Quantitation Report (Not Reviewed)

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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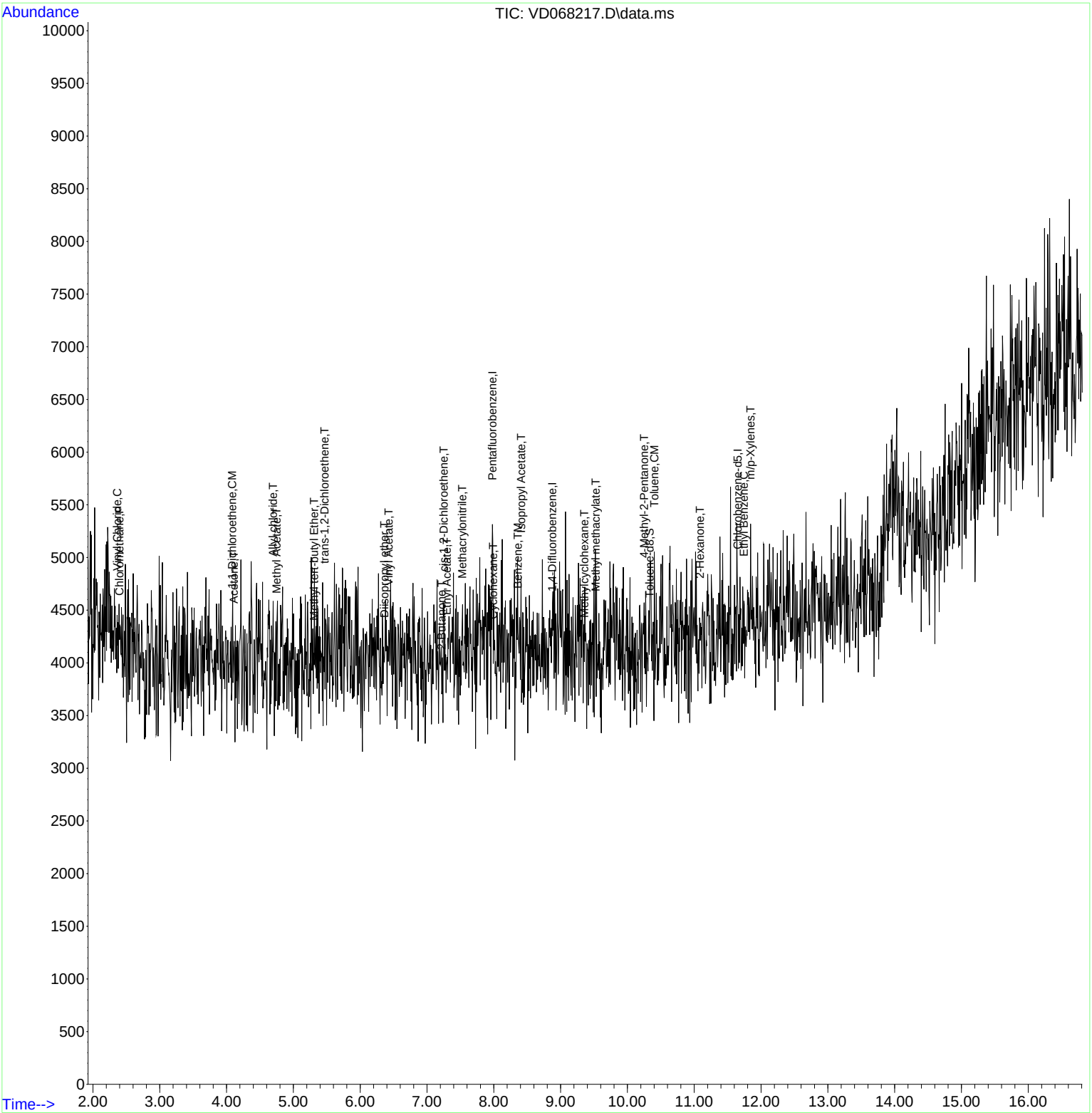
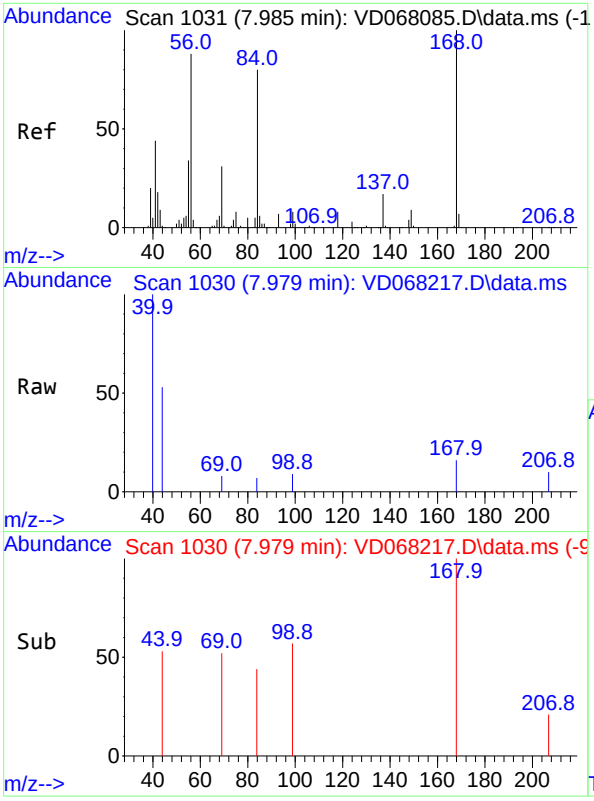
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

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



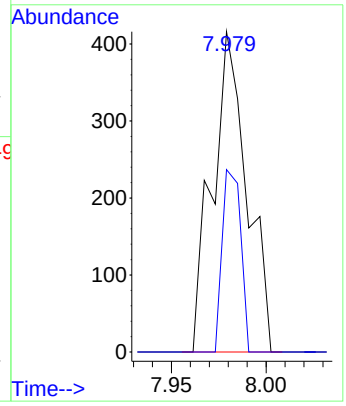
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

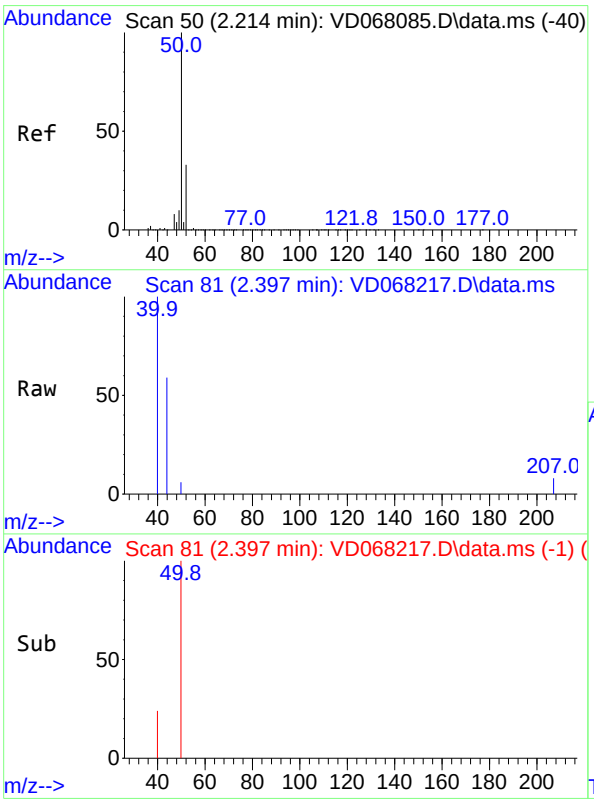


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion:168 Resp: 528

Ion	Ratio	Lower	Upper
168	100		
99	57.0	43.5	65.3

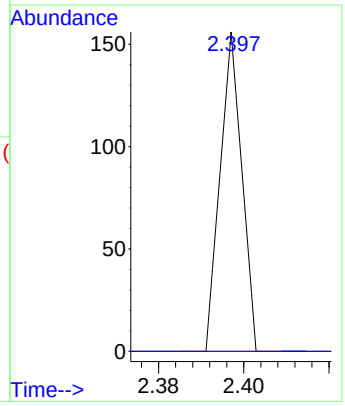


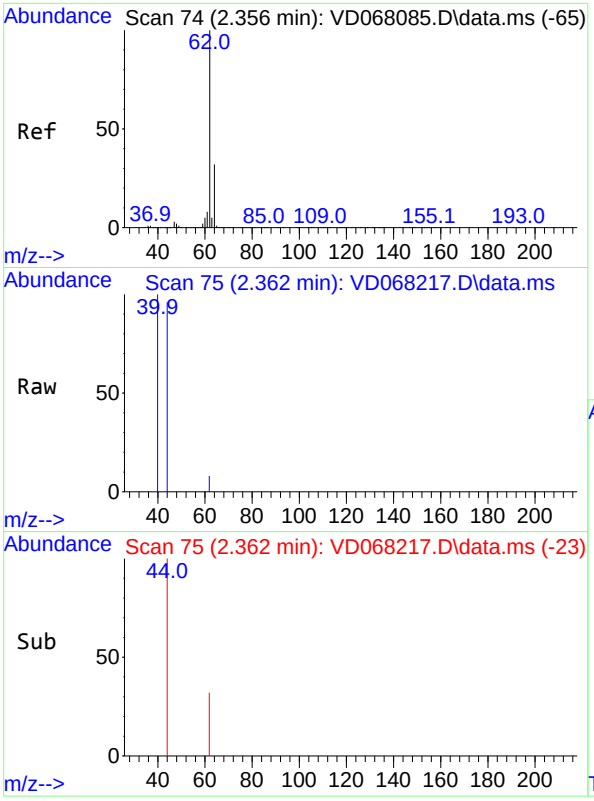


#3
Chloromethane
Concen: 8.14 ug/l
RT: 2.397 min Scan# 81
Delta R.T. 0.183 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 50 Resp: 55

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#

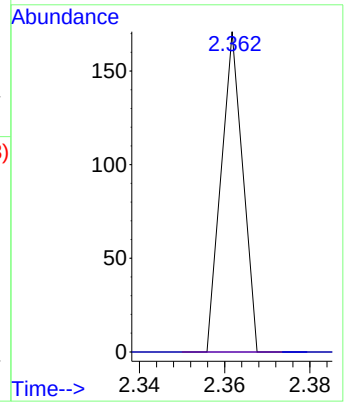




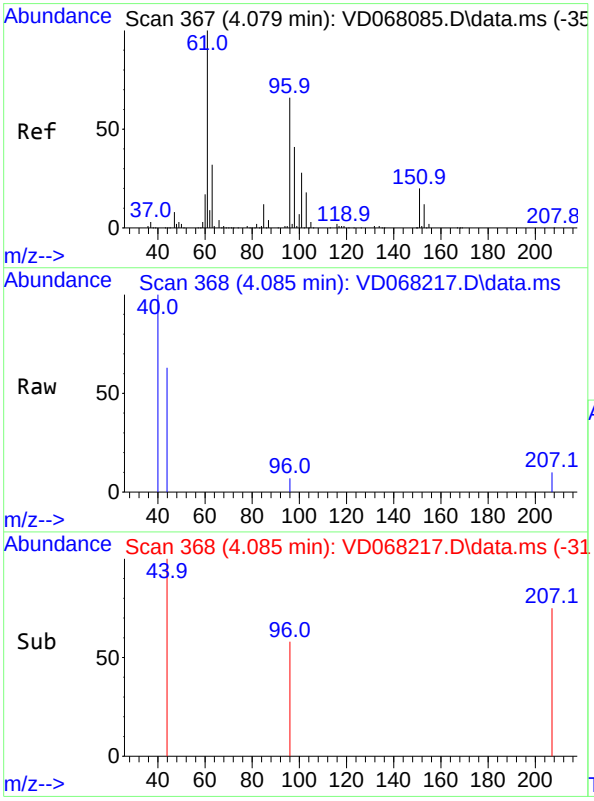
#4
Vinyl Chloride
Concen: 7.99 ug/l
RT: 2.362 min Scan# 75
Delta R.T. 0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 62 Resp: 60

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.4	38.2#



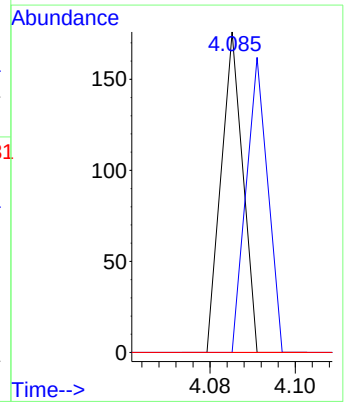
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

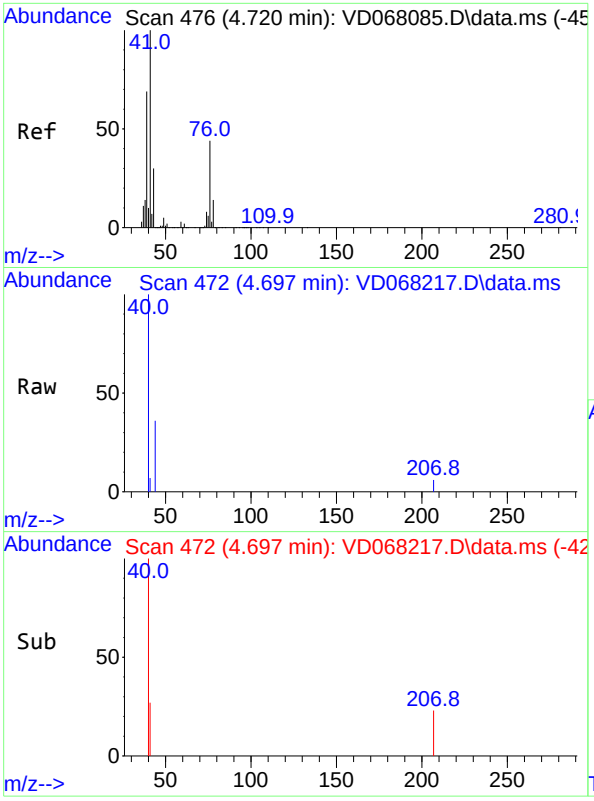


#12
1,1-Dichloroethene
Concen: 10.72 ug/l
RT: 4.085 min Scan# 368
Delta R.T. 0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

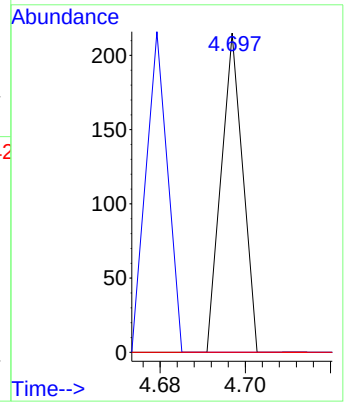




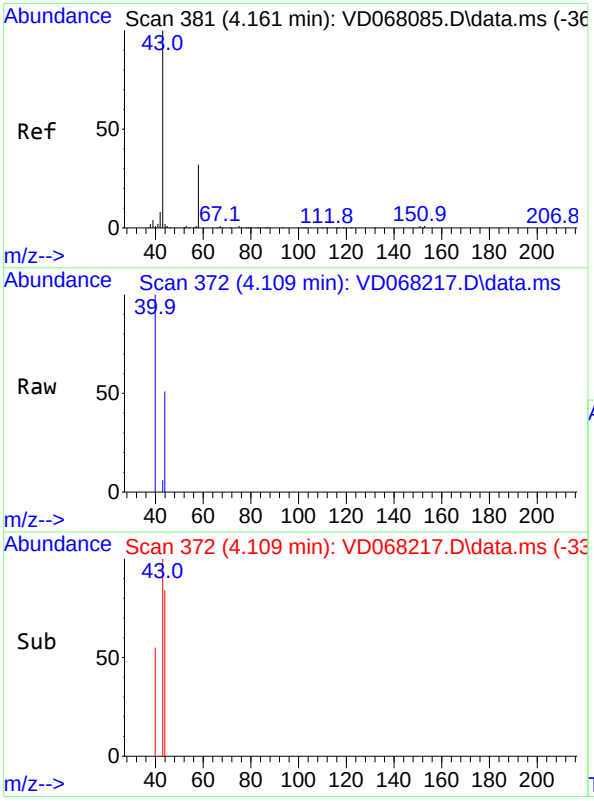
#14
Allyl chloride
Concen: 9.03 ug/l
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#



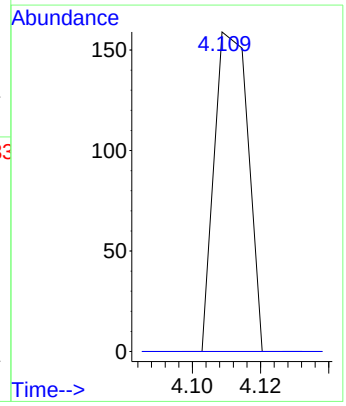
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229



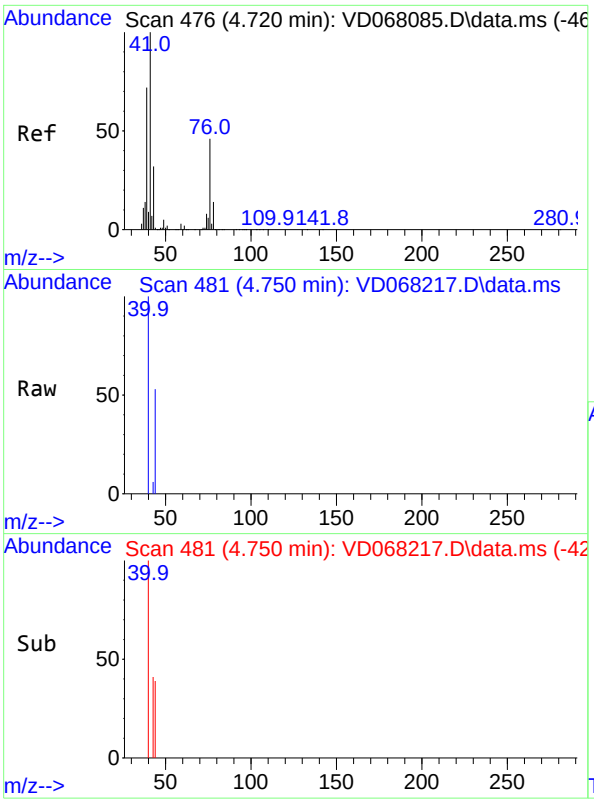
#16
Acetone
Concen: 120.86 ug/l
RT: 4.109 min Scan# 372
Delta R.T. -0.053 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 109

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#



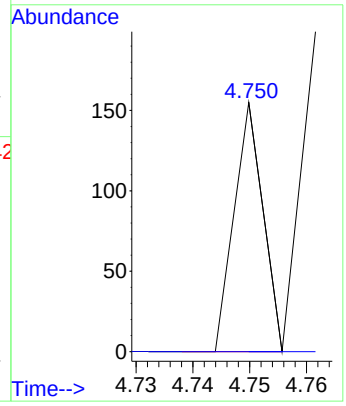
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

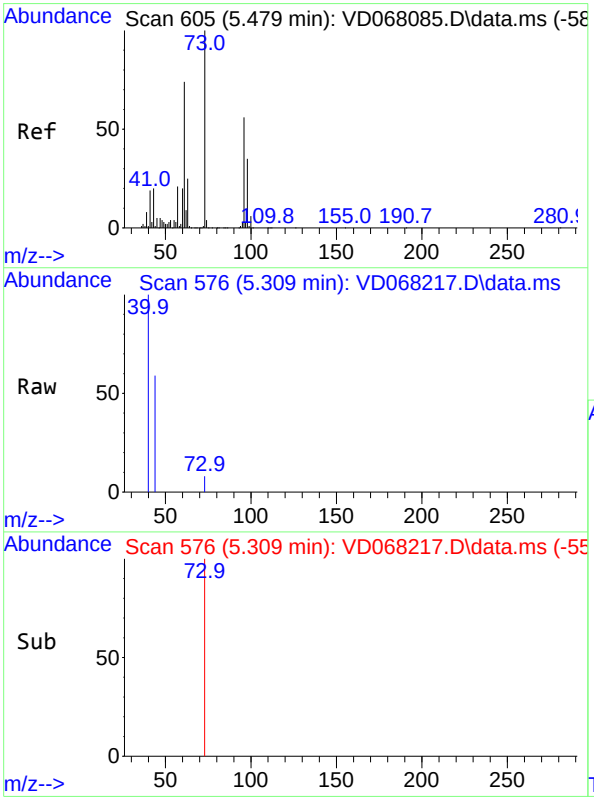


#18
Methyl Acetate
Concen: 23.50 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.030 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
74	0.0	25.4	38.0#

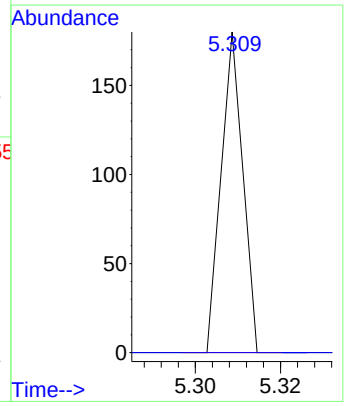




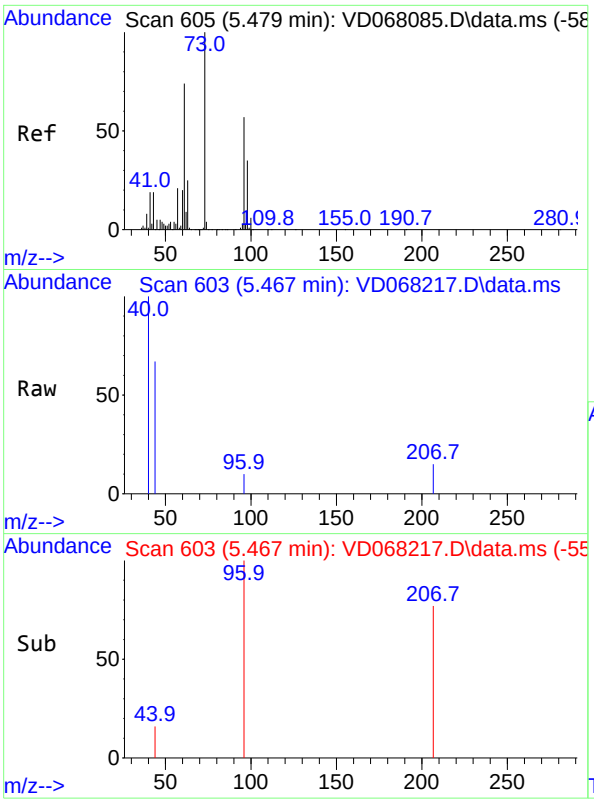
#19
Methyl tert-butyl Ether
Concen: 4.79 ug/l
RT: 5.309 min Scan# 576
Delta R.T. -0.170 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 73 Resp: 64

Ion	Ratio	Lower	Upper
73	100		
57	0.0	14.4	21.6#



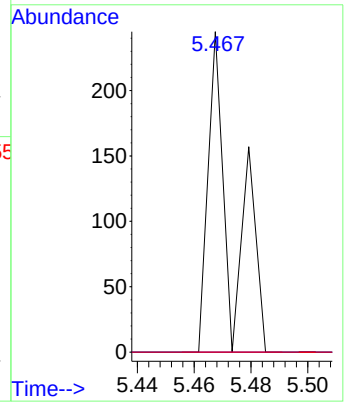
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

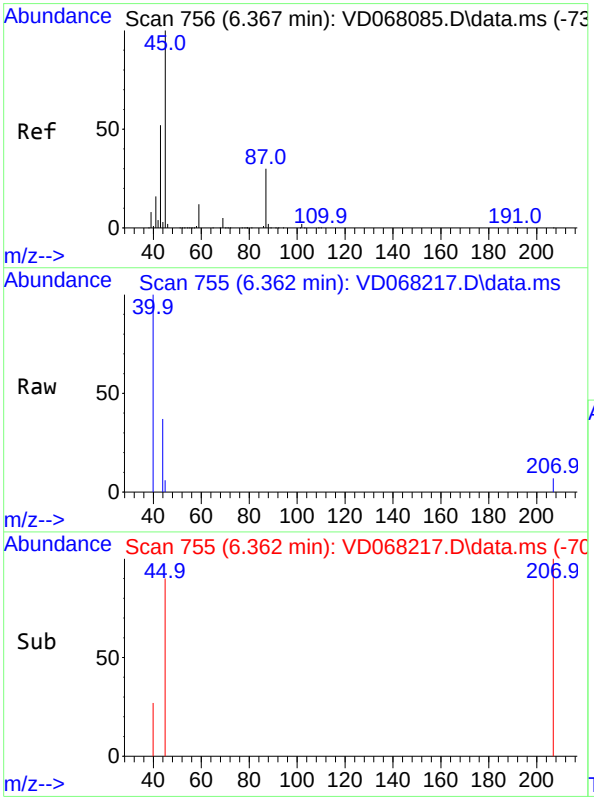


#21
trans-1,2-Dichloroethene
Concen: 21.38 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.011 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

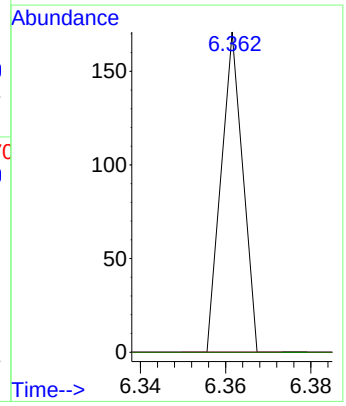


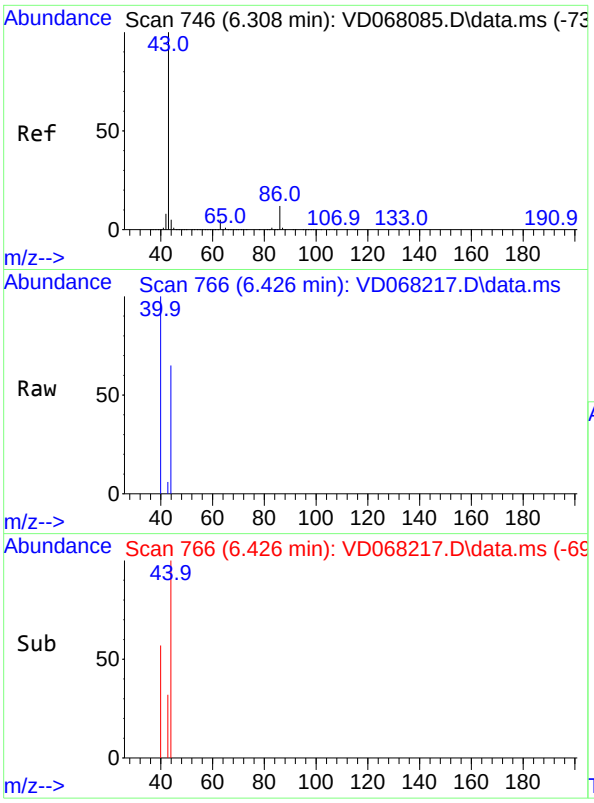


#22
Diisopropyl ether
Concen: 3.53 ug/l
RT: 6.362 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

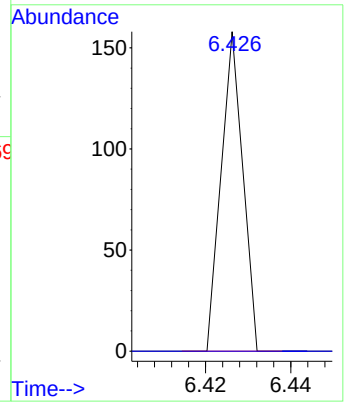




#23
Vinyl Acetate
Concen: 6.19 ug/l
RT: 6.426 min Scan# 766
Delta R.T. 0.118 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



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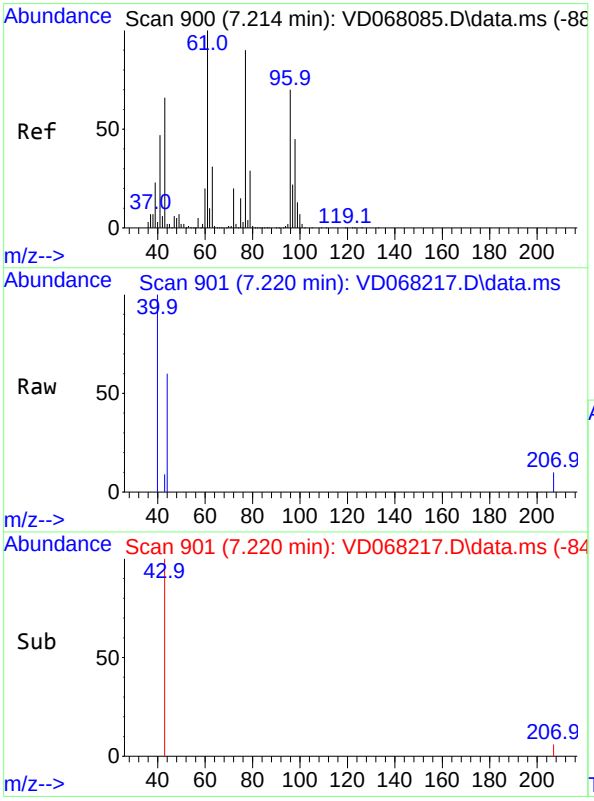
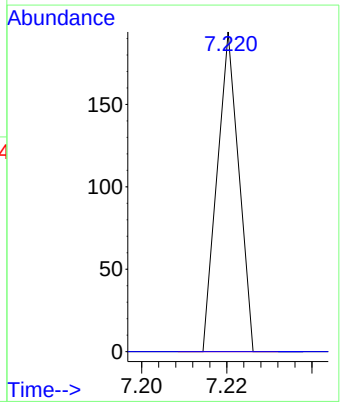


#25
2-Butanone
Concen: 50.08 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 68

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#



Instrument :
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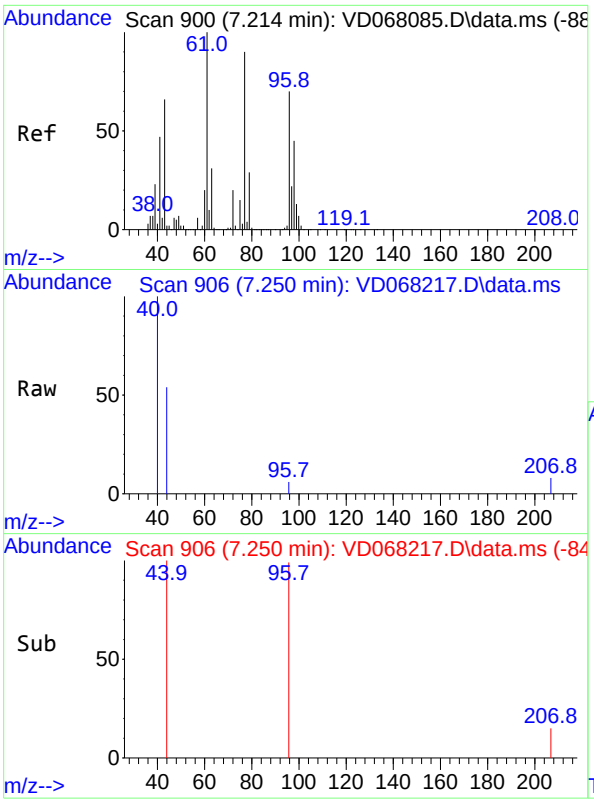
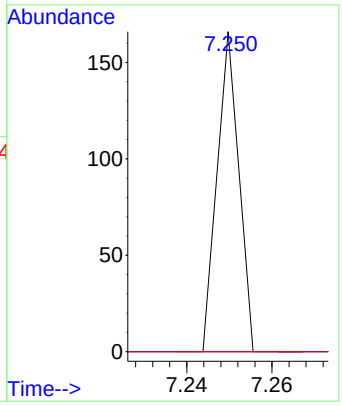
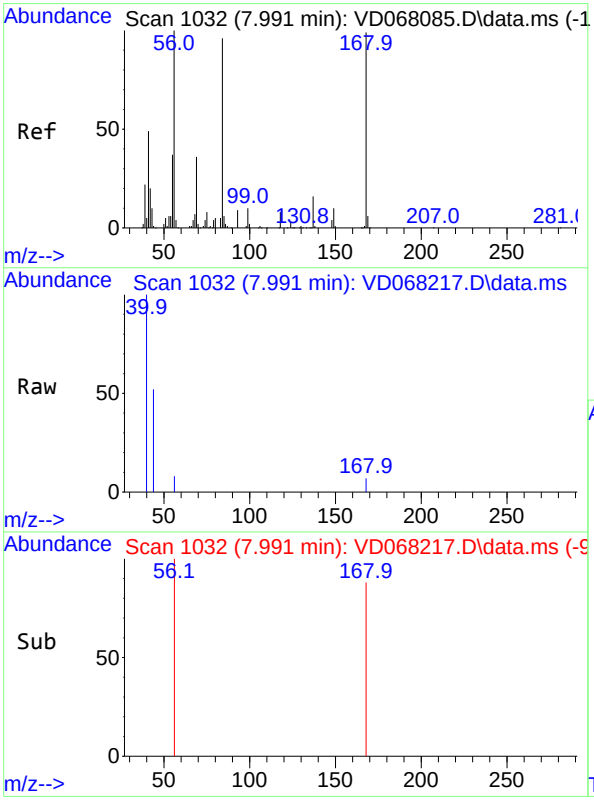


#27
cis-1,2-Dichloroethene
Concen: 8.18 ug/l
RT: 7.250 min Scan# 906
Delta R.T. 0.036 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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

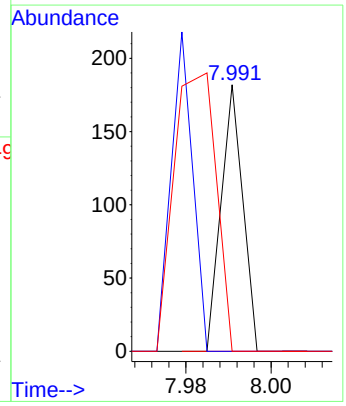


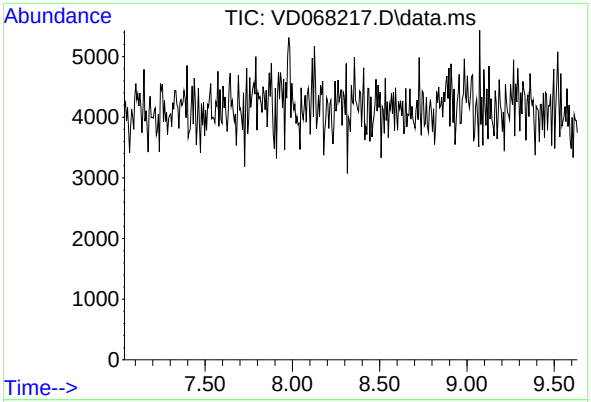


#31
Cyclohexane
Concen: 5.85 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#





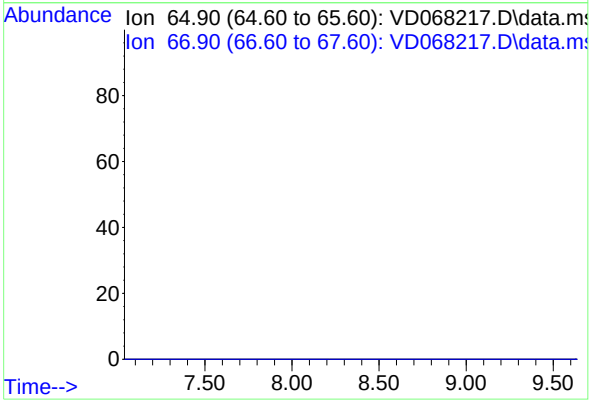
#33
1,2-Dichloroethane-d4
Concen: 0.00 ug/l
Expected RT: 8.34 min

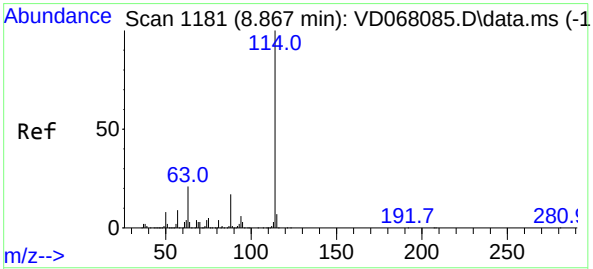
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.5

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

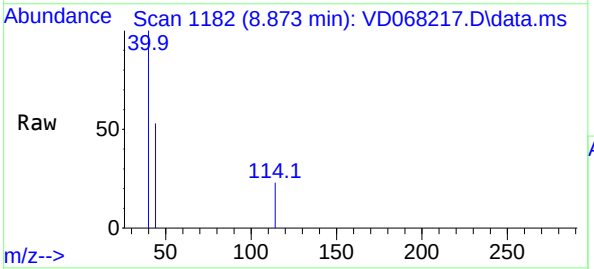


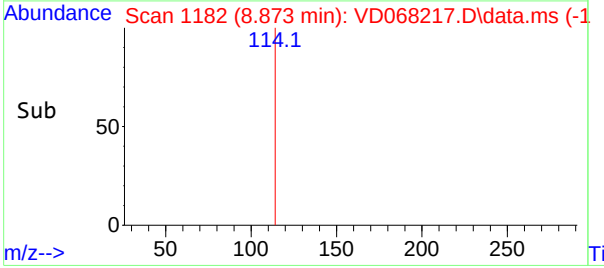


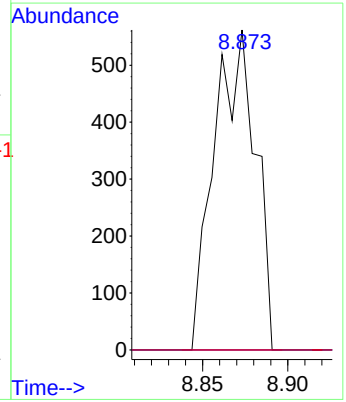
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

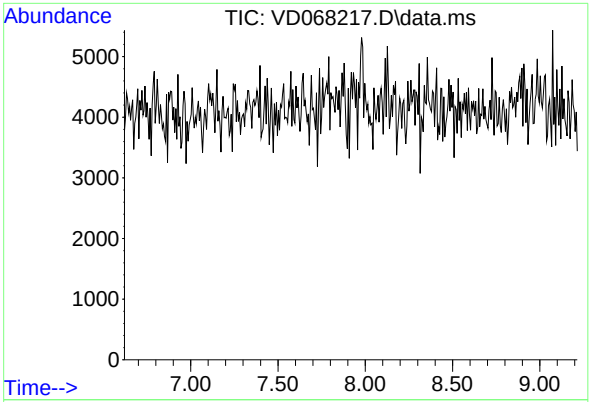
Tgt Ion:114 Resp: 949

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	34.8
88	0.0	0.0	31.6









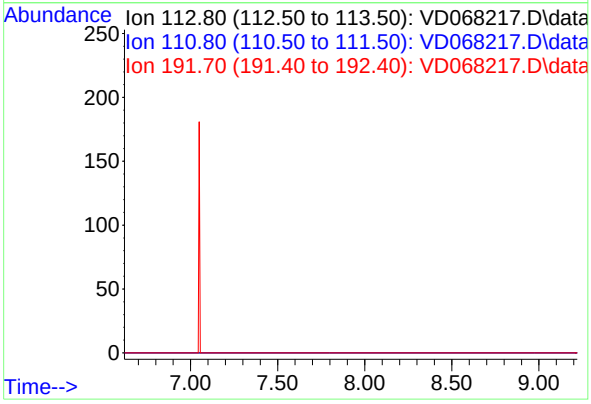
#35
Dibromofluoromethane
Concen: 0.00 ug/l
Expected RT: 7.92 min

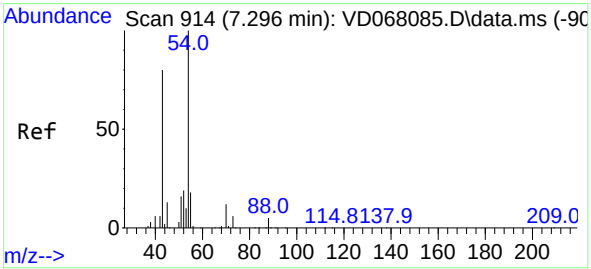
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.7
192	20.1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

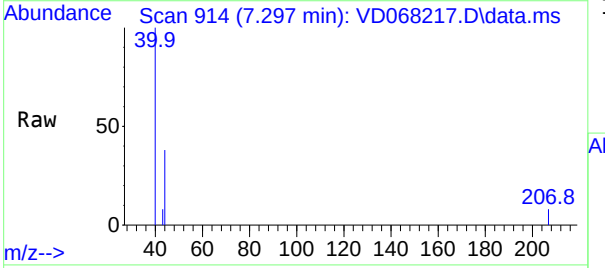


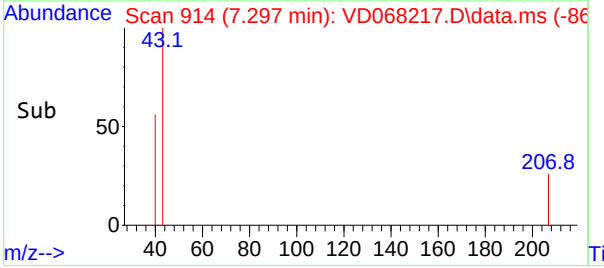


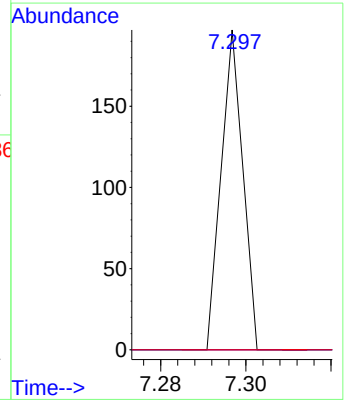
#37
Ethyl Acetate
Concen: 20.68 ug/l
RT: 7.297 min Scan# 914
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 70

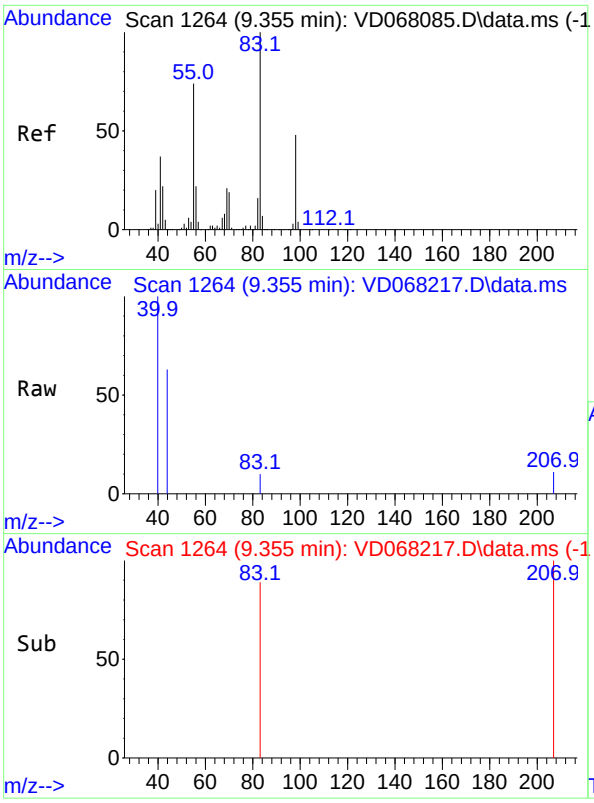
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	11.0	16.6#







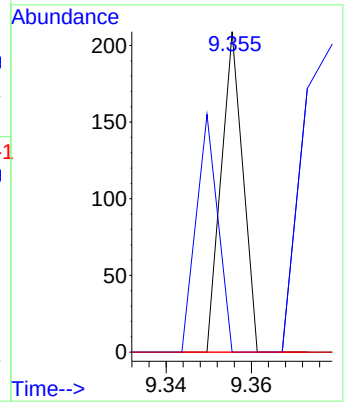
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

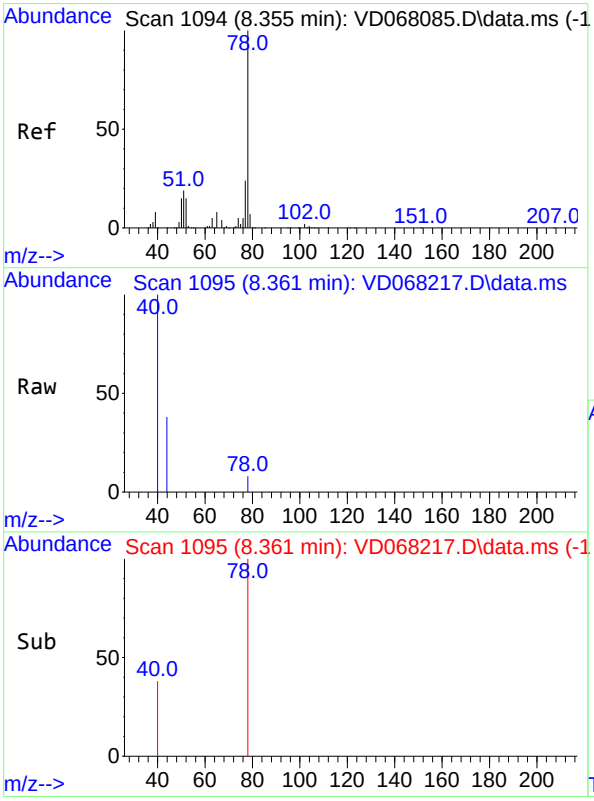


#39
Methylcyclohexane
Concen: 5.91 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

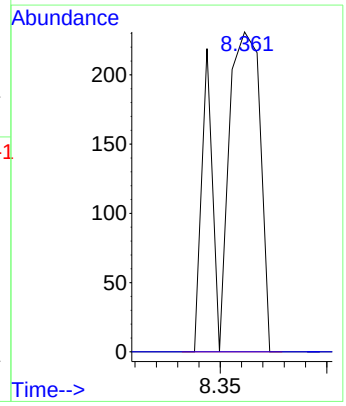


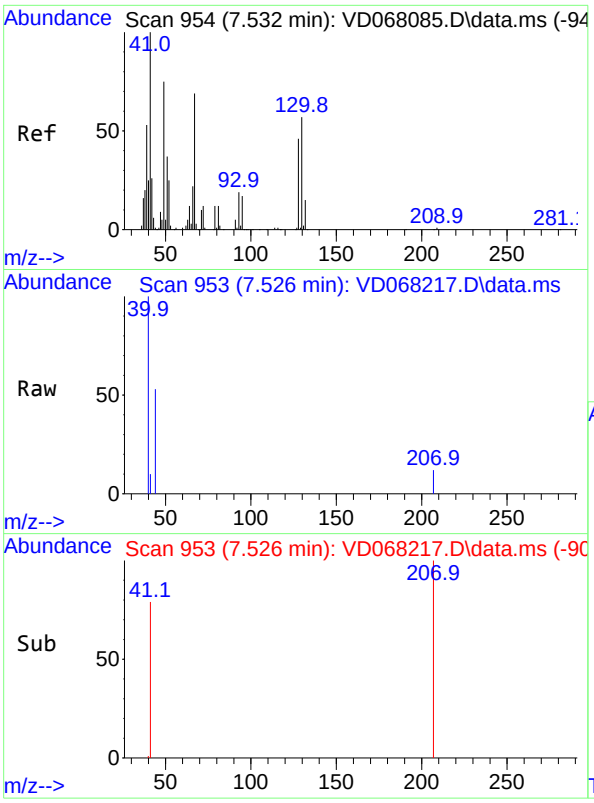


#40
Benzene
Concen: 11.47 ug/l
RT: 8.361 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 78 Resp: 307

Ion	Ratio	Lower	Upper
78	100		
77	0.0	17.8	26.6#

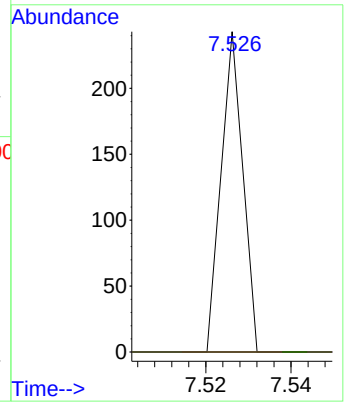




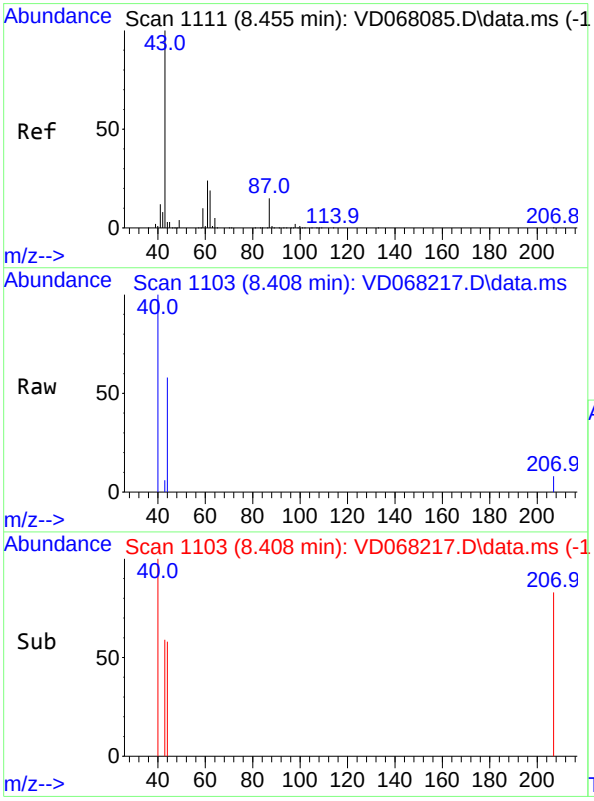
#41
Methacrylonitrile
Concen: 42.09 ug/l
RT: 7.526 min Scan# 953
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#



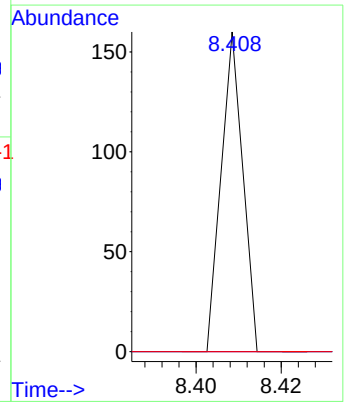
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229



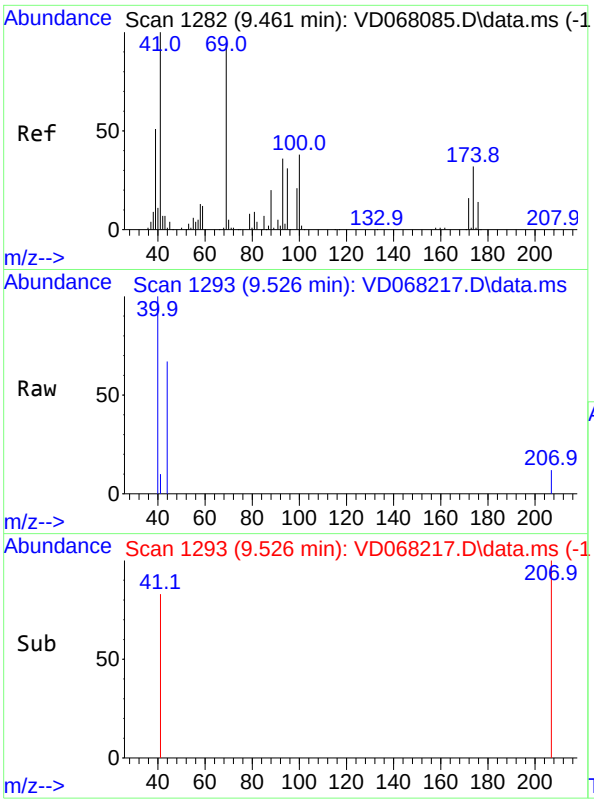
#43
Isopropyl Acetate
Concen: 7.94 ug/l
RT: 8.408 min Scan# 1103
Delta R.T. -0.047 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#



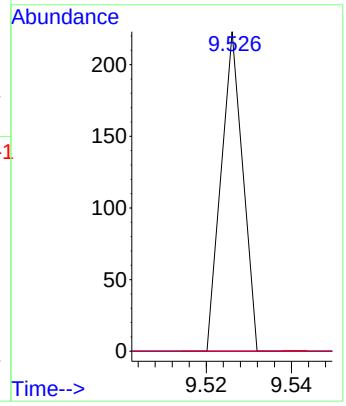
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

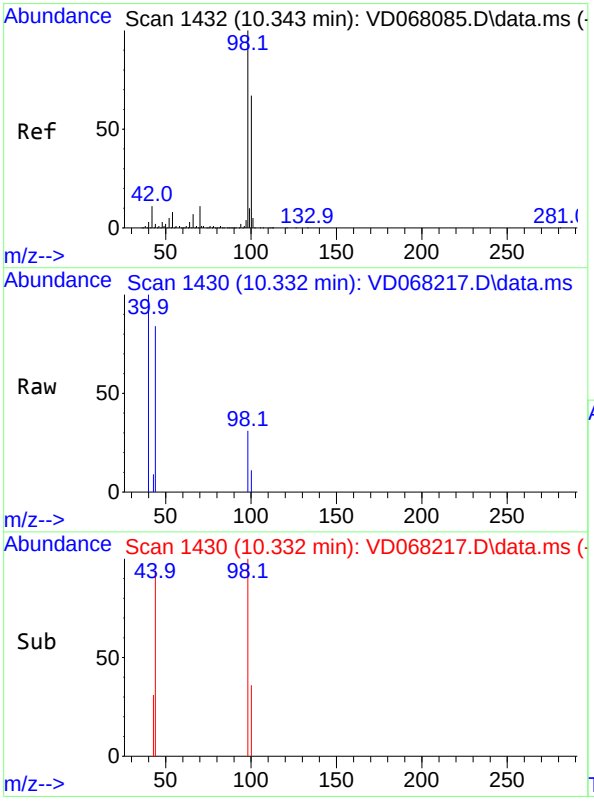


#48
Methyl methacrylate
Concen: 22.50 ug/l
RT: 9.526 min Scan# 1293
Delta R.T. 0.065 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

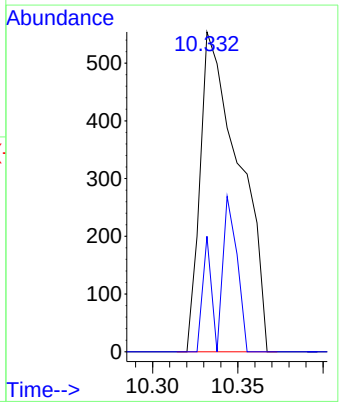




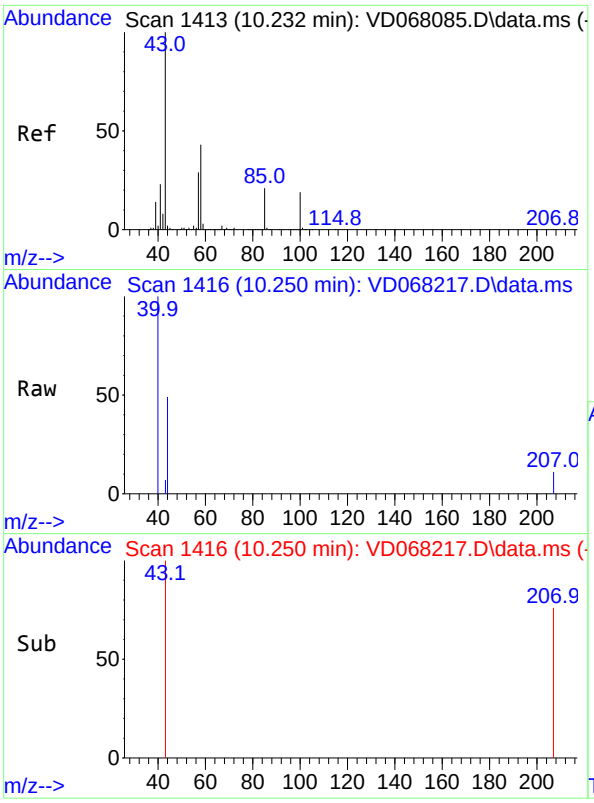
#50
Toluene-d8
Concen: 42.03 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.011 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 98 Resp: 882

Ion	Ratio	Lower	Upper
98	100		
100	25.5	53.0	79.4#



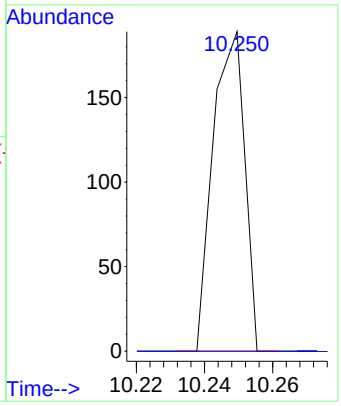
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

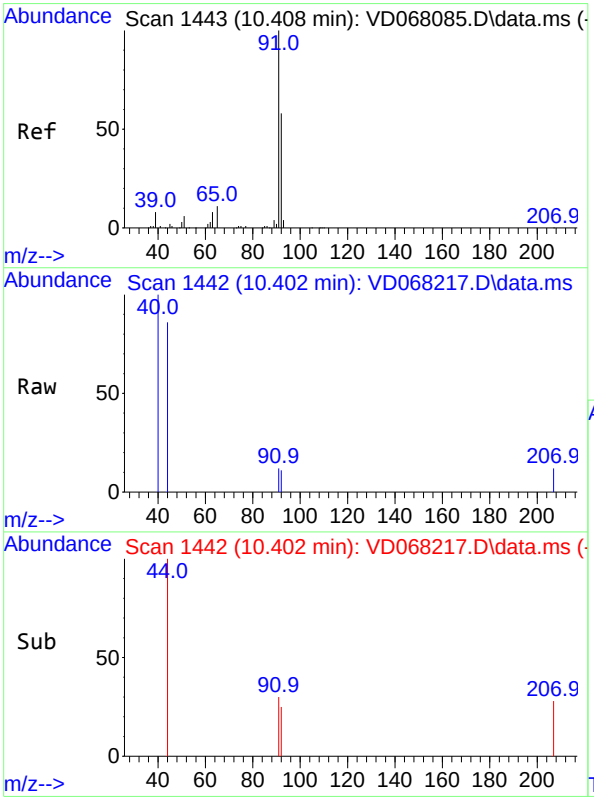


#51
4-Methyl-2-Pentanone
Concen: 36.90 ug/l
RT: 10.250 min Scan# 1416
Delta R.T. 0.018 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 121

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.1	54.1#

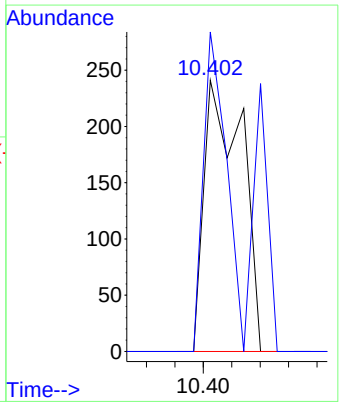




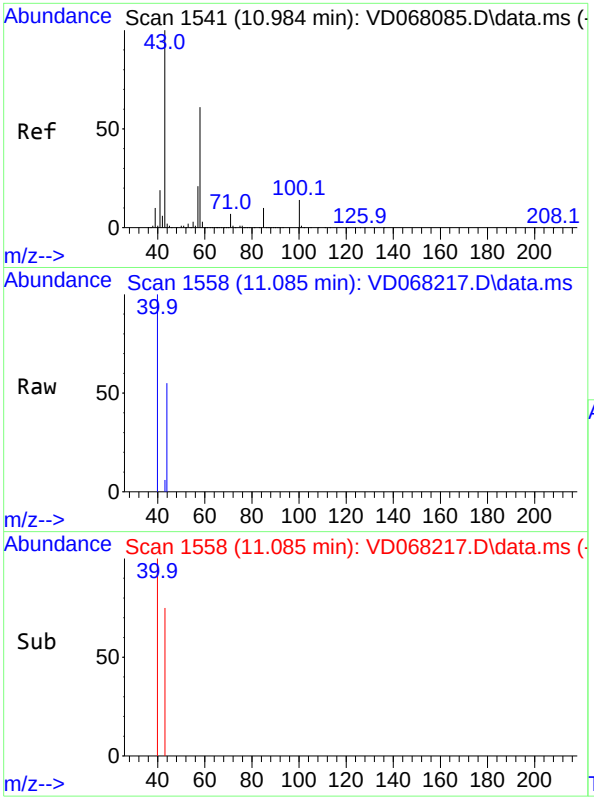
#52
Toluene
Concen: 12.73 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 92 Resp: 222

Ion	Ratio	Lower	Upper
92	100		
91	72.1	134.1	201.1#



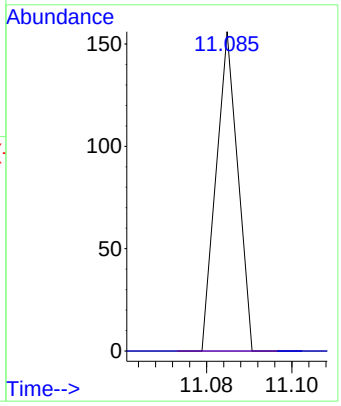
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

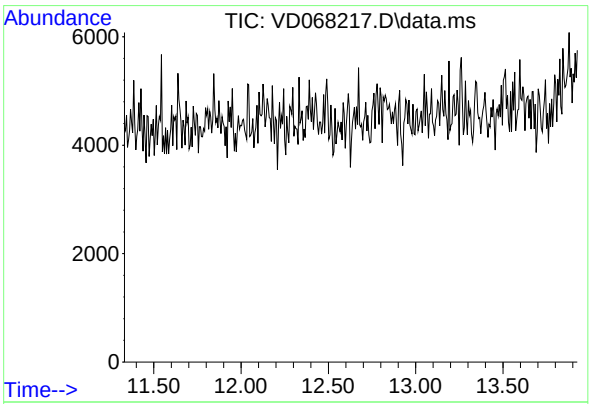


#59
2-Hexanone
Concen: 24.20 ug/l
RT: 11.085 min Scan# 1558
Delta R.T. 0.100 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.0	93.0#



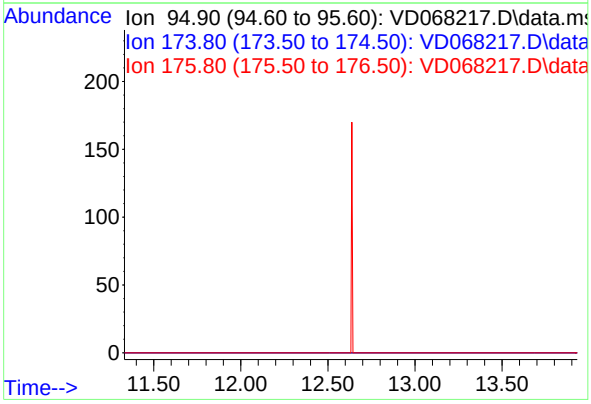


#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 12.63 min

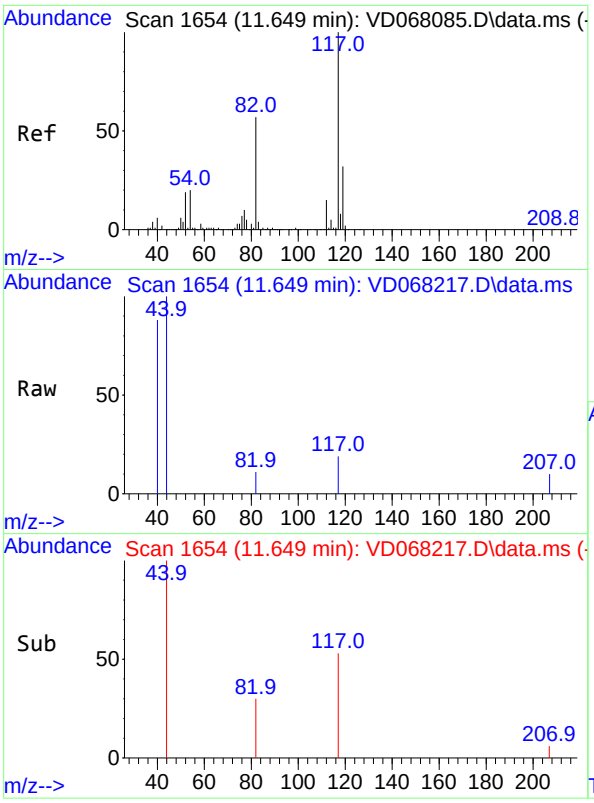
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	86.2
176	84.2



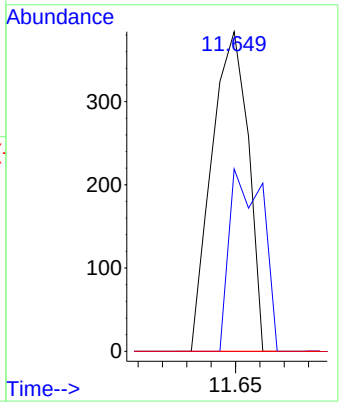
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

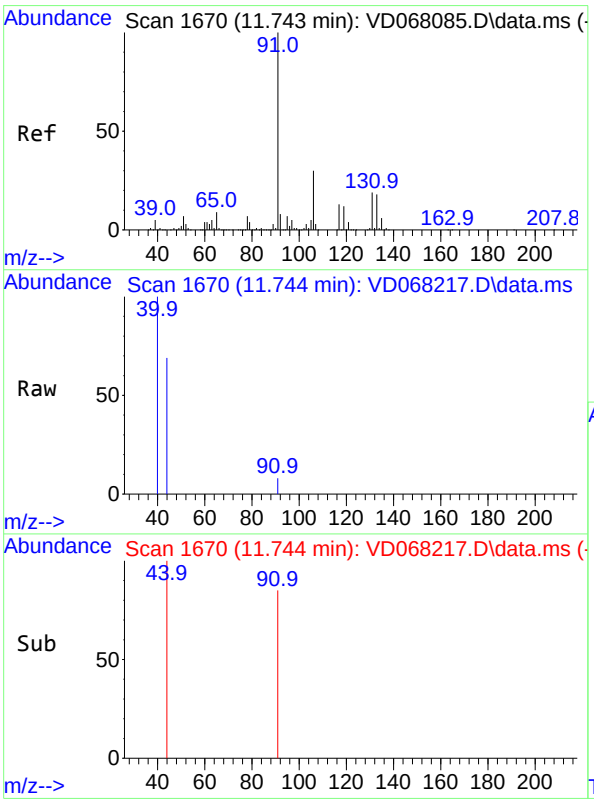


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

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#

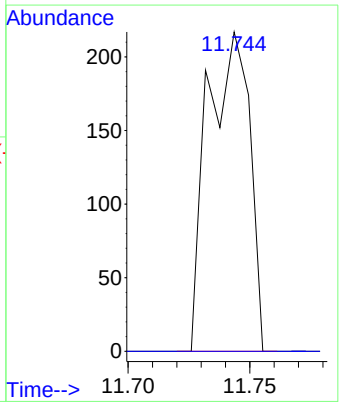


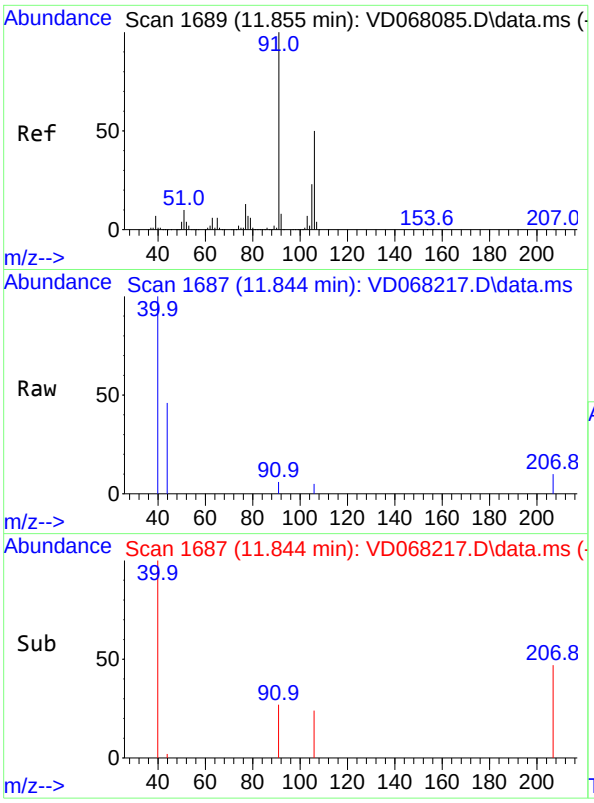


#67
Ethyl Benzene
Concen: 16.46 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion: 91 Resp: 259

Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.9	38.9#

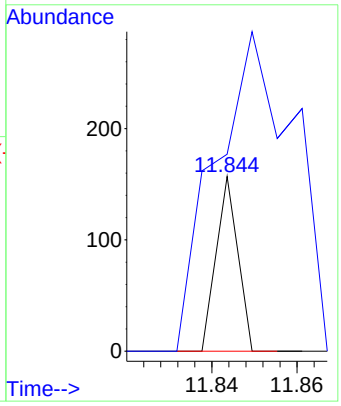




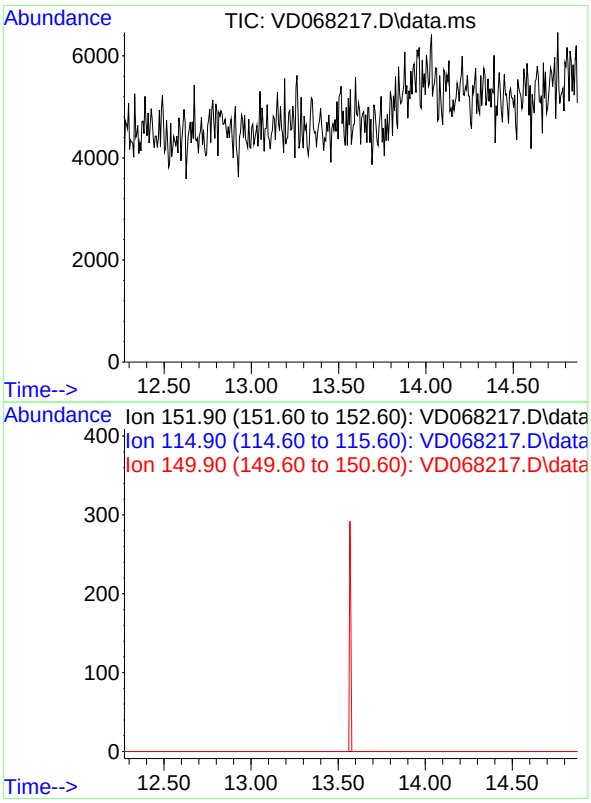
#68
m/p-Xylenes
Concen: 9.26 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.011 min
Lab File: VD068217.D
Acq: 28 Jan 2021 12:29

Tgt Ion:106 Resp: 55

Ion	Ratio	Lower	Upper
106	100		
91	663.6	159.1	238.7#



Instrument :
MSVOA_D
ClientSampleId :
VNJ-229



#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