

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060634.D
 Acq On : 19 Mar 2020 14:15
 Operator : JC/MD
 Sample : PB127661ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:49:18 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	205355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145505	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	132673	47.06	ug/l	0.00
Spiked Amount						
			Recovery	=	94.12%	
35) Dibromofluoromethane	7.56	113	100273	48.56	ug/l	0.00
Spiked Amount						
			Recovery	=	97.12%	
50) Toluene-d8	10.08	98	426884	50.61	ug/l	0.00
Spiked Amount						
			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	158448	51.26	ug/l	0.00
Spiked Amount						
			Recovery	=	102.52%	

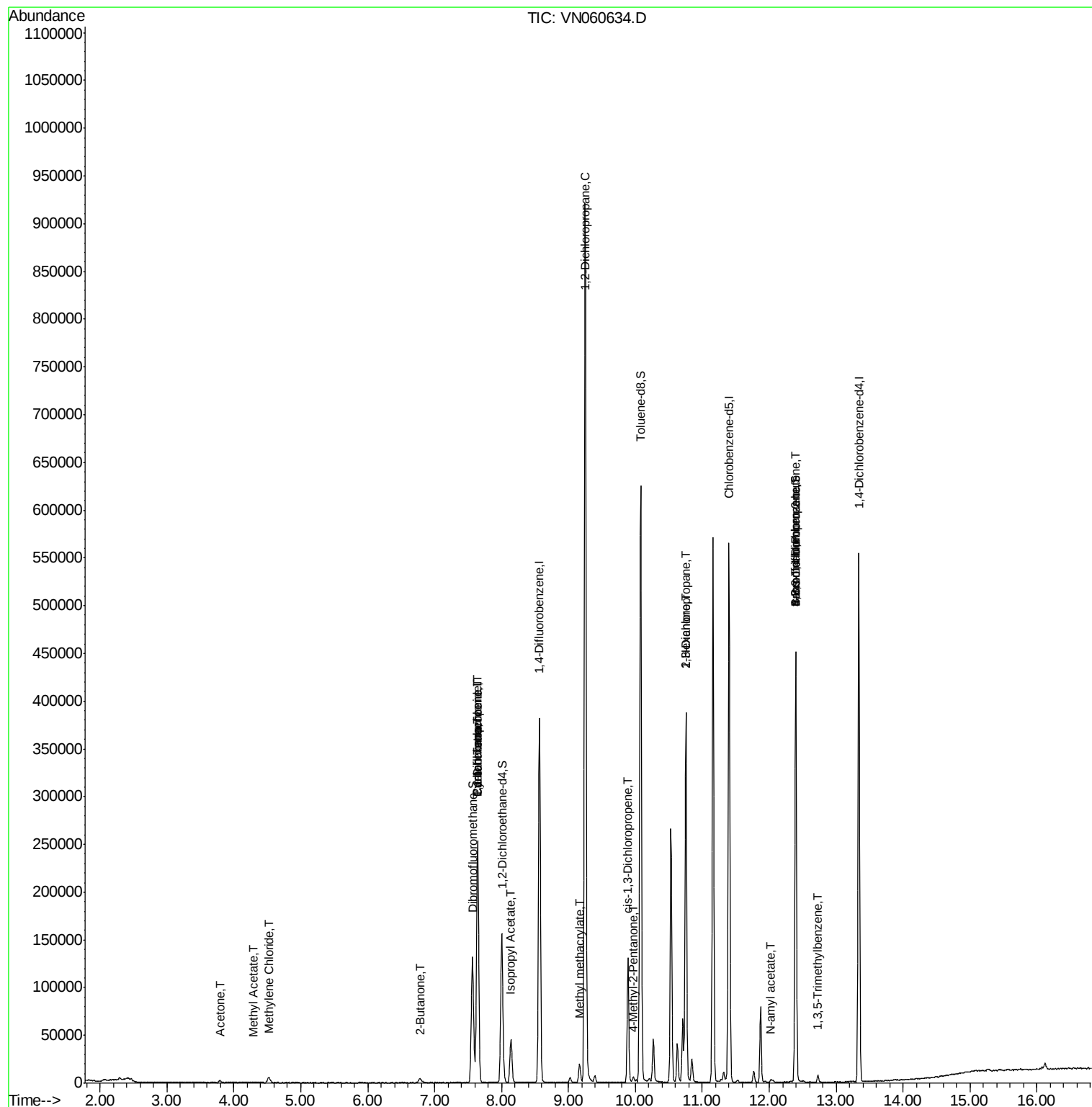
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4089	4.095	ug/l	96
18) Methyl Acetate	4.29	43	1629	0.580	ug/l #	66
20) Methylene Chloride	4.52	84	4471	1.820	ug/l	93
25) 2-Butanone	6.80	43	505	0.313	ug/l #	50
31) Cyclohexane	7.64	56	4522	0.996	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	16004	4.840	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19707	6.649	ug/l #	16
43) Isopropyl Acetate	8.14	43	55610	9.437	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1096	0.416	ug/l #	43
48) Methyl methacrylate	9.16	41	2803	1.068	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4374	1.304	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	23831	5.715	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4047	1.005	ug/l #	42
59) 2-Hexanone	10.75	43	58041	24.028	ug/l #	52
71) Bromoform	12.40	173	261	1.812	ug/l #	1
74) N-amyl acetate	12.02	43	3345	0.663	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	80615	25.676	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4572	0.493	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	80615	65.944	ug/l #	13

(#) = 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# 1825

Delta R.T. -0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

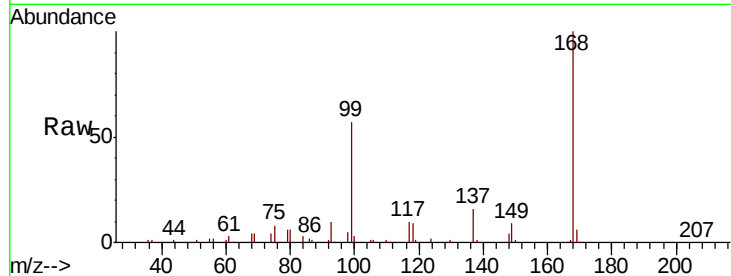
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 205355

Ion Ratio Lower Upper

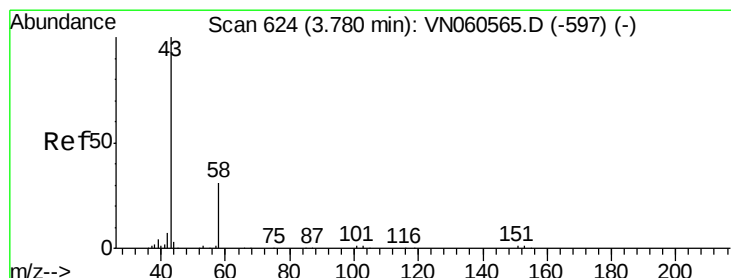
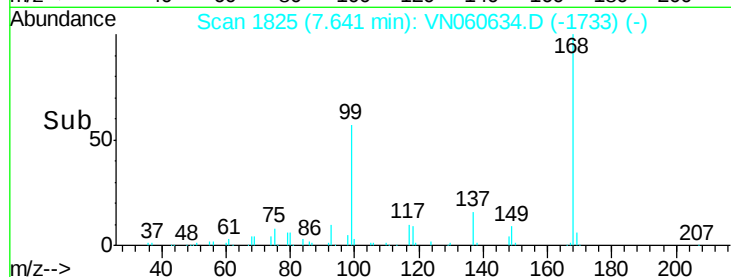
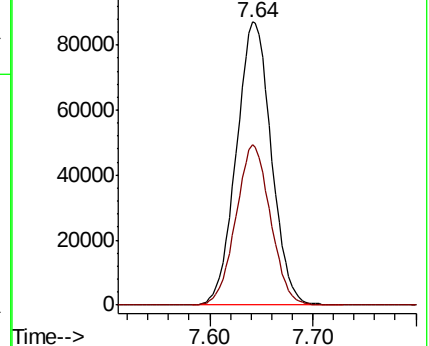
168 100

99 56.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.095 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060634.D

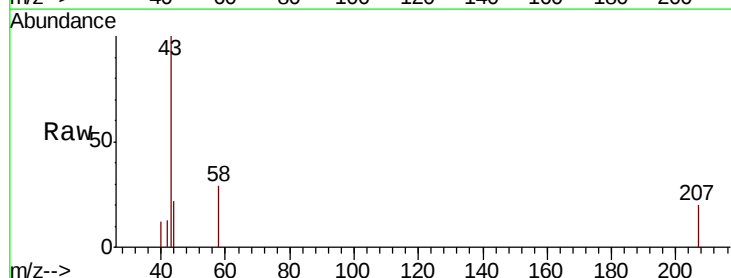
Acq: 19 Mar 2020 14:15

Tgt Ion: 43 Resp: 4089

Ion Ratio Lower Upper

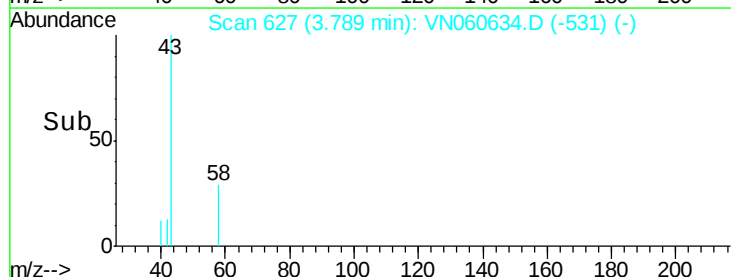
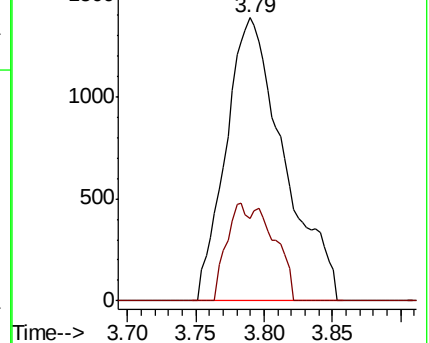
43 100

58 29.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

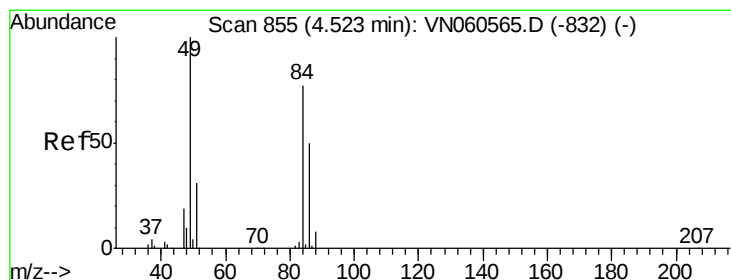
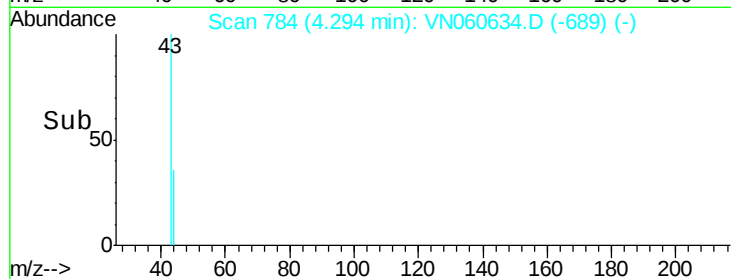
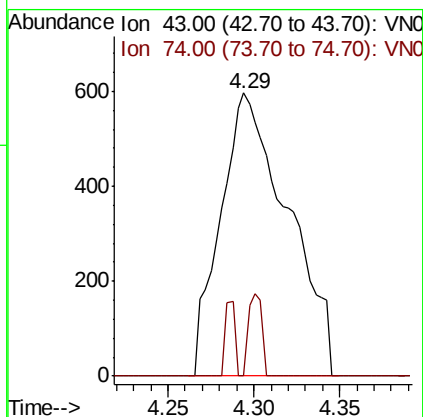
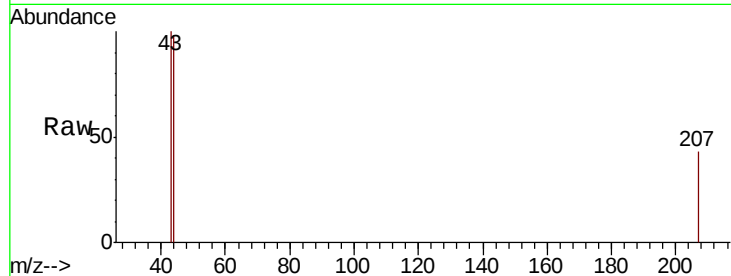




#18
Methyl Acetate
Concen: 0.580 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

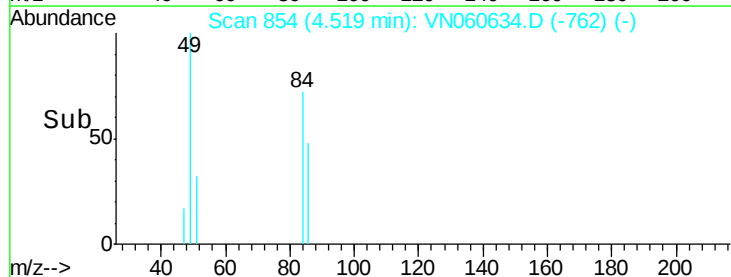
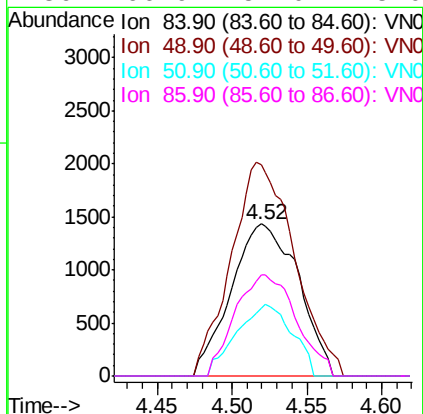
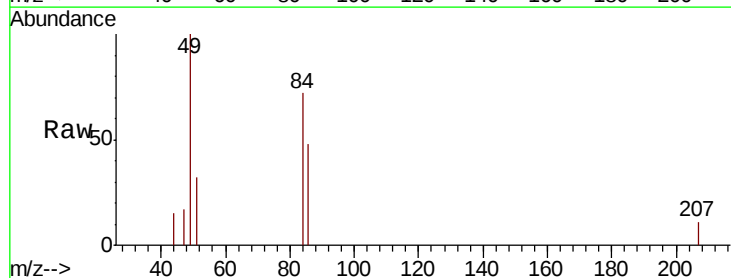
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
74 5.7 17.5 26.3#



#20
Methylene Chloride
Concen: 1.820 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

Tgt Ion: 84 Resp: 4471
Ion Ratio Lower Upper
84 100
49 138.8 103.3 154.9
51 44.8 31.6 47.4
86 66.9 52.0 78.0





#25

2-Butanone

Concen: 0.313 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

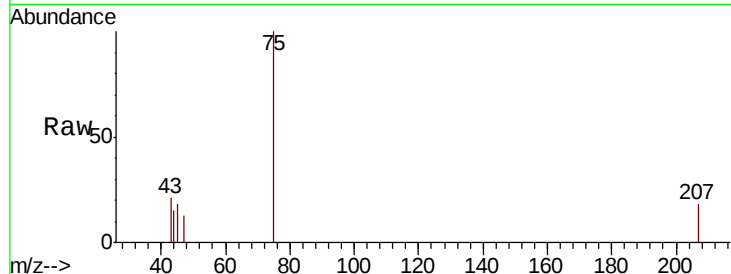
ClientSampleId :

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

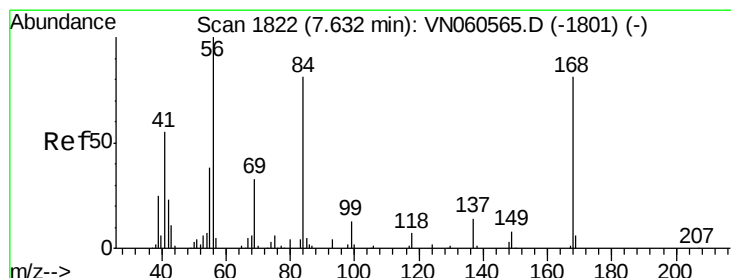
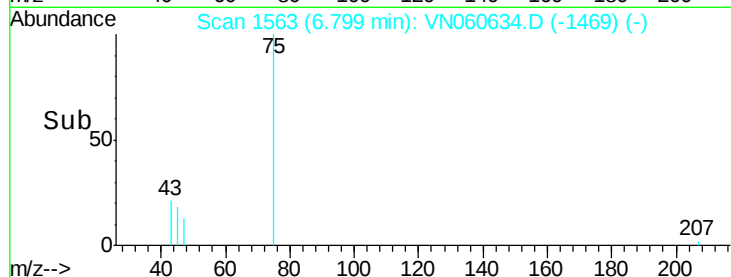
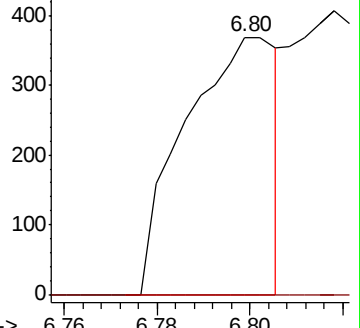
43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.996 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

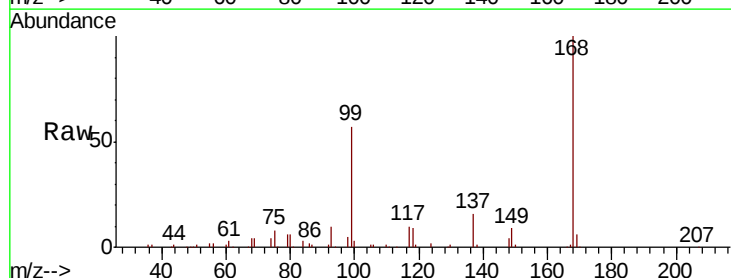
Tgt Ion: 56 Resp: 4522

Ion Ratio Lower Upper

56 100

69 154.4 26.6 40.0#

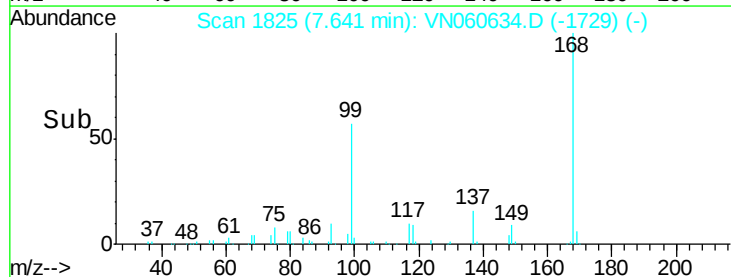
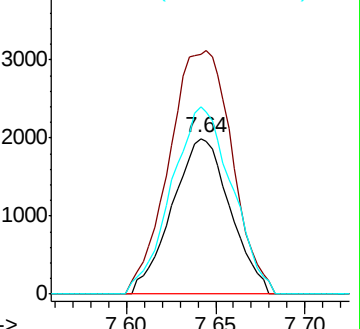
84 120.5 64.3 96.5#



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

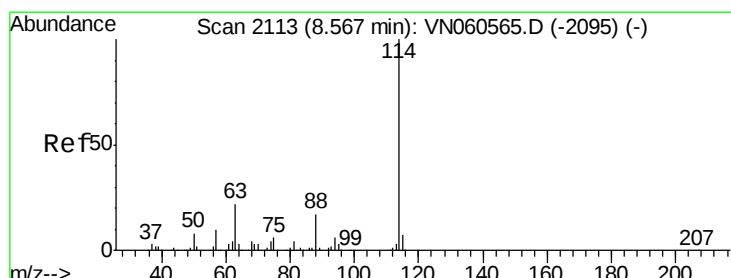
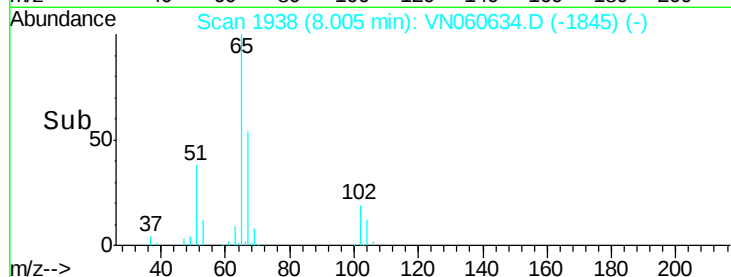
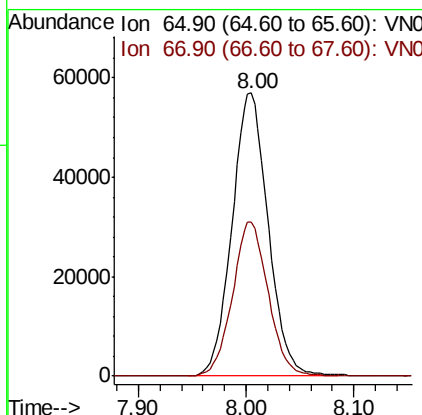
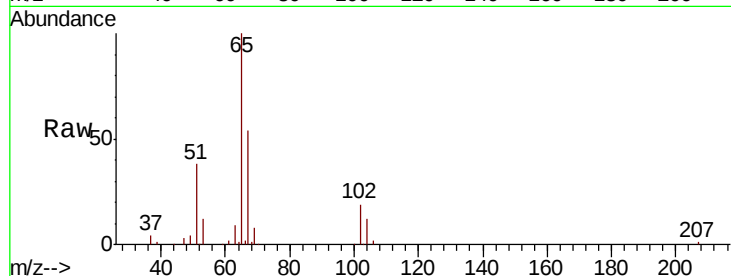




#33
 1,2-Dichloroethane-d4
 Concen: 47.063 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060634.D
 Acq: 19 Mar 2020 14:15

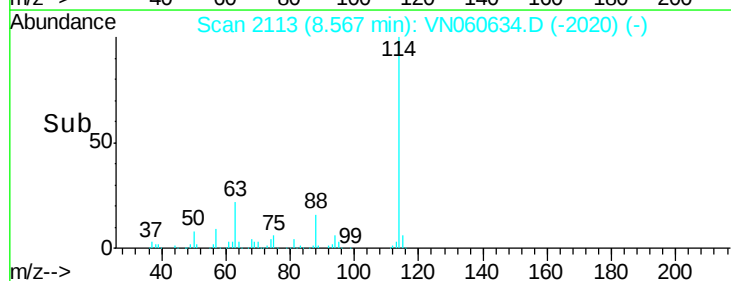
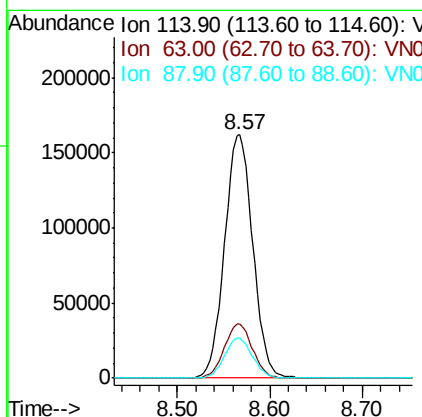
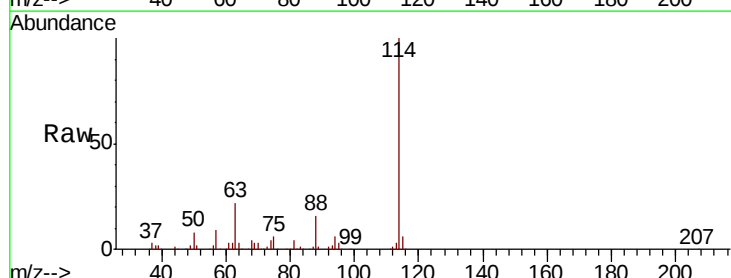
Instrument :
 MSVOA_N
 ClientSampleId :

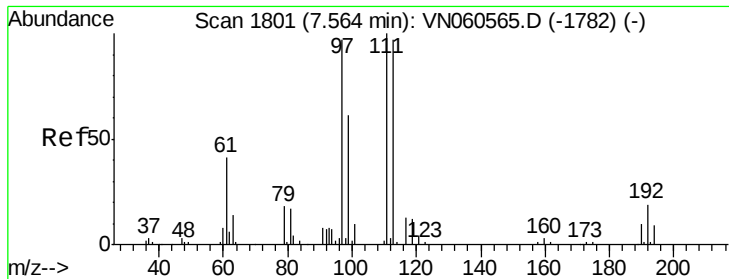
Tot Ion: 65 Resp: 132673
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060634.D
 Acq: 19 Mar 2020 14:15

Tgt Ion: 114 Resp: 341517
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.557 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :
MSVOA_N
ClientSampled :

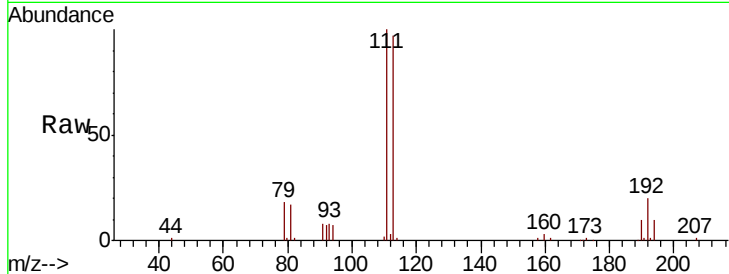
Tot Ion:113 Resp: 100273

Ion Ratio Lower Upper

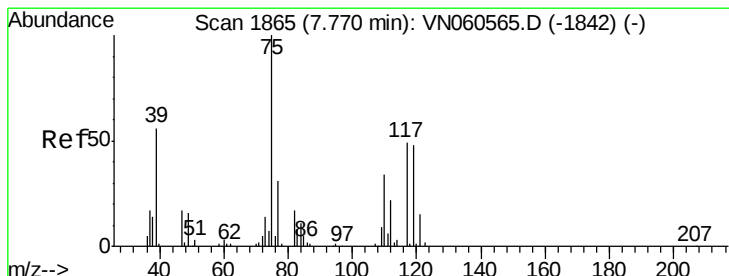
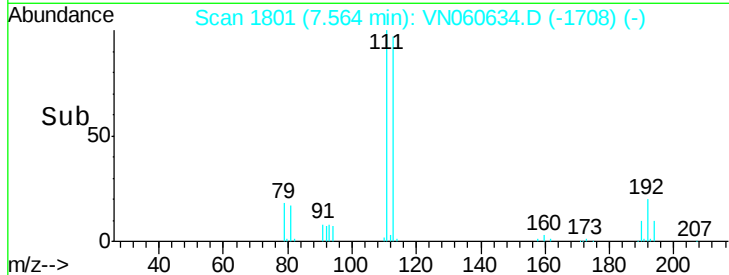
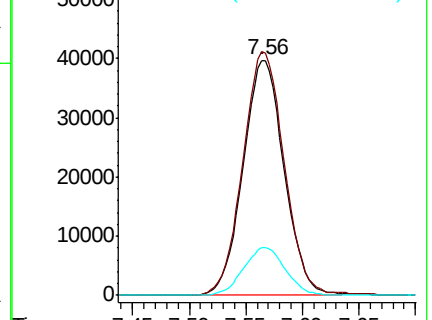
113 100

111 105.0 82.9 124.3

192 20.6 15.8 23.8



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: 4.840 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

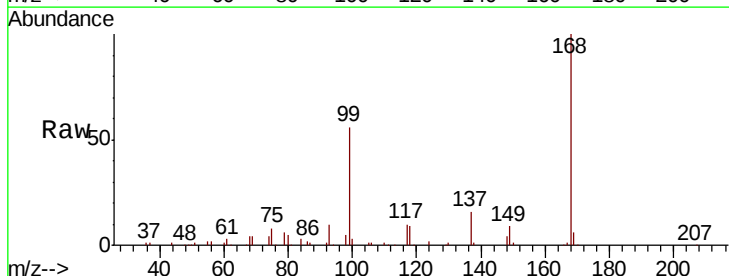
Tgt Ion: 75 Resp: 16004

Ion Ratio Lower Upper

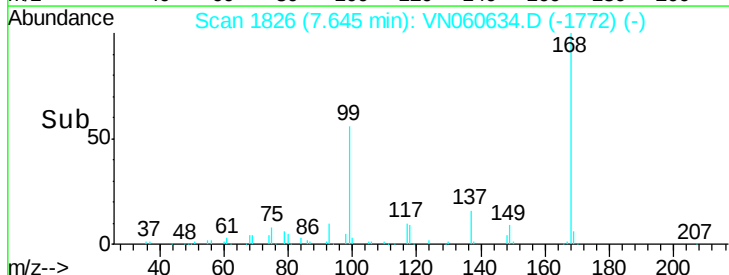
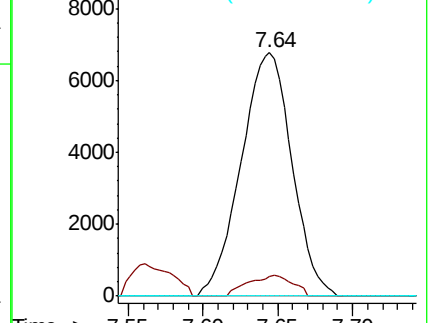
75 100

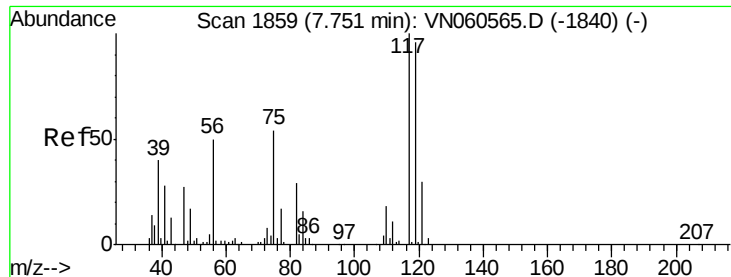
110 7.5 16.9 50.6#

77 0.0 24.6 36.8#



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





#38

Carbon Tetrachloride

Concen: 6.649 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

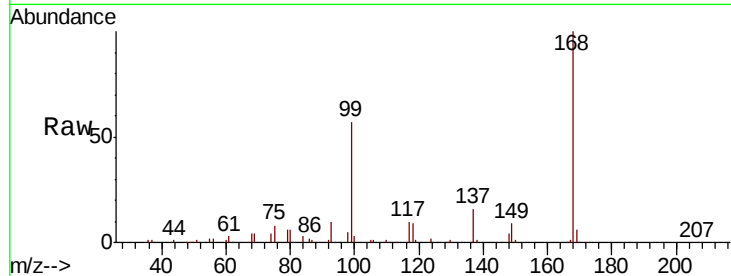
Tot Ion:117 Resp: 19707

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

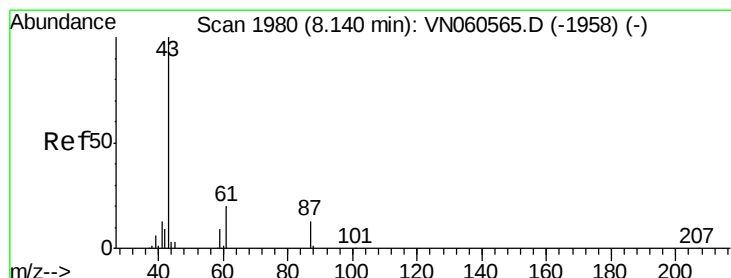
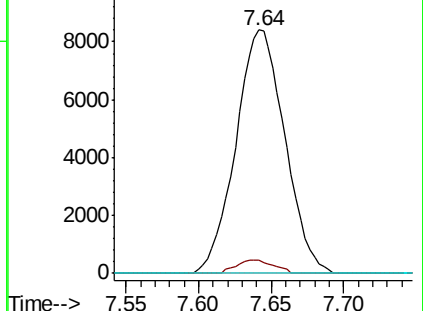
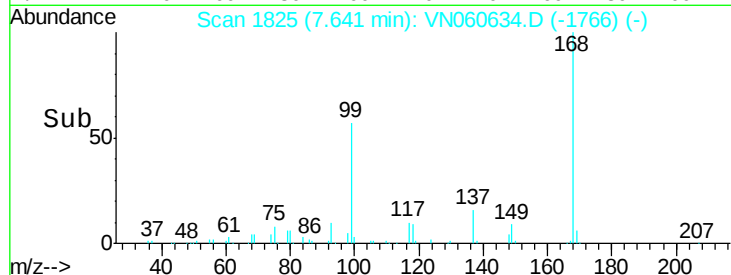
121 0.0 23.7 35.5#



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: 9.437 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

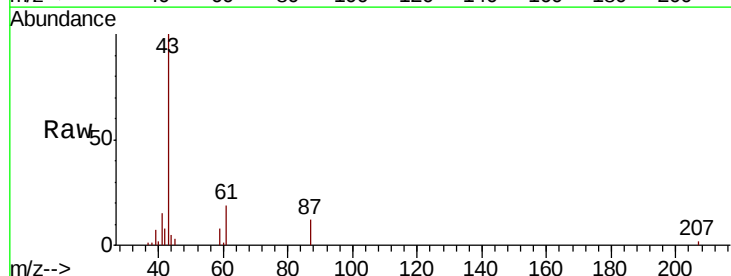
Tgt Ion: 43 Resp: 55610

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

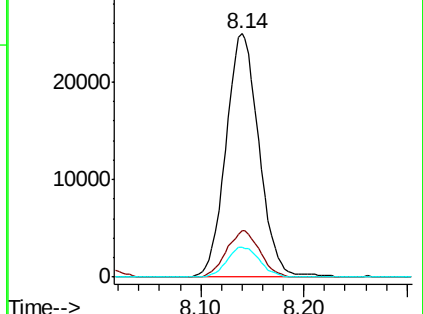
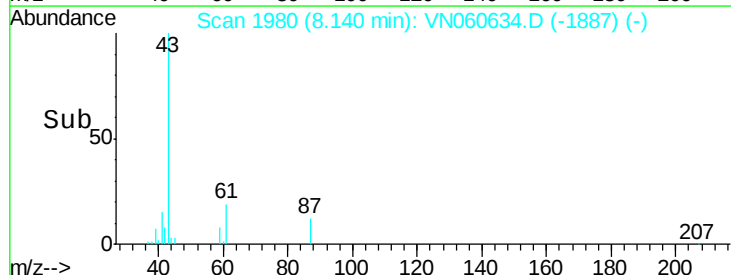
87 12.0 9.8 14.8

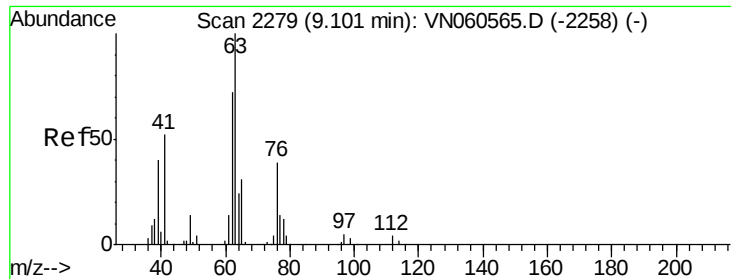


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

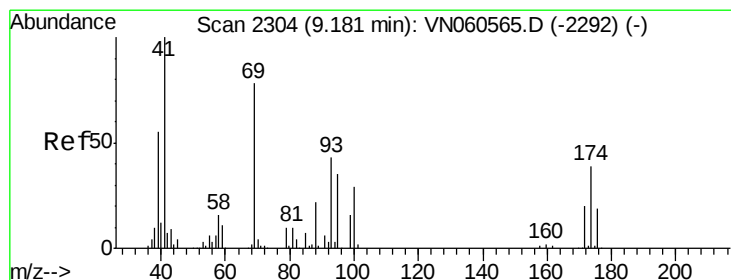
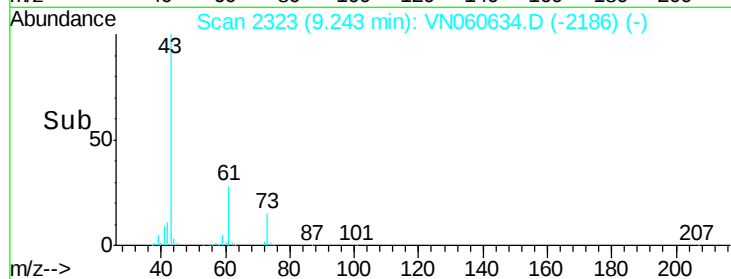
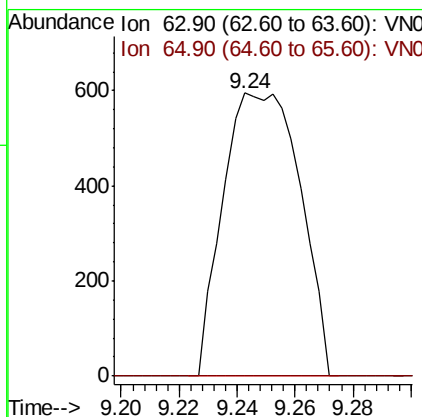
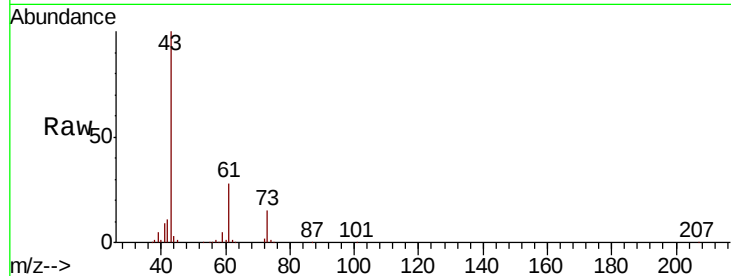




#45
 1,2-Dichloropropane
 Concen: 0.416 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.14 min
 Lab File: VN060634.D
 Acq: 19 Mar 2020 14:15

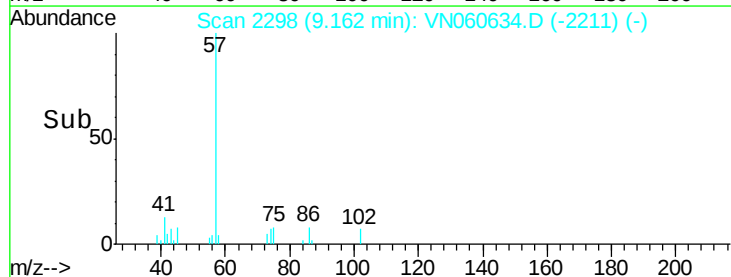
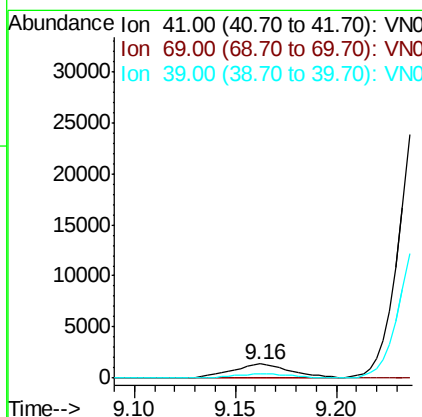
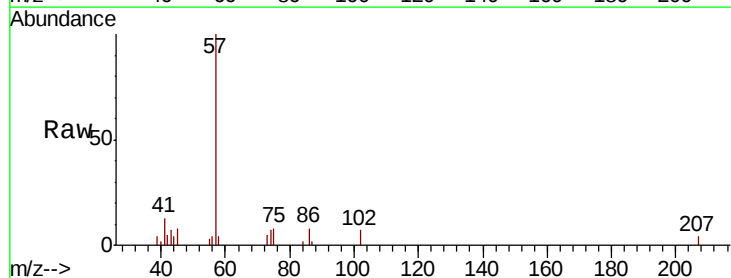
Instrument :
 MSVOA_N
 ClientSampleId :

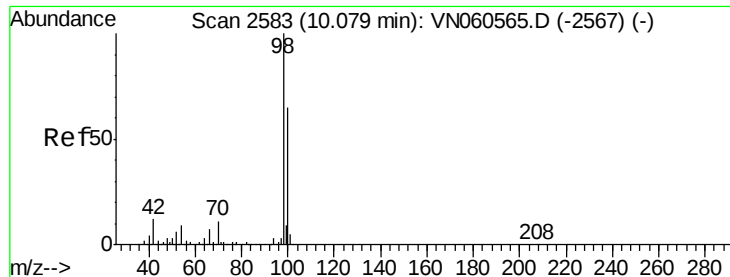
Tot Ion: 63 Resp: 1096
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.068 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060634.D
 Acq: 19 Mar 2020 14:15

Tgt Ion: 41 Resp: 2803
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.609 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

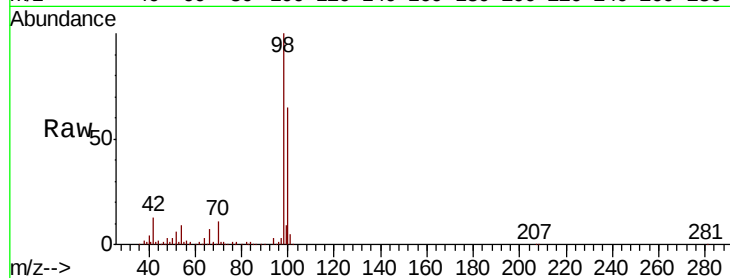
ClientSampled :

Tot Ion: 98 Resp: 426884

Ion Ratio Lower Upper

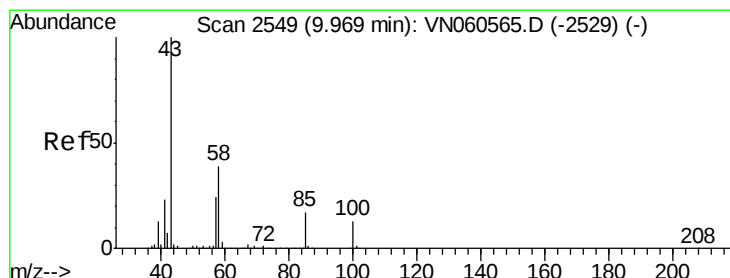
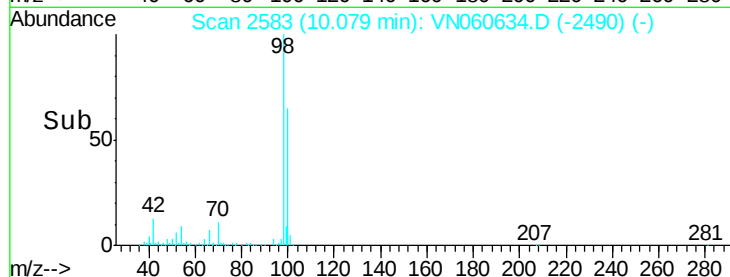
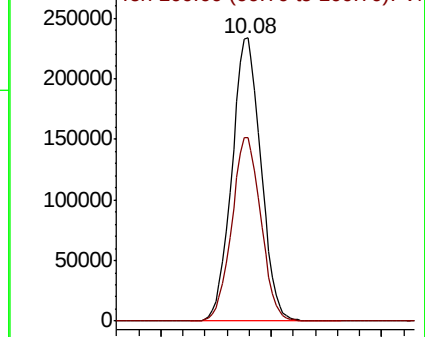
98 100

100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.304 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060634.D

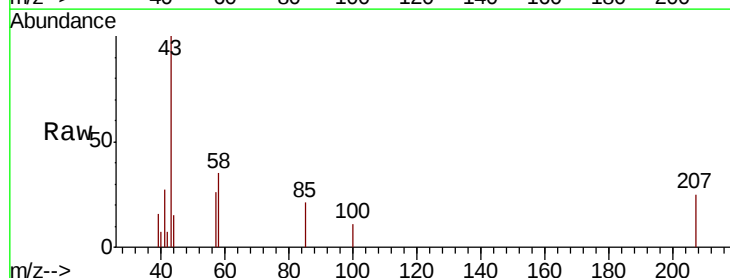
Acq: 19 Mar 2020 14:15

Tgt Ion: 43 Resp: 4374

Ion Ratio Lower Upper

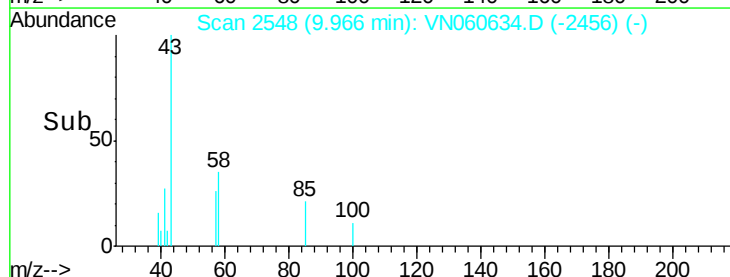
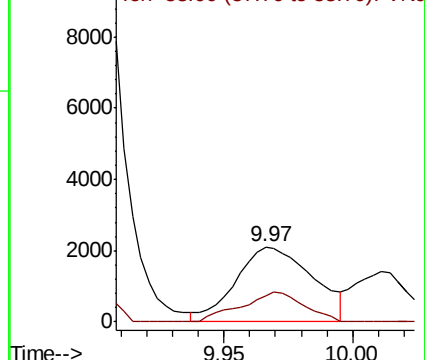
43 100

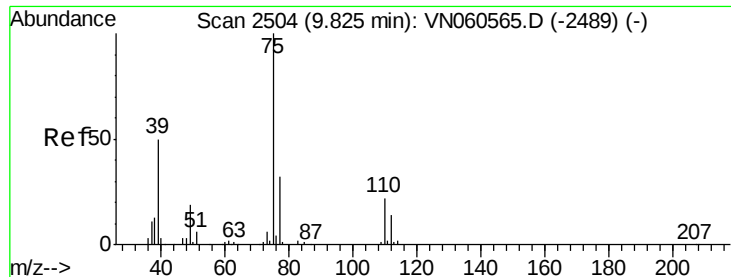
58 32.5 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 5.715 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

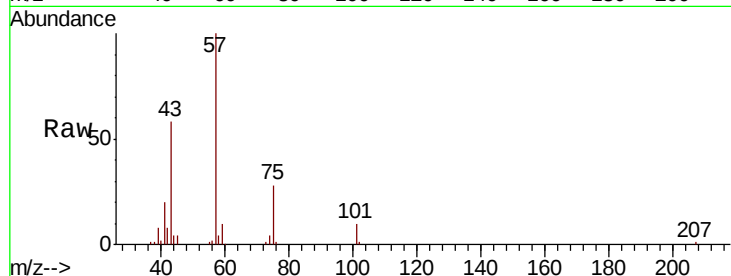
Tot Ion: 75 Resp: 23831

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

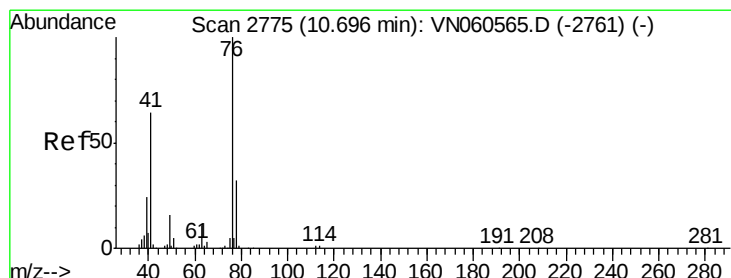
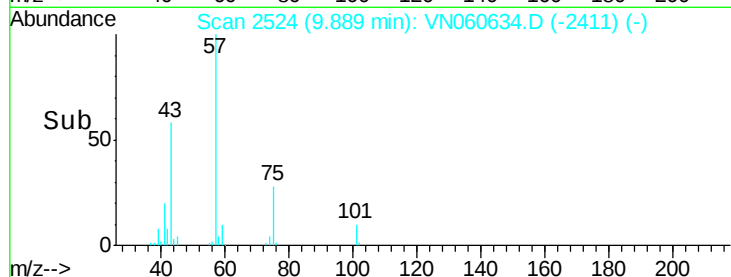
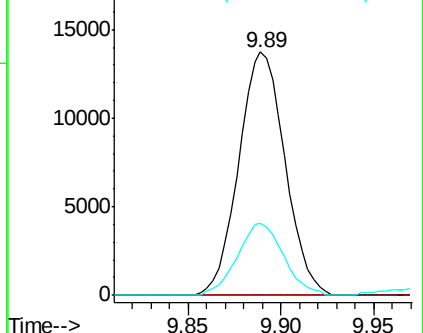
39 29.8 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)



#57

1,3-Dichloropropane

Concen: 1.005 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060634.D

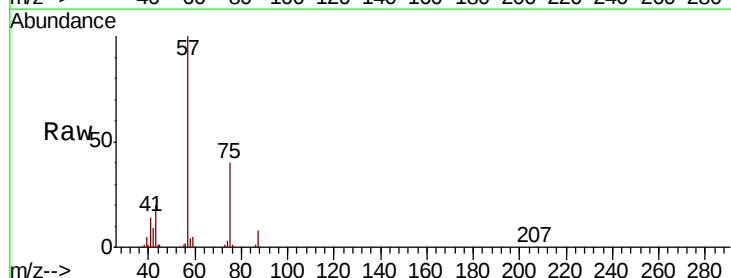
Acq: 19 Mar 2020 14:15

Tgt Ion: 76 Resp: 4047

Ion Ratio Lower Upper

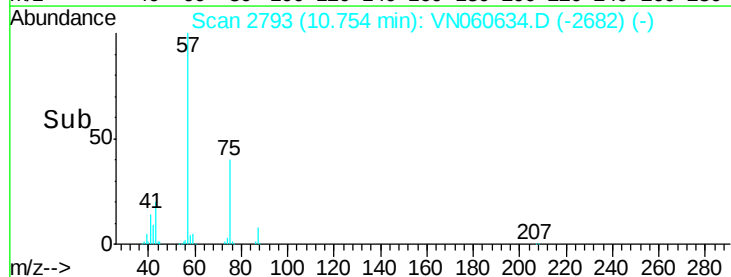
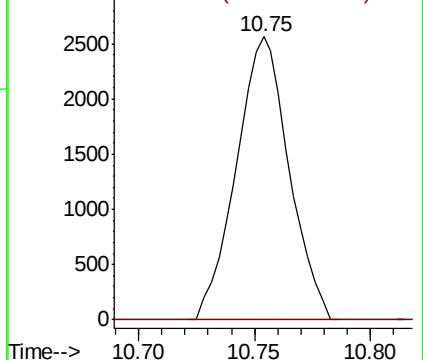
76 100

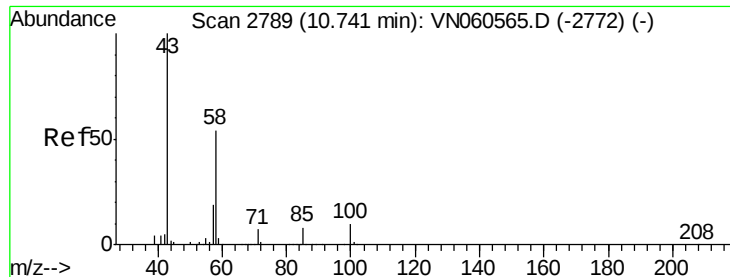
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-2761) (-)

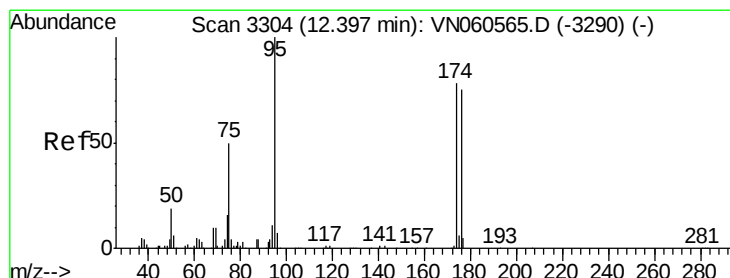
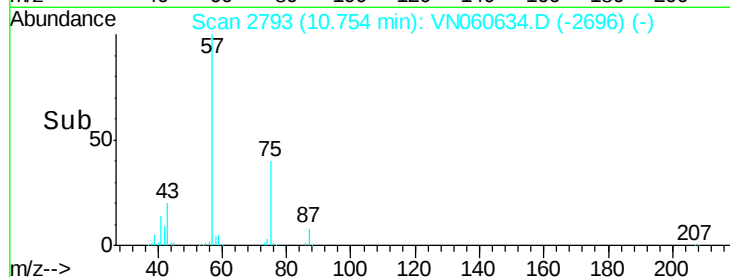
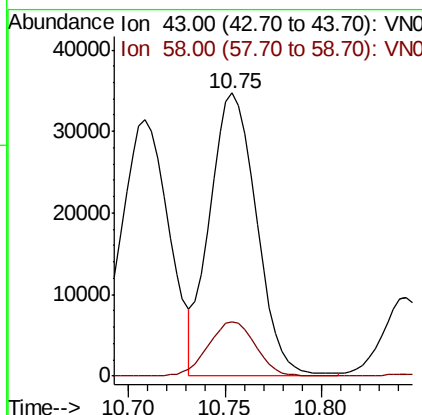
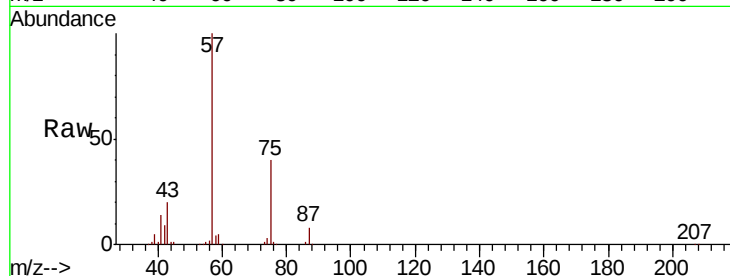




#59
2-Hexanone
Concen: 24.028 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

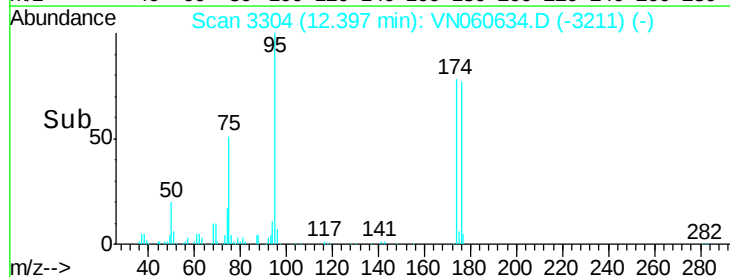
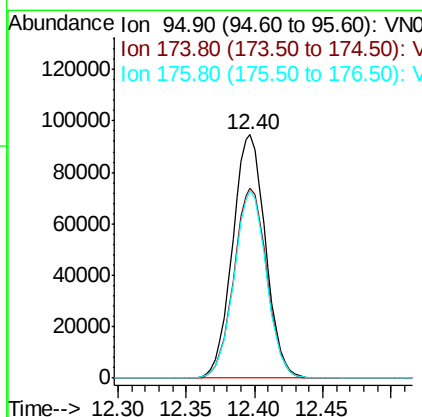
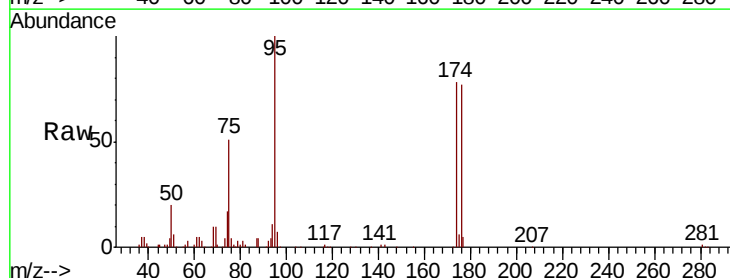
Instrument :
MSVOA_N
ClientSampleId :

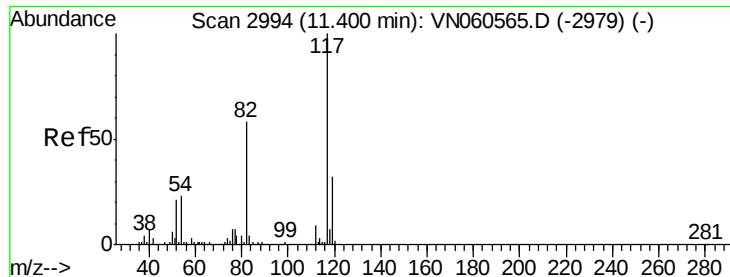
Tot Ion: 43 Resp: 58041
Ion Ratio Lower Upper
43 100
58 19.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.257 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

Tgt Ion: 95 Resp: 158448
Ion Ratio Lower Upper
95 100
174 77.9 0.0 157.6
176 75.7 0.0 150.6

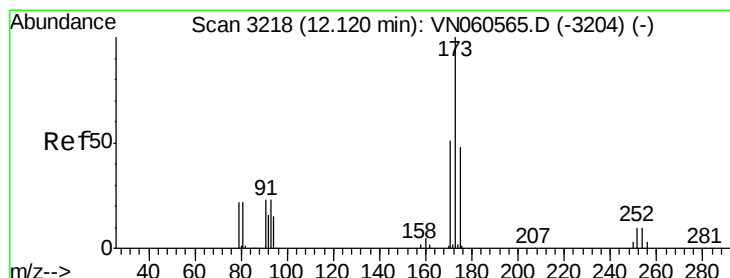
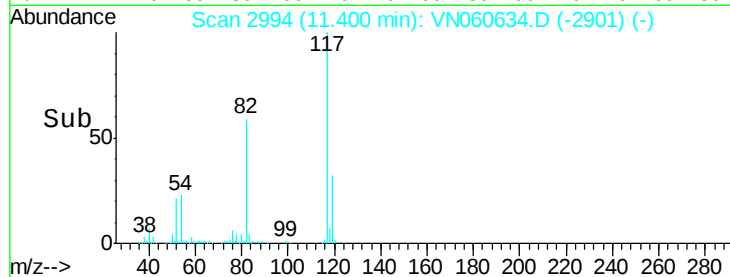
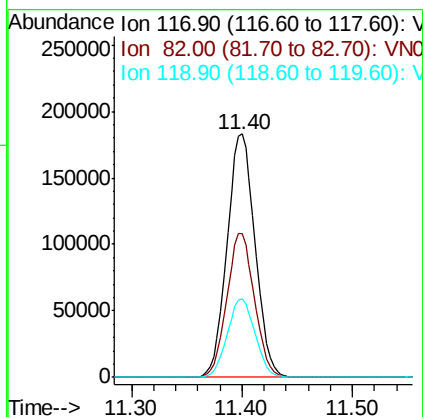
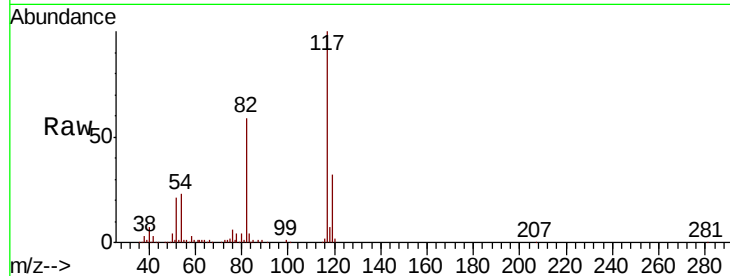




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

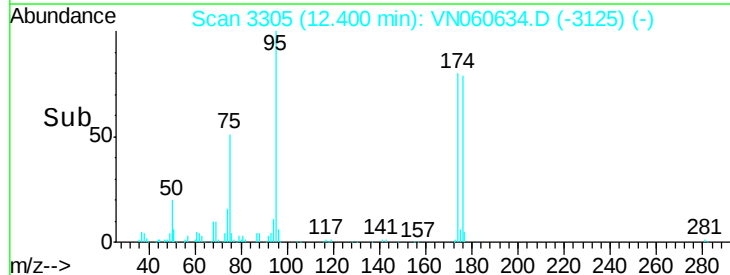
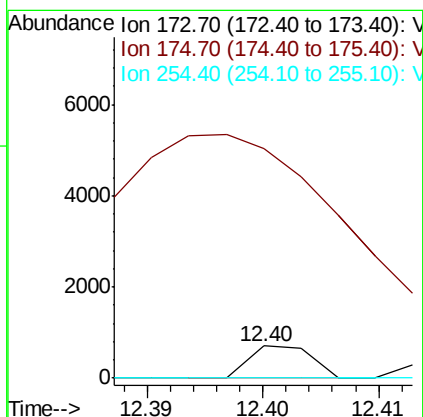
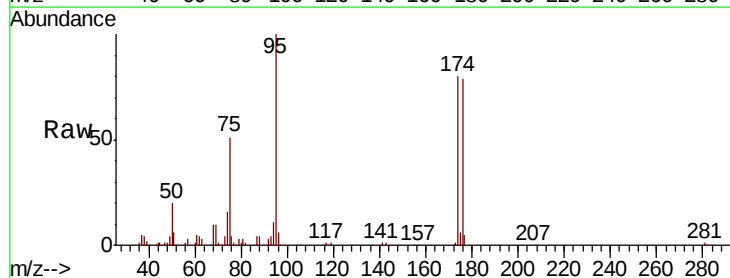
Instrument :
MSVOA_N
ClientSampled :

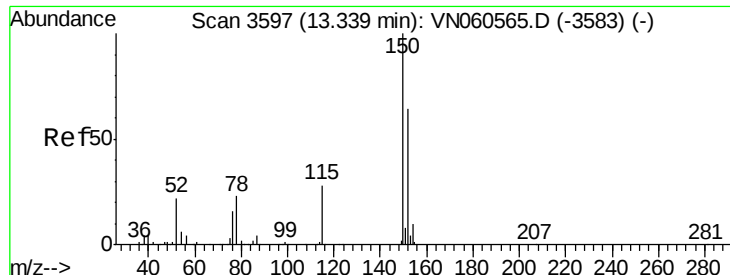
Tot Ion:117 Resp: 321750
Ion Ratio Lower Upper
117 100
82 59.1 46.7 70.1
119 32.1 25.5 38.3



#71
Bromoform
Concen: 1.812 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060634.D
Acq: 19 Mar 2020 14:15

Tgt Ion:173 Resp: 261
Ion Ratio Lower Upper
173 100
175 3000.8 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

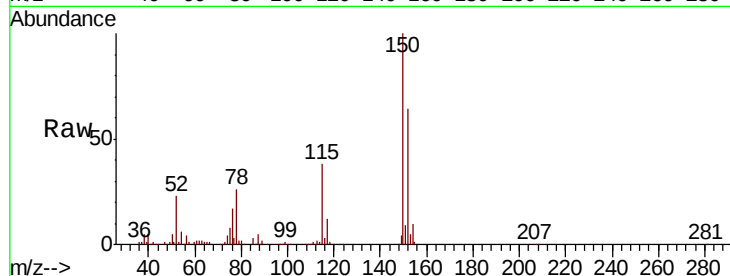
Tot Ion:152 Resp: 145505

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

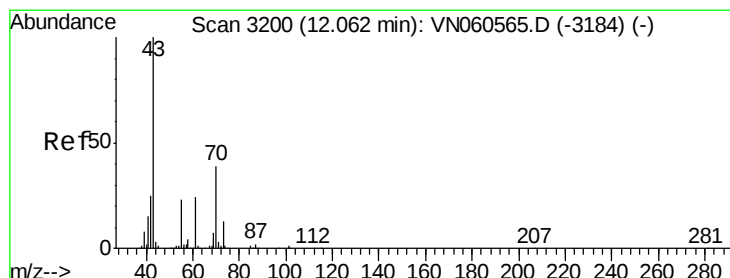
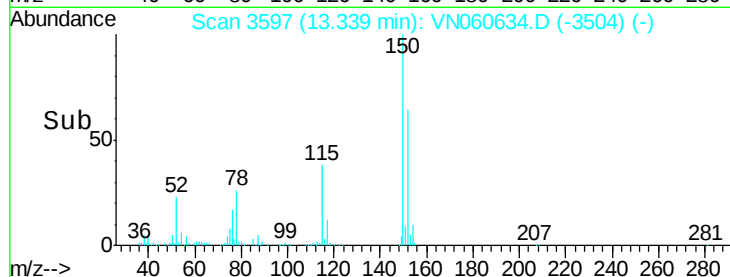
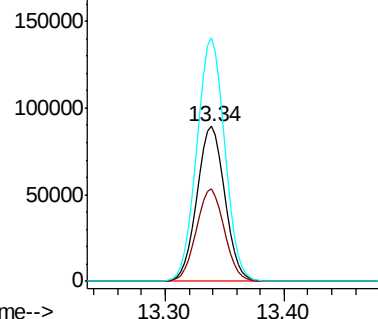
150 157.6 0.0 350.2



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: 0.663 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Tgt Ion: 43 Resp: 3345

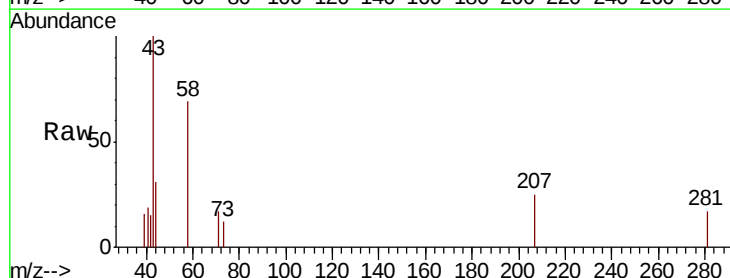
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

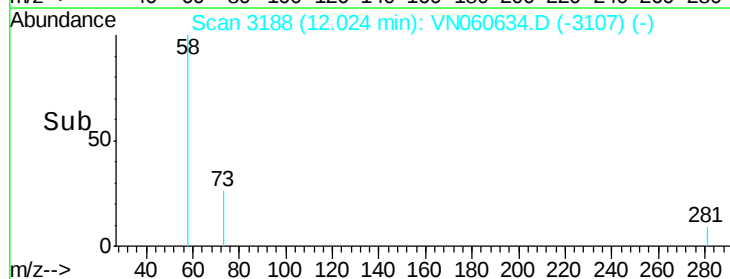
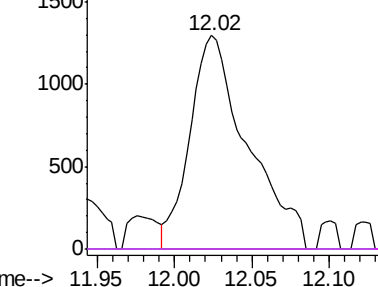


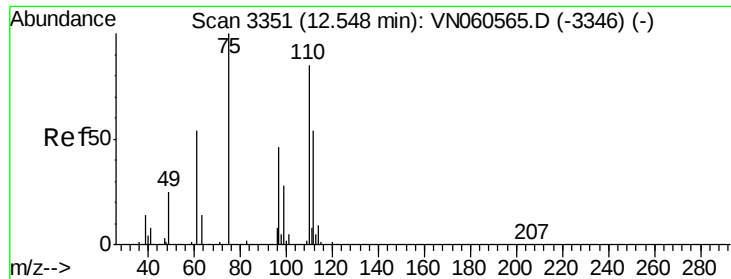
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.676 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060634.D

Acq: 19 Mar 2020 14:15

Instrument :

MSVOA_N

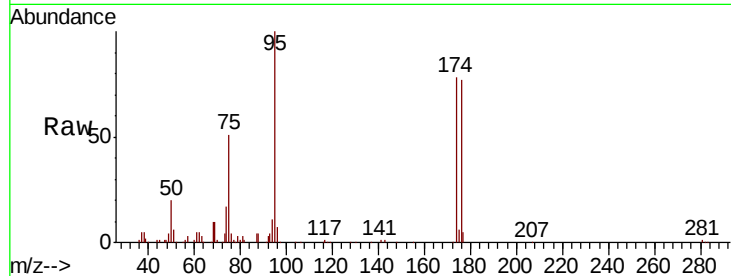
ClientSampleId :

Tot Ion: 75 Resp: 80615

Ion Ratio Lower Upper

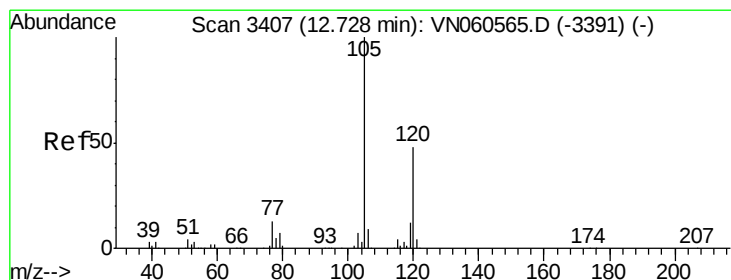
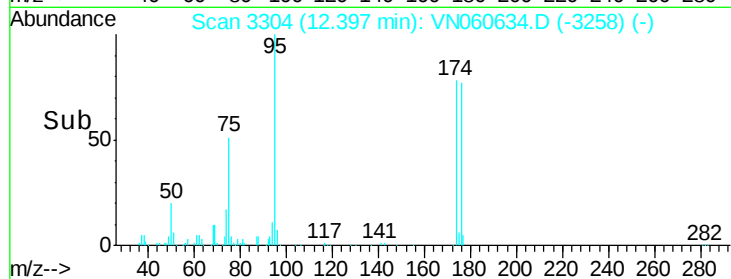
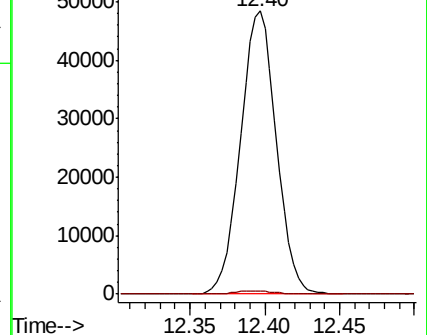
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060634.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060634.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.493 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060634.D

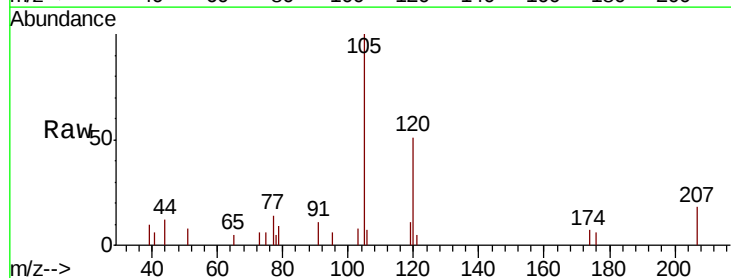
Acq: 19 Mar 2020 14:15

Tgt Ion: 105 Resp: 4572

Ion Ratio Lower Upper

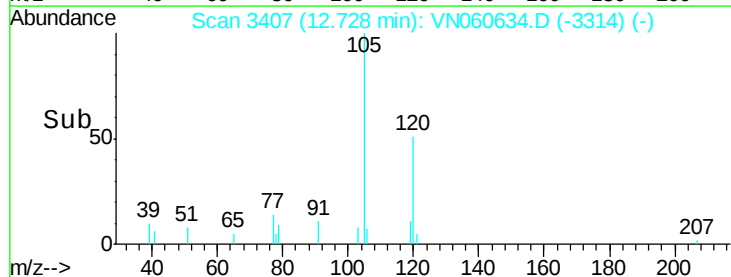
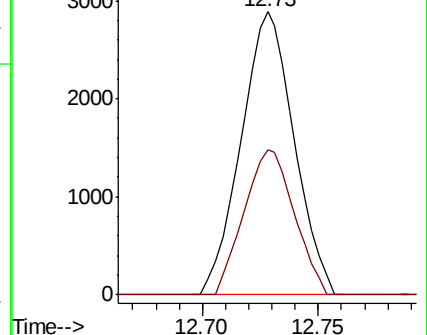
105 100

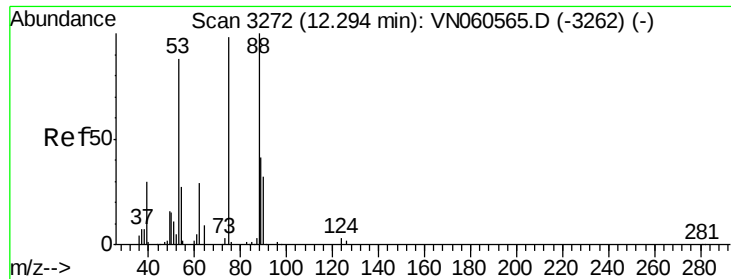
120 48.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060634.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060634.D (-3314) (-)





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.944 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060634.D
 Acq: 19 Mar 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 80615
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

