

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069429.D
 Acq On : 14 Jun 2021 16:20
 Operator : VA/SY
 Sample : M2709-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:28:08 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)

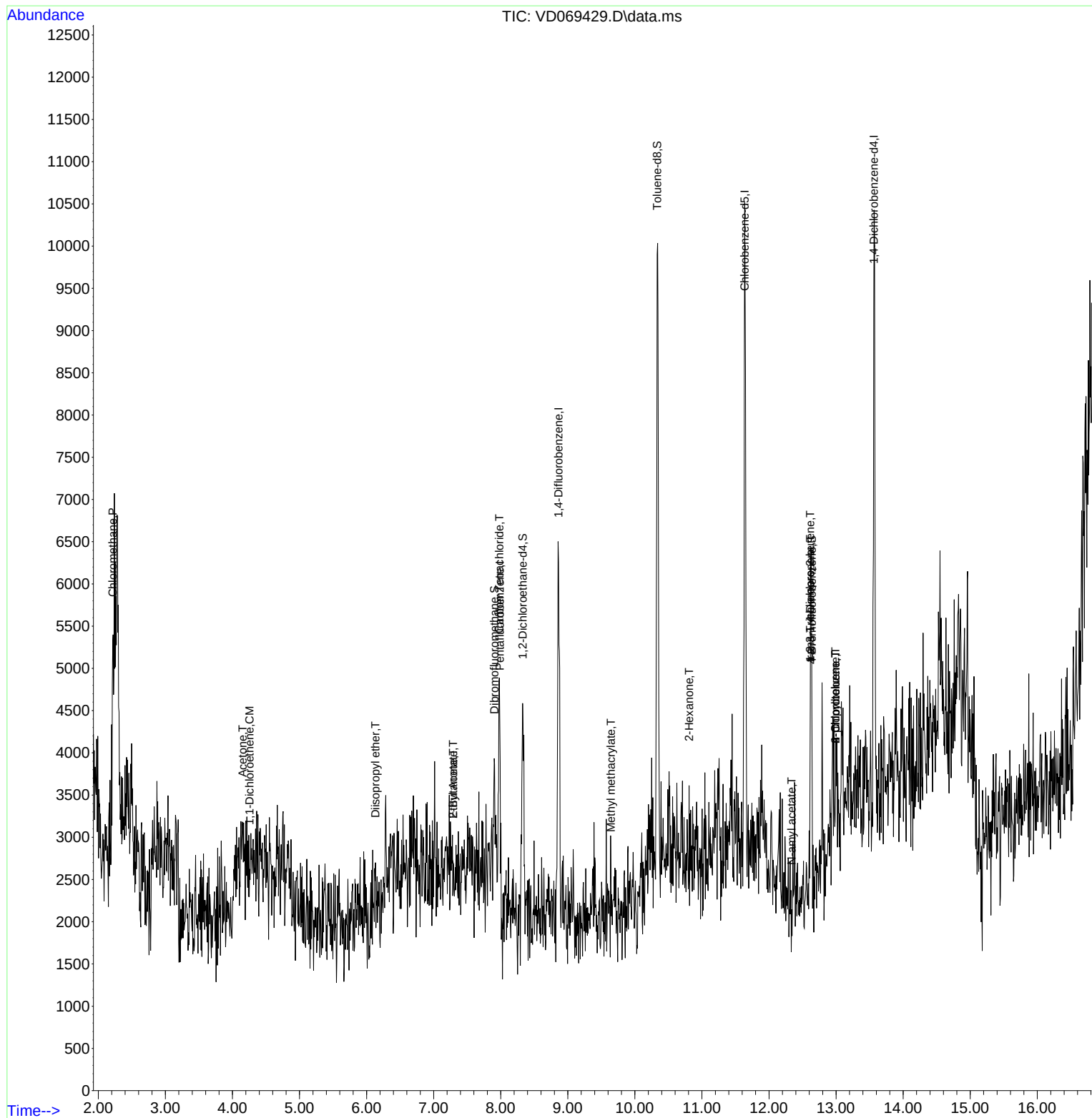
Internal Standards						
1) Pentafluorobenzene	7.985	168	2664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	4615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	5515	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	2014	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	2215	73.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	147.40%		
35) Dibromofluoromethane	7.903	113	1300	37.61	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.22%		
50) Toluene-d8	10.332	98	5522	43.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.36%		
62) 4-Bromofluorobenzene	12.638	95	1419	34.98	ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.96%		
Target Compounds						Qvalue
3) Chloromethane	2.215	50	221	8.32	ug/l #	41
12) 1,1-Dichloroethene	4.256	96	57	2.02	ug/l #	1
16) Acetone	4.150	43	353	70.96	ug/l #	40
20) Methylene Chloride	4.867	84	55	Below Cal	#	11
22) Diisopropyl ether	6.132	45	70	1.06	ug/l #	39
25) 2-Butanone	7.291	43	85	13.70	ug/l #	45
37) Ethyl Acetate	7.291	43	85	5.29	ug/l #	67
38) Carbon Tetrachloride	7.979	117	65	1.25	ug/l #	11
48) Methyl methacrylate	9.644	41	55	3.98	ug/l #	9
59) 2-Hexanone	10.808	43	88	8.50	ug/l #	20
74) N-amyl acetate	12.338	43	75	2.95	ug/l #	37
76) 1,2,3-Trichloropropane	12.614	75	530	25.96	ug/l #	1
78) n-propylbenzene	12.991	91	210	1.21	ug/l #	52
79) 2-Chlorotoluene	12.991	91	210	2.13	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.614	75	530	69.25	ug/l #	18
82) 4-Chlorotoluene	12.991	91	210	2.00	ug/l #	40

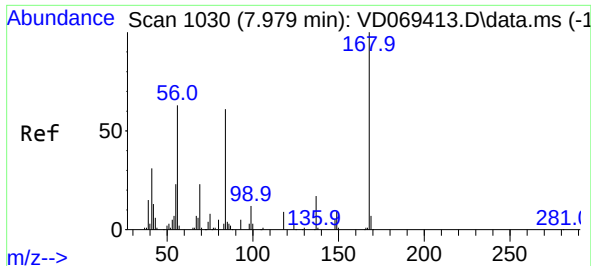
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Jun 15 07:28:08 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

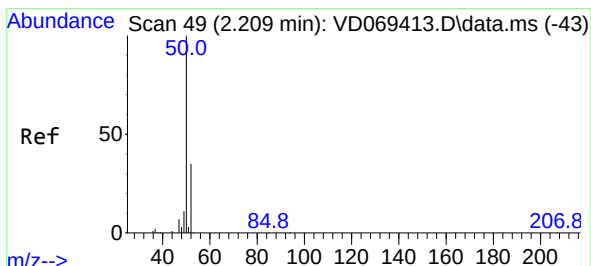
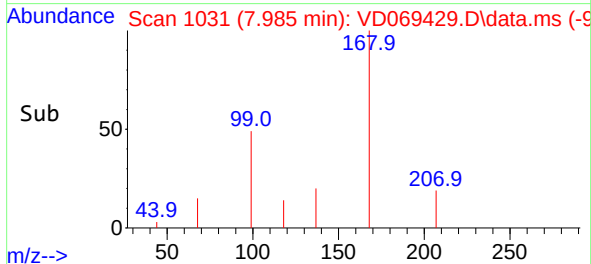
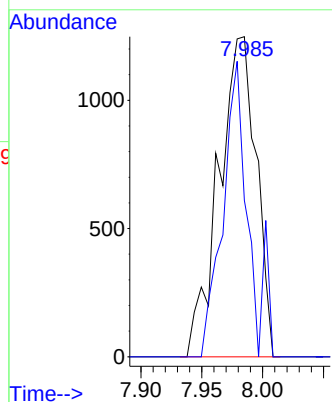
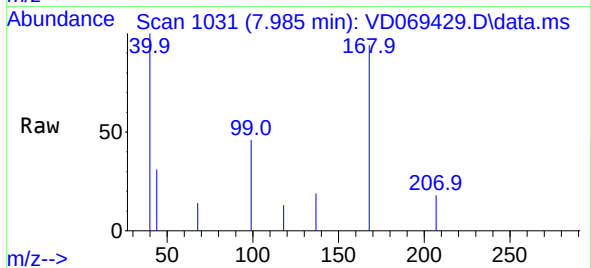




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

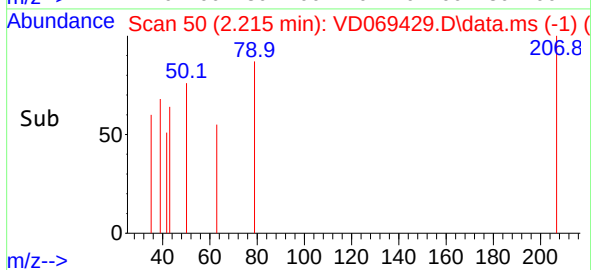
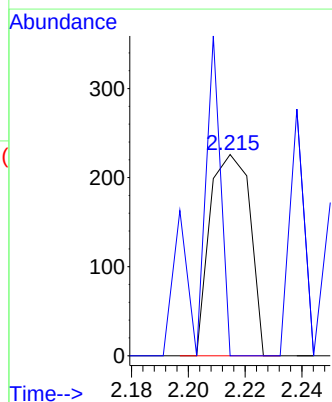
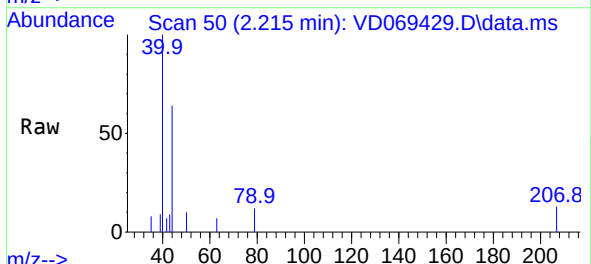
Instrument :
MSVOA_D
ClientSampled :

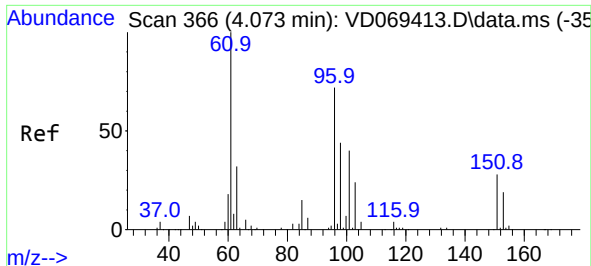
Tgt Ion:168 Resp: 2664
Ion Ratio Lower Upper
168 100
99 48.9 46.2 69.2



#3
Chloromethane
Concen: 8.32 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

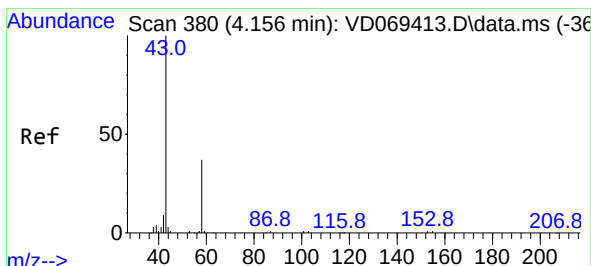
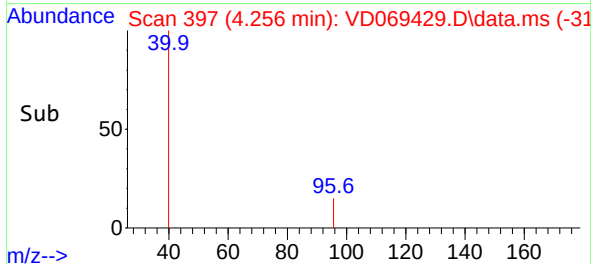
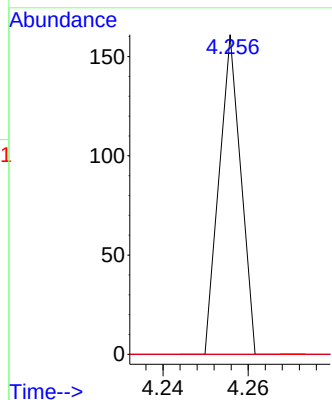
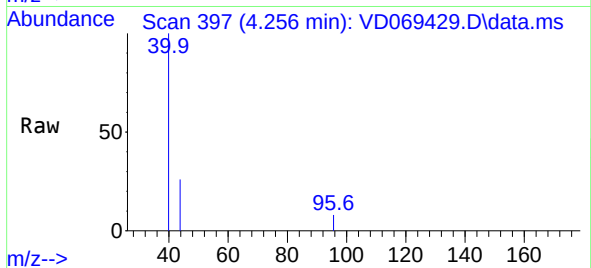




#12
1,1-Dichloroethene
Concen: 2.02 ug/l
RT: 4.256 min Scan# 397
Delta R.T. 0.183 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

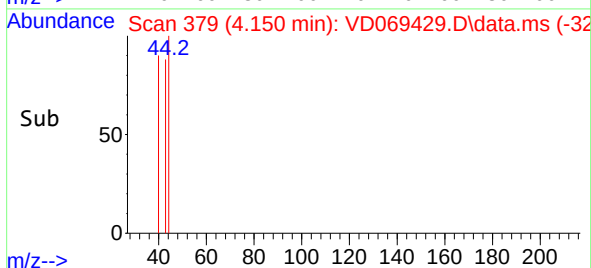
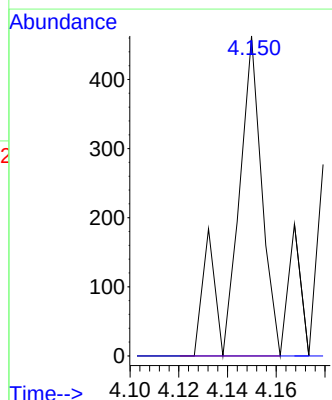
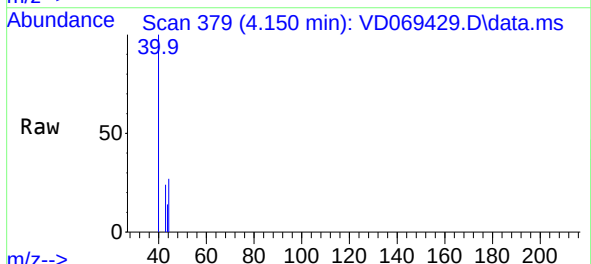
Instrument :
MSVOA_D
ClientSampleId :

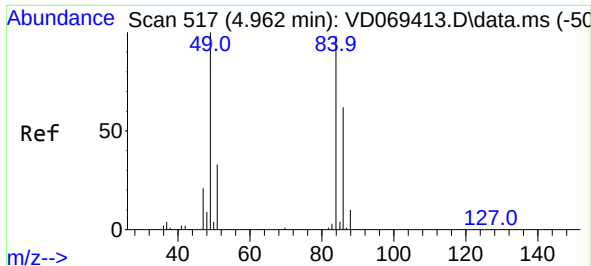
Tgt Ion: 96 Resp: 57
Ion Ratio Lower Upper
96 100
61 0.0 116.5 174.7#
98 0.0 50.8 76.2#



#16
Acetone
Concen: 70.96 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

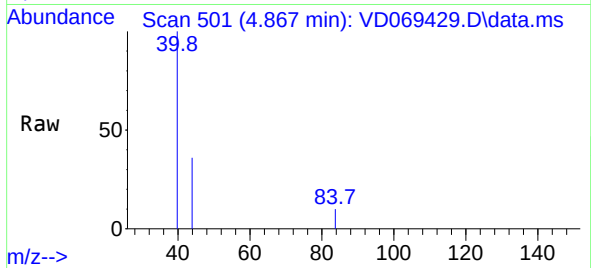
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



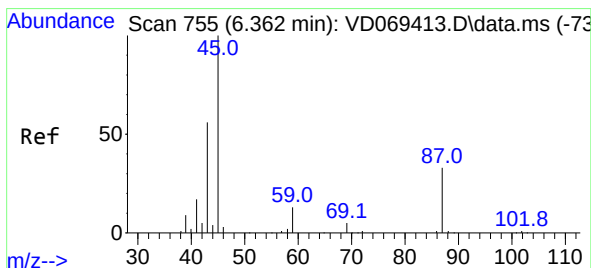
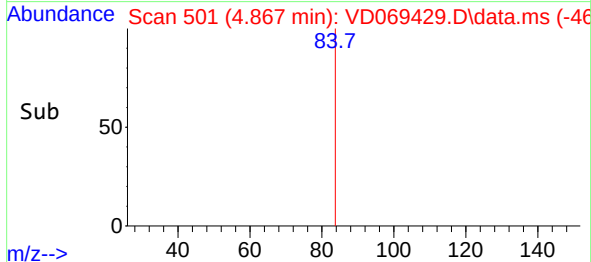
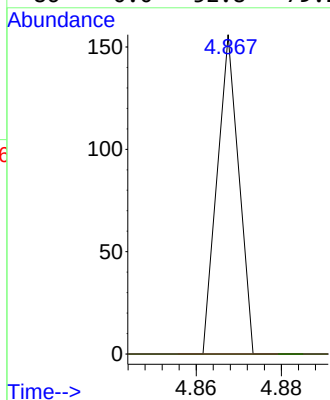


#20
Methylene Chloride
Concen: Below Cal
RT: 4.867 min Scan# 501
Delta R.T. -0.095 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

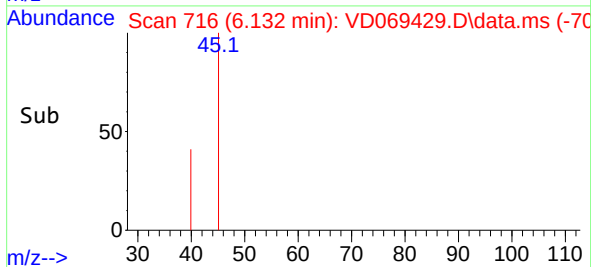
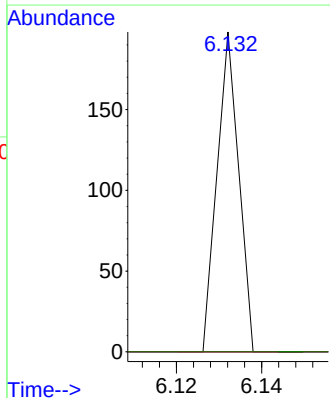
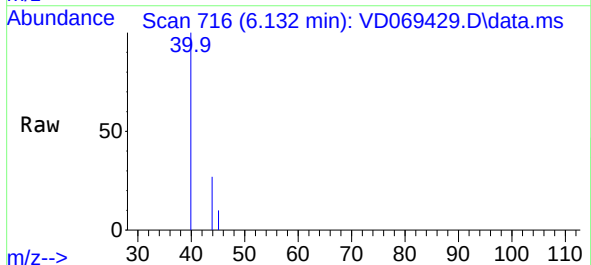


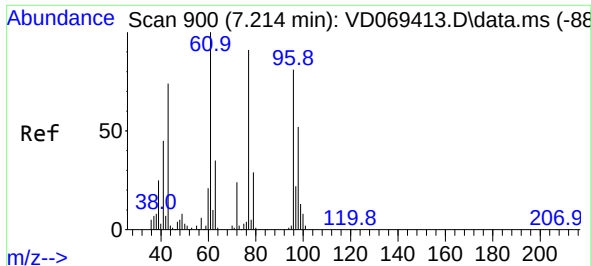
Tgt Ion: 84 Resp: 55
Ion Ratio Lower Upper
84 100
49 0.0 83.7 125.5#
51 0.0 26.4 39.6#
86 0.0 52.8 79.2#



#22
Diisopropyl ether
Concen: 1.06 ug/l
RT: 6.132 min Scan# 716
Delta R.T. -0.230 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 45 Resp: 70
Ion Ratio Lower Upper
45 100
43 0.0 38.7 58.1#
87 0.0 25.6 38.4#
59 0.0 9.2 13.8#

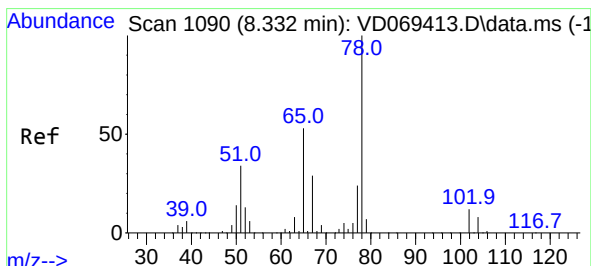
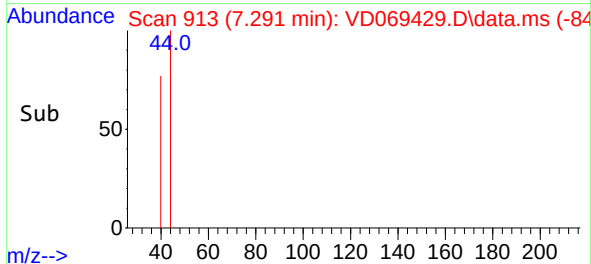
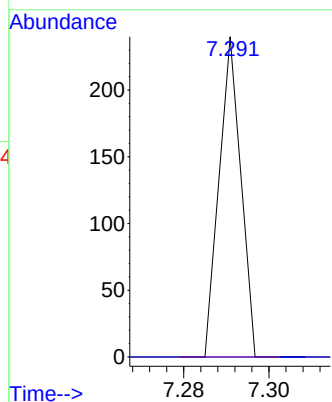
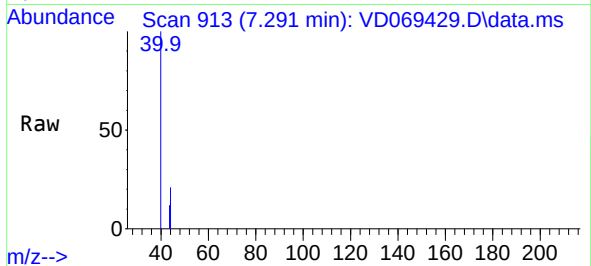




#25
2-Butanone
Concen: 13.70 ug/l
RT: 7.291 min Scan# 913
Delta R.T. 0.077 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

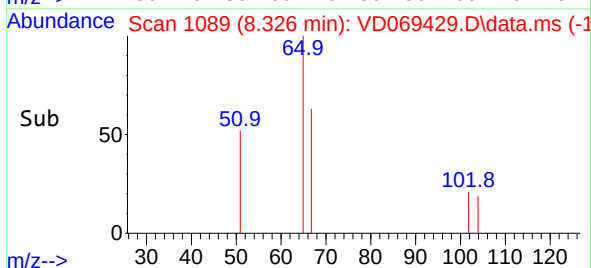
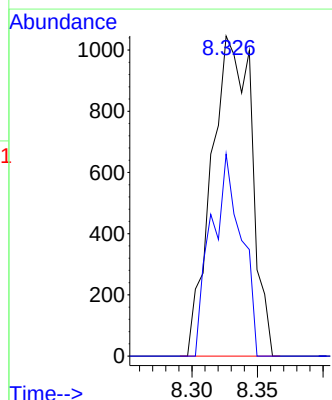
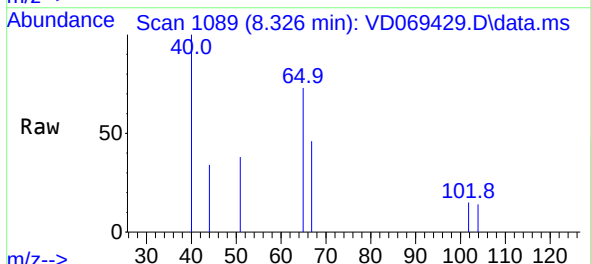
Instrument :
MSVOA_D
ClientSampleId :

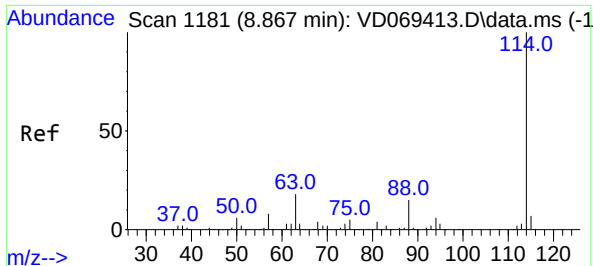
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 73.70 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 65 Resp: 2215
Ion Ratio Lower Upper
65 100
67 47.7 0.0 105.8

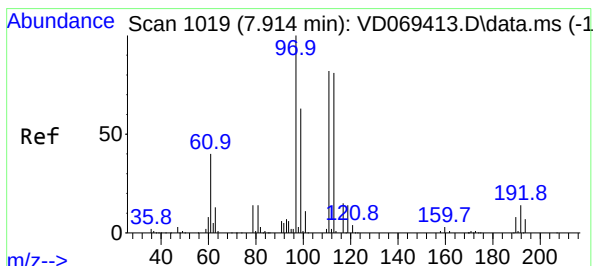
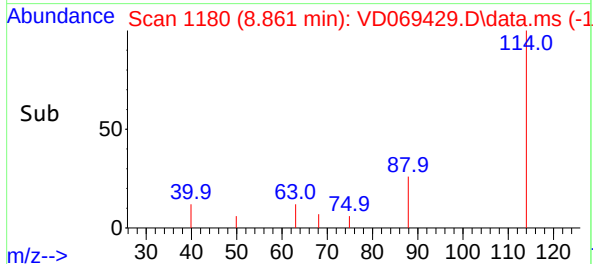
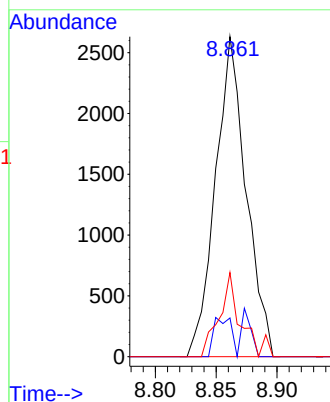
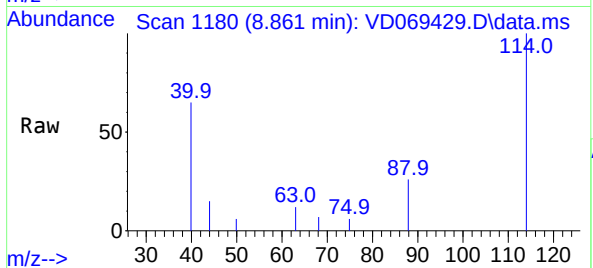




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

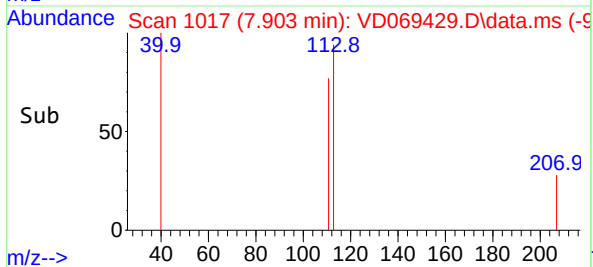
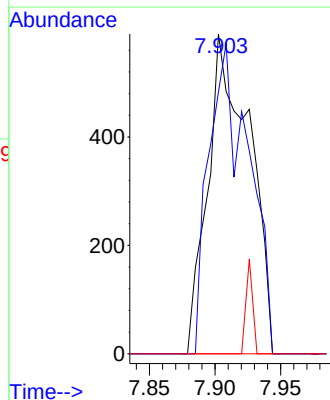
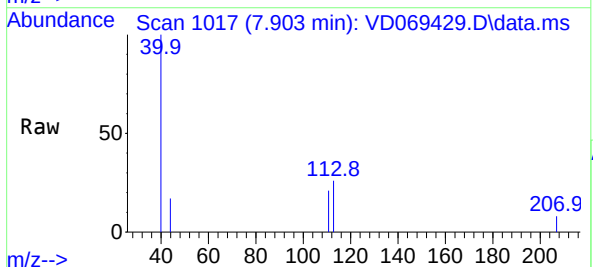
Instrument :
MSVOA_D
ClientSampleId :

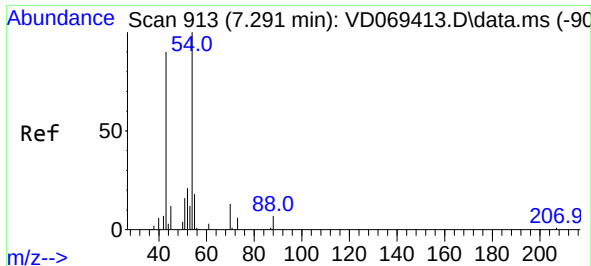
Tgt Ion:	114	Resp:	4615
Ion	Ratio	Lower	Upper
114	100		
63	12.1	0.0	35.6
88	26.3	0.0	31.2



#35
Dibromofluoromethane
Concen: 37.61 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.011 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

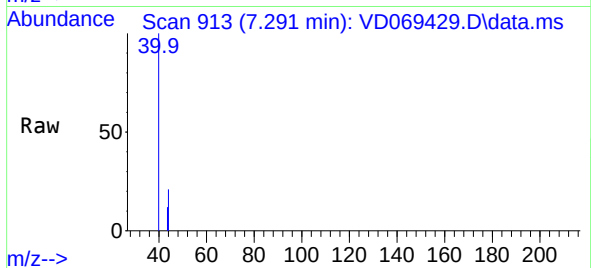
Tgt Ion:	113	Resp:	1300
Ion	Ratio	Lower	Upper
113	100		
111	93.2	83.0	124.6
192	0.0	15.1	22.7#



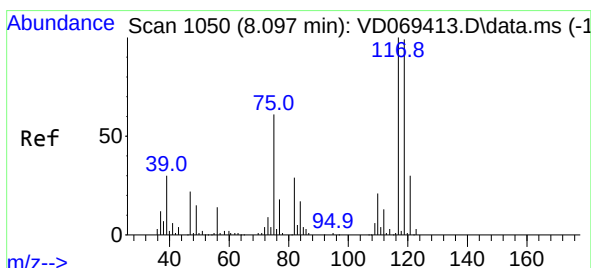
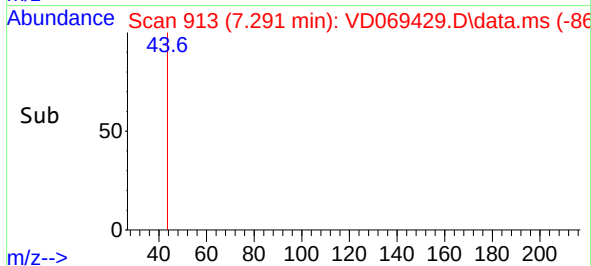
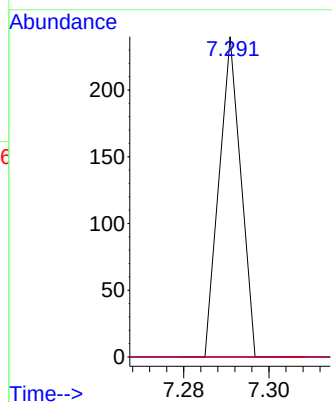


#37
Ethyl Acetate
Concen: 5.29 ug/l
RT: 7.291 min Scan# 913
Delta R.T. -0.000 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_D
ClientSampled :

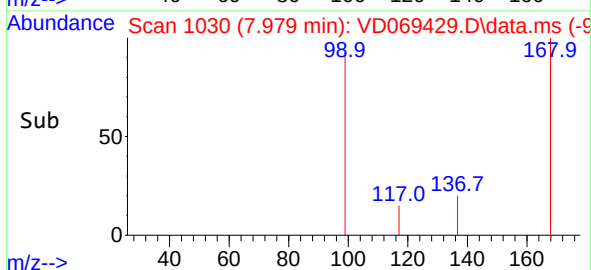
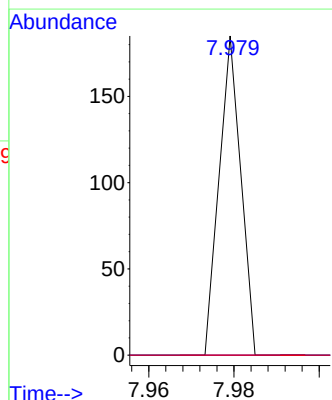
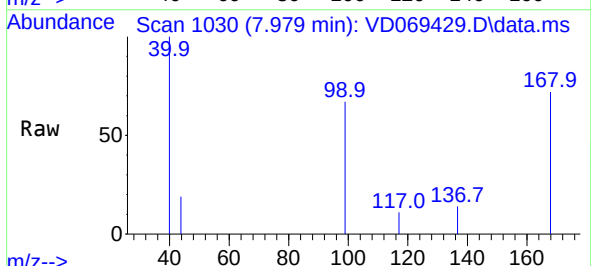


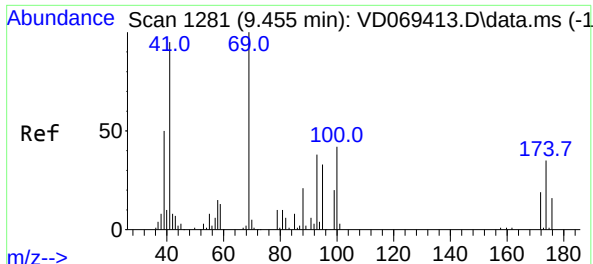
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 1.25 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 117 Resp: 65
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.2#
121 0.0 26.1 39.1#

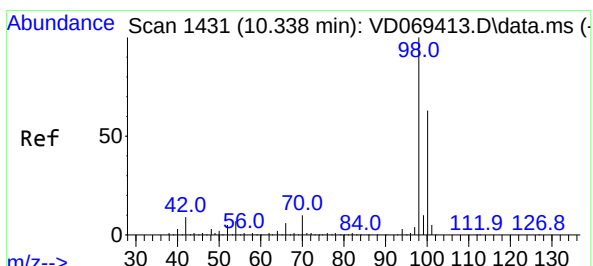
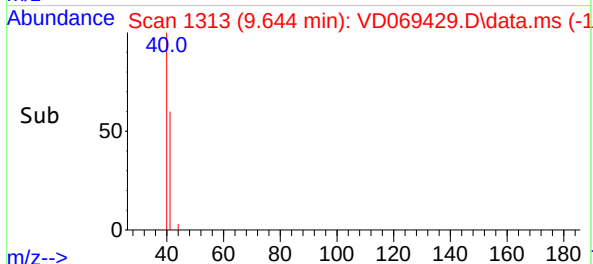
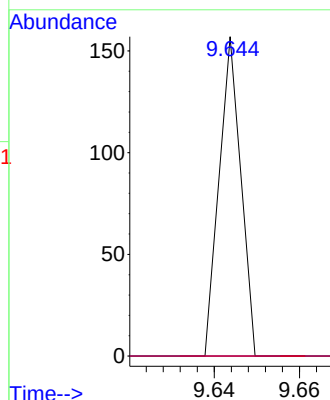
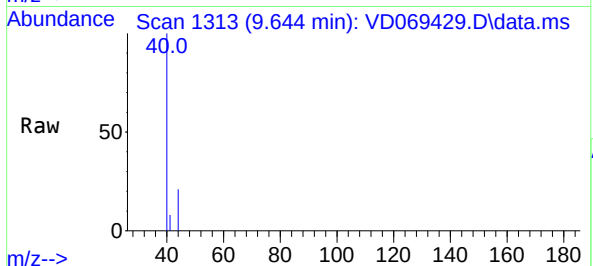




#48
Methyl methacrylate
Concen: 3.98 ug/l
RT: 9.644 min Scan# 1313
Delta R.T. 0.189 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

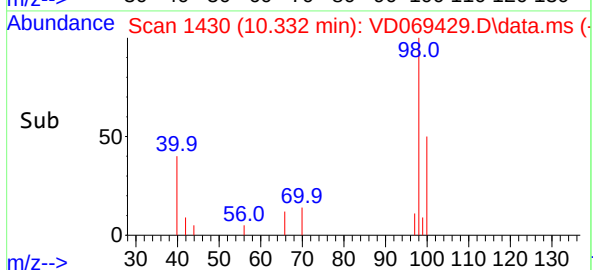
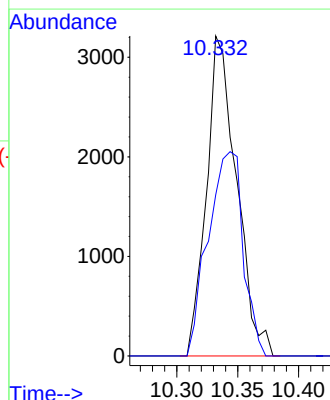
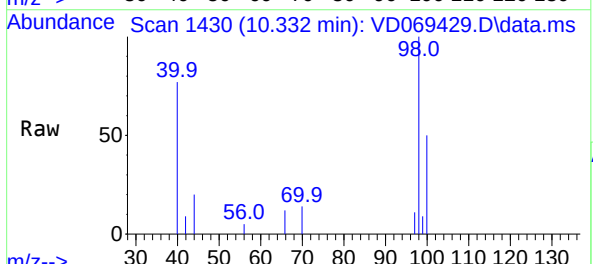
Instrument :
MSVOA_D
ClientSampleId :

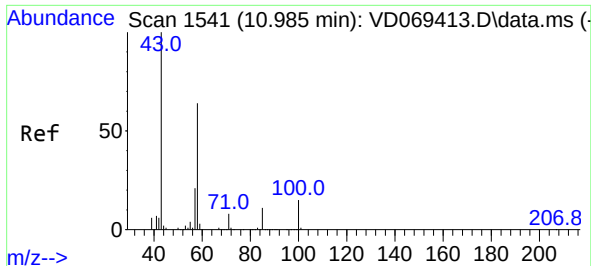
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 77.6 116.4#
39 0.0 45.3 67.9#



#50
Toluene-d8
Concen: 43.68 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 98 Resp: 5522
Ion Ratio Lower Upper
98 100
100 74.2 52.1 78.1

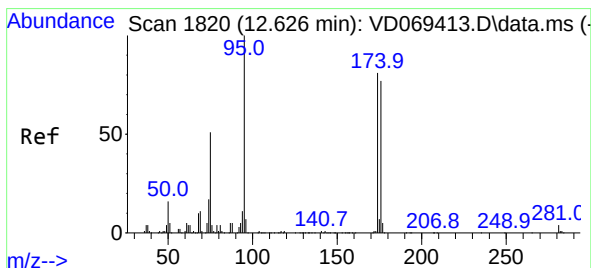
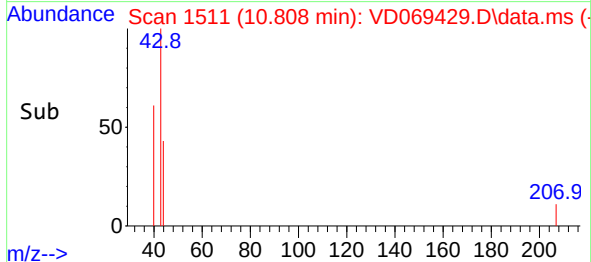
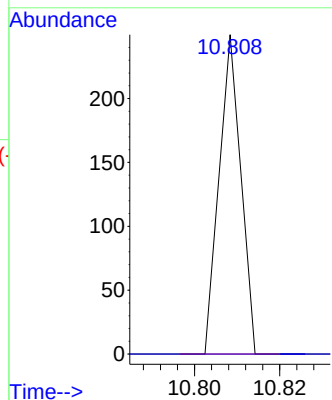
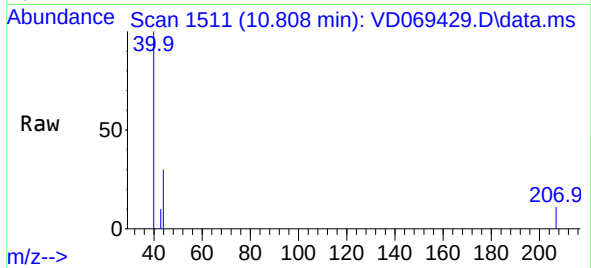




#59
2-Hexanone
Concen: 8.50 ug/l
RT: 10.808 min Scan# 1511
Delta R.T. -0.177 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

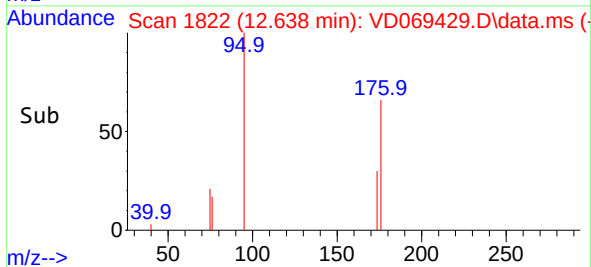
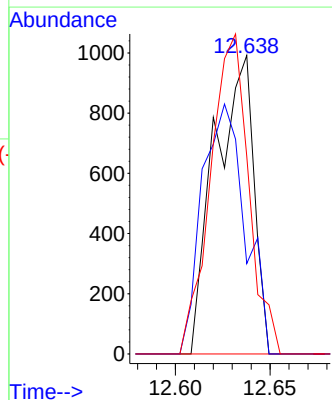
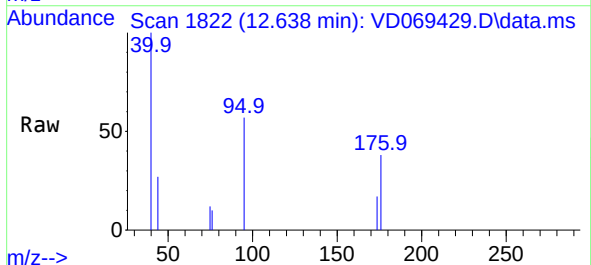
Instrument :
MSVOA_D
ClientSampleId :

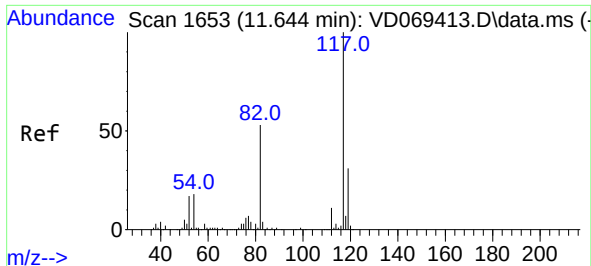
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 34.98 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.012 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 95 Resp: 1419
Ion Ratio Lower Upper
95 100
174 92.2 0.0 162.8
176 105.2 0.0 154.4

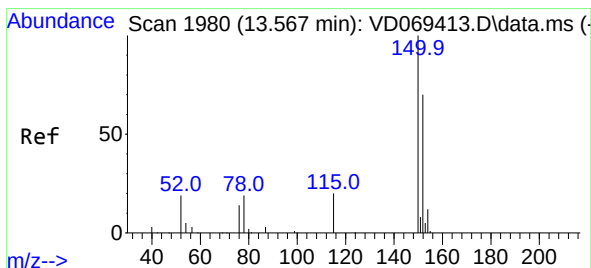
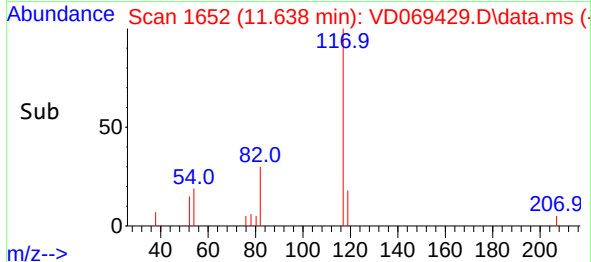
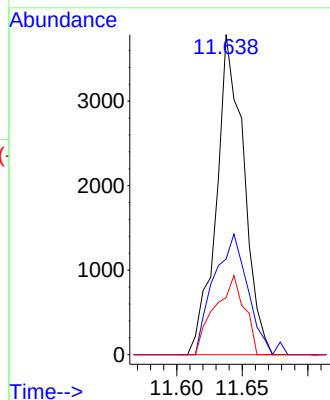
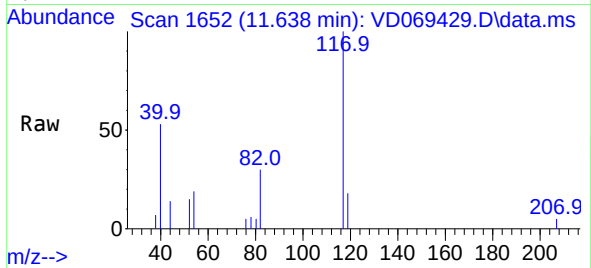




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

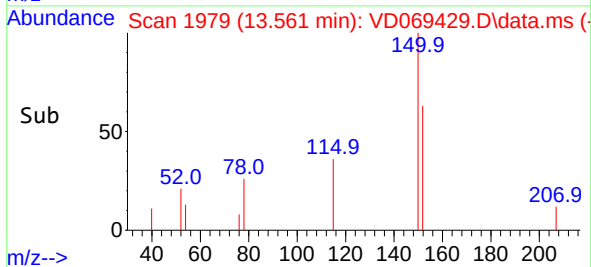
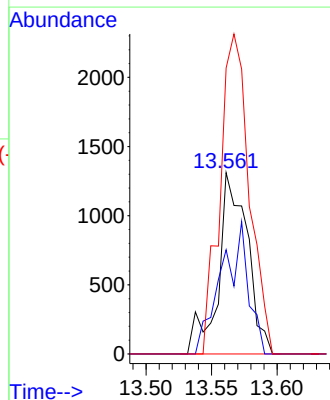
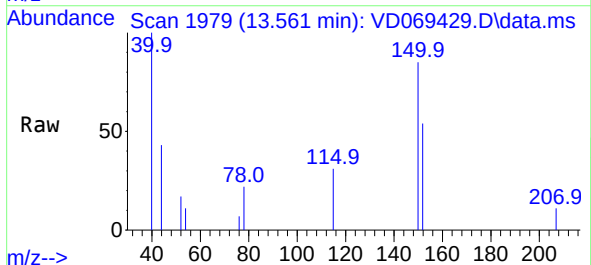
Instrument :
MSVOA_D
ClientSampleId :

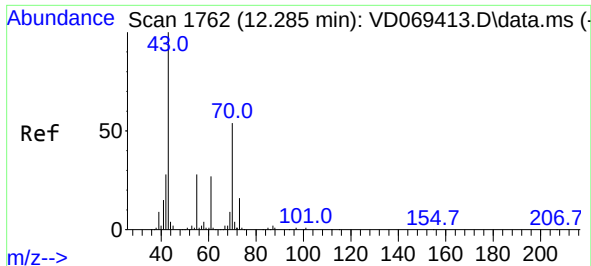
Tgt Ion:	117	Resp:	5515
Ion	Ratio	Lower	Upper
117	100		
82	29.9	43.3	64.9#
119	17.8	25.3	37.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

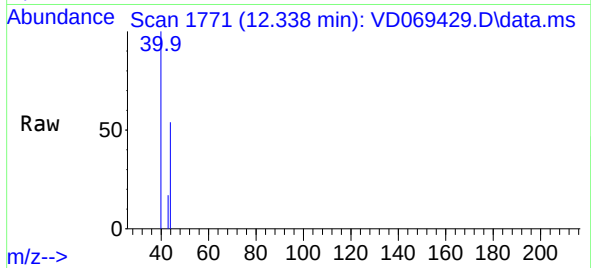
Tgt Ion:	152	Resp:	2014
Ion	Ratio	Lower	Upper
152	100		
115	67.9	29.4	88.3
150	178.8	0.0	355.0



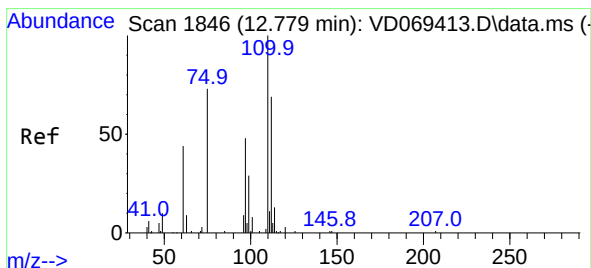
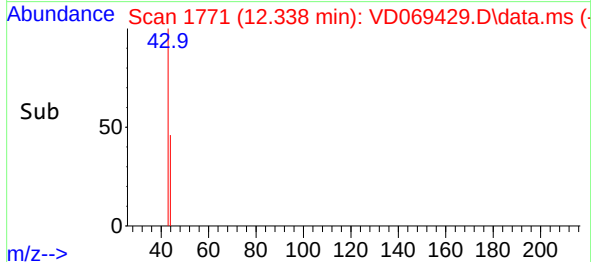
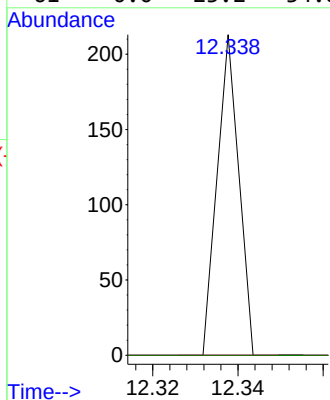


#74
N-amy1 acetate
Concen: 2.95 ug/l
RT: 12.338 min Scan# 1771
Delta R.T. 0.053 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

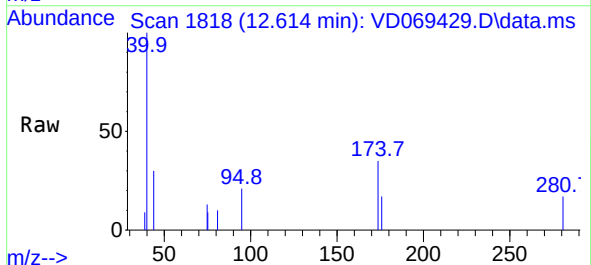
Instrument :
MSVOA_D
ClientSampleId :



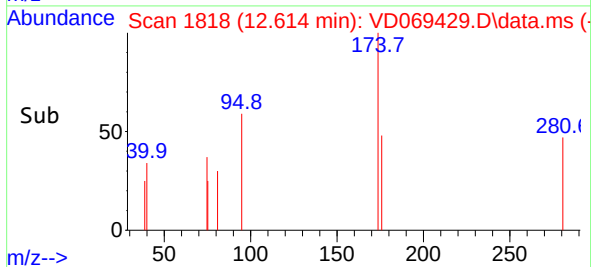
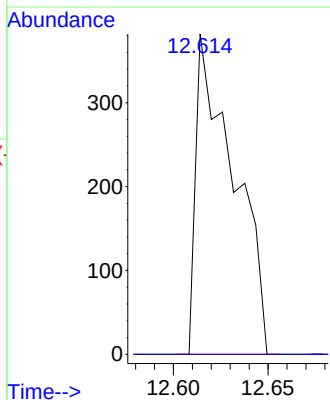
Tgt Ion: 43	Resp: 75
Ion Ratio	Lower Upper
43 100	
70 0.0	40.9 61.3#
55 0.0	23.4 35.0#
61 0.0	23.2 34.8#

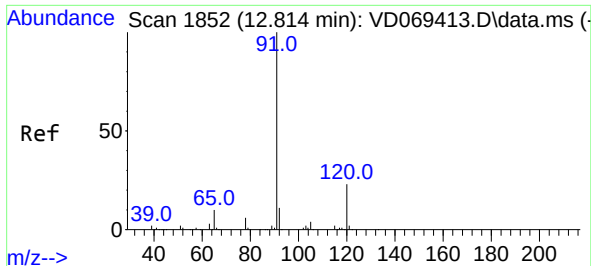


#76
1,2,3-Trichloropropane
Concen: 25.96 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.165 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20



Tgt Ion: 75	Resp: 530
Ion Ratio	Lower Upper
75 100	
77 0.0	183.8 551.2#

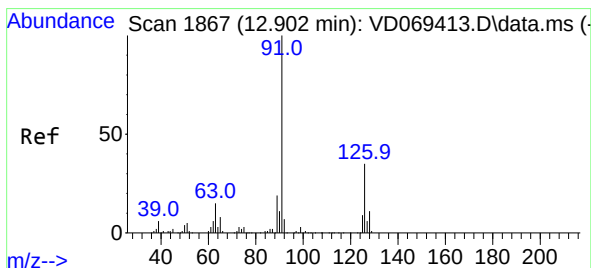
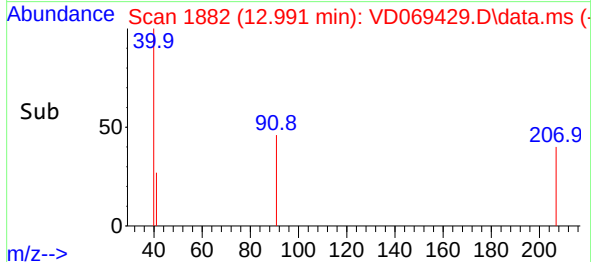
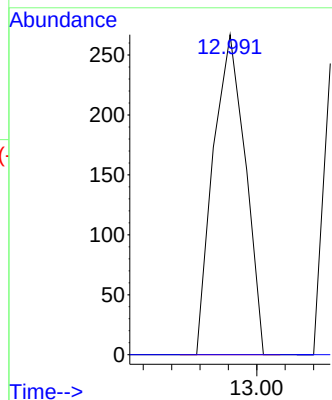
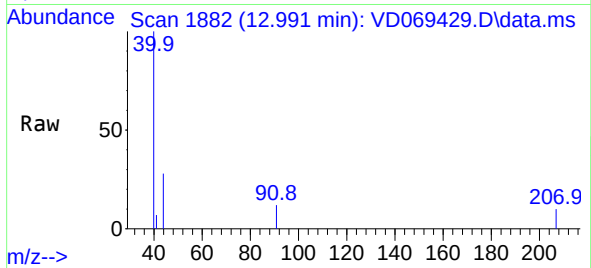




#78
n-propylbenzene
Concen: 1.21 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.177 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

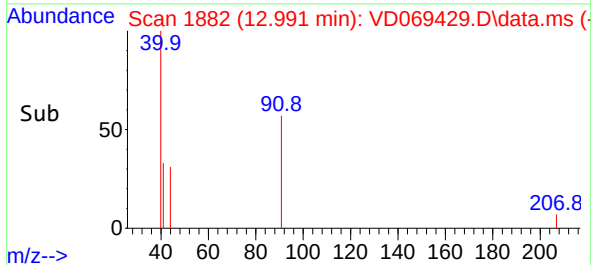
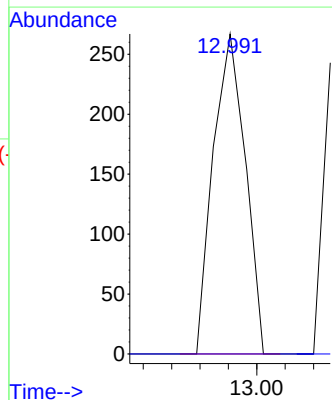
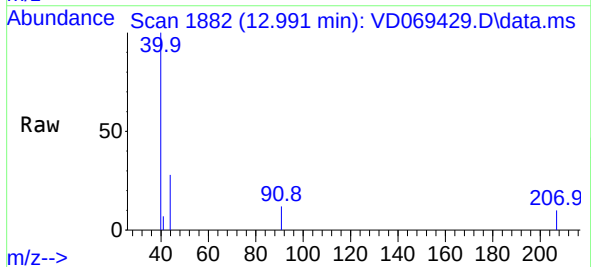
Instrument :
MSVOA_D
ClientSampleId :

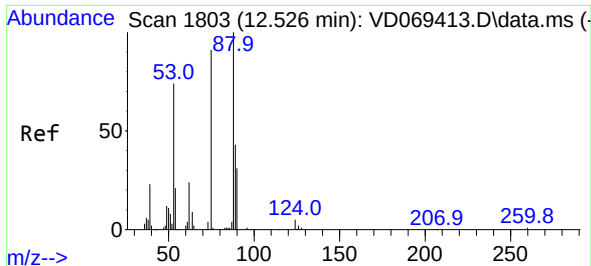
Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#



#79
2-Chlorotoluene
Concen: 2.13 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.089 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

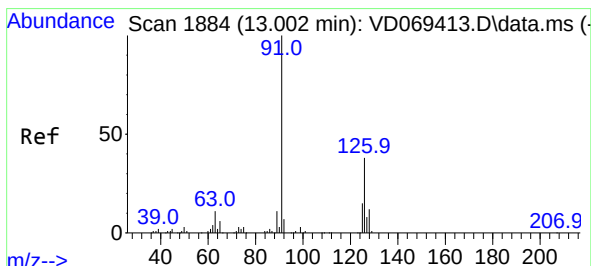
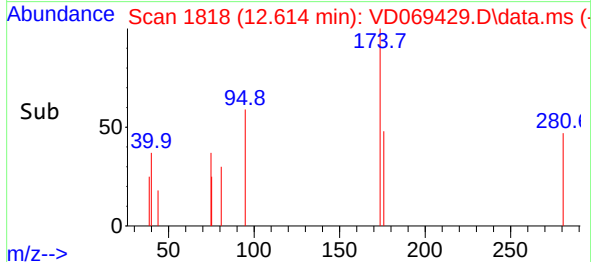
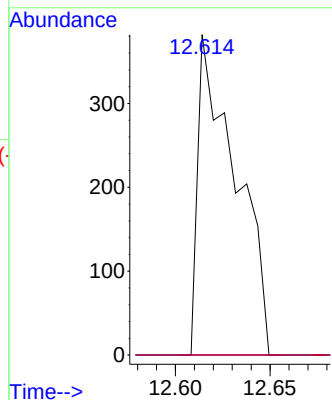
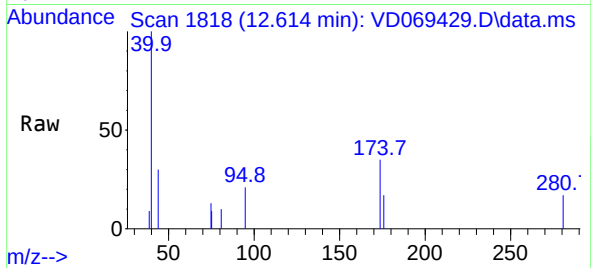




#81
trans-1,4-Dichloro-2-butene
Concen: 69.25 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.088 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 530
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 35.6 53.4#



#82
4-Chlorotoluene
Concen: 2.00 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. -0.011 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#

