

Data File : VN057390.D
Acq On : 19 Aug 2019 11:05
Operator : JC/SP
Sample : PB122334TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB122334TB

Quant Time: Aug 20 07:09:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1068745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1476041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	328540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	484976	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	
35) Dibromofluoromethane	7.58	113	446240	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
50) Toluene-d8	10.08	98	1698343	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	452993	36.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.44%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.72	59	5879	3.559	ug/l #	73
16) Acetone	3.81	43	10621	2.635	ug/l	93
18) Methyl Acetate	4.32	43	22122	Below Cal		97
20) Methylene Chloride	4.54	84	5664	0.502	ug/l	94
31) Cyclohexane	7.66	56	14598	0.922	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	62949	4.830	ug/l #	48
38) Carbon Tetrachloride	7.66	117	87581	6.468	ug/l #	16
43) Isopropyl Acetate	8.16	43	147242	6.563	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	3774	0.367	ug/l #	44
48) Methyl methacrylate	9.17	41	7680	0.874	ug/l #	11
49) 1,4-Dioxane	9.26	88	272	1.471	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	10392	0.944	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	77273	4.770	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	11900	0.730	ug/l #	43
59) 2-Hexanone	10.76	43	153338	19.369	ug/l #	51
71) Bromoform	12.40	173	3489	0.460	ug/l #	1
73) Isopropylbenzene	12.25	105	3235	Below Cal		99
74) N-amyl acetate	12.03	43	3049	0.320	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.50	83	332	Below Cal	#	61
76) 1,2,3-Trichloropropane	12.40	75	209409	31.688	ug/l #	100
77) Bromobenzene	12.53	156	1591	Below Cal		71
79) 2-Chlorotoluene	12.67	91	3442	Below Cal		98
80) 1,3,5-Trimethylbenzene	12.73	105	18687	Below Cal		97
81) trans-1,4-Dichloro-2-buten	12.40	75	209409	77.722	ug/l #	15
82) 4-Chlorotoluene	12.77	91	4553	0.243	ug/l	91
83) tert-Butylbenzene	12.99	119	2587	Below Cal		82
85) sec-Butylbenzene	13.17	105	4244	Below Cal		98
87) 1,3-Dichlorobenzene	13.28	146	3468	0.301	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	3468	0.317	ug/l	94
89) n-Butylbenzene	13.62	91	4825	0.279	ug/l	87
90) Hexachloroethane	13.88	117	169	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.66	146	3828	0.357	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	3000	5.980	ug/l	96
94) Hexachlorobutadiene	15.01	225	1578	Below Cal		97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081919\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	6163	Below Cal	#	94
96) 1,2,3-Trichlorobenzene	15.29	180	3819	Below Cal		98

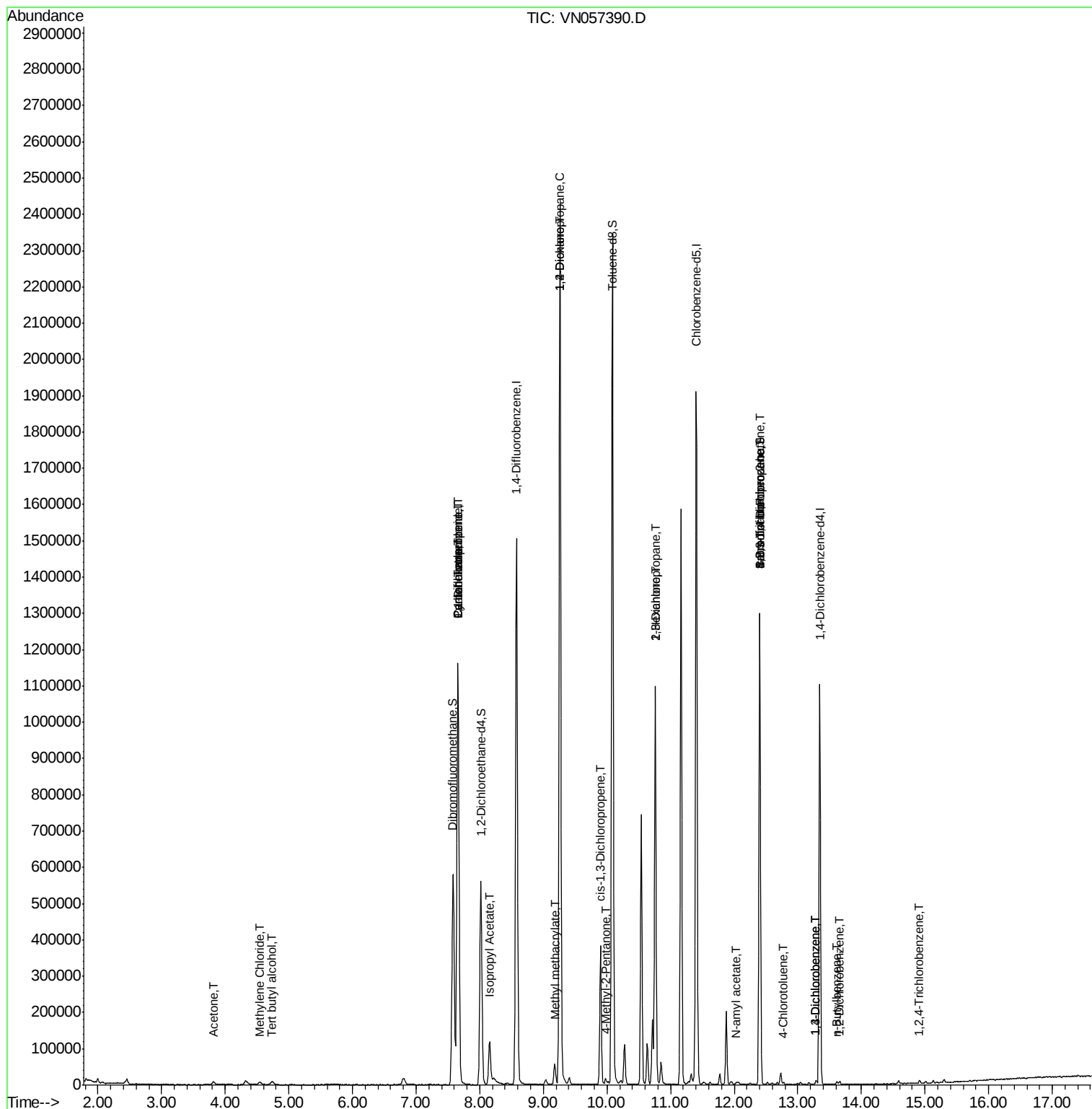
(#) = qualifier out of range (m) = manual integration (+) = signals summed

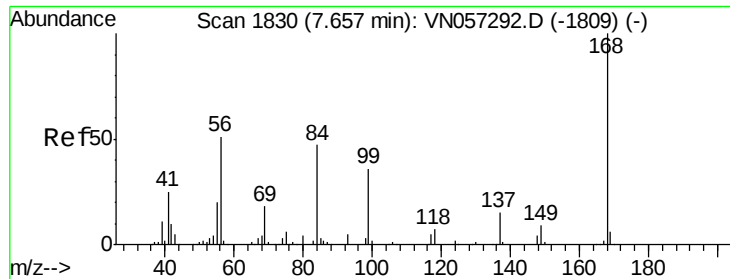
Data File : VN057390.D

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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

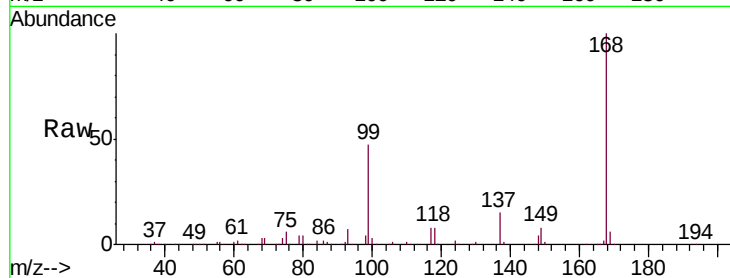
PB122334TB

Tgt Ion:168 Resp: 1068745

Ion Ratio Lower Upper

168 100

99 47.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

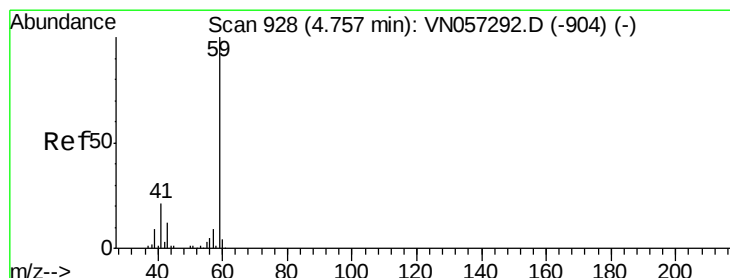
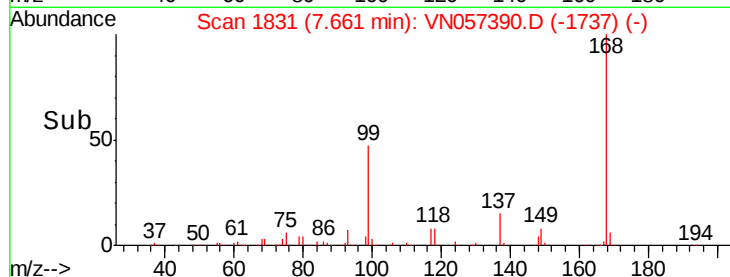
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.559 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN057390.D

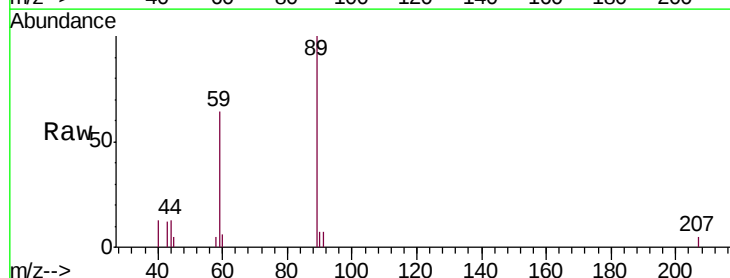
Acq: 19 Aug 2019 11:05

Tgt Ion: 59 Resp: 5879

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

2500

2000

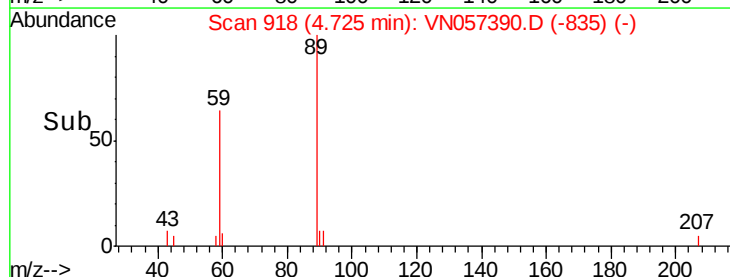
1500

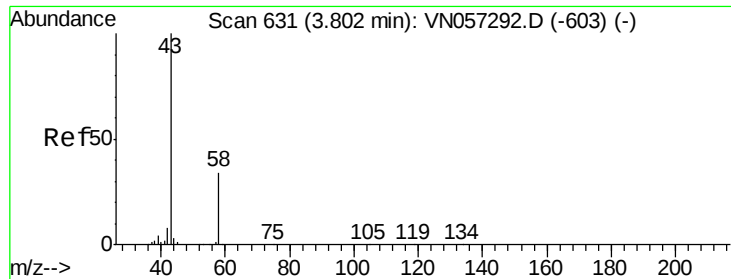
1000

500

0

Time-->





#16

Acetone

Concen: 2.635 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

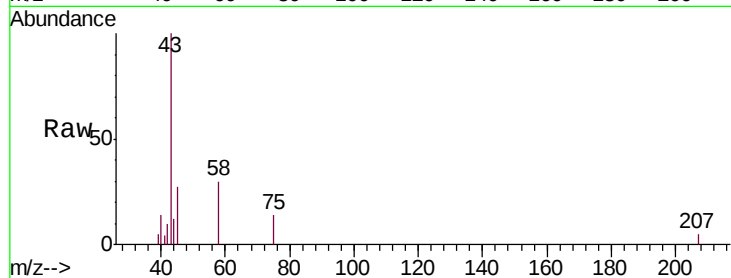
PB122334TB

Tgt Ion: 43 Resp: 10621

Ion Ratio Lower Upper

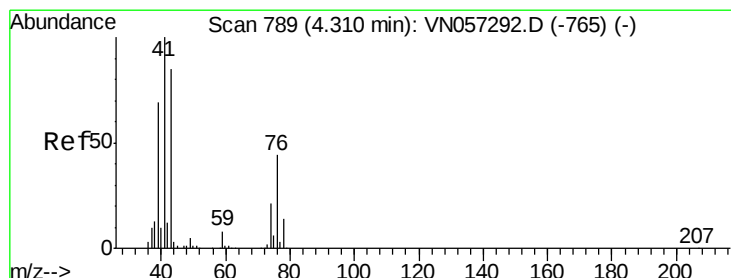
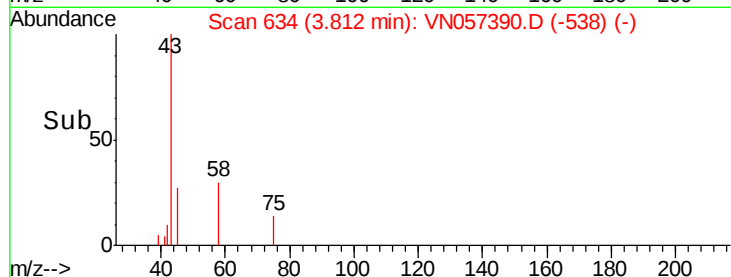
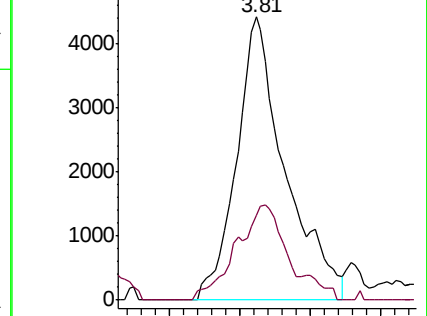
43 100

58 30.0 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-603) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057390.D

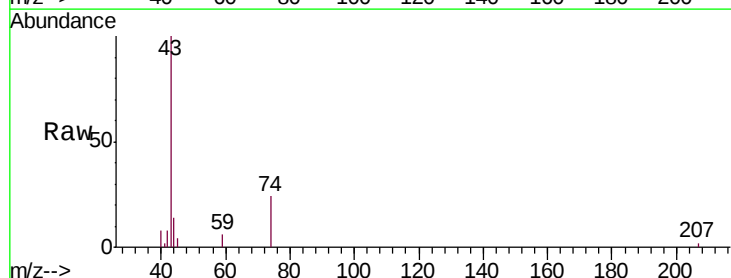
Acq: 19 Aug 2019 11:05

Tgt Ion: 43 Resp: 22122

Ion Ratio Lower Upper

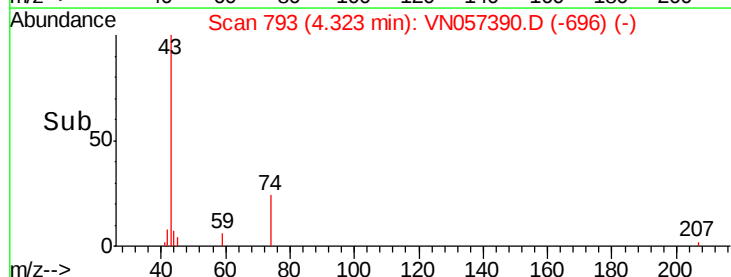
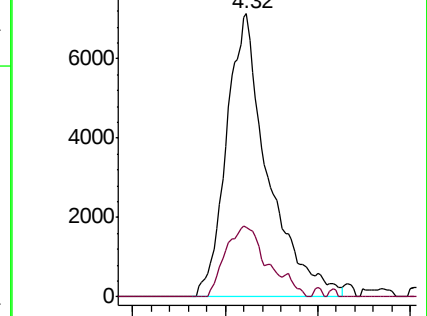
43 100

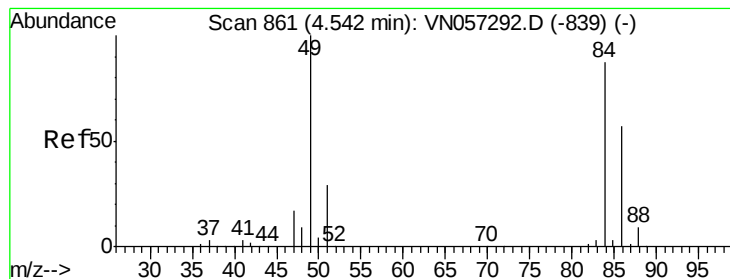
74 23.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN057292.D (-765) (-)





#20

Methylene Chloride

Concen: 0.502 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

Tgt Ion: 84 Resp: 5664

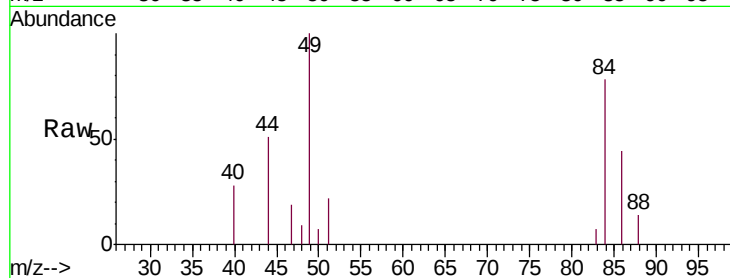
Ion Ratio Lower Upper

84 100

49 117.4 92.0 138.0

51 28.1 27.1 40.7

86 56.0 52.2 78.2

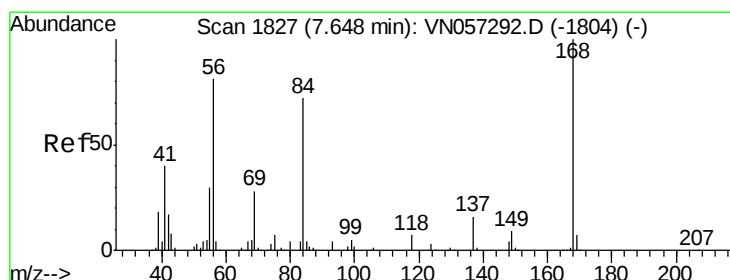
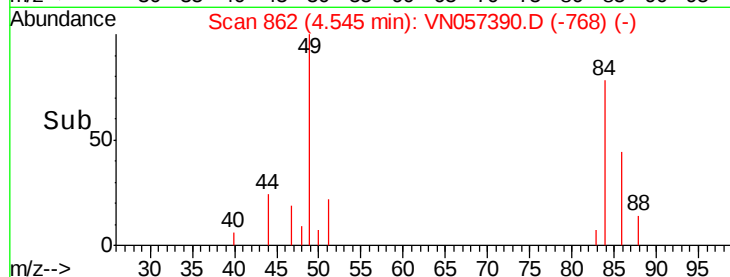
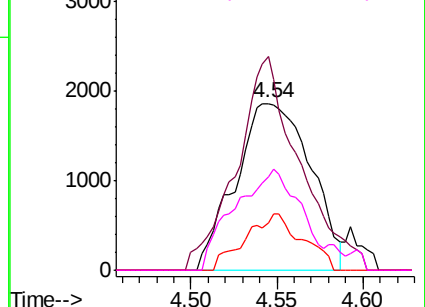


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 0.922 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

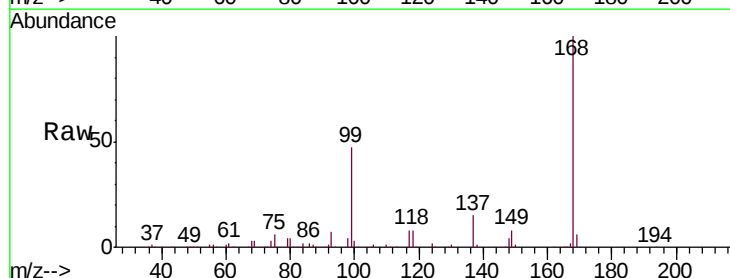
Tgt Ion: 56 Resp: 14598

Ion Ratio Lower Upper

56 100

69 216.8 27.3 40.9#

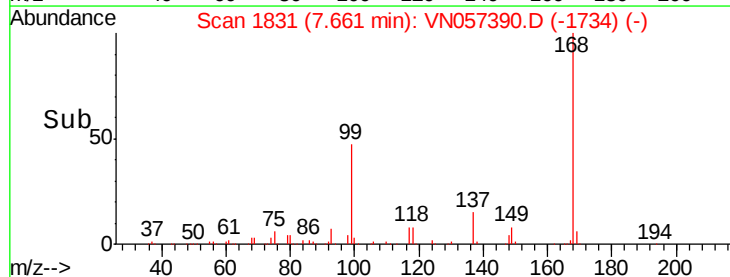
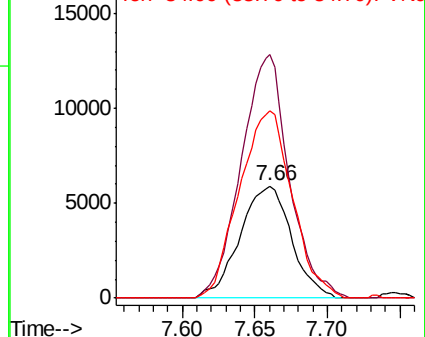
84 166.5 71.0 106.6#

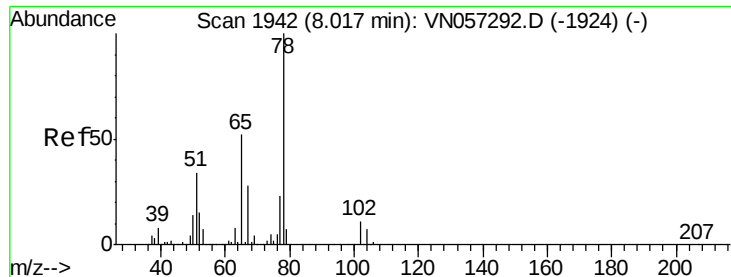


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

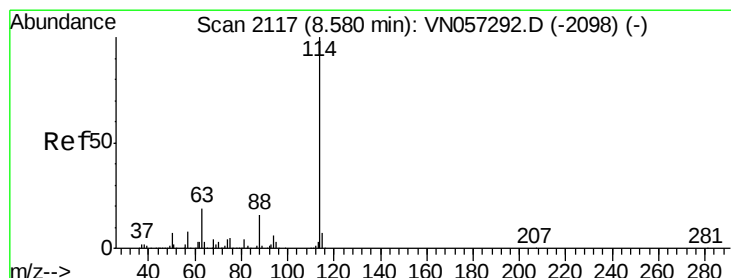
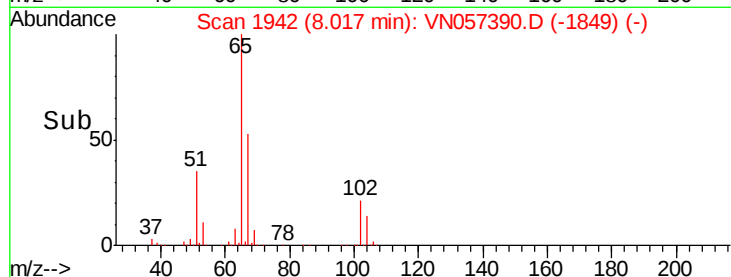
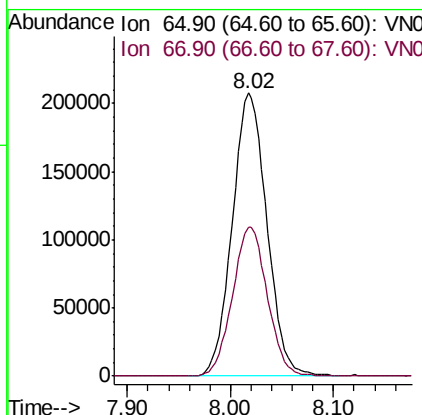
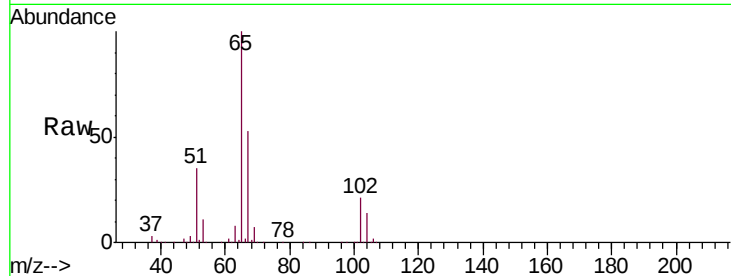




#33
 1,2-Dichloroethane-d4
 Concen: 41.742 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

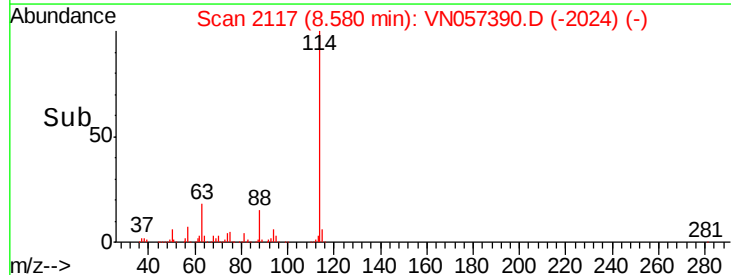
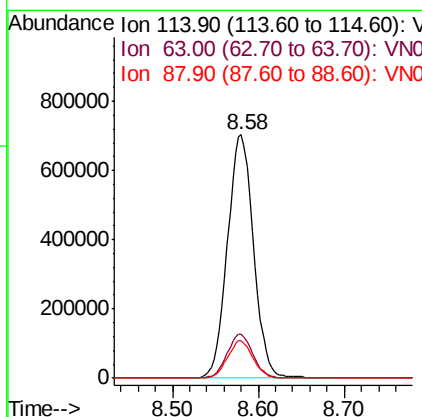
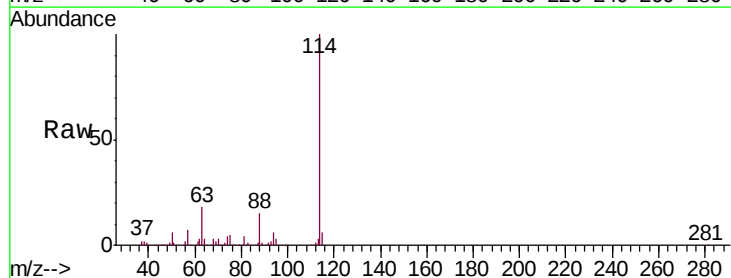
Instrument :
 MSVOA_N
 ClientSampleId :
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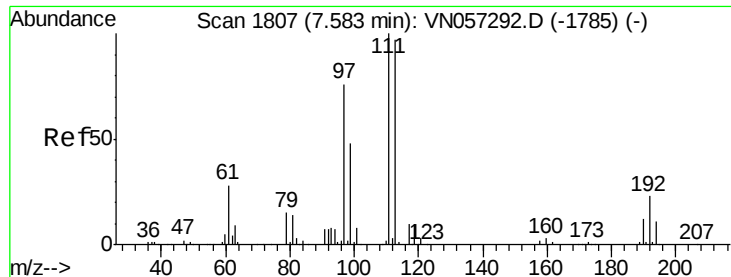
Tgt Ion: 65 Resp: 484976
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion: 114 Resp: 1476041
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.8
 88 15.2 0.0 31.4

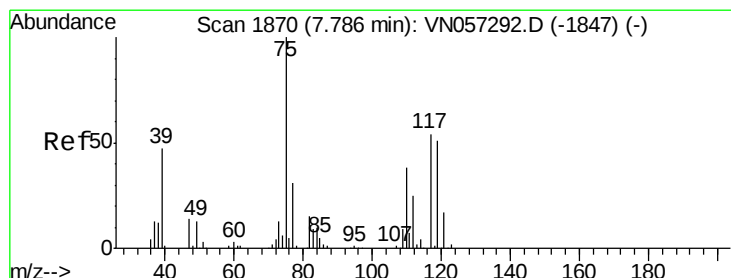
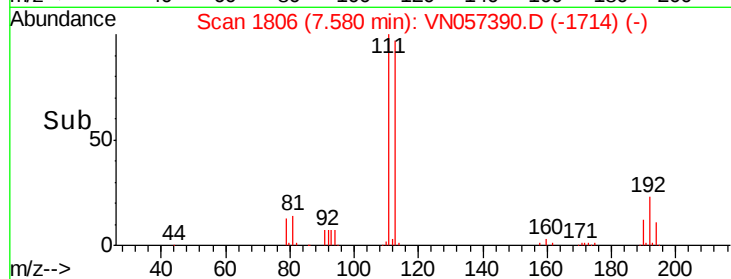
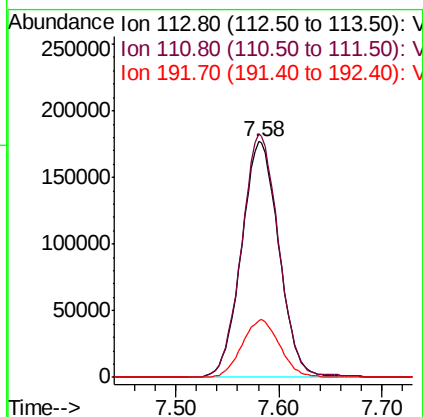
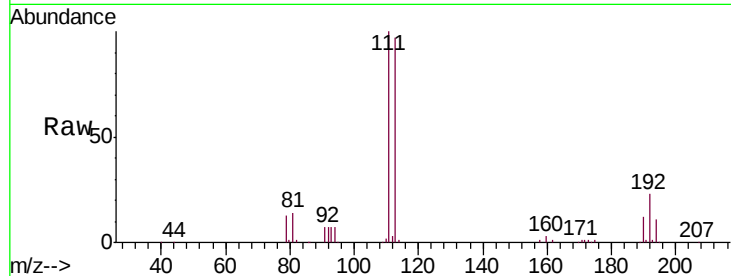




#35
 Dibromofluoromethane
 Concen: 46.119 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

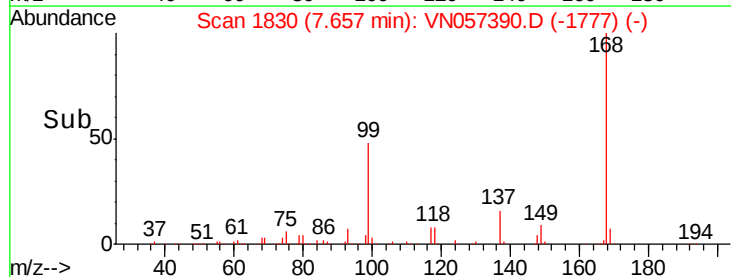
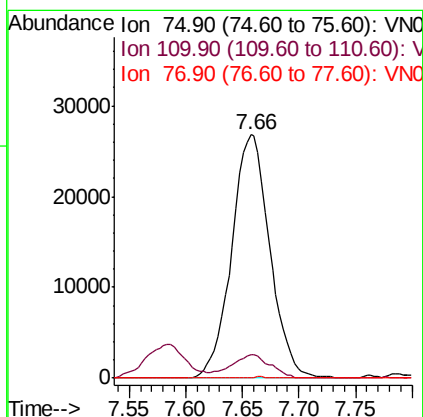
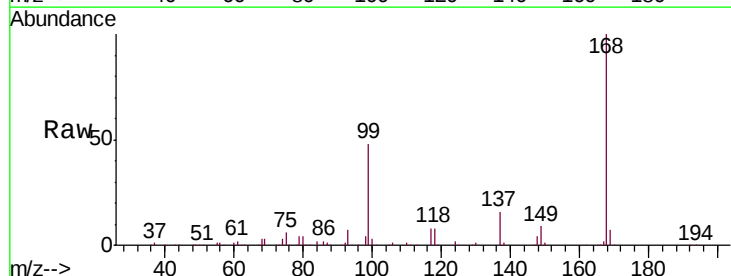
Instrument :
 MSVOA_N
 ClientSampleId :
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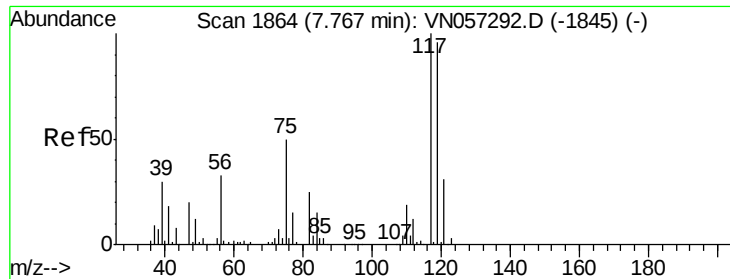
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.1	123.1
192	24.6	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.5	58.5#
77	0.1	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.468 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

PB122334TB

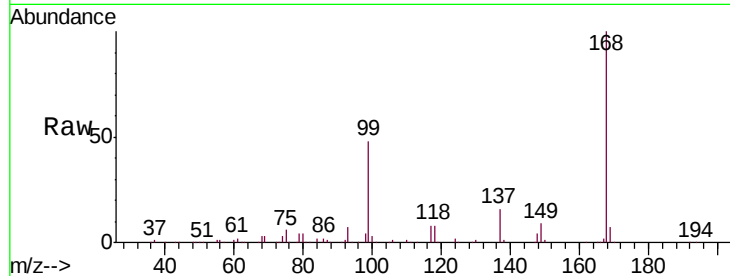
Tgt Ion:117 Resp: 87581

Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

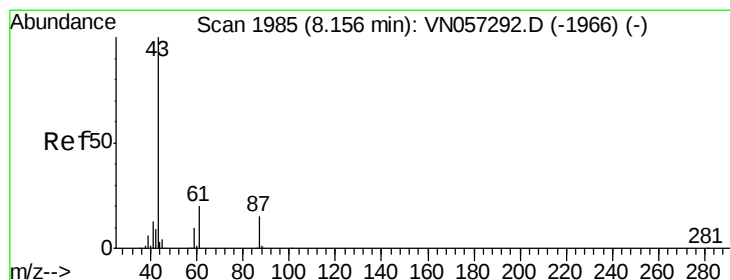
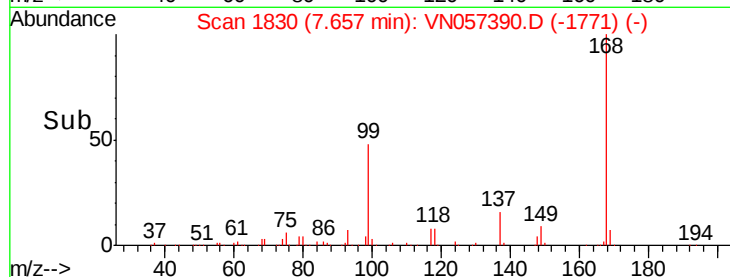
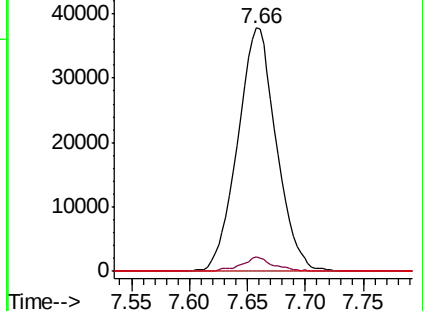
121 0.0 25.0 37.4#



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: 6.563 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

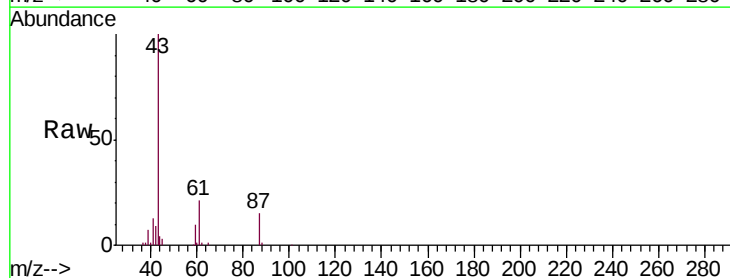
Tgt Ion: 43 Resp: 147242

Ion Ratio Lower Upper

43 100

61 20.6 21.6 32.4#

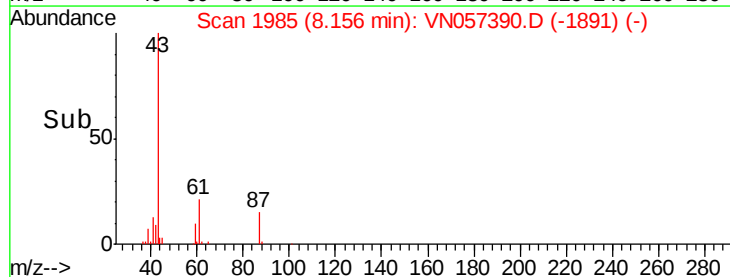
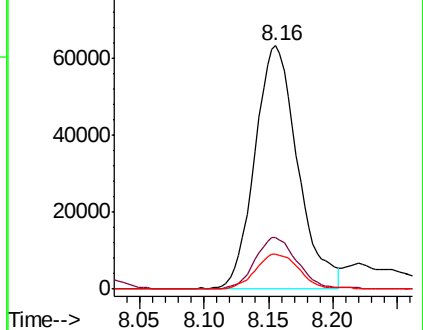
87 14.4 11.4 17.0

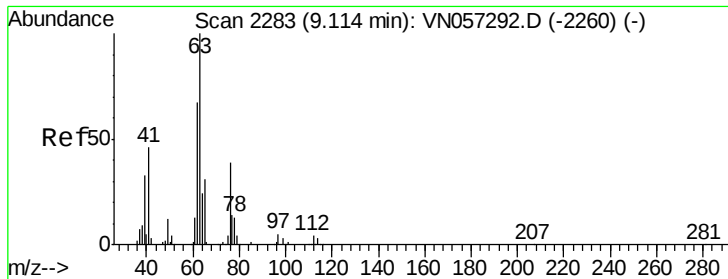


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.367 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.14 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

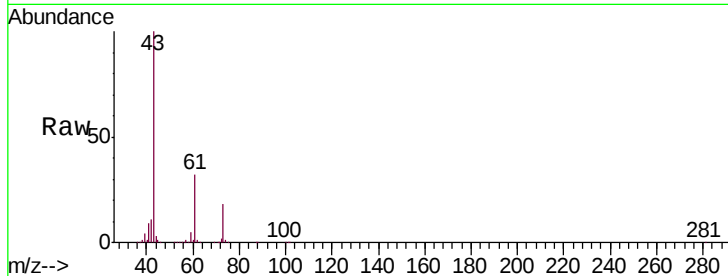
PB122334TB

Tgt Ion: 63 Resp: 3774

Ion Ratio Lower Upper

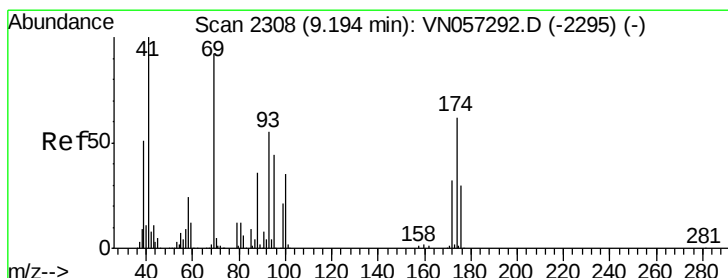
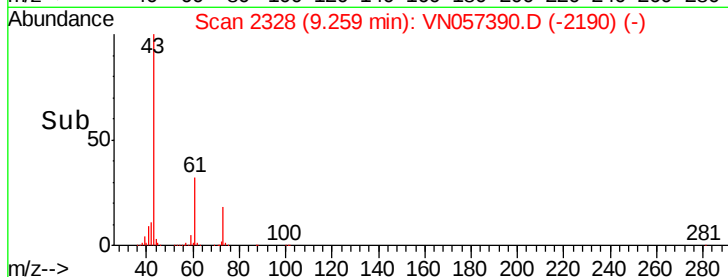
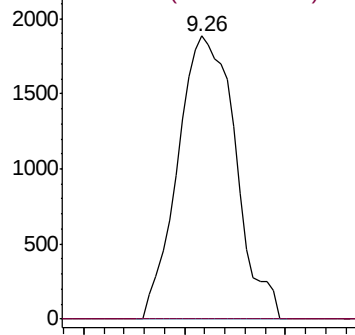
63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 0.874 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

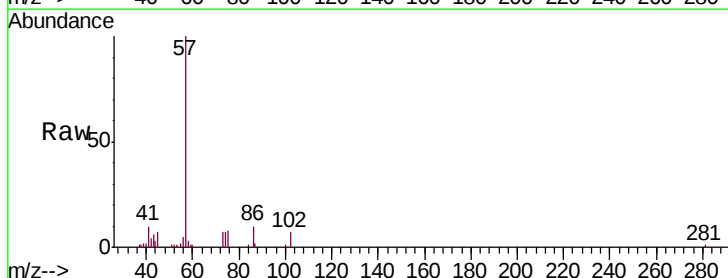
Tgt Ion: 41 Resp: 7680

Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

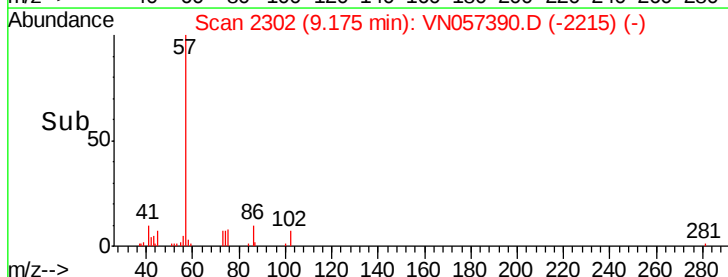
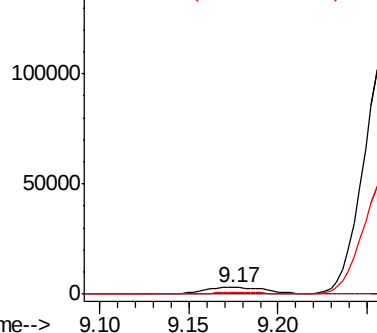
39 0.0 42.3 63.5#

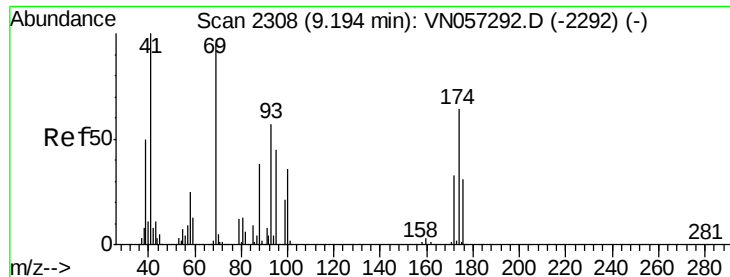


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1.471 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

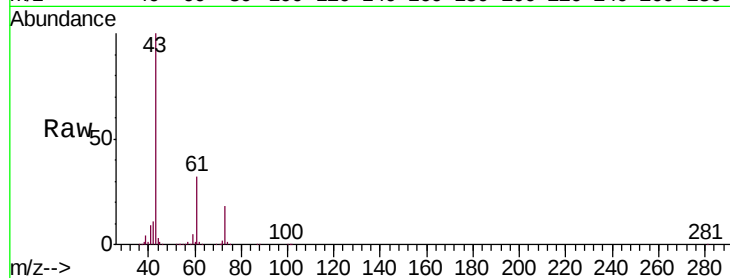
Tgt Ion: 88 Resp: 272

Ion Ratio Lower Upper

88 100

43 862124.3 22.9 34.3#

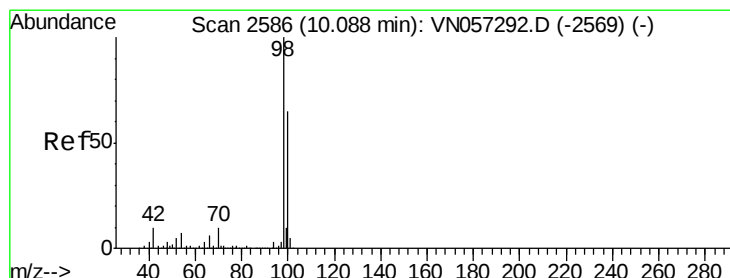
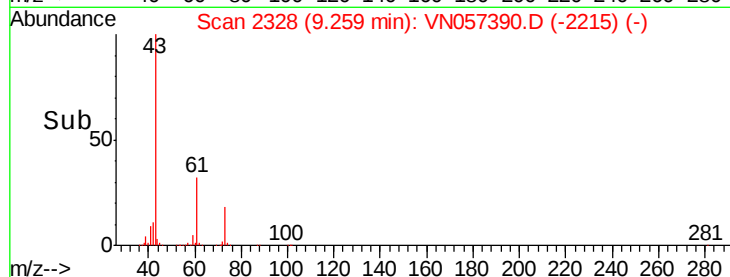
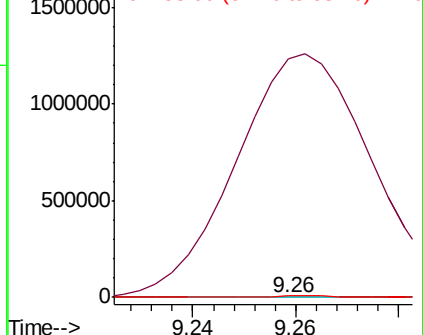
58 4231.6 52.7 79.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.990 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057390.D

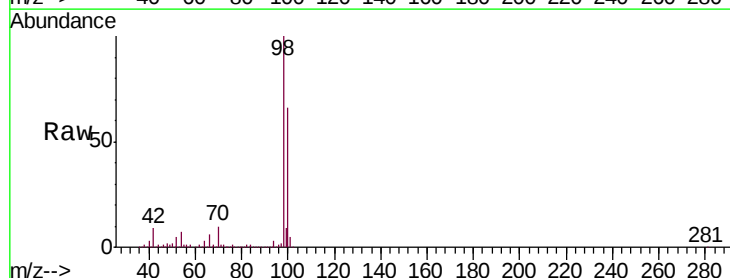
Acq: 19 Aug 2019 11:05

Tgt Ion: 98 Resp: 1698343

Ion Ratio Lower Upper

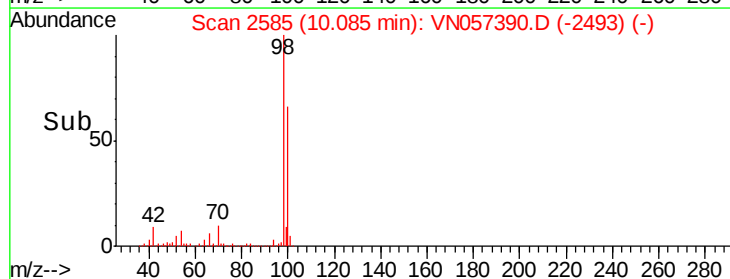
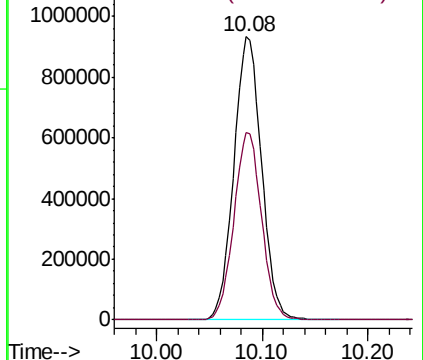
98 100

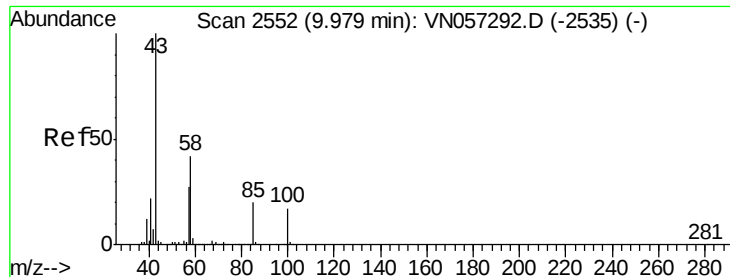
100 65.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

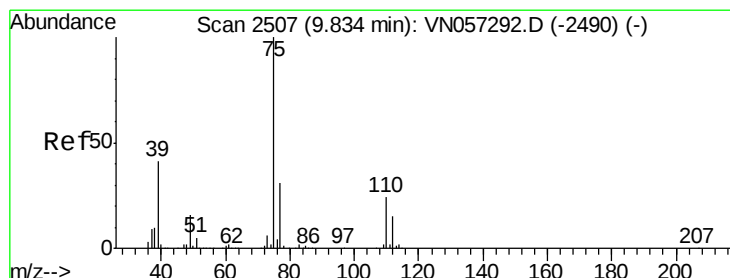
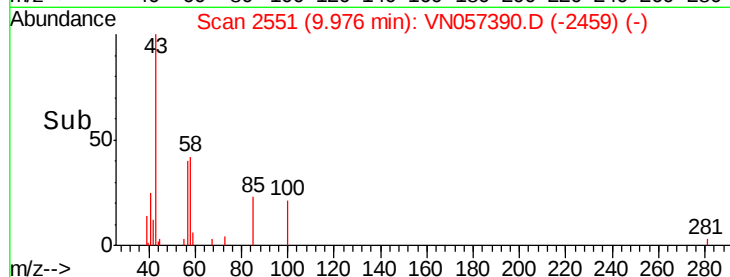
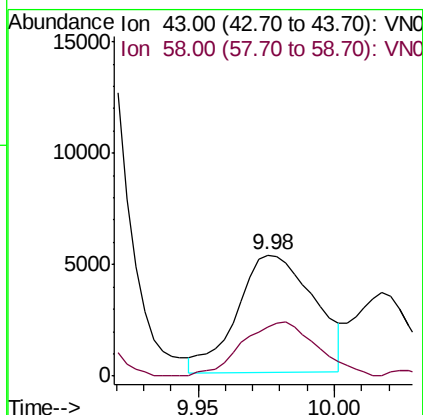
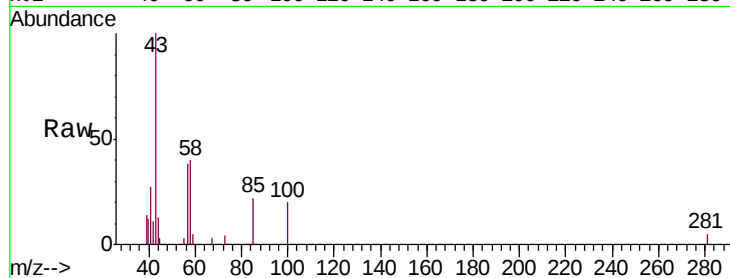




#51
 4-Methyl-2-Pentanone
 Concen: 0.944 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

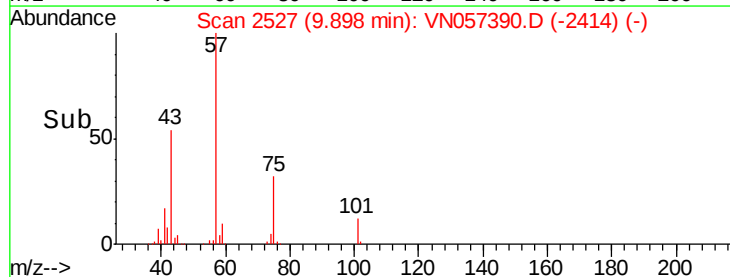
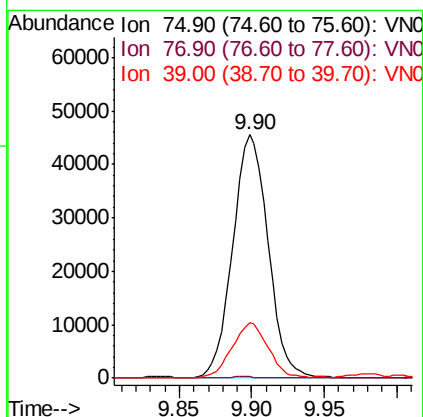
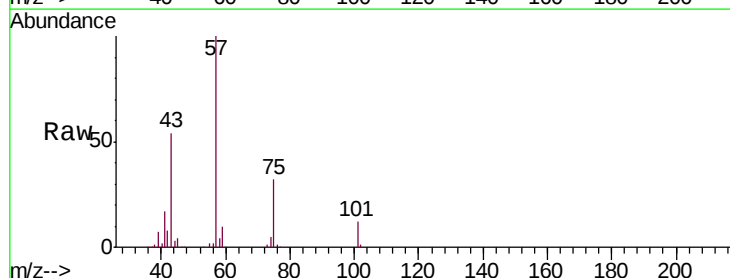
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122334TB

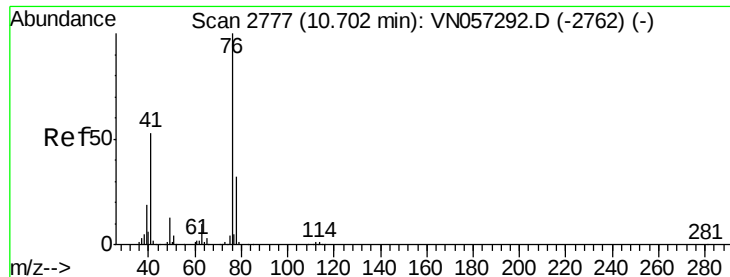
Tgt Ion: 43 Resp: 10392
 Ion Ratio Lower Upper
 43 100
 58 44.9 33.2 49.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.770 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion: 75 Resp: 77273
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.9 37.3#
 39 22.6 32.7 49.1#

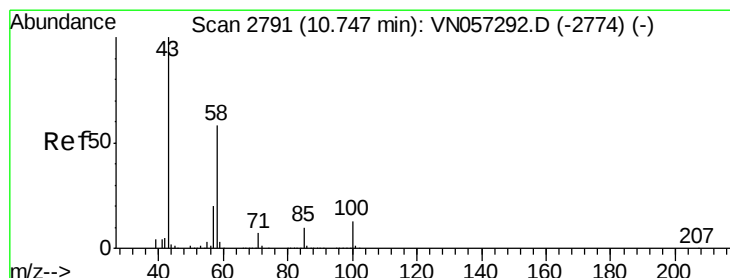
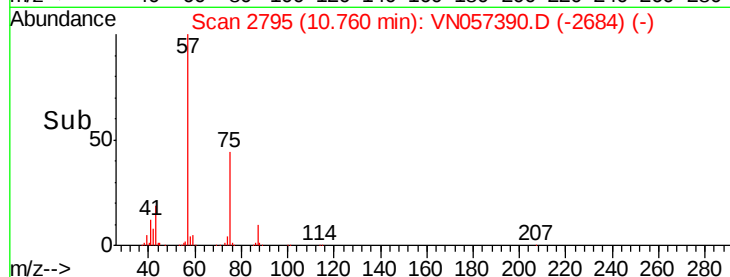
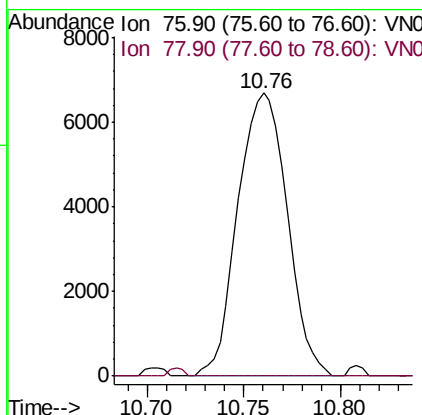
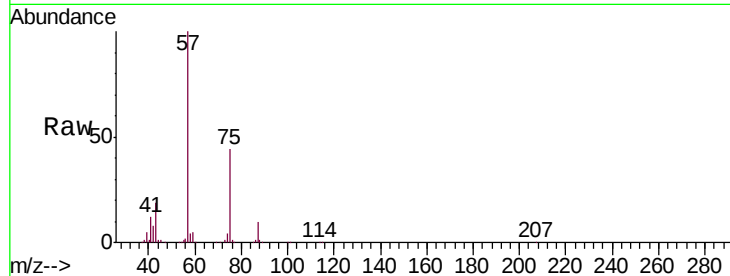




#57
 1,3-Dichloropropane
 Concen: 0.730 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

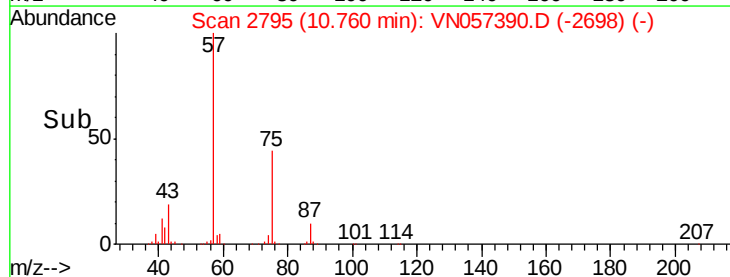
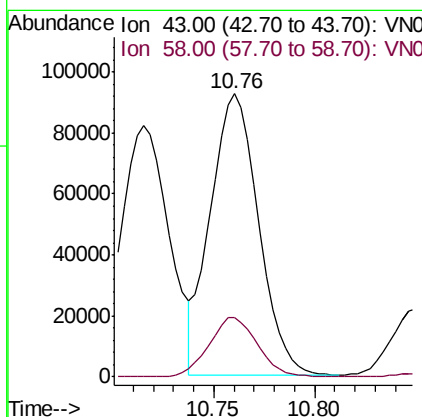
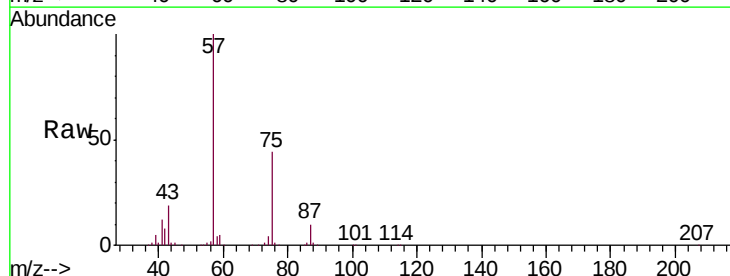
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122334TB

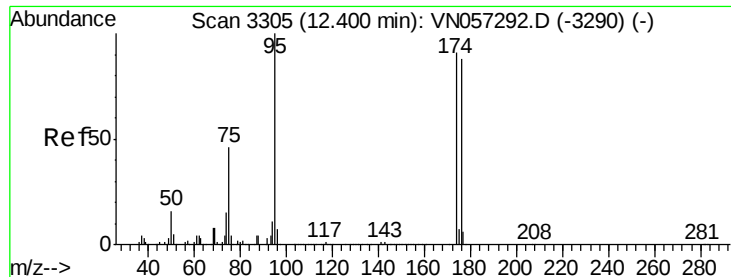
Tgt Ion: 76 Resp: 11900
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 19.369 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion: 43 Resp: 153338
 Ion Ratio Lower Upper
 43 100
 58 21.3 28.6 85.9#





#62

4-Bromofluorobenzene

Concen: 36.221 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

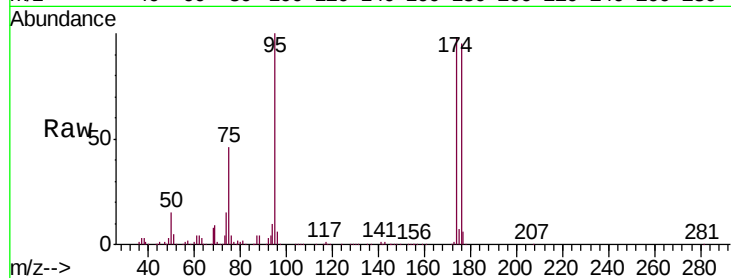
Tgt Ion: 95 Resp: 452993

Ion Ratio Lower Upper

95 100

174 97.5 0.0 185.0

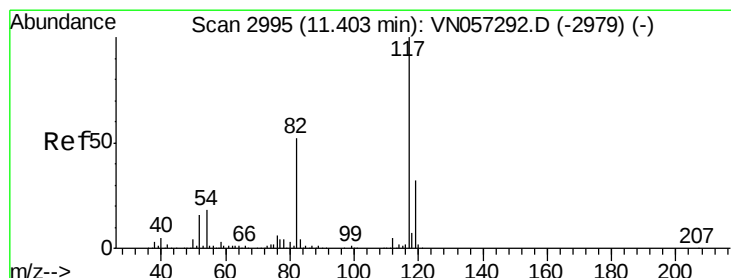
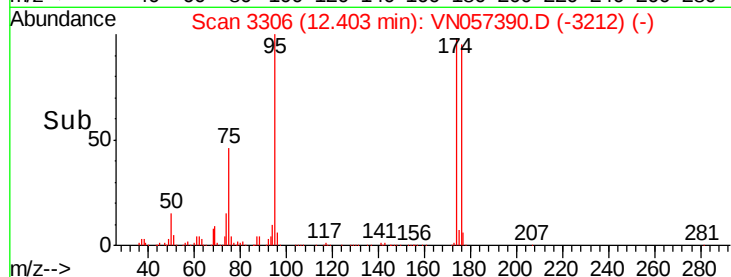
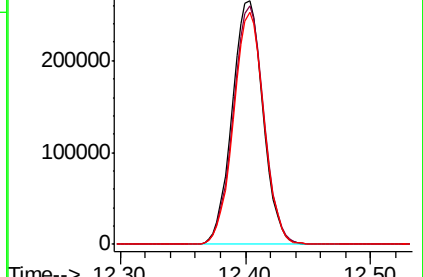
176 93.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057292.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057292.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

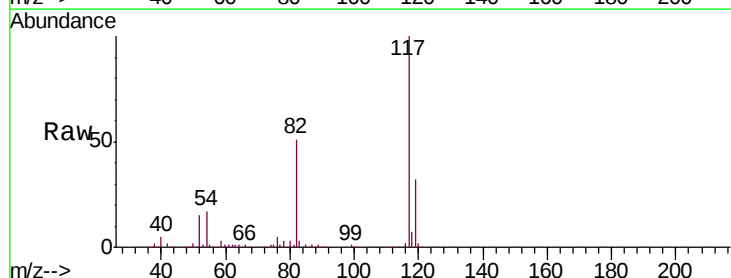
Tgt Ion: 117 Resp: 1231514

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

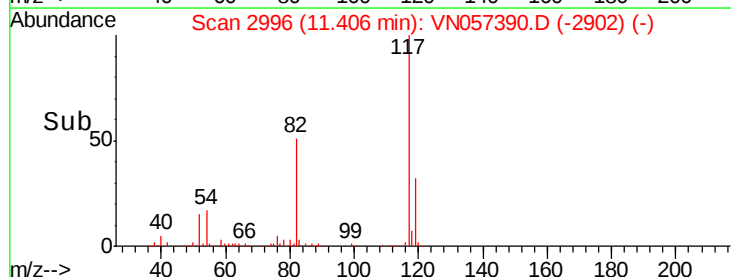
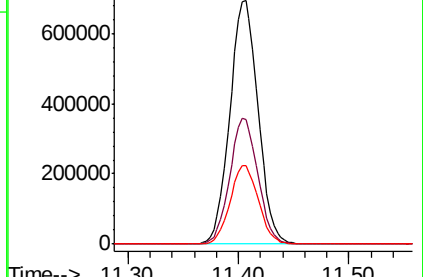
119 32.3 25.8 38.8

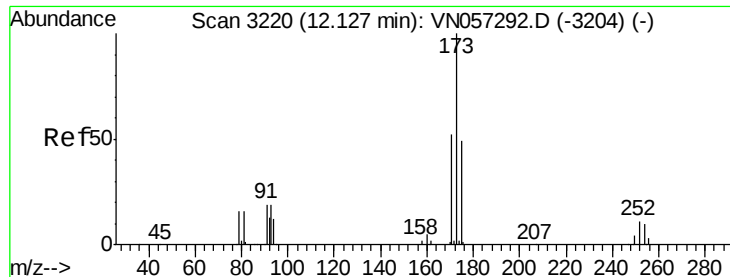


Abundance Ion 116.90 (116.60 to 117.60): VN057292.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057292.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057292.D (-2979) (-)





#71

Bromoform

Concen: 0.460 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

PB122334TB

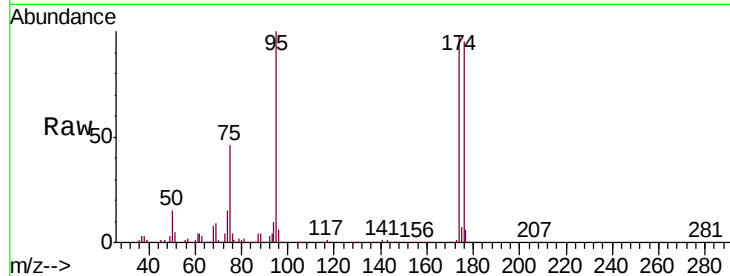
Tgt Ion:173 Resp: 3489

Ion Ratio Lower Upper

173 100

175 819.3 24.2 72.6#

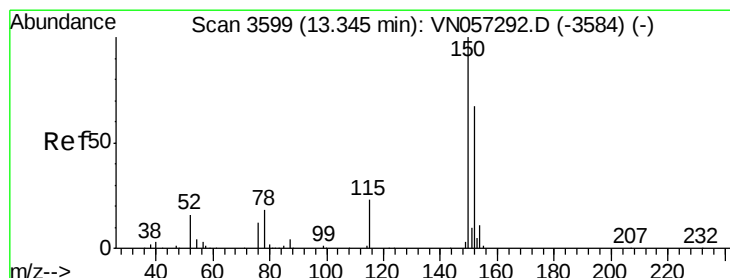
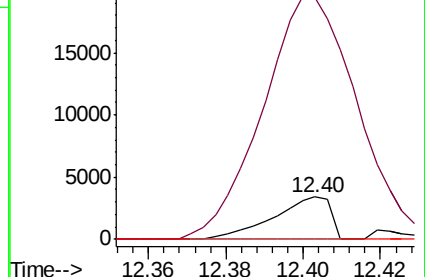
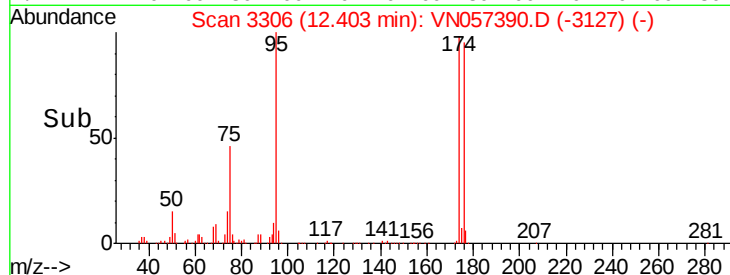
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

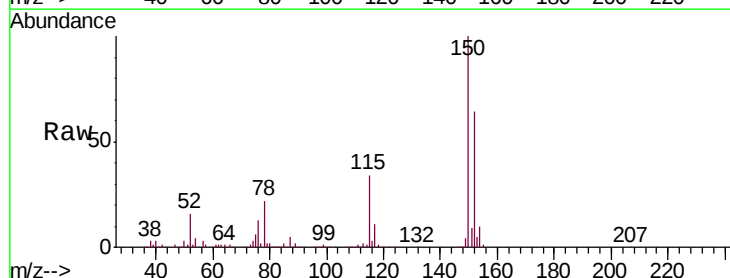
Tgt Ion:152 Resp: 328540

Ion Ratio Lower Upper

152 100

115 53.5 27.3 81.9

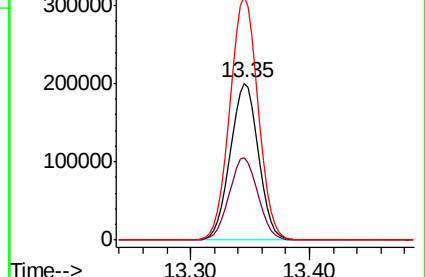
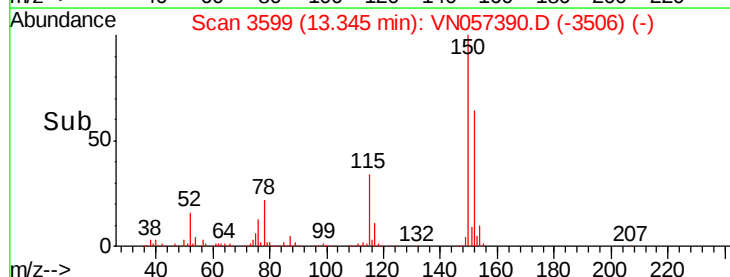
150 155.1 0.0 344.4

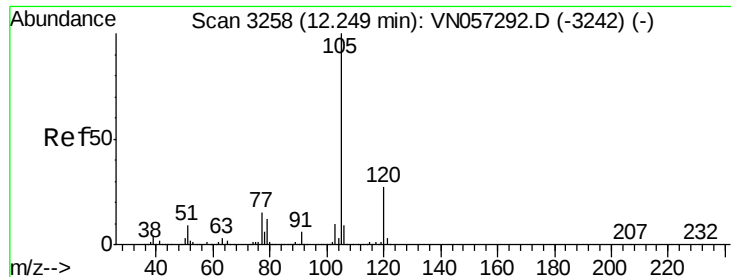


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

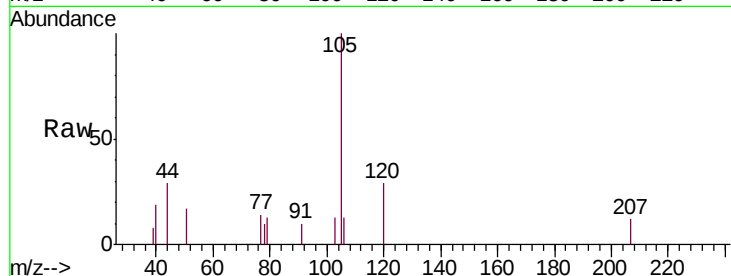
PB122334TB

Tgt Ion: 105 Resp: 3235

Ion Ratio Lower Upper

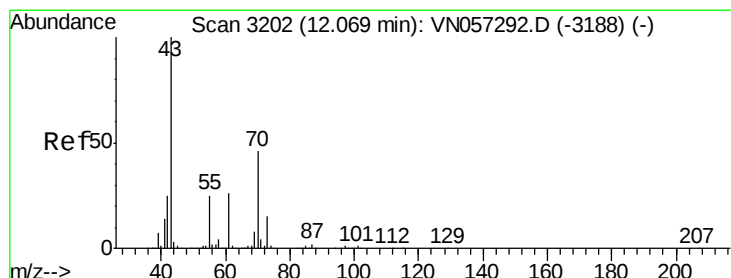
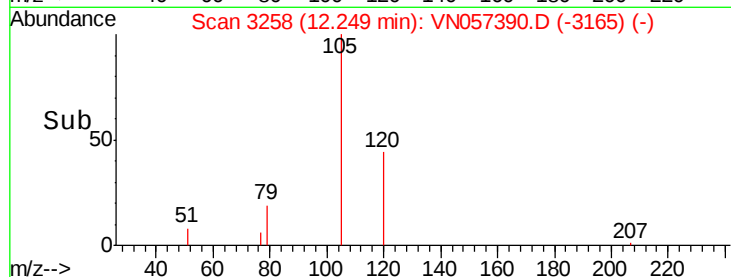
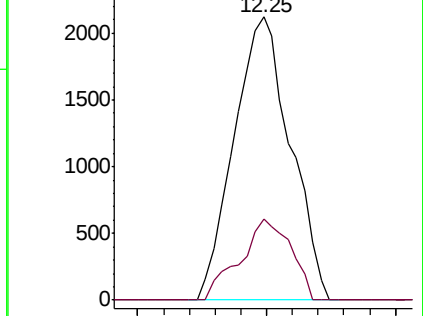
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.320 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Tgt Ion: 43 Resp: 3049

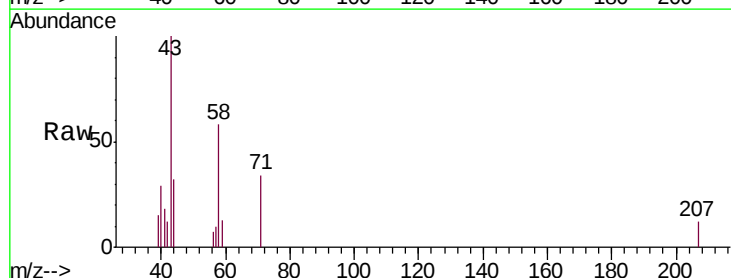
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 0.0 20.1 30.1#

61 0.0 20.9 31.3#

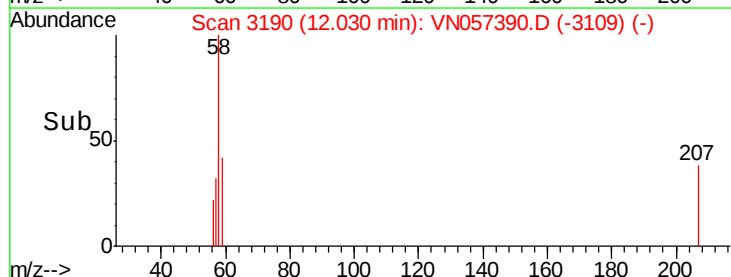
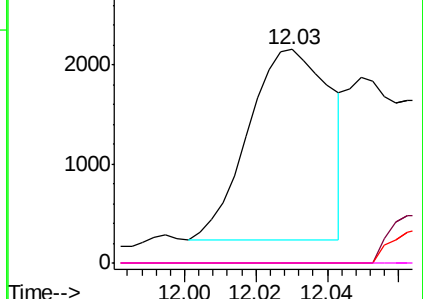


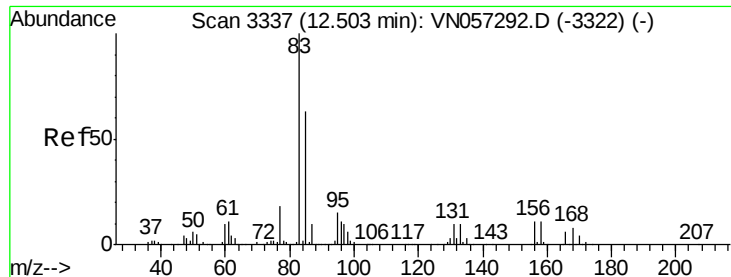
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

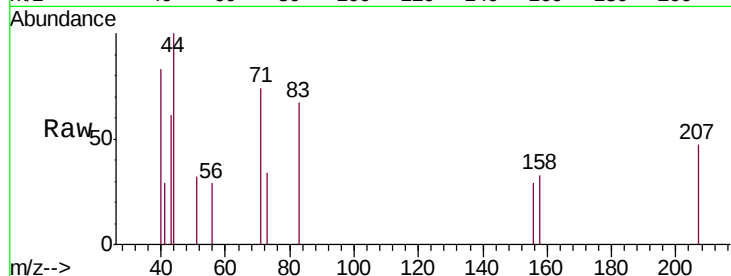
Tgt Ion: 83 Resp: 332

Ion Ratio Lower Upper

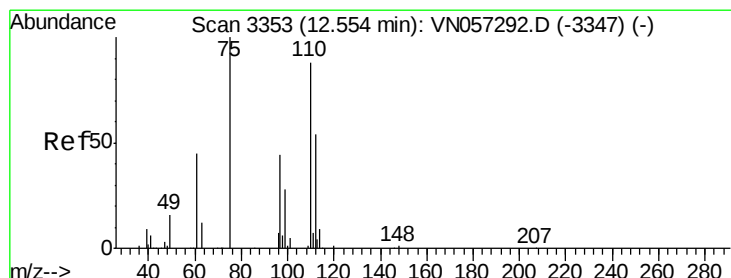
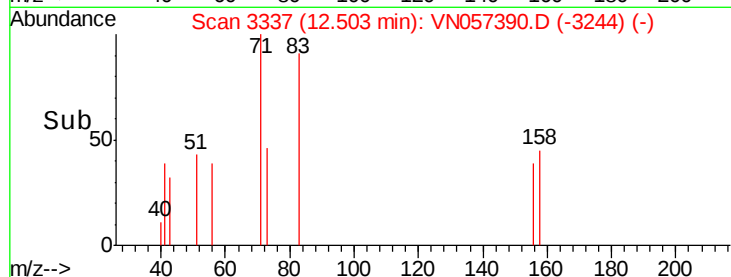
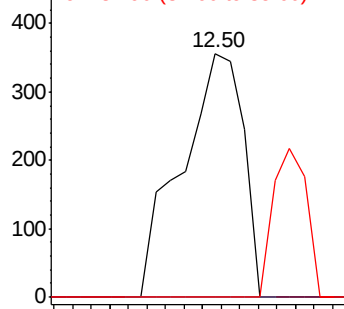
83 100

131 0.0 5.4 16.2#

85 32.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 31.688 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057390.D

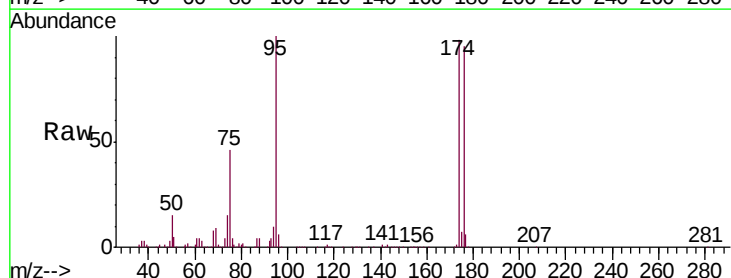
Acq: 19 Aug 2019 11:05

Tgt Ion: 75 Resp: 209409

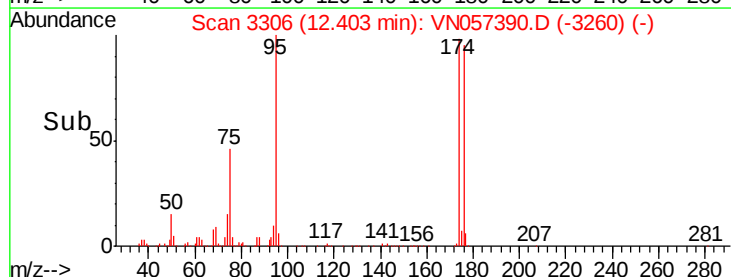
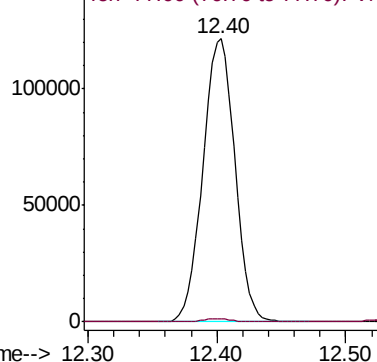
Ion Ratio Lower Upper

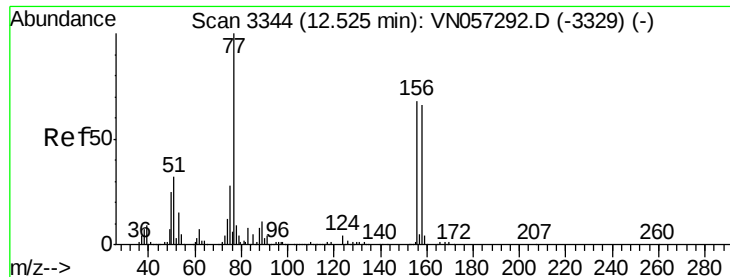
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-3347) (-)





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

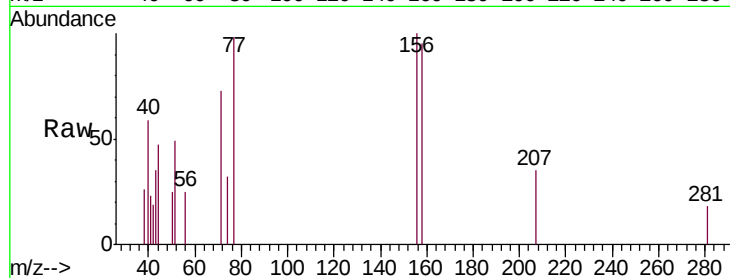
Tgt Ion:156 Resp: 1591

Ion Ratio Lower Upper

156 100

77 129.4 89.8 269.6

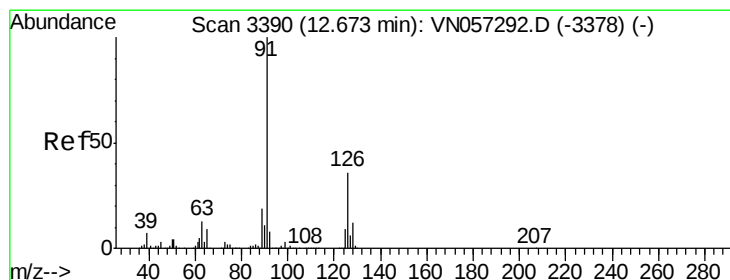
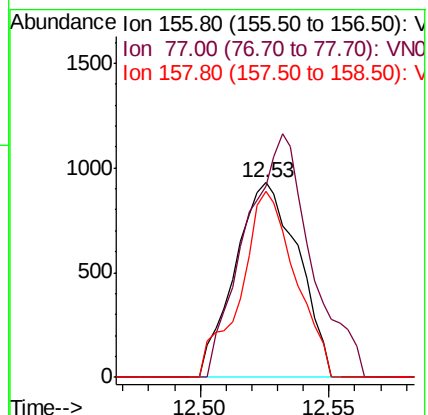
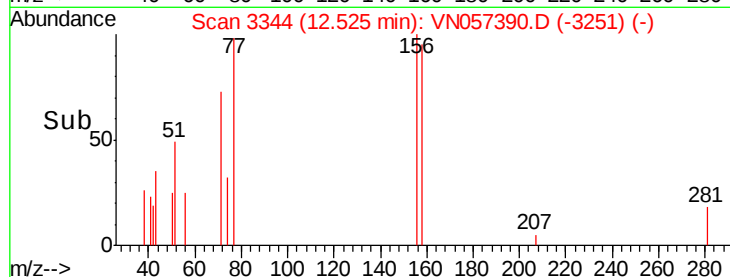
158 82.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057390.D

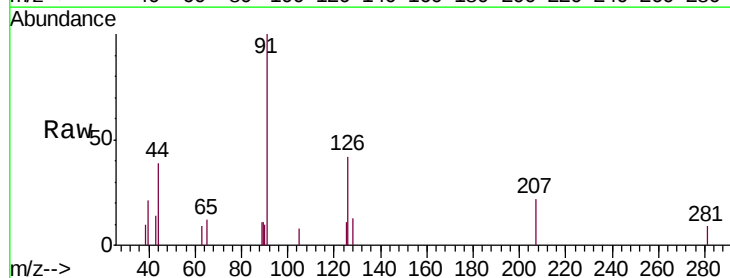
Acq: 19 Aug 2019 11:05

Tgt Ion: 91 Resp: 3442

Ion Ratio Lower Upper

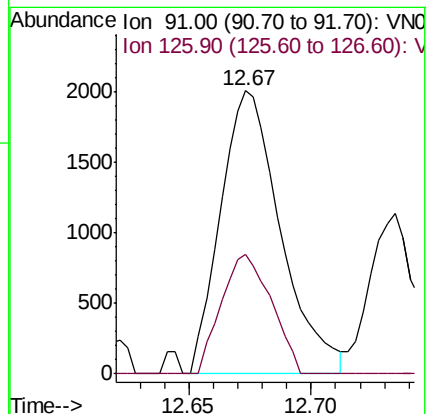
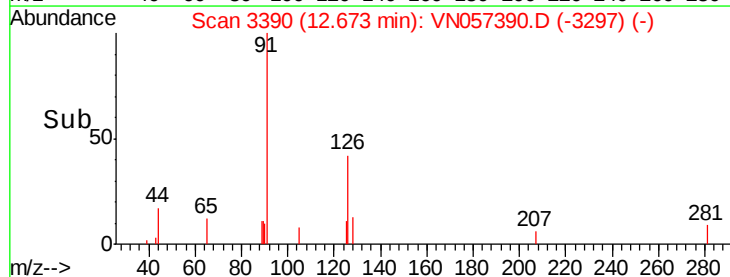
91 100

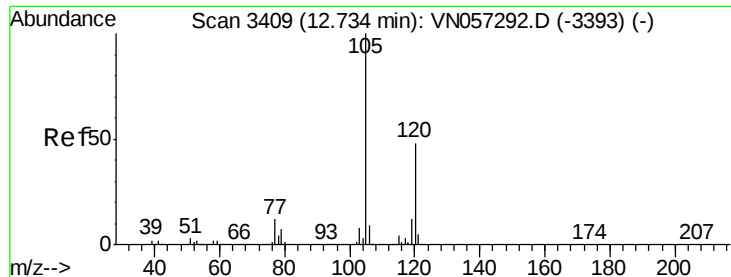
126 35.2 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

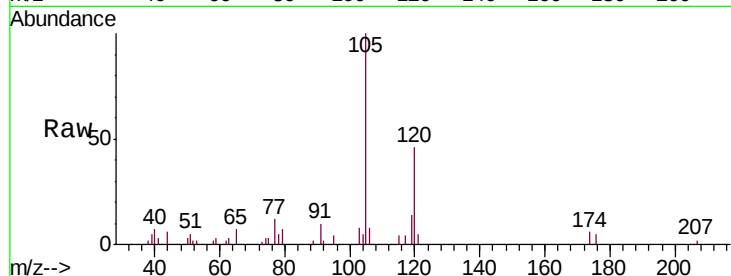
PB122334TB

Tgt Ion:105 Resp: 18687

Ion Ratio Lower Upper

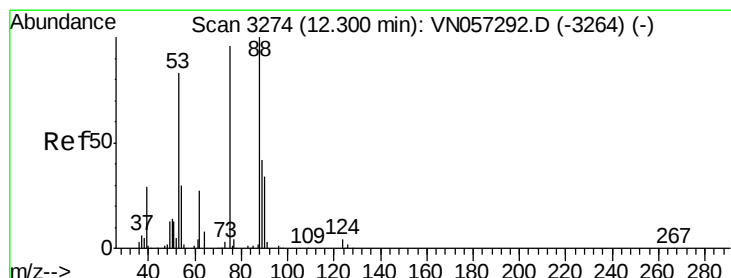
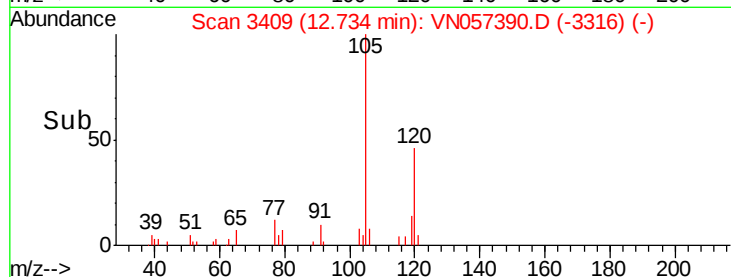
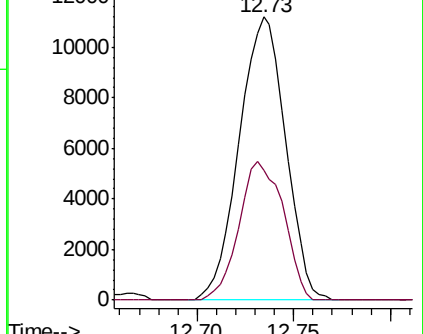
105 100

120 46.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 77.722 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

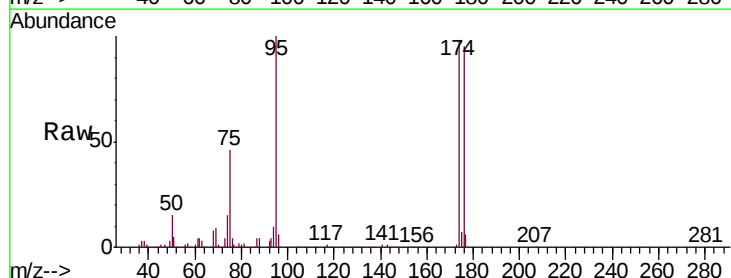
Tgt Ion: 75 Resp: 209409

Ion Ratio Lower Upper

75 100

53 0.1 67.9 101.9#

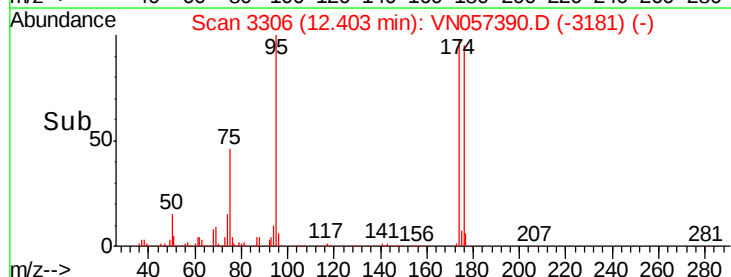
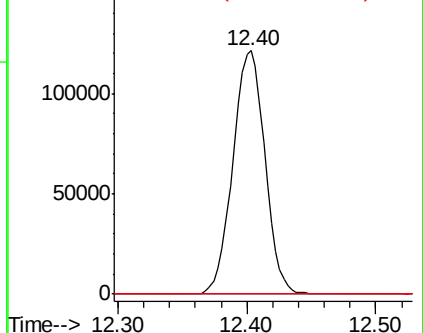
89 0.0 36.2 54.4#

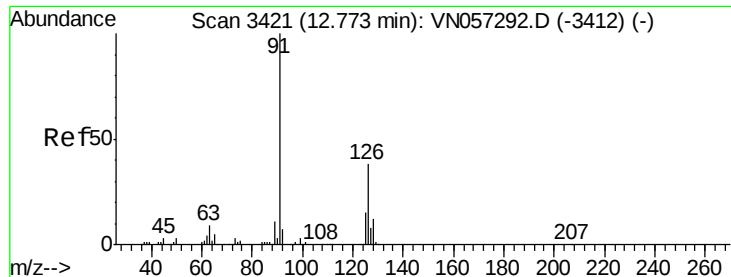


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

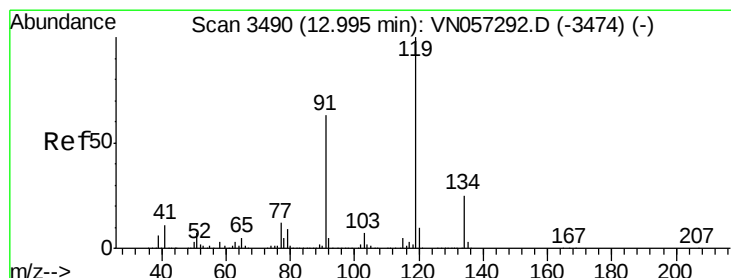
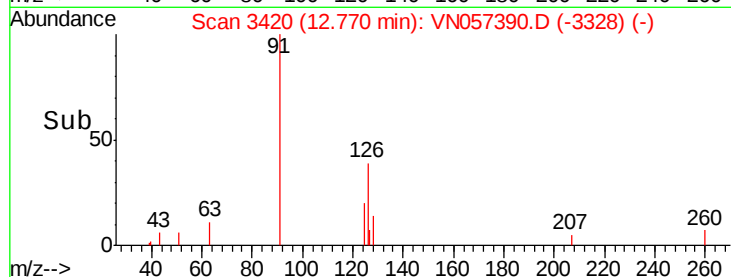
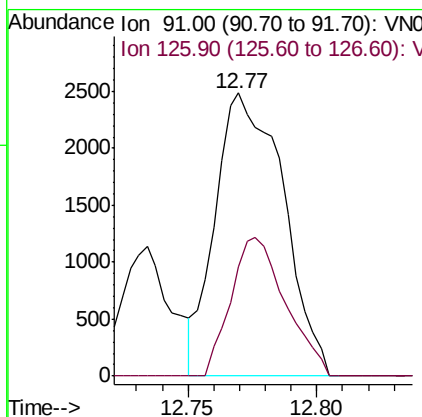
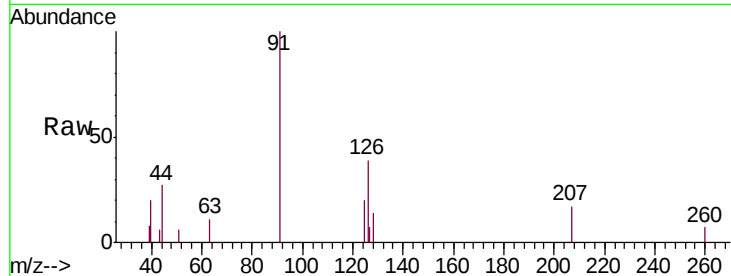




#82
4-Chlorotoluene
Concen: 0.243 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN057390.D
Acq: 19 Aug 2019 11:05

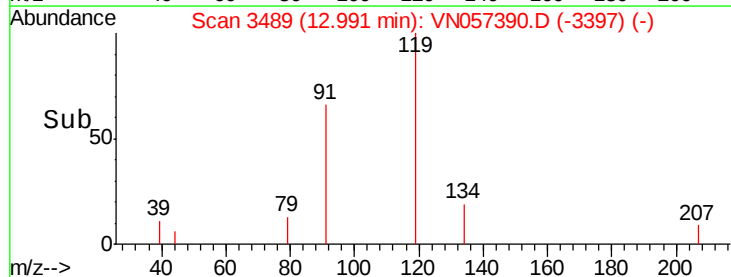
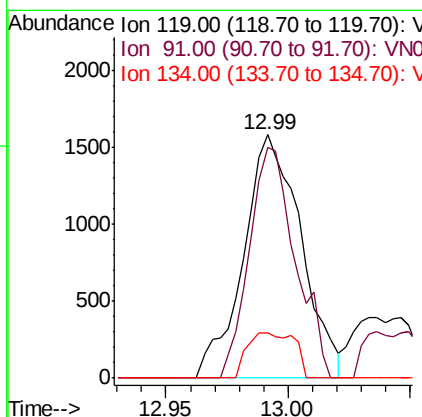
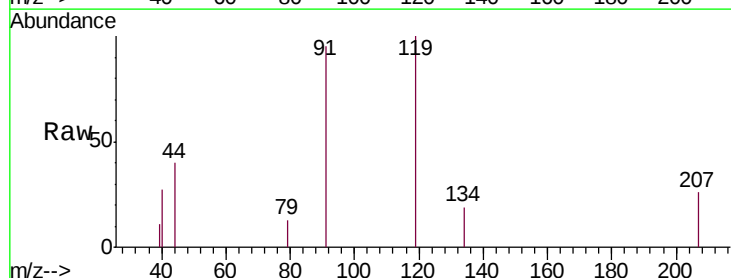
Instrument :
MSVOA_N
ClientSampled :
PB122334TB

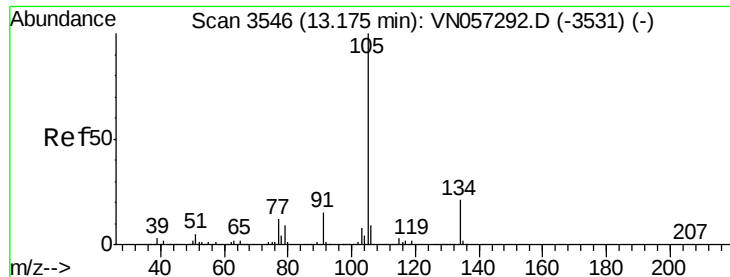
Tgt Ion: 91 Resp: 4553
Ion Ratio Lower Upper
91 100
126 39.6 17.3 51.7



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN057390.D
Acq: 19 Aug 2019 11:05

Tgt Ion: 119 Resp: 2587
Ion Ratio Lower Upper
119 100
91 75.8 31.3 93.8
134 15.2 13.1 39.1





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

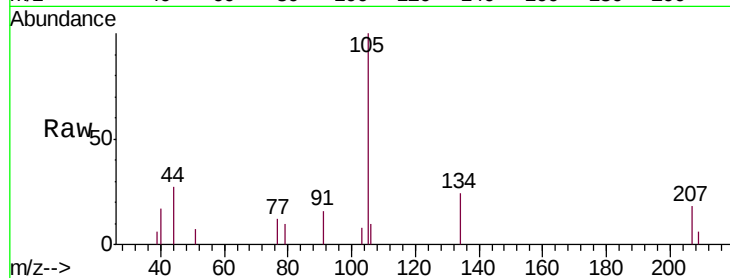
PB122334TB

Tgt Ion:105 Resp: 4244

Ion Ratio Lower Upper

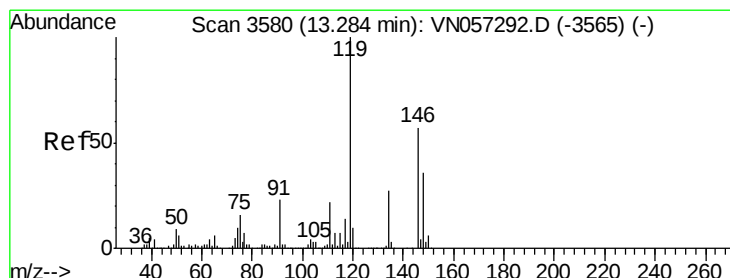
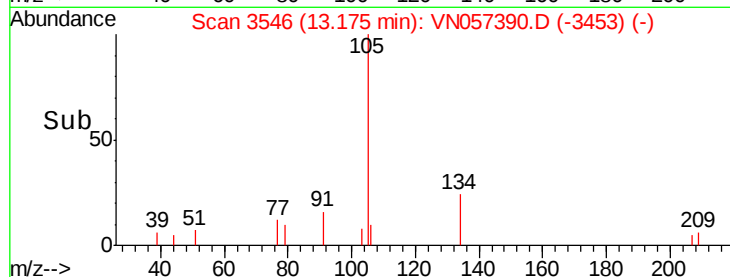
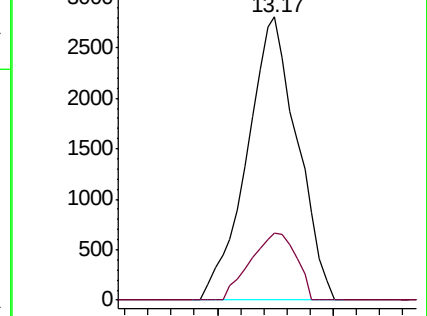
105 100

134 21.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.301 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

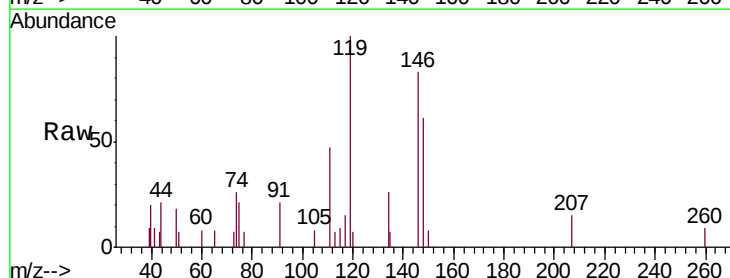
Tgt Ion:146 Resp: 3468

Ion Ratio Lower Upper

146 100

111 45.7 18.7 56.1

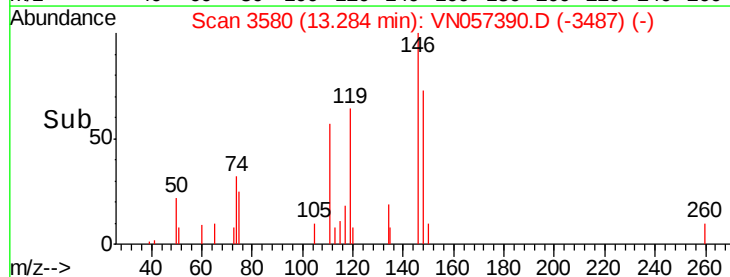
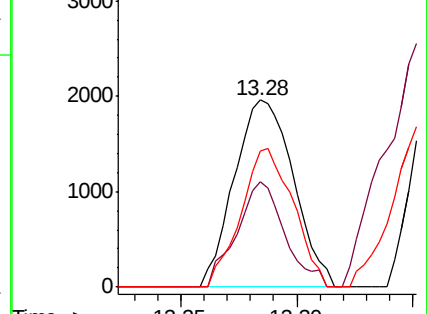
148 65.7 31.7 95.1

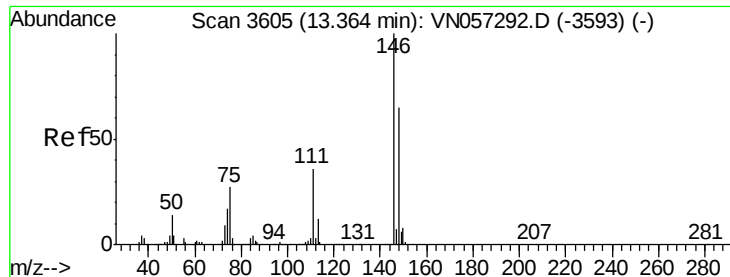


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

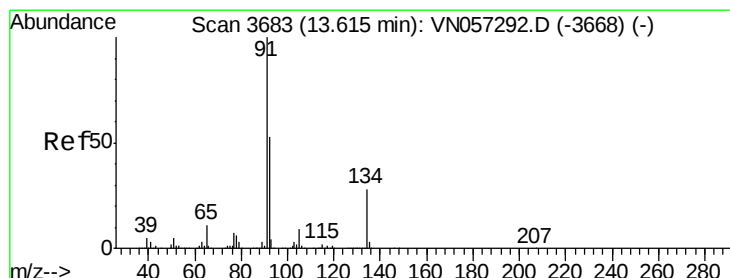
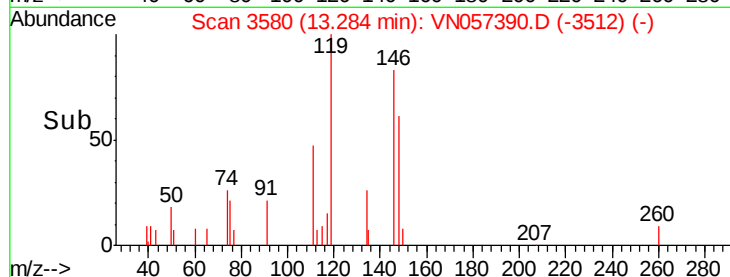
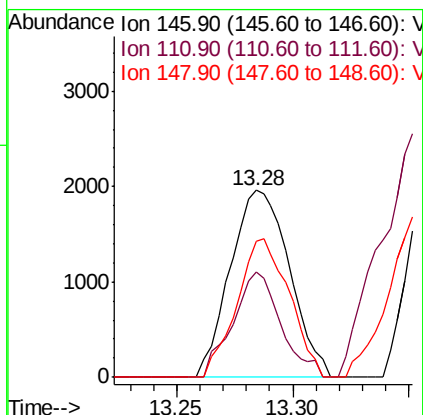
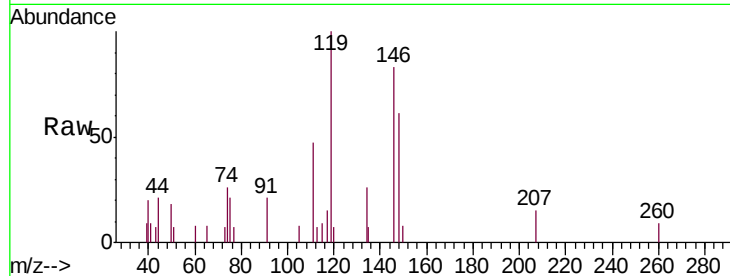




#88
 1,4-Dichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

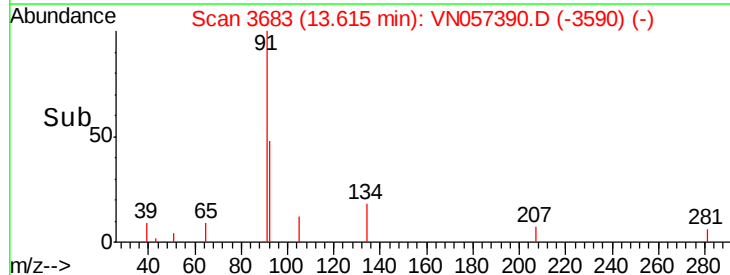
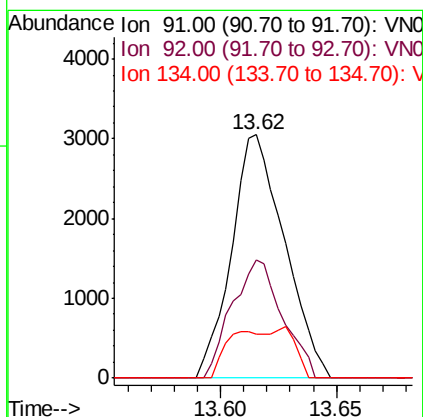
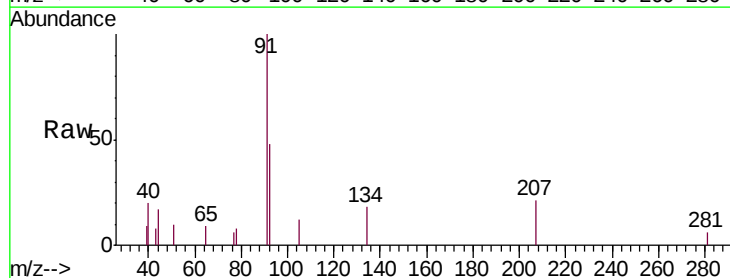
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122334TB

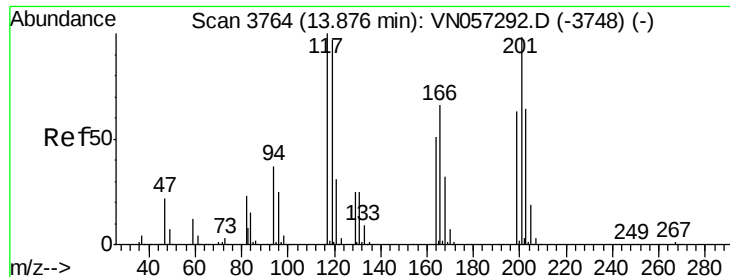
Tgt Ion: 146 Resp: 3468
 Ion Ratio Lower Upper
 146 100
 111 45.7 18.4 55.4
 148 65.7 32.5 97.4



#89
 n-Butylbenzene
 Concen: 0.279 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion: 91 Resp: 4825
 Ion Ratio Lower Upper
 91 100
 92 46.2 26.2 78.6
 134 16.2 13.9 41.7





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

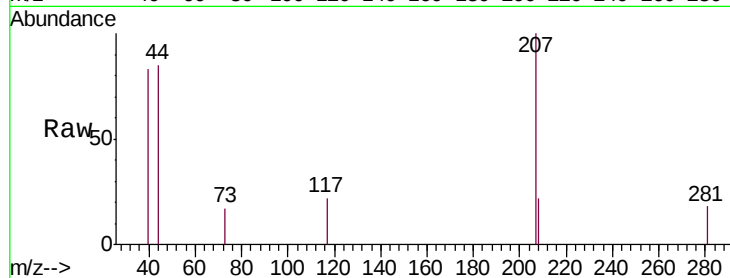
PB122334TB

Tgt Ion:117 Resp: 169

Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

200

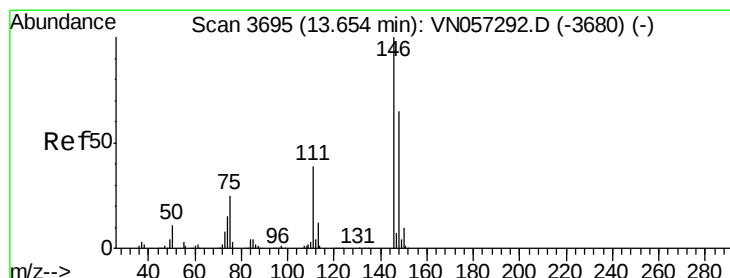
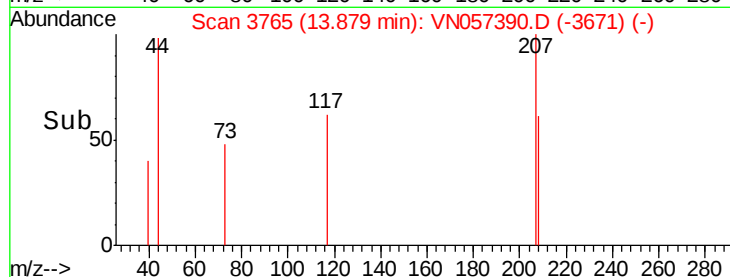
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.357 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

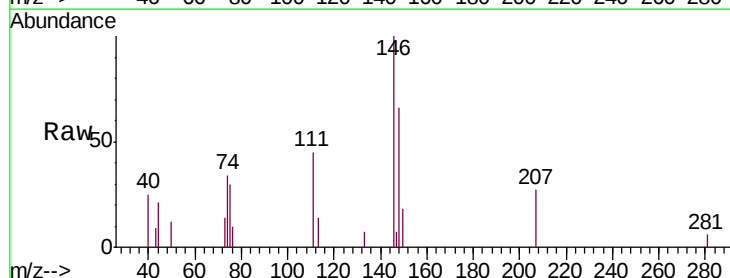
Tgt Ion:146 Resp: 3828

Ion Ratio Lower Upper

146 100

111 45.2 19.7 59.1

148 80.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

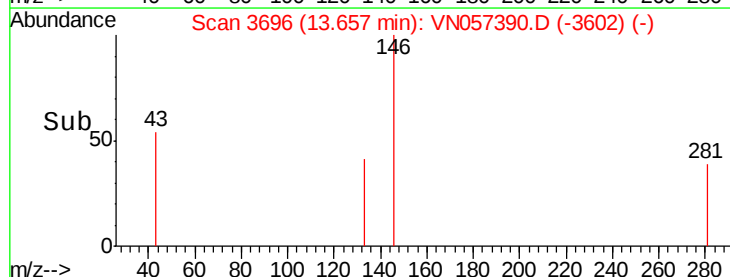
3000

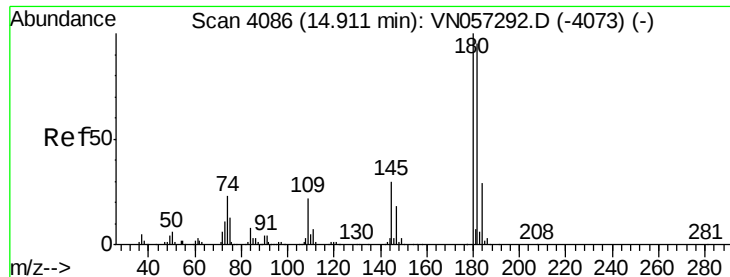
2000

1000

0

Time-->

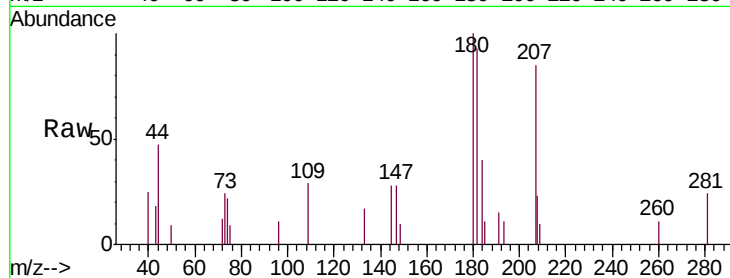




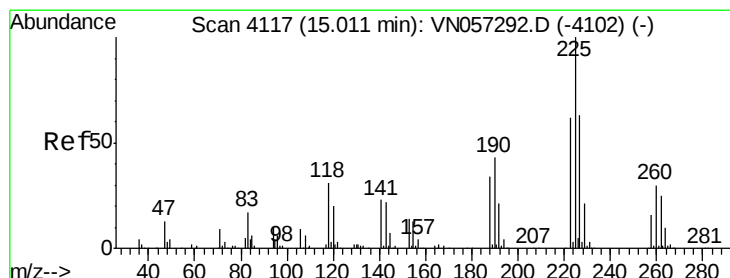
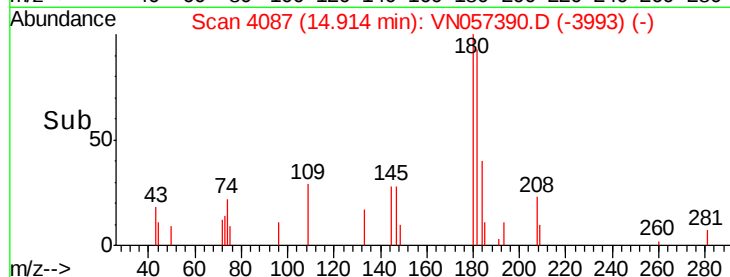
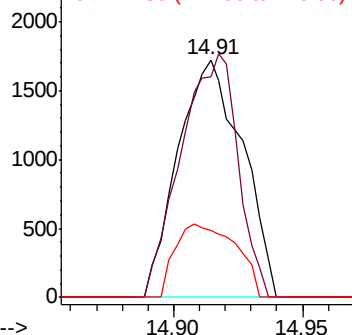
#93
 1,2,4-Trichlorobenzene
 Concen: 5.980 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Instrument :
 MSVOA_N
 ClientSampled :
 PB122334TB

Tgt Ion:180 Resp: 3000
 Ion Ratio Lower Upper
 180 100
 182 90.7 48.0 144.2
 145 29.1 14.5 43.6

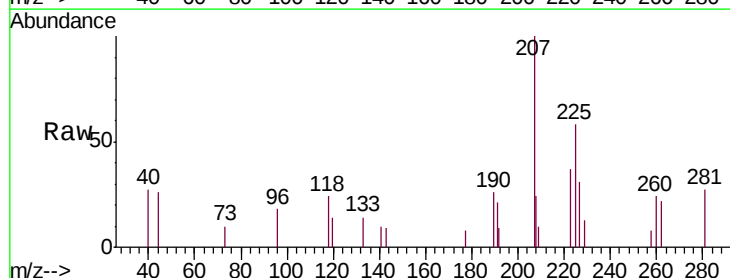


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

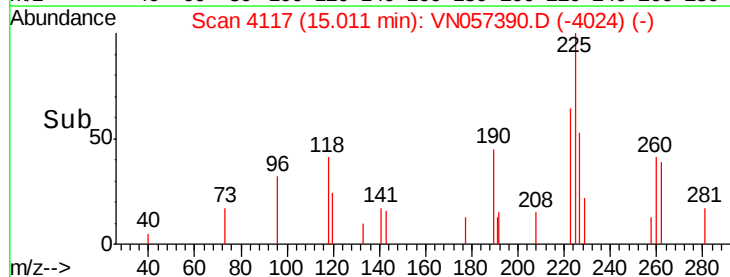
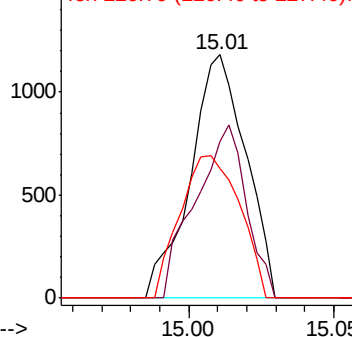


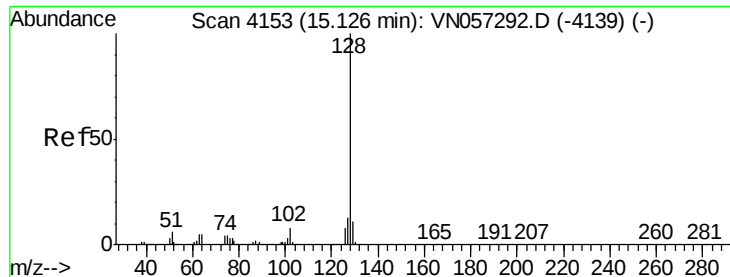
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057390.D
 Acq: 19 Aug 2019 11:05

Tgt Ion:225 Resp: 1578
 Ion Ratio Lower Upper
 225 100
 223 65.0 30.7 92.1
 227 62.7 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

PB122334TB

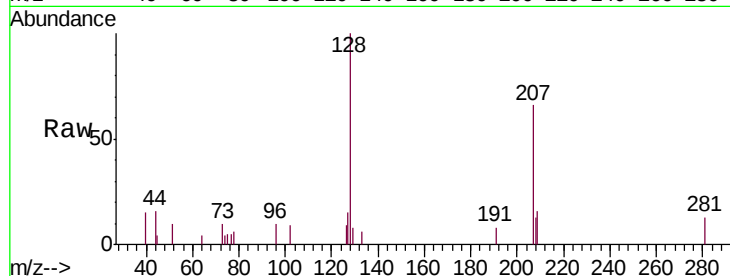
Tgt Ion:128 Resp: 6163

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

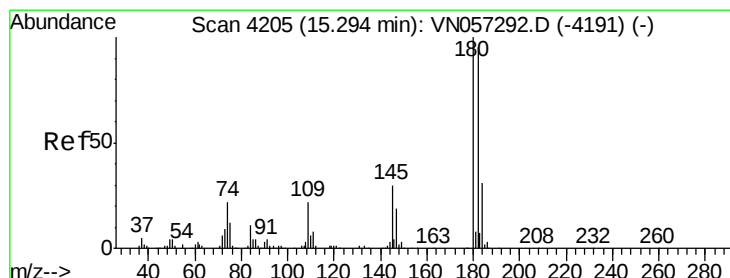
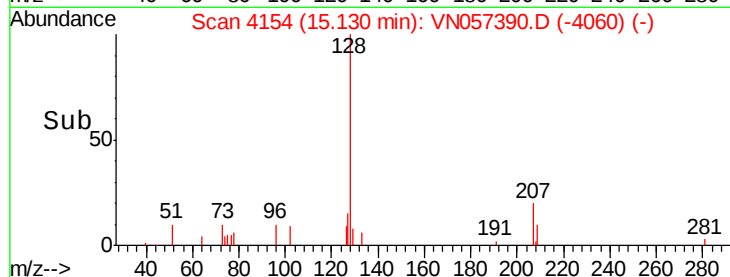
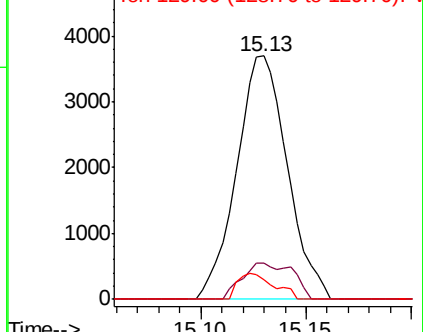
129 7.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057390.D

Acq: 19 Aug 2019 11:05

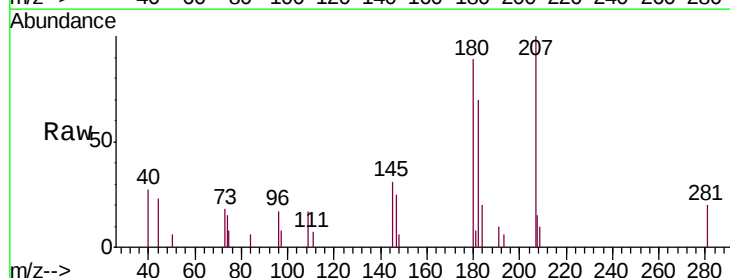
Tgt Ion:180 Resp: 3819

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.6

145 30.1 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

