

Data File : VN059946.D
Acq On : 31 Jan 2020 14:34
Operator : JC/MD
Sample : L1325-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Quant Time: Feb 03 01:20:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	305085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110009	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	93136	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.08	98	369744	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	133286	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

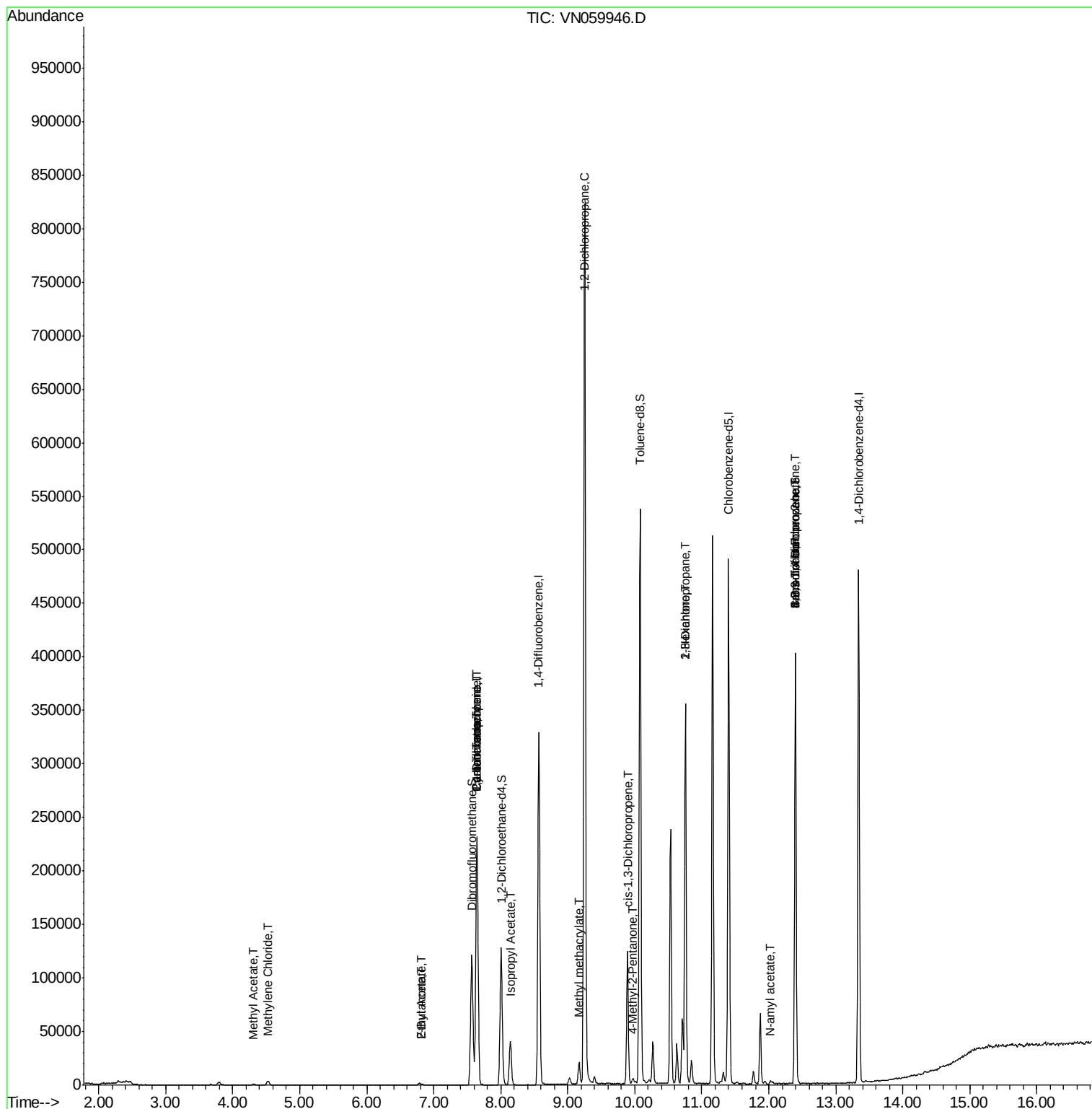
						Qvalue
16) Acetone	3.79	43	5385	Below Cal		97
18) Methyl Acetate	4.30	43	1366	0.534 ug/l #		54
20) Methylene Chloride	4.52	84	3060	0.258 ug/l #		83
25) 2-Butanone	6.82	43	1206	0.973 ug/l #		50
31) Cyclohexane	7.64	56	3921	1.211 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	13744	5.173 ug/l #		47
37) Ethyl Acetate	6.82	43	1206	0.484 ug/l #		69
38) Carbon Tetrachloride	7.64	117	18311	6.336 ug/l #		17
43) Isopropyl Acetate	8.14	43	48900	11.409 ug/l #		91
45) 1,2-Dichloropropane	9.25	63	1027	0.524 ug/l #		44
48) Methyl methacrylate	9.16	41	2916	1.521 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	3559	1.436 ug/l		91
54) cis-1,3-Dichloropropene	9.89	75	23057	7.041 ug/l #		58
57) 1,3-Dichloropropane	10.75	76	3975	1.263 ug/l #		42
59) 2-Hexanone	10.75	43	51572	28.254 ug/l #		55
71) Bromoform	12.40	173	584	0.333 ug/l #		1
74) N-amyl acetate	12.02	43	2629	0.697 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	68079	30.536 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	68079	65.577 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30	Below Cal #		6

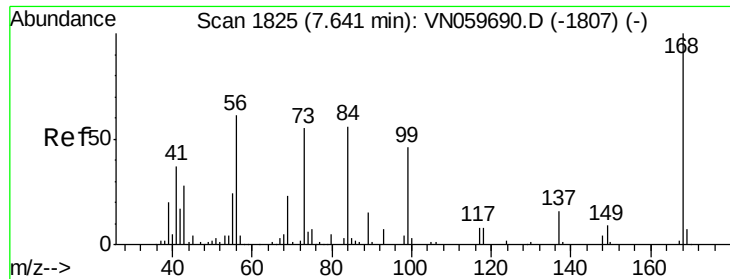
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

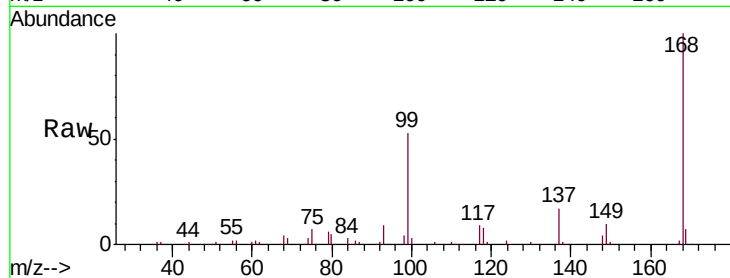
VNJ-232

Tgt Ion:168 Resp: 197101

Ion Ratio Lower Upper

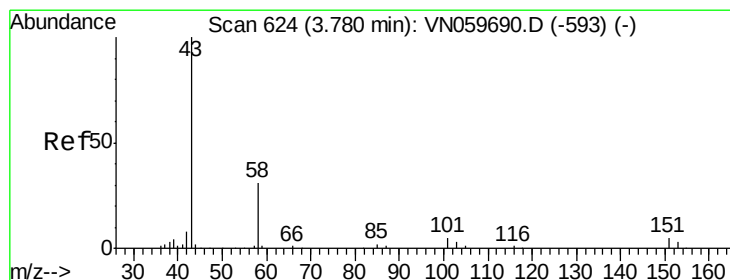
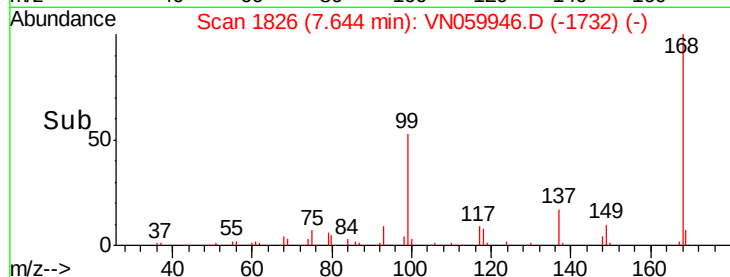
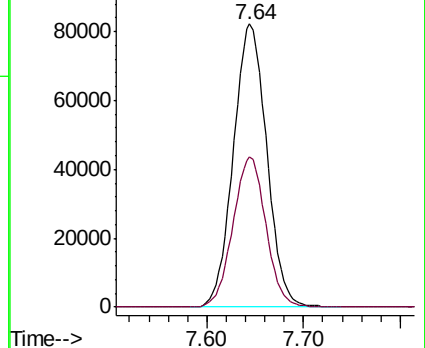
168 100

99 53.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059946.D

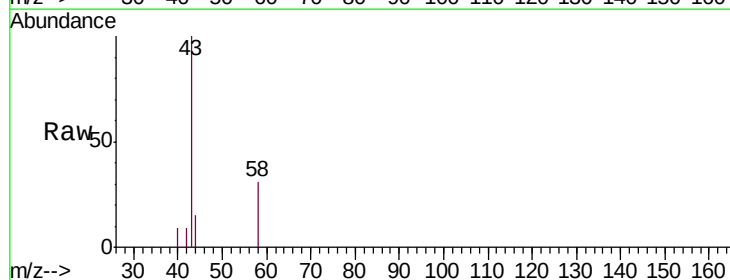
Acq: 31 Jan 2020 14:34

Tgt Ion: 43 Resp: 5385

Ion Ratio Lower Upper

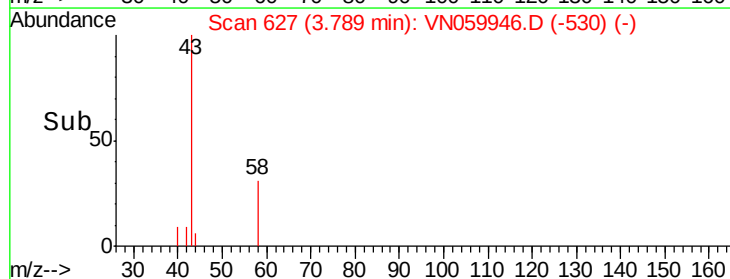
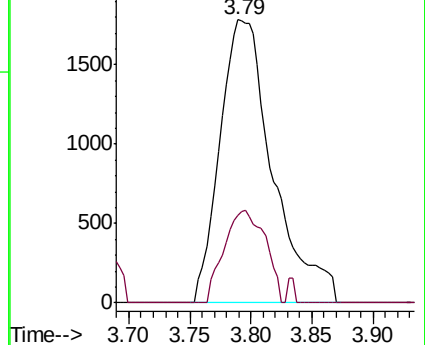
43 100

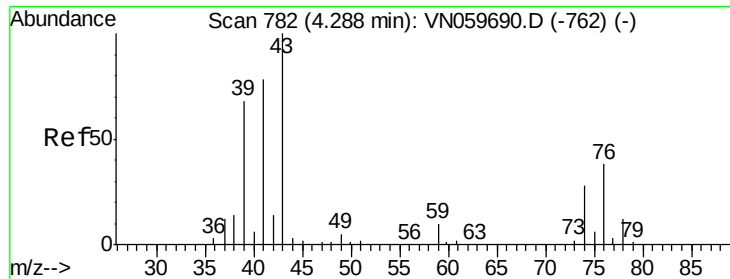
58 30.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

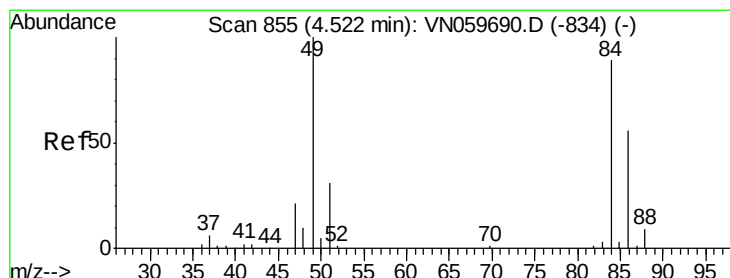
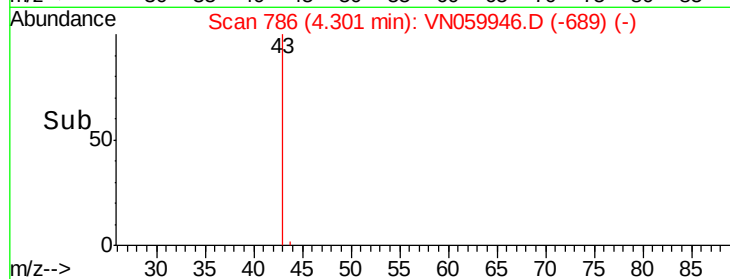
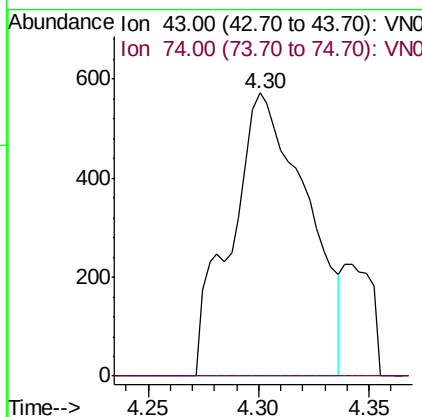
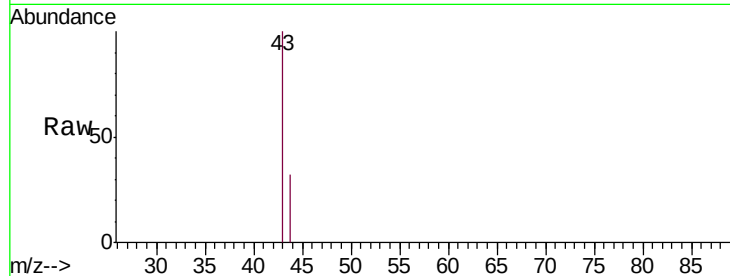




#18
Methyl Acetate
Concen: 0.534 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

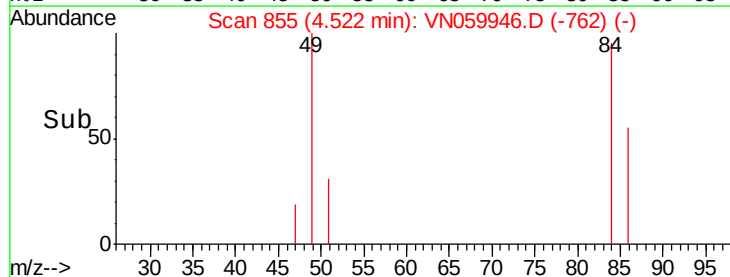
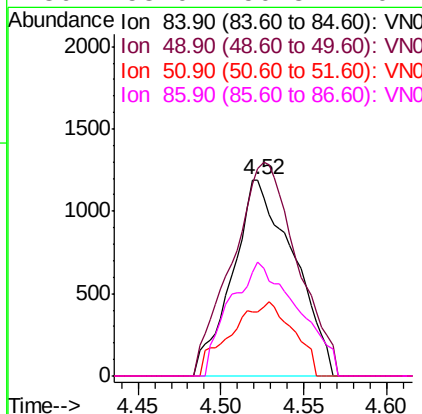
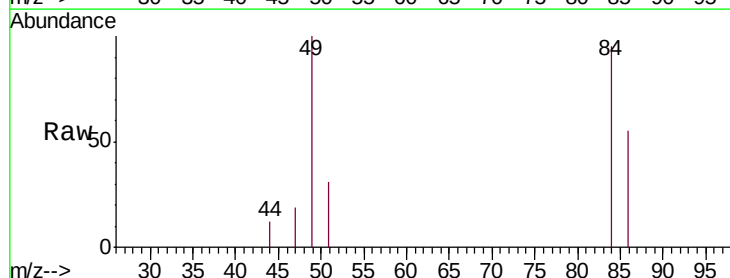
Instrument :
MSVOA_N
ClientSampled :
VNJ-232

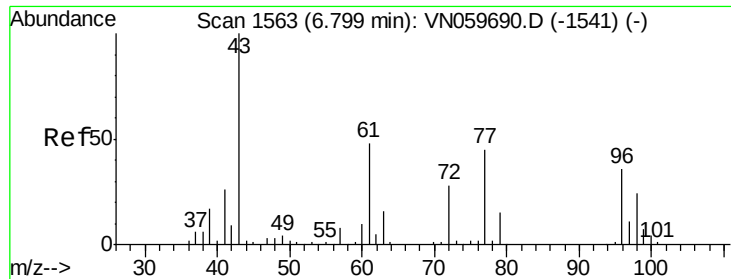
Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion: 84 Resp: 3060
Ion Ratio Lower Upper
84 100
49 105.3 106.6 160.0#
51 32.6 31.9 47.9
86 58.0 50.8 76.2

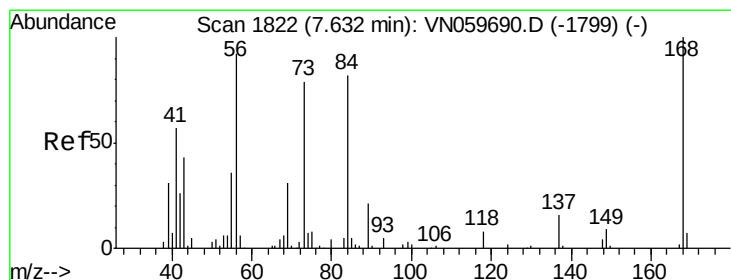
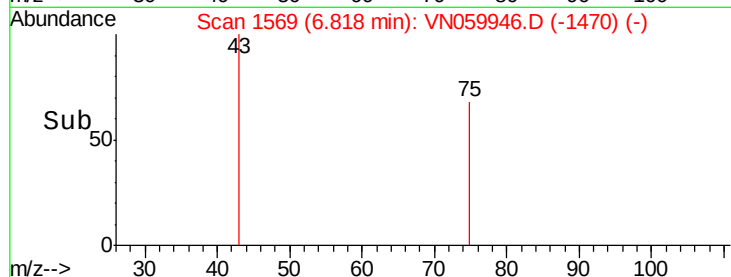
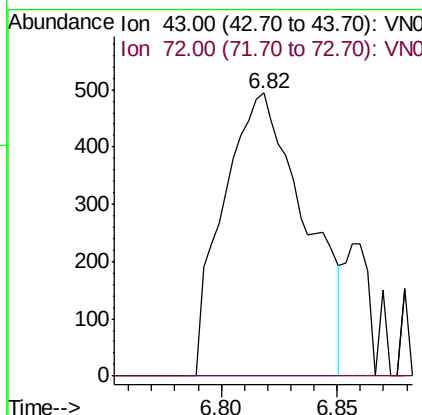
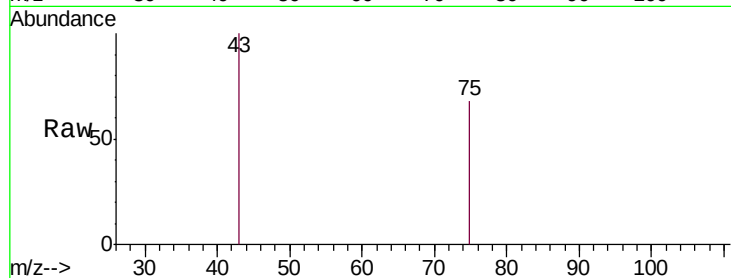




#25
2-Butanone
Concen: 0.973 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

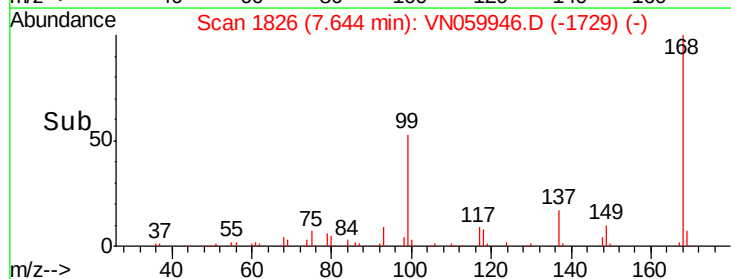
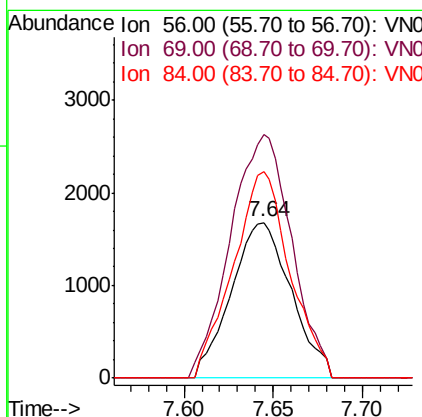
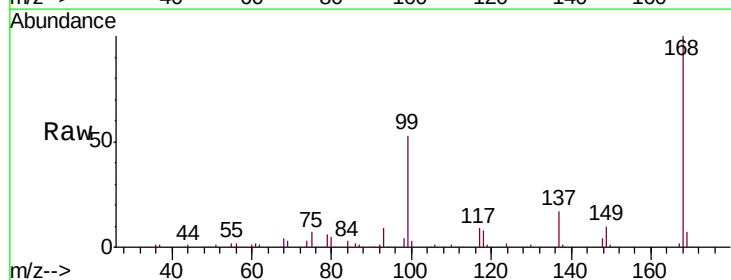
Instrument :
MSVOA_N
ClientSampled :
VNJ-232

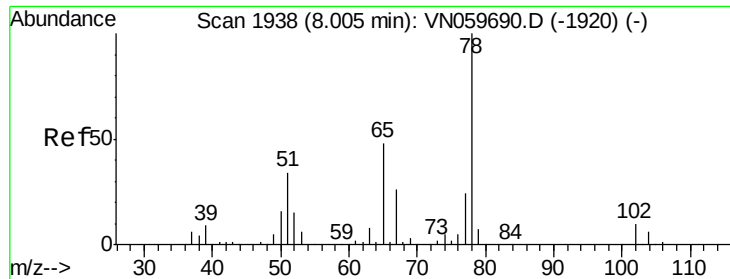
Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion: 56 Resp: 3921
Ion Ratio Lower Upper
56 100
69 156.6 26.5 39.7#
84 132.8 65.3 97.9#

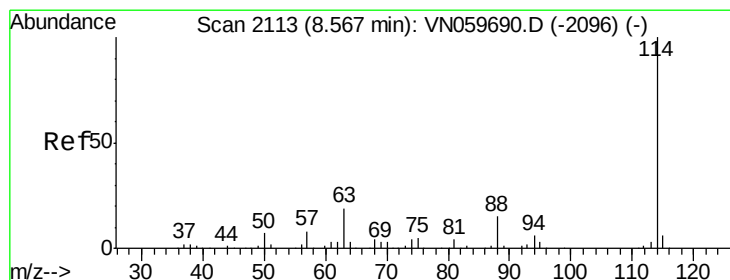
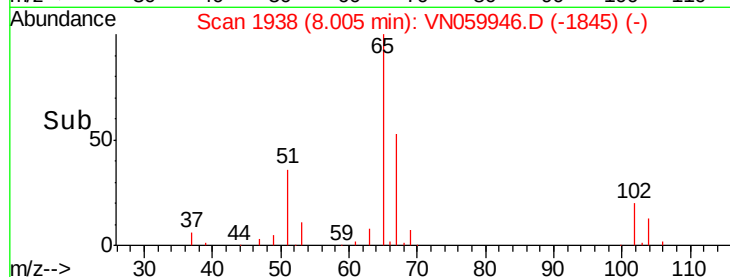
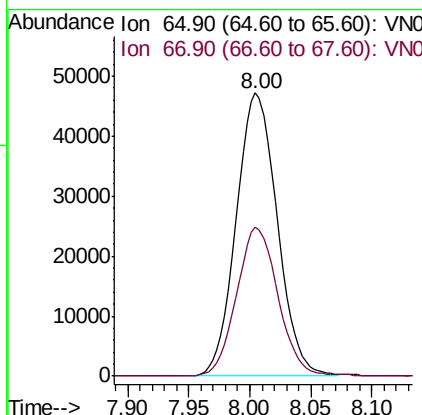
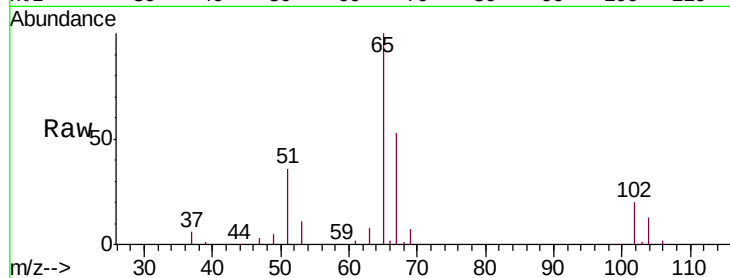




#33
 1,2-Dichloroethane-d4
 Concen: 50.259 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

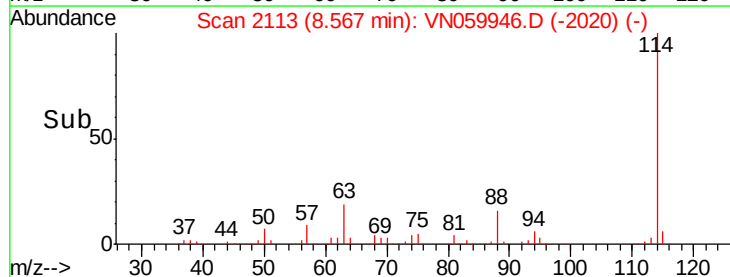
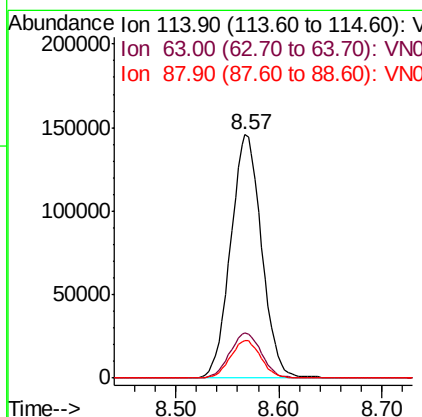
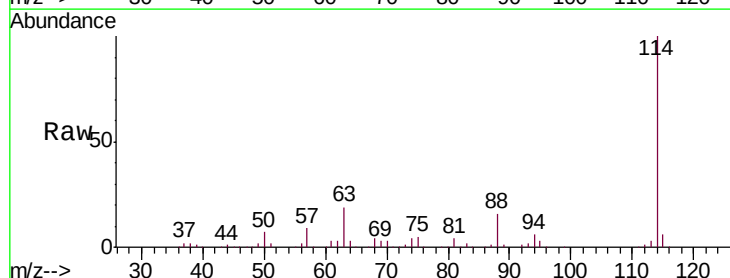
Instrument :
 MSVOA_N
 ClientSampled :
 VNJ-232

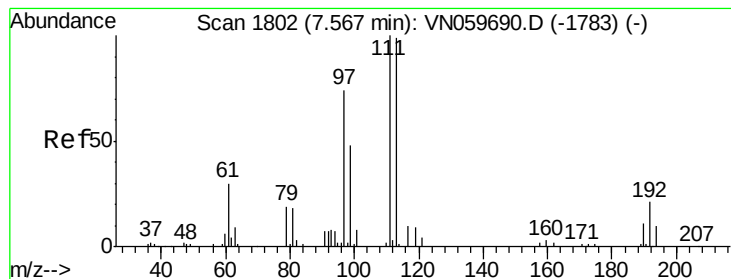
Tgt Ion: 65 Resp: 110009
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

Tgt Ion: 114 Resp: 305085
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.192 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

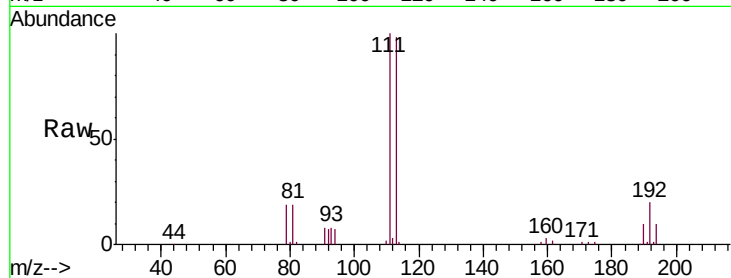
Tgt Ion:113 Resp: 93136

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

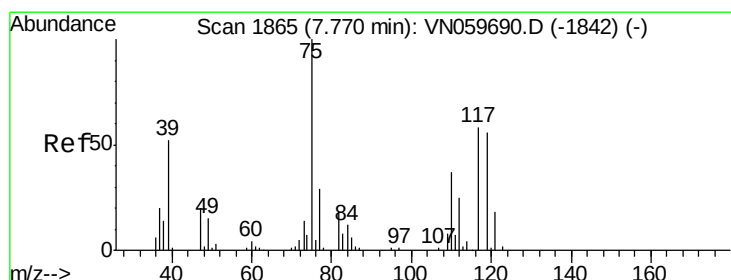
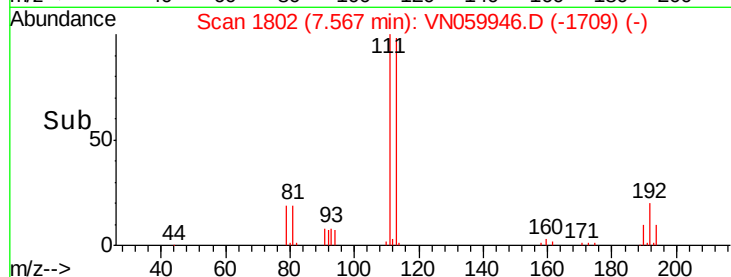
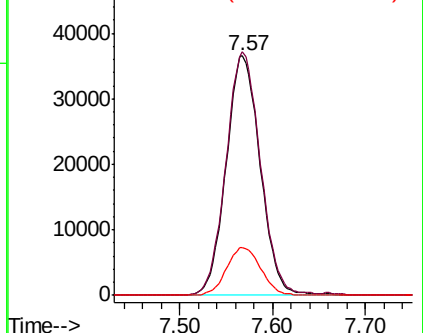
192 20.0 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

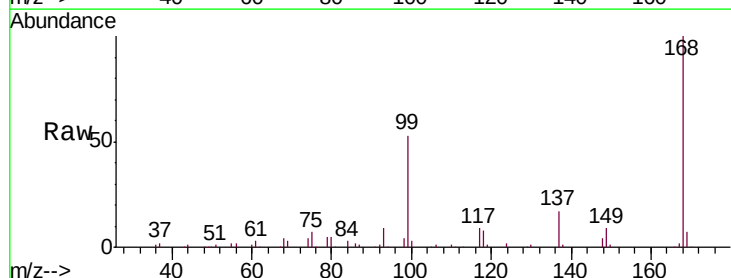
Tgt Ion: 75 Resp: 13744

Ion Ratio Lower Upper

75 100

110 5.4 16.6 49.7#

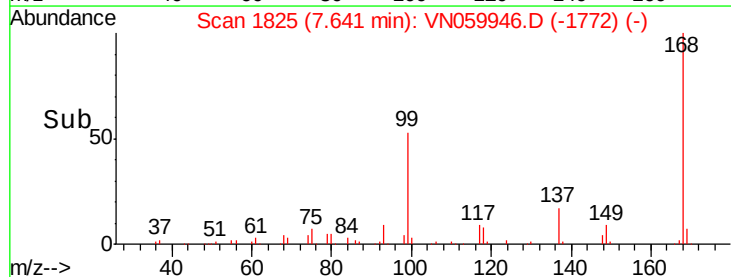
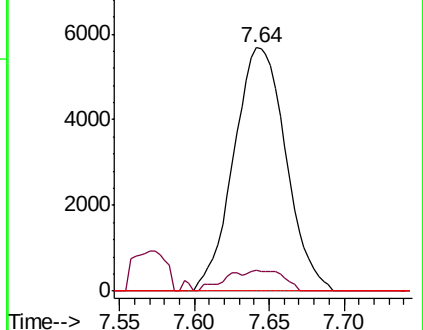
77 0.0 25.1 37.7#

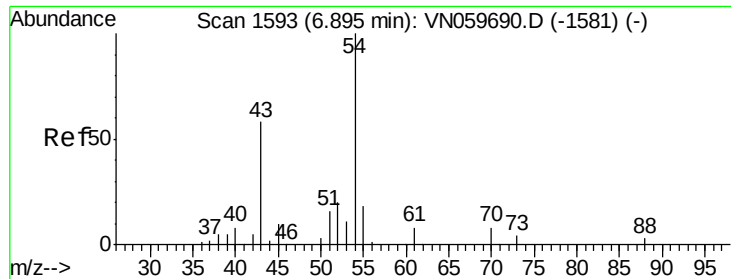


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

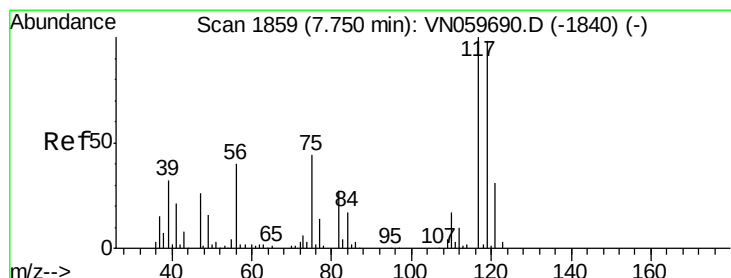
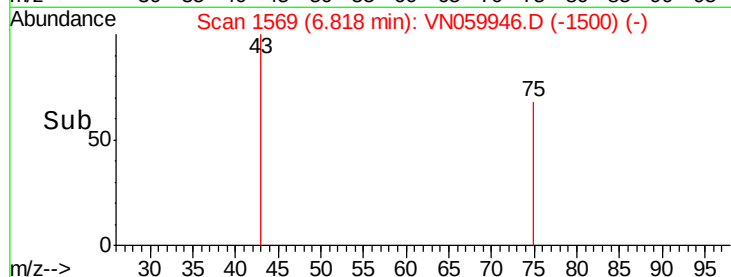
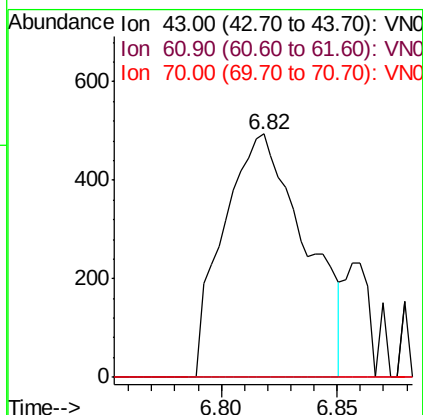
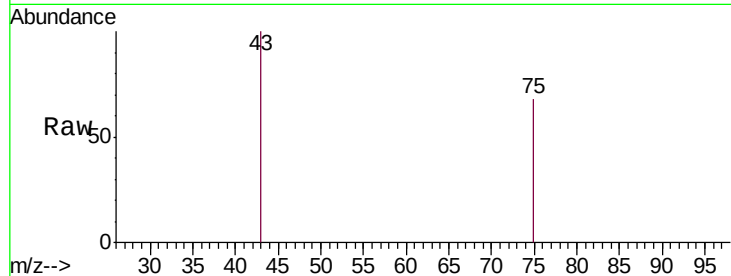




#37
Ethyl Acetate
 Concen: 0.484 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

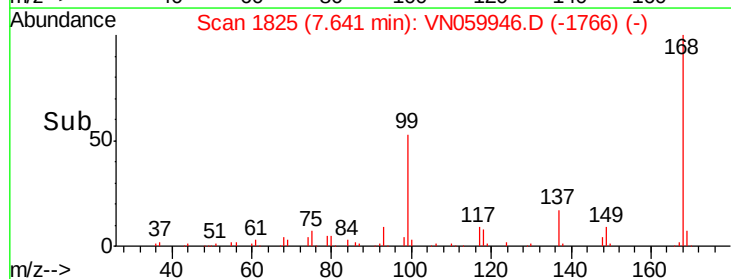
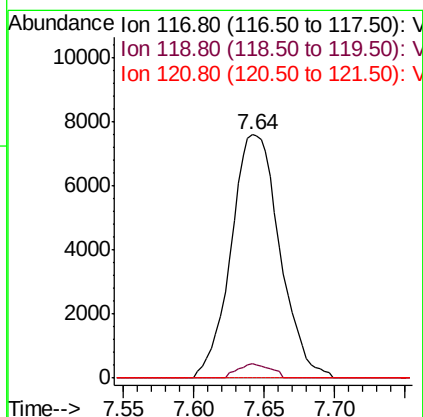
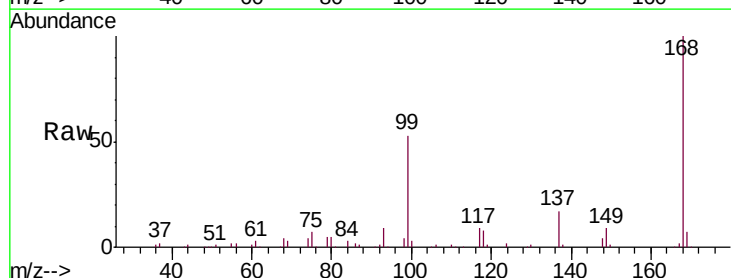
Instrument :
 MSVOA_N
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 VNJ-232

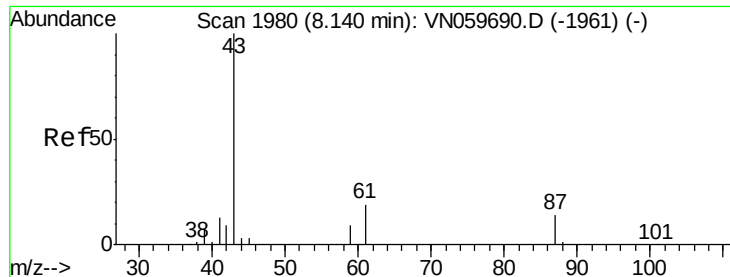
Tgt Ion: 43 Resp: 1206
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
 Concen: 6.336 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

Tgt Ion: 117 Resp: 18311
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 11.409 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

VNJ-232

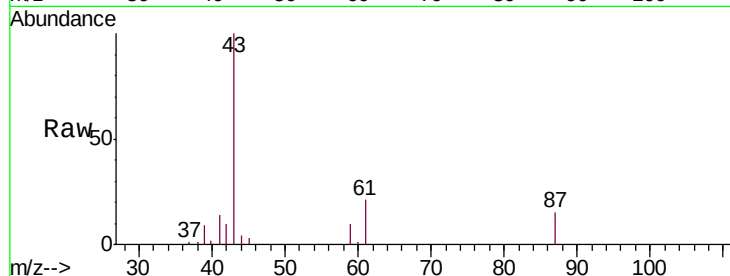
Tgt Ion: 43 Resp: 48900

Ion Ratio Lower Upper

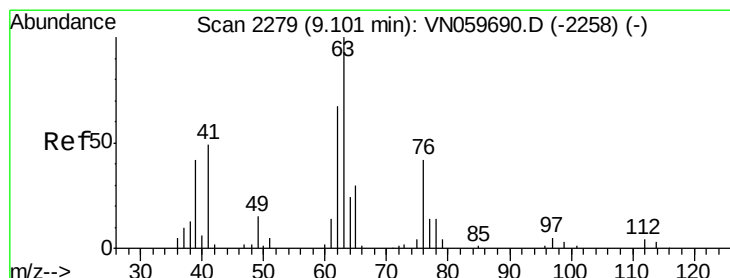
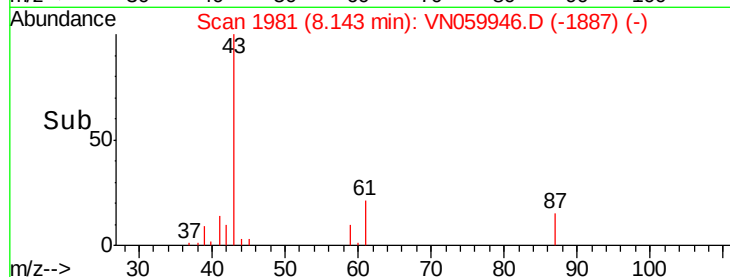
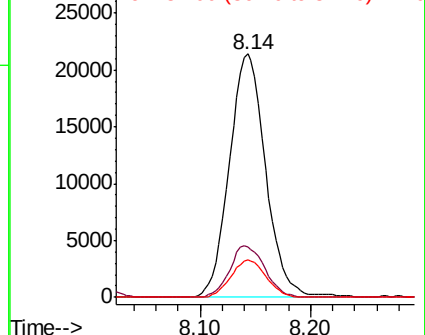
43 100

61 20.4 20.2 30.2

87 14.6 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#45

1,2-Dichloropropane

Concen: 0.524 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059946.D

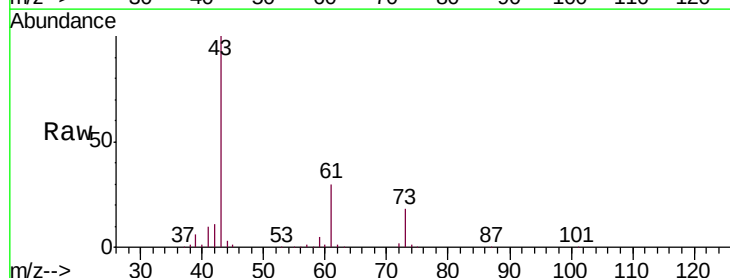
Acq: 31 Jan 2020 14:34

Tgt Ion: 63 Resp: 1027

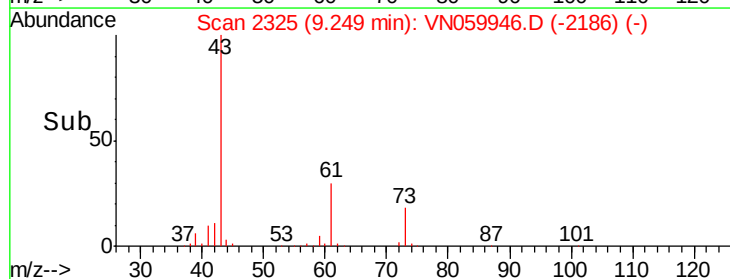
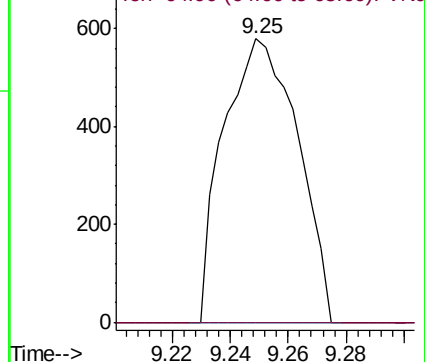
Ion Ratio Lower Upper

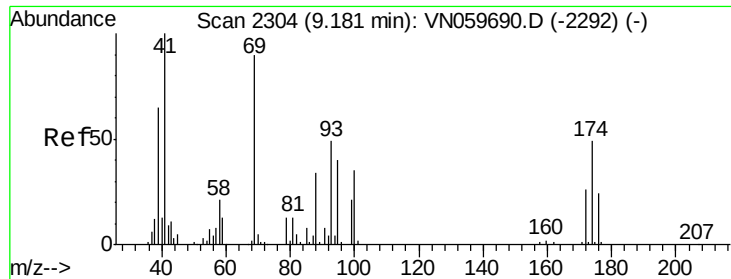
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

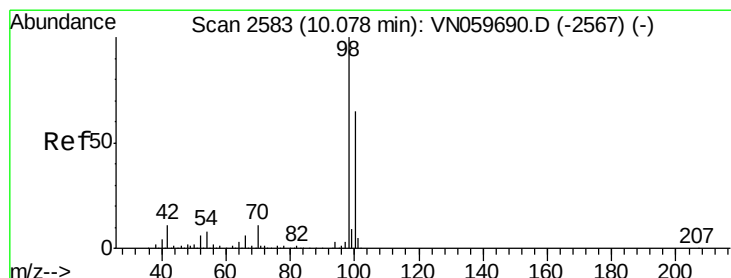
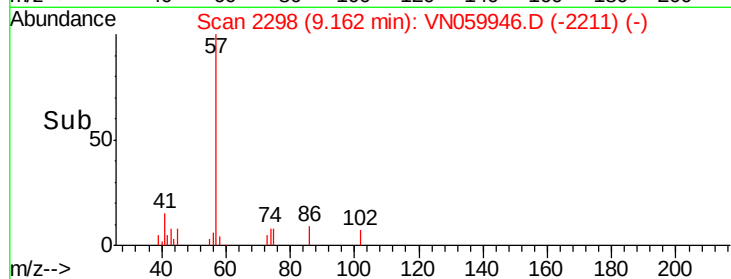
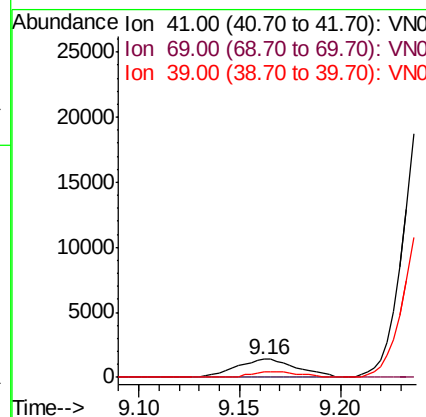
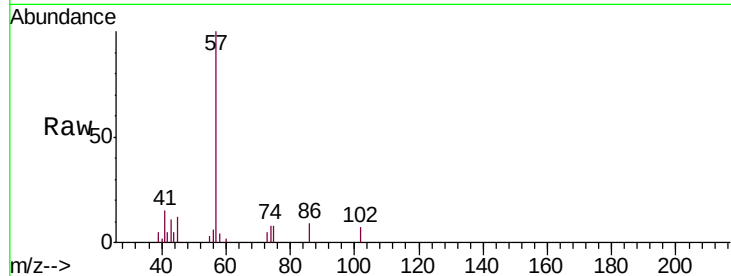




#48
Methyl methacrylate
Concen: 1.521 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

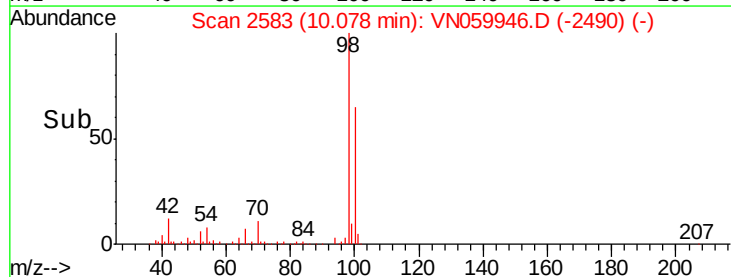
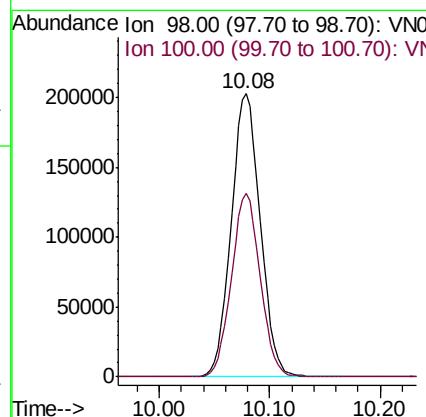
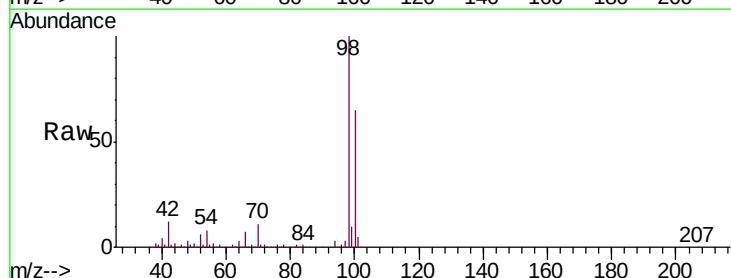
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

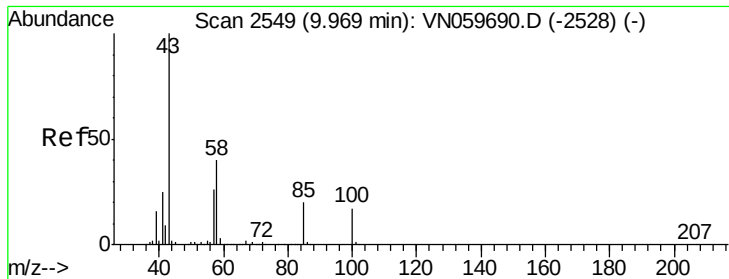
Tgt Ion: 41 Resp: 2916
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.453 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion: 98 Resp: 369744
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.436 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

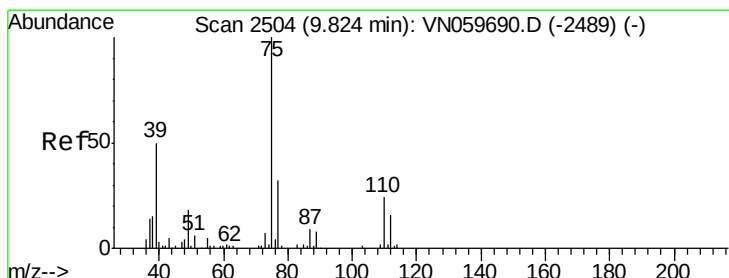
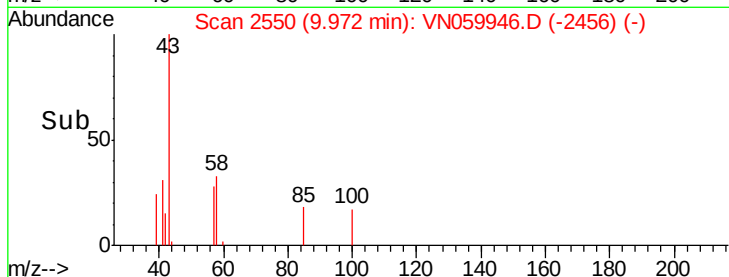
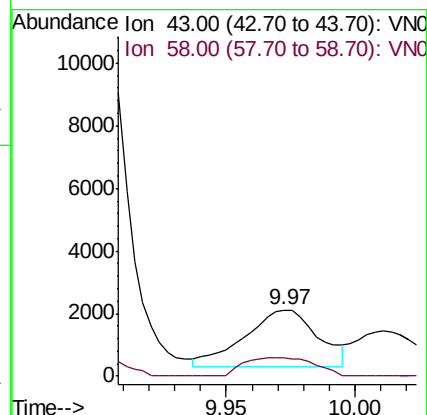
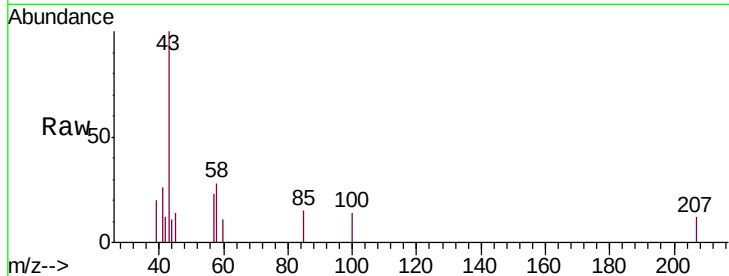
VNJ-232

Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

43 100

58 31.9 29.8 44.8



#54

cis-1,3-Dichloropropene

Concen: 7.041 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

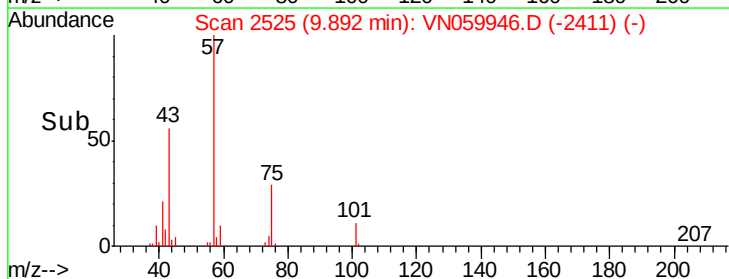
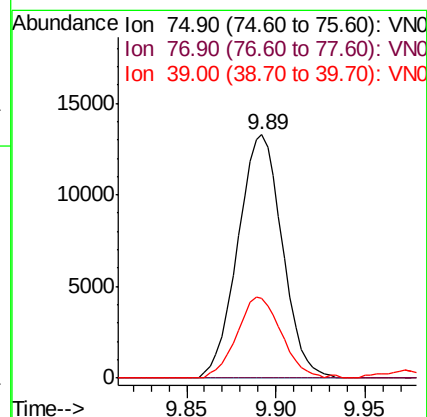
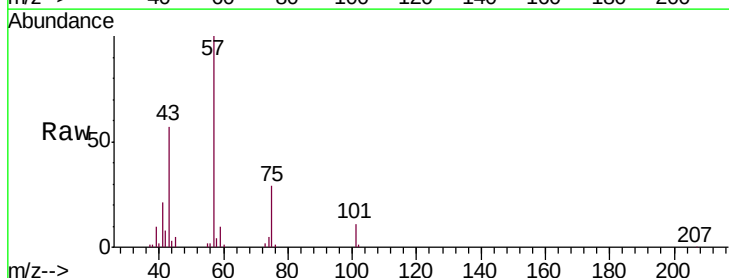
Tgt Ion: 75 Resp: 23057

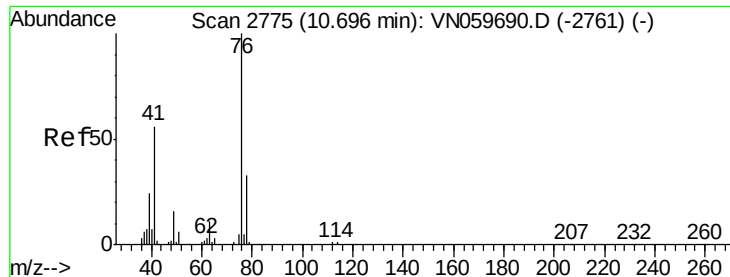
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 32.6 46.1 69.1#

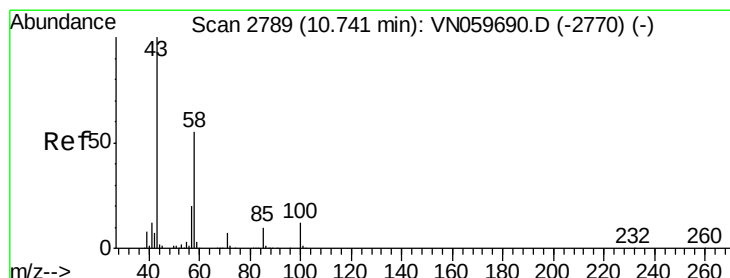
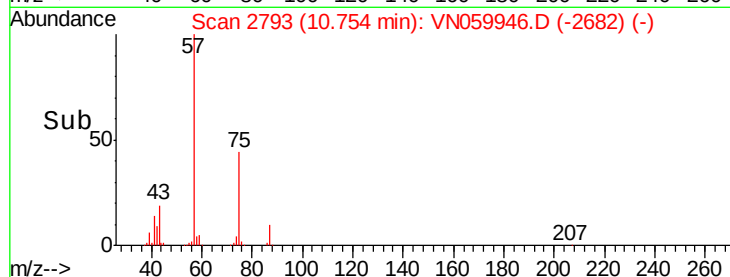
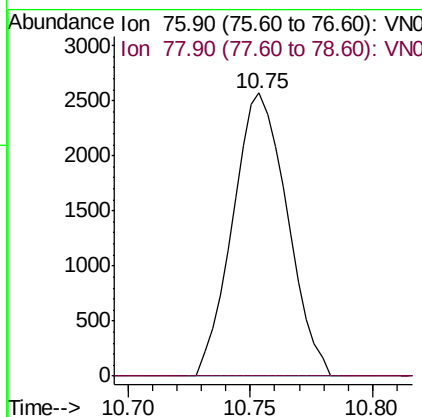
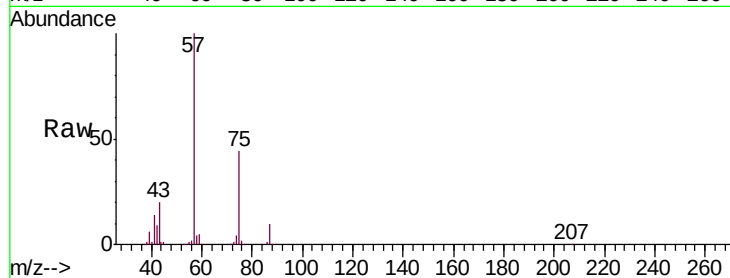




#57
 1,3-Dichloropropane
 Concen: 1.263 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

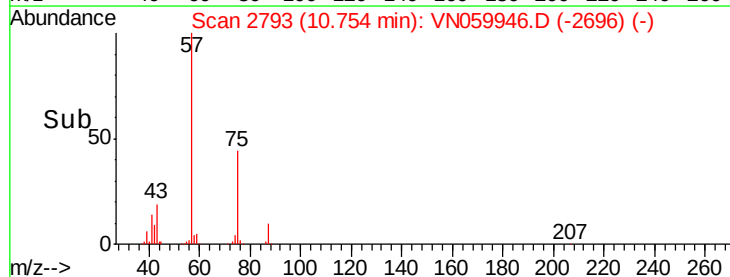
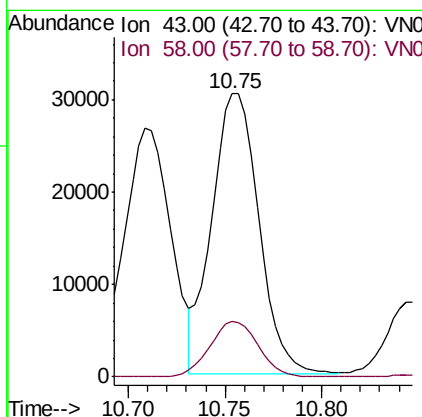
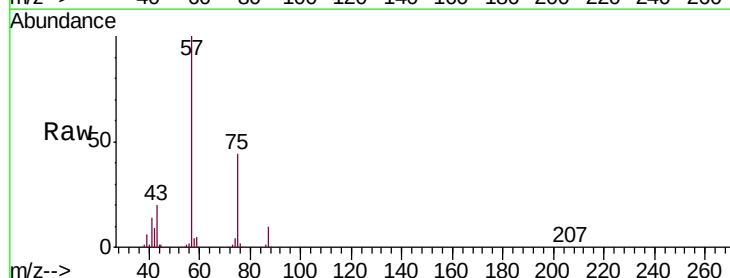
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

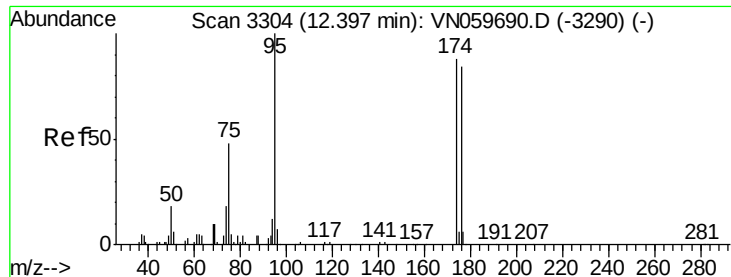
Tgt Ion: 76 Resp: 3975
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 28.254 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059946.D
 Acq: 31 Jan 2020 14:34

Tgt Ion: 43 Resp: 51572
 Ion Ratio Lower Upper
 43 100
 58 20.2 25.8 77.3#

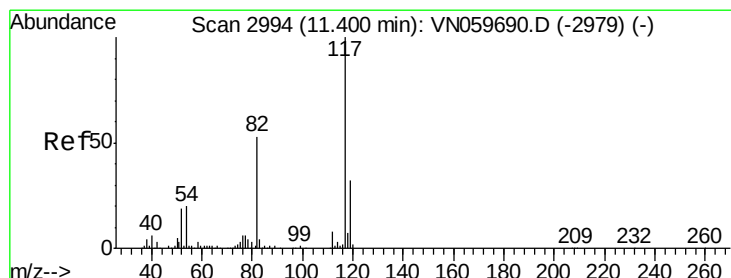
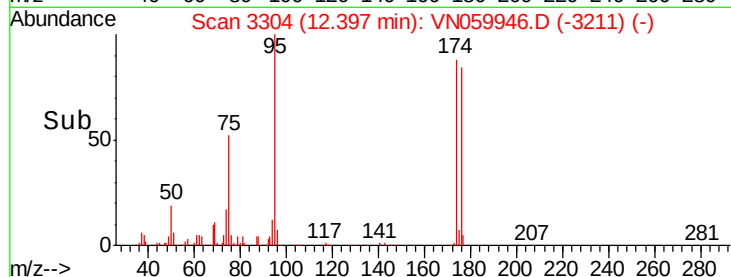
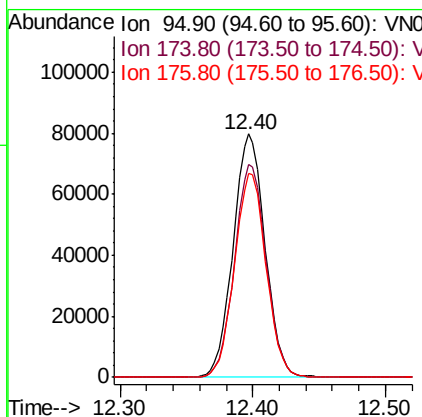
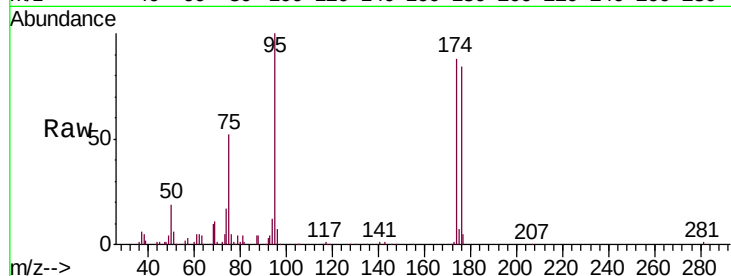




#62
4-Bromofluorobenzene
Concen: 52.450 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

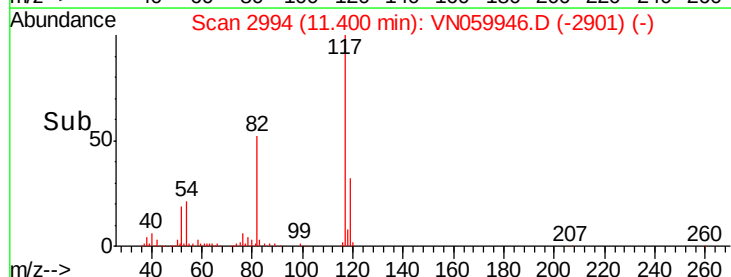
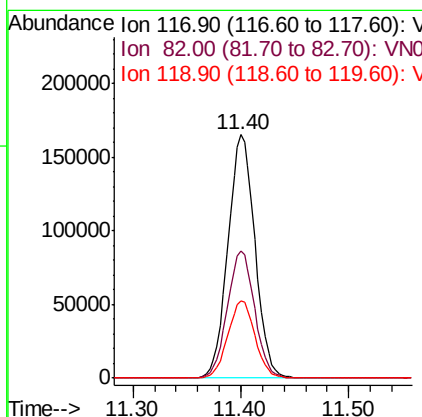
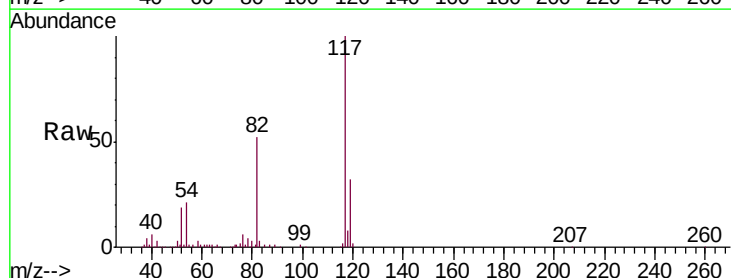
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

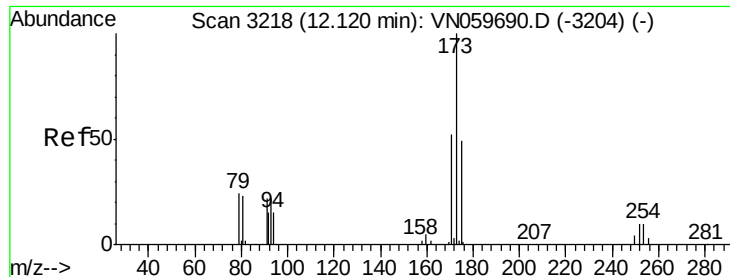
Tgt Ion: 95 Resp: 133286
Ion Ratio Lower Upper
95 100
174 86.5 0.0 151.4
176 83.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion: 117 Resp: 288206
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 31.9 25.5 38.3

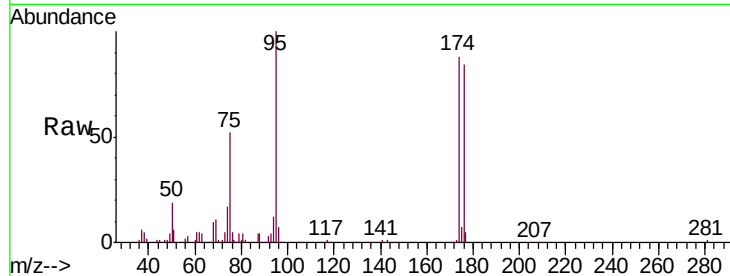




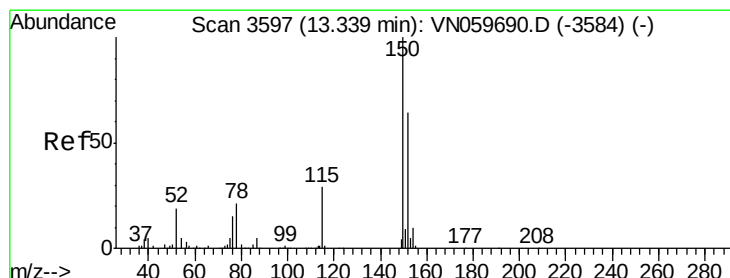
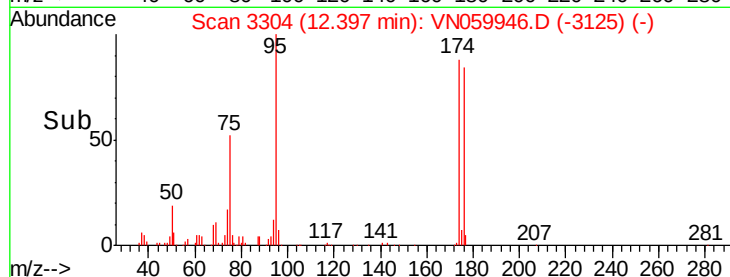
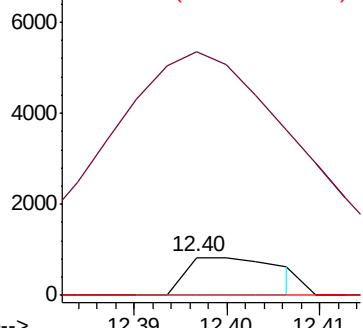
#71
Bromoform
Concen: 0.333 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Instrument :
MSVOA_N
ClientSampled :
VNJ-232

Tgt Ion:173 Resp: 584
Ion Ratio Lower Upper
173 100
175 1242.5 23.8 71.4#
254 0.0 0.0 0.0

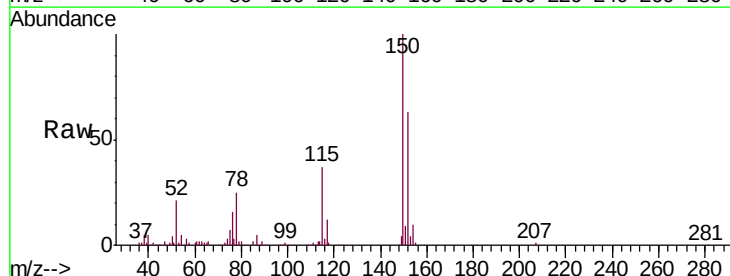


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

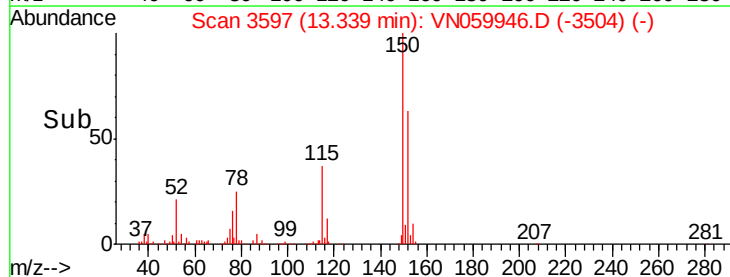
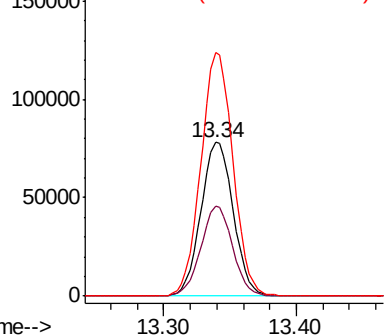


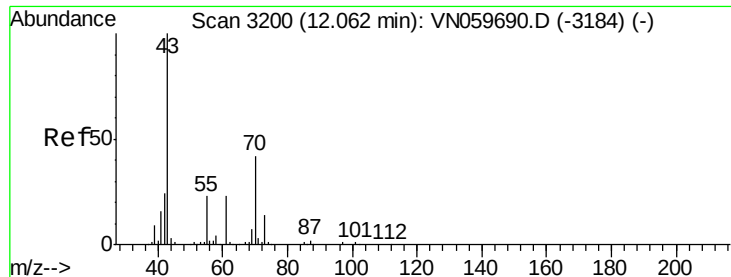
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion:152 Resp: 132476
Ion Ratio Lower Upper
152 100
115 57.3 30.3 90.9
150 157.1 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.697 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059946.D

Acq: 31 Jan 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

Tgt Ion: 43 Resp: 2629

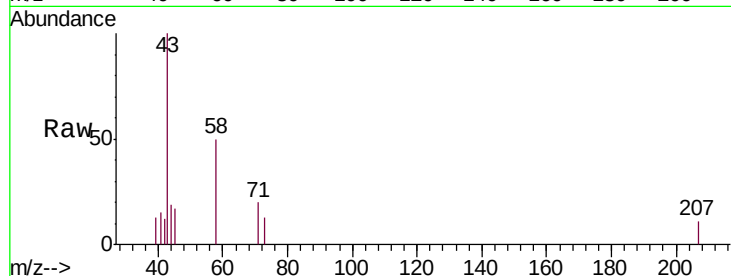
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

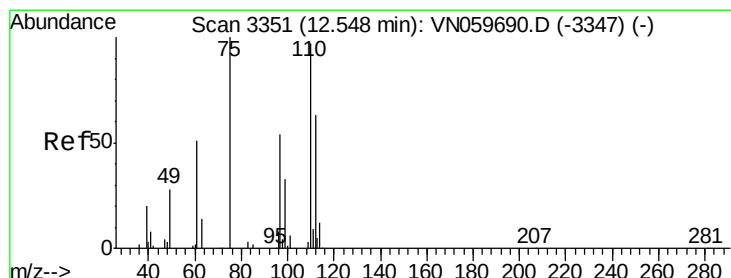
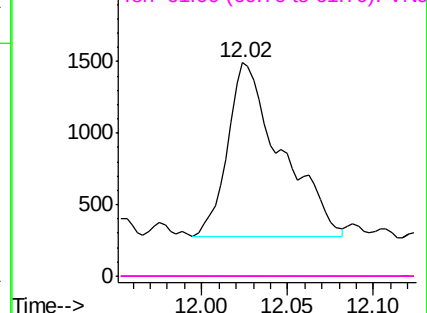
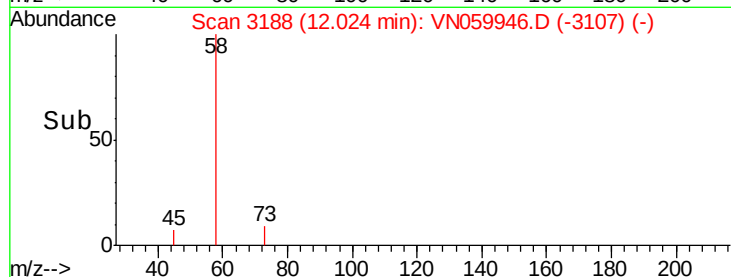


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 30.536 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059946.D

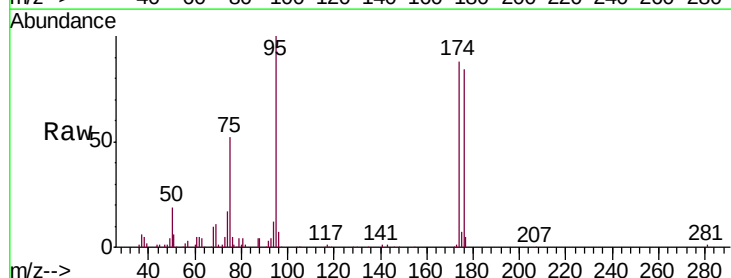
Acq: 31 Jan 2020 14:34

Tgt Ion: 75 Resp: 68079

Ion Ratio Lower Upper

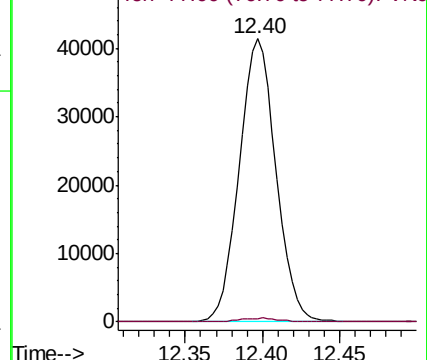
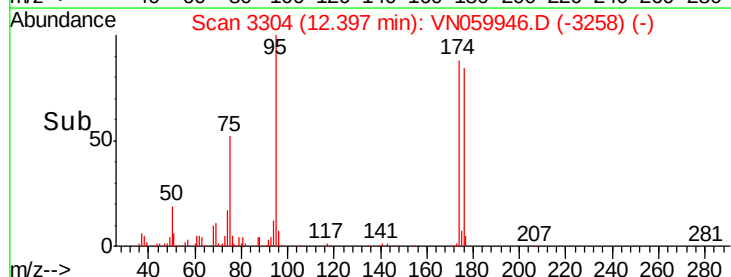
75 100

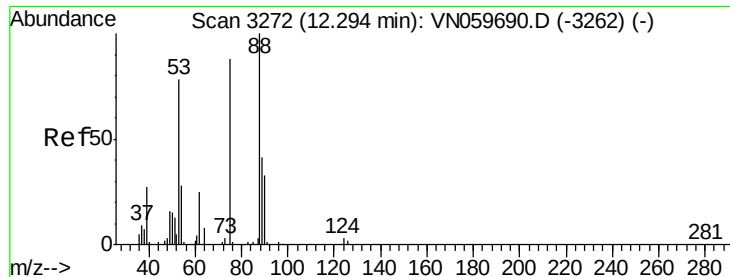
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

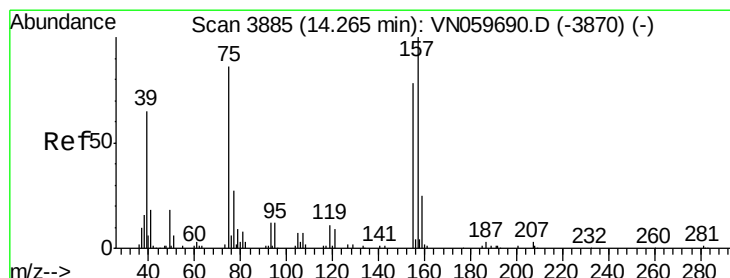
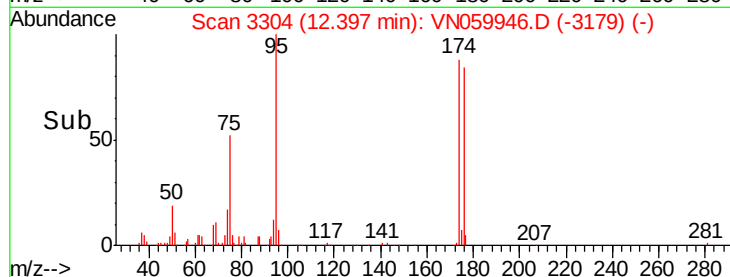
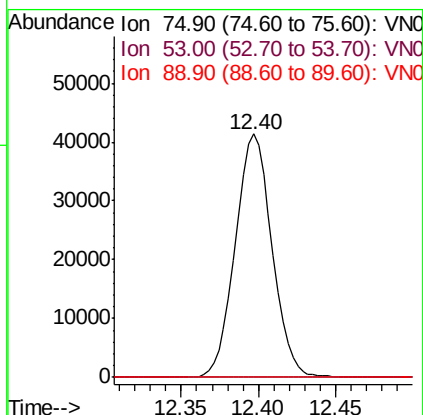
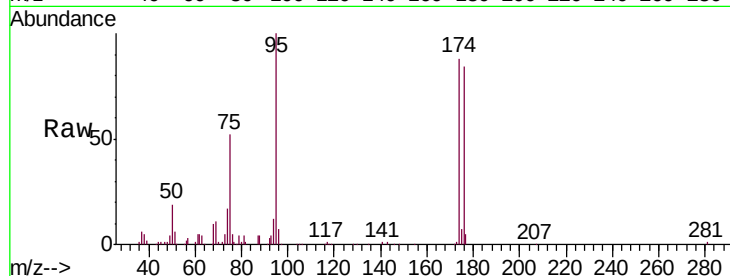




#81
trans-1,4-Dichloro-2-butene
Concen: 65.577 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Instrument :
MSVOA_N
ClientSampled :
VNJ-232

Tgt Ion: 75 Resp: 68079
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.23 min Scan# 3873
Delta R.T. -0.04 min
Lab File: VN059946.D
Acq: 31 Jan 2020 14:34

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

