

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 :
 0228-COMPOSITE-E

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)

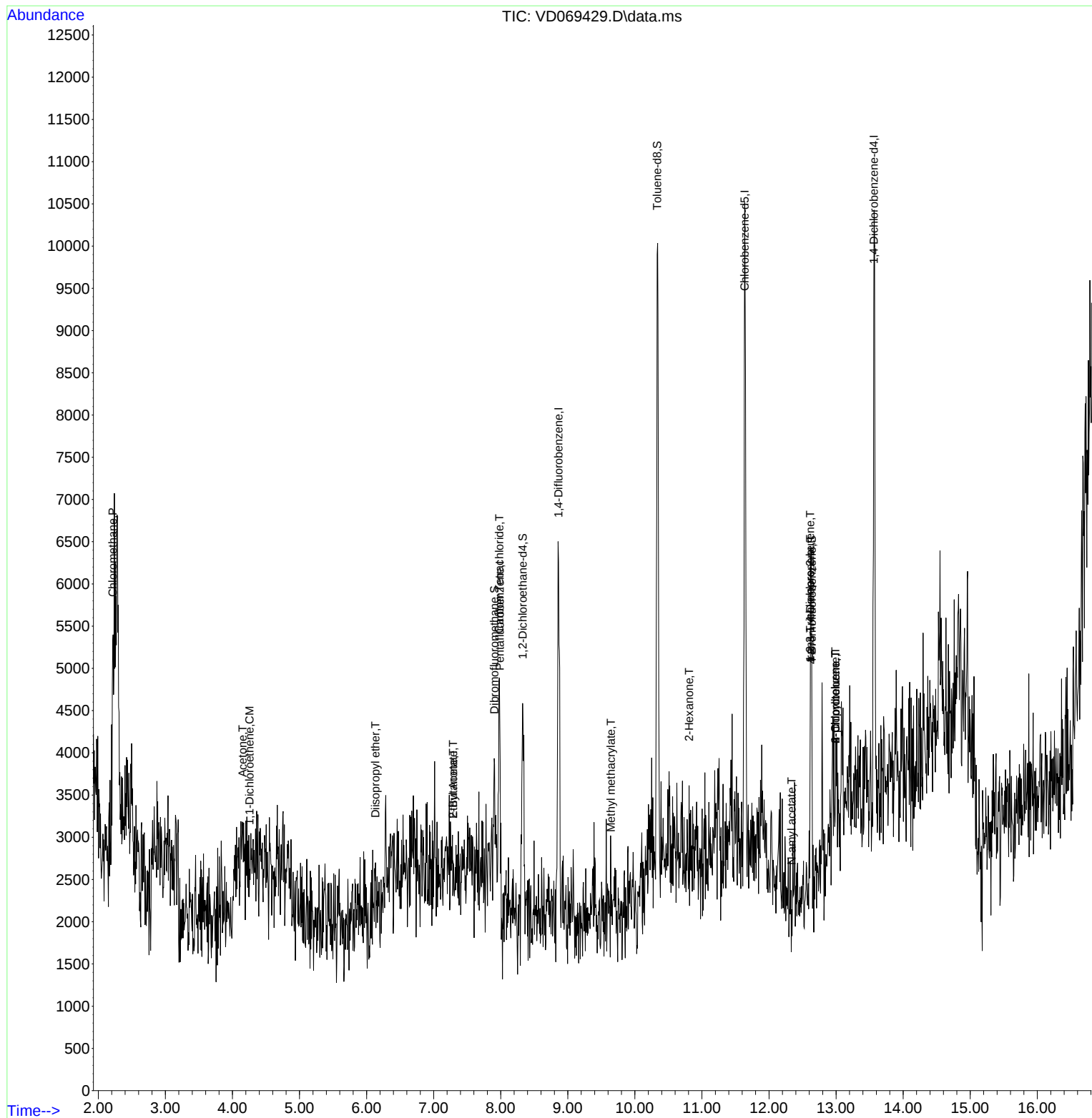
Internal Standards						
1) Pentafluorobenzene	7.985	168	2664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	4615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	5515	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	2014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	2215	73.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.400%
35) Dibromofluoromethane	7.903	113	1300	37.609	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.220%
50) Toluene-d8	10.332	98	5522	43.678	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.360%
62) 4-Bromofluorobenzene	12.638	95	1419	34.981	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	221	8.324	ug/l #	41
12) 1,1-Dichloroethene	4.256	96	57	2.017	ug/l #	1
16) Acetone	4.150	43	353	70.960	ug/l #	40
20) Methylene Chloride	4.867	84	55	Below Cal	#	11
22) Diisopropyl ether	6.132	45	70	1.059	ug/l #	39
25) 2-Butanone	7.291	43	85	13.703	ug/l #	45
37) Ethyl Acetate	7.291	43	85	5.287	ug/l #	67
38) Carbon Tetrachloride	7.979	117	65	1.249	ug/l #	11
48) Methyl methacrylate	9.644	41	55	3.978	ug/l #	9
59) 2-Hexanone	10.808	43	88	8.500	ug/l #	20
74) N-amyl acetate	12.338	43	75	2.953	ug/l #	37
76) 1,2,3-Trichloropropane	12.614	75	530	25.957	ug/l #	1
78) n-propylbenzene	12.991	91	210	1.209	ug/l #	52
79) 2-Chlorotoluene	12.991	91	210	2.126	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.614	75	530	69.246	ug/l #	18
82) 4-Chlorotoluene	12.991	91	210	1.998	ug/l #	40

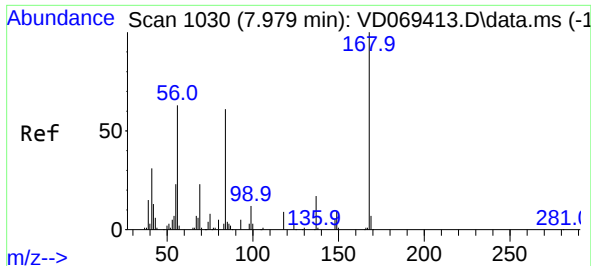
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
0228-COMPOSITE-E

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

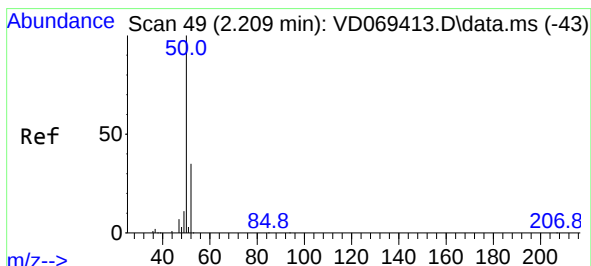
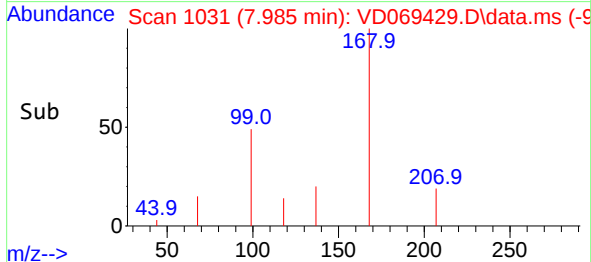
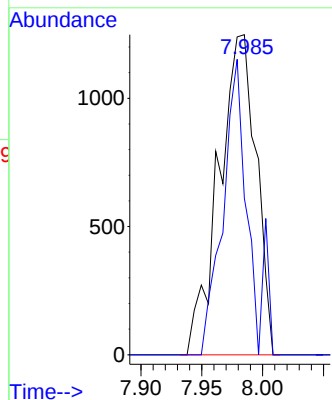
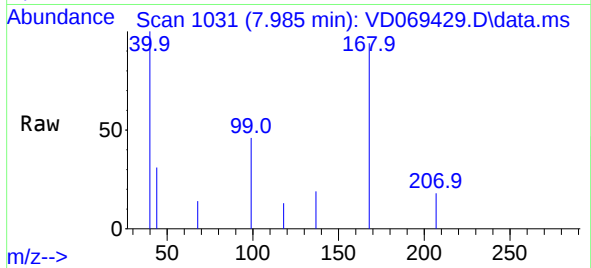




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

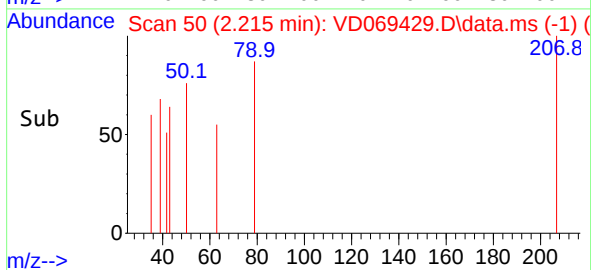
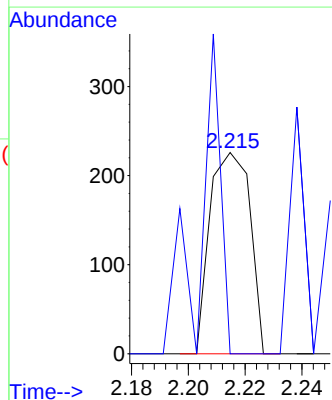
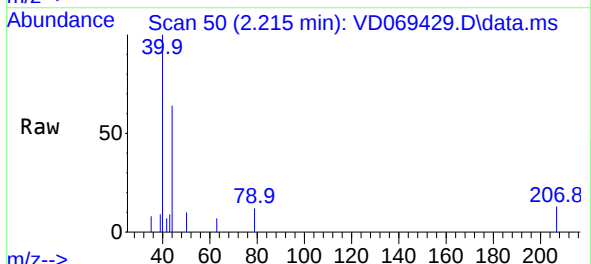
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

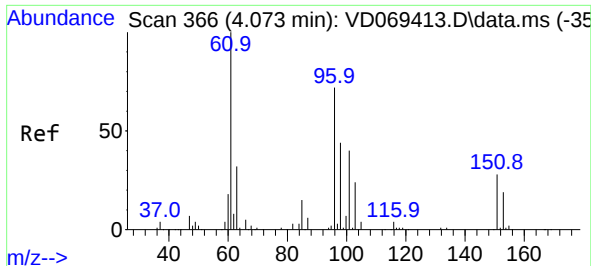
Tgt Ion:168 Resp: 2664
Ion Ratio Lower Upper
168 100
99 48.9 46.2 69.2



#3
Chloromethane
Concen: 8.324 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: 2.017 ug/l

RT: 4.256 min Scan# 397

Delta R.T. 0.183 min

Lab File: VD069429.D

Acq: 14 Jun 2021 16:20

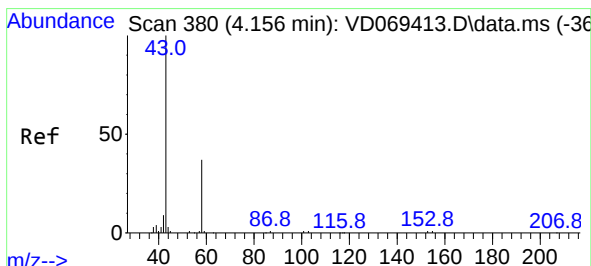
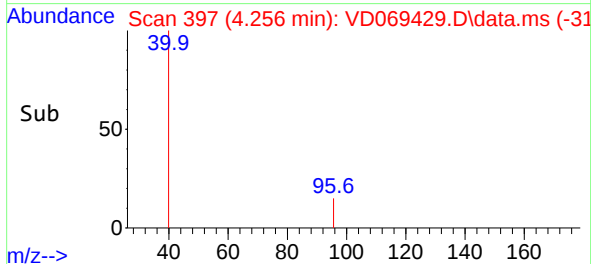
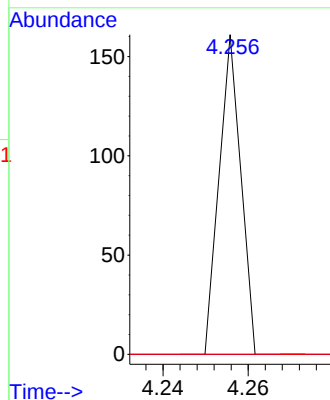
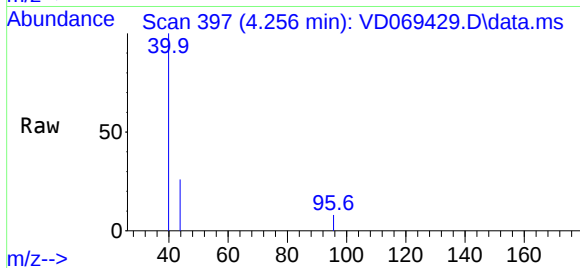
Tgt Ion: 96 Resp: 57

Ion Ratio Lower Upper

96 100

61 0.0 116.5 174.7#

98 0.0 50.8 76.2#



#16

Acetone

Concen: 70.960 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD069429.D

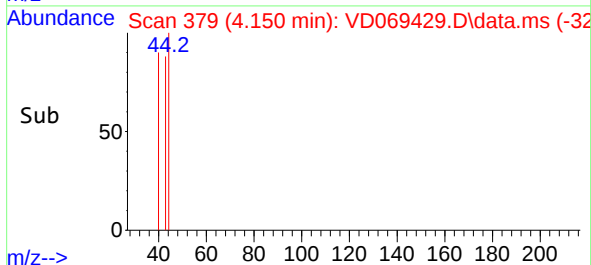
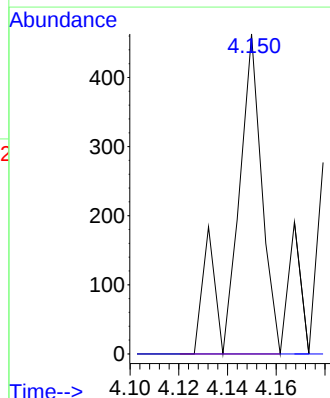
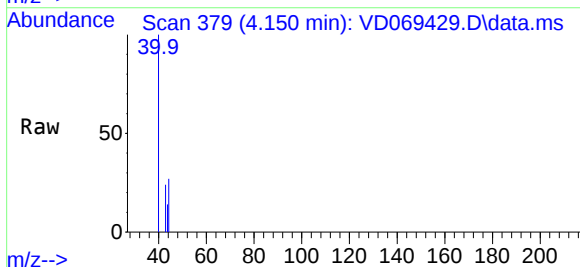
Acq: 14 Jun 2021 16:20

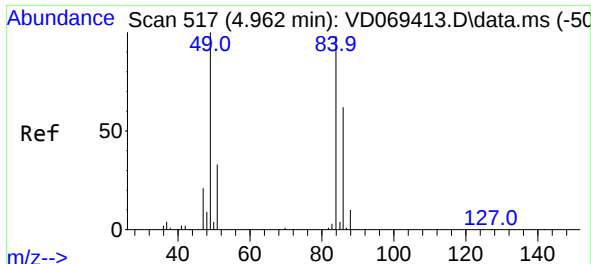
Tgt Ion: 43 Resp: 353

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

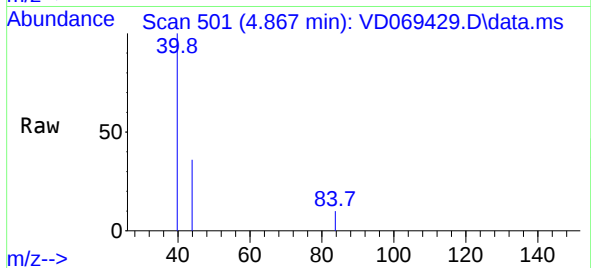
Acq: 14 Jun 2021 16:20

Instrument :

MSVOA_D

ClientSampleId :

0228-COMPOSITE-E



Tgt Ion: 84 Resp: 55

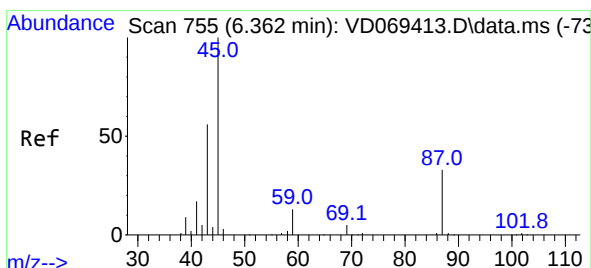
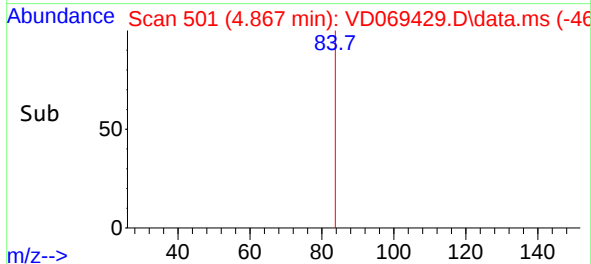
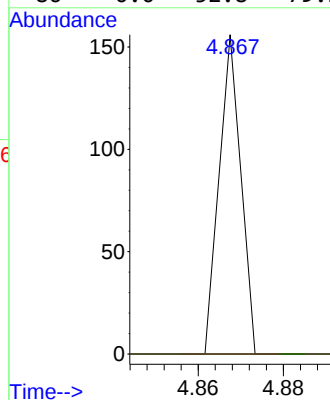
Ion Ratio Lower Upper

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: 1.059 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

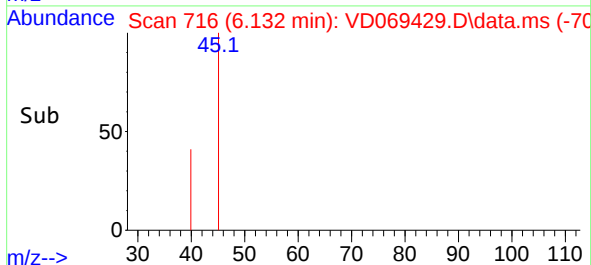
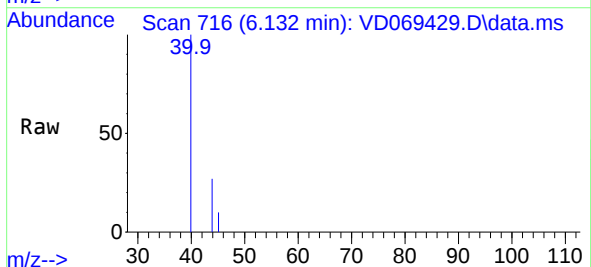
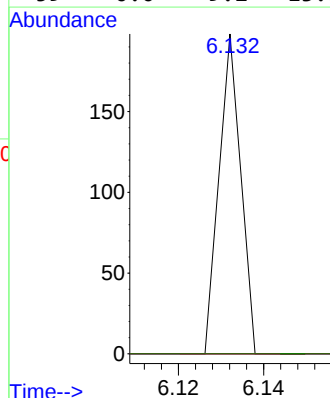
Ion Ratio Lower Upper

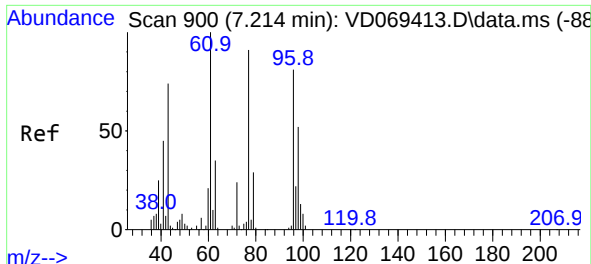
45 100

43 0.0 38.7 58.1#

87 0.0 25.6 38.4#

59 0.0 9.2 13.8#

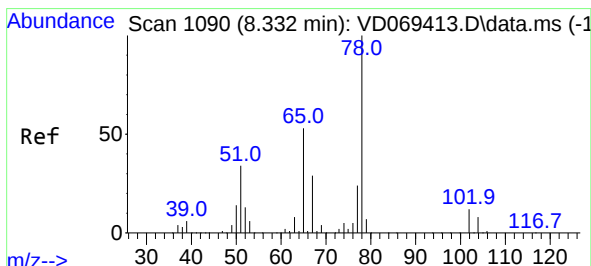
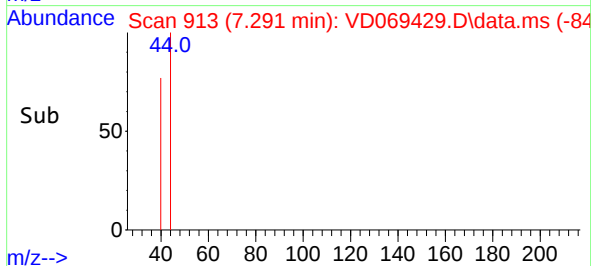
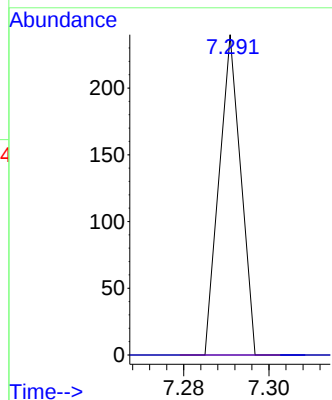
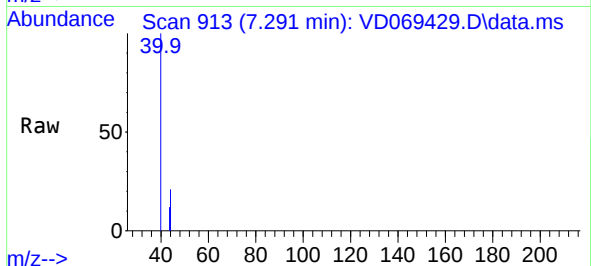




#25
2-Butanone
Concen: 13.703 ug/l
RT: 7.291 min Scan# 913
Delta R.T. 0.077 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

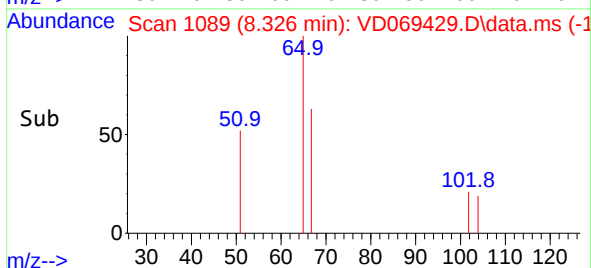
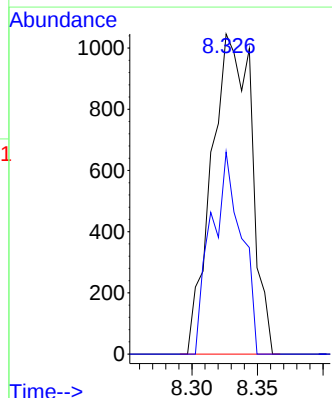
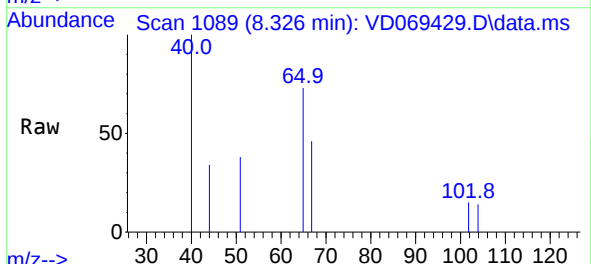
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

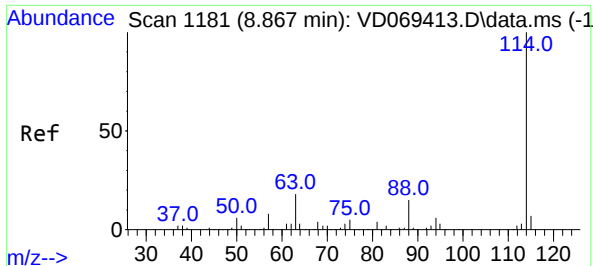
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 73.700 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



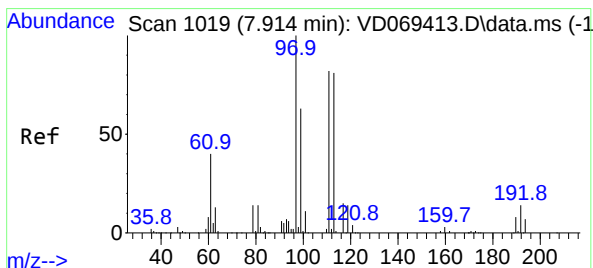
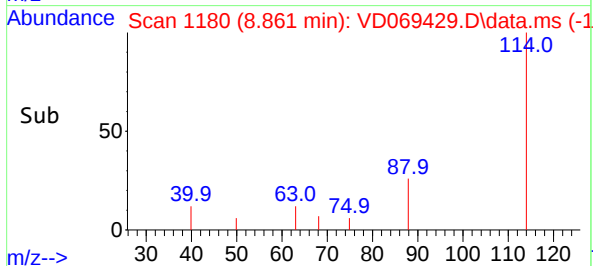
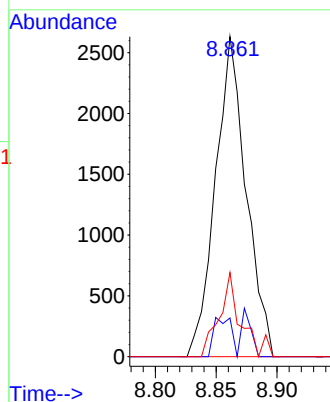
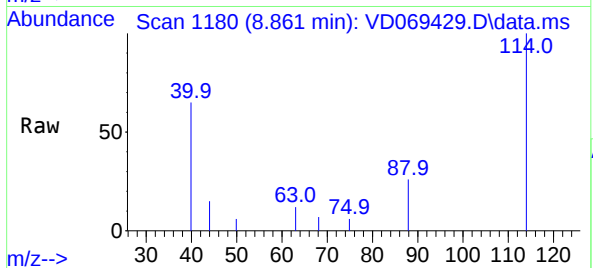


#34

1,4-Difluorobenzene
Concen: 50.000 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 :
0228-COMPOSITE-E

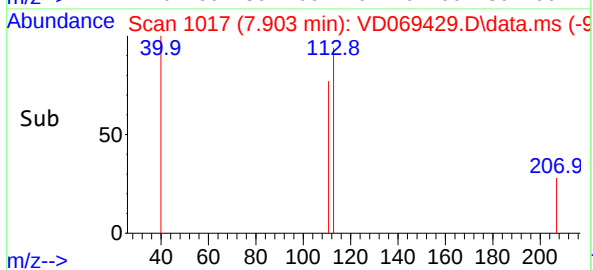
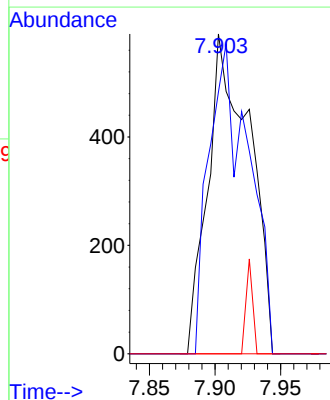
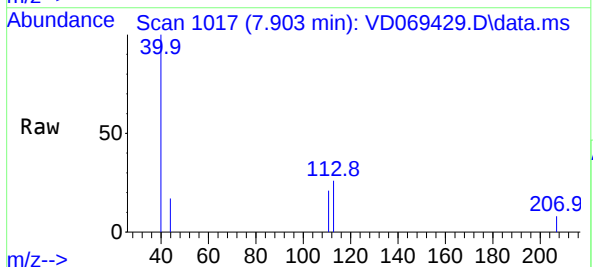
Tgt Ion:114	Resp:	4615
Ion Ratio	Lower	Upper
114	100	
63	12.1	0.0 35.6
88	26.3	0.0 31.2

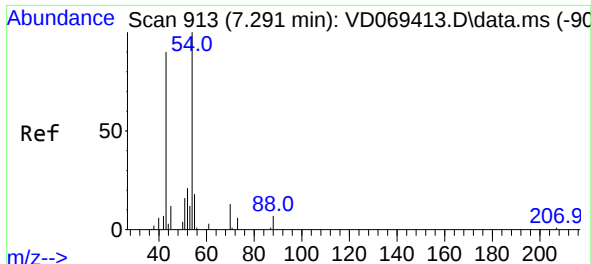


#35

Dibromofluoromethane
Concen: 37.609 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: 5.287 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.000 min

Lab File: VD069429.D

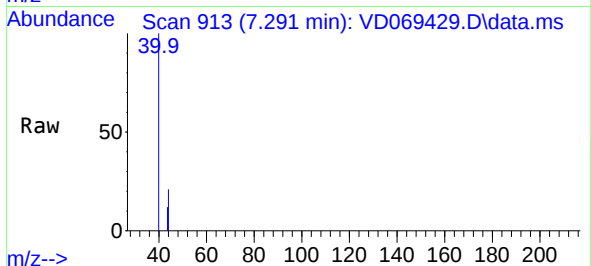
Acq: 14 Jun 2021 16:20

Instrument :

MSVOA_D

ClientSampleId :

0228-COMPOSITE-E



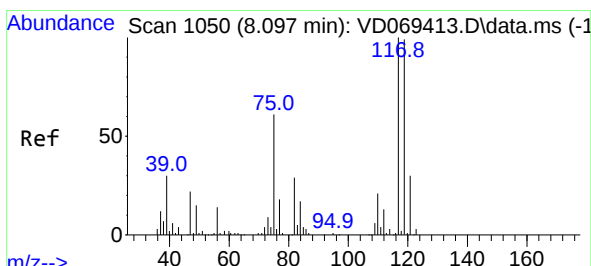
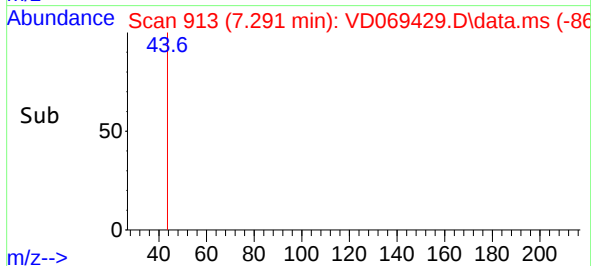
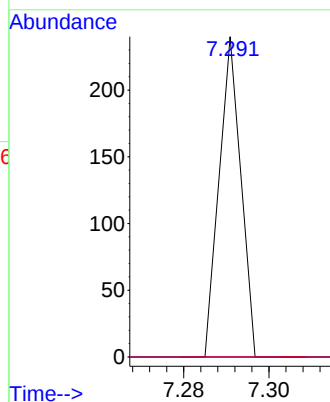
Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 9.7 14.5#



#38

Carbon Tetrachloride

Concen: 1.249 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069429.D

Acq: 14 Jun 2021 16:20

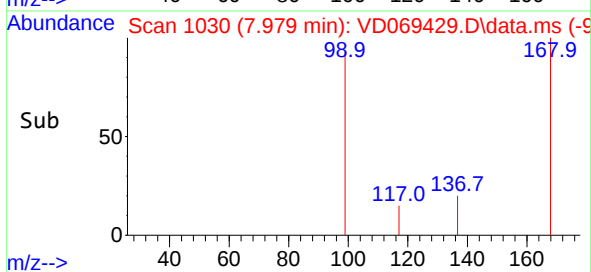
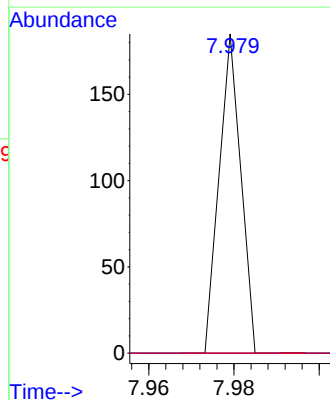
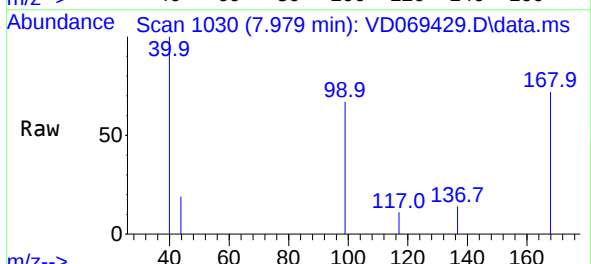
Tgt Ion: 117 Resp: 65

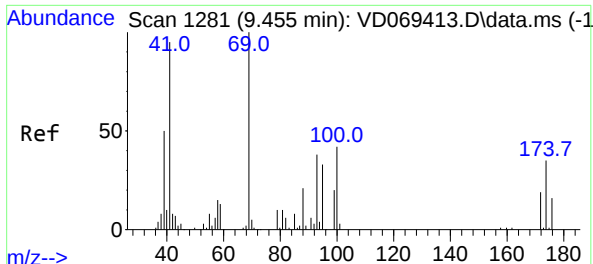
Ion Ratio Lower Upper

117 100

119 0.0 79.4 119.2#

121 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 3.978 ug/l

RT: 9.644 min Scan# 1313

Delta R.T. 0.189 min

Lab File: VD069429.D

Acq: 14 Jun 2021 16:20

Tgt Ion: 41 Resp: 55

Ion Ratio Lower Upper

41 100

69 0.0 77.6 116.4#

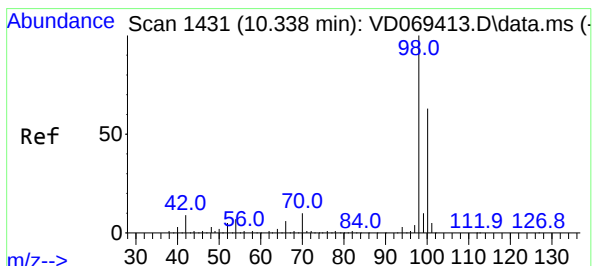
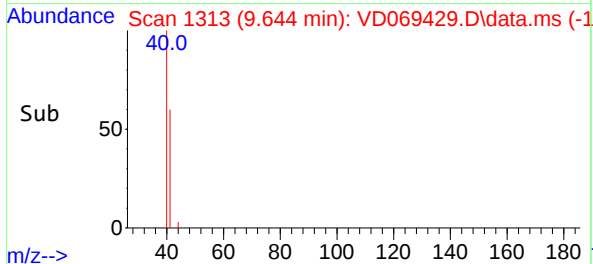
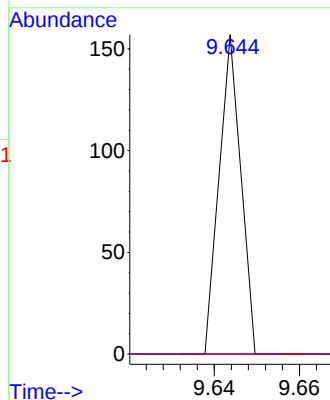
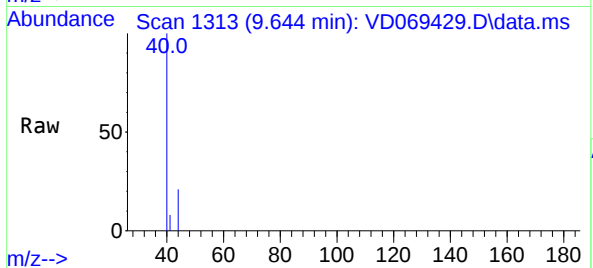
39 0.0 45.3 67.9#

Instrument :

MSVOA_D

ClientSampleId :

0228-COMPOSITE-E



#50

Toluene-d8

Concen: 43.678 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD069429.D

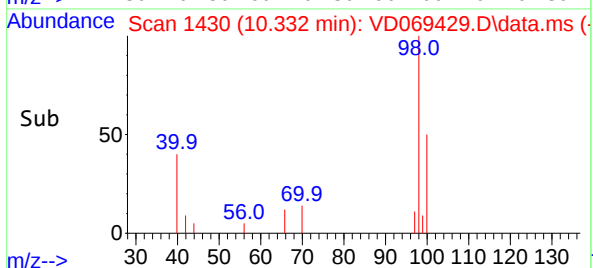
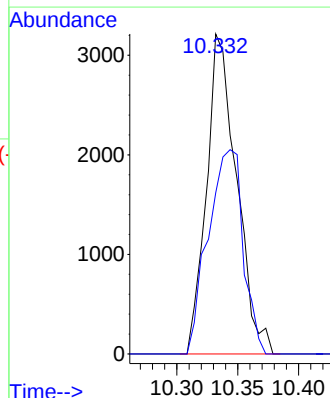
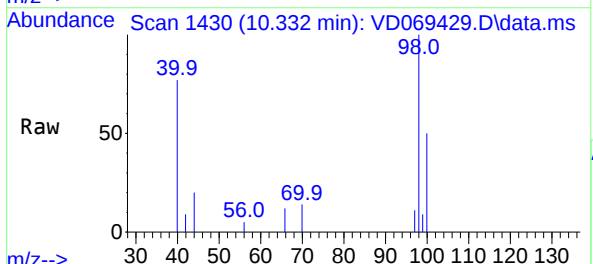
Acq: 14 Jun 2021 16:20

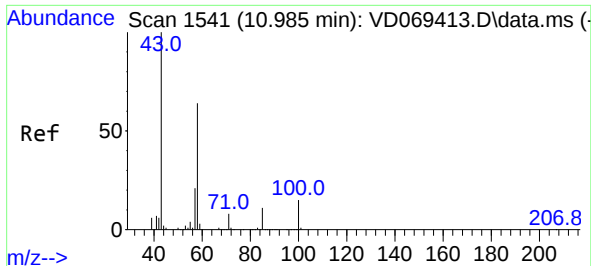
Tgt Ion: 98 Resp: 5522

Ion Ratio Lower Upper

98 100

100 74.2 52.1 78.1

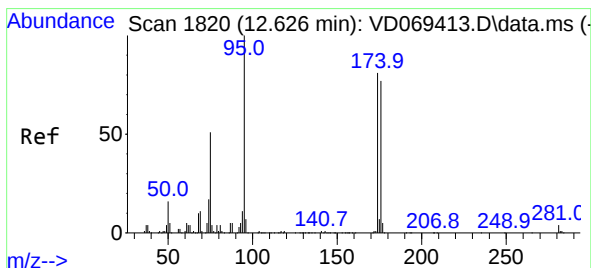
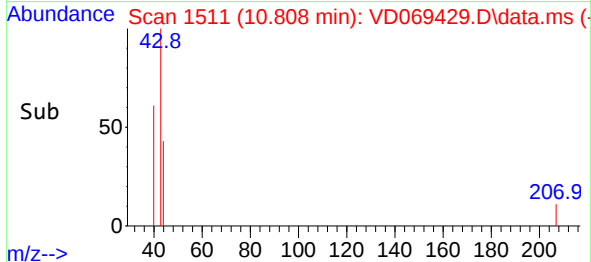
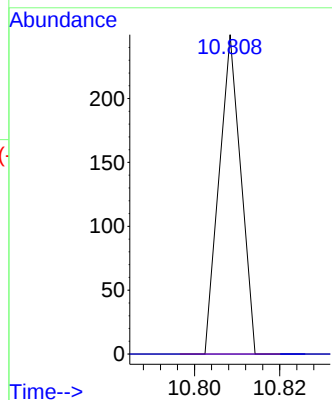
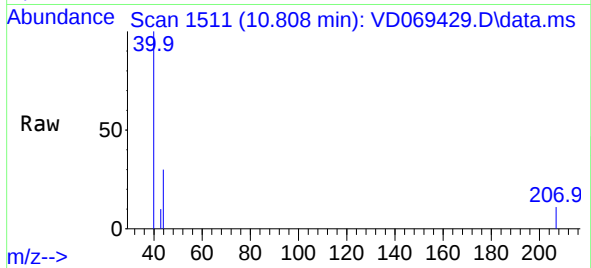




#59
2-Hexanone
Concen: 8.500 ug/l
RT: 10.808 min Scan# 1511
Delta R.T. -0.177 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

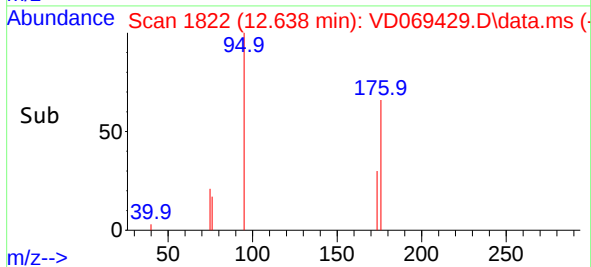
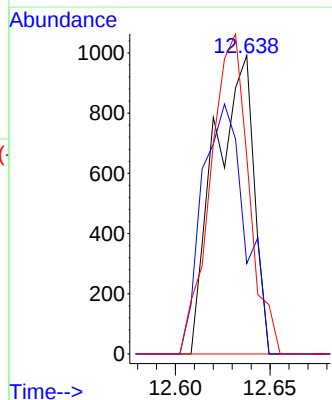
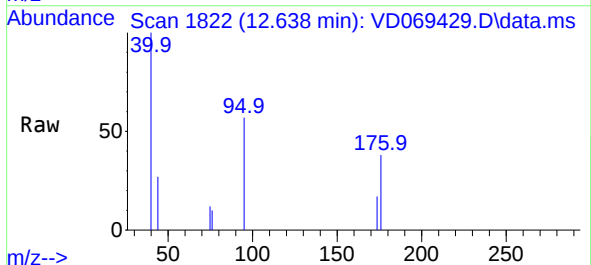
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

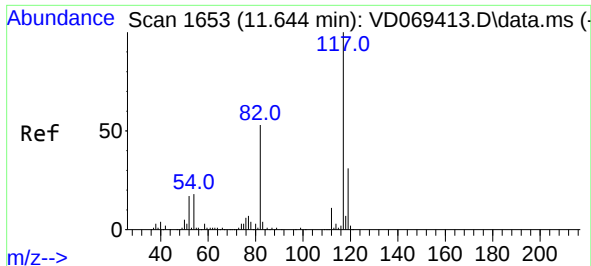
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 34.981 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

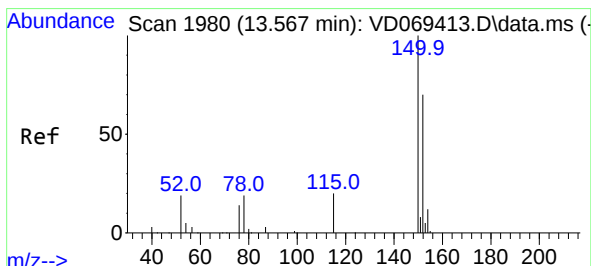
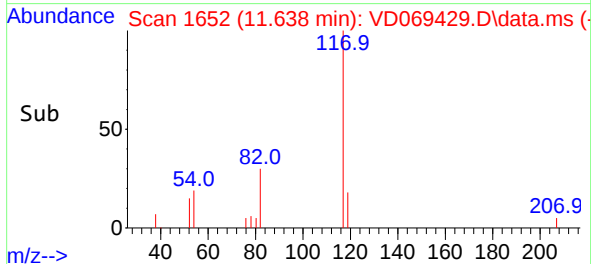
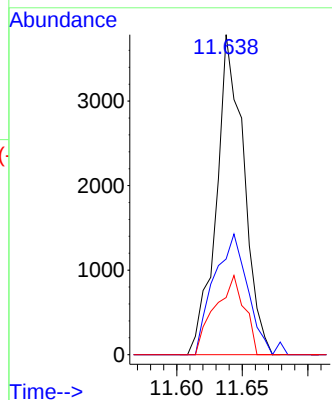
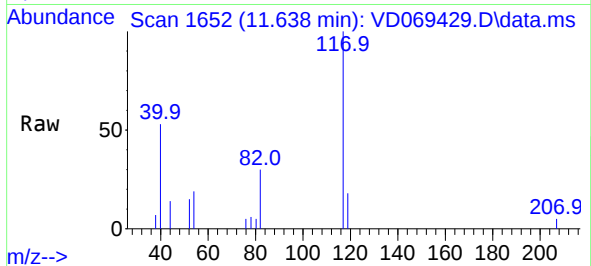




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

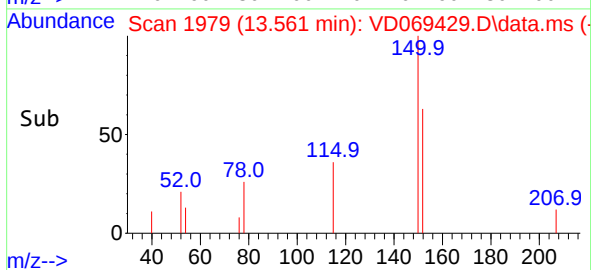
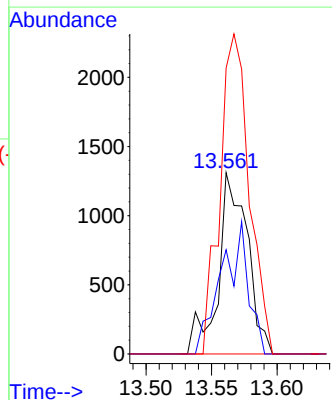
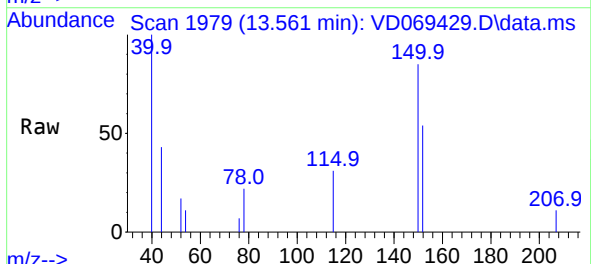
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

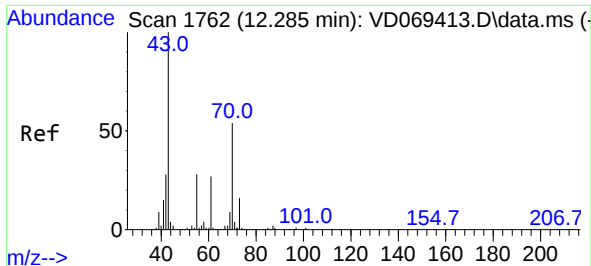
Tgt Ion:	117	Resp:	5515
Ion Ratio	Lower	Upper	
117	100		
82	29.9	43.3	64.9#
119	17.8	25.3	37.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

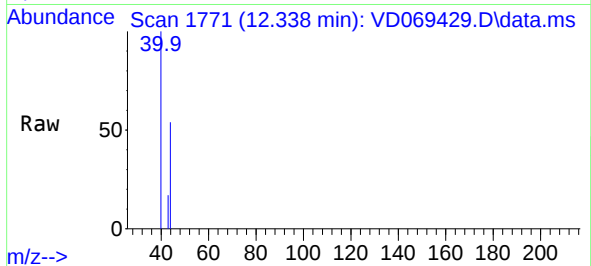
Tgt Ion:	152	Resp:	2014
Ion Ratio	Lower	Upper	
152	100		
115	67.9	29.4	88.3
150	178.8	0.0	355.0



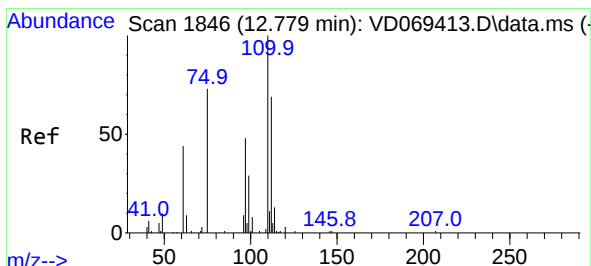
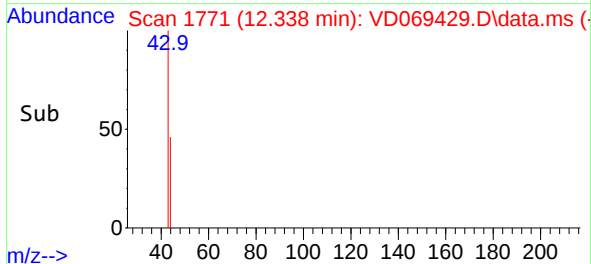
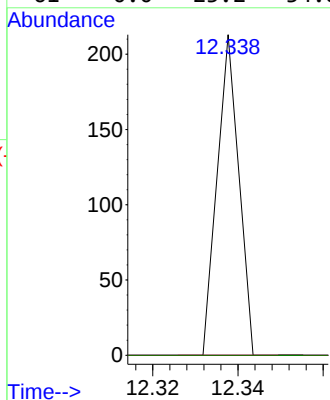


#74
N-amy1 acetate
Concen: 2.953 ug/l
RT: 12.338 min Scan# 1771
Delta R.T. 0.053 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

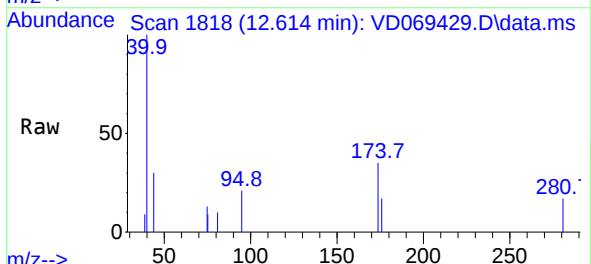
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E



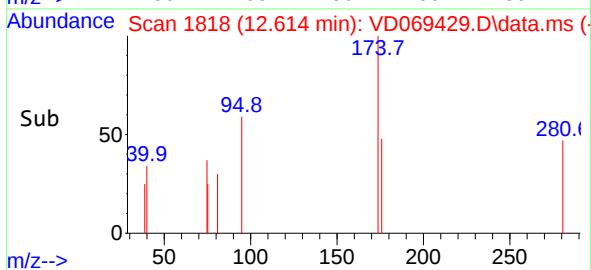
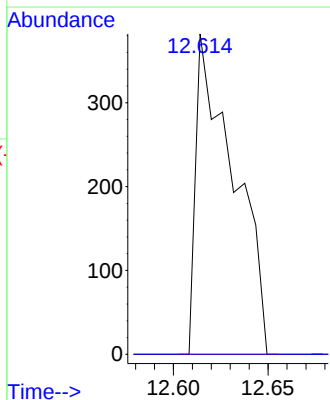
Tgt Ion: 43	Resp: 75
Ion Ratio	Lower Upper
43 100	
70 0.0	40.9 61.3#
55 0.0	23.4 35.0#
61 0.0	23.2 34.8#

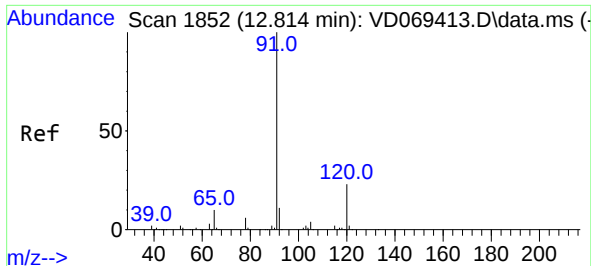


#76
1,2,3-Trichloropropane
Concen: 25.957 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.165 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20



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

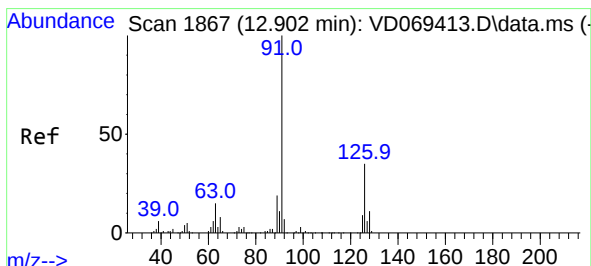
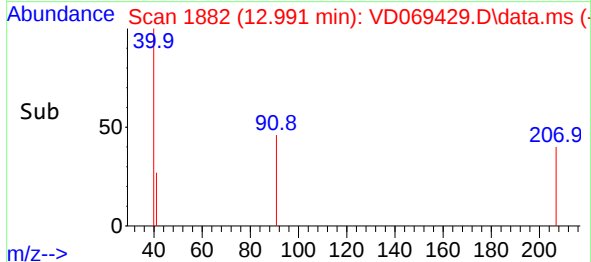
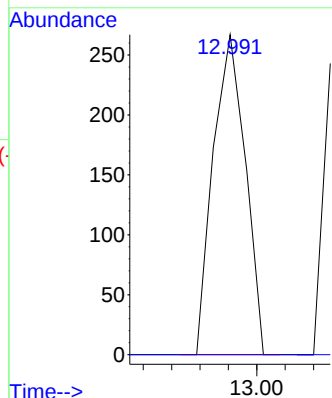
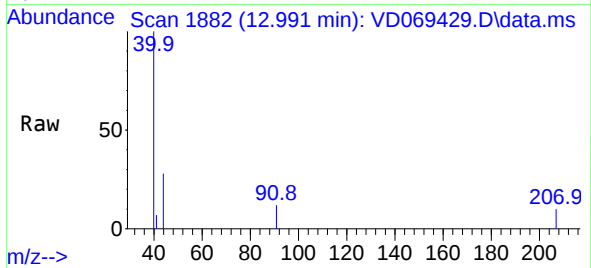




#78
n-propylbenzene
Concen: 1.209 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.177 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

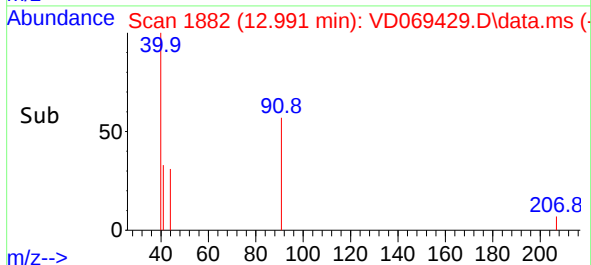
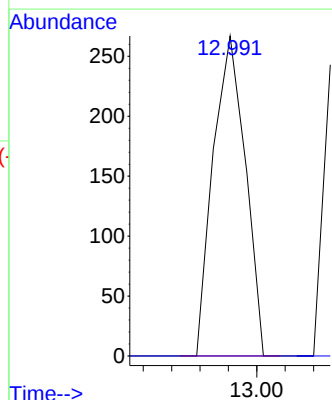
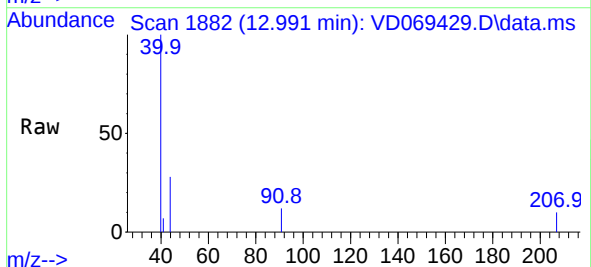
Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

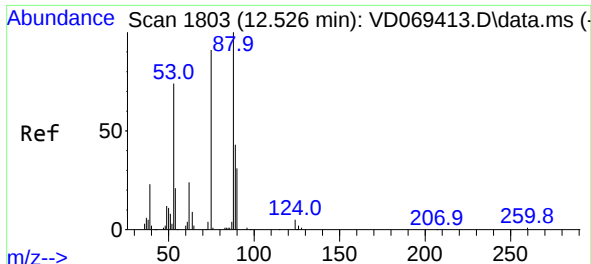
Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#



#79
2-Chlorotoluene
Concen: 2.126 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#

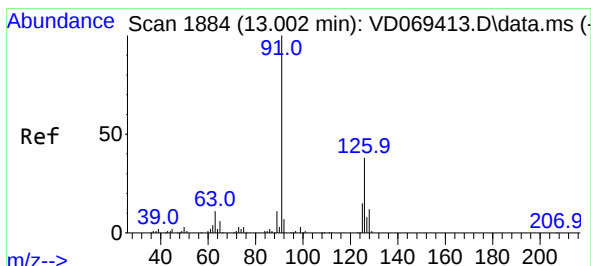
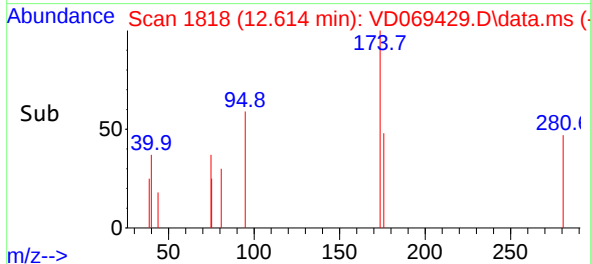
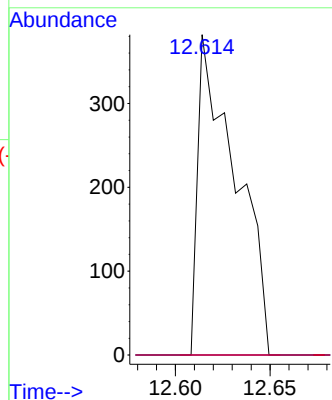
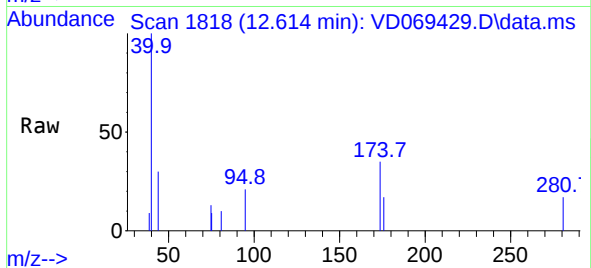




#81
trans-1,4-Dichloro-2-butene
Concen: 69.246 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.088 min
Lab File: VD069429.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :
0228-COMPOSITE-E

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: 1.998 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#

