

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068216.D
 Acq On : 28 Jan 2021 12:01
 Operator : VA/SY
 Sample : M1253-05
 Misc : 5.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-201

Quant Time: Jan 29 00:07:22 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)

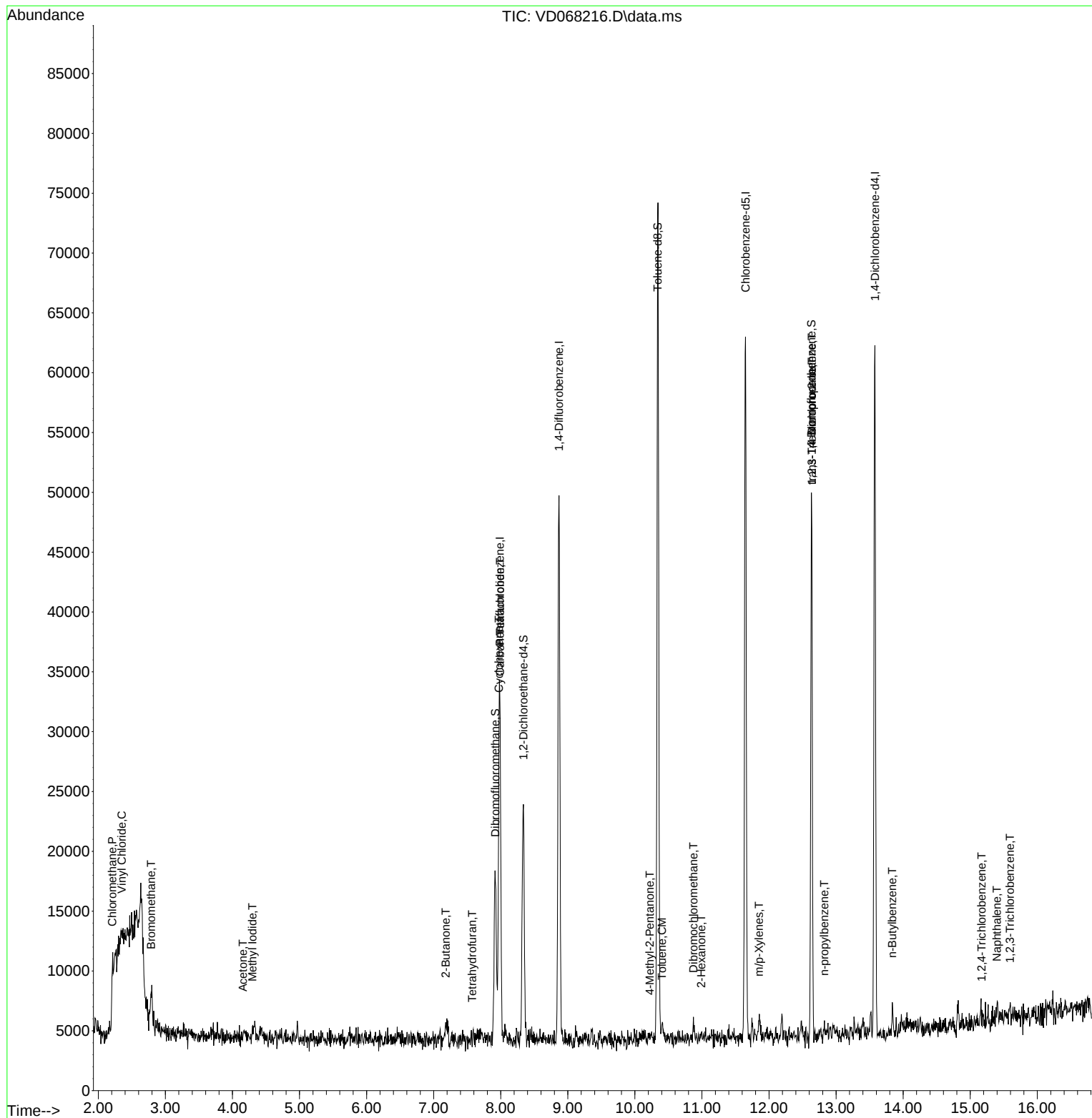
Internal Standards						
1) Pentafluorobenzene	7.985	168	22566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	41291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	35714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	15071	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	15996	74.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.20%			
35) Dibromofluoromethane	7.920	113	10663	46.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.42%			
50) Toluene-d8	10.338	98	48955	53.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.22%			
62) 4-Bromofluorobenzene	12.632	95	16223	49.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.68%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1247	4.32	ug/l #	88
4) Vinyl Chloride	2.350	62	376	1.17	ug/l #	43
5) Bromomethane	2.785	94	2051	9.31	ug/l	89
10) Methyl Iodide	4.297	142	888	6.18	ug/l #	38
16) Acetone	4.156	43	369	9.57	ug/l #	44
20) Methylene Chloride	4.979	84	600	Below Cal	#	43
25) 2-Butanone	7.179	43	68	1.17	ug/l #	43
29) Tetrahydrofuran	7.573	42	71	1.89	ug/l #	26
31) Cyclohexane	7.973	56	1445	3.09	ug/l #	85
38) Carbon Tetrachloride	7.991	117	2640	6.77	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	159	1.11	ug/l #	31
52) Toluene	10.402	92	923	1.22	ug/l	77
59) 2-Hexanone	10.991	43	258	2.61	ug/l #	19
60) Dibromochloromethane	10.873	129	259	1.01	ug/l #	11
68) m/p-Xylenes	11.849	106	931	1.76	ug/l	96
76) 1,2,3-Trichloropropane	12.638	75	8095	55.55	ug/l #	100
78) n-propylbenzene	12.826	91	1683	1.13	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.638	75	8095	112.41	ug/l #	13
89) n-Butylbenzene	13.838	91	1315	1.22	ug/l #	78
93) 1,2,4-Trichlorobenzene	15.167	180	655	2.16	ug/l #	85
95) Naphthalene	15.396	128	1619	2.84	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.590	180	645	2.52	ug/l #	88

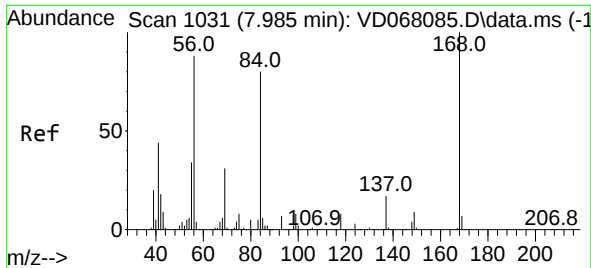
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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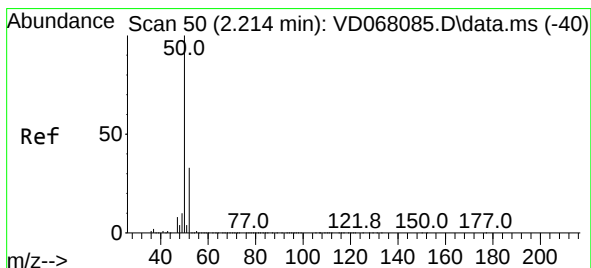
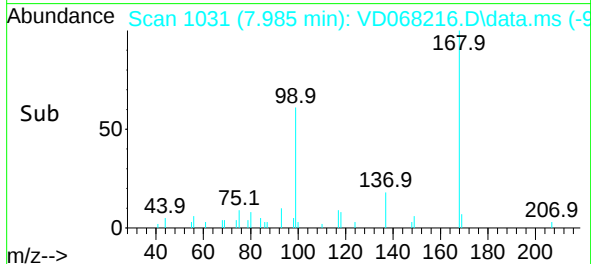
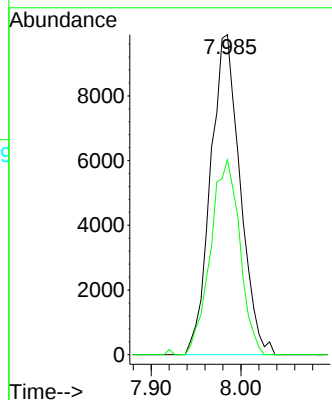
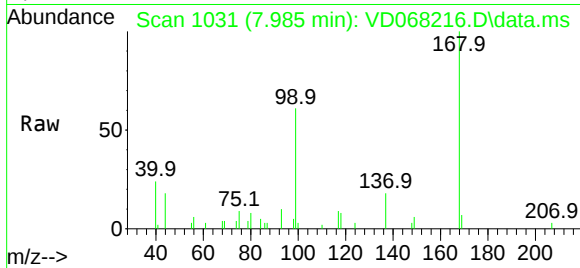




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

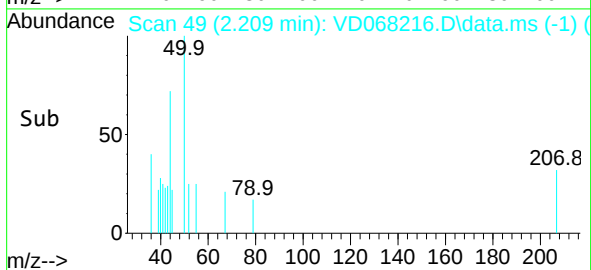
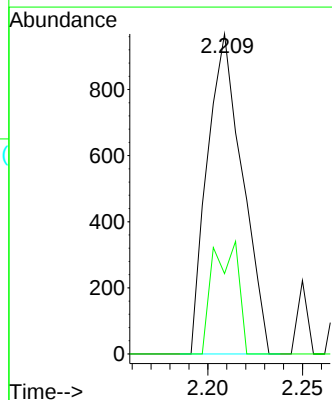
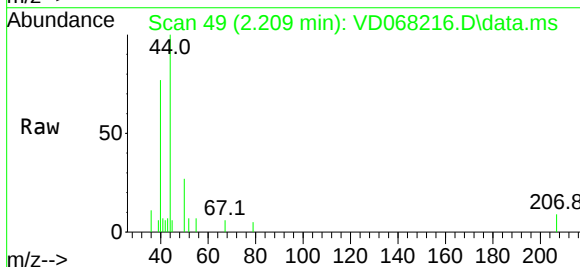
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

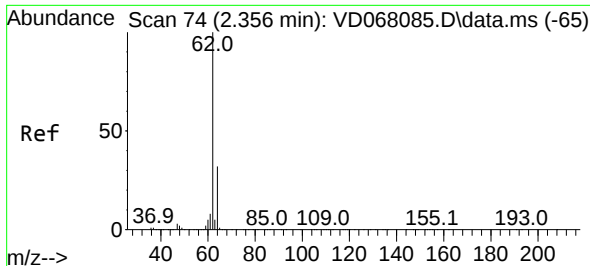
Tgt Ion:168 Resp: 22566
Ion Ratio Lower Upper
168 100
99 60.9 43.5 65.3



#3
Chloromethane
Concen: 4.32 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.005 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 25.1 25.4 38.2#

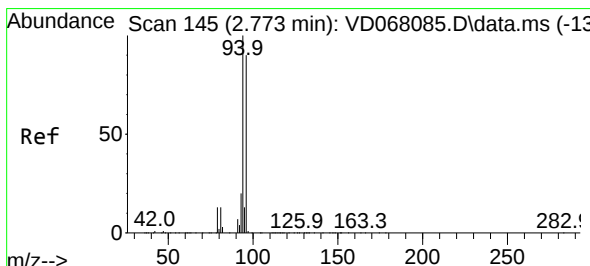
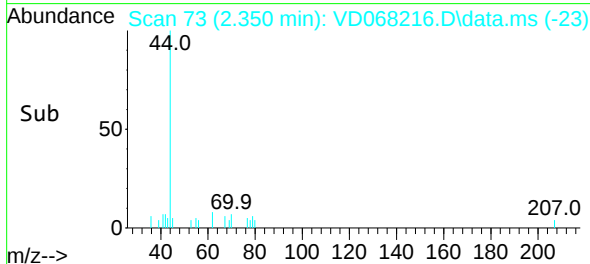
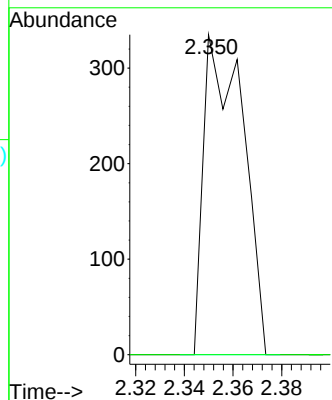
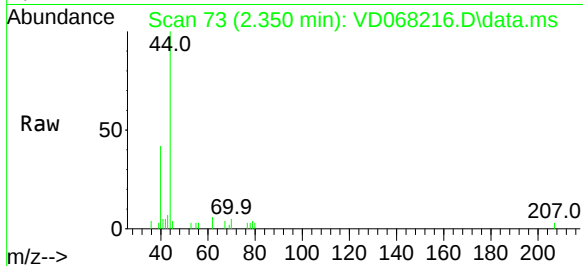




#4
 Vinyl Chloride
 Concen: 1.17 ug/l
 RT: 2.350 min Scan# 73
 Delta R.T. -0.006 min
 Lab File: VD068216.D
 Acq: 28 Jan 2021 12:01

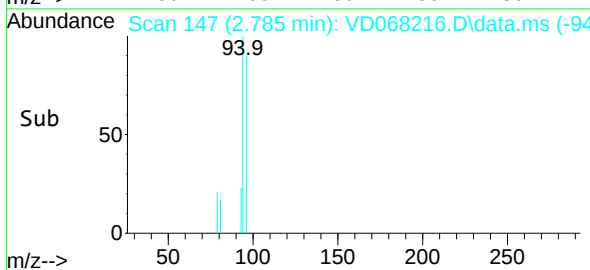
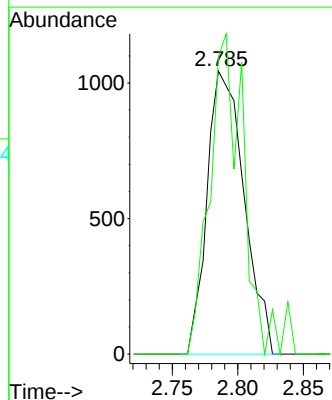
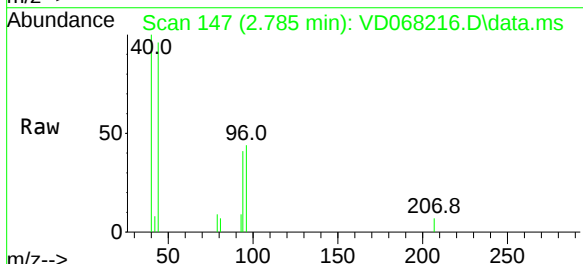
Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-201

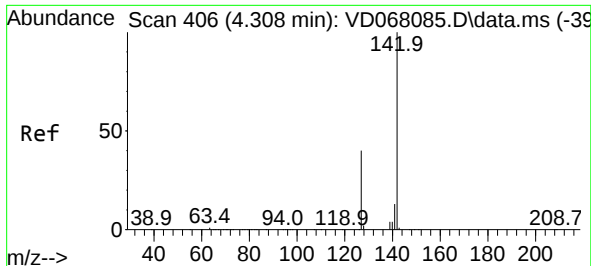
Tgt Ion: 62 Resp: 376
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#5
 Bromomethane
 Concen: 9.31 ug/l
 RT: 2.785 min Scan# 147
 Delta R.T. 0.012 min
 Lab File: VD068216.D
 Acq: 28 Jan 2021 12:01

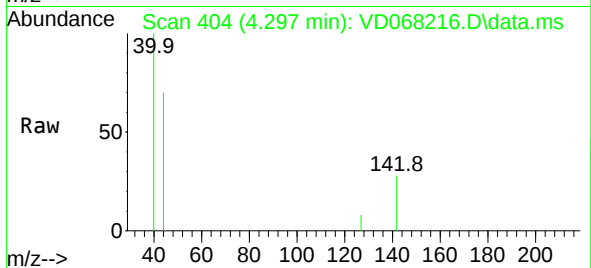
Tgt Ion: 94 Resp: 2051
 Ion Ratio Lower Upper
 94 100
 96 105.2 75.8 113.8



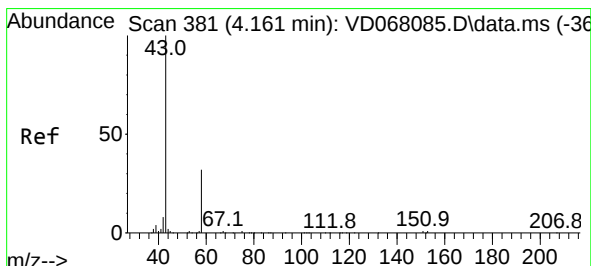
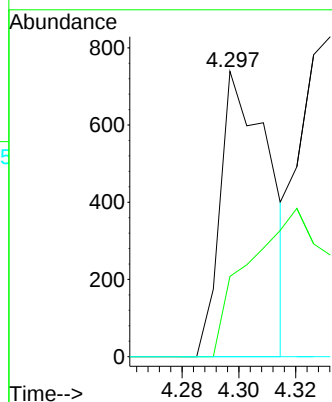
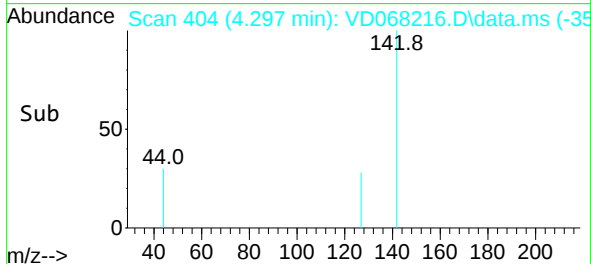


#10
Methyl Iodide
Concen: 6.18 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

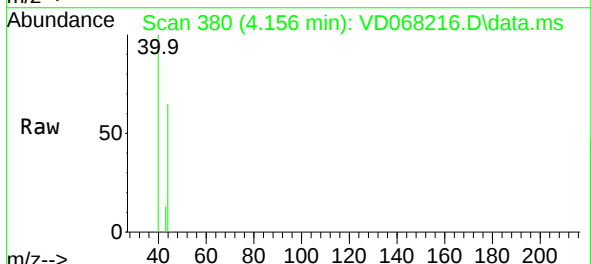
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201



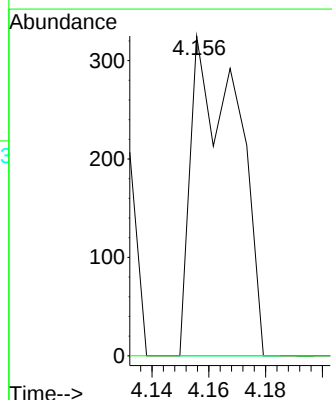
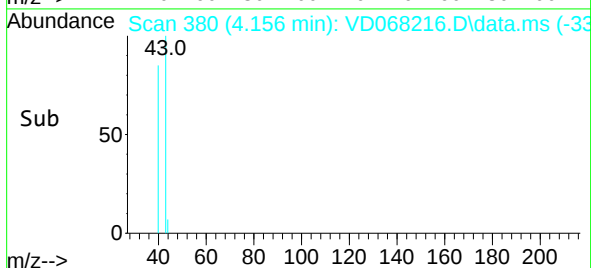
Tgt Ion:142 Resp: 888
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

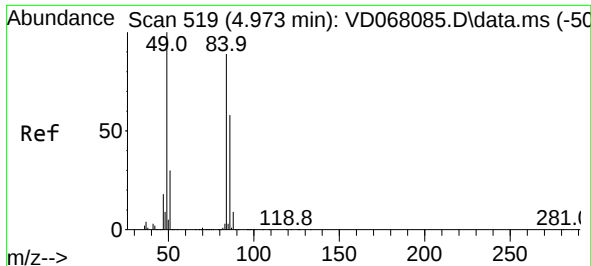


#16
Acetone
Concen: 9.57 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01



Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.979 min Scan# 520

Delta R.T. 0.006 min

Lab File: VD068216.D

Acq: 28 Jan 2021 12:01

Instrument :

MSVOA_D

ClientSampleId :

VNJ-201

Tgt Ion: 84 Resp: 600

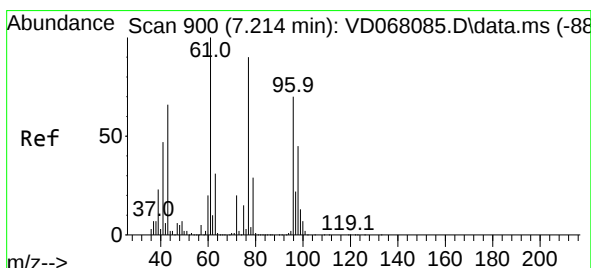
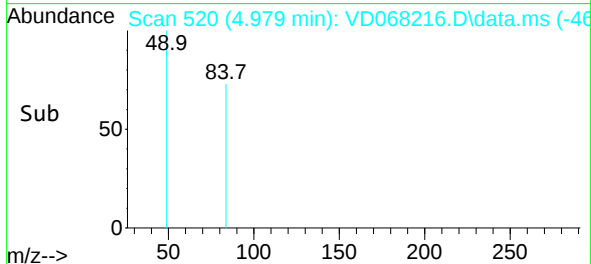
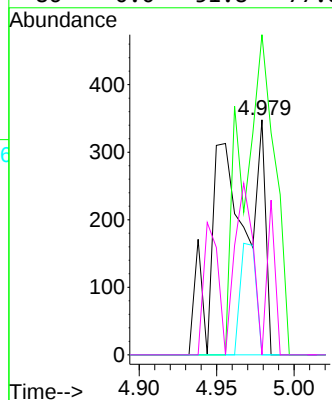
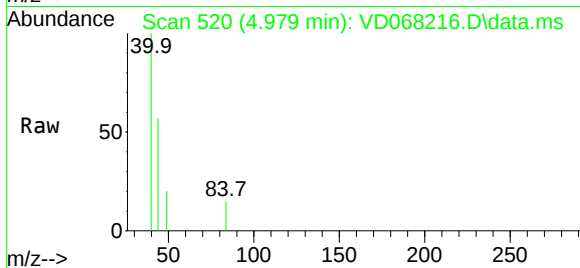
Ion Ratio Lower Upper

84 100

49 136.2 77.4 116.2#

51 0.0 26.1 39.1#

86 0.0 51.8 77.8#



#25

2-Butanone

Concen: 1.17 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.035 min

Lab File: VD068216.D

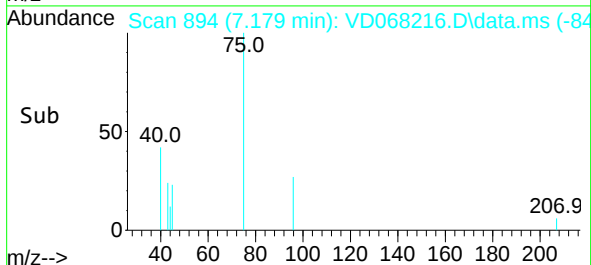
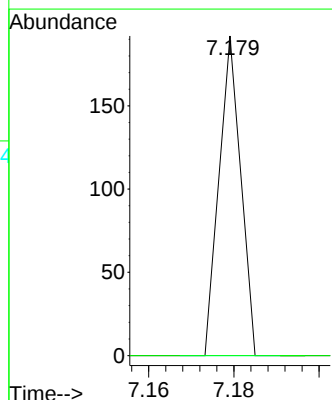
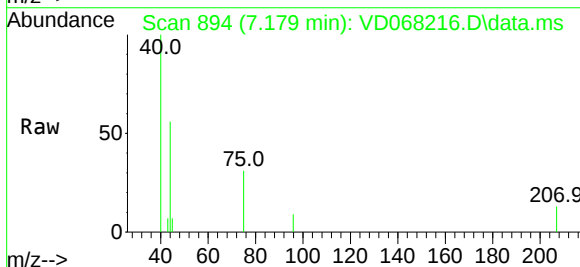
Acq: 28 Jan 2021 12:01

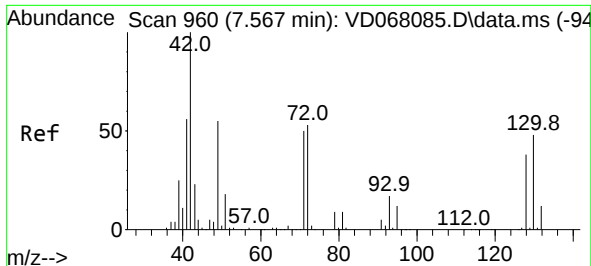
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

72 0.0 25.1 37.7#





#29

Tetrahydrofuran

Concen: 1.89 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.006 min

Lab File: VD068216.D

Acq: 28 Jan 2021 12:01

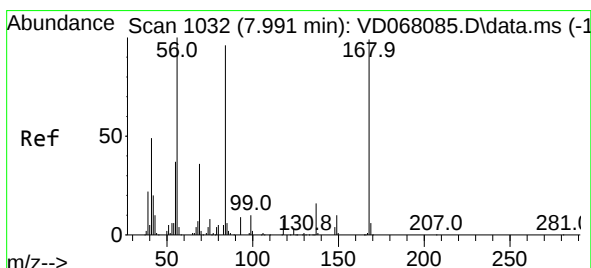
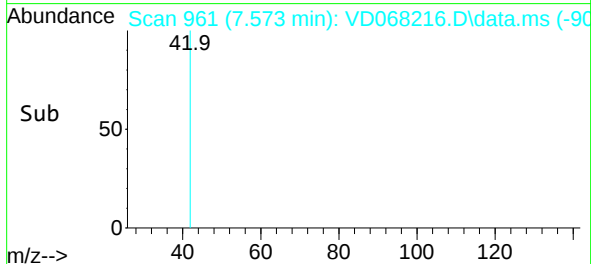
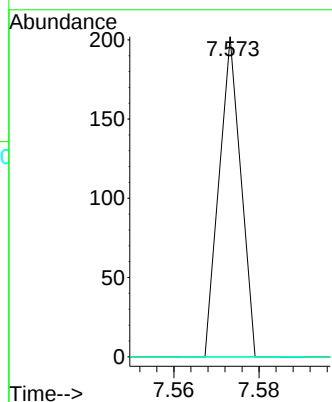
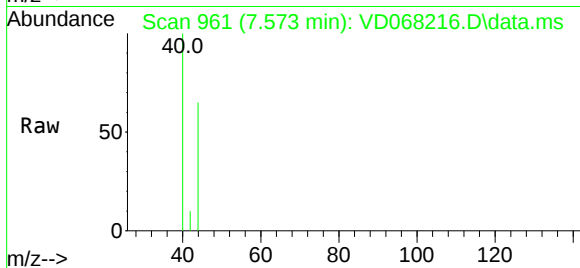
Tgt Ion: 42 Resp: 71

Ion Ratio Lower Upper

42 100

72 0.0 43.4 65.0#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: 3.09 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD068216.D

Acq: 28 Jan 2021 12:01

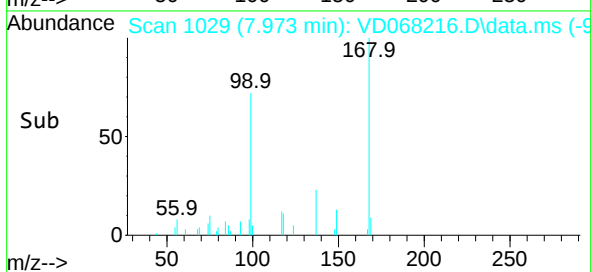
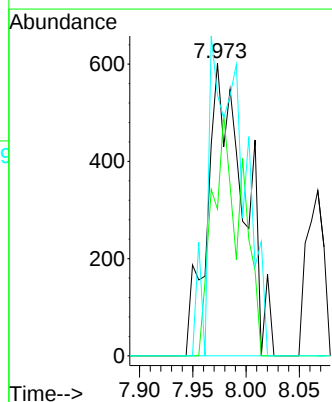
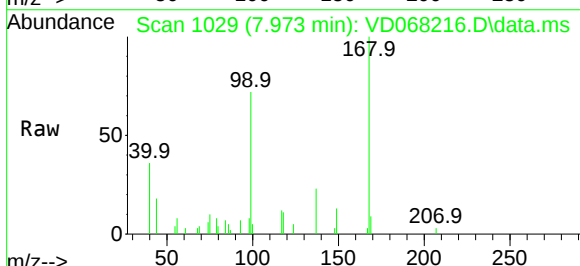
Tgt Ion: 56 Resp: 1445

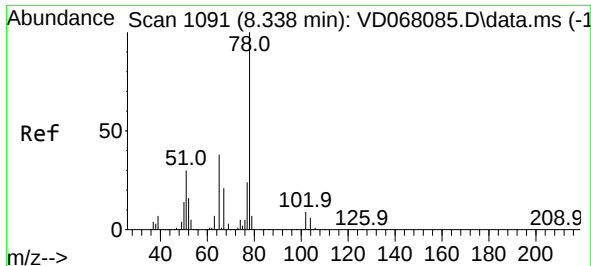
Ion Ratio Lower Upper

56 100

69 50.2 30.1 45.1#

84 89.2 82.1 123.1

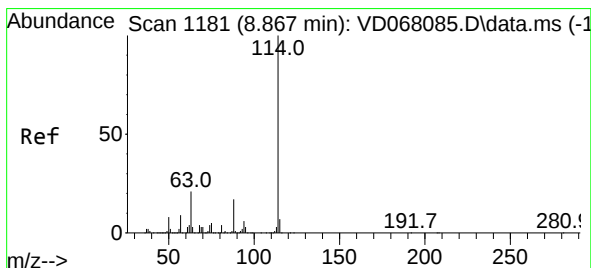
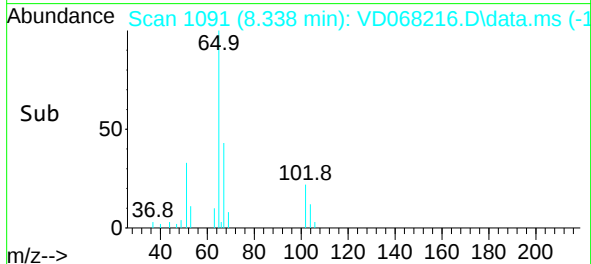
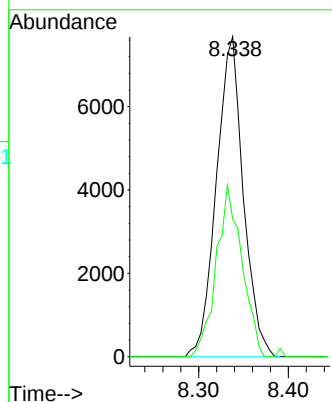
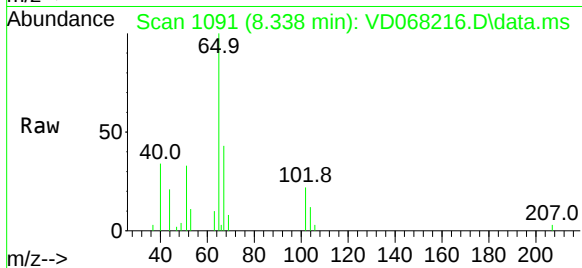




#33
1,2-Dichloroethane-d4
Concen: 74.10 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

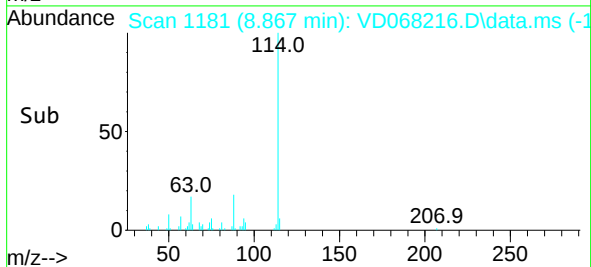
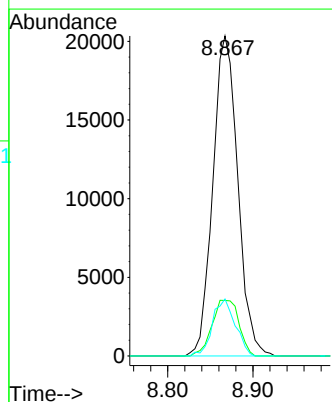
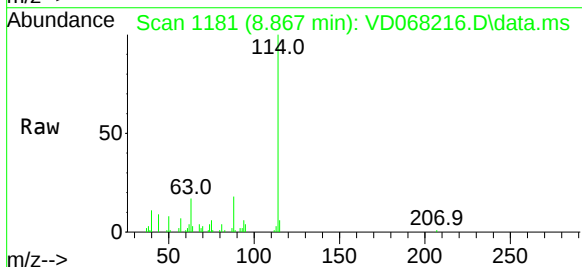
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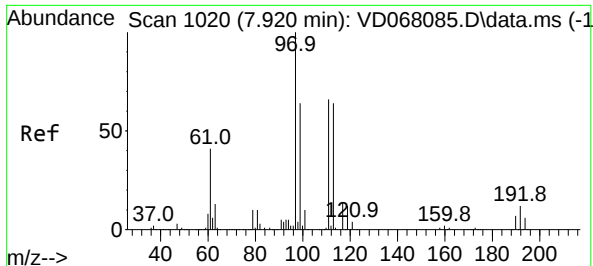
Tgt Ion: 65 Resp: 15996
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 114 Resp: 41291
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.8
88 17.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.71 ug/l

RT: 7.920 min Scan# 1020

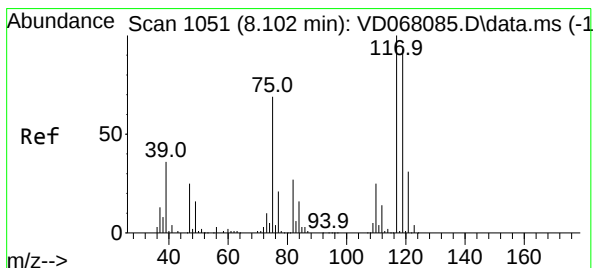
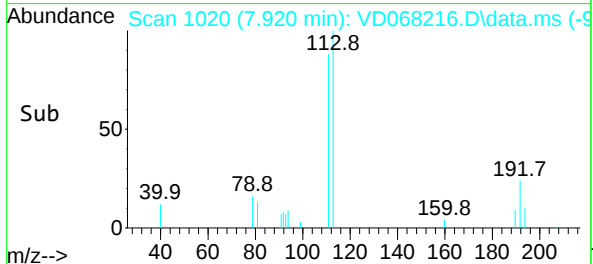
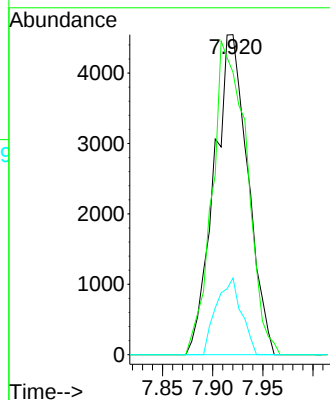
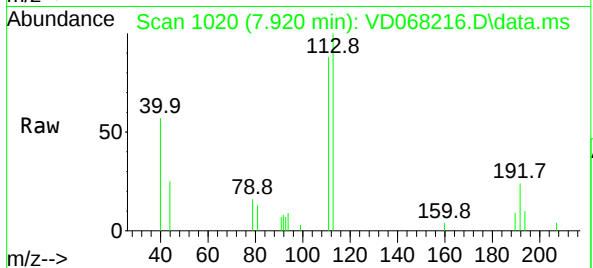
Delta R.T. 0.000 min

Lab File: VD068216.D

Acq: 28 Jan 2021 12:01

Tgt Ion:	113	Resp:	10663
Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.0
192	17.8	16.1	24.1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-201



#38

Carbon Tetrachloride

Concen: 6.77 ug/l

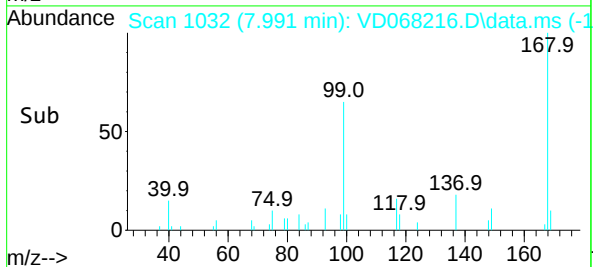
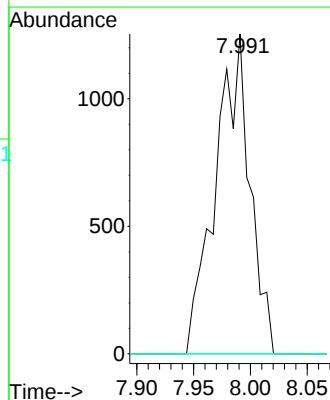
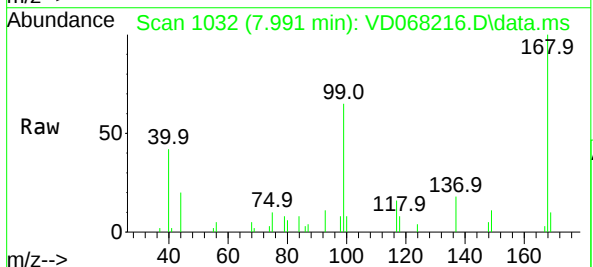
RT: 7.991 min Scan# 1032

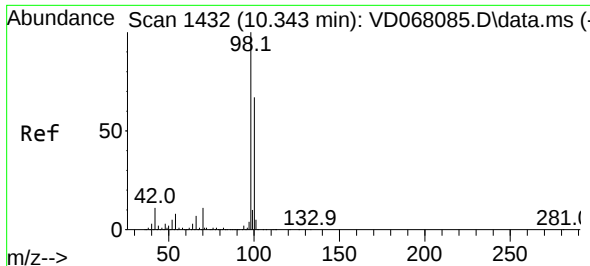
Delta R.T. -0.111 min

Lab File: VD068216.D

Acq: 28 Jan 2021 12:01

Tgt Ion:	117	Resp:	2640
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.3	115.9#
121	0.0	24.7	37.1#

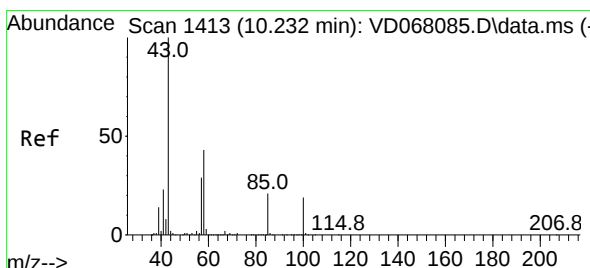
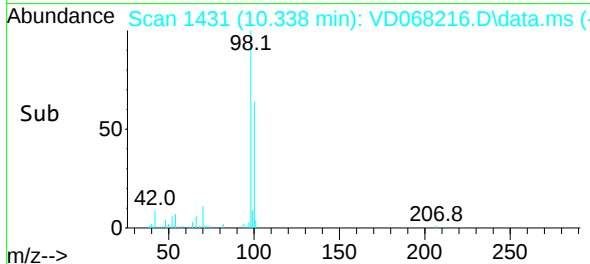
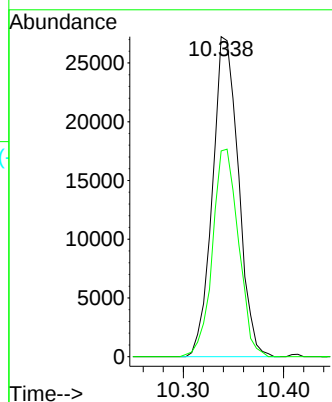
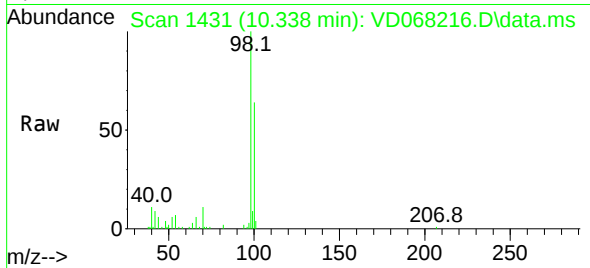




#50
Toluene-d8
Concen: 53.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

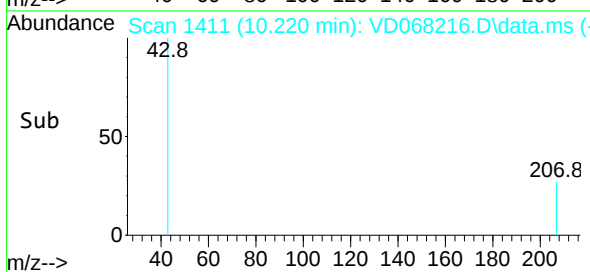
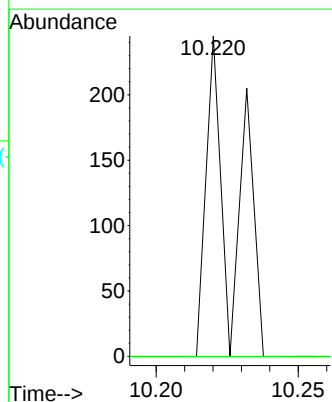
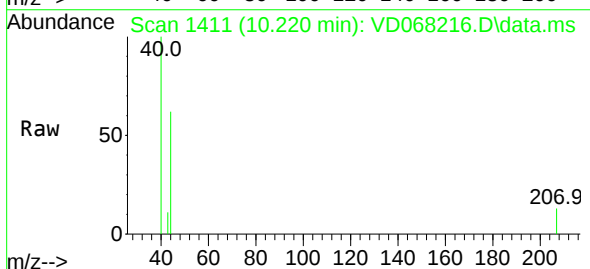
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

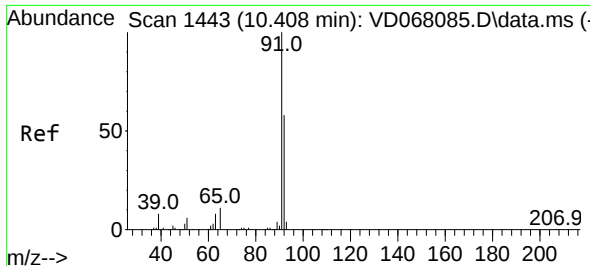
Tgt Ion: 98 Resp: 48955
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.011 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 43 Resp: 159
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#

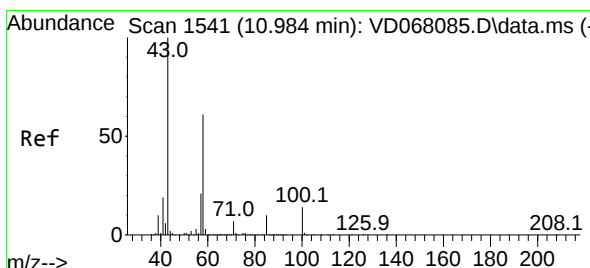
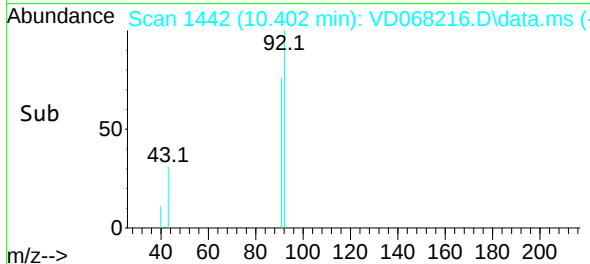
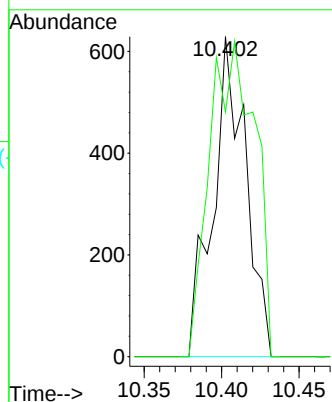
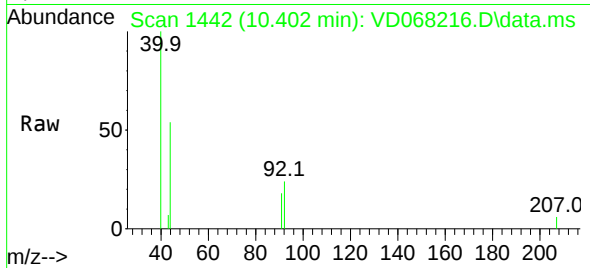




#52
Toluene
Concen: 1.22 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

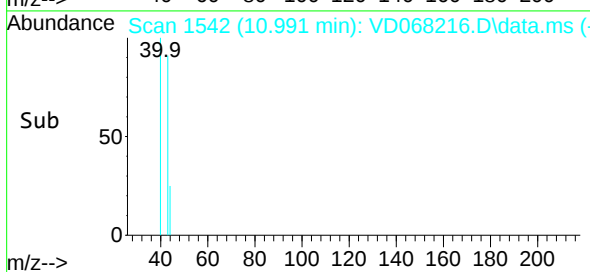
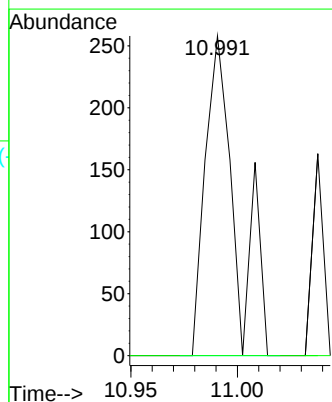
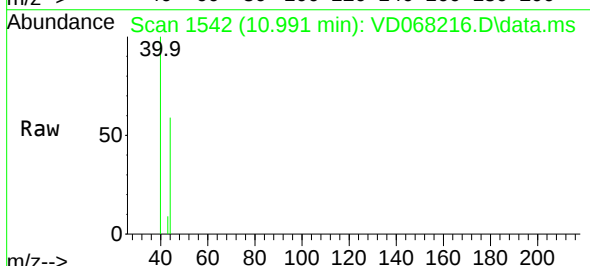
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

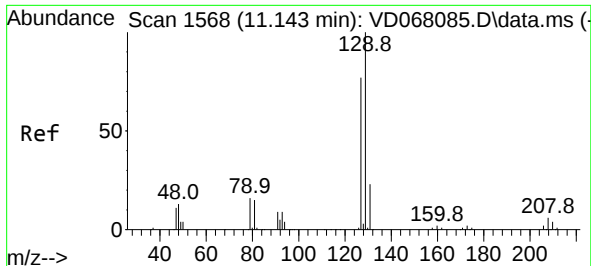
Tgt Ion: 92 Resp: 923
Ion Ratio Lower Upper
92 100
91 136.6 134.1 201.1



#59
2-Hexanone
Concen: 2.61 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#

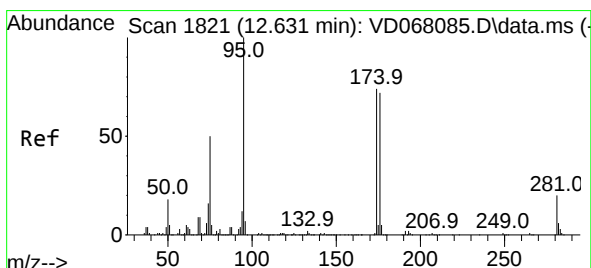
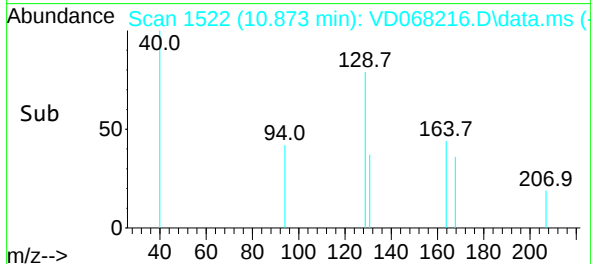
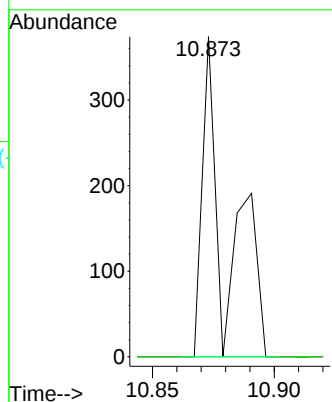
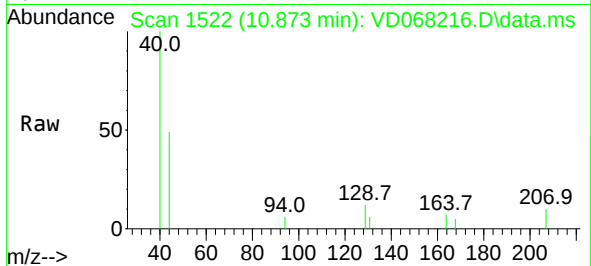




#60
Dibromochloromethane
Concen: 1.01 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.270 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

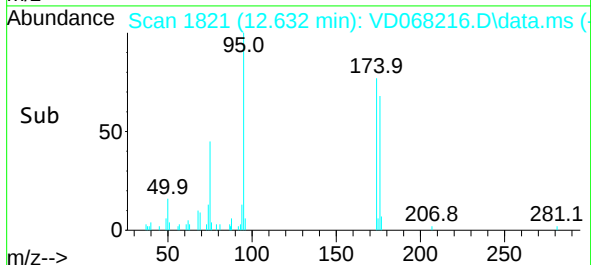
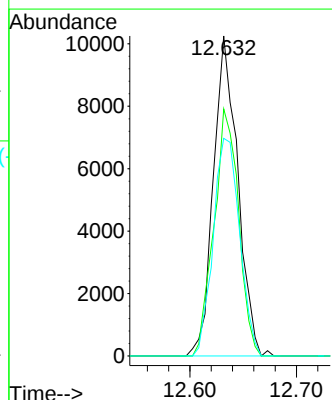
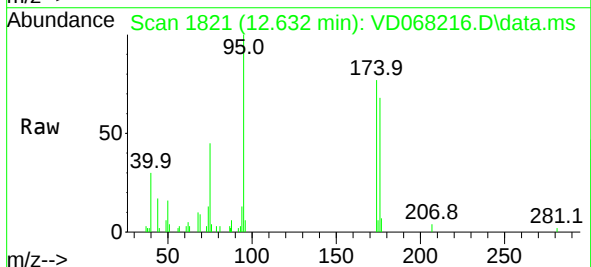
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

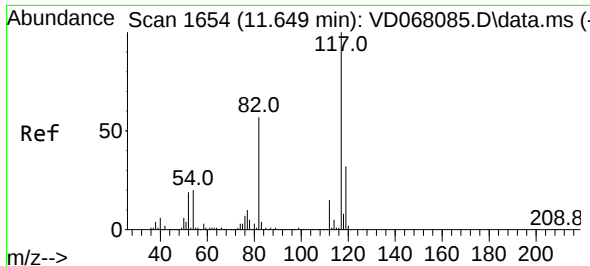
Tgt Ion:129 Resp: 259
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 95 Resp: 16223
Ion Ratio Lower Upper
95 100
174 78.0 0.0 172.4
176 74.0 0.0 168.4

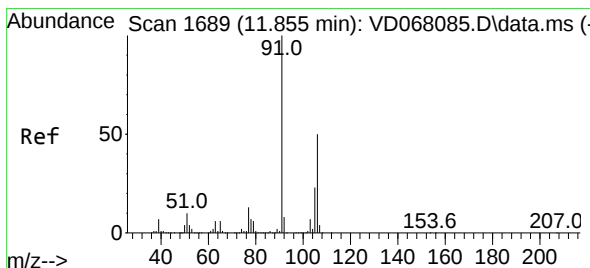
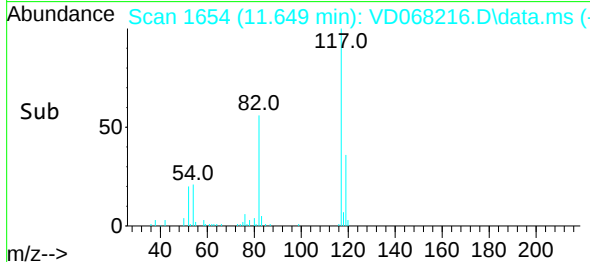
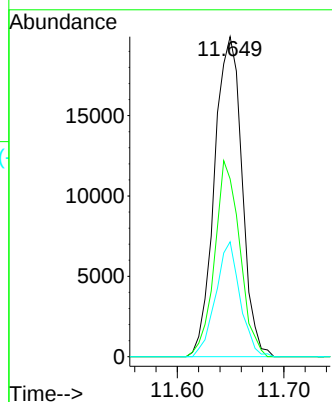
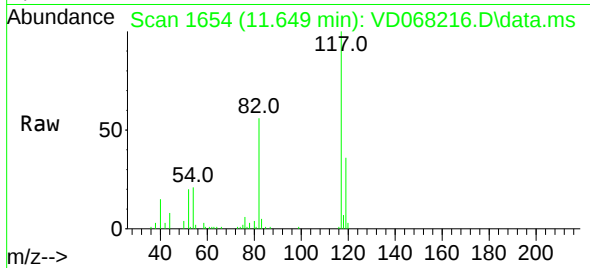




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

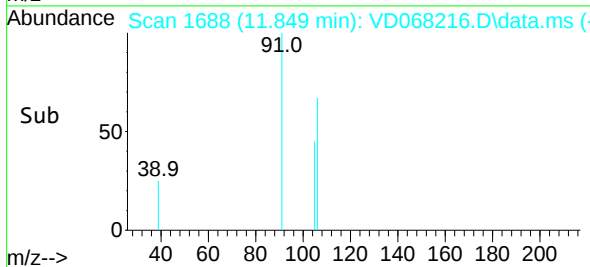
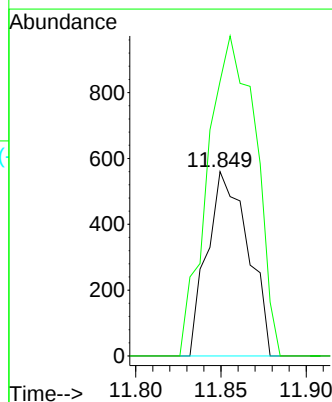
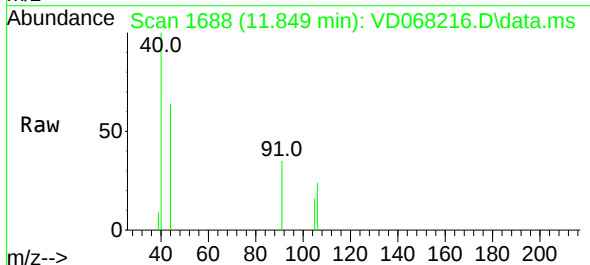
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

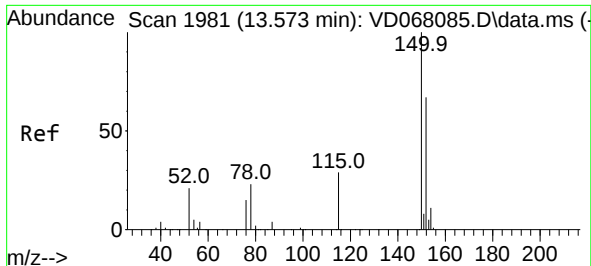
Tgt Ion:	117	Resp:	35714
Ion	Ratio	Lower	Upper
117	100		
82	55.6	41.4	62.0
119	35.9	26.1	39.1



#68
m/p-Xylenes
Concen: 1.76 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion:	106	Resp:	931
Ion	Ratio	Lower	Upper
106	100		
91	205.0	159.1	238.7

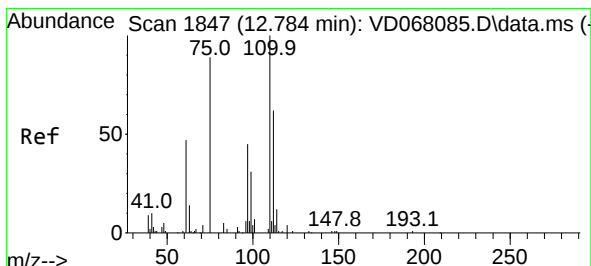
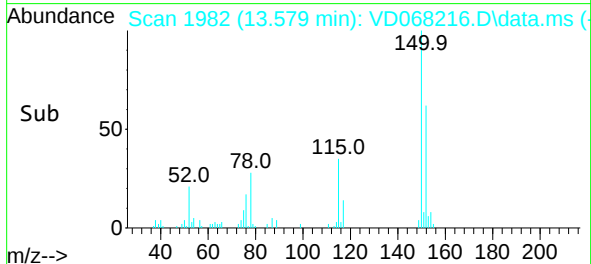
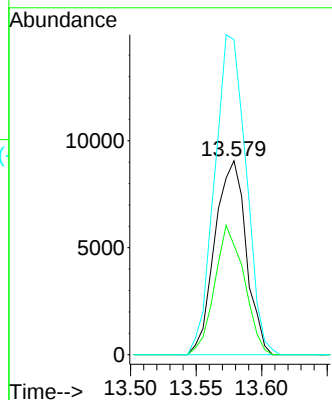
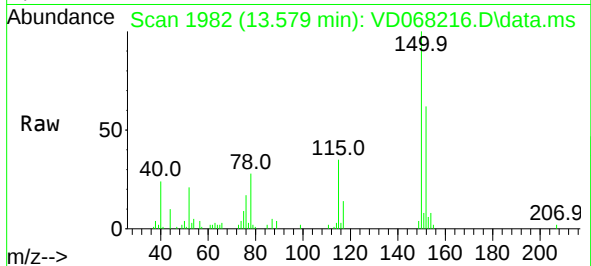




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

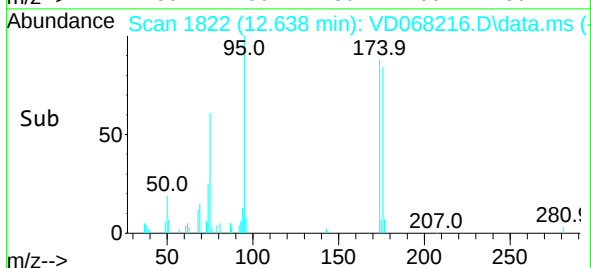
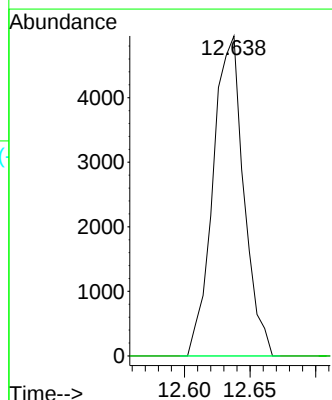
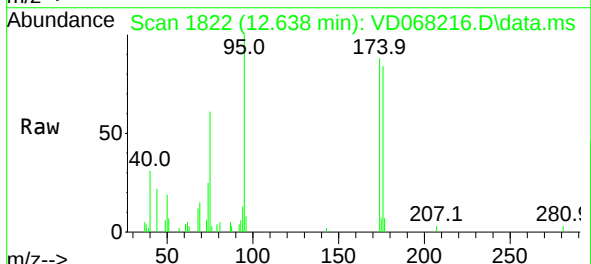
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

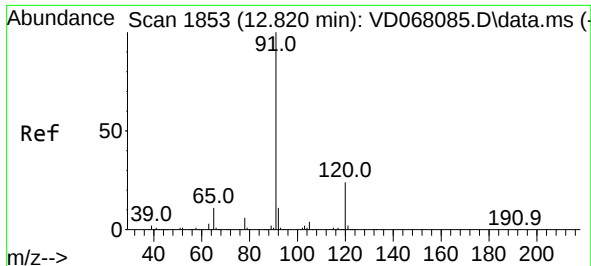
Tgt Ion:152 Resp: 15071
Ion Ratio Lower Upper
152 100
115 62.6 28.9 86.8
150 165.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 55.55 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 75 Resp: 8095
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

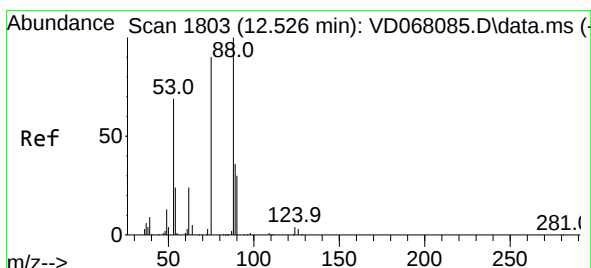
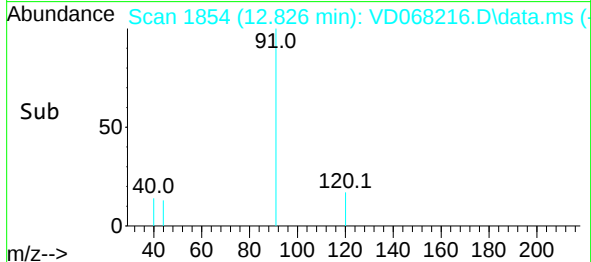
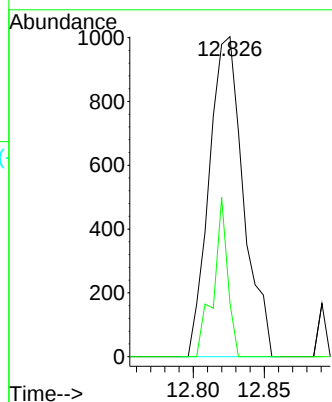
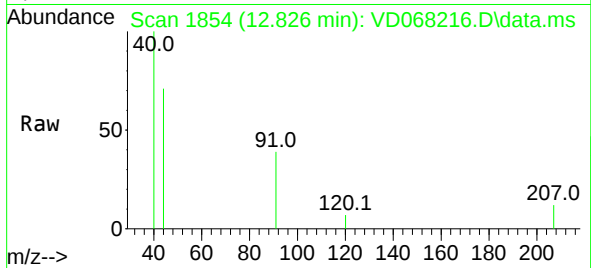




#78
n-propylbenzene
Concen: 1.13 ug/l
RT: 12.826 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

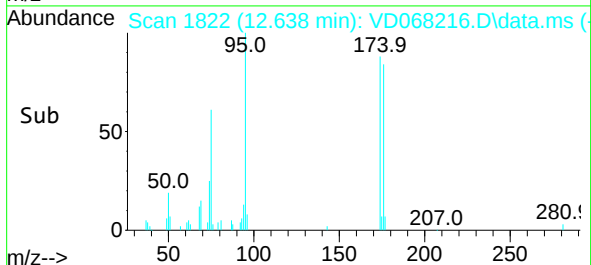
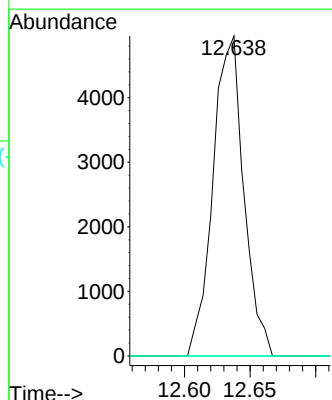
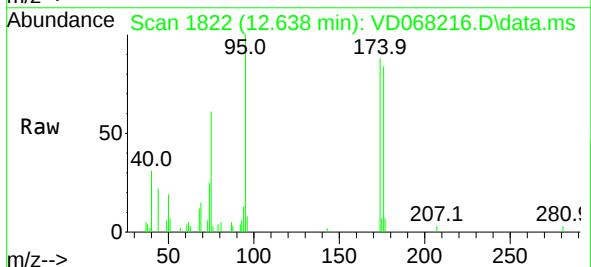
Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

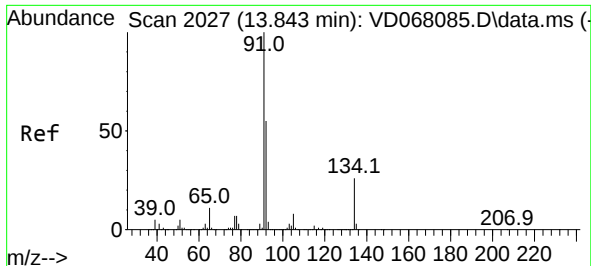
Tgt Ion: 91 Resp: 1683
Ion Ratio Lower Upper
91 100
120 20.6 12.0 36.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.41 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion: 75 Resp: 8095
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

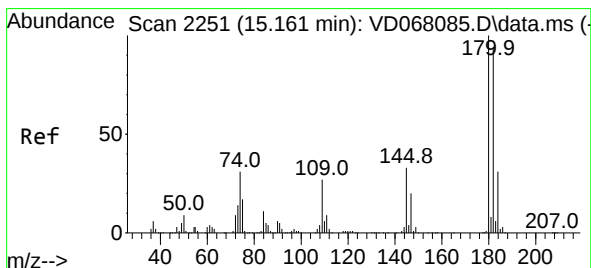
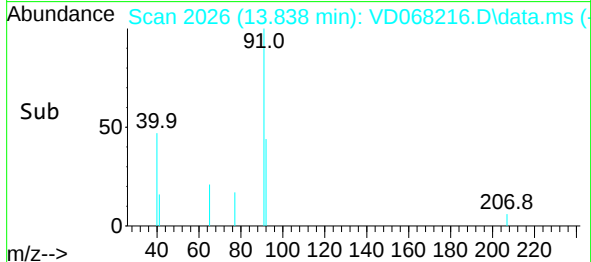
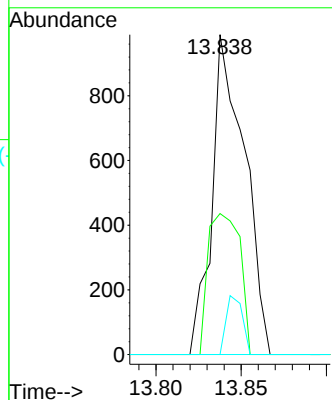
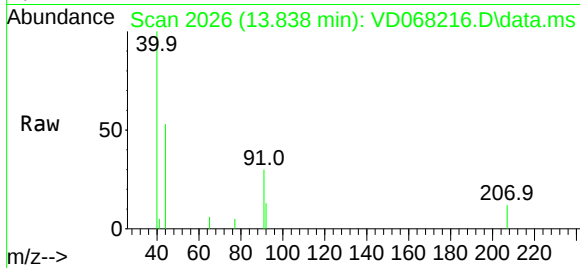




#89
n-Butylbenzene
Concen: 1.22 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

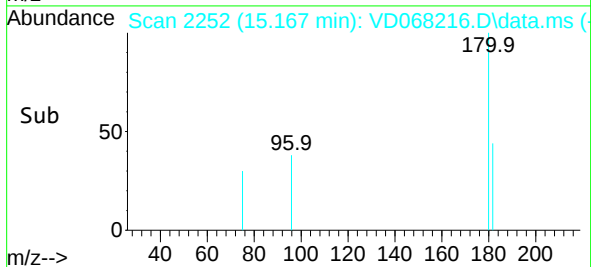
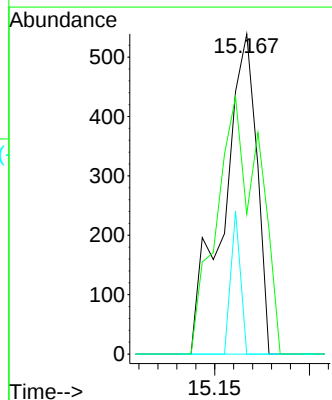
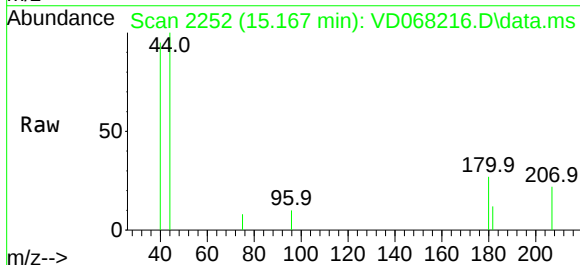
Instrument :
MSVOA_D
ClientSampled :
VNJ-201

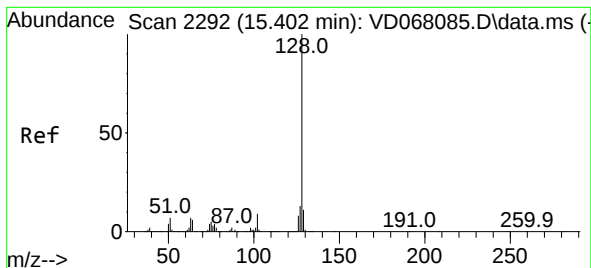
Tgt Ion: 91 Resp: 1315
Ion Ratio Lower Upper
91 100
92 43.2 27.2 81.6
134 9.1 13.9 41.7#



#93
1,2,4-Trichlorobenzene
Concen: 2.16 ug/l
RT: 15.167 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion:180 Resp: 655
Ion Ratio Lower Upper
180 100
182 103.2 46.8 140.4
145 13.0 15.2 45.5#

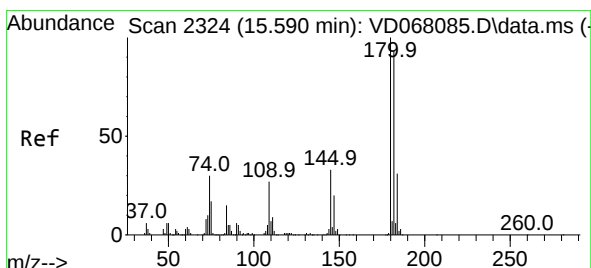
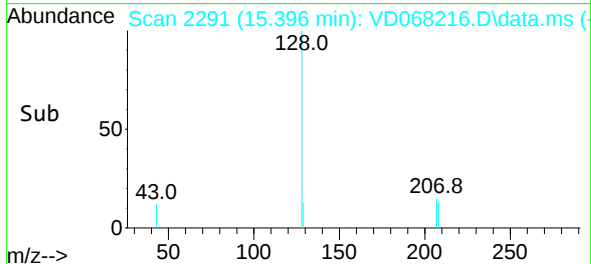
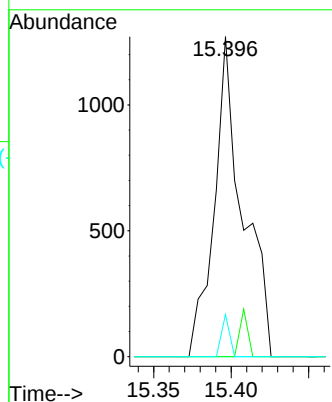
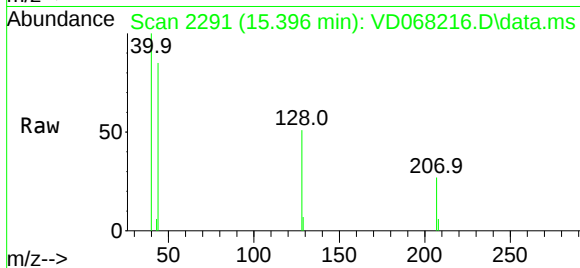




#95
Naphthalene
Concen: 2.84 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Instrument :
MSVOA_D
ClientSampleId :
VNJ-201

Tgt Ion:128 Resp: 1619
Ion Ratio Lower Upper
128 100
127 4.1 10.2 15.2#
129 3.6 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.52 ug/l
RT: 15.590 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VD068216.D
Acq: 28 Jan 2021 12:01

Tgt Ion:180 Resp: 645
Ion Ratio Lower Upper
180 100
182 94.7 48.3 144.8
145 8.8 16.7 50.1#

