

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058223.D
 Acq On : 19 Sep 2019 22:34
 Operator : JC/SP
 Sample : K4940-05DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30357DL

Quant Time: Sep 20 04:26:50 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	562414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	895263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	785249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356153	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	369123	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	7.57	113	258842	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.08	98	1077356	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	365229	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	722	Below Cal	#	42
4) Vinyl Chloride	2.43	62	291	Below Cal	#	83
5) Bromomethane	2.55	94	367	0.898	ug/l	87
6) Chloroethane	2.69	64	68	Below Cal	#	44
13) Acrolein	3.59	56	107	0.775	ug/l #	15
15) Acrylonitrile	5.03	53	522	0.210	ug/l #	34
16) Acetone	3.80	43	22319	8.394	ug/l	99
17) Carbon Disulfide	4.03	76	3824	1.054	ug/l #	74
18) Methyl Acetate	4.32	43	1720	0.246	ug/l #	61
19) Methyl tert-butyl Ether	5.02	73	18950	1.105	ug/l #	14
20) Methylene Chloride	4.53	84	467	Below Cal	#	35
22) Diisopropyl ether	5.93	45	19541	1.034	ug/l #	87
25) 2-Butanone	6.83	43	4324	1.194	ug/l #	84
31) Cyclohexane	7.64	56	33793	2.909	ug/l #	61
36) 1,1-Dichloropropene	7.65	75	47364	7.336	ug/l #	51
38) Carbon Tetrachloride	7.65	117	57891	8.920	ug/l #	14
39) Methylcyclohexane	9.07	83	21347	3.486	ug/l	97
40) Benzene	8.03	78	887624	45.013	ug/l	100
41) Methacrylonitrile	7.10	41	192	0.967	ug/l #	100
42) 1,2-Dichloroethane	8.03	62	8530	1.031	ug/l	81
51) 4-Methyl-2-Pentanone	10.08	43	7019	1.056	ug/l #	1
52) Toluene	10.15	92	3375182	273.109	ug/l #	73
53) t-1,3-Dichloropropene	10.15	75	45889	5.972	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	2766	0.504	ug/l #	31
67) Ethyl Benzene	11.51	91	1151496	48.655	ug/l	100
68) m/p-Xylenes	11.62	106	1438310	161.361	ug/l	97
69) o-Xylene	11.95	106	744989	85.000	ug/l	98
70) Styrene	11.95	104	40959	2.712	ug/l #	1
71) Bromoform	12.40	173	1007	3.847	ug/l #	1
73) Isopropylbenzene	12.25	105	56201	2.521	ug/l	97
74) N-amyl acetate	12.03	43	42217	4.527	ug/l #	50
76) 1,2,3-Trichloropropane	12.66	75	6821	1.070	ug/l #	100
78) n-propylbenzene	12.59	91	200718	7.923	ug/l	98
79) 2-Chlorotoluene	12.66	91	92662	5.853	ug/l #	42

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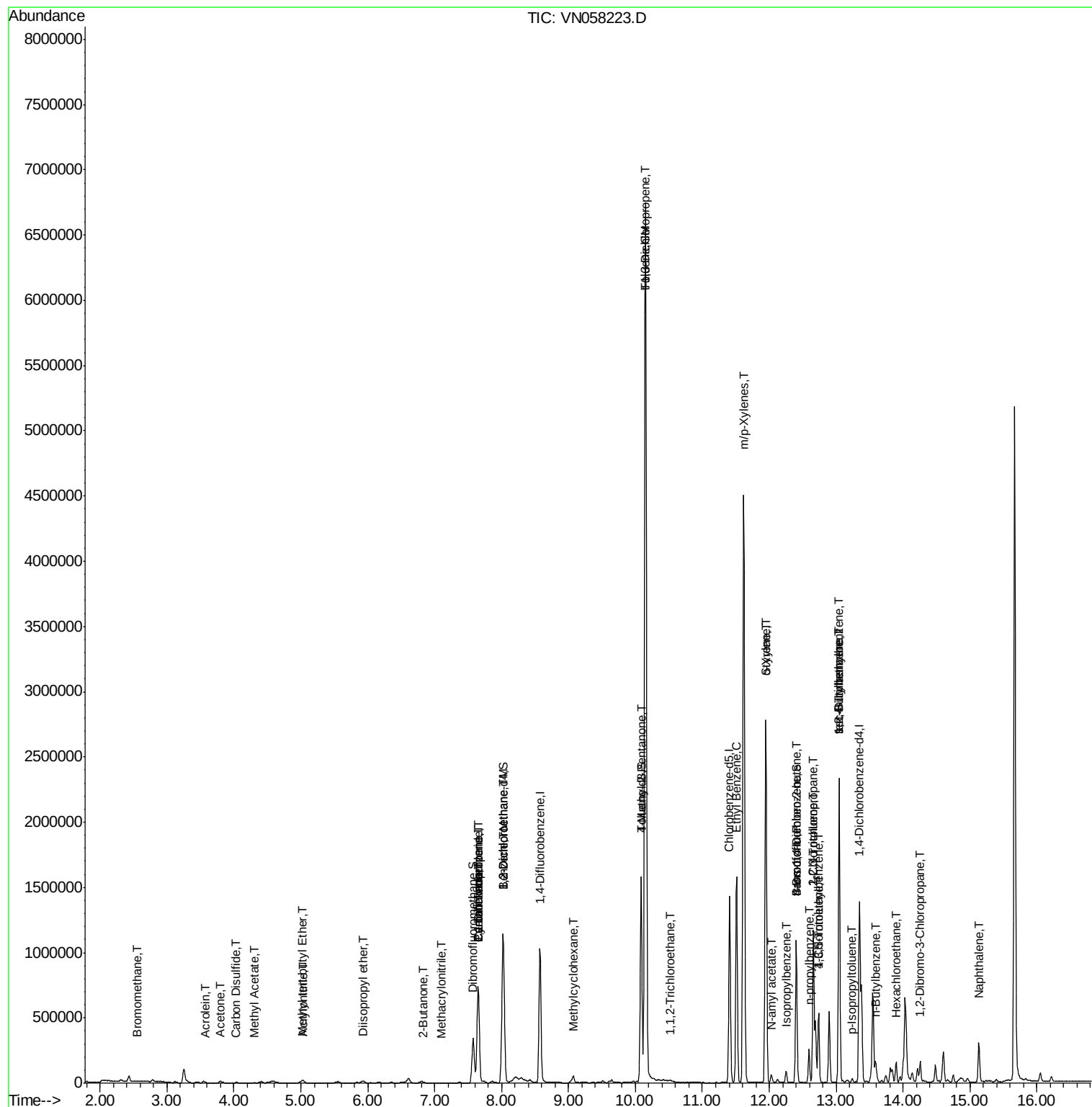
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.74	105	287314	15.241	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	197971	87.534	ug/l #	5
82) 4-Chlorotoluene	12.74	91	31233	1.877	ug/l #	43
83) tert-Butylbenzene	13.05	119	153390	9.124	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.04	105	1312977	69.988	ug/l	99
85) sec-Butylbenzene	13.04	105	1312977	59.726	ug/l #	58
86) p-Isopropyltoluene	13.24	119	15468	0.791	ug/l	88
89) n-Butylbenzene	13.59	91	5349	0.289	ug/l #	1
90) Hexachloroethane	13.89	117	7497	4.887	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	967	0.719	ug/l #	11
95) Naphthalene	15.13	128	234719	13.797	ug/l	100

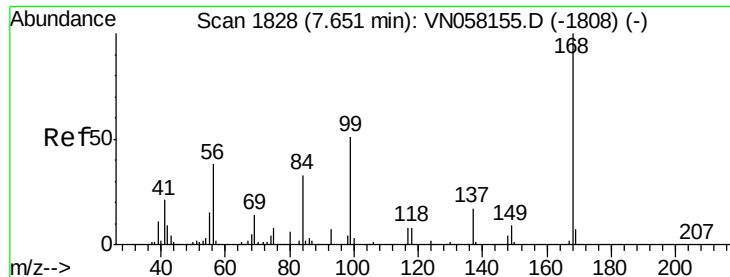
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

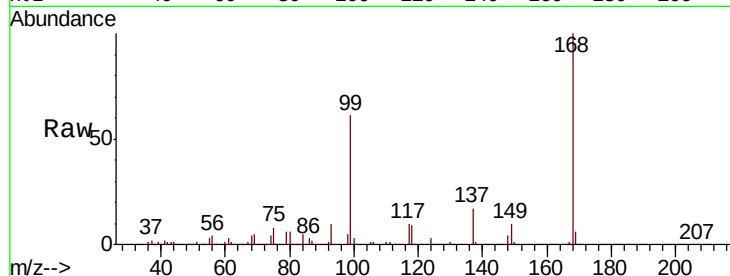
30357DL

Tot Ion:168 Resp: 562414

Ion Ratio Lower Upper

168 100

99 60.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058155.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1808) (-)

7.65

250000

200000

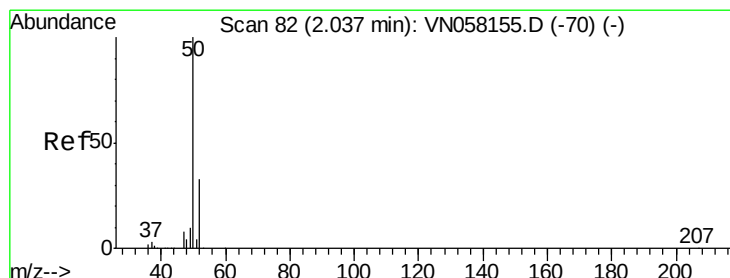
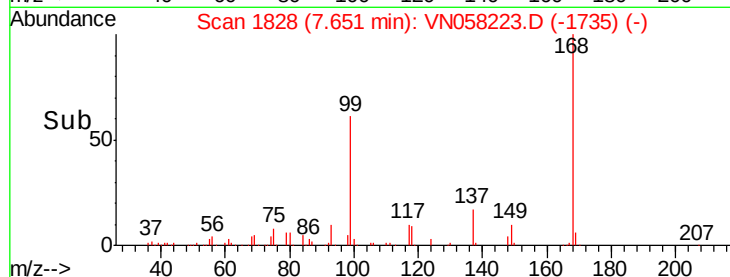
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058223.D

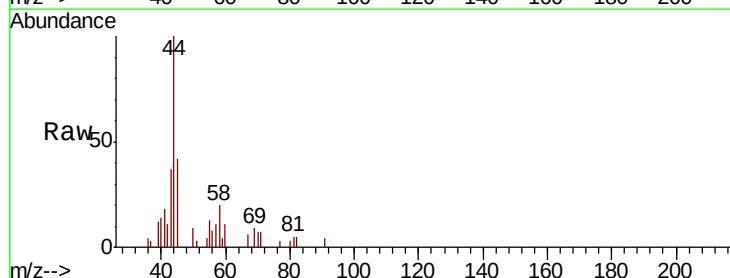
Acq: 19 Sep 2019 22:34

Tgt Ion: 50 Resp: 722

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058155.D (-70) (-)

2.04

500

400

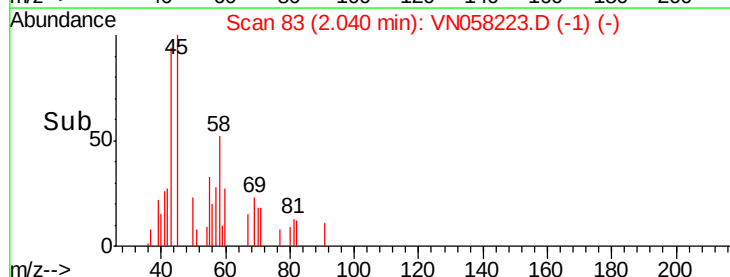
300

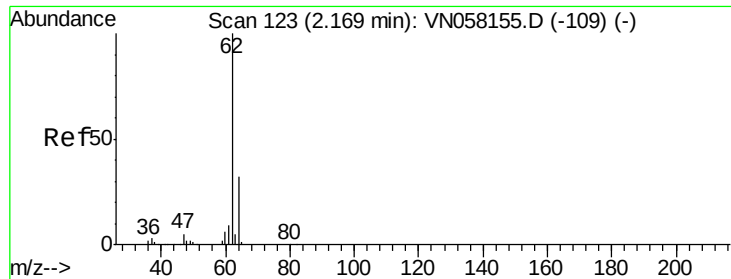
200

100

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.43 min Scan# 204

Delta R.T. 0.26 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

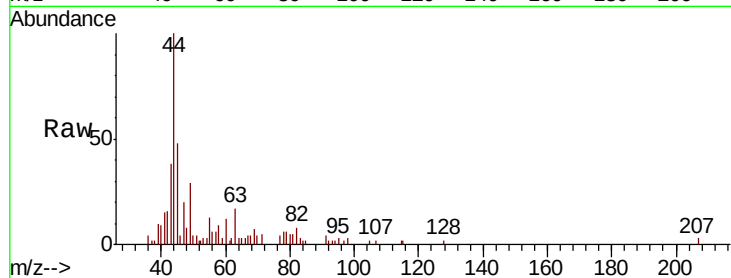
30357DL

Tot Ion: 62 Resp: 291

Ion Ratio Lower Upper

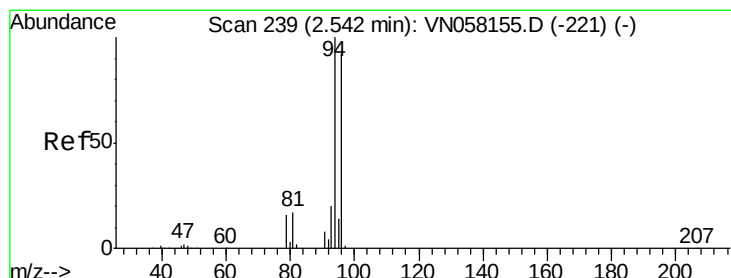
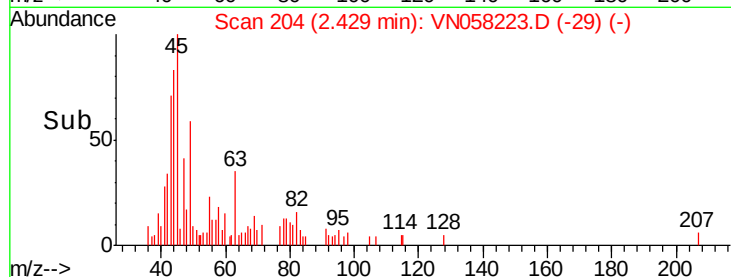
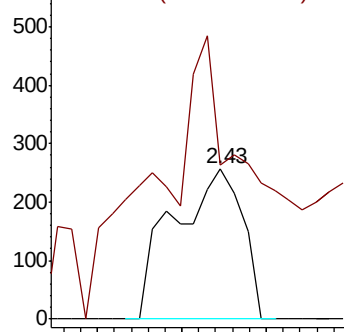
62 100

64 22.6 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: 0.898 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058223.D

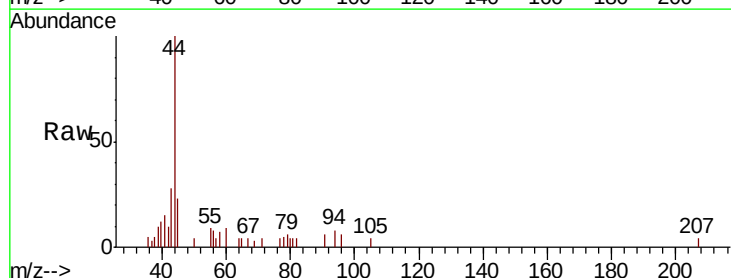
Acq: 19 Sep 2019 22:34

Tgt Ion: 94 Resp: 367

Ion Ratio Lower Upper

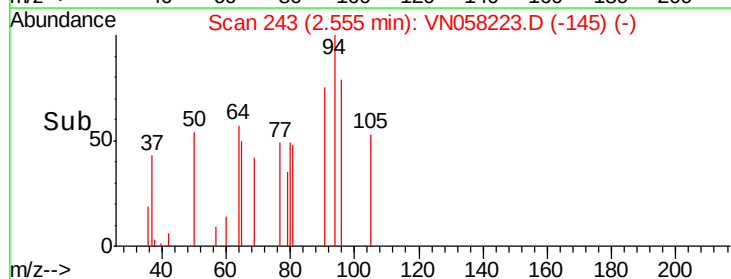
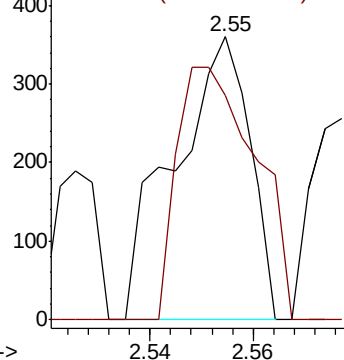
94 100

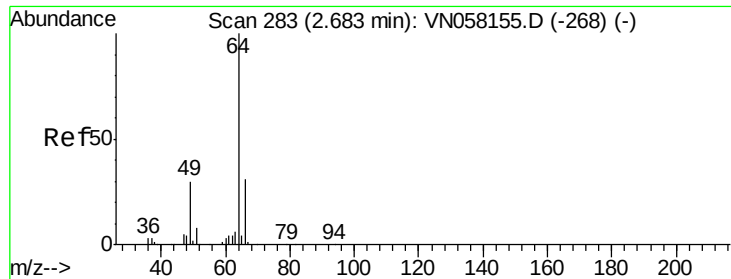
96 79.2 73.3 109.9



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: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

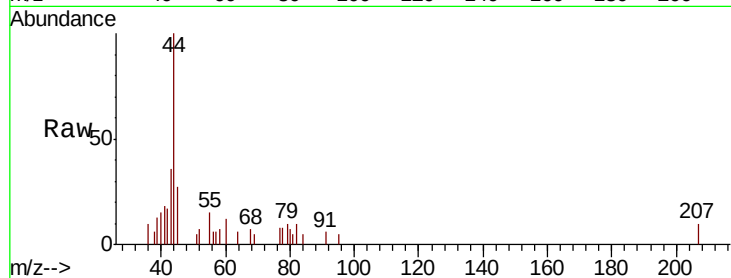
30357DL

Tot Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



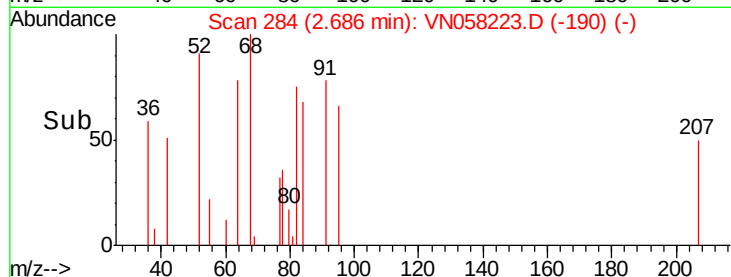
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

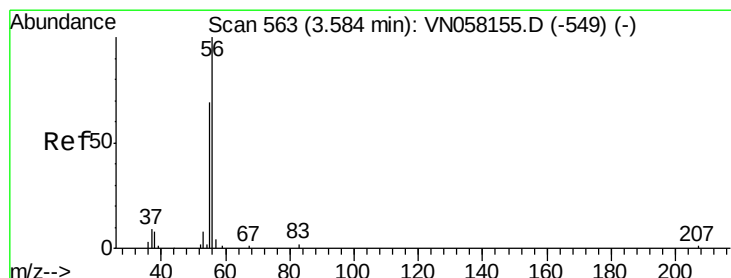
2.69

2.69

2.70



Time-->



#13

Acrolein

Concen: 0.775 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058223.D

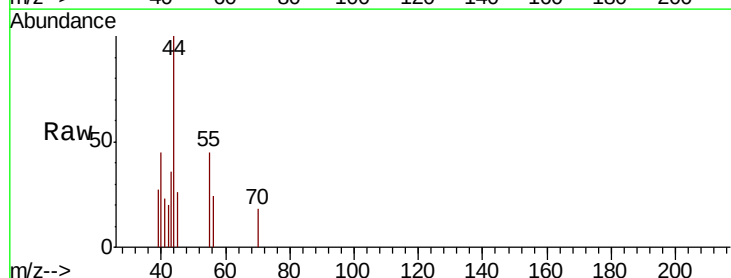
Acq: 19 Sep 2019 22:34

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



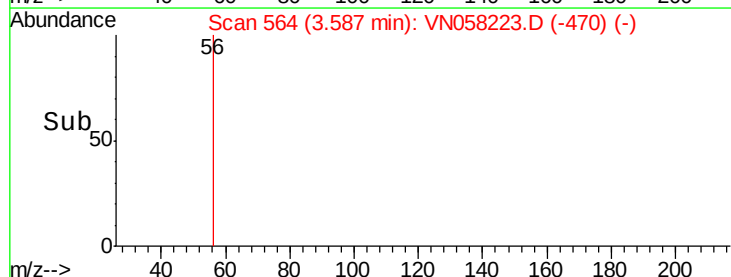
Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

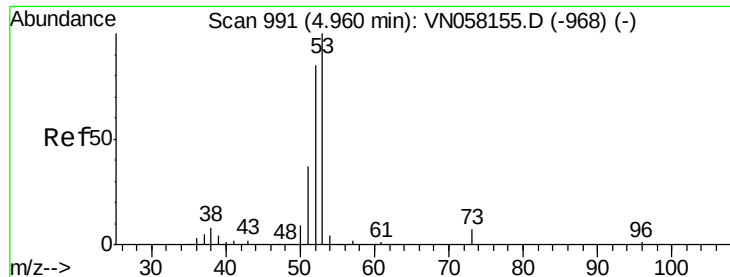
3.59

3.59

3.60



Time-->



#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleID :

30357DL

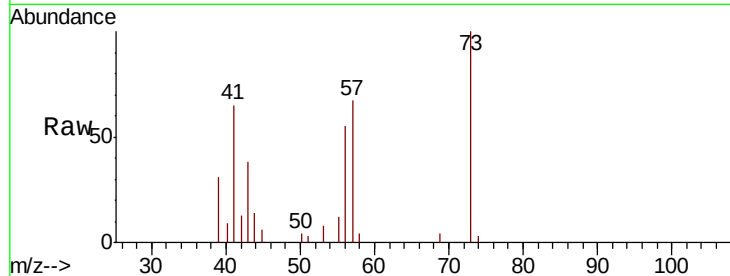
Tot Ion: 53 Resp: 522

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

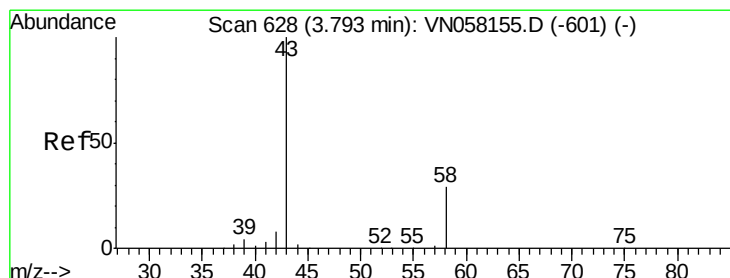
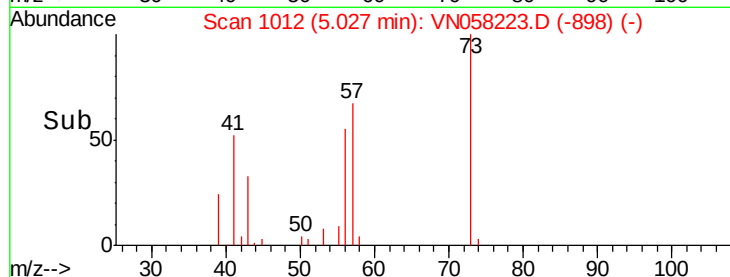
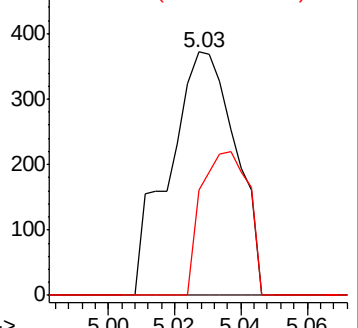
51 42.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 8.394 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058223.D

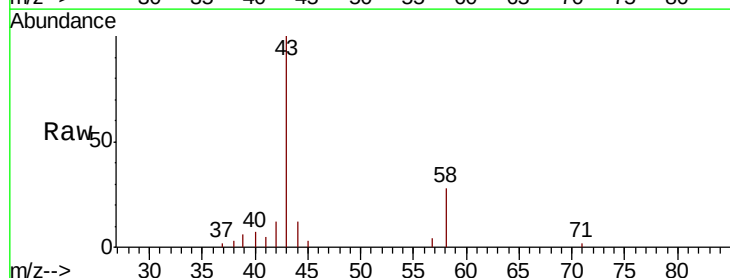
Acq: 19 Sep 2019 22:34

Tgt Ion: 43 Resp: 22319

Ion Ratio Lower Upper

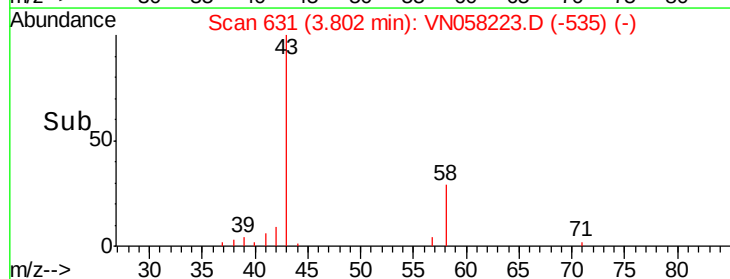
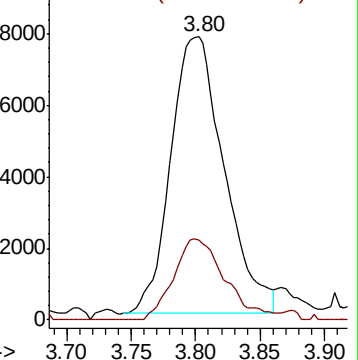
43 100

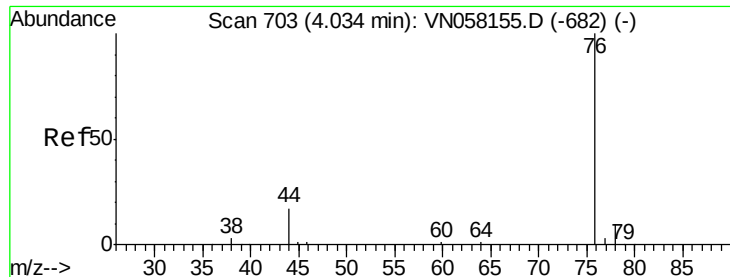
58 28.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.054 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

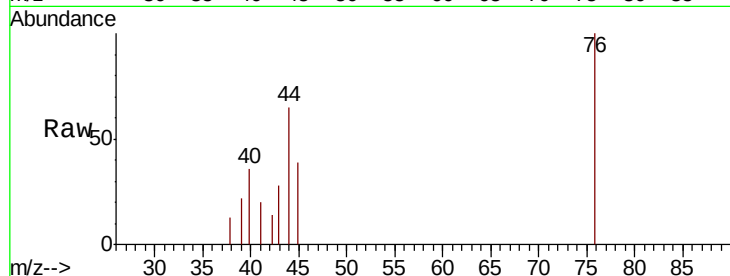
30357DL

Tot Ion: 76 Resp: 3824

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

1500

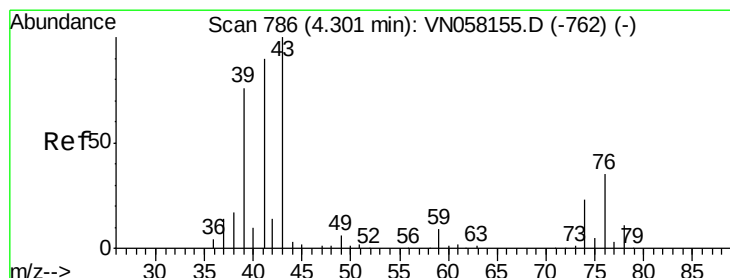
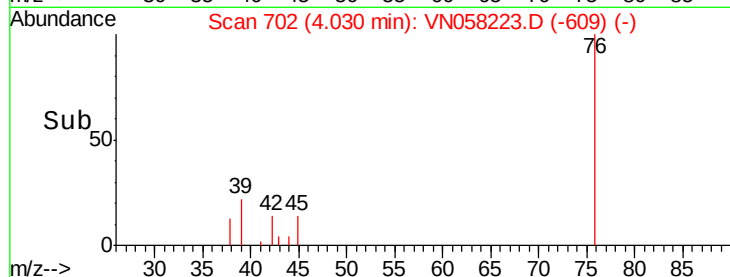
4.03

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.246 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058223.D

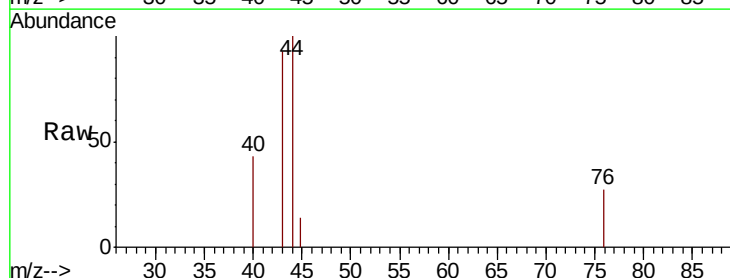
Acq: 19 Sep 2019 22:34

Tgt Ion: 43 Resp: 1720

Ion Ratio Lower Upper

43 100

74 3.7 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

1200

1000

800

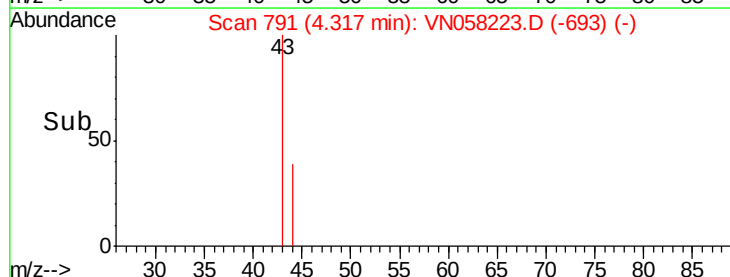
600

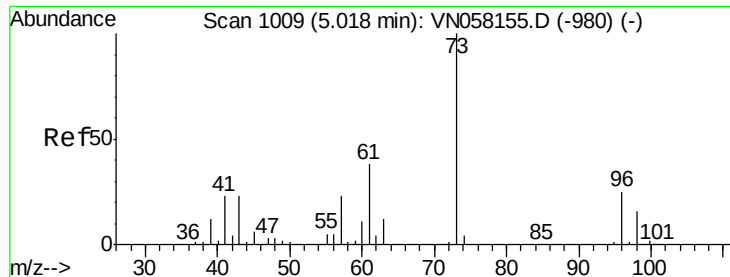
400

200

0

Time-->

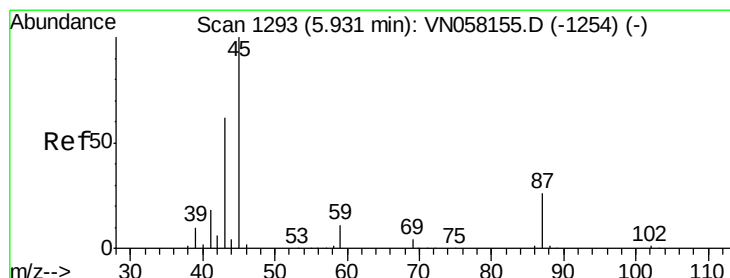
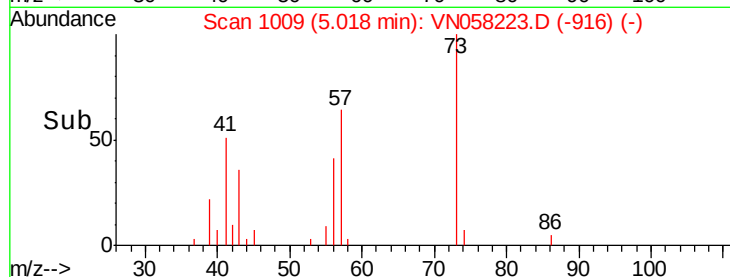
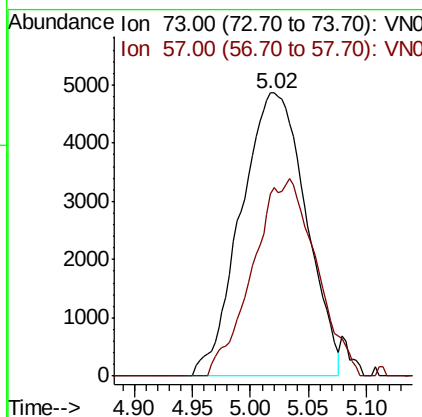
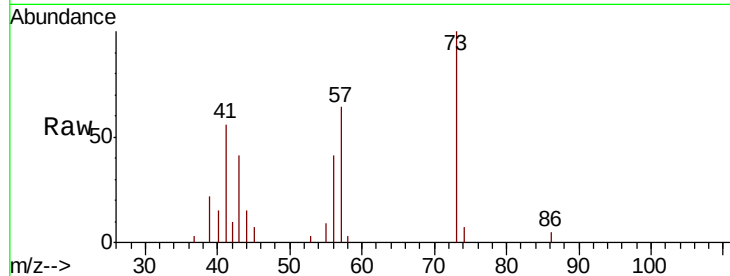




#19
Methvl tert-butvl Ether
Concen: 1.105 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

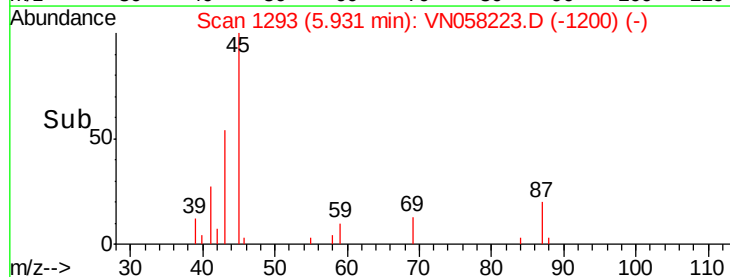
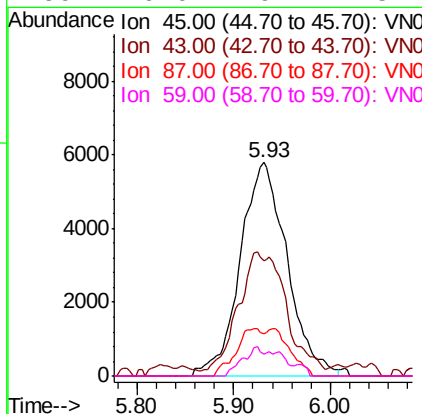
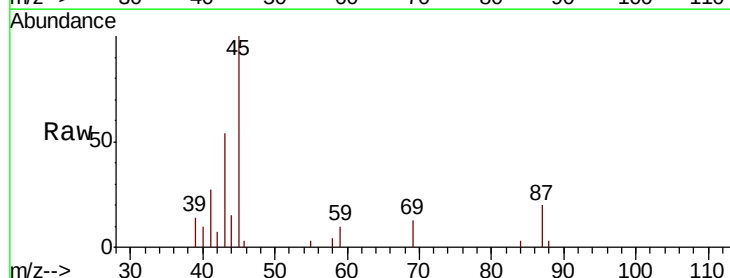
Instrument :
MSVOA_N
ClientSampled :
30357DL

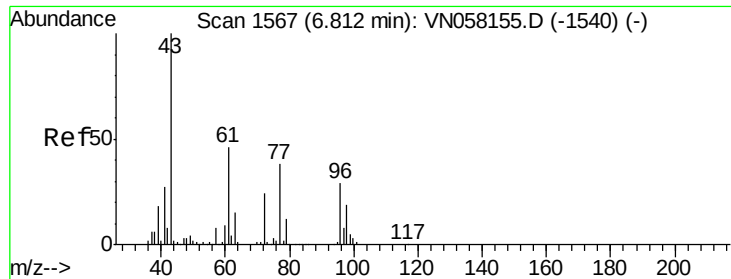
Tot Ion: 73 Resp: 18950
Ion Ratio Lower Upper
73 100
57 64.2 18.1 27.1#



#22
Diisopropyl ether
Concen: 1.034 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion: 45 Resp: 19541
Ion Ratio Lower Upper
45 100
43 50.4 49.7 74.5
87 19.8 20.7 31.1#
59 10.0 9.1 13.7





#25

2-Butanone

Concen: 1.194 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

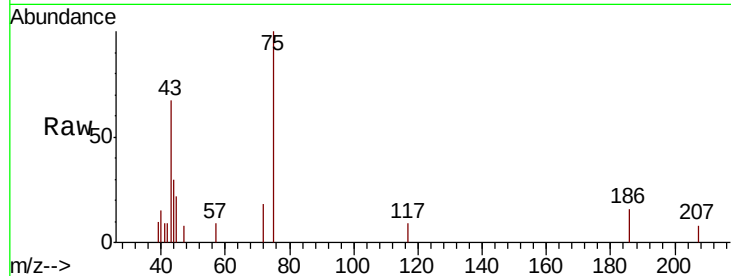
30357DL

Tot Ion: 43 Resp: 4324

Ion Ratio Lower Upper

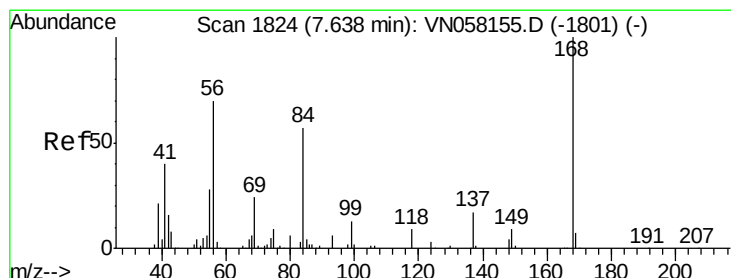
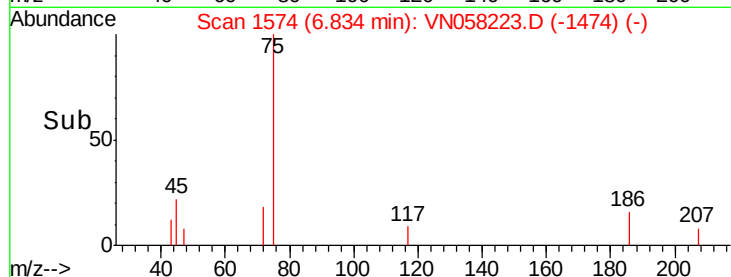
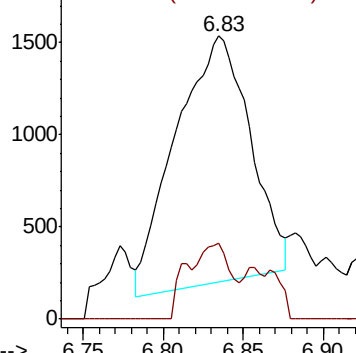
43 100

72 32.4 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 2.909 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

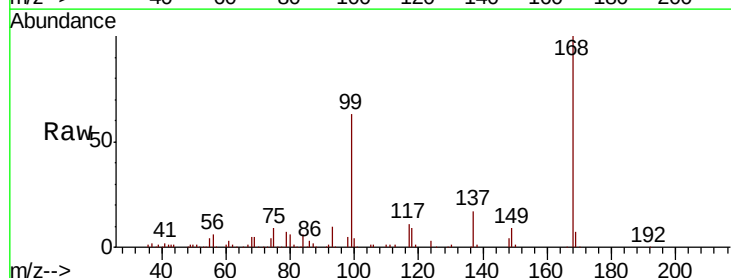
Tgt Ion: 56 Resp: 33793

Ion Ratio Lower Upper

56 100

69 83.3 27.3 40.9#

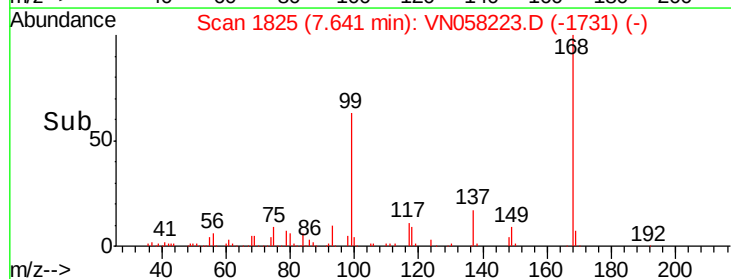
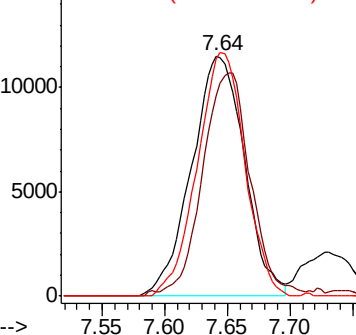
84 98.7 65.0 97.4#

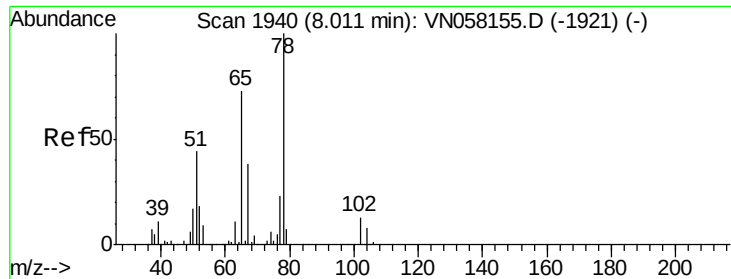


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

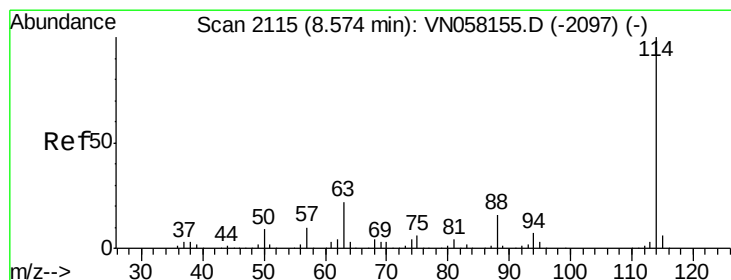
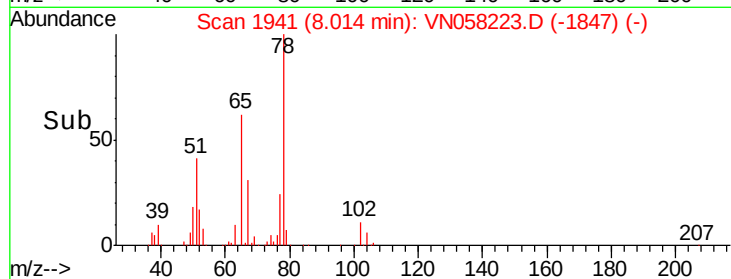
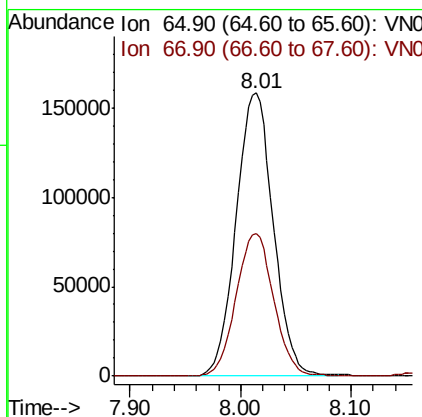
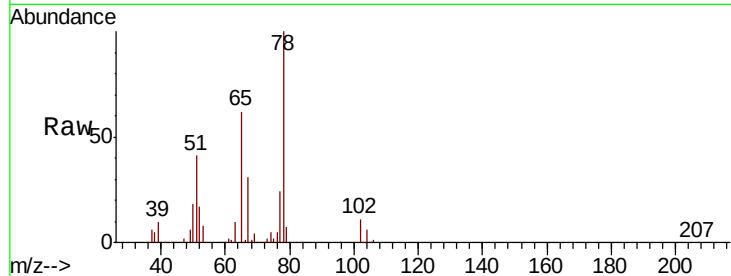




#33
 1,2-Dichloroethane-d4
 Concen: 47.122 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

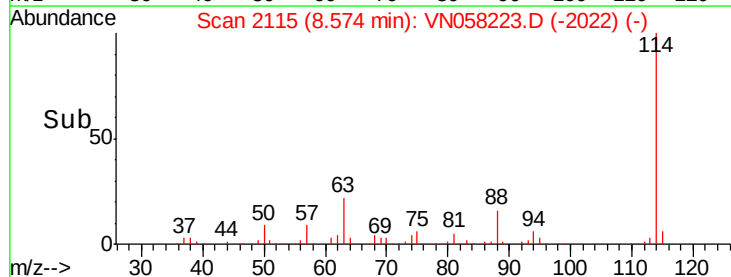
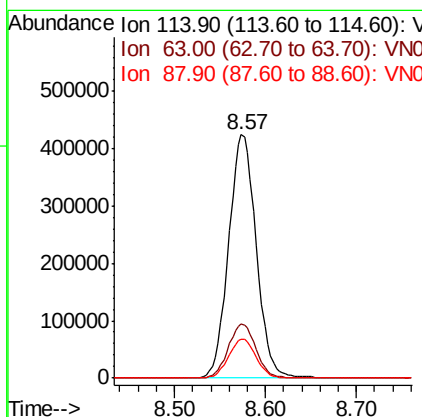
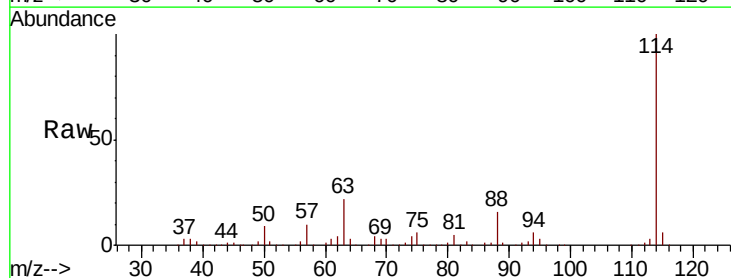
Instrument :
 MSVOA_N
 ClientSampleId :
 30357DL

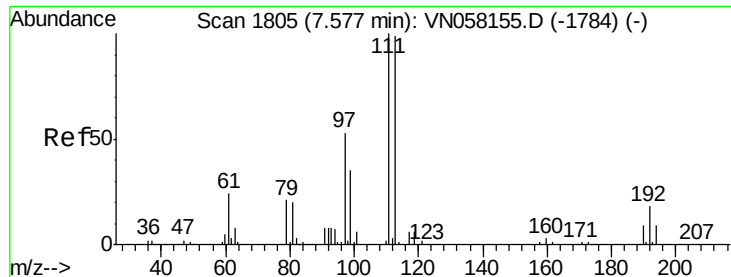
Tot Ion: 65 Resp: 369123
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

Tgt Ion: 114 Resp: 895263
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 15.8 0.0 31.6

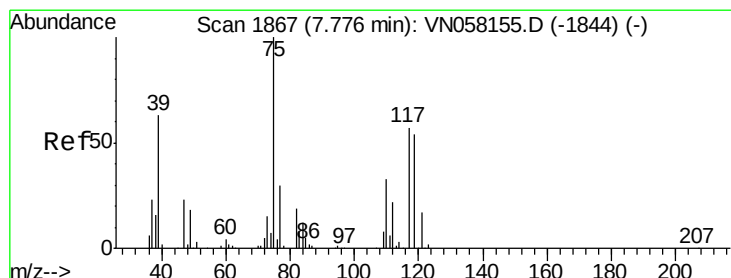
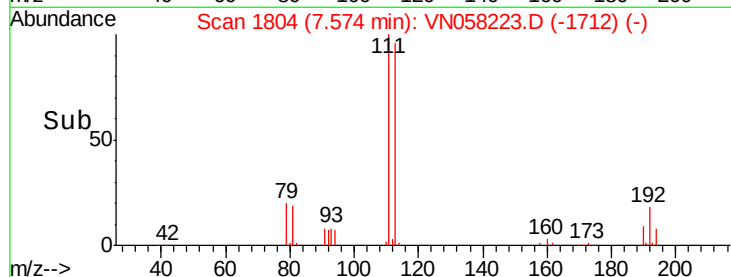
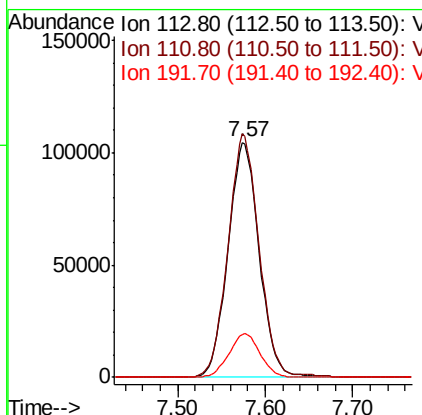
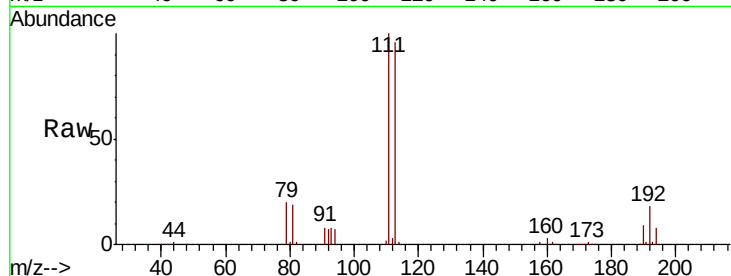




#35
 Dibromofluoromethane
 Concen: 47.560 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

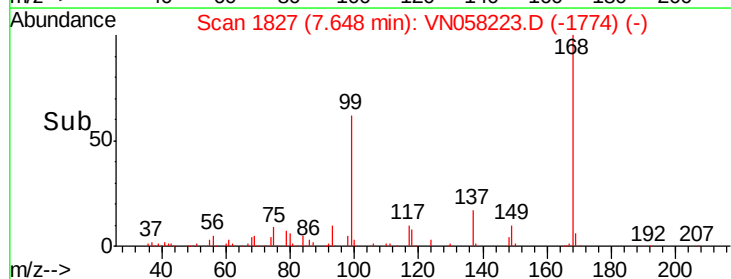
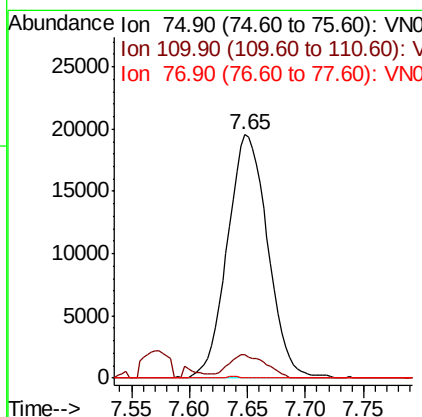
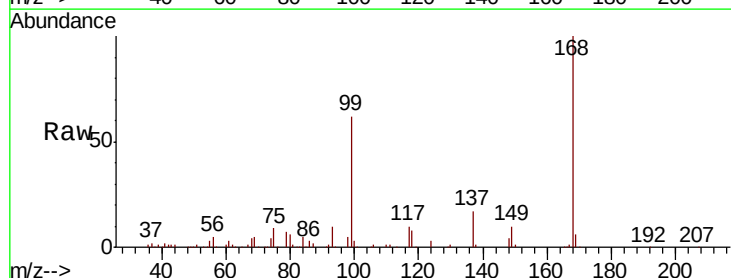
Instrument :
 MSVOA_N
 ClientSampleId :
 30357DL

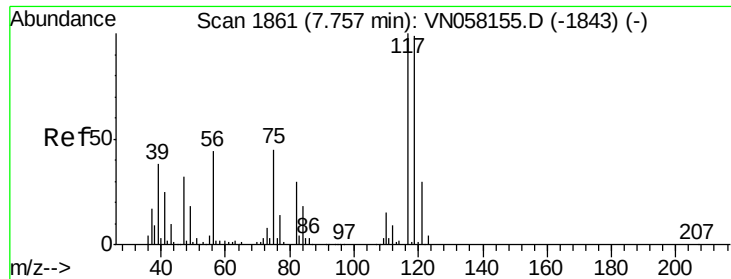
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	18.7	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.336 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.6	49.7#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 8.920 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

30357DL

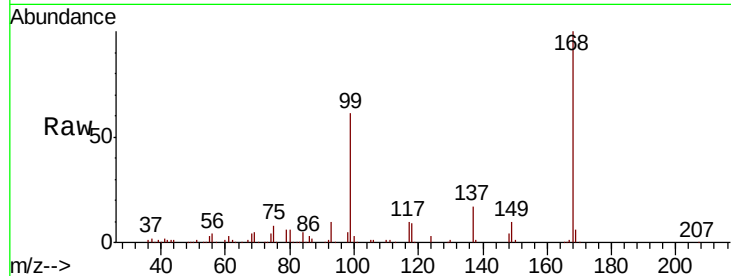
Tot Ion:117 Resp: 57891

Ion Ratio Lower Upper

117 100

119 4.3 78.6 117.8#

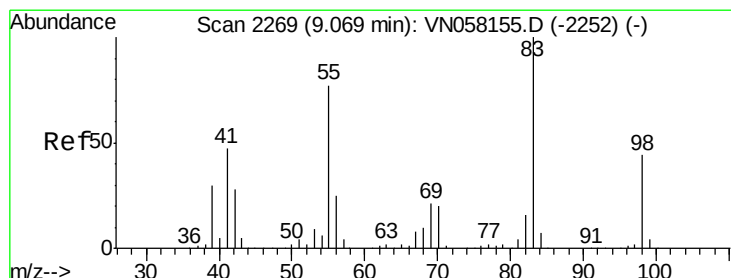
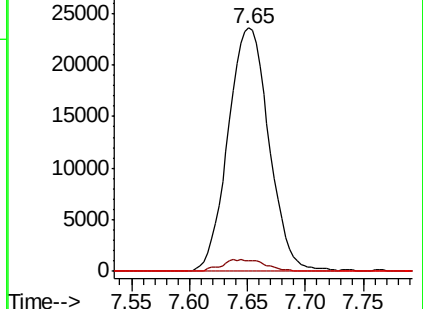
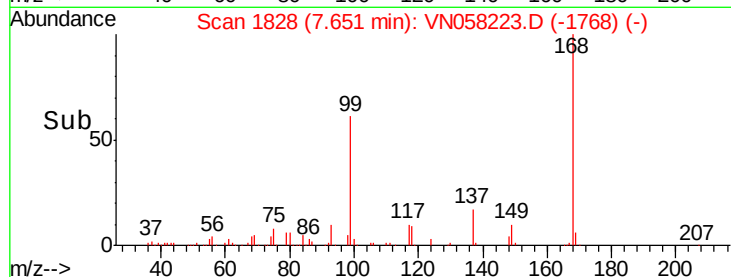
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.486 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

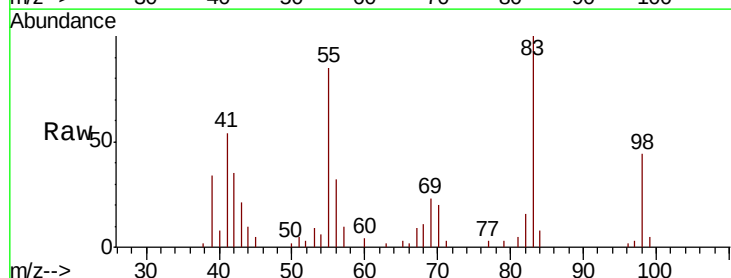
Tgt Ion: 83 Resp: 21347

Ion Ratio Lower Upper

83 100

55 81.4 61.9 92.9

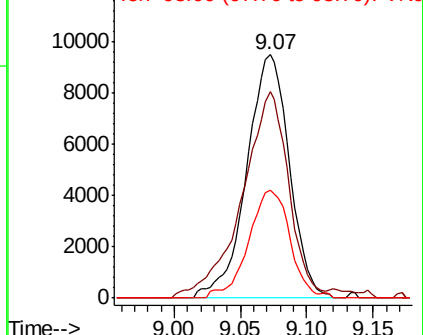
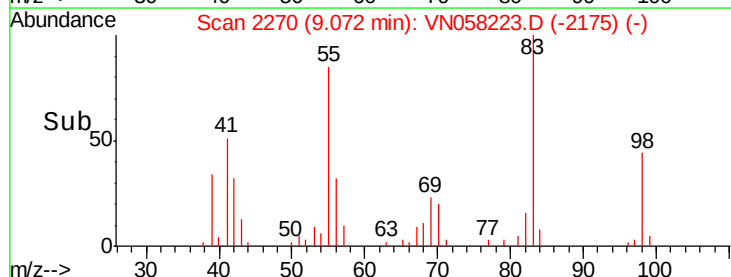
98 44.2 35.4 53.2

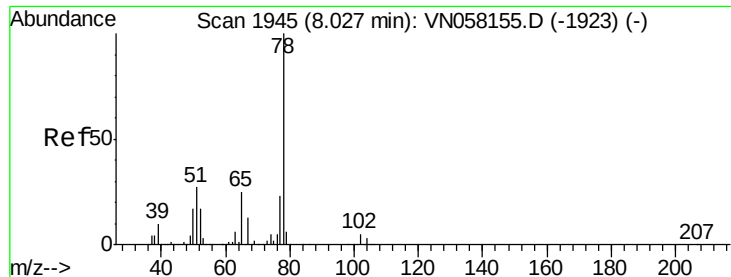


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 45.013 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

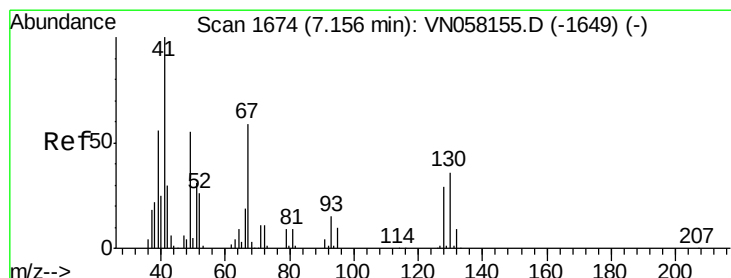
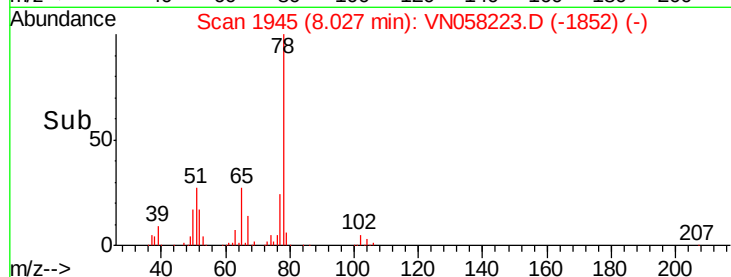
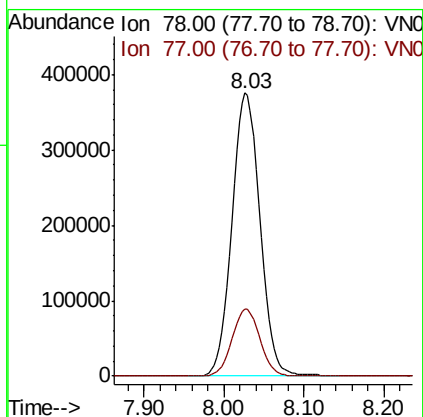
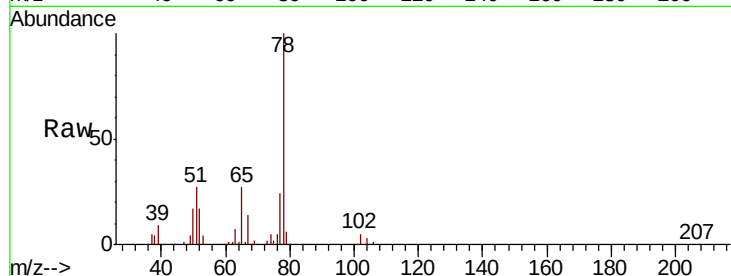
30357DL

Tot Ion: 78 Resp: 887624

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



#41

Methacrylonitrile

Concen: 0.967 ug/l

RT: 7.10 min Scan# 1656

Delta R.T. -0.06 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Tgt Ion: 41 Resp: 192

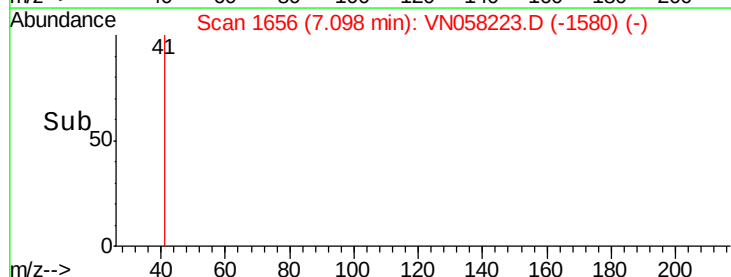
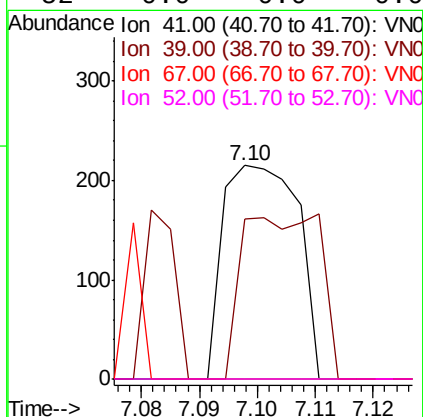
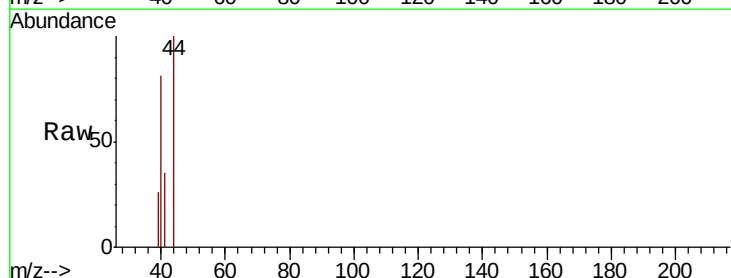
Ion Ratio Lower Upper

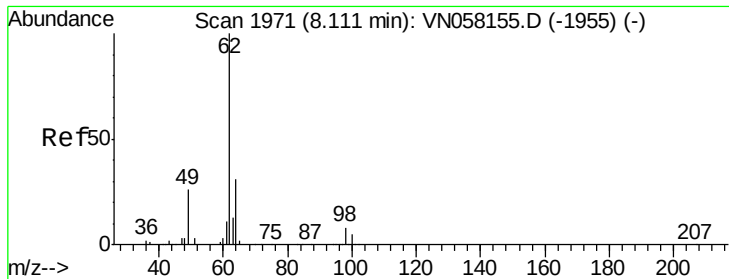
41 100

39 80.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

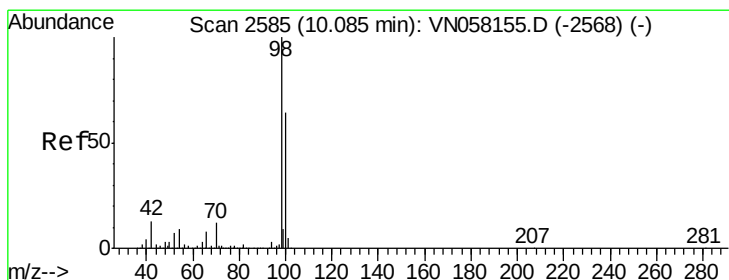
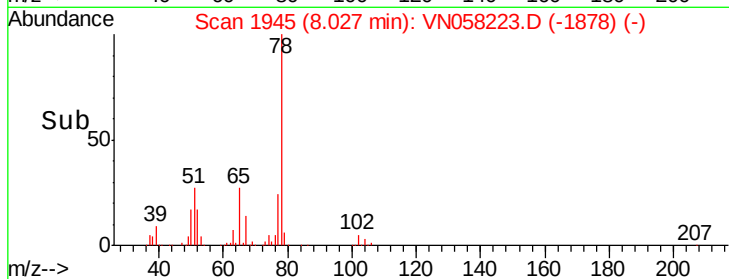
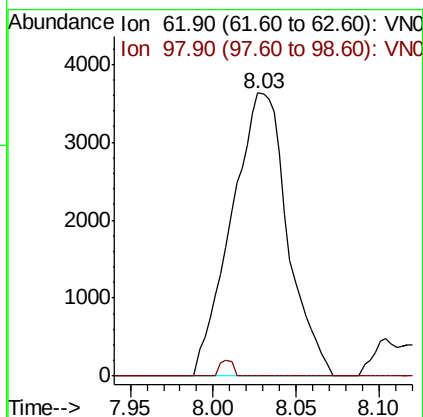
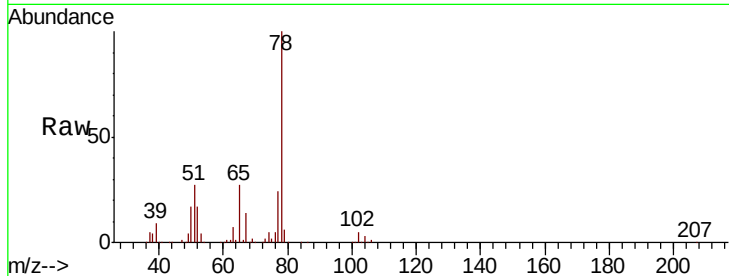




#42
 1,2-Dichloroethane
 Concen: 1.031 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.08 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

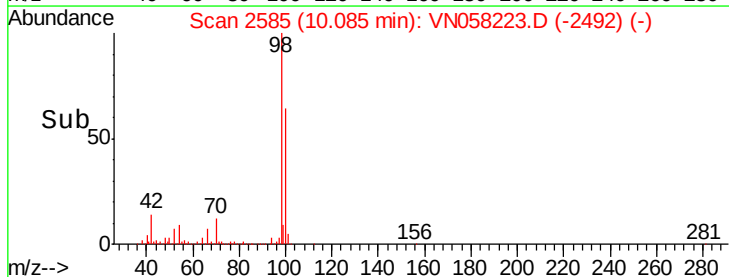
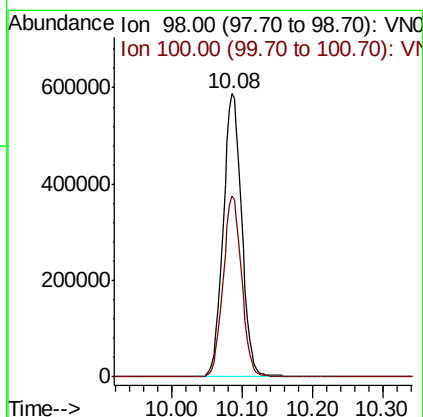
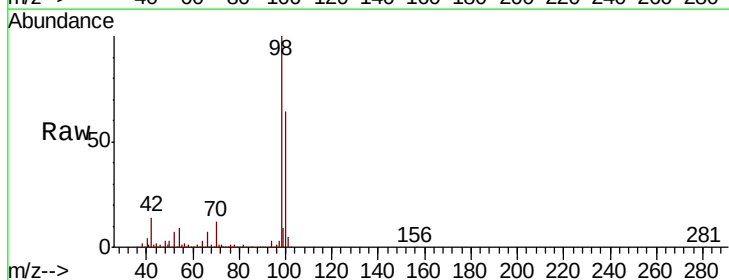
Instrument :
 MSVOA_N
 ClientSampleId :
 30357DL

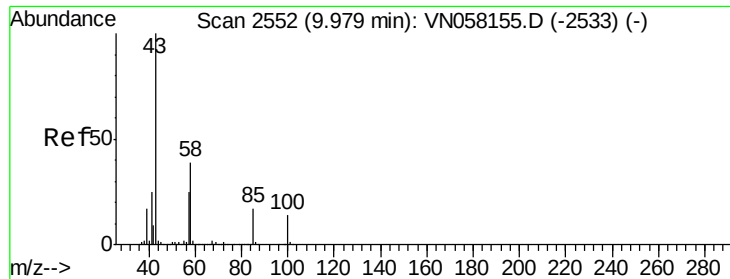
Tot Ion: 62 Resp: 8530
 Ion Ratio Lower Upper
 62 100
 98 1.3 0.0 15.6



#50
 Toluene-d8
 Concen: 50.807 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

Tgt Ion: 98 Resp: 1077356
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.056 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

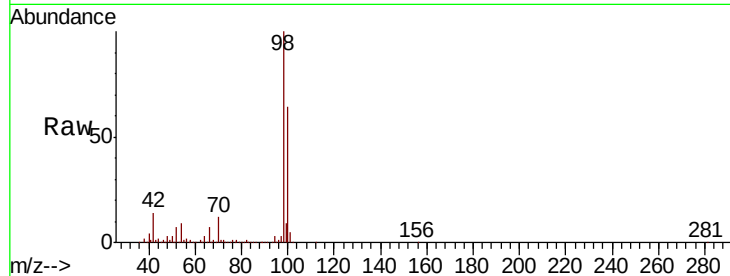
30357DL

Tot Ion: 43 Resp: 7019

Ion Ratio Lower Upper

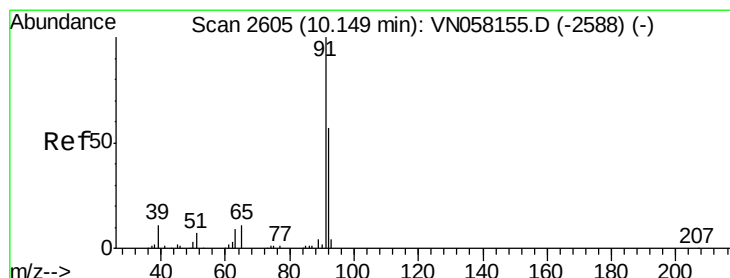
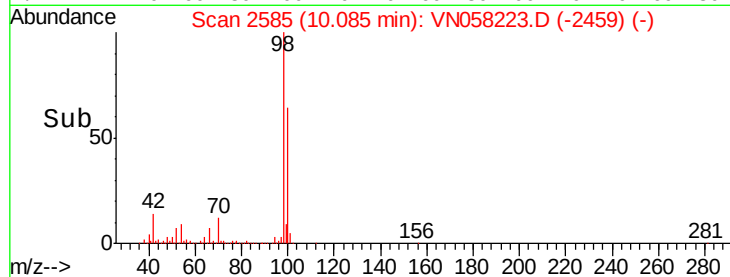
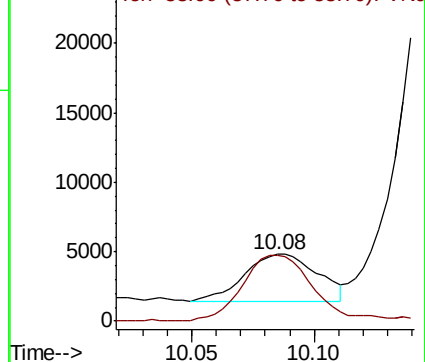
43 100

58 135.3 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: 273.109 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058223.D

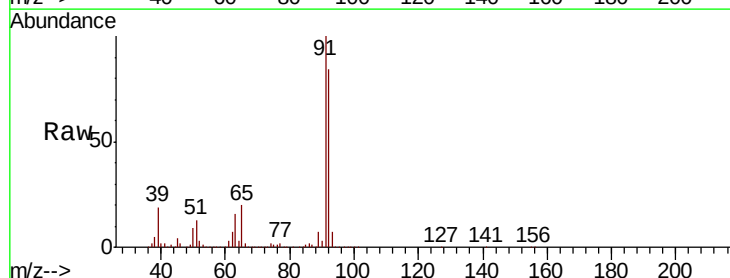
Acq: 19 Sep 2019 22:34

Tgt Ion: 92 Resp: 3375182

Ion Ratio Lower Upper

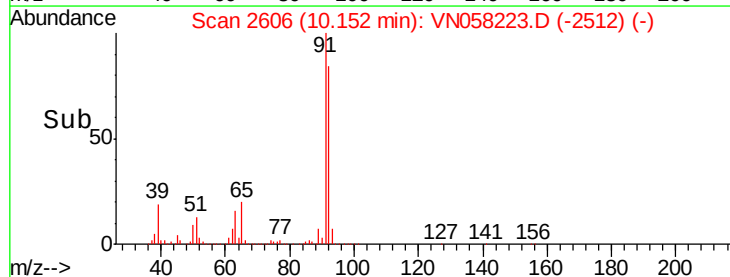
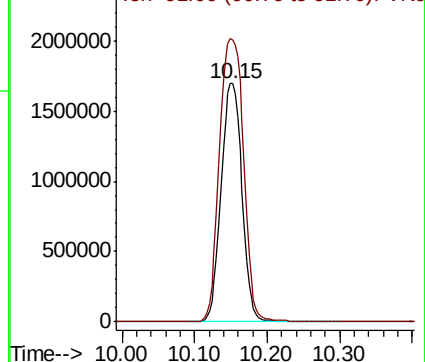
92 100

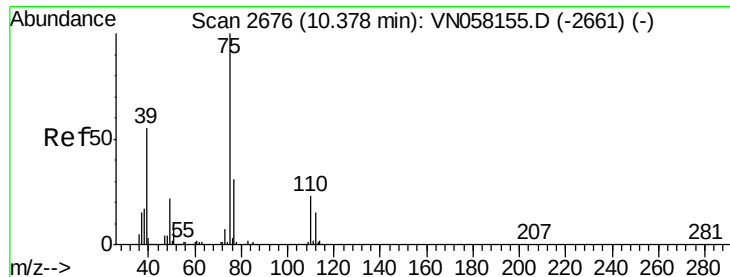
91 138.1 140.2 210.2#



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: 5.972 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.23 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

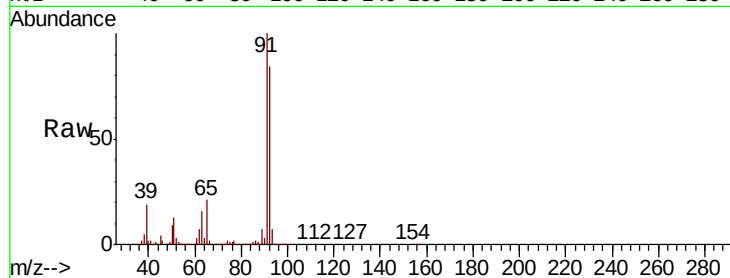
30357DL

Tot Ion: 75 Resp: 45889

Ion Ratio Lower Upper

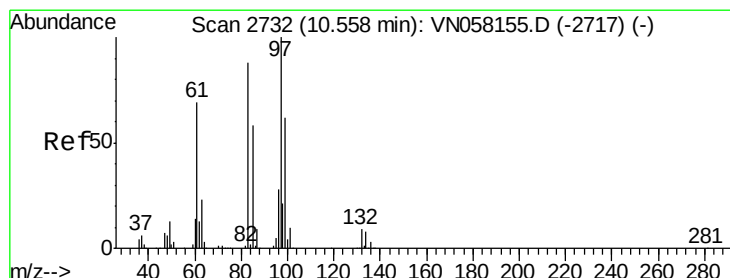
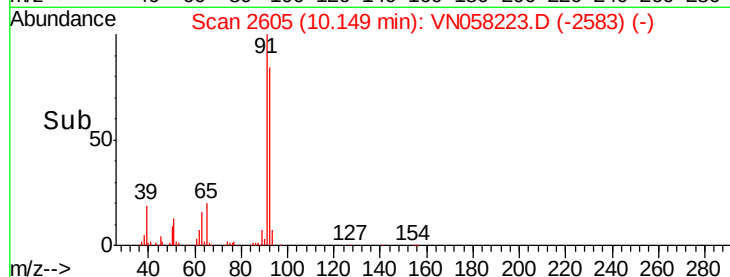
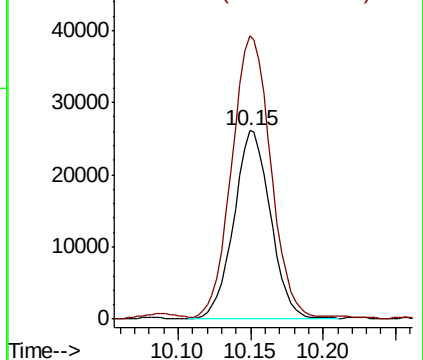
75 100

77 149.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#55

1,1,2-Trichloroethane

Concen: 0.504 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Tgt Ion: 97 Resp: 2766

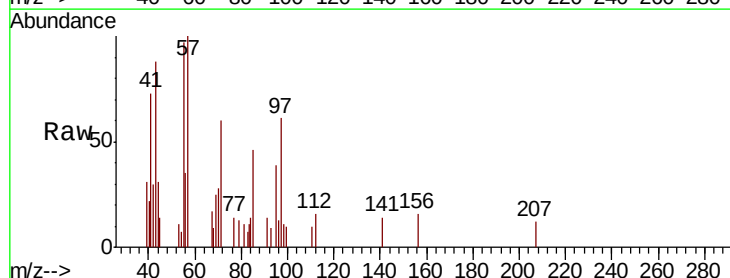
Ion Ratio Lower Upper

97 100

83 8.1 70.4 105.6#

85 32.1 46.8 70.2#

99 3.3 49.9 74.9#

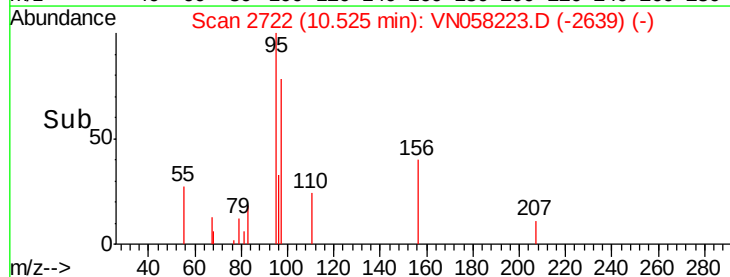
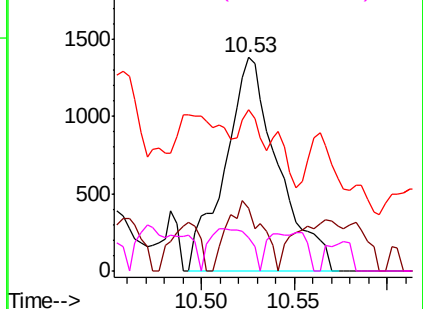


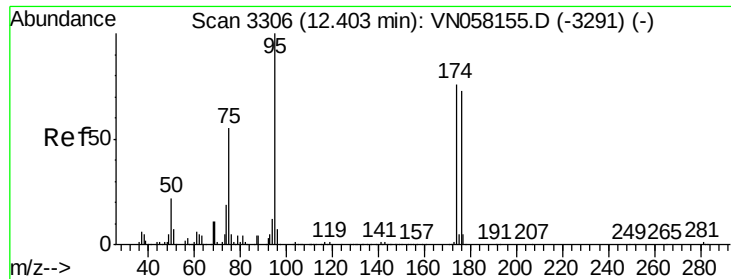
Abundance Ion 96.90 (96.60 to 97.60): VNO

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





#62

4-Bromofluorobenzene

Concen: 46.367 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

30357DL

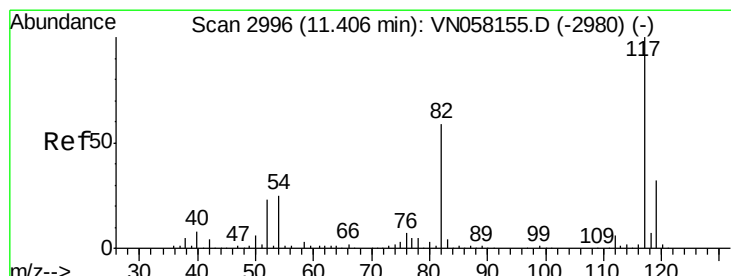
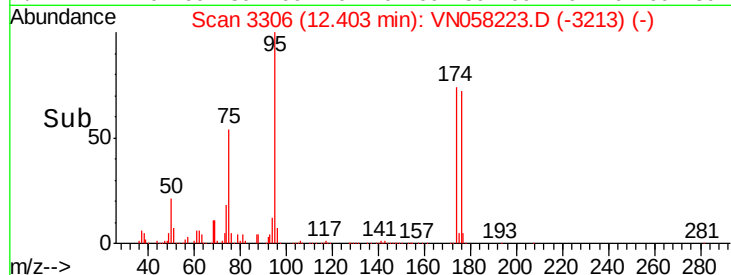
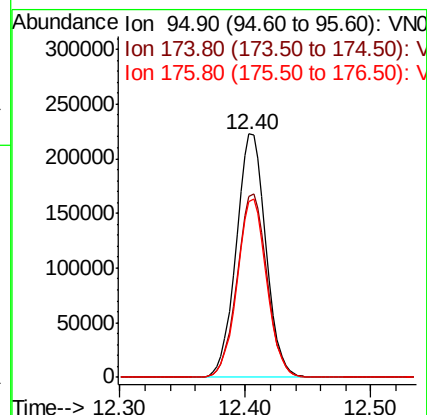
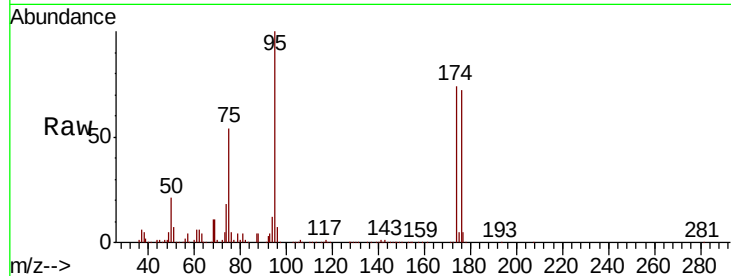
Tot Ion: 95 Resp: 365229

Ion Ratio Lower Upper

95 100

174 75.8 0.0 152.2

176 72.9 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

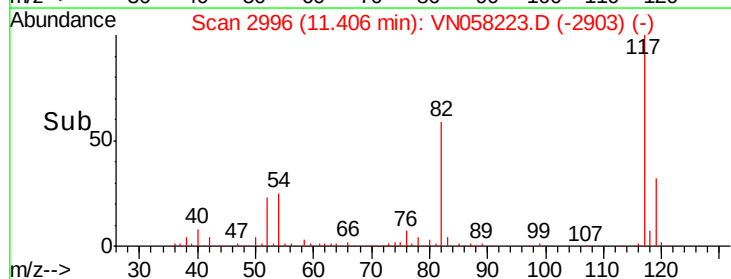
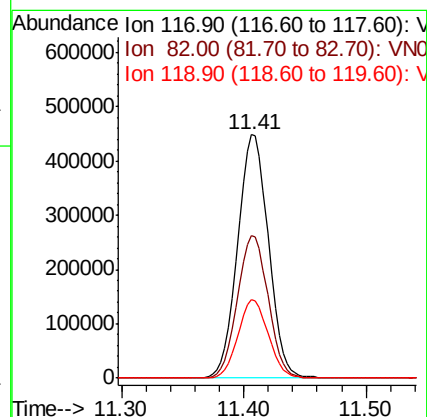
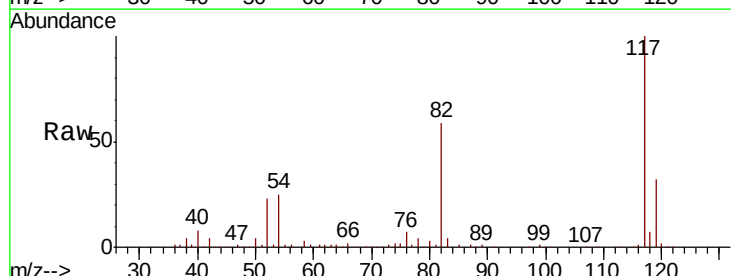
Tgt Ion: 117 Resp: 785249

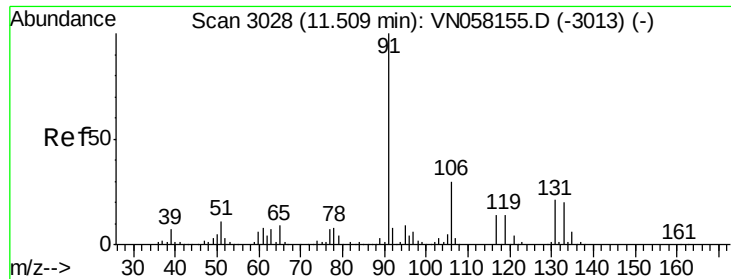
Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

119 32.4 25.3 37.9

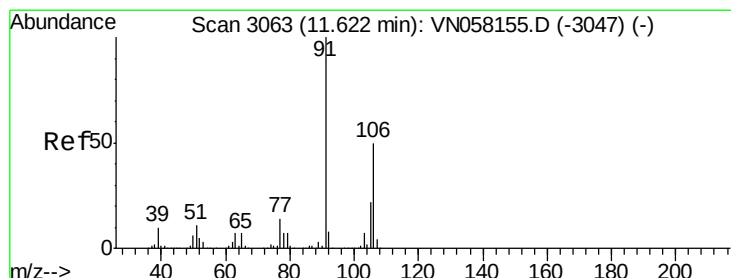
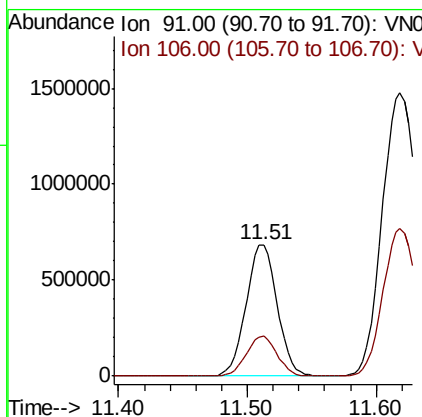
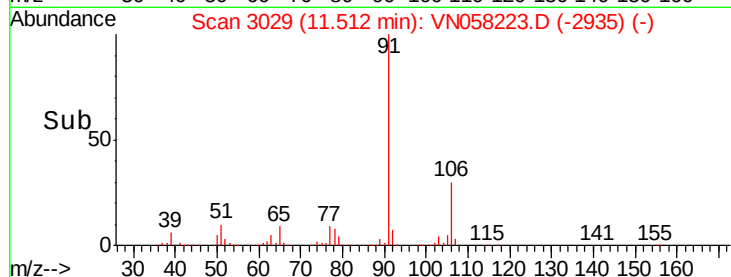
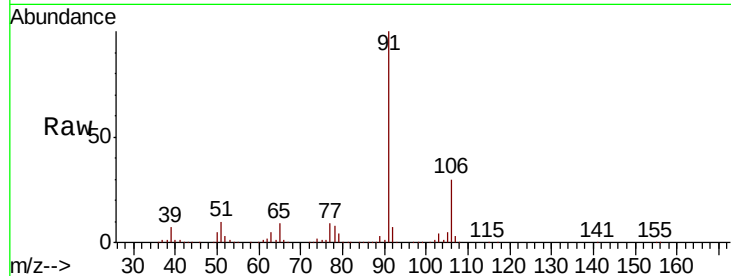




#67
Ethyl Benzene
Concen: 48.655 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

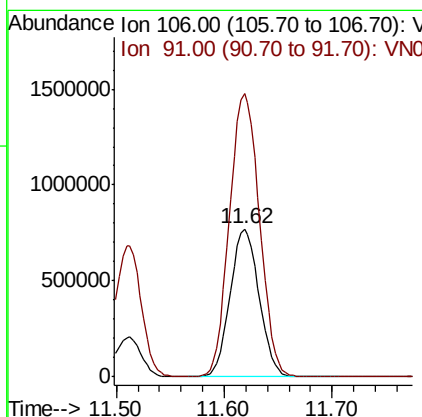
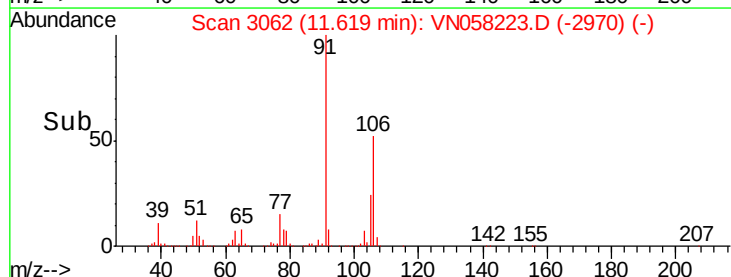
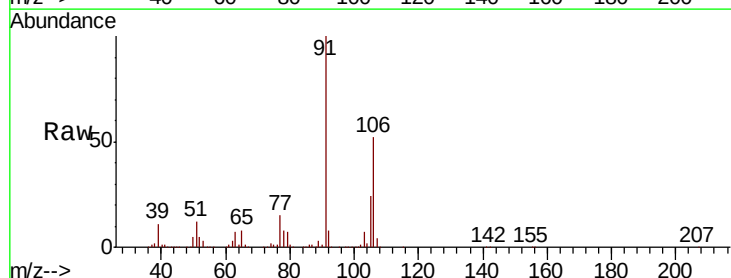
Instrument :
MSVOA_N
ClientSampleID :
30357DL

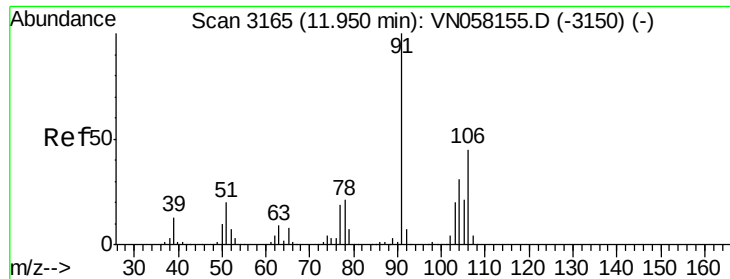
Tot Ion: 91 Resp: 1151496
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 161.361 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion:106 Resp: 1438310
Ion Ratio Lower Upper
106 100
91 199.3 163.6 245.4

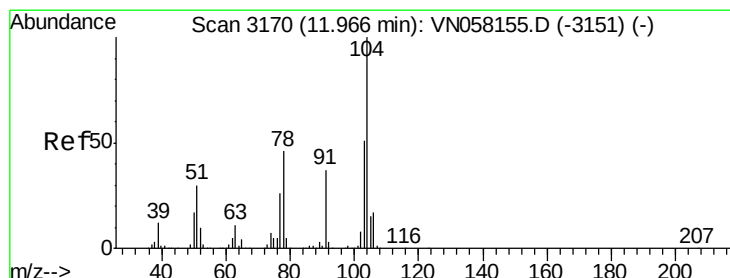
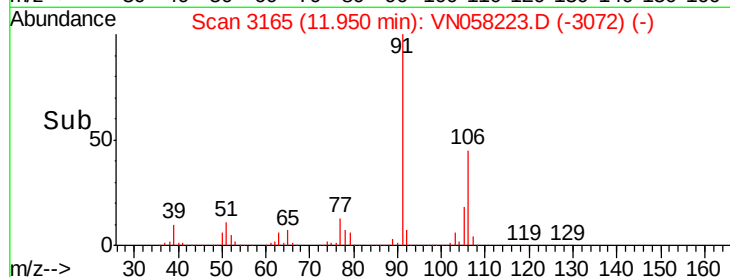
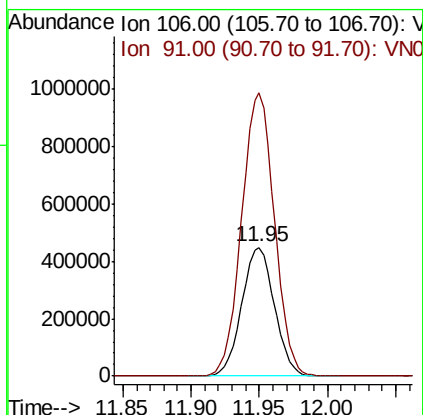
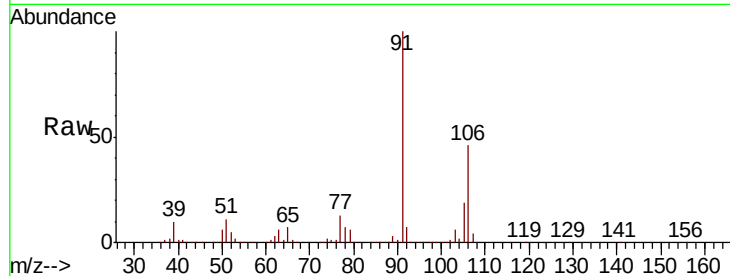




#69
o-Xylene
Concen: 85.000 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

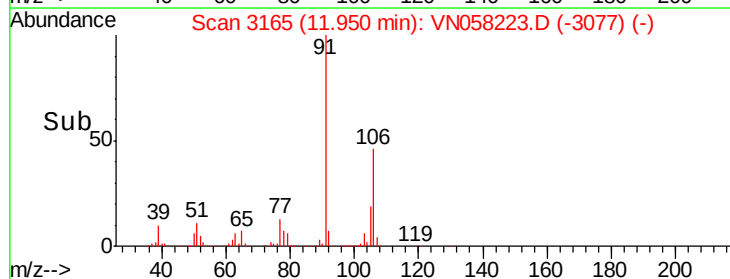
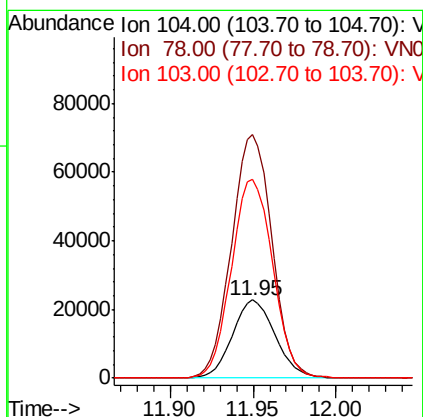
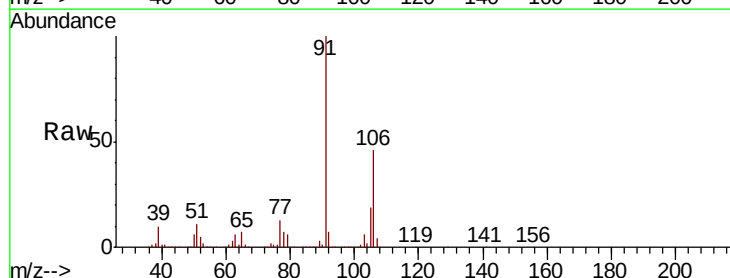
Instrument :
MSVOA_N
ClientSampled :
30357DL

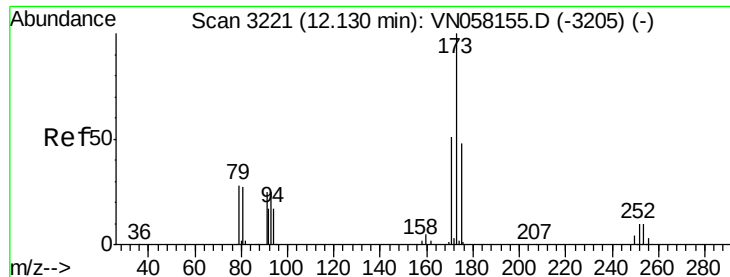
Tot Ion:106 Resp: 744989
Ion Ratio Lower Upper
106 100
91 220.8 111.8 335.3



#70
Styrene
Concen: 2.712 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion:104 Resp: 40959
Ion Ratio Lower Upper
104 100
78 295.4 41.8 62.8#
103 246.3 44.2 66.2#





#71

Bromoform

Concen: 3.847 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

30357DL

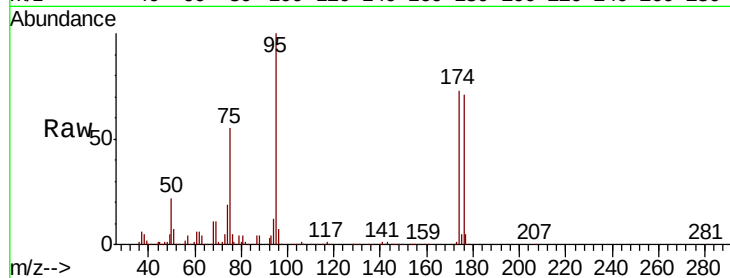
Tot Ion:173 Resp: 1007

Ion Ratio Lower Upper

173 100

175 1747.3 24.2 72.6#

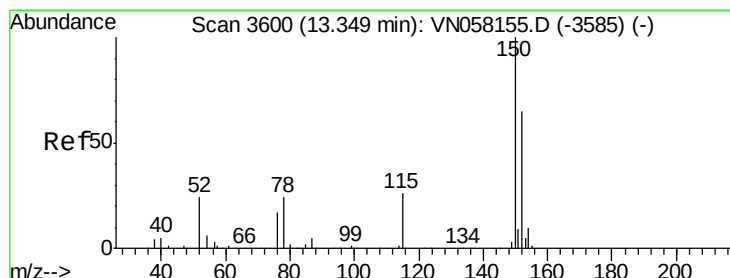
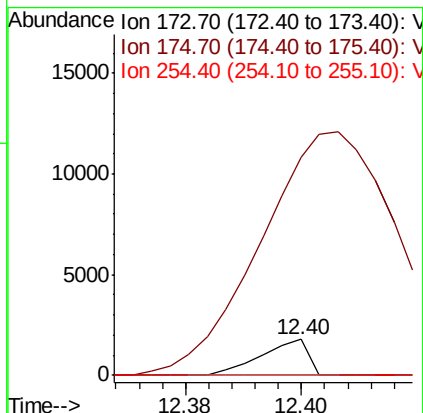
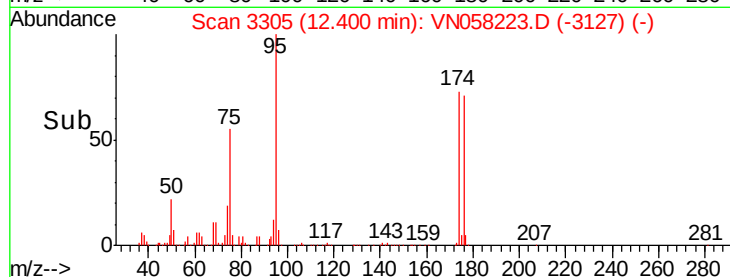
254 0.0 0.1 0.1#



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# 3600

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

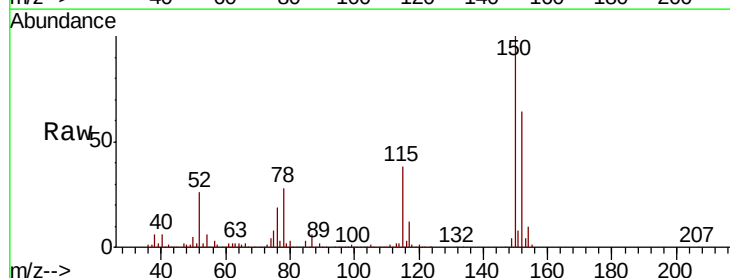
Tgt Ion:152 Resp: 356153

Ion Ratio Lower Upper

152 100

115 64.1 30.1 90.3

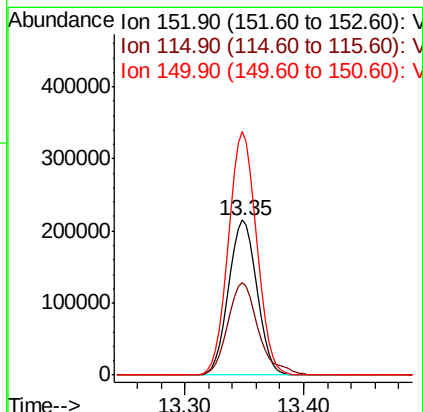
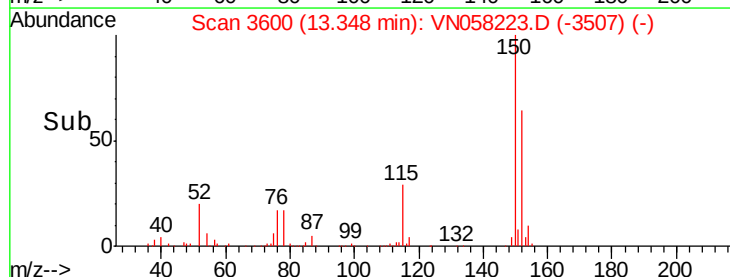
150 155.9 0.0 346.4

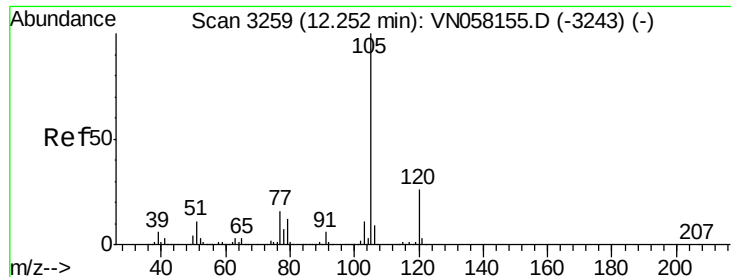


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.521 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

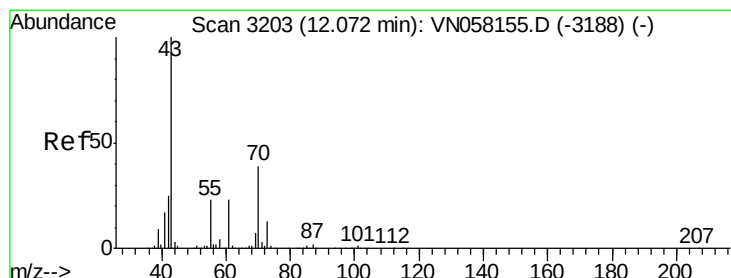
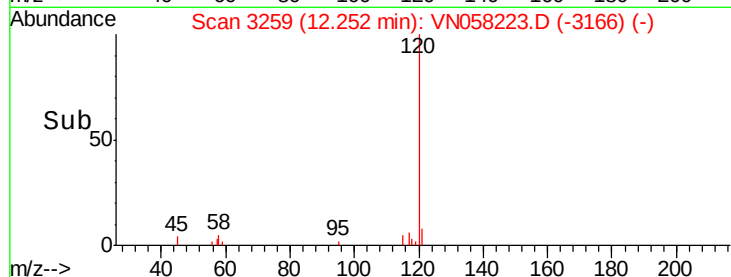
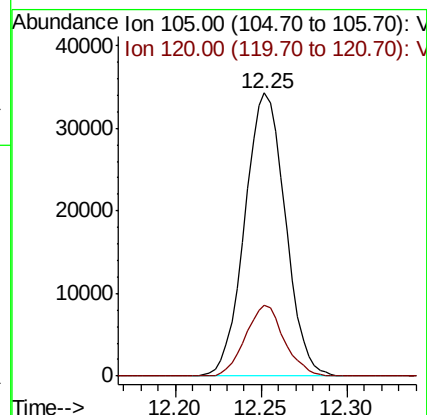
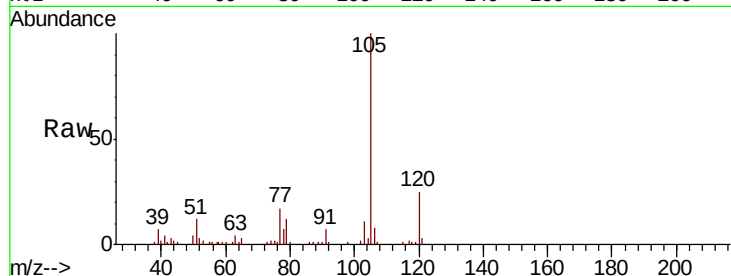
30357DL

Tot Ion:105 Resp: 56201

Ion Ratio Lower Upper

105 100

120 24.0 12.8 38.3



#74

N-ethyl acetate

Concen: 4.527 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Tgt Ion: 43 Resp: 42217

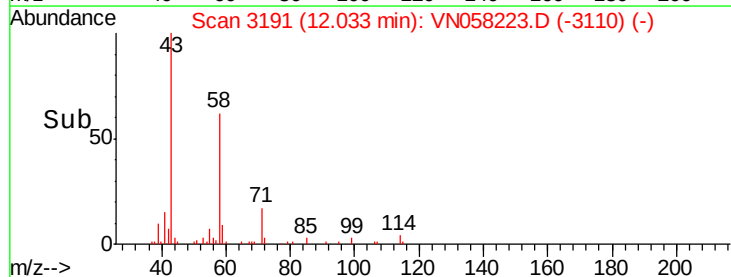
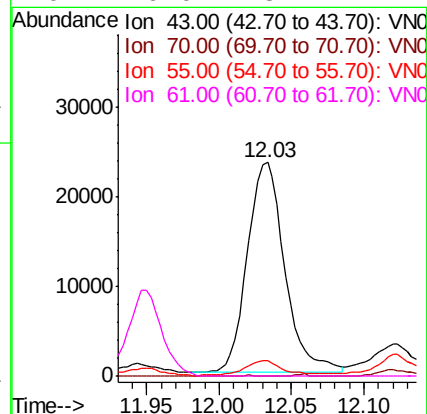
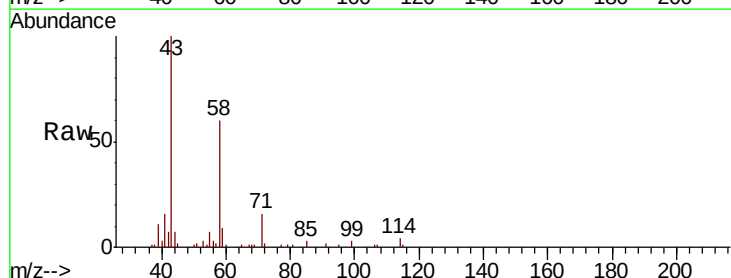
Ion Ratio Lower Upper

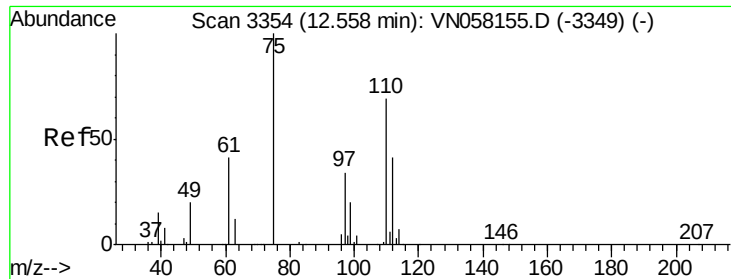
43 100

70 0.0 31.0 46.6#

55 8.2 18.5 27.7#

61 0.0 18.2 27.2#





#76

1,2,3-Trichloropropane

Concen: 1.070 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. 0.10 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

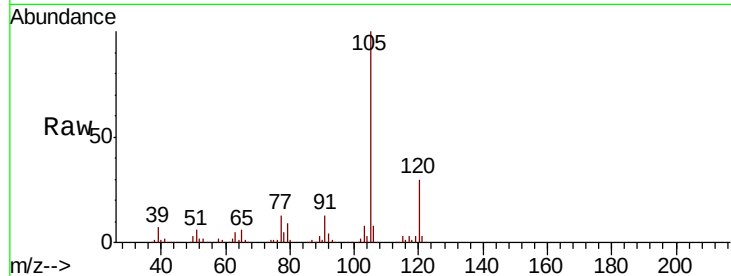
30357DL

Tot Ion: 75 Resp: 6821

Ion Ratio Lower Upper

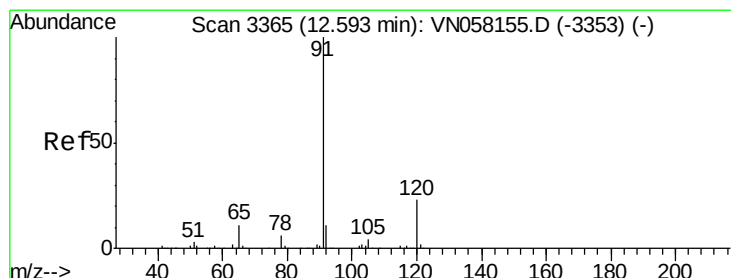
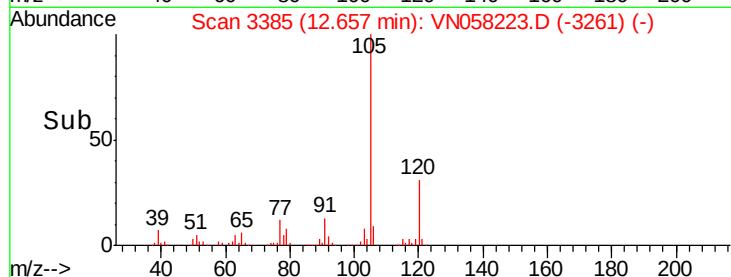
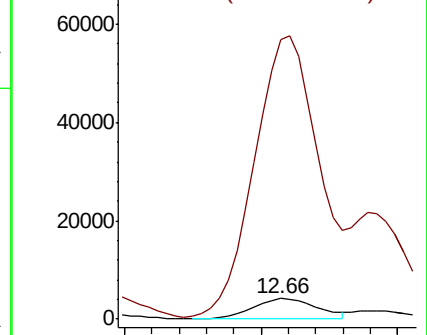
75 100

77 1365.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 7.923 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058223.D

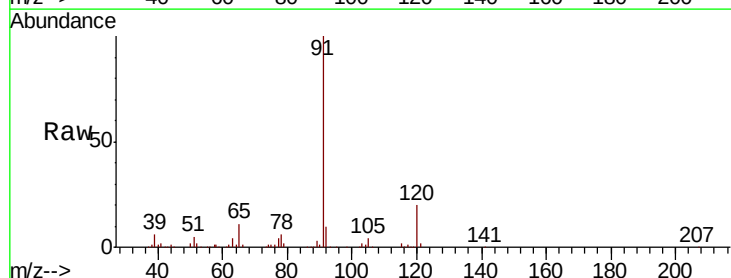
Acq: 19 Sep 2019 22:34

Tgt Ion: 91 Resp: 200718

Ion Ratio Lower Upper

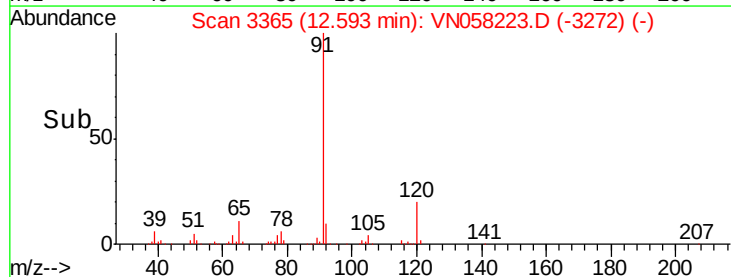
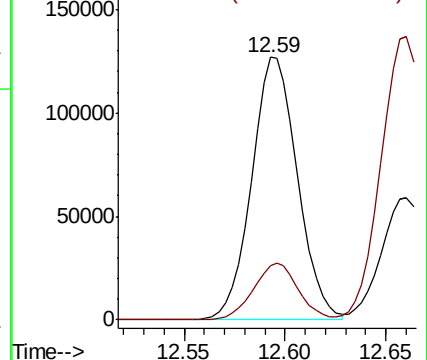
91 100

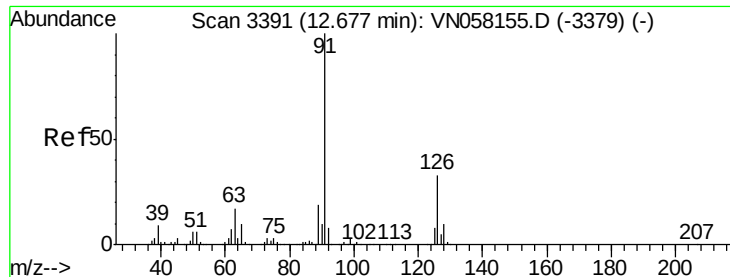
120 21.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.853 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

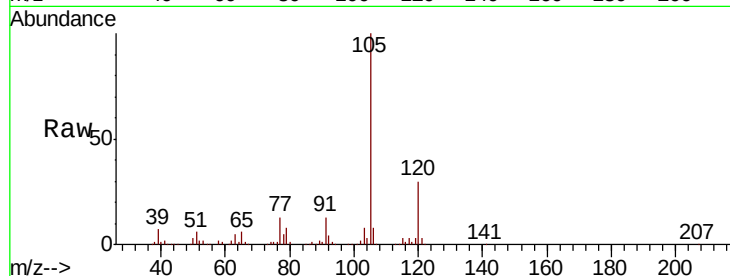
30357DL

Tot Ion: 91 Resp: 92662

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

100000

50000

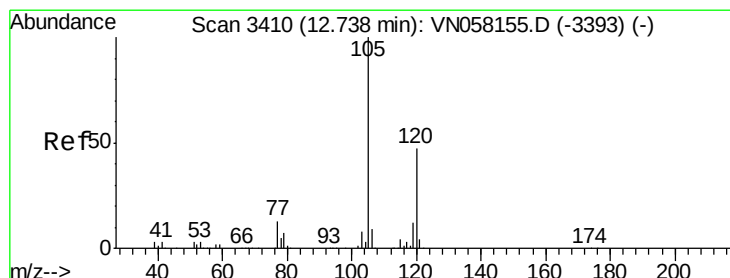
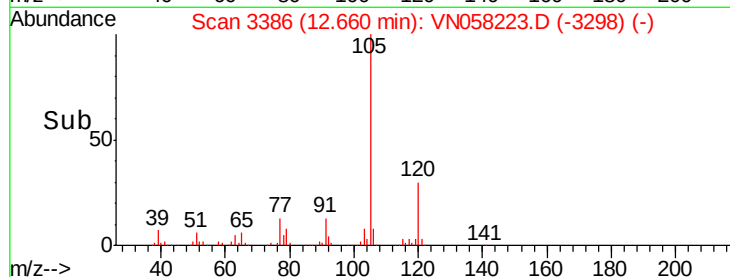
0

12.66

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.241 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058223.D

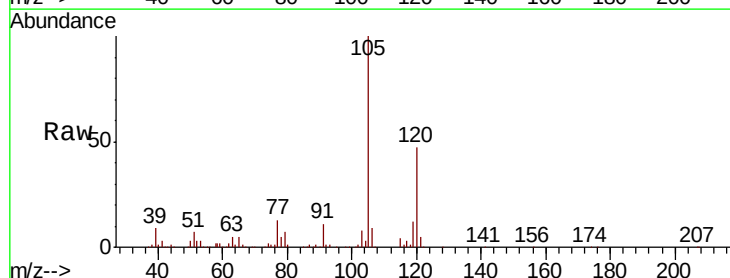
Acq: 19 Sep 2019 22:34

Tgt Ion: 105 Resp: 287314

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

500000

400000

300000

200000

100000

0

12.74

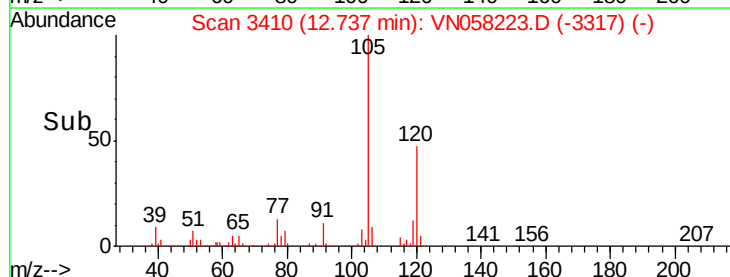
12.70

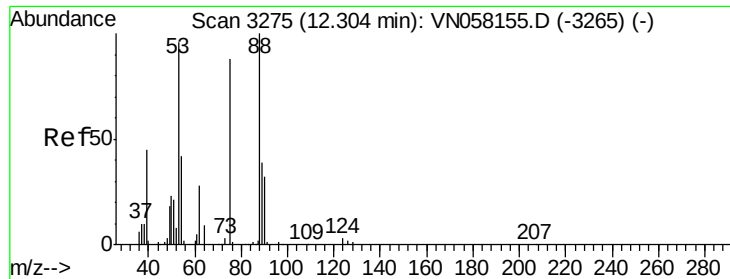
12.75

12.80

12.85

Time-->

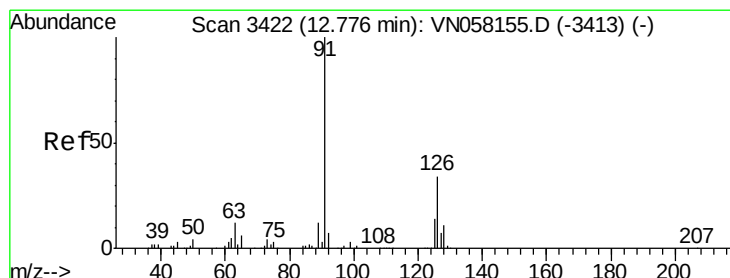
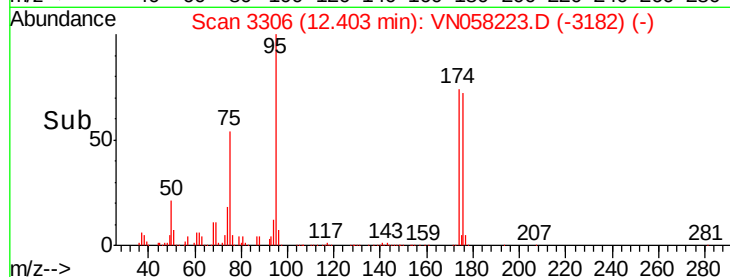
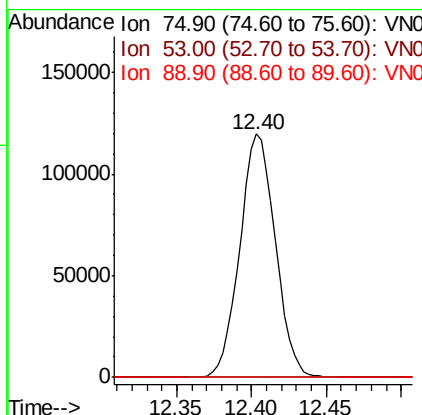
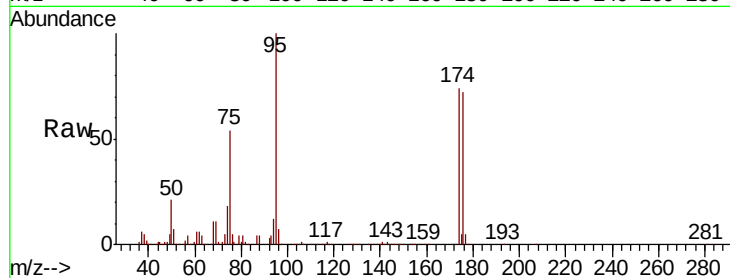




#81
trans-1,4-Dichloro-2-butene
Concen: 87.534 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

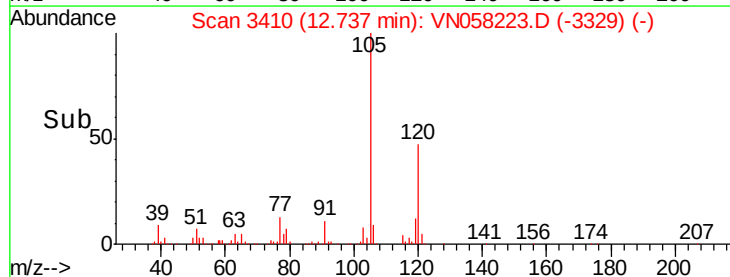
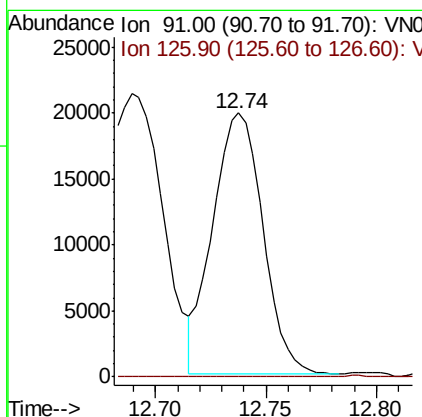
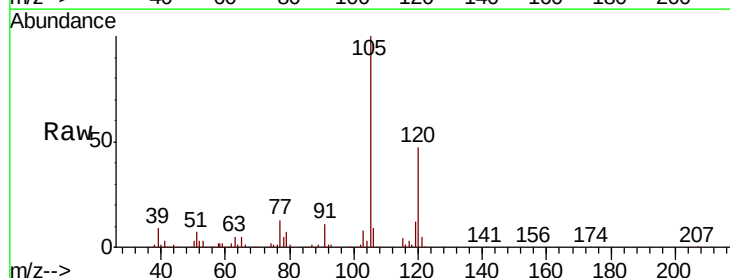
Instrument :
MSVOA_N
ClientSampleId :
30357DL

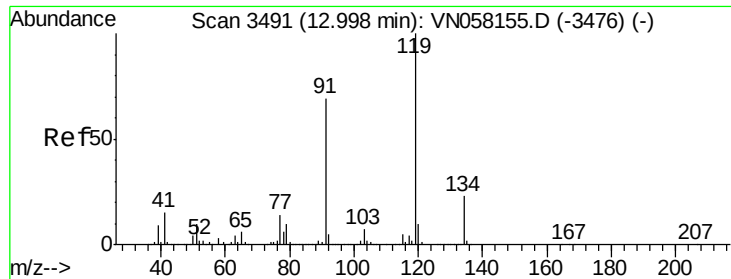
Tot Ion: 75 Resp: 197971
Ion Ratio Lower Upper
75 100
53 0.1 90.1 135.1#
89 0.0 36.2 54.2#



#82
4-Chlorotoluene
Concen: 1.877 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.04 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion: 91 Resp: 31233
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#





#83

tert-Butylbenzene

Concen: 9.124 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleID :

30357DL

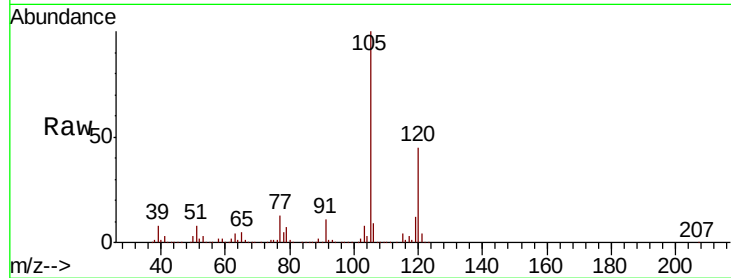
Tot Ion:119 Resp: 153390

Ion Ratio Lower Upper

119 100

91 94.4 33.8 101.3

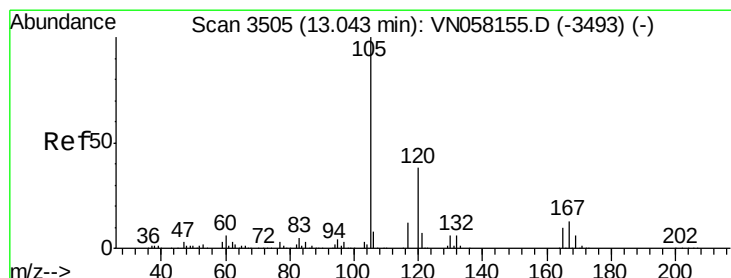
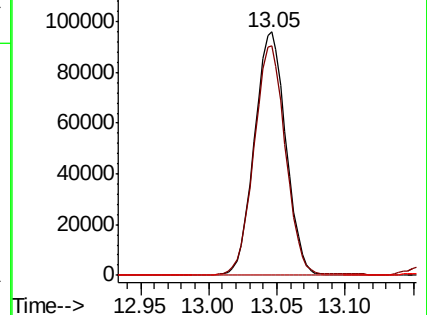
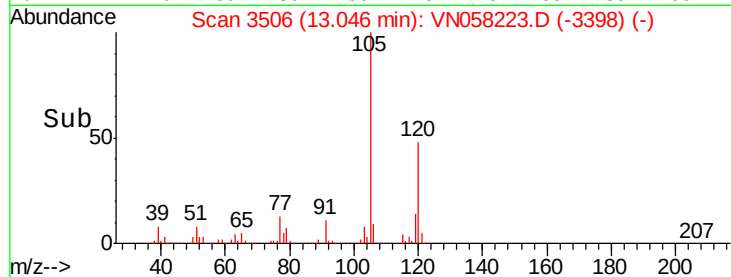
134 0.0 11.6 34.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 69.988 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058223.D

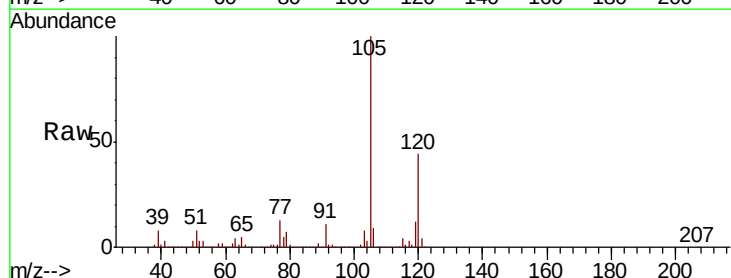
Acq: 19 Sep 2019 22:34

Tgt Ion:105 Resp: 1312977

Ion Ratio Lower Upper

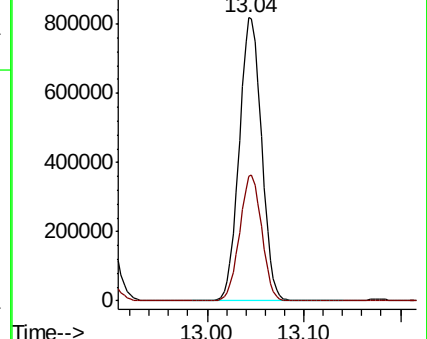
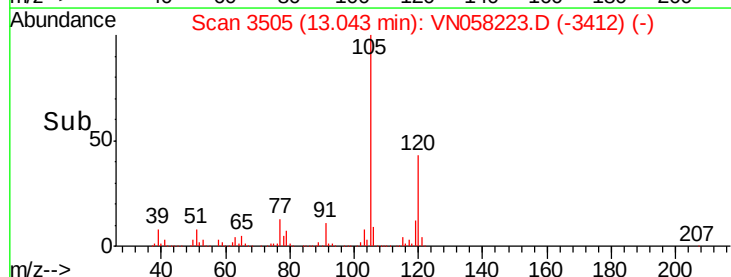
105 100

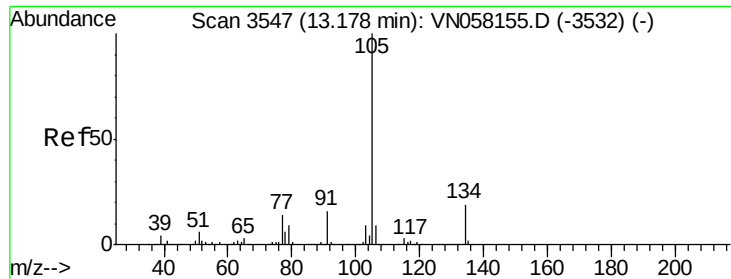
120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 59.726 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.14 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

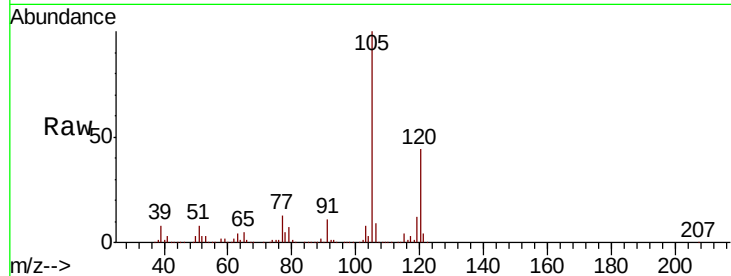
30357DL

Tot Ion:105 Resp: 1312977

Ion Ratio Lower Upper

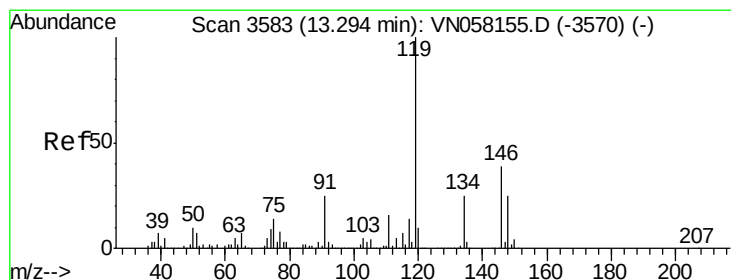
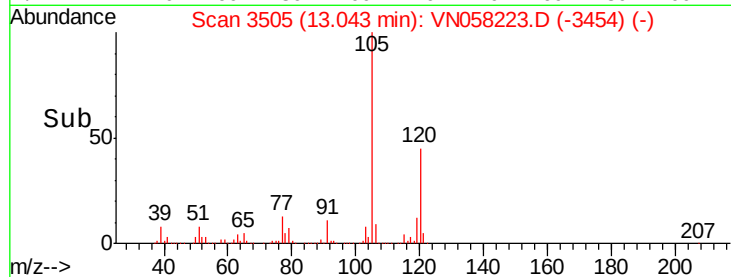
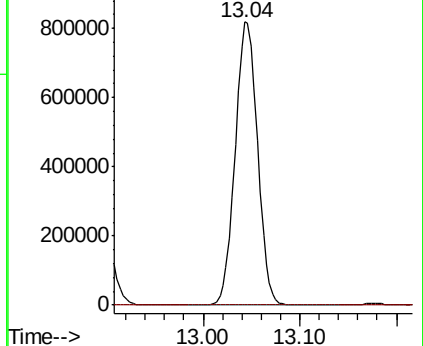
105 100

134 0.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.791 ug/l

RT: 13.24 min Scan# 3566

Delta R.T. -0.05 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

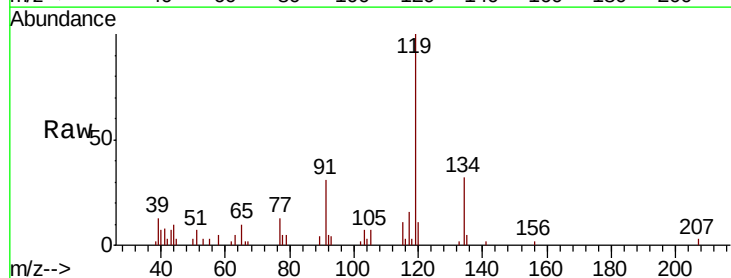
Tgt Ion:119 Resp: 15468

Ion Ratio Lower Upper

119 100

134 30.1 12.7 38.0

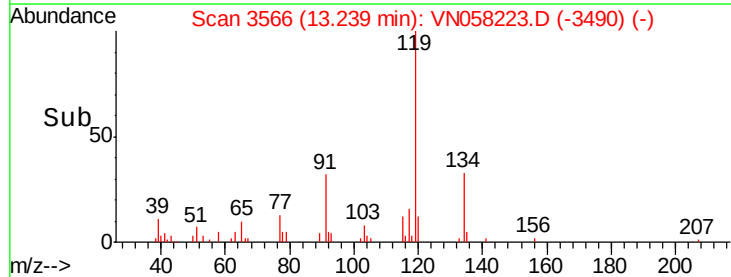
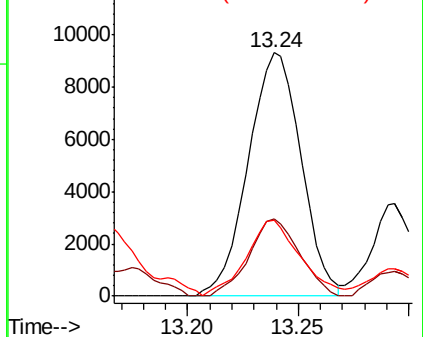
91 32.0 12.3 36.8

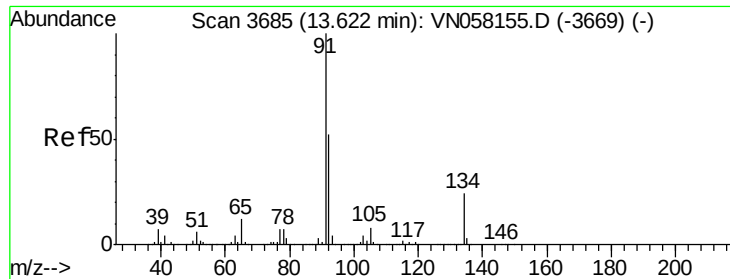


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

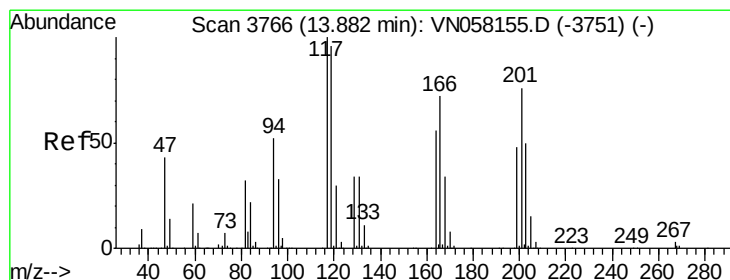
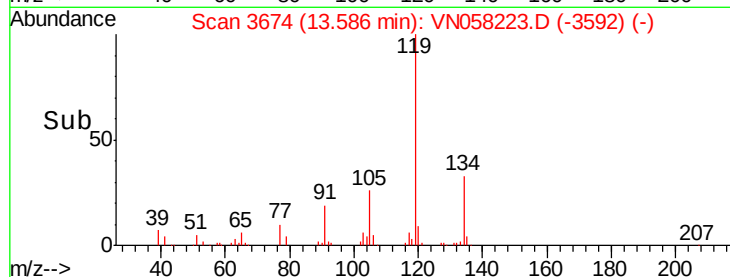
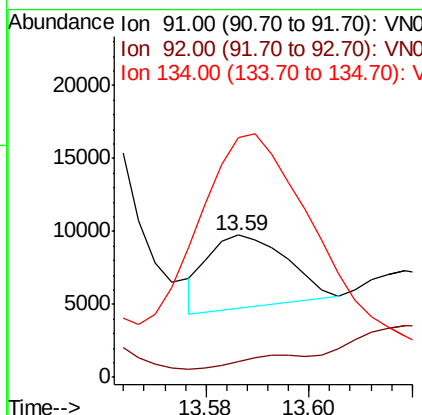
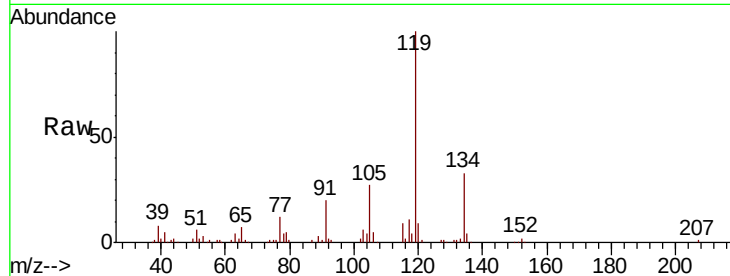




#89
n-Butylbenzene
Concen: 0.289 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.04 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

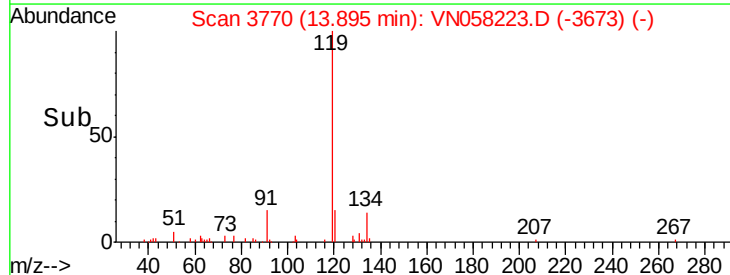
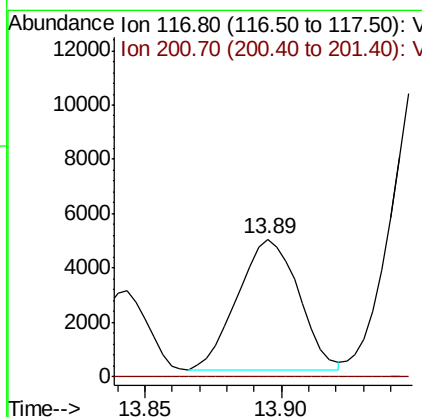
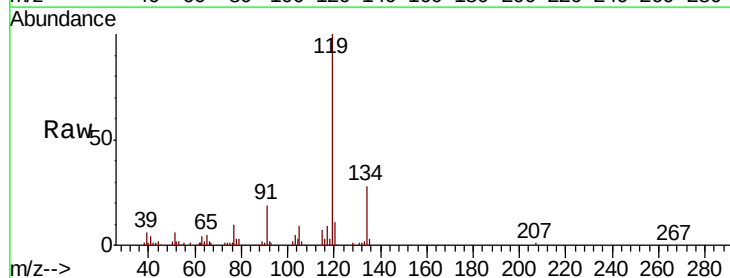
Instrument :
MSVOA_N
ClientSampleId :
30357DL

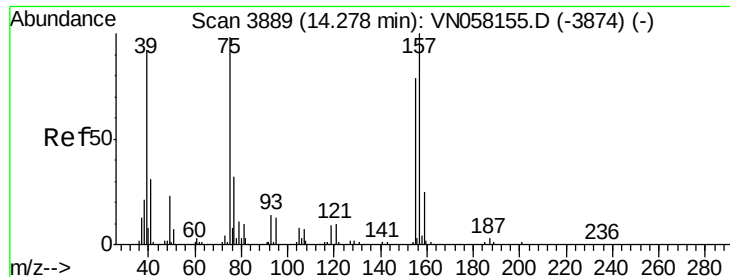
Tot Ion: 91 Resp: 5349
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 578.4 11.8 35.4#



#90
Hexachloroethane
Concen: 4.887 ug/l
RT: 13.89 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion: 117 Resp: 7497
Ion Ratio Lower Upper
117 100
201 0.0 37.5 112.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.719 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.02 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampled :

30357DL

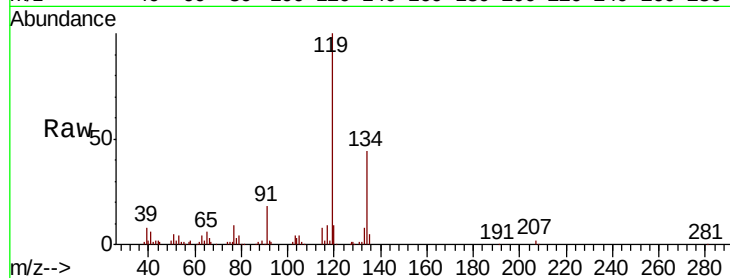
Tot Ion: 75 Resp: 967

Ion Ratio Lower Upper

75 100

155 9.5 38.3 114.8#

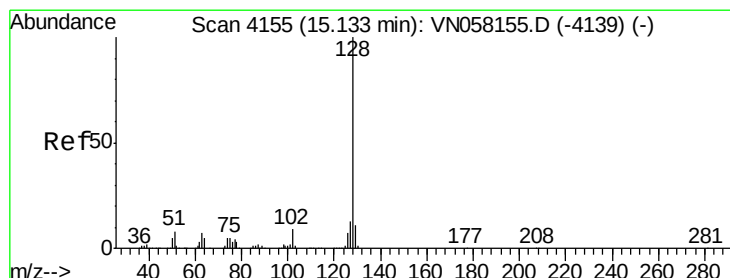
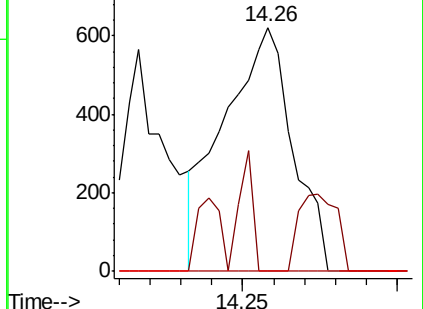
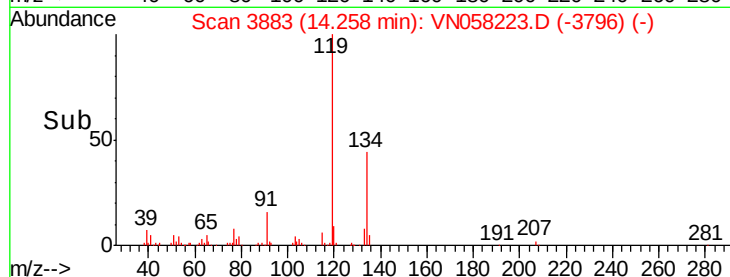
157 0.0 48.0 144.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058223.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN058223.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN058223.D (-3874) (-)



#95

Naphthalene

Concen: 13.797 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

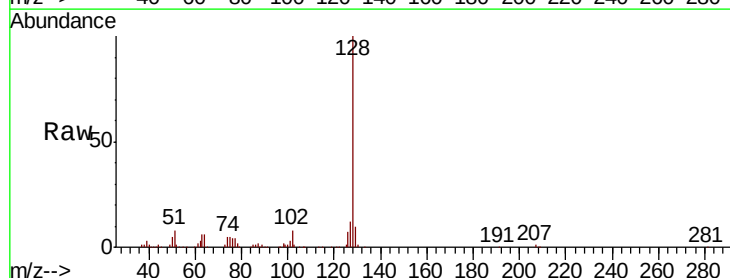
Tgt Ion: 128 Resp: 234719

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN058223.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN058223.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN058223.D (-4062) (-)

