

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059640.D
 Acq On : 17 Dec 2019 21:00
 Operator : JC/SP
 Sample : K6309-01 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30784

Quant Time: Dec 18 05:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	270545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	354657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	186345	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	7.57	113	137494	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.08	98	484039	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	
62) 4-Bromofluorobenzene	12.40	95	179680	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

Target Compounds

					Qvalue
8) Diethyl Ether	3.38	74	4426	2.454	ug/l 95
11) Tert butyl alcohol	4.75	59	51950	71.978	ug/l # 94
16) Acetone	3.79	43	111168	47.562	ug/l 93
17) Carbon Disulfide	4.02	76	2810	2.148	ug/l # 92
18) Methyl Acetate	4.30	43	18314	3.739	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	2027	0.202	ug/l # 1
20) Methylene Chloride	4.51	84	2211	0.655	ug/l # 94
22) Diisopropyl ether	5.92	45	27173	2.530	ug/l # 1
23) Vinyl Acetate	5.91	43	2094	0.248	ug/l # 74
25) 2-Butanone	6.81	43	36937	13.215	ug/l 98
29) Tetrahydrofuran	7.19	42	6333	3.719	ug/l # 89
31) Cyclohexane	7.63	56	16276	2.831	ug/l # 63
36) 1,1-Dichloropropene	7.64	75	22160	4.621	ug/l # 51
37) Ethyl Acetate	6.81	43	36937	6.627	ug/l # 69
38) Carbon Tetrachloride	7.64	117	25973	5.220	ug/l # 17
39) Methylcyclohexane	9.07	83	10967	2.016	ug/l 98
40) Benzene	8.02	78	1839213	131.244	ug/l 100
41) Methacrylonitrile	7.19	41	5559	2.417	ug/l # 100
42) 1,2-Dichloroethane	8.02	62	15461	2.881	ug/l 78
43) Isopropyl Acetate	7.99	43	372741	43.016	ug/l # 56
45) 1,2-Dichloropropane	8.83	63	1164	0.308	ug/l # 44
48) Methyl methacrylate	9.15	41	27204	6.920	ug/l # 40
49) 1,4-Dioxane	9.18	88	622	11.040	ug/l # 22
51) 4-Methyl-2-Pentanone	9.97	43	21789	4.217	ug/l 99
52) Toluene	10.14	92	1020424	118.509	ug/l 98
53) t-1,3-Dichloropropene	10.44	75	1162	0.203	ug/l 93
57) 1,3-Dichloropropane	10.45	76	2116	0.360	ug/l # 42
58) 2-Chloroethyl Vinyl ether	9.81	63	1199	0.752	ug/l # 55
59) 2-Hexanone	10.75	43	8347	2.050	ug/l 86
67) Ethyl Benzene	11.50	91	81281	5.868	ug/l 98
68) m/p-Xylenes	11.61	106	221402	43.285	ug/l 99
69) o-Xylene	11.94	106	65463	13.450	ug/l 98
70) Styrene	11.94	104	3608	0.461	ug/l # 1
73) Isopropylbenzene	12.24	105	8616	0.564	ug/l 94

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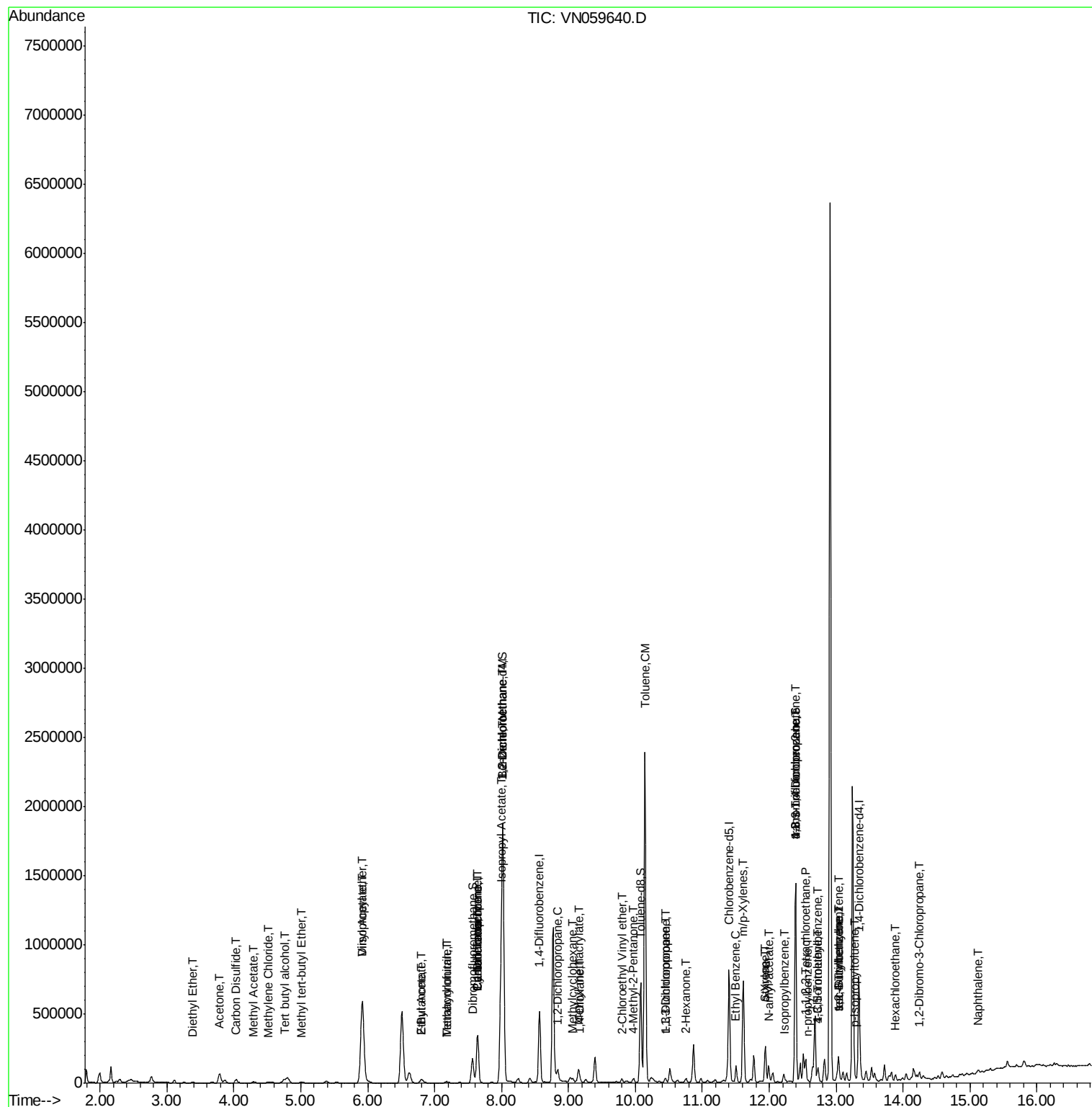
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	11.99	43	18651	2.660	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.54	83	15078	3.110	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	95712	19.857	ug/l #	100
78) n-propylbenzene	12.59	91	8327	0.461	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	48181	3.725	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	95712	49.045	ug/l #	19
82) 4-Chlorotoluene	12.73	91	5434	0.486	ug/l #	42
83) tert-Butylbenzene	13.04	119	12305	1.123	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	102603	7.978	ug/l	98
85) sec-Butylbenzene	13.04	105	102603	7.042	ug/l #	57
86) p-Isopropyltoluene	13.29	119	4697	0.356	ug/l #	74
90) Hexachloroethane	13.89	117	2092	0.839	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.25	75	340	1.866	ug/l #	6
95) Naphthalene	15.12	128	15502	1.180	ug/l	97

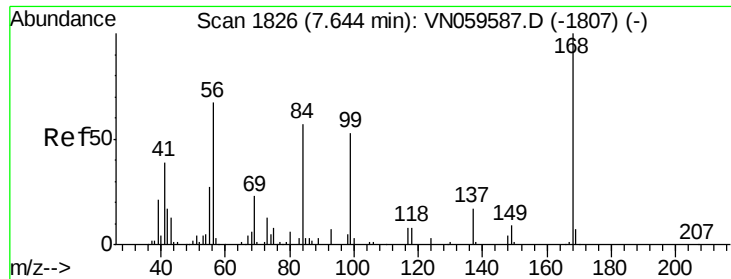
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

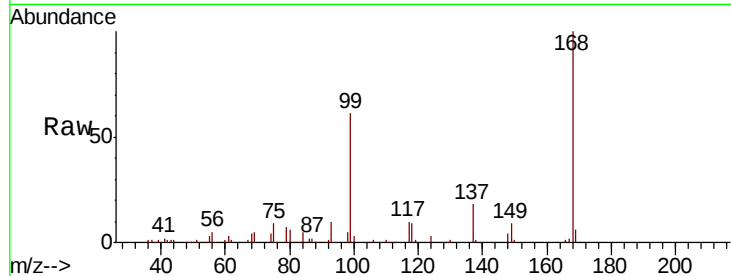
30784

Tot Ion:168 Resp: 270545

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

120000

100000

80000

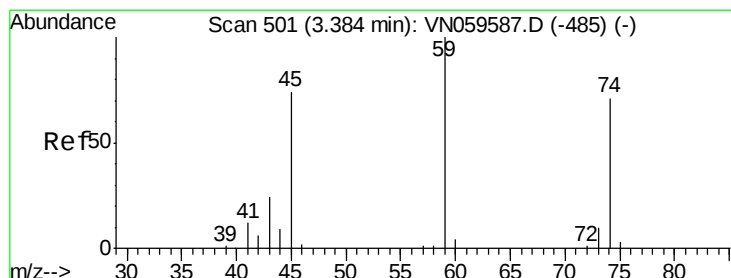
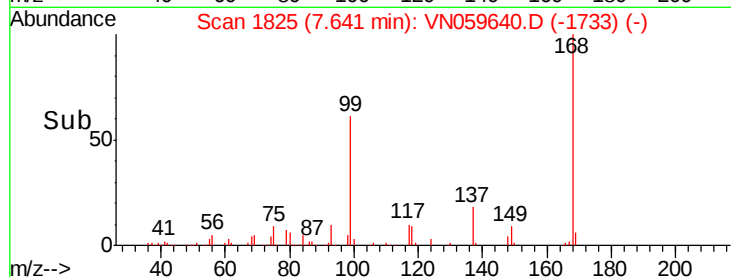
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 2.454 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN059640.D

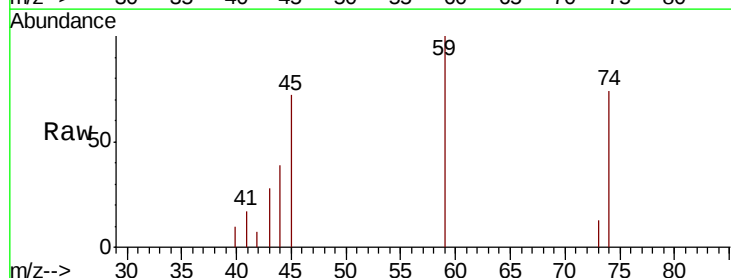
Acq: 17 Dec 2019 21:00

Tgt Ion: 74 Resp: 4426

Ion Ratio Lower Upper

74 100

45 99.2 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN059587.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN059587.D (-485) (-)

3.38

2000

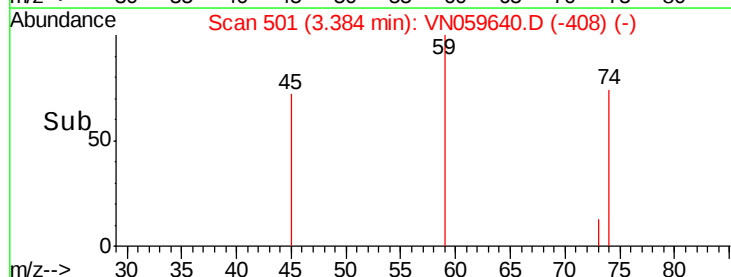
1500

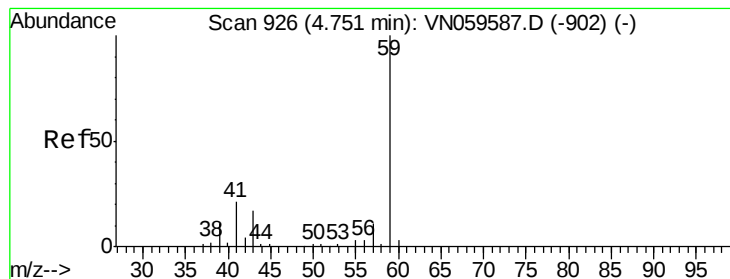
1000

500

0

Time--> 3.35 3.40 3.45





#11

Tert butyl alcohol

Concen: 71.978 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

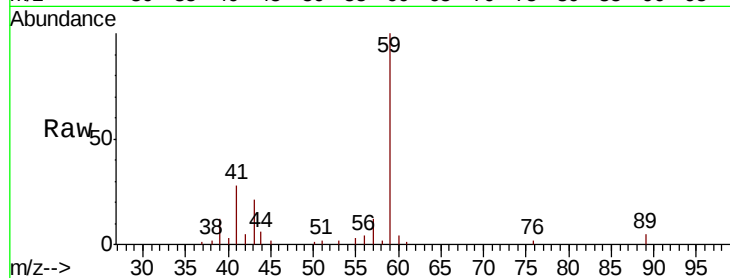
30784

Tot Ion: 59 Resp: 51950

Ion Ratio Lower Upper

59 100

57 8.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN059587.D (-902) (-)

15000

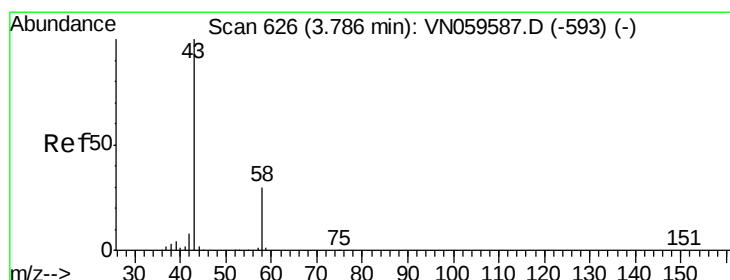
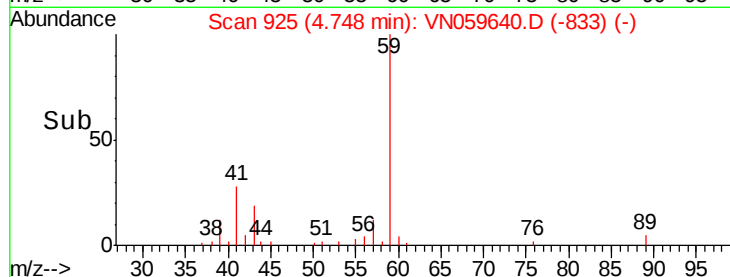
4.75

10000

5000

0

Time-->



#16

Acetone

Concen: 47.562 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059640.D

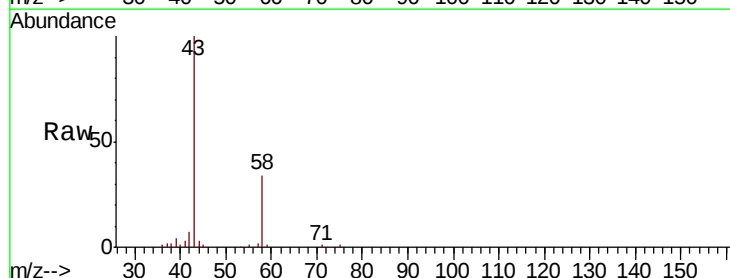
Acq: 17 Dec 2019 21:00

Tgt Ion: 43 Resp: 111168

Ion Ratio Lower Upper

43 100

58 33.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

40000

3.79

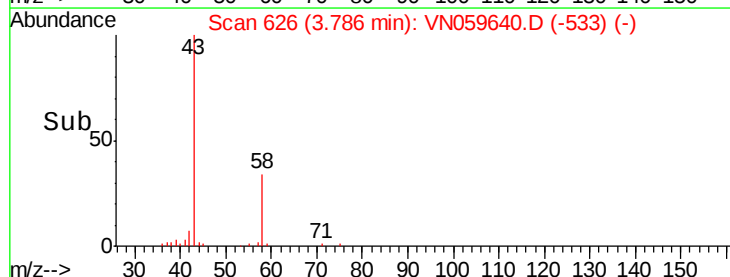
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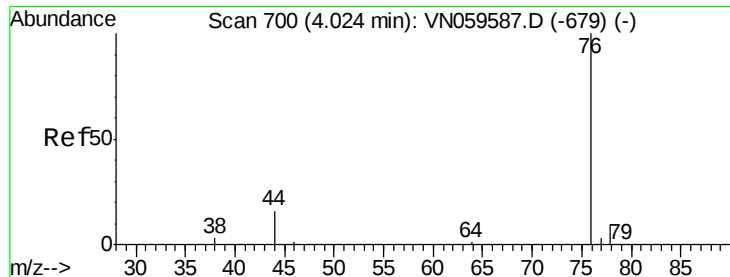
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 2.148 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

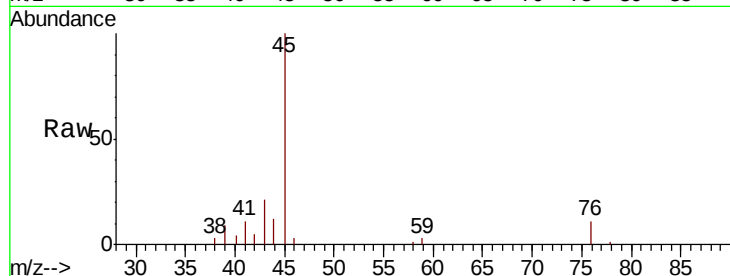
30784

Tot Ion: 76 Resp: 2810

Ion Ratio Lower Upper

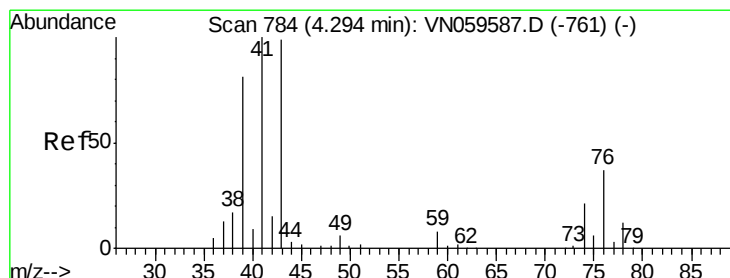
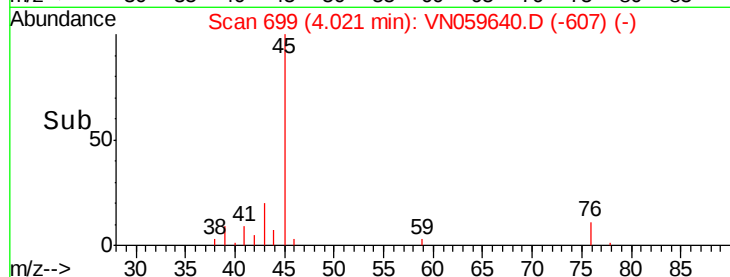
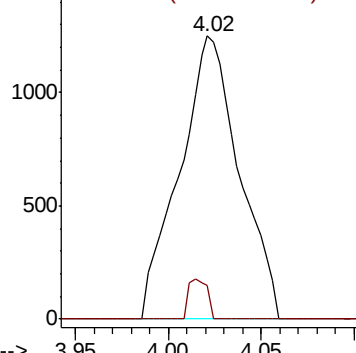
76 100

78 12.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 3.739 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059640.D

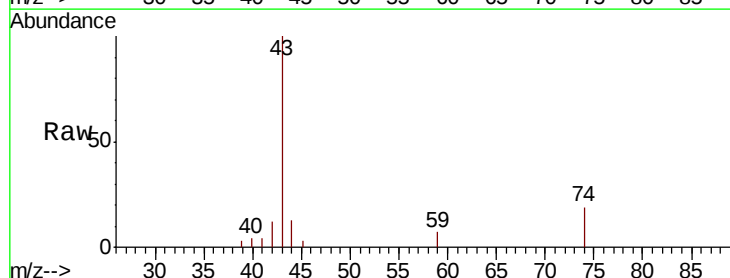
Acq: 17 Dec 2019 21:00

Tgt Ion: 43 Resp: 18314

Ion Ratio Lower Upper

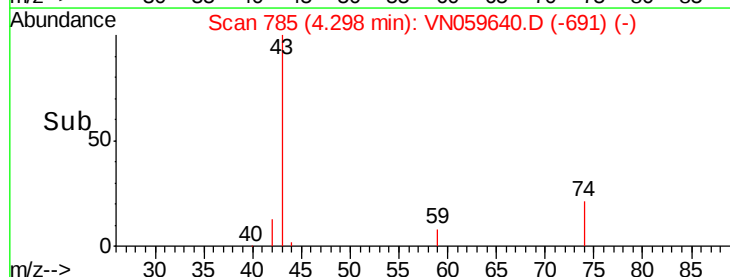
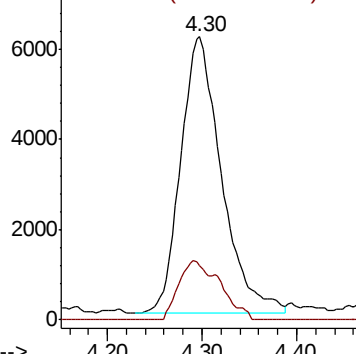
43 100

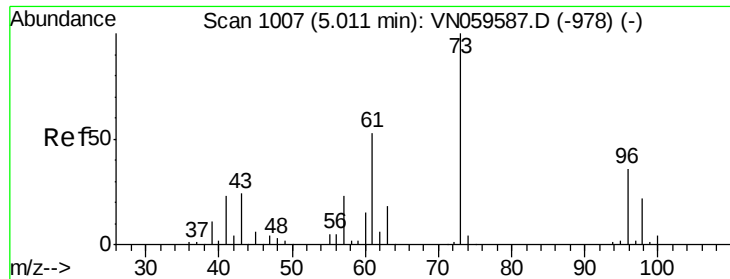
74 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

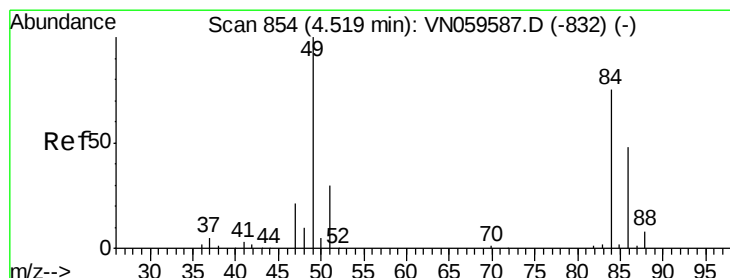
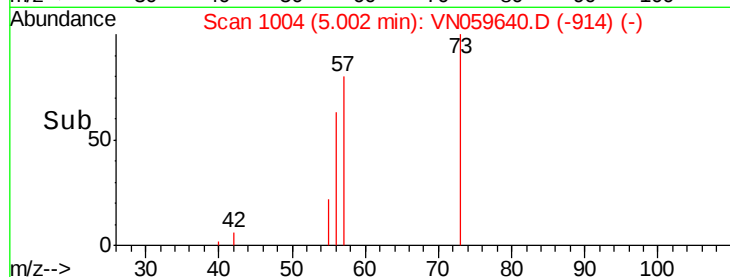
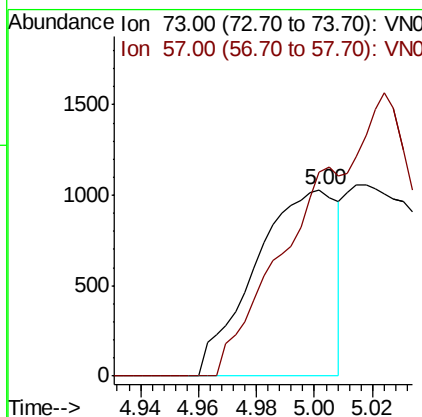
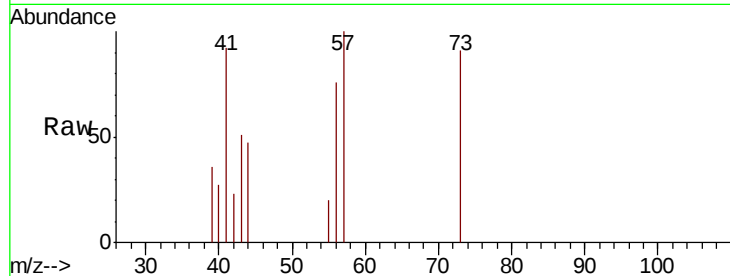




#19
Methvl tert-butvl Ether
Concen: 0.202 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

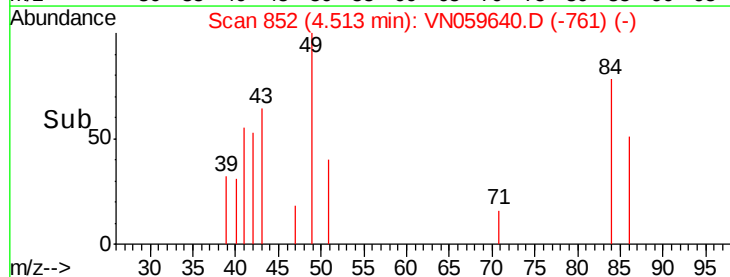
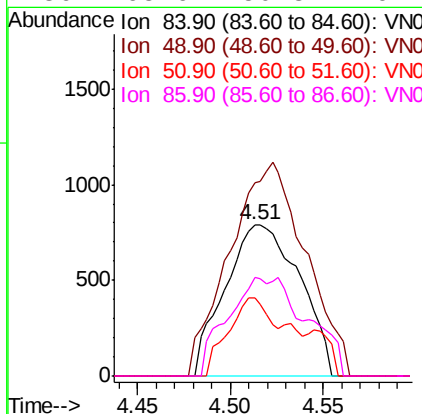
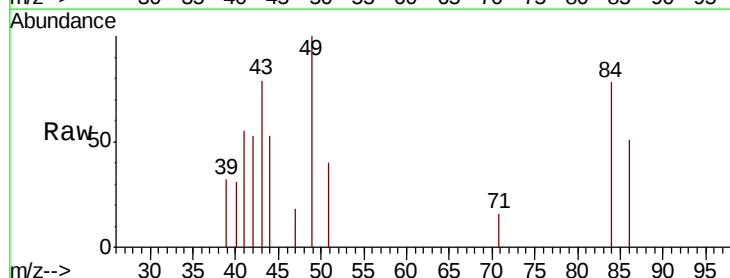
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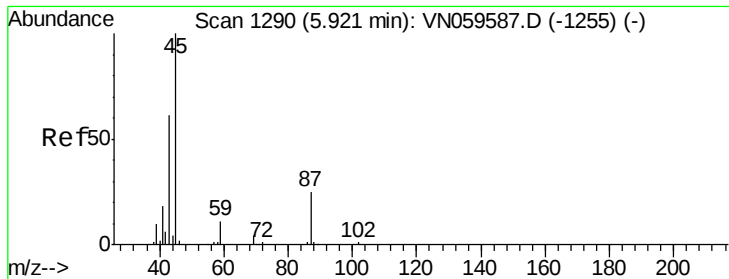
Tot Ion: 73 Resp: 2027
Ion Ratio Lower Upper
73 100
57 109.7 18.6 27.8#



#20
Methylene Chloride
Concen: 0.655 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Tgt Ion: 84 Resp: 2211
Ion Ratio Lower Upper
84 100
49 128.1 106.6 160.0
51 51.4 31.9 47.9#
86 65.6 50.8 76.2

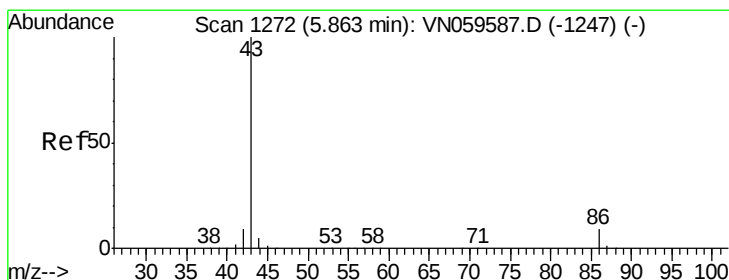
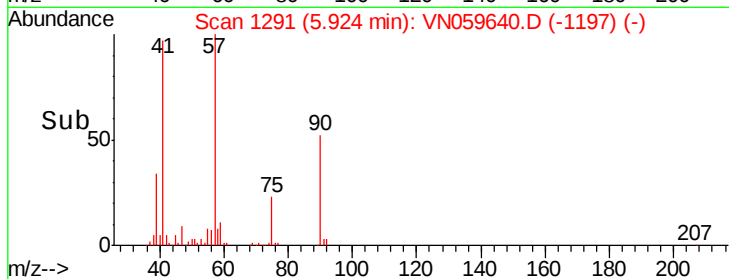
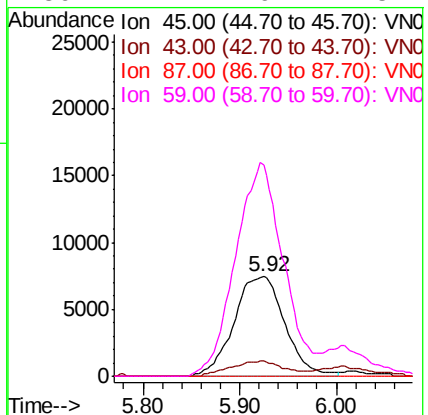
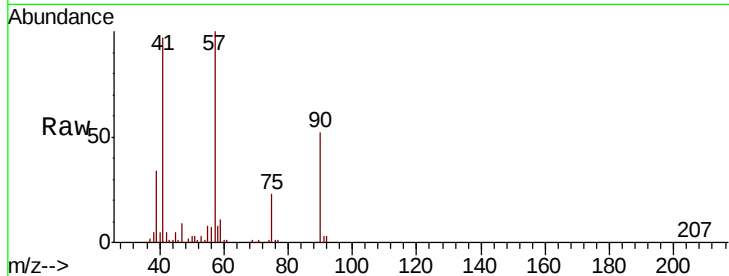




#22
Diisopropyl ether
Concen: 2.530 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

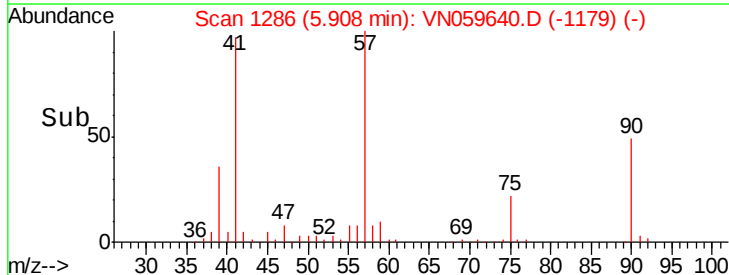
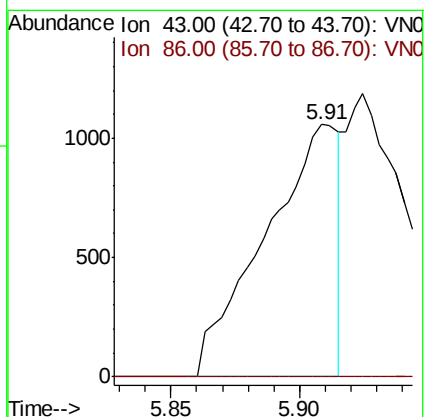
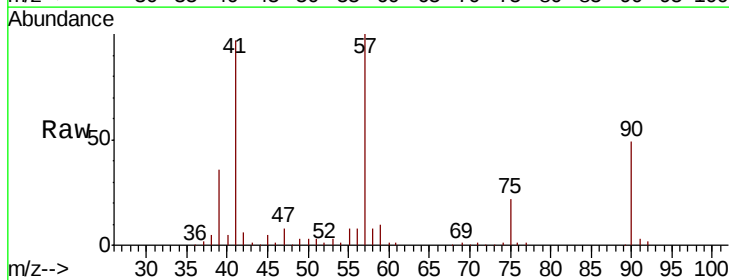
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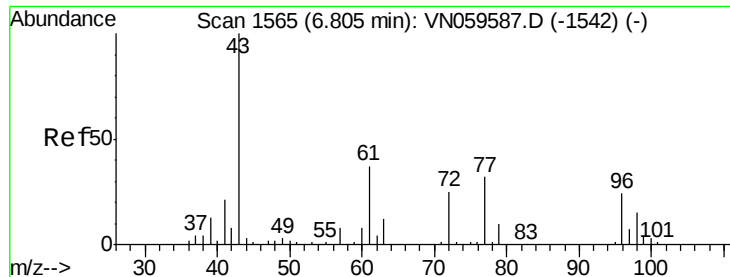
Tot Ion: 45 Resp: 27173
Ion Ratio Lower Upper
45 100
43 15.9 50.8 76.2#
87 0.0 21.0 31.6#
59 212.4 9.1 13.7#



#23
Vinyl Acetate
Concen: 0.248 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. 0.05 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
86 0.0 7.6 11.4#





#25

2-Butanone

Concen: 13.215 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

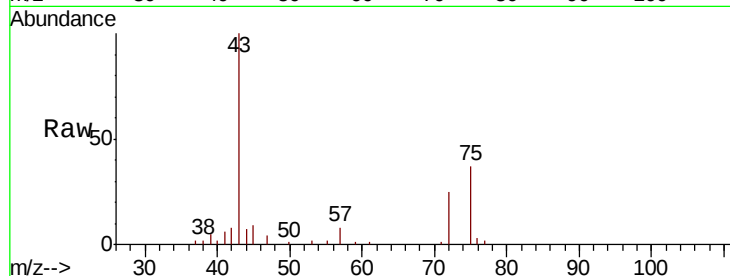
30784

Tot Ion: 43 Resp: 36937

Ion Ratio Lower Upper

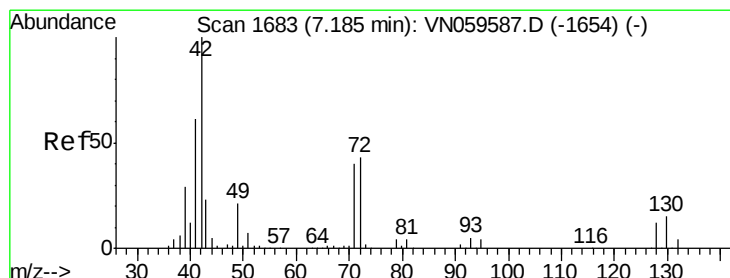
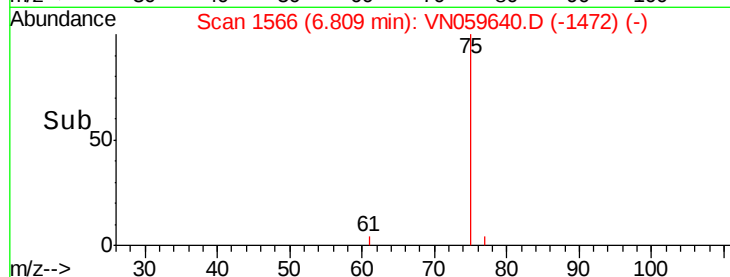
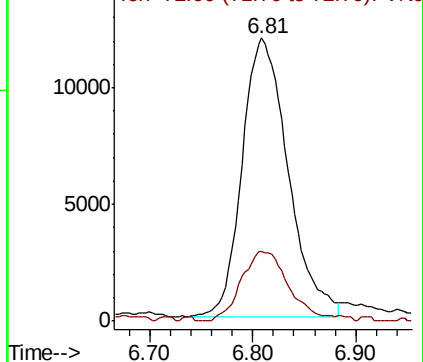
43 100

72 23.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 3.719 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

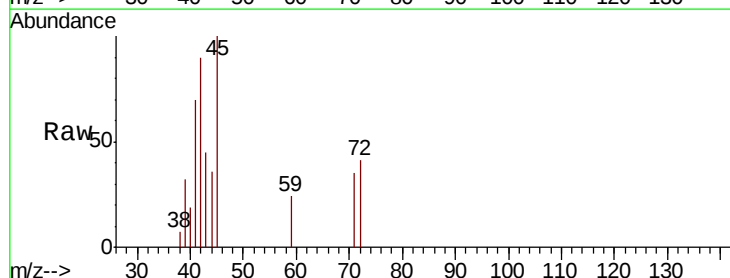
Tgt Ion: 42 Resp: 6333

Ion Ratio Lower Upper

42 100

72 35.8 33.1 49.7

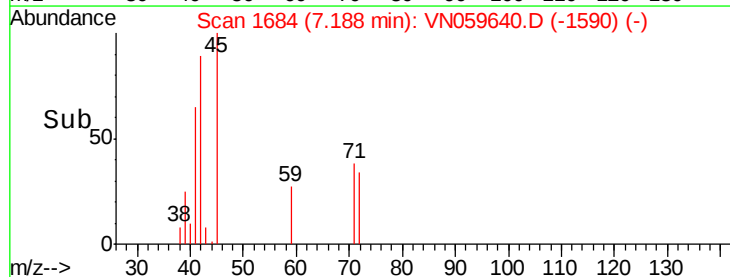
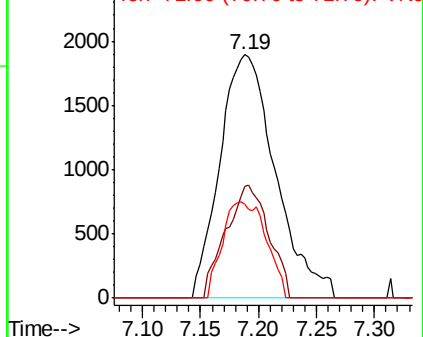
71 30.9 31.4 47.0#

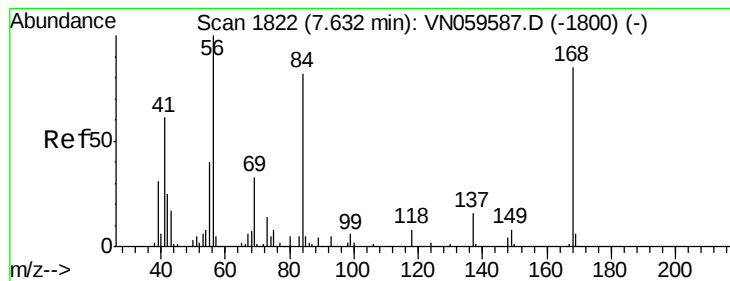


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 2.831 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

30784

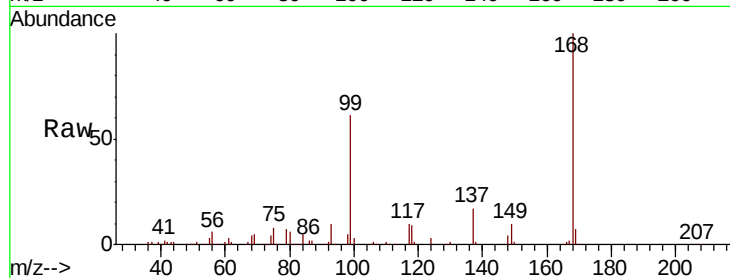
Tot Ion: 56 Resp: 16276

Ion Ratio Lower Upper

56 100

69 85.2 26.5 39.7#

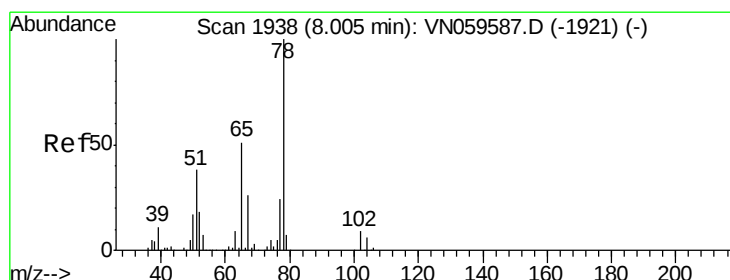
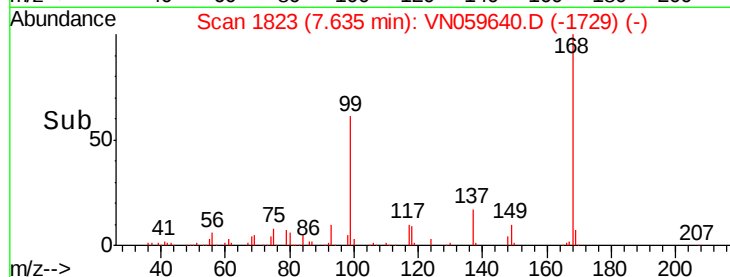
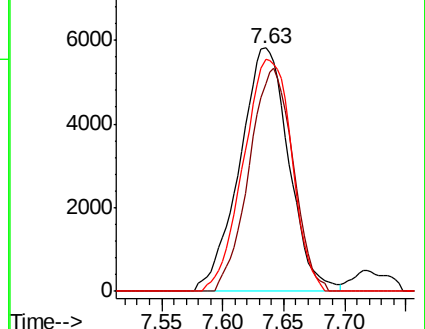
84 95.1 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059640.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059640.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059640.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.334 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059640.D

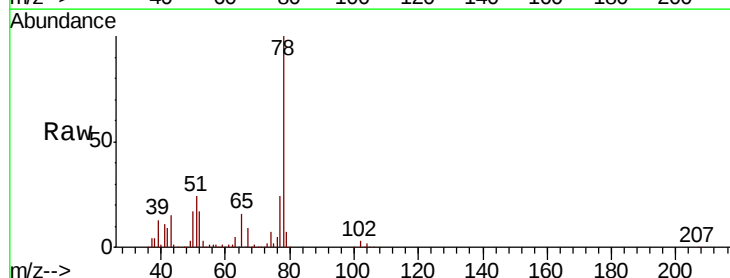
Acq: 17 Dec 2019 21:00

Tgt Ion: 65 Resp: 186345

Ion Ratio Lower Upper

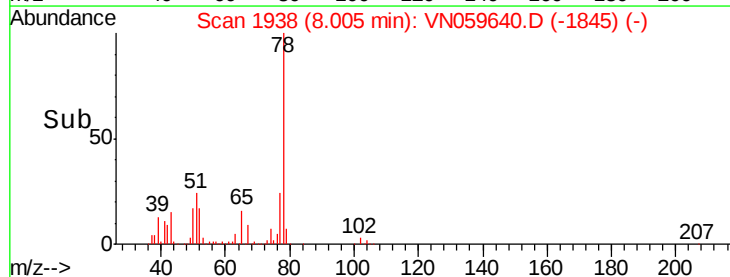
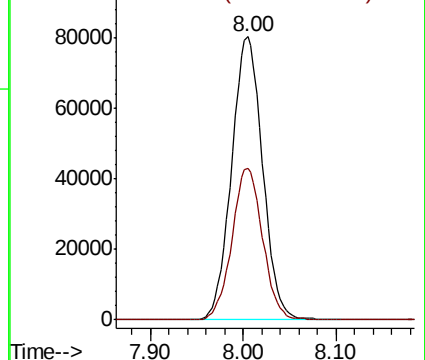
65 100

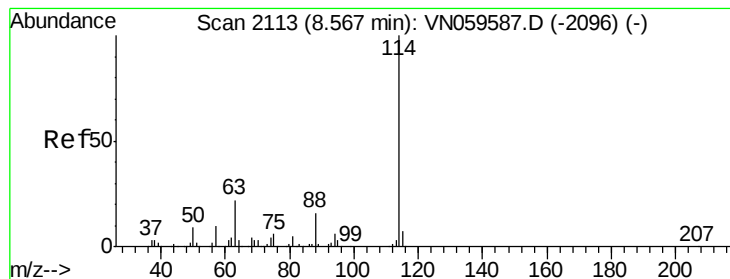
67 53.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059640.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059640.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

30784

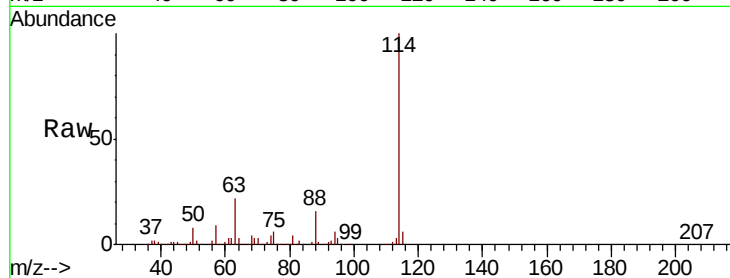
Tot Ion:114 Resp: 459825

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.6

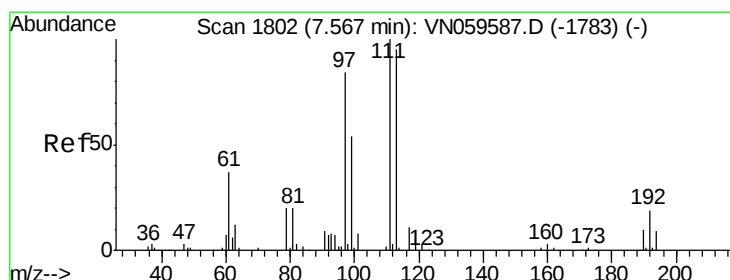
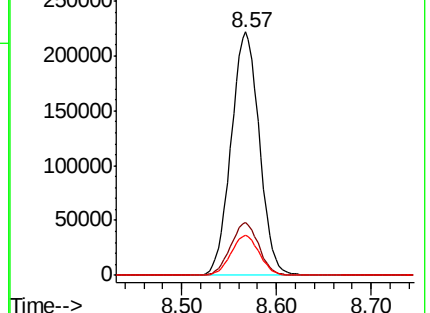
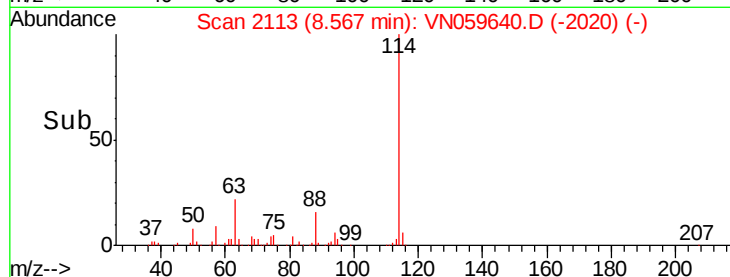
88 16.5 0.0 31.4



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: 47.790 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

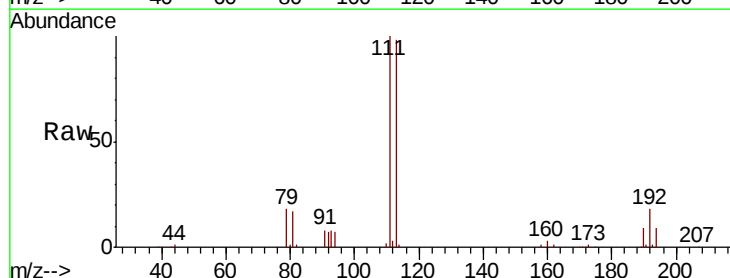
Tgt Ion:113 Resp: 137494

Ion Ratio Lower Upper

113 100

111 103.3 83.5 125.3

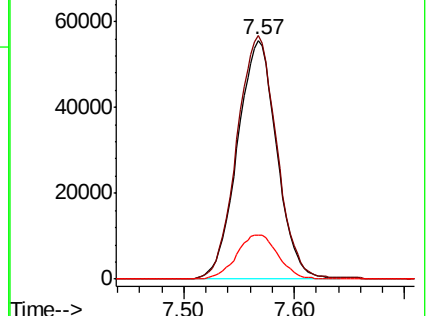
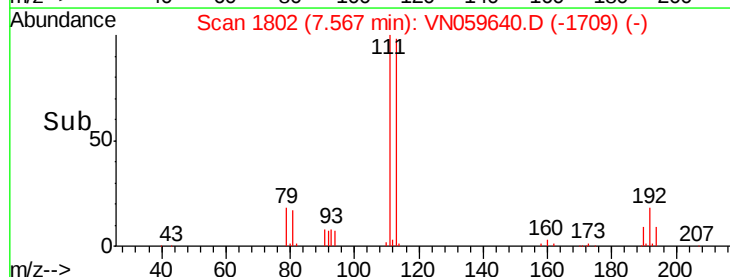
192 19.4 15.4 23.2

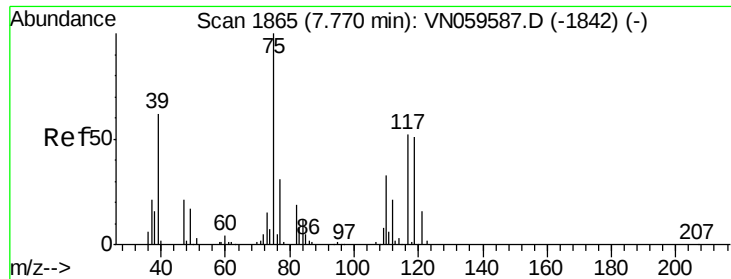


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

30784

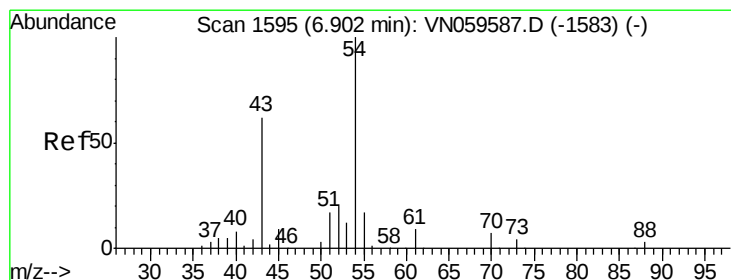
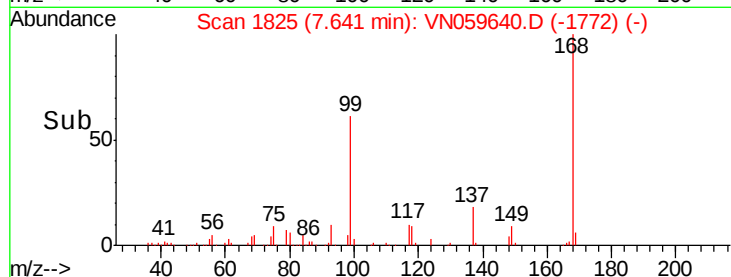
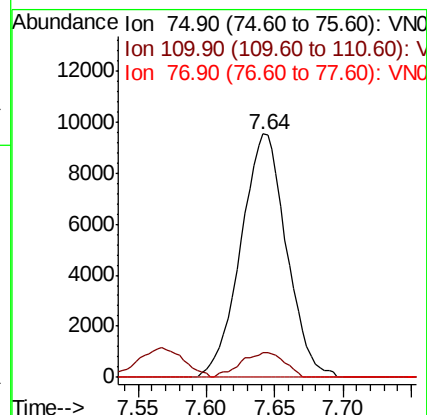
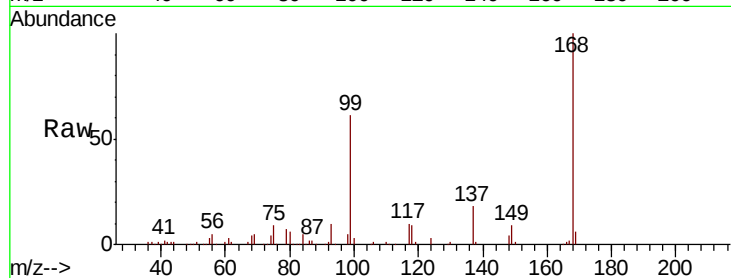
Tot Ion: 75 Resp: 22160

Ion Ratio Lower Upper

75 100

110 9.7 16.6 49.7#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 6.627 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

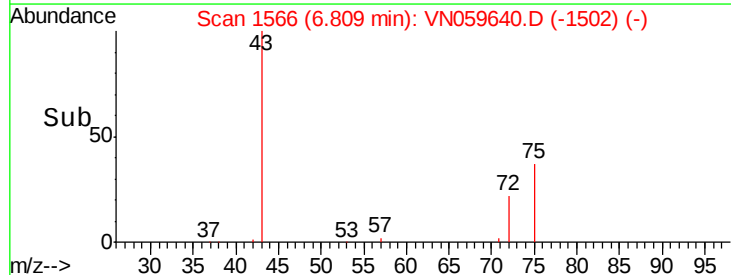
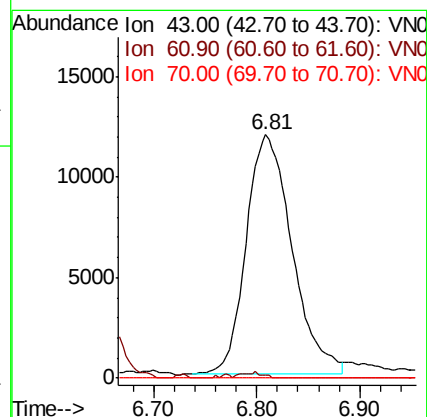
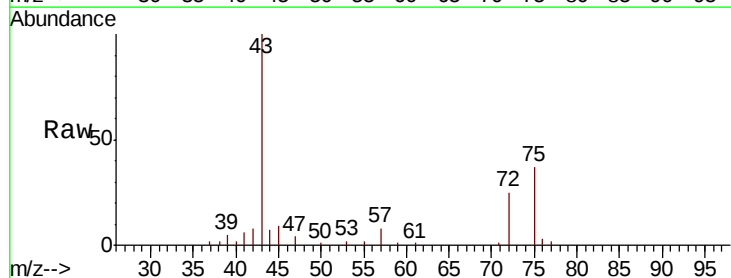
Tgt Ion: 43 Resp: 36937

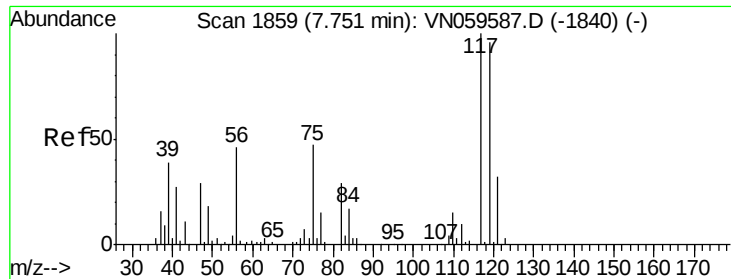
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

30784

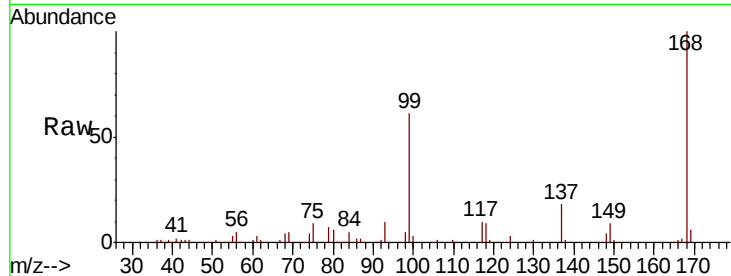
Tot Ion:117 Resp: 25973

Ion Ratio Lower Upper

117 100

119 5.9 76.5 114.7#

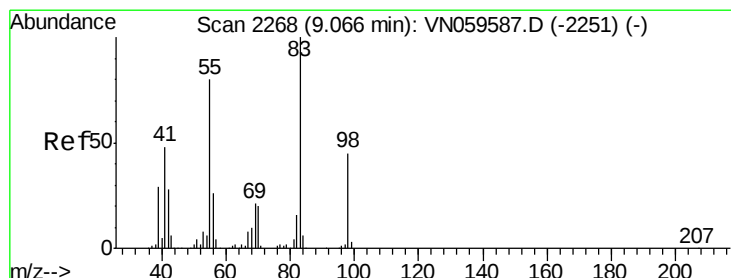
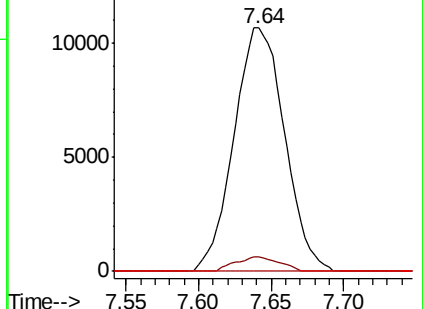
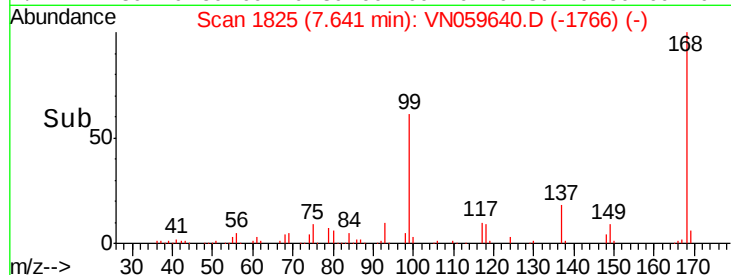
121 0.0 25.1 37.7#



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: 2.016 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

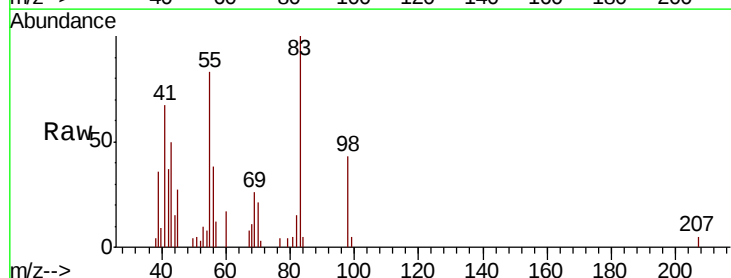
Tgt Ion: 83 Resp: 10967

Ion Ratio Lower Upper

83 100

55 78.7 64.2 96.2

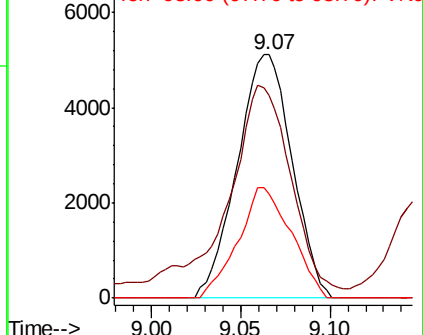
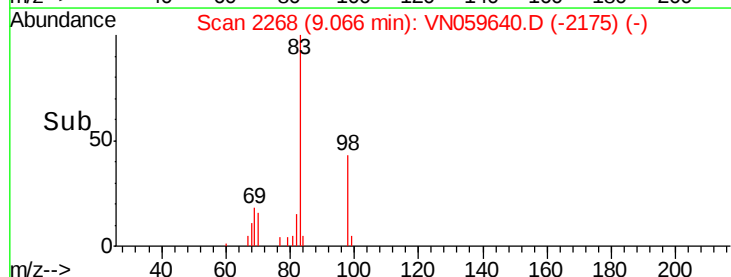
98 42.8 35.9 53.9

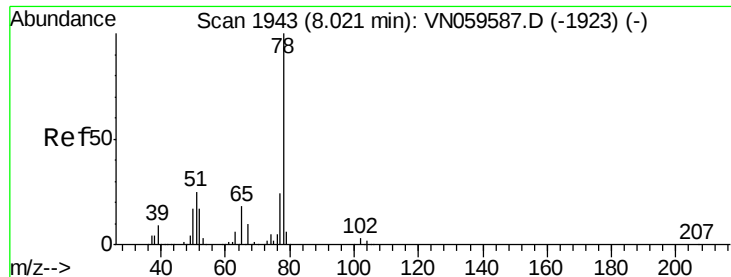


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 131.244 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

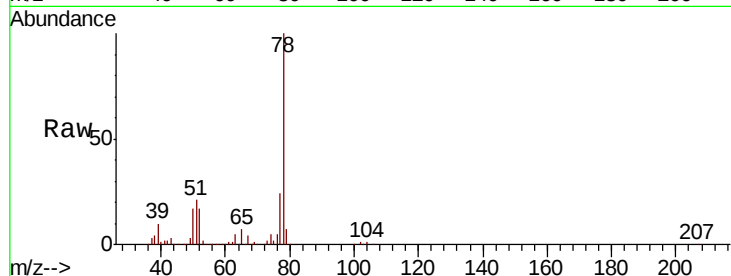
30784

Tot Ion: 78 Resp: 1839213

Ion Ratio Lower Upper

78 100

77 23.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN059587.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-1923) (-)

8.02

800000

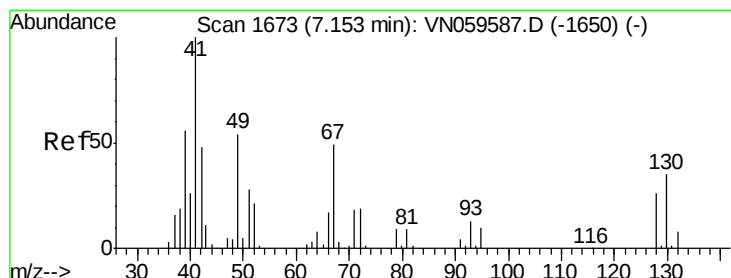
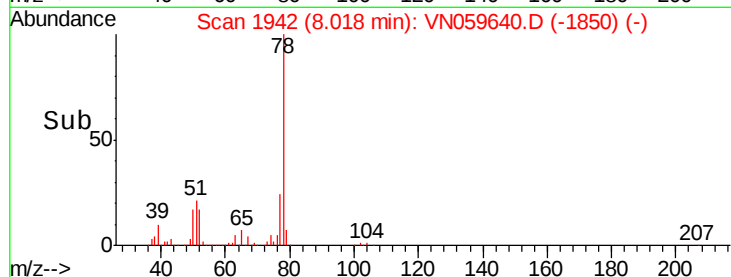
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 2.417 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.04 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Tgt Ion: 41 Resp: 5559

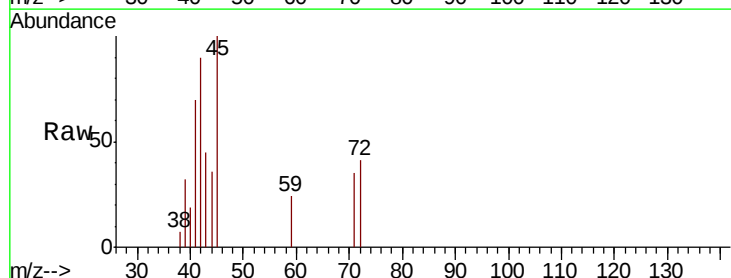
Ion Ratio Lower Upper

41 100

39 19.4 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN059587.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-1650) (-)

2000

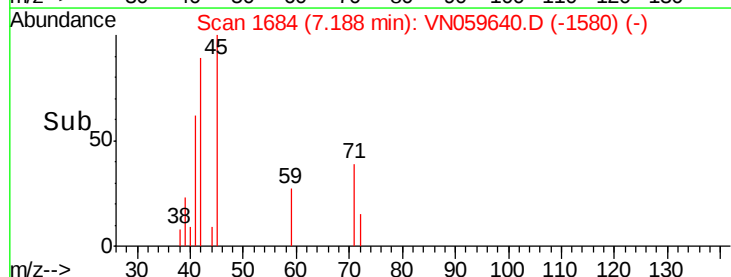
1500

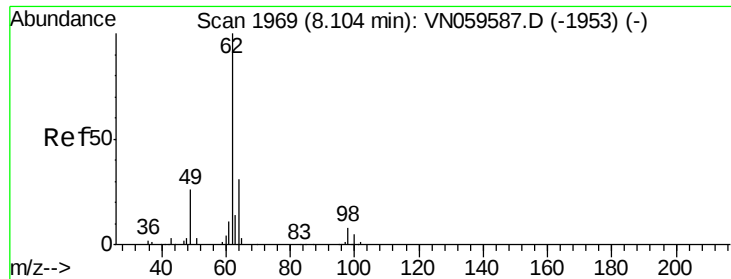
1000

500

0

Time-->





#42

1,2-Dichloroethane

Concen: 2.881 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.09 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

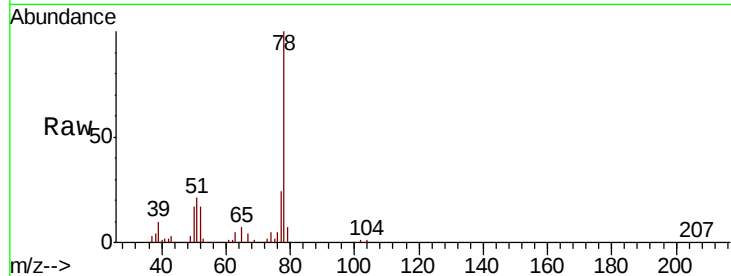
30784

Tot Ion: 62 Resp: 15461

Ion Ratio Lower Upper

62 100

98 0.2 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.02

6000

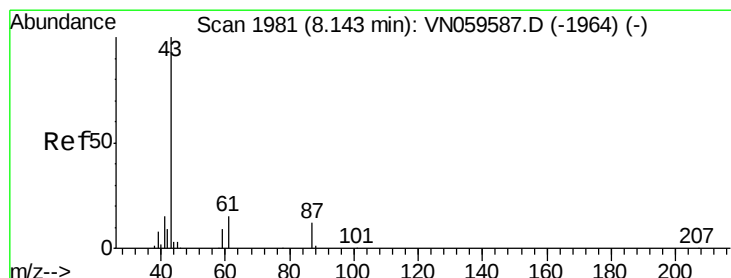
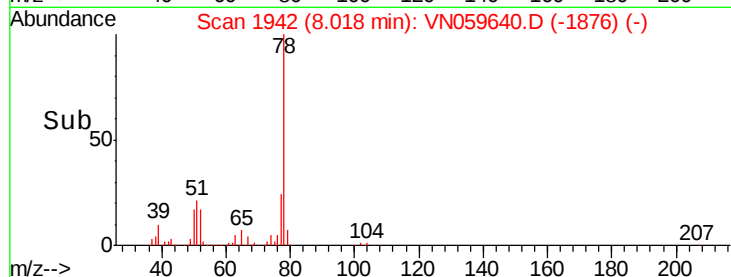
4000

2000

0

7.95 8.00 8.05 8.10

Time-->



#43

Isopropyl Acetate

Concen: 43.016 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.16 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

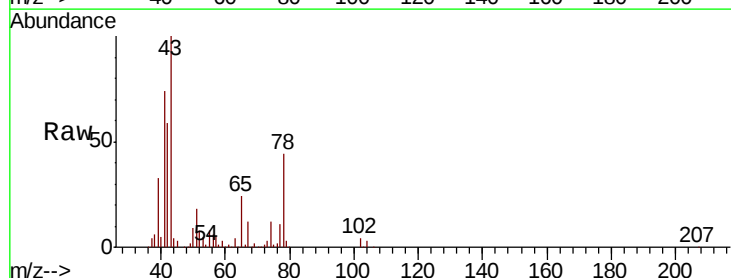
Tgt Ion: 43 Resp: 372741

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

7.99

200000

150000

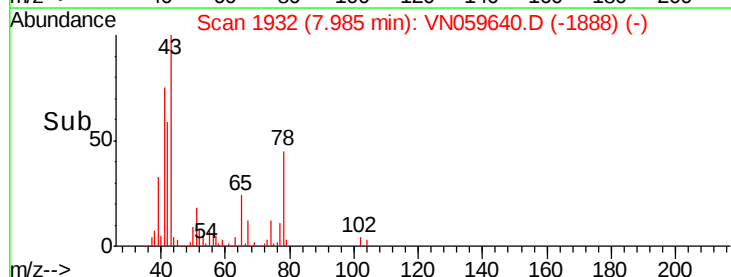
100000

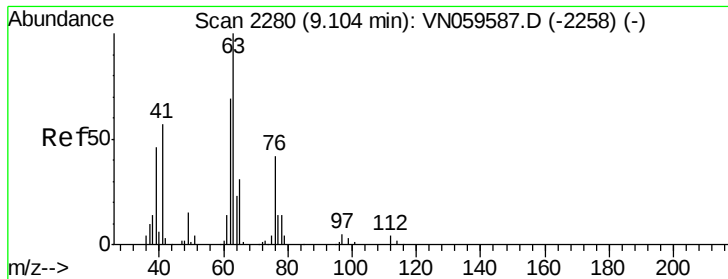
50000

0

7.90 8.00 8.10

Time-->





#45

1,2-Dichloropropane

Concen: 0.308 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.27 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

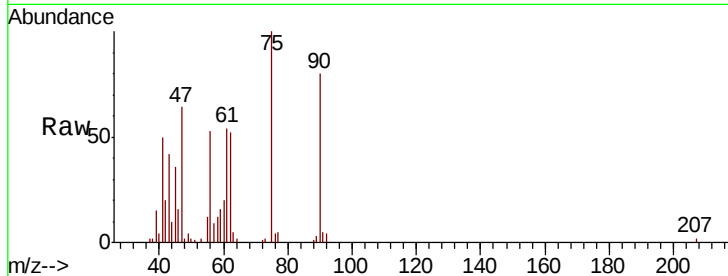
30784

Tot Ion: 63 Resp: 1164

Ion Ratio Lower Upper

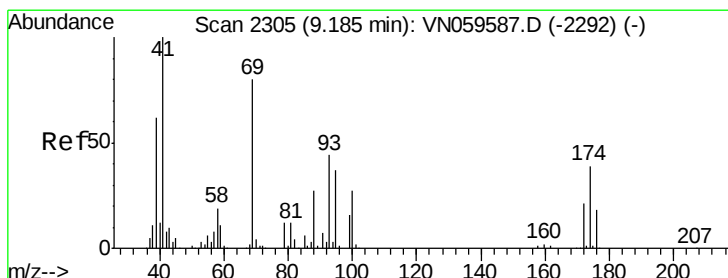
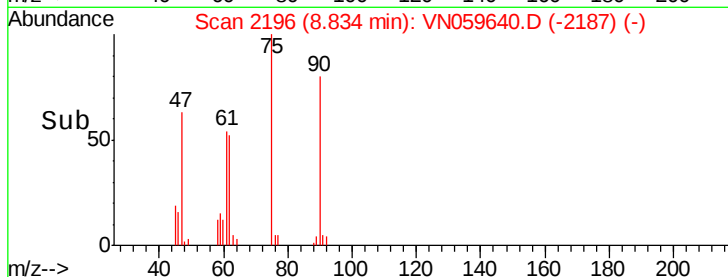
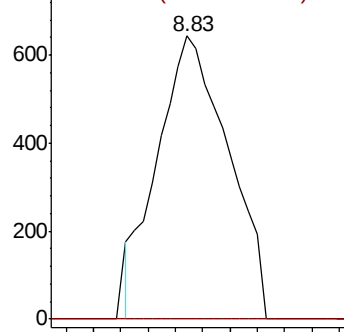
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 6.920 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.04 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

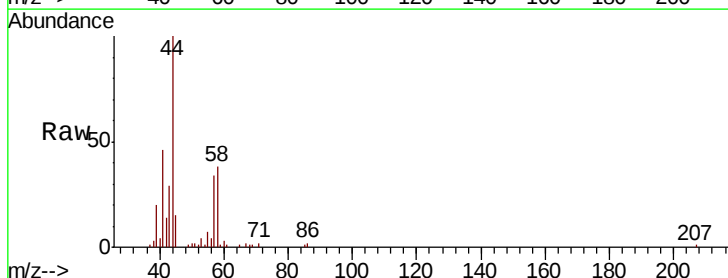
Tgt Ion: 41 Resp: 27204

Ion Ratio Lower Upper

41 100

69 0.4 64.4 96.6#

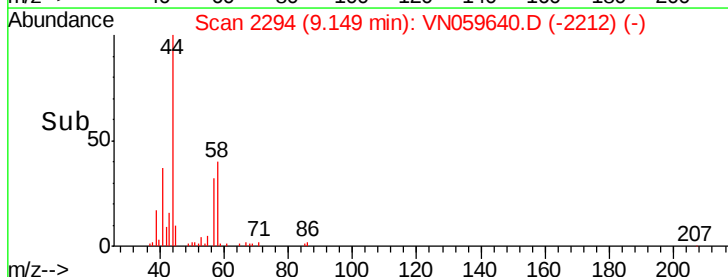
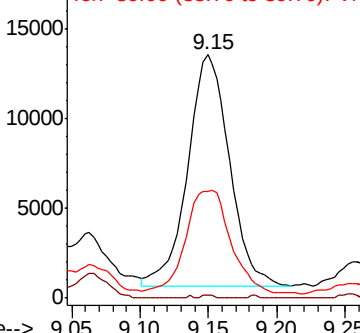
39 46.9 51.3 76.9#

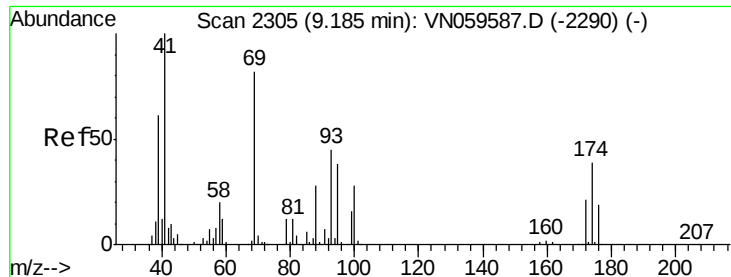


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

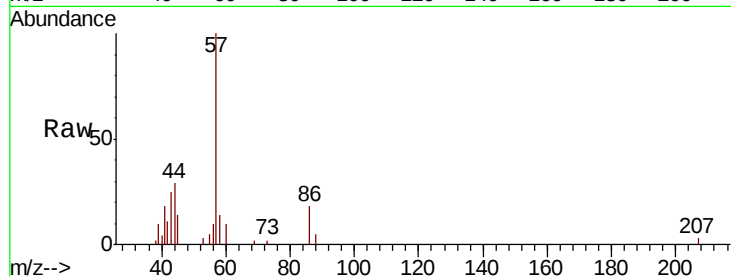




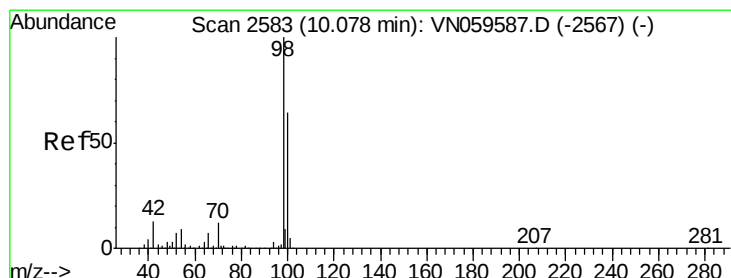
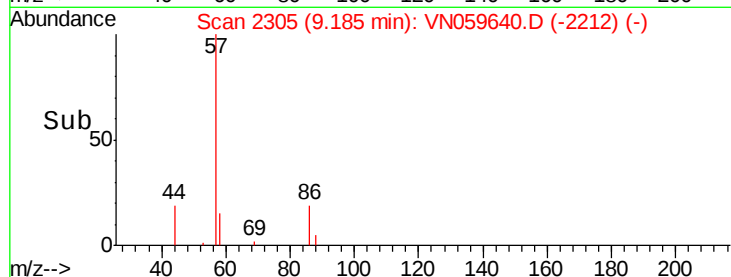
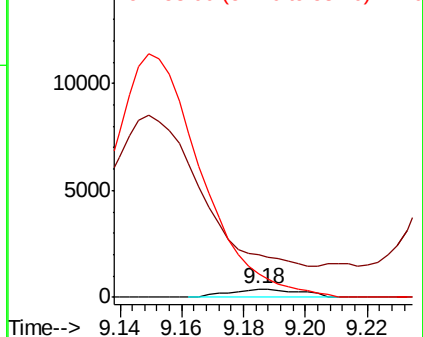
#49
1,4-Dioxane
Concen: 11.040 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Instrument :
MSVOA_N
ClientSampled :
30784

Tot Ion: 88 Resp: 622
Ion Ratio Lower Upper
88 100
43 0.0 29.7 44.5#
58 0.0 56.6 85.0#

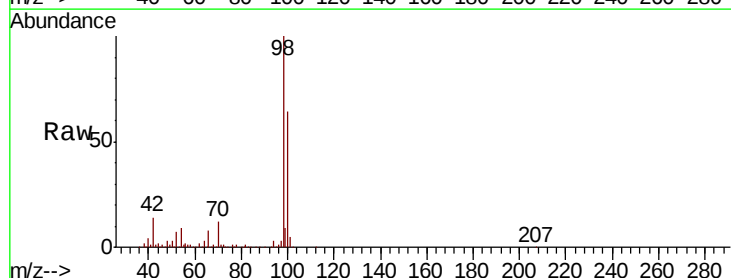


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

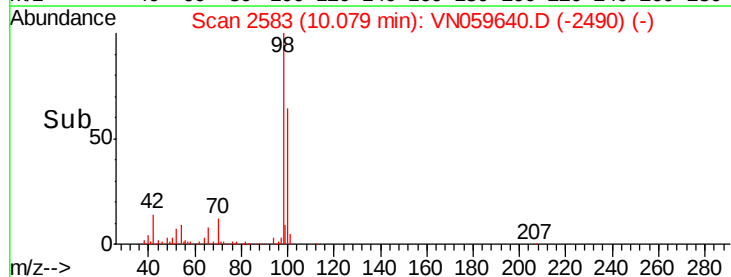
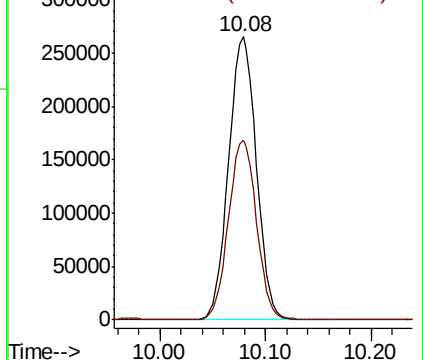


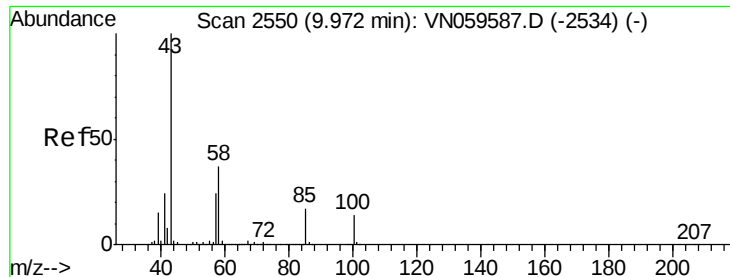
#50
Toluene-d8
Concen: 42.494 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Tgt Ion: 98 Resp: 484039
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 4.217 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

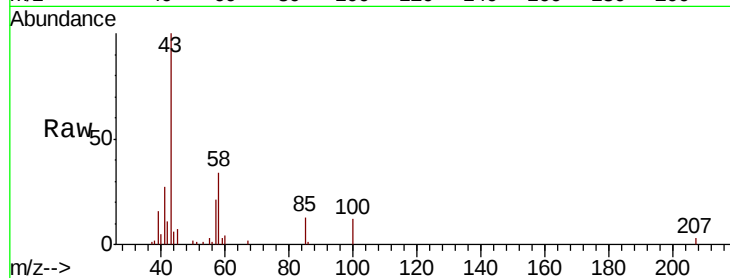
30784

Tot Ion: 43 Resp: 21789

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

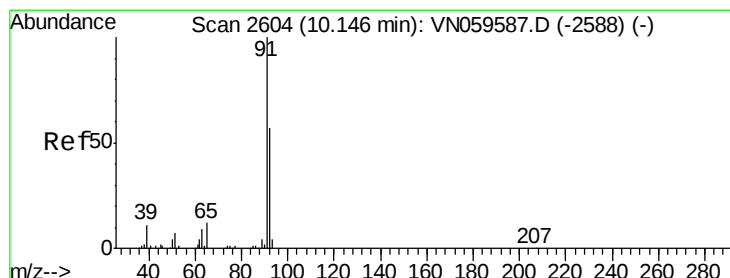
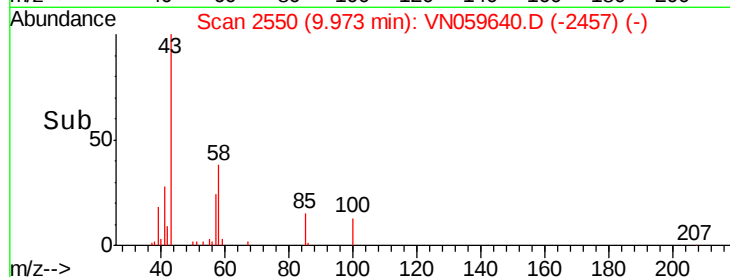
15000

10000

5000

0

Time--> 9.90 9.95 10.00 10.05



#52

Toluene

Concen: 118.509 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059640.D

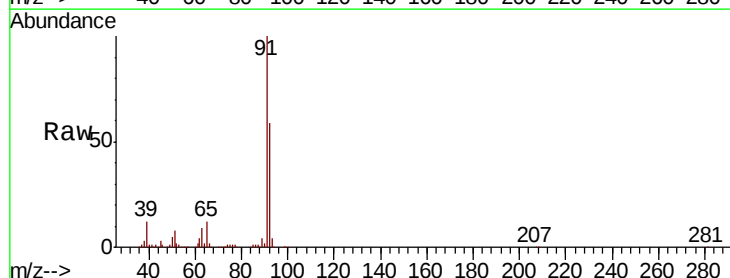
Acq: 17 Dec 2019 21:00

Tgt Ion: 92 Resp: 1020424

Ion Ratio Lower Upper

92 100

91 172.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

1000000

800000

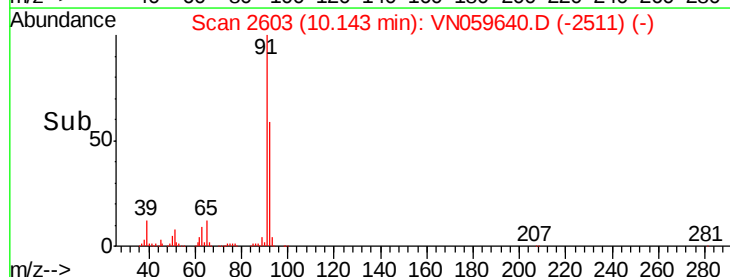
600000

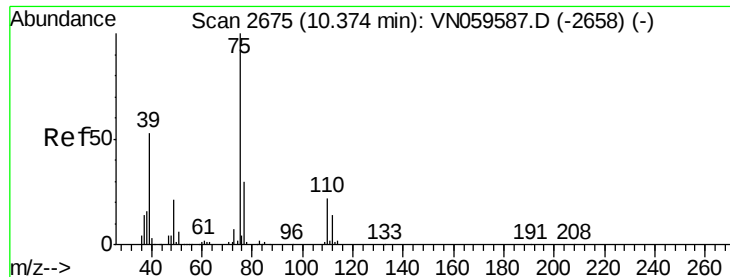
400000

200000

0

Time--> 10.00 10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 0.203 ug/l

RT: 10.44 min Scan# 2696

Delta R.T. 0.07 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

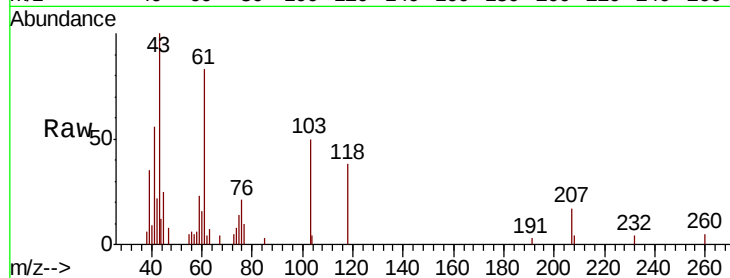
30784

Tot Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

77 27.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.44

800

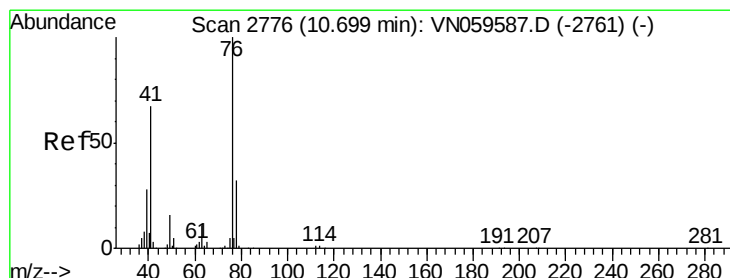
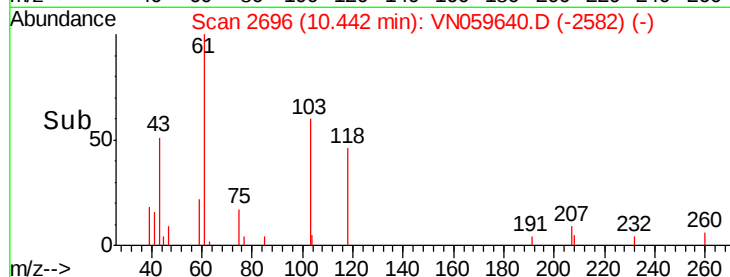
600

400

200

0

Time--> 10.40 10.45



#57

1,3-Dichloropropane

Concen: 0.360 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. -0.25 min

Lab File: VN059640.D

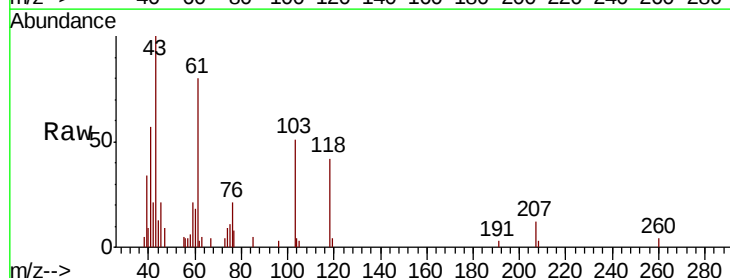
Acq: 17 Dec 2019 21:00

Tgt Ion: 76 Resp: 2116

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.45

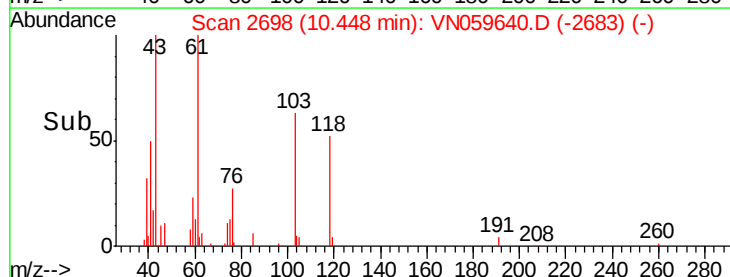
1500

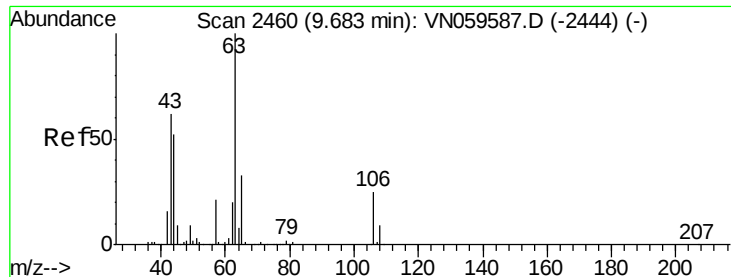
1000

500

0

Time--> 10.40 10.45 10.50

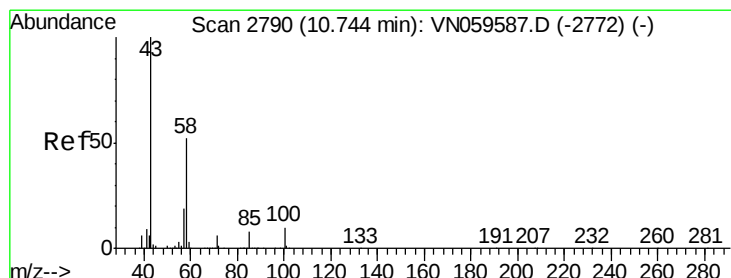
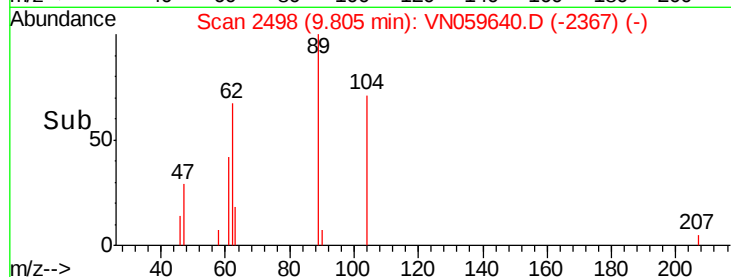
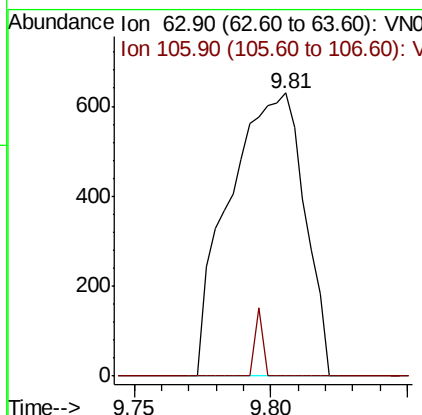
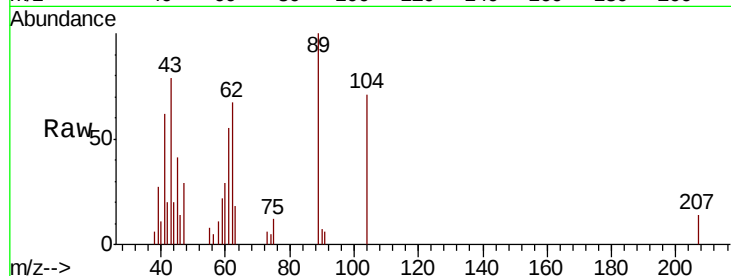




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.752 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.12 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

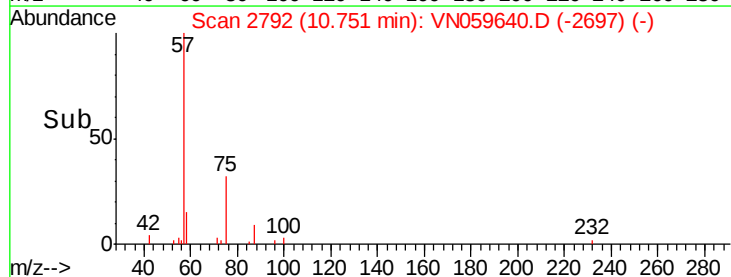
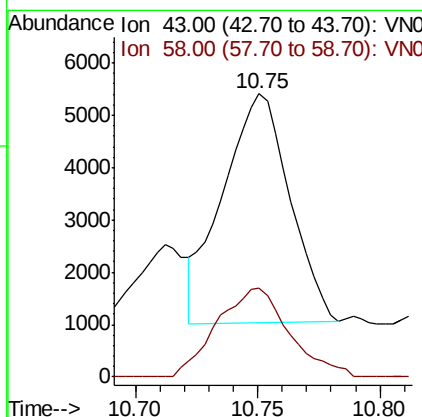
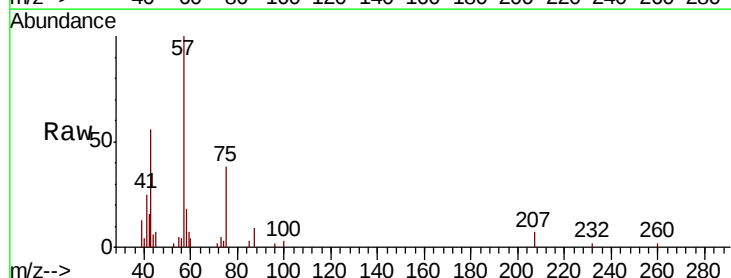
Instrument :
 MSVOA_N
 ClientSampled :
 30784

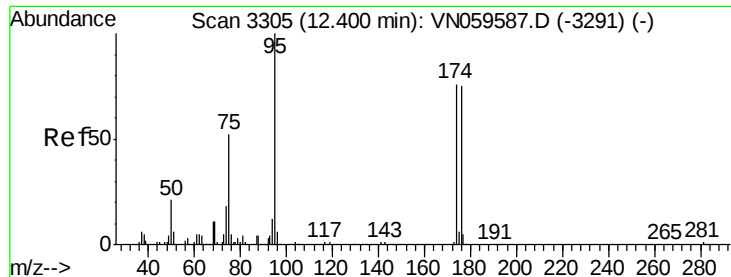
Tot Ion: 63 Resp: 1199
 Ion Ratio Lower Upper
 63 100
 106 2.5 20.2 30.2#



#59
 2-Hexanone
 Concen: 2.050 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Tgt Ion: 43 Resp: 8347
 Ion Ratio Lower Upper
 43 100
 58 41.8 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 43.230 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

30784

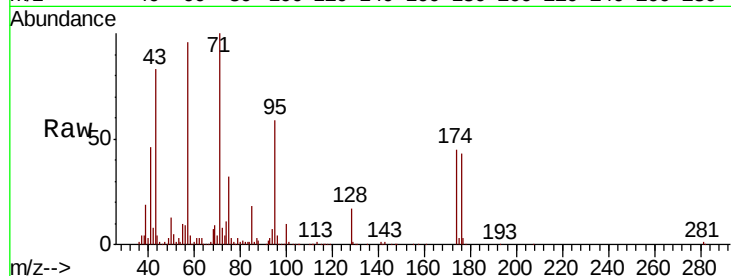
Tot Ion: 95 Resp: 179680

Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.4

176 72.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059587.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059587.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059587.D (-3291) (-)

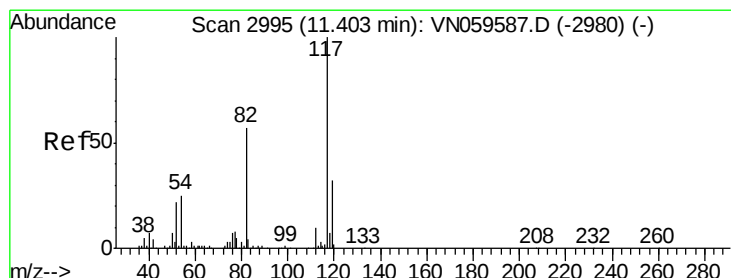
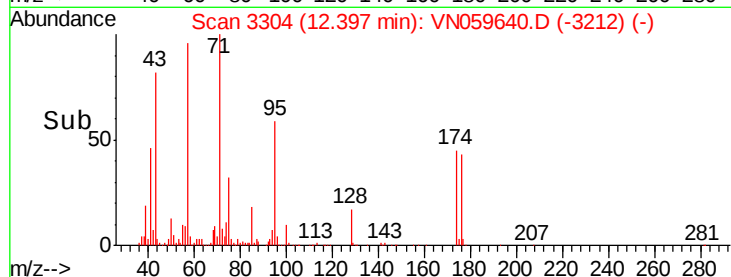
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

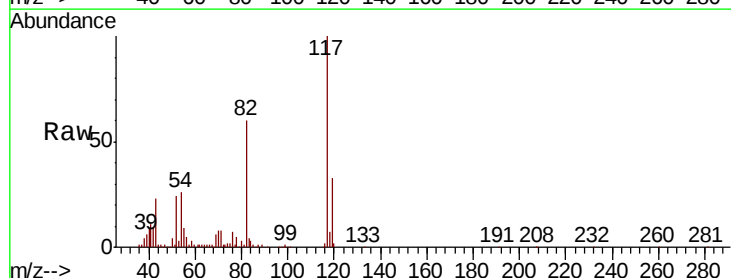
Tgt Ion: 117 Resp: 354657

Ion Ratio Lower Upper

117 100

82 60.2 45.9 68.9

119 32.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059587.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059587.D (-2980) (-)

11.40

250000

200000

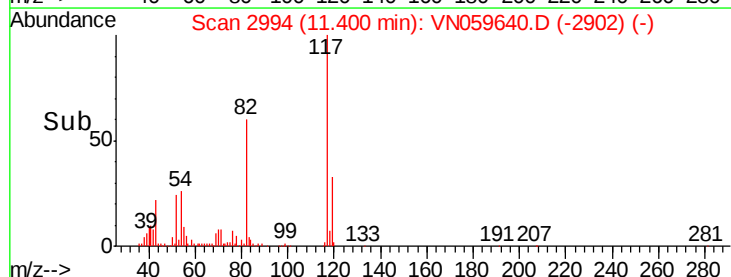
150000

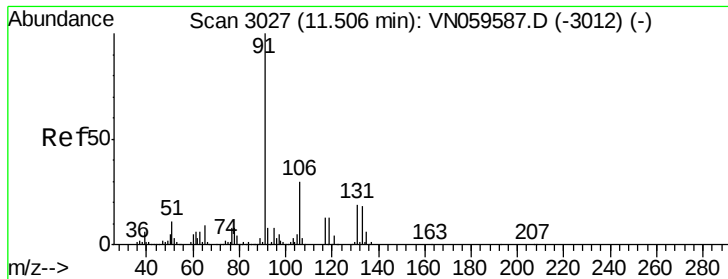
100000

50000

0

Time--> 11.30 11.40 11.50





#67

Ethyl Benzene

Concen: 5.868 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampled :

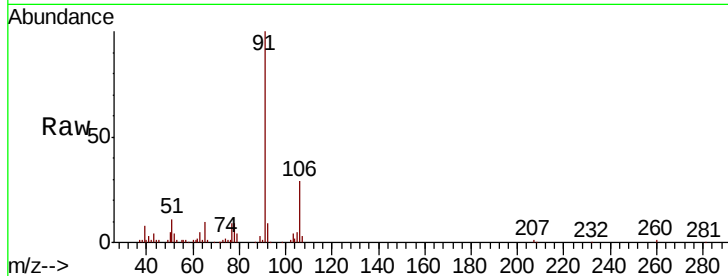
30784

Tot Ion: 91 Resp: 81281

Ion Ratio Lower Upper

91 100

106 29.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

250000

200000

150000

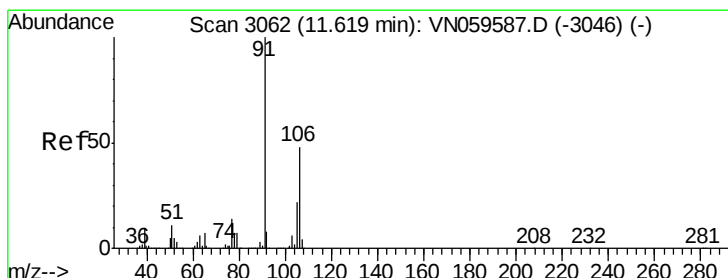
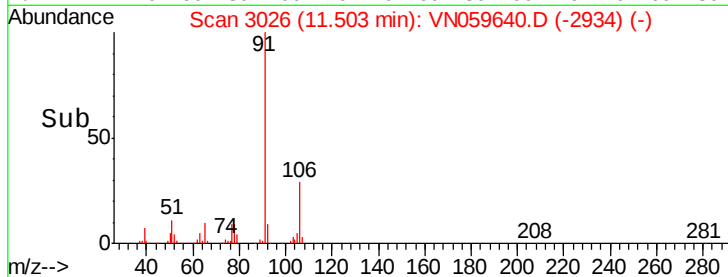
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 43.285 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VN059640.D

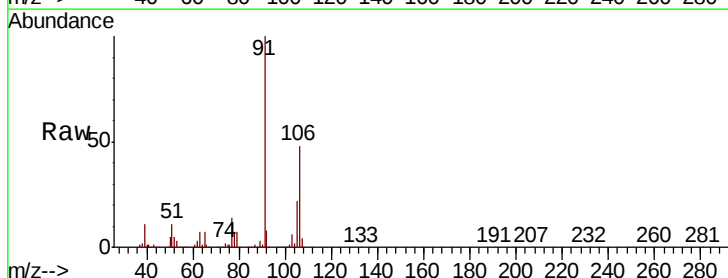
Acq: 17 Dec 2019 21:00

Tgt Ion: 106 Resp: 221402

Ion Ratio Lower Upper

106 100

91 207.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

300000

250000

200000

150000

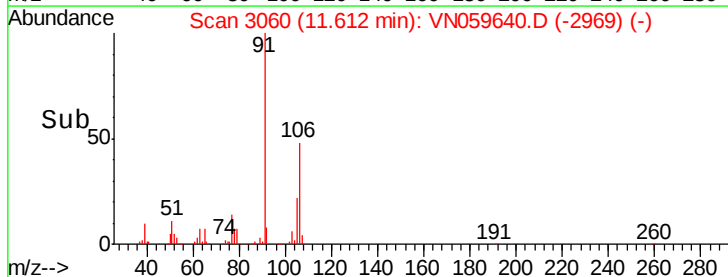
100000

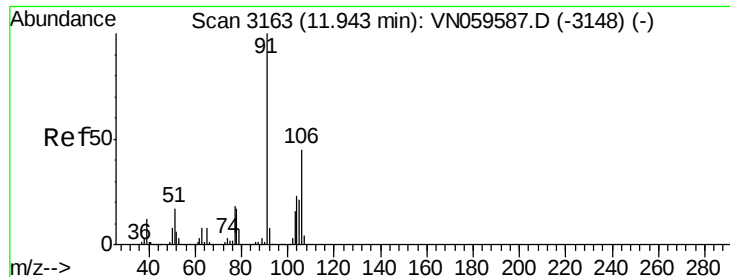
50000

0

11.60 11.61 11.70

Time-->

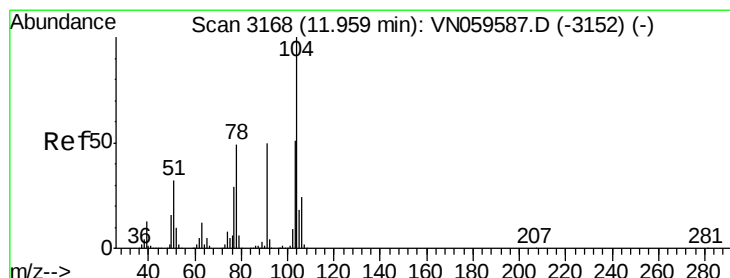
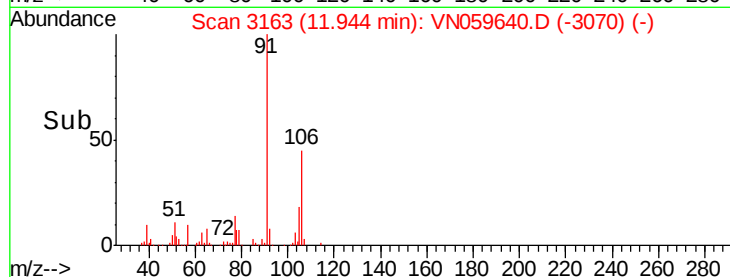
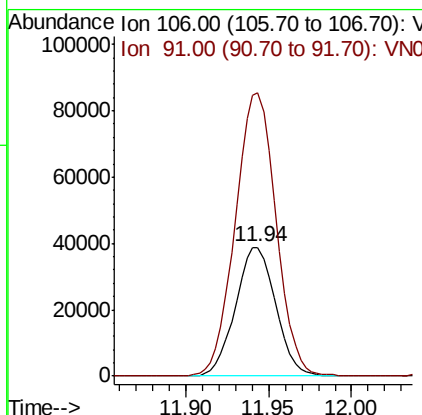
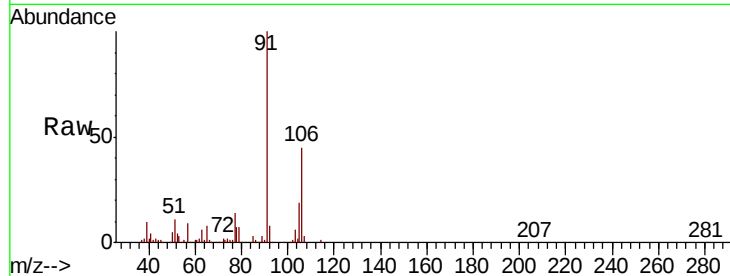




#69
o-Xylene
Concen: 13.450 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

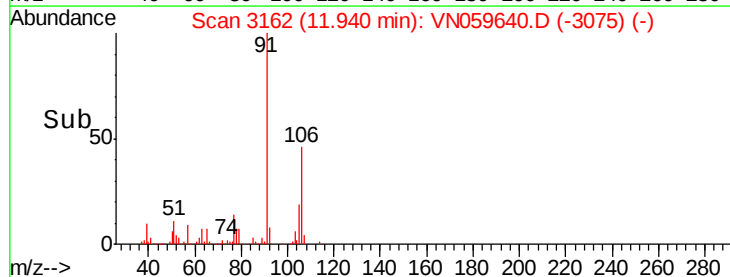
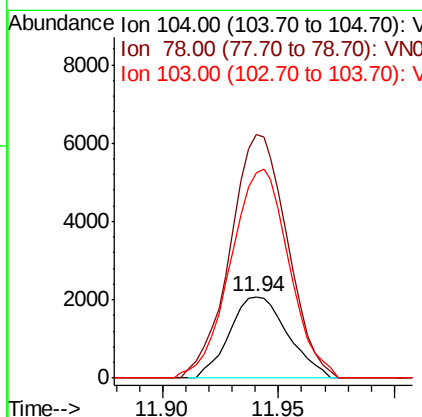
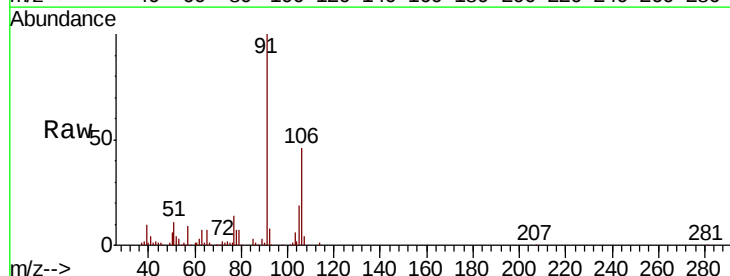
Instrument :
MSVOA_N
ClientSampled :
30784

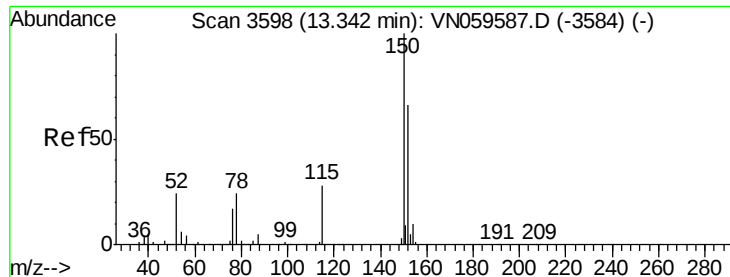
Tot Ion:106 Resp: 65463
Ion Ratio Lower Upper
106 100
91 223.2 110.3 330.9



#70
Styrene
Concen: 0.461 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.02 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Tgt Ion:104 Resp: 3608
Ion Ratio Lower Upper
104 100
78 294.6 42.4 63.6#
103 258.9 43.9 65.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

30784

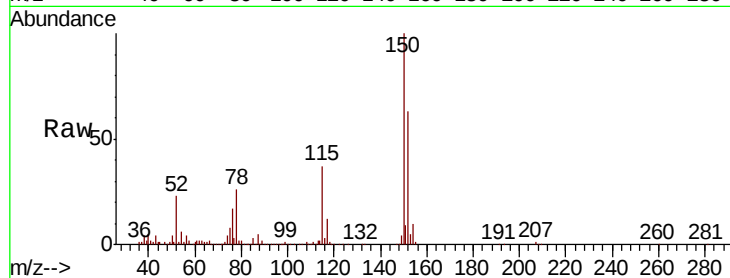
Tot Ion:152 Resp: 194706

Ion Ratio Lower Upper

152 100

115 60.1 30.3 90.9

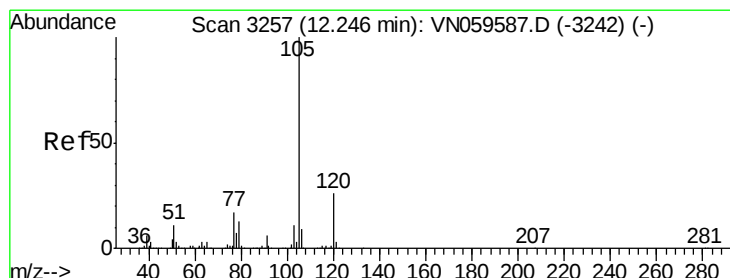
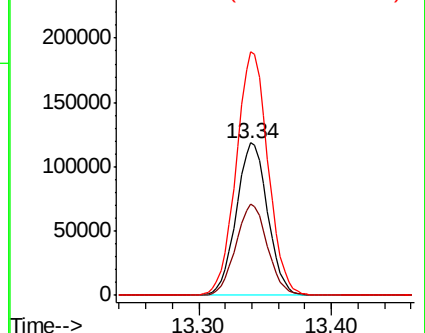
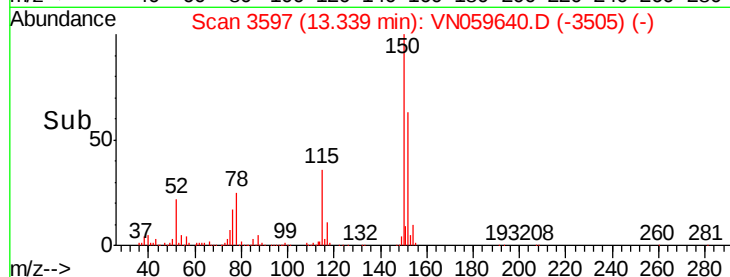
150 162.2 0.0 345.2



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: 0.564 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059640.D

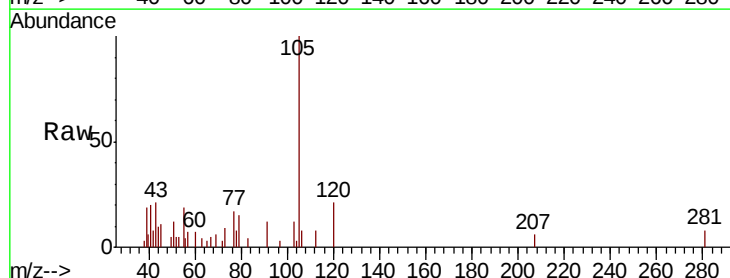
Acq: 17 Dec 2019 21:00

Tgt Ion:105 Resp: 8616

Ion Ratio Lower Upper

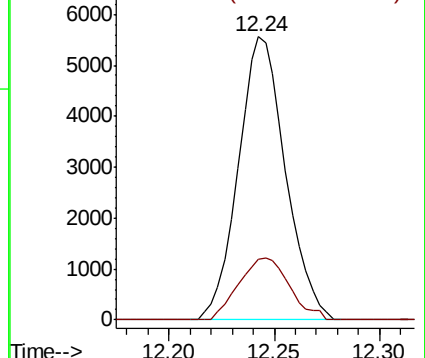
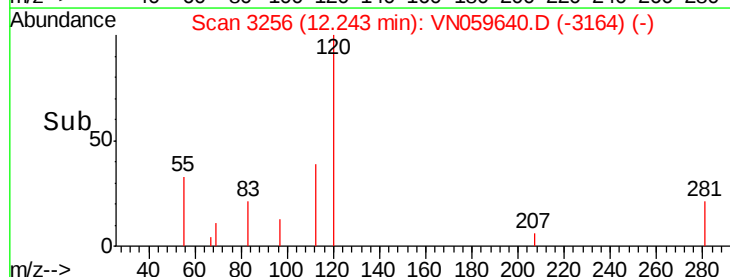
105 100

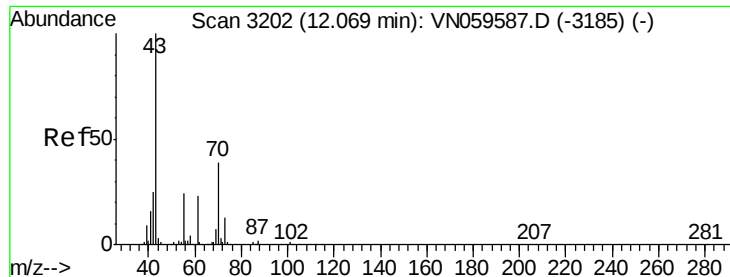
120 23.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.660 ug/l

RT: 11.99 min Scan# 3178

Delta R.T. -0.08 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

30784

Tot Ion: 43 Resp: 18651

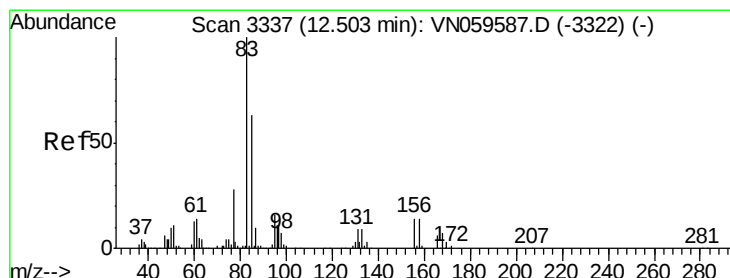
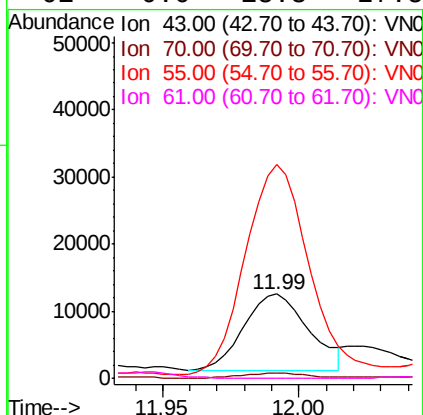
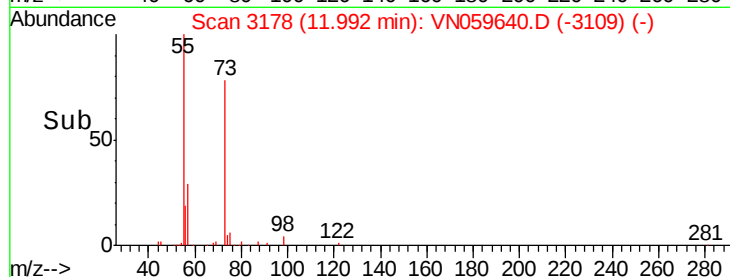
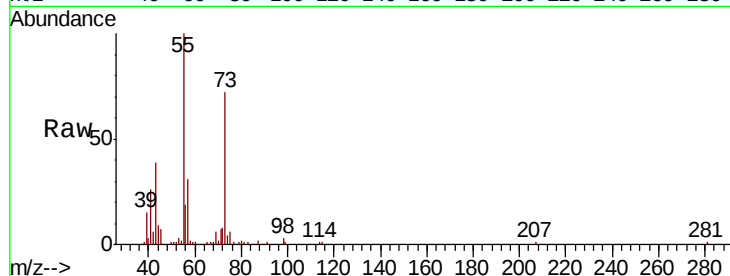
Ion Ratio Lower Upper

43 100

70 7.0 31.3 46.9#

55 276.0 19.8 29.6#

61 0.0 18.3 27.5#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.110 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. 0.04 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

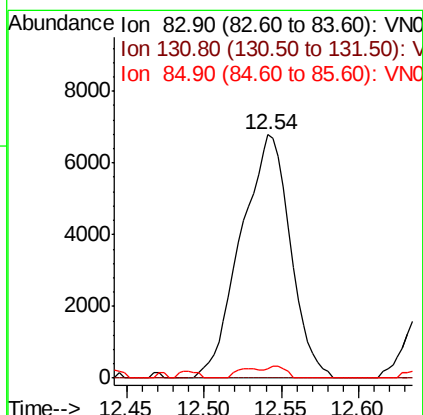
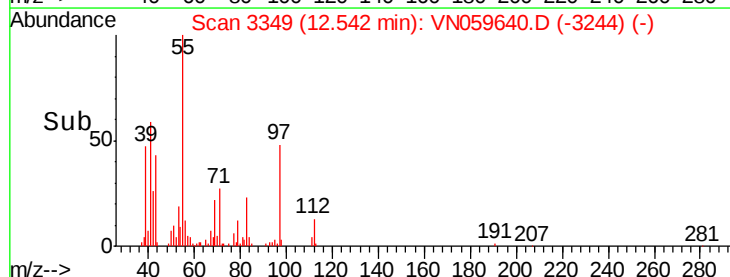
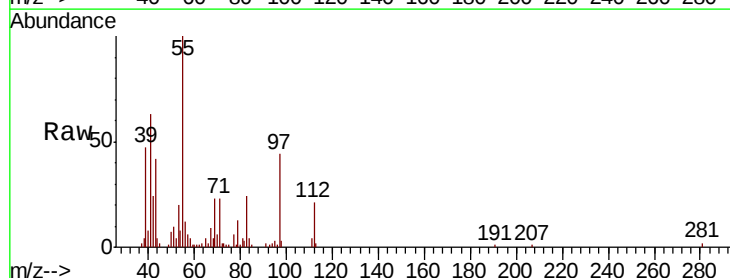
Tgt Ion: 83 Resp: 15078

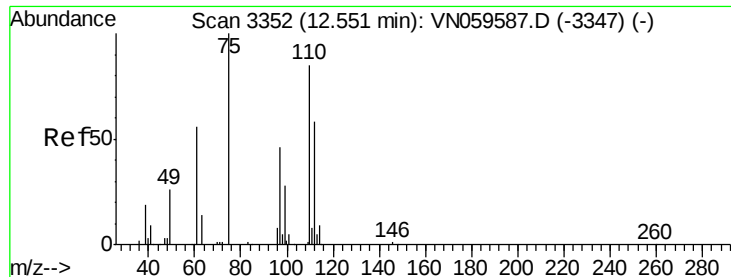
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 31.9 95.5#





#76

1,2,3-Trichloropropane

Concen: 19.857 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059640.D

Acq: 17 Dec 2019 21:00

Instrument :

MSVOA_N

ClientSampleId :

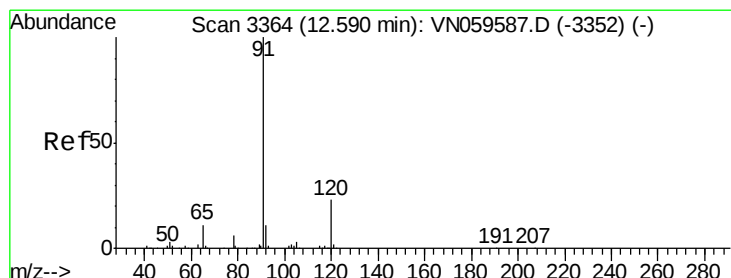
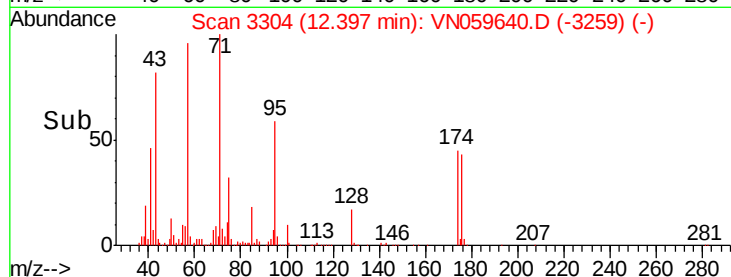
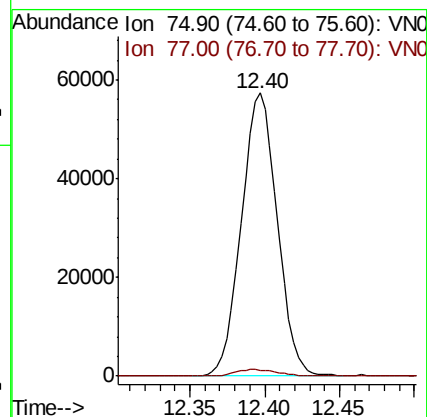
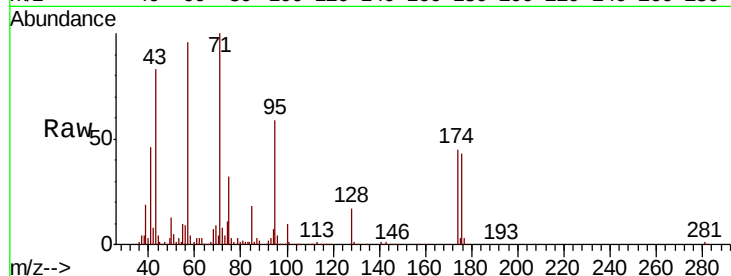
30784

Tot Ion: 75 Resp: 95712

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#



#78

n-propylbenzene

Concen: 0.461 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059640.D

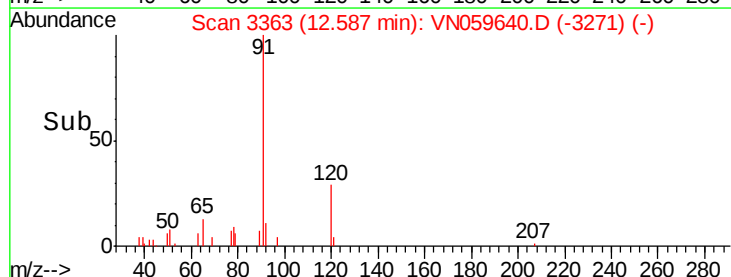
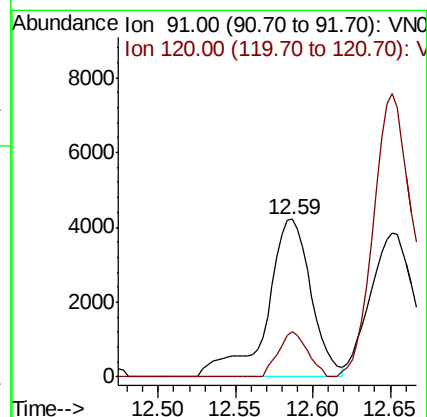
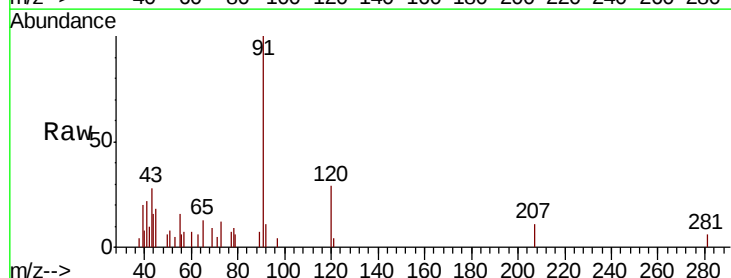
Acq: 17 Dec 2019 21:00

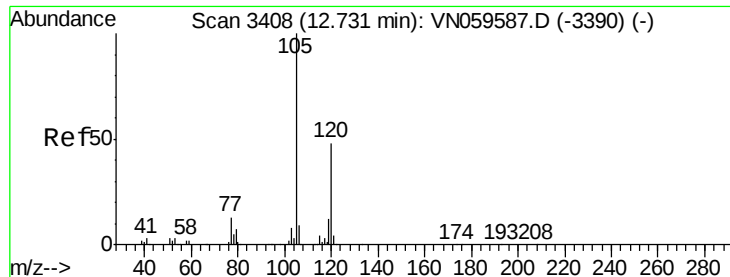
Tgt Ion: 91 Resp: 8327

Ion Ratio Lower Upper

91 100

120 19.0 11.1 33.3

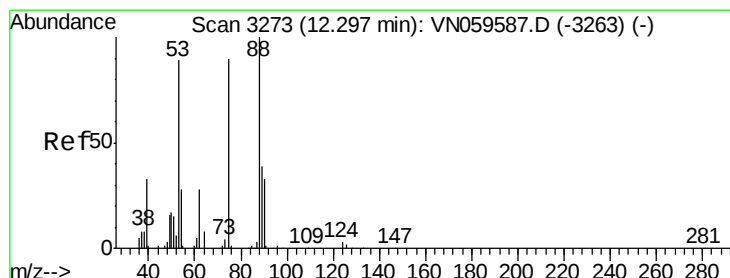
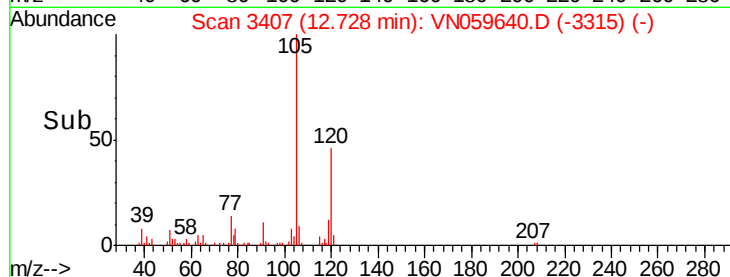
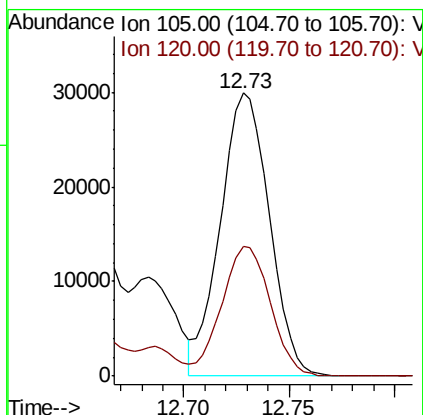
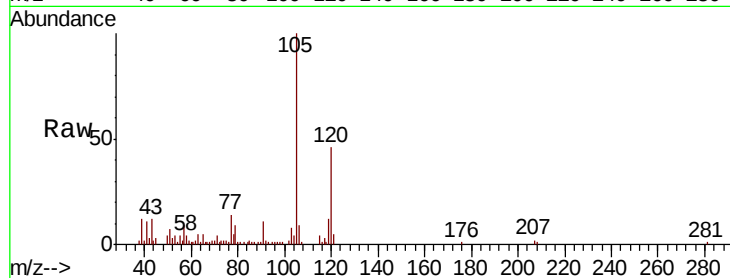




#80
 1,3,5-Trimethylbenzene
 Concen: 3.725 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

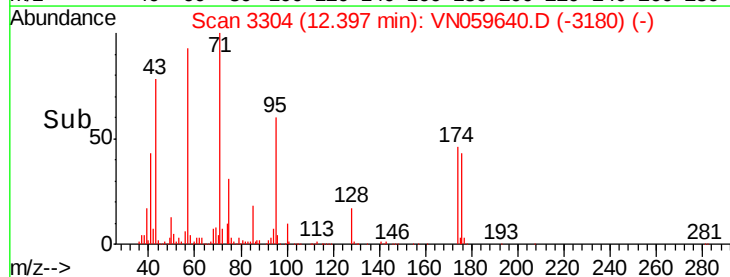
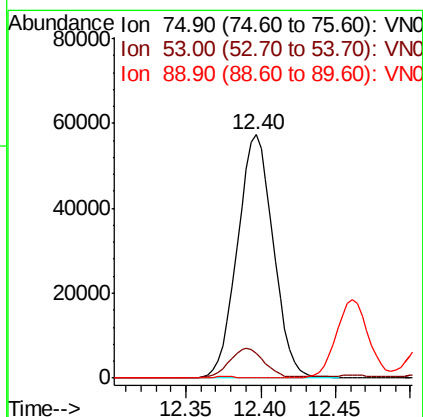
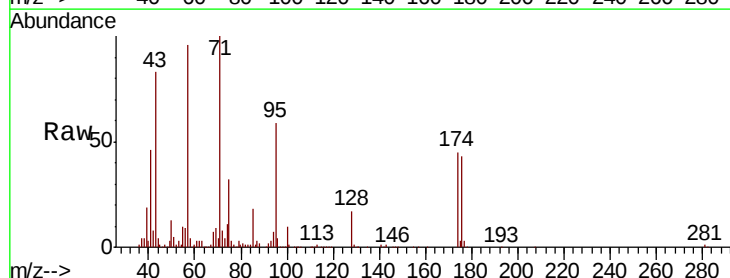
Instrument :
 MSVOA_N
 ClientSampleId :
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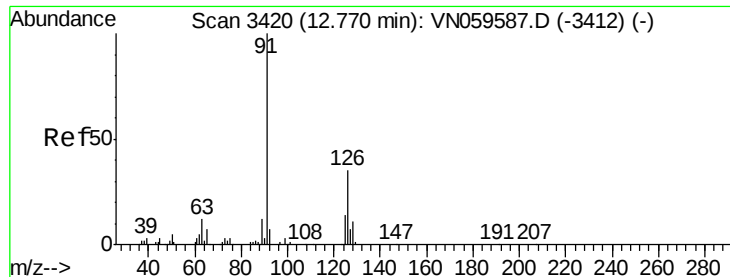
Tot Ion:105 Resp: 48181
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.045 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Tgt Ion: 75 Resp: 95712
 Ion Ratio Lower Upper
 75 100
 53 12.1 78.1 117.1#
 89 0.0 35.4 53.2#

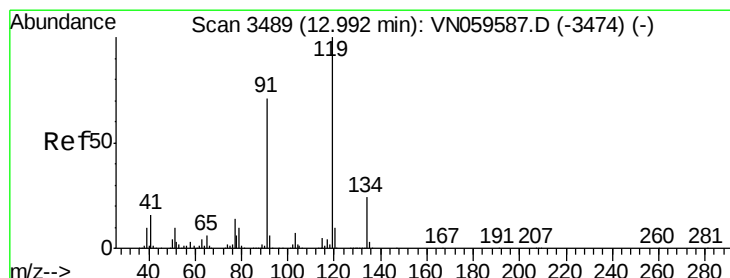
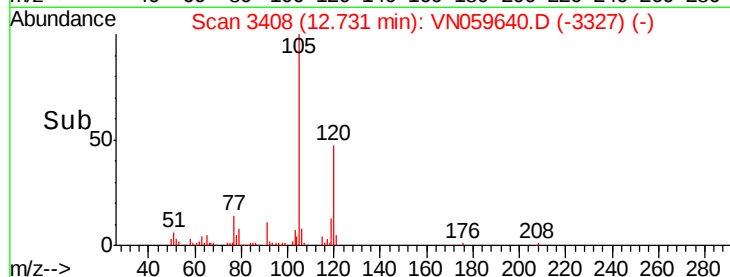
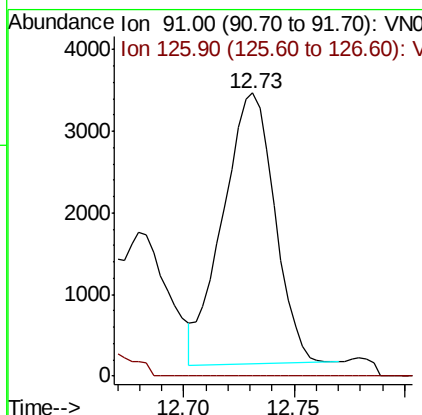
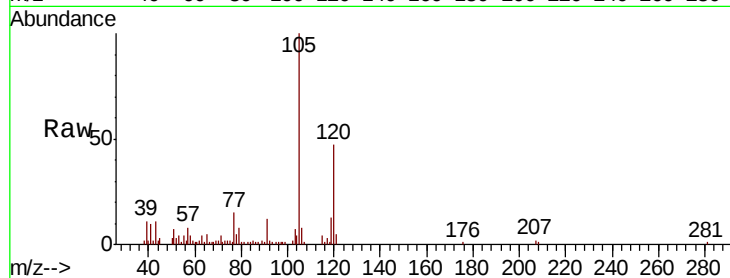




#82
4-Chlorotoluene
Concen: 0.486 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

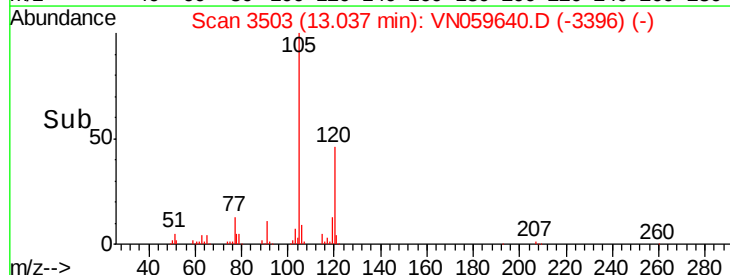
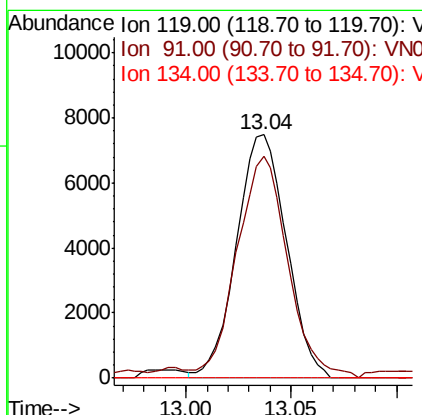
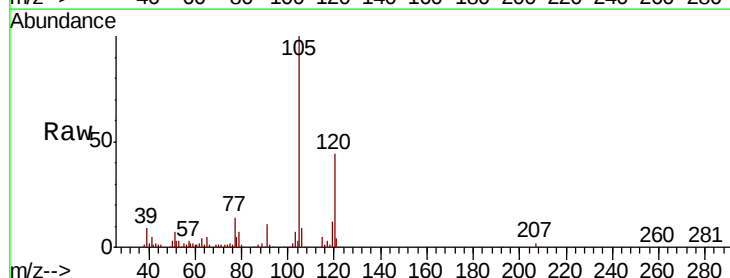
Instrument :
MSVOA_N
ClientSampled :
30784

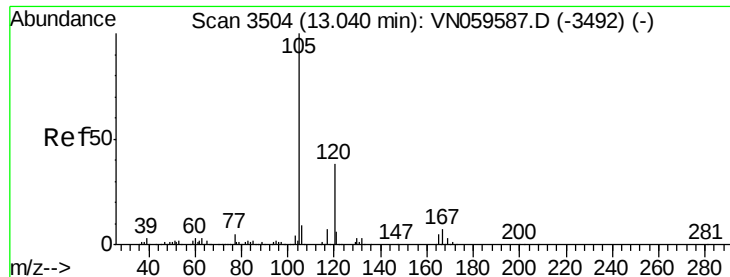
Tot Ion: 91 Resp: 5434
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#83
tert-Butylbenzene
Concen: 1.123 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.05 min
Lab File: VN059640.D
Acq: 17 Dec 2019 21:00

Tgt Ion: 119 Resp: 12305
Ion Ratio Lower Upper
119 100
91 93.5 34.8 104.4
134 0.0 12.3 36.9#

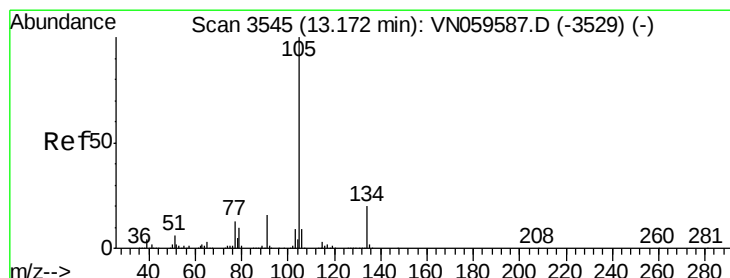
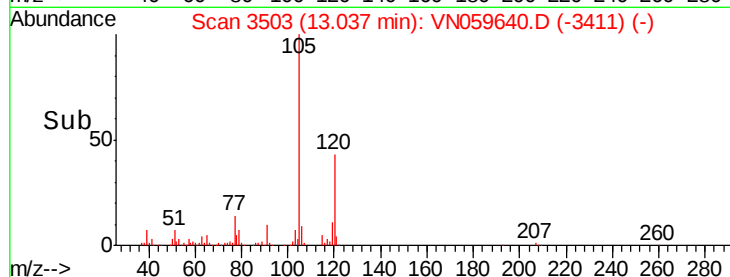
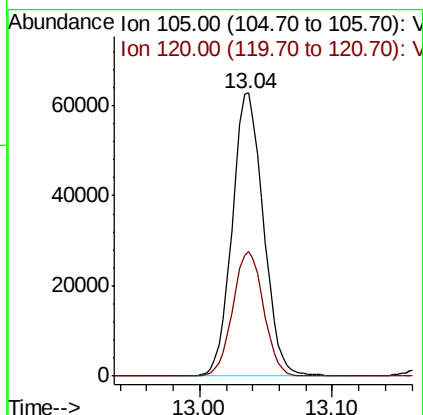
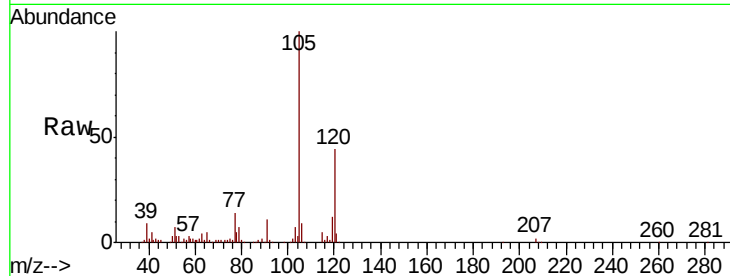




#84
 1,2,4-Trimethylbenzene
 Concen: 7.978 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

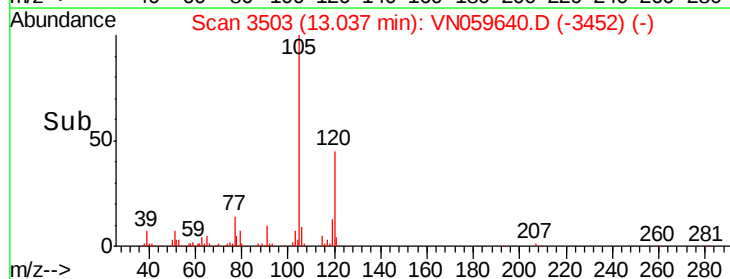
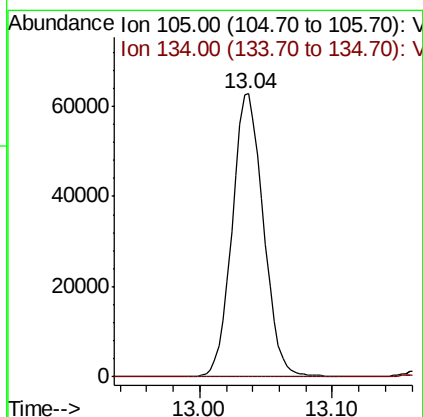
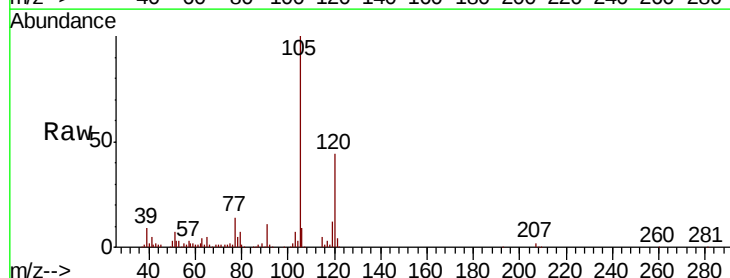
Instrument :
 MSVOA_N
 ClientSampled :
 30784

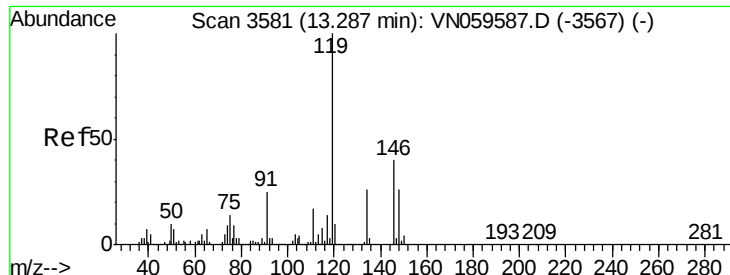
Tot Ion:105 Resp: 102603
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.3 66.9



#85
 sec-Butylbenzene
 Concen: 7.042 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.13 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Tgt Ion:105 Resp: 102603
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#

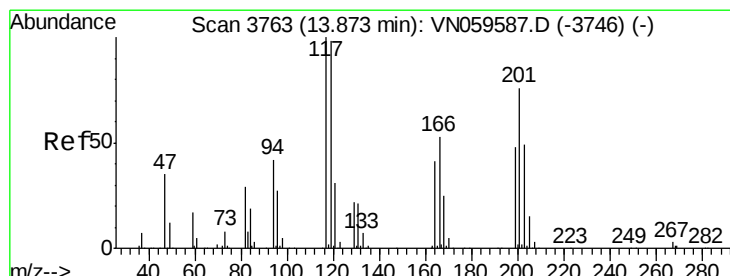
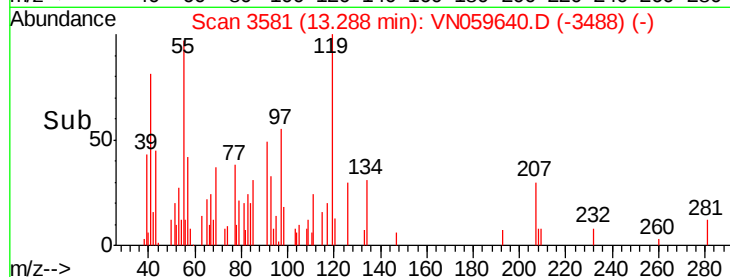
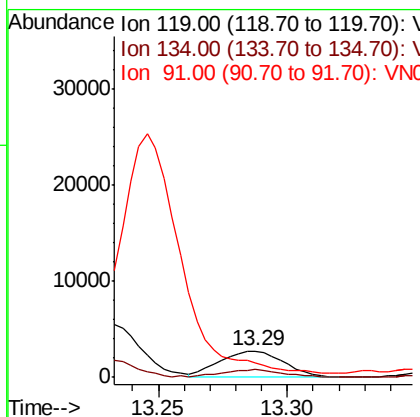
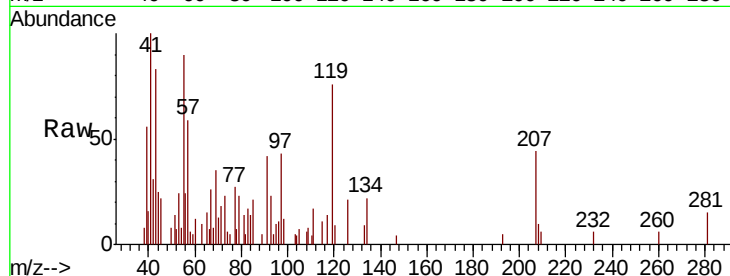




#86
 p-Isopropyltoluene
 Concen: 0.356 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

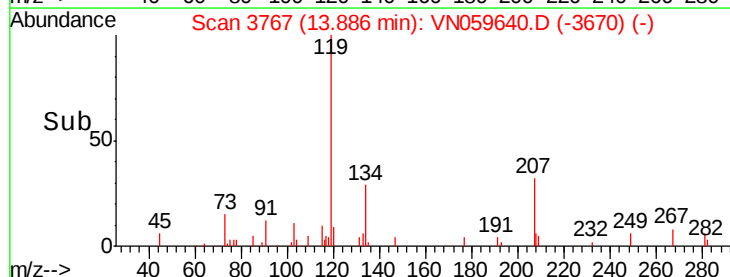
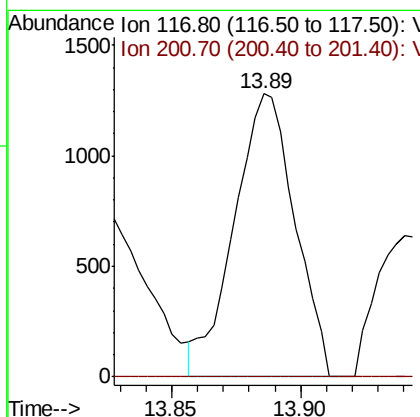
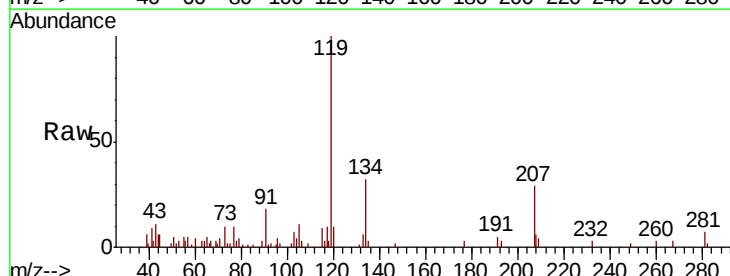
Instrument :
 MSVOA_N
 ClientSampleId :
 30784

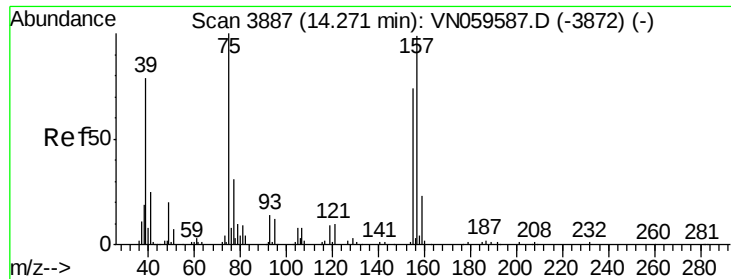
Tot Ion:119 Resp: 4697
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.9 38.7
 91 0.0 12.4 37.4#



#90
 Hexachloroethane
 Concen: 0.839 ug/l
 RT: 13.89 min Scan# 3767
 Delta R.T. 0.01 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Tgt Ion:117 Resp: 2092
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.8 113.4#

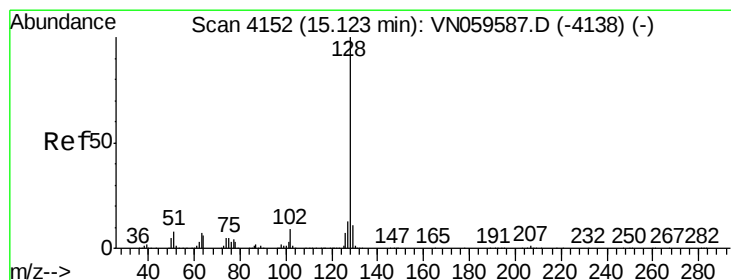
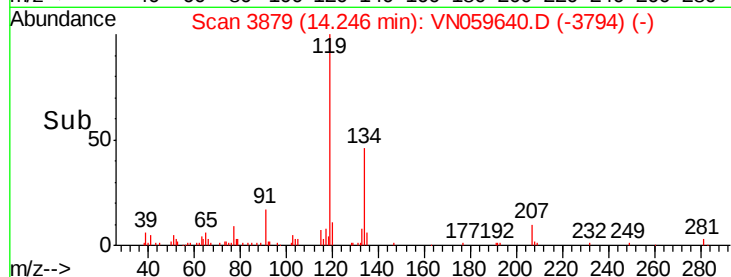
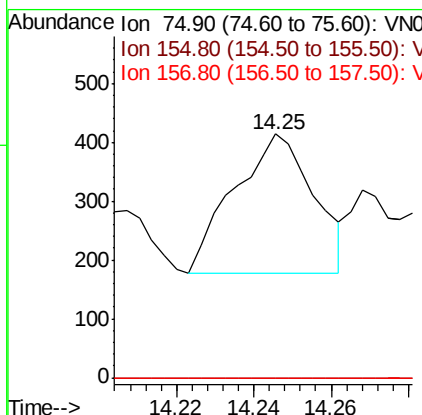
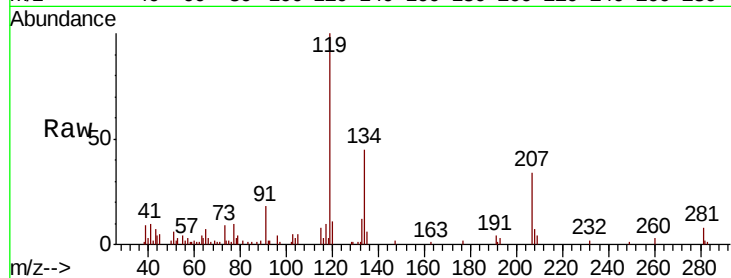




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.866 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.03 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Instrument :
 MSVOA_N
 ClientSampled :
 30784

Tot Ion: 75 Resp: 340
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#95
 Naphthalene
 Concen: 1.180 ug/l
 RT: 15.12 min Scan# 4152
 Delta R.T. 0.00 min
 Lab File: VN059640.D
 Acq: 17 Dec 2019 21:00

Tgt Ion: 128 Resp: 15502
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.4 15.6
 129 11.5 8.6 12.8

