

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071707.D
 Acq On : 13 Jan 2022 13:53
 Operator : VA/SY
 Sample : N1050-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-236

Quant Time: Jan 13 14:31:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

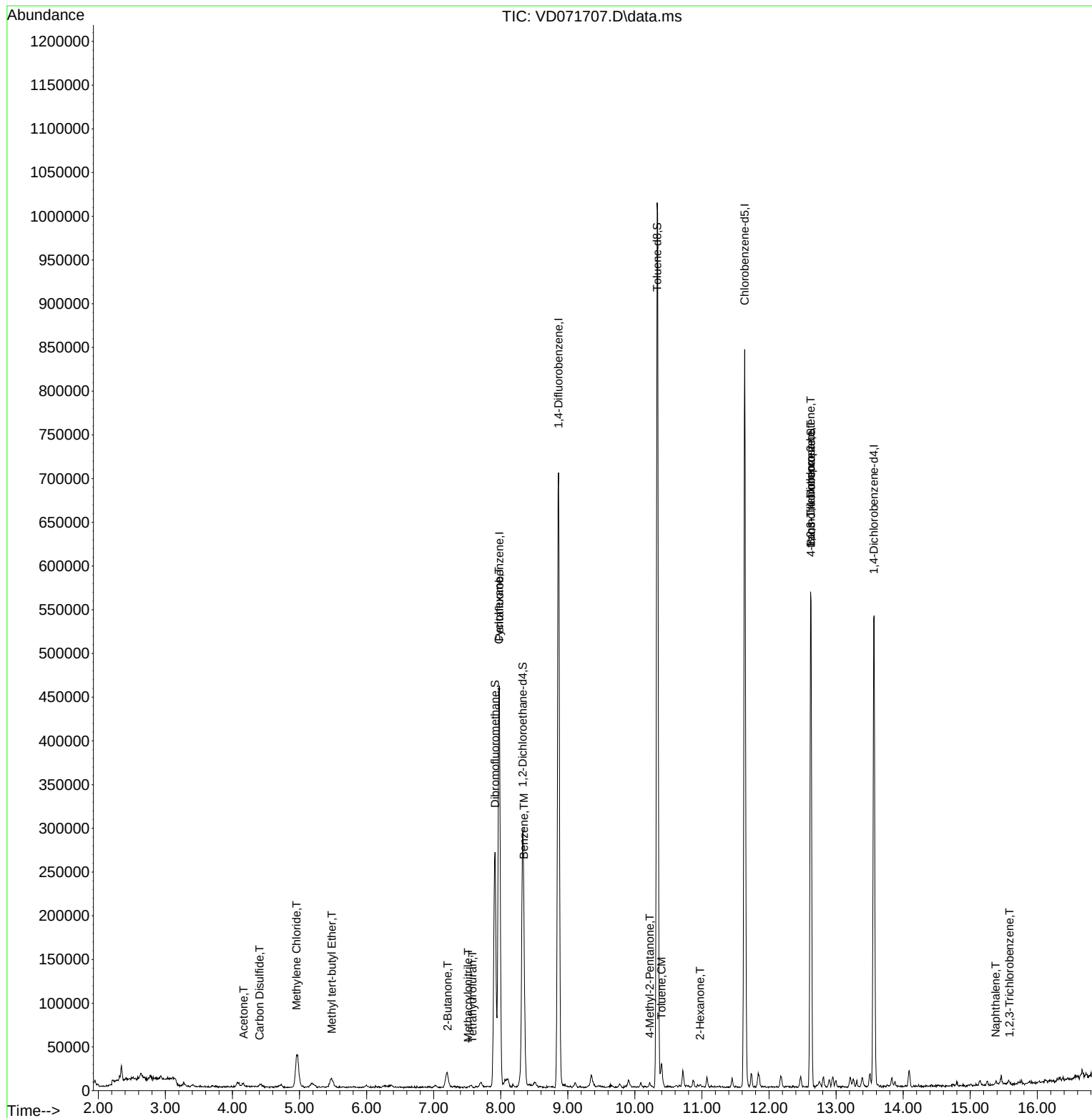
Internal Standards						
1) Pentafluorobenzene	7.979	168	310839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	564614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	134479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210121	52.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.080%	
35) Dibromofluoromethane	7.914	113	184726	49.506	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.020%	
50) Toluene-d8	10.332	98	664753	47.592	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.180%	
62) 4-Bromofluorobenzene	12.626	95	165328	33.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.180%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	2302	Below Cal	#	80
11) Tert butyl alcohol	5.173	59	6221	Below Cal	#	75
16) Acetone	4.168	43	7054	7.639	ug/l	100
17) Carbon Disulfide	4.403	76	5393	1.240	ug/l #	94
18) Methyl Acetate	4.709	43	618	Below Cal	#	56
19) Methyl tert-butyl Ether	5.479	73	10469	1.427	ug/l #	77
20) Methylene Chloride	4.956	84	26412	5.392	ug/l	98
25) 2-Butanone	7.209	43	2784	2.552	ug/l #	56
29) Tetrahydrofuran	7.579	42	866	1.380	ug/l #	39
31) Cyclohexane	7.973	56	13207	2.691	ug/l #	33
40) Benzene	8.344	78	77265	5.268	ug/l	97
41) Methacrylonitrile	7.514	41	223	1.274	ug/l #	25
51) 4-Methyl-2-Pentanone	10.220	43	2838	1.155	ug/l	92
52) Toluene	10.397	92	9388	1.017	ug/l	96
59) 2-Hexanone	10.973	43	2068	1.205	ug/l	81
76) 1,2,3-Trichloropropane	12.620	75	98295	75.644	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	98295	210.887	ug/l #	3
95) Naphthalene	15.379	128	4204	1.116	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.585	180	1895	1.045	ug/l #	17

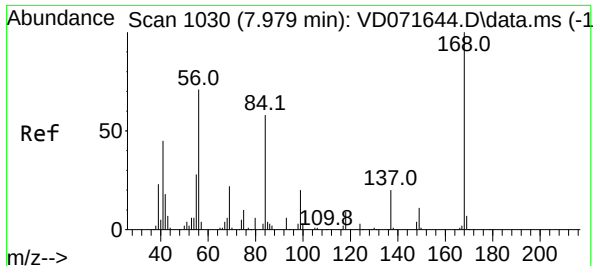
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

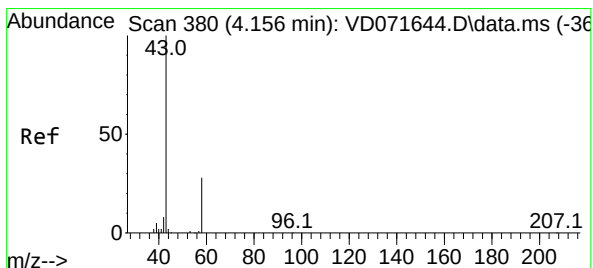
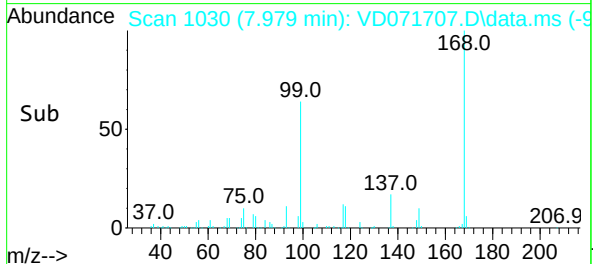
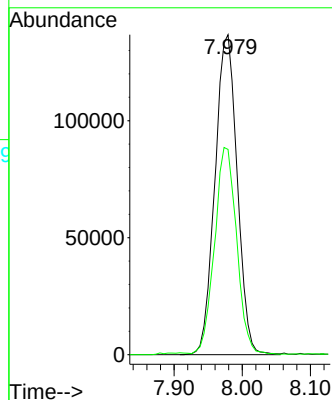
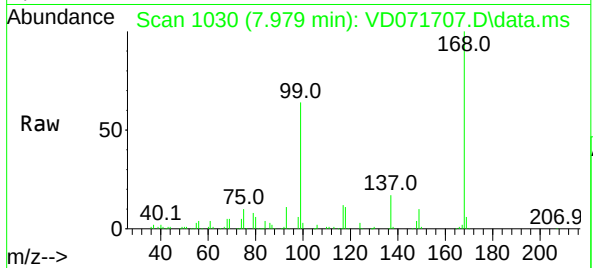




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

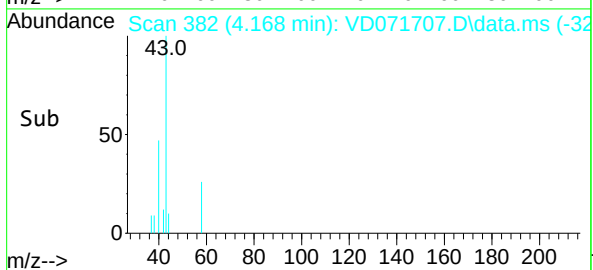
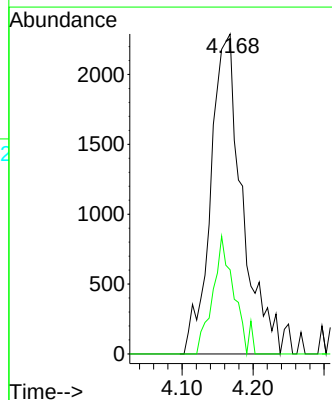
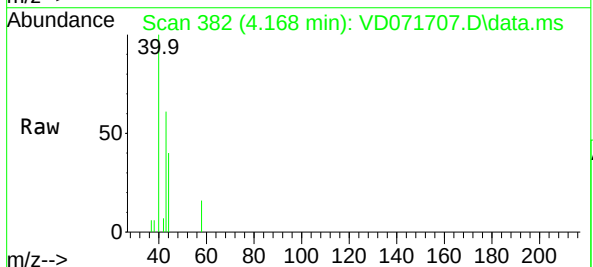
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

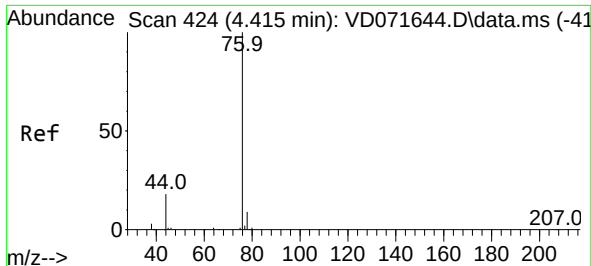
Tgt Ion:168 Resp: 310839
Ion Ratio Lower Upper
168 100
99 64.0 51.8 77.6



#16
Acetone
Concen: 7.639 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.013 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 43 Resp: 7054
Ion Ratio Lower Upper
43 100
58 26.3 21.0 31.6

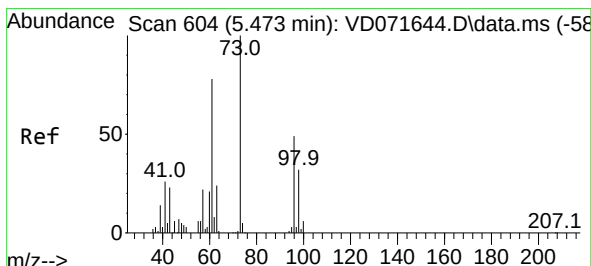
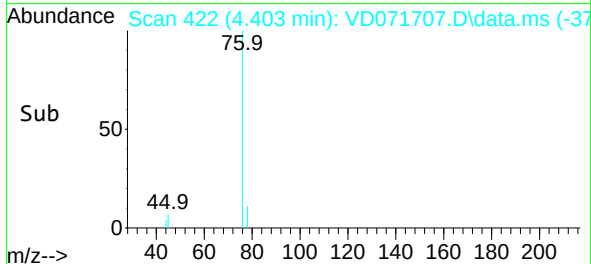
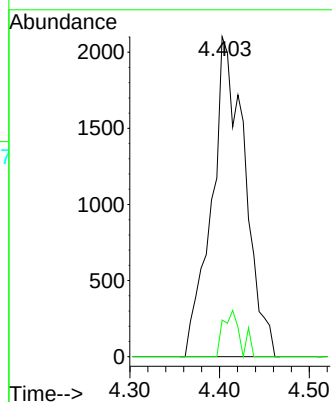
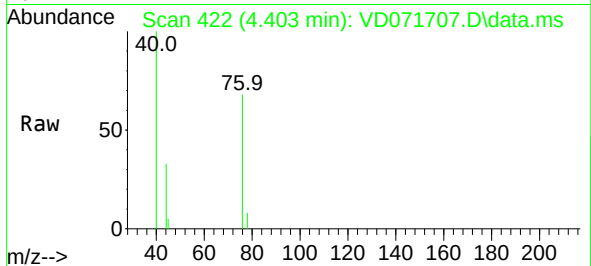




#17
Carbon Disulfide
Concen: 1.240 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

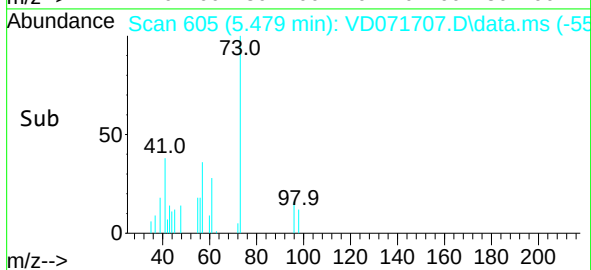
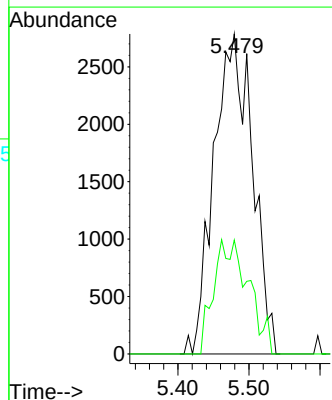
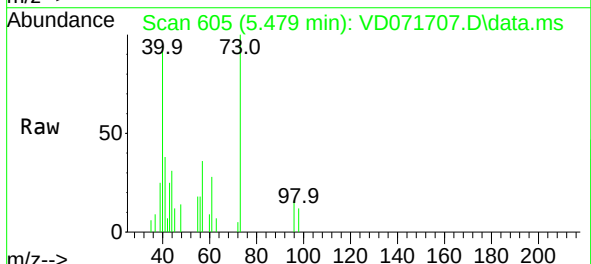
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

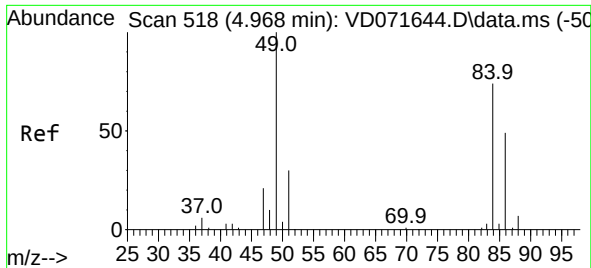
Tgt Ion: 76 Resp: 5393
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.2#



#19
Methyl tert-butyl Ether
Concen: 1.427 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.000 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 73 Resp: 10469
Ion Ratio Lower Upper
73 100
57 35.6 19.2 28.8#

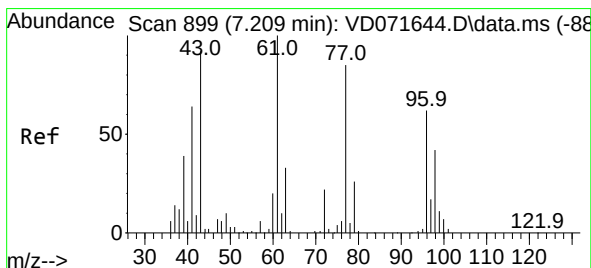
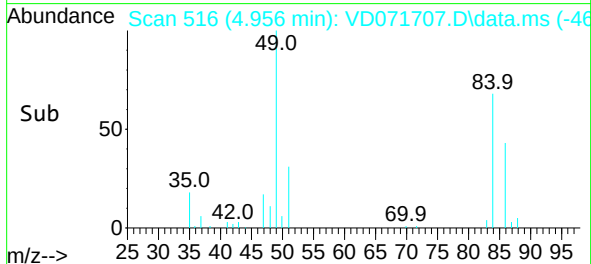
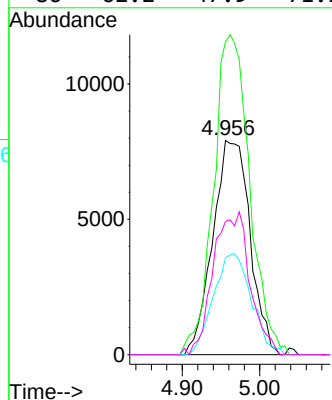
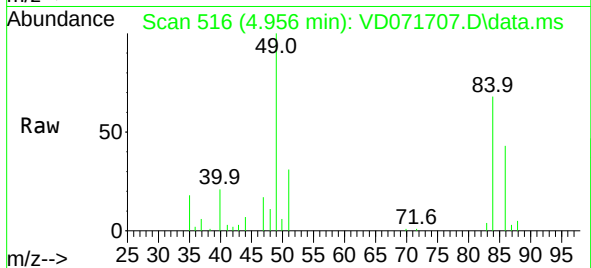




#20
Methylene Chloride
Concen: 5.392 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

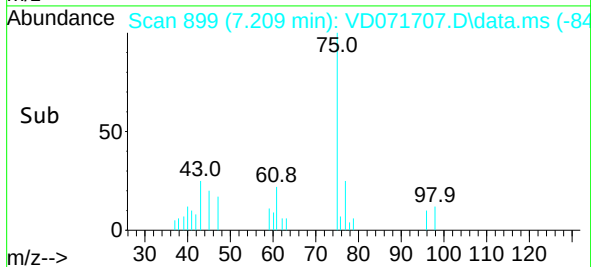
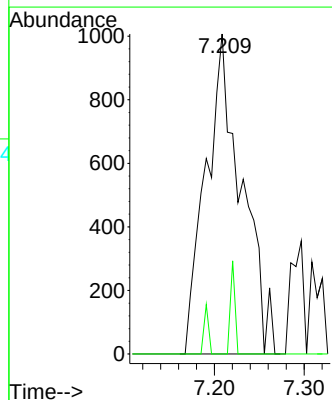
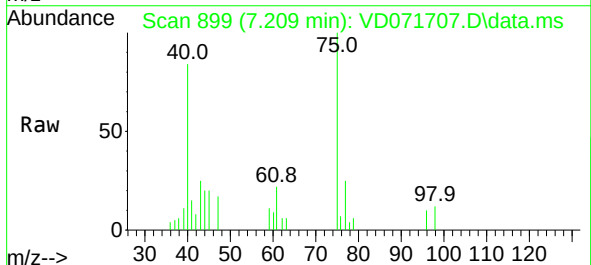
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

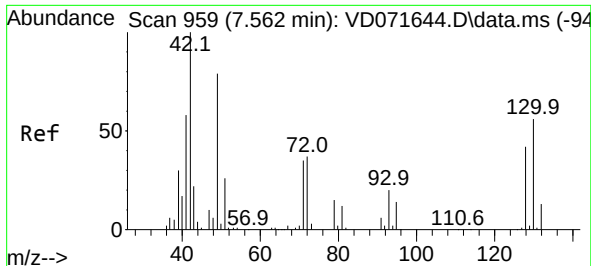
Tgt Ion: 84	Resp: 26412
Ion Ratio	Lower Upper
84	100
49	146.1 118.6 178.0
51	45.2 37.8 56.6
86	62.2 47.9 71.9



#25
2-Butanone
Concen: 2.552 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 43	Resp: 2784
Ion Ratio	Lower Upper
43	100
72	0.0 16.4 24.6#





#29

Tetrahydrofuran

Concen: 1.380 ug/l

RT: 7.579 min Scan# 9

Delta R.T. 0.018 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

VNJ-236

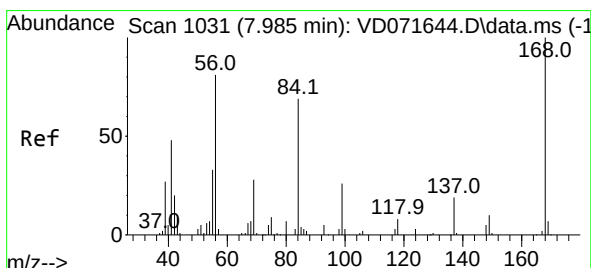
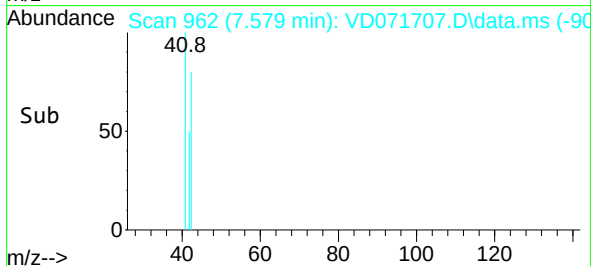
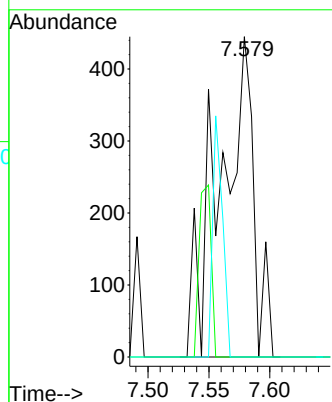
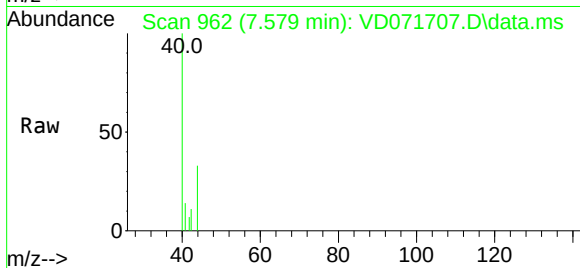
Tgt Ion: 42 Resp: 866

Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 2.691 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

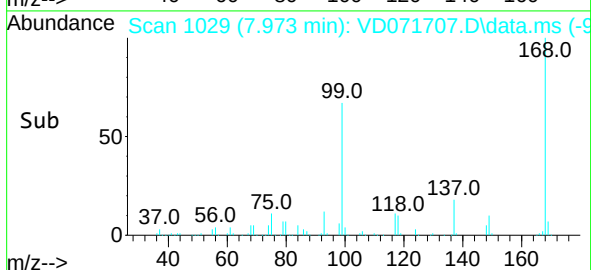
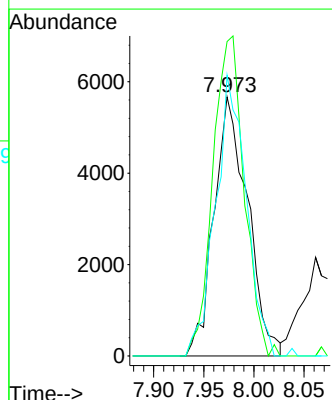
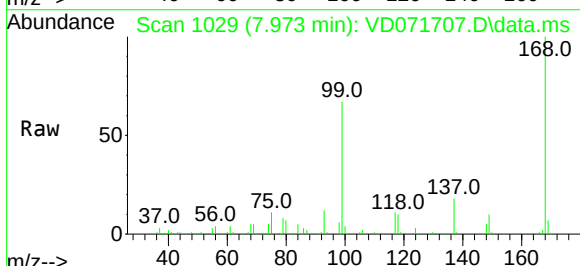
Tgt Ion: 56 Resp: 13207

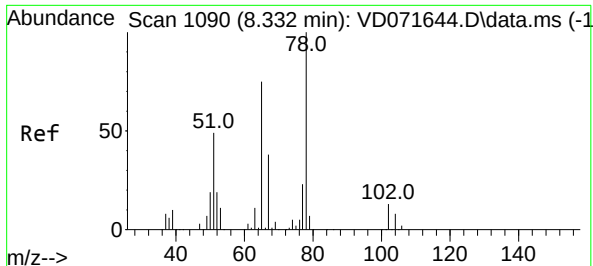
Ion Ratio Lower Upper

56 100

69 121.3 21.7 32.5#

84 108.3 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 52.535 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

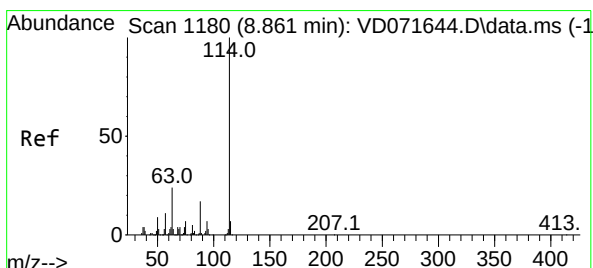
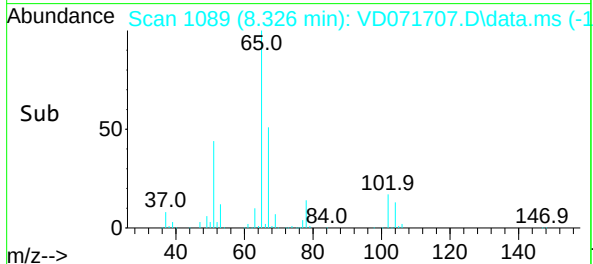
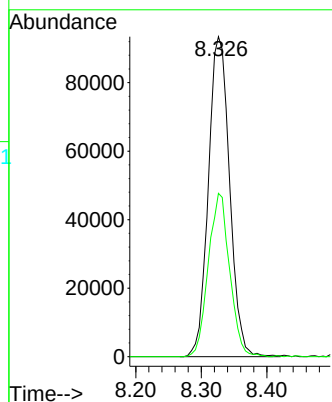
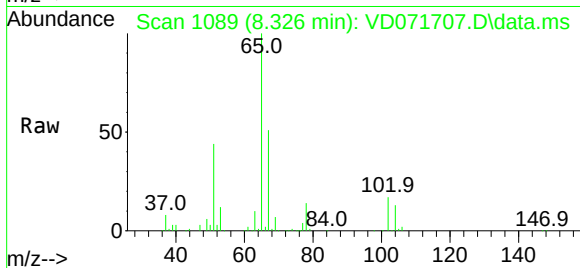
VNJ-236

Tgt Ion: 65 Resp: 210121

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

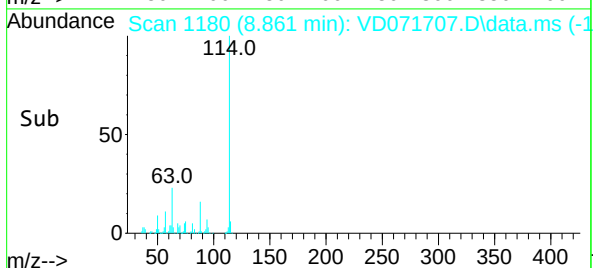
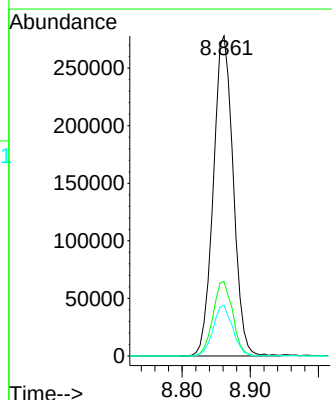
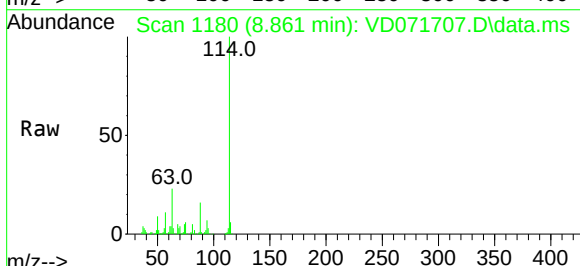
Tgt Ion: 114 Resp: 564614

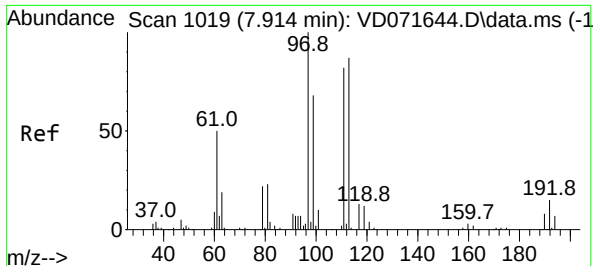
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.2

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.506 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

VNJ-236

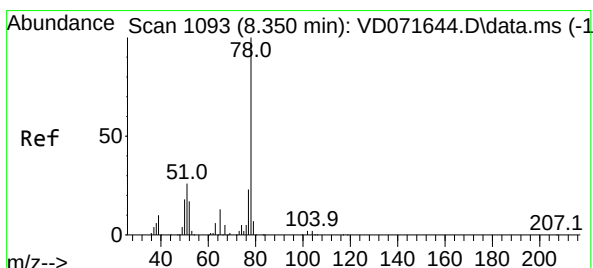
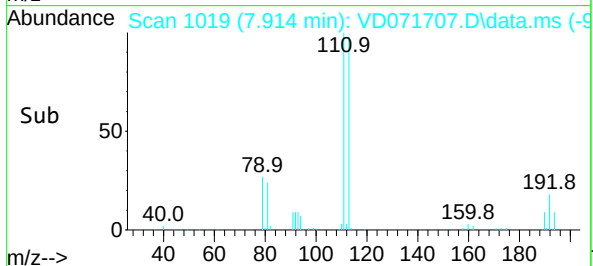
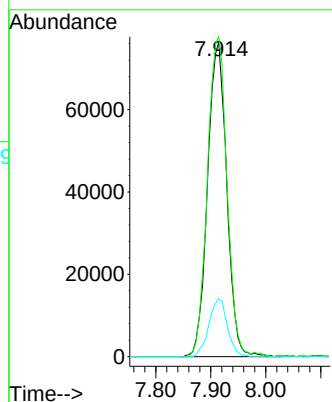
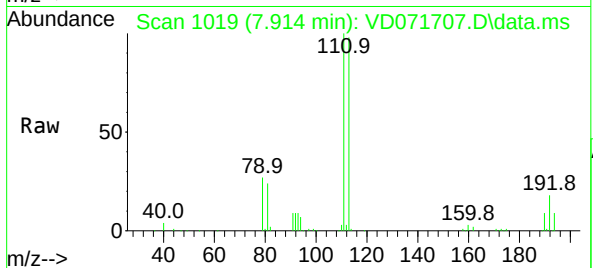
Tgt Ion:113 Resp: 184726

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 17.8 14.2 21.2



#40

Benzene

Concen: 5.268 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.005 min

Lab File: VD071707.D

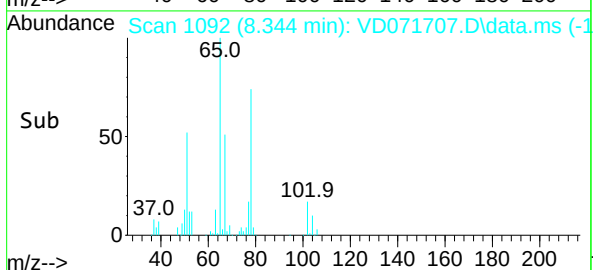
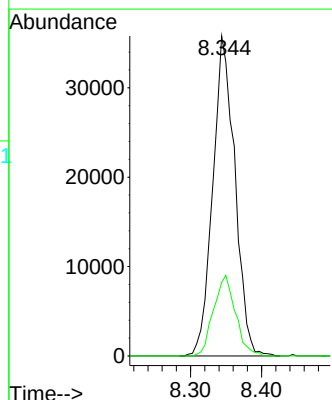
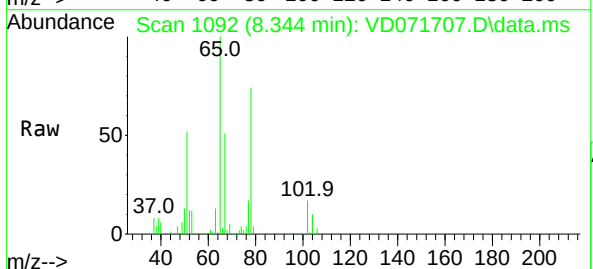
Acq: 13 Jan 2022 13:53

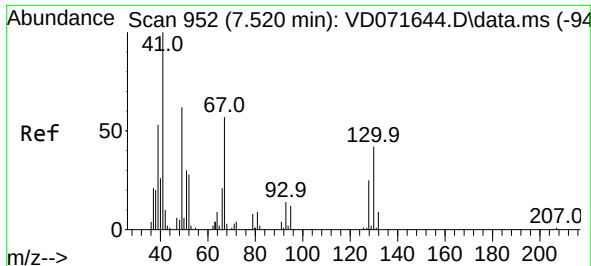
Tgt Ion: 78 Resp: 77265

Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.0

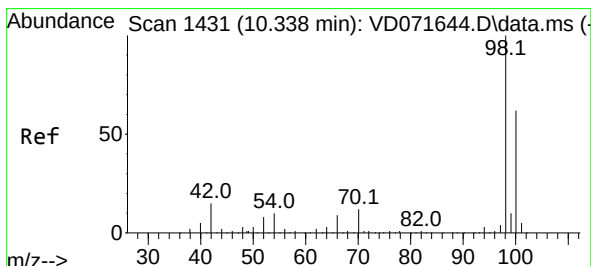
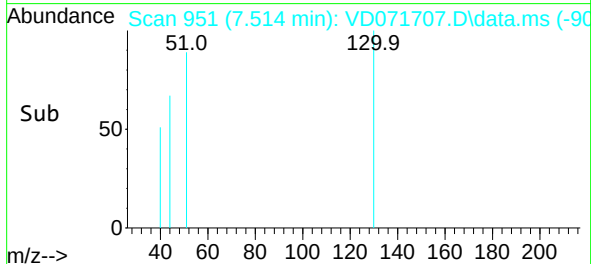
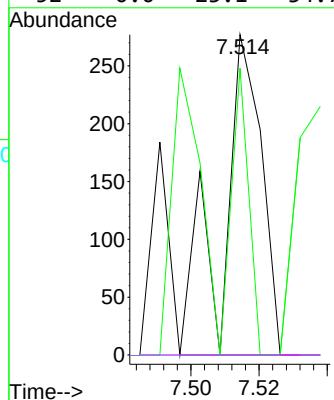
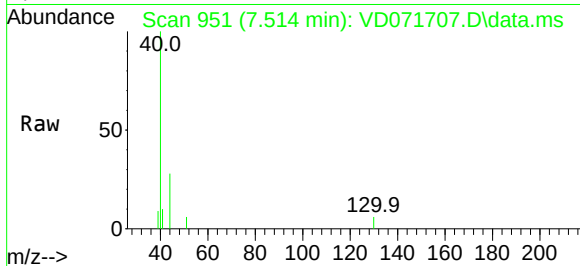




#41
Methacrylonitrile
Concen: 1.274 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

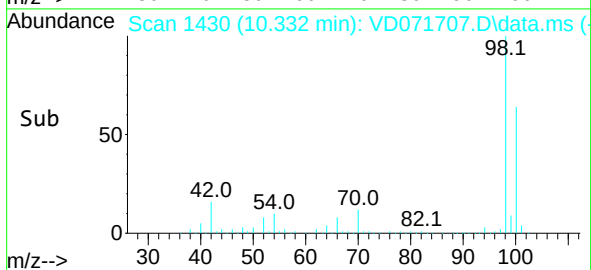
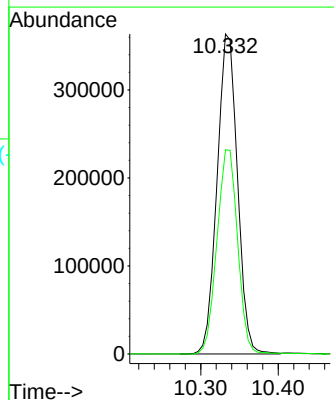
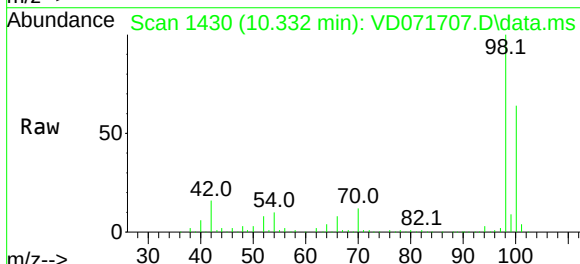
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

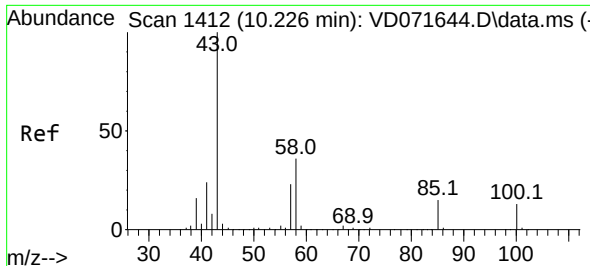
Tgt Ion: 41	Resp: 223
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 47.592 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 98	Resp: 664753
Ion Ratio	Lower Upper
98 100	
100 64.8	52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.155 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. -0.006 min

Lab File: VD071707.D

Acq: 13 Jan 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

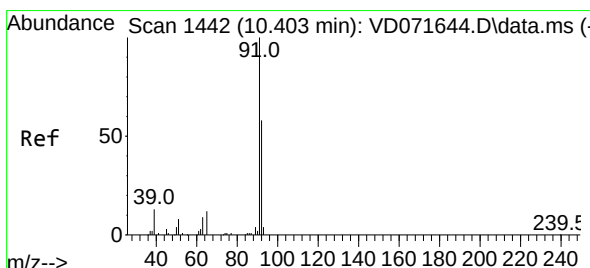
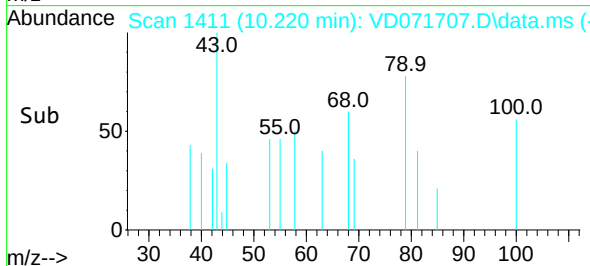
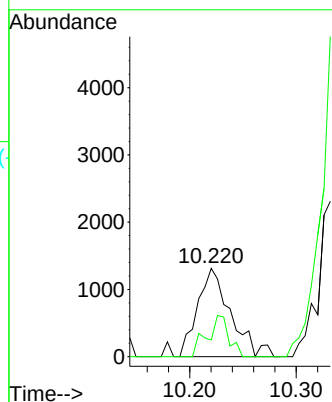
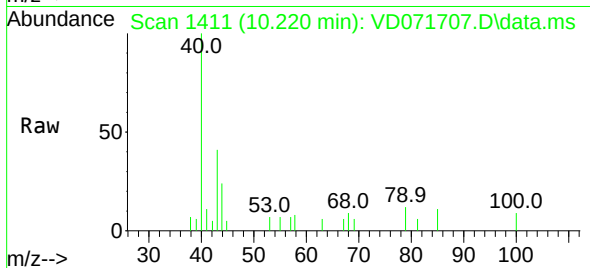
VNJ-236

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

58 30.3 28.2 42.2



#52

Toluene

Concen: 1.017 ug/l

RT: 10.397 min Scan# 1441

Delta R.T. -0.005 min

Lab File: VD071707.D

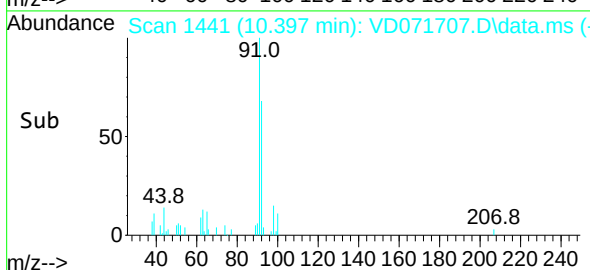
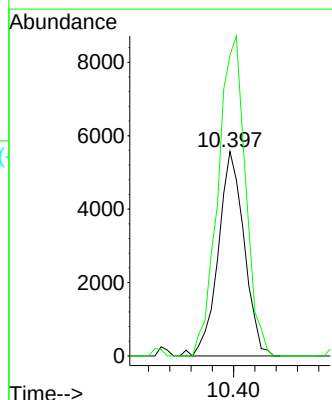
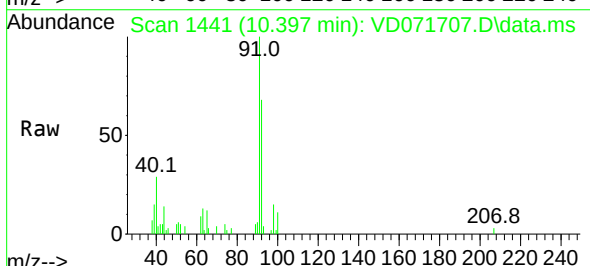
Acq: 13 Jan 2022 13:53

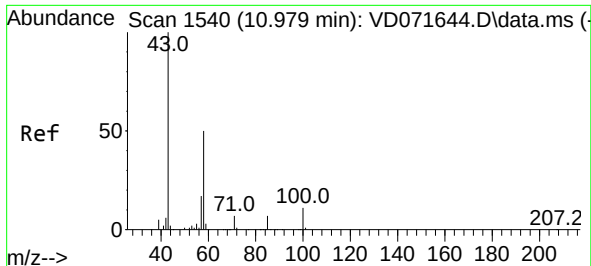
Tgt Ion: 92 Resp: 9388

Ion Ratio Lower Upper

92 100

91 166.2 137.3 205.9

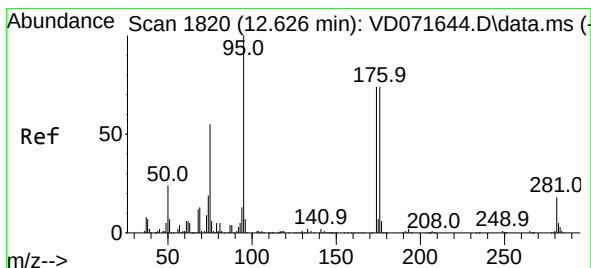
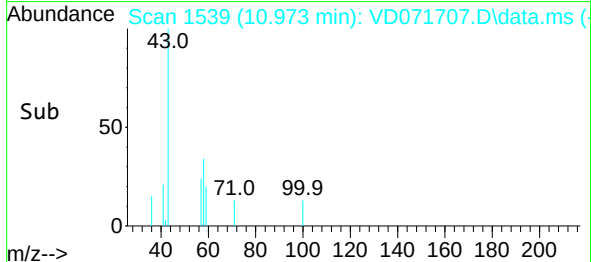
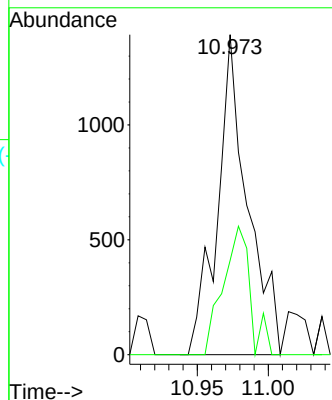
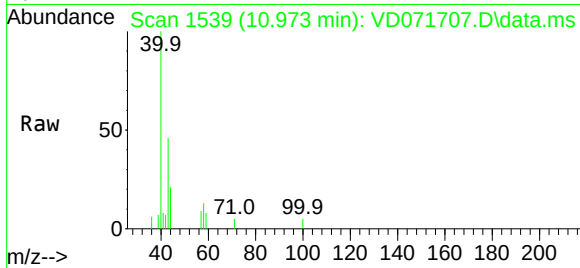




#59
2-Hexanone
Concen: 1.205 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

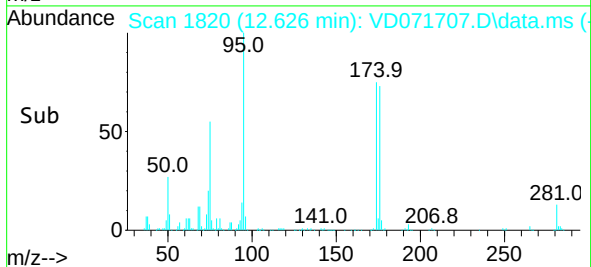
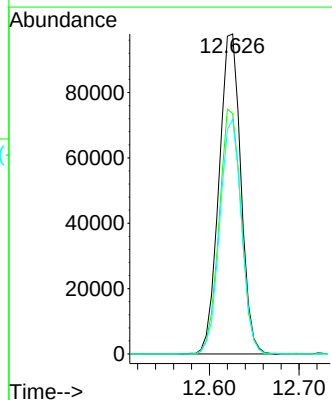
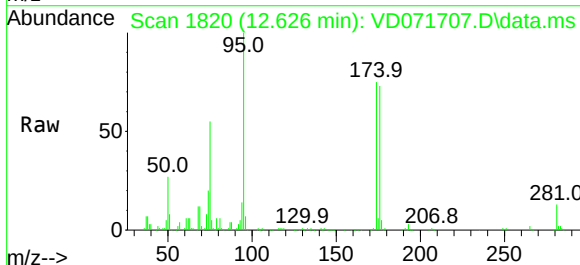
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

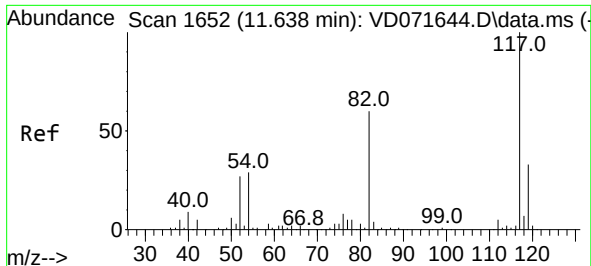
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
58 35.7 24.3 72.8



#62
4-Bromofluorobenzene
Concen: 33.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 95 Resp: 165328
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.0
176 73.0 0.0 146.4

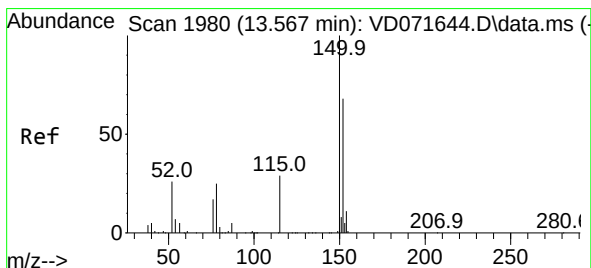
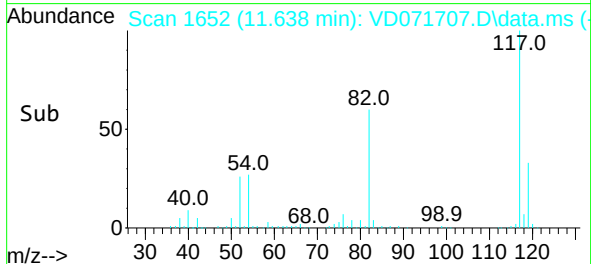
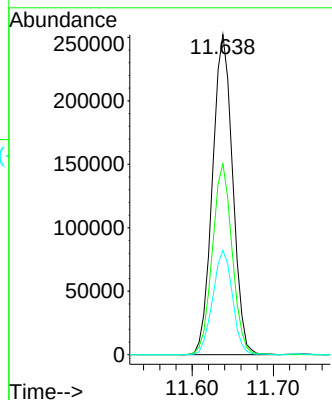
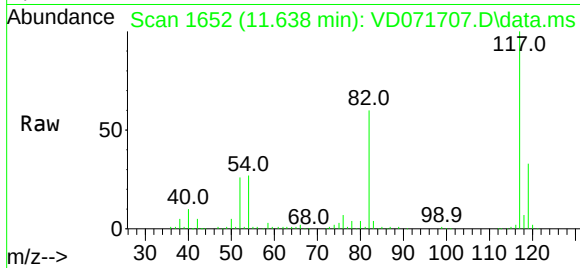




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

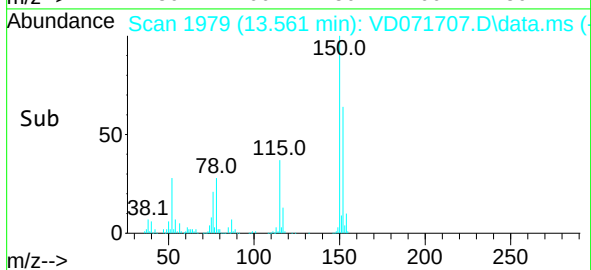
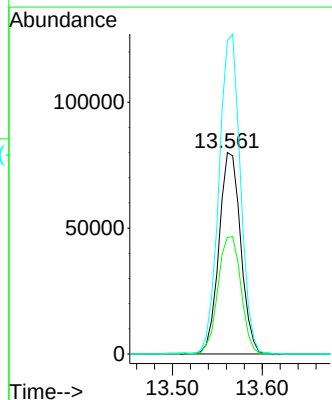
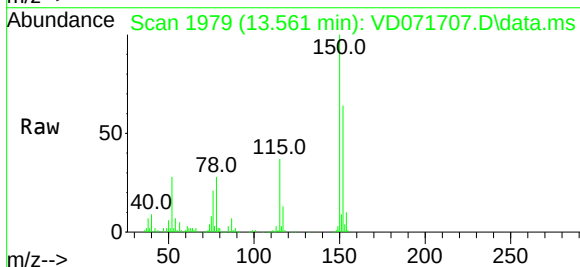
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

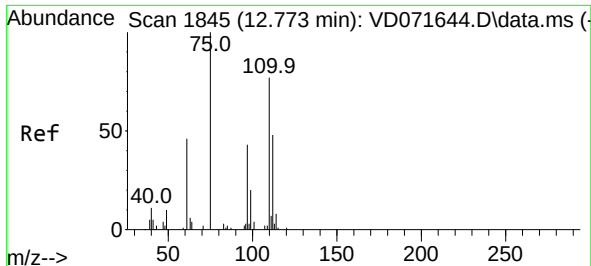
Tgt Ion:117 Resp: 435749
Ion Ratio Lower Upper
117 100
82 59.6 46.9 70.3
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion:152 Resp: 134479
Ion Ratio Lower Upper
152 100
115 61.8 31.5 94.5
150 156.6 0.0 348.0

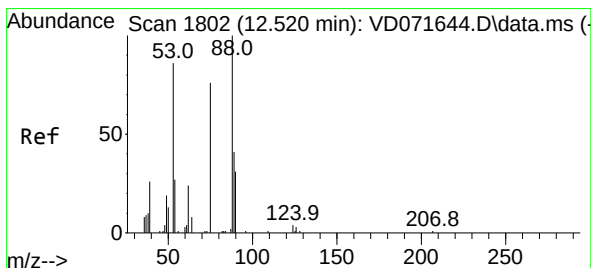
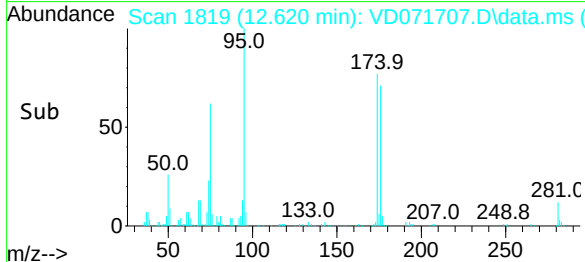
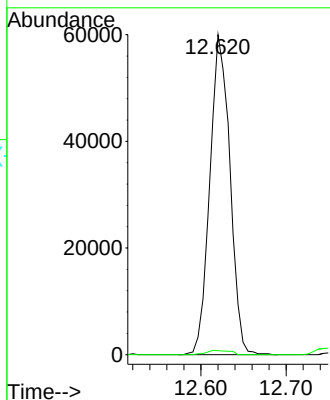
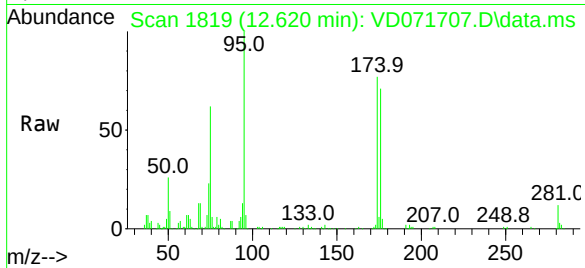




#76
1,2,3-Trichloropropane
Concen: 75.644 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

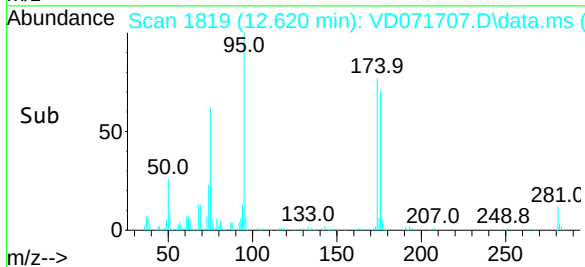
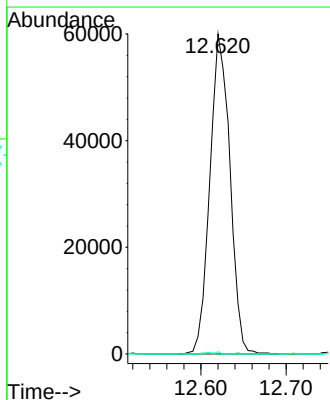
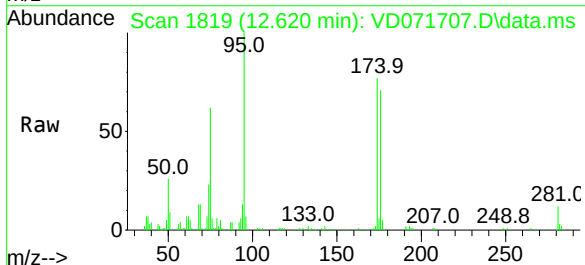
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

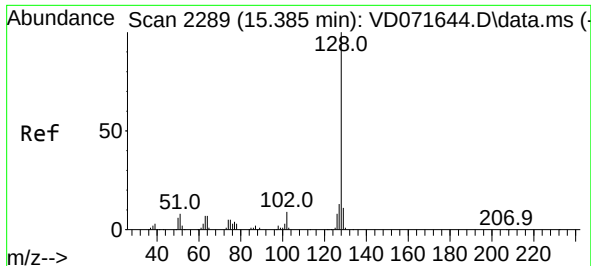
Tgt Ion: 75 Resp: 98295
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 210.887 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion: 75 Resp: 98295
Ion Ratio Lower Upper
75 100
53 0.2 95.4 143.0#
89 0.1 37.2 55.8#

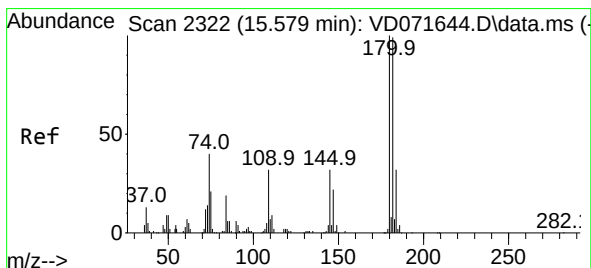
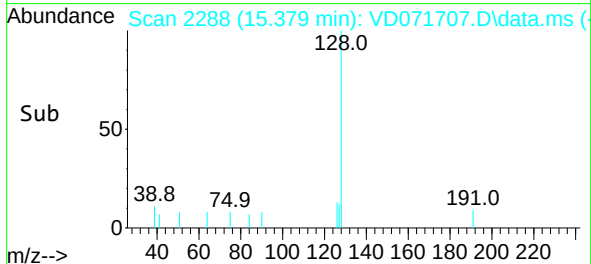
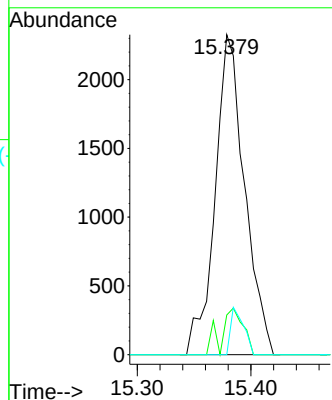
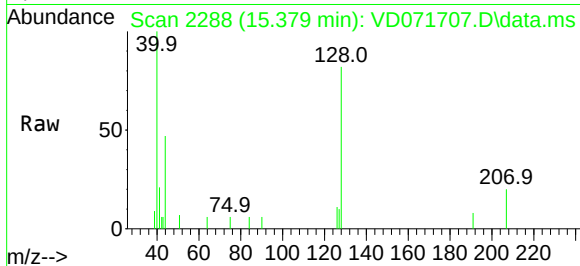




#95
Naphthalene
Concen: 1.116 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

Tgt Ion:128 Resp: 4204
Ion Ratio Lower Upper
128 100
127 10.9 10.9 16.3#
129 6.4 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.045 ug/l
RT: 15.585 min Scan# 2323
Delta R.T. 0.007 min
Lab File: VD071707.D
Acq: 13 Jan 2022 13:53

Tgt Ion:180 Resp: 1895
Ion Ratio Lower Upper
180 100
182 0.0 47.0 141.2#
145 9.7 16.4 49.2#

