

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058330.D
 Acq On : 24 Sep 2019 6:18
 Operator : JC/SP
 Sample : K5008-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 07:07:50 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	486943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	800934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	722367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	354793	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.57	113	243322	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.08	98	1064745	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.41	95	394055	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1354	Below Cal	#	87
5) Bromomethane	2.56	94	806	1.168	ug/l	90
6) Chloroethane	2.69	64	66	Below Cal	#	44
11) Tert butyl alcohol	4.77	59	172	0.213	ug/l #	71
13) Acrolein	3.77	56	1661	13.893	ug/l	87
14) Allyl chloride	4.57	41	172236	26.738	ug/l #	42
15) Acrylonitrile	5.02	53	12885	5.995	ug/l #	40
16) Acetone	3.80	43	32039	13.917	ug/l	92
17) Carbon Disulfide	4.04	76	5012	1.456	ug/l #	91
18) Methyl Acetate	4.57	43	379584	62.662	ug/l #	53
20) Methylene Chloride	4.50	84	596	Below Cal	#	6
25) 2-Butanone	6.82	43	24105	7.686	ug/l #	89
31) Cyclohexane	7.63	56	223007	38.972	ug/l #	81
36) 1,1-Dichloropropene	7.65	75	42694	7.392	ug/l #	51
37) Ethyl Acetate	6.82	43	24105	4.021	ug/l #	70
38) Carbon Tetrachloride	7.65	117	50490	8.696	ug/l #	15
39) Methylcyclohexane	9.07	83	745750	133.419	ug/l	98
41) Methacrylonitrile	7.20	41	4582	2.401	ug/l #	100
43) Isopropyl Acetate	8.14	43	61518	5.495	ug/l #	57
47) Bromodichloromethane	9.38	83	22278	3.320	ug/l #	26
48) Methyl methacrylate	9.14	41	32847	6.462	ug/l #	37
51) 4-Methyl-2-Pentanone	10.08	43	26712	4.492	ug/l	98
52) Toluene	10.15	92	8092	0.732	ug/l	91
55) 1,1,2-Trichloroethane	10.53	97	202128	41.196	ug/l #	18
56) Ethyl methacrylate	10.43	69	29893	4.223	ug/l #	1
59) 2-Hexanone	10.72	43	36419	8.247	ug/l #	30
61) 1,2-Dibromoethane	10.98	107	1795	0.395	ug/l #	1
67) Ethyl Benzene	11.51	91	2680855	123.137	ug/l	95
68) m/p-Xylenes	11.62	106	1069150	130.387	ug/l	98
69) o-Xylene	11.95	106	4934	0.612	ug/l	97
71) Bromoform	12.40	173	1267	3.939	ug/l #	1
73) Isopropylbenzene	12.26	105	1861254	80.606	ug/l	99
74) N-amyl acetate	12.05	43	22371	2.316	ug/l #	51
76) 1,2,3-Trichloropropane	12.60	75	37404	5.665	ug/l #	100

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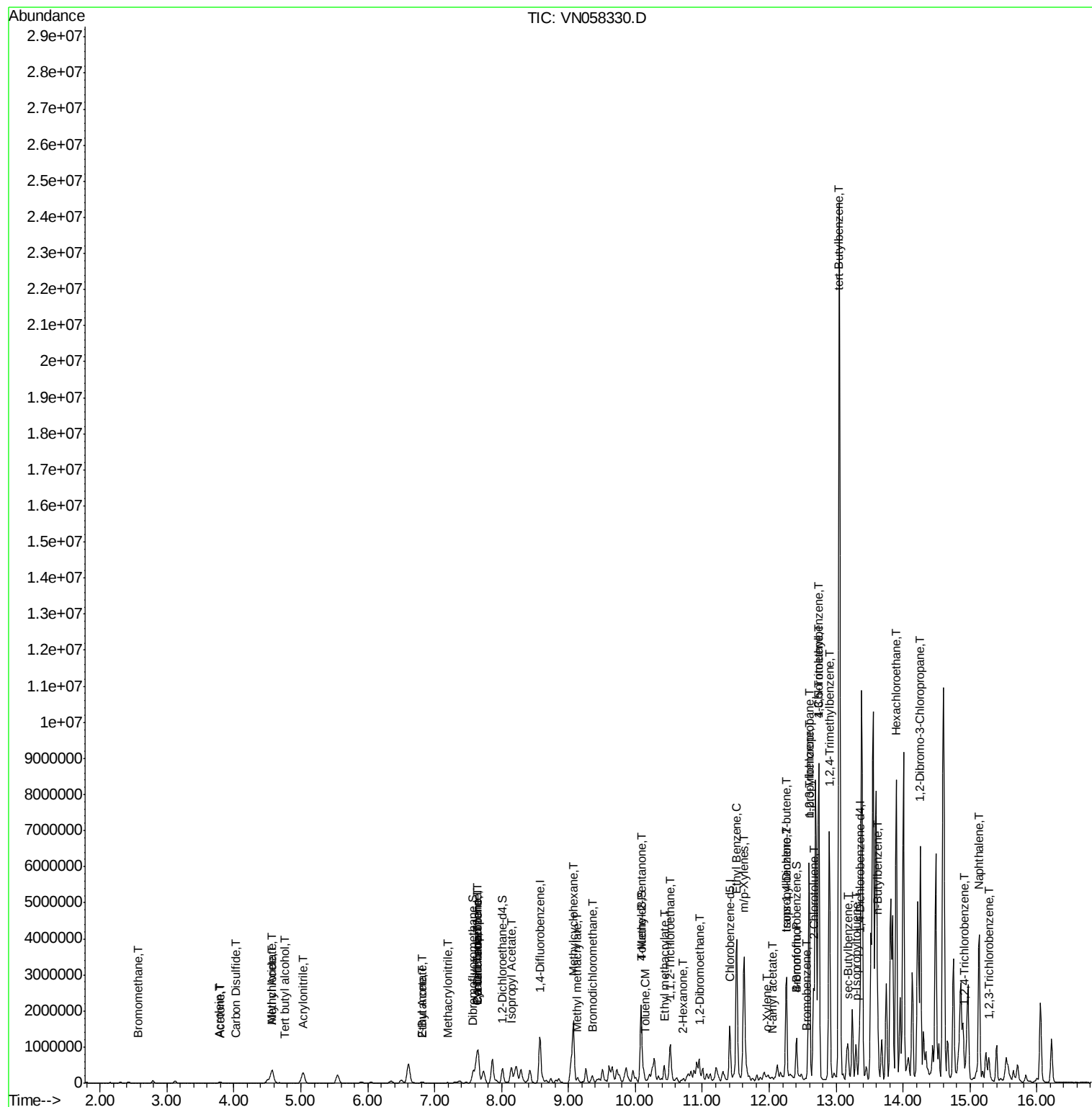
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
77) Bromobenzene	12.55	156	1237	0.213	ug/l	#	1
78) n-propylbenzene	12.60	91	4224116	160.985	ug/l		82
79) 2-Chlorotoluene	12.66	91	183243	11.174	ug/l	#	44
80) 1,3,5-Trimethylbenzene	12.74	105	3961799	202.899	ug/l		74
81) trans-1,4-Dichloro-2-buten	12.26	75	24515	15.554	ug/l	#	64
82) 4-Chlorotoluene	12.74	91	609610	35.365	ug/l	#	43
83) tert-Butylbenzene	13.05	119	2443084	140.303	ug/l	#	64
84) 1,2,4-Trimethylbenzene	12.90	105	3890594	200.222	ug/l		91
85) sec-Butylbenzene	13.18	105	581176	25.524	ug/l	#	64
86) p-Isopropyltoluene	13.30	119	522629	25.818	ug/l		99
89) n-Butylbenzene	13.62	91	795220	41.435	ug/l	#	70
90) Hexachloroethane	13.90	117	479711	130.333	ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29345	21.080	ug/l	#	7
93) 1,2,4-Trichlorobenzene	14.92	180	1875	0.276	ug/l	#	1
95) Naphthalene	15.14	128	3074311	174.470	ug/l		97
96) 1,2,3-Trichlorobenzene	15.30	180	1979	0.308	ug/l	#	79

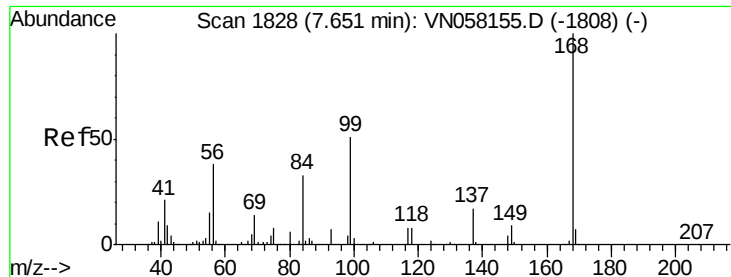
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

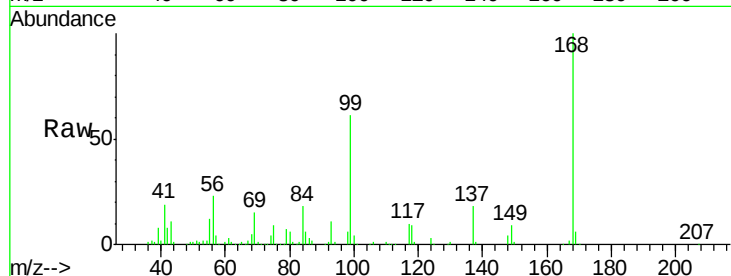
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 486943

Ion Ratio Lower Upper

168 100

99 61.3 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

200000

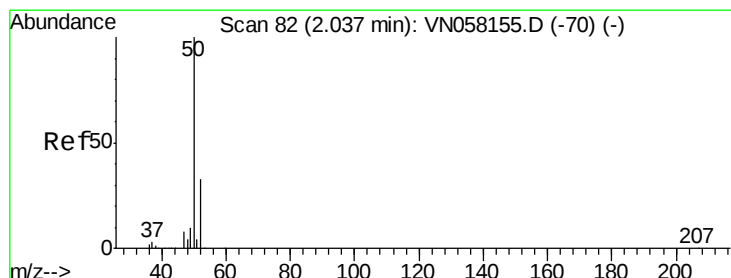
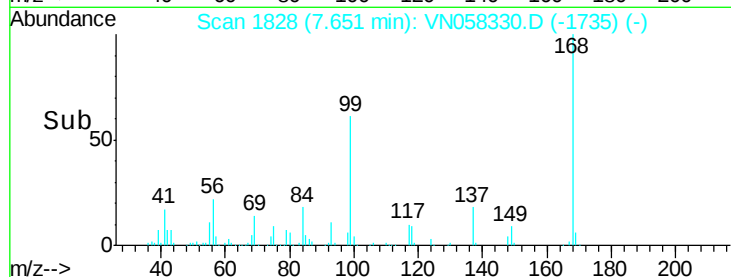
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058330.D

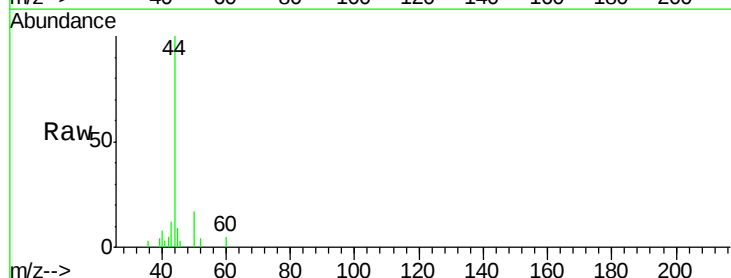
Acq: 24 Sep 2019 6:18

Tgt Ion: 50 Resp: 1354

Ion Ratio Lower Upper

50 100

52 25.3 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

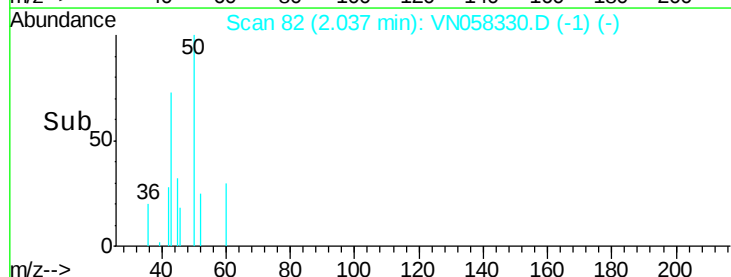
600

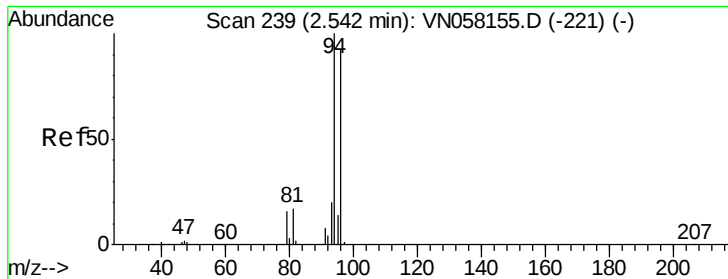
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: 1.168 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

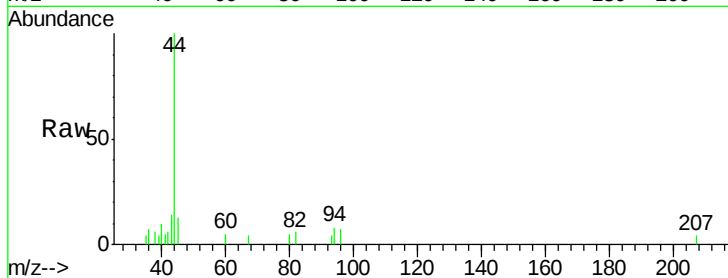
ClientSampled :

Tot Ion: 94 Resp: 806

Ion Ratio Lower Upper

94 100

96 82.1 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

400

300

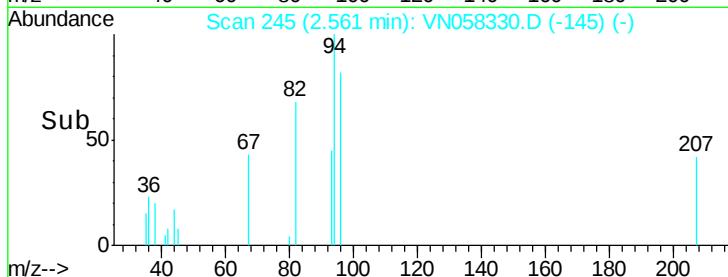
200

100

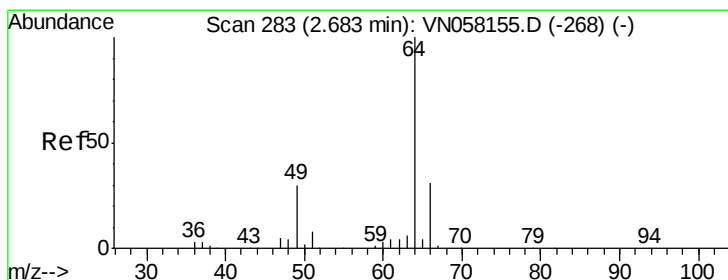
0

2.55

2.60



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058330.D

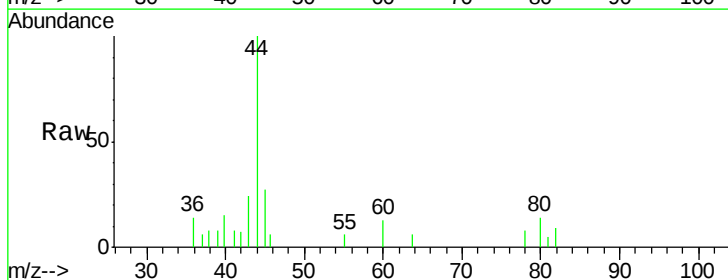
Acq: 24 Sep 2019 6:18

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

200

150

100

50

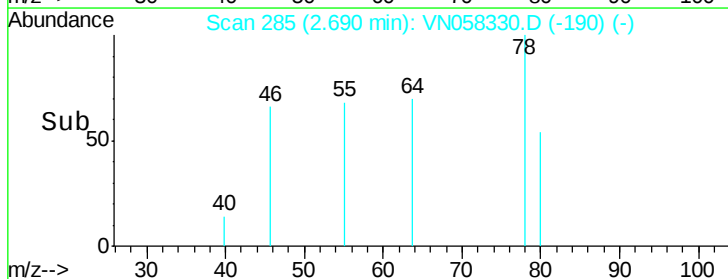
0

2.68

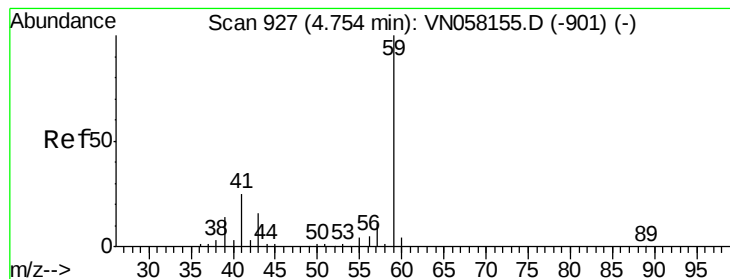
2.69

2.69

2.69



Time-->

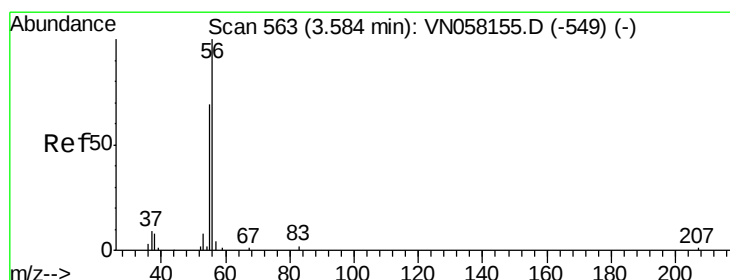
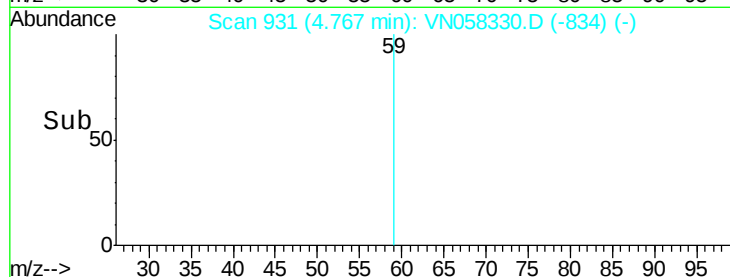
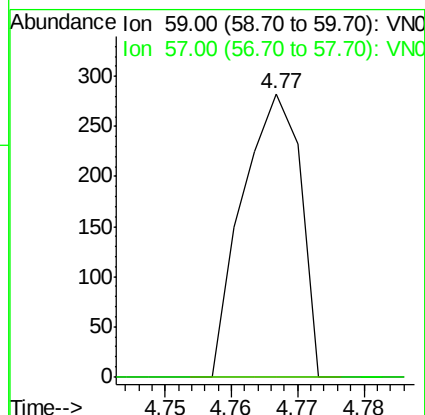
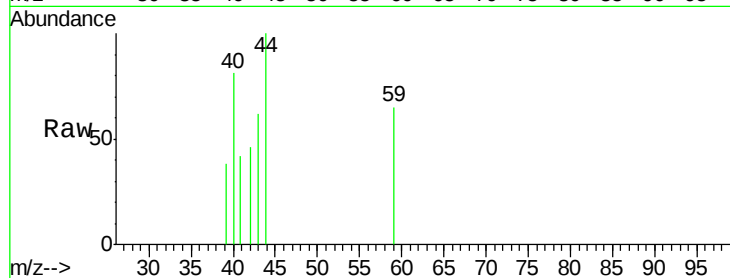


#11

Tert butyl alcohol
 Concen: 0.213 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Instrument :
 MSVOA_N
 ClientSampled :

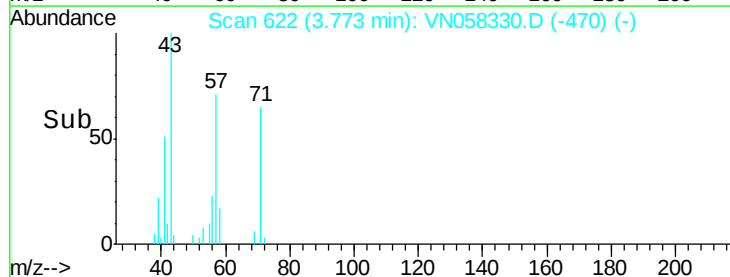
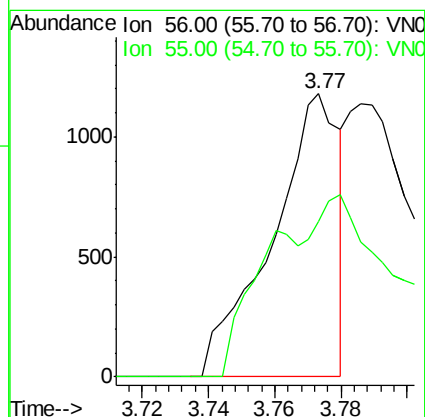
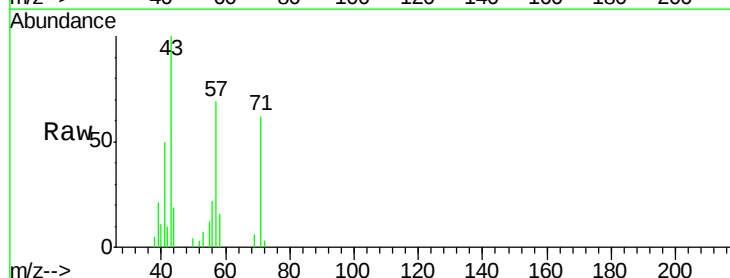
Tot Ion: 59 Resp: 172
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

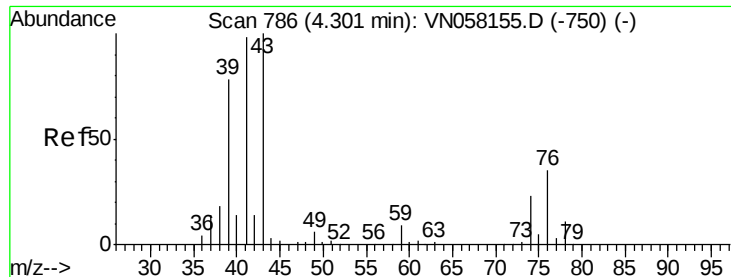


#13

Acrolein
 Concen: 13.893 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.19 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion: 56 Resp: 1661
 Ion Ratio Lower Upper
 56 100
 55 80.9 56.1 84.1

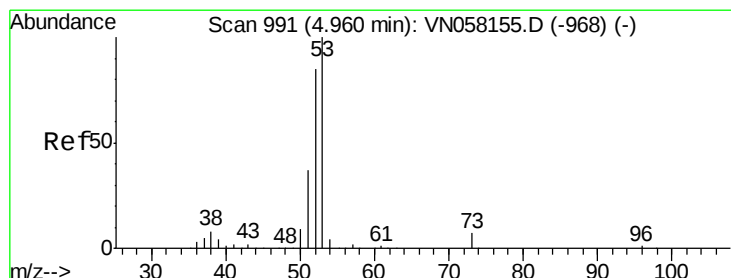
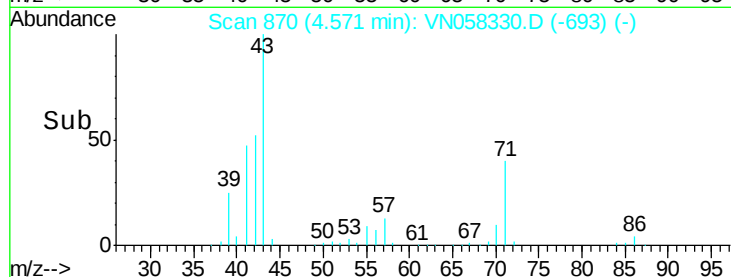
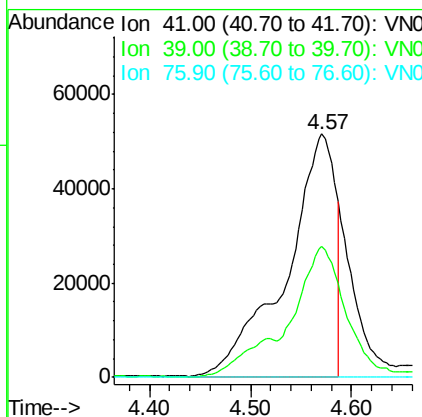
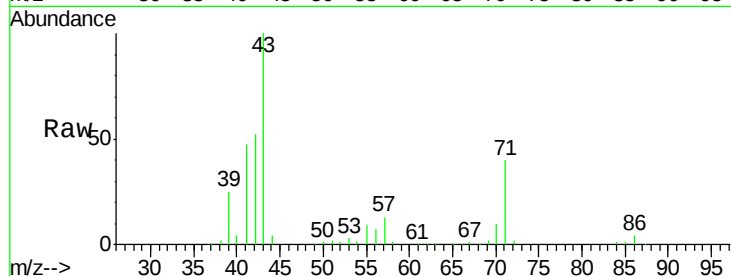




#14
Allvl chloride
Concen: 26.738 ug/l
RT: 4.57 min Scan# 870
Delta R.T. 0.27 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

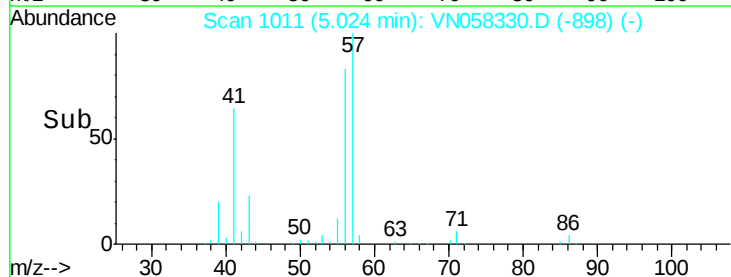
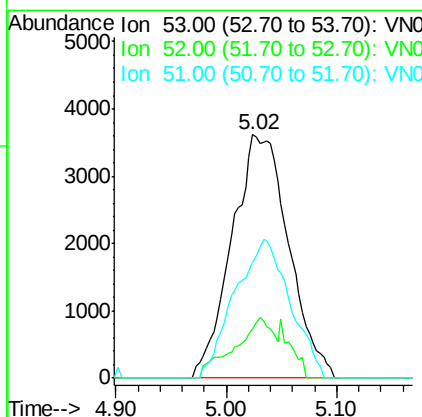
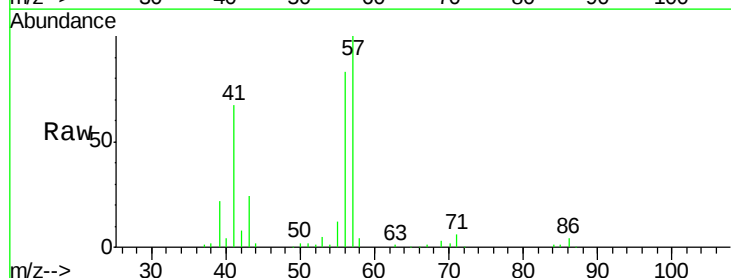
Instrument :
MSVOA_N
ClientSampled :

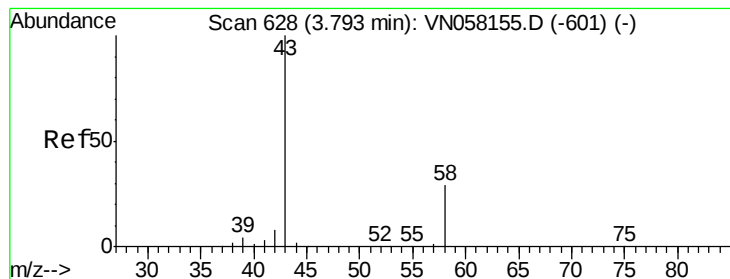
Tot Ion: 41 Resp: 172236
Ion Ratio Lower Upper
41 100
39 23.9 59.1 88.7#
76 0.0 25.1 37.7#



#15
Acrylonitrile
Concen: 5.995 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.06 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion: 53 Resp: 12885
Ion Ratio Lower Upper
53 100
52 17.0 66.6 100.0#
51 55.5 29.7 44.5#





#16

Acetone

Concen: 13.917 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

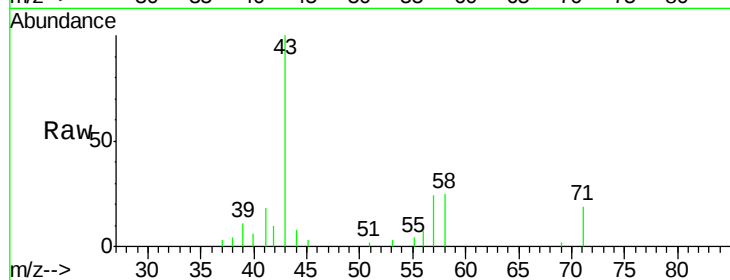
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 32039

Ion Ratio Lower Upper

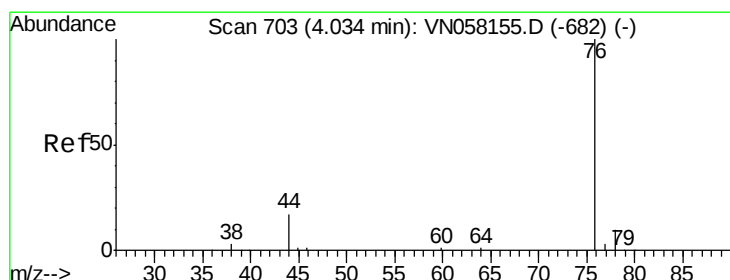
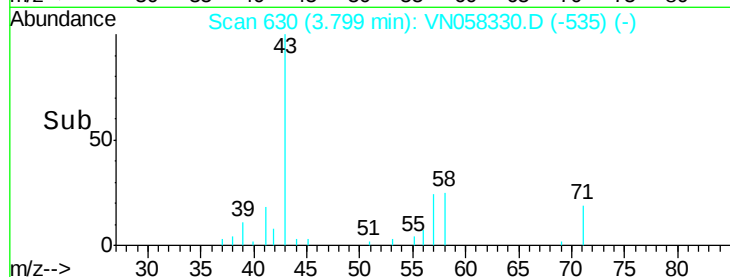
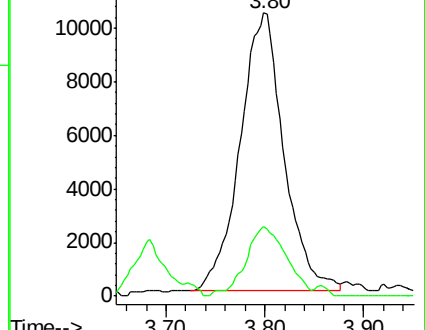
43 100

58 25.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058330.D (-630) (-)

Ion 58.00 (57.70 to 58.70): VN058330.D (-630) (-)



#17

Carbon Disulfide

Concen: 1.456 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058330.D

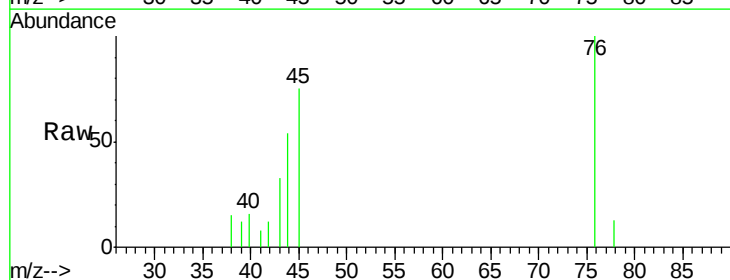
Acq: 24 Sep 2019 6:18

Tgt Ion: 76 Resp: 5012

Ion Ratio Lower Upper

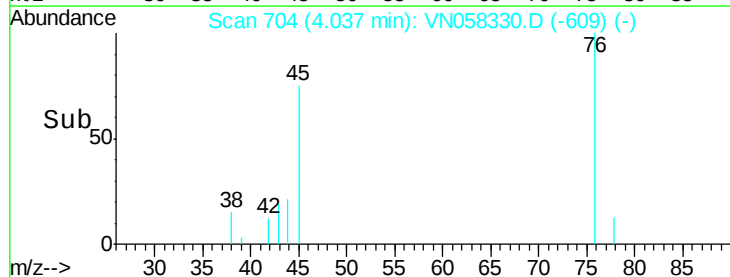
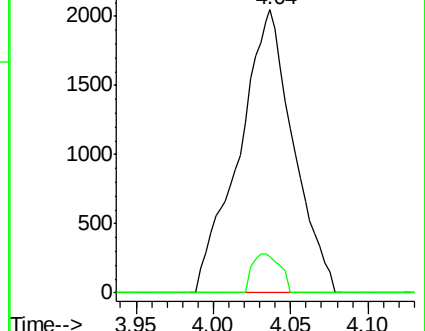
76 100

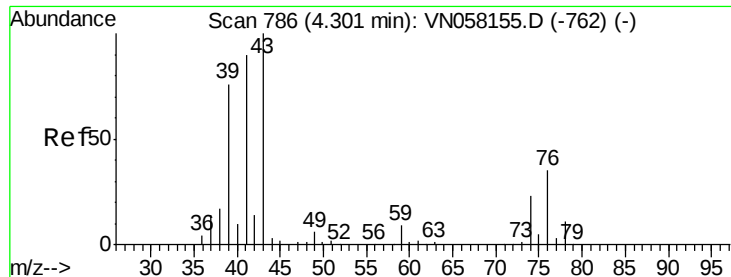
78 12.9 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN058330.D (-704) (-)

Ion 77.90 (77.60 to 78.60): VN058330.D (-704) (-)

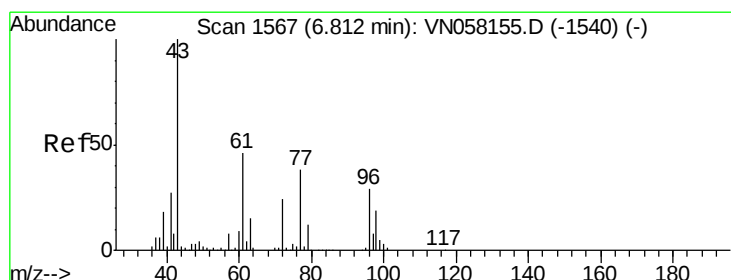
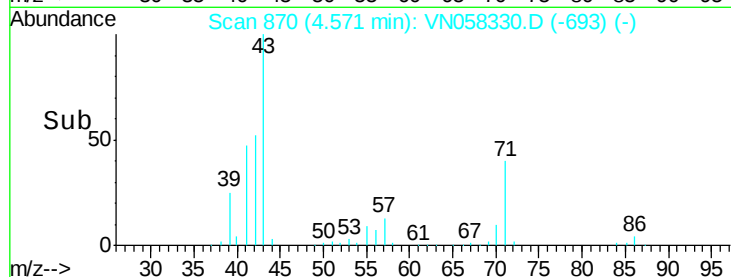
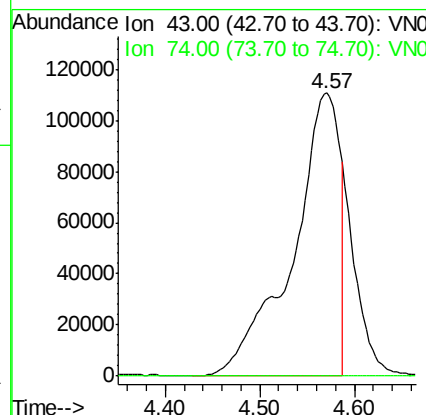
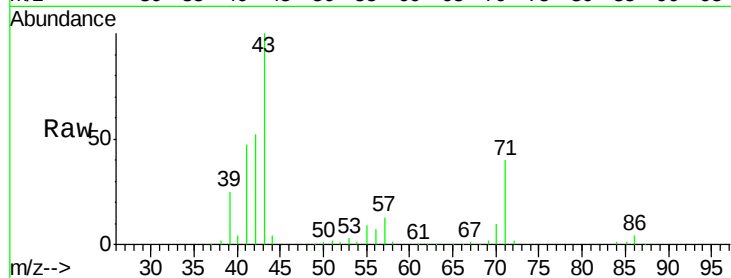




#18
Methvl Acetate
Concen: 62.662 ug/l
RT: 4.57 min Scan# 870
Delta R.T. 0.27 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

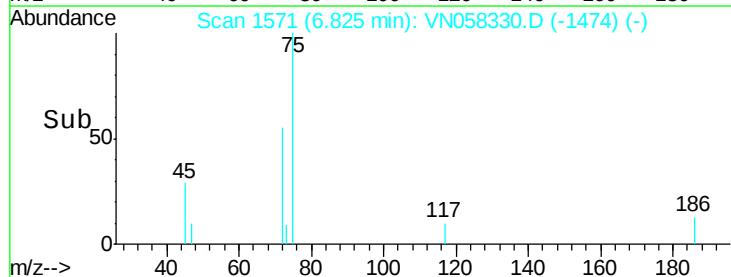
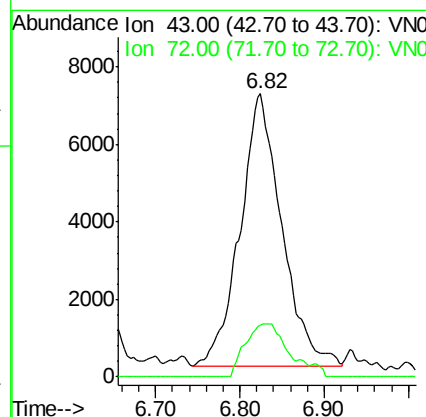
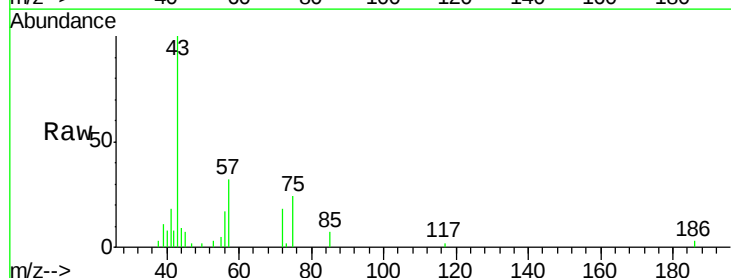
Instrument :
MSVOA_N
ClientSampled :

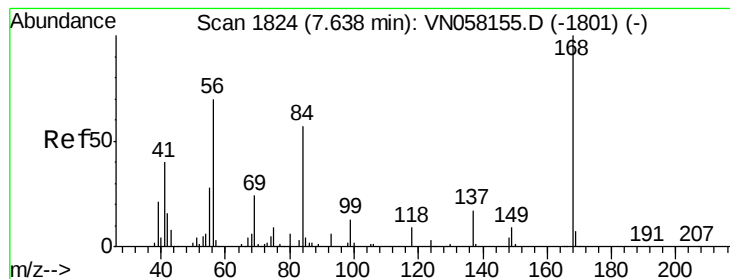
Tot Ion: 43 Resp: 379584
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 7.686 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion: 43 Resp: 24105
Ion Ratio Lower Upper
43 100
72 19.2 19.5 29.3#





#31

Cyclohexane

Concen: 38.972 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampled :

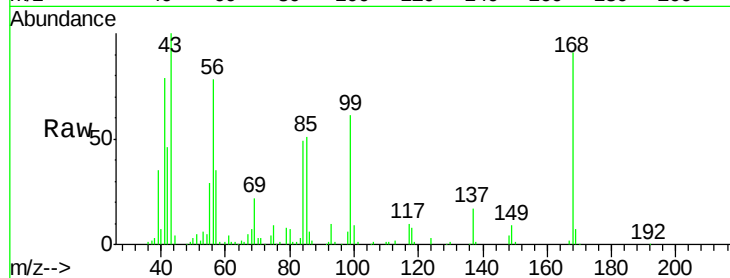
Tot Ion: 56 Resp: 223007

Ion Ratio Lower Upper

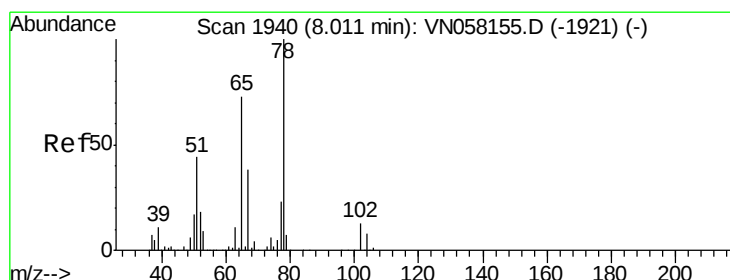
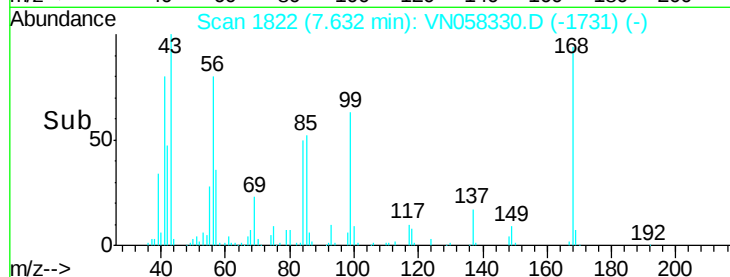
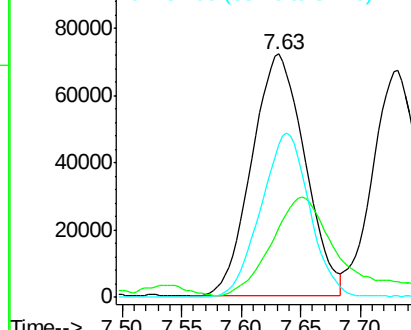
56 100

69 26.0 27.3 40.9#

84 62.8 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 52.313 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058330.D

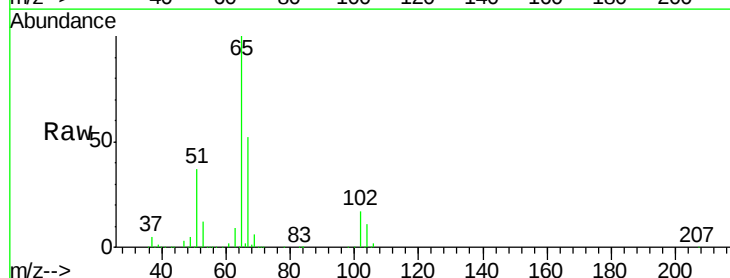
Acq: 24 Sep 2019 6:18

Tgt Ion: 65 Resp: 354793

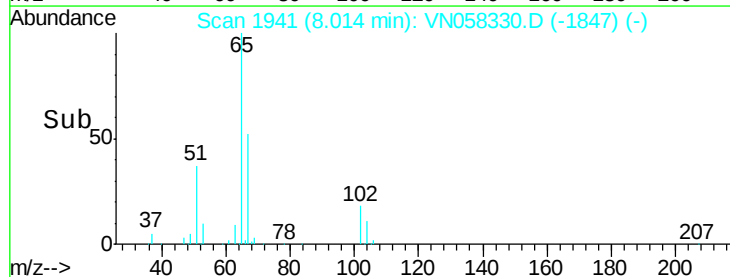
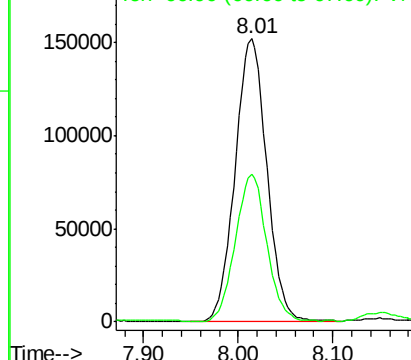
Ion Ratio Lower Upper

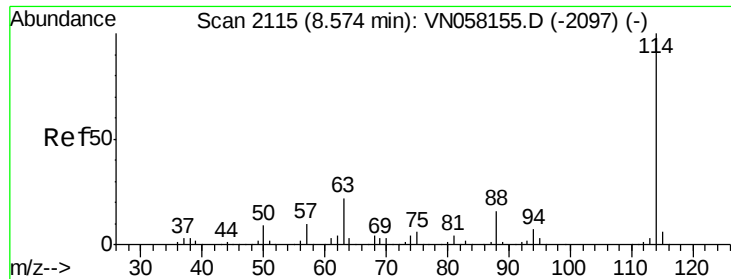
65 100

67 51.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

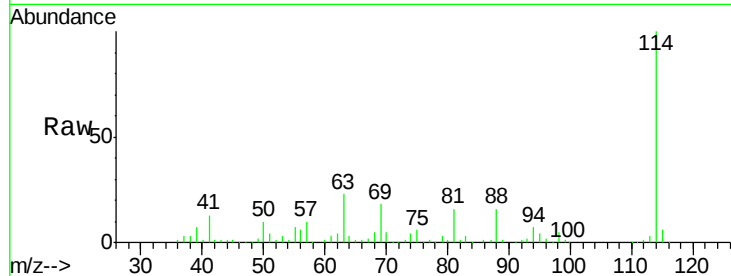




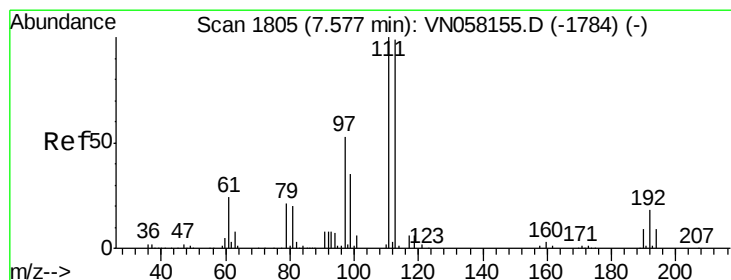
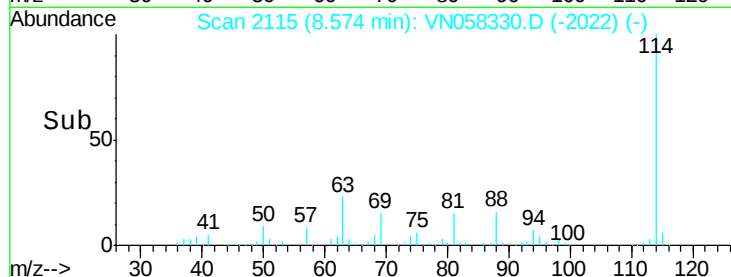
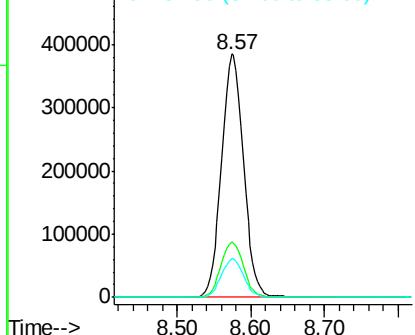
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.2
88	15.8	0.0	31.6

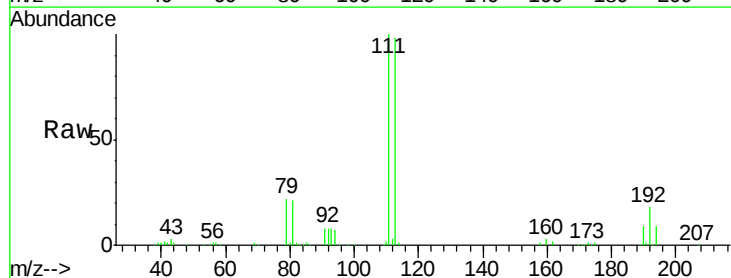


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

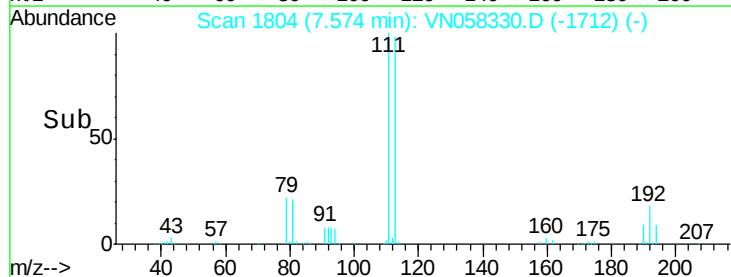
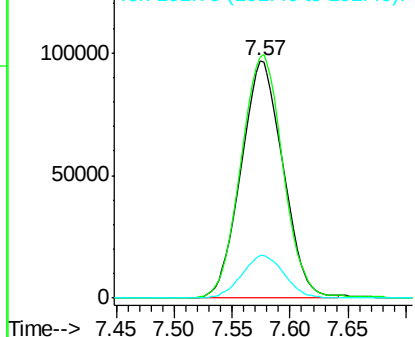


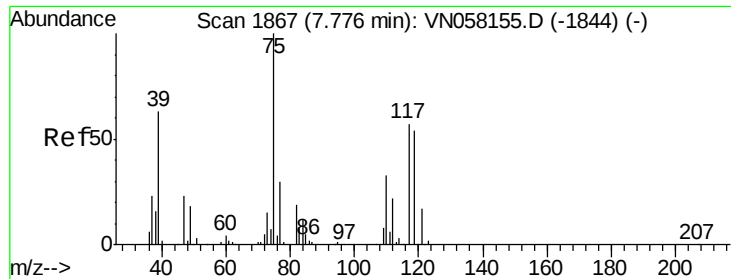
#35
 Dibromofluoromethane
 Concen: 49.974 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	18.2	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

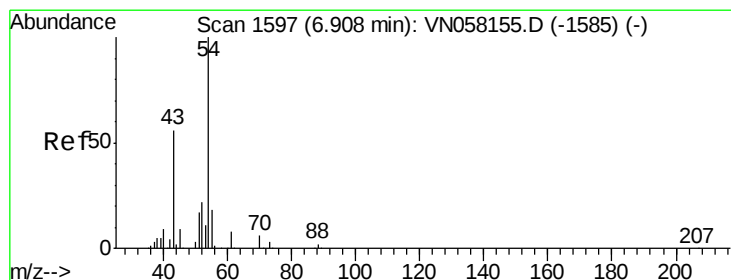
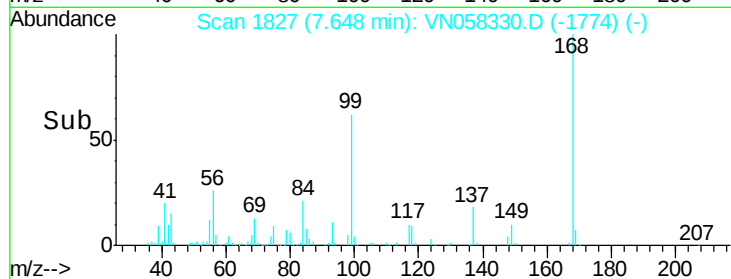
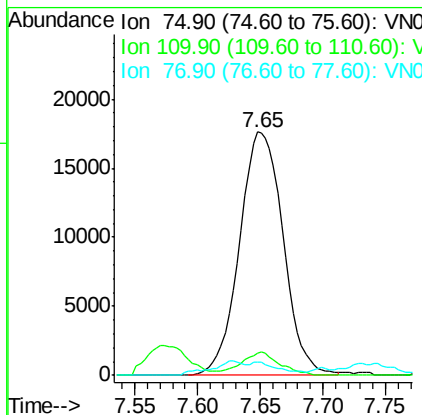
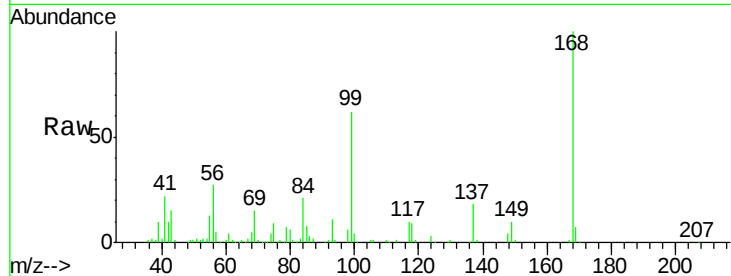




#36
 1,1-Dichloropropene
 Concen: 7.392 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

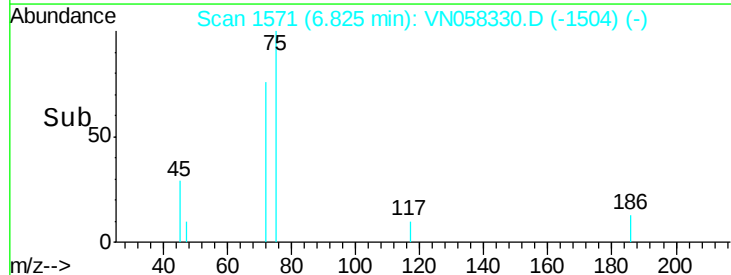
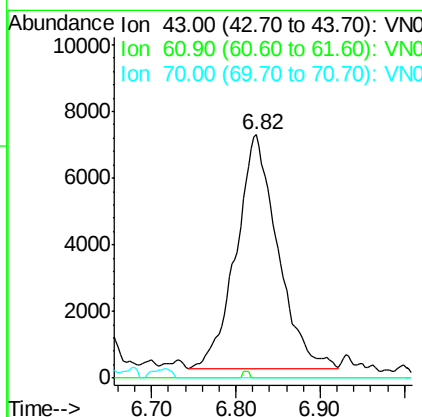
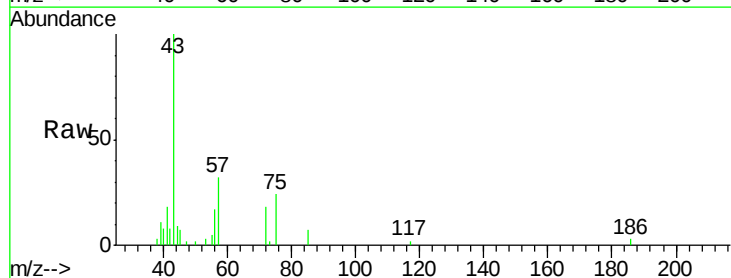
Instrument :
 MSVOA_N
 ClientSampled :

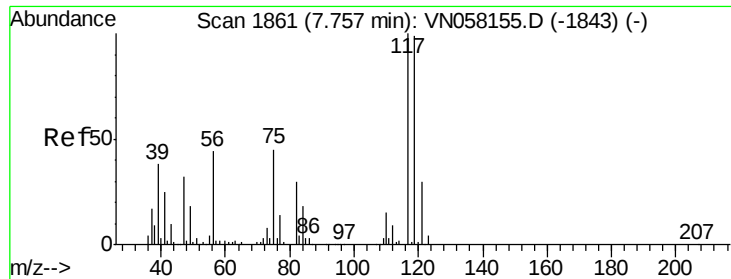
Tot Ion	75	Resp	42694
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.6	49.7#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 4.021 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.08 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion	43	Resp	24105
Ion Ratio	Lower	Upper	
43	100		
61	0.5	10.7	16.1#
70	0.0	7.6	11.4#

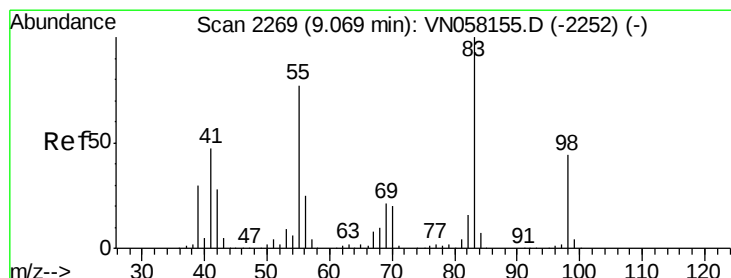
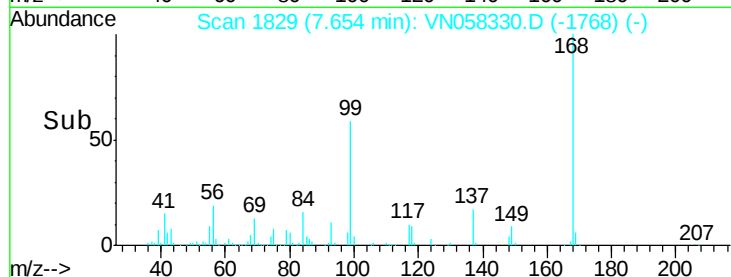
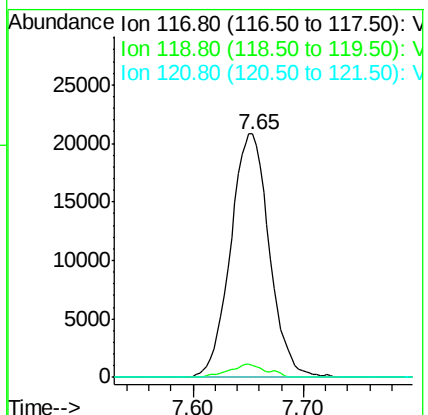
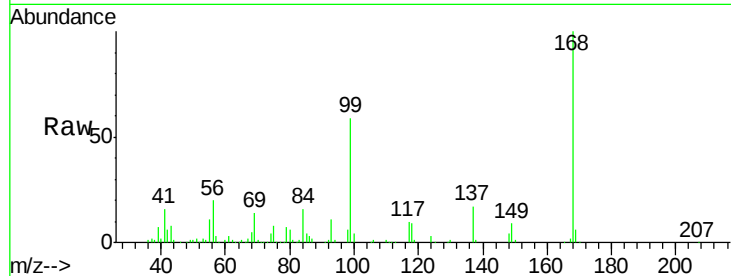




#38
Carbon Tetrachloride
Concen: 8.696 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

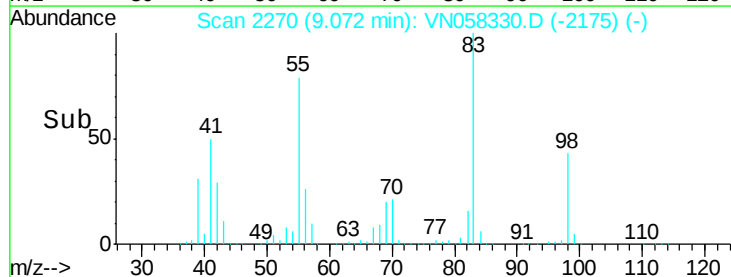
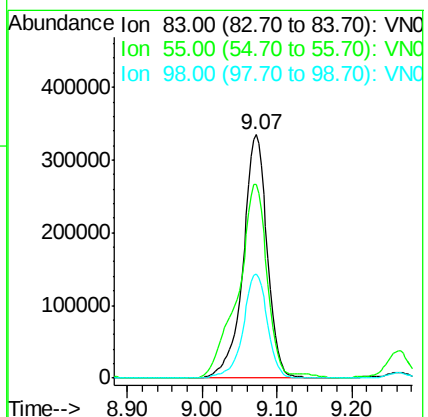
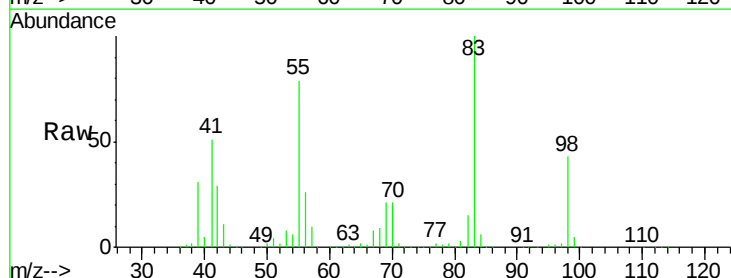
Instrument :
MSVOA_N
ClientSampled :

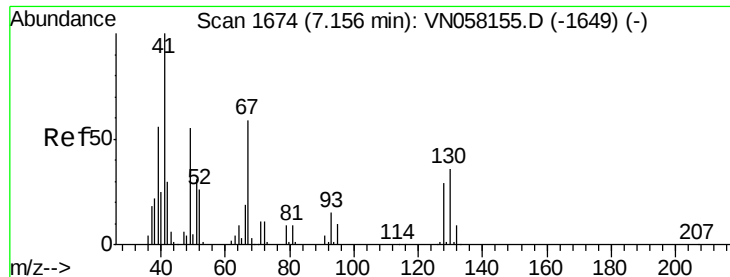
Tot Ion:117 Resp: 50490
Ion Ratio Lower Upper
117 100
119 5.1 78.6 117.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 133.419 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion: 83 Resp: 745750
Ion Ratio Lower Upper
83 100
55 79.5 61.9 92.9
98 42.9 35.4 53.2

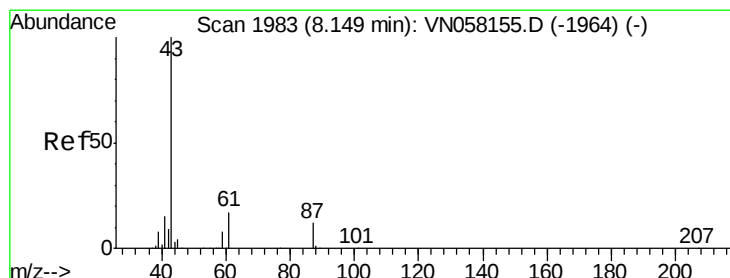
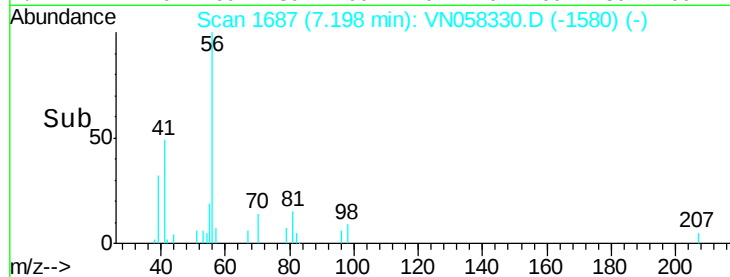
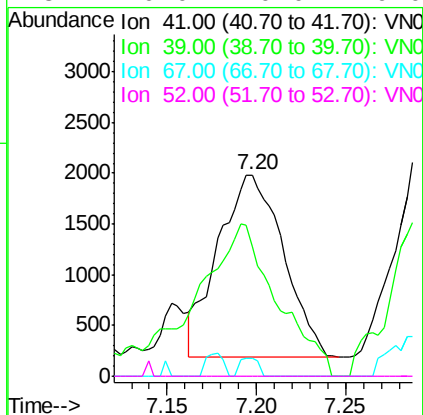
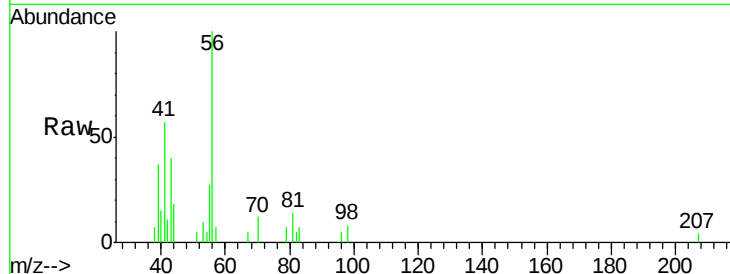




#41
Methacrylonitrile
Concen: 2.401 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

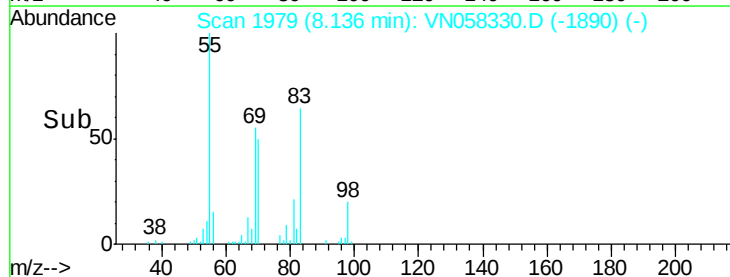
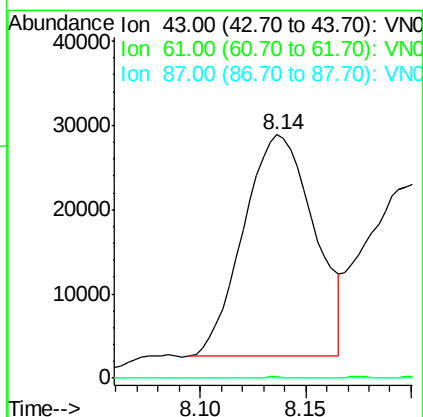
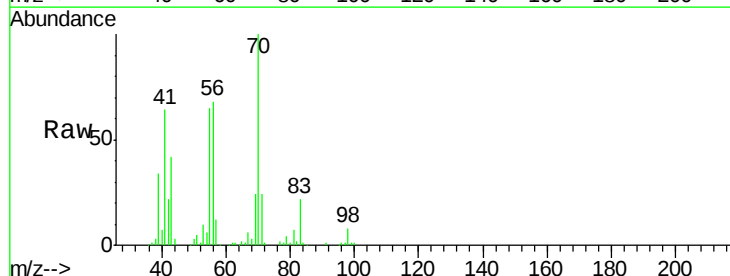
Instrument :
MSVOA_N
ClientSampled :

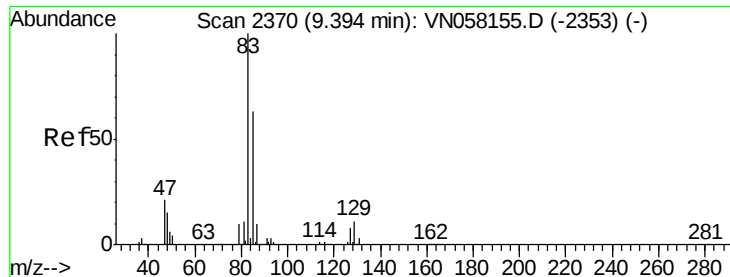
Tot Ion:	41	Resp:	4582
Ion	Ratio	Lower	Upper
41	100		
39	101.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 5.495 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.01 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion:	43	Resp:	61518
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#





#47

Bromodichloromethane

Concen: 3.320 ug/l

RT: 9.38 min Scan# 2365

Delta R.T. -0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampled :

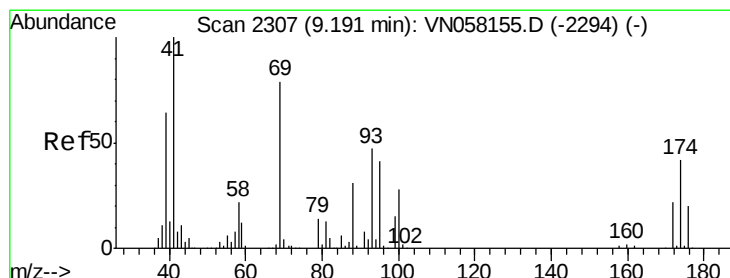
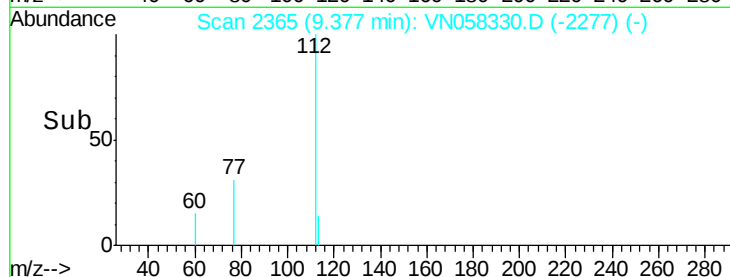
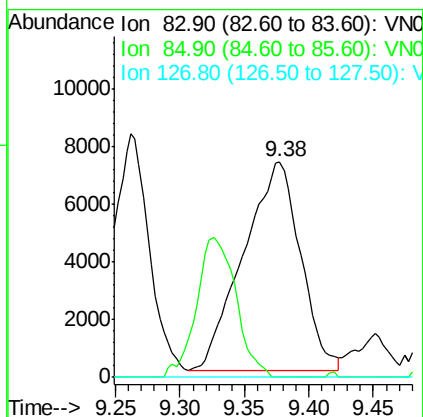
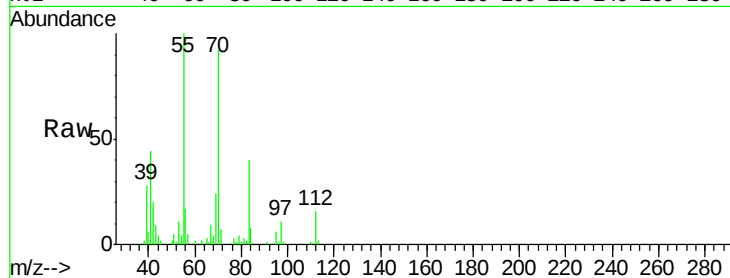
Tot Ion: 83 Resp: 22278

Ion Ratio Lower Upper

83 100

85 0.0 50.1 75.1#

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 6.462 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.05 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

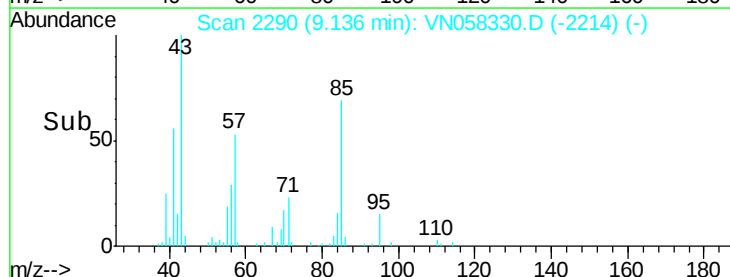
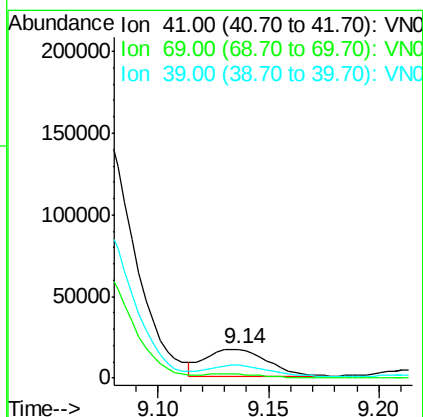
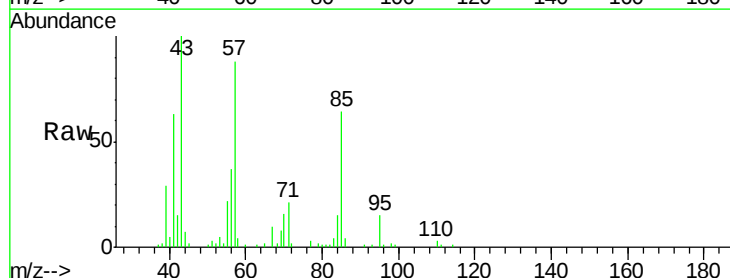
Tgt Ion: 41 Resp: 32847

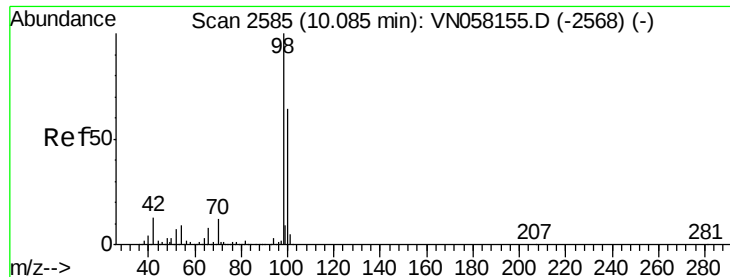
Ion Ratio Lower Upper

41 100

69 0.0 62.5 93.7#

39 40.5 52.3 78.5#





#50

Toluene-d8

Concen: 56.126 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

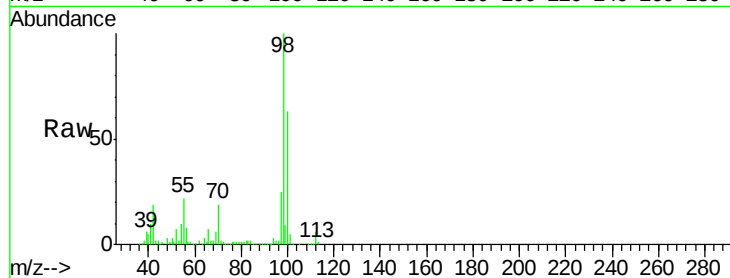
ClientSampled :

Tot Ion: 98 Resp: 1064745

Ion Ratio Lower Upper

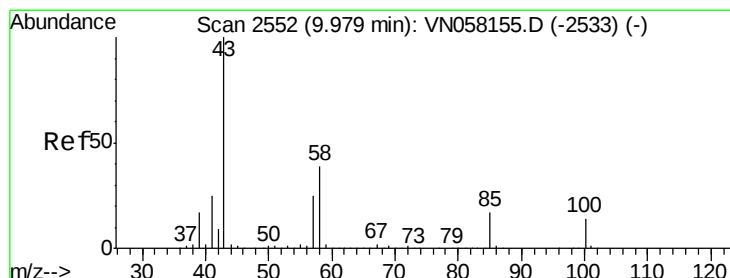
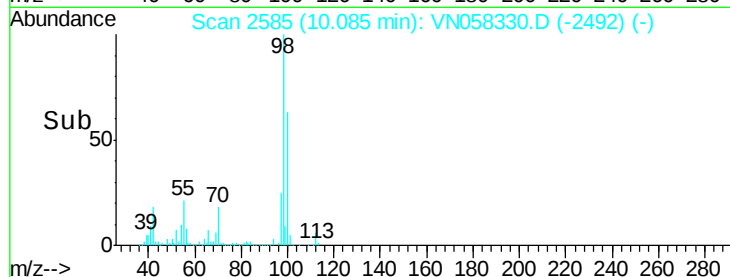
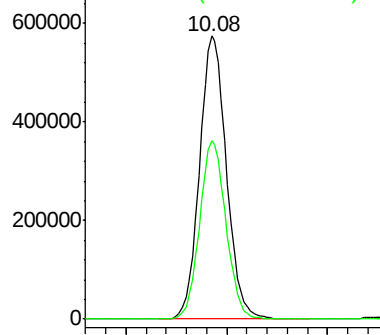
98 100

100 61.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 4.492 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.10 min

Lab File: VN058330.D

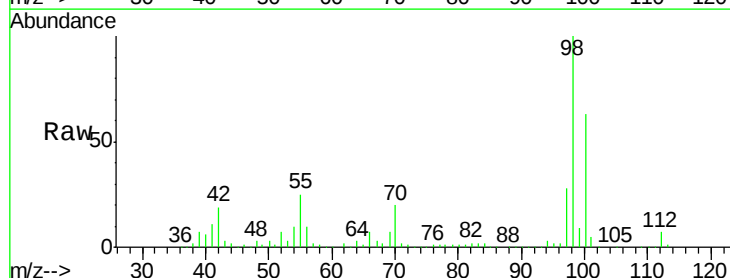
Acq: 24 Sep 2019 6:18

Tgt Ion: 43 Resp: 26712

Ion Ratio Lower Upper

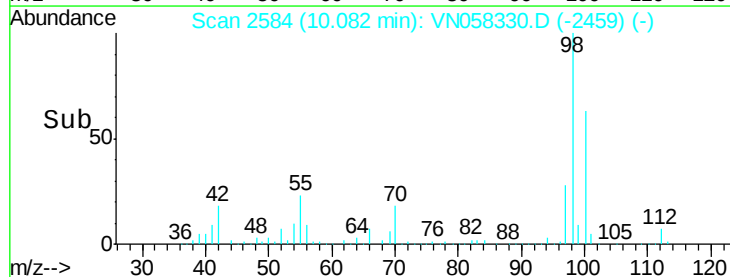
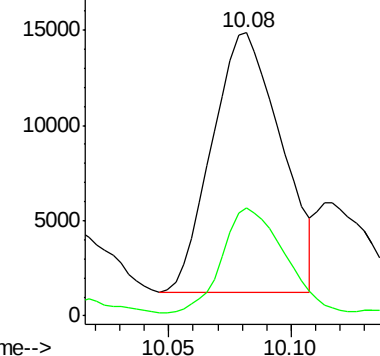
43 100

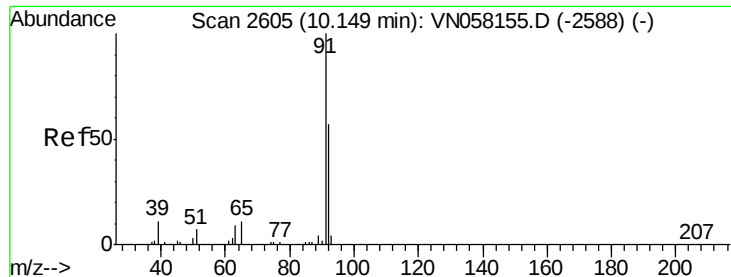
58 39.0 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.732 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

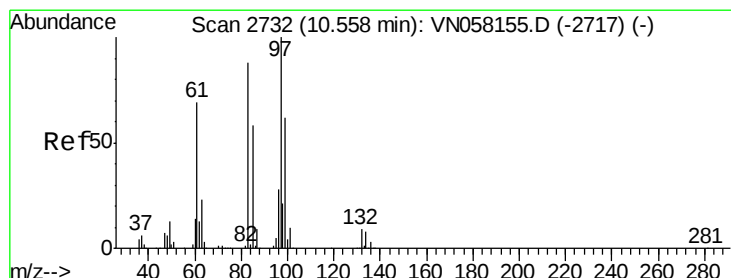
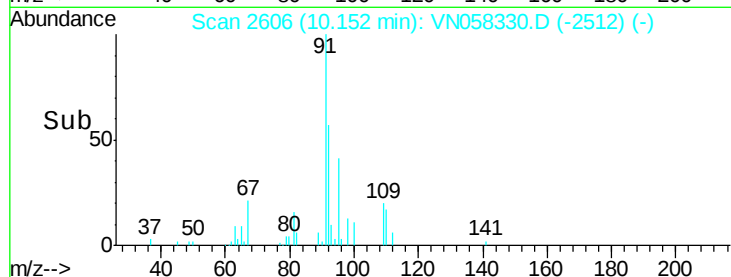
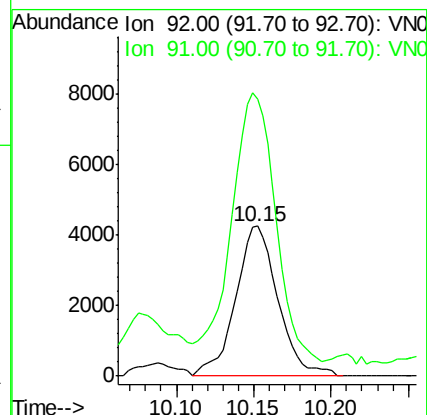
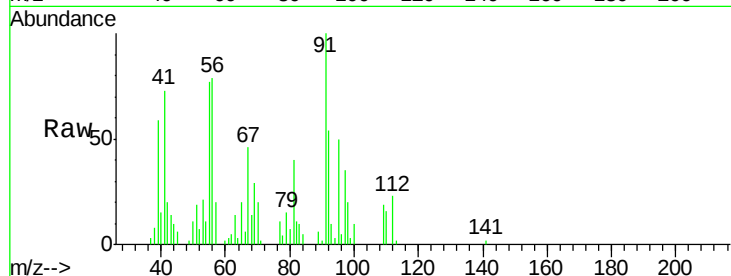
ClientSampled :

Tot Ion: 92 Resp: 8092

Ion Ratio Lower Upper

92 100

91 188.0 140.2 210.2



#55

1,1,2-Trichloroethane

Concen: 41.196 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Tgt Ion: 97 Resp: 202128

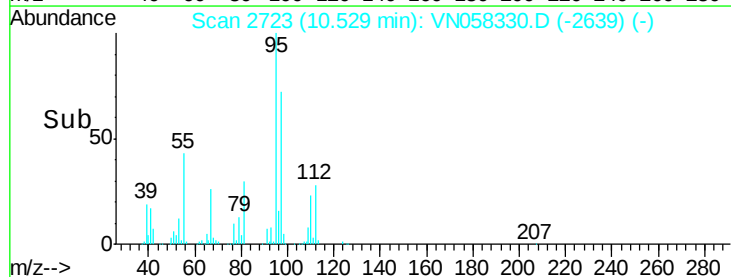
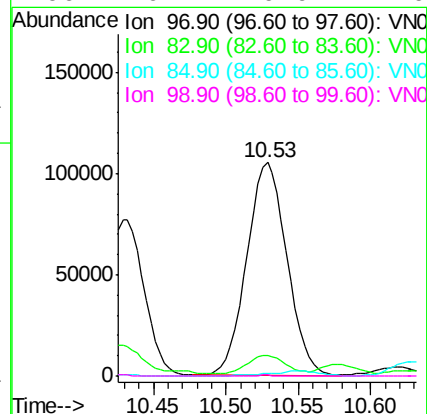
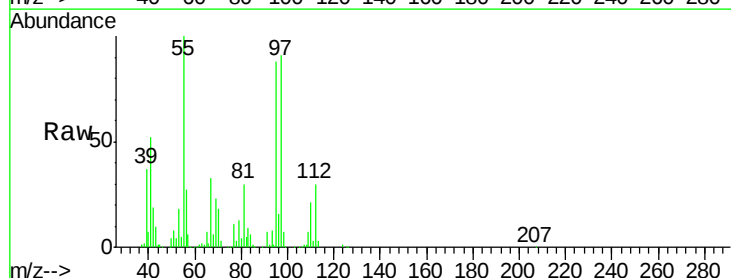
Ion Ratio Lower Upper

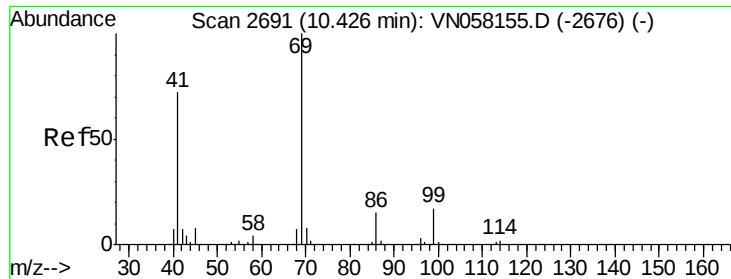
97 100

83 7.5 70.4 105.6#

85 1.0 46.8 70.2#

99 0.4 49.9 74.9#





#56

Ethyl methacrylate

Concen: 4.223 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampled :

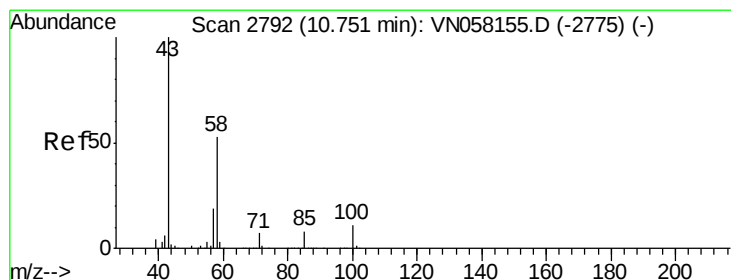
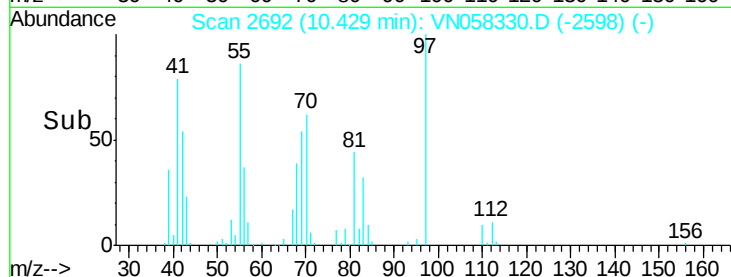
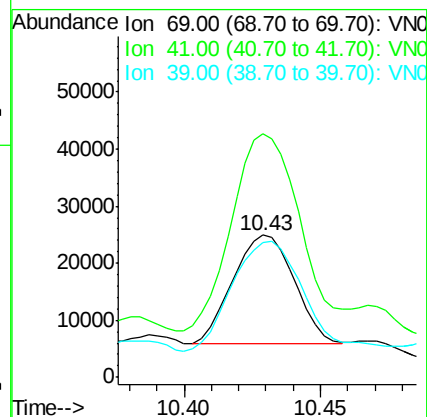
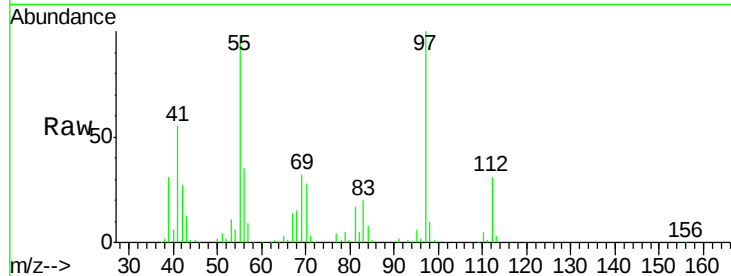
Tot Ion: 69 Resp: 29893

Ion Ratio Lower Upper

69 100

41 198.5 57.5 86.3#

39 127.1 36.1 54.1#



#59

2-Hexanone

Concen: 8.247 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN058330.D

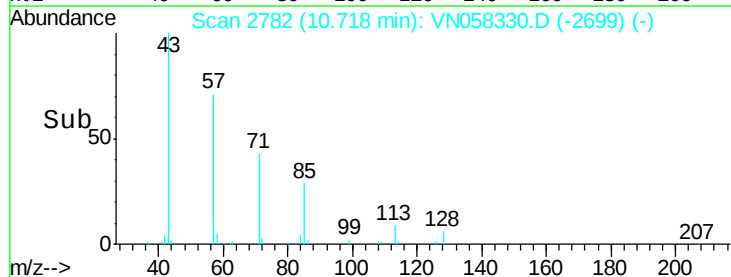
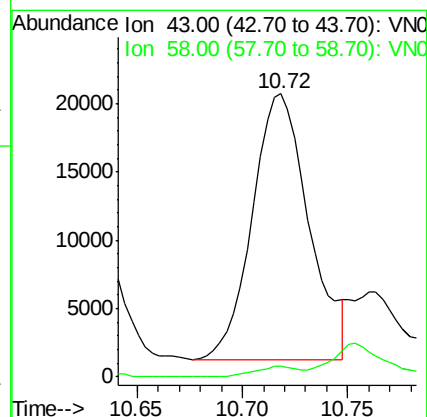
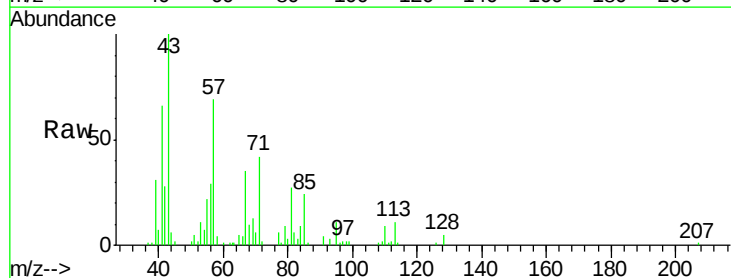
Acq: 24 Sep 2019 6:18

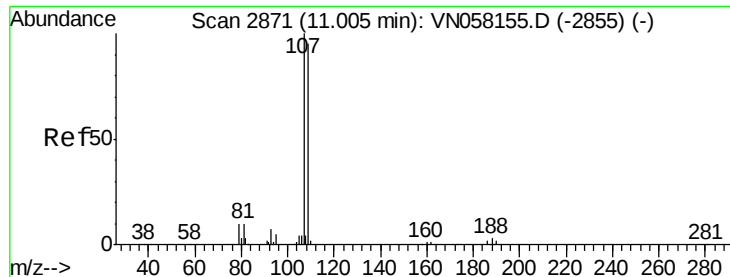
Tgt Ion: 43 Resp: 36419

Ion Ratio Lower Upper

43 100

58 3.0 26.0 78.0#





#61

1,2-Dibromoethane

Concen: 0.395 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.03 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

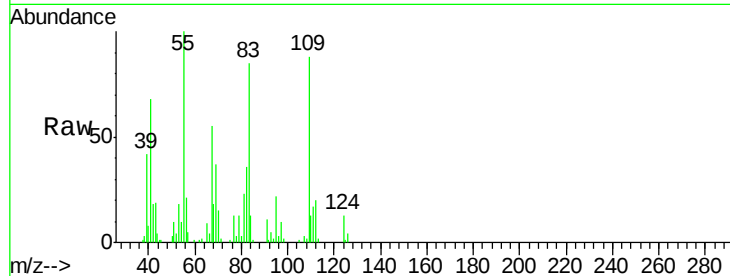
ClientSampled :

Tot Ion:107 Resp: 1795

Ion Ratio Lower Upper

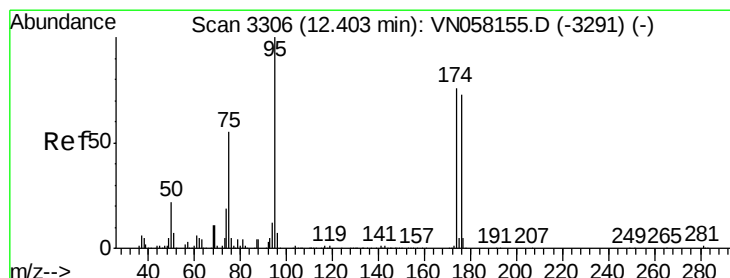
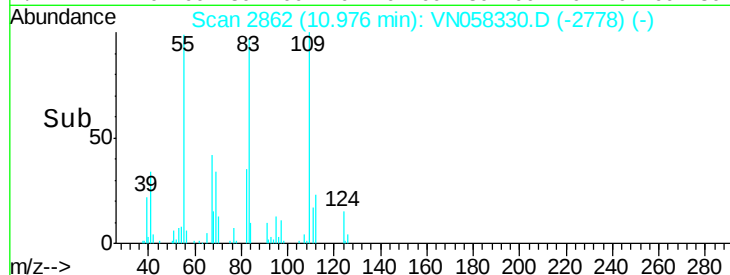
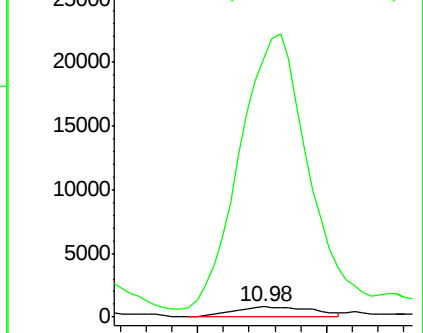
107 100

109 2238.2 75.4 113.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.919 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

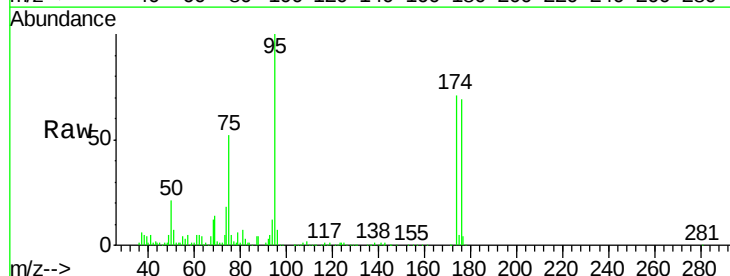
Tgt Ion: 95 Resp: 394055

Ion Ratio Lower Upper

95 100

174 69.7 0.0 152.2

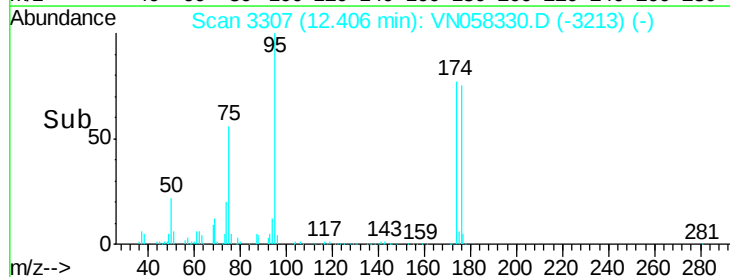
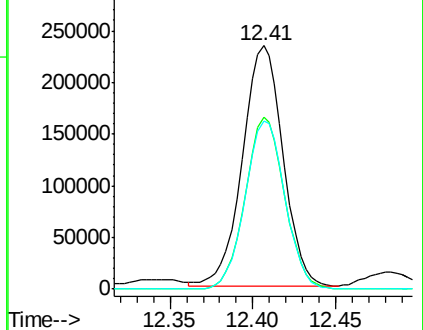
176 68.9 0.0 148.0

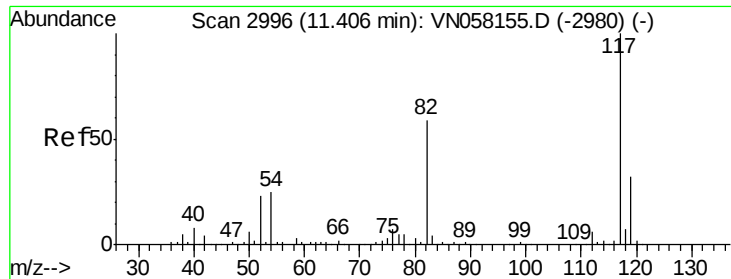


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

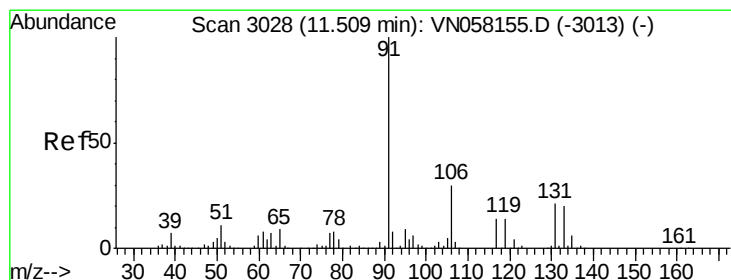
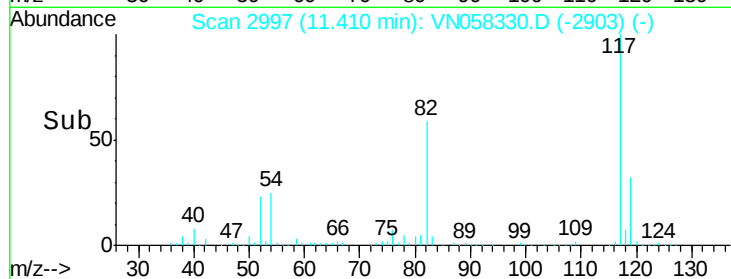
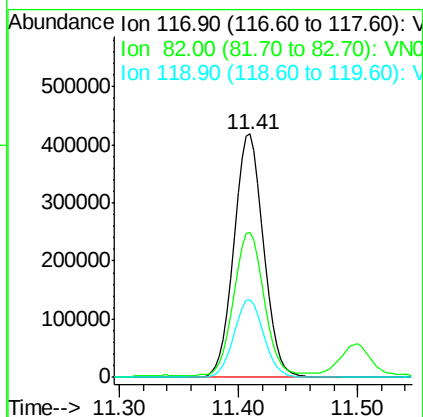
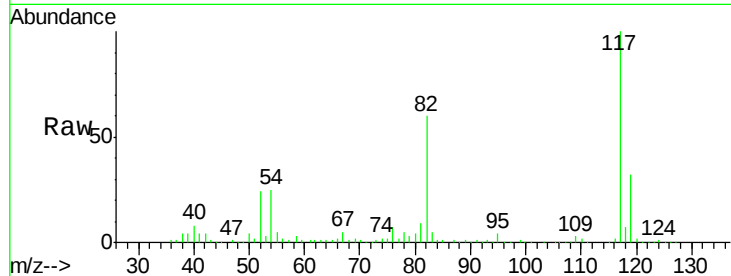




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

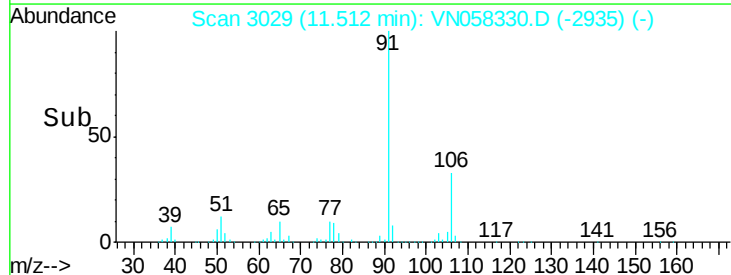
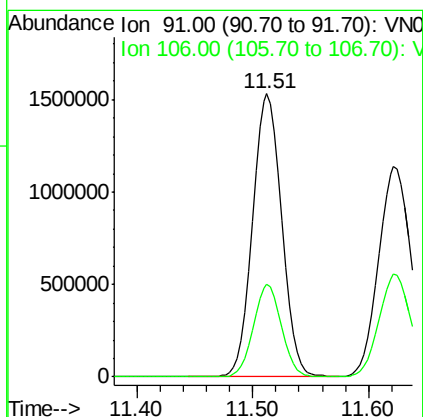
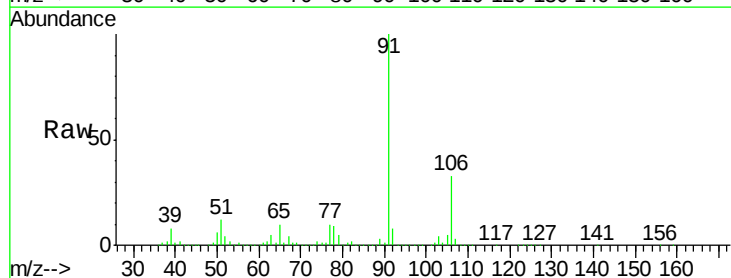
Instrument :
MSVOA_N
ClientSampleId :

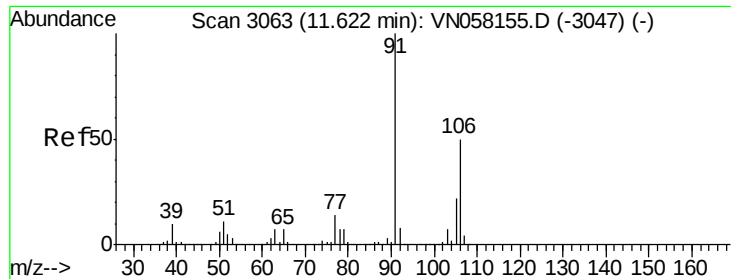
Tot Ion:117 Resp: 722367
Ion Ratio Lower Upper
117 100
82 58.9 46.9 70.3
119 31.9 25.3 37.9



#67
Ethyl Benzene
Concen: 123.137 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion: 91 Resp: 2680855
Ion Ratio Lower Upper
91 100
106 32.9 24.0 36.0

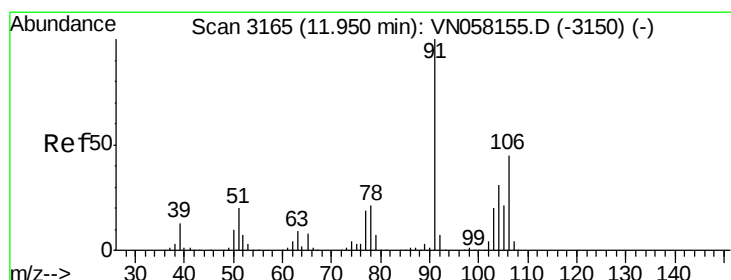
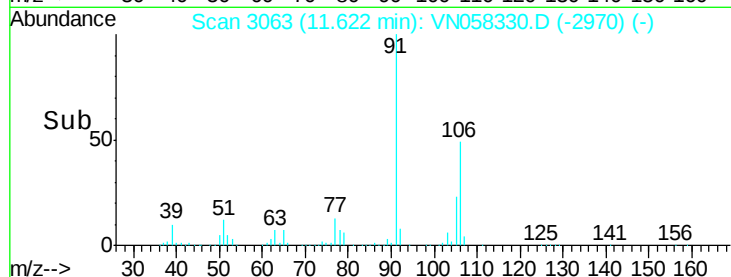
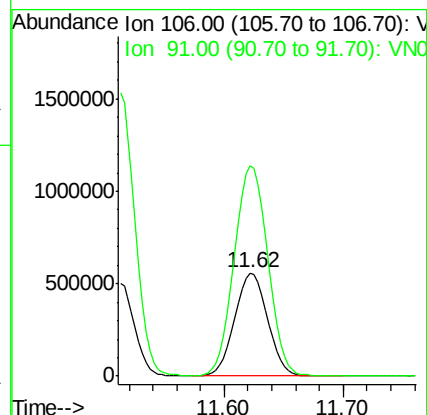
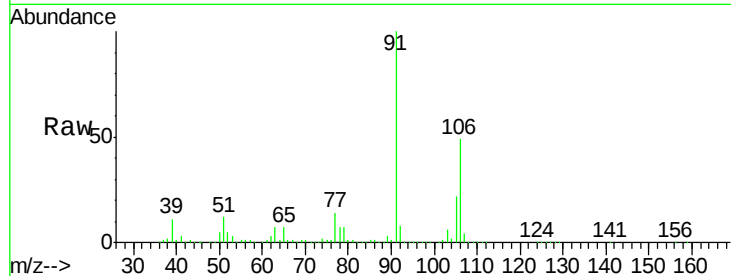




#68
m/p-Xylenes
Concen: 130.387 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

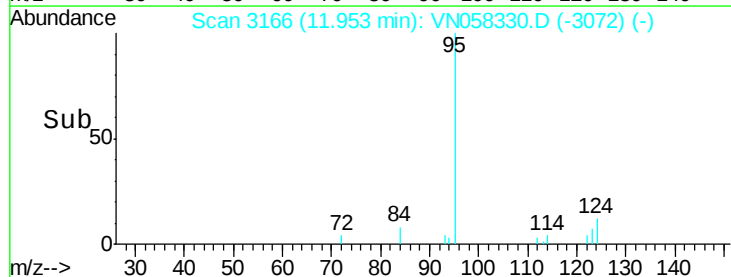
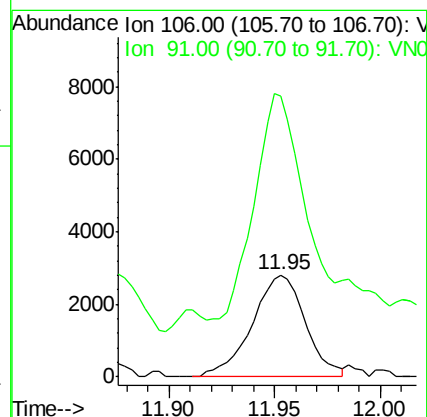
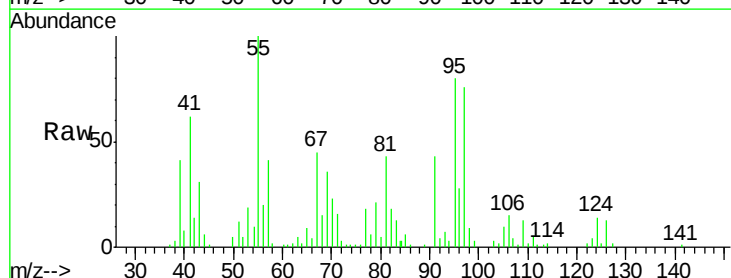
Instrument :
MSVOA_N
ClientSampleId :

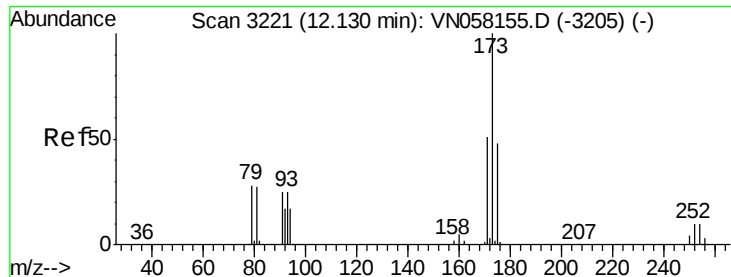
Tot Ion:106 Resp: 1069150
Ion Ratio Lower Upper
106 100
91 208.0 163.6 245.4



#69
o-Xylene
Concen: 0.612 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion:106 Resp: 4934
Ion Ratio Lower Upper
106 100
91 228.6 111.8 335.3

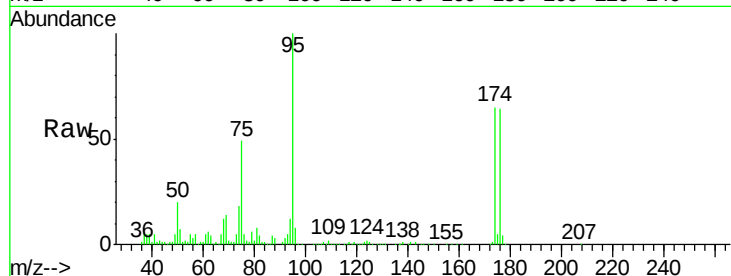




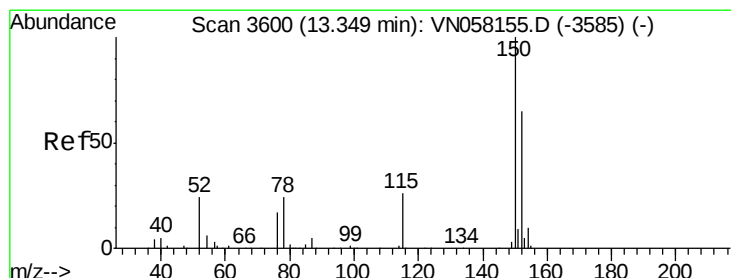
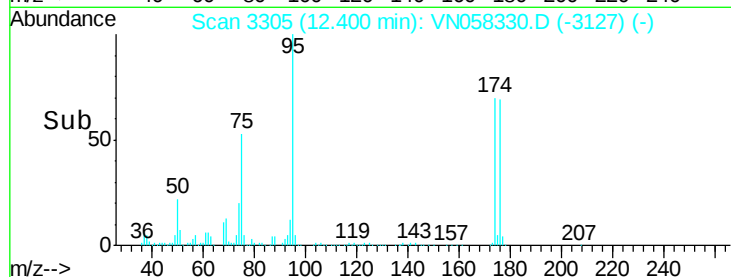
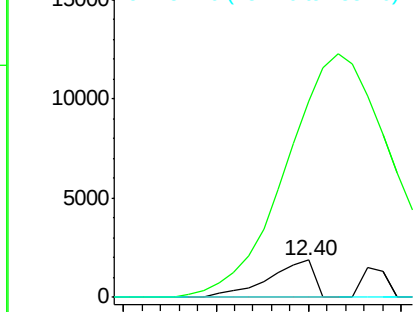
#71
Bromoform
Concen: 3.939 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 1267
Ion Ratio Lower Upper
173 100
175 1295.6 24.2 72.6#
254 0.0 0.1 0.1#

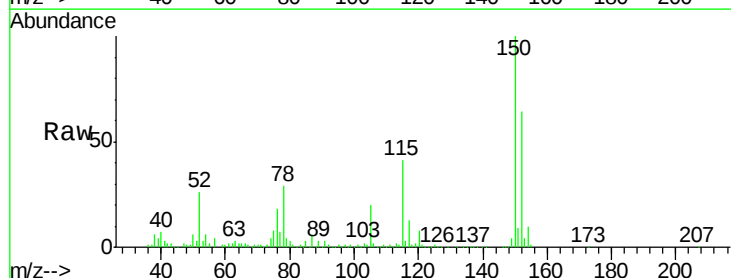


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

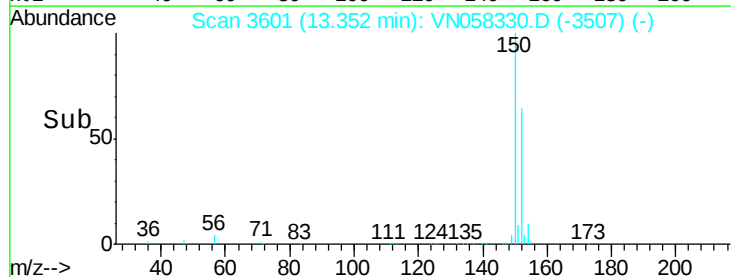
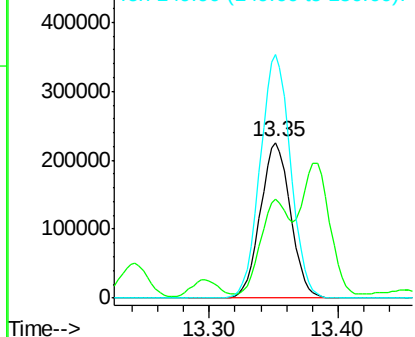


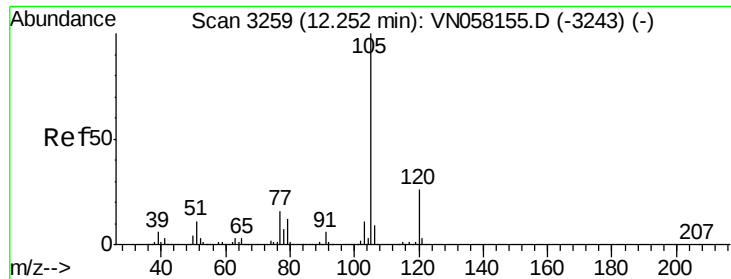
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058330.D
Acq: 24 Sep 2019 6:18

Tgt Ion:152 Resp: 368899
Ion Ratio Lower Upper
152 100
115 58.8 30.1 90.3
150 157.5 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





#73

Isopropylbenzene

Concen: 80.606 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

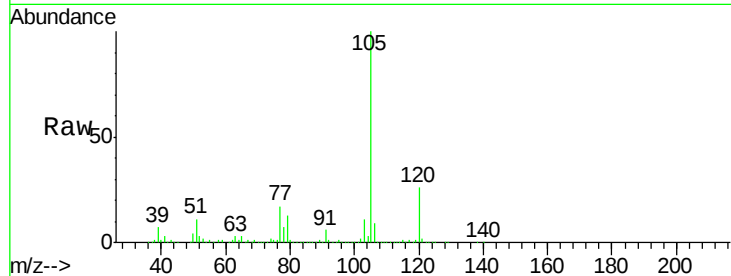
ClientSampled :

Tot Ion:105 Resp: 1861254

Ion Ratio Lower Upper

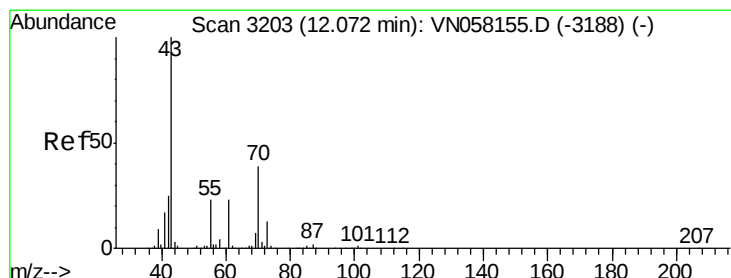
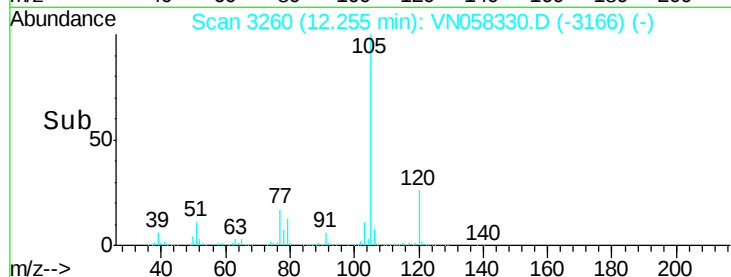
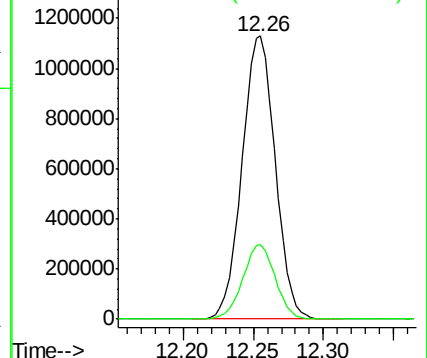
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.316 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Tgt Ion: 43 Resp: 22371

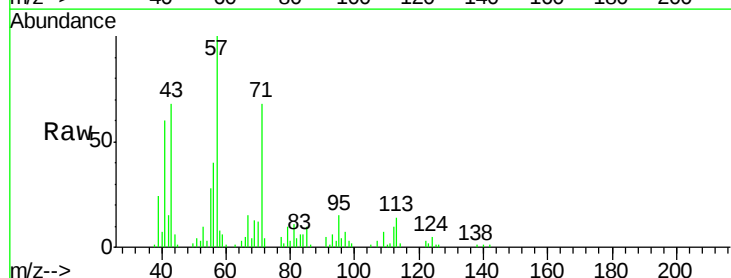
Ion Ratio Lower Upper

43 100

70 7.6 31.0 46.6#

55 0.0 18.5 27.7#

61 0.0 18.2 27.2#

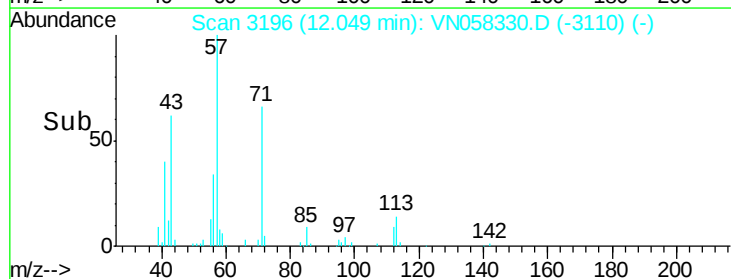
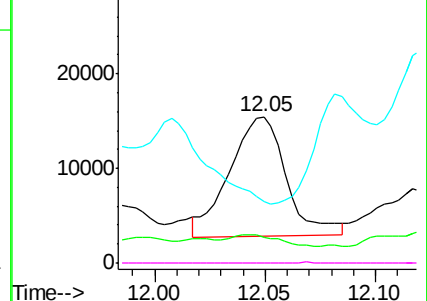


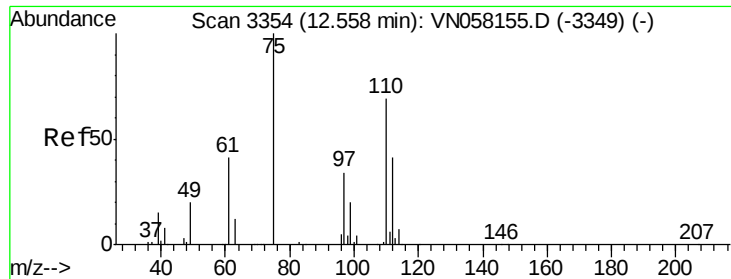
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 5.665 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

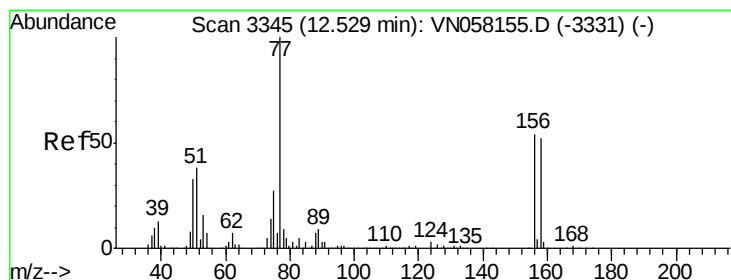
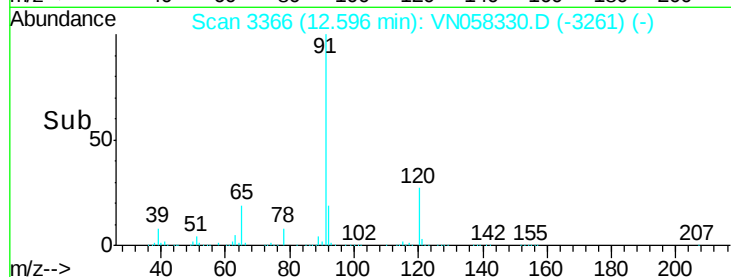
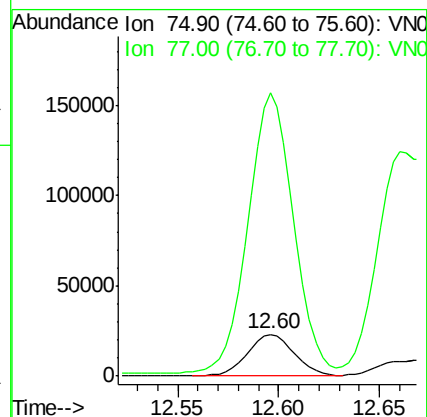
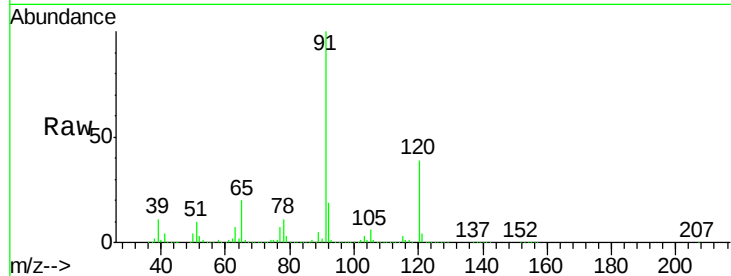
ClientSampled :

Tot Ion: 75 Resp: 37404

Ion Ratio Lower Upper

75 100

77 653.2 0.0 0.0#



#77

Bromobenzene

Concen: 0.213 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

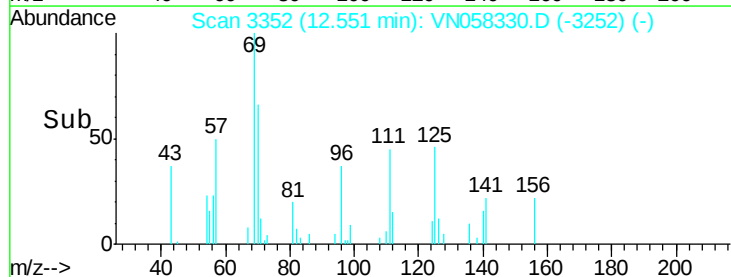
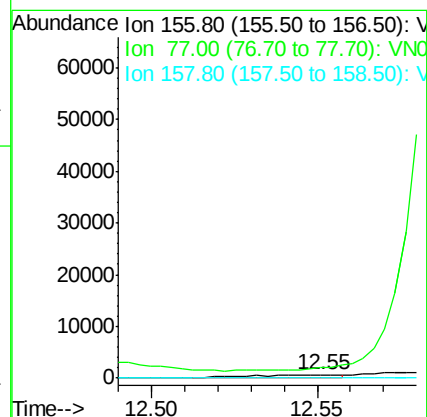
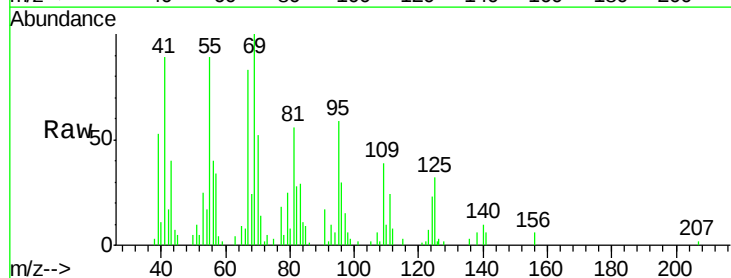
Tgt Ion: 156 Resp: 1237

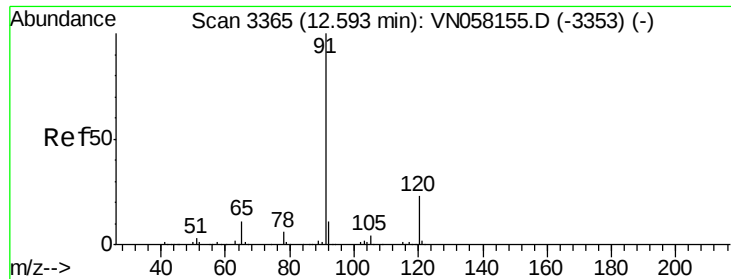
Ion Ratio Lower Upper

156 100

77 0.0 111.7 335.1#

158 0.0 47.9 143.8#





#78

n-propylbenzene

Concen: 160.985 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

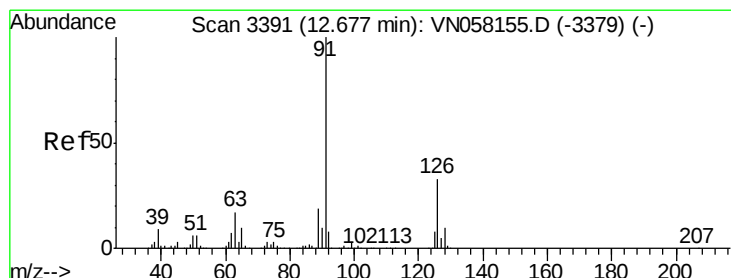
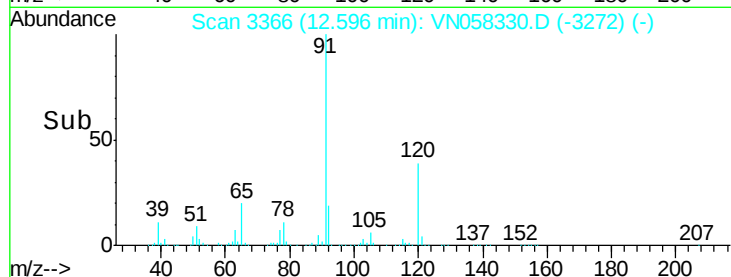
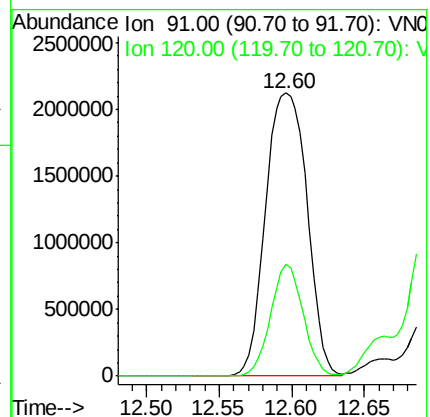
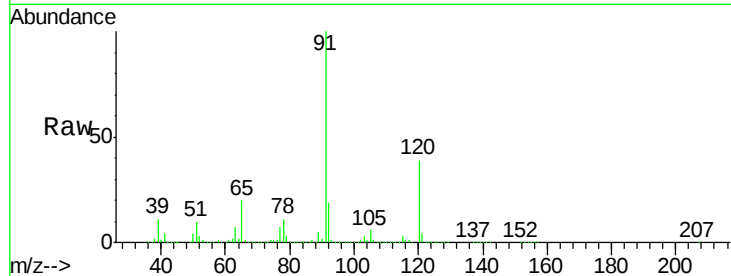
ClientSampled :

Tot Ion: 91 Resp: 4224116

Ion Ratio Lower Upper

91 100

120 31.0 11.1 33.3



#79

2-Chlorotoluene

Concen: 11.174 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VN058330.D

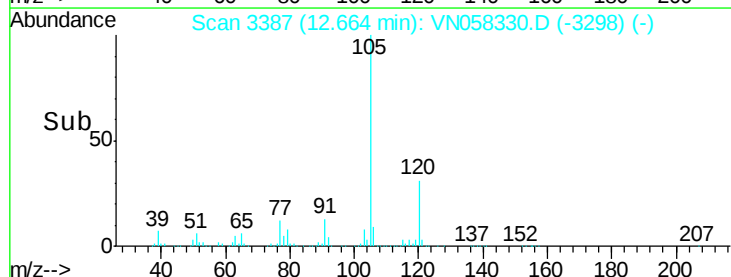
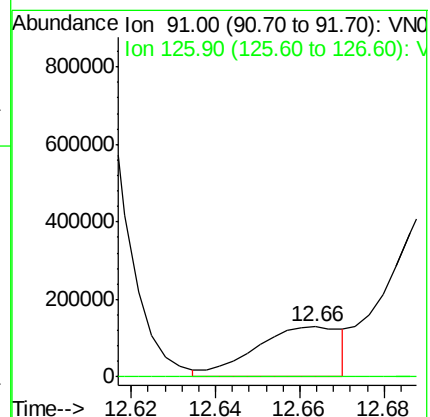
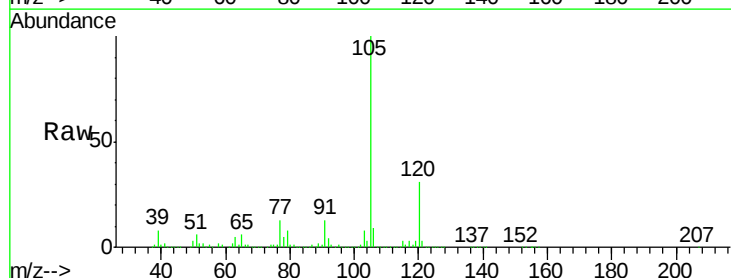
Acq: 24 Sep 2019 6:18

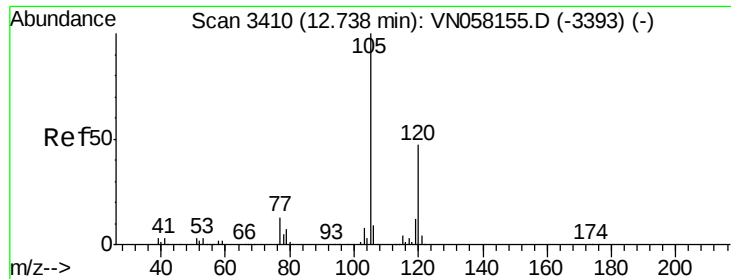
Tgt Ion: 91 Resp: 183243

Ion Ratio Lower Upper

91 100

126 1.3 16.4 49.1#

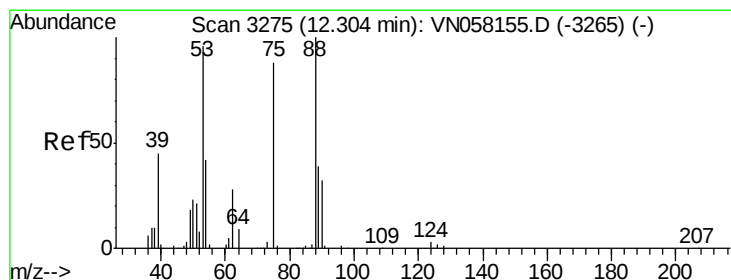
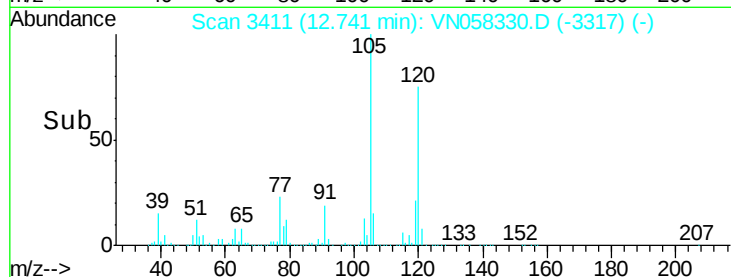
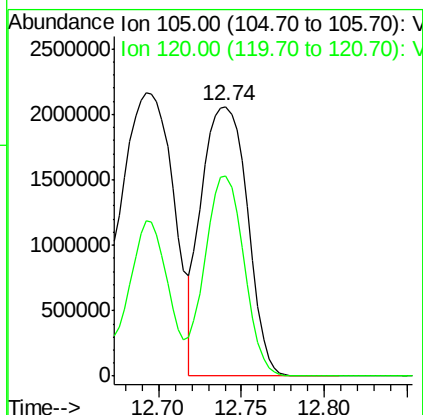
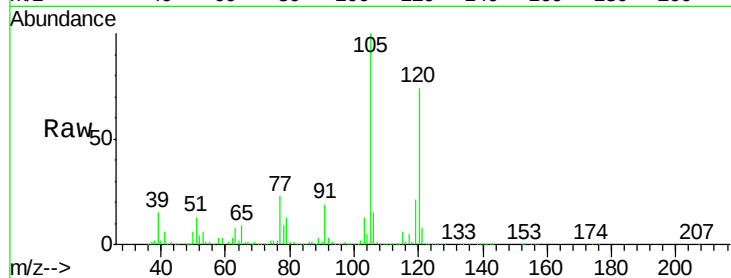




#80
 1,3,5-Trimethylbenzene
 Concen: 202.899 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

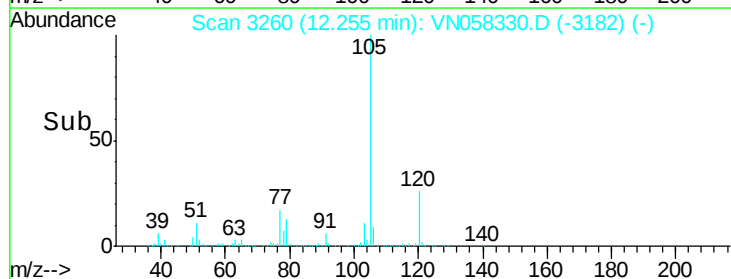
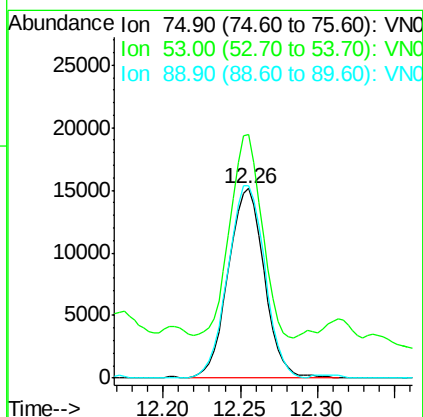
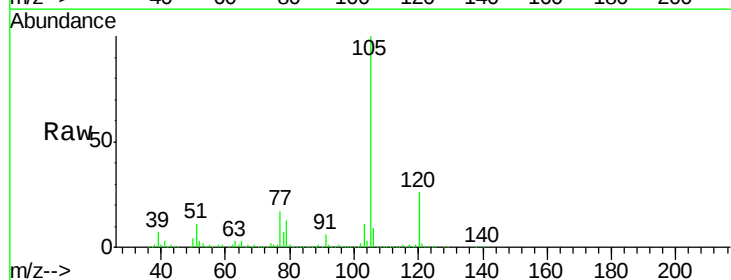
Instrument :
 MSVOA_N
 ClientSampled :

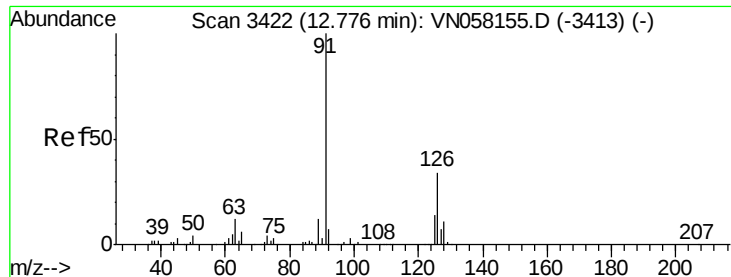
Tot Ion:105 Resp: 3961799
 Ion Ratio Lower Upper
 105 100
 120 64.2 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.554 ug/l
 RT: 12.26 min Scan# 3260
 Delta R.T. -0.05 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion: 75 Resp: 24515
 Ion Ratio Lower Upper
 75 100
 53 96.7 90.1 135.1
 89 104.3 36.2 54.2#





#82

4-Chlorotoluene

Concen: 35.365 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

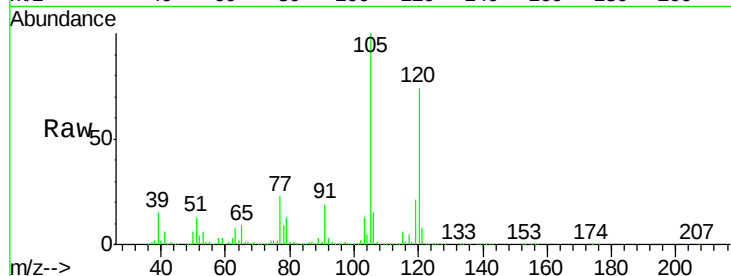
ClientSampled :

Tot Ion: 91 Resp: 609610

Ion Ratio Lower Upper

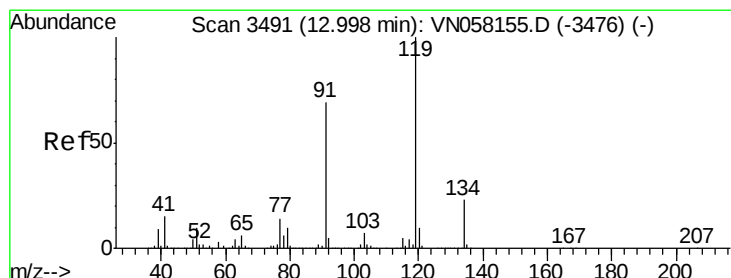
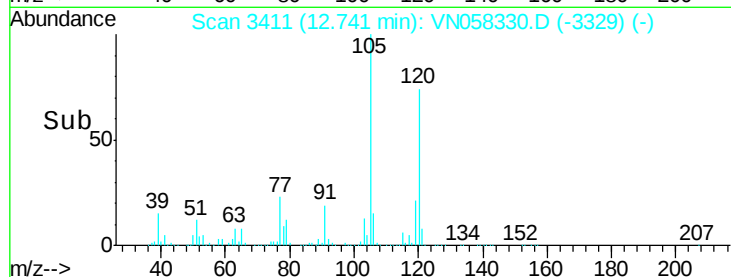
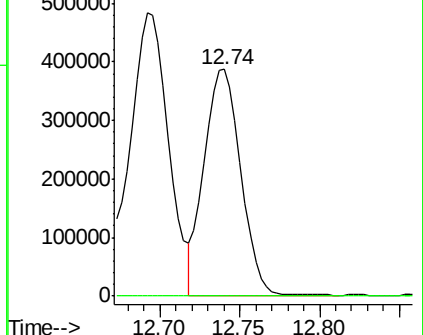
91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058330.D (-3329) (-)

Ion 125.90 (125.60 to 126.60): VN058330.D (-3329) (-)



#83

tert-Butylbenzene

Concen: 140.303 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

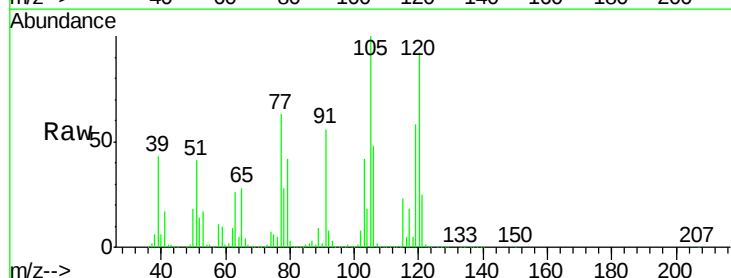
Tgt Ion: 119 Resp: 2443084

Ion Ratio Lower Upper

119 100

91 93.5 33.8 101.3

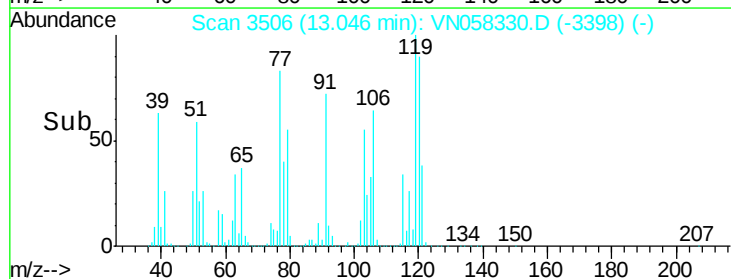
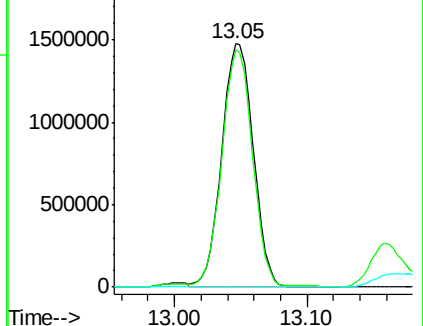
134 0.0 11.6 34.8#

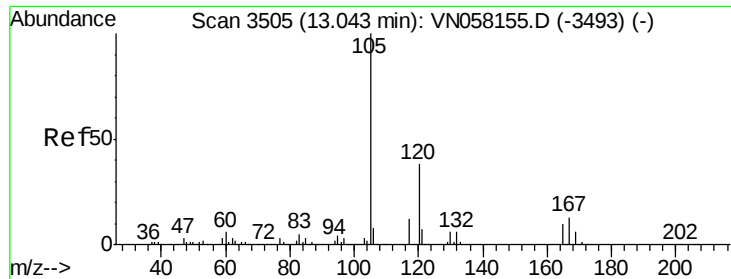


Abundance Ion 119.00 (118.70 to 119.70): VN058330.D (-3398) (-)

Ion 91.00 (90.70 to 91.70): VN058330.D (-3398) (-)

Ion 134.00 (133.70 to 134.70): VN058330.D (-3398) (-)





#84

1,2,4-Trimethylbenzene

Concen: 200.222 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. -0.14 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

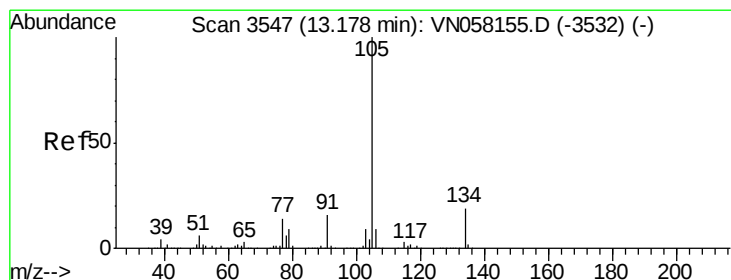
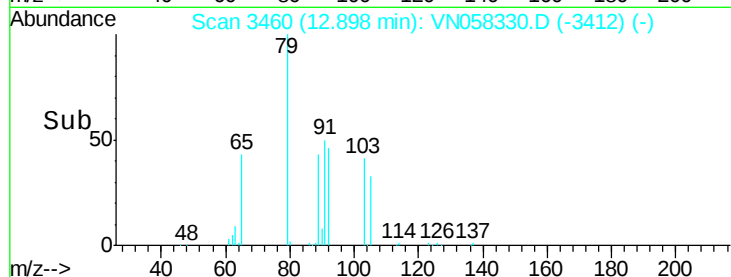
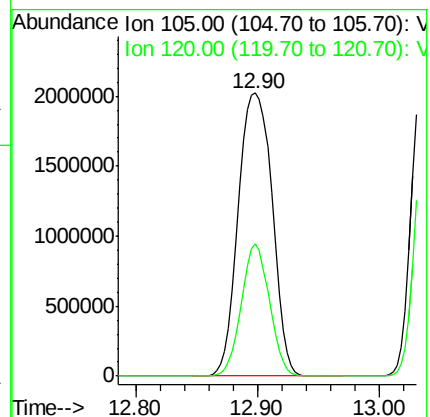
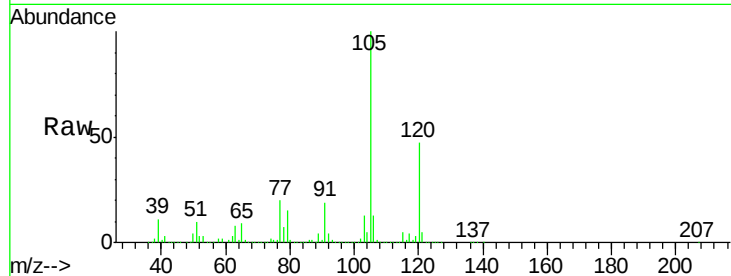
ClientSampleId :

Tot Ion:105 Resp: 3890594

Ion Ratio Lower Upper

105 100

120 38.6 22.1 66.5



#85

sec-Butylbenzene

Concen: 25.524 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058330.D

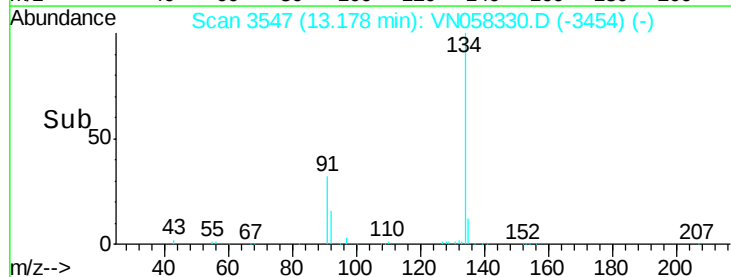
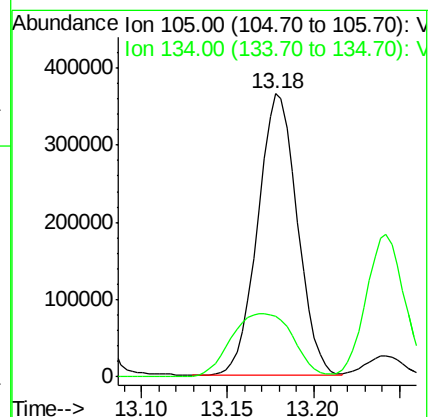
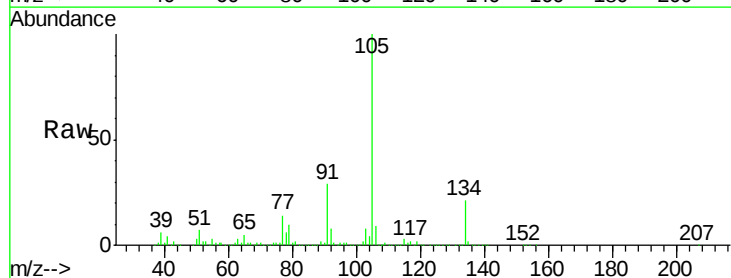
Acq: 24 Sep 2019 6:18

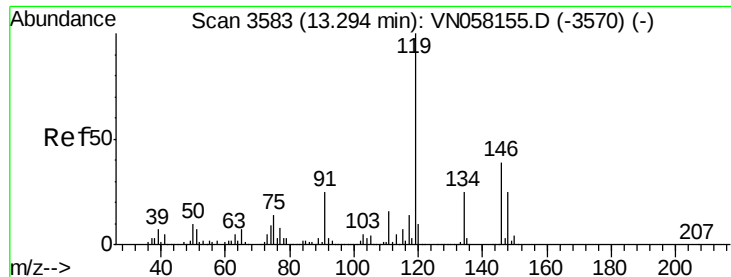
Tgt Ion:105 Resp: 581176

Ion Ratio Lower Upper

105 100

134 35.3 9.5 28.5#

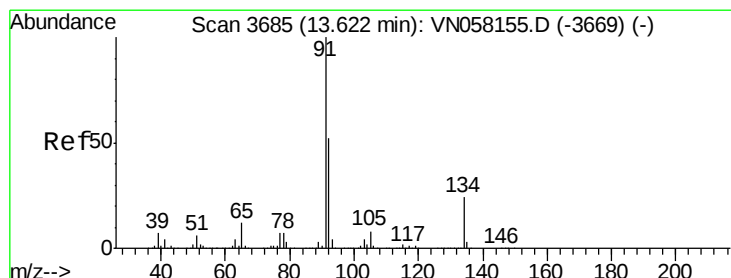
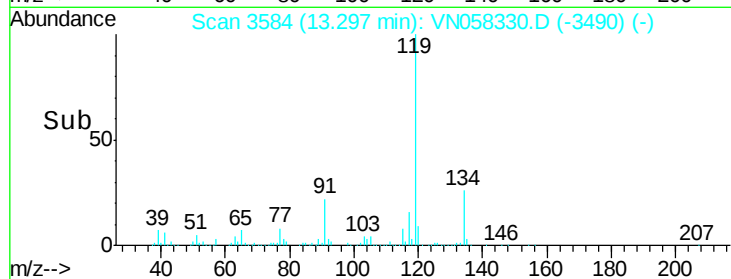
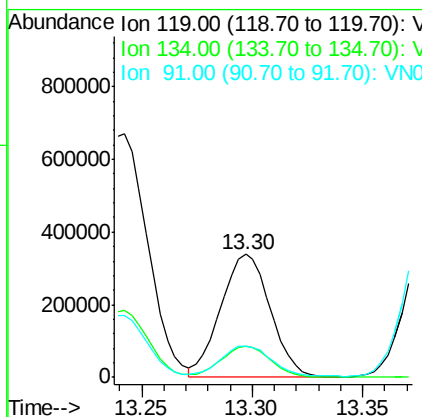
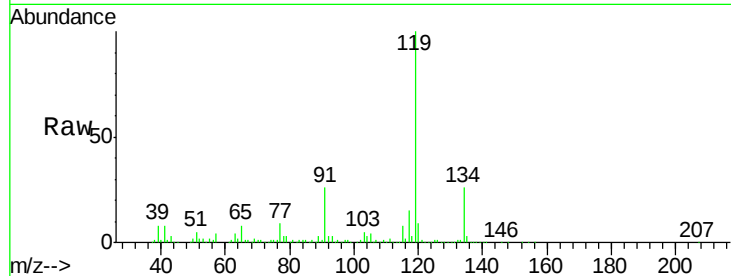




#86
 p-Isopropyltoluene
 Concen: 25.818 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

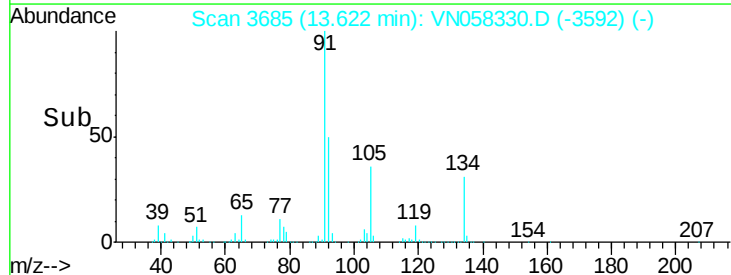
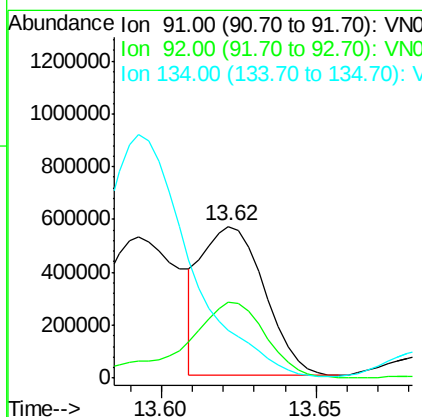
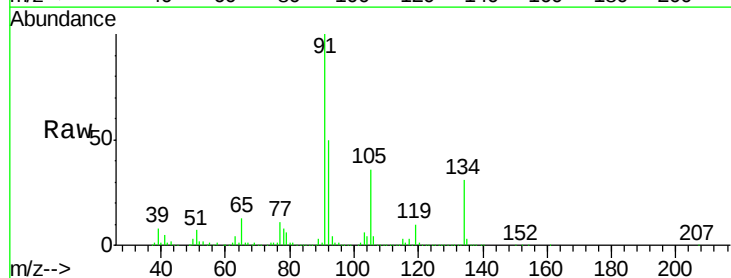
Instrument :
 MSVOA_N
 ClientSampled :

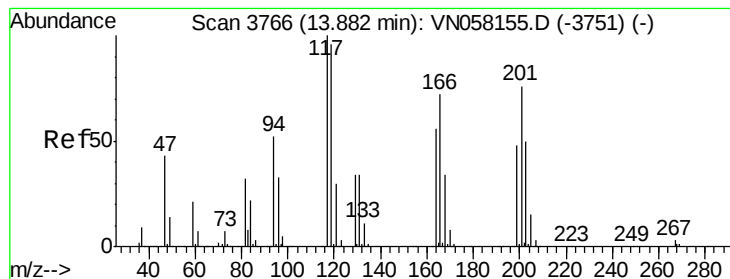
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.0
91	25.3	12.3	36.8



#89
 n-Butylbenzene
 Concen: 41.435 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.7	25.7	77.0
134	0.0	11.8	35.4





#90

Hexachloroethane

Concen: 130.333 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

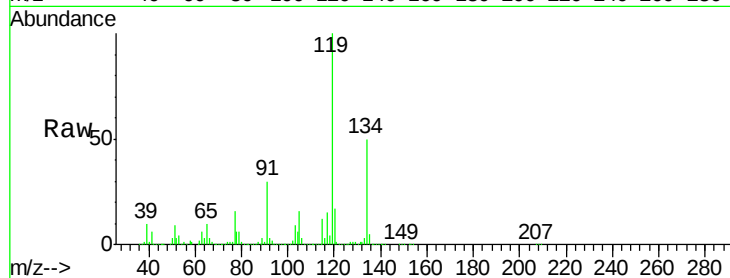
ClientSampleId :

Tot Ion:117 Resp: 479711

Ion Ratio Lower Upper

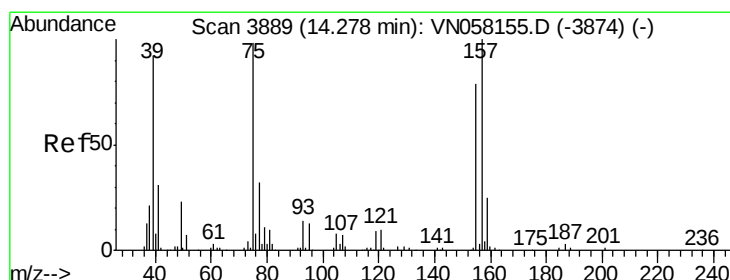
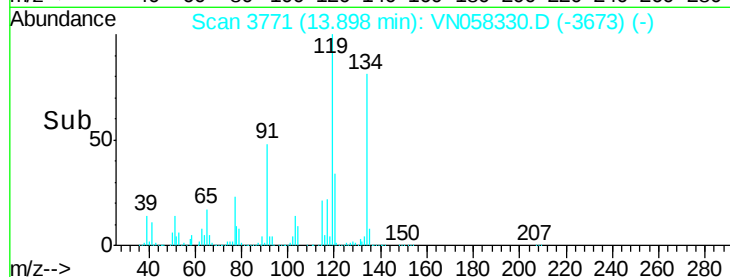
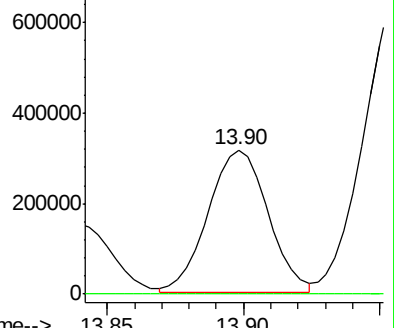
117 100

201 0.0 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.080 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.02 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

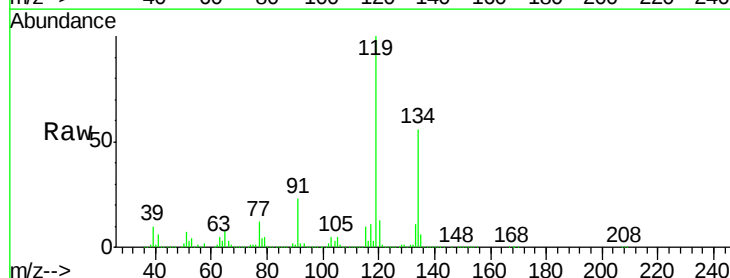
Tgt Ion: 75 Resp: 29345

Ion Ratio Lower Upper

75 100

155 2.2 38.3 114.8#

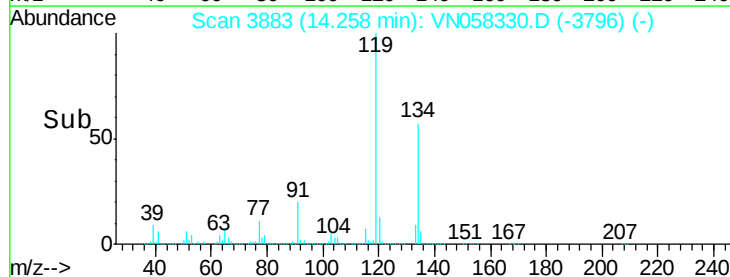
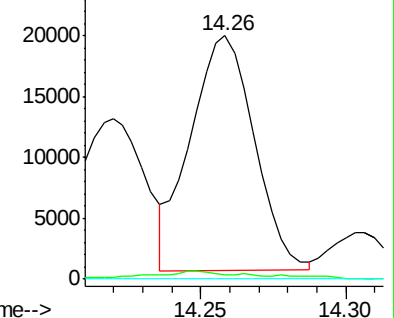
157 0.0 48.0 144.0#

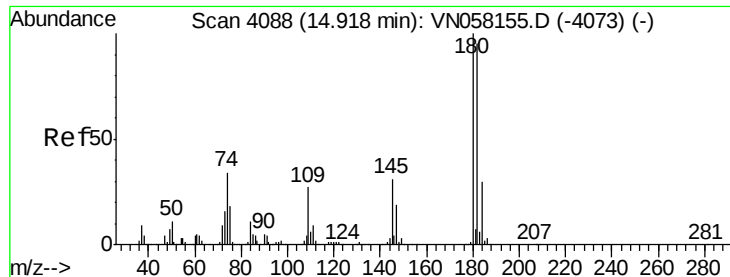


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.276 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

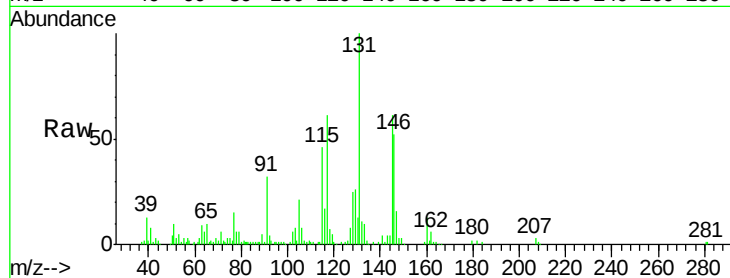
Tot Ion:180 Resp: 1875

Ion Ratio Lower Upper

180 100

182 103.0 47.8 143.3

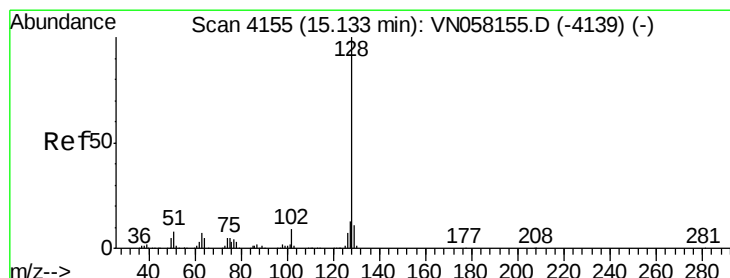
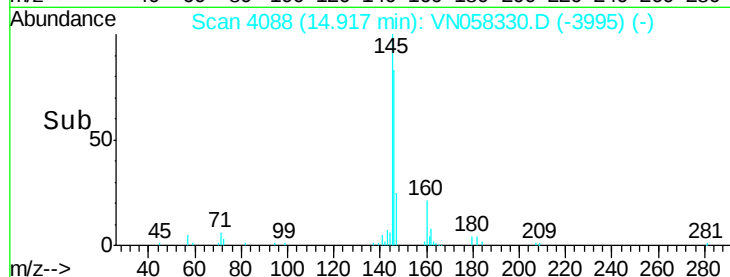
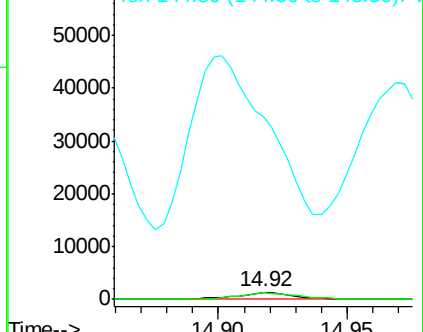
145 6170.7 15.4 46.4#



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



#95

Naphthalene

Concen: 174.470 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058330.D

Acq: 24 Sep 2019 6:18

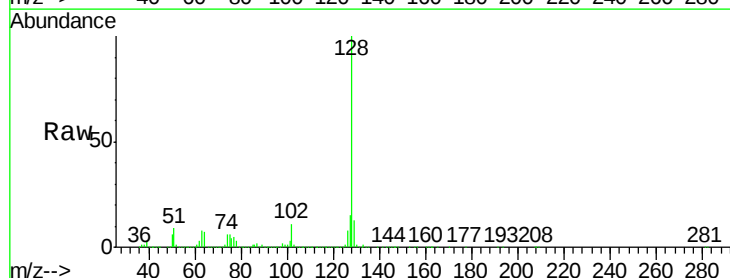
Tgt Ion:128 Resp: 3074311

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

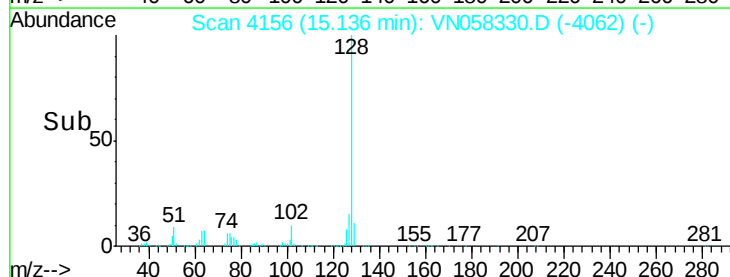
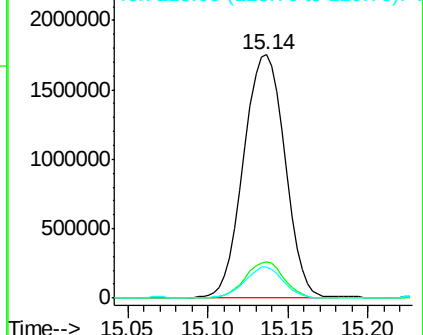
129 11.7 8.6 12.8

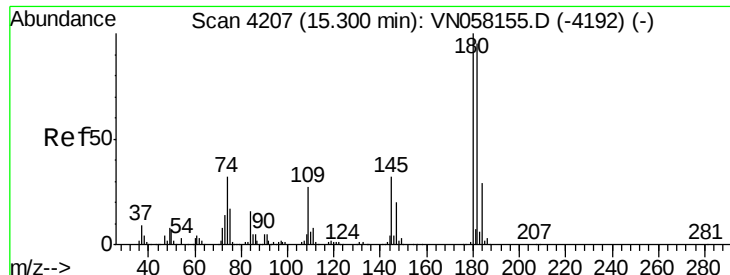


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

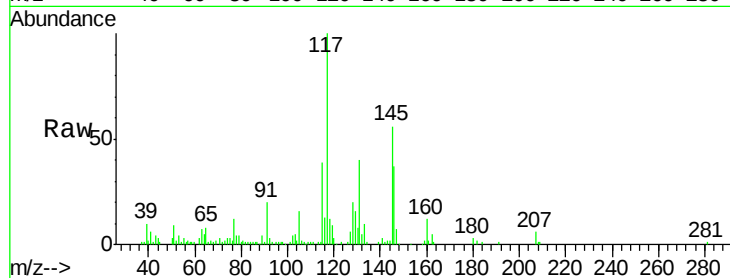




#96
 1,2,3-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058330.D
 Acq: 24 Sep 2019 6:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1979
 Ion Ratio Lower Upper
 180 100
 182 86.6 47.4 142.2
 145 0.0 16.1 48.2#



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

