

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058390.D
 Acq On : 26 Sep 2019 16:49
 Operator : JC/SP
 Sample : K5037-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30315

Quant Time: Sep 27 02:37:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	544495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	864337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	706869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	374521	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.57	113	247931	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	10.08	98	1048725	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.41	95	345661	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1580	Below Cal		89
4) Vinyl Chloride	2.41	62	29	Below Cal	#	72
5) Bromomethane	2.54	94	501	0.970	ug/l #	4
6) Chloroethane	2.69	64	470	Below Cal	#	44
11) Tert butyl alcohol	4.87	59	22288	24.707	ug/l #	80
12) 1,1-Dichloroethene	3.69	96	63	Below Cal	#	56
13) Acrolein	3.61	56	20443	152.915	ug/l #	15
16) Acetone	3.81	43	951252	369.529	ug/l #	1
17) Carbon Disulfide	4.07	76	341	0.343	ug/l #	74
18) Methyl Acetate	4.30	43	128986	19.042	ug/l	99
20) Methylene Chloride	4.53	84	634	Below Cal	#	57
22) Diisopropyl ether	6.12	45	594363	32.485	ug/l #	1
23) Vinyl Acetate	6.12	43	1493334	119.279	ug/l #	74
25) 2-Butanone	6.83	43	324673	92.577	ug/l	100
29) Tetrahydrofuran	7.23	42	872	0.404	ug/l #	51
31) Cyclohexane	7.64	56	13372	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	45415	7.286	ug/l #	51
37) Ethyl Acetate	6.83	43	324673	50.192	ug/l #	70
38) Carbon Tetrachloride	7.64	117	55072	8.789	ug/l #	15
40) Benzene	8.02	78	57683	3.030	ug/l	97
41) Methacrylonitrile	7.14	41	240	0.983	ug/l #	100
43) Isopropyl Acetate	8.16	43	45469	3.764	ug/l #	58
48) Methyl methacrylate	9.18	41	12082	2.203	ug/l #	43
49) 1,4-Dioxane	9.21	88	753	8.361	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	10782	1.680	ug/l	92
52) Toluene	10.15	92	102639	8.602	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	8467	1.141	ug/l #	49
54) cis-1,3-Dichloropropene	9.71	75	1721	0.210	ug/l #	1
55) 1,1,2-Trichloroethane	10.50	97	1277	0.241	ug/l #	1
56) Ethyl methacrylate	10.36	69	10176	1.332	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	2195	0.241	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.71	63	21173	5.818	ug/l #	50
59) 2-Hexanone	10.77	43	42806	8.982	ug/l	66
67) Ethyl Benzene	11.51	91	16812	0.789	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

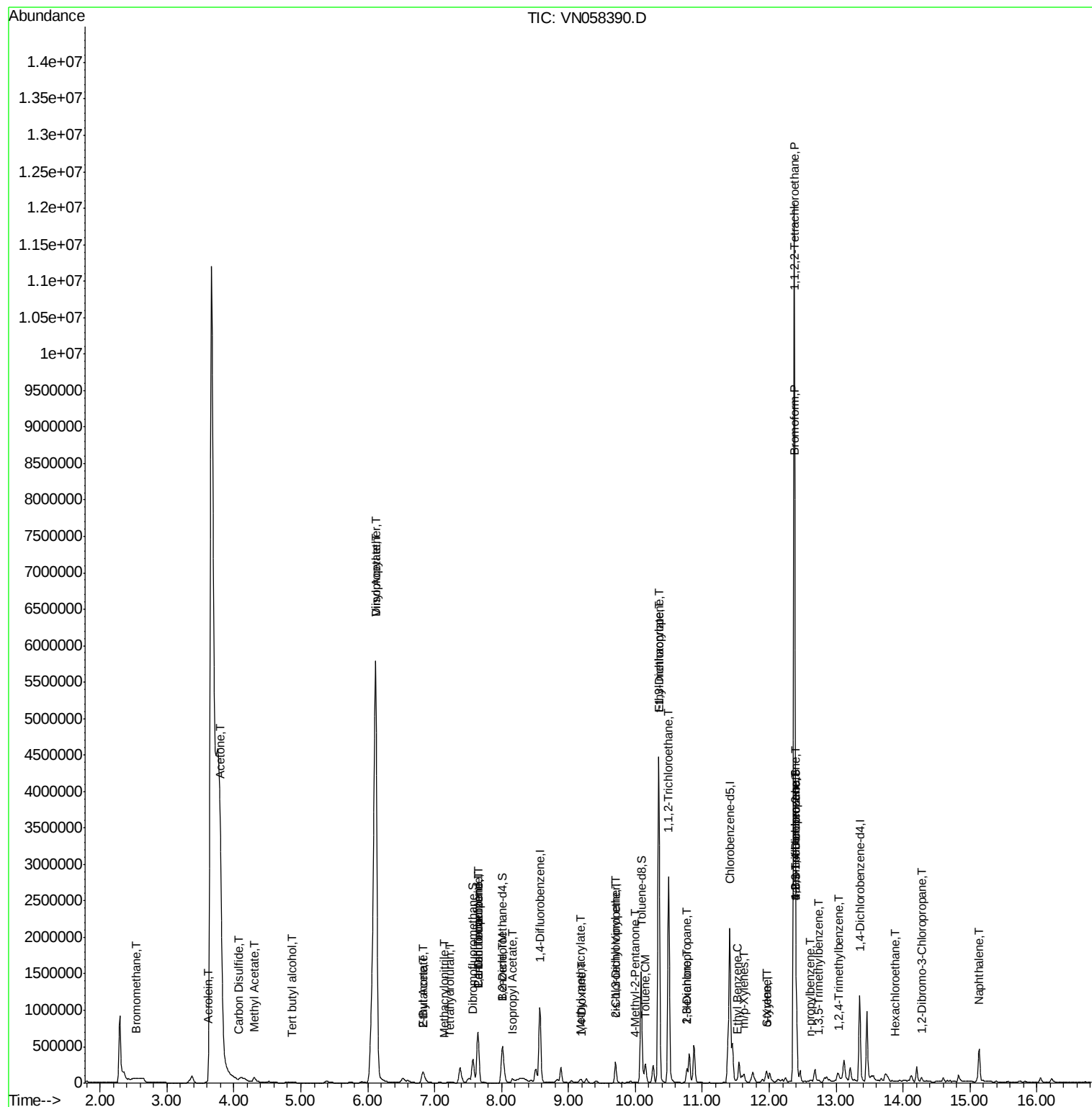
68) m/p-Xylenes	11.62	106	35597	4.436	ug/l	97
69) o-Xylene	11.95	106	17742	2.249	ug/l	99
70) Styrene	11.97	104	25398	1.868	ug/l	97
71) Bromoform	12.39	173	314	3.682	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.37	83	4315437	687.318	ug/l #	35
76) 1,2,3-Trichloropropane	12.41	75	208292	38.855	ug/l #	100
78) n-propylbenzene	12.60	91	8529	0.400	ug/l #	67
80) 1,3,5-Trimethylbenzene	12.74	105	5620	0.354	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	208292	108.053	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.05	105	28459	1.804	ug/l	88
90) Hexachloroethane	13.88	117	275	2.913	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	418	0.370	ug/l #	6
95) Naphthalene	15.14	128	337727	23.604	ug/l	99

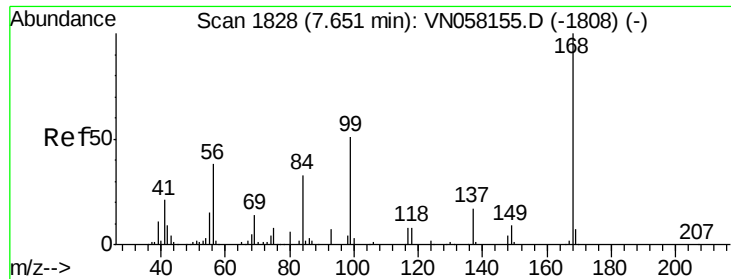
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
Data File : VN058390.D
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Sample : K5037-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30315

Quant Time: Sep 27 02:37:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

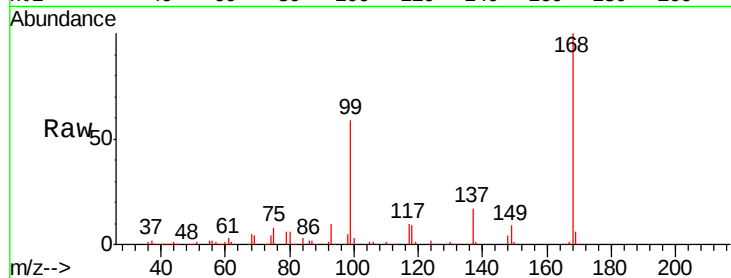
30315

Tgt Ion:168 Resp: 544495

Ion Ratio Lower Upper

168 100

99 59.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

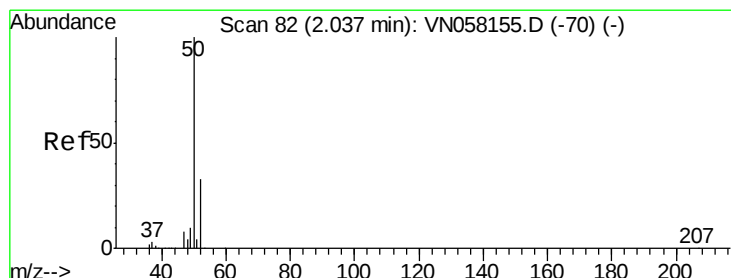
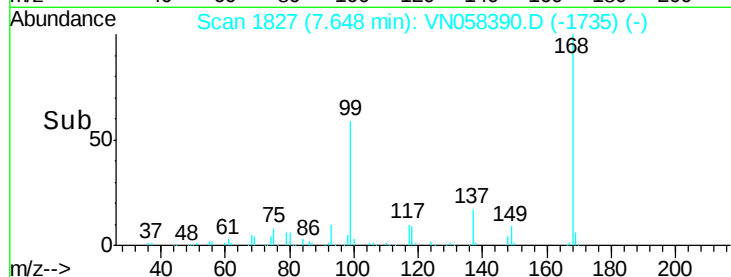
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN058390.D

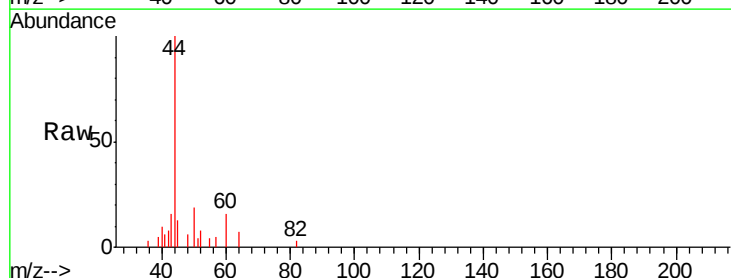
Acq: 26 Sep 2019 16:49

Tgt Ion: 50 Resp: 1580

Ion Ratio Lower Upper

50 100

52 39.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1200

1000

800

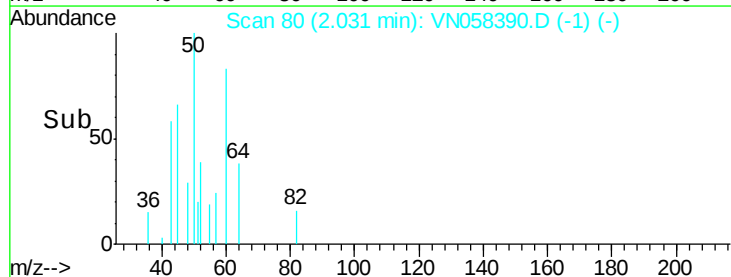
600

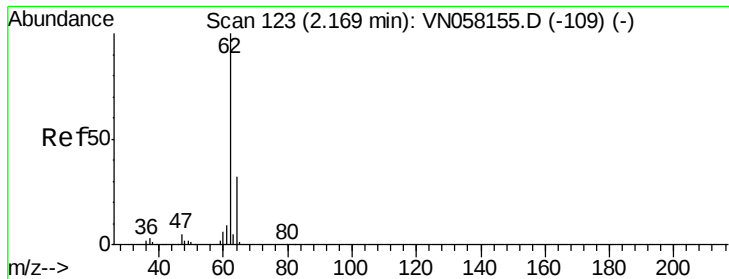
400

200

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.41 min Scan# 199

Delta R.T. 0.25 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

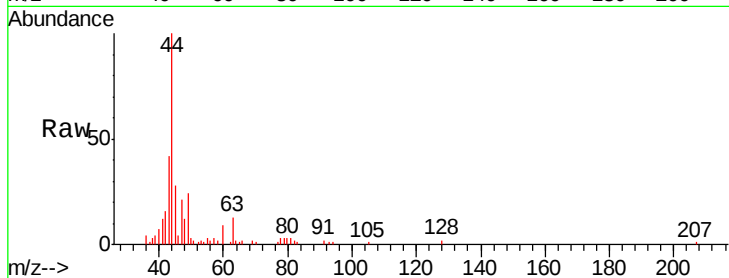
30315

Tgt Ion: 62 Resp: 29

Ion Ratio Lower Upper

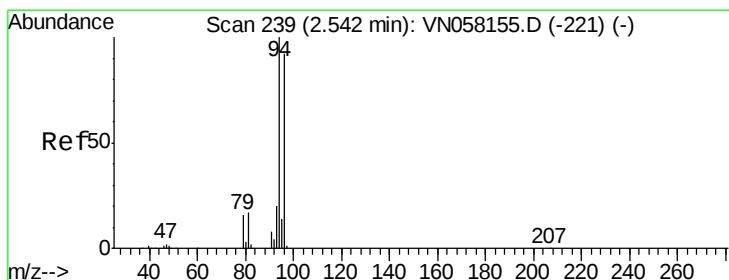
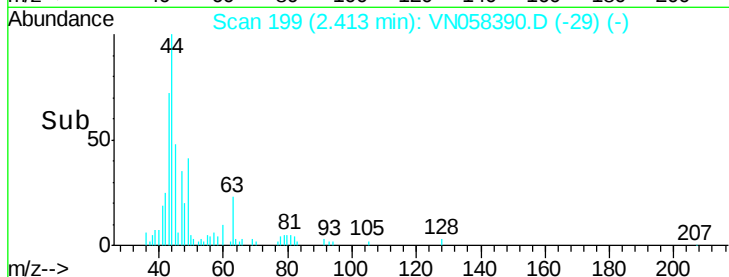
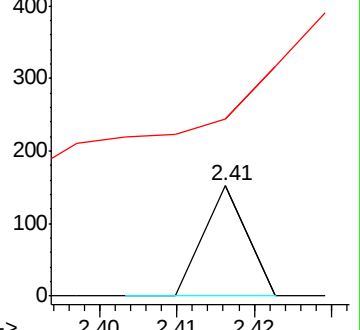
62 100

64 16.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 0.970 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN058390.D

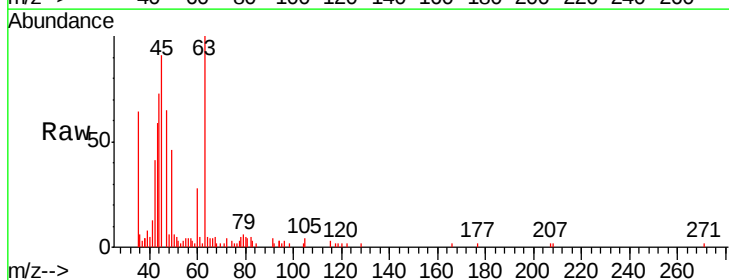
Acq: 26 Sep 2019 16:49

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

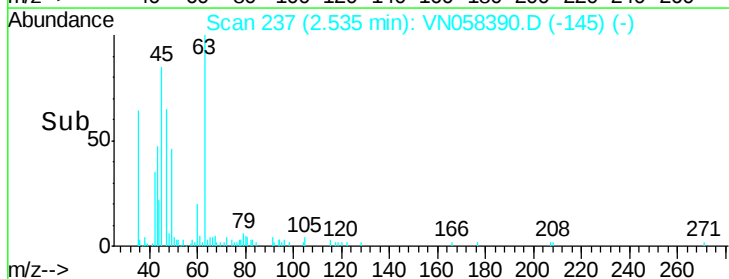
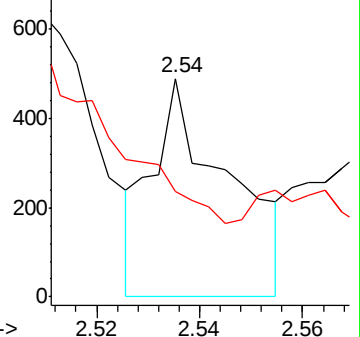
94 100

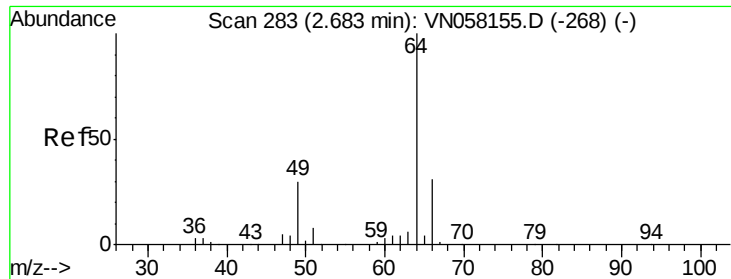
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

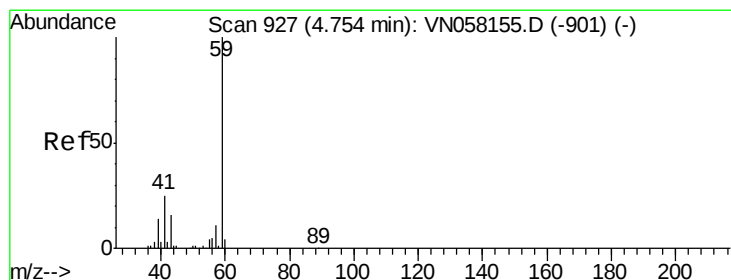
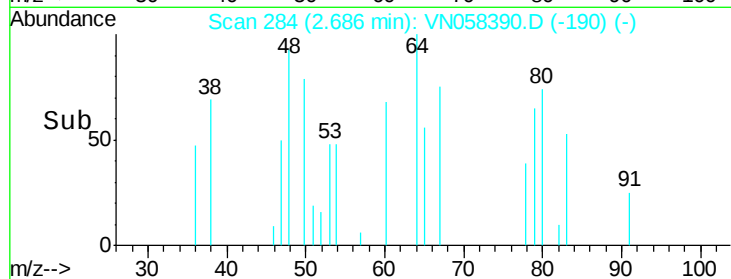
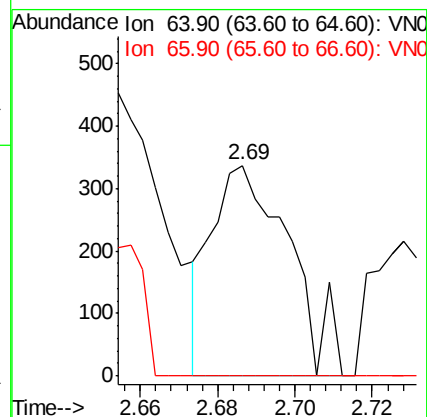
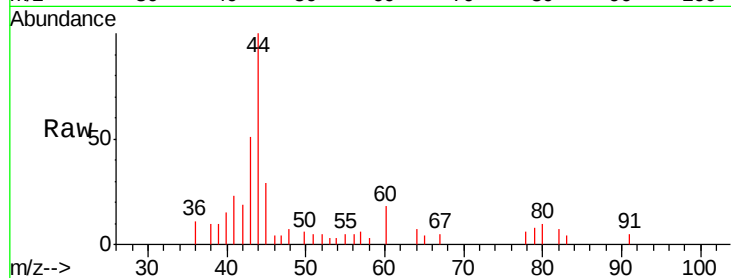
30315

Tgt Ion: 64 Resp: 470

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#11

Tert butyl alcohol

Concen: 24.707 ug/l

RT: 4.87 min Scan# 963

Delta R.T. 0.12 min

Lab File: VN058390.D

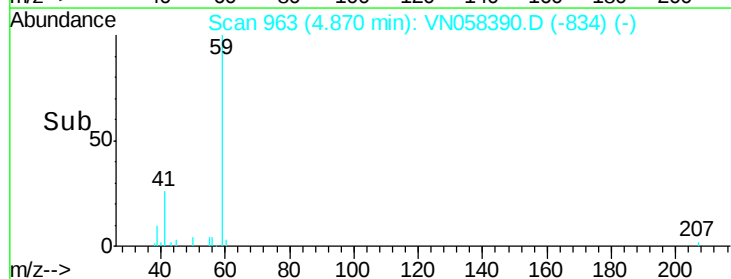
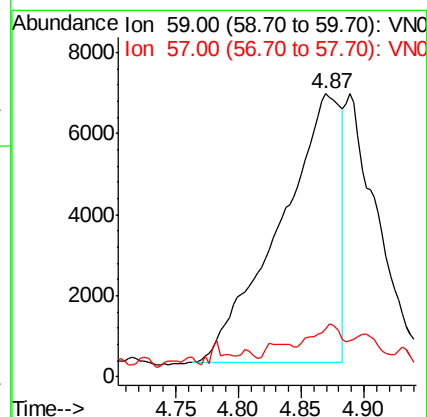
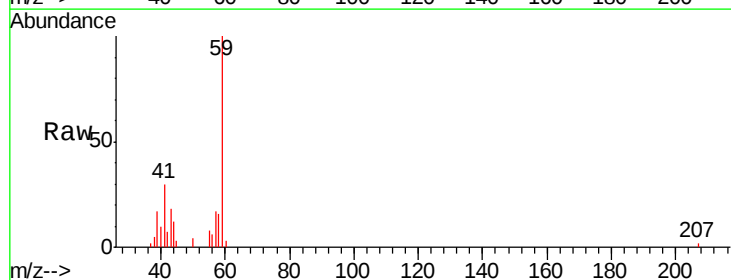
Acq: 26 Sep 2019 16:49

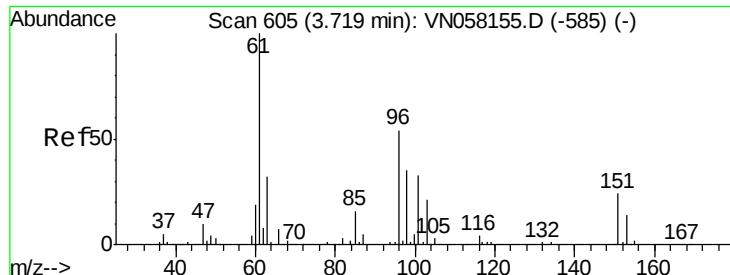
Tgt Ion: 59 Resp: 22288

Ion Ratio Lower Upper

59 100

57 3.2 8.6 13.0#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 3.69 min Scan# 596

Delta R.T. -0.03 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

30315

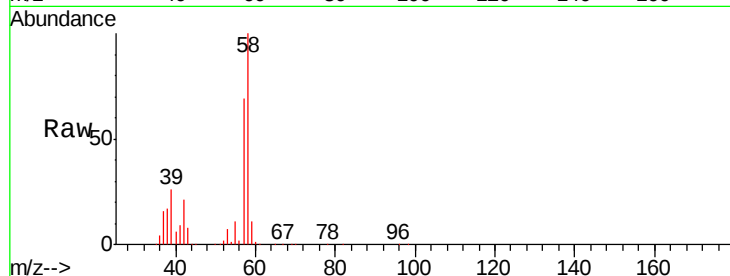
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 144.2 149.5 224.3#

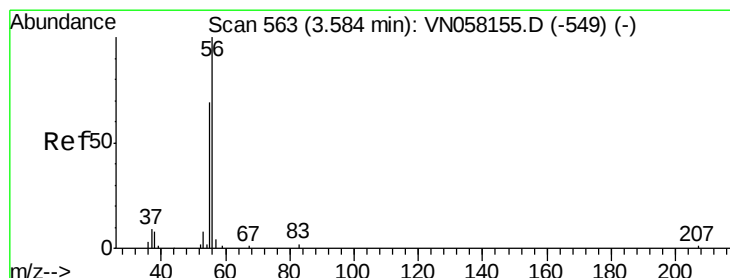
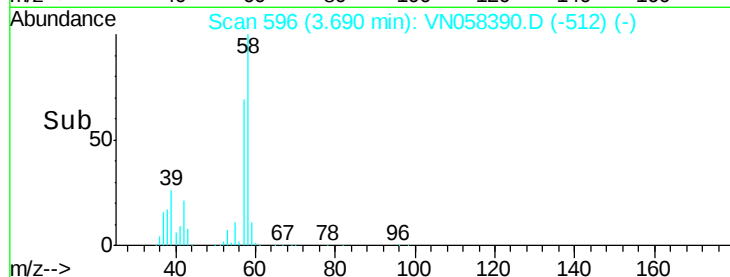
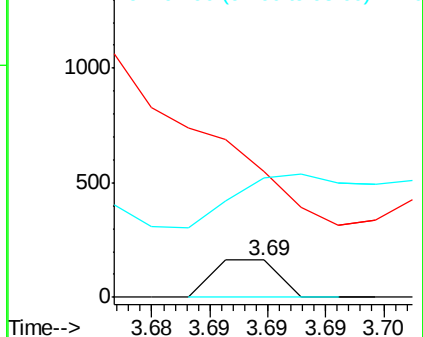
98 134.4 52.4 78.6#



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#13

Acrolein

Concen: 152.915 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.03 min

Lab File: VN058390.D

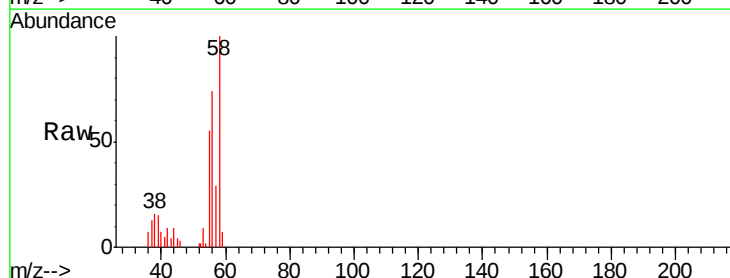
Acq: 26 Sep 2019 16:49

Tgt Ion: 56 Resp: 20443

Ion Ratio Lower Upper

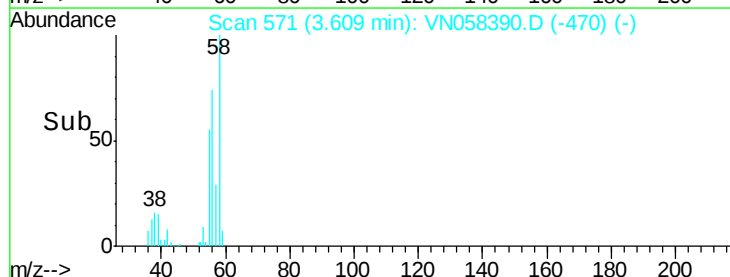
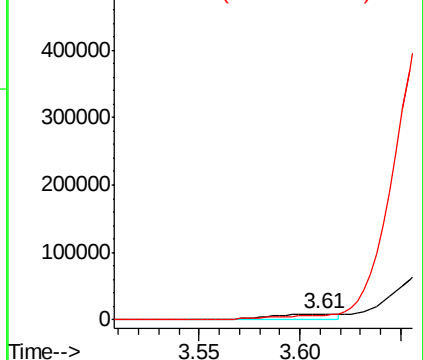
56 100

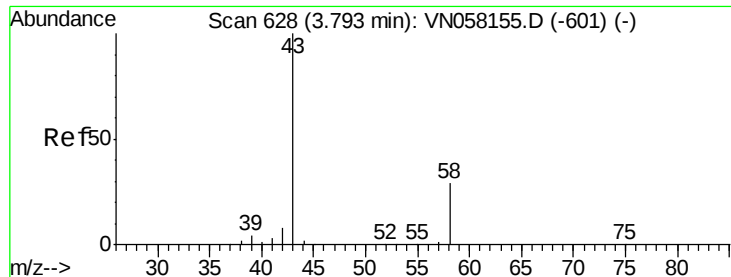
55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

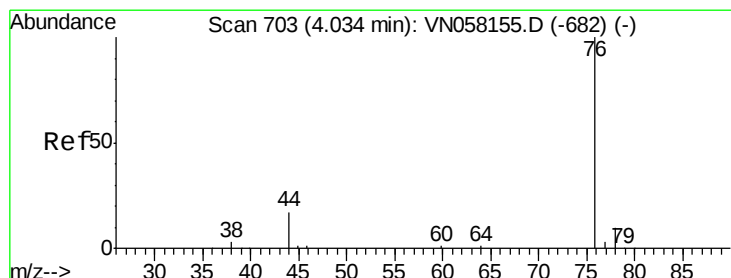
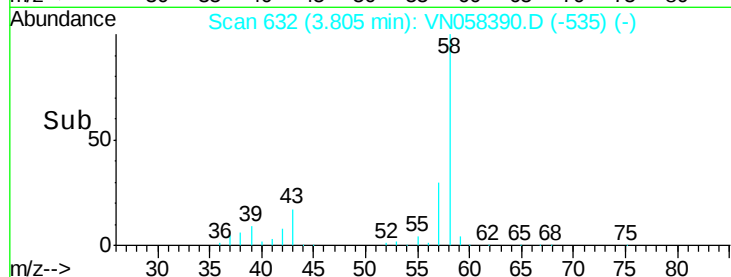
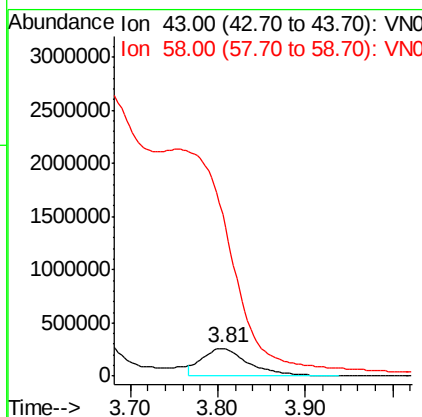
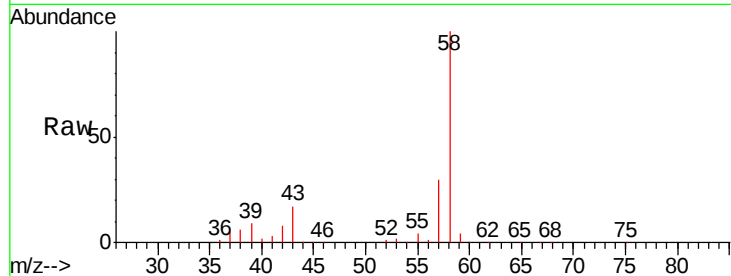




#16
Acetone
Concen: 369.529 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

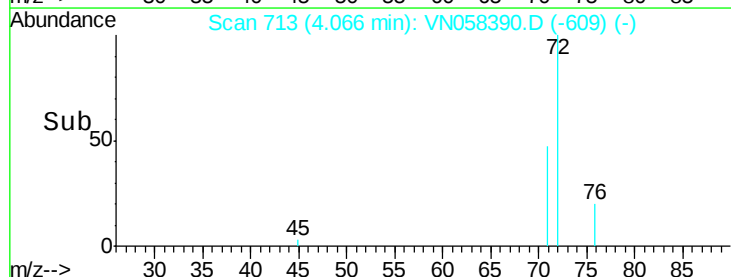
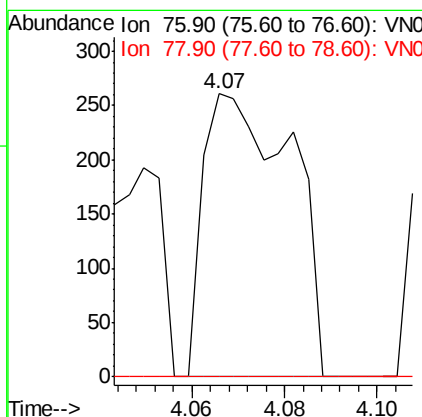
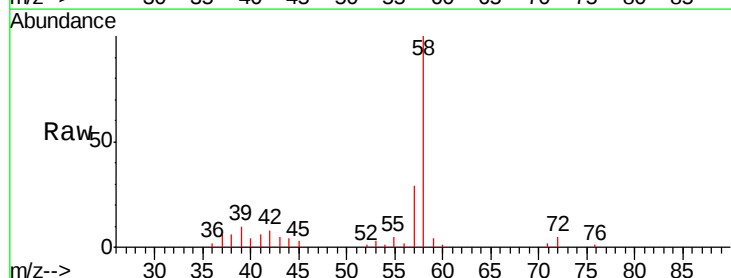
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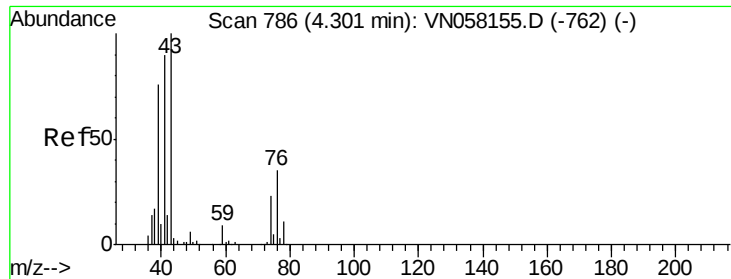
Tgt Ion: 43 Resp: 951252
Ion Ratio Lower Upper
43 100
58 555.7 23.4 35.2#



#17
Carbon Disulfide
Concen: 0.343 ug/l
RT: 4.07 min Scan# 713
Delta R.T. 0.03 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion: 76 Resp: 341
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

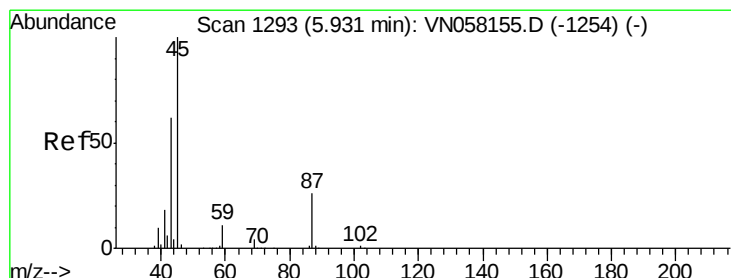
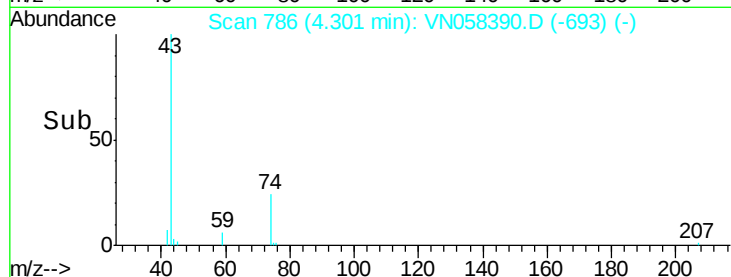
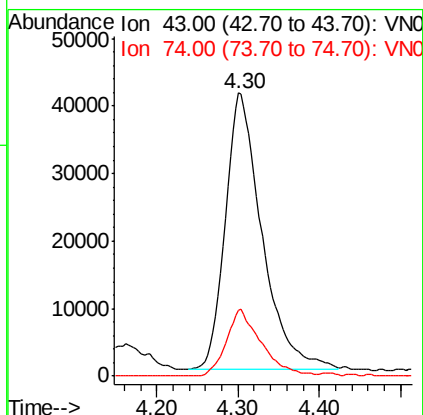
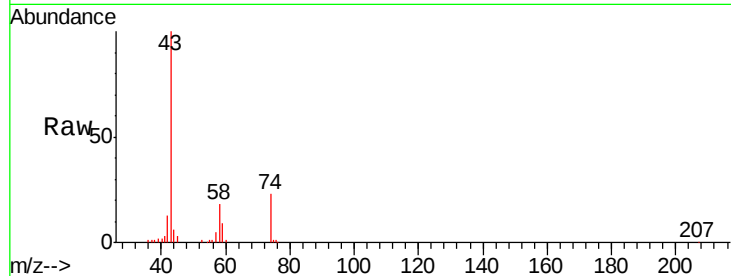




#18
Methyl Acetate
Concen: 19.042 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

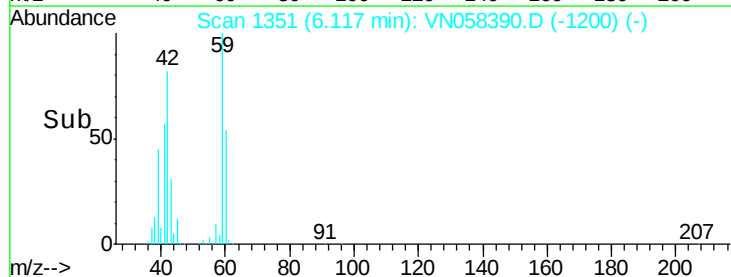
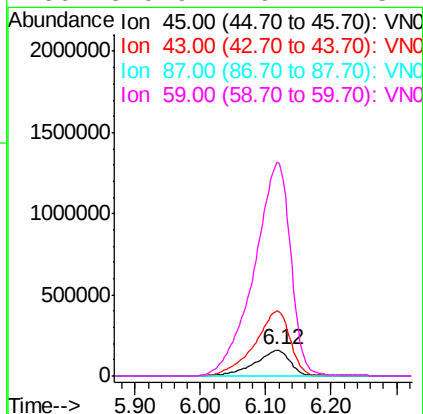
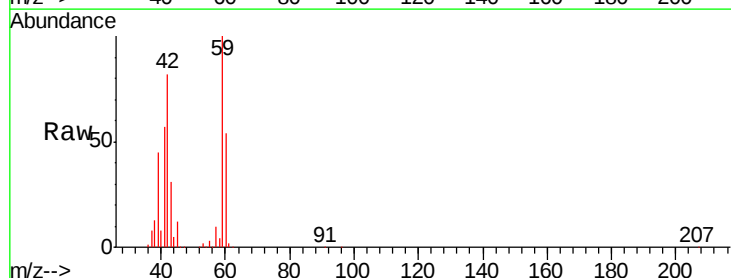
Instrument :
MSVOA_N
ClientSampleId :
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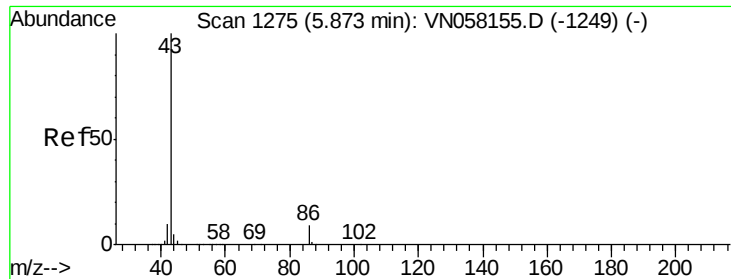
Tgt Ion: 43 Resp: 128986
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0



#22
Diisopropyl ether
Concen: 32.485 ug/l
RT: 6.12 min Scan# 1351
Delta R.T. 0.19 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion: 45 Resp: 594363
Ion Ratio Lower Upper
45 100
43 253.8 49.7 74.5#
87 0.0 20.7 31.1#
59 829.9 9.1 13.7#

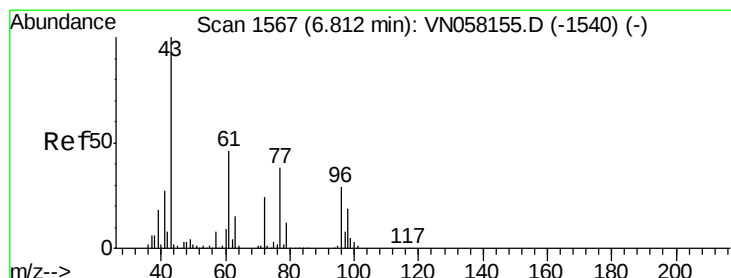
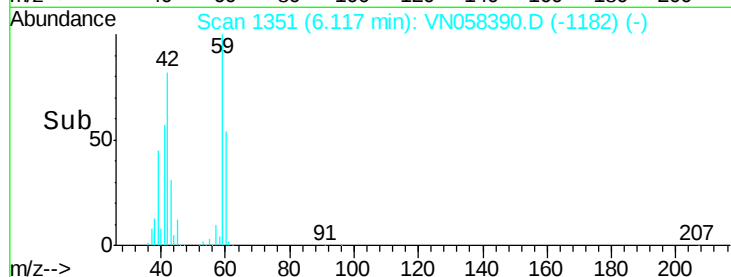
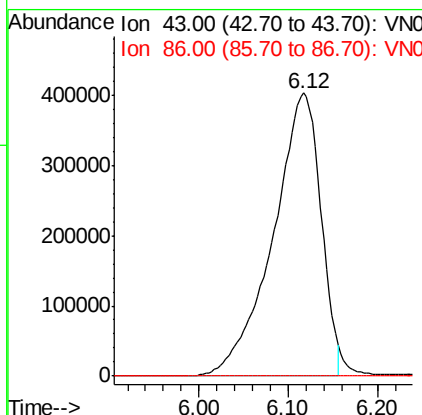
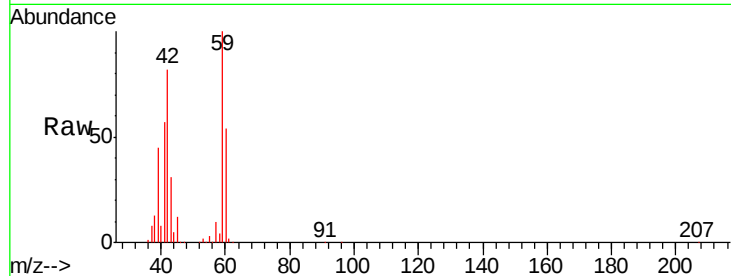




#23
 Vinyl Acetate
 Concen: 119.279 ug/l
 RT: 6.12 min Scan# 1351
 Delta R.T. 0.24 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

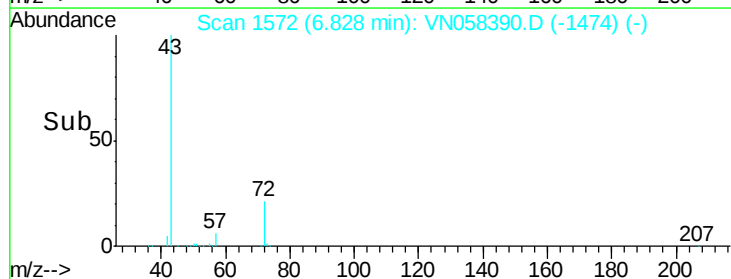
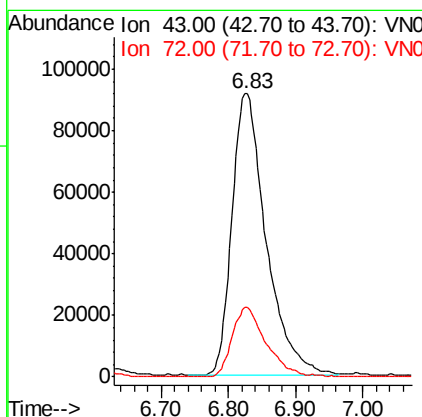
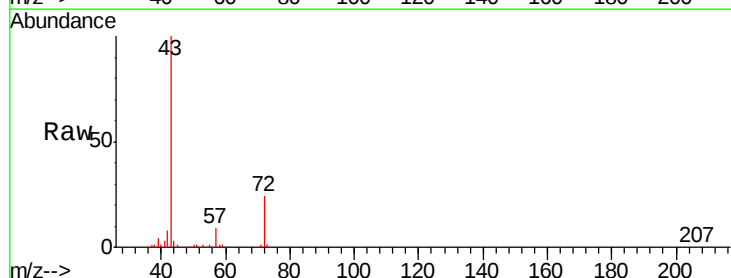
Instrument :
 MSVOA_N
 ClientSampleId :
 30315

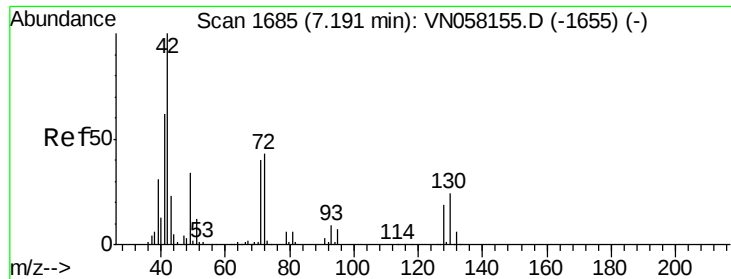
Tgt Ion: 43 Resp: 1493334
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.4 11.2#



#25
 2-Butanone
 Concen: 92.577 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 43 Resp: 324673
 Ion Ratio Lower Upper
 43 100
 72 24.6 19.5 29.3

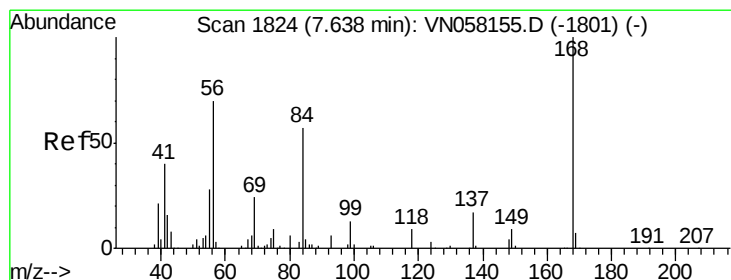
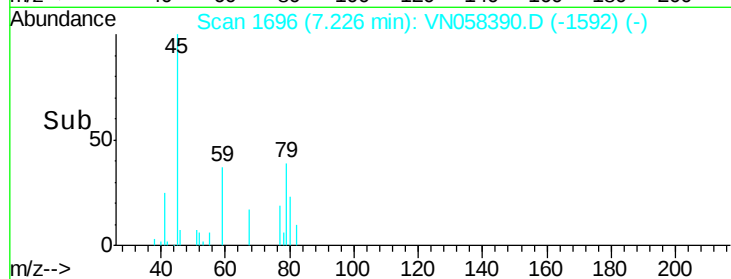
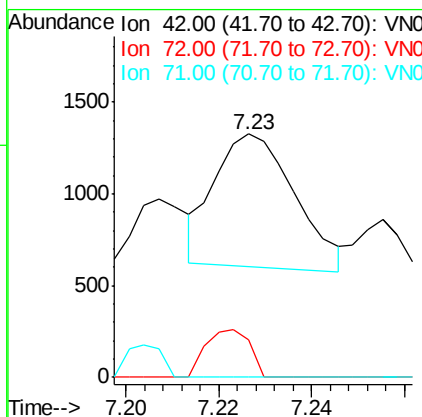
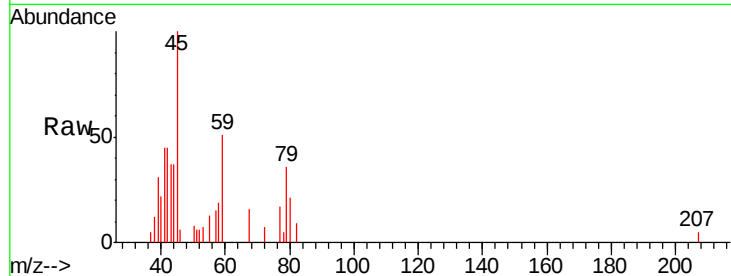




#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.04 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

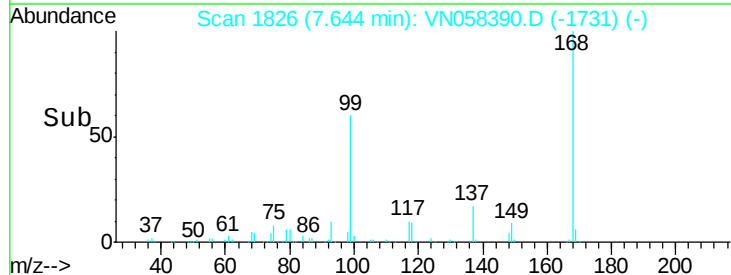
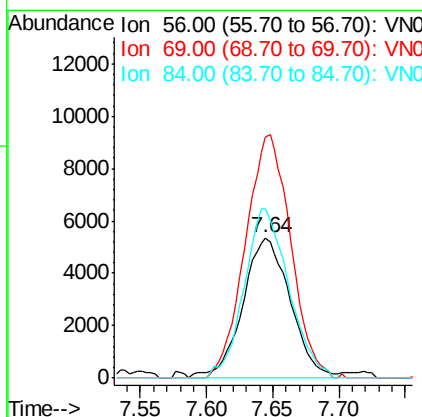
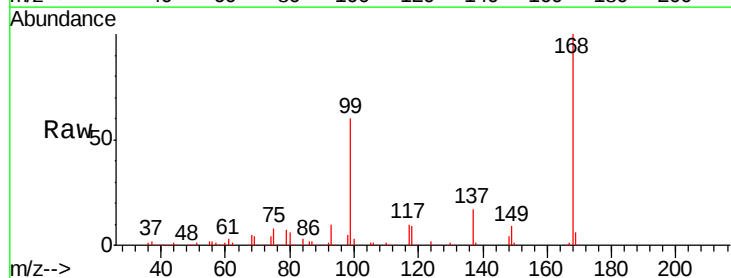
Instrument :
MSVOA_N
ClientSampled :
30315

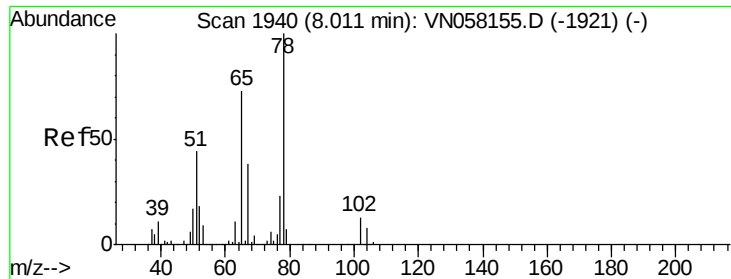
Tgt Ion: 42 Resp: 872
Ion Ratio Lower Upper
42 100
72 19.5 33.8 50.6#
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion: 56 Resp: 13372
Ion Ratio Lower Upper
56 100
69 172.1 27.3 40.9#
84 121.0 65.0 97.4#

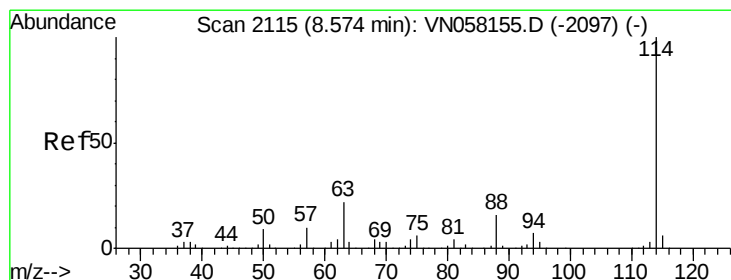
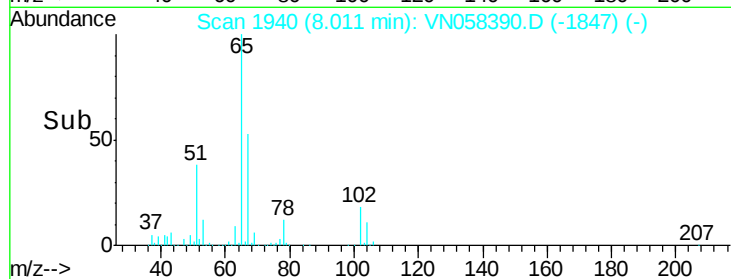
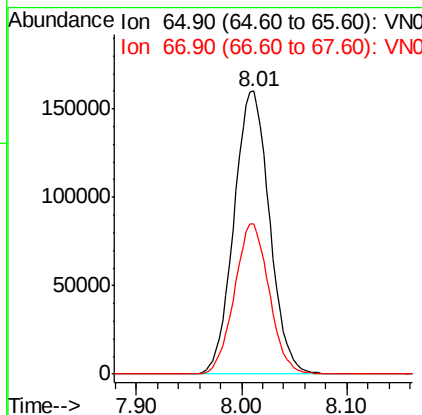
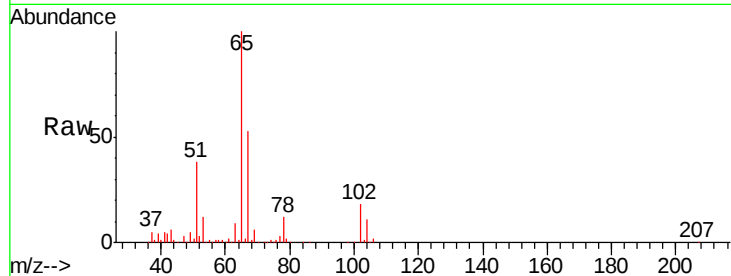




#33
 1,2-Dichloroethane-d4
 Concen: 49.385 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

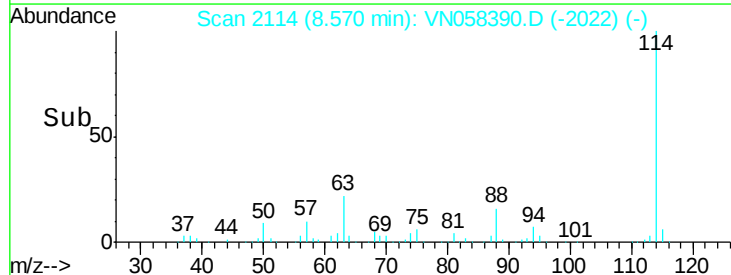
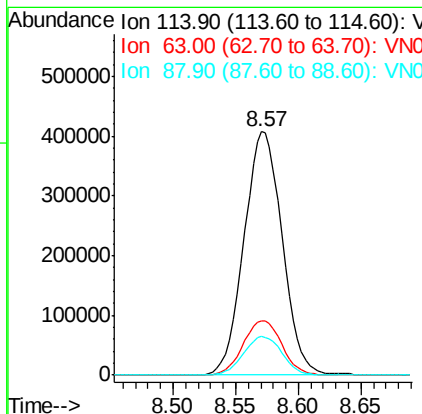
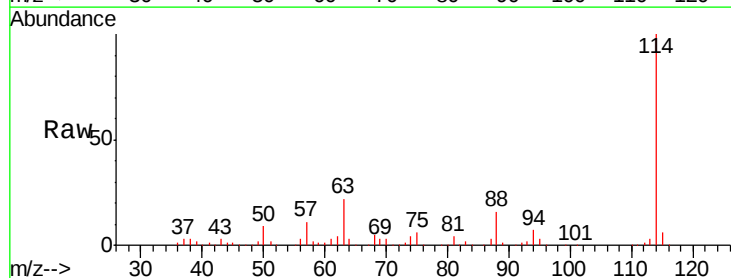
Instrument :
 MSVOA_N
 ClientSampleId :
 30315

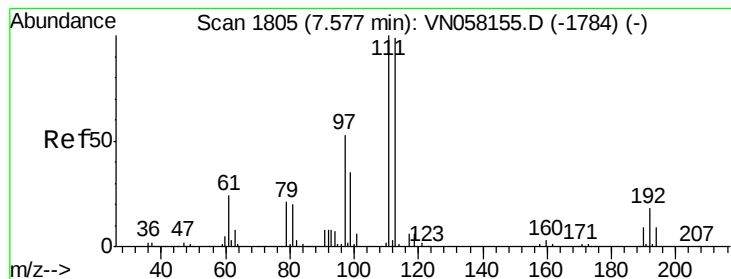
Tgt Ion: 65 Resp: 374521
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 114 Resp: 864337
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.185 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

30315

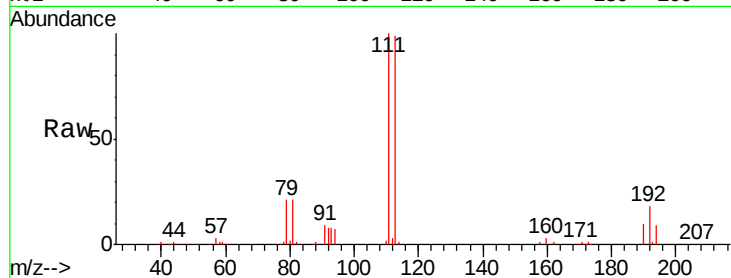
Tgt Ion:113 Resp: 247931

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.6

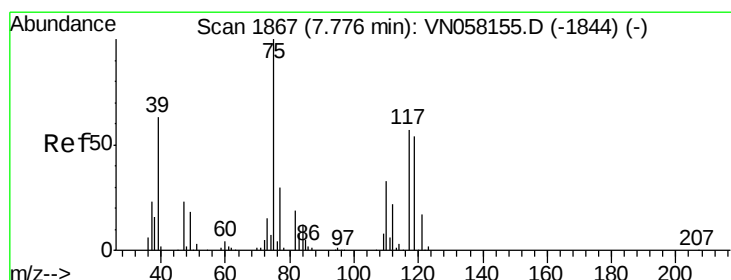
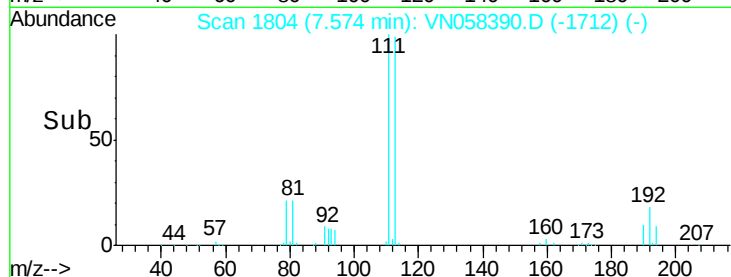
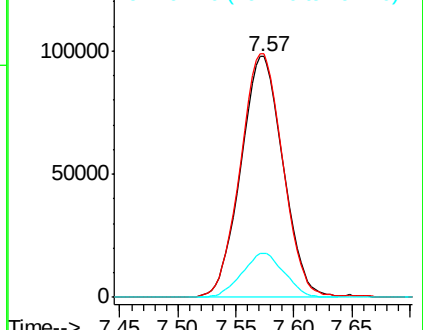
192 18.4 14.5 21.7



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: 7.286 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

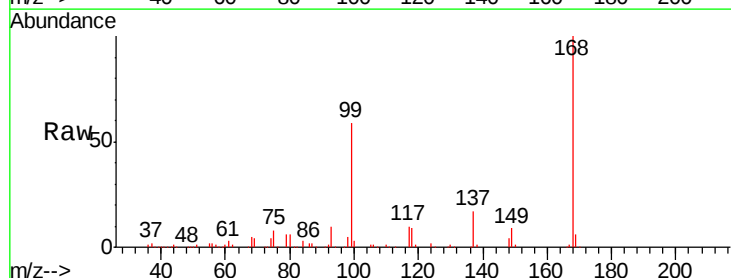
Tgt Ion: 75 Resp: 45415

Ion Ratio Lower Upper

75 100

110 8.6 16.6 49.7#

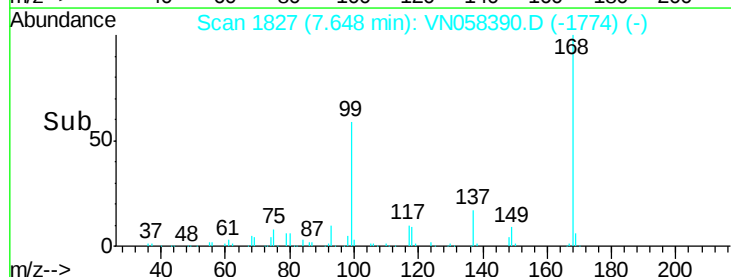
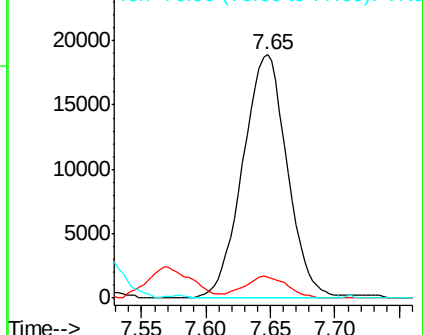
77 0.0 24.3 36.5#

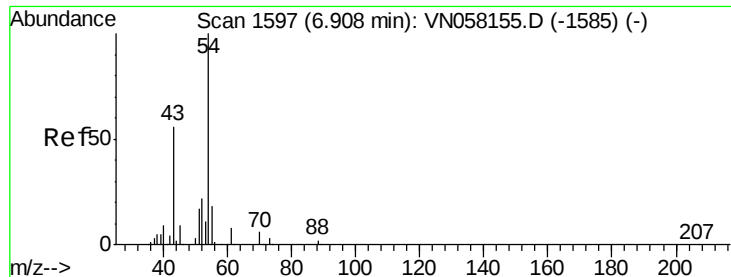


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 50.192 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.08 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

30315

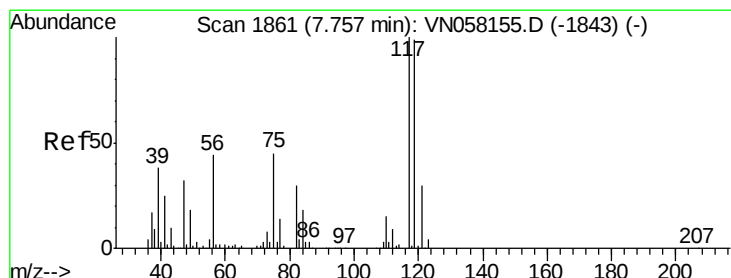
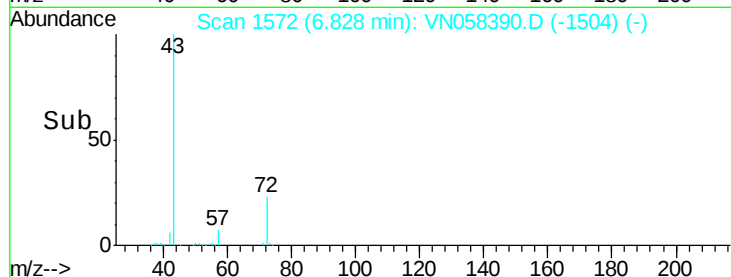
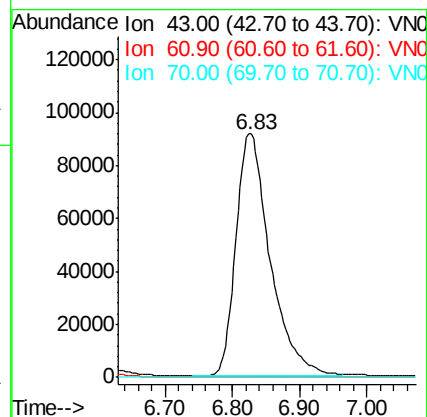
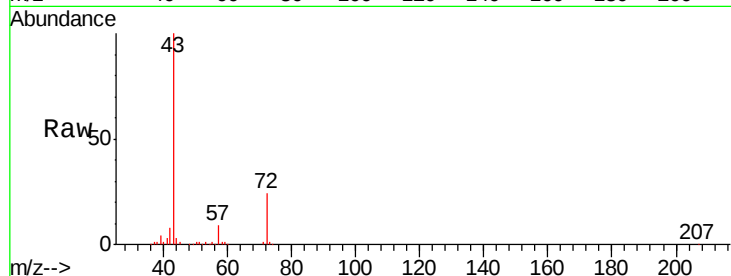
Tgt Ion: 43 Resp: 324673

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.6 11.4#



#38

Carbon Tetrachloride

Concen: 8.789 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

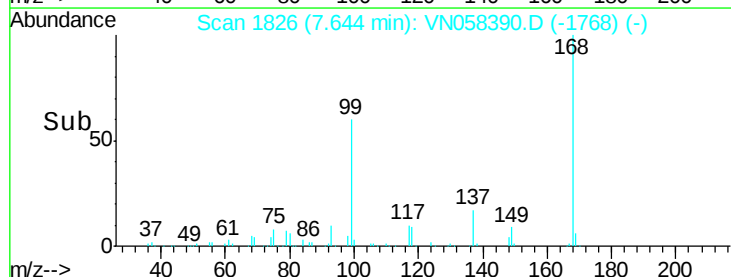
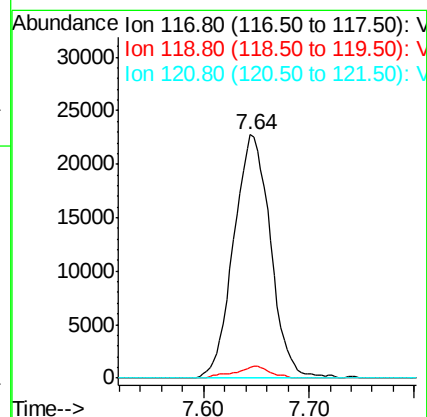
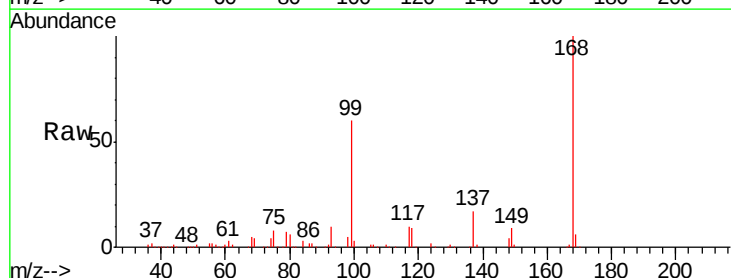
Tgt Ion: 117 Resp: 55072

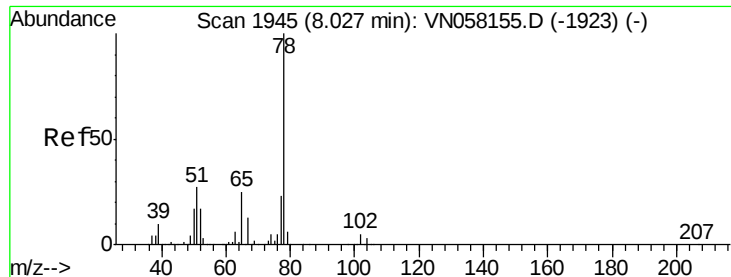
Ion Ratio Lower Upper

117 100

119 4.6 78.6 117.8#

121 0.0 24.1 36.1#





#40

Benzene

Concen: 3.030 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.01 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

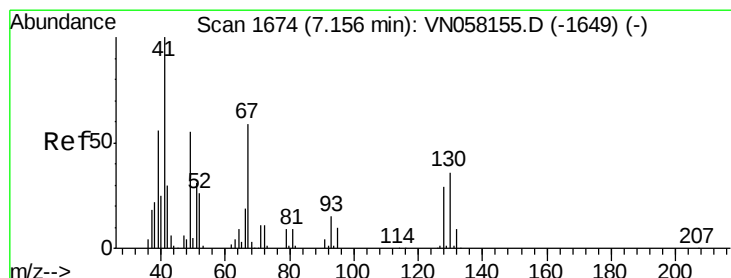
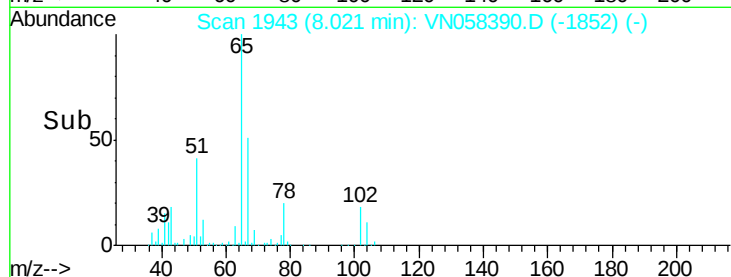
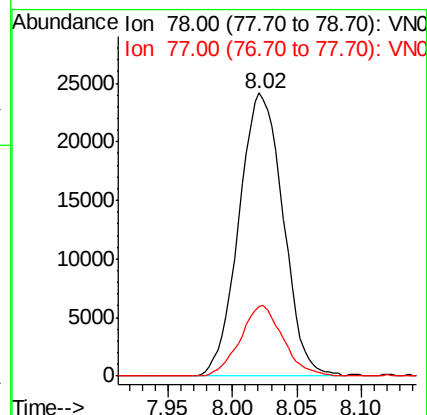
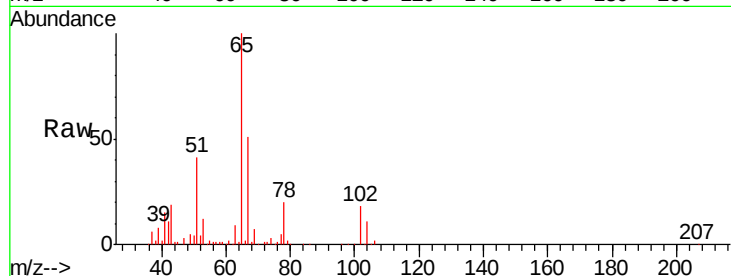
30315

Tgt Ion: 78 Resp: 57683

Ion Ratio Lower Upper

78 100

77 24.8 18.8 28.2



#41

Methacrylonitrile

Concen: 0.983 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Tgt Ion: 41 Resp: 240

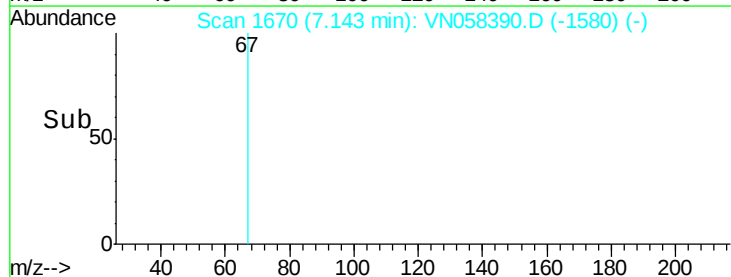
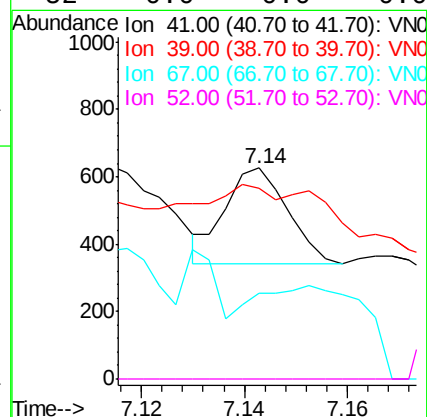
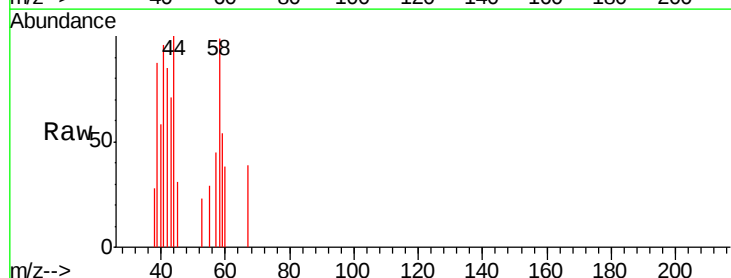
Ion Ratio Lower Upper

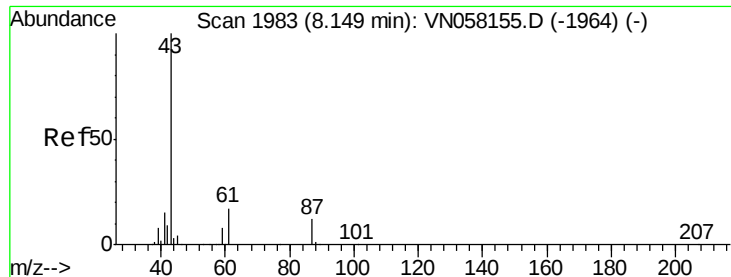
41 100

39 0.0 0.0 0.0

67 158.8 0.0 0.0#

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 3.764 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

30315

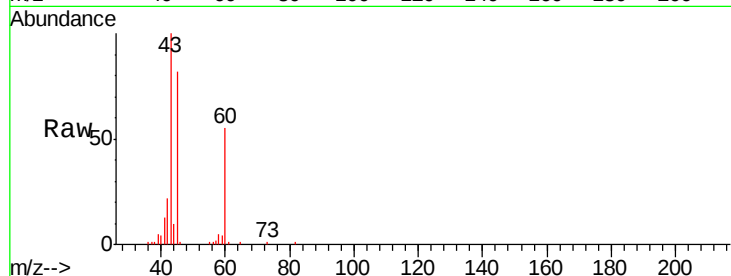
Tgt Ion: 43 Resp: 45469

Ion Ratio Lower Upper

43 100

61 0.6 19.7 29.5#

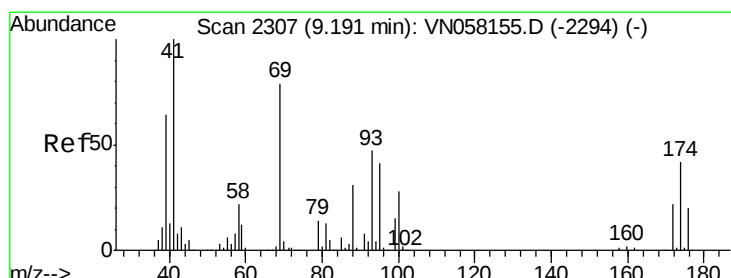
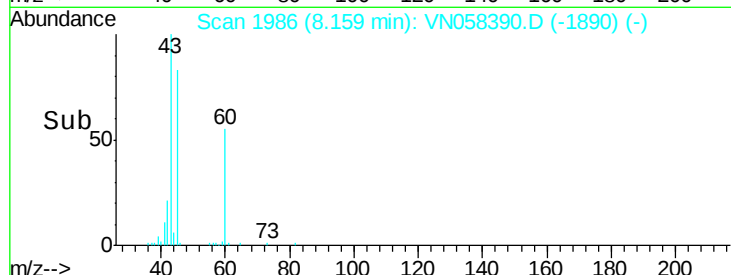
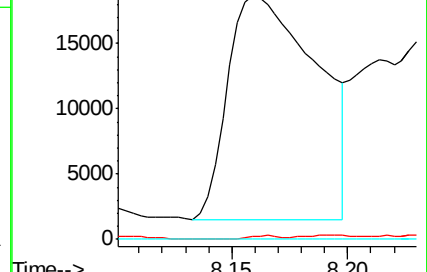
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058390.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058390.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058390.D (-1890) (-)



#48

Methyl methacrylate

Concen: 2.203 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

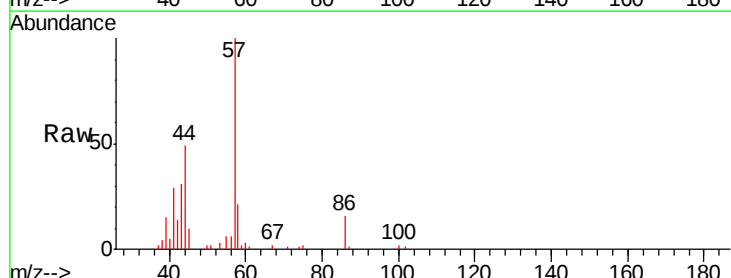
Tgt Ion: 41 Resp: 12082

Ion Ratio Lower Upper

41 100

69 0.0 62.5 93.7#

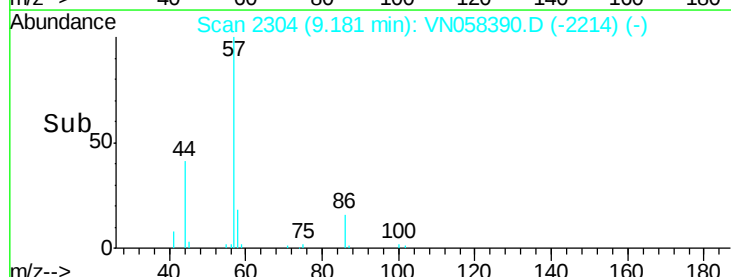
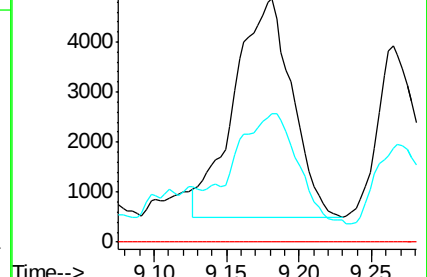
39 50.9 52.3 78.5#

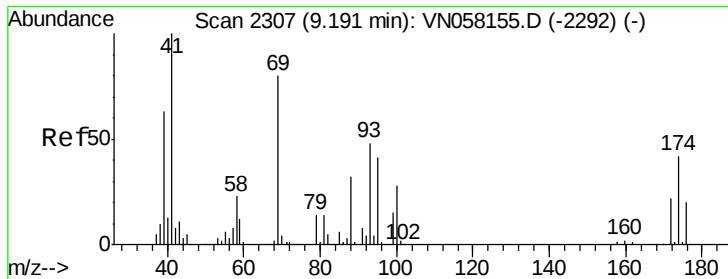


Abundance Ion 41.00 (40.70 to 41.70): VN058390.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058390.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058390.D (-2214) (-)

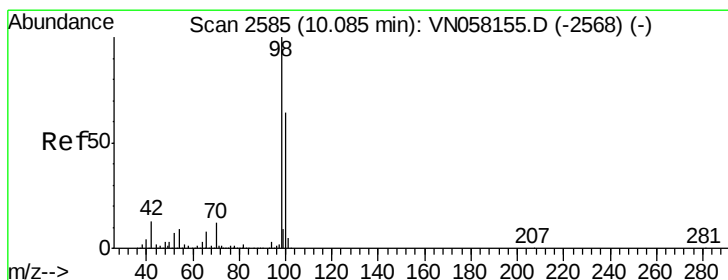
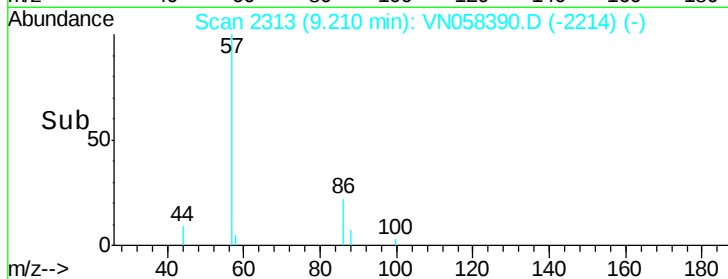
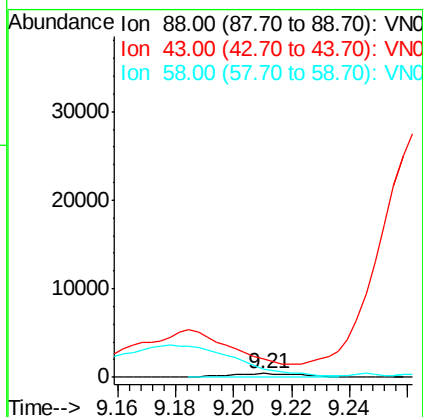
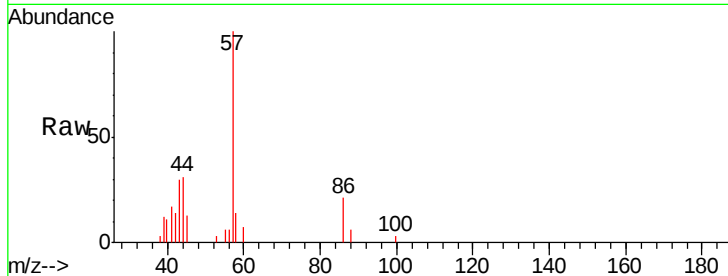




#49
 1,4-Dioxane
 Concen: 8.361 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.02 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

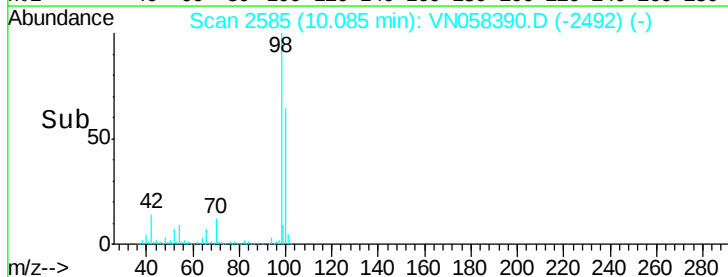
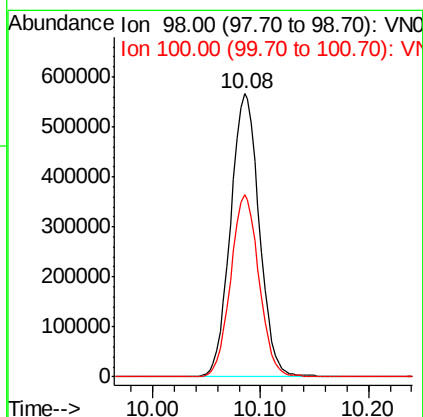
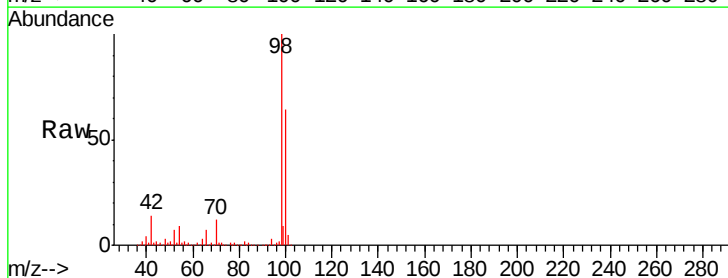
Instrument :
 MSVOA_N
 ClientSampled :
 30315

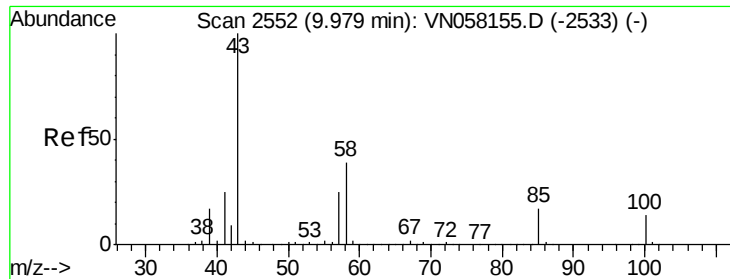
Tgt Ion: 88 Resp: 753
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.8 41.8#
 58 0.0 55.0 82.4#



#50
 Toluene-d8
 Concen: 51.226 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 98 Resp: 1048725
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.680 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

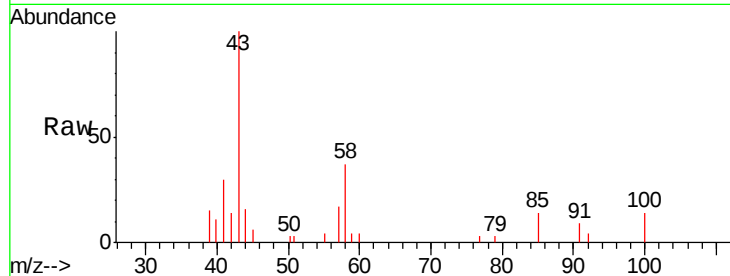
30315

Tgt Ion: 43 Resp: 10782

Ion Ratio Lower Upper

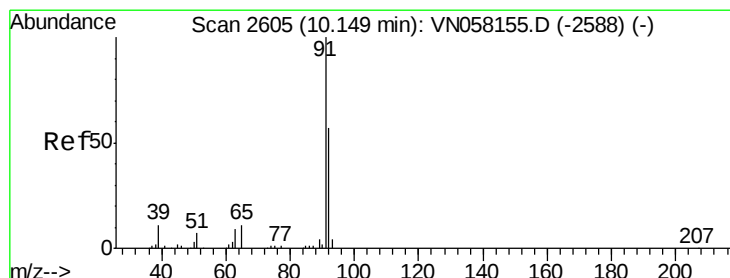
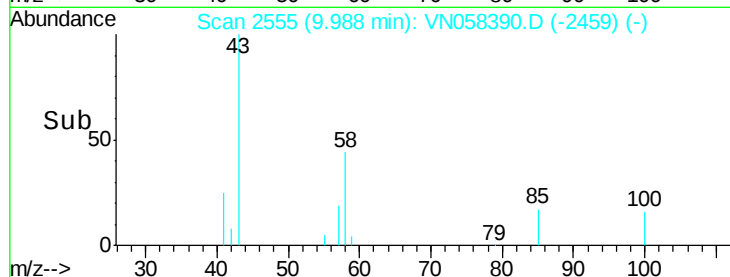
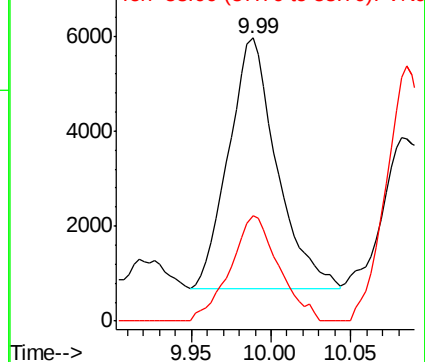
43 100

58 42.4 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 8.602 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058390.D

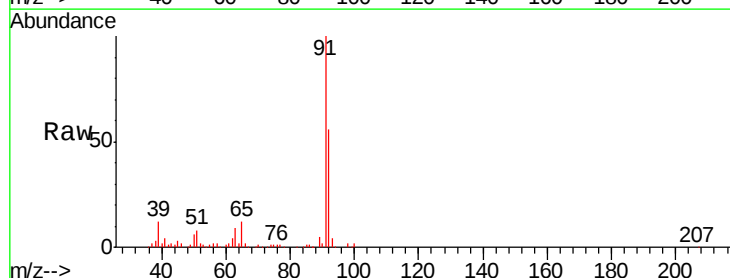
Acq: 26 Sep 2019 16:49

Tgt Ion: 92 Resp: 102639

Ion Ratio Lower Upper

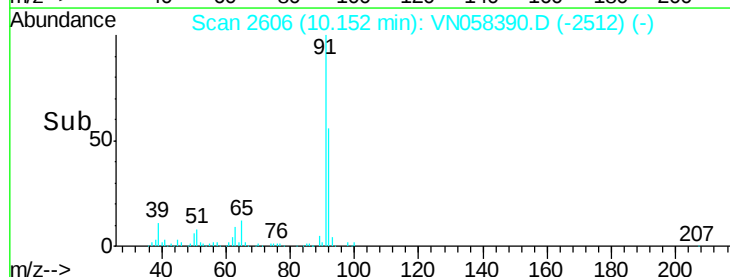
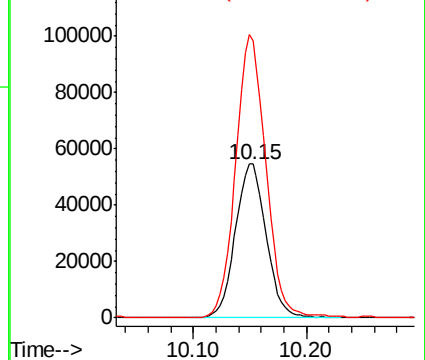
92 100

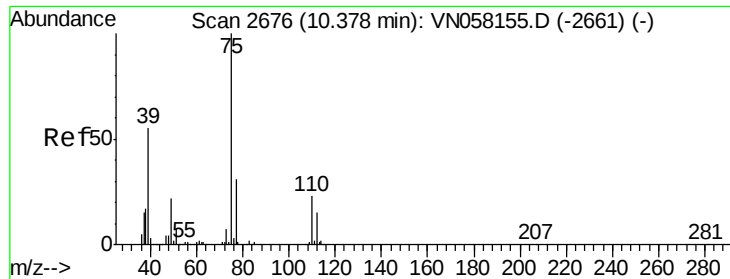
91 182.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.141 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

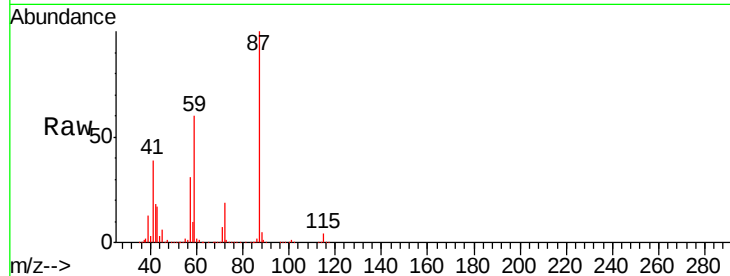
30315

Tgt Ion: 75 Resp: 8467

Ion Ratio Lower Upper

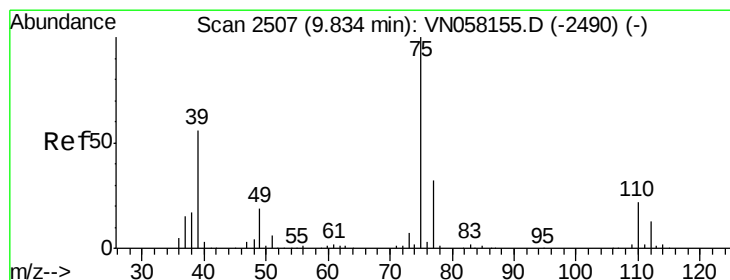
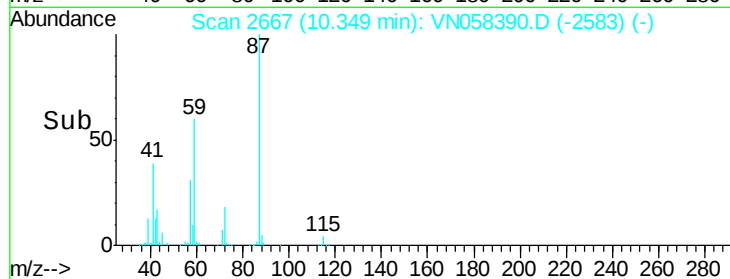
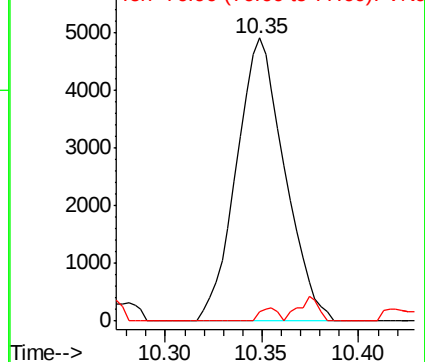
75 100

77 3.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. -0.13 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

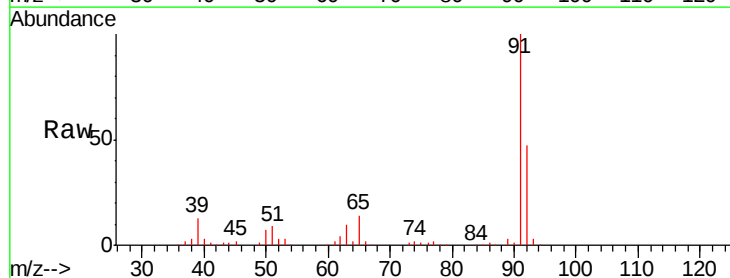
Tgt Ion: 75 Resp: 1721

Ion Ratio Lower Upper

75 100

77 227.0 25.4 38.0#

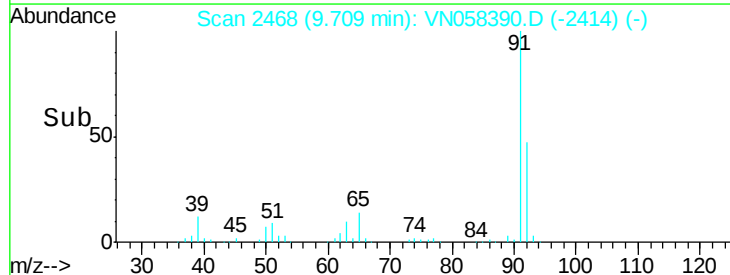
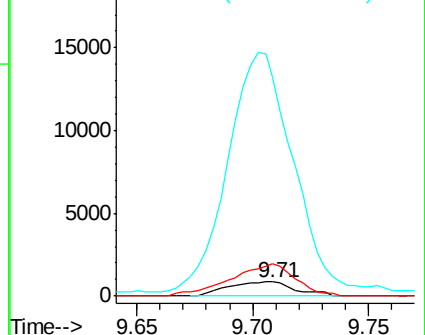
39 1434.8 45.0 67.6#

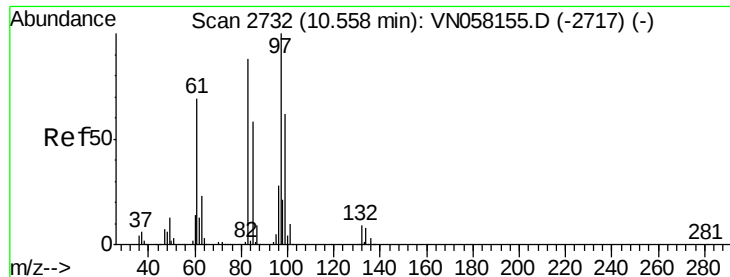


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 0.241 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.06 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :
30315

Tgt Ion: 97 Resp: 1277

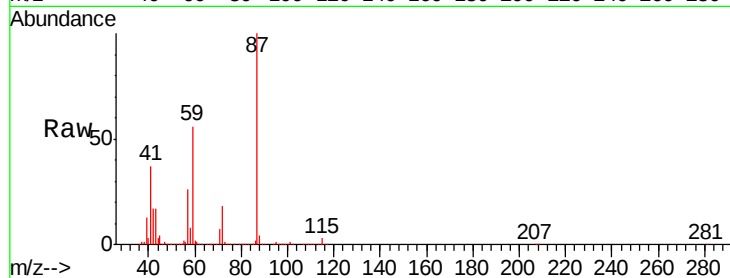
Ion Ratio Lower Upper

97 100

83 294.5 70.4 105.6#

85 254.7 46.8 70.2#

99 30.7 49.9 74.9#

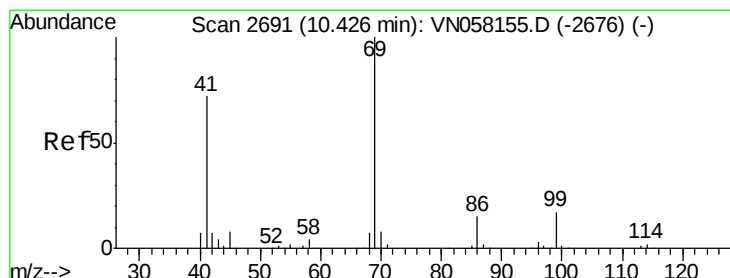
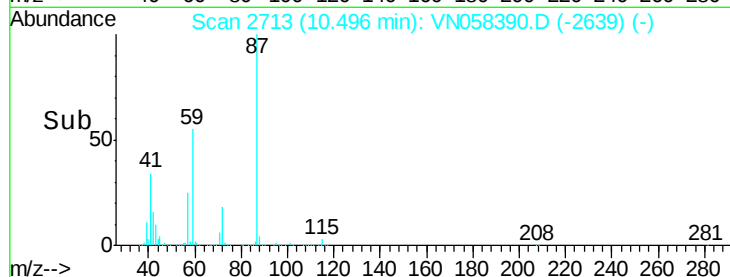
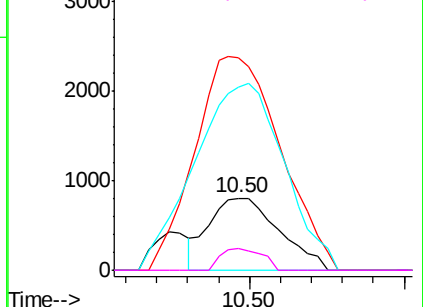


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 1.332 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. -0.07 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

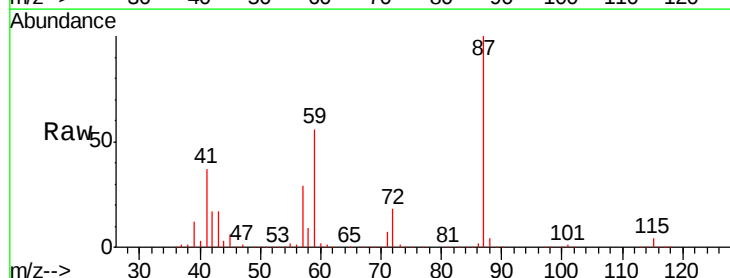
Tgt Ion: 69 Resp: 10176

Ion Ratio Lower Upper

69 100

41 8844.4 57.5 86.3#

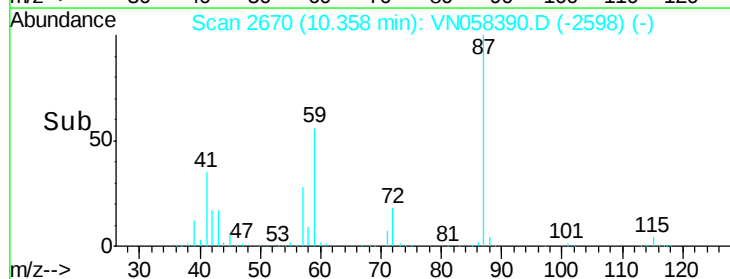
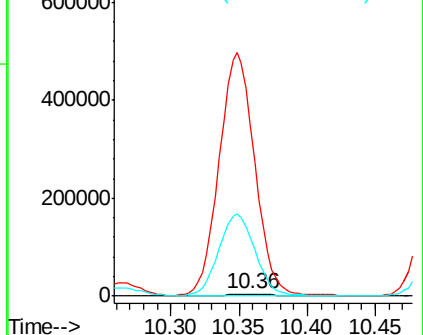
39 3027.5 36.1 54.1#

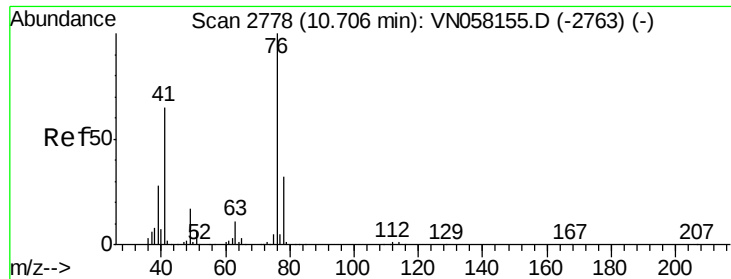


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

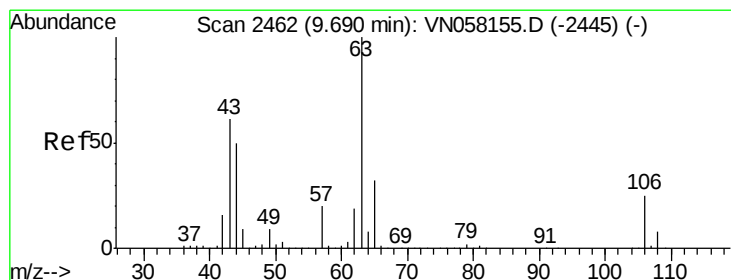
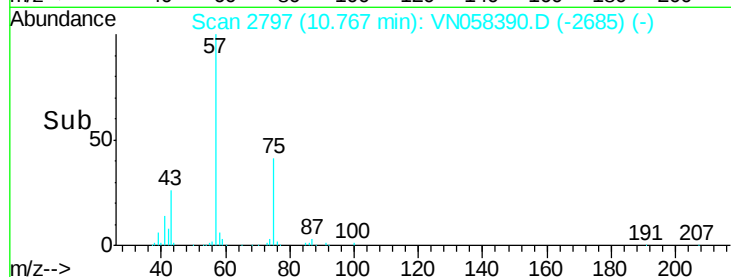
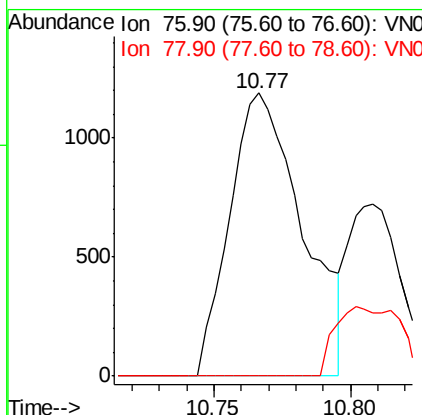
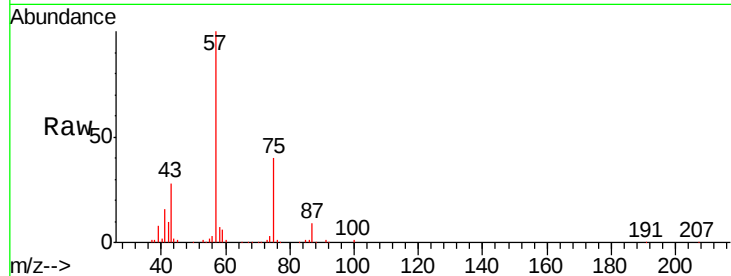




#57
 1,3-Dichloropropane
 Concen: 0.241 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

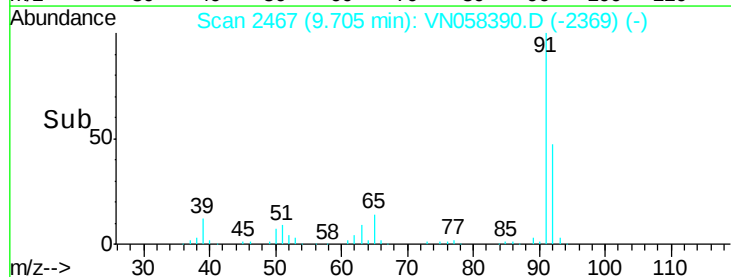
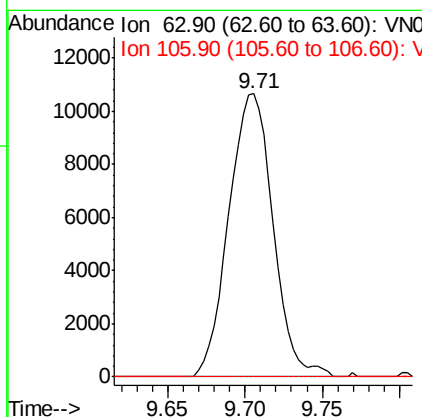
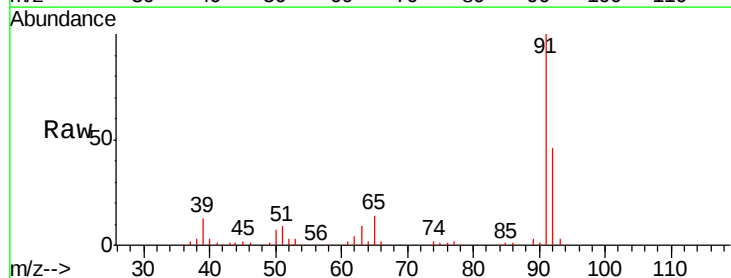
Instrument :
 MSVOA_N
 ClientSampled :
 30315

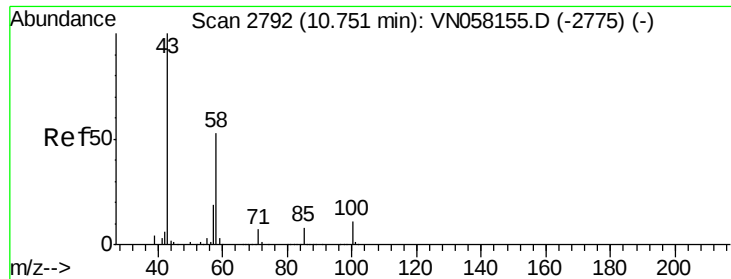
Tgt Ion: 76 Resp: 2195
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.818 ug/l
 RT: 9.71 min Scan# 2467
 Delta R.T. 0.02 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 63 Resp: 21173
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.9 29.9#





#59

2-Hexanone

Concen: 8.982 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

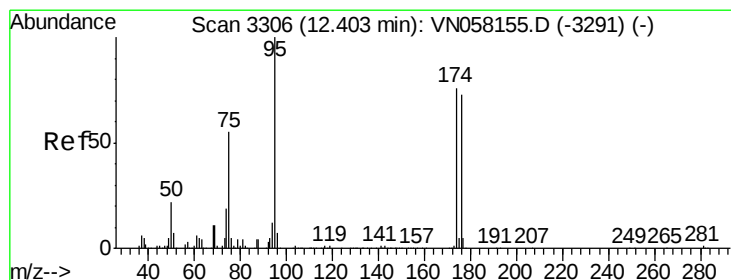
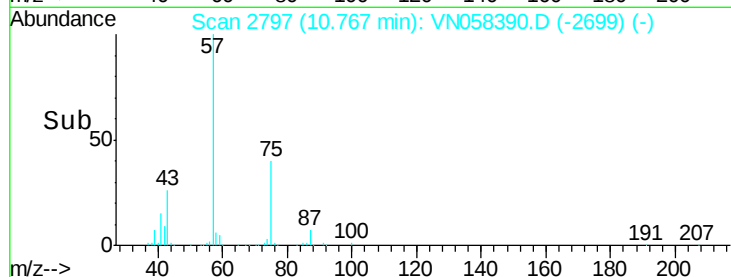
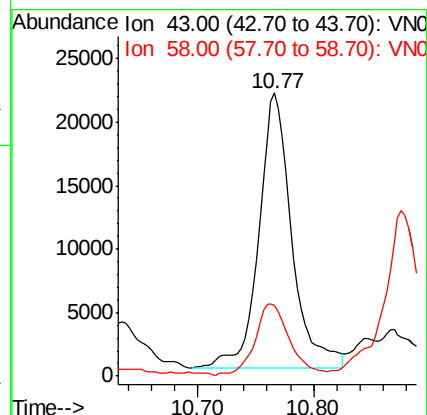
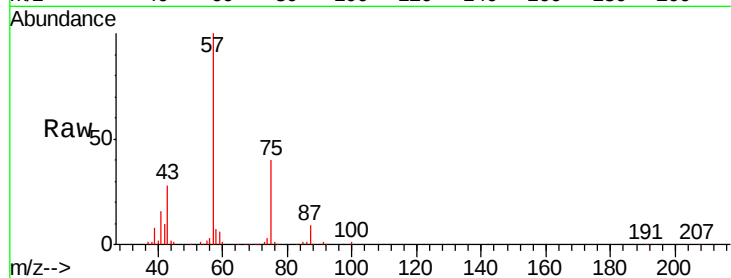
ClientSampleId :
30315

Tgt Ion: 43 Resp: 42806

Ion Ratio Lower Upper

43 100

58 28.2 26.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.453 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

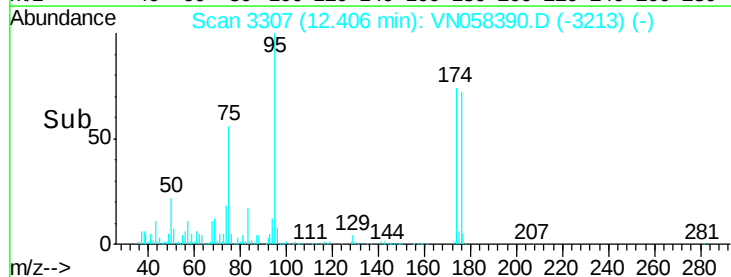
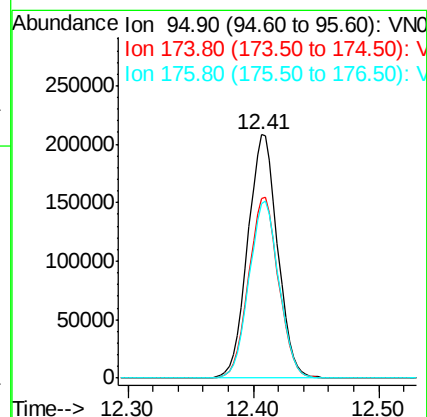
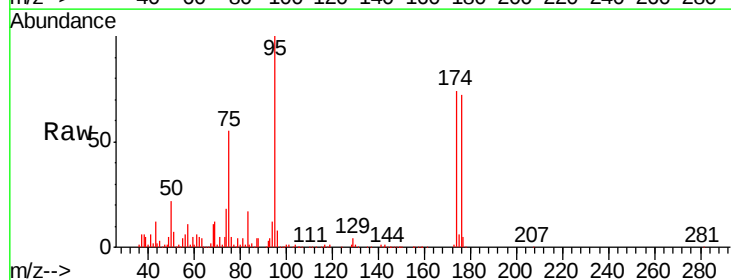
Tgt Ion: 95 Resp: 345661

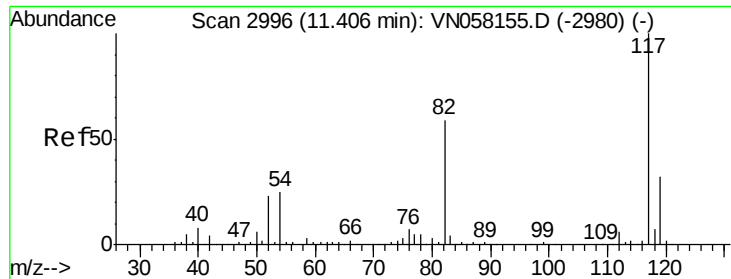
Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.2

176 72.7 0.0 148.0

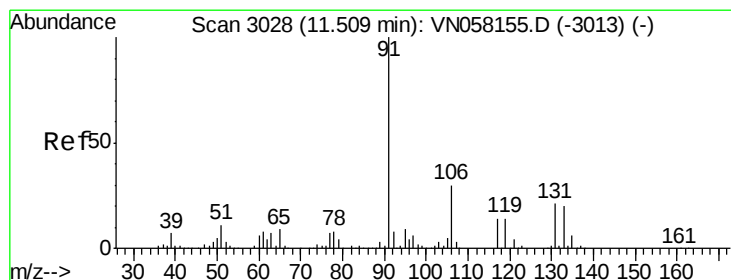
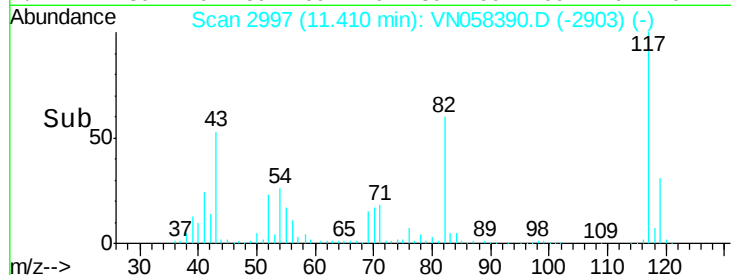
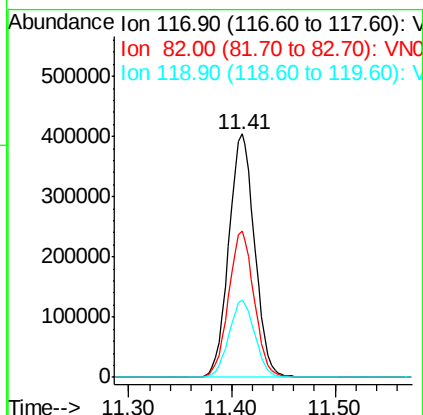
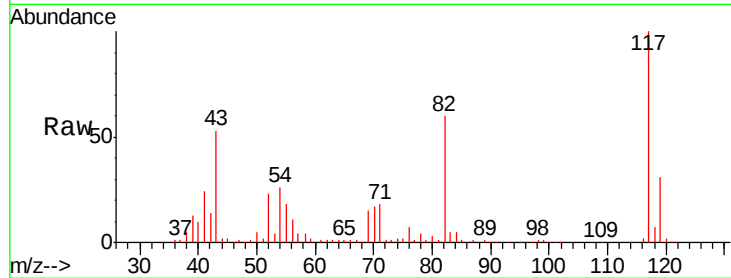




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

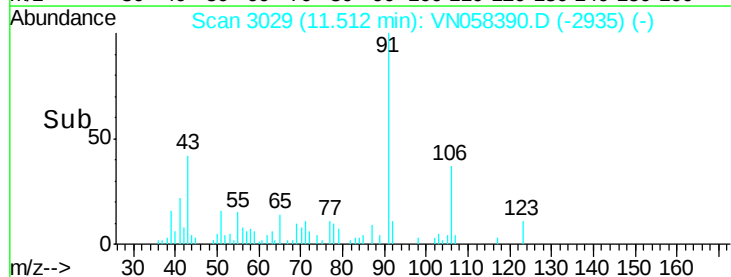
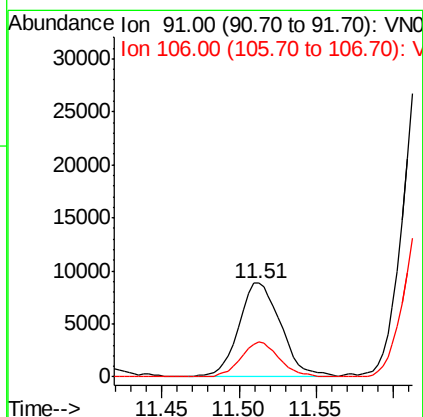
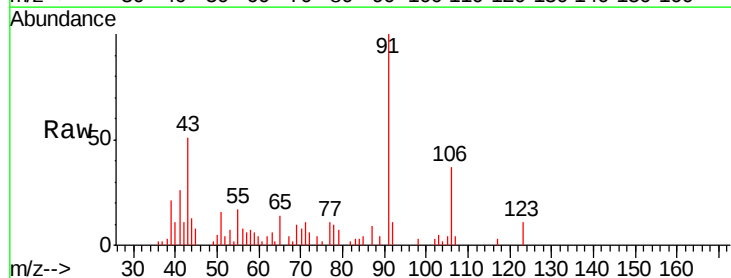
Instrument :
MSVOA_N
ClientSampled :
30315

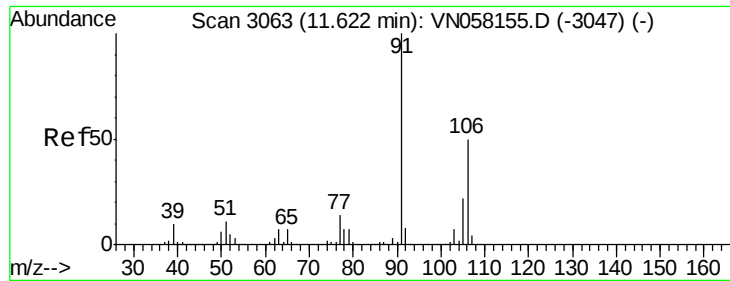
Tgt Ion: 117 Resp: 706869
Ion Ratio Lower Upper
117 100
82 59.9 46.9 70.3
119 31.5 25.3 37.9



#67
Ethyl Benzene
Concen: 0.789 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion: 91 Resp: 16812
Ion Ratio Lower Upper
91 100
106 36.8 24.0 36.0#

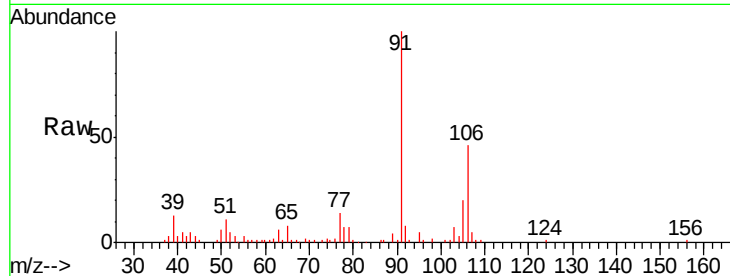




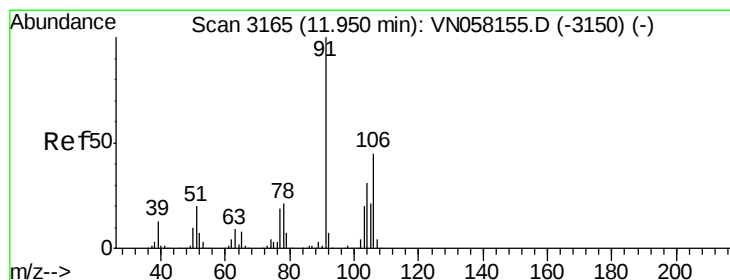
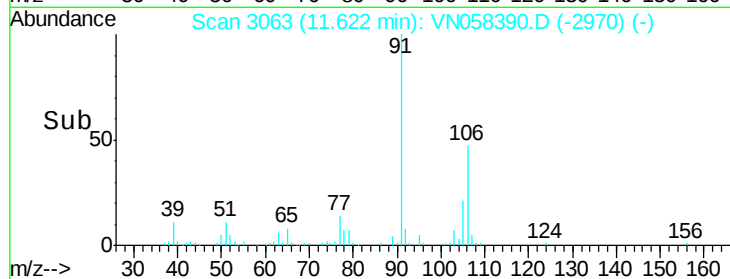
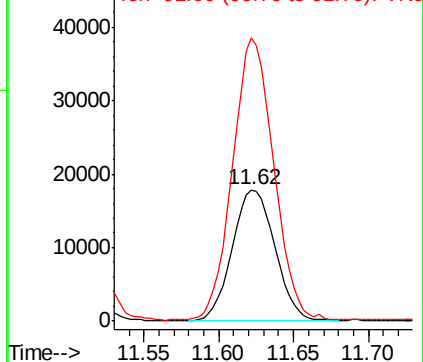
#68
m/p-Xylenes
Concen: 4.436 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Instrument :
MSVOA_N
ClientSampled :
30315

Tgt Ion:106 Resp: 35597
Ion Ratio Lower Upper
106 100
91 209.6 163.6 245.4

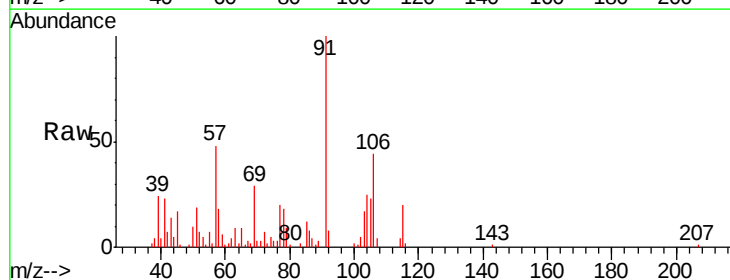


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

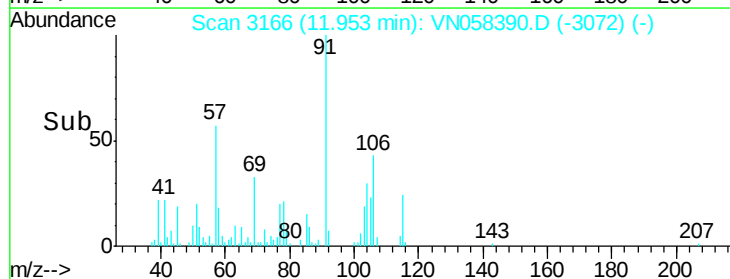
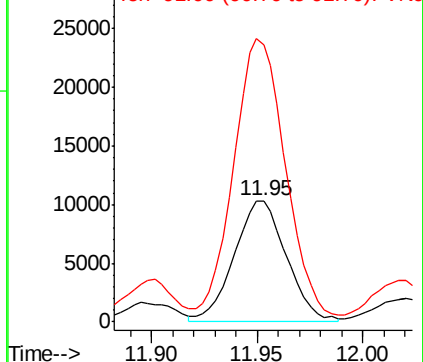


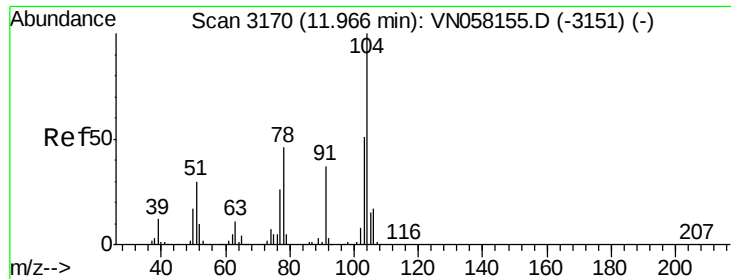
#69
o-Xylene
Concen: 2.249 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion:106 Resp: 17742
Ion Ratio Lower Upper
106 100
91 222.4 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#70

Styrene

Concen: 1.868 ug/l

RT: 11.97 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :
30315

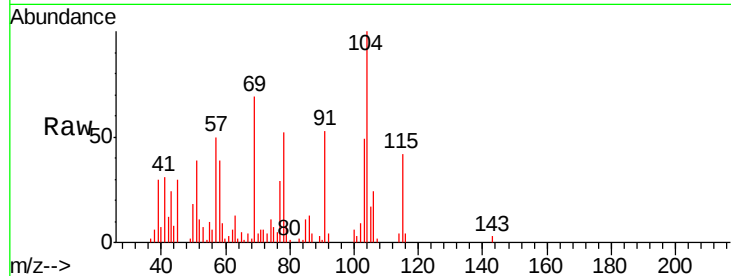
Tgt Ion:104 Resp: 25398

Ion Ratio Lower Upper

104 100

78 53.4 41.8 62.8

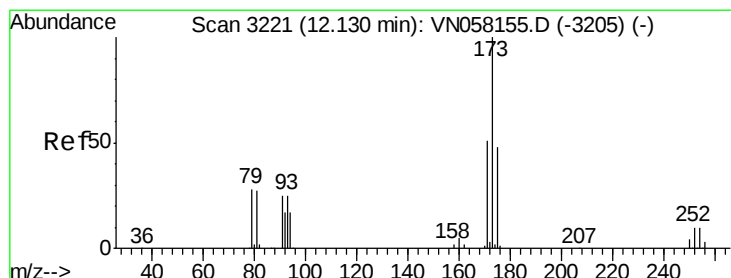
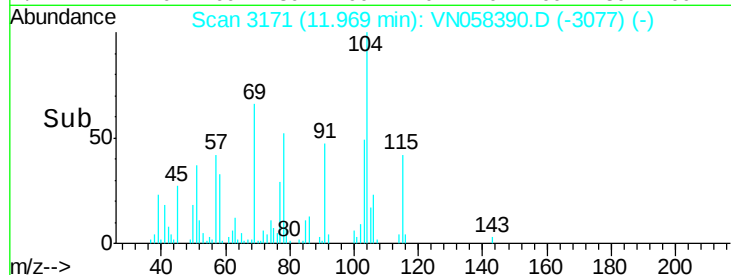
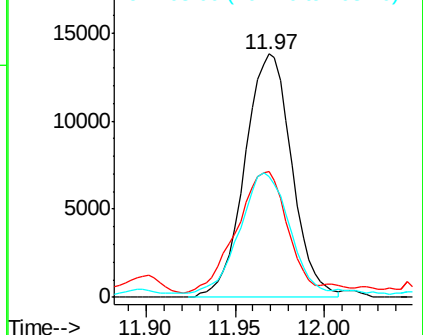
103 52.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 3.682 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

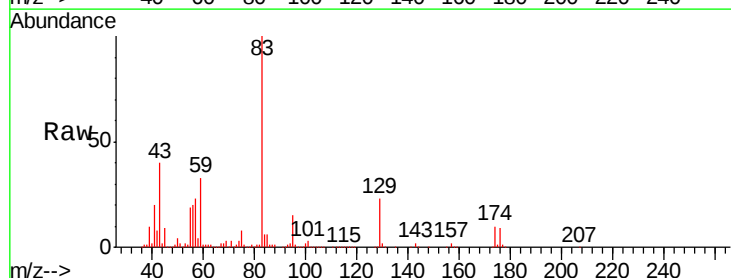
Tgt Ion:173 Resp: 314

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

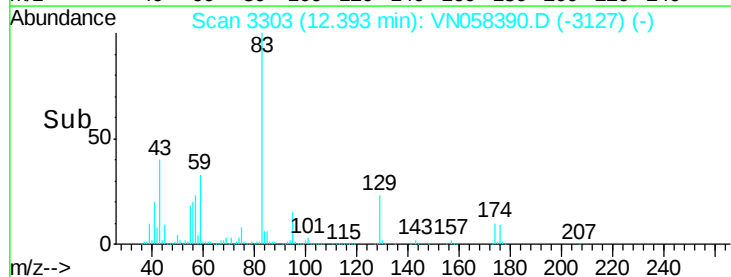
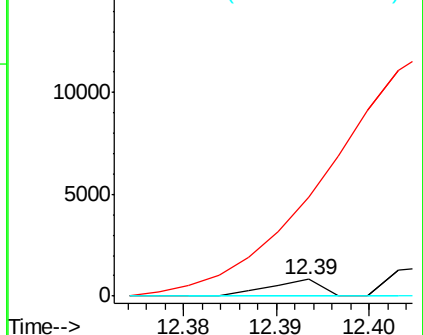
254 0.0 0.1 0.1#

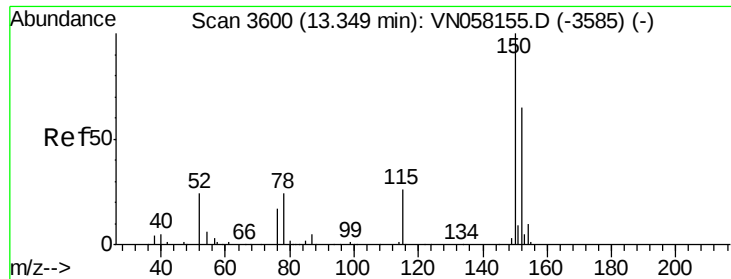


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3601

Delta R.T. 0.00 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

Instrument :

MSVOA_N

ClientSampled :
30315

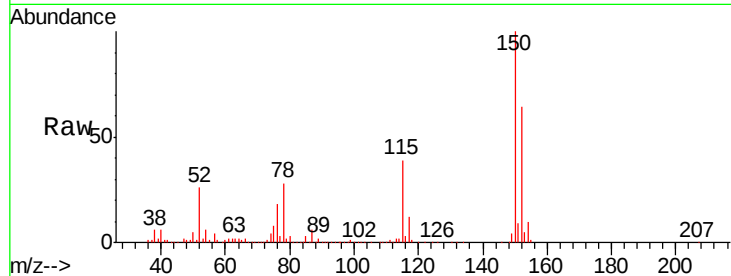
Tgt Ion:152 Resp: 299539

Ion Ratio Lower Upper

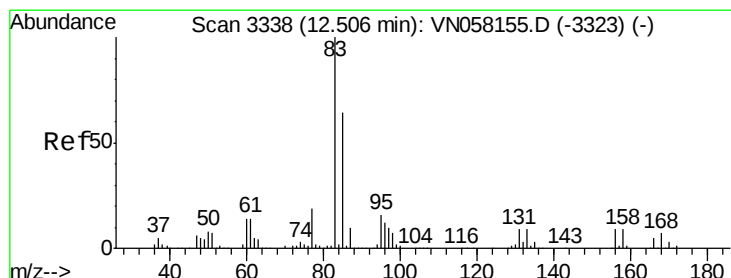
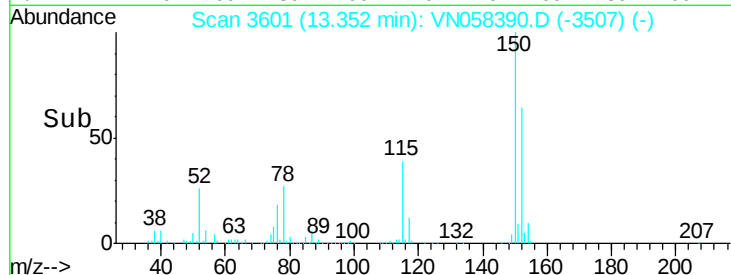
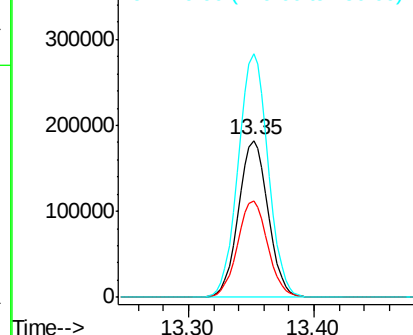
152 100

115 62.7 30.1 90.3

150 156.7 0.0 346.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 687.318 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.13 min

Lab File: VN058390.D

Acq: 26 Sep 2019 16:49

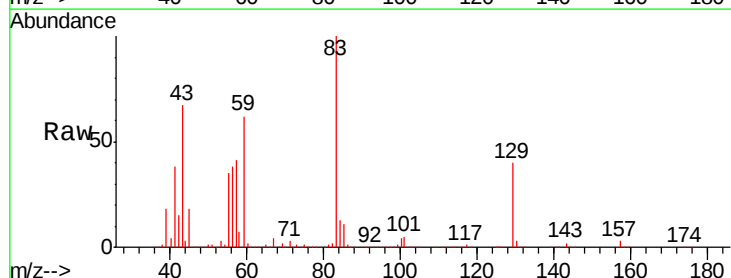
Tgt Ion: 83 Resp: 4315437

Ion Ratio Lower Upper

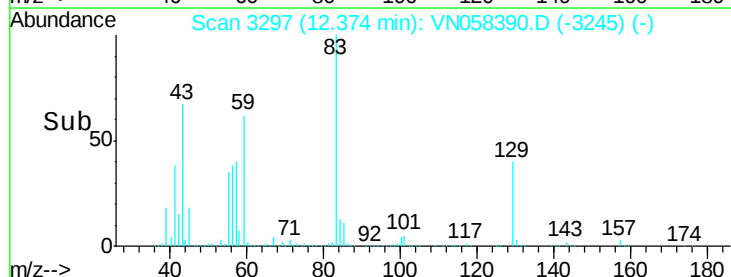
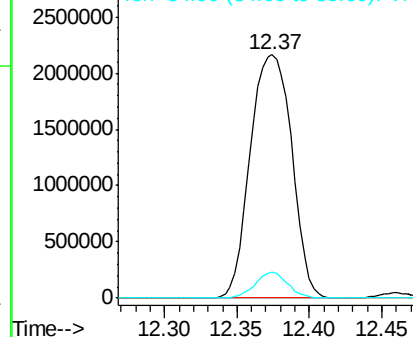
83 100

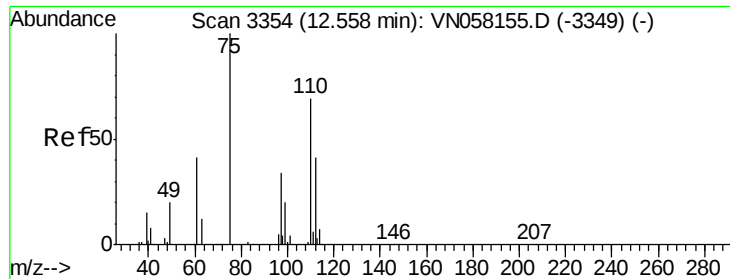
131 0.2 4.8 14.3#

85 8.4 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): V
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): V

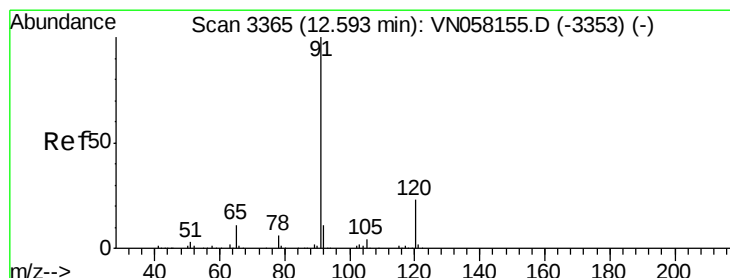
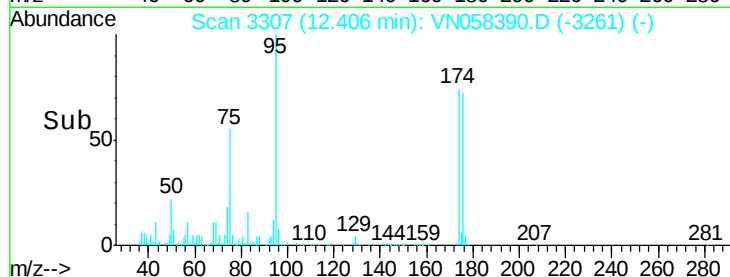
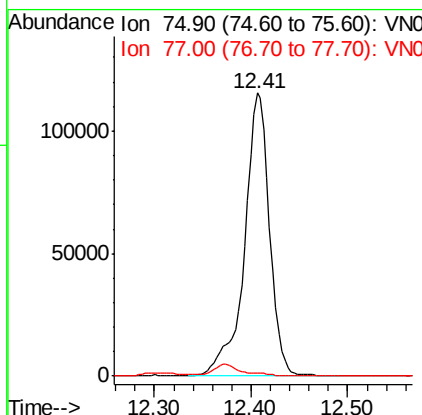
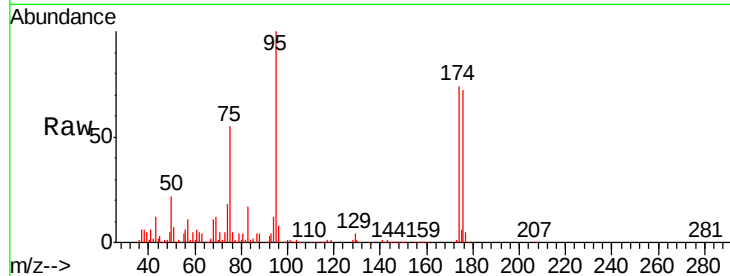




#76
1,2,3-Trichloropropane
Concen: 38.855 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

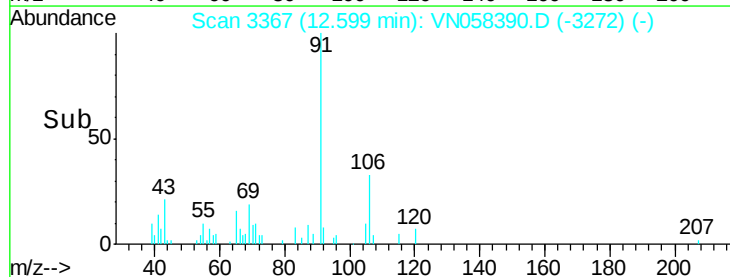
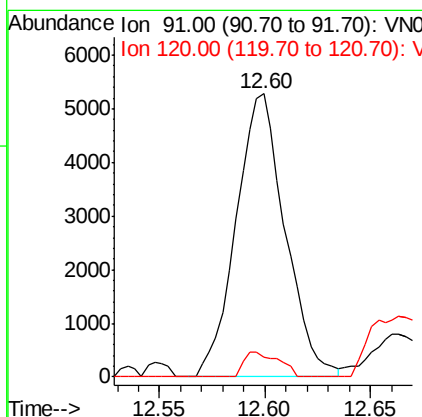
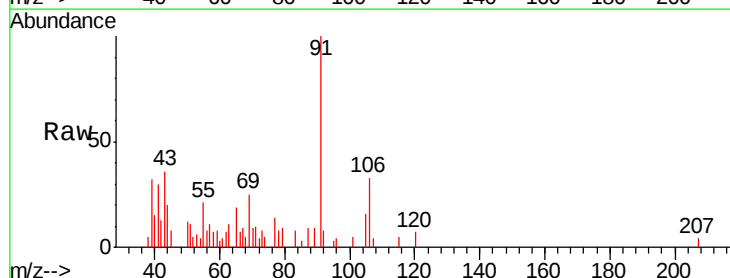
Instrument :
MSVOA_N
ClientSampled :
30315

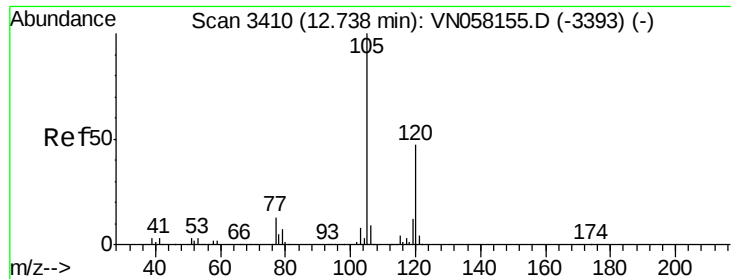
Tgt Ion: 75 Resp: 208292
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 0.400 ug/l
RT: 12.60 min Scan# 3367
Delta R.T. 0.01 min
Lab File: VN058390.D
Acq: 26 Sep 2019 16:49

Tgt Ion: 91 Resp: 8529
Ion Ratio Lower Upper
91 100
120 6.2 11.1 33.3#

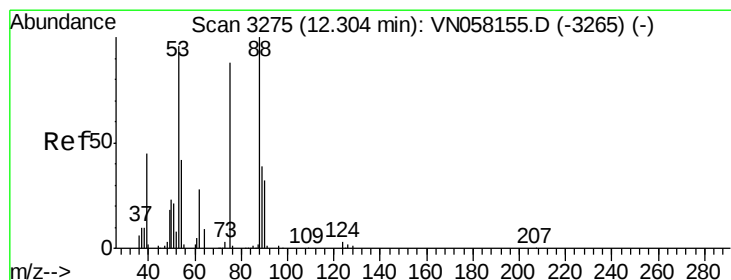
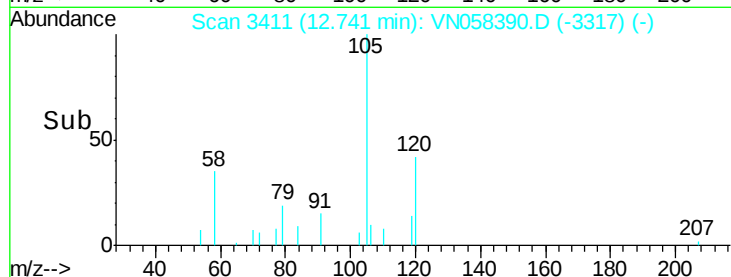
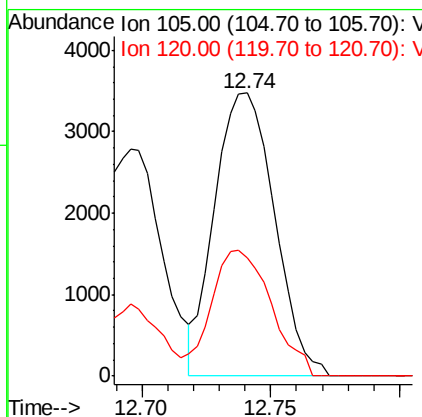
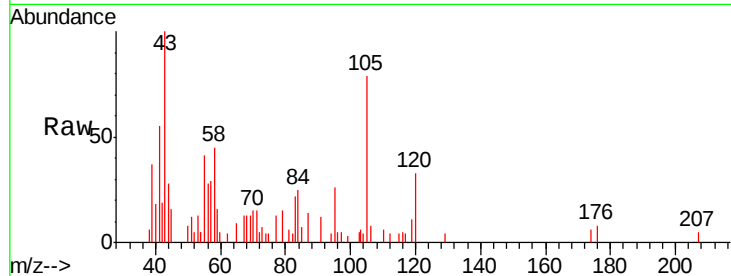




#80
 1,3,5-Trimethylbenzene
 Concen: 0.354 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

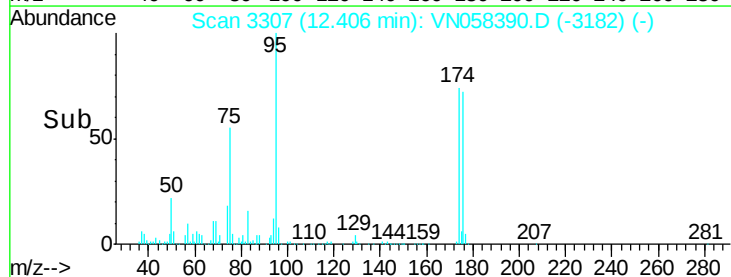
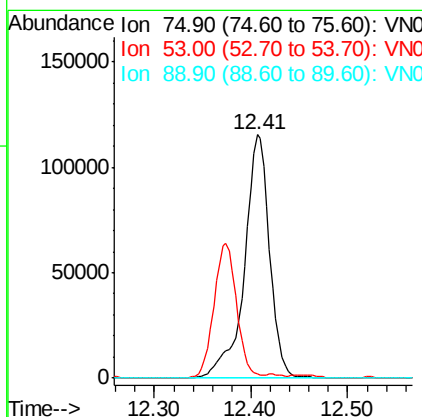
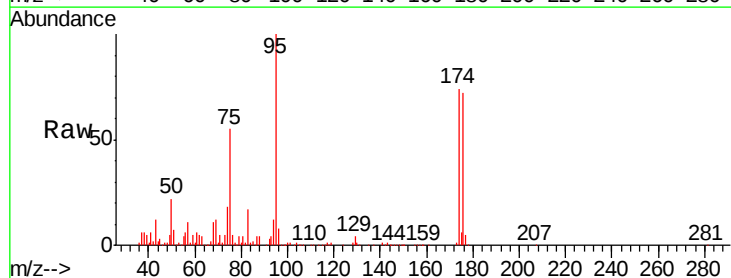
Instrument :
 MSVOA_N
 ClientSampleId :
 30315

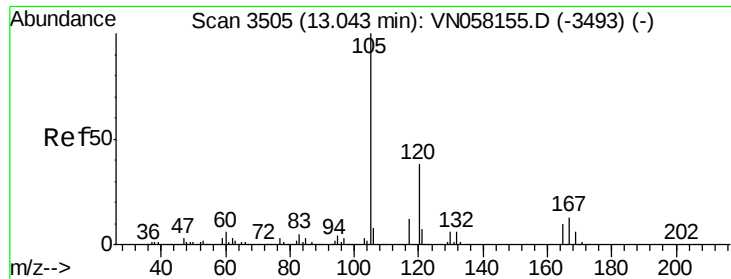
Tgt Ion: 105 Resp: 5620
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.053 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 75 Resp: 208292
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 36.2 54.2#

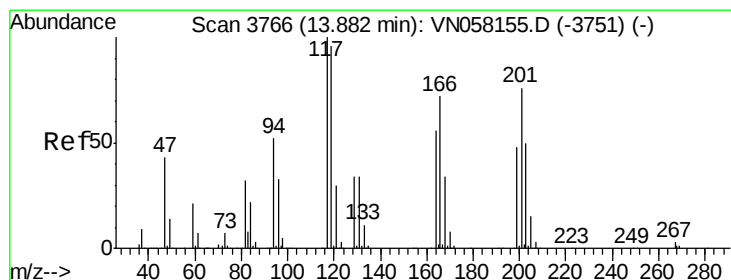
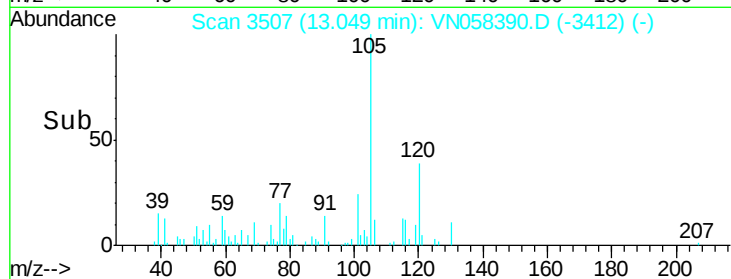
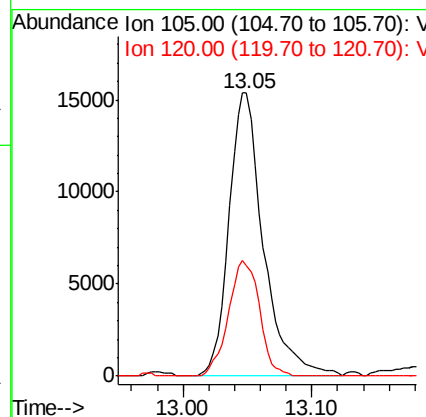
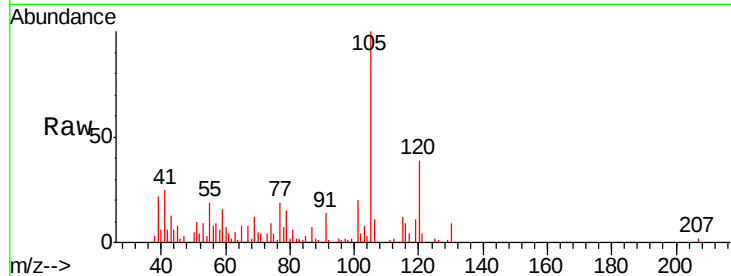




#84
 1,2,4-Trimethylbenzene
 Concen: 1.804 ug/l
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.01 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

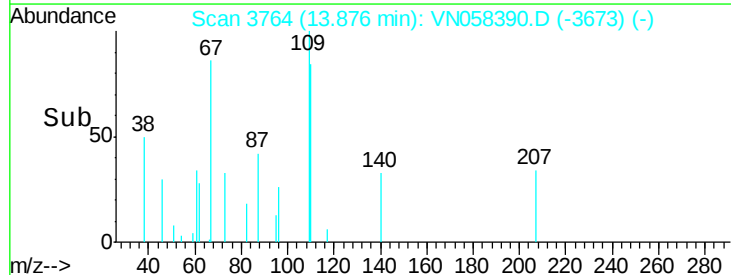
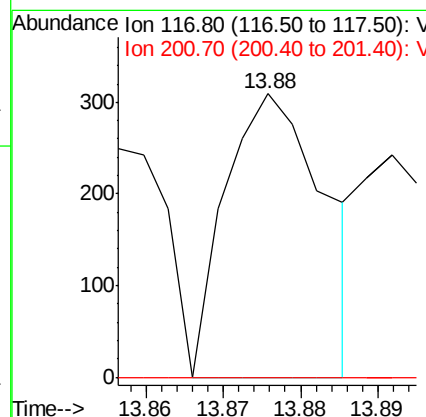
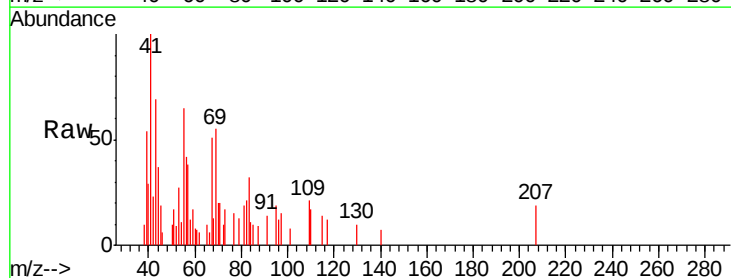
Instrument :
 MSVOA_N
 ClientSampleId :
 30315

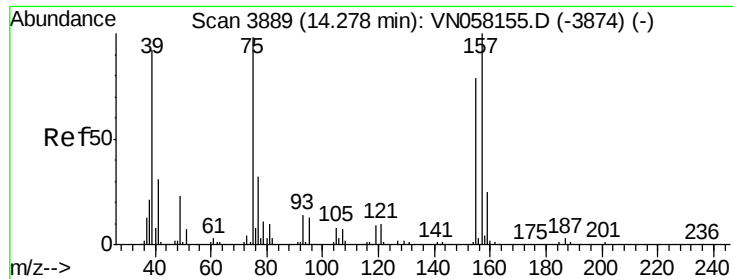
Tgt Ion:105 Resp: 28459
 Ion Ratio Lower Upper
 105 100
 120 36.8 22.1 66.5



#90
 Hexachloroethane
 Concen: 2.913 ug/l
 RT: 13.88 min Scan# 3764
 Delta R.T. -0.01 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion:117 Resp: 275
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.5 112.5#

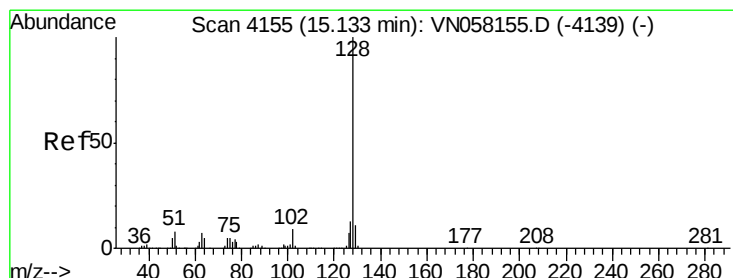
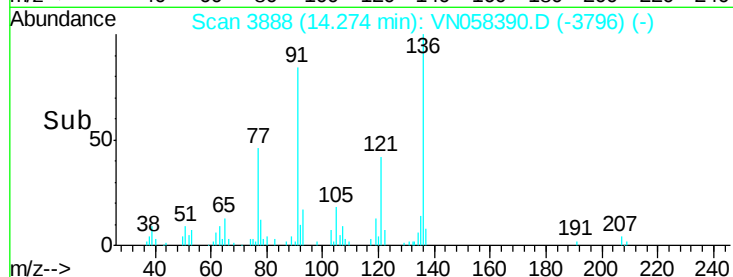
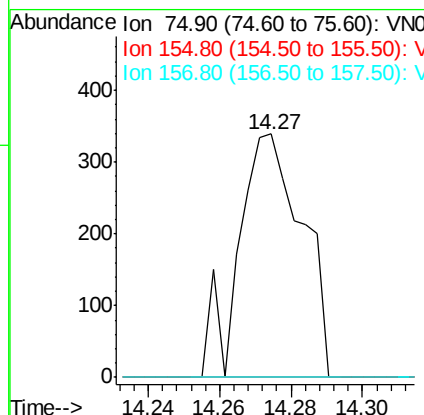
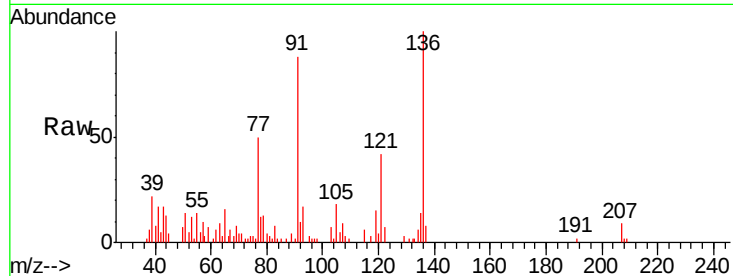




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.370 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 30315

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.3 114.8#
 157 0.0 48.0 144.0#



#95
 Naphthalene
 Concen: 23.604 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058390.D
 Acq: 26 Sep 2019 16:49

Tgt Ion: 128 Resp: 337727
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.2 15.2
 129 10.5 8.6 12.8

