

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057886.D
 Acq On : 11 Sep 2019 00:01
 Operator : JC/SP
 Sample : K4818-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-091019-01

Quant Time: Sep 11 04:00:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	289277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	488115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246501	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	314643	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.40%		
35) Dibromofluoromethane	7.58	113	213005	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.56%		
50) Toluene-d8	10.09	98	873997	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.94%		
62) 4-Bromofluorobenzene	12.41	95	291959	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	882	0.216	ug/l #	88
5) Bromomethane	2.54	94	112	Below Cal	#	2
11) Tert butyl alcohol	4.77	59	8288	11.687	ug/l #	72
15) Acrylonitrile	5.02	53	4793	2.459	ug/l #	22
16) Acetone	3.80	43	20510	10.678	ug/l	95
17) Carbon Disulfide	4.03	76	1128	0.393	ug/l #	75
18) Methyl Acetate	4.31	43	2167	0.423	ug/l #	73
19) Methyl tert-butyl Ether	5.02	73	316231	24.669	ug/l	99
20) Methylene Chloride	4.52	84	139	Below Cal	#	61
29) Tetrahydrofuran	7.20	42	1518	0.886	ug/l #	34
31) Cyclohexane	7.64	56	11400	Below Cal	#	62
36) 1,1-Dichloropropene	7.65	75	24561	4.339	ug/l #	49
38) Carbon Tetrachloride	7.65	117	28805	5.573	ug/l #	15
39) Methylcyclohexane	9.07	83	6009	1.010	ug/l	94
40) Benzene	8.03	78	18702	1.097	ug/l	97
41) Methacrylonitrile	7.19	41	680	0.256	ug/l #	20
52) Toluene	10.16	92	2279	0.212	ug/l	79
55) 1,1,2-Trichloroethane	10.53	97	2974	0.654	ug/l #	14
56) Ethyl methacrylate	10.44	69	1564	0.228	ug/l #	1
59) 2-Hexanone	10.61	43	11027	2.528	ug/l	80
69) o-Xylene	11.95	106	2161	0.290	ug/l	84
73) Isopropylbenzene	12.25	105	77037	4.028	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	160596	28.800	ug/l #	100
78) n-propylbenzene	12.60	91	111974	5.098	ug/l	94
79) 2-Chlorotoluene	12.60	91	111974	8.066	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.40	75	160596	101.347	ug/l #	6
82) 4-Chlorotoluene	12.60	91	111974	7.854	ug/l #	43
83) tert-Butylbenzene	13.00	119	9407	0.655	ug/l	90
84) 1,2,4-Trimethylbenzene	13.05	105	5870	0.357	ug/l	96
85) sec-Butylbenzene	13.18	105	39562	2.078	ug/l	86
86) p-Isopropyltoluene	13.45	119	22699	1.353	ug/l	97
89) n-Butylbenzene	13.62	91	11127	0.702	ug/l #	71
90) Hexachloroethane	13.89	117	13991	5.607	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.22	75	1100	1.034	ug/l #	14

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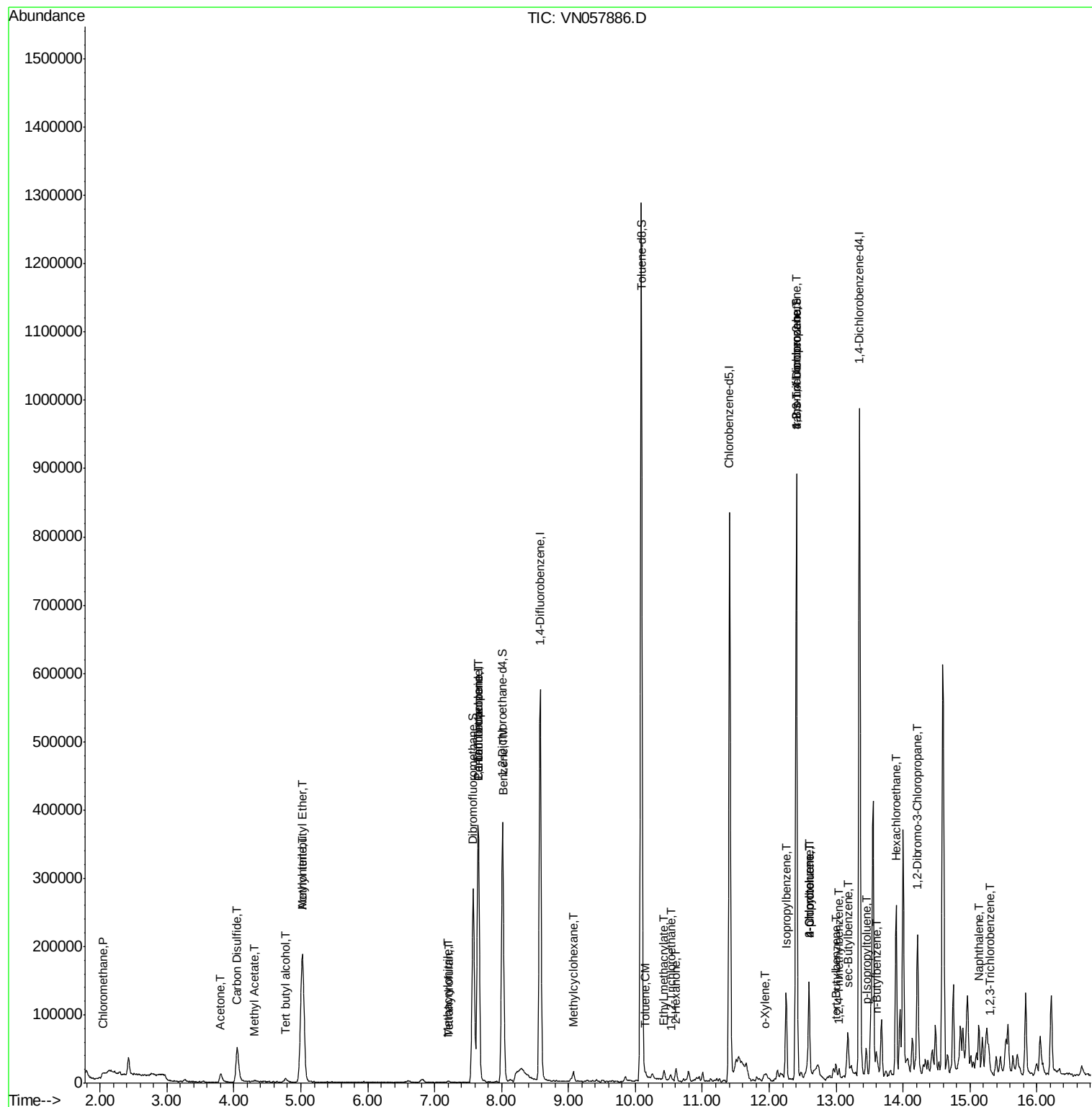
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	56198	2.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	29	1.004	ug/l #	1

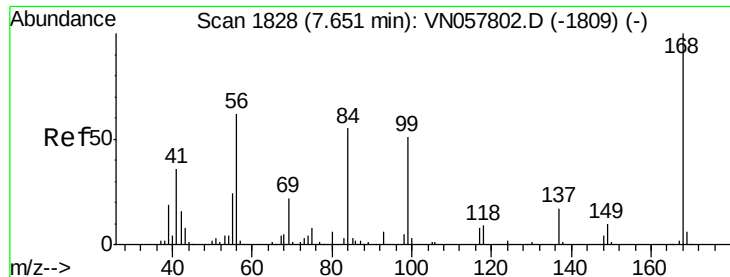
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

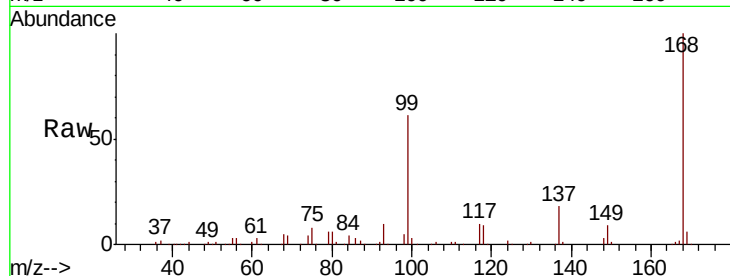
DUP-091019-01

Tgt Ion:168 Resp: 289277

Ion Ratio Lower Upper

168 100

99 60.5 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

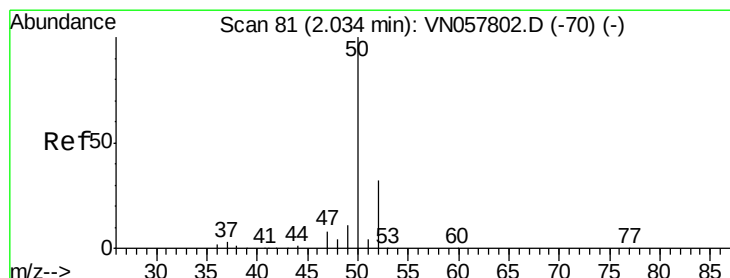
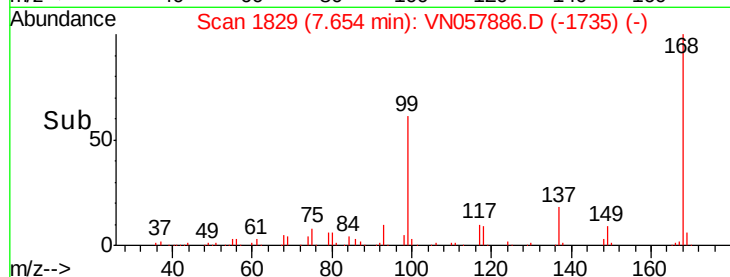
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.216 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057886.D

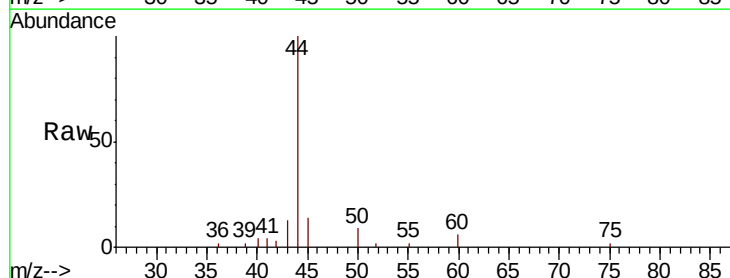
Acq: 11 Sep 2019 00:01

Tgt Ion: 50 Resp: 882

Ion Ratio Lower Upper

50 100

52 25.2 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.04

800

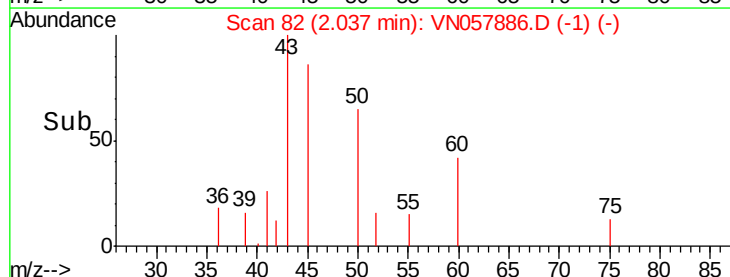
600

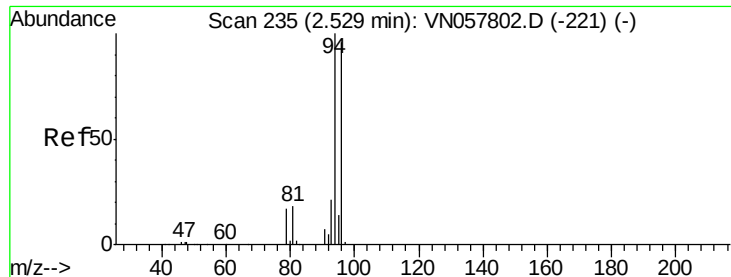
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

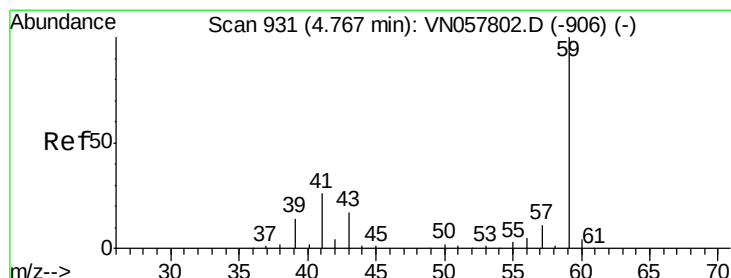
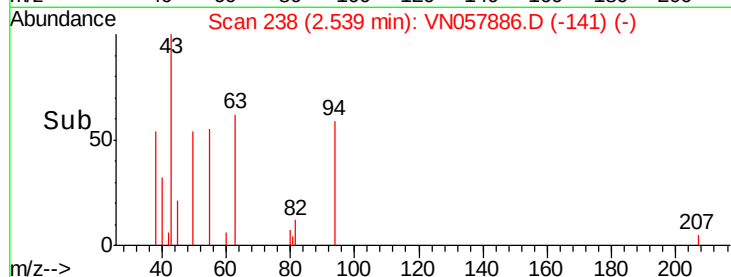
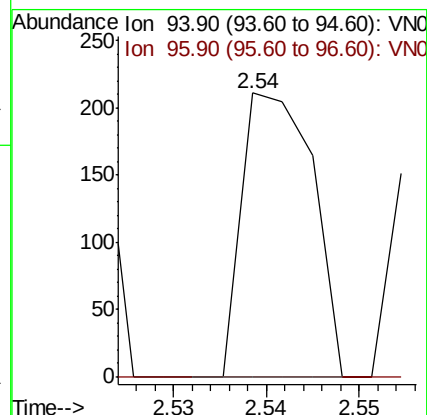
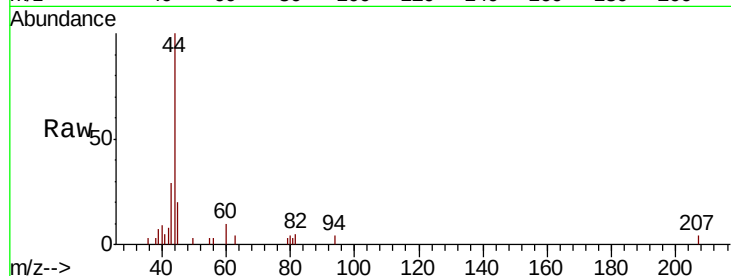
DUP-091019-01

Tgt Ion: 94 Resp: 112

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



#11

Tert butyl alcohol

Concen: 11.687 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057886.D

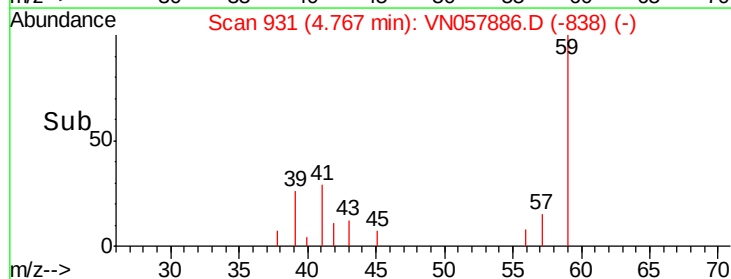
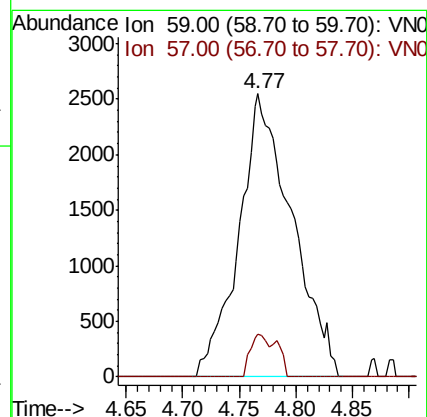
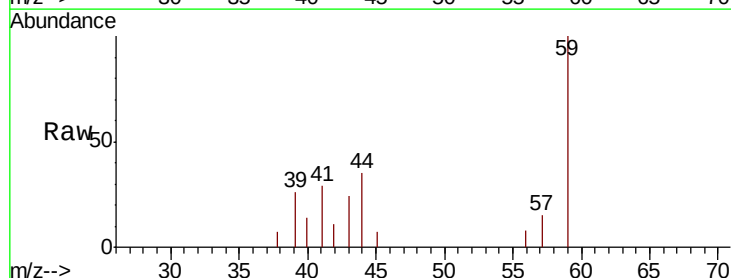
Acq: 11 Sep 2019 00:01

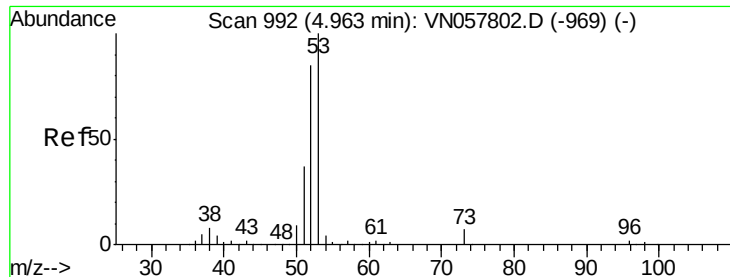
Tgt Ion: 59 Resp: 8288

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#15

Acrylonitrile

Concen: 2.459 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.06 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

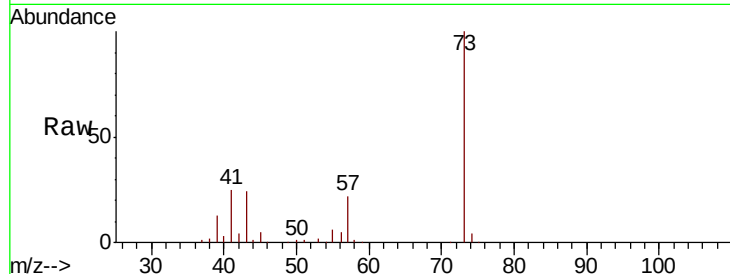
Tgt Ion: 53 Resp: 4793

Ion Ratio Lower Upper

53 100

52 4.6 66.6 100.0#

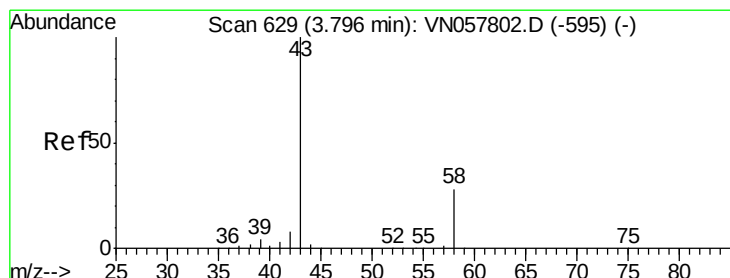
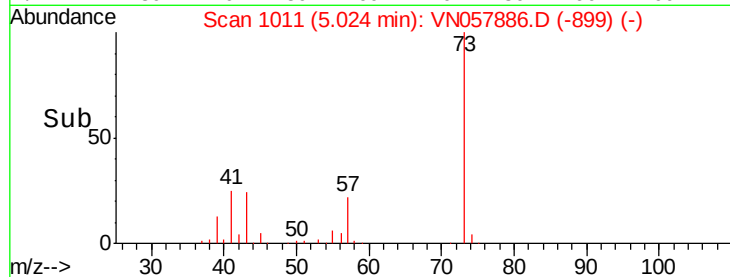
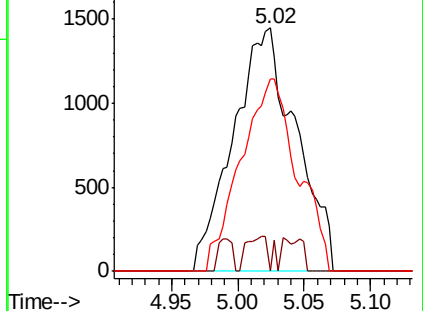
51 71.0 29.8 44.8#



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: 10.678 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057886.D

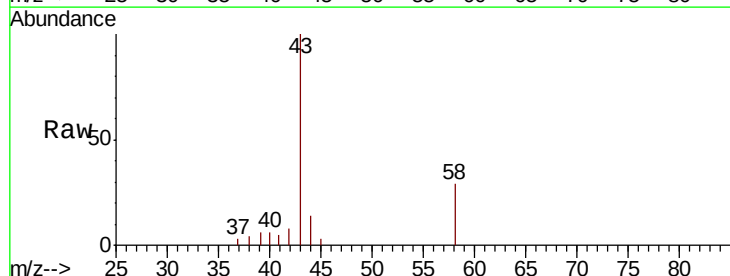
Acq: 11 Sep 2019 00:01

Tgt Ion: 43 Resp: 20510

Ion Ratio Lower Upper

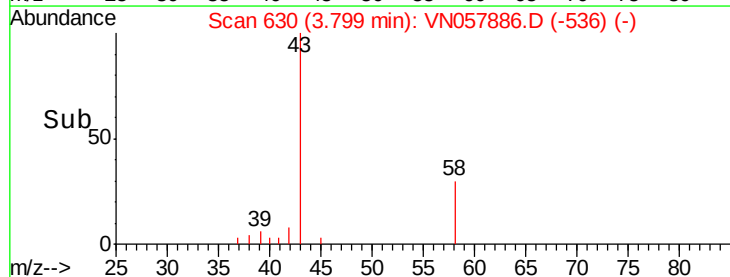
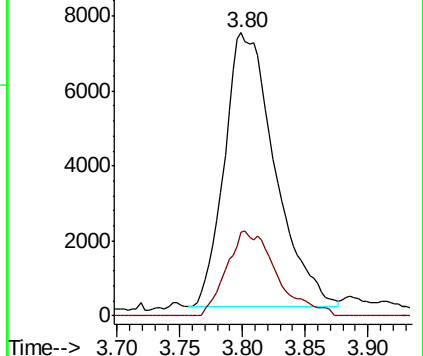
43 100

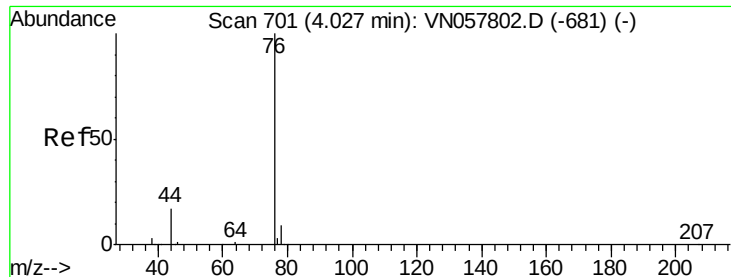
58 30.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

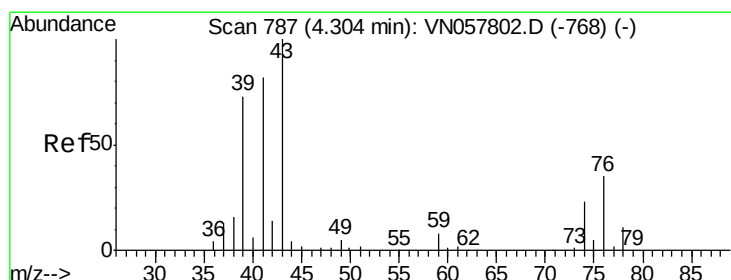
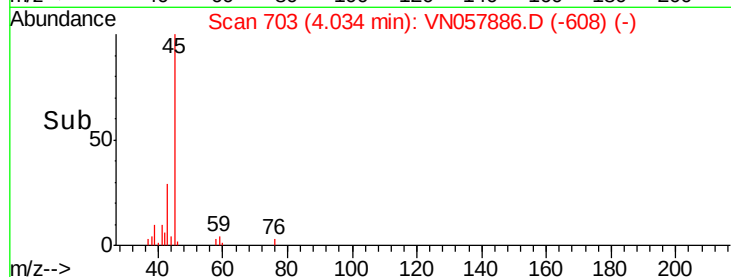
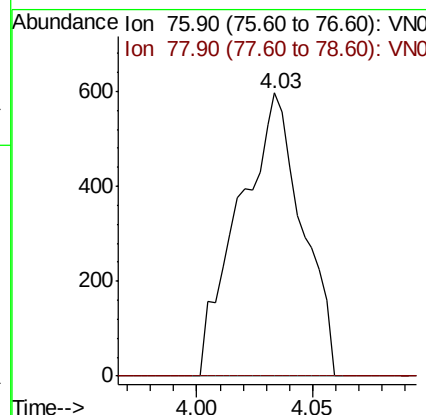
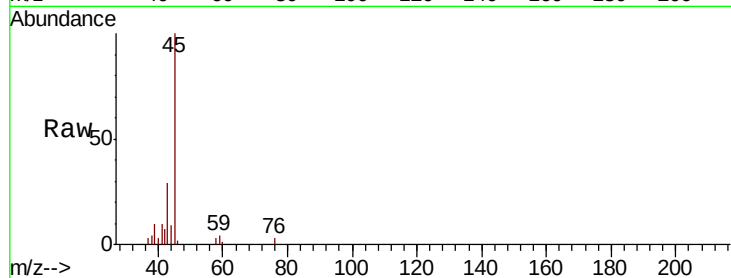




#17
Carbon Disulfide
Concen: 0.393 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

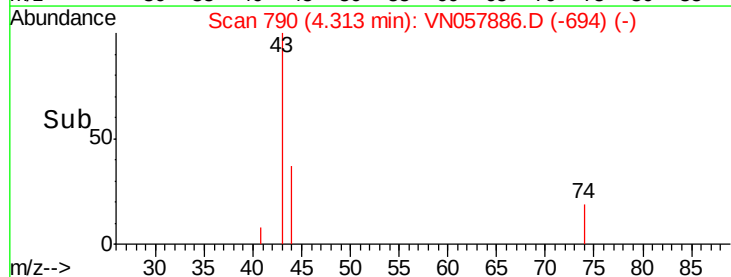
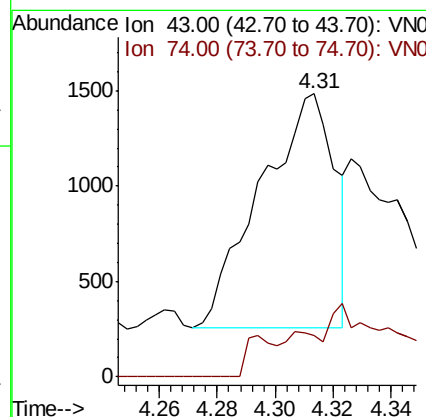
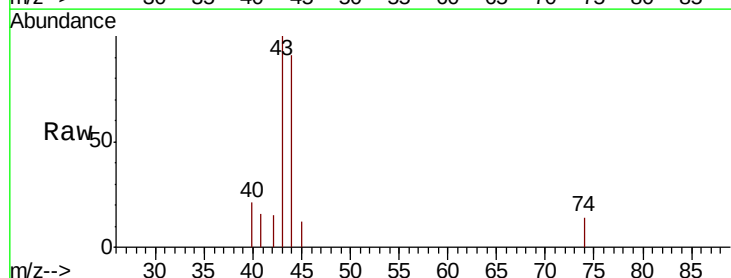
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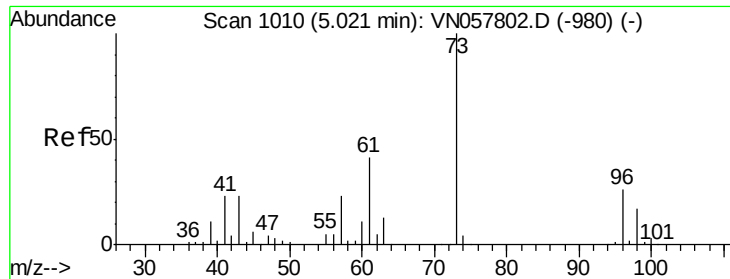
Tgt Ion: 76 Resp: 1128
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.423 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
74 9.4 17.9 26.9#

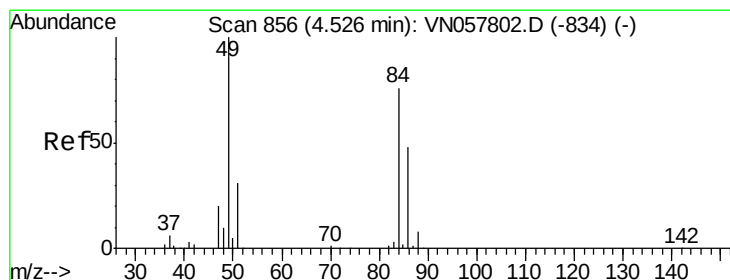
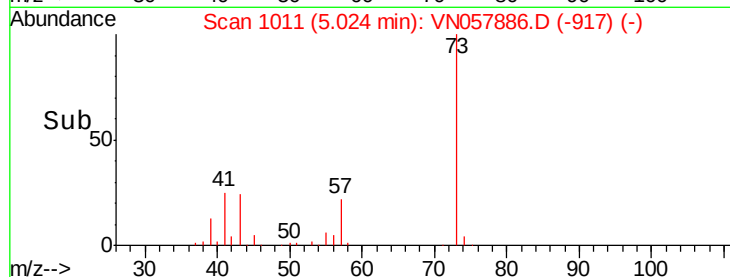
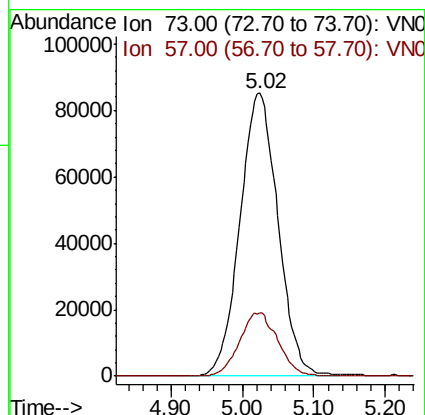
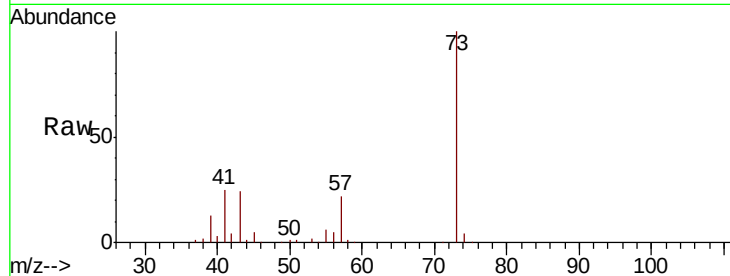




#19
Methyl tert-butyl Ether
Concen: 24.669 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

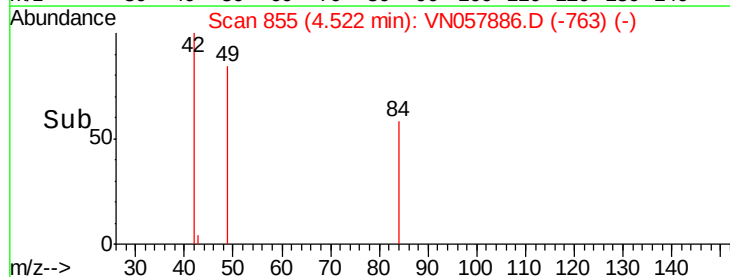
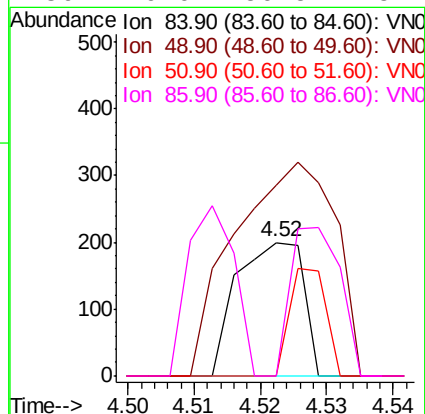
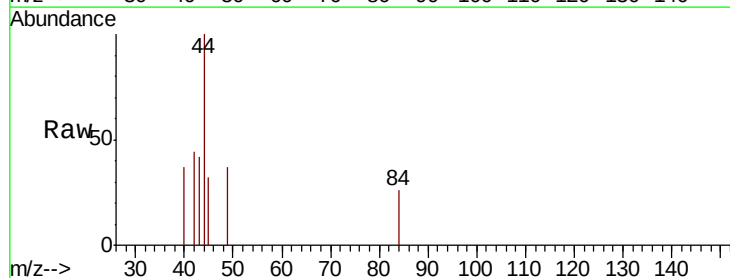
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MSVOA_N
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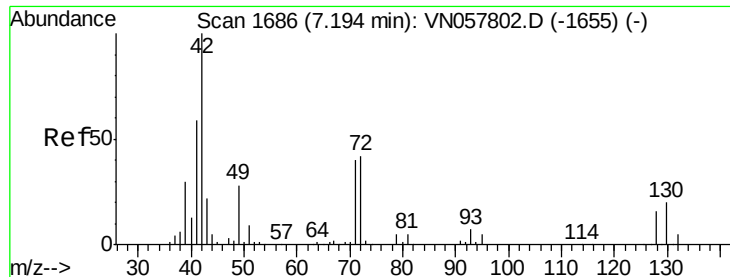
Tgt Ion: 73 Resp: 316231
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Tgt Ion: 84 Resp: 139
Ion Ratio Lower Upper
84 100
49 143.0 104.8 157.2
51 0.0 33.0 49.4#
86 0.0 50.5 75.7#





#29

Tetrahydrofuran

Concen: 0.886 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

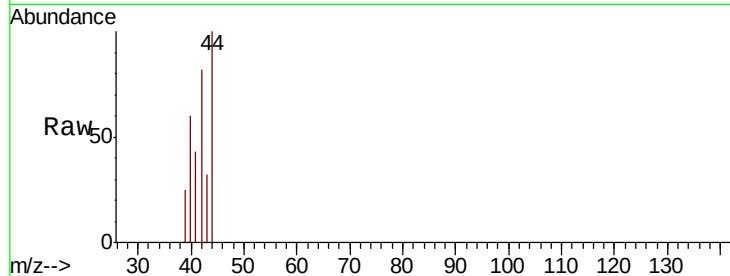
Tgt Ion: 42 Resp: 1518

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

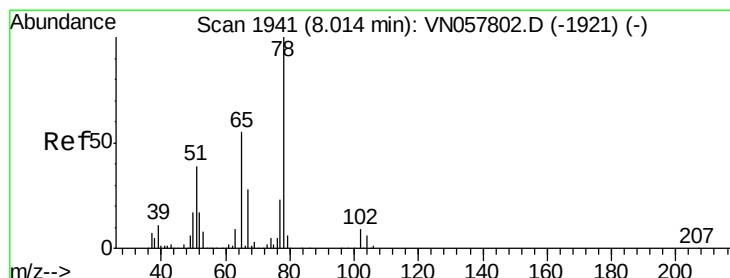
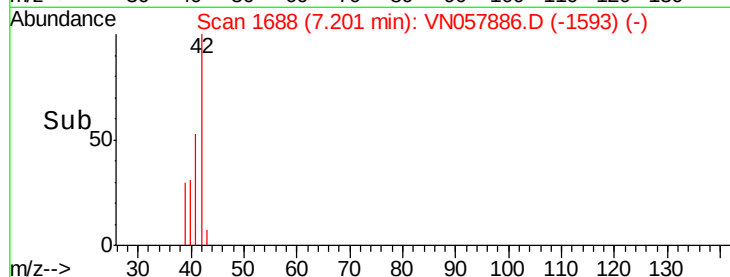
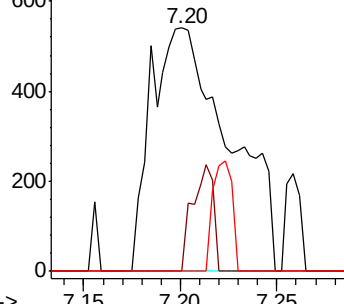
71 0.0 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.702 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057886.D

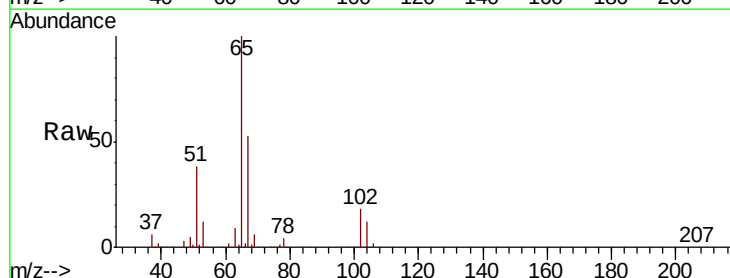
Acq: 11 Sep 2019 00:01

Tgt Ion: 65 Resp: 314643

Ion Ratio Lower Upper

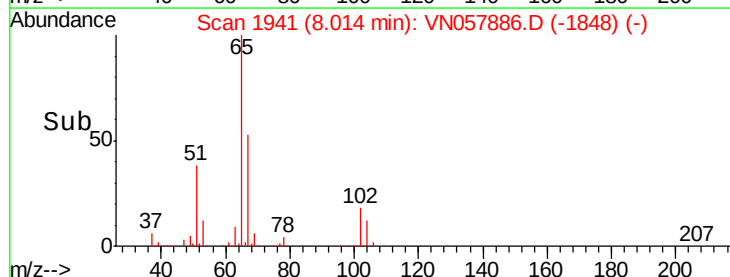
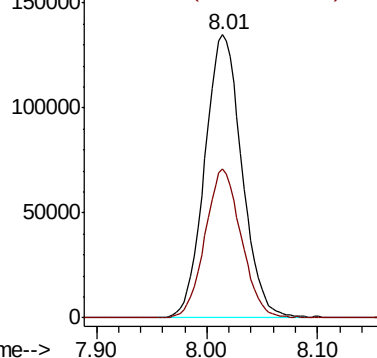
65 100

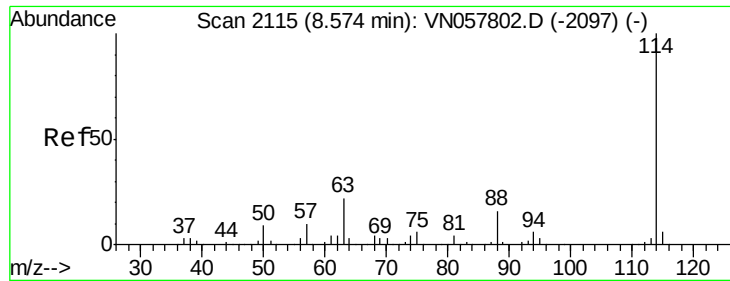
67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

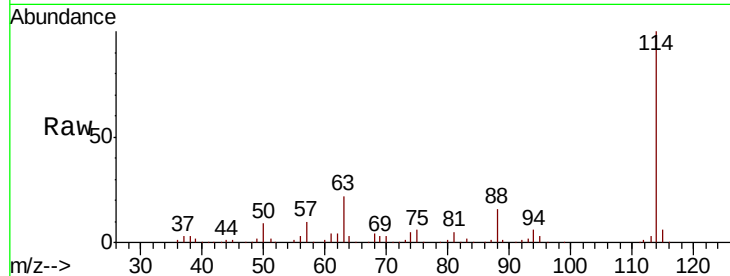




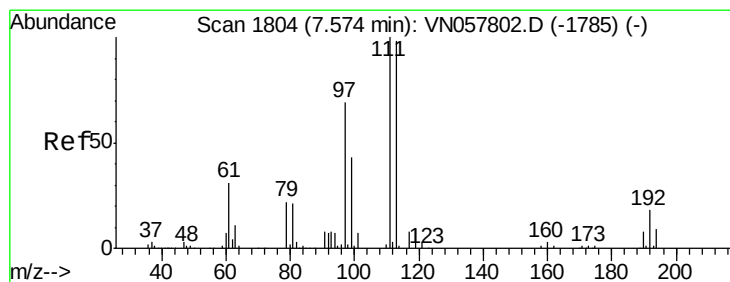
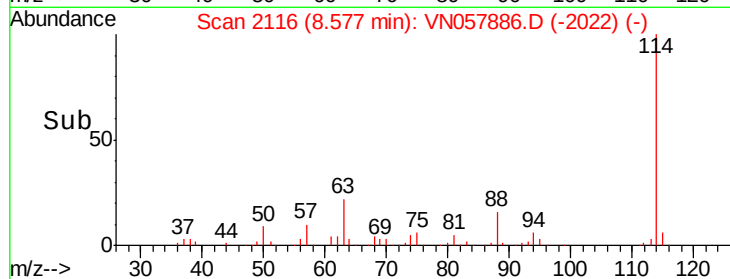
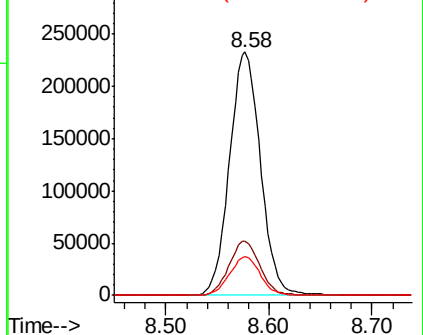
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-091019-01

Tgt Ion:114 Resp: 488115
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.2 0.0 31.4

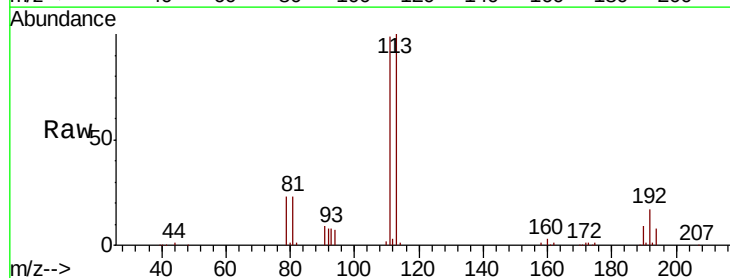


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

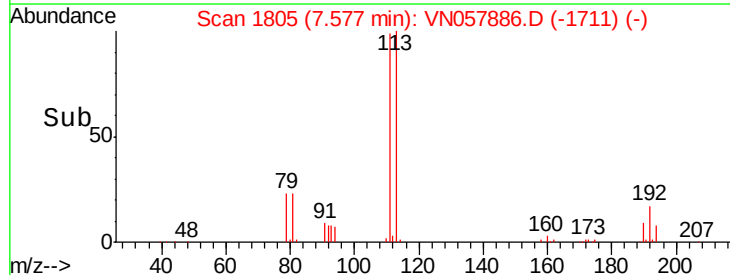
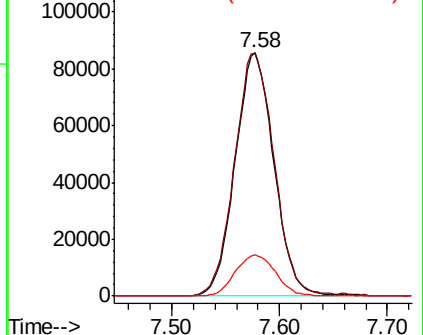


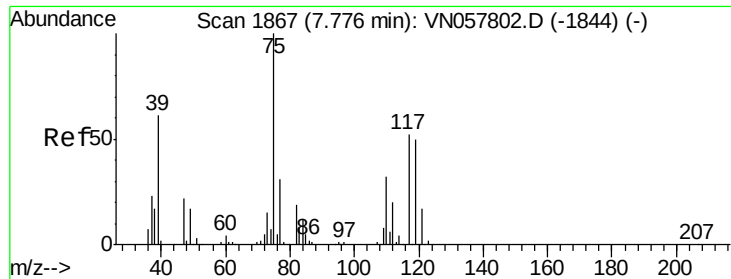
#35
 Dibromofluoromethane
 Concen: 47.281 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Tgt Ion:113 Resp: 213005
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.3 121.9
 192 17.7 14.6 22.0



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

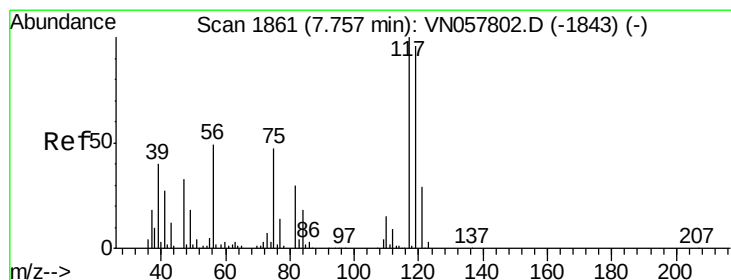
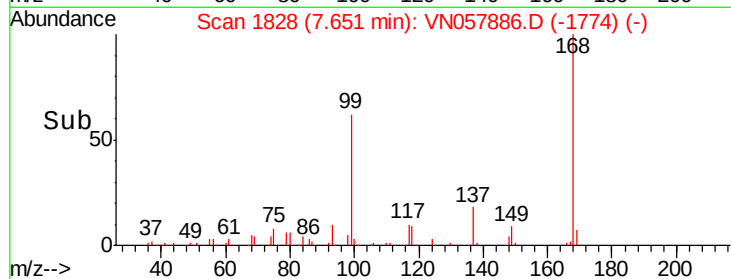
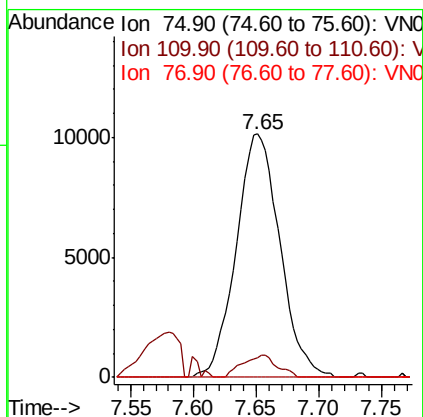
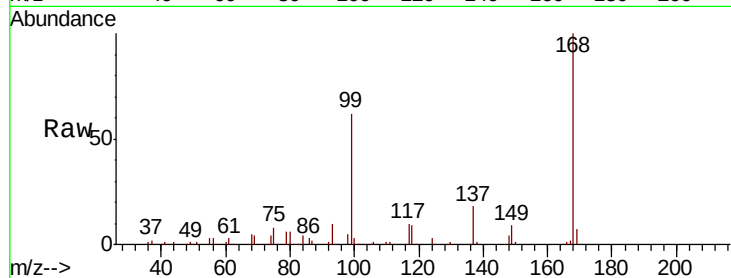




#36
 1,1-Dichloropropene
 Concen: 4.339 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

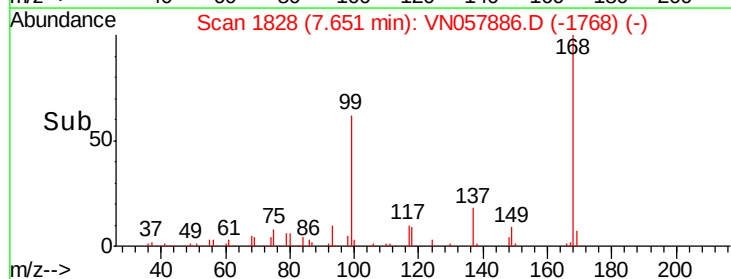
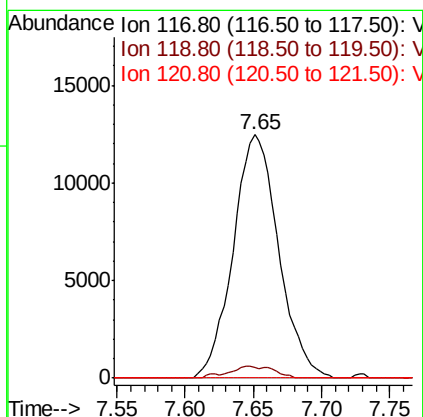
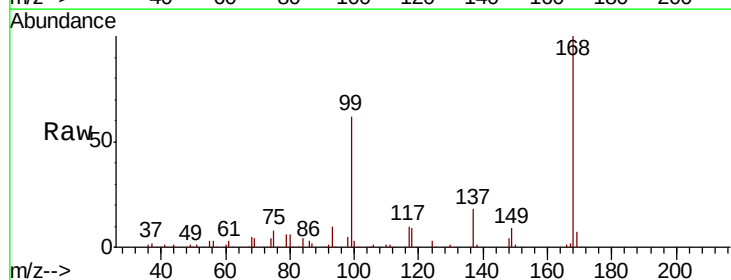
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-091019-01

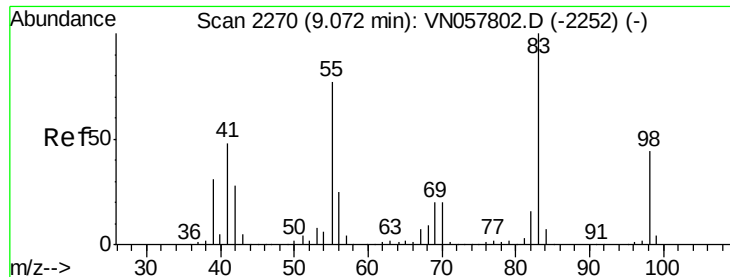
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.3	48.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.573 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.9	115.3#
121	0.0	23.4	35.2#

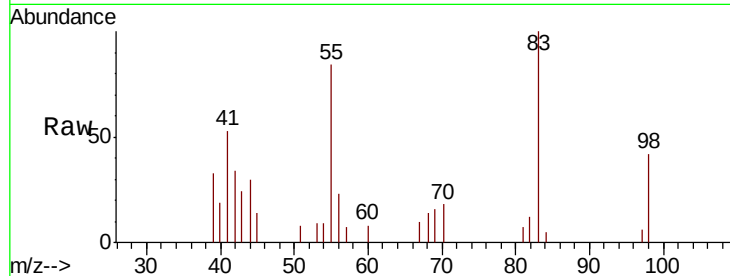




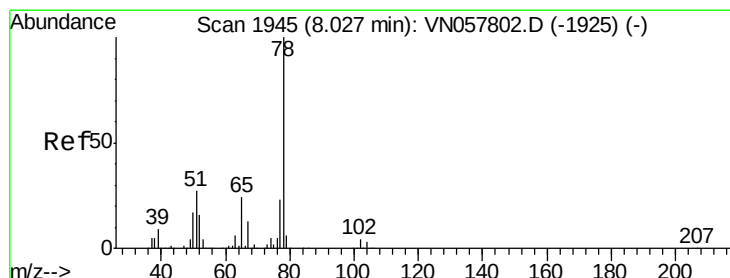
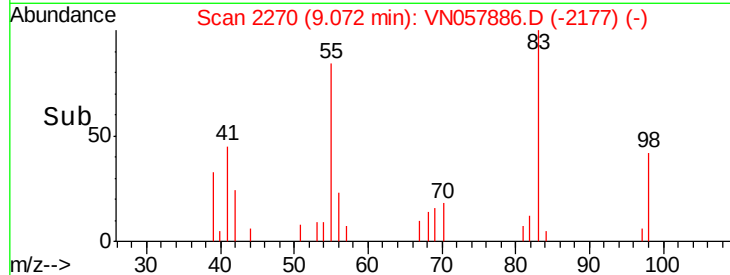
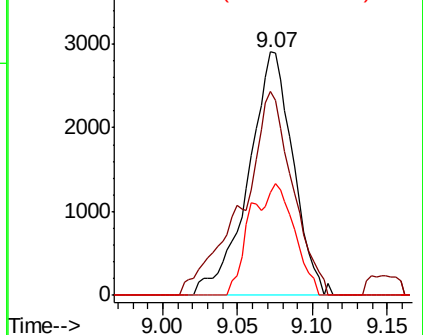
#39
Methylcyclohexane
Concen: 1.010 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Instrument :
MSVOA_N
ClientSampleId :
DUP-091019-01

Tgt Ion: 83 Resp: 6009
Ion Ratio Lower Upper
83 100
55 84.0 61.6 92.4
98 42.0 34.9 52.3

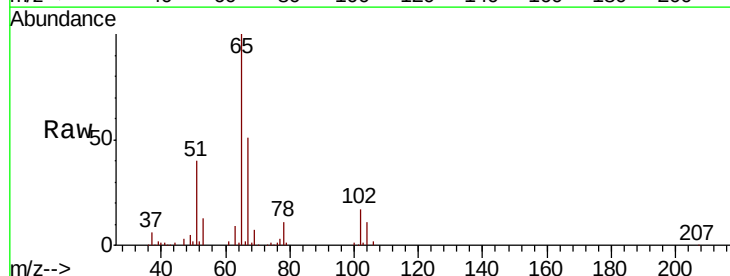


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

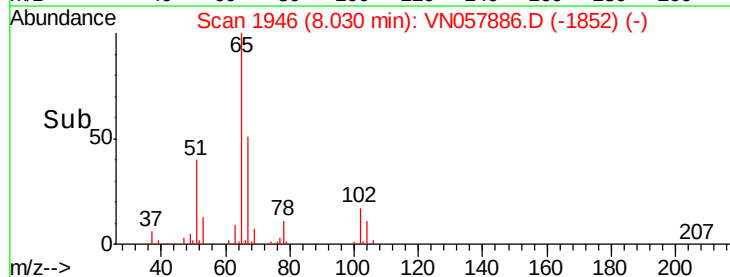
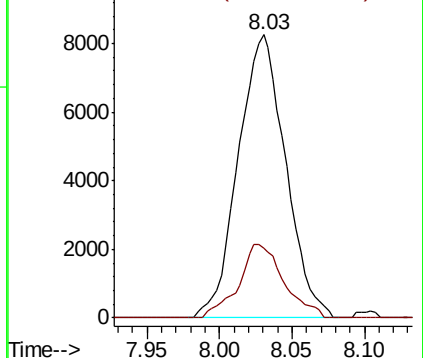


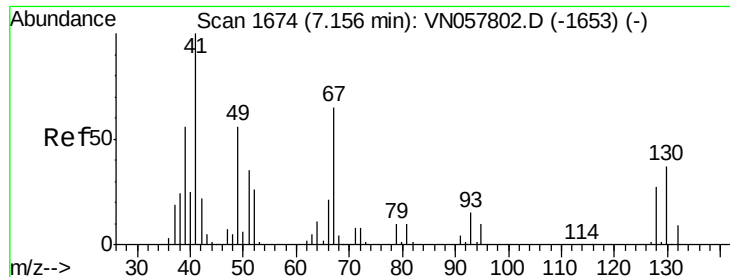
#40
Benzene
Concen: 1.097 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Tgt Ion: 78 Resp: 18702
Ion Ratio Lower Upper
78 100
77 24.5 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 0.256 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

Tgt Ion: 41 Resp: 680

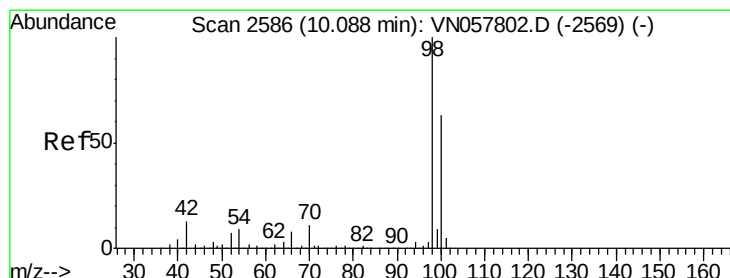
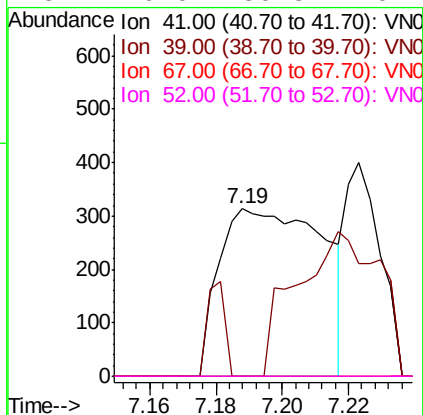
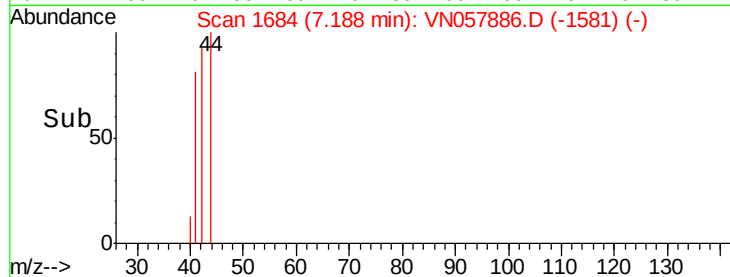
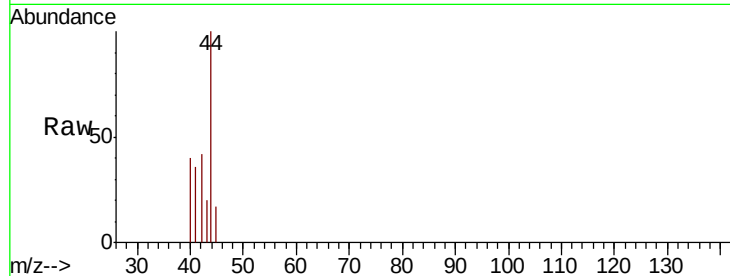
Ion Ratio Lower Upper

41 100

39 9.7 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#



#50

Toluene-d8

Concen: 49.968 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057886.D

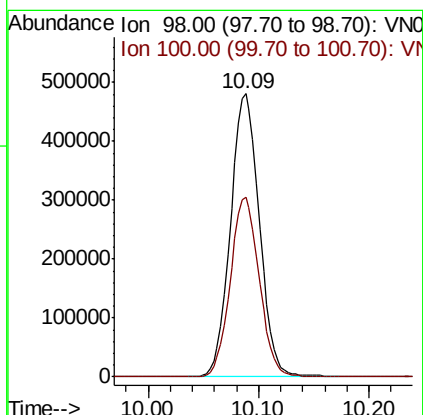
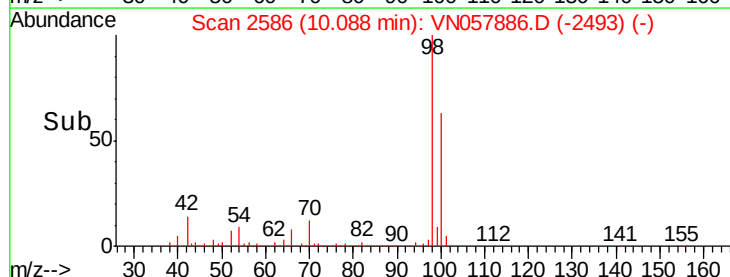
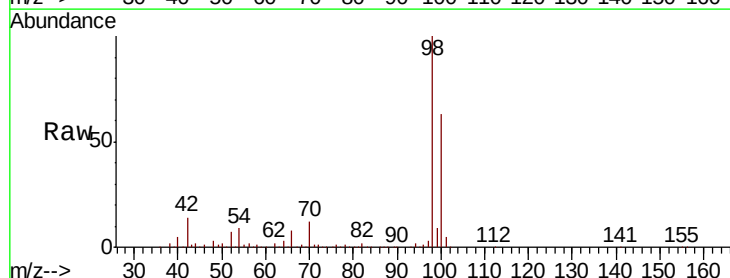
Acq: 11 Sep 2019 00:01

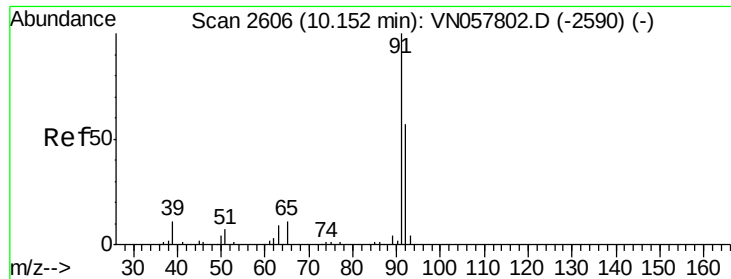
Tgt Ion: 98 Resp: 873997

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5





#52

Toluene

Concen: 0.212 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

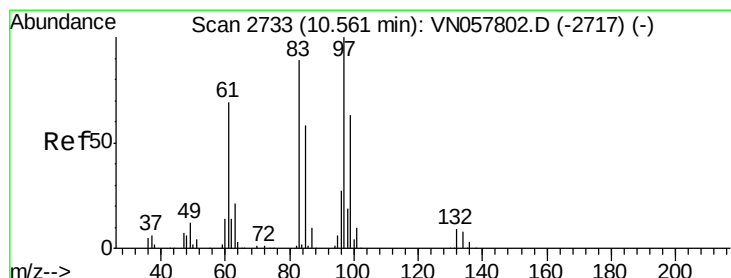
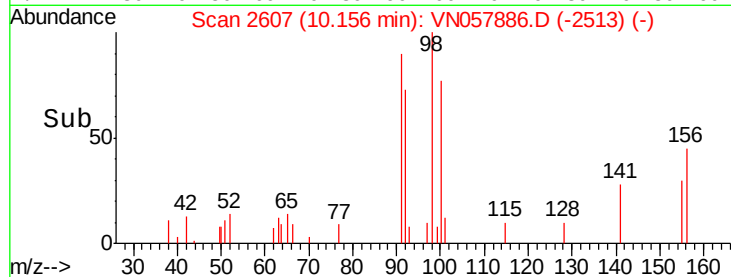
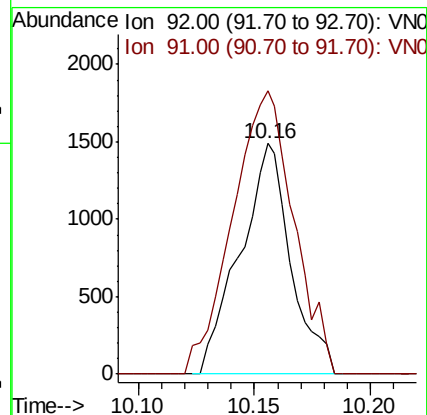
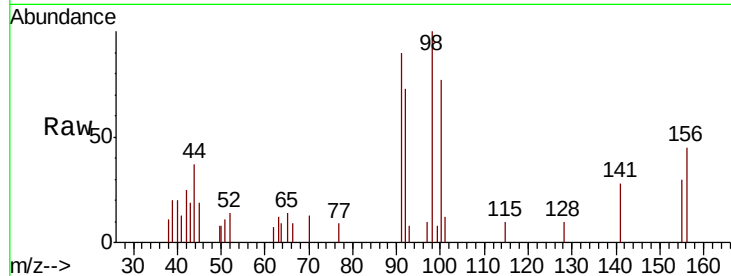
DUP-091019-01

Tgt Ion: 92 Resp: 2279

Ion Ratio Lower Upper

92 100

91 147.2 141.0 211.6



#55

1,1,2-Trichloroethane

Concen: 0.654 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.04 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Tgt Ion: 97 Resp: 2974

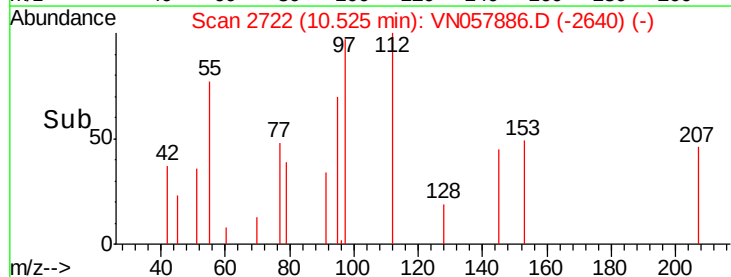
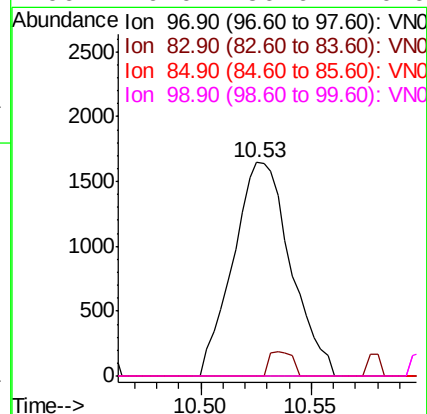
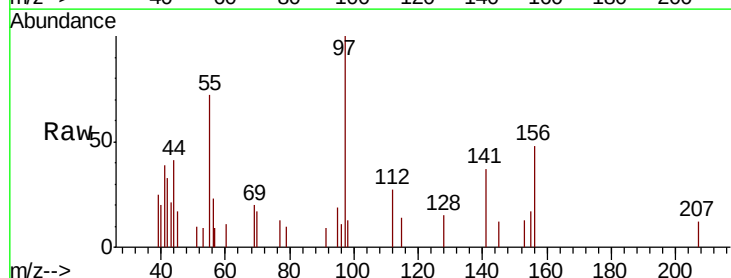
Ion Ratio Lower Upper

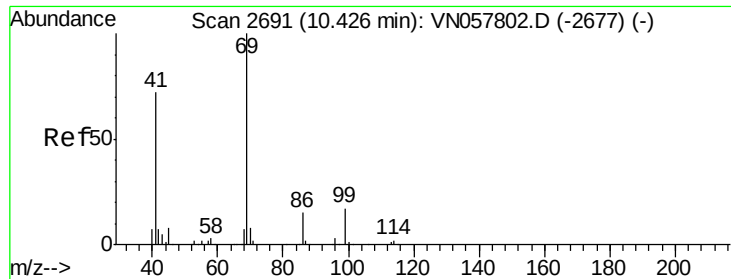
97 100

83 0.0 70.8 106.2#

85 0.0 46.0 69.0#

99 0.0 50.6 76.0#





#56

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

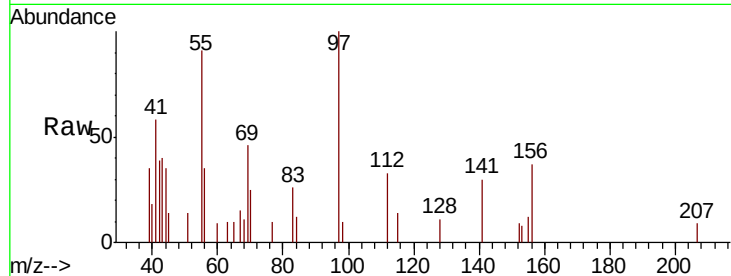
Tgt Ion: 69 Resp: 1564

Ion Ratio Lower Upper

69 100

41 184.7 56.7 85.1#

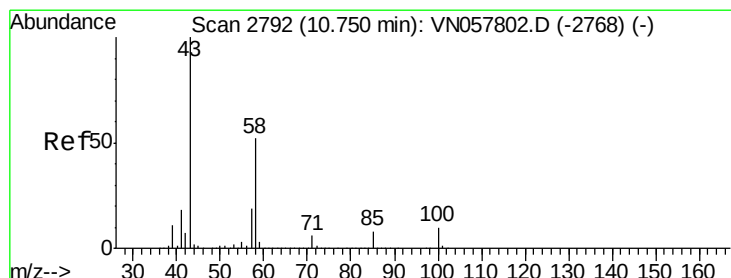
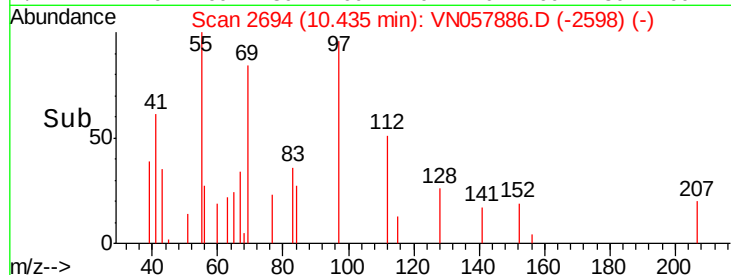
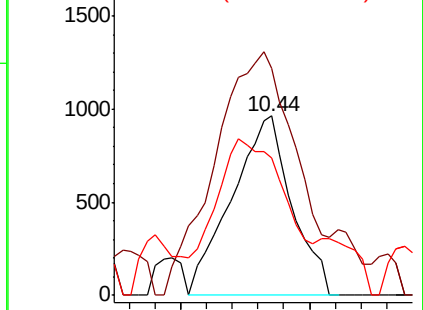
39 76.7 36.3 54.5#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 2.528 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.14 min

Lab File: VN057886.D

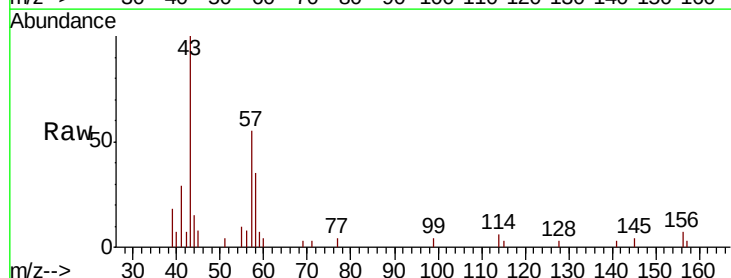
Acq: 11 Sep 2019 00:01

Tgt Ion: 43 Resp: 11027

Ion Ratio Lower Upper

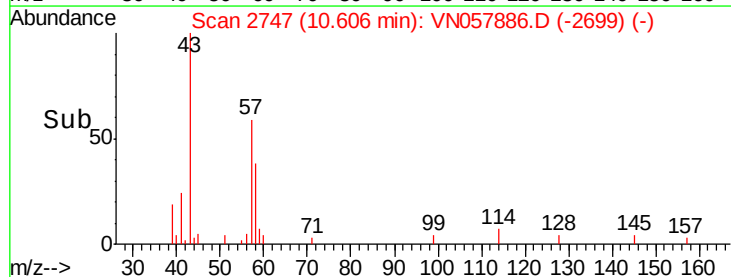
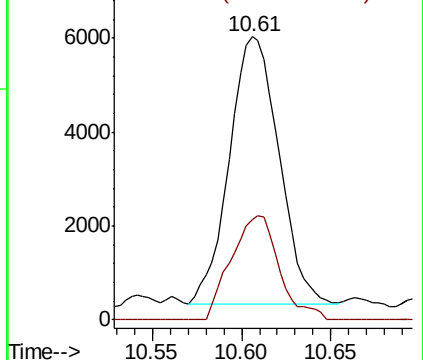
43 100

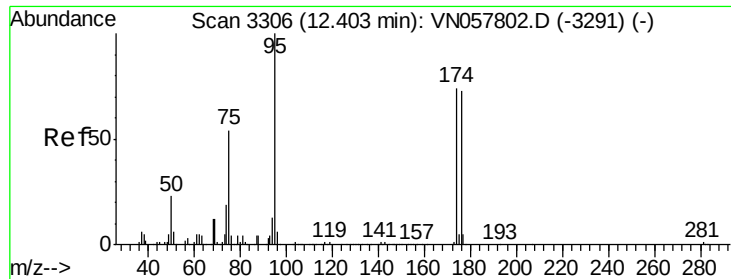
58 37.6 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

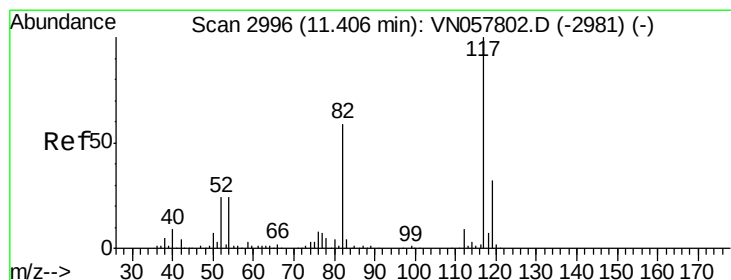
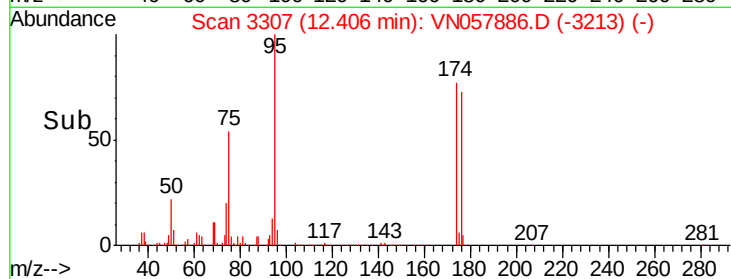
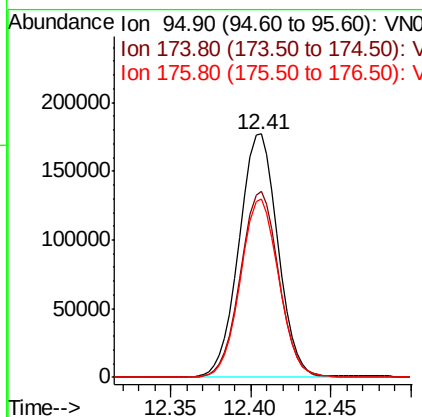
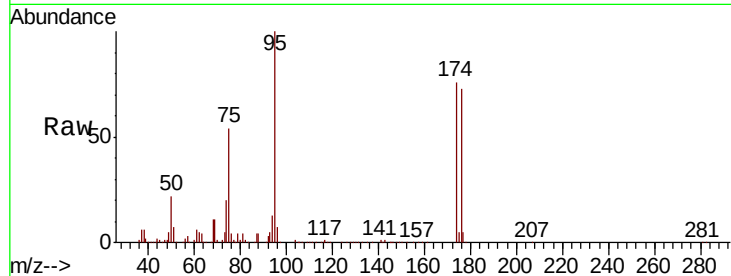




#62
4-Bromofluorobenzene
Concen: 43.800 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

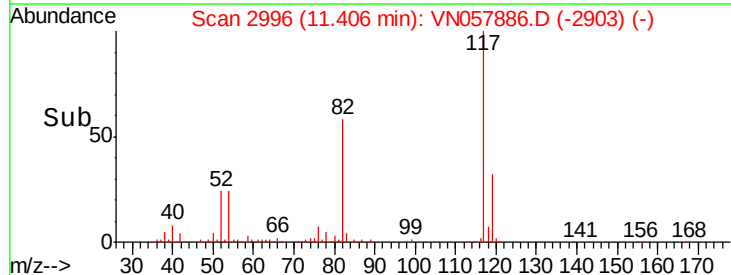
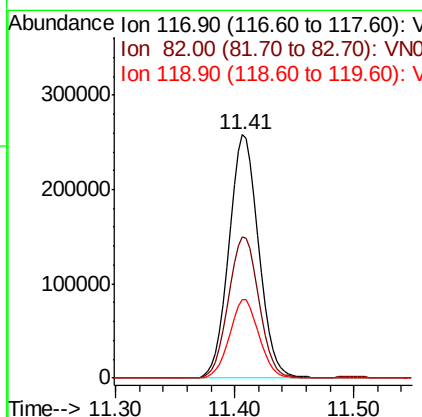
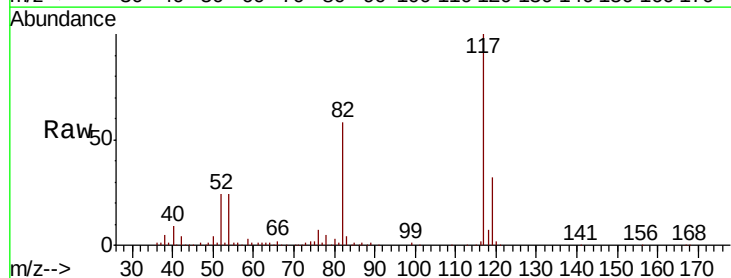
Instrument :
MSVOA_N
ClientSampleId :
DUP-091019-01

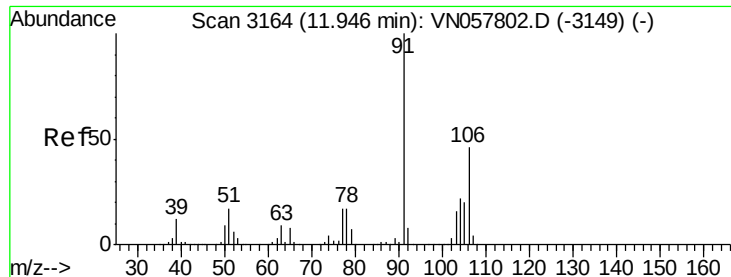
Tgt Ion: 95 Resp: 291959
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.2
176 73.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Tgt Ion: 117 Resp: 445741
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 32.2 25.3 37.9

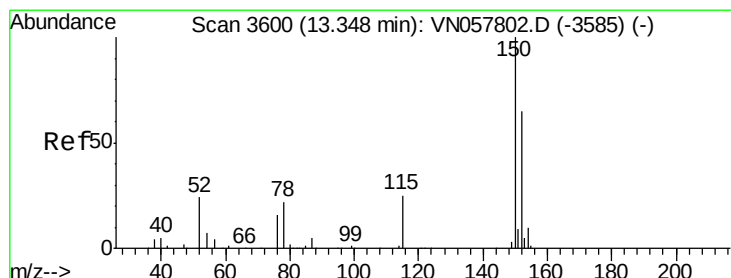
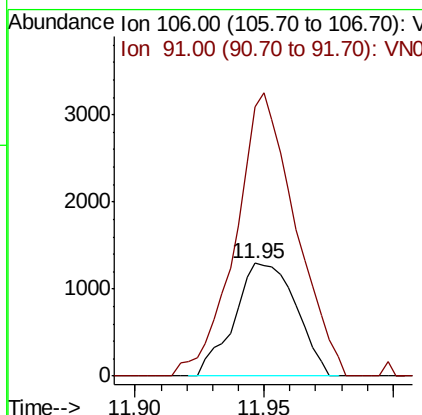
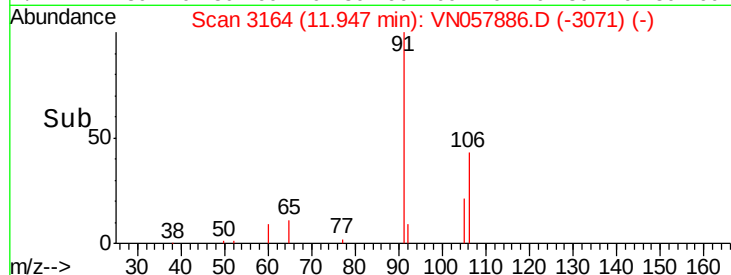
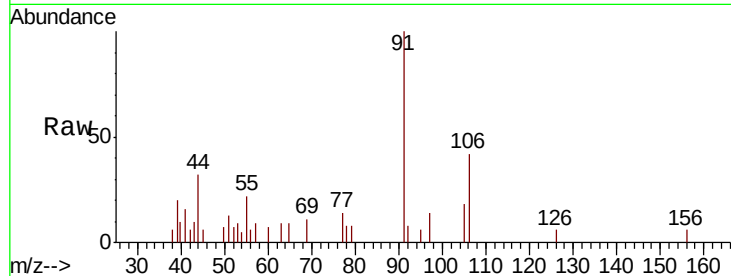




#69
o-Xylene
Concen: 0.290 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

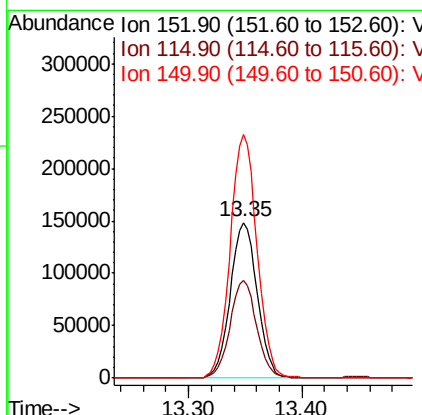
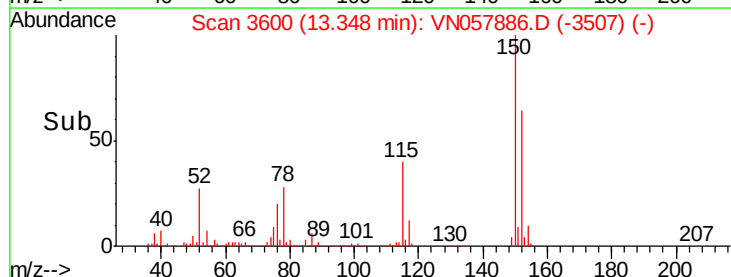
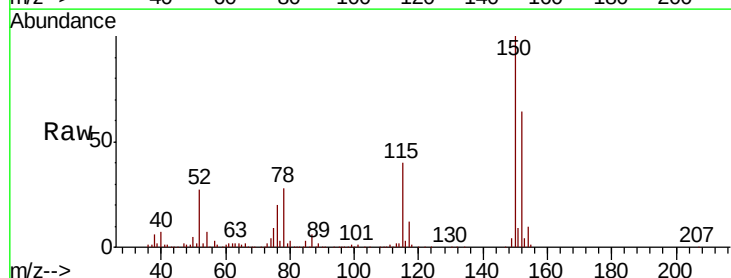
Instrument :
MSVOA_N
ClientSampleId :
DUP-091019-01

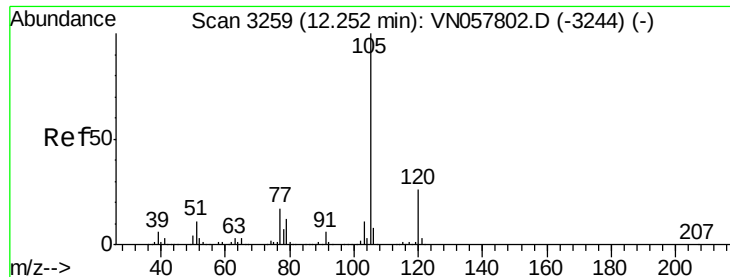
Tgt Ion:106 Resp: 2161
Ion Ratio Lower Upper
106 100
91 243.7 108.7 326.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057886.D
Acq: 11 Sep 2019 00:01

Tgt Ion:152 Resp: 246501
Ion Ratio Lower Upper
152 100
115 61.3 30.3 91.0
150 155.1 0.0 352.4





#73

Isopropylbenzene

Concen: 4.028 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

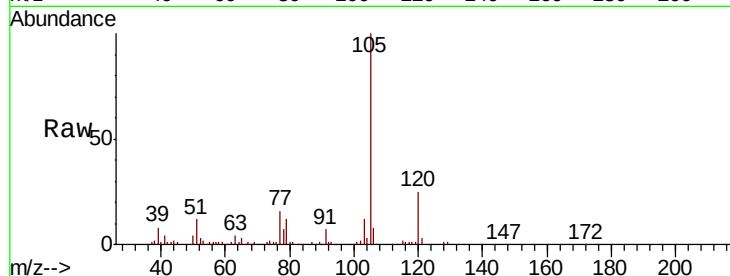
DUP-091019-01

Tgt Ion:105 Resp: 77037

Ion Ratio Lower Upper

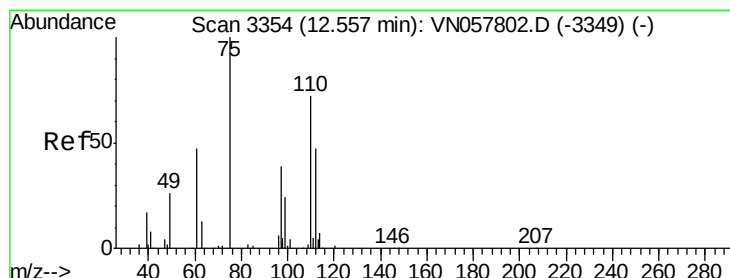
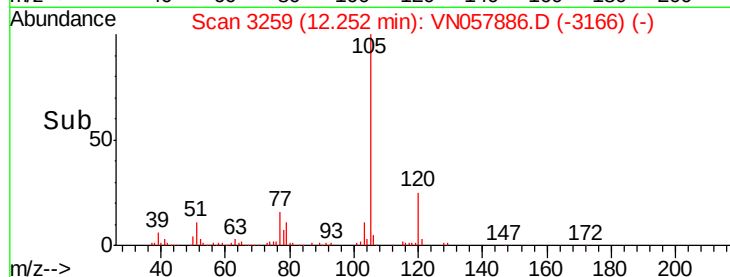
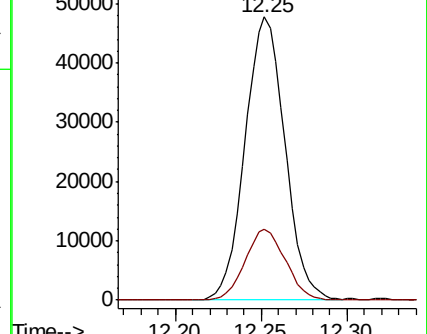
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 28.800 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057886.D

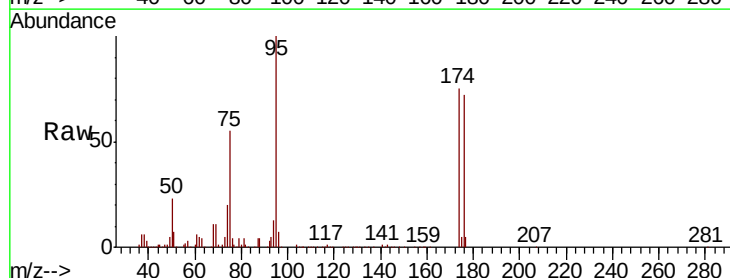
Acq: 11 Sep 2019 00:01

Tgt Ion: 75 Resp: 160596

Ion Ratio Lower Upper

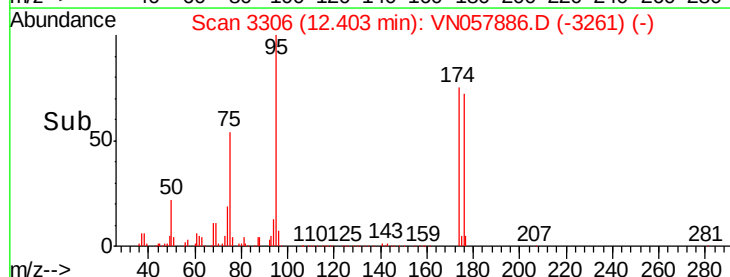
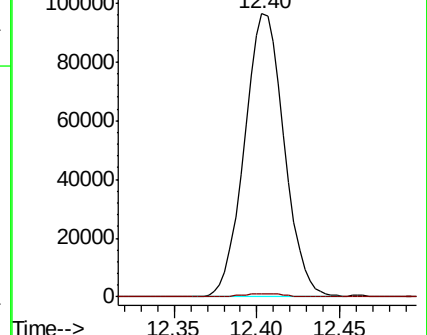
75 100

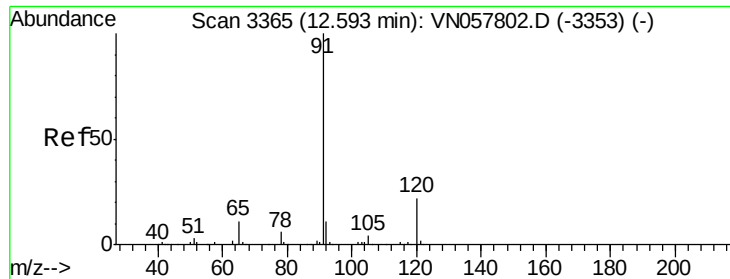
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 5.098 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

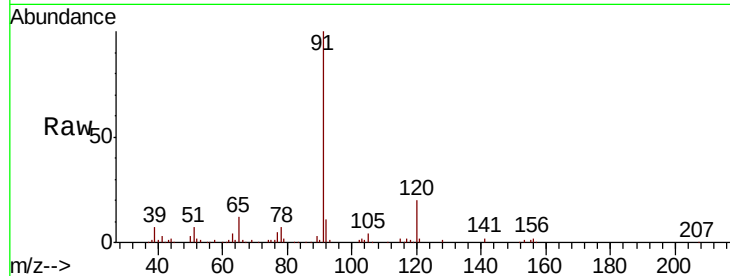
DUP-091019-01

Tgt Ion: 91 Resp: 111974

Ion Ratio Lower Upper

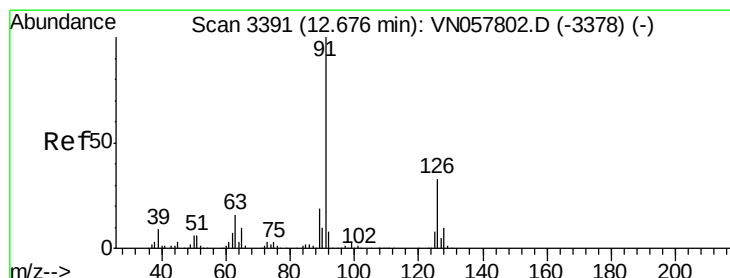
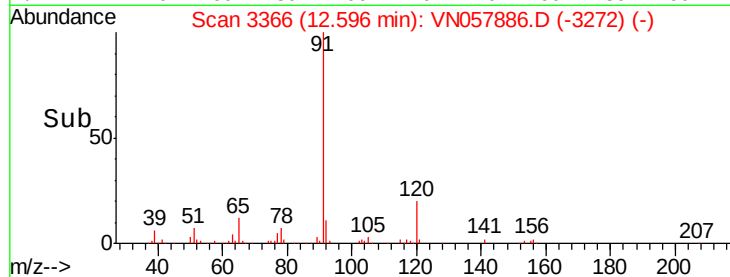
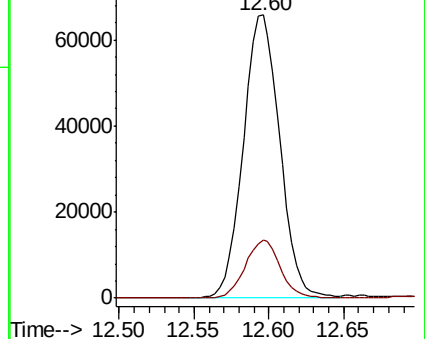
91 100

120 19.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 8.066 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN057886.D

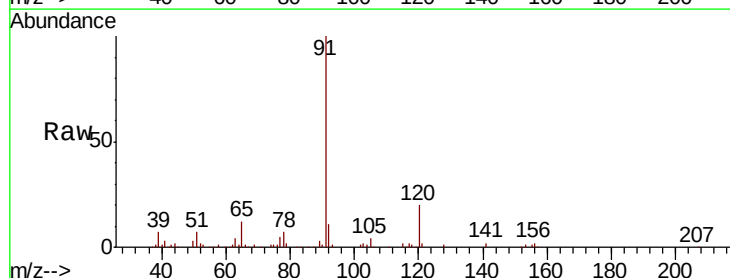
Acq: 11 Sep 2019 00:01

Tgt Ion: 91 Resp: 111974

Ion Ratio Lower Upper

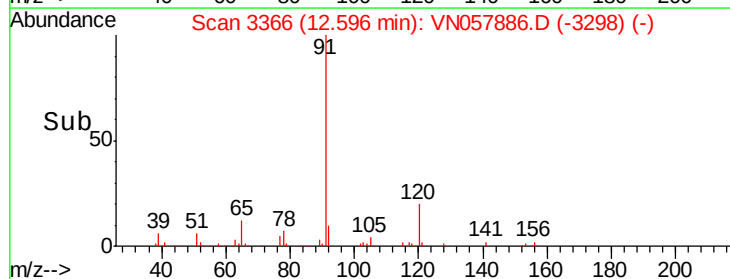
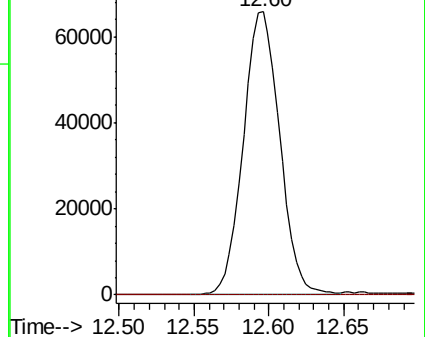
91 100

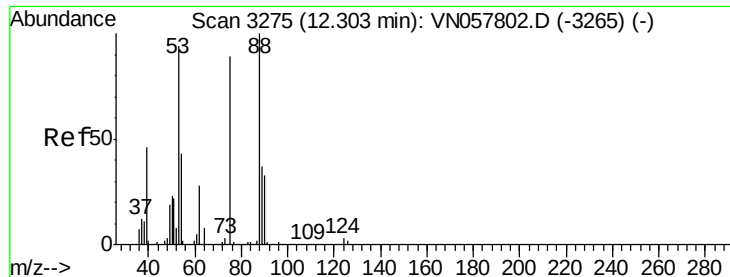
126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.347 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

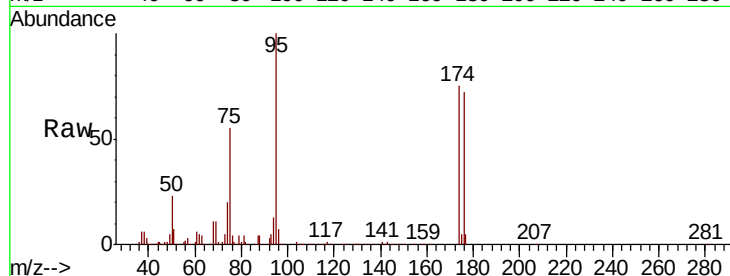
Tgt Ion: 75 Resp: 160596

Ion Ratio Lower Upper

75 100

53 0.2 88.4 132.6#

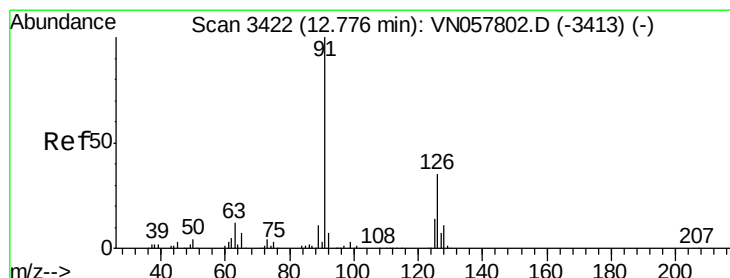
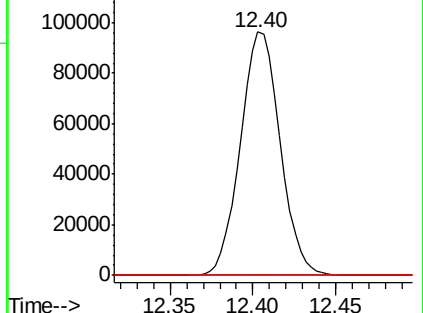
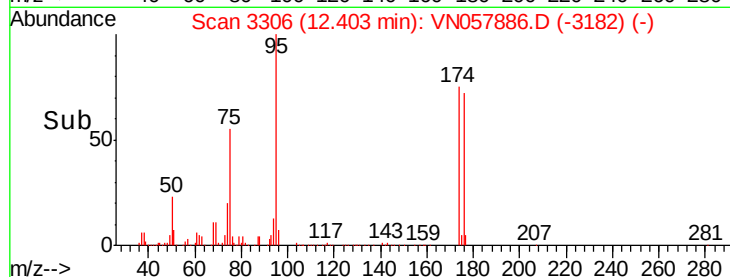
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 7.854 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN057886.D

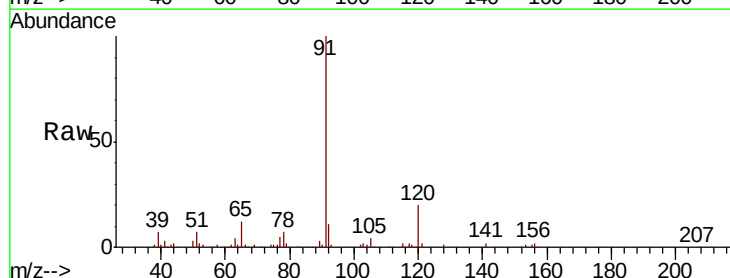
Acq: 11 Sep 2019 00:01

Tgt Ion: 91 Resp: 111974

Ion Ratio Lower Upper

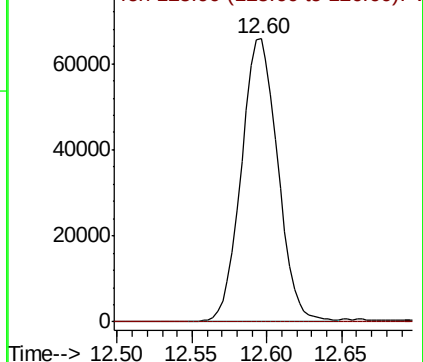
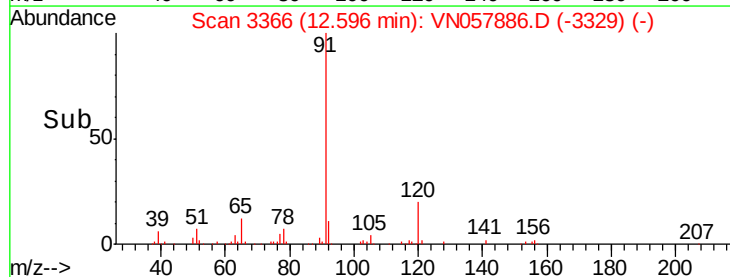
91 100

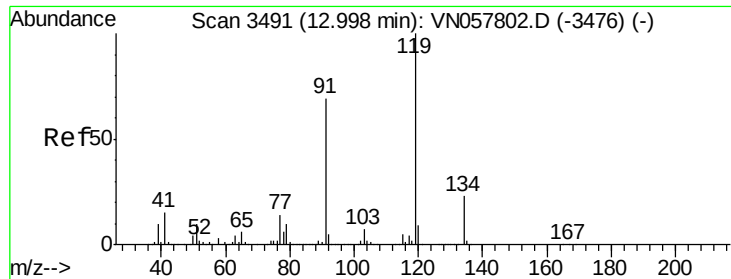
126 0.0 16.0 48.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

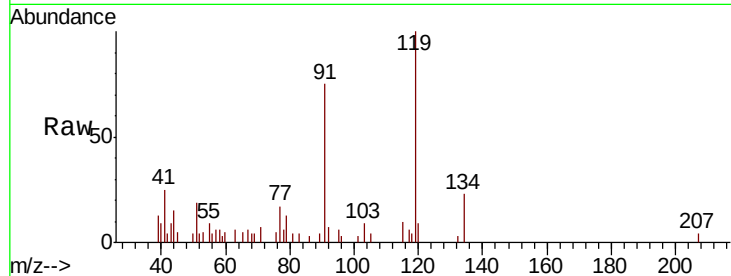




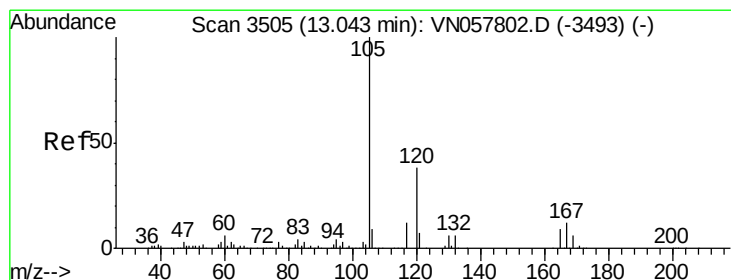
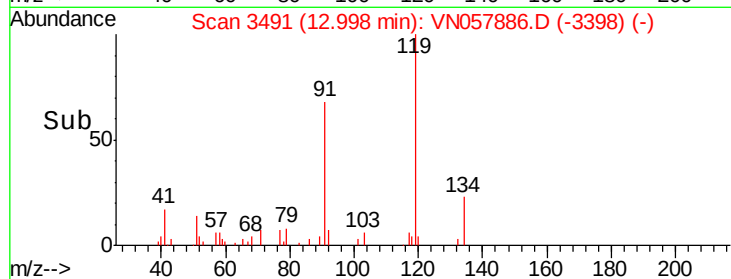
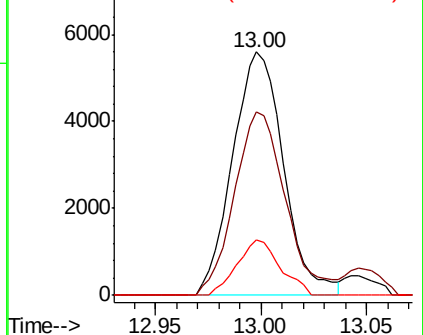
#83
 tert-Butylbenzene
 Concen: 0.655 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-091019-01

Tgt Ion:119 Resp: 9407
 Ion Ratio Lower Upper
 119 100
 91 76.0 33.6 100.8
 134 19.2 11.7 35.0

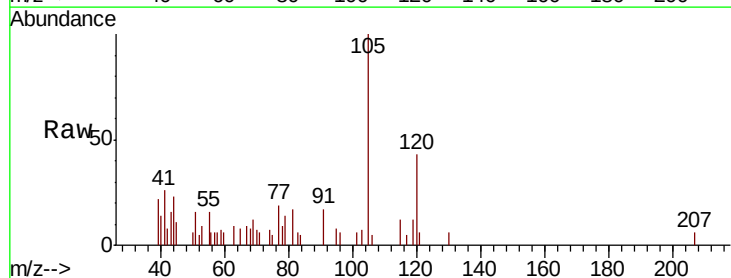


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

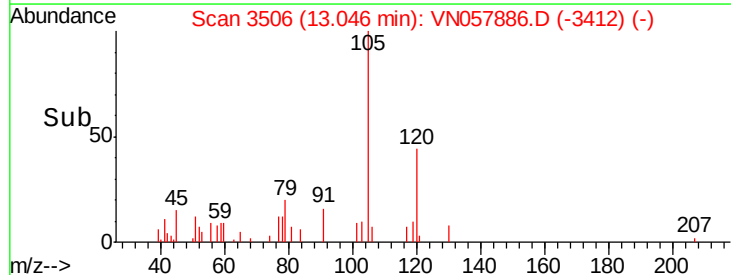
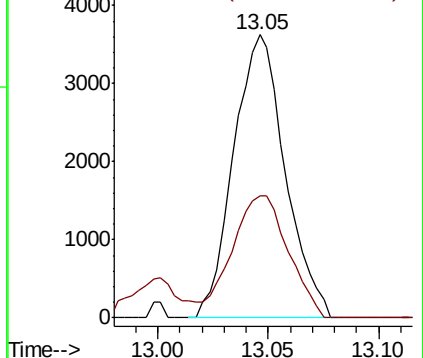


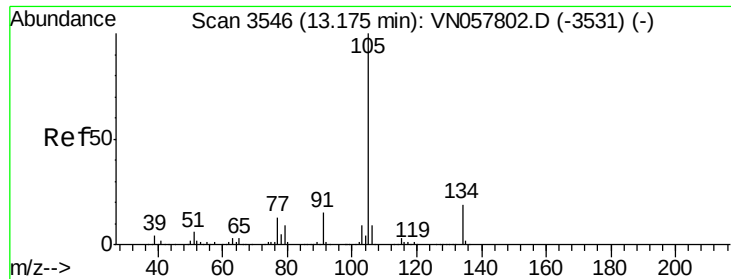
#84
 1,2,4-Trimethylbenzene
 Concen: 0.357 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Tgt Ion:105 Resp: 5870
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.078 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

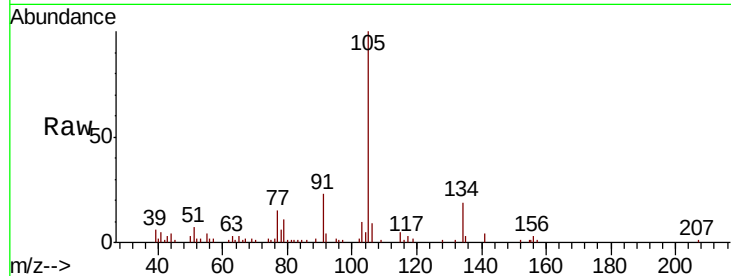
DUP-091019-01

Tgt Ion:105 Resp: 39562

Ion Ratio Lower Upper

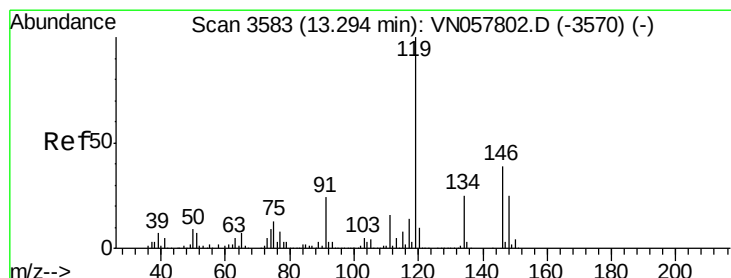
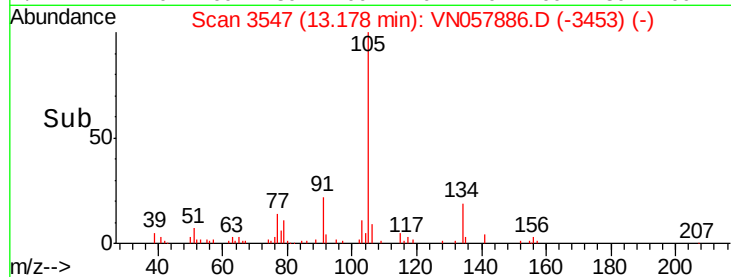
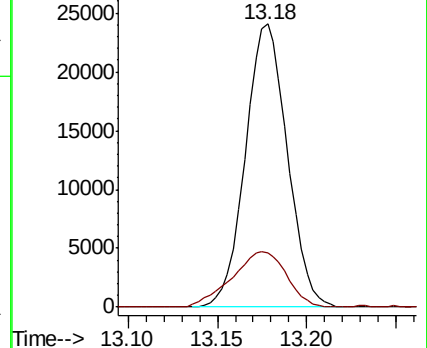
105 100

134 25.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.353 ug/l

RT: 13.45 min Scan# 3631

Delta R.T. 0.15 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

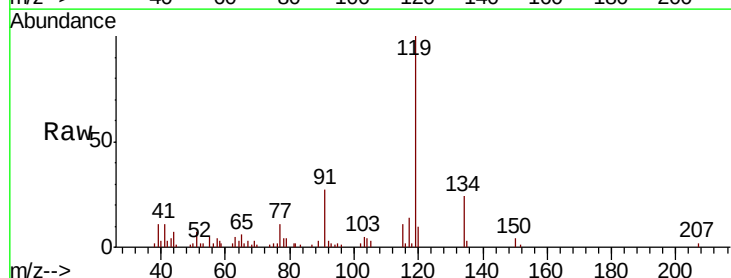
Tgt Ion:119 Resp: 22699

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

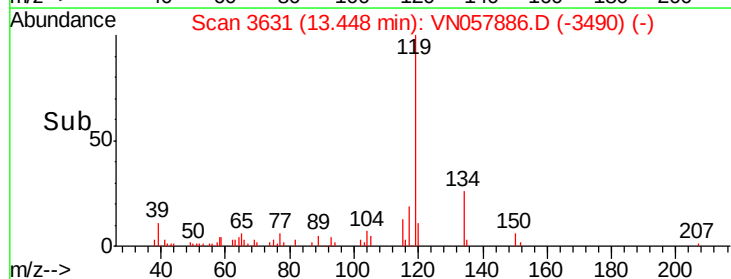
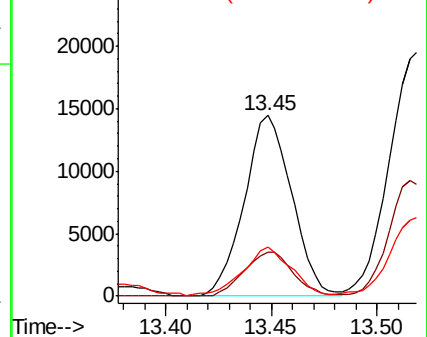
91 27.7 12.3 36.8

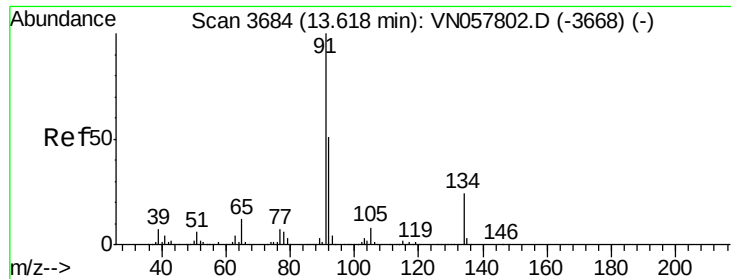


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.702 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

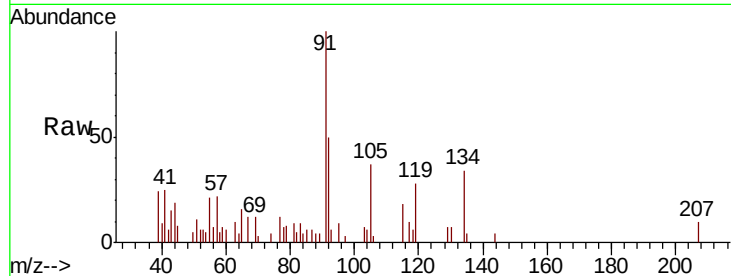
Tgt Ion: 91 Resp: 11127

Ion Ratio Lower Upper

91 100

92 37.6 25.7 77.0

134 0.0 11.9 35.7#

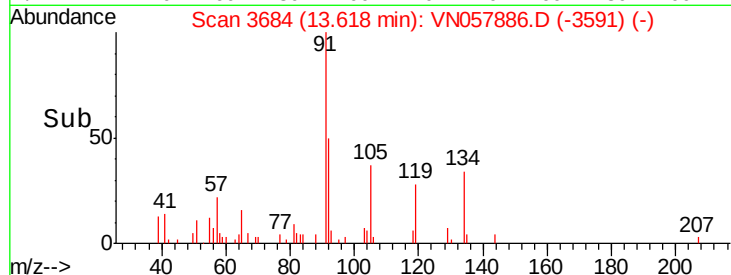


Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)

Time--> 13.55 13.60 13.65

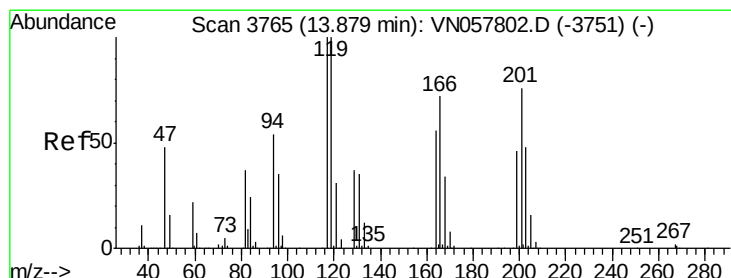


Abundance Ion 91.00 (90.70 to 91.70): VN057886.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN057886.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN057886.D (-3591) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 5.607 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN057886.D

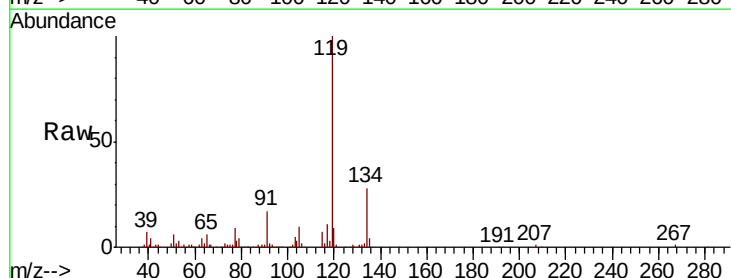
Acq: 11 Sep 2019 00:01

Tgt Ion: 117 Resp: 13991

Ion Ratio Lower Upper

117 100

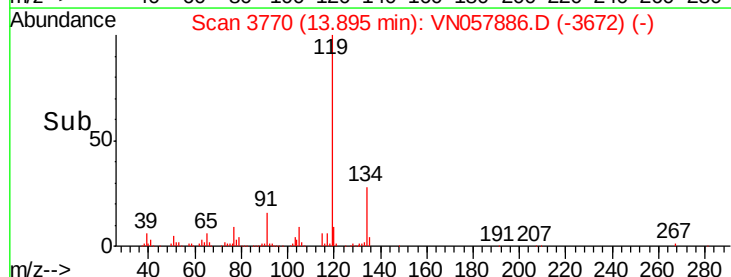
201 0.0 37.5 112.7#



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

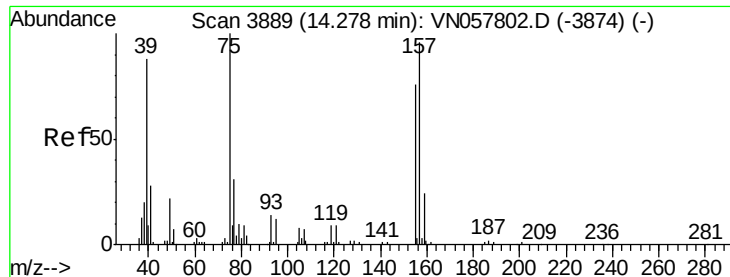
Time--> 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN057886.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN057886.D (-3672) (-)

Time--> 13.85 13.90



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.034 ug/l

RT: 14.22 min Scan# 3871

Delta R.T. -0.06 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-091019-01

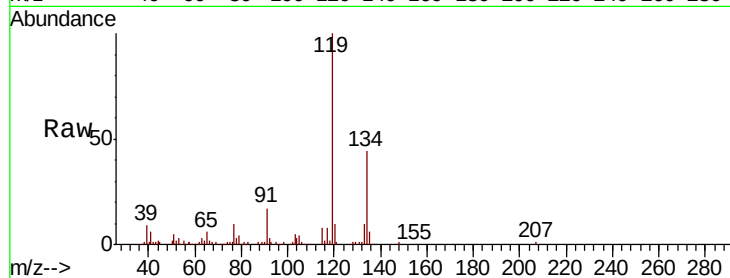
Tgt Ion: 75 Resp: 1100

Ion Ratio Lower Upper

75 100

155 14.4 37.3 111.8#

157 0.0 47.9 143.8#



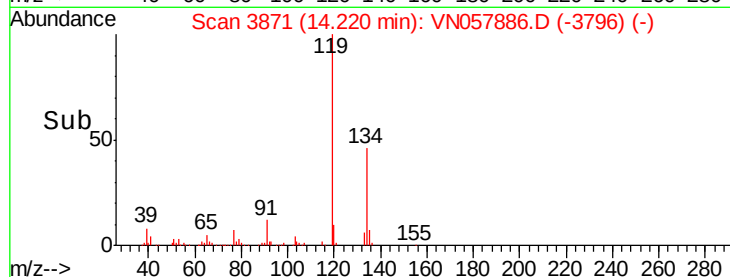
Abundance Ion 74.90 (74.60 to 75.60): VN057886.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN057886.D (-3874) (-)

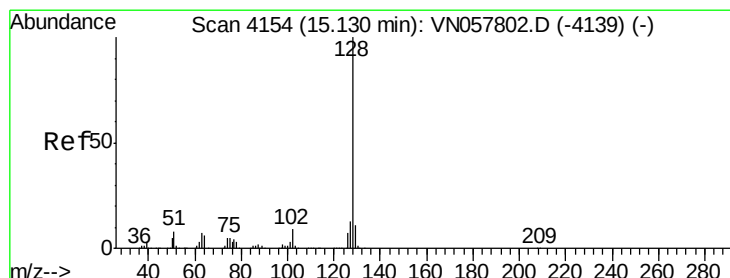
Ion 156.80 (156.50 to 157.50): VN057886.D (-3874) (-)

14.22

14.25



Time-->



#95

Naphthalene

Concen: 2.399 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057886.D

Acq: 11 Sep 2019 00:01

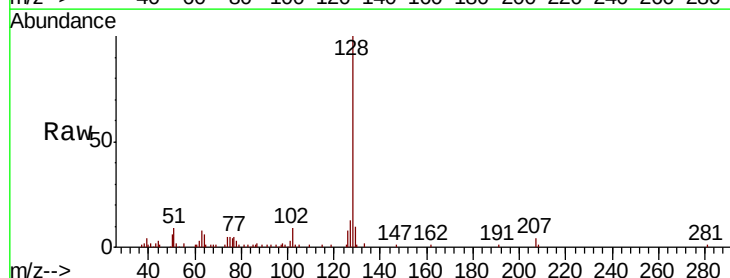
Tgt Ion: 128 Resp: 56198

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 10.1 8.6 12.8



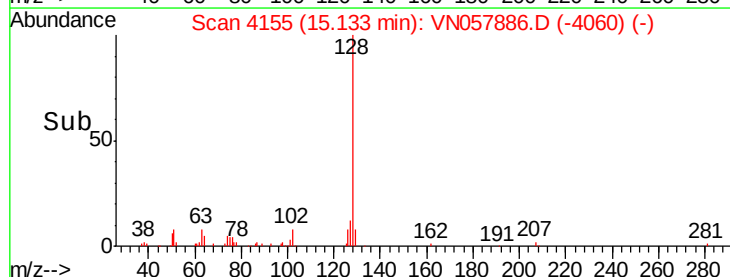
Abundance Ion 128.00 (127.70 to 128.70): VN057886.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN057886.D (-4060) (-)

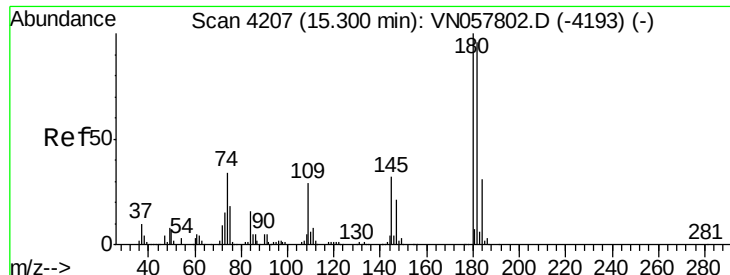
Ion 129.00 (128.70 to 129.70): VN057886.D (-4060) (-)

15.13

15.15



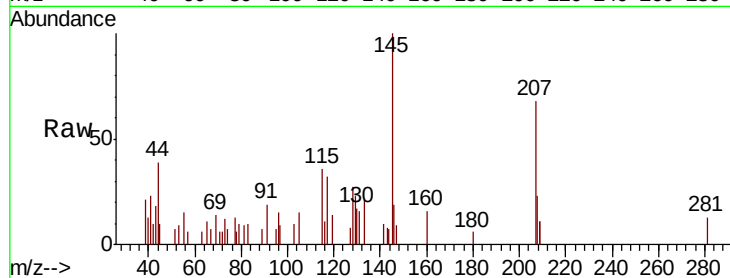
Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 1.004 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN057886.D
 Acq: 11 Sep 2019 00:01

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-091019-01

Tgt Ion:180 Resp: 29
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.8#
 145 36217.2 16.3 48.8#



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

