

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060632.D
 Acq On : 19 Mar 2020 13:29
 Operator : JC/MD
 Sample : PB127661ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:48:54 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	205870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144137	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	133129	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	7.57	113	101755	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	422823	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	158395	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6587	6.580	ug/l	93
18) Methyl Acetate	4.30	43	1786	0.634	ug/l #	54
20) Methylene Chloride	4.52	84	6997	2.841	ug/l	98
25) 2-Butanone	6.79	43	457	0.282	ug/l #	50
31) Cyclohexane	7.64	56	4389	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15919	4.819	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19378	6.545	ug/l #	17
43) Isopropyl Acetate	8.14	43	63513	10.789	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1167	0.444	ug/l #	43
48) Methyl methacrylate	9.16	41	3246	1.239	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5016	1.497	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	26955	6.471	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4405	1.096	ug/l #	42
59) 2-Hexanone	10.75	43	66132	27.407	ug/l #	51
71) Bromoform	12.39	173	376	1.870	ug/l #	1
74) N-amyl acetate	12.02	43	2759	0.552	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	79643	25.607	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3209	0.350	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	79643	65.767	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

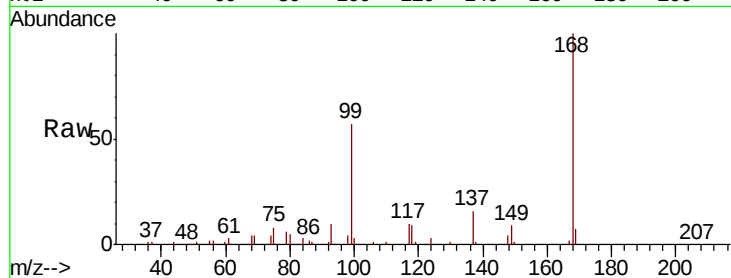
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 205870

Ion Ratio Lower Upper

168 100

99 57.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

80000

60000

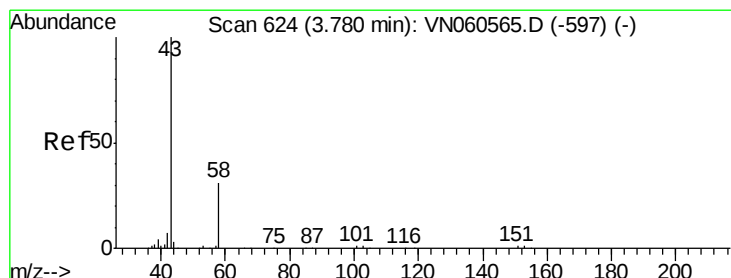
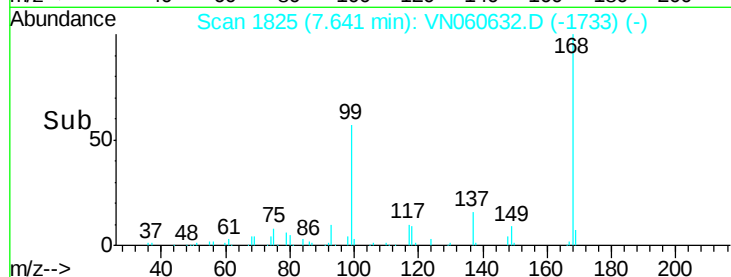
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.580 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060632.D

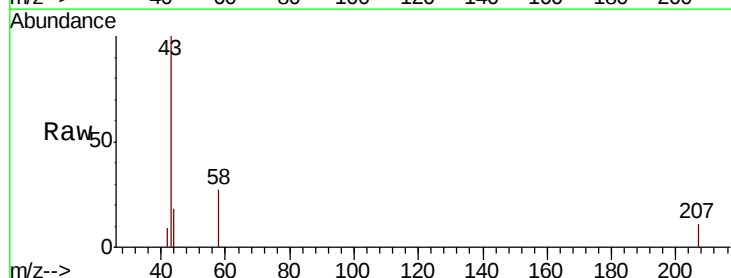
Acq: 19 Mar 2020 13:29

Tgt Ion: 43 Resp: 6587

Ion Ratio Lower Upper

43 100

58 27.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

3.79

2500

2000

1500

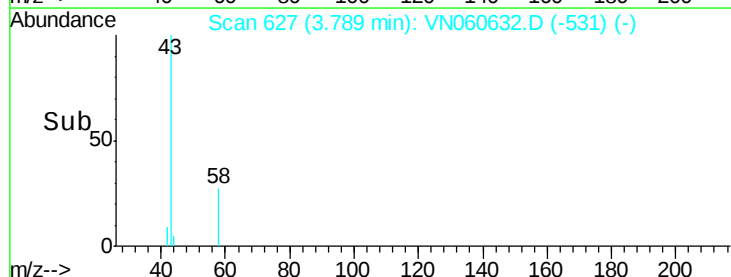
1000

500

0

3.70 3.75 3.80 3.85 3.90

Time-->

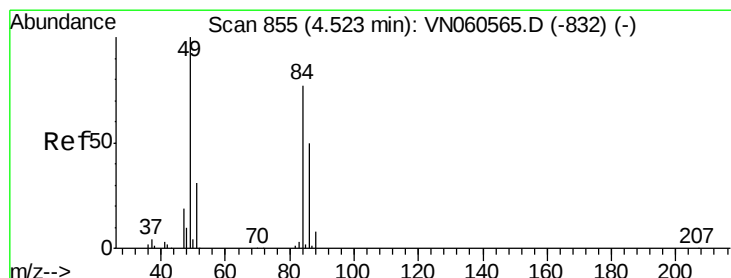
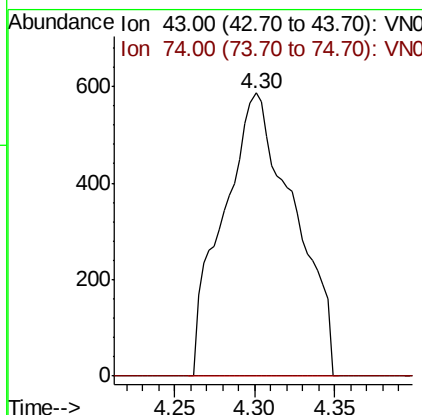
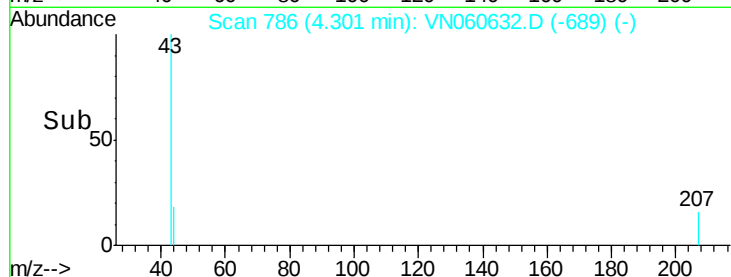
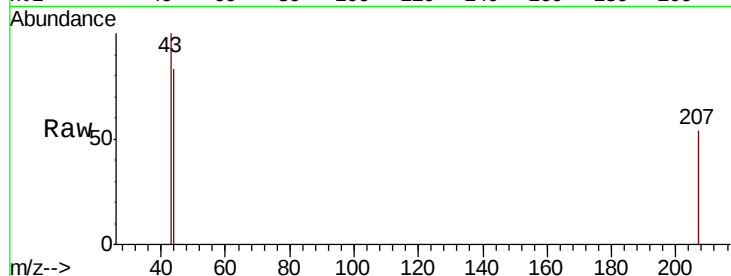




#18
Methyl Acetate
Concen: 0.634 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

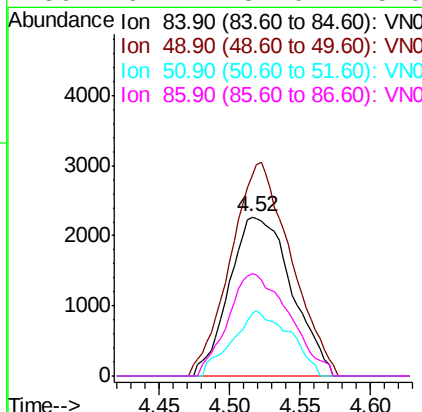
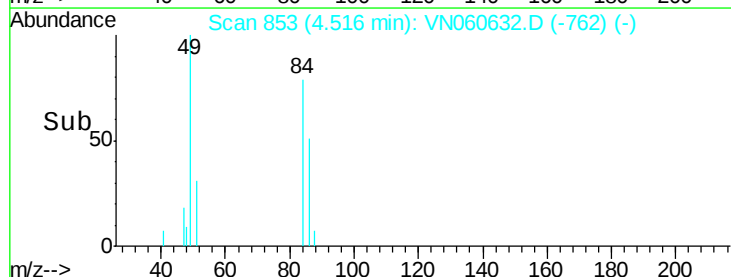
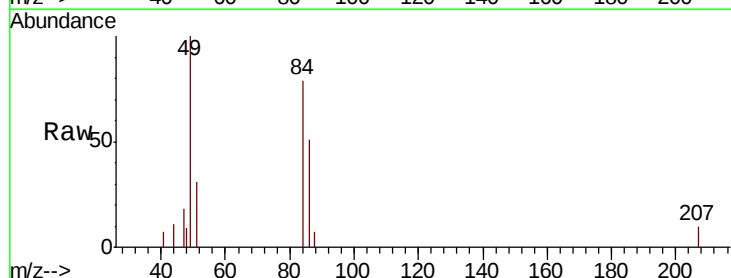
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.841 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

Tgt Ion: 84 Resp: 6997
Ion Ratio Lower Upper
84 100
49 126.4 103.3 154.9
51 39.4 31.6 47.4
86 64.1 52.0 78.0





#25

2-Butanone

Concen: 0.282 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

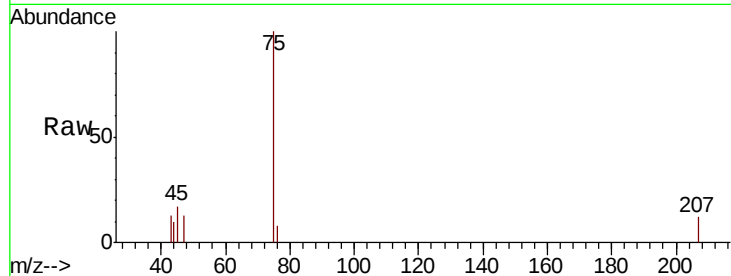
ClientSampleId :

Tot Ion: 43 Resp: 457

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

6.79

300

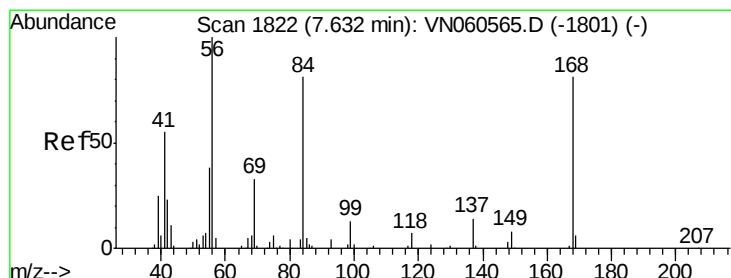
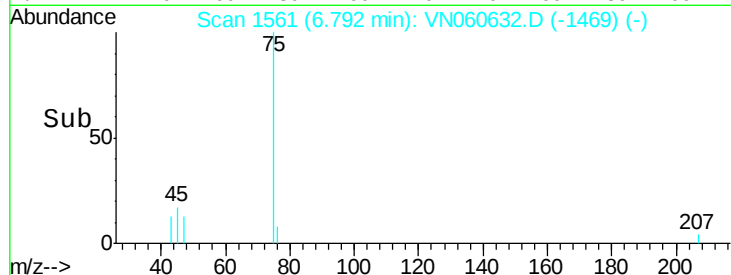
200

100

0

6.76 6.78 6.80

Time-->



#31

Cyclohexane

Concen: 0.964 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

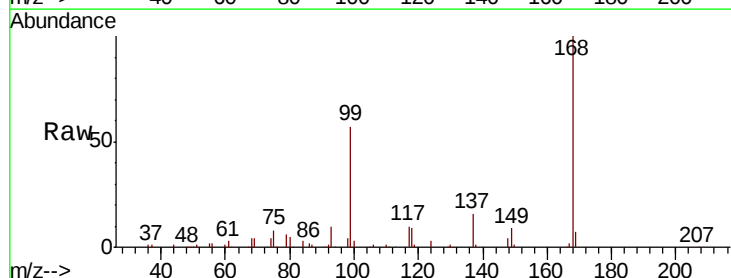
Tgt Ion: 56 Resp: 4389

Ion Ratio Lower Upper

56 100

69 162.3 26.6 40.0#

84 130.5 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

4000

3000

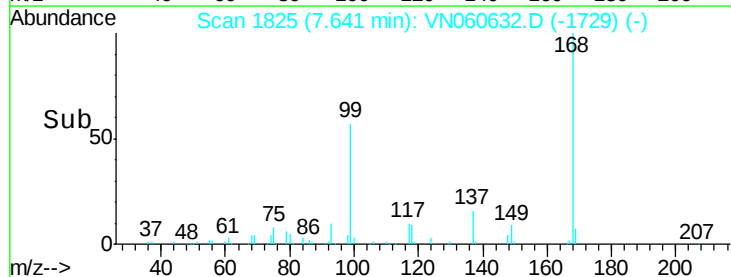
2000

1000

0

7.60 7.65 7.70

Time-->

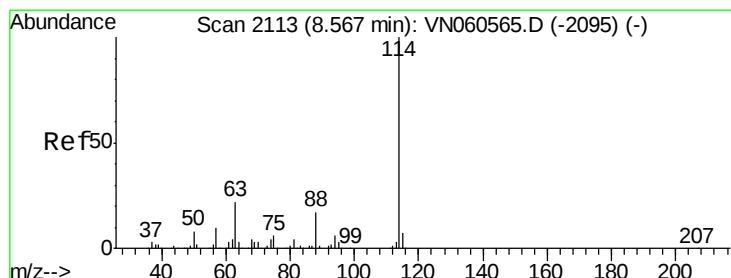
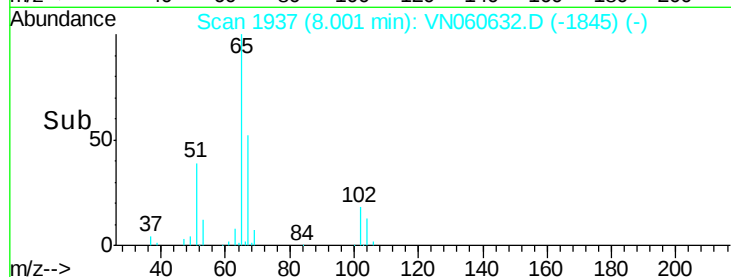
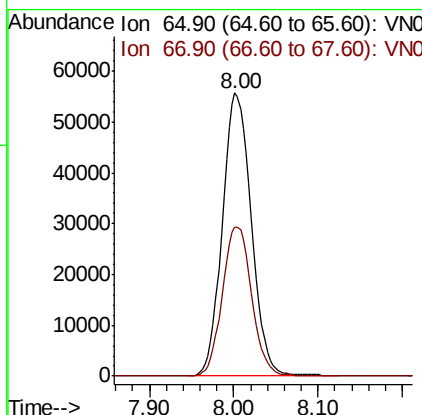
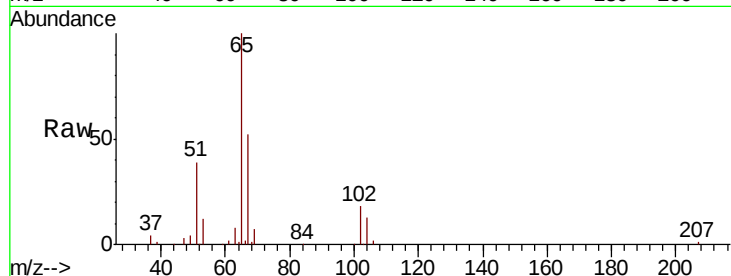




#33
 1,2-Dichloroethane-d4
 Concen: 47.107 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060632.D
 Acq: 19 Mar 2020 13:29

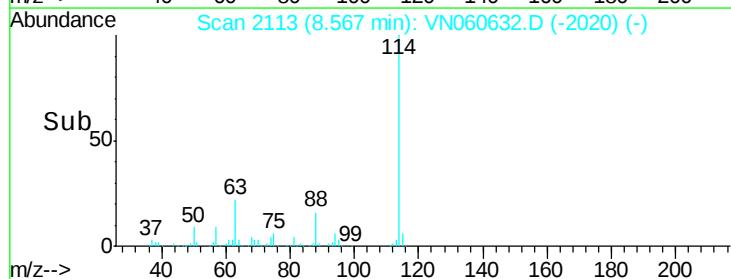
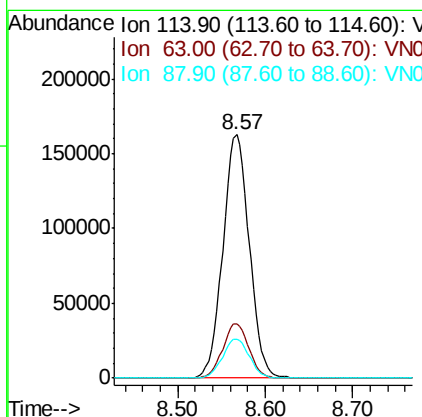
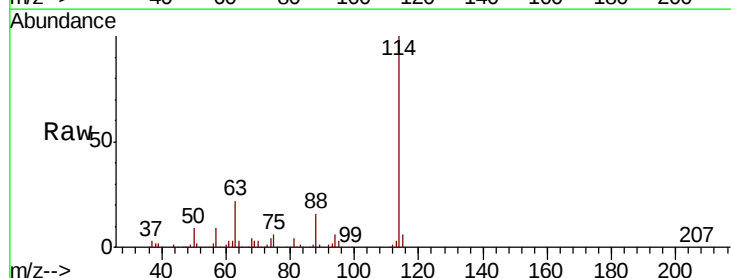
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 133129
 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: VN060632.D
 Acq: 19 Mar 2020 13:29

Tgt Ion: 114 Resp: 341151
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.2 0.0 33.0

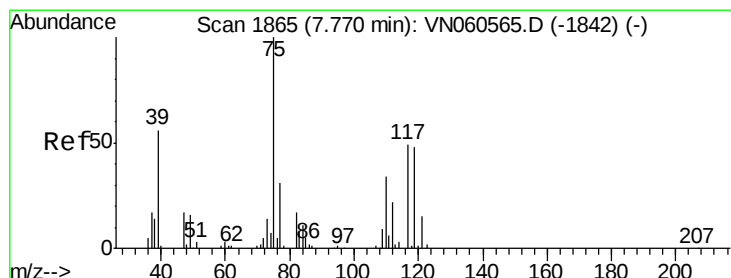
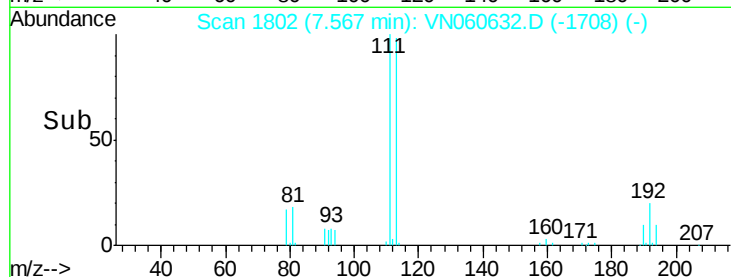
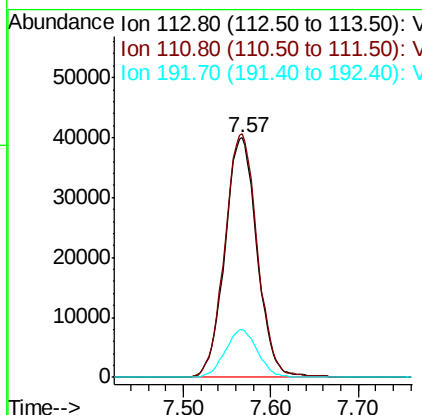
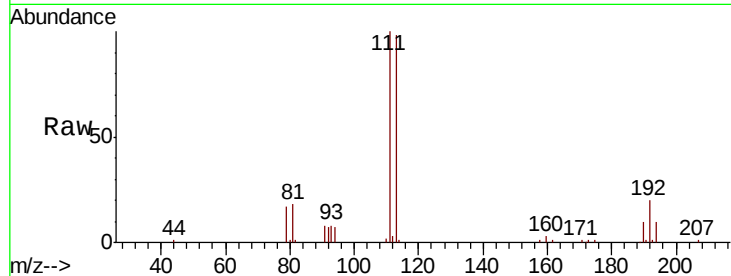




#35
Dibromofluoromethane
Concen: 49.328 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

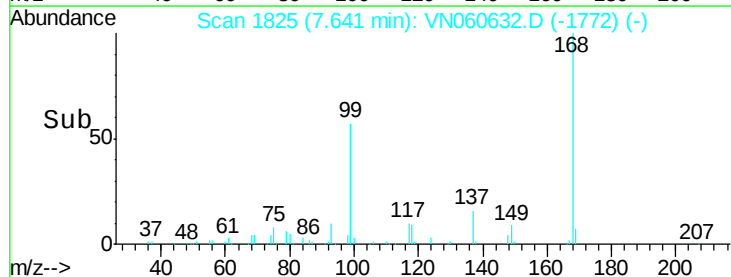
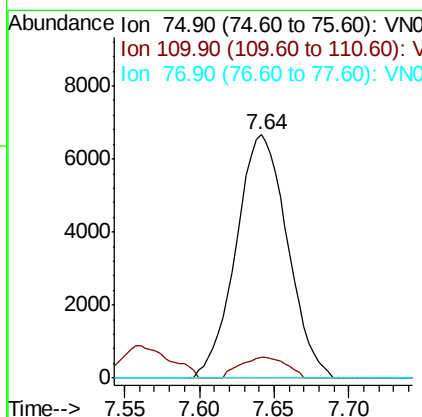
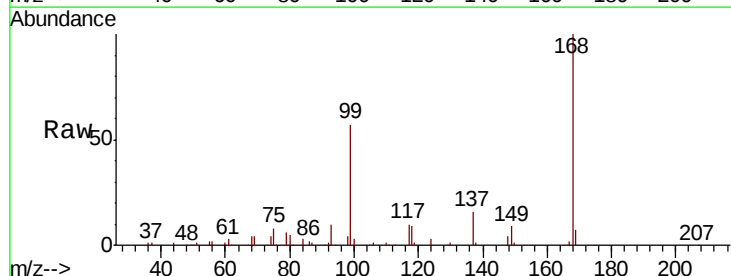
Instrument :
MSVOA_N
ClientSampleId :

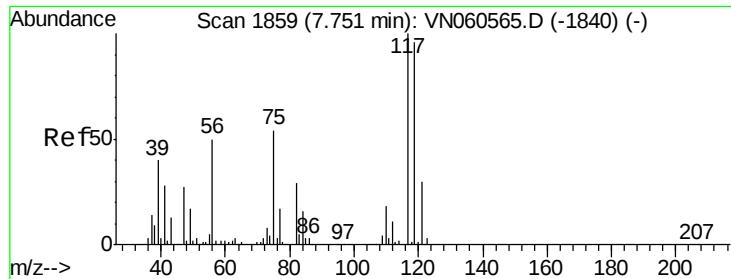
Tot Ion:113 Resp: 101755
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 19.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

Tgt Ion: 75 Resp: 15919
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.6#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.545 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

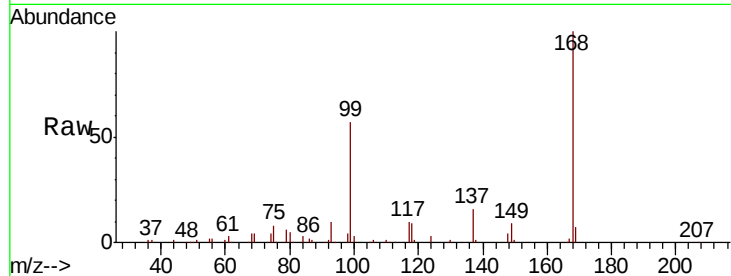
Tot Ion:117 Resp: 19378

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

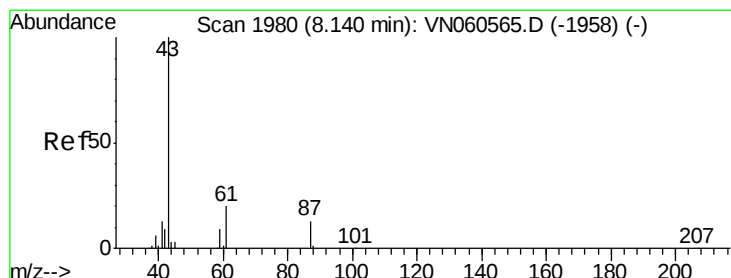
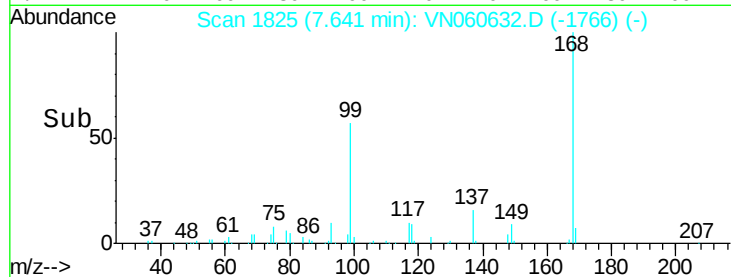
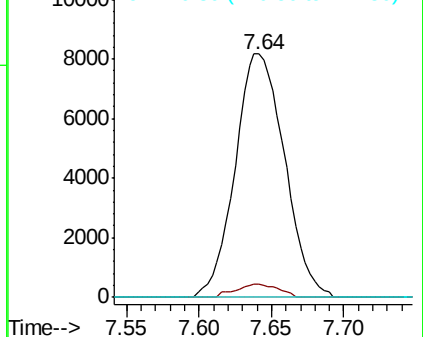
121 0.0 23.7 35.5#



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: 10.789 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

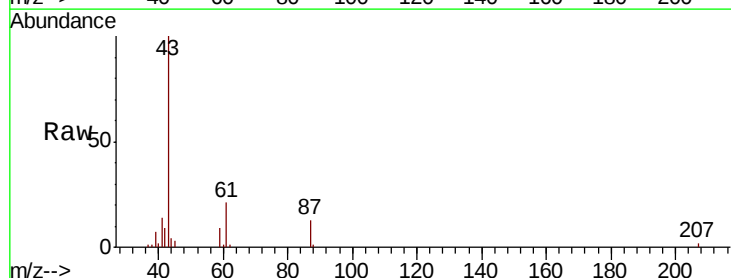
Tgt Ion: 43 Resp: 63513

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

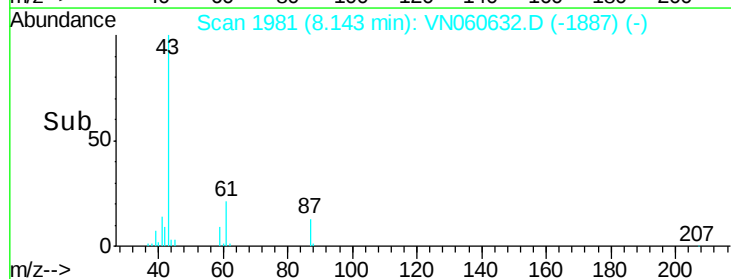
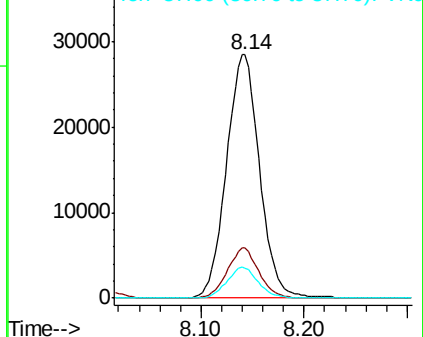
87 11.9 9.8 14.8

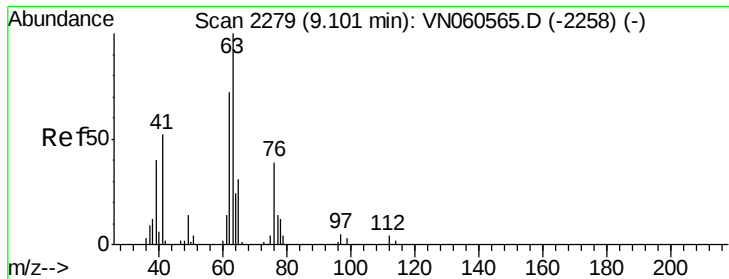


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.444 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

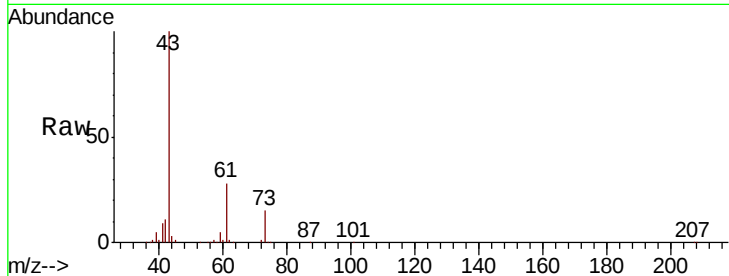
ClientSampleId :

Tot Ion: 63 Resp: 1167

Ion Ratio Lower Upper

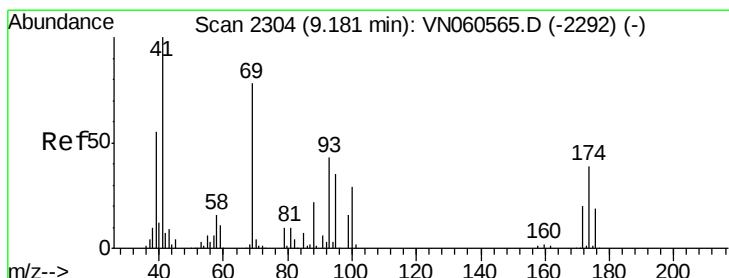
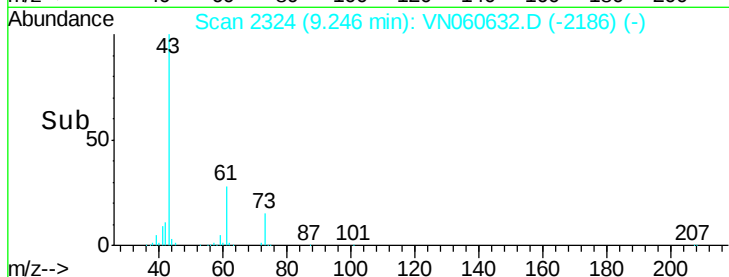
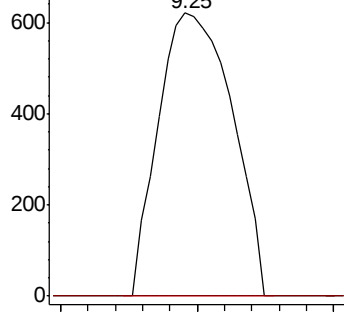
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.239 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

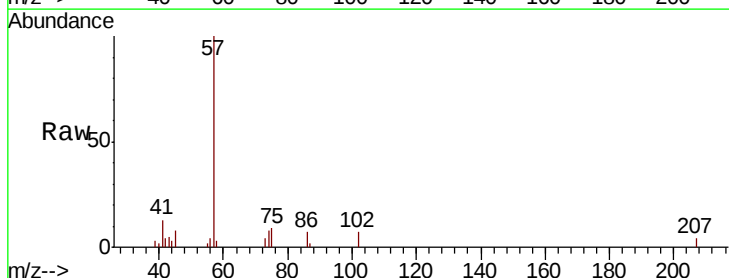
Tgt Ion: 41 Resp: 3246

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

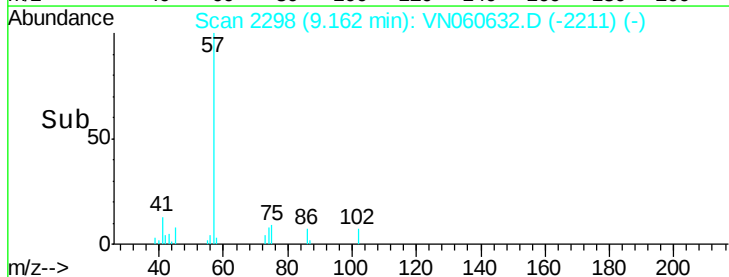
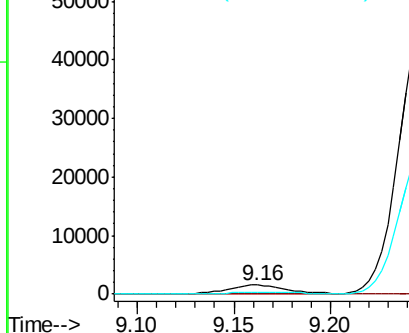
39 0.0 44.0 66.0#

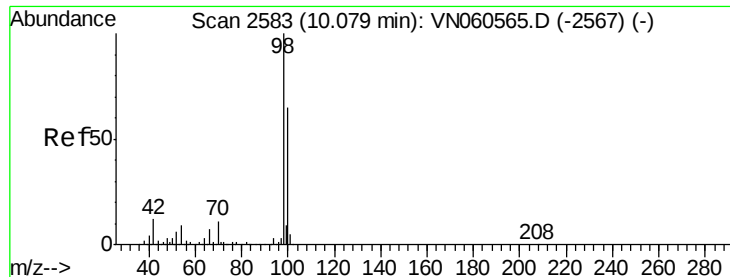


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 50.182 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

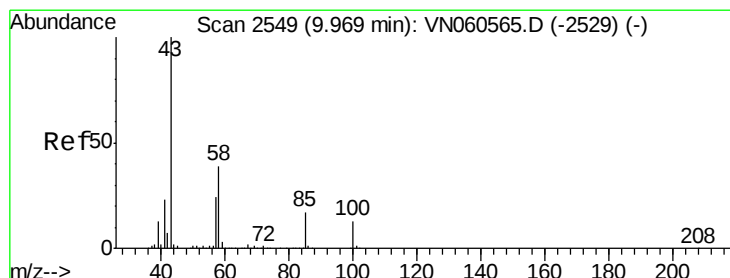
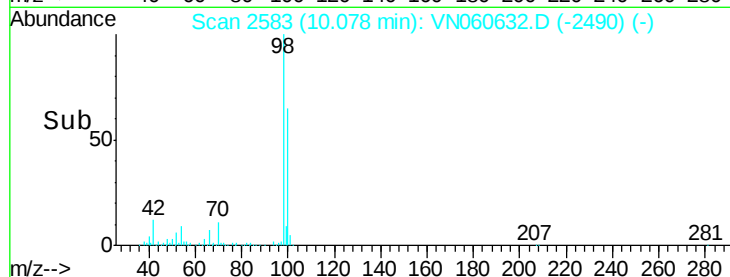
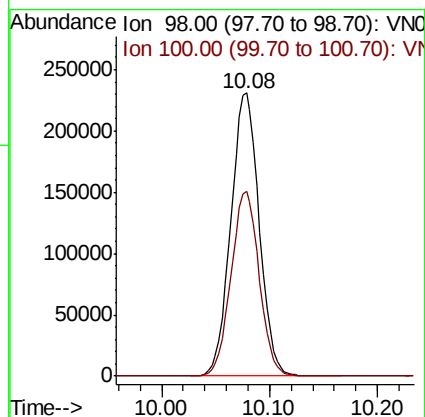
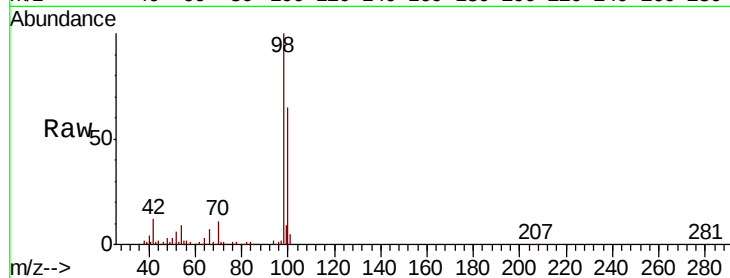
ClientSampled :

Tot Ion: 98 Resp: 422823

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.497 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060632.D

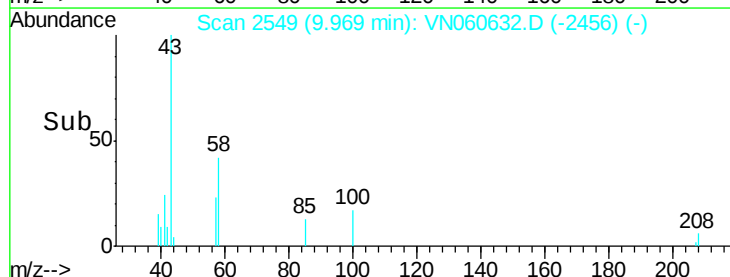
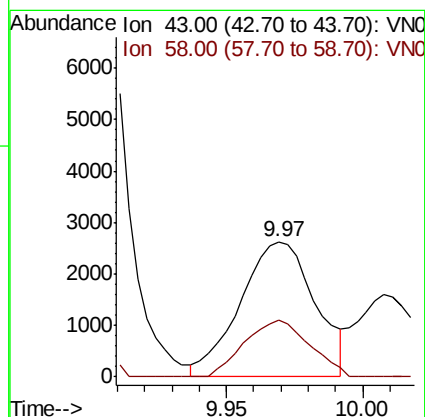
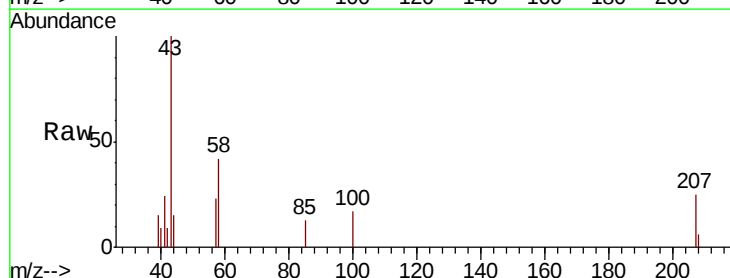
Acq: 19 Mar 2020 13:29

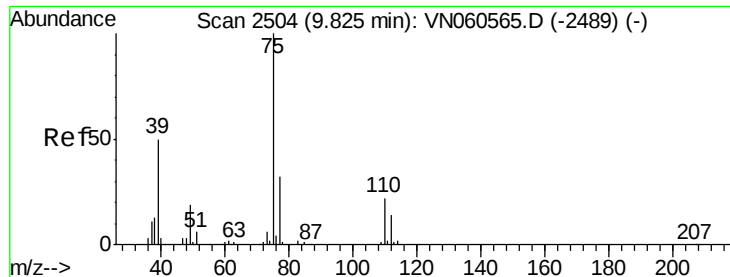
Tgt Ion: 43 Resp: 5016

Ion Ratio Lower Upper

43 100

58 36.4 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.471 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

ClientSampled :

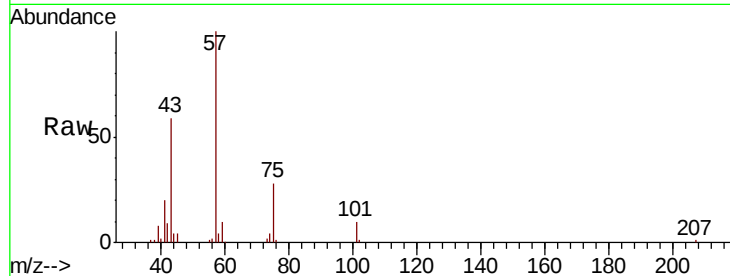
Tot Ion: 75 Resp: 26955

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

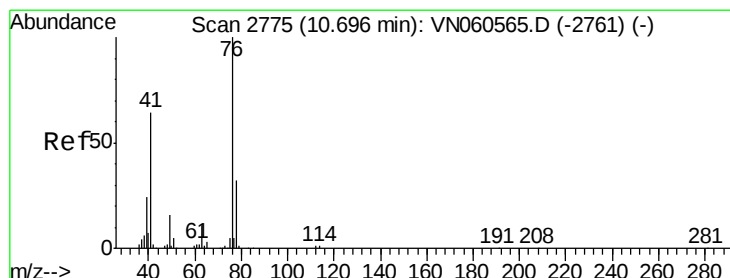
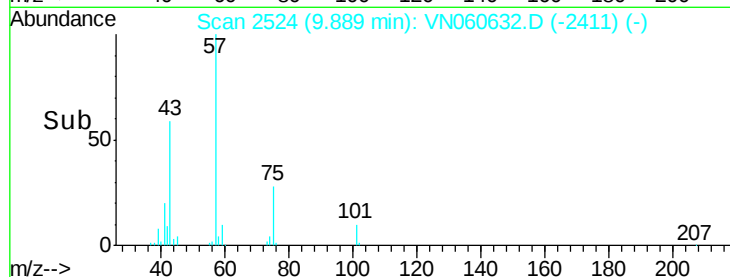
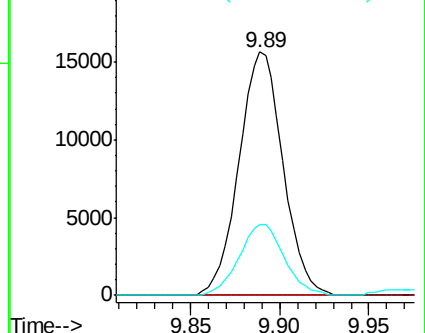
39 29.2 40.2 60.4#



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: 1.096 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060632.D

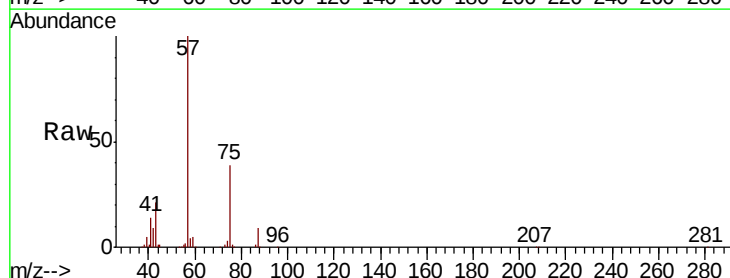
Acq: 19 Mar 2020 13:29

Tgt Ion: 76 Resp: 4405

Ion Ratio Lower Upper

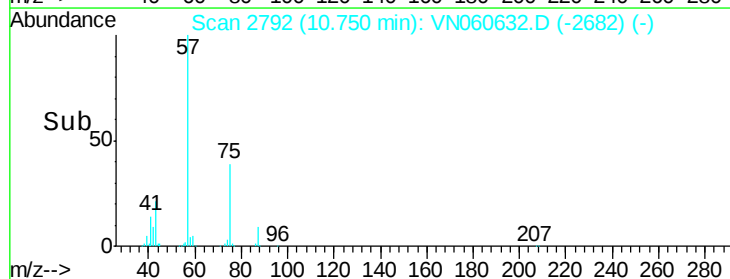
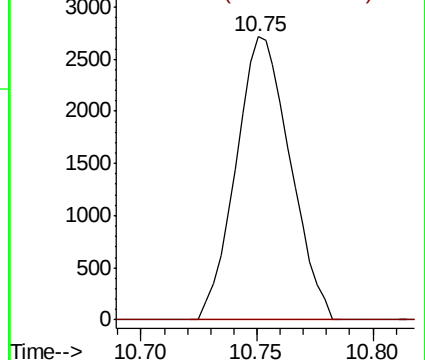
76 100

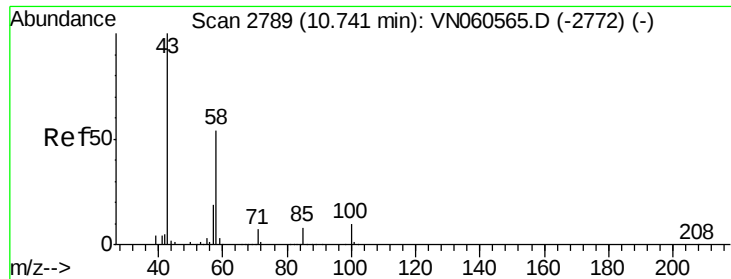
78 0.0 25.8 38.6#



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

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

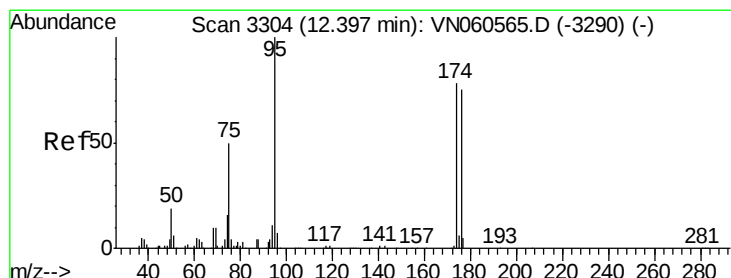
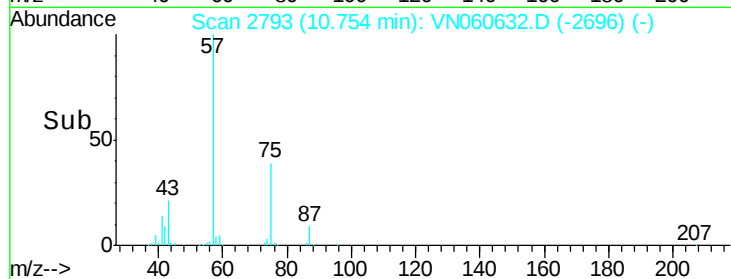
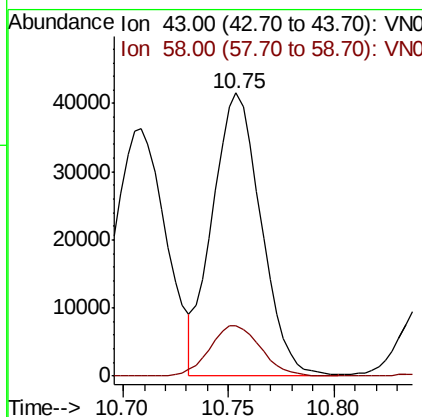
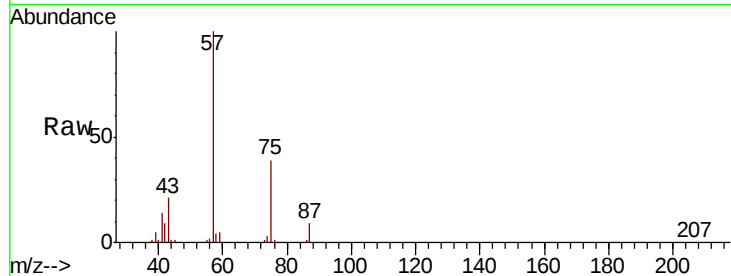




#59
2-Hexanone
Concen: 27.407 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

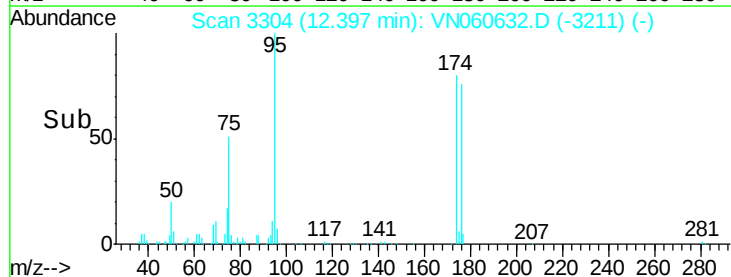
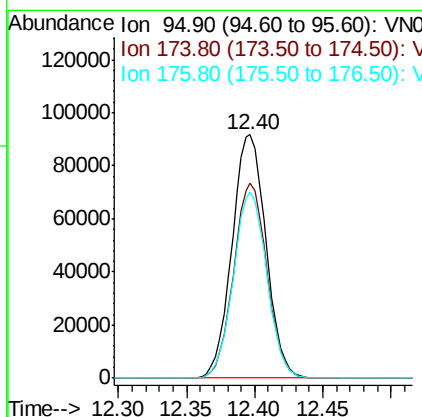
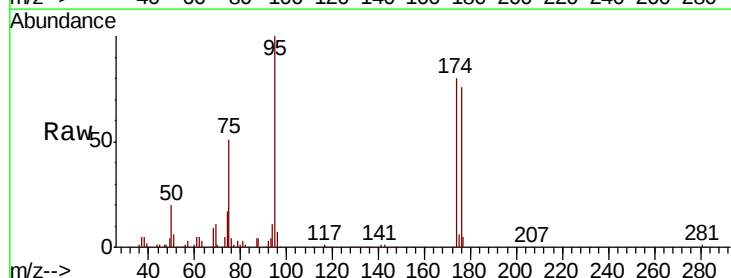
Instrument :
MSVOA_N
ClientSampleId :

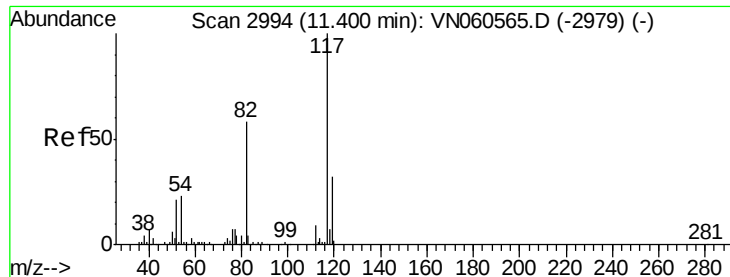
Tot Ion: 43 Resp: 66132
Ion Ratio Lower Upper
43 100
58 18.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.294 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

Tgt Ion: 95 Resp: 158395
Ion Ratio Lower Upper
95 100
174 78.4 0.0 157.6
176 75.3 0.0 150.6

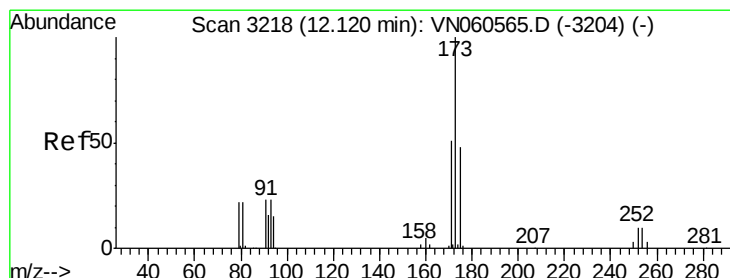
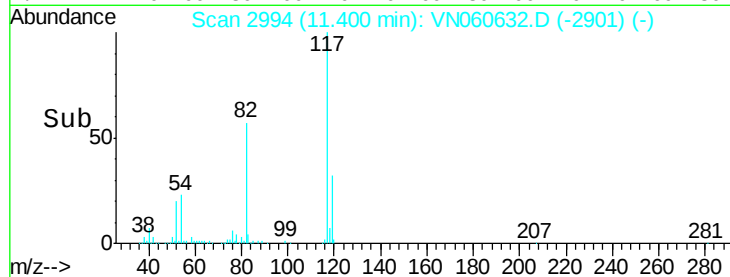
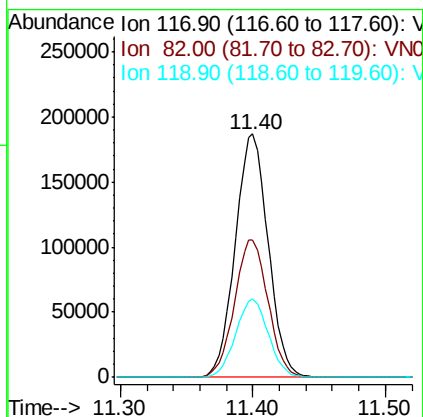
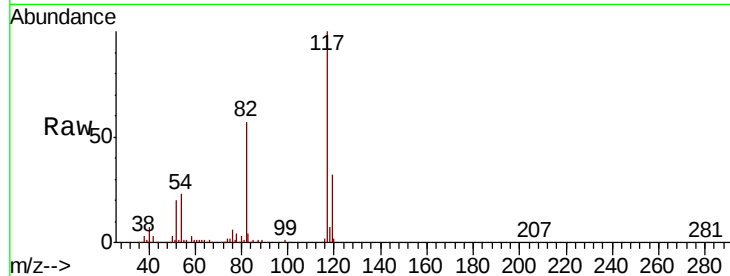




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

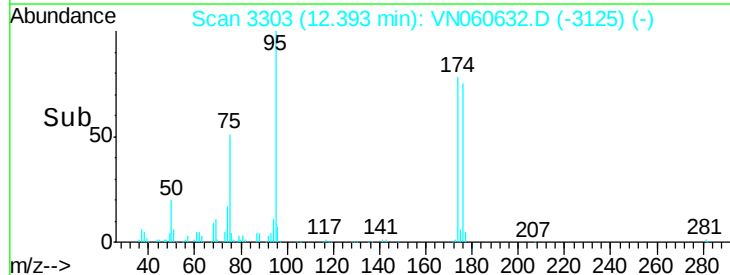
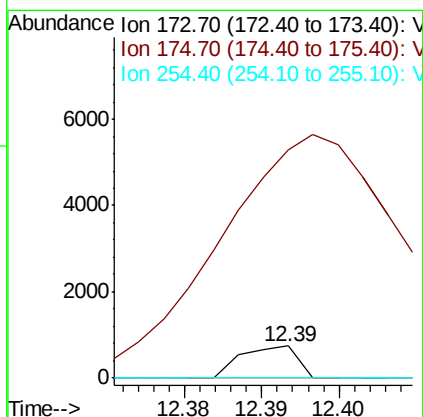
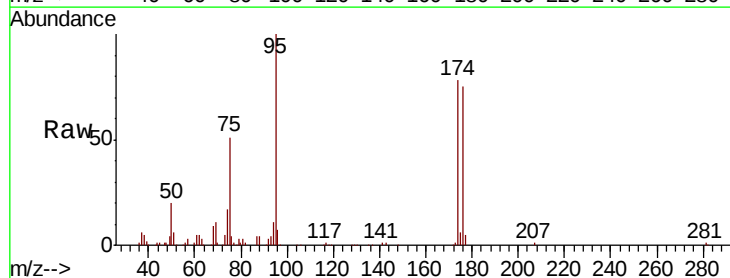
Instrument :
MSVOA_N
ClientSampleId :

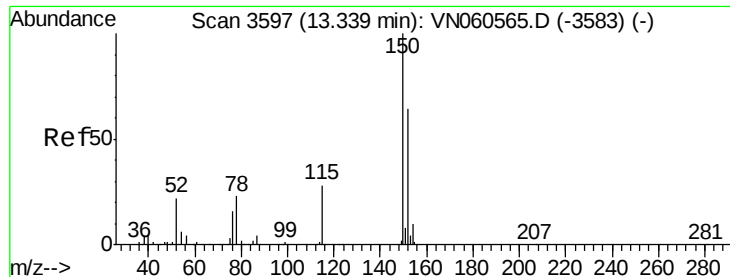
Tot Ion:117 Resp: 321881
Ion Ratio Lower Upper
117 100
82 56.6 46.7 70.1
119 32.1 25.5 38.3



#71
Bromoform
Concen: 1.870 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

Tgt Ion:173 Resp: 376
Ion Ratio Lower Upper
173 100
175 2118.6 24.1 72.4#
254 0.0 0.0 0.0



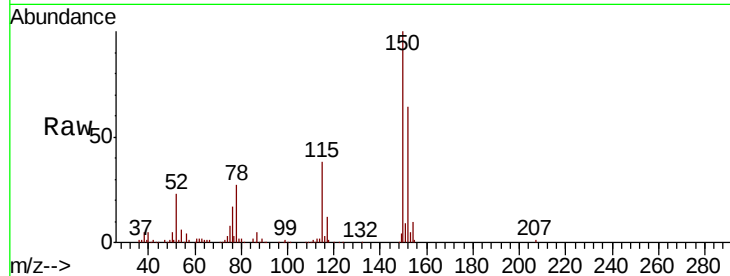


#72

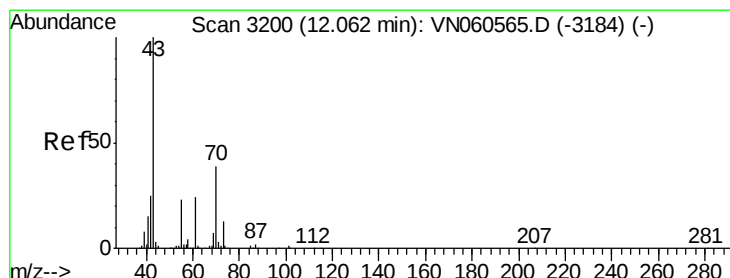
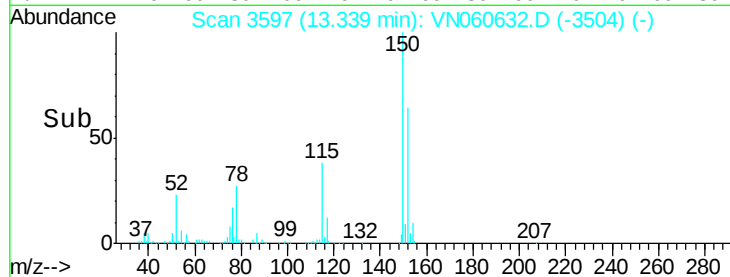
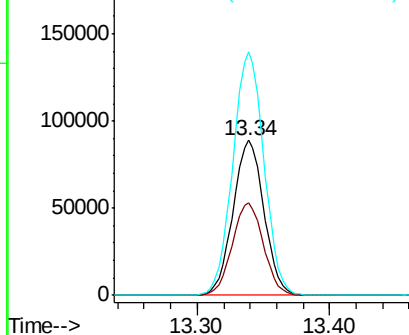
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.2	90.6
150	158.1	0.0	350.2



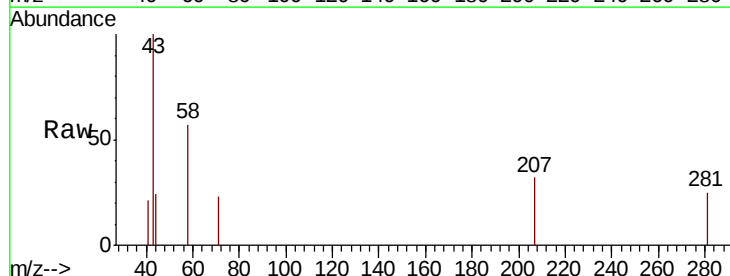
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



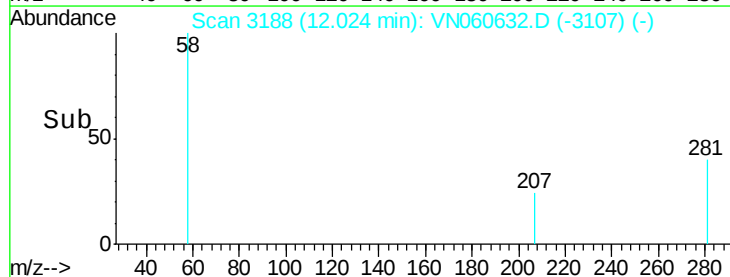
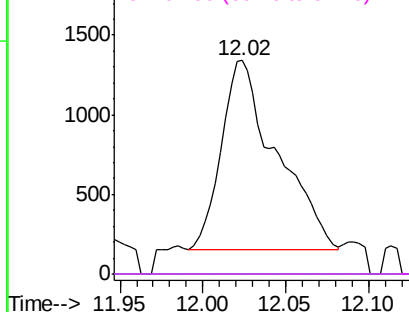
#74

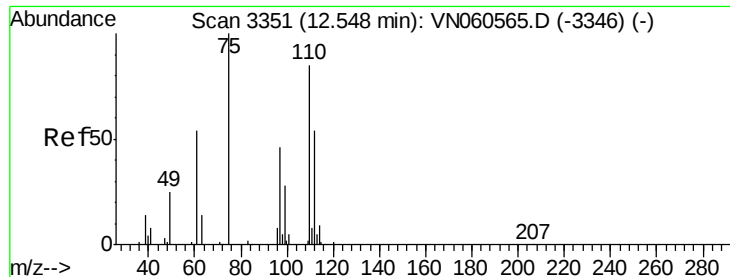
N-ethyl acetate
Concen: 0.552 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060632.D
Acq: 19 Mar 2020 13:29

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#



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: 25.607 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060632.D

Acq: 19 Mar 2020 13:29

Instrument :

MSVOA_N

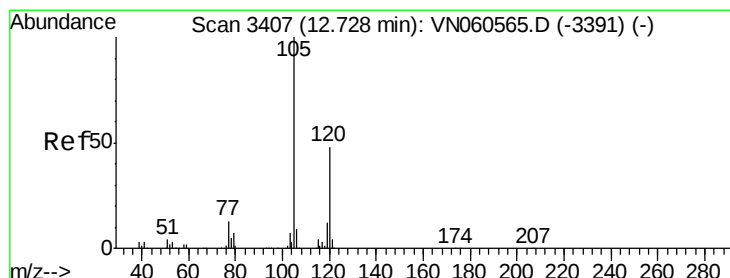
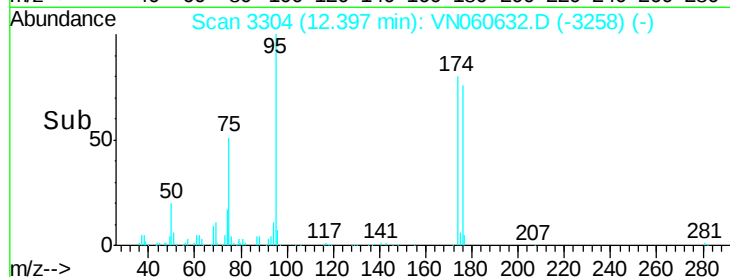
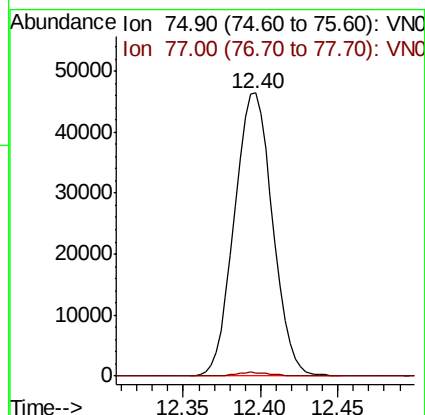
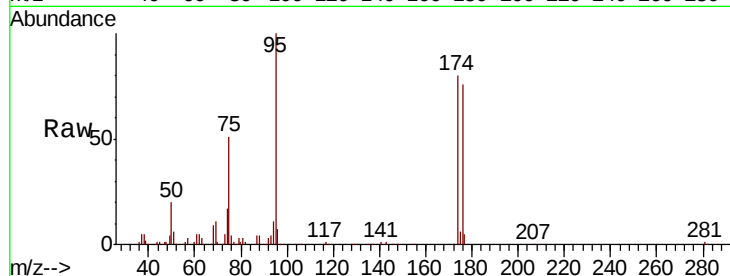
ClientSampled :

Tot Ion: 75 Resp: 79643

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.350 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060632.D

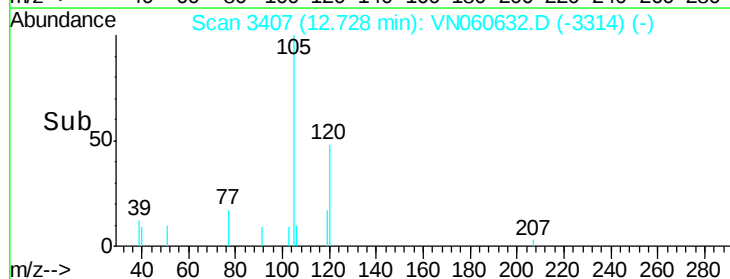
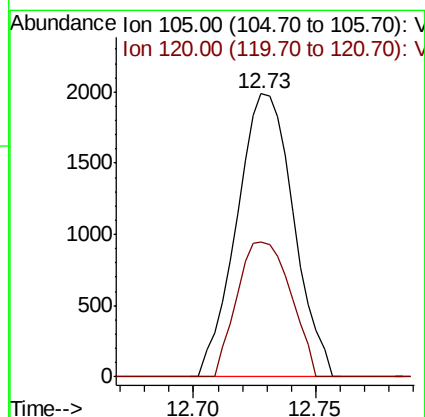
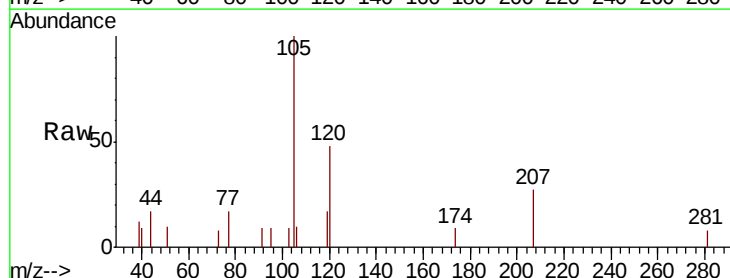
Acq: 19 Mar 2020 13:29

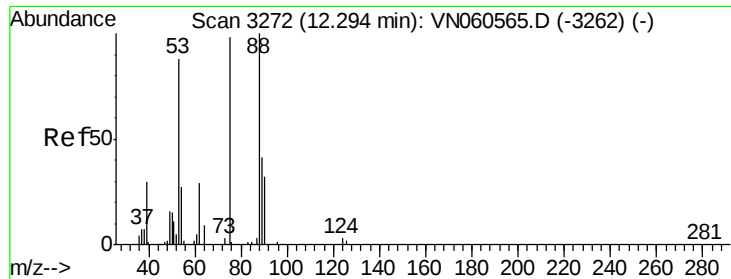
Tgt Ion: 105 Resp: 3209

Ion Ratio Lower Upper

105 100

120 45.1 23.9 71.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.767 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060632.D
 Acq: 19 Mar 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 79643
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

