

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068217.D
 Acq On : 28 Jan 2021 12:29
 Operator : VA/SY
 Sample : M1253-07
 Misc : 4.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Quant Time: Jan 29 00:07:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

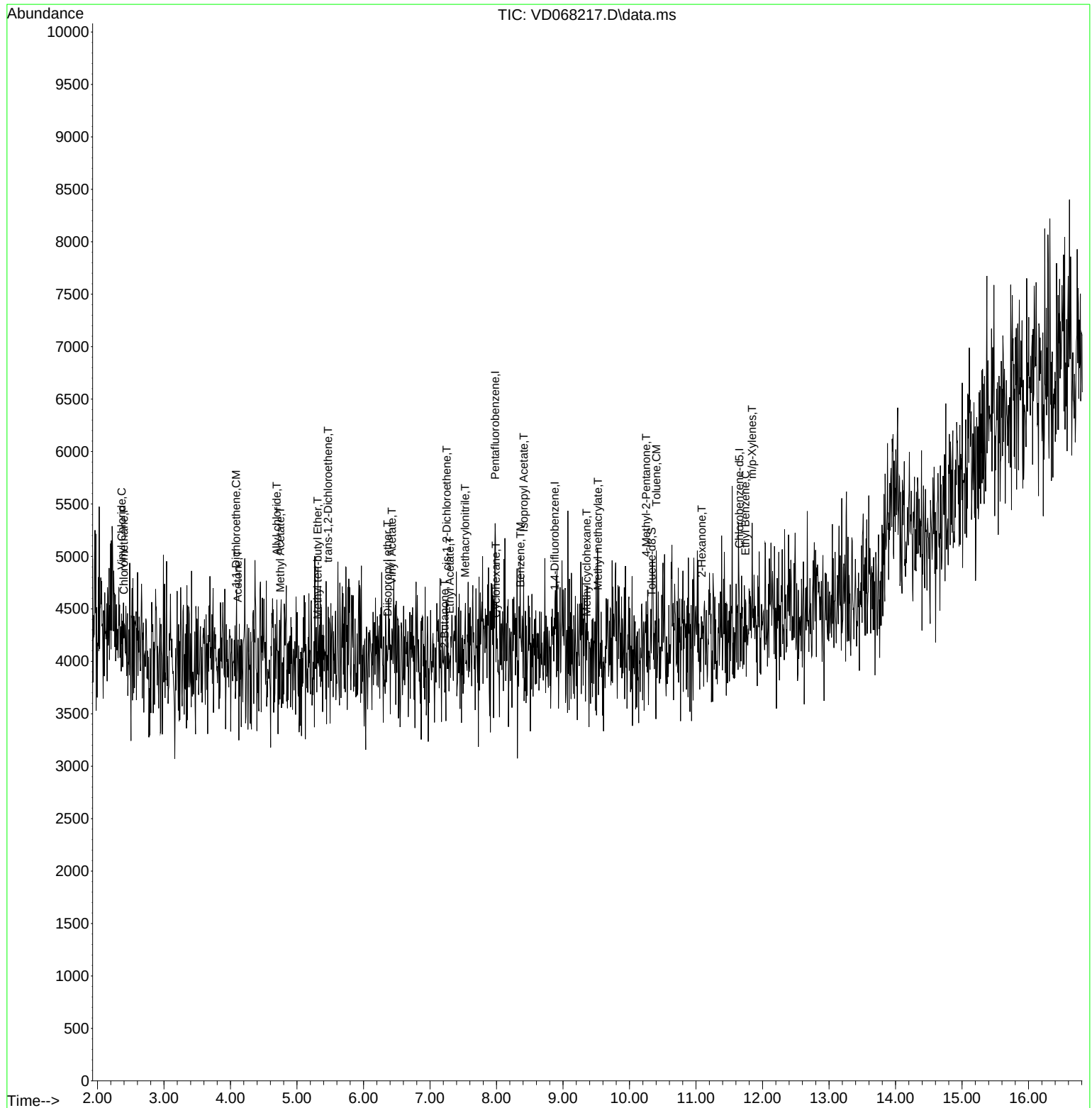
Internal Standards						
1) Pentafluorobenzene	7.979	168	528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.873	114	949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	400	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.00	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.00%#
35) Dibromofluoromethane	0.000	113	0	0.00	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.00%#
50) Toluene-d8	10.332	98	882	42.03	ug/l	-0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.06%
62) 4-Bromofluorobenzene	0.000	95	0	0.00	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.00%#
Target Compounds						Qvalue
3) Chloromethane	2.397	50	55	8.14	ug/l #	43
4) Vinyl Chloride	2.362	62	60	7.99	ug/l #	43
12) 1,1-Dichloroethene	4.085	96	62	10.72	ug/l #	1
14) Allyl chloride	4.697	41	76	9.03	ug/l #	50
16) Acetone	4.109	43	109	120.86	ug/l #	44
18) Methyl Acetate	4.750	43	55	23.50	ug/l #	43
19) Methyl tert-butyl Ether	5.309	73	64	4.79	ug/l #	59
21) trans-1,2-Dichloroethene	5.467	96	142	21.38	ug/l #	1
22) Diisopropyl ether	6.362	45	60	3.53	ug/l #	34
23) Vinyl Acetate	6.426	43	56	6.19	ug/l #	66
25) 2-Butanone	7.220	43	68	50.08	ug/l #	43
27) cis-1,2-Dichloroethene	7.250	96	59	8.18	ug/l #	1
31) Cyclohexane	7.991	56	64	5.85	ug/l #	9
37) Ethyl Acetate	7.297	43	70	20.68	ug/l #	64
39) Methylcyclohexane	9.355	83	74	5.91	ug/l #	21
40) Benzene	8.361	78	307	11.47	ug/l #	54
41) Methacrylonitrile	7.526	41	86	42.09	ug/l #	19
43) Isopropyl Acetate	8.408	43	56	7.94	ug/l #	46
48) Methyl methacrylate	9.526	41	79	22.50	ug/l #	10
51) 4-Methyl-2-Pentanone	10.250	43	121	36.90	ug/l #	31
52) Toluene	10.402	92	222	12.73	ug/l #	30
59) 2-Hexanone	11.085	43	55	24.20	ug/l #	19
67) Ethyl Benzene	11.744	91	259	16.46	ug/l #	42
68) m/p-Xylenes	11.844	106	55	9.26	ug/l #	1

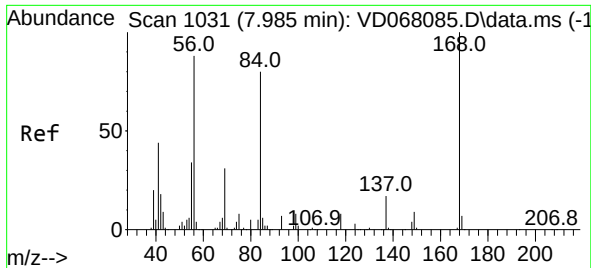
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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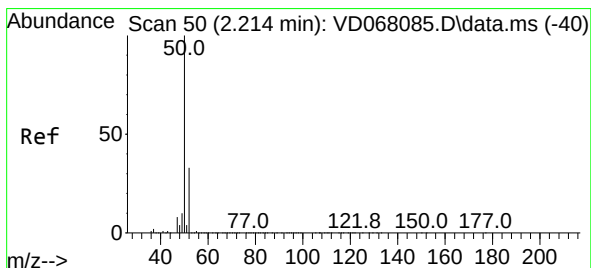
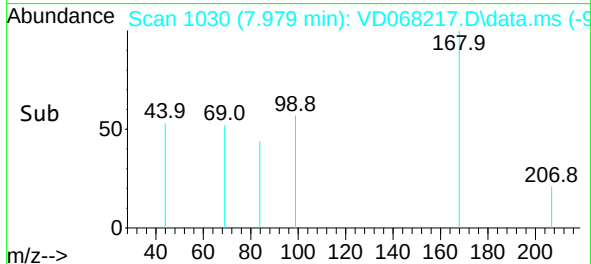
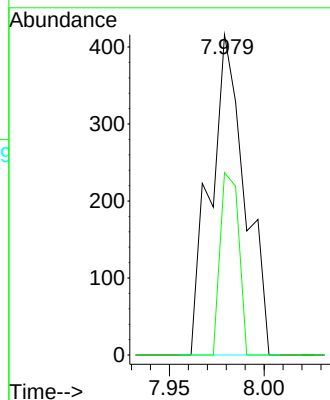
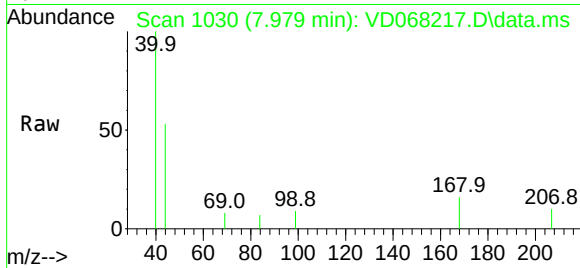




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

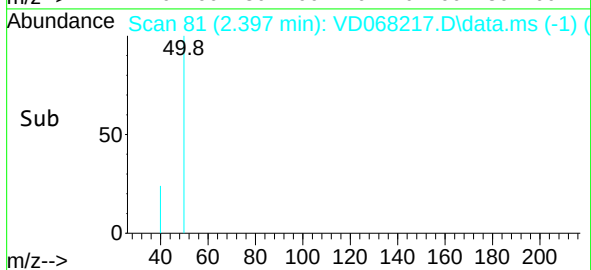
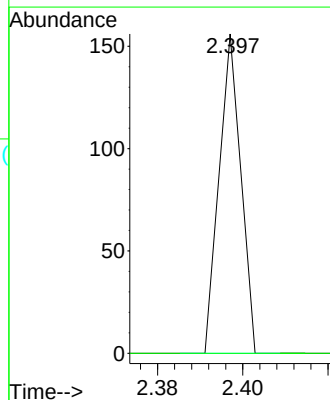
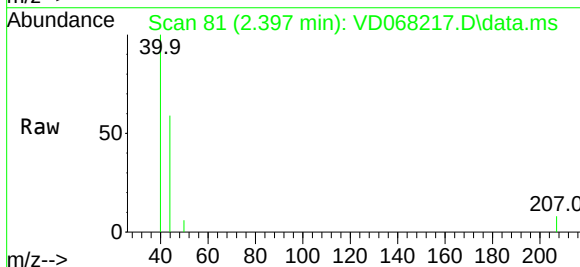
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

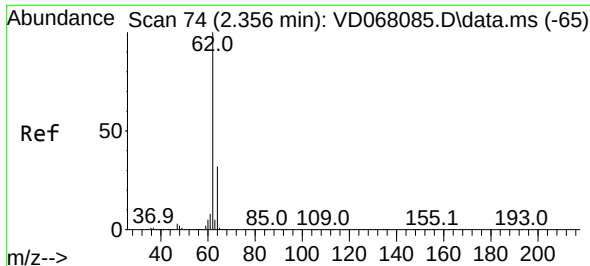
Tgt Ion:168 Resp: 528
Ion Ratio Lower Upper
168 100
99 57.0 43.5 65.3



#3
Chloromethane
Concen: 8.14 ug/l
RT: 2.397 min Scan# 81
Delta R.T. 0.183 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

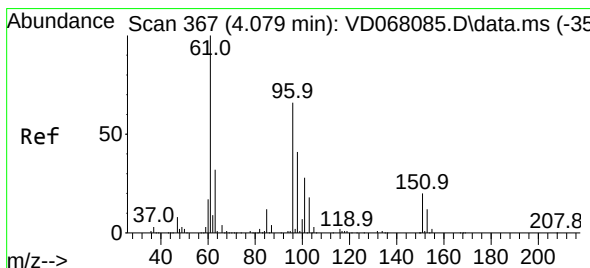
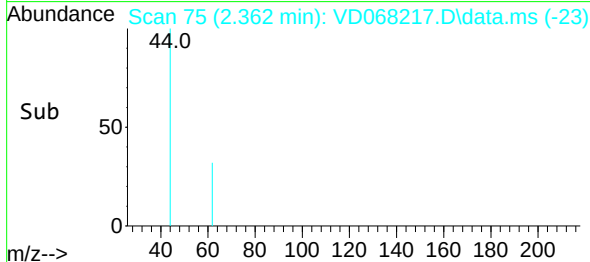
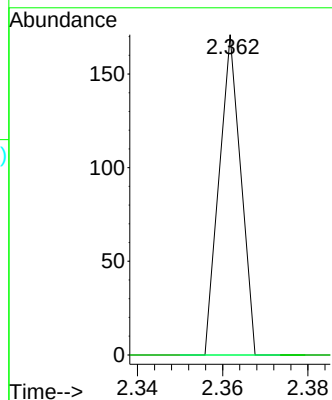
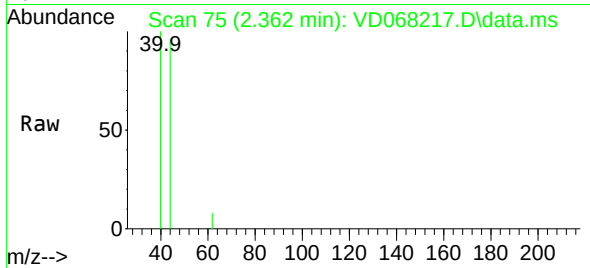




#4
 Vinyl Chloride
 Concen: 7.99 ug/l
 RT: 2.362 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

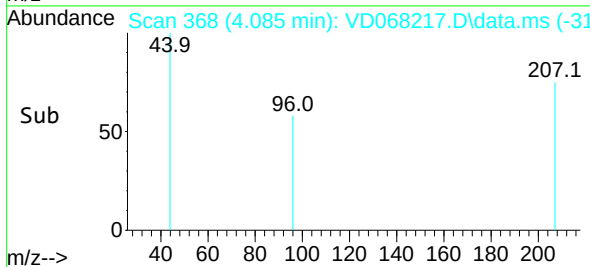
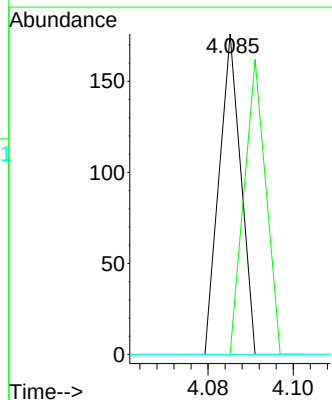
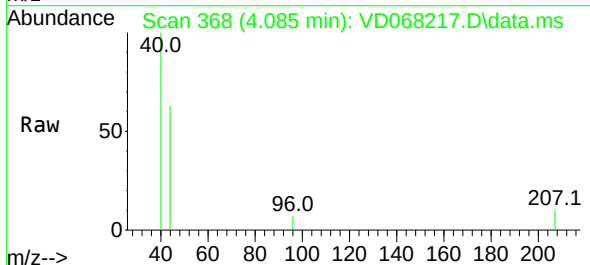
Instrument :
 MSVOA_D
 ClientSampleID :
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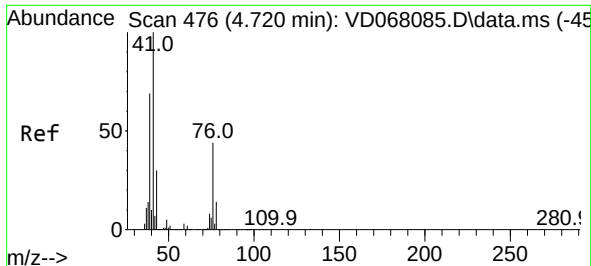
Tgt Ion: 62 Resp: 60
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#12
 1,1-Dichloroethene
 Concen: 10.72 ug/l
 RT: 4.085 min Scan# 368
 Delta R.T. 0.006 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Tgt Ion: 96 Resp: 62
 Ion Ratio Lower Upper
 96 100
 61 0.0 116.2 174.4#
 98 0.0 48.6 73.0#

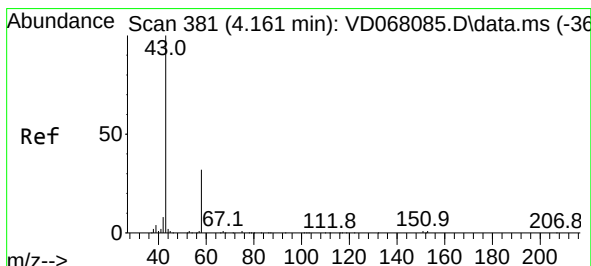
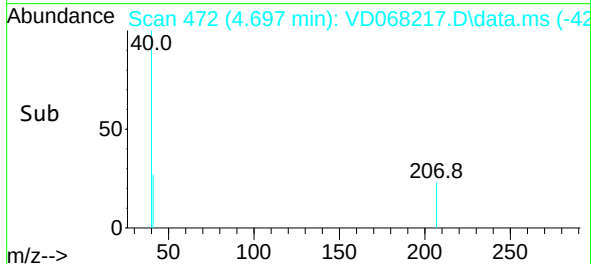
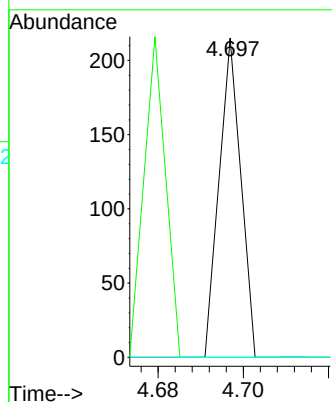
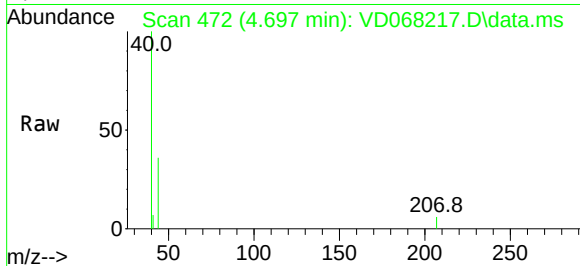




#14
 Allyl chloride
 Concen: 9.03 ug/l
 RT: 4.697 min Scan# 472
 Delta R.T. -0.023 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

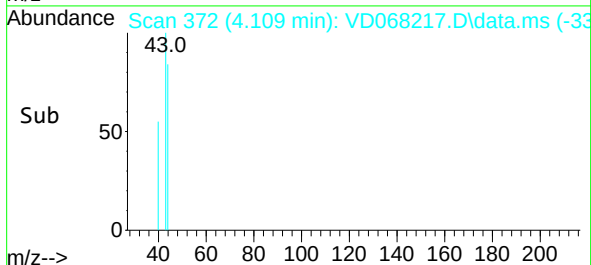
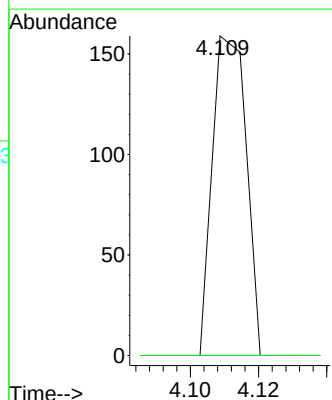
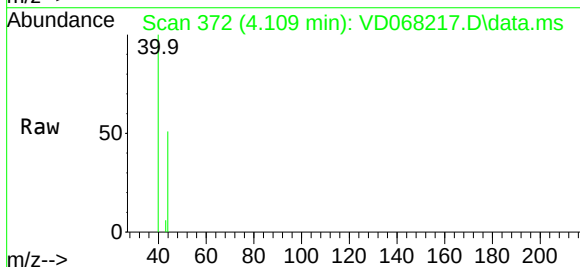
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

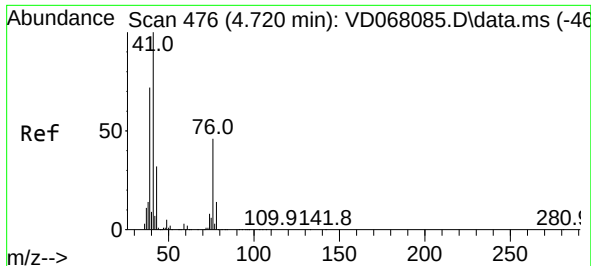
Tgt Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
39	100.0	56.3	84.5#
76	0.0	38.9	58.3#



#16
 Acetone
 Concen: 120.86 ug/l
 RT: 4.109 min Scan# 372
 Delta R.T. -0.053 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Tgt Ion:	43	Resp:	109
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#

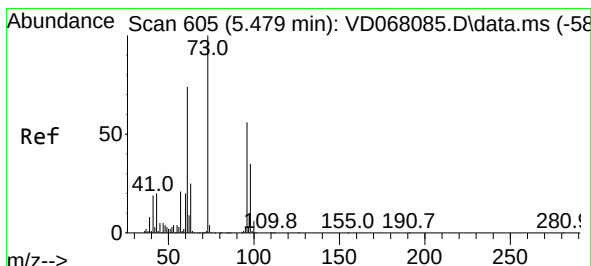
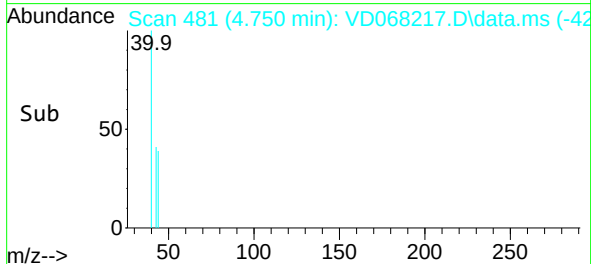
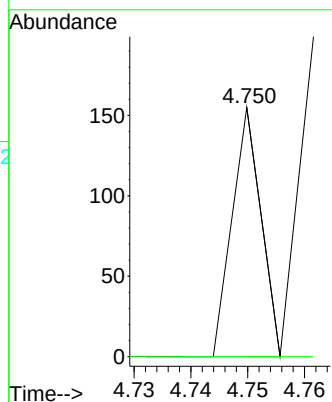
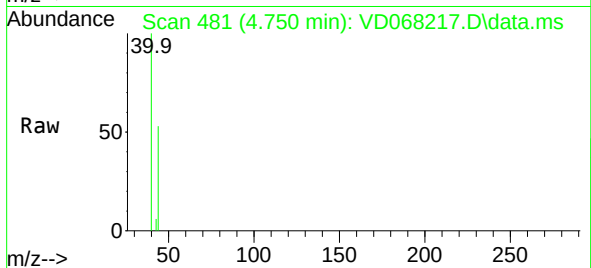




#18
Methyl Acetate
Concen: 23.50 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.030 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

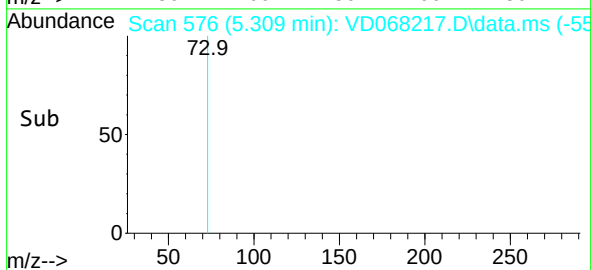
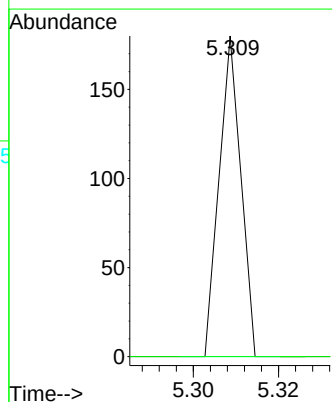
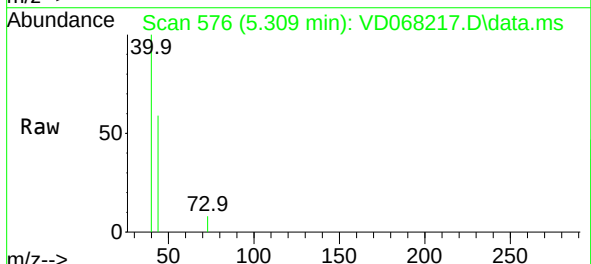
Instrument :
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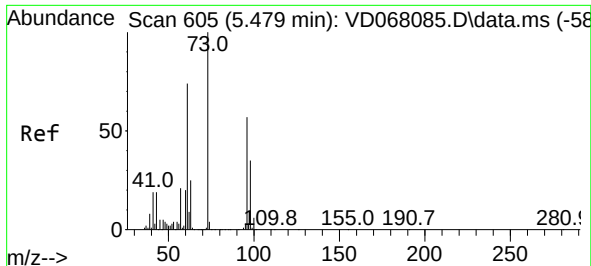
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.0#



#19
Methyl tert-butyl Ether
Concen: 4.79 ug/l
RT: 5.309 min Scan# 576
Delta R.T. -0.170 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 73 Resp: 64
Ion Ratio Lower Upper
73 100
57 0.0 14.4 21.6#

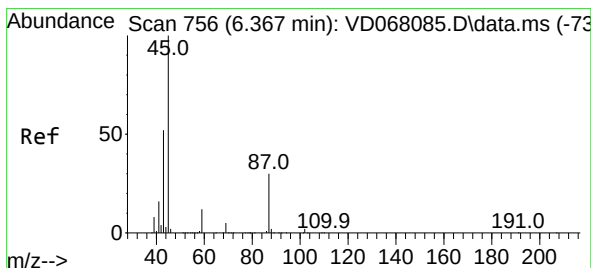
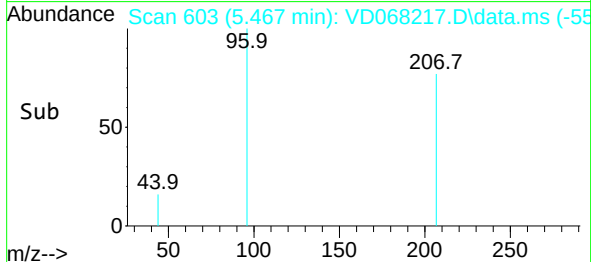
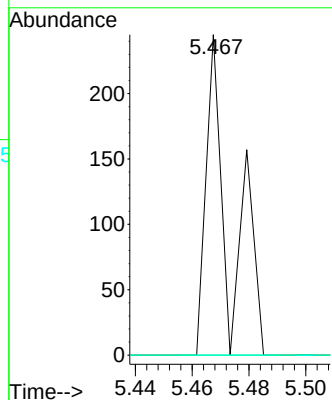
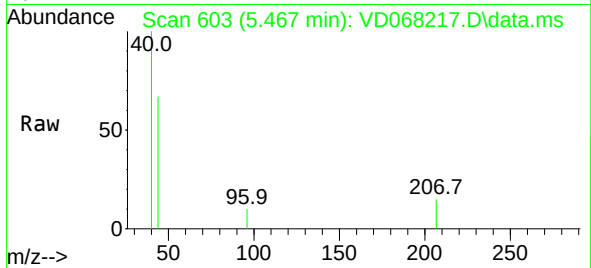




#21
trans-1,2-Dichloroethene
Concen: 21.38 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.011 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

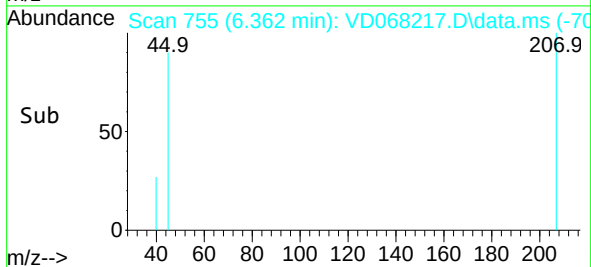
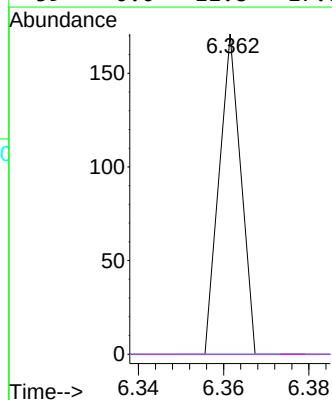
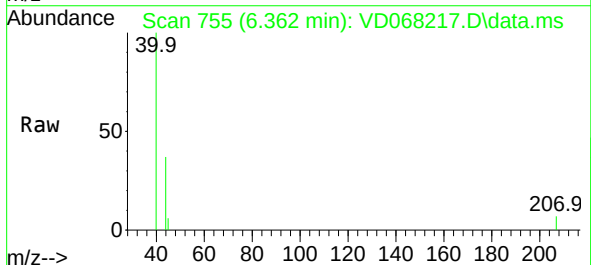
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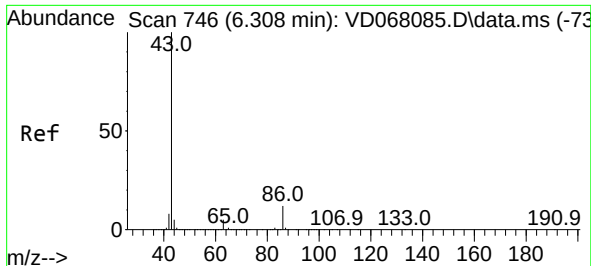
Tgt Ion: 96 Resp: 142
Ion Ratio Lower Upper
96 100
61 0.0 96.7 145.1#
98 0.0 47.6 71.4#



#22
Diisopropyl ether
Concen: 3.53 ug/l
RT: 6.362 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 45 Resp: 60
Ion Ratio Lower Upper
45 100
43 0.0 43.9 65.9#
87 0.0 29.9 44.9#
59 0.0 11.8 17.8#

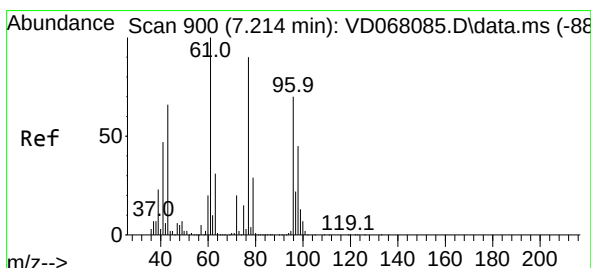
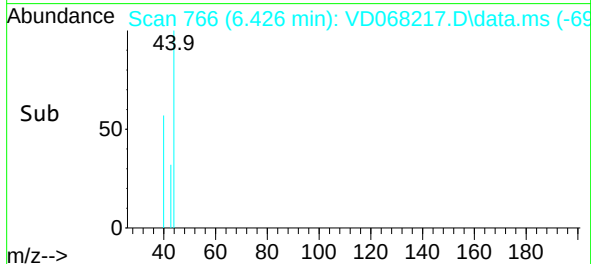
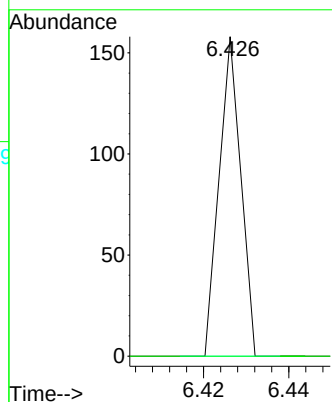
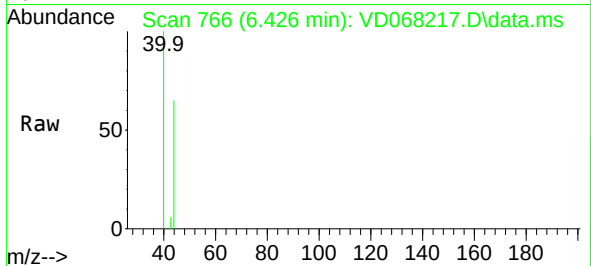




#23
 Vinyl Acetate
 Concen: 6.19 ug/l
 RT: 6.426 min Scan# 766
 Delta R.T. 0.118 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

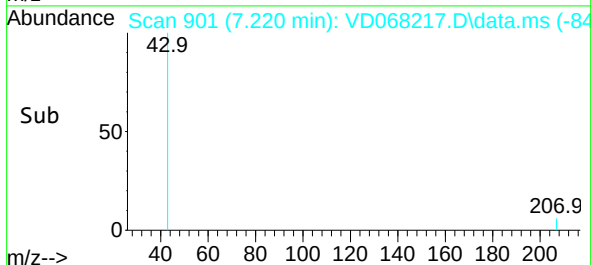
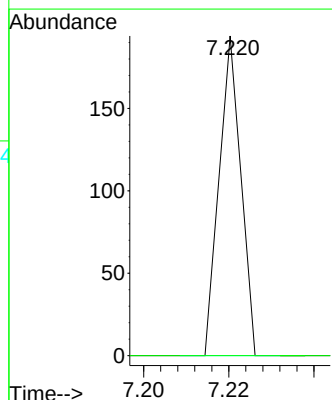
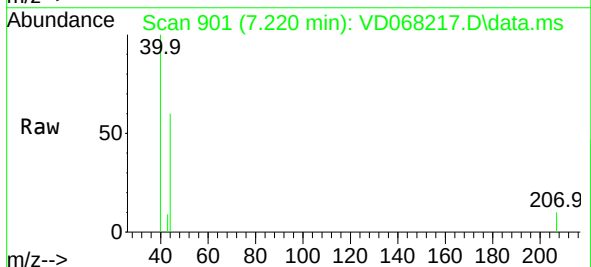
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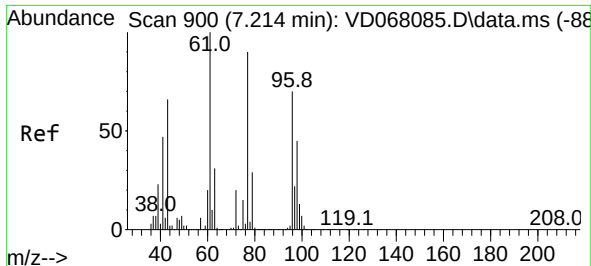
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 50.08 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.1 37.7#

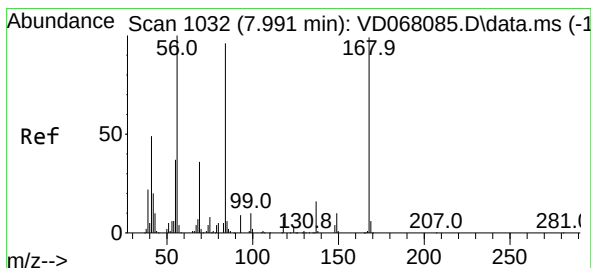
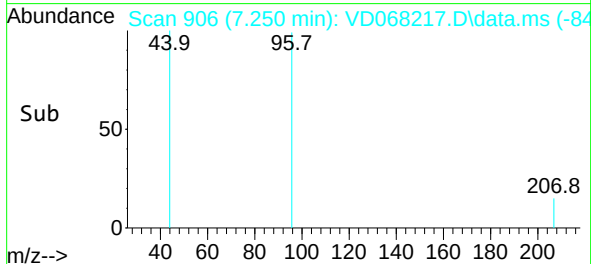
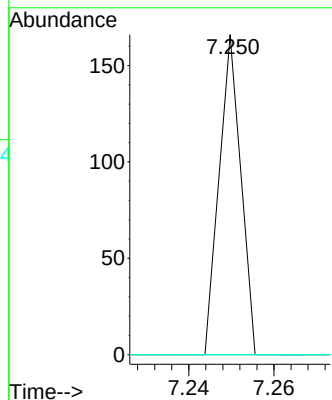
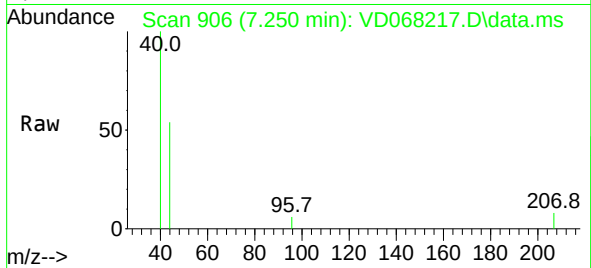




#27
cis-1,2-Dichloroethene
Concen: 8.18 ug/l
RT: 7.250 min Scan# 906
Delta R.T. 0.036 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

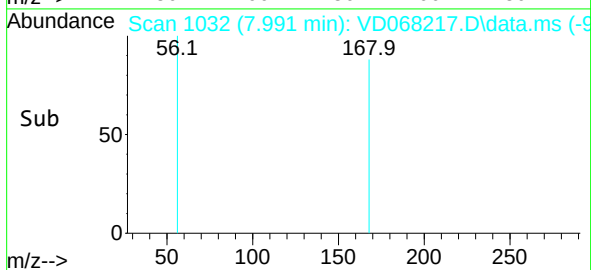
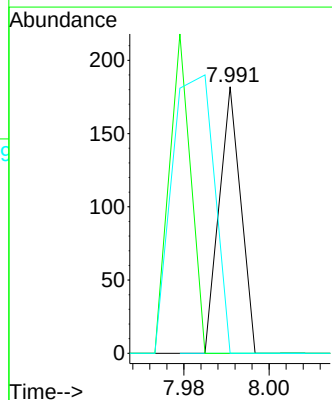
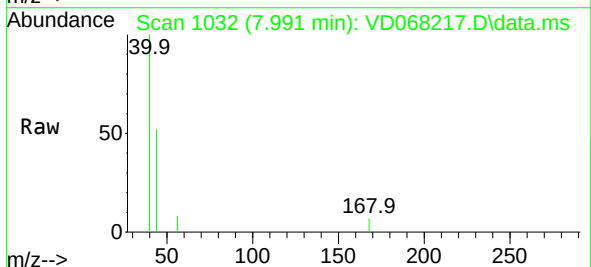
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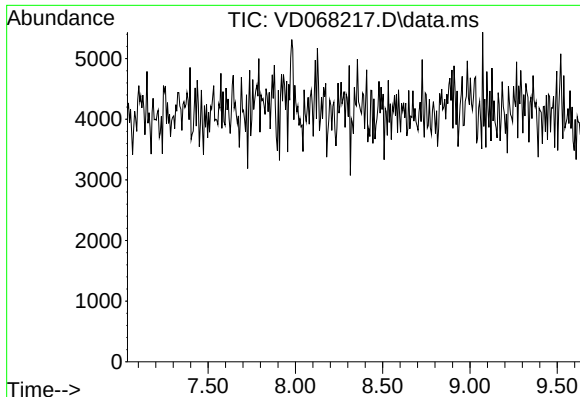
Tgt Ion: 96 Resp: 59
Ion Ratio Lower Upper
96 100
61 0.0 0.0 257.4
98 0.0 0.0 126.6



#31
Cyclohexane
Concen: 5.85 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
69 0.0 30.1 45.1#
84 0.0 82.1 123.1#

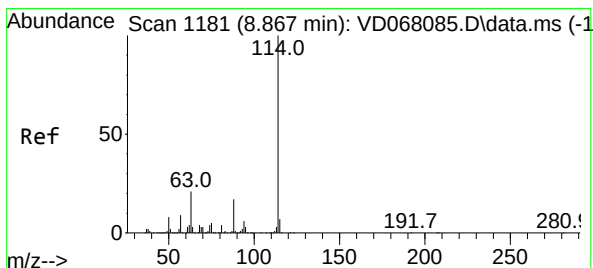
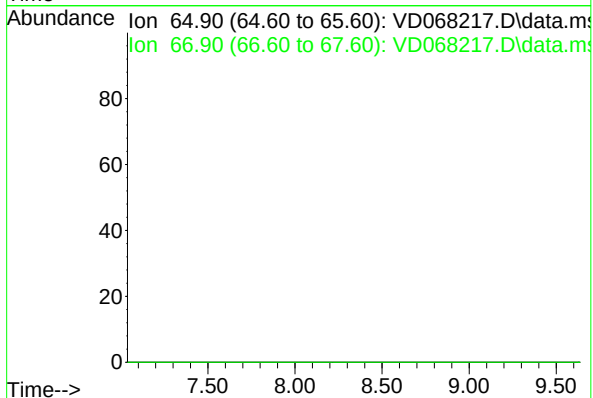




#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 8.34 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

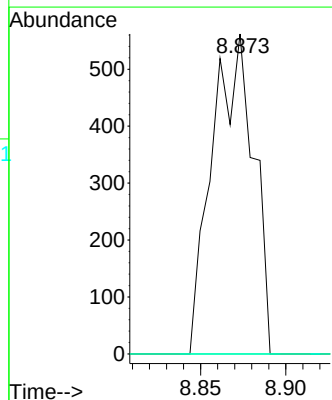
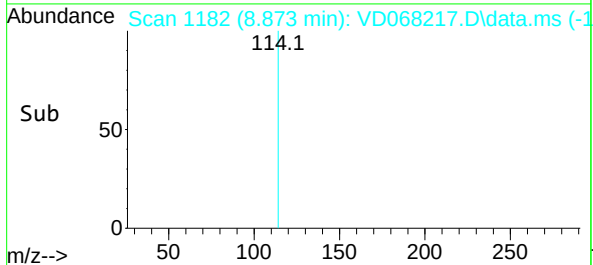
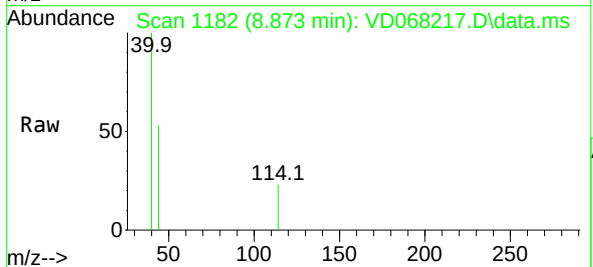
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

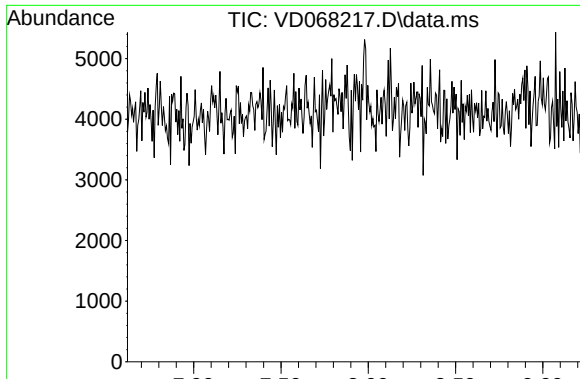
Tgt Ion: 65
 Sig Exp Ratio
 65 100
 67 52.5



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.873 min Scan# 1182
 Delta R.T. 0.006 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Tgt Ion: 114 Resp: 949
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.8
 88 0.0 0.0 31.6



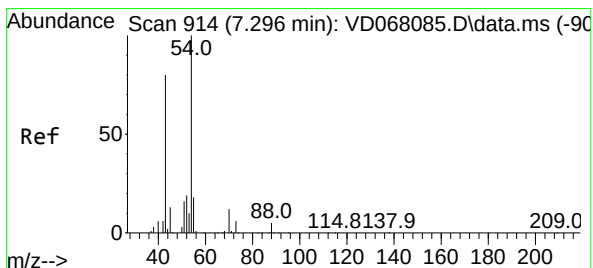
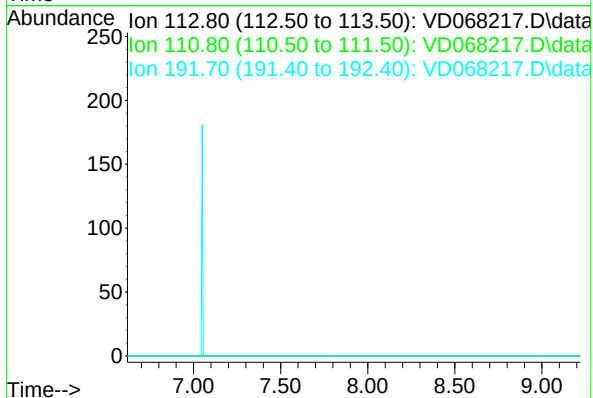


#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.92 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Tgt Ion: 113

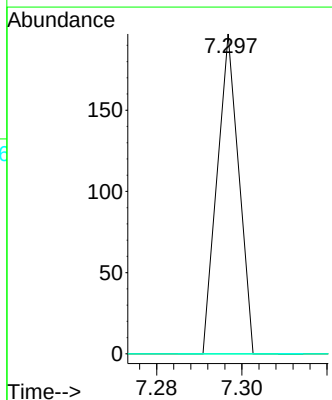
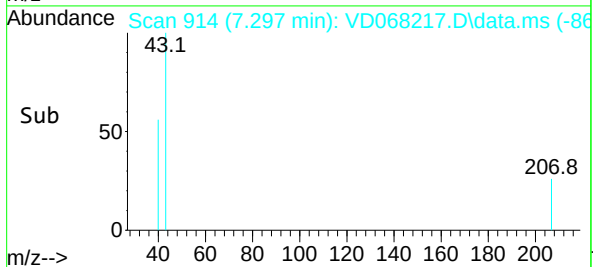
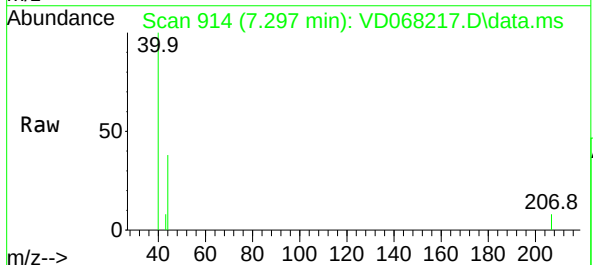
Sig	Exp Ratio
113	100
111	101.7
192	20.1

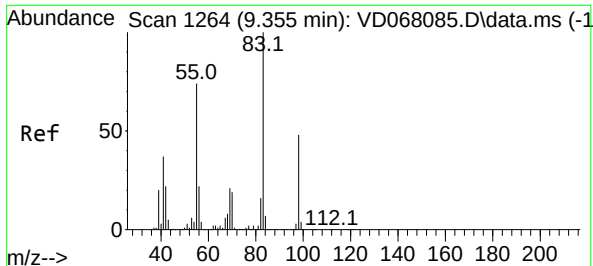


#37
 Ethyl Acetate
 Concen: 20.68 ug/l
 RT: 7.297 min Scan# 914
 Delta R.T. 0.000 min
 Lab File: VD068217.D
 Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	11.0	16.6#





#39

Methylcyclohexane

Concen: 5.91 ug/l

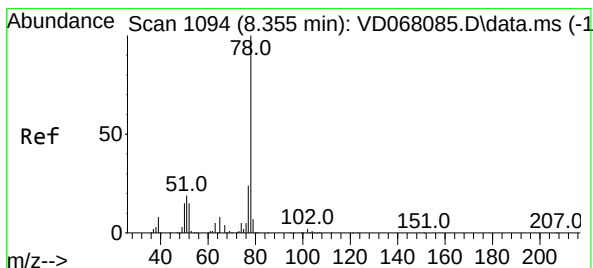
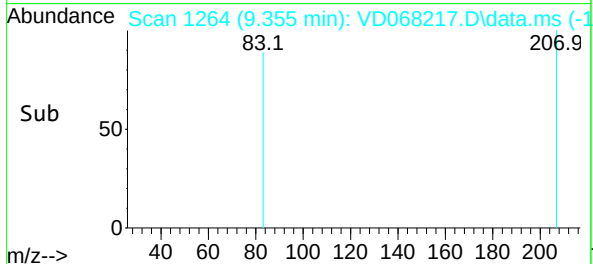
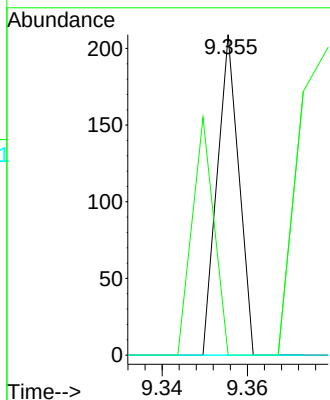
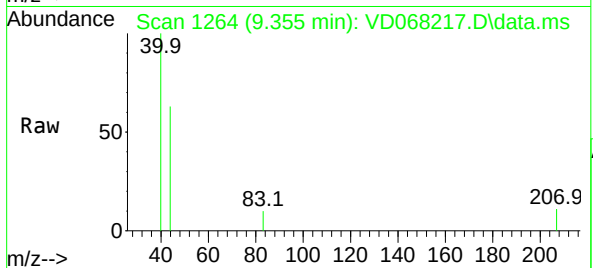
RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068217.D

Acq: 28 Jan 2021 12:29

Tgt Ion:	83	Resp:	74
Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.2	82.8#
98	0.0	39.1	58.7#



#40

Benzene

Concen: 11.47 ug/l

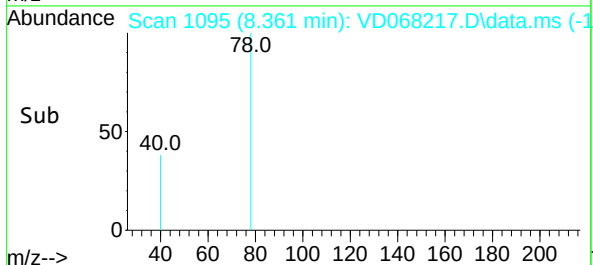
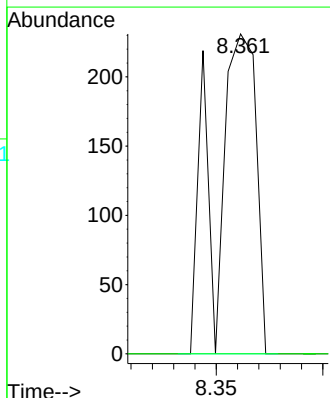
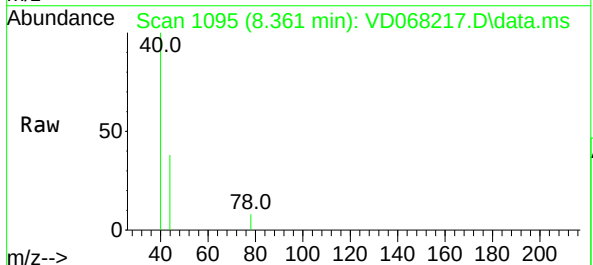
RT: 8.361 min Scan# 1095

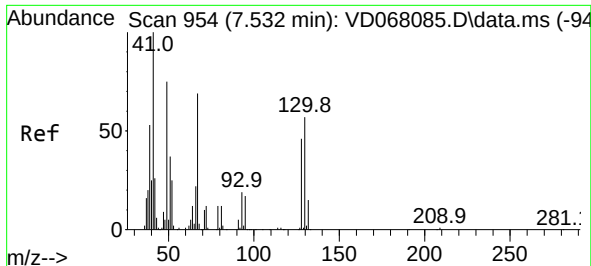
Delta R.T. 0.006 min

Lab File: VD068217.D

Acq: 28 Jan 2021 12:29

Tgt Ion:	78	Resp:	307
Ion	Ratio	Lower	Upper
78	100		
77	0.0	17.8	26.6#

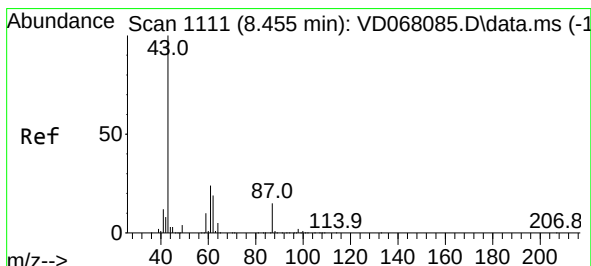
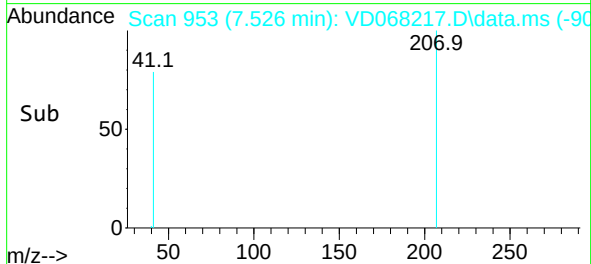
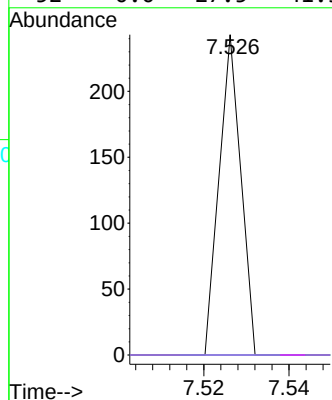
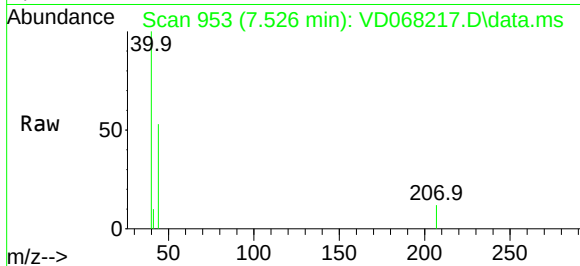




#41
Methacrylonitrile
Concen: 42.09 ug/l
RT: 7.526 min Scan# 953
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

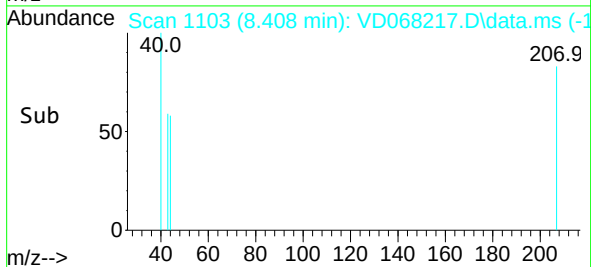
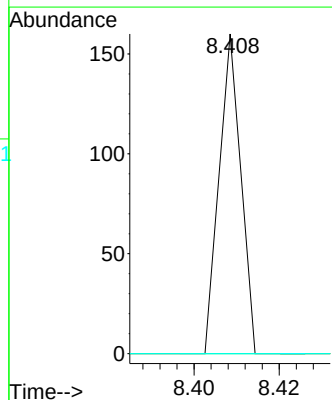
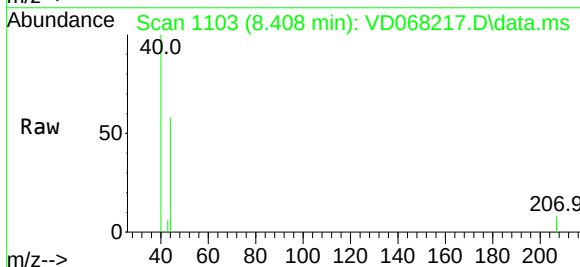
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

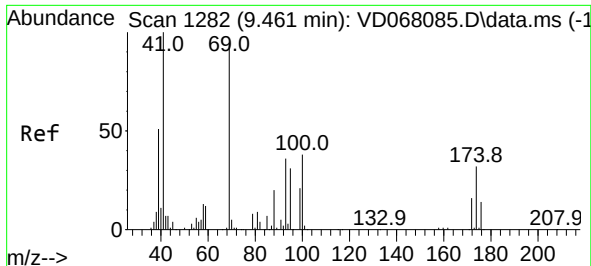
Tgt Ion:	41	Resp:	86
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	67.4	101.2#
52	0.0	27.5	41.3#



#43
Isopropyl Acetate
Concen: 7.94 ug/l
RT: 8.408 min Scan# 1103
Delta R.T. -0.047 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.7	43.1#
87	0.0	13.9	20.9#





#48

Methyl methacrylate

Concen: 22.50 ug/l

RT: 9.526 min Scan# 1293

Delta R.T. 0.065 min

Lab File: VD068217.D

Acq: 28 Jan 2021 12:29

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229

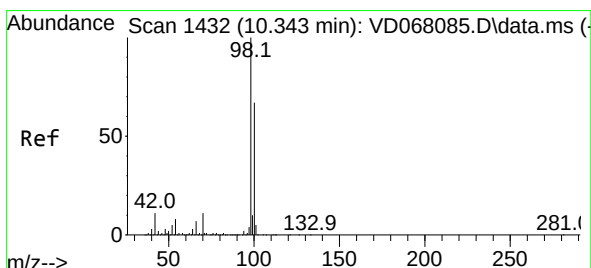
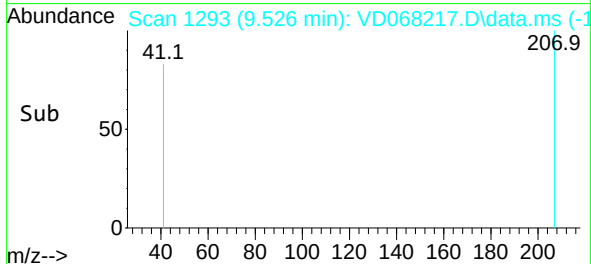
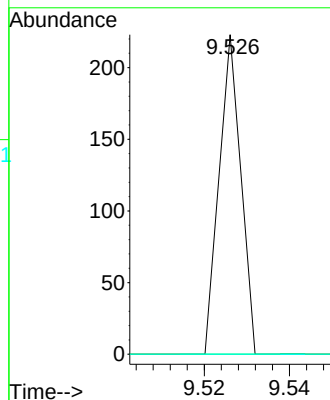
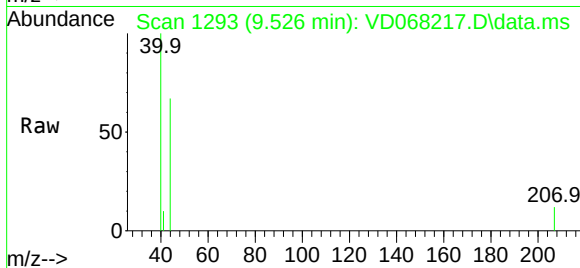
Tgt Ion: 41 Resp: 79

Ion Ratio Lower Upper

41 100

69 0.0 77.1 115.7#

39 0.0 41.5 62.3#



#50

Toluene-d8

Concen: 42.03 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.011 min

Lab File: VD068217.D

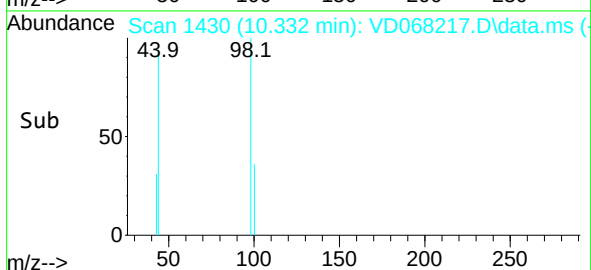
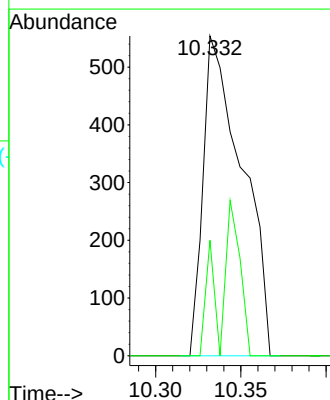
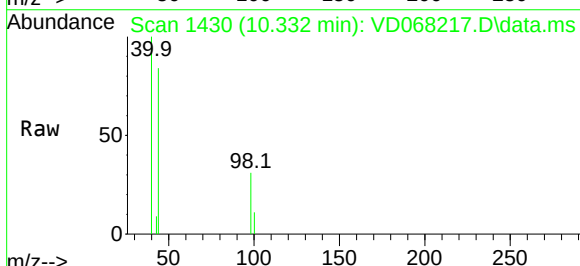
Acq: 28 Jan 2021 12:29

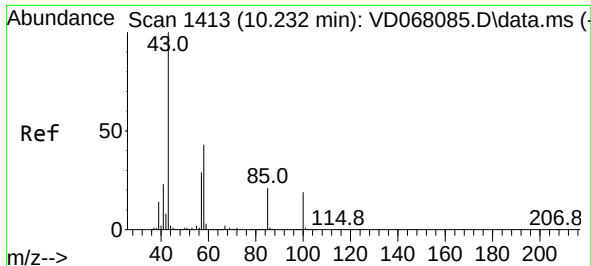
Tgt Ion: 98 Resp: 882

Ion Ratio Lower Upper

98 100

100 25.5 53.0 79.4#

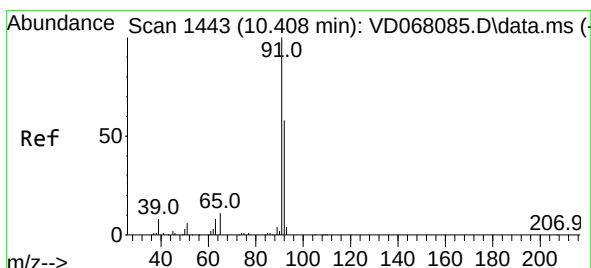
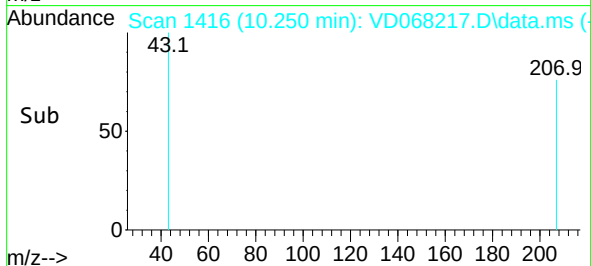
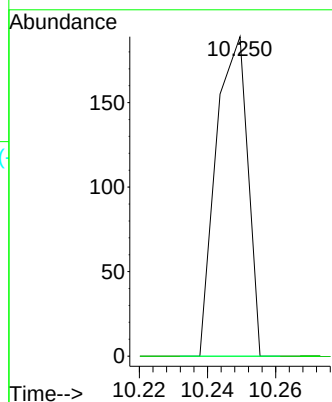
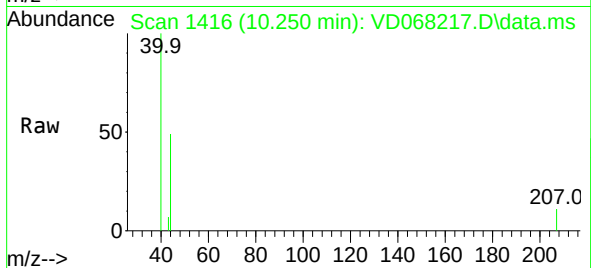




#51
4-Methyl-2-Pentanone
Concen: 36.90 ug/l
RT: 10.250 min Scan# 1416
Delta R.T. 0.018 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

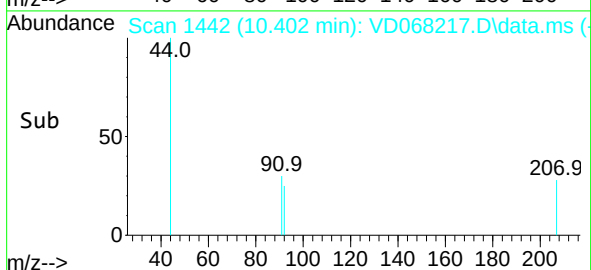
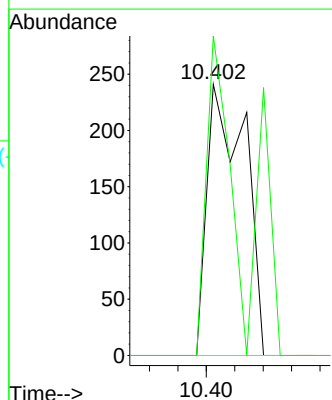
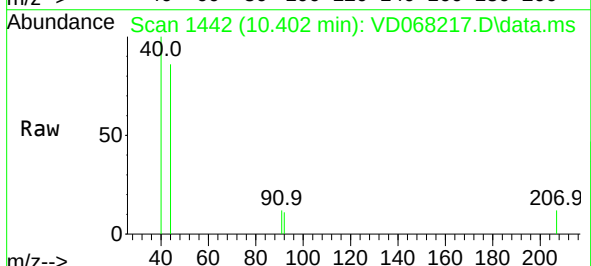
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

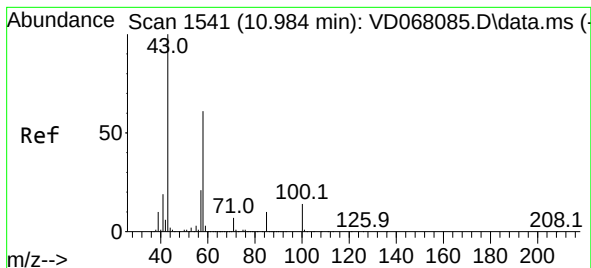
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#



#52
Toluene
Concen: 12.73 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

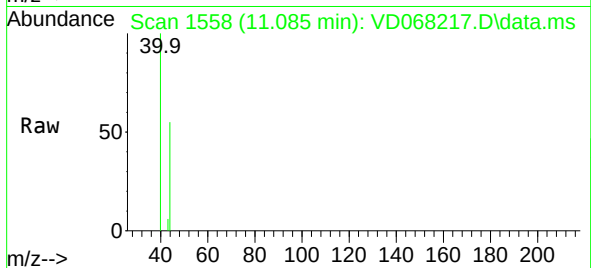
Tgt Ion: 92 Resp: 222
Ion Ratio Lower Upper
92 100
91 72.1 134.1 201.1#



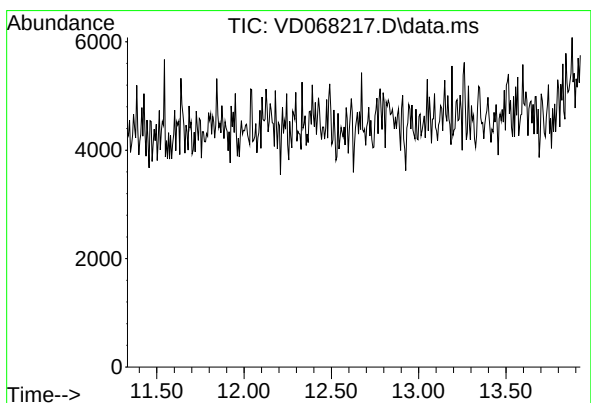
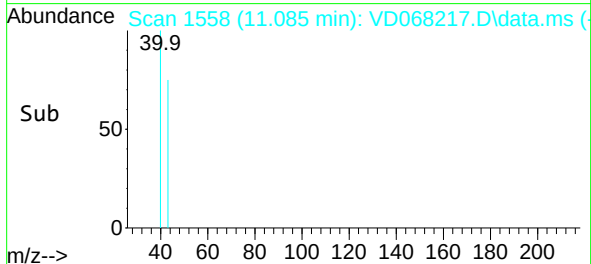
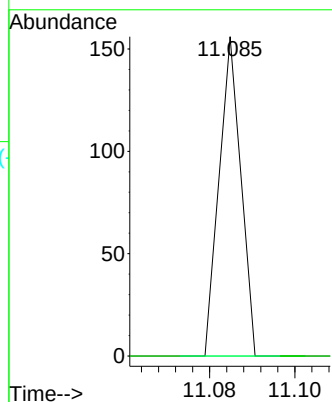


#59
2-Hexanone
Concen: 24.20 ug/l
RT: 11.085 min Scan# 1558
Delta R.T. 0.100 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229



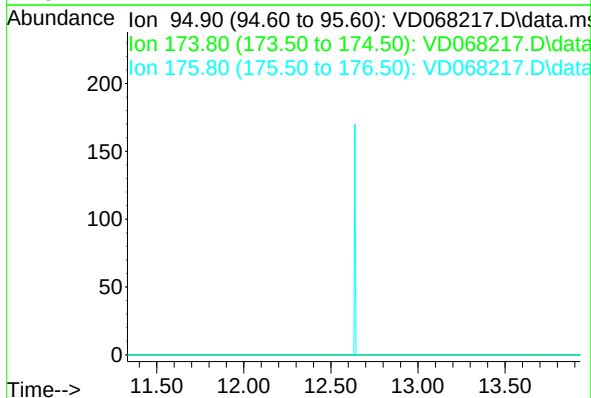
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#

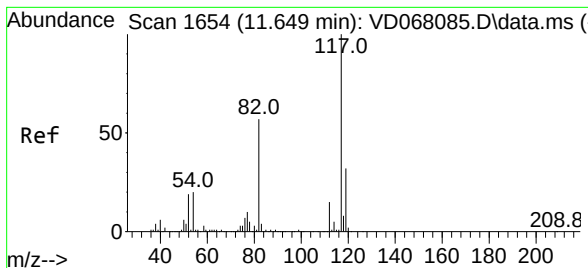


#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 12.63 min

Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 95
Sig Exp Ratio
95 100
174 86.2
176 84.2

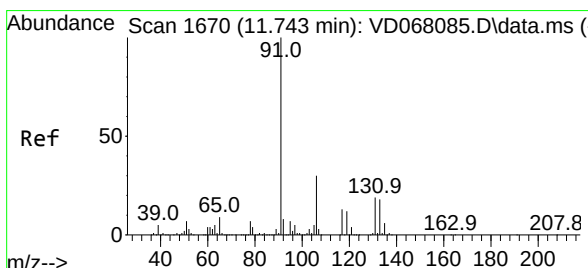
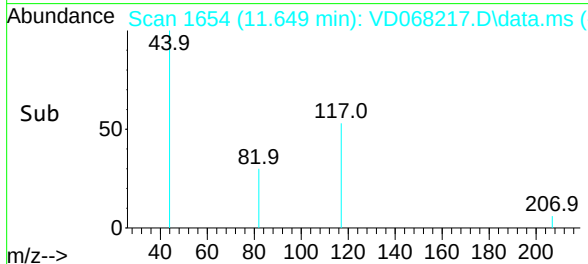
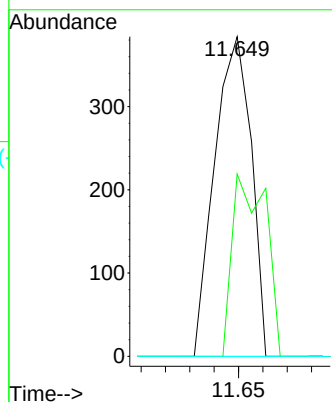
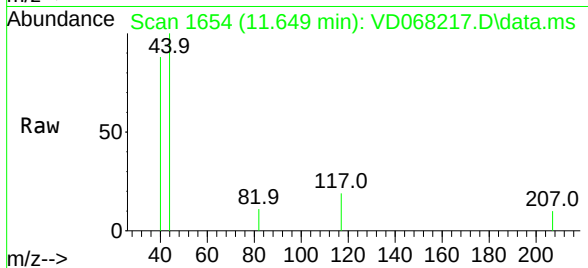




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

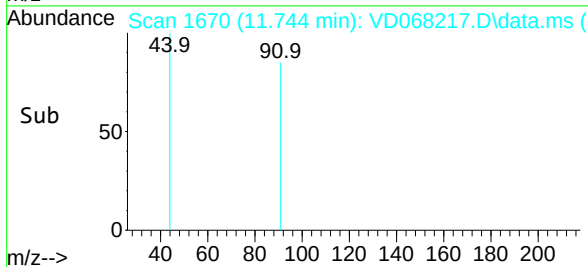
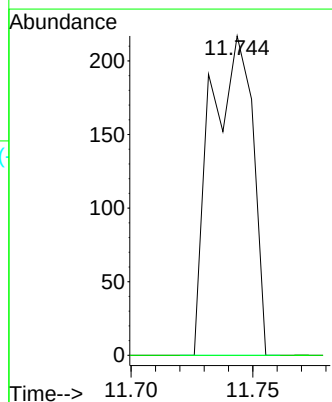
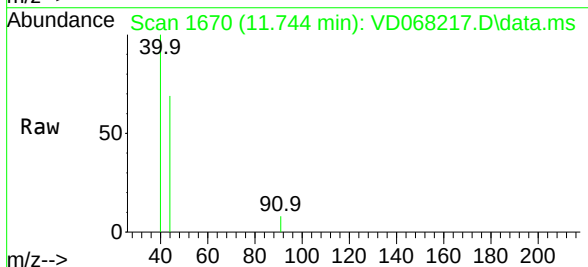
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

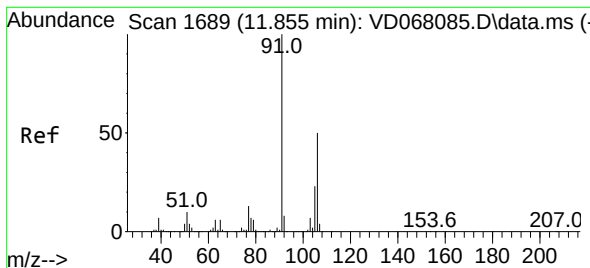
Tgt Ion:117 Resp: 400
Ion Ratio Lower Upper
117 100
82 57.0 41.4 62.0
119 0.0 26.1 39.1#



#67
Ethyl Benzene
Concen: 16.46 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 91 Resp: 259
Ion Ratio Lower Upper
91 100
106 0.0 25.9 38.9#

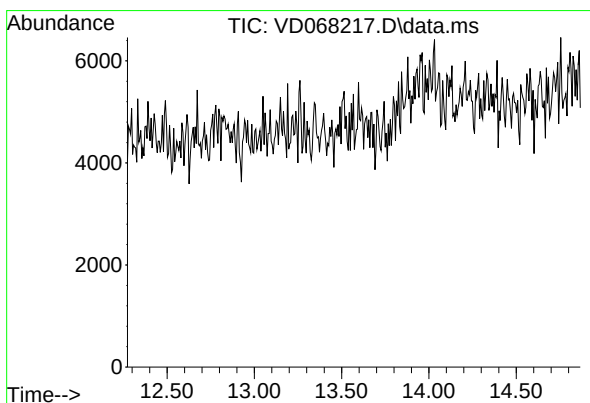
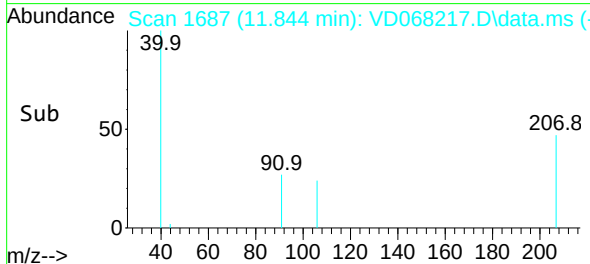
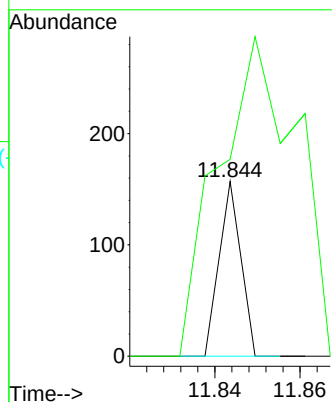
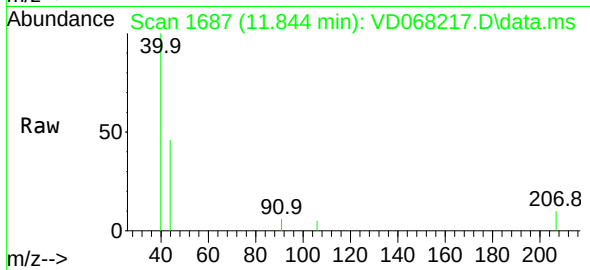




#68
m/p-Xylenes
Concen: 9.26 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.011 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

Tgt Ion:106 Resp: 55
Ion Ratio Lower Upper
106 100
91 663.6 159.1 238.7#



#72
1,4-Dichlorobenzene-d4
Concen: 0.00 ug/l
Expected RT: 13.57 min

Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.9
150 172.2

