

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060916.D
 Acq On : 13 Apr 2020 22:28
 Operator : JC/MD
 Sample : L2195-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

Quant Time: Apr 14 07:25:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	149161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	254810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	240434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	99511	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
35) Dibromofluoromethane	7.56	113	75558	49.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.08%	
50) Toluene-d8	10.08	98	317731	50.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	118488	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	

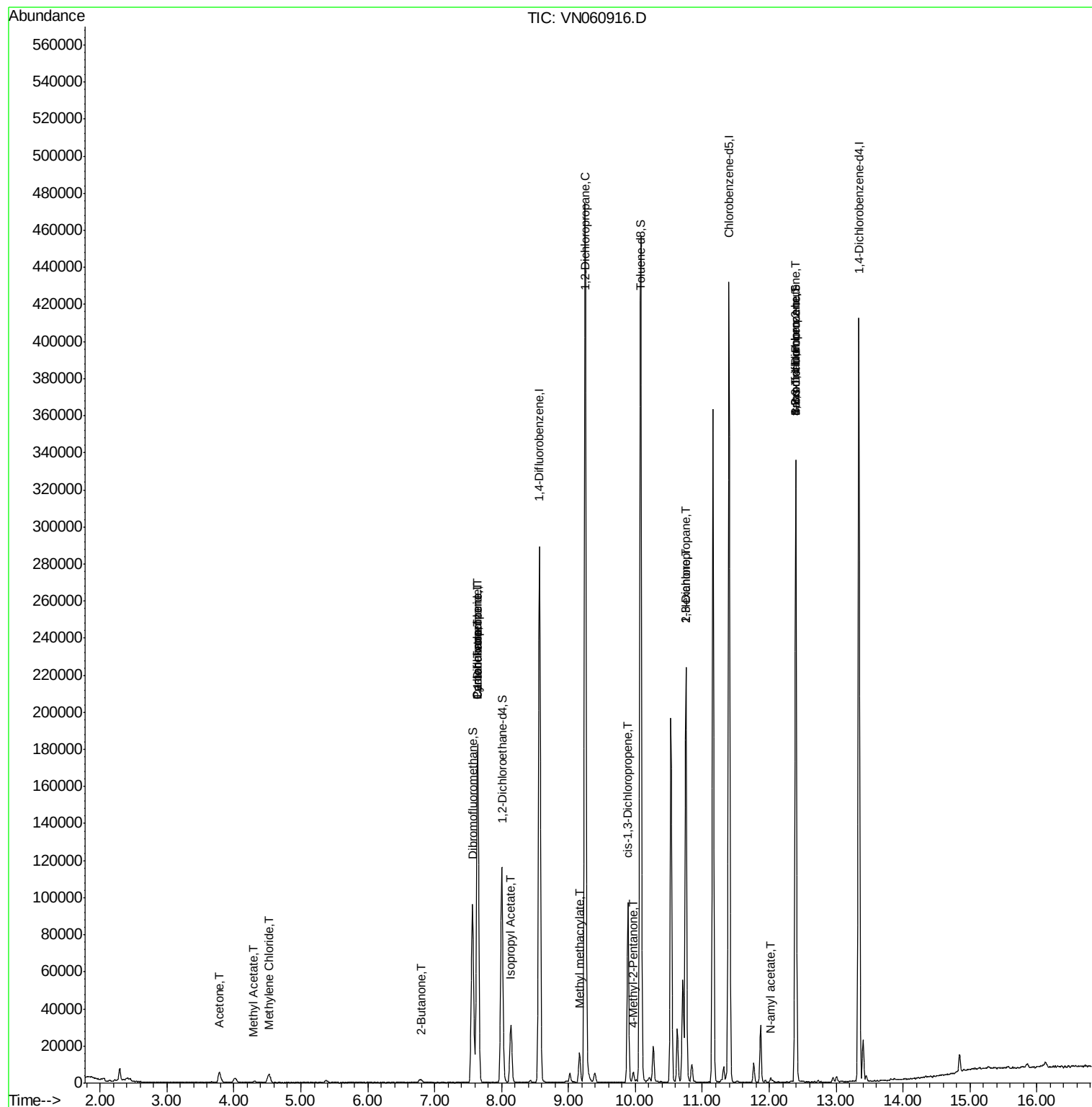
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10486	14.457	ug/l	99
18) Methyl Acetate	4.30	43	1571	0.770	ug/l #	54
20) Methylene Chloride	4.52	84	3567	1.999	ug/l	90
25) 2-Butanone	6.80	43	1040	0.886	ug/l	97
31) Cyclohexane	7.64	56	3349	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12483	5.059	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14244	6.441	ug/l #	16
43) Isopropyl Acetate	8.14	43	38520	8.761	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	467	0.238	ug/l #	43
48) Methyl methacrylate	9.16	41	2457	1.255	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4377	1.749	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	16939	5.444	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	2160	0.719	ug/l #	42
59) 2-Hexanone	10.75	43	34971	19.404	ug/l #	51
71) Bromoform	12.39	173	207	1.820	ug/l #	1
74) N-amyl acetate	12.02	43	2132	0.570	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60758	26.097	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60758	67.025	ug/l #	13

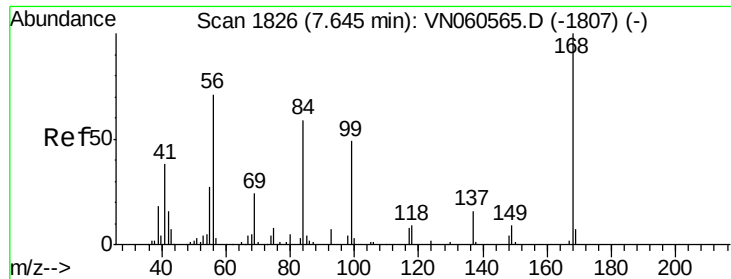
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 14 07:25:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

Instrument :

MSVOA_N

ClientSampled :

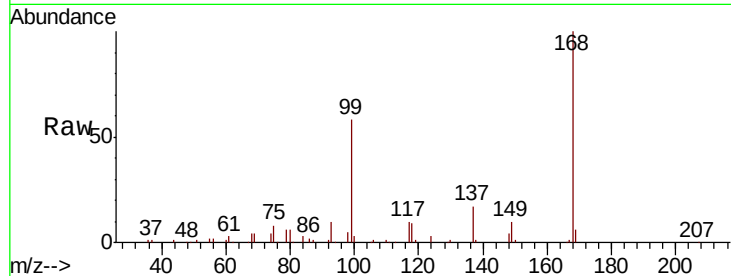
VNJ-223

Tot Ion:168 Resp: 149161

Ion Ratio Lower Upper

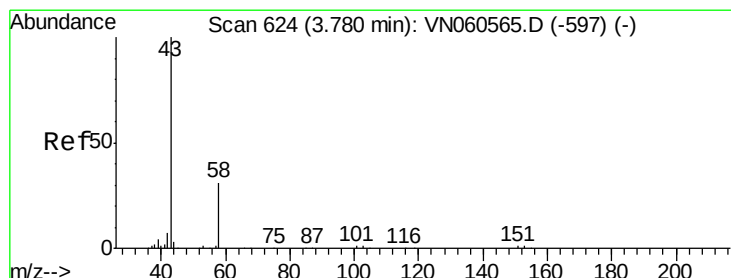
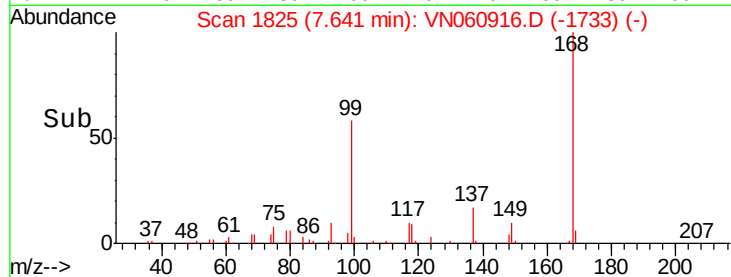
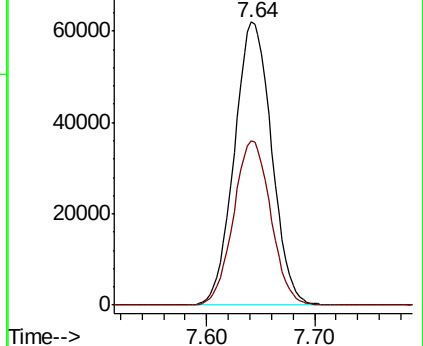
168 100

99 58.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 14.457 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060916.D

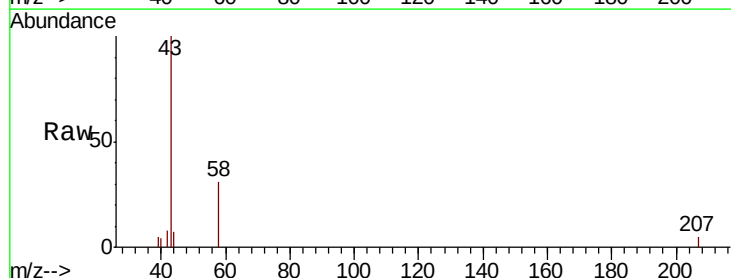
Acq: 13 Apr 2020 22:28

Tgt Ion: 43 Resp: 10486

Ion Ratio Lower Upper

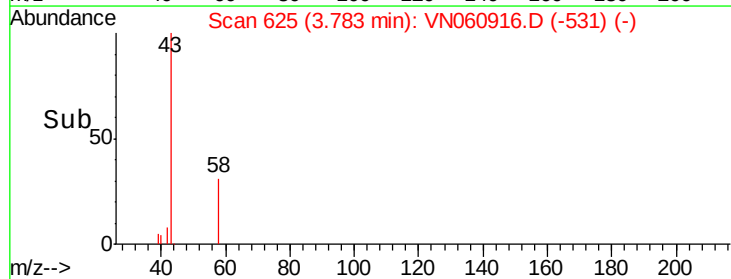
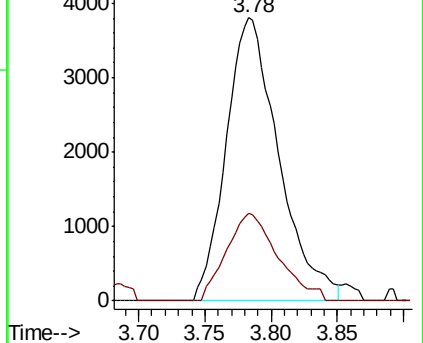
43 100

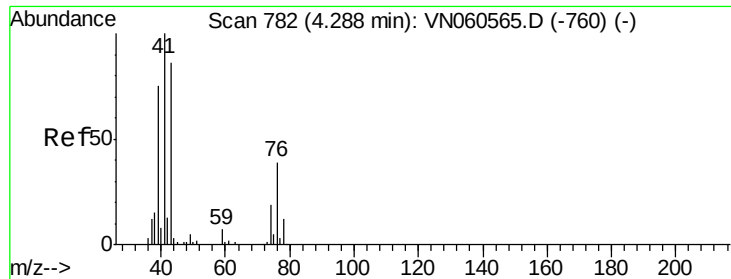
58 31.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

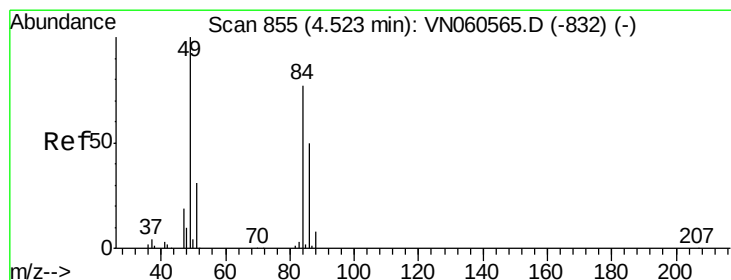
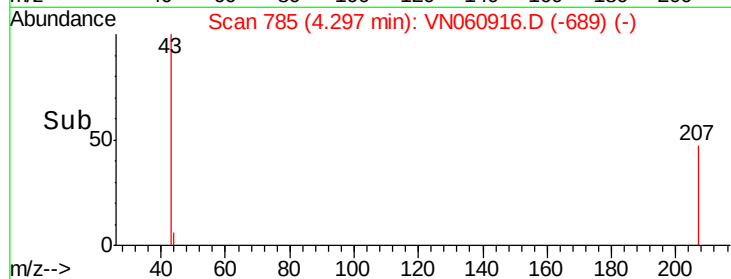
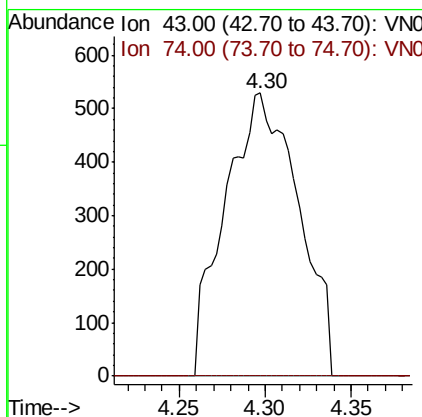
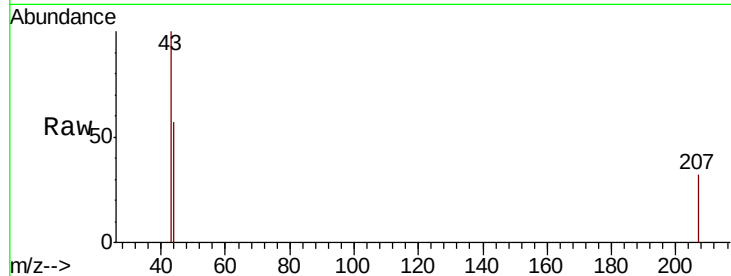




#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

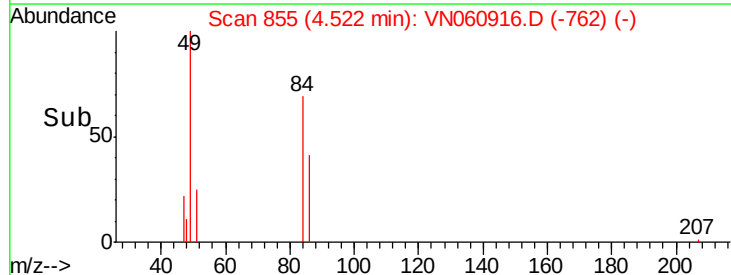
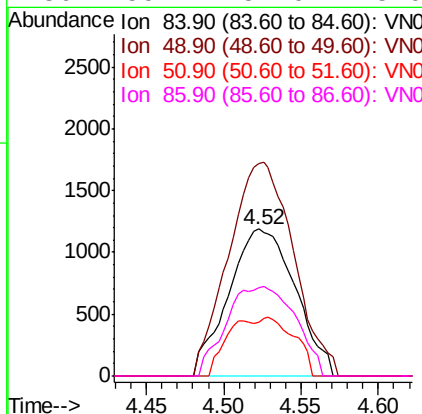
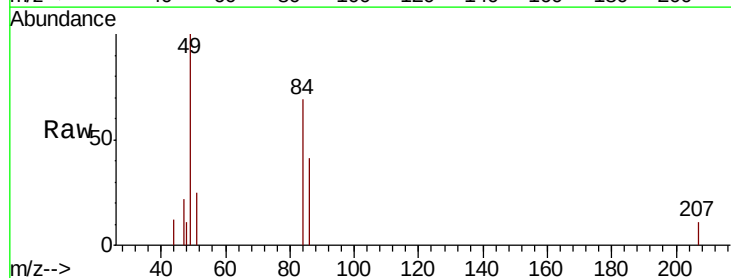
Instrument :
MSVOA_N
ClientSampled :
VNJ-223

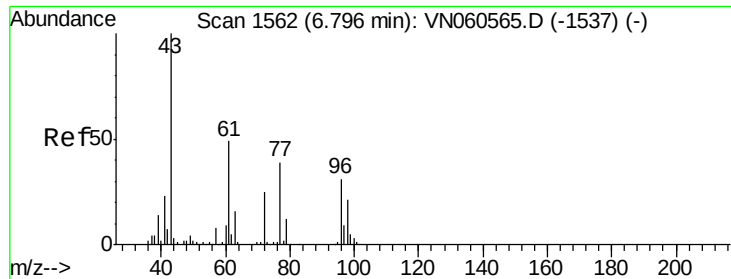
Tot Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.999 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

Tgt Ion: 84 Resp: 3567
Ion Ratio Lower Upper
84 100
49 144.6 103.3 154.9
51 36.8 31.6 47.4
86 59.7 52.0 78.0





#25

2-Butanone

Concen: 0.886 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

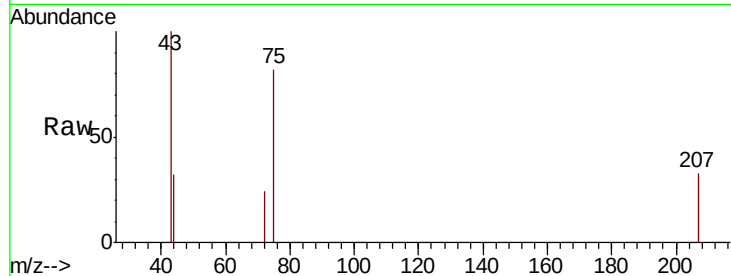
VNJ-223

Tot Ion: 43 Resp: 1040

Ion Ratio Lower Upper

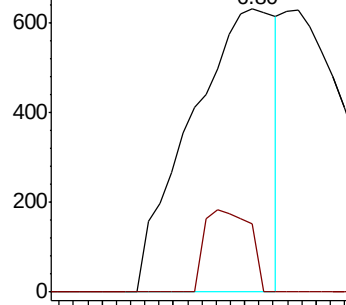
43 100

72 23.9 20.4 30.6

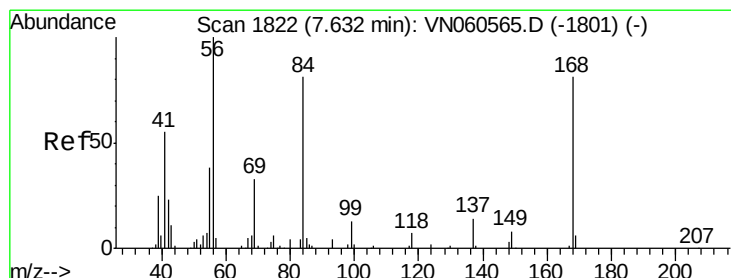
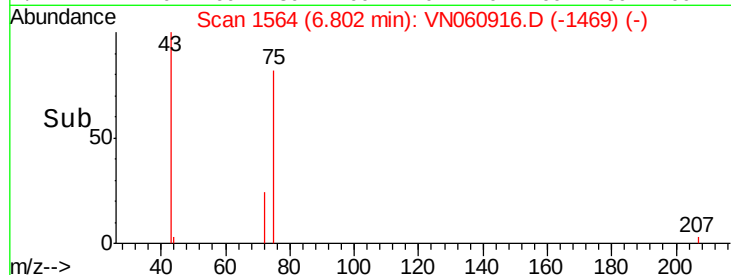


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

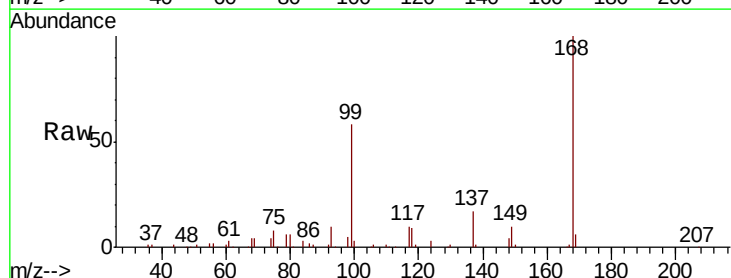
Tgt Ion: 56 Resp: 3349

Ion Ratio Lower Upper

56 100

69 165.7 26.6 40.0#

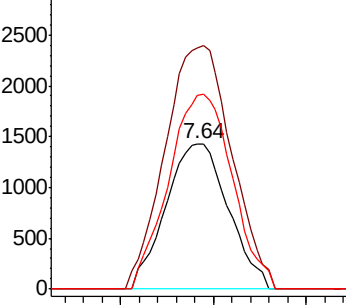
84 133.0 64.3 96.5#



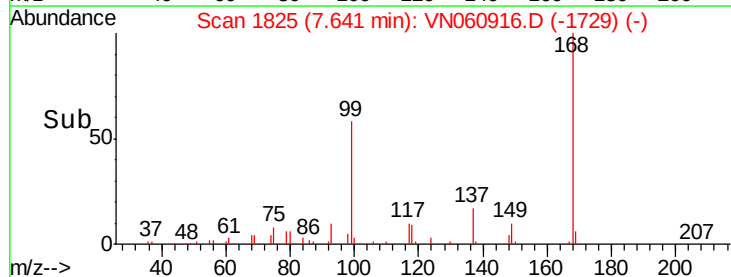
Abundance Ion 56.00 (55.70 to 56.70): VN0

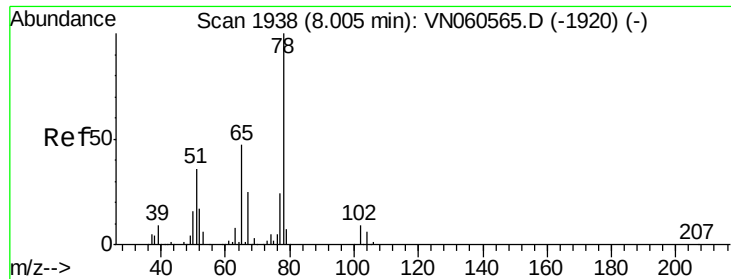
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

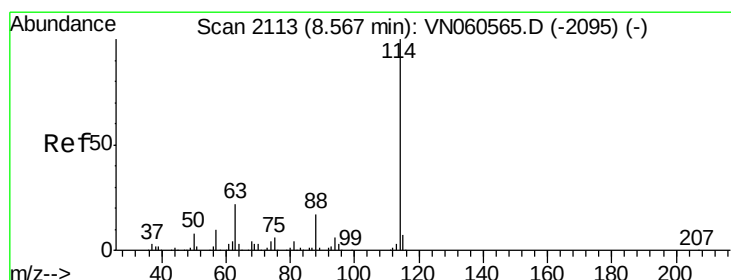
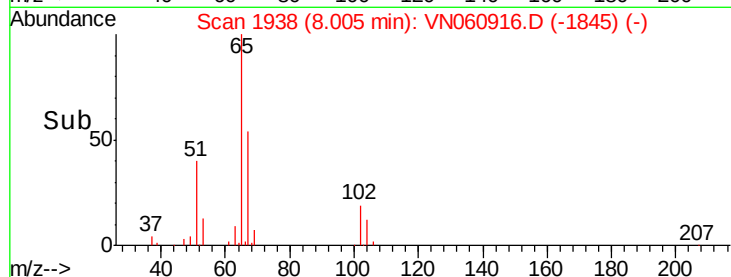
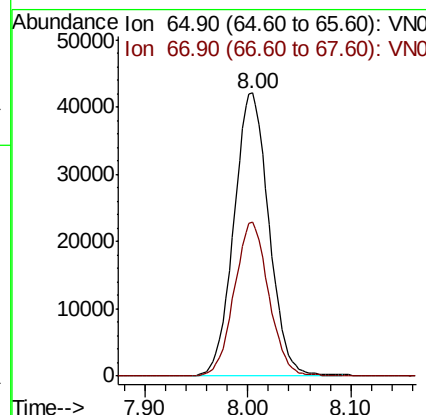
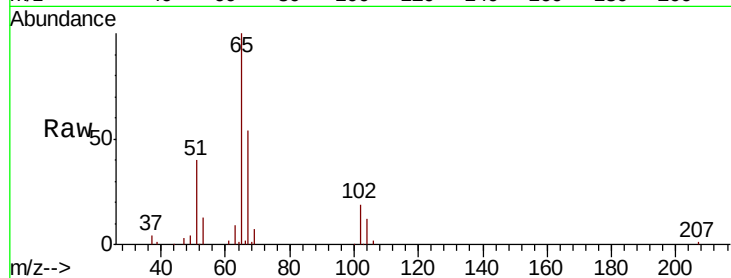




#33
 1,2-Dichloroethane-d4
 Concen: 48.598 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

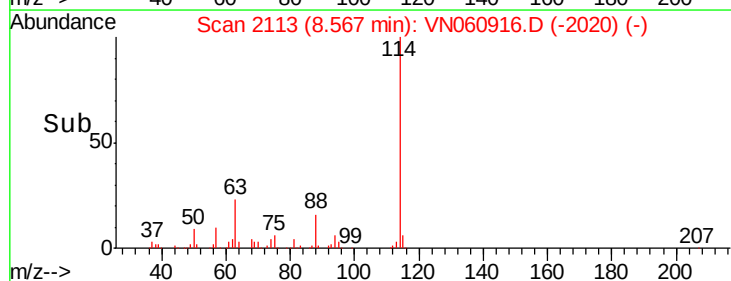
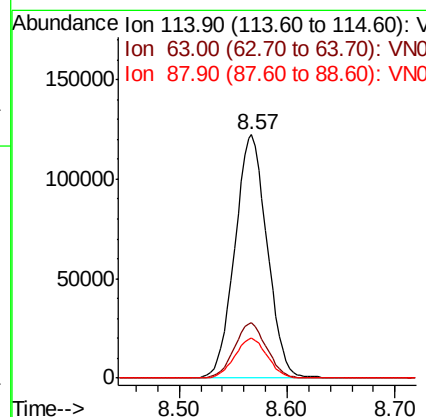
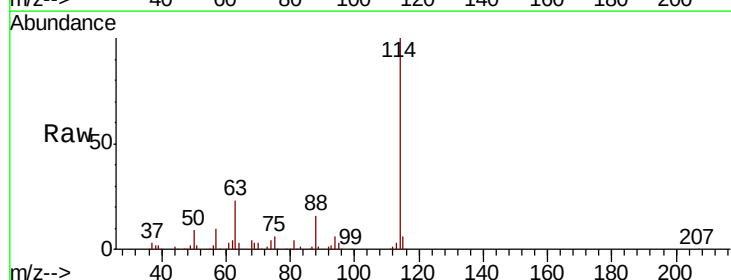
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

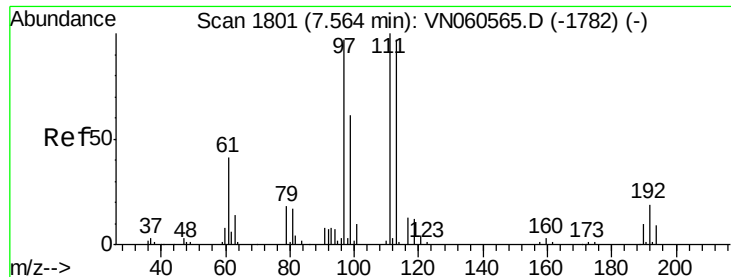
Tot Ion: 65 Resp: 99511
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

Tgt Ion: 114 Resp: 254810
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.4 0.0 33.0

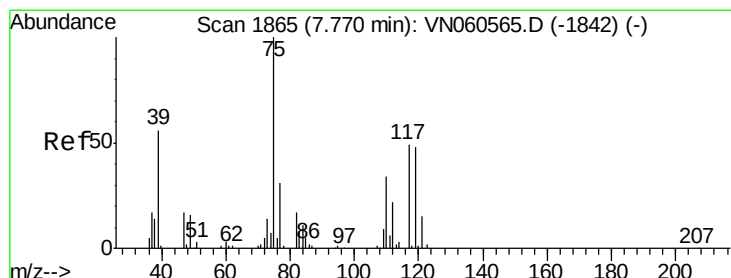
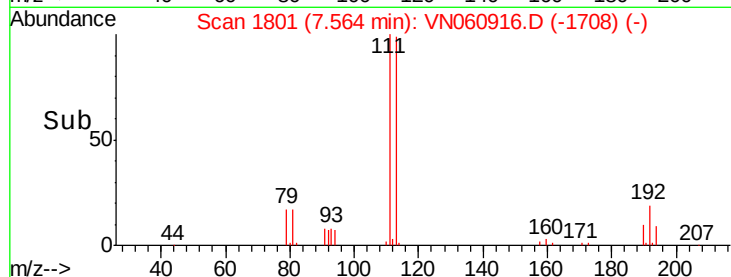
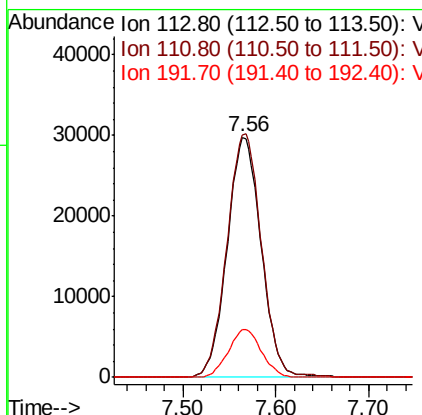
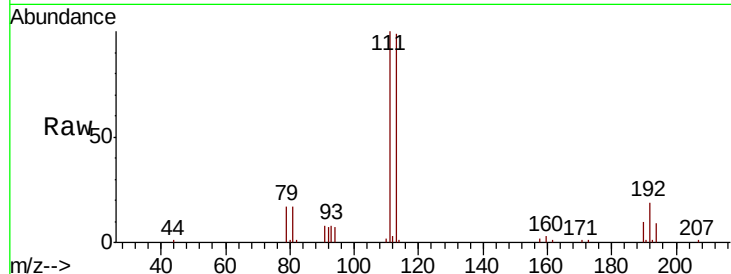




#35
 Dibromofluoromethane
 Concen: 49.040 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

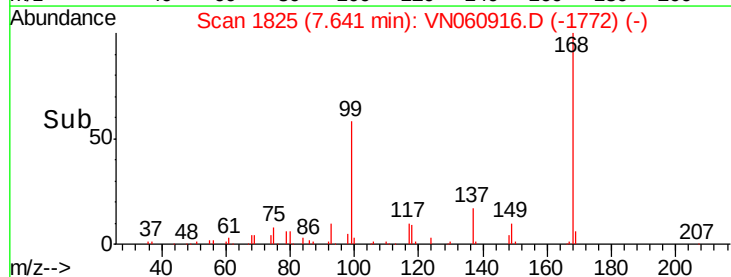
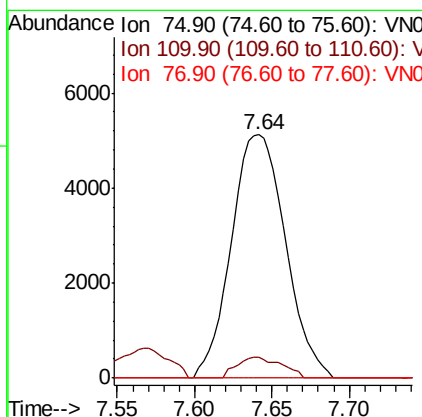
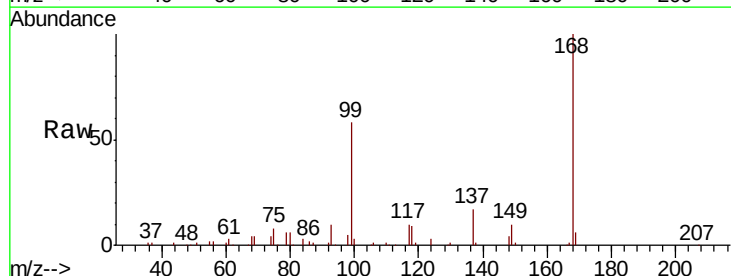
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

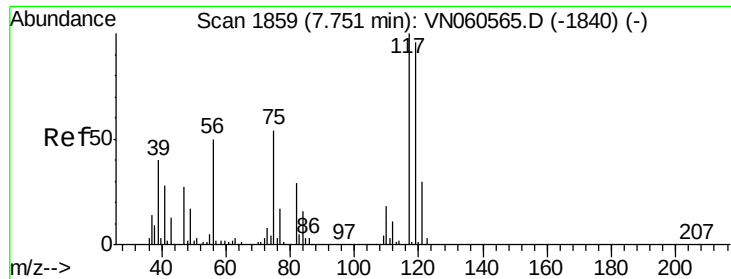
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.3	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.9	50.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.441 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VNJ-223

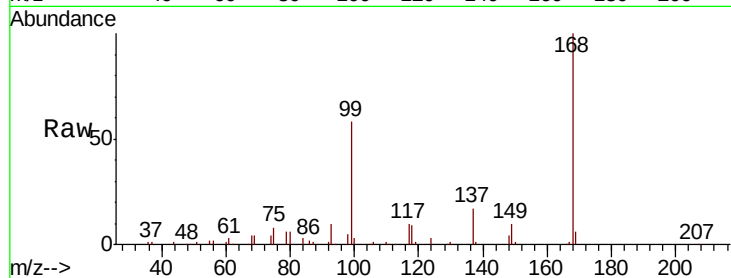
Tot Ion:117 Resp: 14244

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

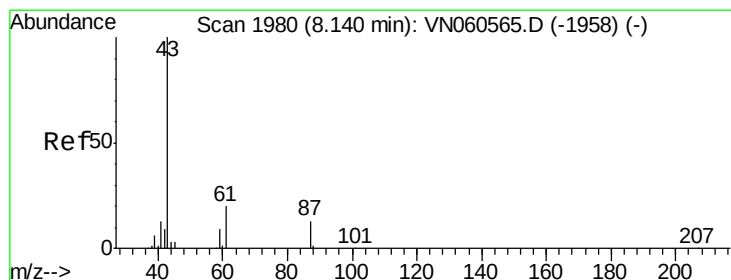
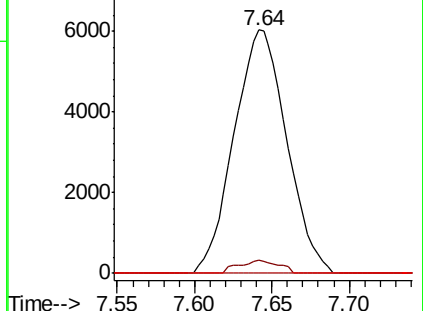
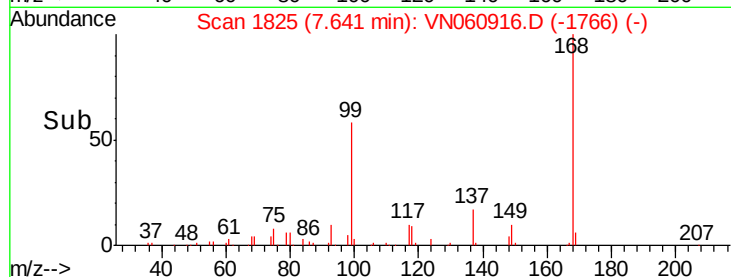
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.761 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

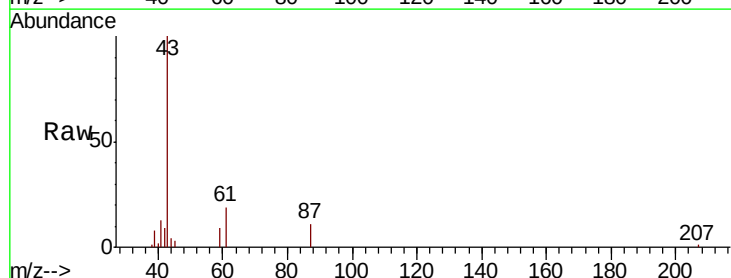
Tgt Ion: 43 Resp: 38520

Ion Ratio Lower Upper

43 100

61 18.8 20.7 31.1#

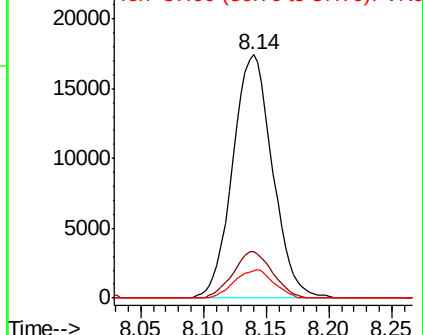
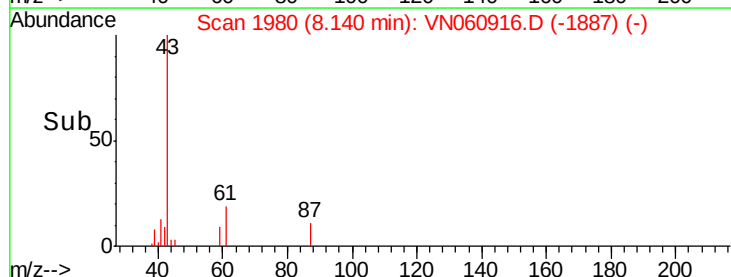
87 11.3 9.8 14.8

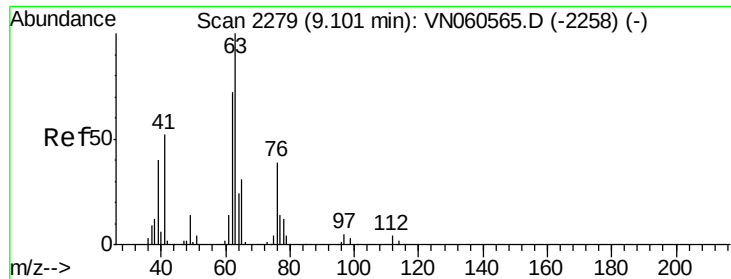


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

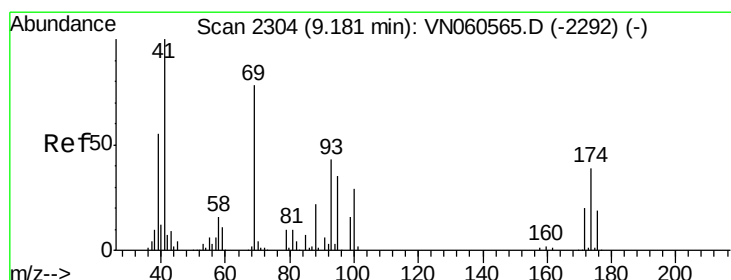
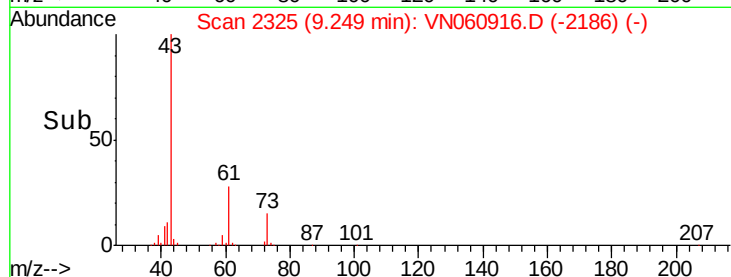
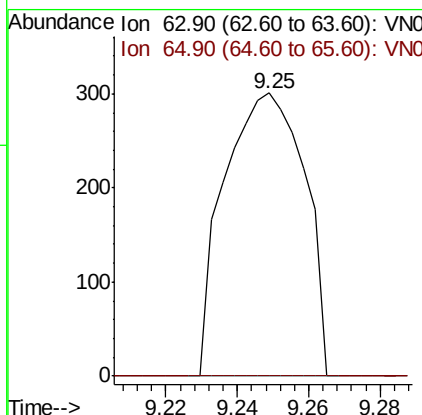
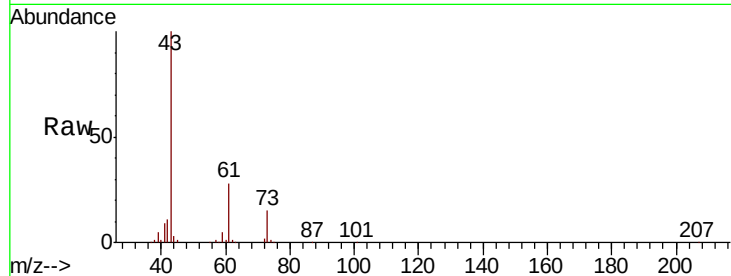




#45
 1,2-Dichloropropane
 Concen: 0.238 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

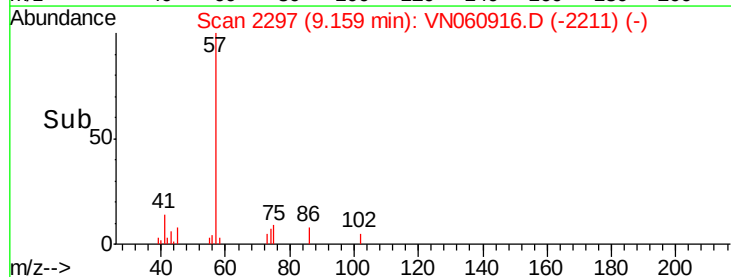
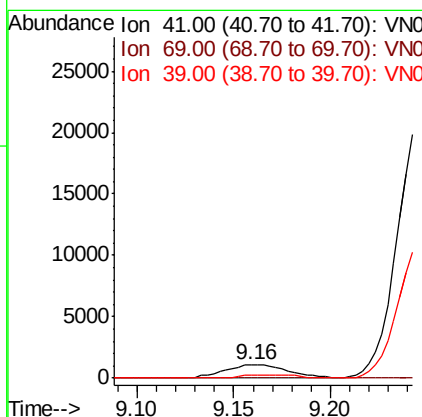
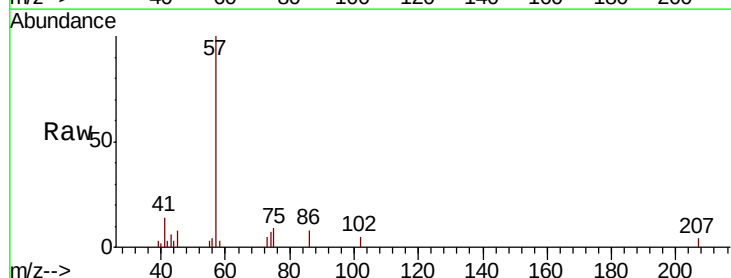
Instrument :
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 VNJ-223

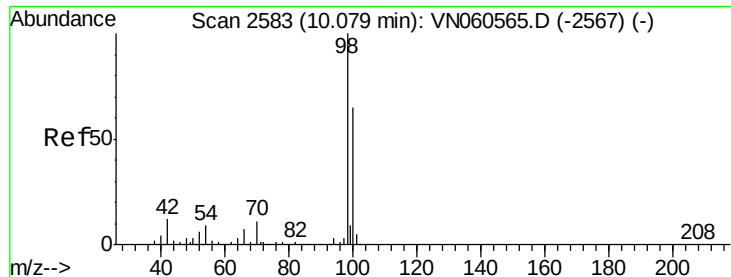
Tot Ion: 63 Resp: 467
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.255 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

Tgt Ion: 41 Resp: 2457
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

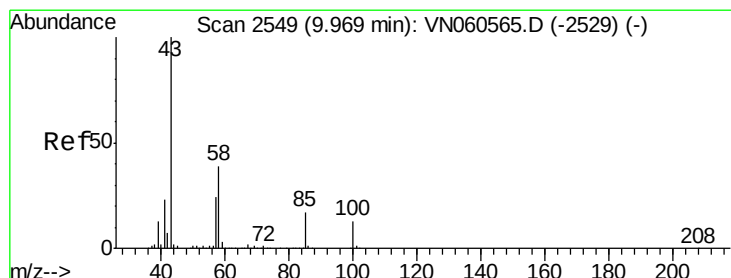
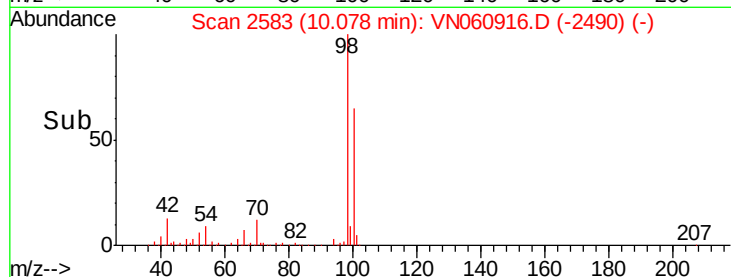
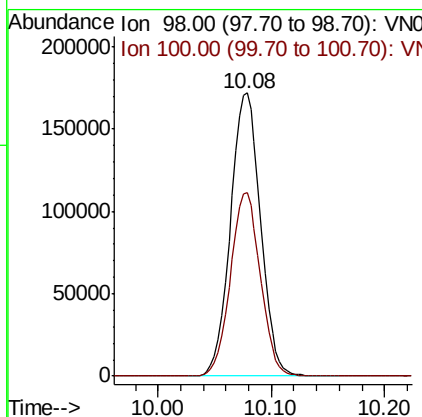
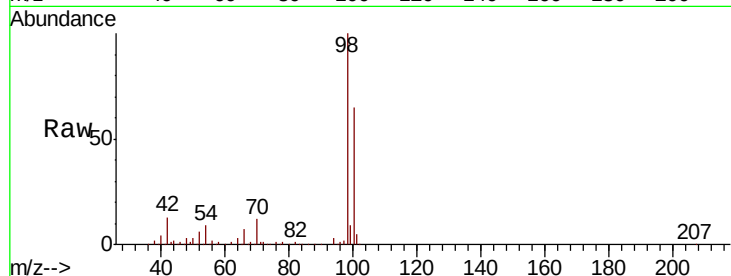




#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

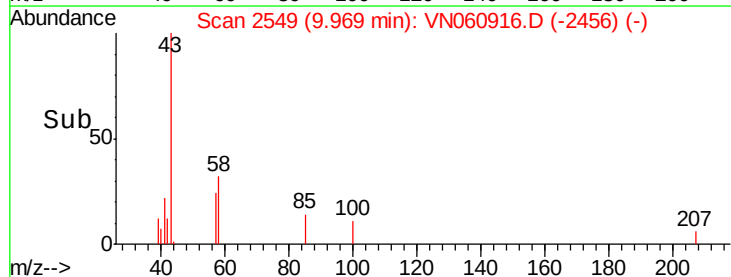
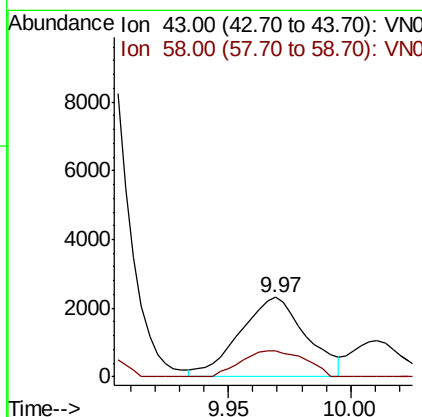
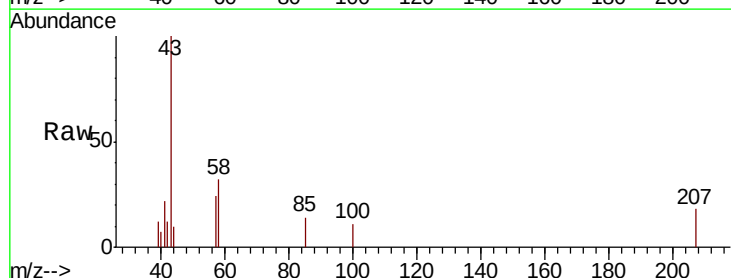
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

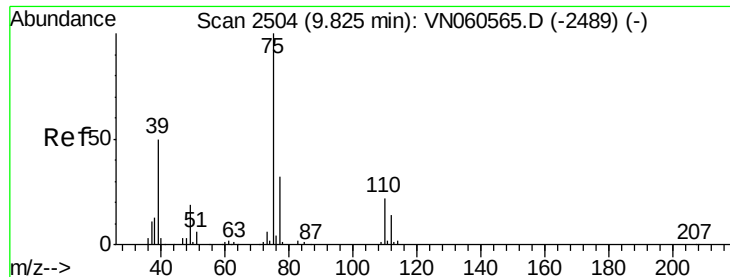
Tot Ion: 98 Resp: 317731
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.749 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

Tgt Ion: 43 Resp: 4377
Ion Ratio Lower Upper
43 100
58 31.6 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 5.444 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VNJ-223

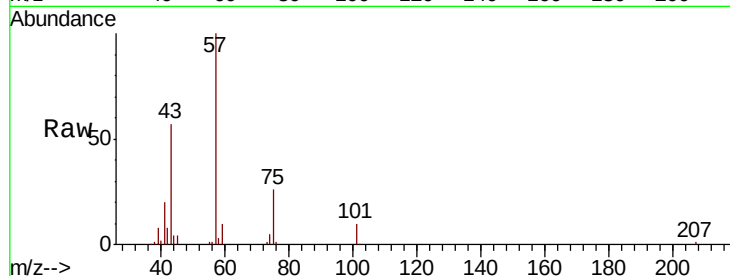
Tot Ion: 75 Resp: 16939

Ion Ratio Lower Upper

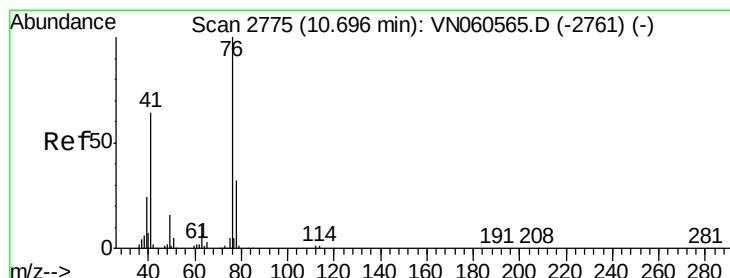
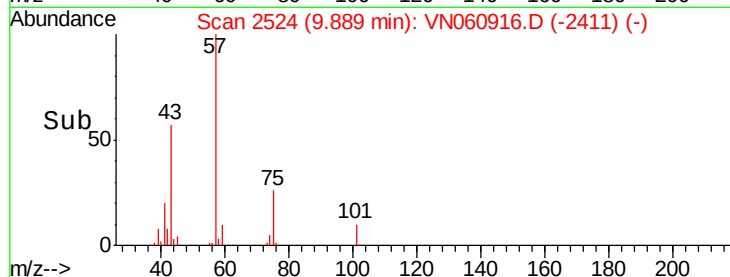
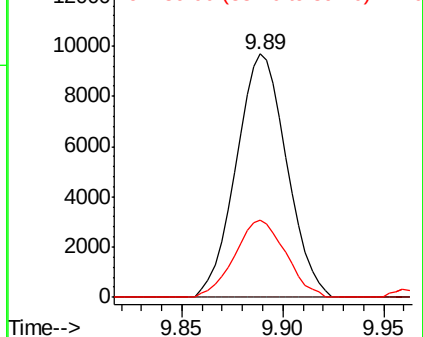
75 100

77 0.0 25.4 38.0#

39 31.9 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.719 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060916.D

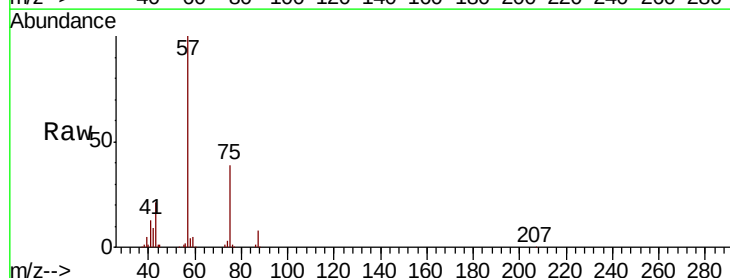
Acq: 13 Apr 2020 22:28

Tgt Ion: 76 Resp: 2160

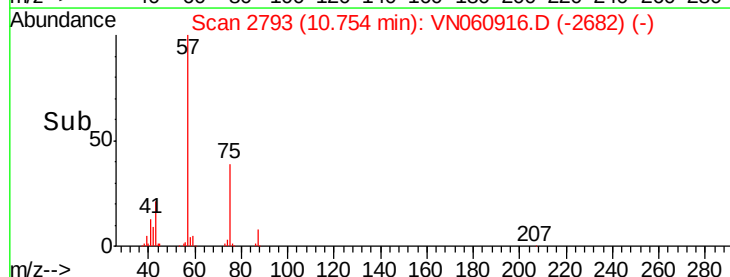
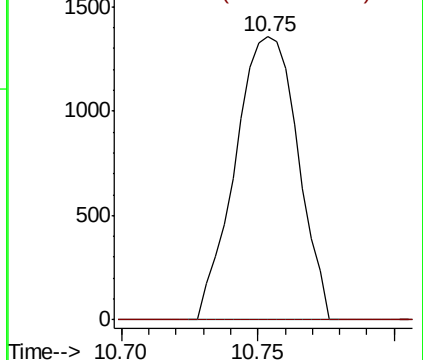
Ion Ratio Lower Upper

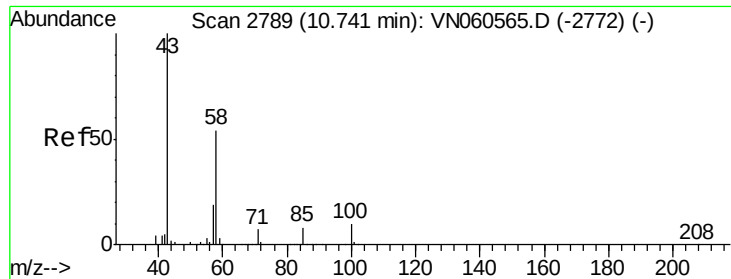
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

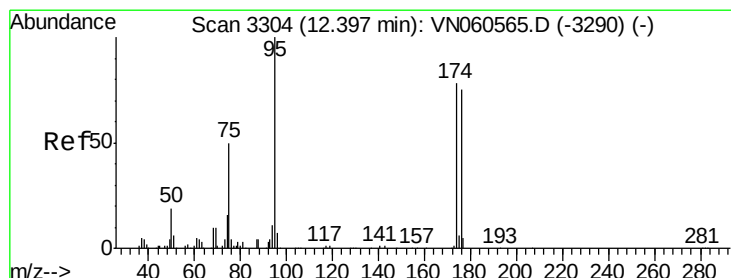
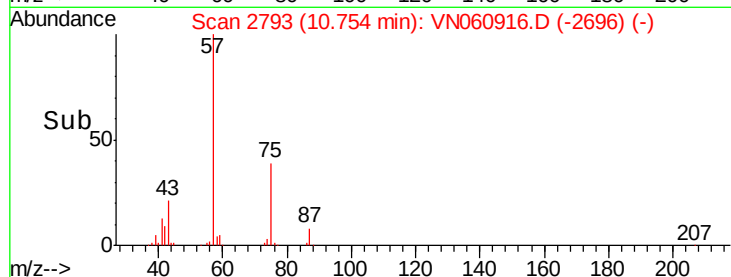
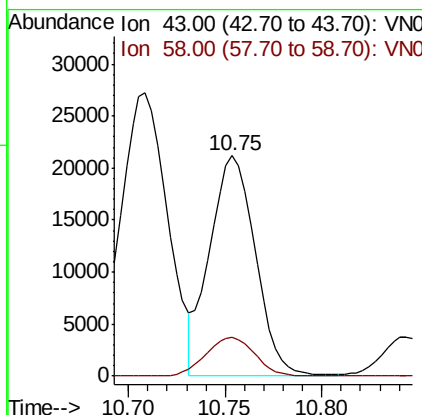
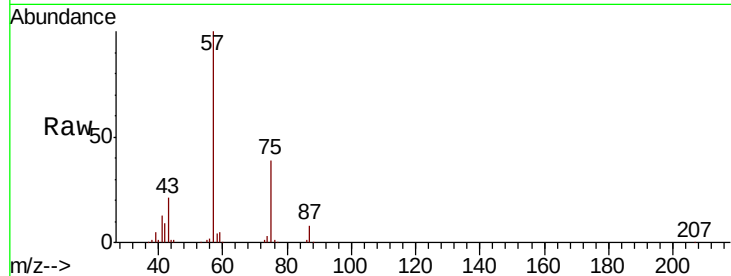




#59
2-Hexanone
Concen: 19.404 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

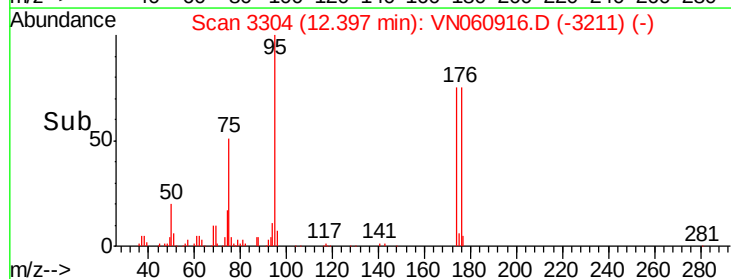
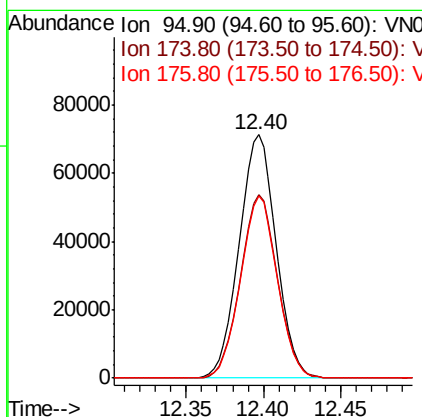
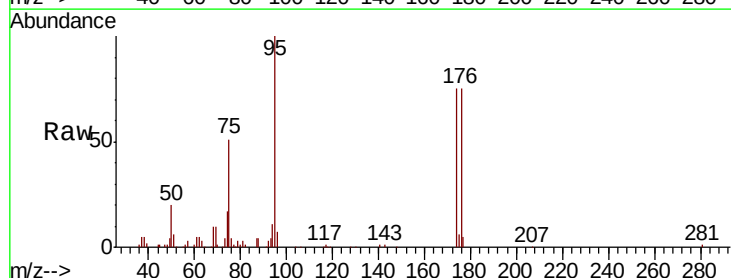
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

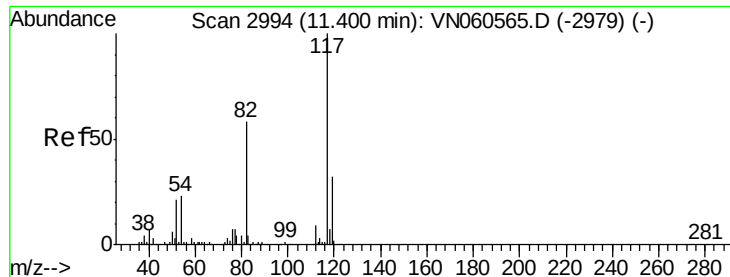
Tot Ion: 43 Resp: 34971
Ion Ratio Lower Upper
43 100
58 18.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.373 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

Tgt Ion: 95 Resp: 118488
Ion Ratio Lower Upper
95 100
174 75.6 0.0 157.6
176 74.1 0.0 150.6

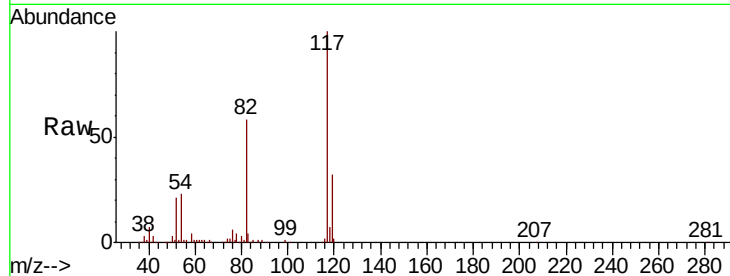




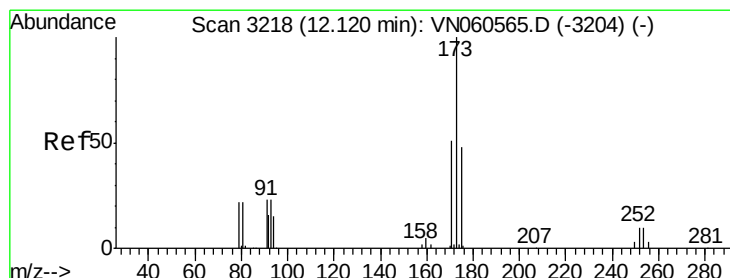
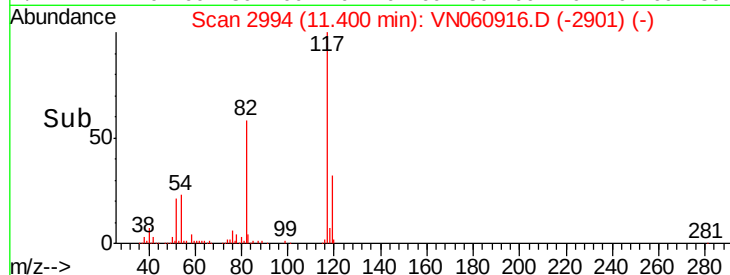
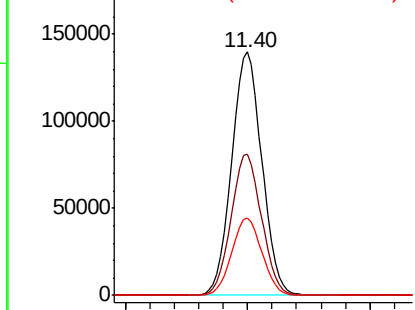
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

Tot Ion:117 Resp: 240434
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 31.7 25.5 38.3

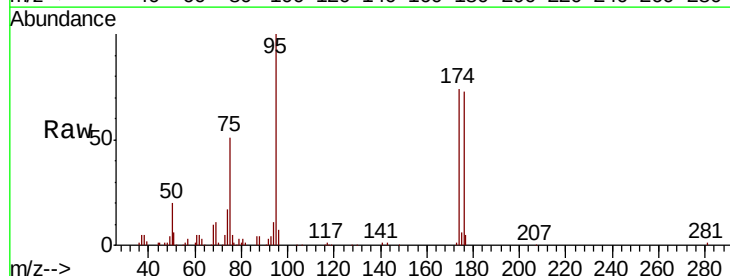


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

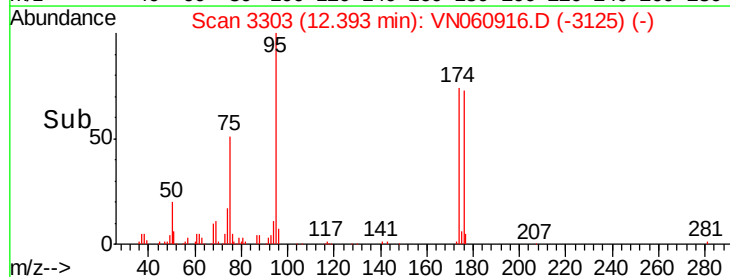
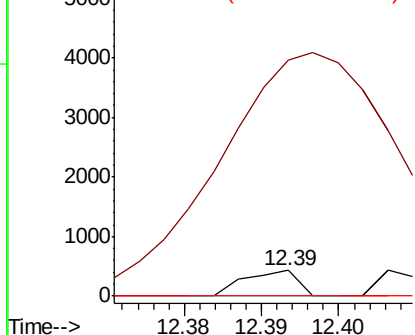


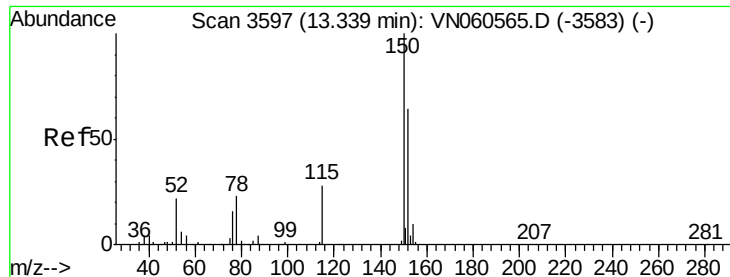
#71
Bromoform
Concen: 1.820 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060916.D
Acq: 13 Apr 2020 22:28

Tgt Ion:173 Resp: 207
Ion Ratio Lower Upper
173 100
175 2793.2 24.1 72.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

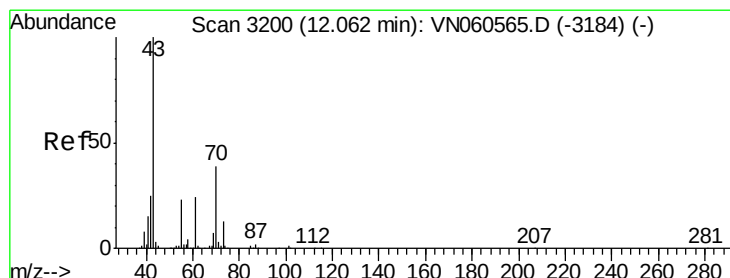
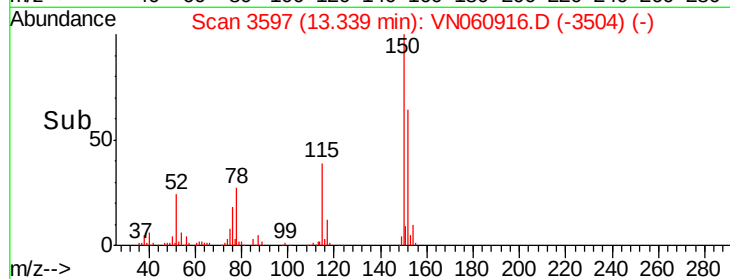
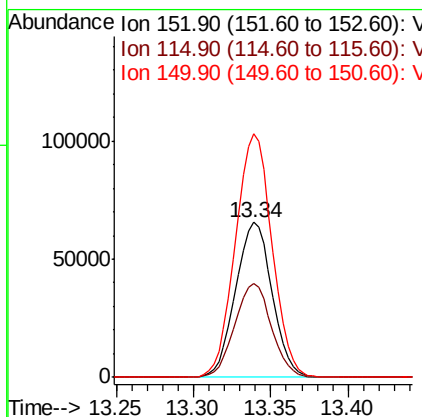
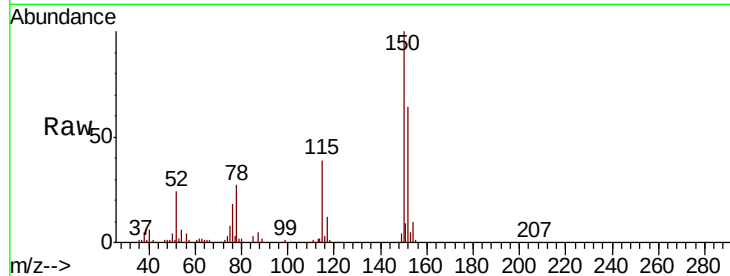




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

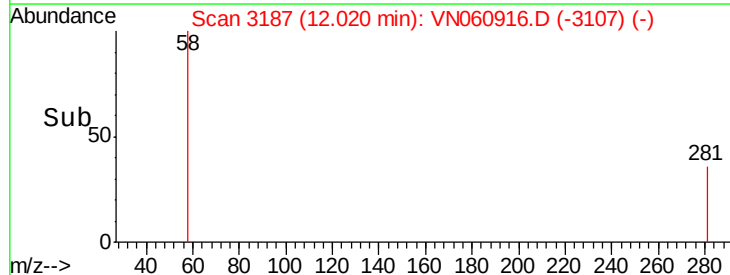
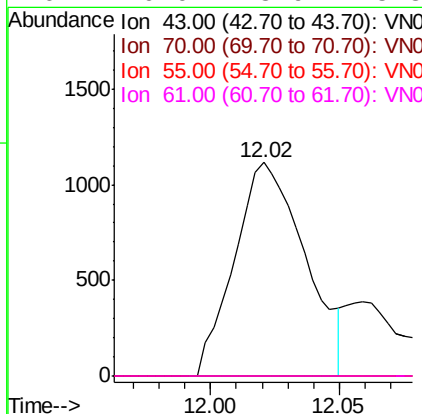
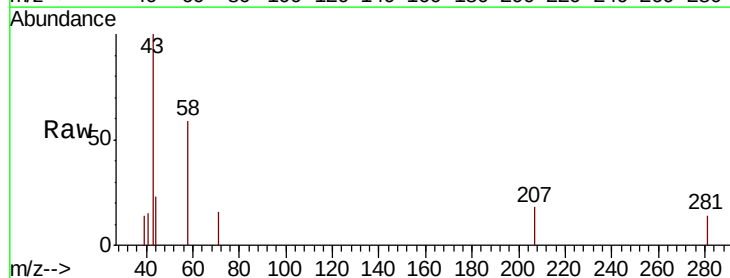
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

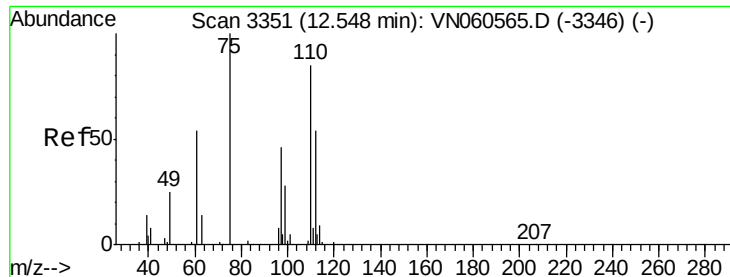
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.2	90.6
150	157.2	0.0	350.2



#74
 N-ethyl acetate
 Concen: 0.570 ug/l
 RT: 12.02 min Scan# 3187
 Delta R.T. -0.04 min
 Lab File: VN060916.D
 Acq: 13 Apr 2020 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#





#76

1,2,3-Trichloropropane

Concen: 26.097 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

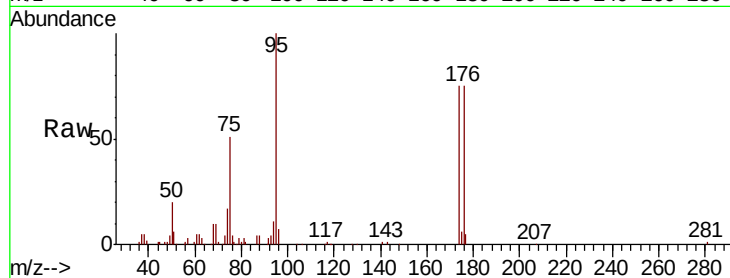
VNJ-223

Tot Ion: 75 Resp: 60758

Ion Ratio Lower Upper

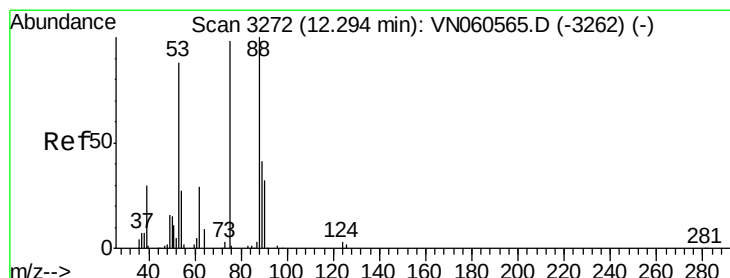
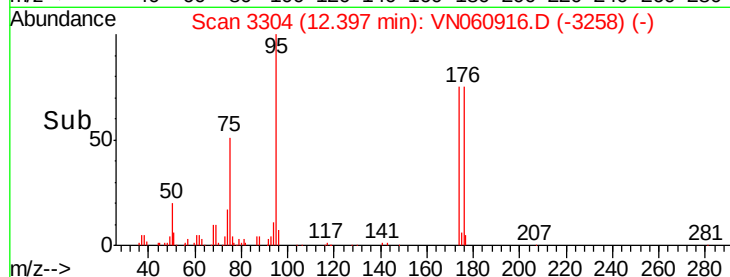
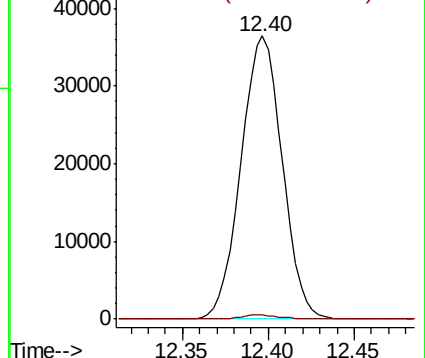
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.025 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060916.D

Acq: 13 Apr 2020 22:28

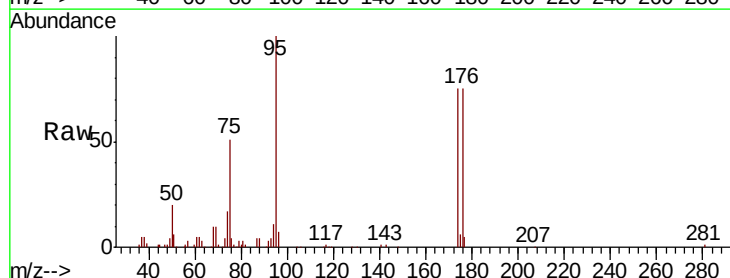
Tgt Ion: 75 Resp: 60758

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

