

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053966.D
 Acq On : 26 Feb 2019 20:12
 Operator : JC/SP
 Sample : K1348-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

Quant Time: Feb 27 02:30:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	558401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1066396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378061	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
35) Dibromofluoromethane	7.59	113	344898	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	1354086	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	471622	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.78	59	140	0.337	ug/l #	73
14) Allyl chloride	4.55	41	13892	1.437	ug/l #	26
16) Acetone	3.82	43	22784	1.041	ug/l	97
18) Methyl Acetate	4.33	43	4237	0.926	ug/l #	81
20) Methylene Chloride	4.55	84	309586	47.787	ug/l	89
25) 2-Butanone	6.85	43	4644	1.807	ug/l	95
29) Tetrahydrofuran	7.22	42	1755	1.025	ug/l #	52
31) Cyclohexane	7.67	56	10458	0.594	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40089	4.042	ug/l #	47
38) Carbon Tetrachloride	7.67	117	49864	4.835	ug/l #	17
43) Isopropyl Acetate	8.17	43	31293	2.617	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	1930	0.235	ug/l #	44
48) Methyl methacrylate	9.18	41	11676	2.123	ug/l #	12
49) 1,4-Dioxane	9.27	88	104	1.396	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8043	1.309	ug/l #	67
54) cis-1,3-Dichloropropene	9.90	75	65243	5.656	ug/l #	70
56) Ethyl methacrylate	10.55	69	1361	2.104	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	12248	1.082	ug/l #	43
59) 2-Hexanone	10.76	43	177263	44.362	ug/l #	49
67) Ethyl Benzene	11.51	91	112465	3.022	ug/l	98
68) m/p-Xylenes	11.62	106	220240	15.678	ug/l	99
69) o-Xylene	11.95	106	100133	7.255	ug/l	95
70) Styrene	11.95	104	7680	0.362	ug/l #	1
71) Bromoform	12.40	173	3593	0.645	ug/l #	1
74) N-amyl acetate	11.88	43	18493	2.126	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	226952	33.185	ug/l #	100
78) n-propylbenzene	12.59	91	34638	0.918	ug/l	99
79) 2-Chlorotoluene	12.66	91	26837	1.184	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	133304	4.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	226952	104.886	ug/l #	15
82) 4-Chlorotoluene	12.73	91	15059	0.672	ug/l #	39
83) tert-Butylbenzene	13.04	119	92669	3.857	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.04	105	735699	27.124	ug/l	99
85) sec-Butylbenzene	13.04	105	735699	22.417	ug/l #	56

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration

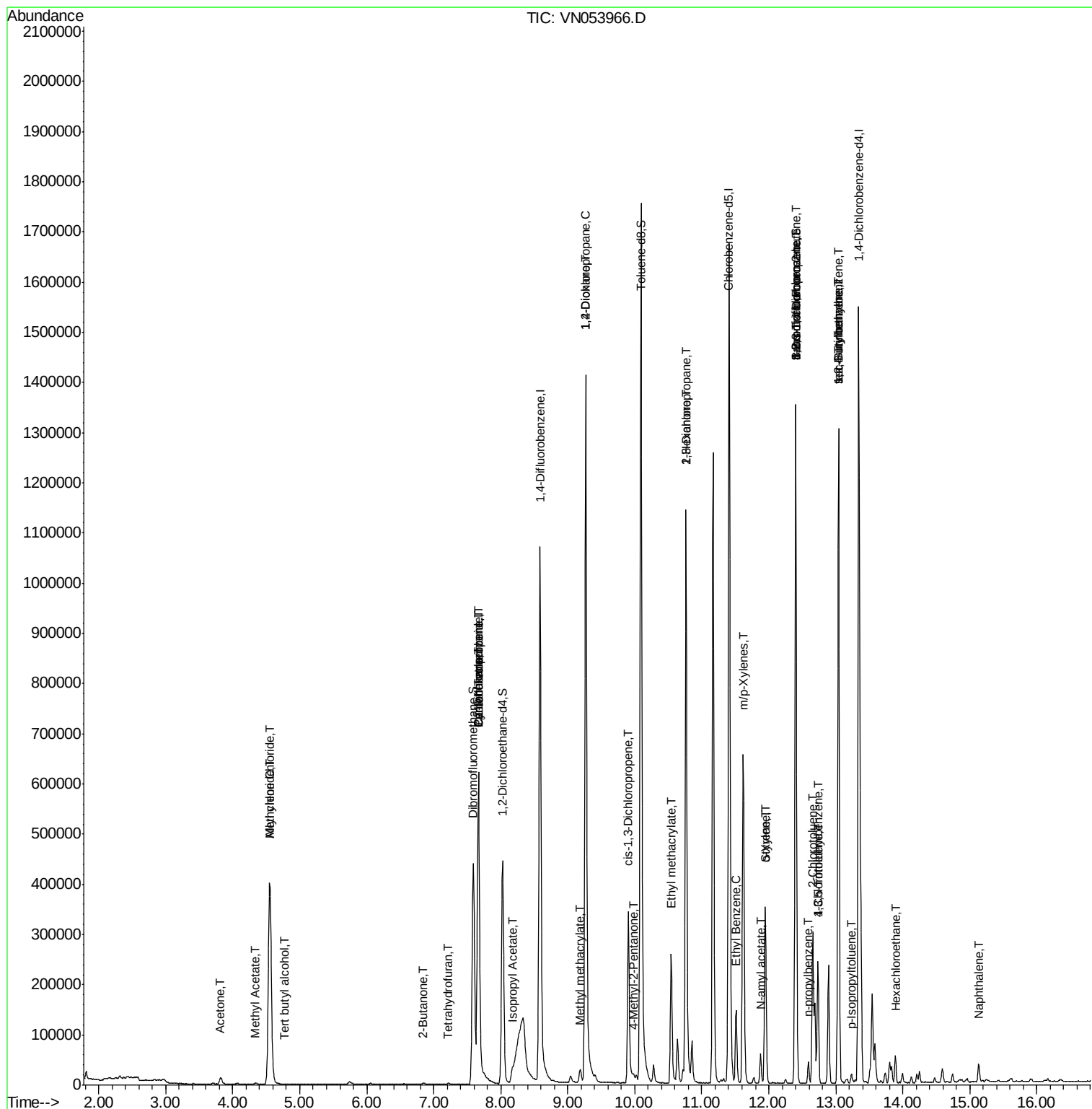
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.23	119	10533	0.380	ug/l	94
90) Hexachloroethane	13.89	117	3592	0.668	ug/l #	2
95) Naphthalene	15.13	128	30777	4.918	ug/l	98

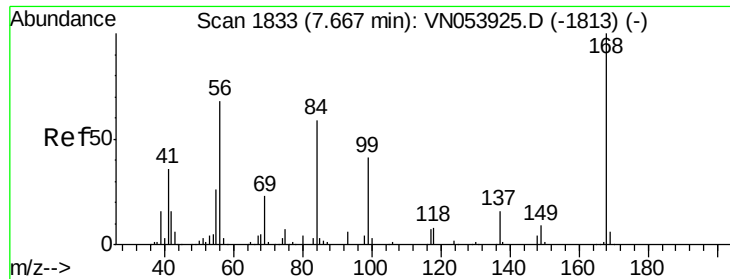
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

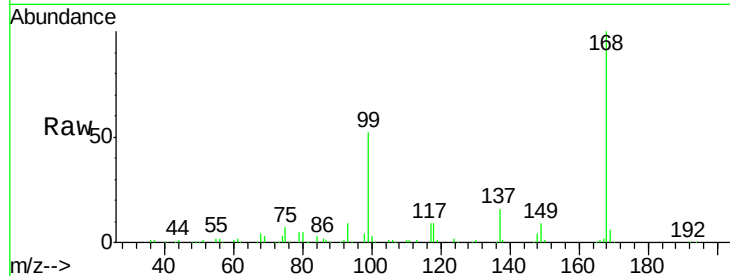
OK-02-022519

Tot Ion:168 Resp: 558401

Ion Ratio Lower Upper

168 100

99 52.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

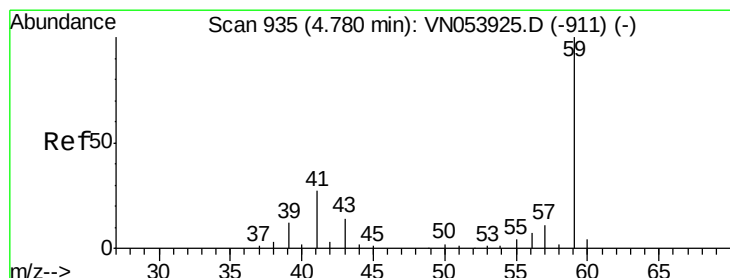
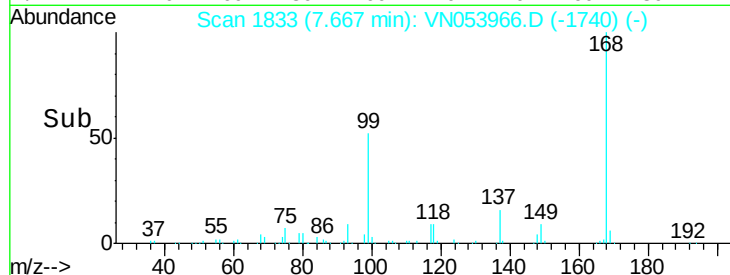
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.337 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN053966.D

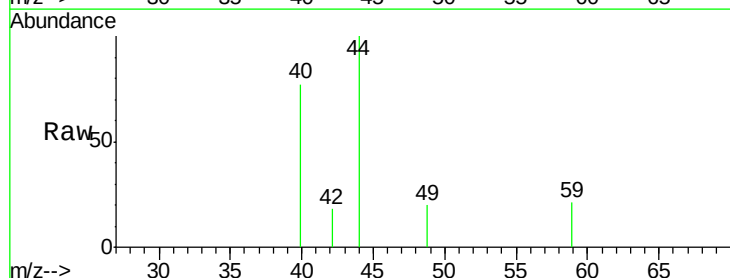
Acq: 26 Feb 2019 20:12

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

200

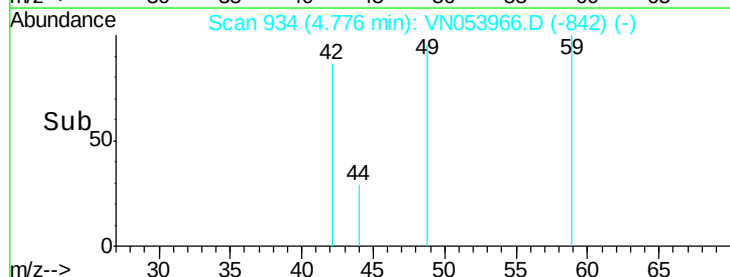
150

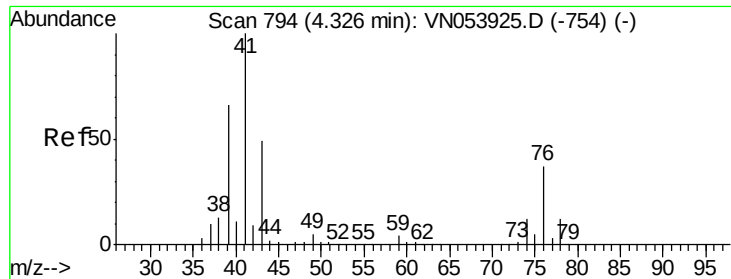
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50

0

Time-->

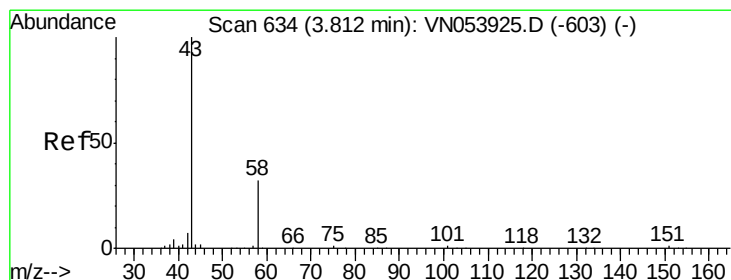
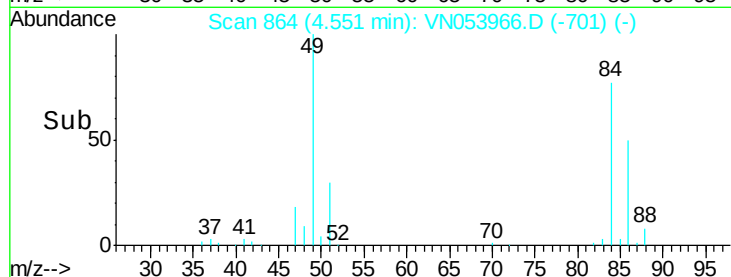
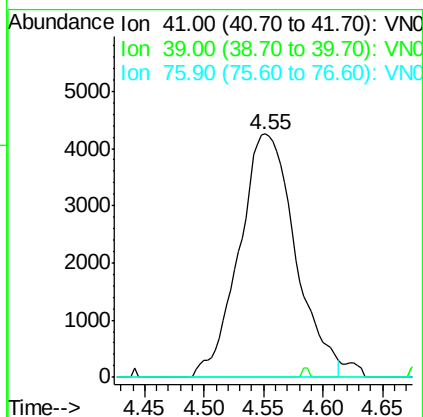
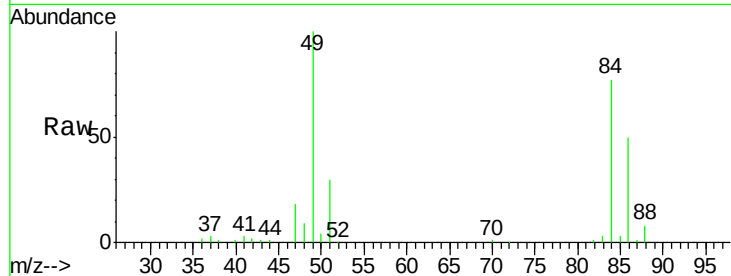




#14
Allvl chloride
Concen: 1.437 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

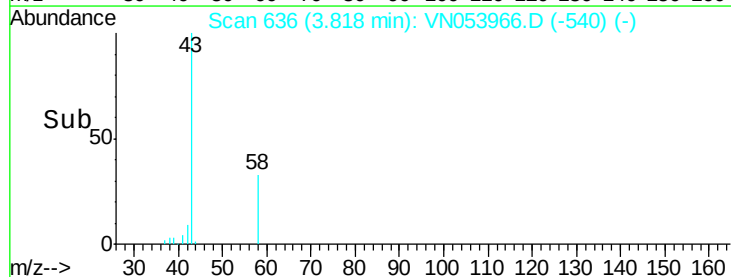
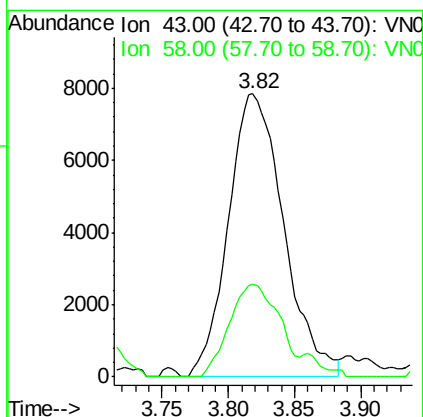
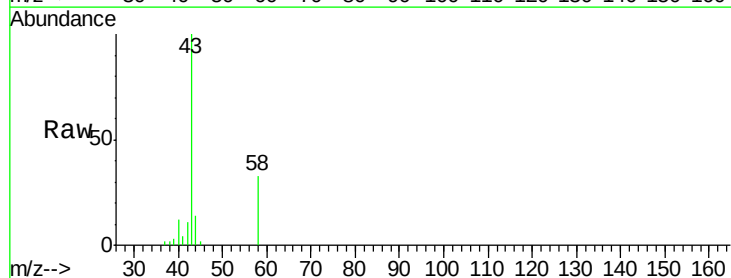
Instrument :
MSVOA_N
ClientSampled :
OK-02-022519

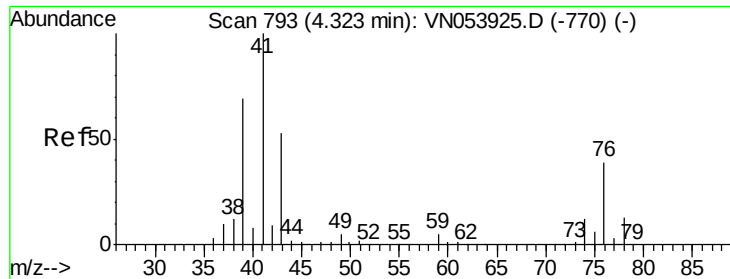
Tot Ion: 41 Resp: 13892
Ion Ratio Lower Upper
41 100
39 0.0 48.8 73.2#
76 0.0 30.9 46.3#



#16
Acetone
Concen: 1.041 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion: 43 Resp: 22784
Ion Ratio Lower Upper
43 100
58 32.6 27.6 41.4

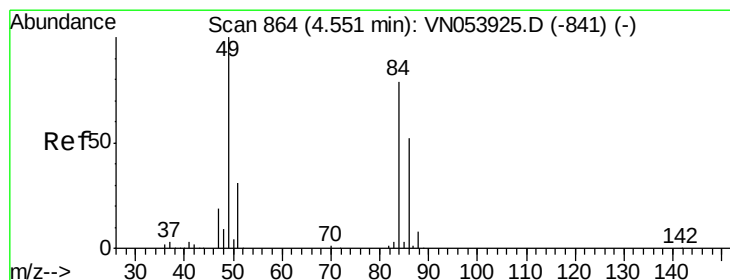
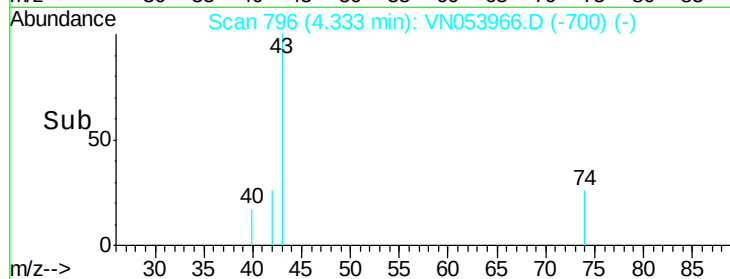
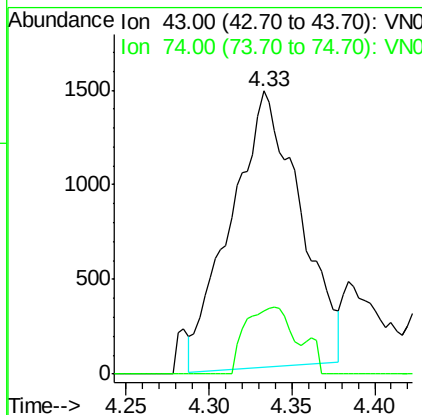
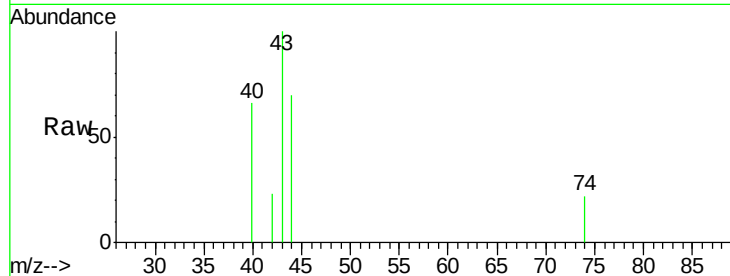




#18
Methyl Acetate
Concen: 0.926 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

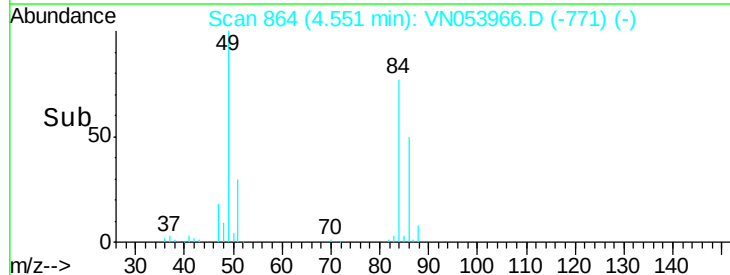
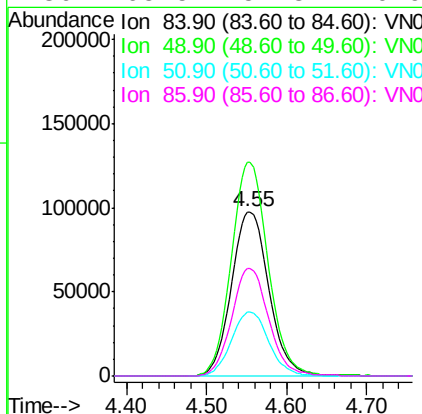
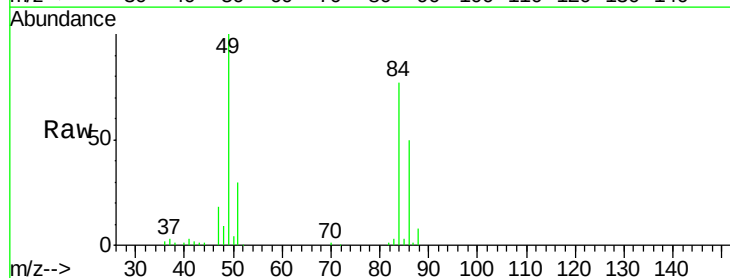
Instrument :
MSVOA_N
ClientSampleId :
OK-02-022519

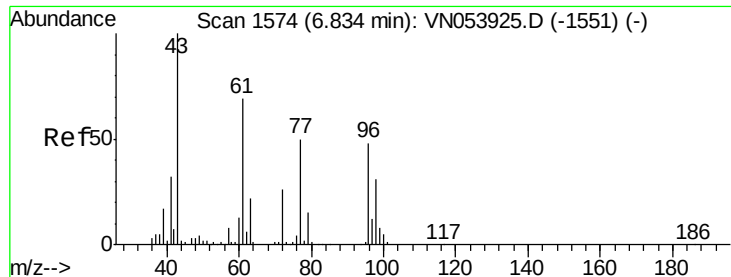
Tot Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
74 16.2 20.5 30.7#



#20
Methylene Chloride
Concen: 47.787 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion: 84 Resp: 309586
Ion Ratio Lower Upper
84 100
49 129.8 89.7 134.5
51 39.1 27.8 41.8
86 65.5 51.3 76.9

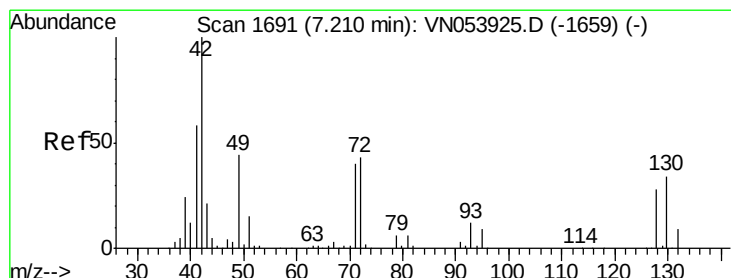
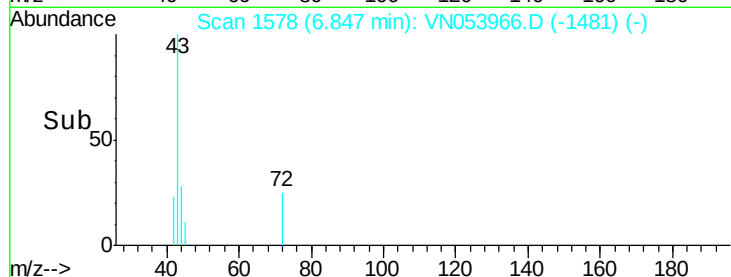
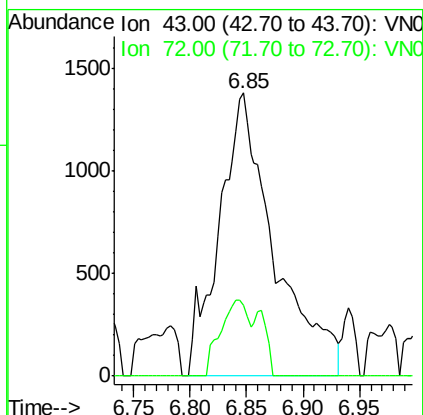
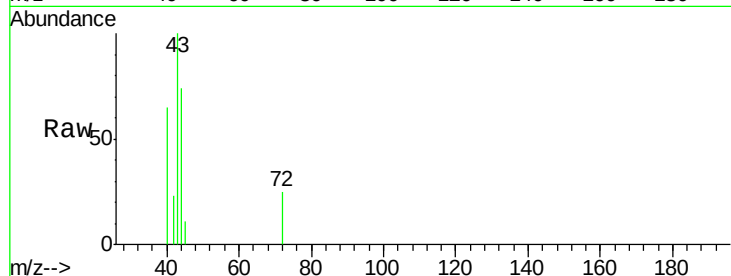




#25
 2-Butanone
 Concen: 1.807 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

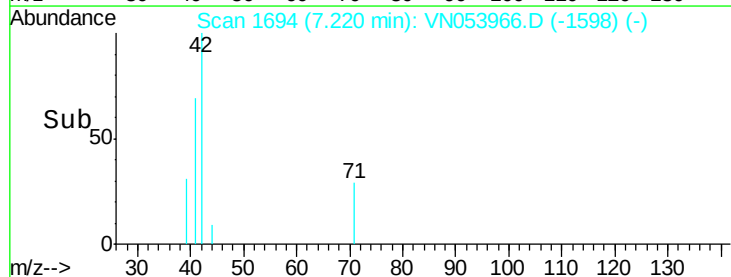
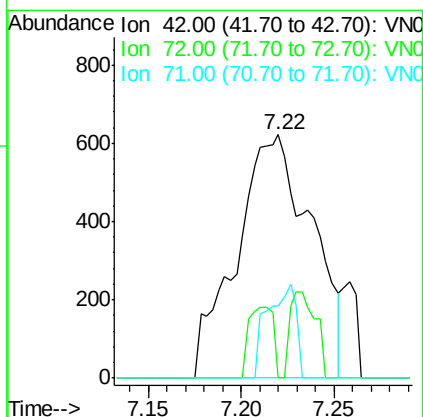
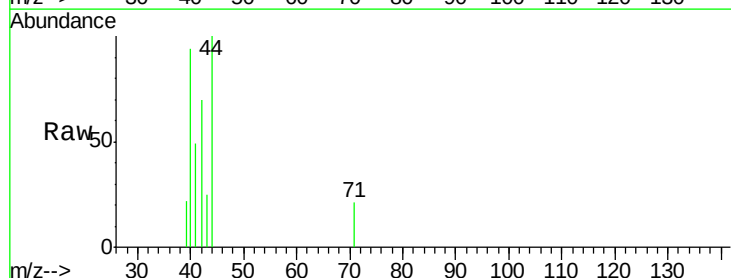
Instrument :
 MSVOA_N
 ClientSampled :
 OK-02-022519

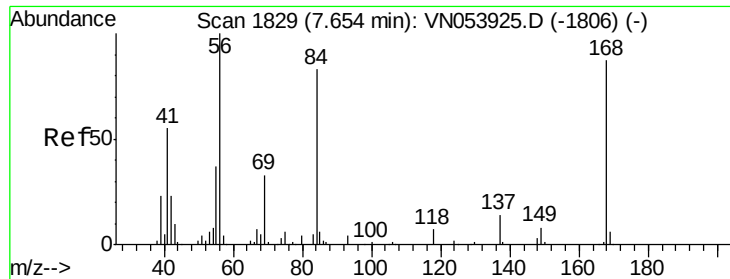
Tot Ion: 43 Resp: 4644
 Ion Ratio Lower Upper
 43 100
 72 24.9 22.1 33.1



#29
 Tetrahydrofuran
 Concen: 1.025 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion: 42 Resp: 1755
 Ion Ratio Lower Upper
 42 100
 72 12.1 36.9 55.3#
 71 14.7 34.6 52.0#





#31

Cyclohexane

Concen: 0.594 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

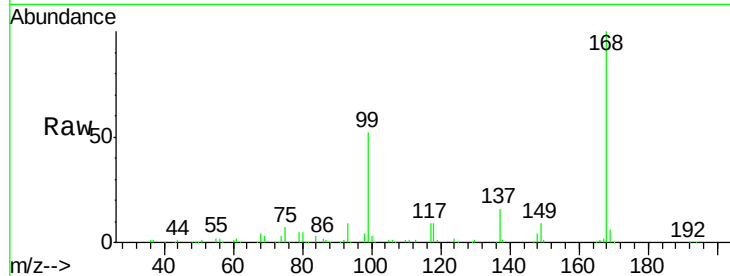
Tot Ion: 56 Resp: 10458

Ion Ratio Lower Upper

56 100

69 175.2 26.0 39.0#

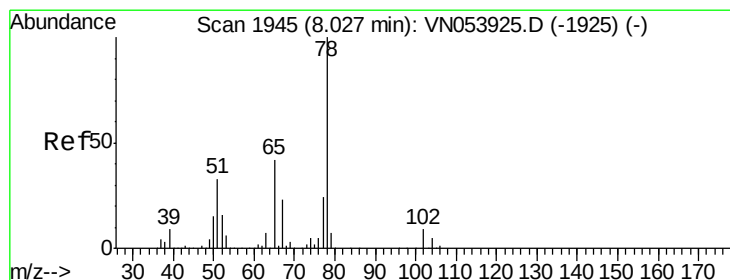
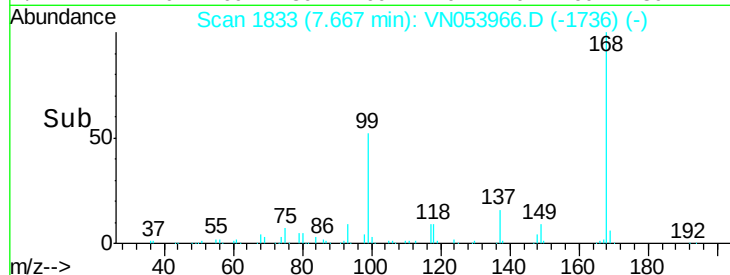
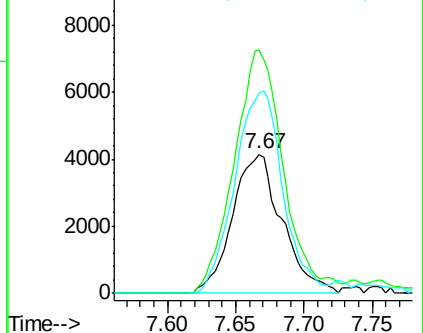
84 143.5 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 57.757 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053966.D

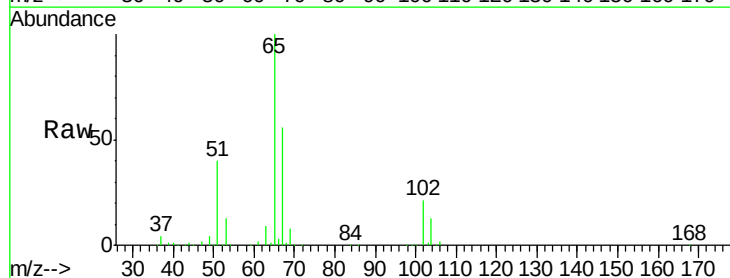
Acq: 26 Feb 2019 20:12

Tgt Ion: 65 Resp: 378061

Ion Ratio Lower Upper

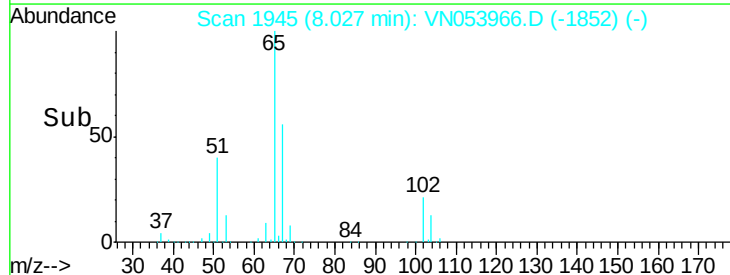
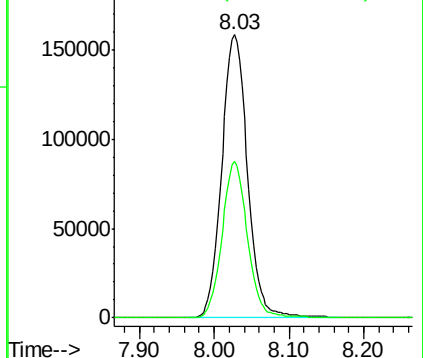
65 100

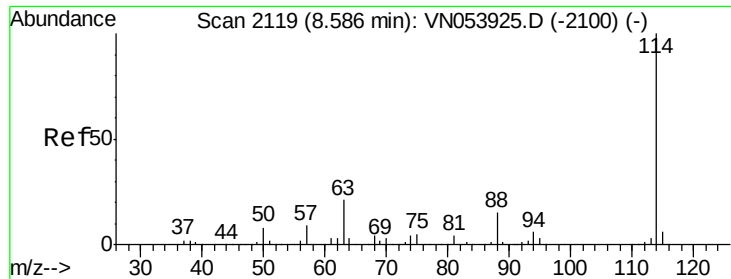
67 54.5 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

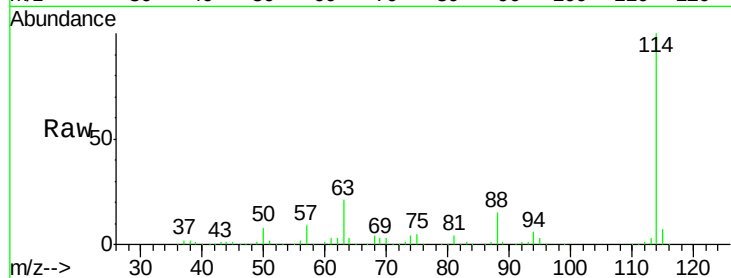




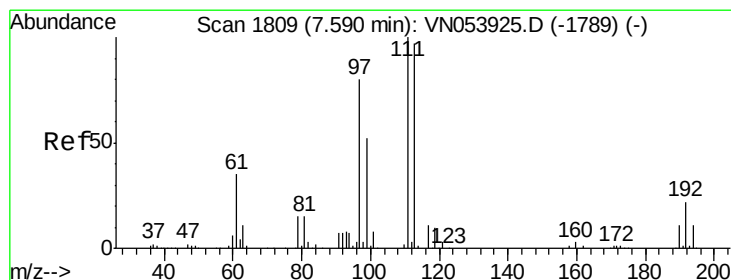
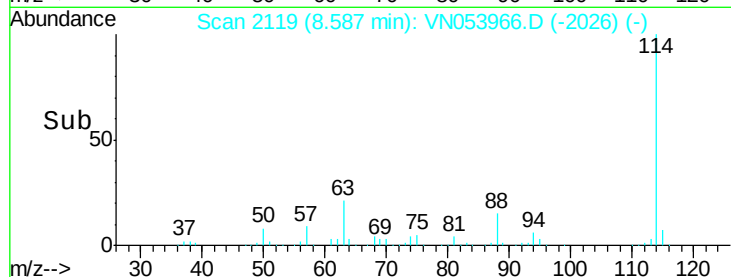
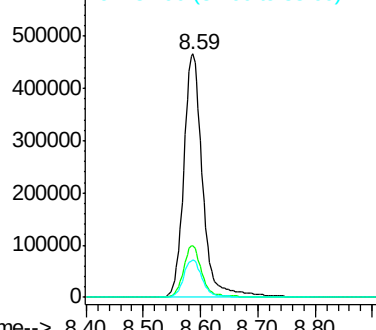
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Instrument :
MSVOA_N
ClientSampleId :
OK-02-022519

Tot Ion:114 Resp: 1066396
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.4
88 15.2 0.0 30.4

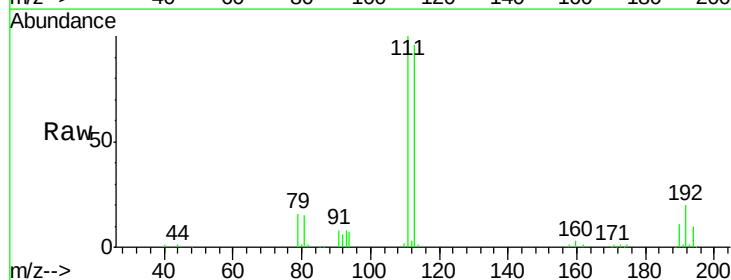


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

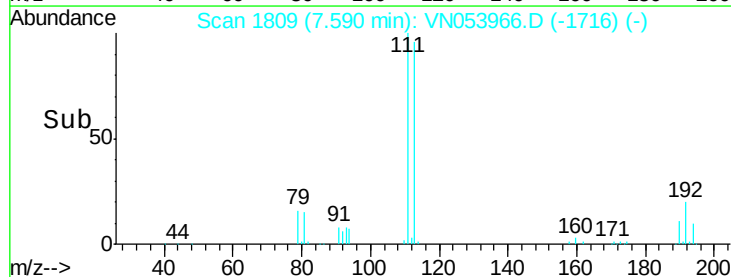
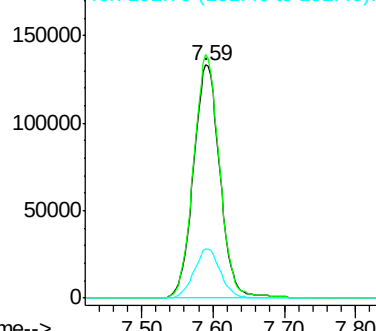


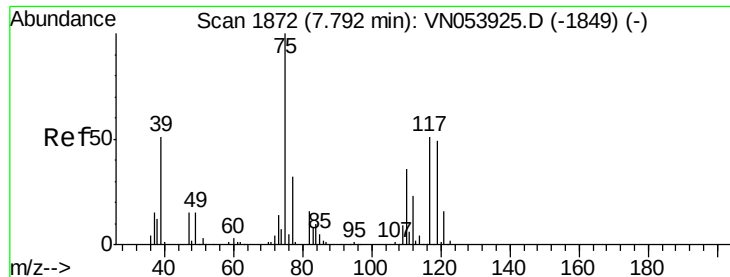
#35
Dibromofluoromethane
Concen: 50.015 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion:113 Resp: 344898
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 21.0 18.8 28.2



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: 4.042 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

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ClientSampleId :

OK-02-022519

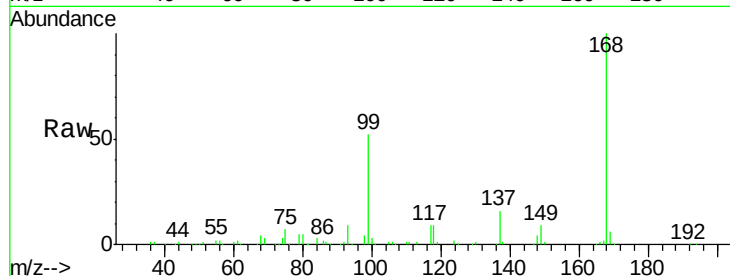
Tot Ion: 75 Resp: 40089

Ion Ratio Lower Upper

75 100

110 8.0 19.0 57.0#

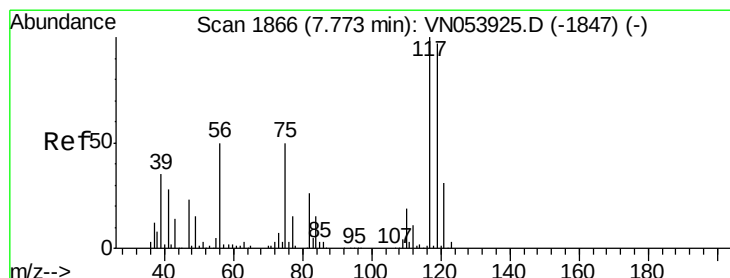
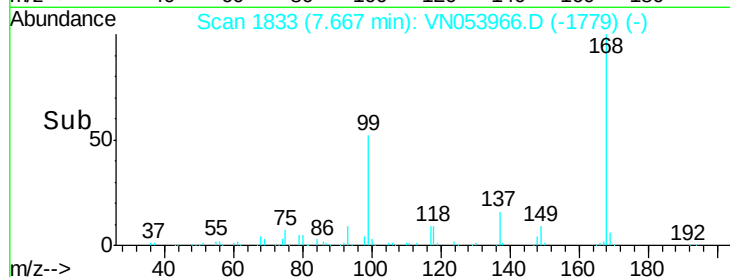
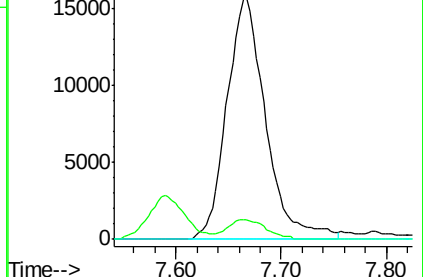
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053925.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053925.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 4.835 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

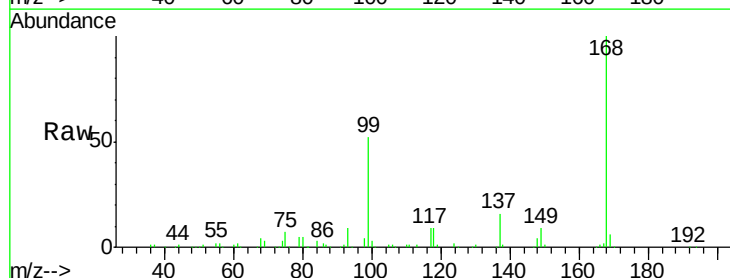
Tgt Ion: 117 Resp: 49864

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

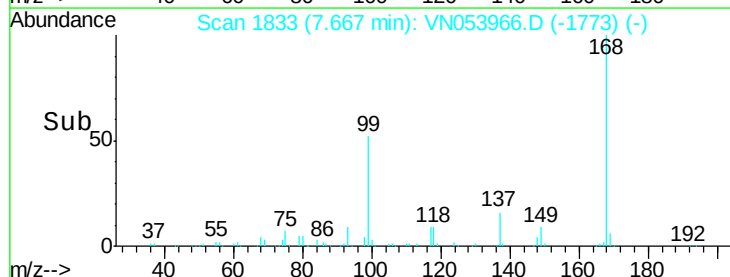
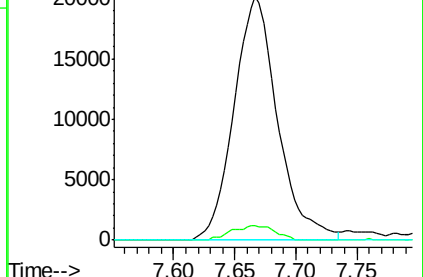
121 0.0 24.6 36.8#

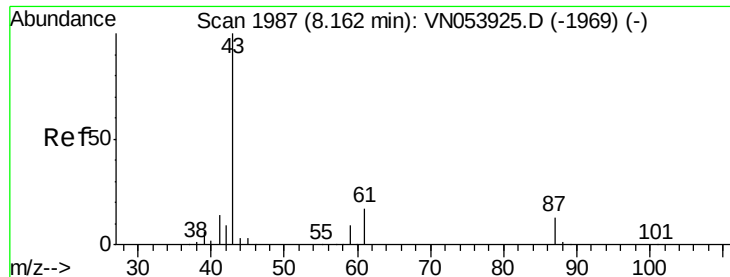


Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 2.617 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

OK-02-022519

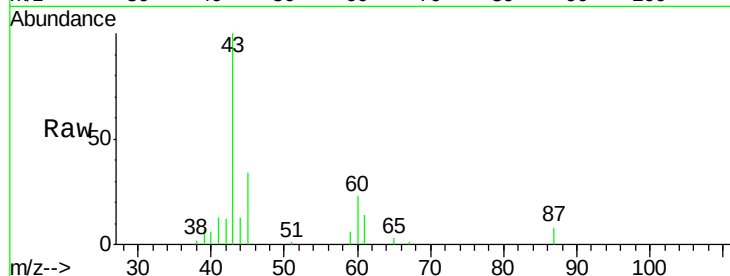
Tot Ion: 43 Resp: 31293

Ion Ratio Lower Upper

43 100

61 17.0 17.4 26.0#

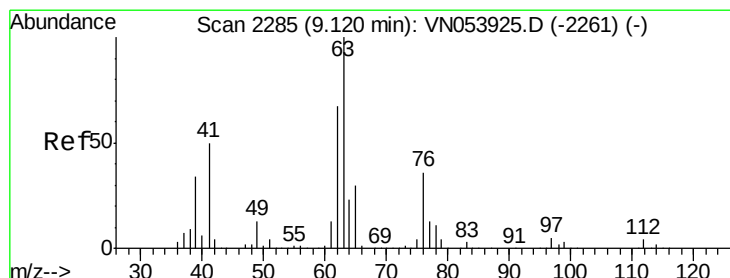
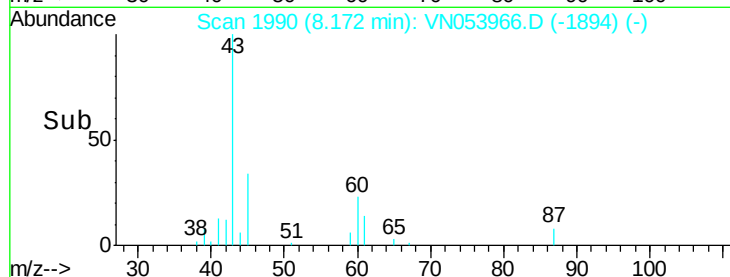
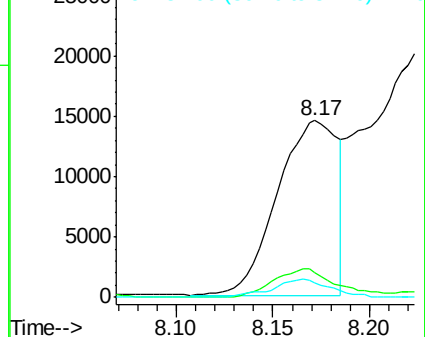
87 9.8 11.5 17.3#



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



#45

1,2-Dichloropropane

Concen: 0.235 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053966.D

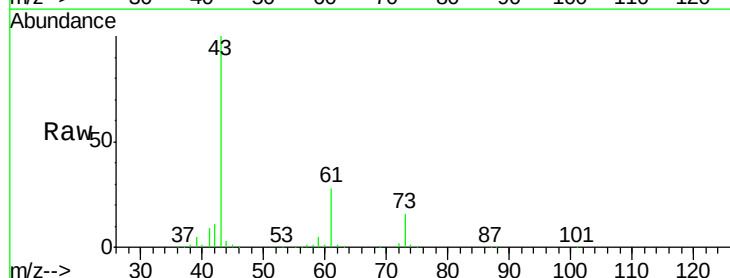
Acq: 26 Feb 2019 20:12

Tgt Ion: 63 Resp: 1930

Ion Ratio Lower Upper

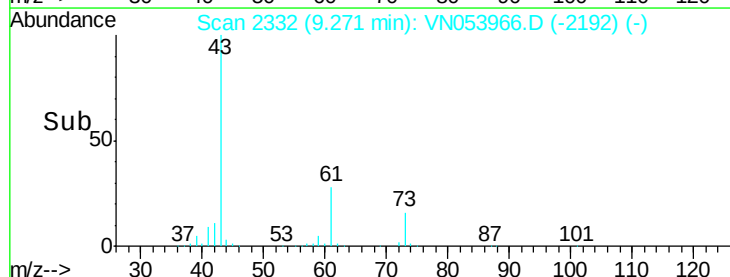
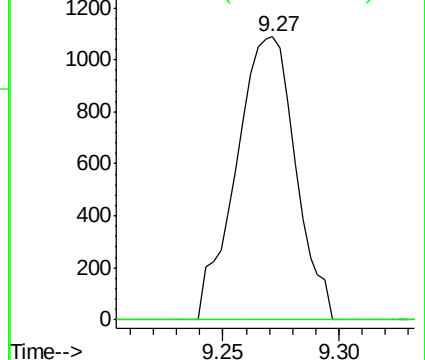
63 100

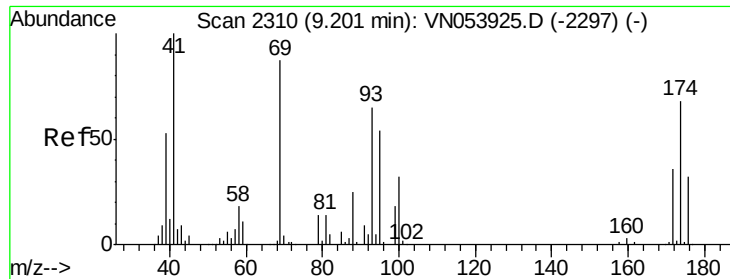
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

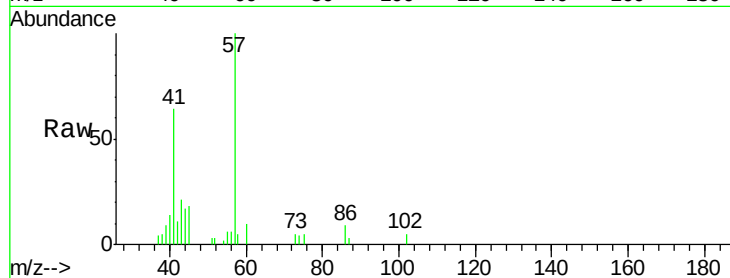




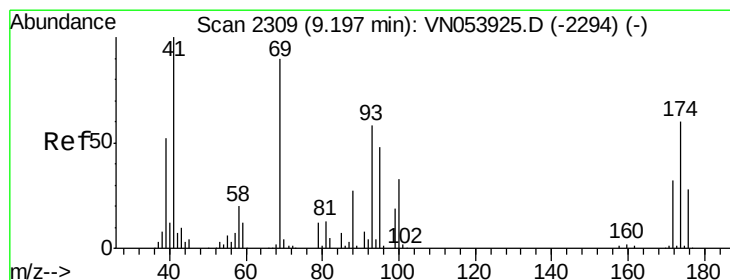
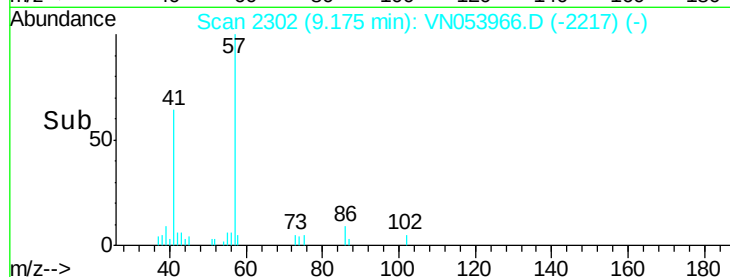
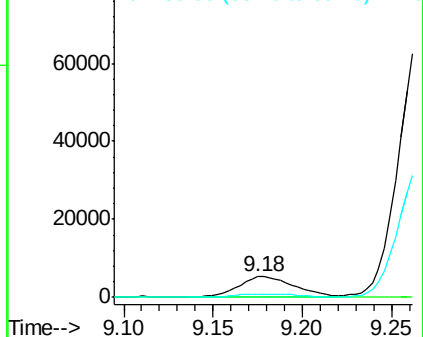
#48
Methvl methacrylate
Concen: 2.123 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Instrument :
MSVOA_N
ClientSampleId :
OK-02-022519

Tot Ion: 41 Resp: 11676
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 0.0 39.0 58.6#

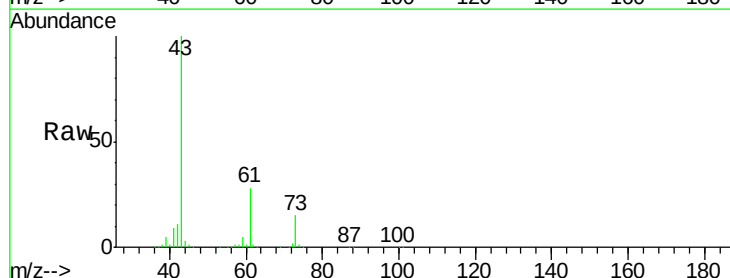


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

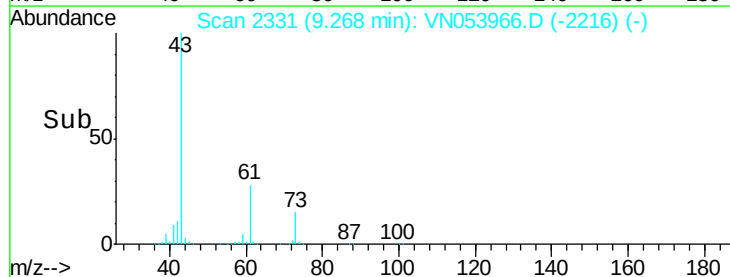
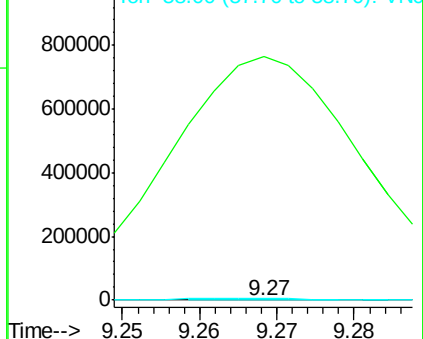


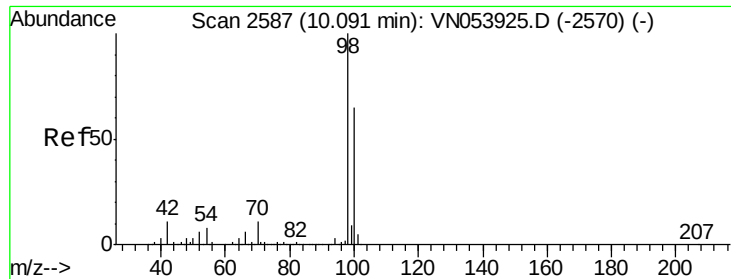
#49
1,4-Dioxane
Concen: 1.396 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 1466968.3 21.2 31.8#
58 8488.5 54.2 81.2#



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





#50

Toluene-d8

Concen: 52.749 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

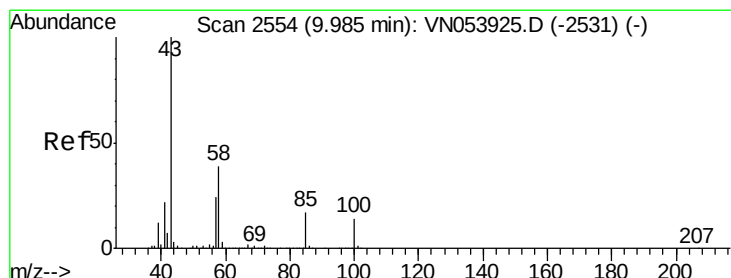
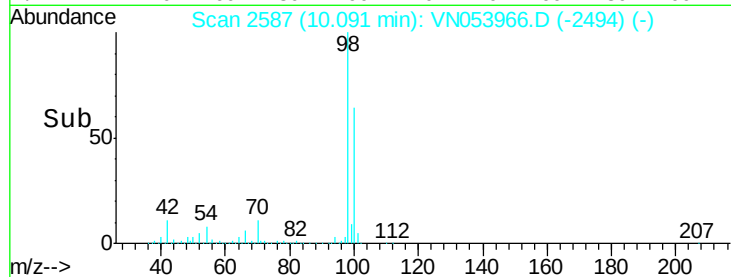
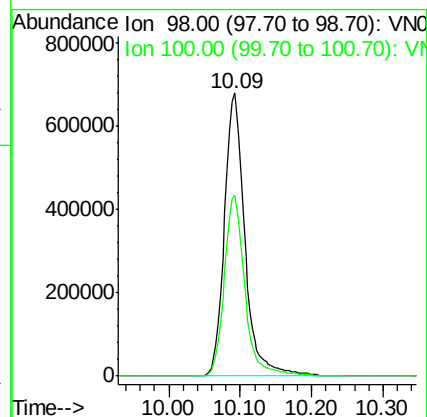
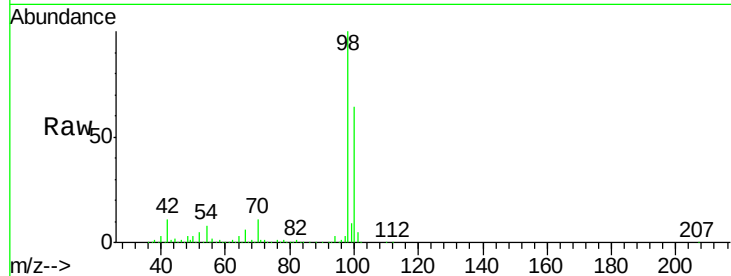
OK-02-022519

Tot Ion: 98 Resp: 1354086

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.309 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053966.D

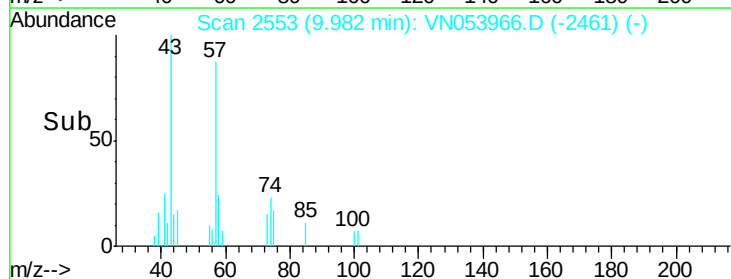
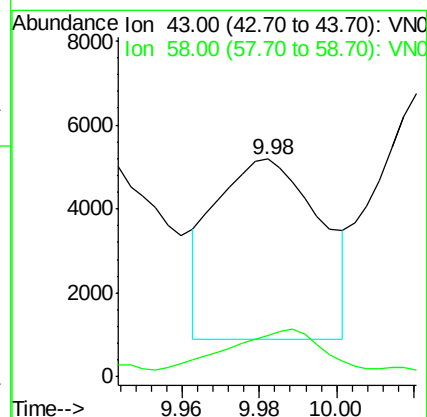
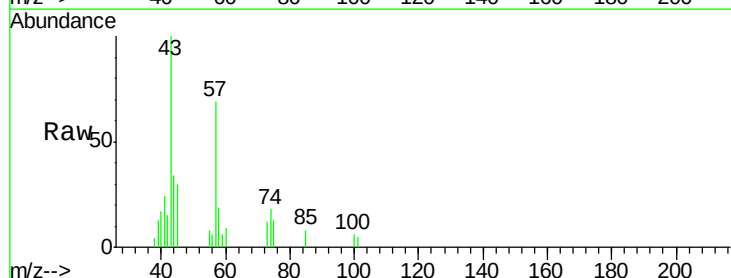
Acq: 26 Feb 2019 20:12

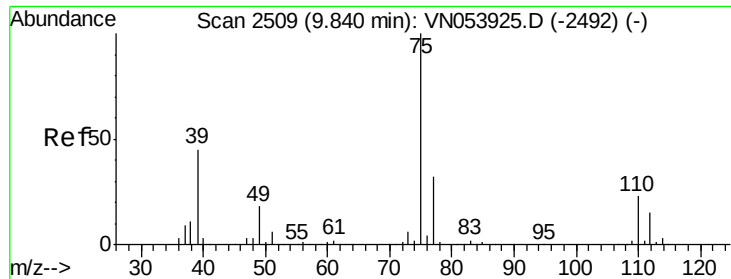
Tgt Ion: 43 Resp: 8043

Ion Ratio Lower Upper

43 100

58 20.3 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 5.656 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

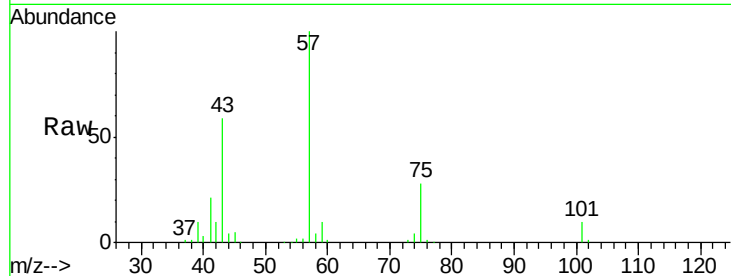
Tot Ion: 75 Resp: 65243

Ion Ratio Lower Upper

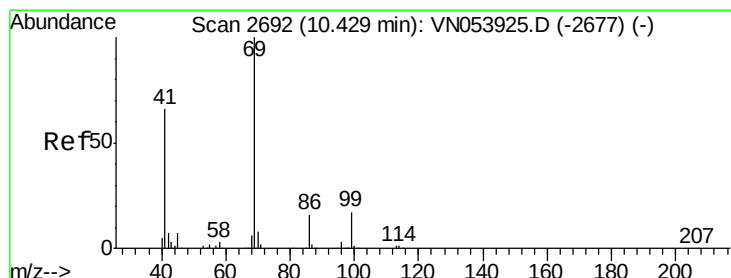
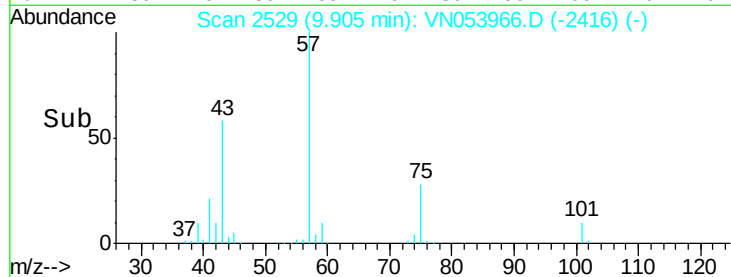
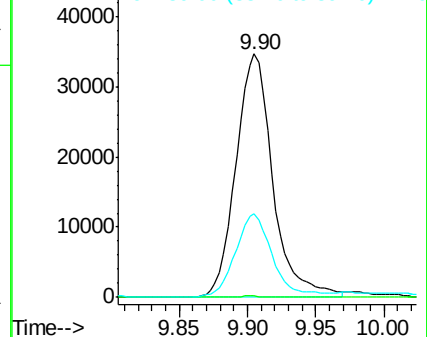
75 100

77 0.5 25.8 38.6#

39 34.1 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.104 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

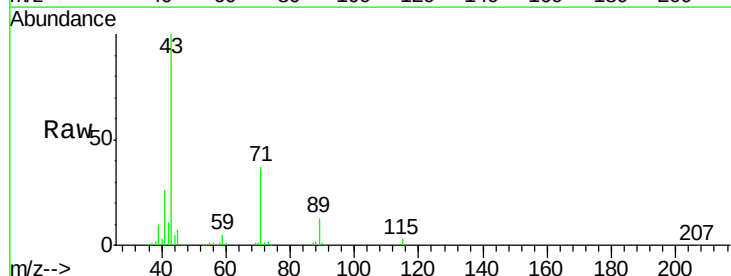
Tgt Ion: 69 Resp: 1361

Ion Ratio Lower Upper

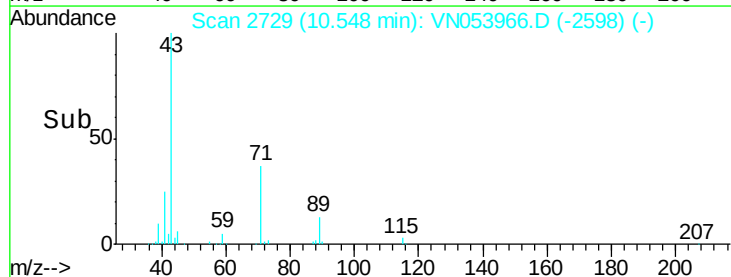
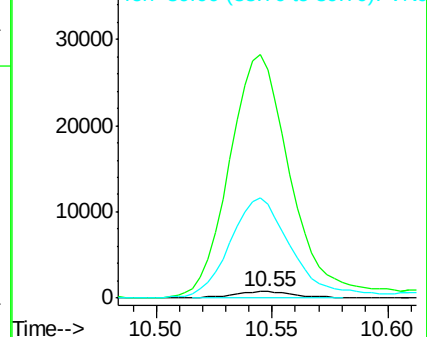
69 100

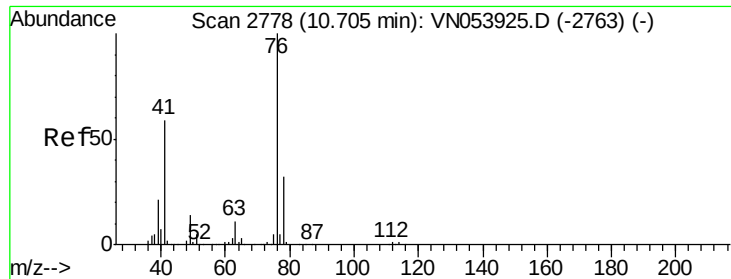
41 3846.4 47.5 71.3#

39 1593.3 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

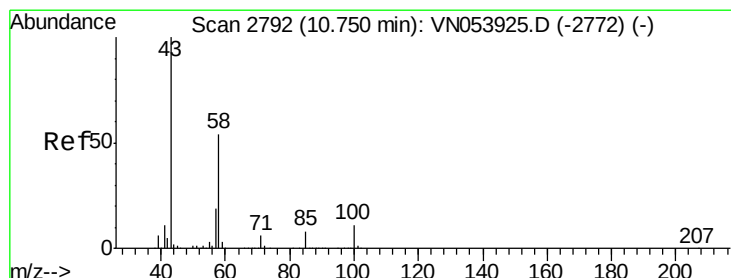
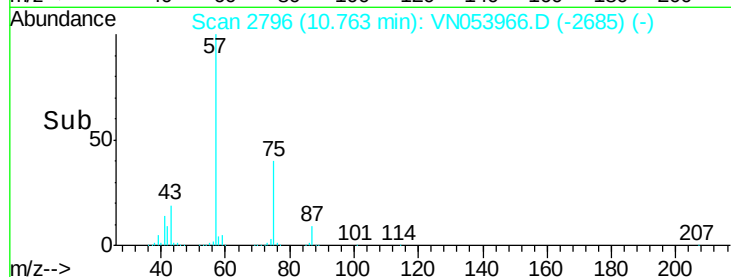
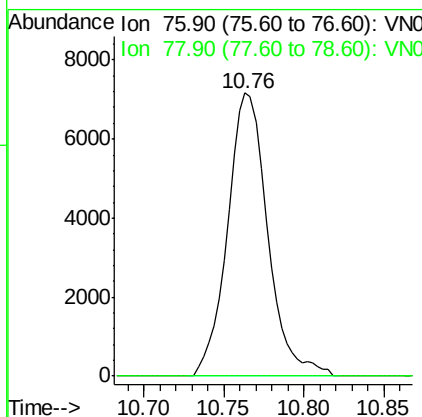
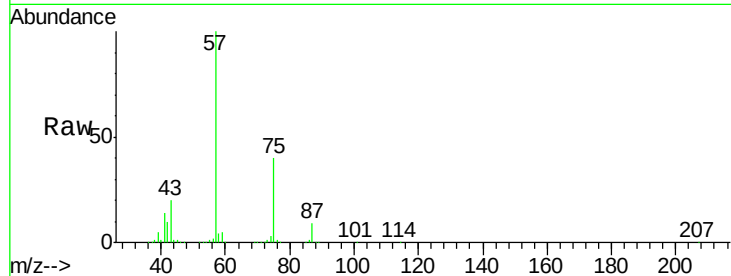




#57
 1,3-Dichloropropane
 Concen: 1.082 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

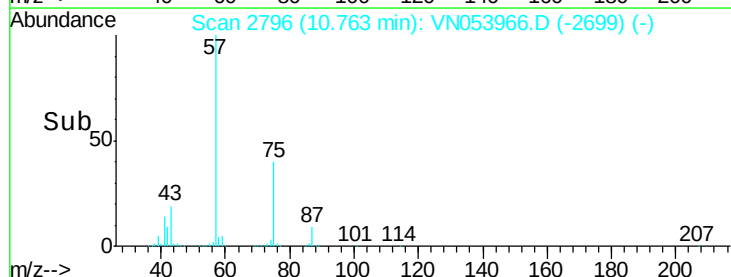
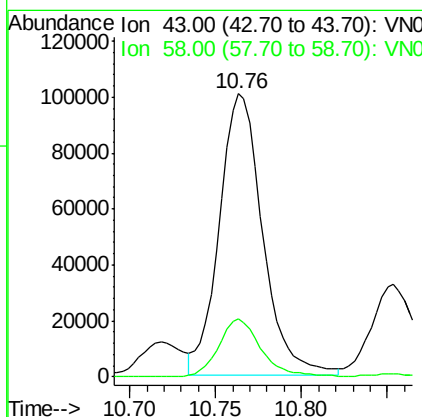
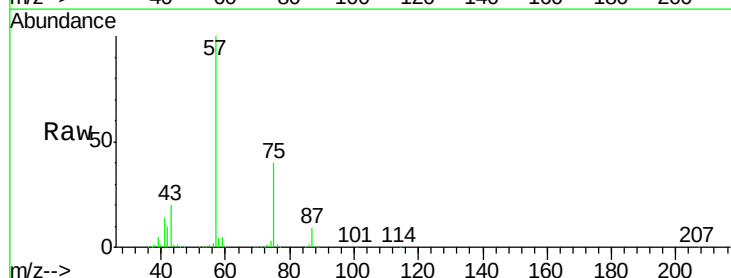
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

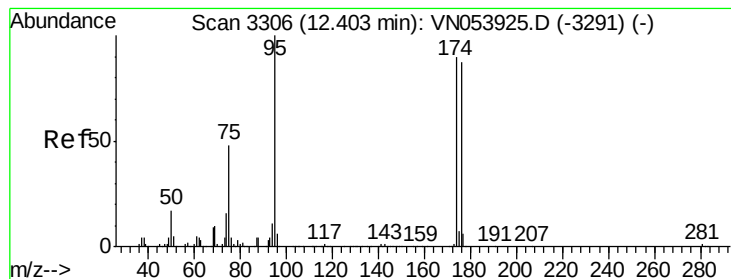
Tot Ion: 76 Resp: 12248
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 44.362 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion: 43 Resp: 177263
 Ion Ratio Lower Upper
 43 100
 58 20.2 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 55.143 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

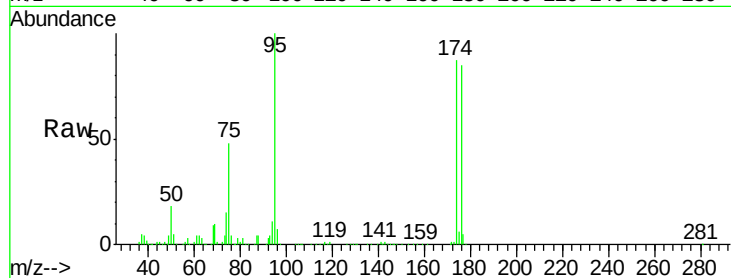
Tot Ion: 95 Resp: 471622

Ion Ratio Lower Upper

95 100

174 86.4 0.0 188.8

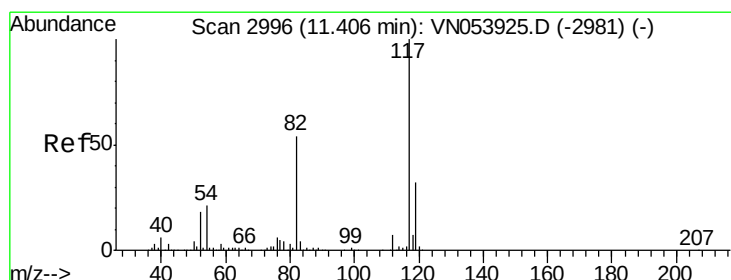
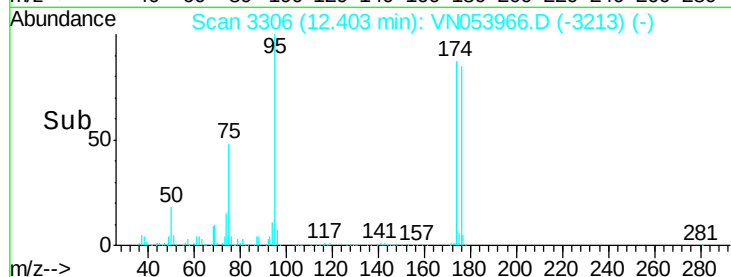
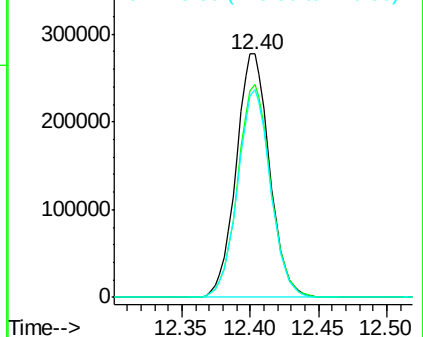
176 84.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053966.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053966.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053966.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

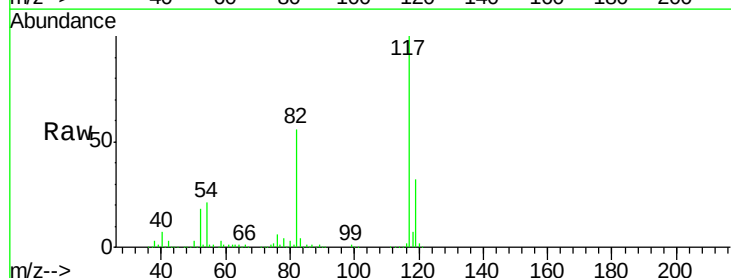
Tgt Ion: 117 Resp: 1051964

Ion Ratio Lower Upper

117 100

82 56.0 41.4 62.2

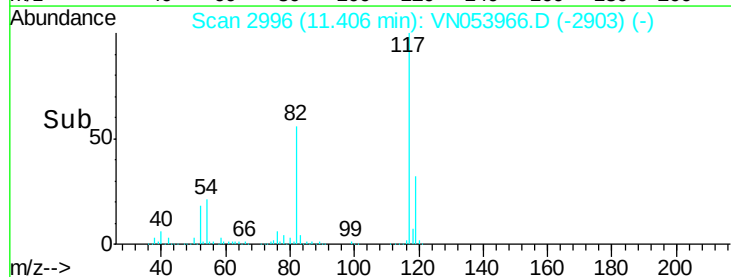
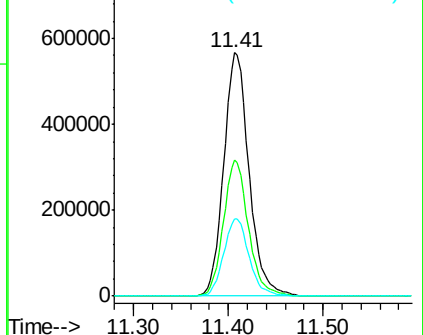
119 31.9 25.3 37.9

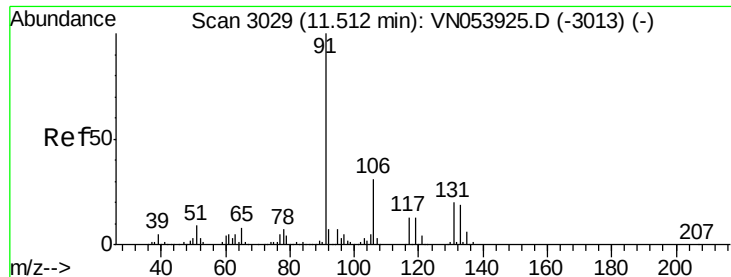


Abundance Ion 116.90 (116.60 to 117.60): VN053966.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053966.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053966.D (-2903) (-)

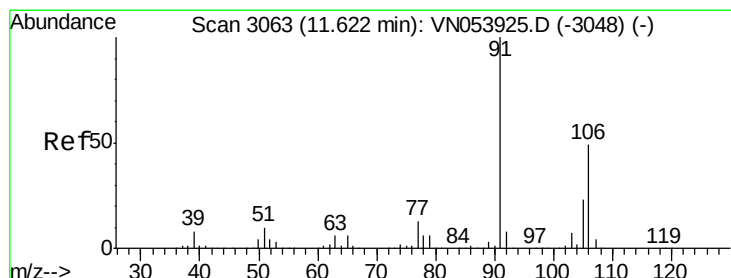
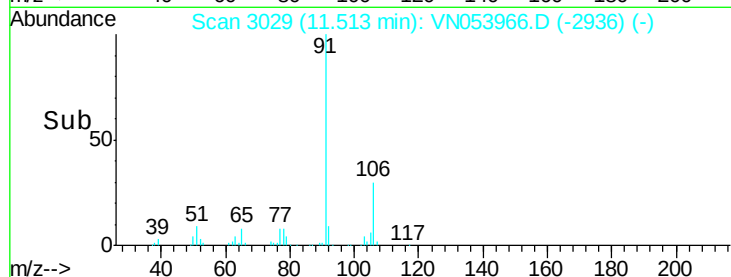
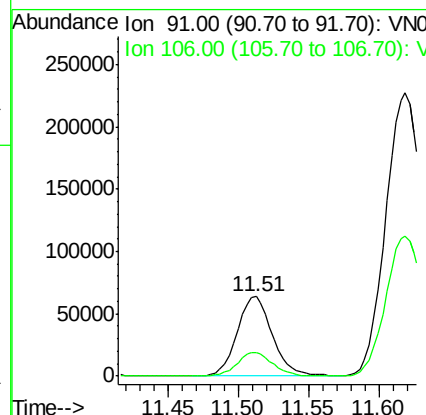
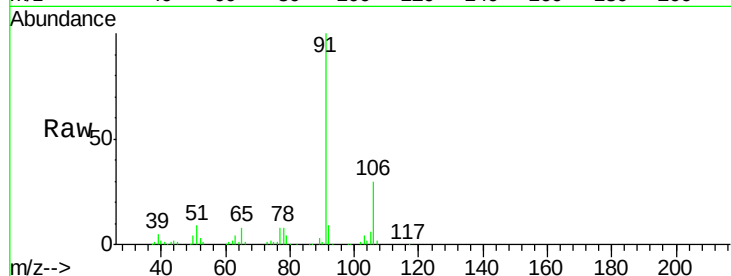




#67
Ethyl Benzene
Concen: 3.022 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

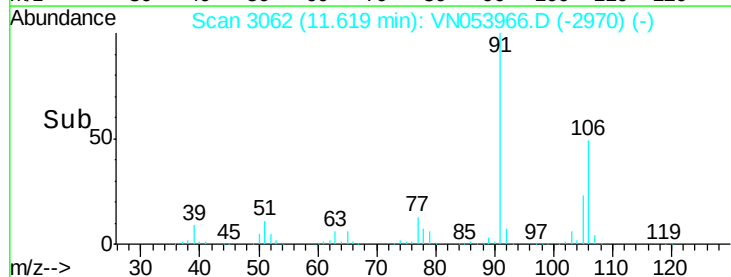
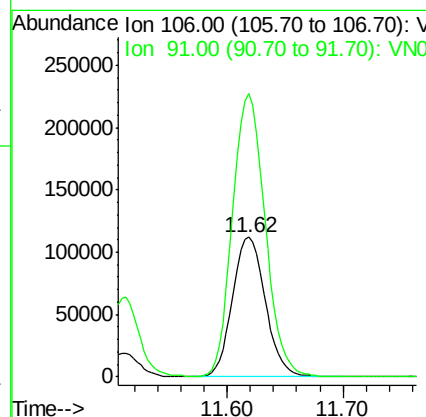
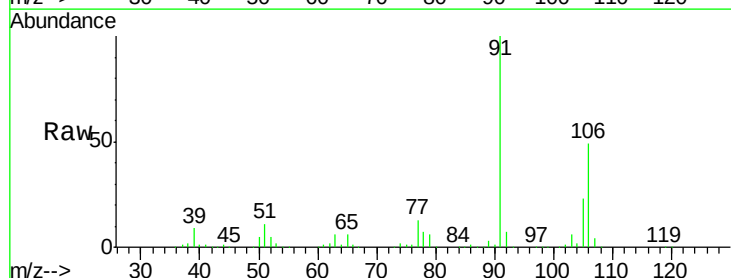
Instrument :
MSVOA_N
ClientSampled :
OK-02-022519

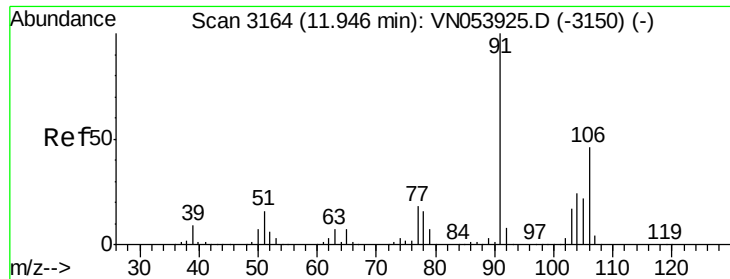
Tot Ion: 91 Resp: 112465
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8



#68
m/p-Xylenes
Concen: 15.678 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion: 106 Resp: 220240
Ion Ratio Lower Upper
106 100
91 200.8 158.9 238.3

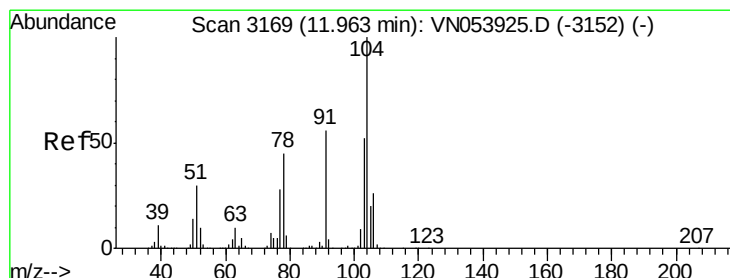
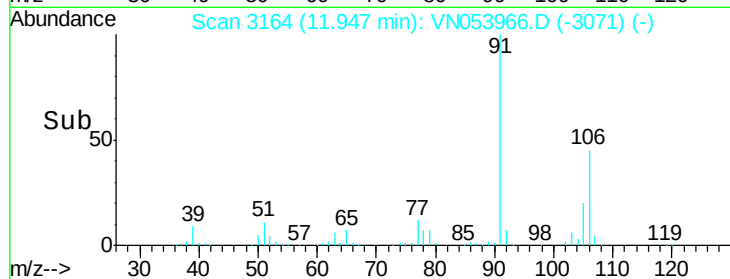
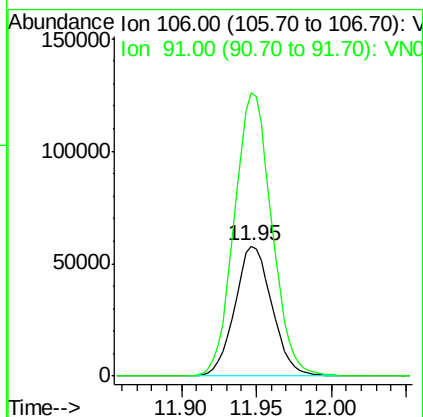
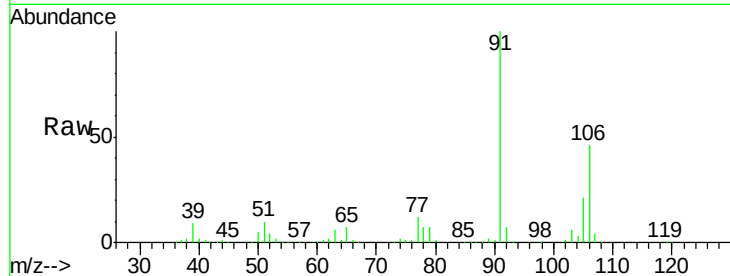




#69
o-Xylene
Concen: 7.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

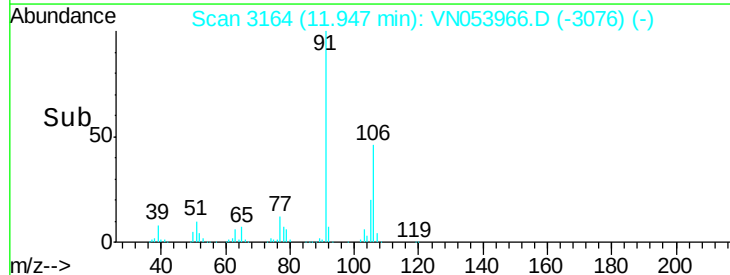
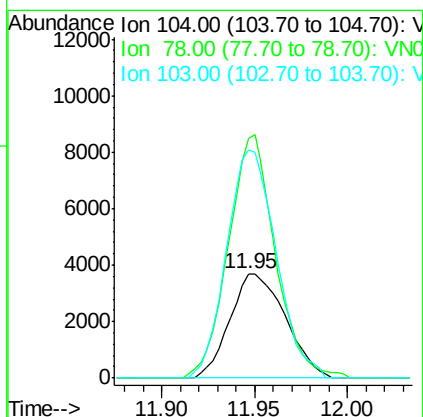
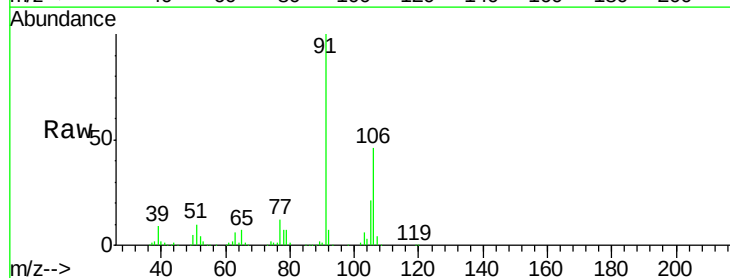
Instrument :
MSVOA_N
ClientSampleId :
OK-02-022519

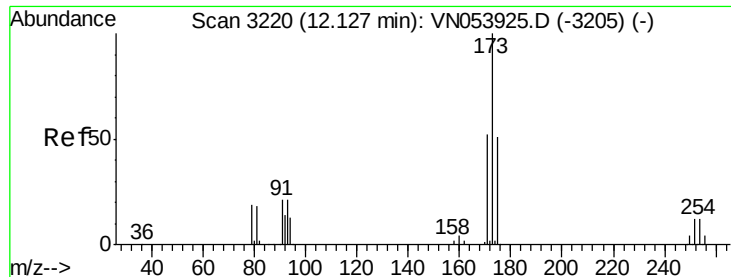
Tot Ion:106 Resp: 100133
Ion Ratio Lower Upper
106 100
91 220.0 106.0 318.0



#70
Styrene
Concen: 0.362 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion:104 Resp: 7680
Ion Ratio Lower Upper
104 100
78 197.3 38.1 57.1#
103 194.8 44.6 67.0#





#71

Bromoform

Concen: 0.645 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

OK-02-022519

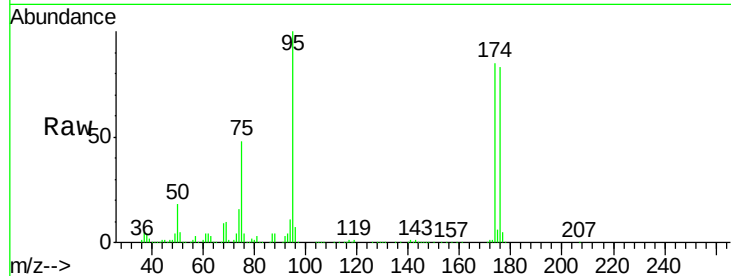
Tot Ion:173 Resp: 3593

Ion Ratio Lower Upper

173 100

175 713.0 24.3 72.8#

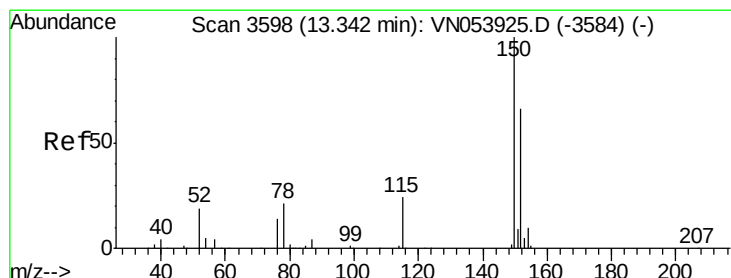
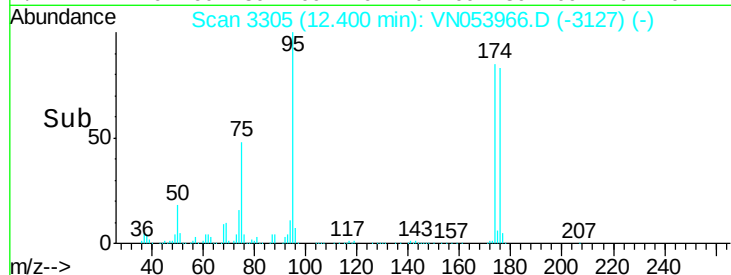
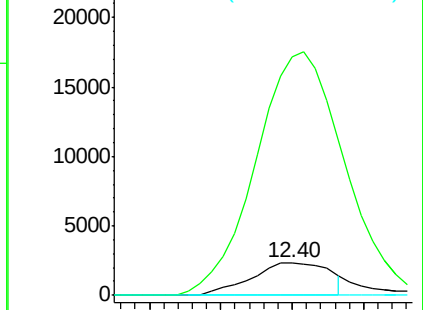
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

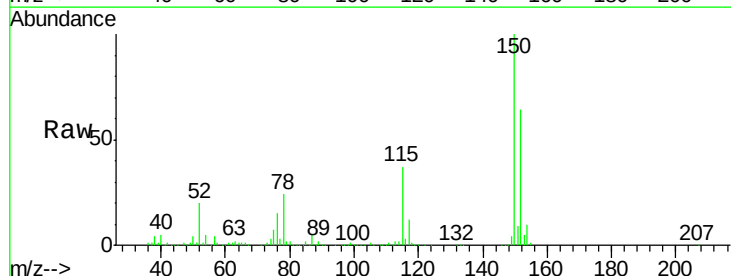
Tgt Ion:152 Resp: 426322

Ion Ratio Lower Upper

152 100

115 59.5 27.2 81.6

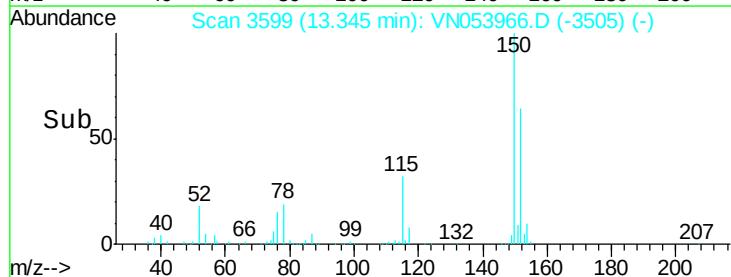
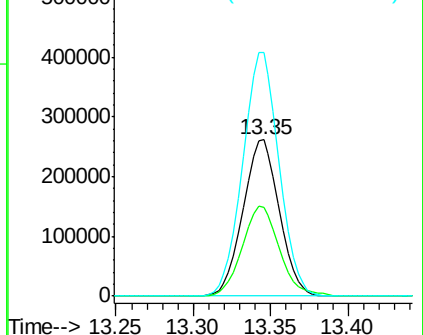
150 156.3 0.0 348.2

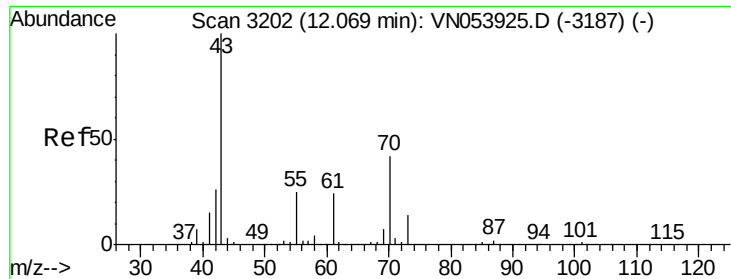


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.126 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

Tot Ion: 43 Resp: 18493

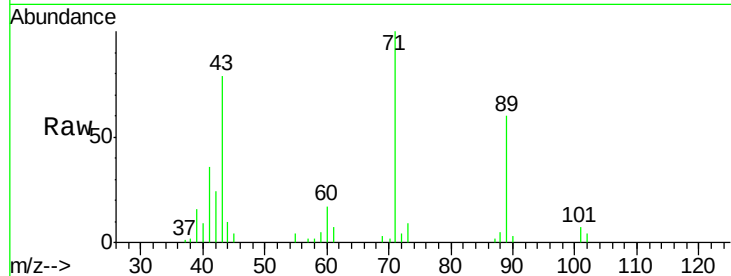
Ion Ratio Lower Upper

43 100

70 1.4 37.4 56.2#

55 5.9 21.4 32.0#

61 9.6 20.9 31.3#

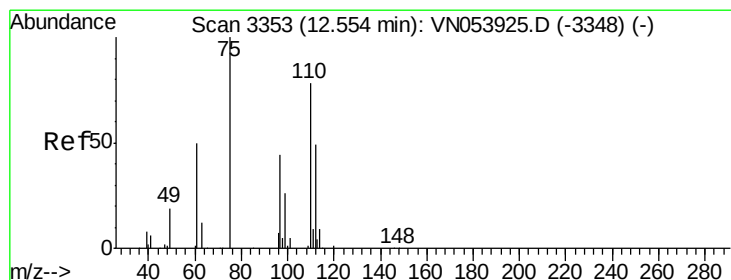
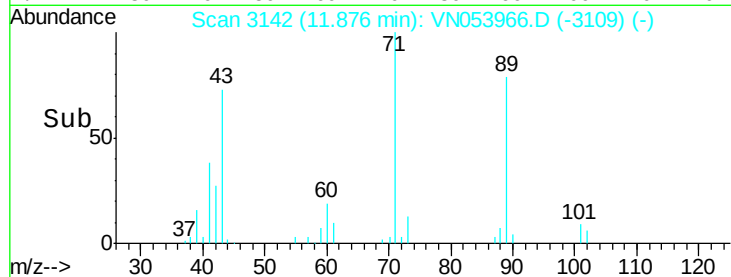
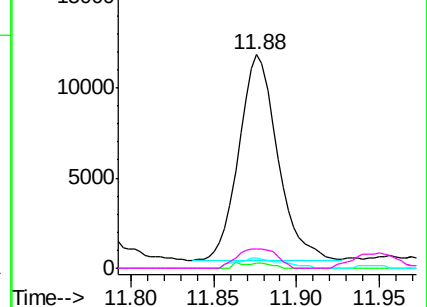


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 33.185 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053966.D

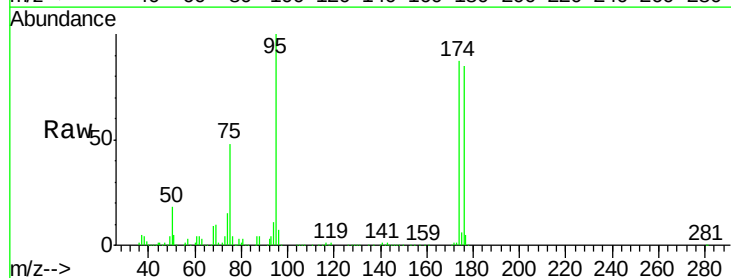
Acq: 26 Feb 2019 20:12

Tgt Ion: 75 Resp: 226952

Ion Ratio Lower Upper

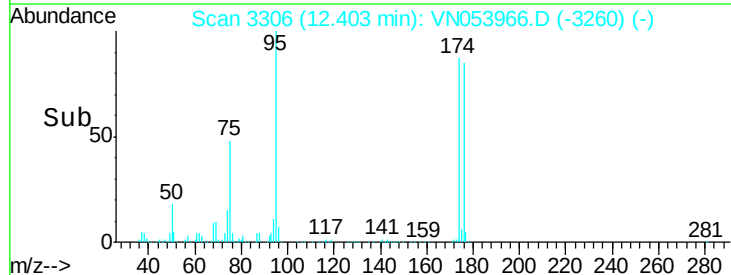
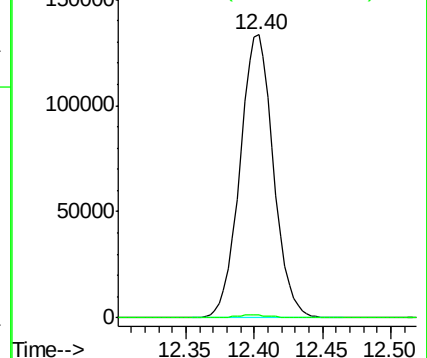
75 100

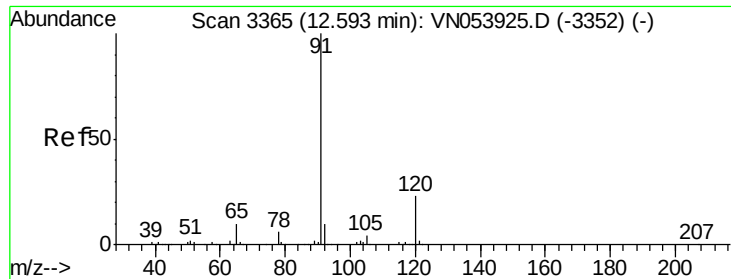
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.918 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

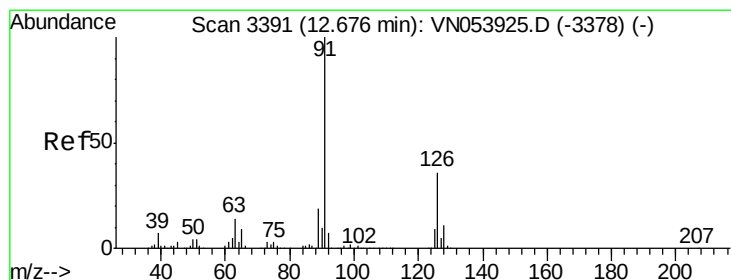
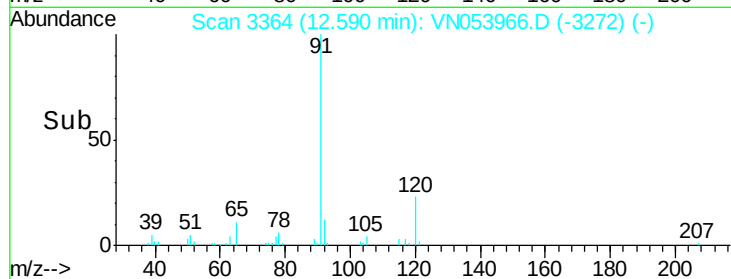
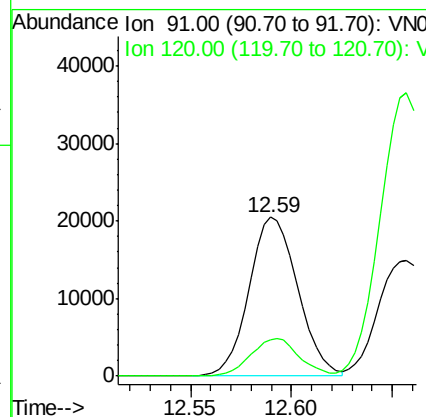
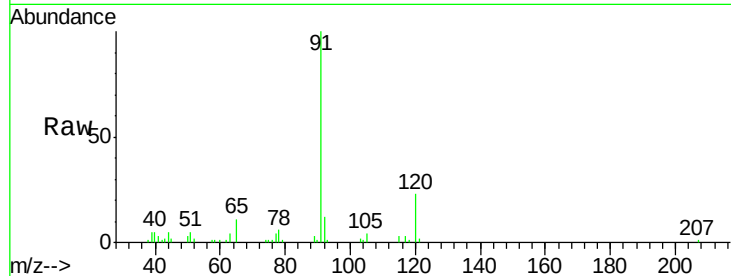
OK-02-022519

Tot Ion: 91 Resp: 34638

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.9



#79

2-Chlorotoluene

Concen: 1.184 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053966.D

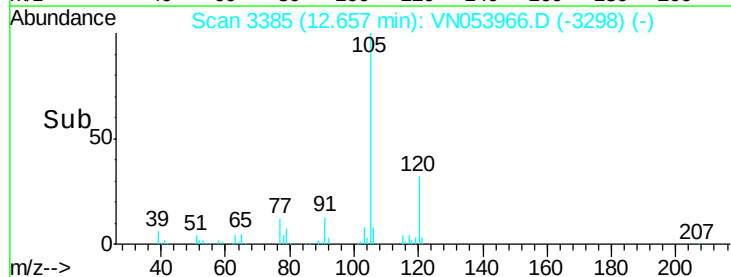
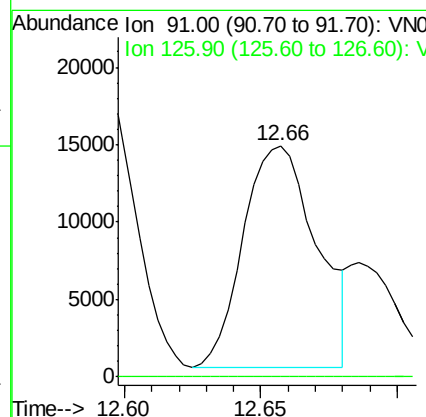
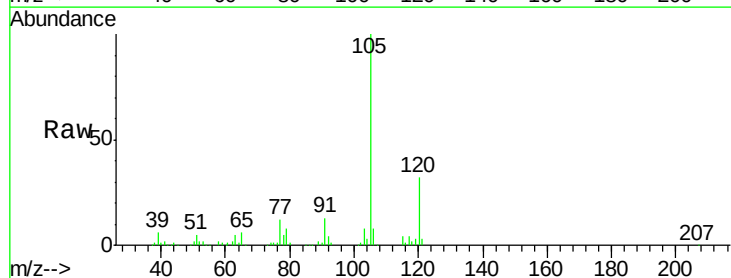
Acq: 26 Feb 2019 20:12

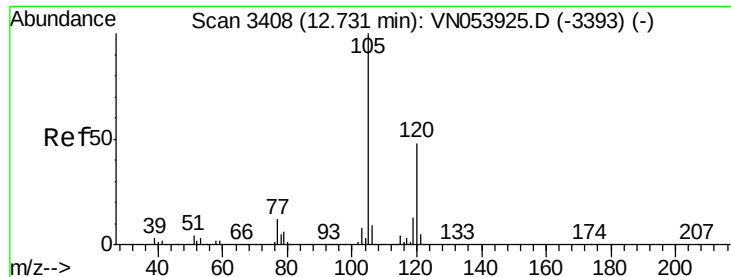
Tgt Ion: 91 Resp: 26837

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#

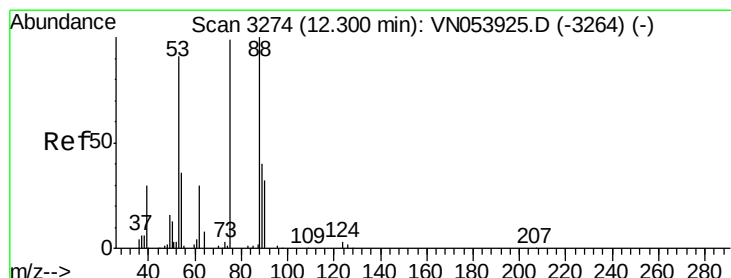
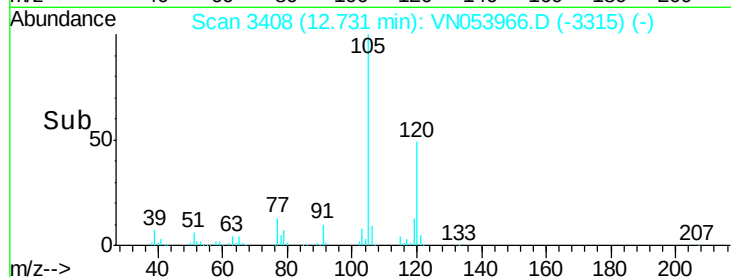
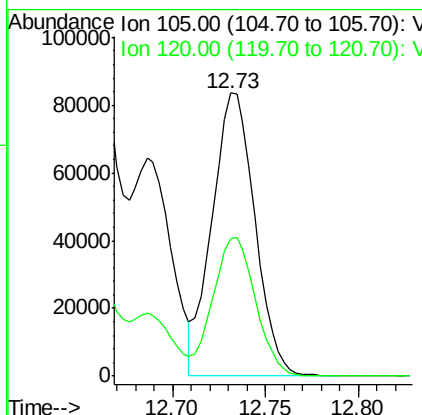
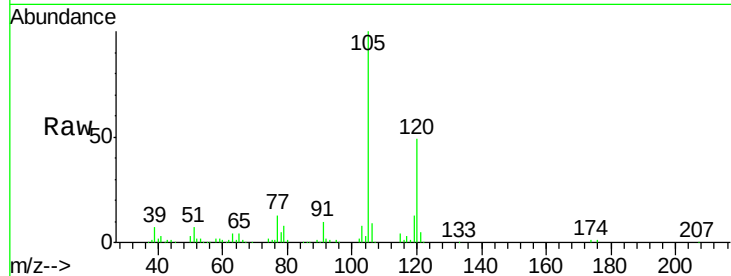




#80
 1,3,5-Trimethylbenzene
 Concen: 4.907 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

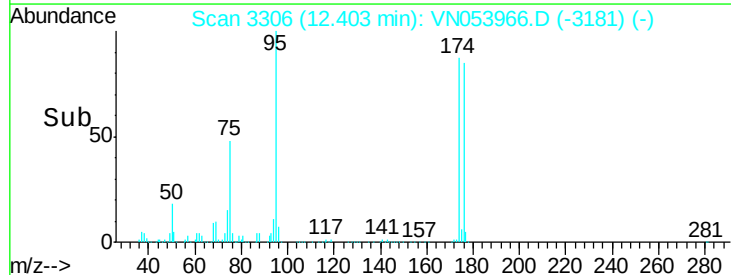
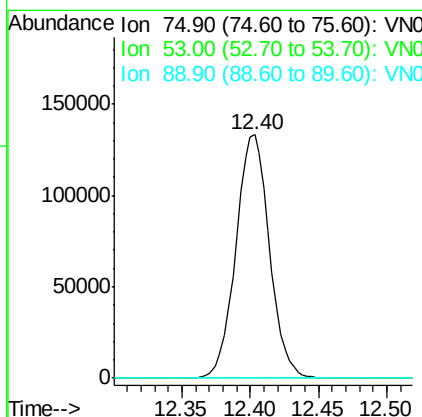
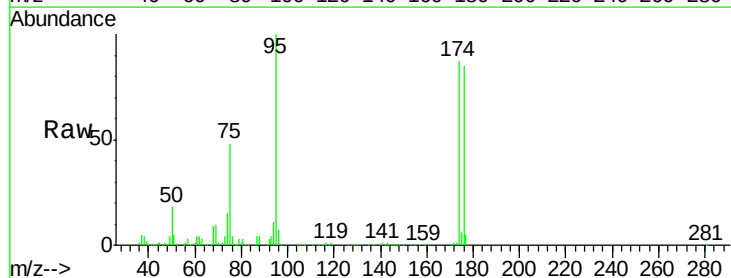
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

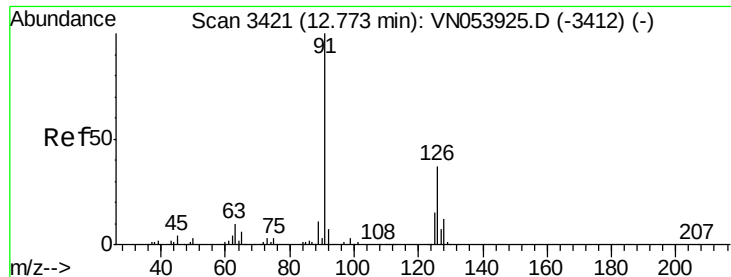
Tot Ion:105 Resp: 133304
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.886 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion: 75 Resp: 226952
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 35.3 52.9#





#82

4-Chlorotoluene

Concen: 0.672 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

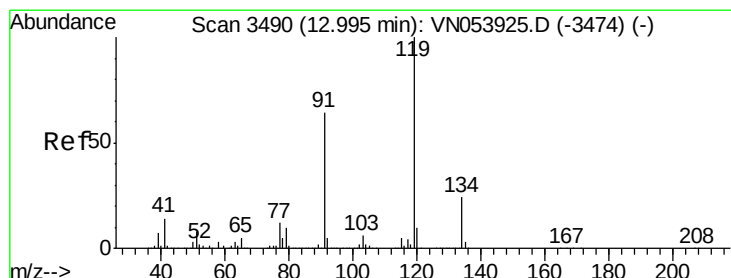
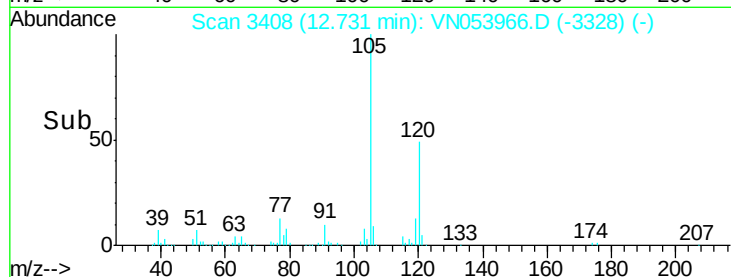
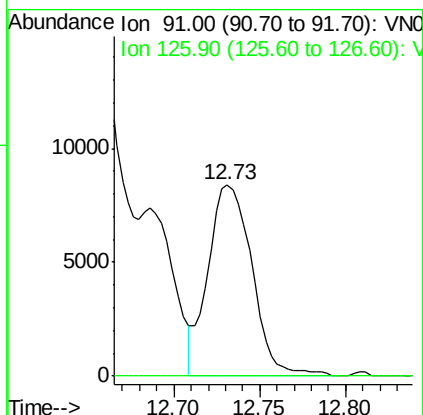
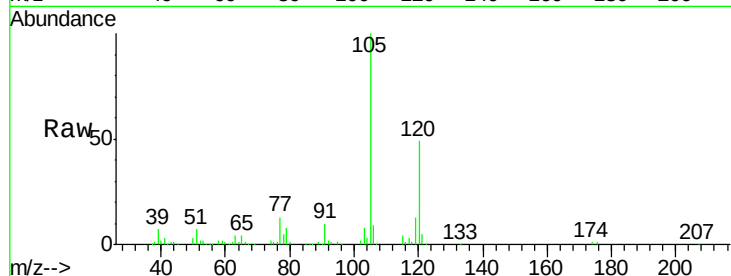
OK-02-022519

Tot Ion: 91 Resp: 15059

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#



#83

tert-Butylbenzene

Concen: 3.857 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

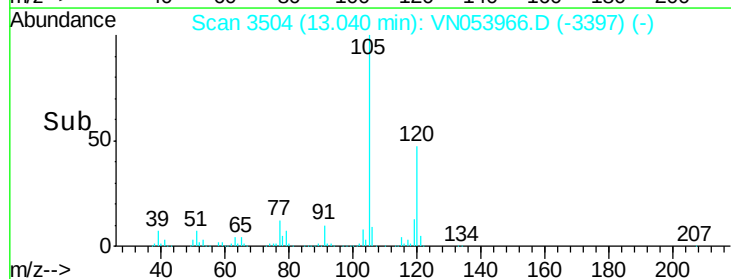
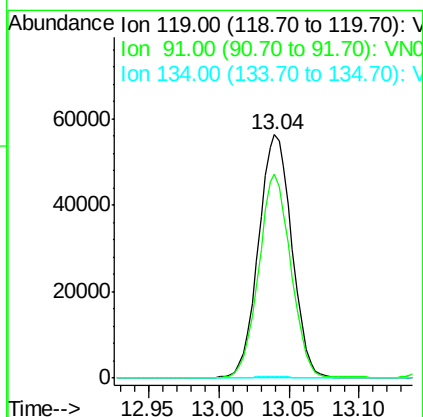
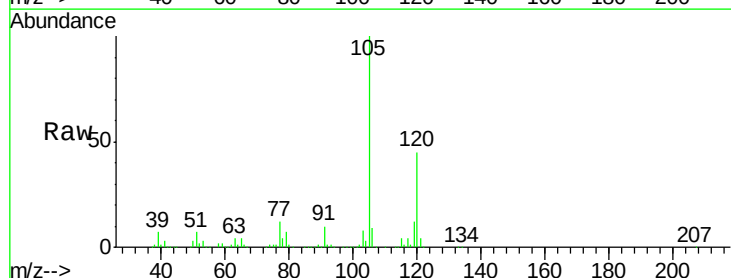
Tgt Ion: 119 Resp: 92669

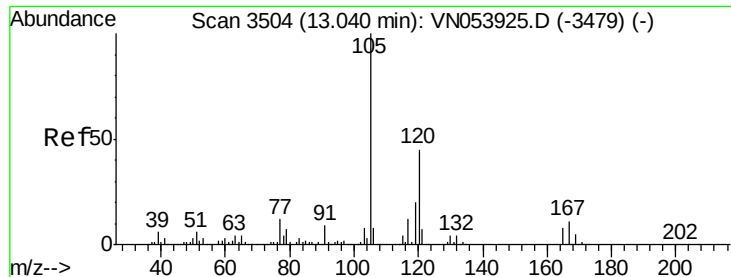
Ion Ratio Lower Upper

119 100

91 81.0 30.6 91.8

134 0.9 13.0 39.0#





#84

1,2,4-Trimethylbenzene

Concen: 27.124 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

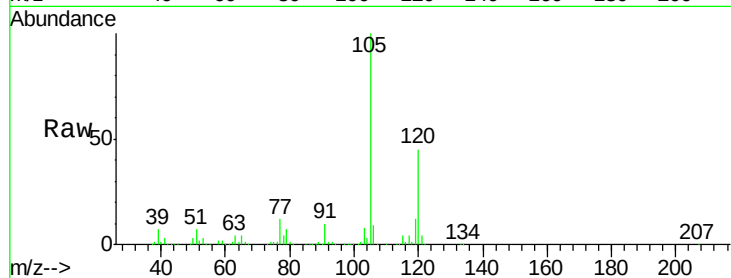
OK-02-022519

Tot Ion:105 Resp: 735699

Ion Ratio Lower Upper

105 100

120 45.5 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

500000

400000

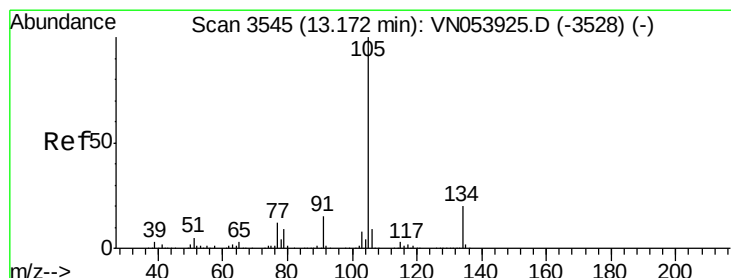
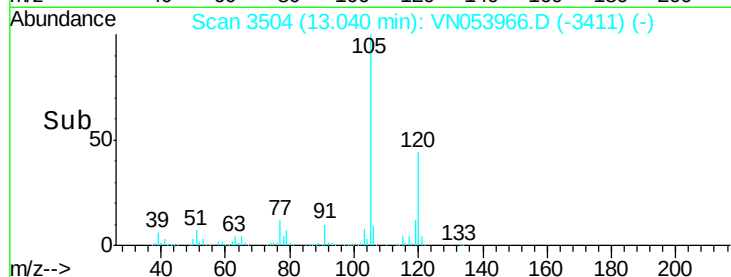
300000

200000

100000

0

Time-->



#85

sec-Butylbenzene

Concen: 22.417 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053966.D

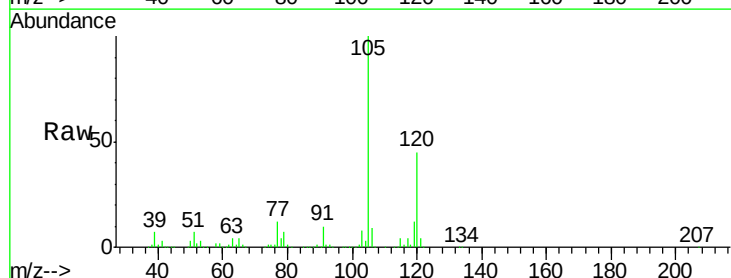
Acq: 26 Feb 2019 20:12

Tgt Ion:105 Resp: 735699

Ion Ratio Lower Upper

105 100

134 0.1 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

500000

400000

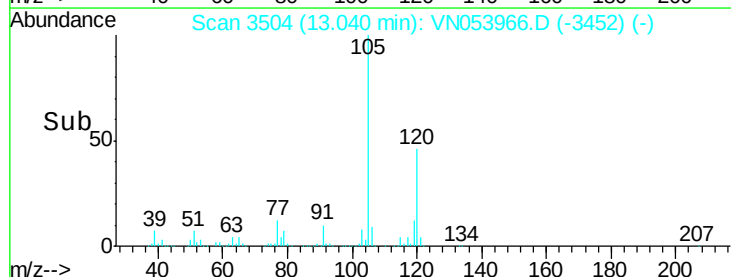
300000

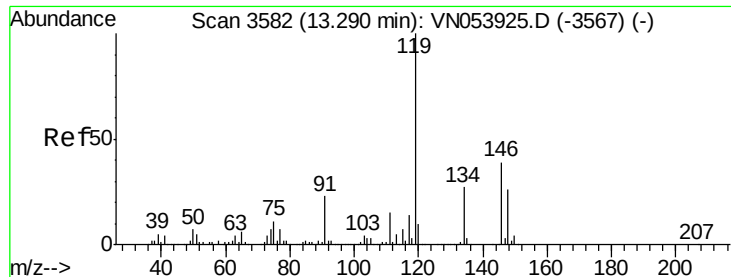
200000

100000

0

Time-->

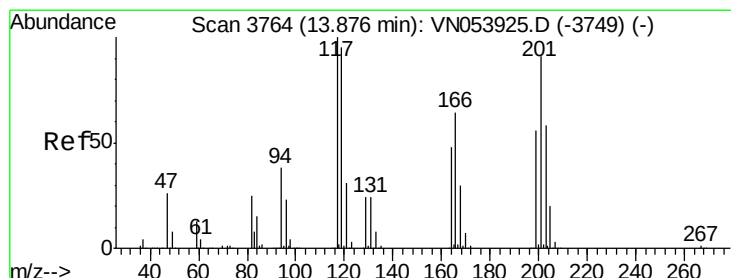
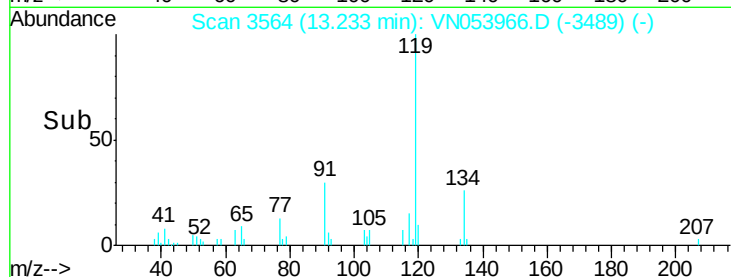
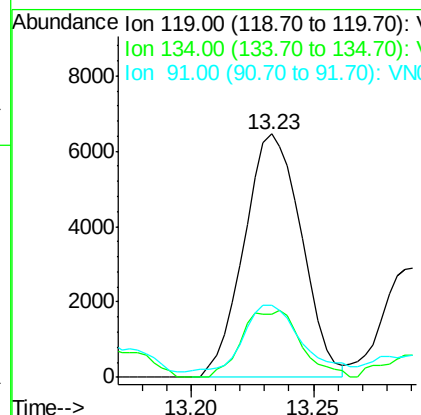
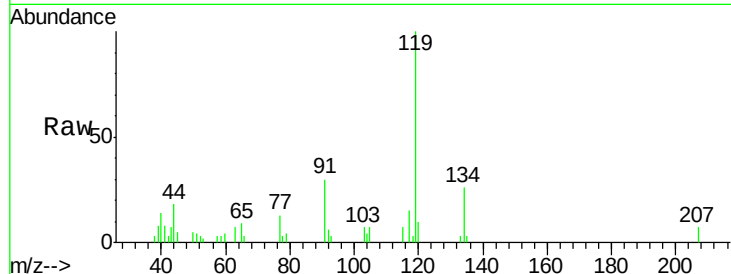




#86
 p-Isopropyltoluene
 Concen: 0.380 ug/l
 RT: 13.23 min Scan# 3564
 Delta R.T. -0.06 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

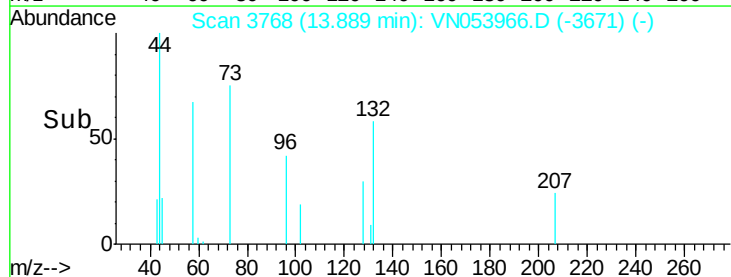
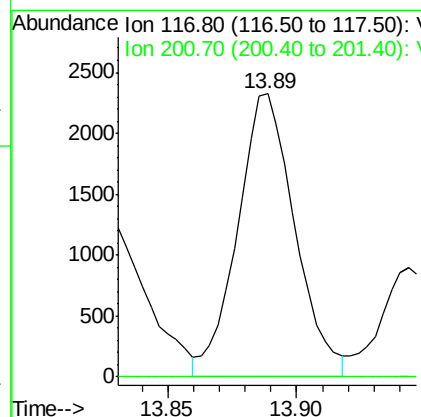
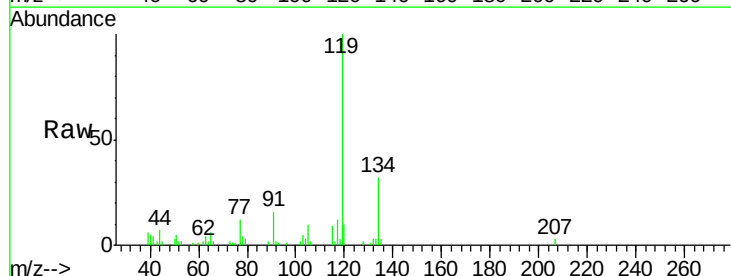
Instrument :
 MSVOA_N
 ClientSampled :
 OK-02-022519

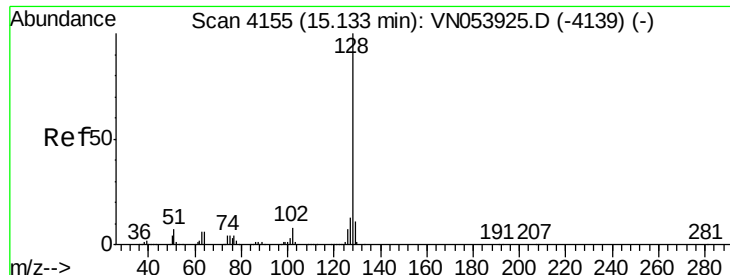
Tot Ion:119 Resp: 10533
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.5 40.4
 91 26.3 10.9 32.6



#90
 Hexachloroethane
 Concen: 0.668 ug/l
 RT: 13.89 min Scan# 3768
 Delta R.T. 0.01 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion:117 Resp: 3592
 Ion Ratio Lower Upper
 117 100
 201 0.0 48.0 144.2#





#95

Naphthalene

Concen: 4.918 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

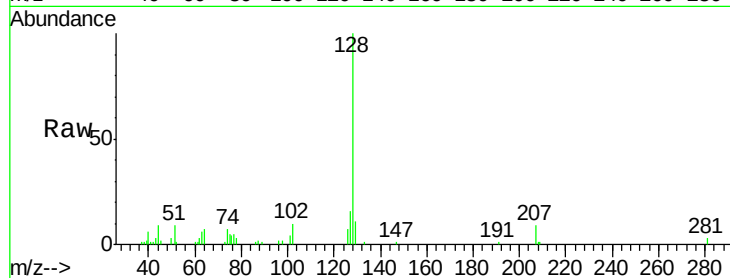
Tot Ion:128 Resp: 30777

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

