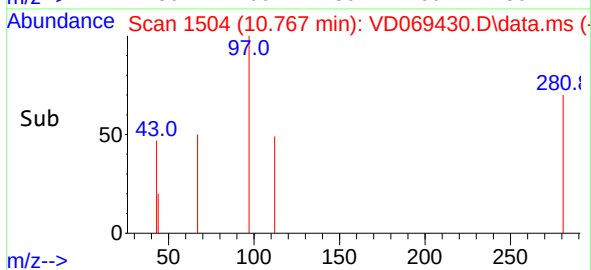
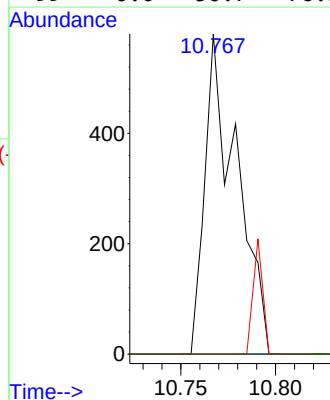
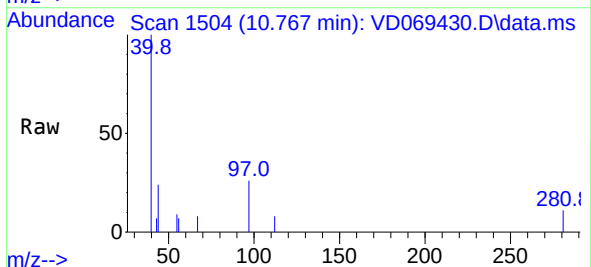
Instrument :
MSVOA_D
ClientSampled :

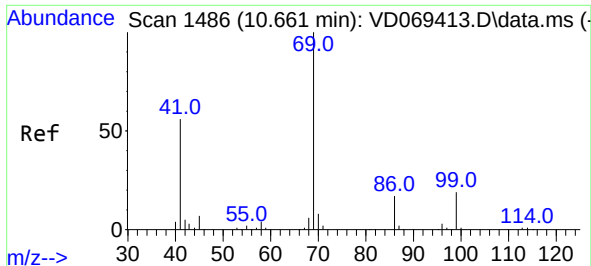
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#



#55
1,1,2-Trichloroethane
Concen: 8.44 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 97 Resp: 674
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.0#
85 0.0 44.5 66.7#
99 0.0 50.7 76.1#

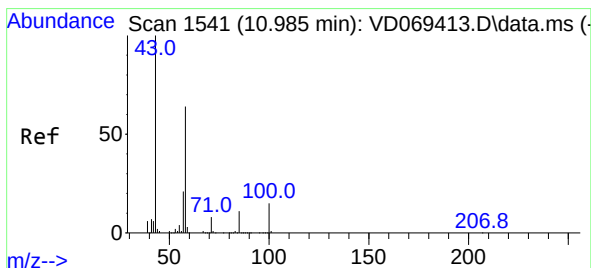
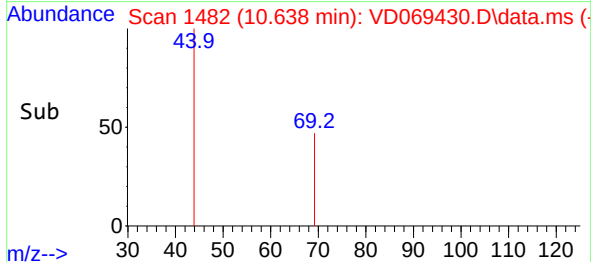
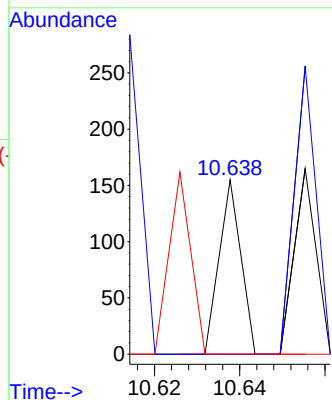
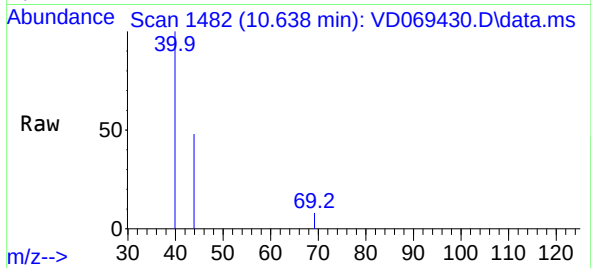




#56
Ethyl methacrylate
Concen: 3.39 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

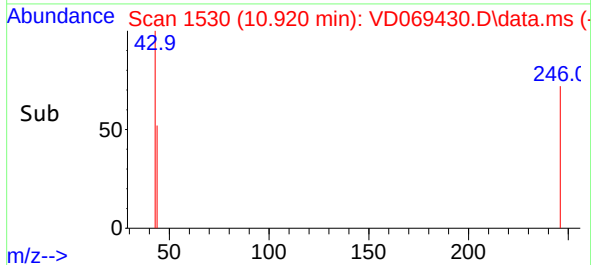
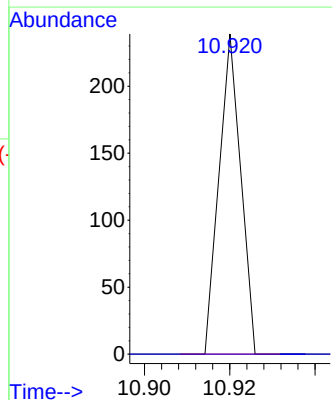
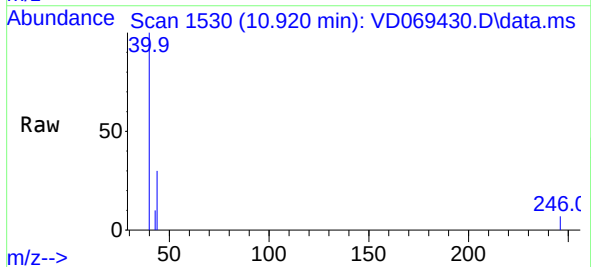
Instrument :
MSVOA_D
ClientSampleId :

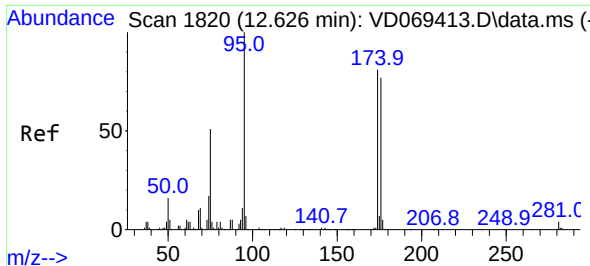
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 103.6 21.7 32.5#



#59
2-Hexanone
Concen: 2.75 ug/l
RT: 10.920 min Scan# 1530
Delta R.T. -0.065 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



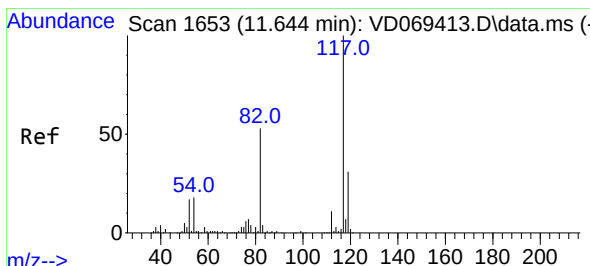
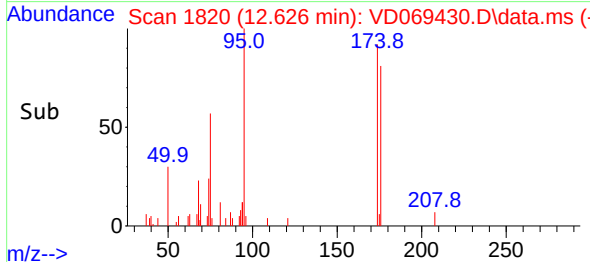
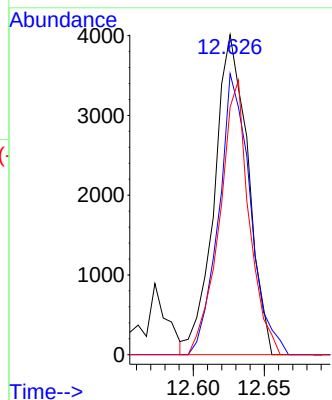
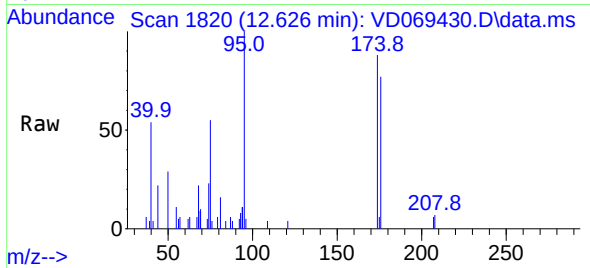


#62
4-Bromofluorobenzene
Concen: 55.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 6588

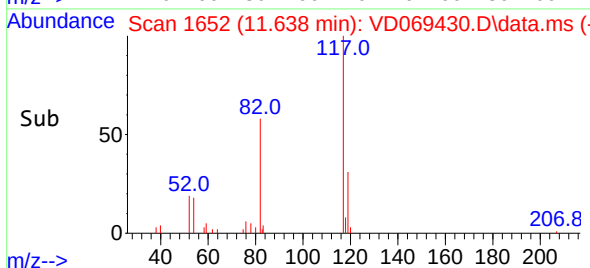
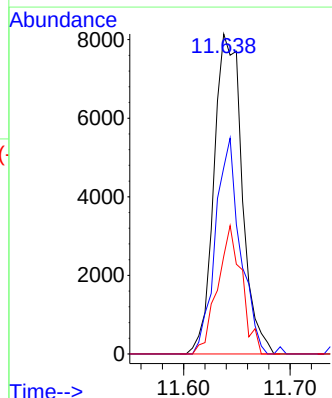
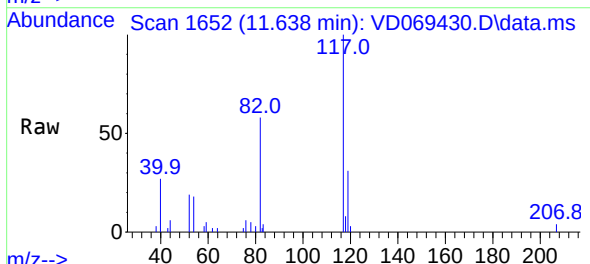
Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	162.8
176	75.3	0.0	154.4

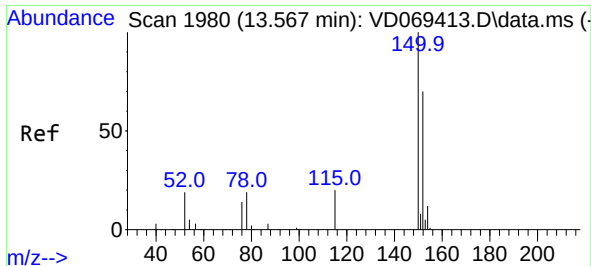


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

Tgt Ion: 117 Resp: 14878

Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.3	64.9
119	30.5	25.3	37.9

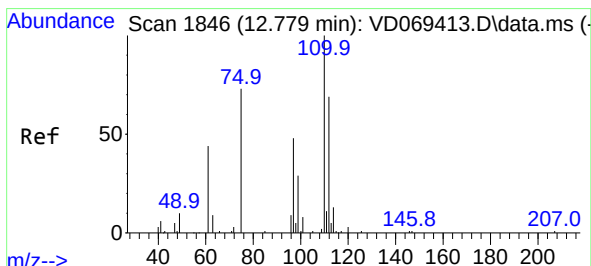
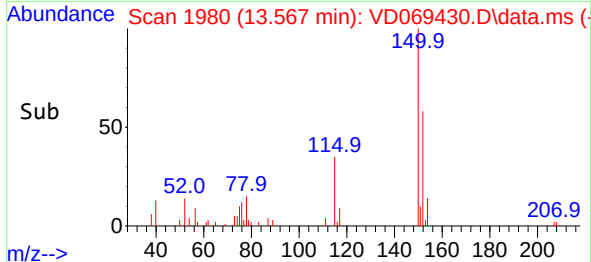
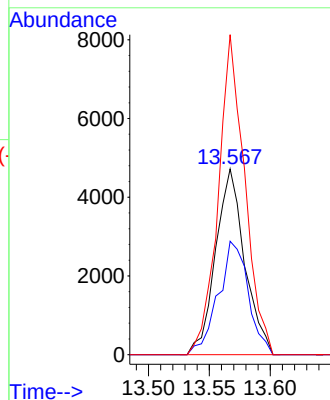
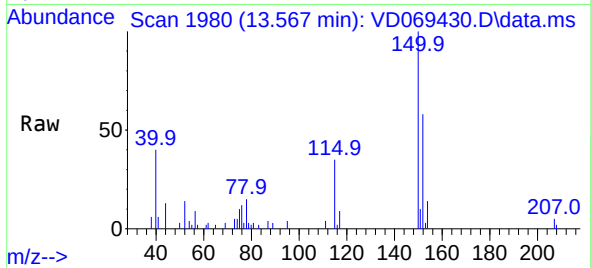




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

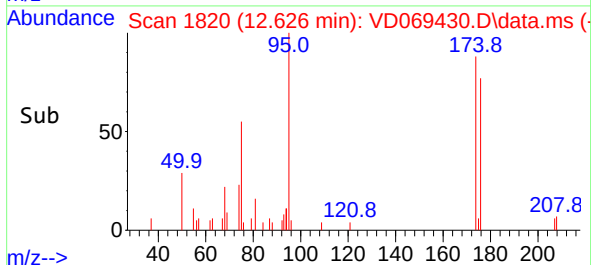
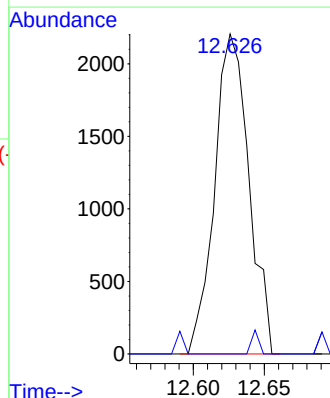
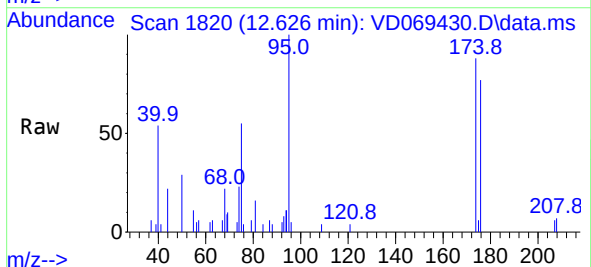
Instrument :
MSVOA_D
ClientSampled :

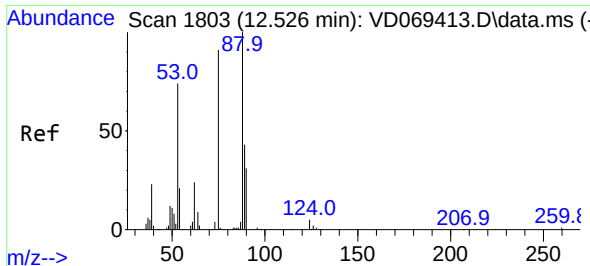
Tgt Ion:152 Resp: 7840
Ion Ratio Lower Upper
152 100
115 63.1 29.4 88.3
150 157.1 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 46.55 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

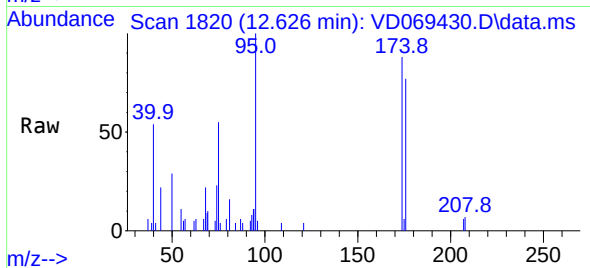
Tgt Ion: 75 Resp: 3700
Ion Ratio Lower Upper
75 100
77 1.6 183.8 551.2#



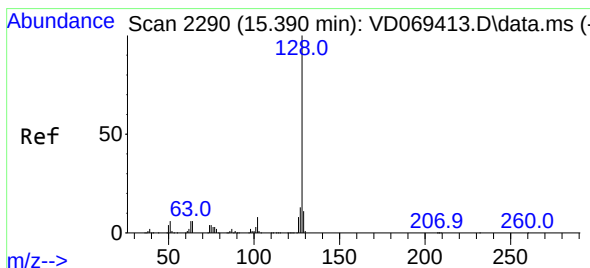
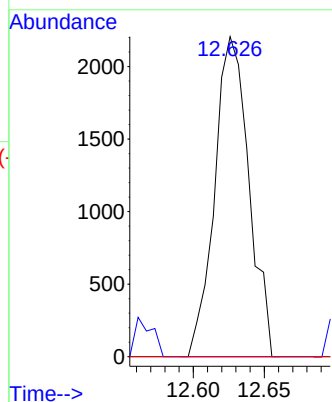
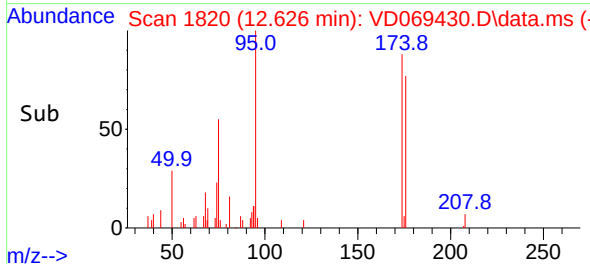


#81
trans-1,4-Dichloro-2-butene
Concen: 124.18 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48

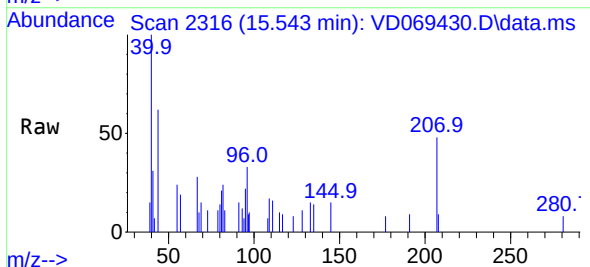
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 3700
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 3.86 ug/l
RT: 15.543 min Scan# 2316
Delta R.T. 0.153 min
Lab File: VD069430.D
Acq: 14 Jun 2021 16:48



Tgt Ion: 128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

