

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060050.D
 Acq On : 10 Feb 2020 16:42
 Operator : JC/MD
 Sample : PB126661ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:09:56 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	199106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128410	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	115670	52.31	ug/l	0.00
Spiked Amount						
			Recovery	=	104.62%	
35) Dibromofluoromethane	7.57	113	95871	51.71	ug/l	0.00
Spiked Amount						
			Recovery	=	103.42%	
50) Toluene-d8	10.08	98	377962	52.62	ug/l	0.00
Spiked Amount						
			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	132702	51.24	ug/l	0.00
Spiked Amount						
			Recovery	=	102.48%	

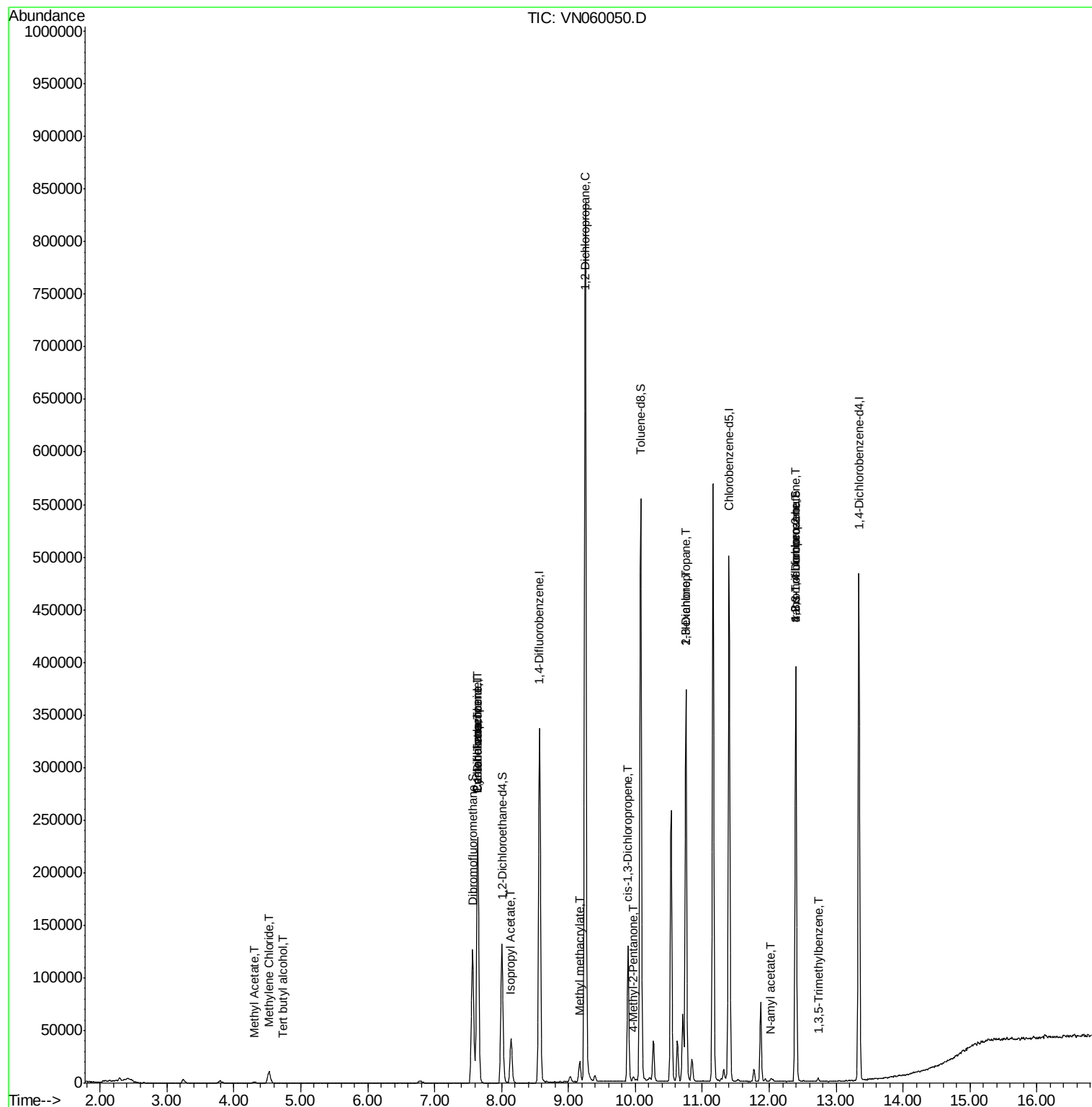
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	100	0.269	ug/l #	72
16) Acetone	3.79	43	4403	Below Cal		91
18) Methyl Acetate	4.30	43	924	0.358	ug/l #	54
20) Methylene Chloride	4.53	84	8527	3.047	ug/l #	83
31) Cyclohexane	7.64	56	3896	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14195	5.243	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18419	6.254	ug/l #	16
43) Isopropyl Acetate	8.14	43	50393	11.538	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	995	0.498	ug/l #	44
48) Methyl methacrylate	9.17	41	2999	1.535	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2956	1.171	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	23928	7.171	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3953	1.233	ug/l #	42
59) 2-Hexanone	10.75	43	54178	29.127	ug/l #	54
74) N-amyl acetate	12.02	43	2584	0.707	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68307	31.609	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1991	0.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	68307	67.880	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	140	Below Cal	#	6

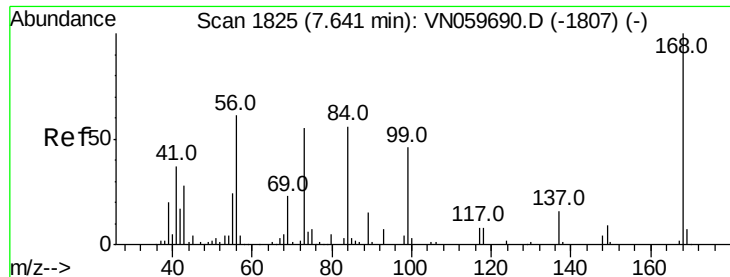
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

Instrument :

MSVOA_N

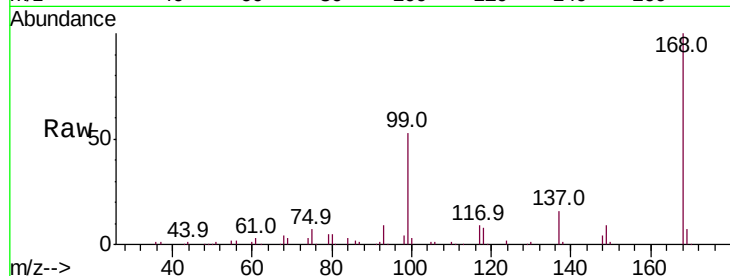
ClientSampleId :

Tot Ion:168 Resp: 199106

Ion Ratio Lower Upper

168 100

99 53.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

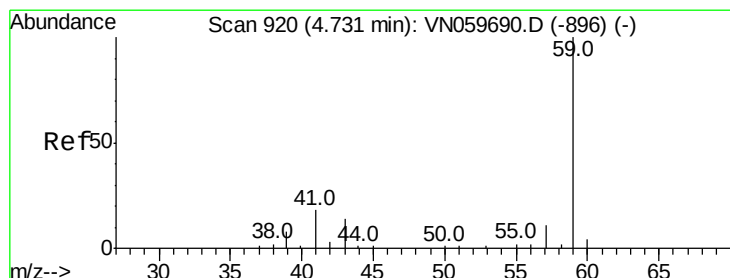
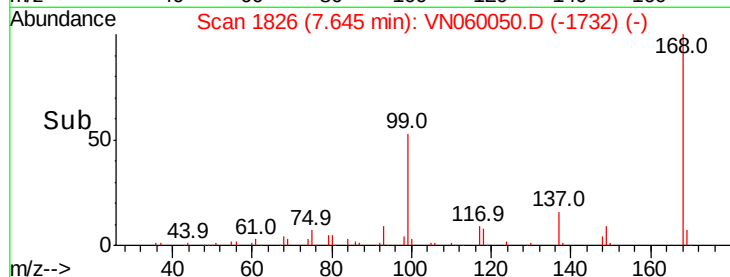
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.269 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN060050.D

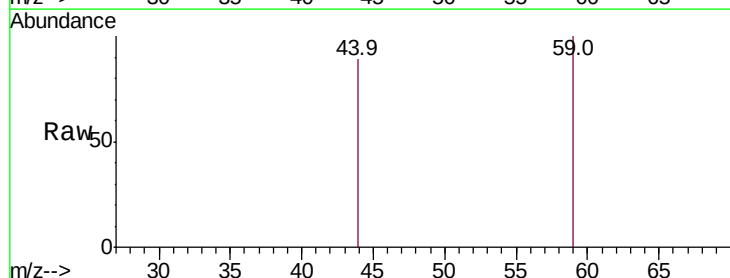
Acq: 10 Feb 2020 16:42

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

200

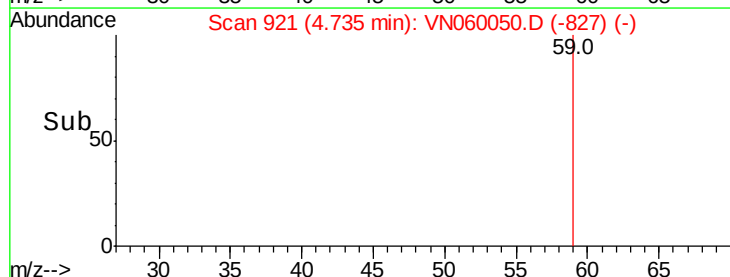
150

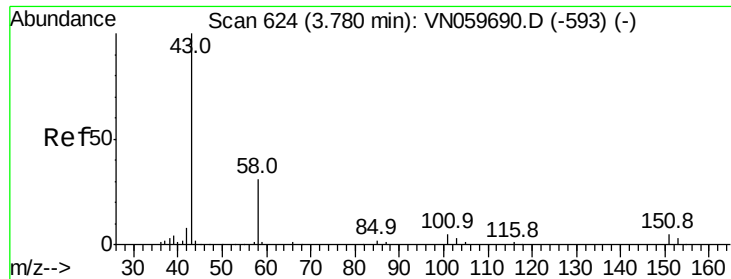
100

50

0

Time--> 4.72 4.73 4.74 4.75





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

Instrument :

MSVOA_N

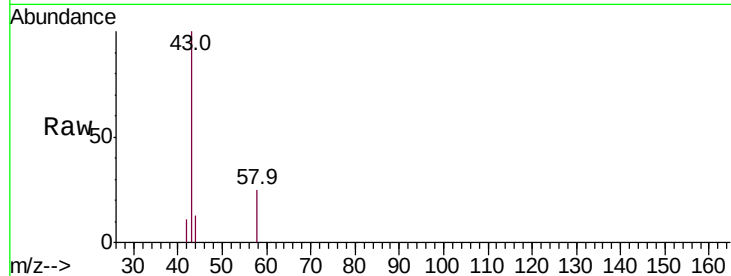
ClientSampleId :

Tot Ion: 43 Resp: 4403

Ion Ratio Lower Upper

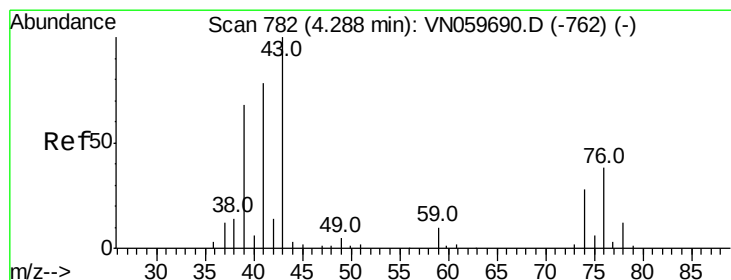
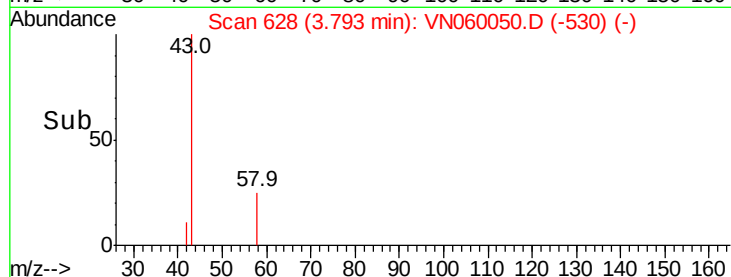
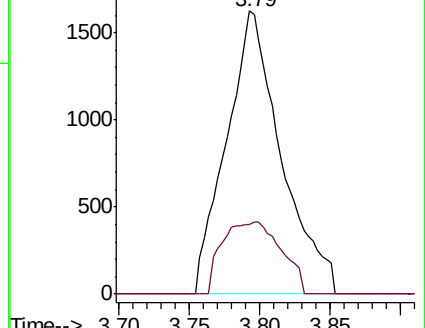
43 100

58 24.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060050.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060050.D (-530) (-)



#18

Methyl Acetate

Concen: 0.358 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060050.D

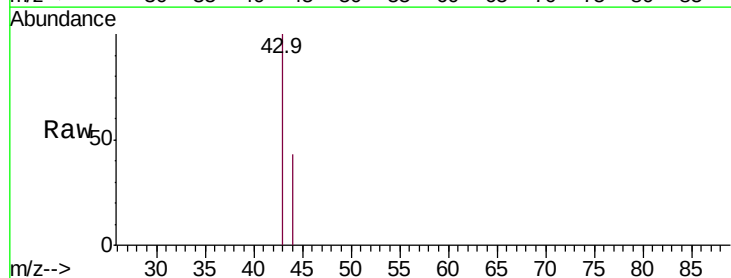
Acq: 10 Feb 2020 16:42

Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

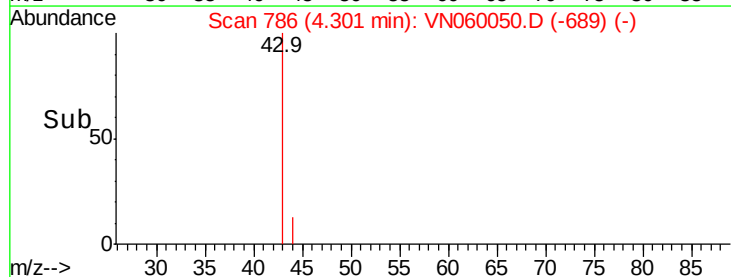
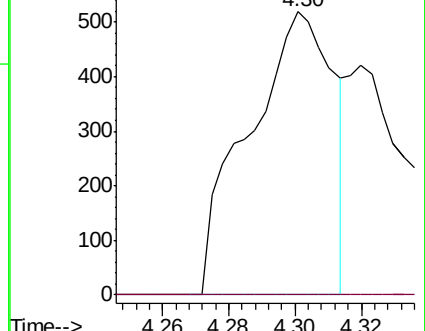
43 100

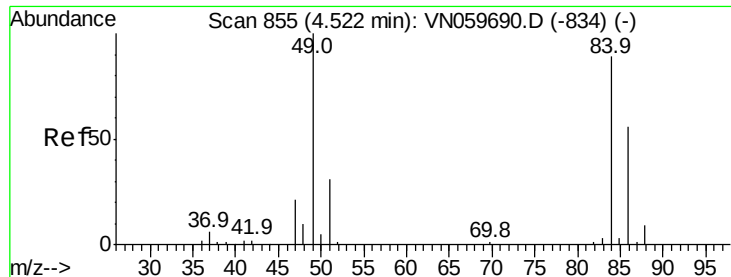
74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060050.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060050.D (-689) (-)

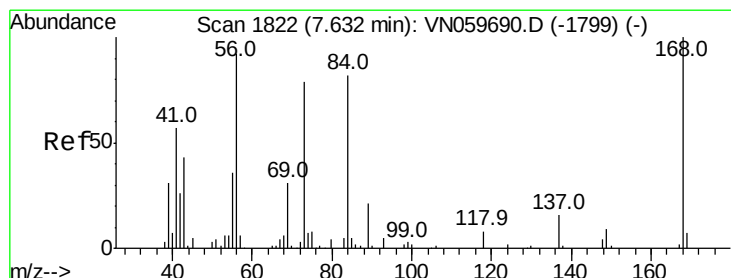
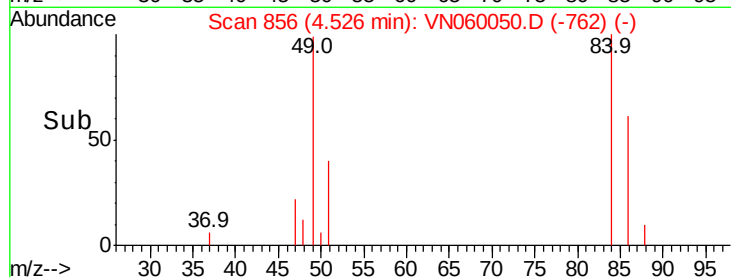
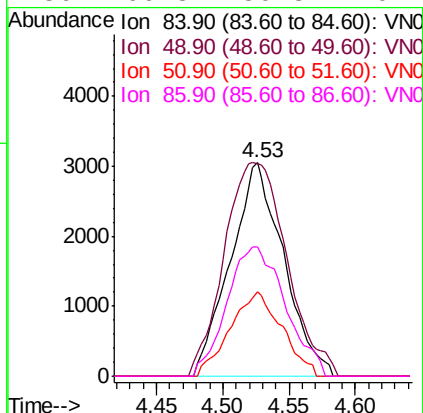
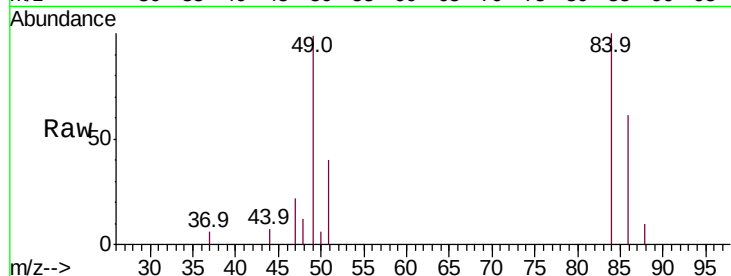




#20
Methvlene Chloride
Concen: 3.047 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

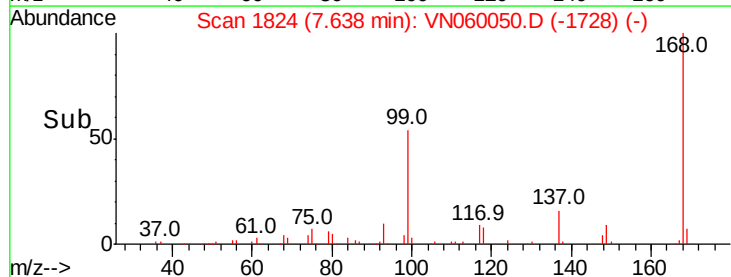
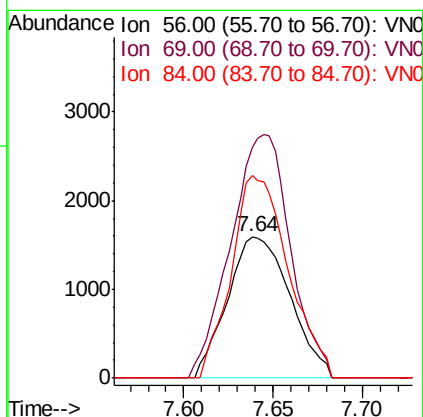
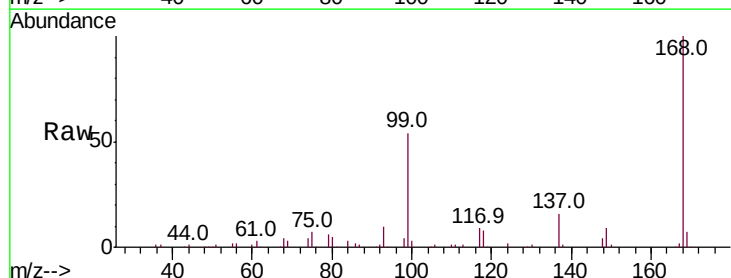
Instrument :
MSVOA_N
ClientSampleId :

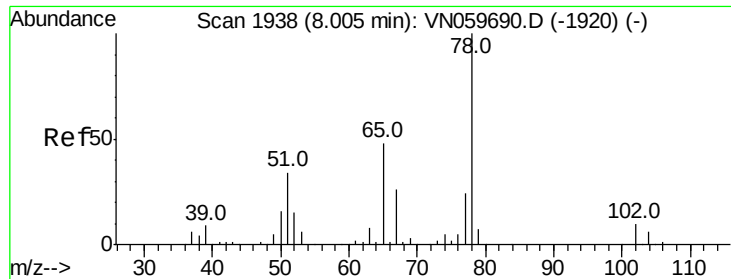
Tot Ion:	84	Resp:	8527
Ion	Ratio	Lower	Upper
84	100		
49	99.4	106.6	160.0#
51	39.5	31.9	47.9
86	60.8	50.8	76.2



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

Tgt Ion:	56	Resp:	3896
Ion	Ratio	Lower	Upper
56	100		
69	163.2	26.5	39.7#
84	143.7	65.3	97.9#

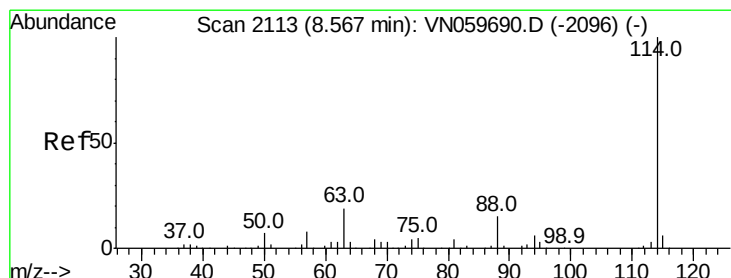
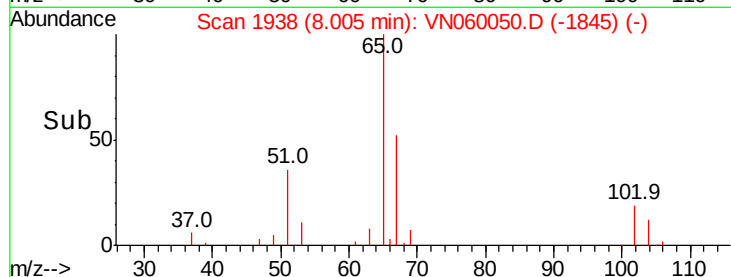
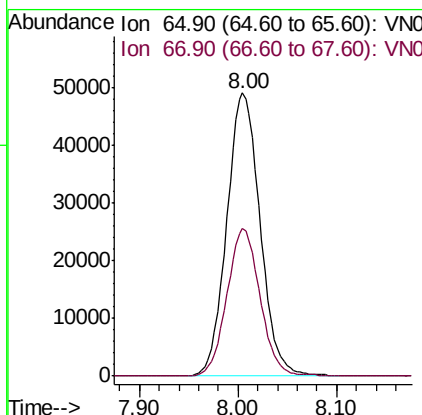
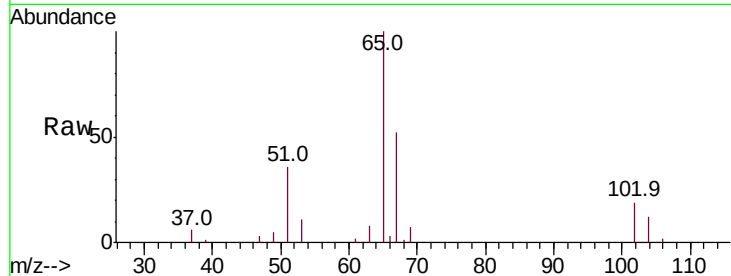




#33
 1,2-Dichloroethane-d4
 Concen: 52.313 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

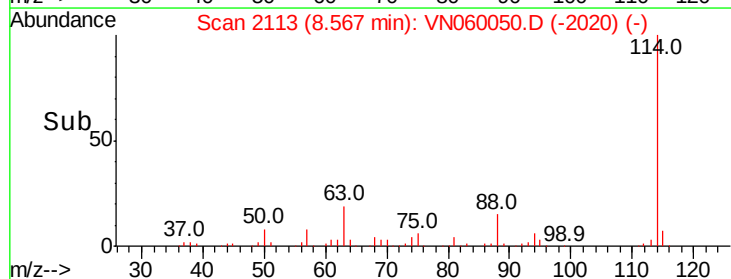
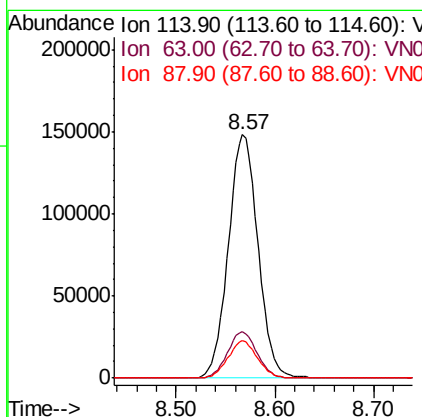
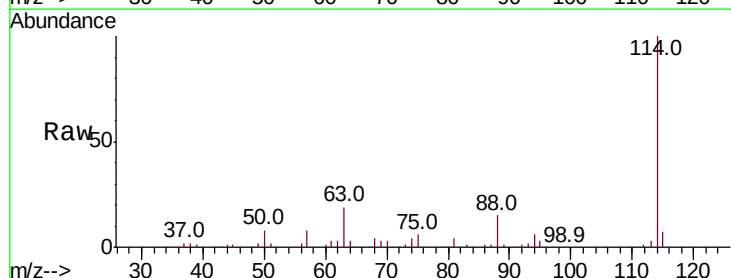
Instrument :
 MSVOA_N
 ClientSampleId :

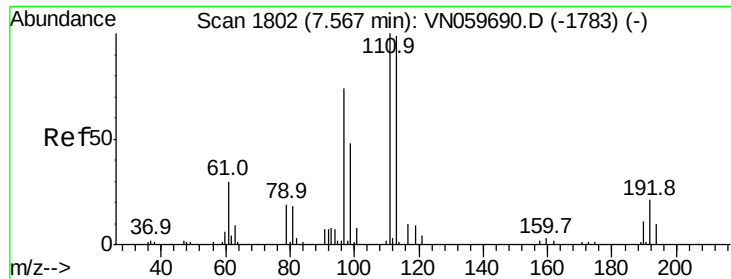
Tot Ion: 65 Resp: 115670
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

Tgt Ion:114 Resp: 310899
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.6
 88 15.2 0.0 31.4

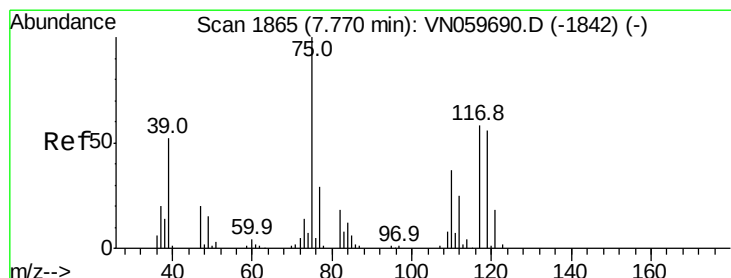
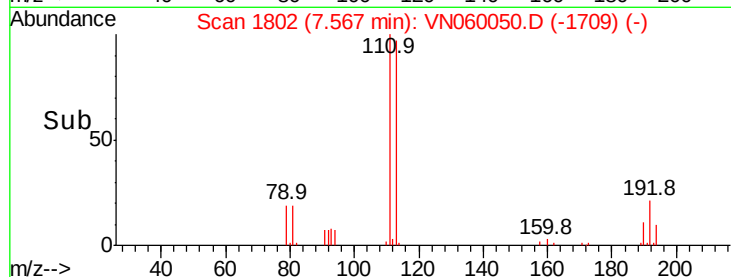
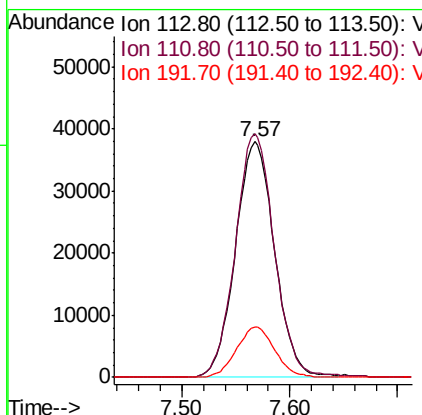
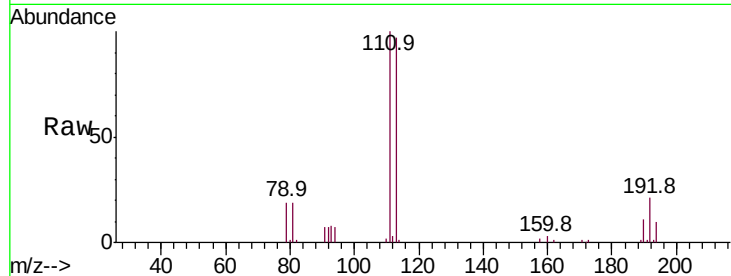




#35
 Dibromofluoromethane
 Concen: 51.710 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

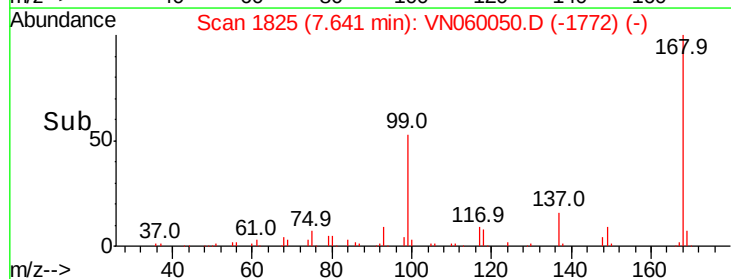
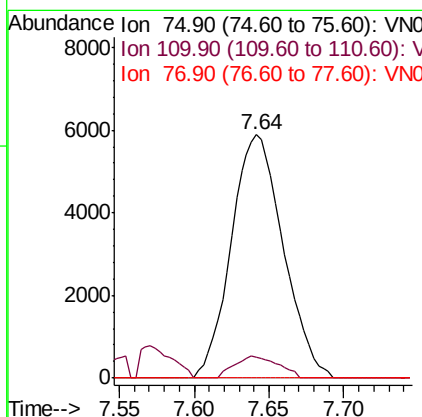
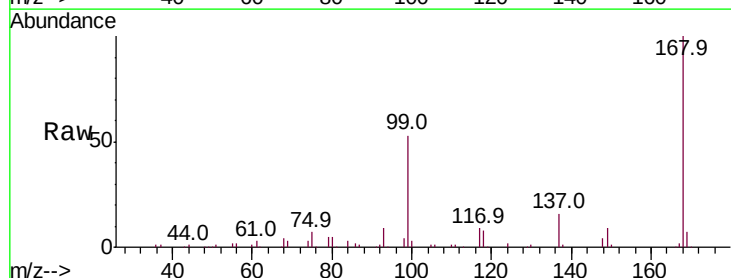
Instrument :
 MSVOA_N
 ClientSampled :

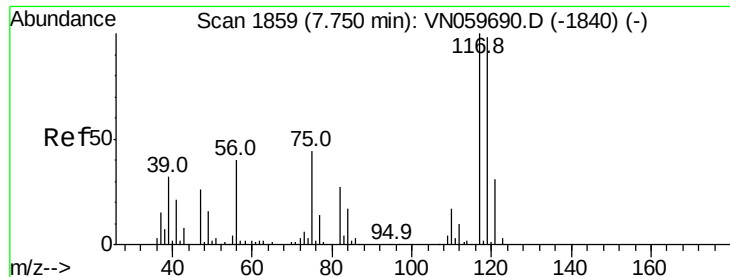
Tot Ion:113 Resp: 95871
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.5 125.3
 192 20.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.243 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

Tgt Ion: 75 Resp: 14195
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.254 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

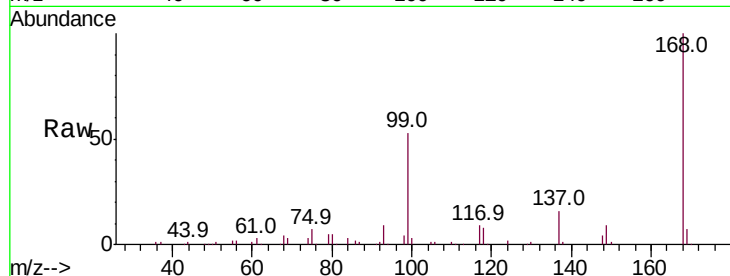
Tot Ion:117 Resp: 18419

Ion Ratio Lower Upper

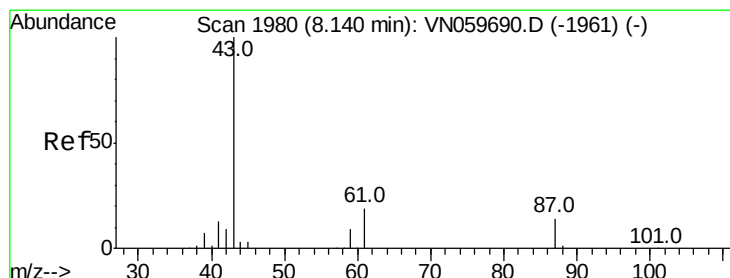
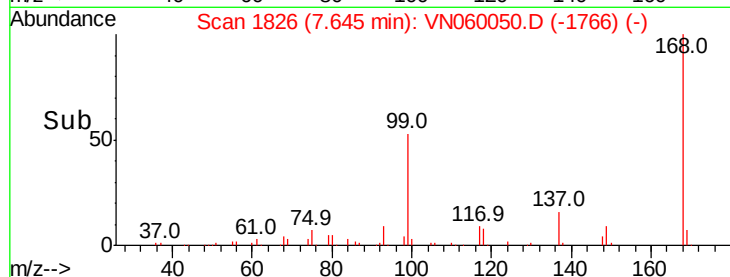
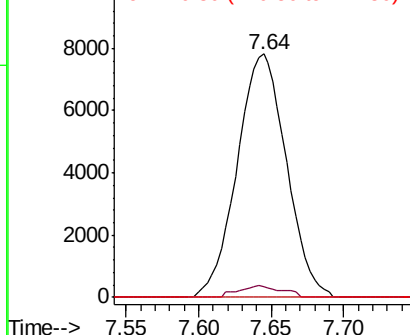
117 100

119 4.5 76.5 114.7#

121 0.0 25.1 37.7#



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: 11.538 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

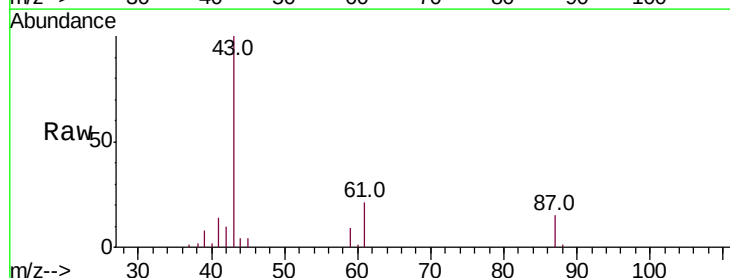
Tgt Ion: 43 Resp: 50393

Ion Ratio Lower Upper

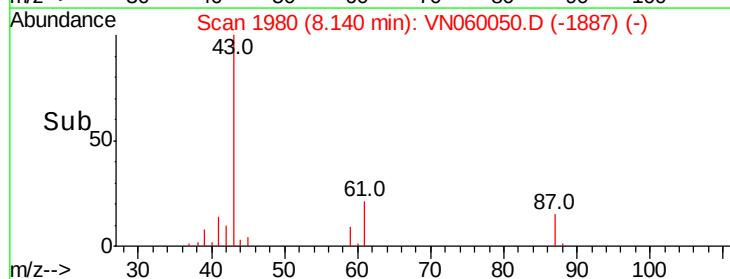
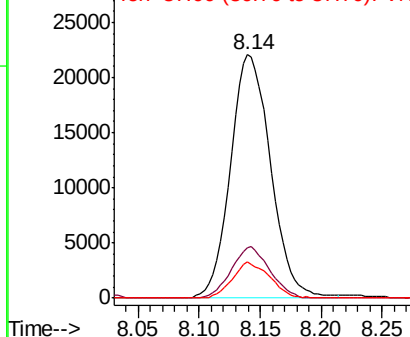
43 100

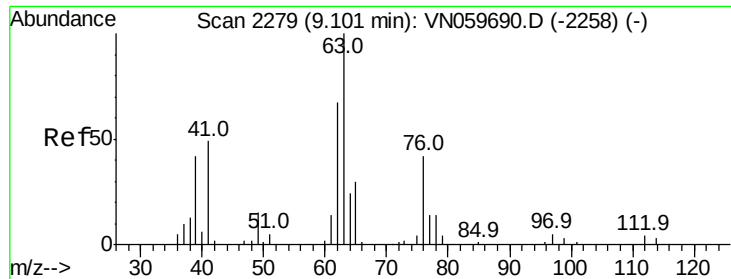
61 20.1 20.2 30.2#

87 13.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

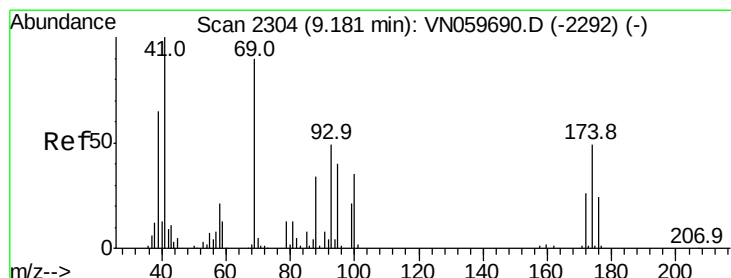
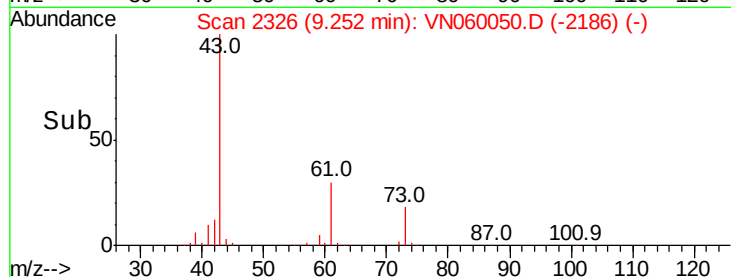
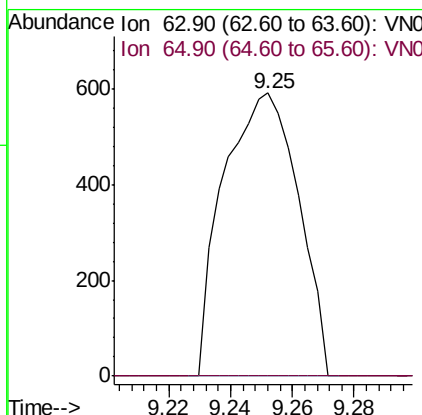
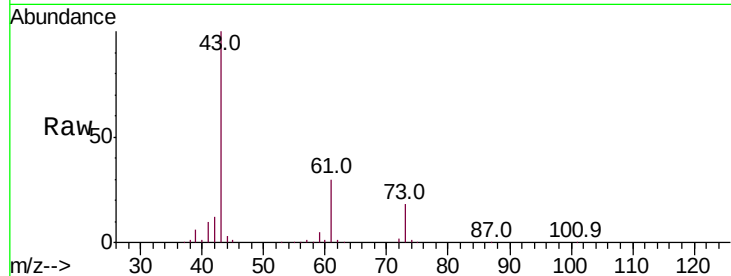




#45
 1,2-Dichloropropane
 Concen: 0.498 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

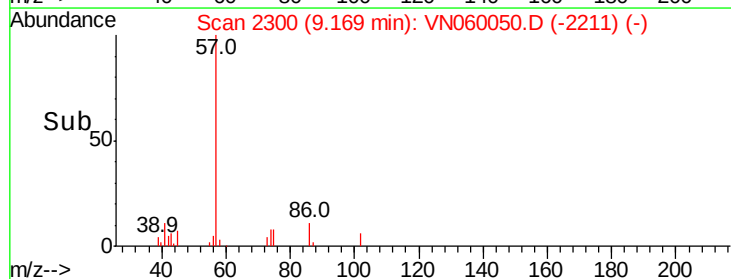
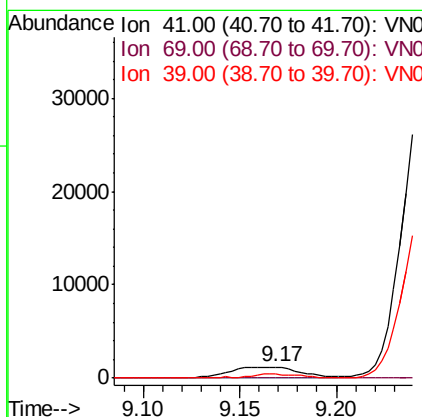
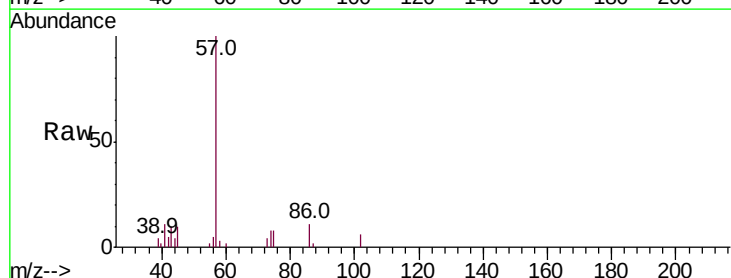
Instrument :
 MSVOA_N
 ClientSampleId :

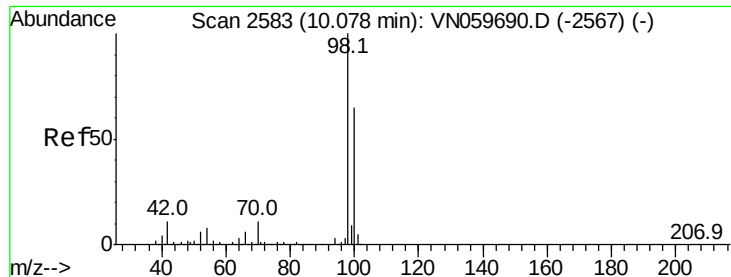
Tot Ion: 63 Resp: 995
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.535 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

Tgt Ion: 41 Resp: 2999
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#

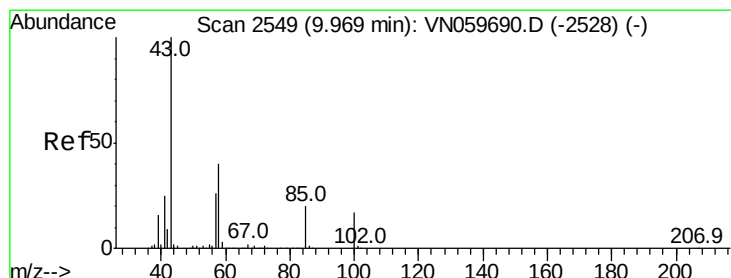
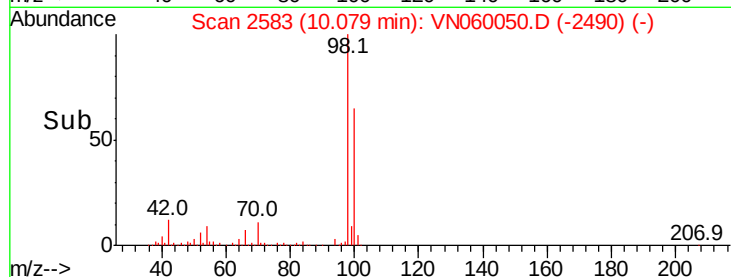
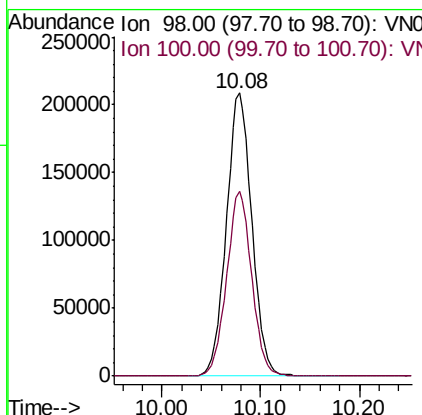
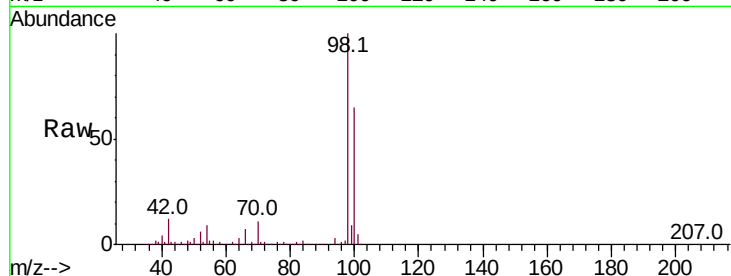




#50
Toluene-d8
Concen: 52.616 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

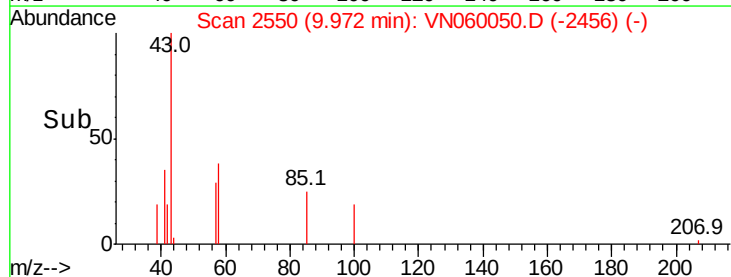
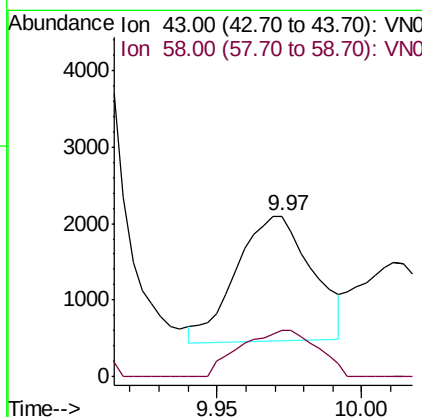
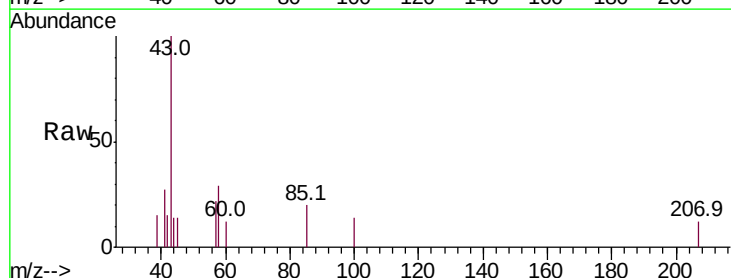
Instrument :
MSVOA_N
ClientSampled :

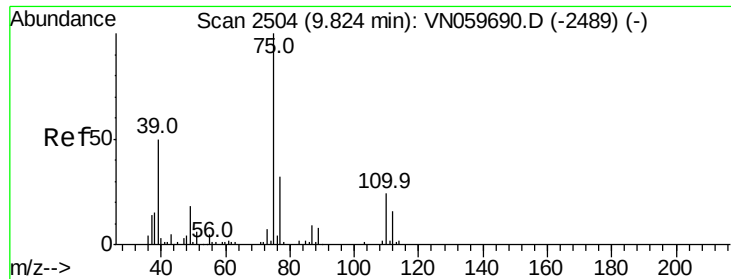
Tot Ion: 98 Resp: 377962
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.171 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

Tgt Ion: 43 Resp: 2956
Ion Ratio Lower Upper
43 100
58 37.9 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 7.171 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

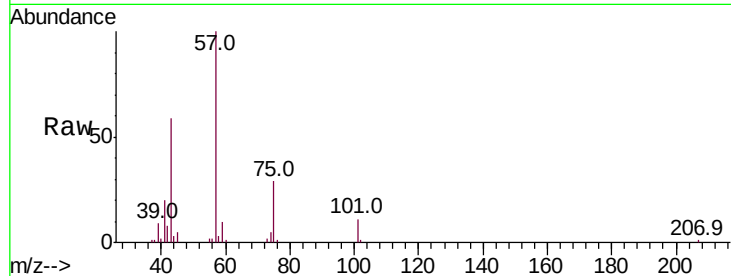
Tot Ion: 75 Resp: 23928

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

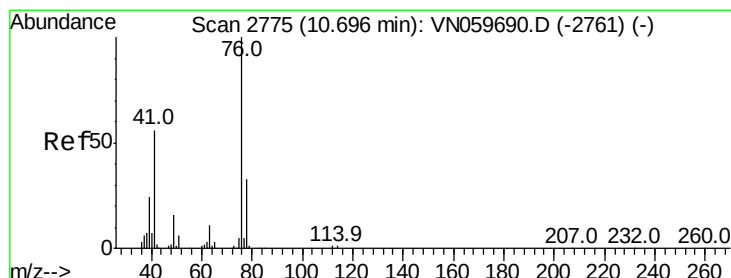
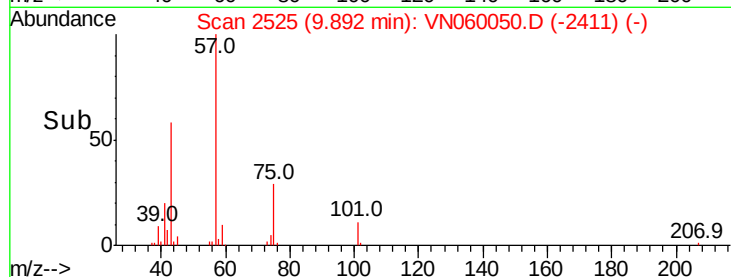
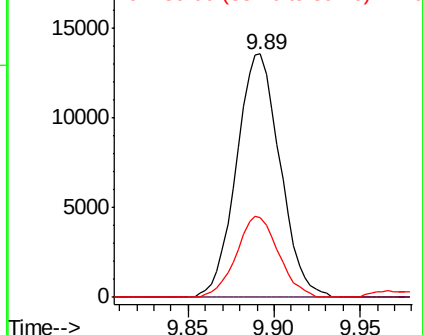
39 32.5 46.1 69.1#



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: 1.233 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060050.D

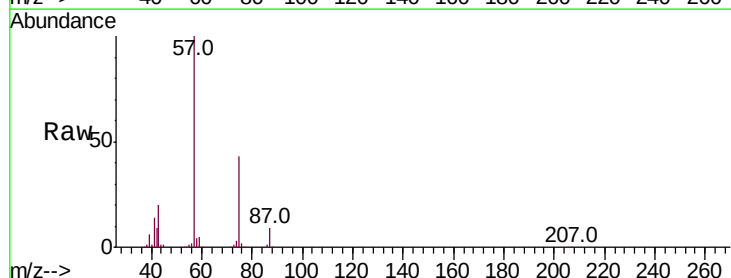
Acq: 10 Feb 2020 16:42

Tgt Ion: 76 Resp: 3953

Ion Ratio Lower Upper

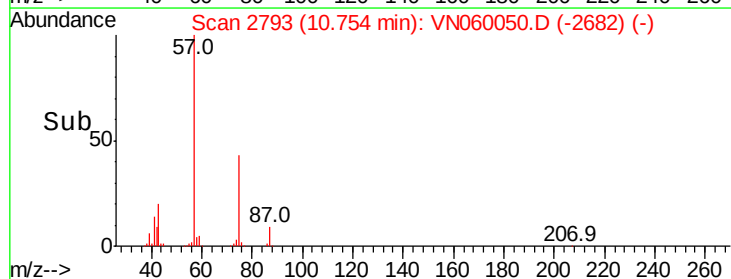
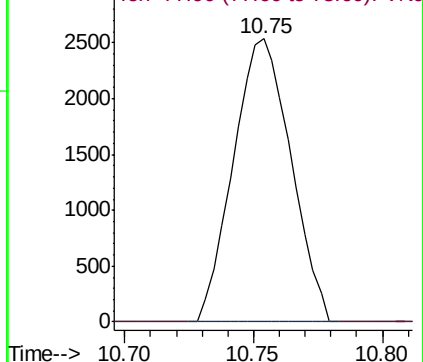
76 100

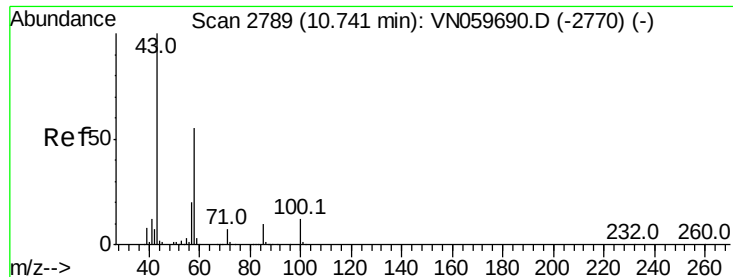
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

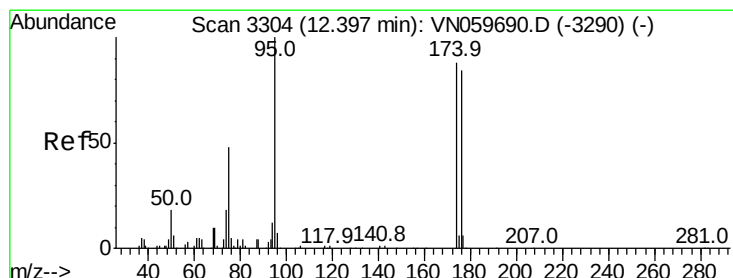
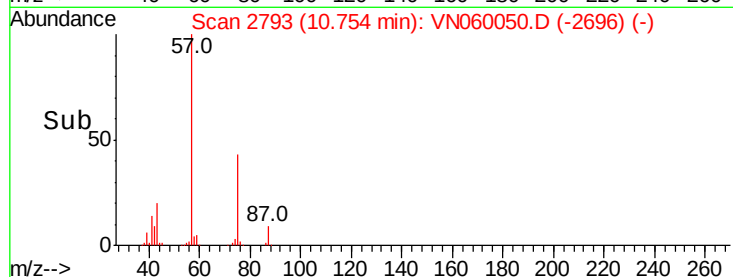
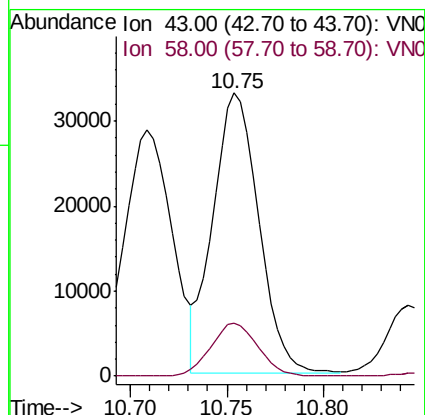
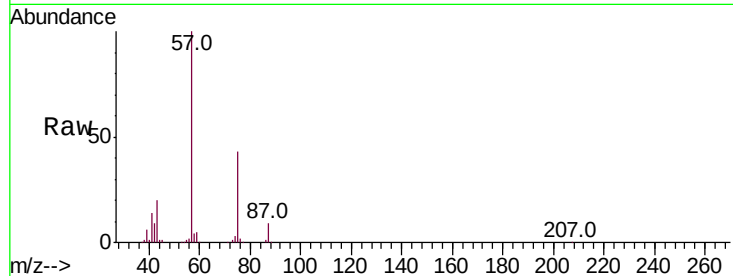




#59
2-Hexanone
Concen: 29.127 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

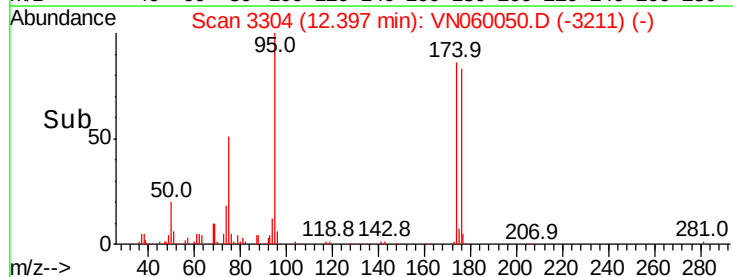
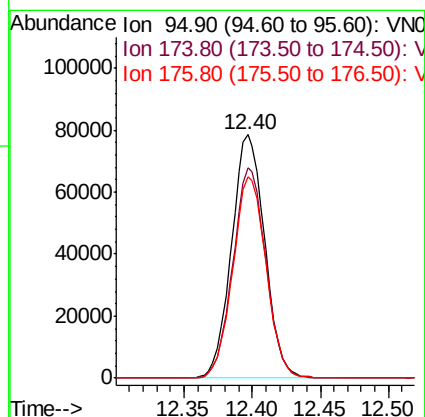
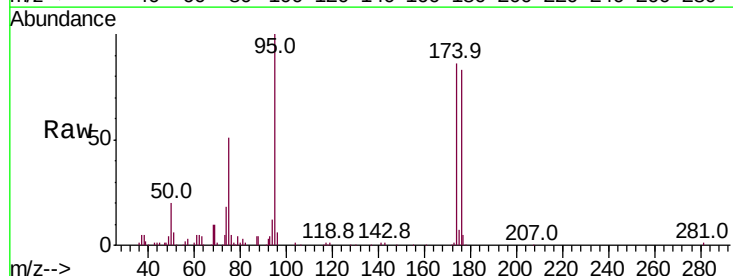
Instrument :
MSVOA_N
ClientSampleId :

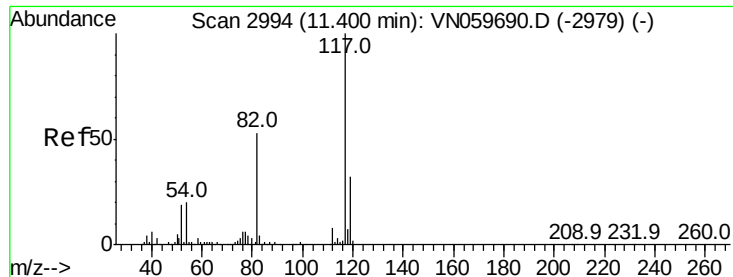
Tot Ion: 43 Resp: 54178
Ion Ratio Lower Upper
43 100
58 19.4 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 51.244 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

Tgt Ion: 95 Resp: 132702
Ion Ratio Lower Upper
95 100
174 85.8 0.0 151.4
176 82.9 0.0 146.0

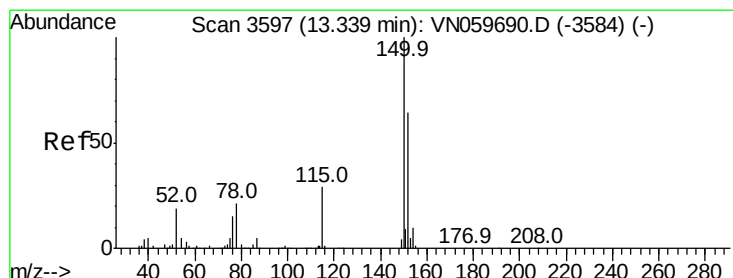
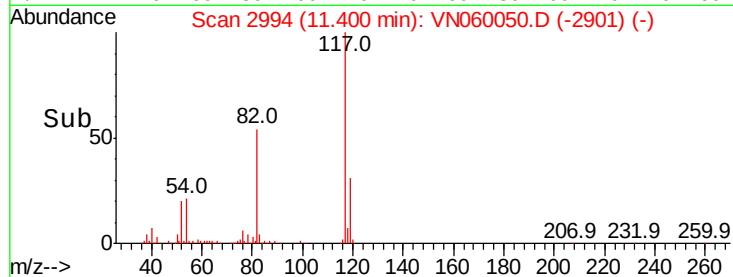
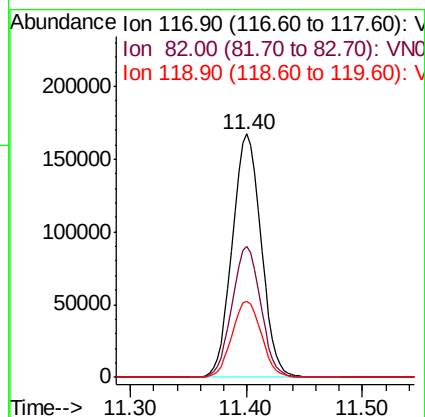
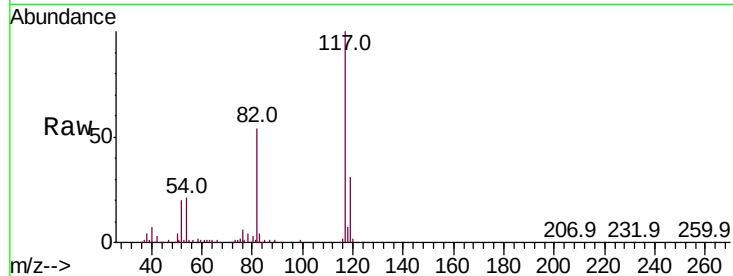




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

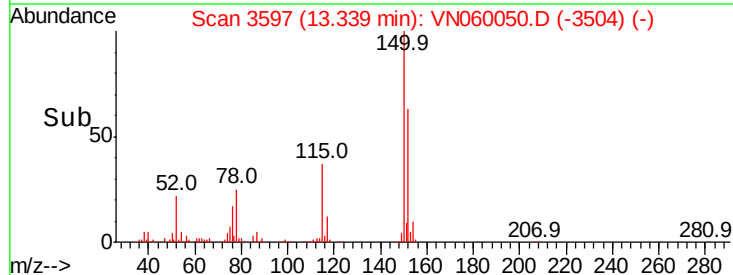
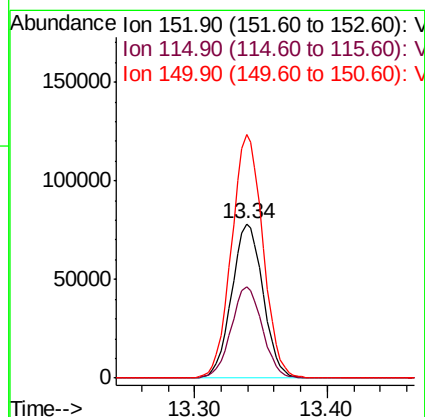
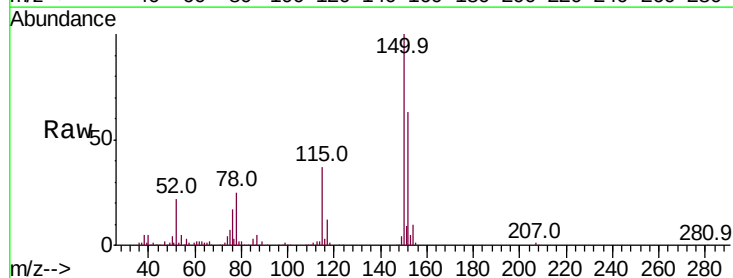
Instrument :
MSVOA_N
ClientSampleId :

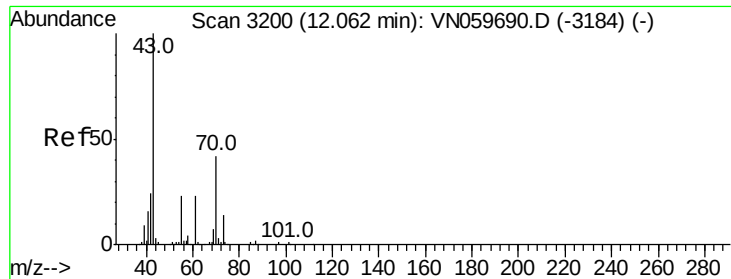
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	31.4	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	157.8	0.0	345.2

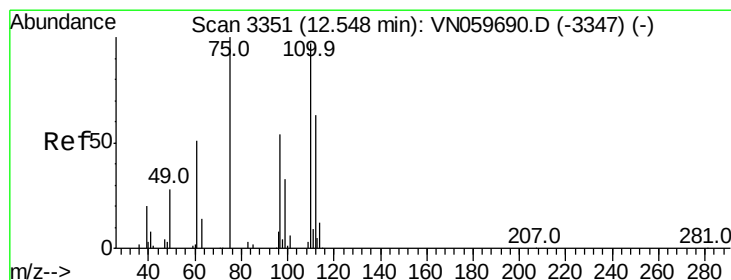
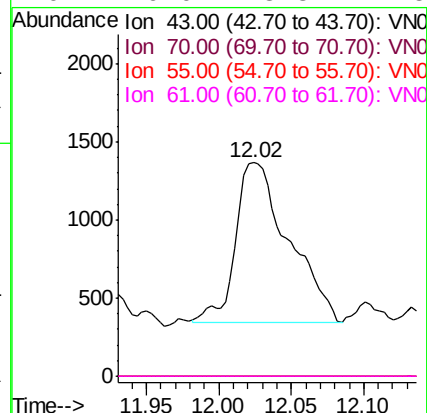
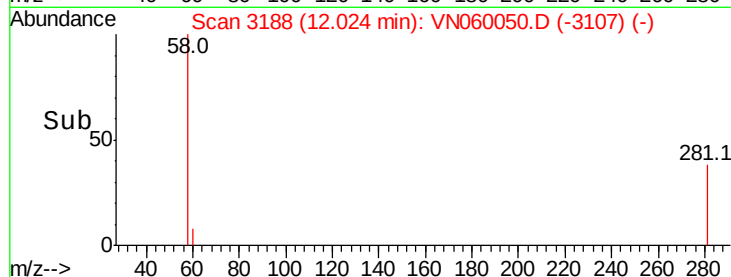
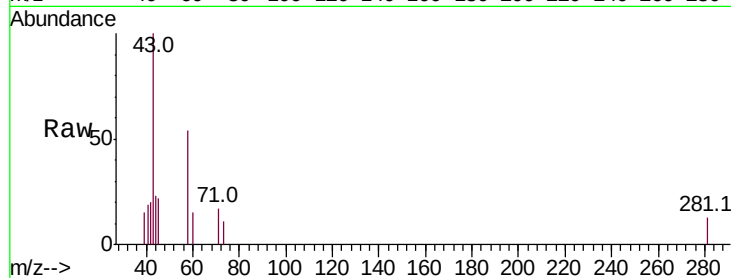




#74
N-amyl acetate
Concen: 0.707 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

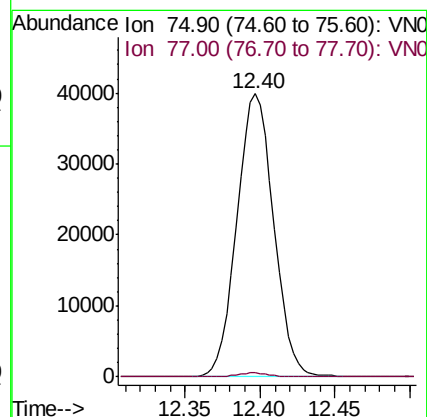
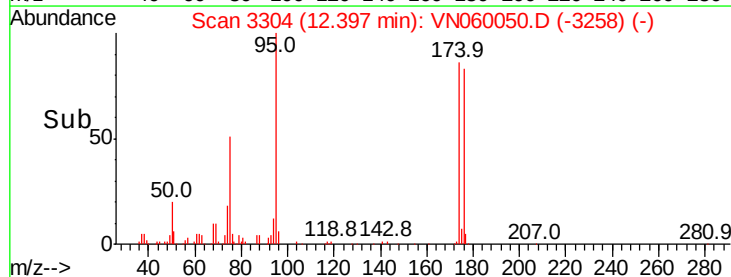
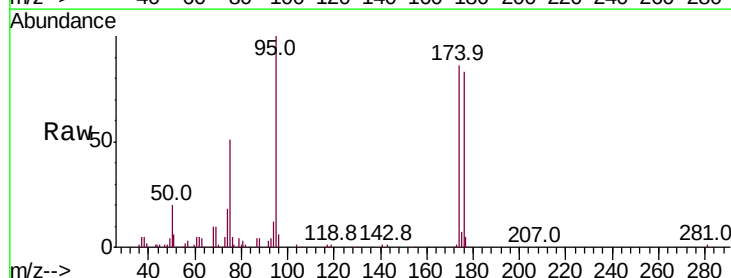
Instrument :
MSVOA_N
ClientSampled :

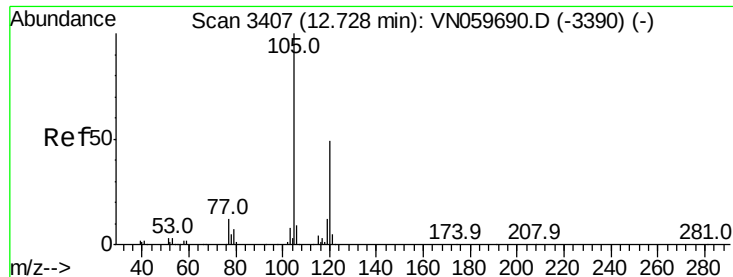
Tot Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 31.609 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060050.D
Acq: 10 Feb 2020 16:42

Tgt Ion: 75 Resp: 68307
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

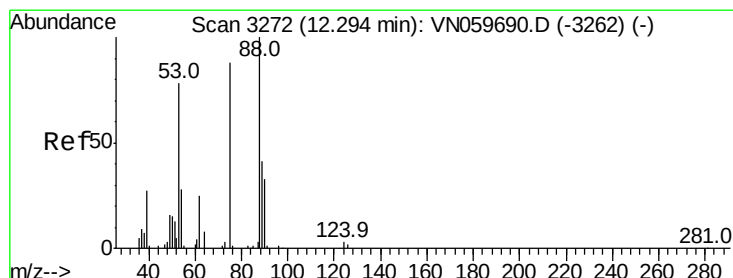
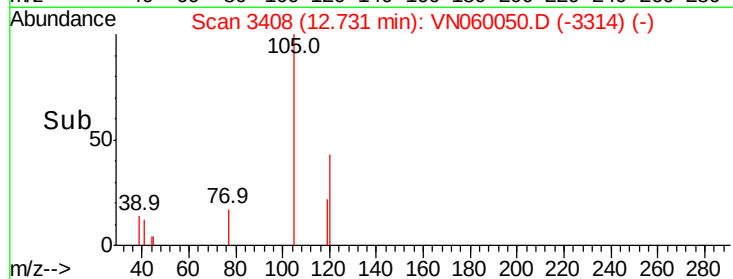
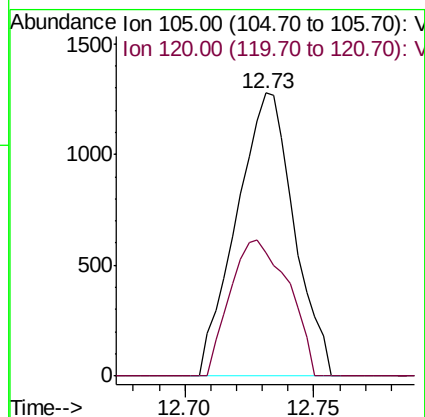
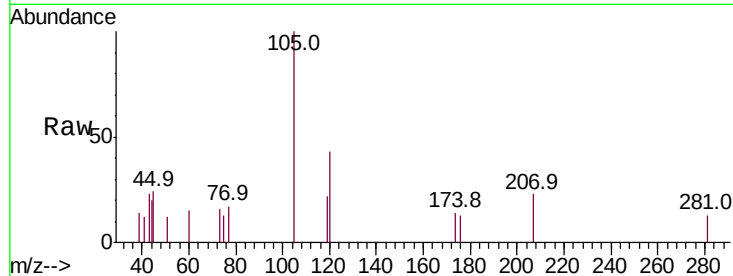




#80
 1,3,5-Trimethylbenzene
 Concen: 0.251 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

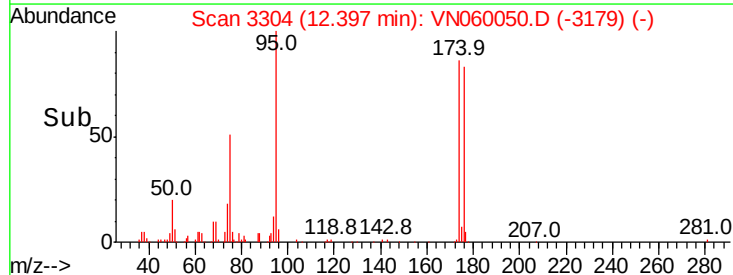
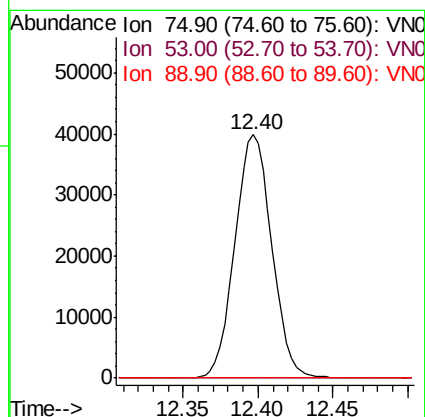
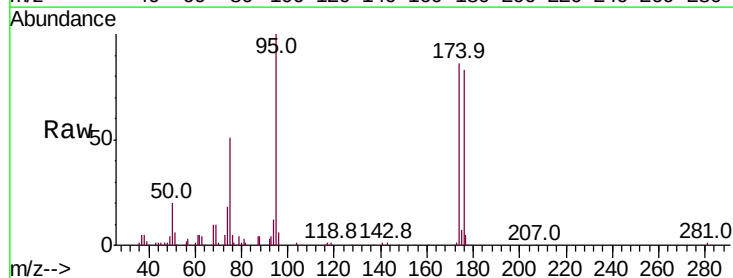
Instrument :
 MSVOA_N
 ClientSampled :

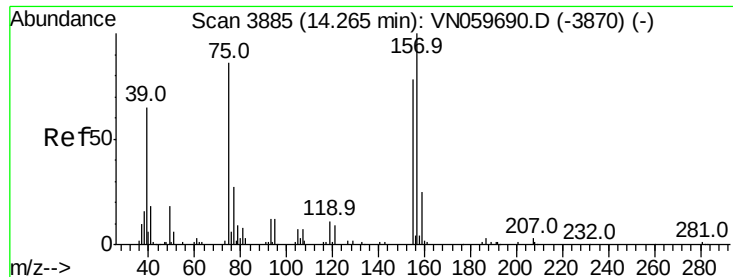
Tot Ion:105 Resp: 1991
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.880 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060050.D
 Acq: 10 Feb 2020 16:42

Tgt Ion: 75 Resp: 68307
 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: 14.29 min Scan# 3894

Delta R.T. 0.03 min

Lab File: VN060050.D

Acq: 10 Feb 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

