

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055279.D
 Acq On : 26 Apr 2019 16:33
 Operator : JC/SP
 Sample : K2198-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-042519

Quant Time: Apr 27 02:02:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

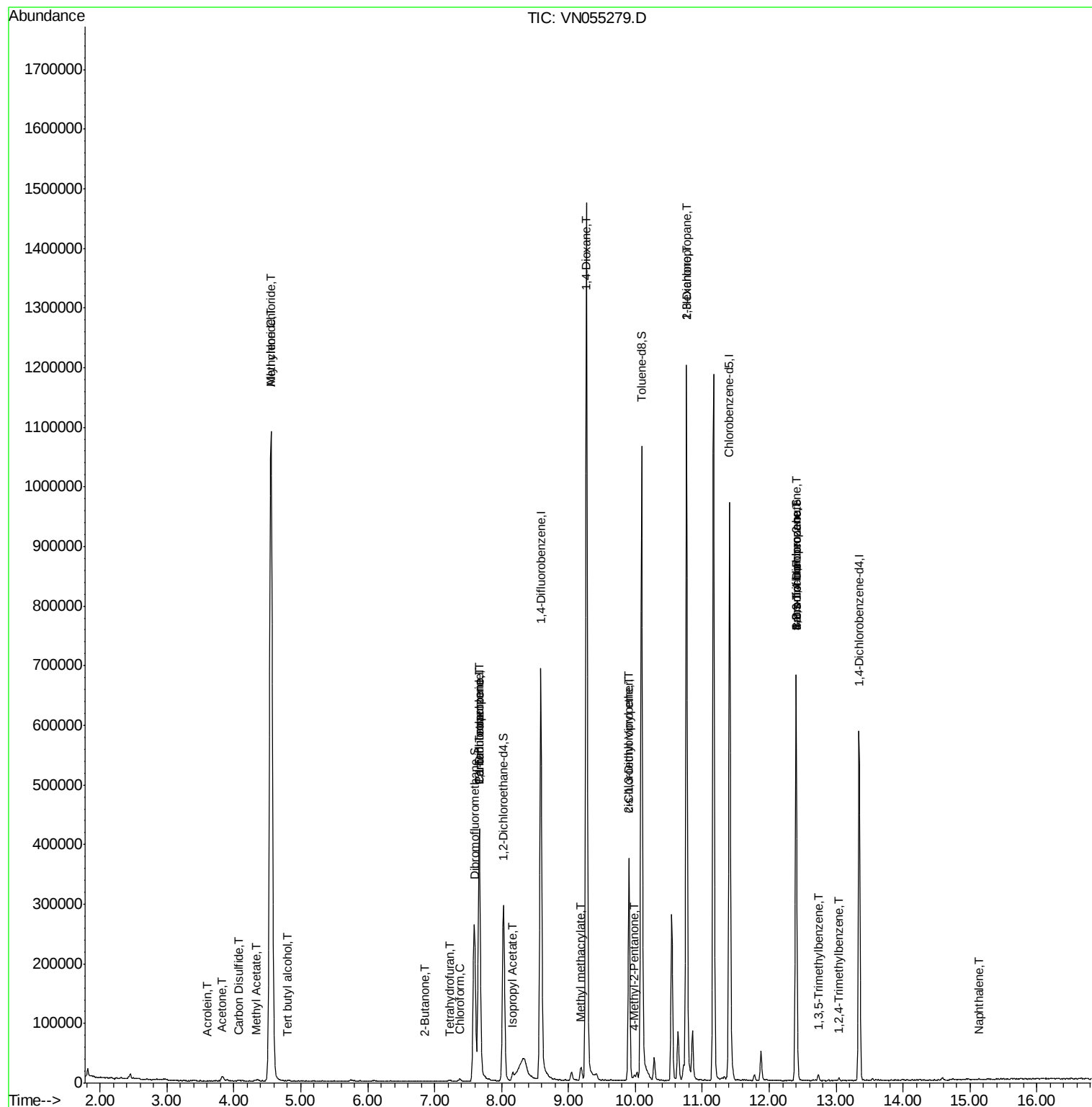
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	359651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	564820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	254786	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	202731	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	765541	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	231662	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.80	59	125	0.440	ug/l #	71
13) Acrolein	3.61	56	137	9.818	ug/l #	14
14) Allyl chloride	4.55	41	36167	4.944	ug/l #	27
16) Acetone	3.83	43	11992	7.452	ug/l	93
17) Carbon Disulfide	4.06	76	3290	0.318	ug/l #	75
18) Methyl Acetate	4.33	43	4978	0.319	ug/l #	71
20) Methylene Chloride	4.55	84	759721	164.216	ug/l	98
25) 2-Butanone	6.86	43	634	0.305	ug/l #	53
29) Tetrahydrofuran	7.23	42	1258	0.985	ug/l #	69
30) Chloroform	7.37	83	3480	0.466	ug/l #	76
31) Cyclohexane	7.67	56	7677	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	27523	4.844	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33245	6.248	ug/l #	16
43) Isopropyl Acetate	8.17	43	18983	2.556	ug/l #	87
48) Methyl methacrylate	9.18	41	8596	2.386	ug/l #	15
49) 1,4-Dioxane	9.27	88	30	0.721	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4946	1.157	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	60871	9.420	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	11313	1.715	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	65	11.316	ug/l #	51
59) 2-Hexanone	10.76	43	188732	69.922	ug/l #	54
71) Bromoform	12.40	173	1793	0.703	ug/l #	1
73) Isopropylbenzene	12.25	105	394	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	153	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	120626	38.218	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5507	0.473	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	120626	144.879	ug/l #	5
83) tert-Butylbenzene	12.99	119	97	Below Cal	#	41
84) 1,2,4-Trimethylbenzene	13.04	105	2878	0.262	ug/l	90
95) Naphthalene	15.13	128	1518	3.673	ug/l #	81

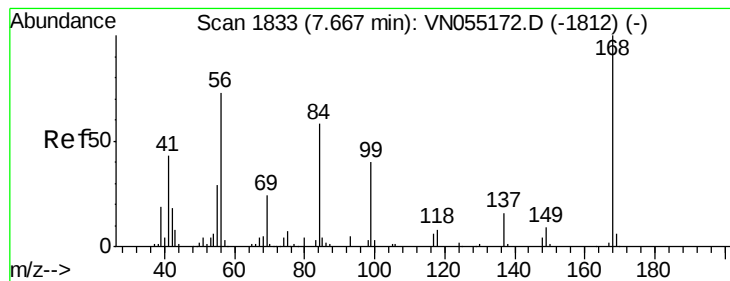
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

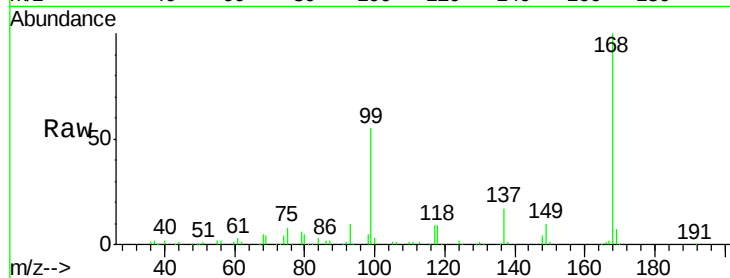
OK-01-042519

Tot Ion:168 Resp: 359651

Ion Ratio Lower Upper

168 100

99 55.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

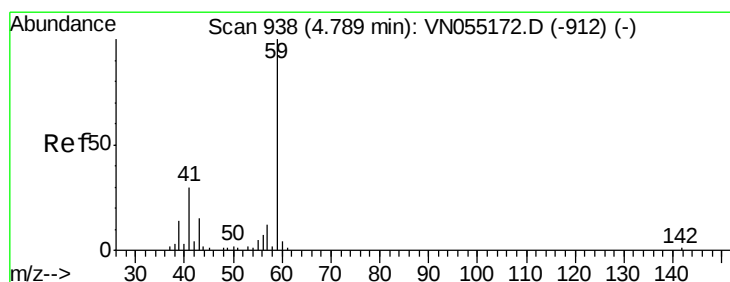
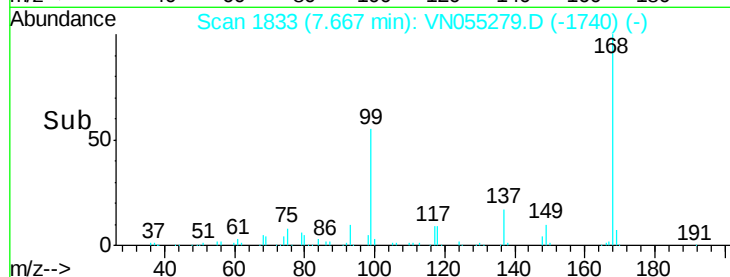
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.440 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN055279.D

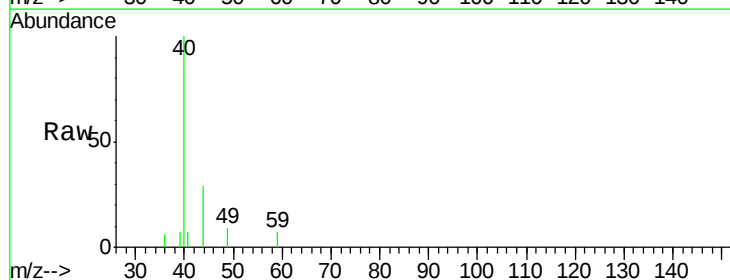
Acq: 26 Apr 2019 16:33

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.80

200

150

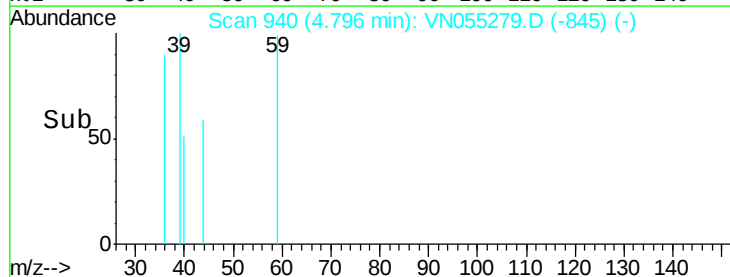
100

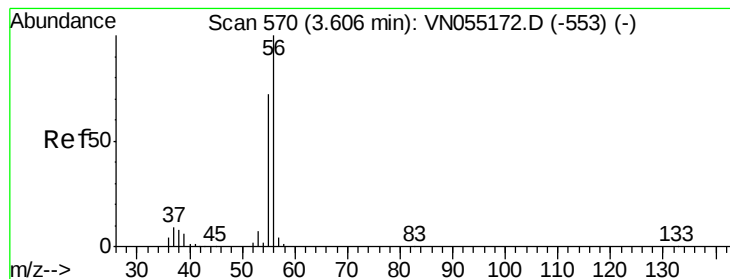
50

0

4.78 4.79 4.80 4.81

Time-->





#13

Acrolein

Concen: 9.818 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

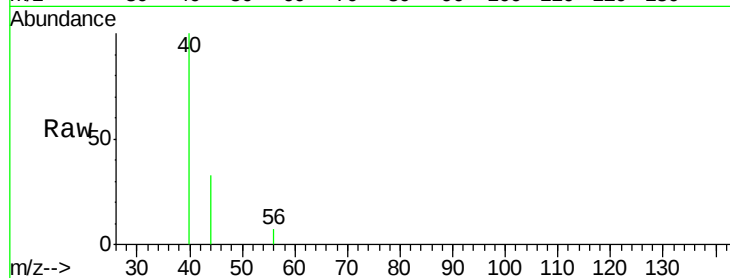
OK-01-042519

Tot Ion: 56 Resp: 137

Ion Ratio Lower Upper

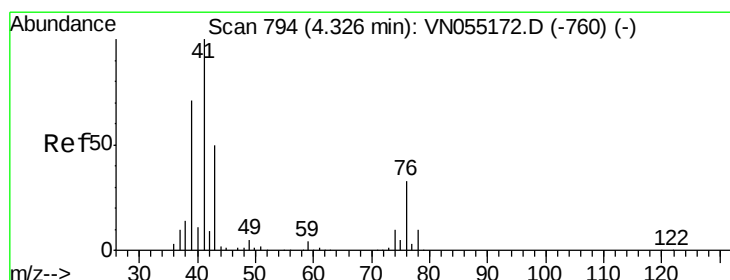
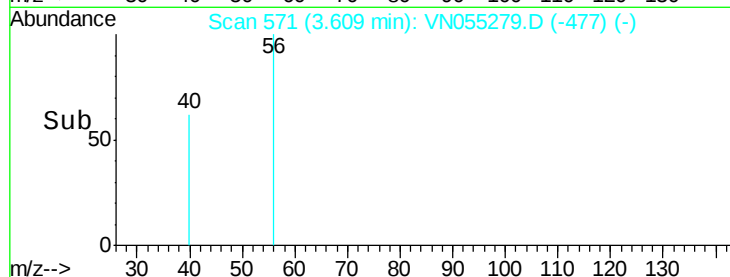
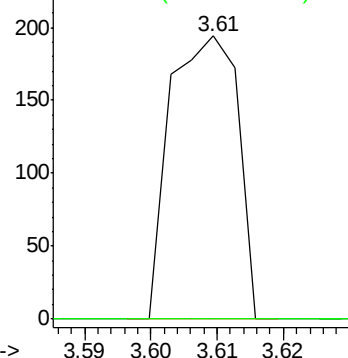
56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.944 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

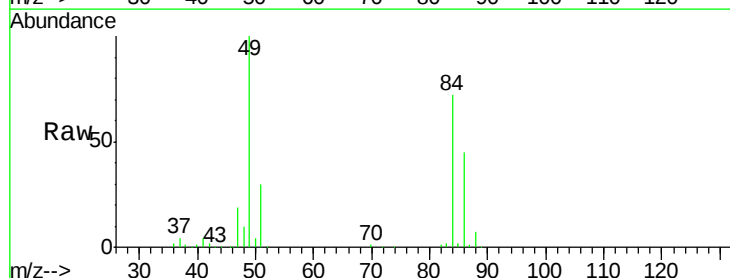
Tgt Ion: 41 Resp: 36167

Ion Ratio Lower Upper

41 100

39 1.3 52.9 79.3#

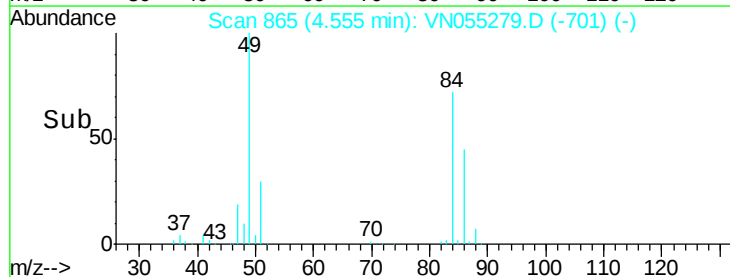
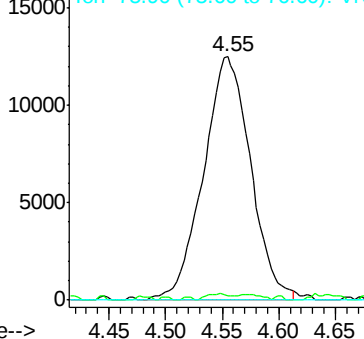
76 0.0 23.6 35.4#

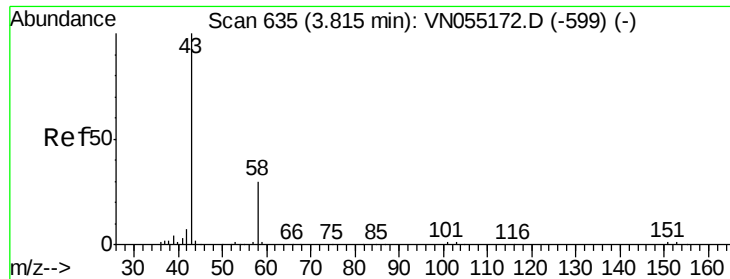


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 7.452 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

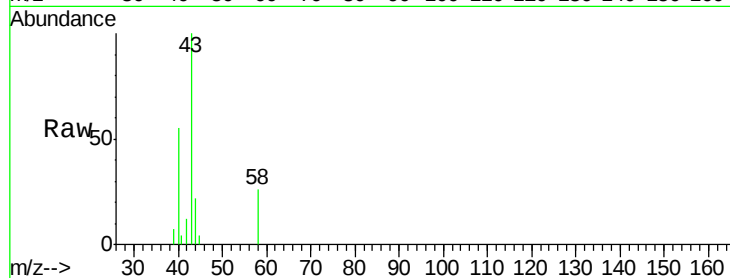
OK-01-042519

Tot Ion: 43 Resp: 11992

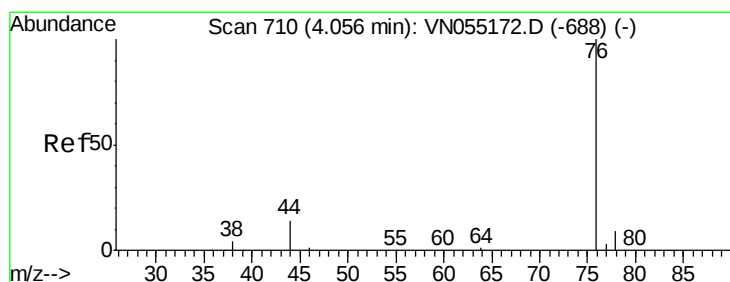
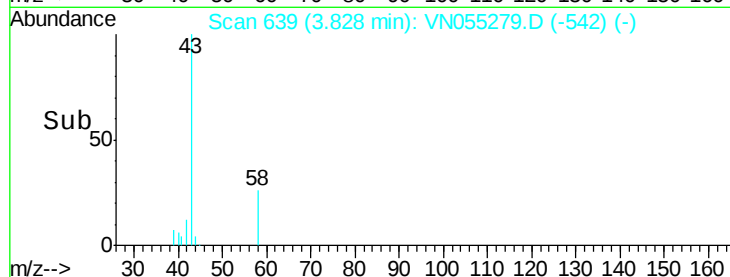
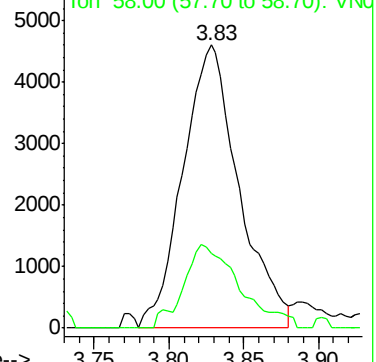
Ion Ratio Lower Upper

43 100

58 26.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055279.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.318 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN055279.D

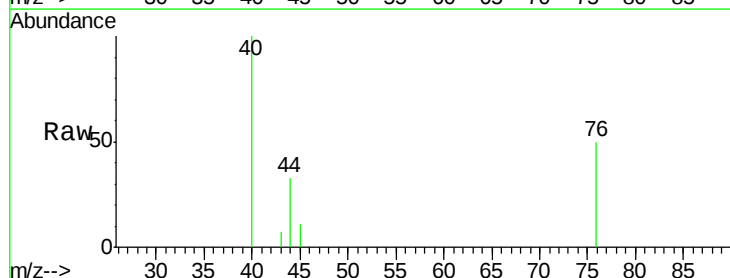
Acq: 26 Apr 2019 16:33

Tgt Ion: 76 Resp: 3290

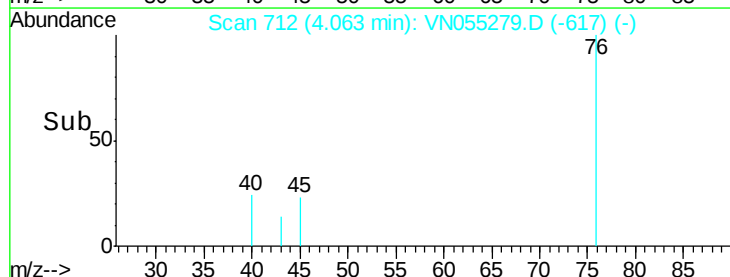
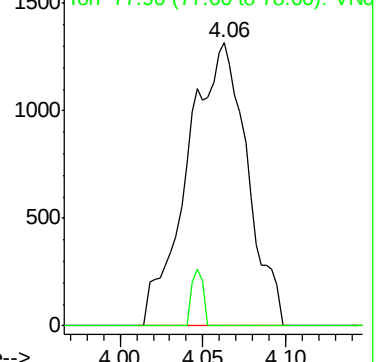
Ion Ratio Lower Upper

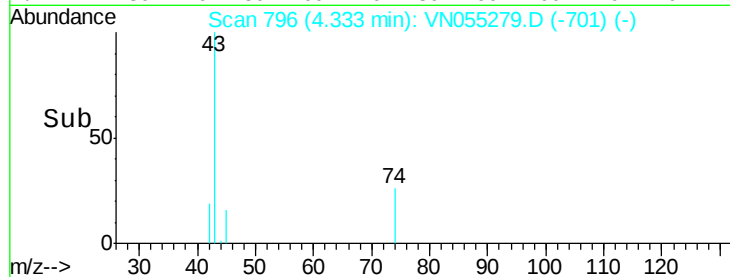
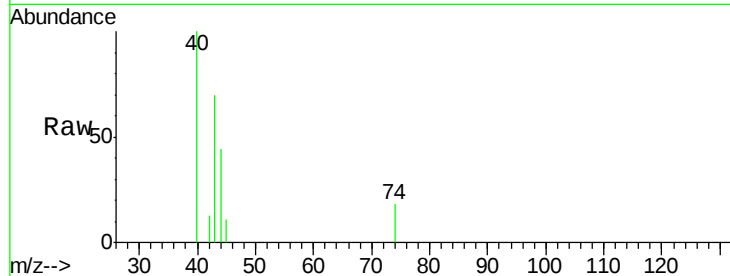
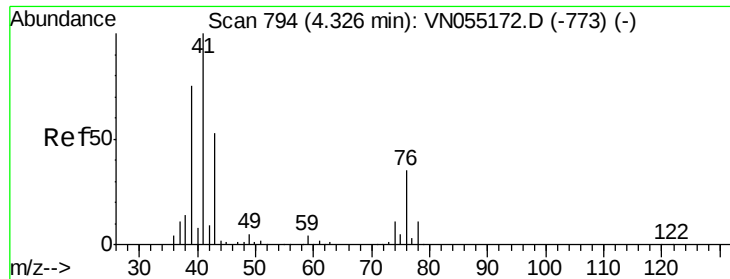
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN055279.D (-617) (-)

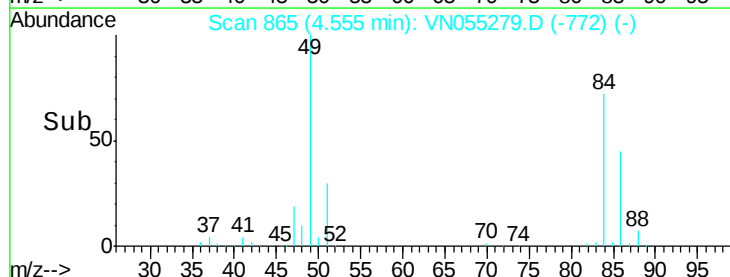
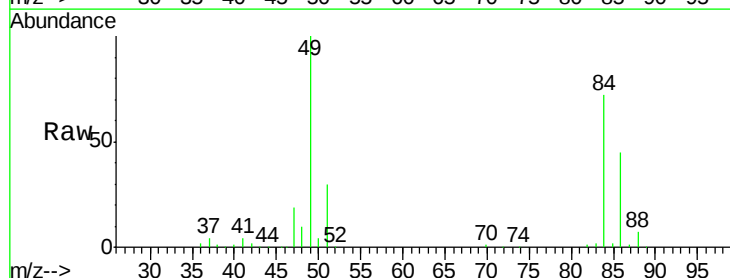
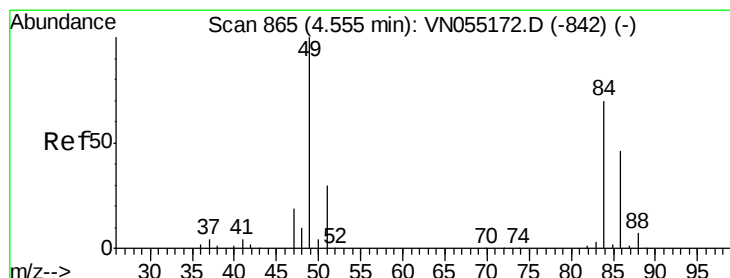
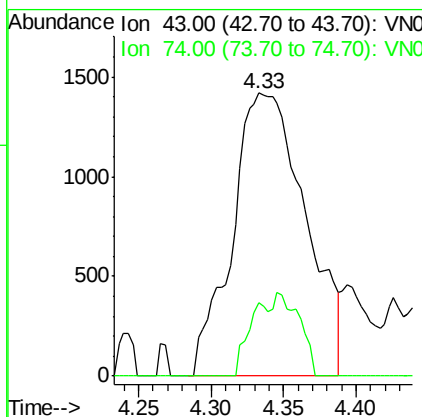




#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

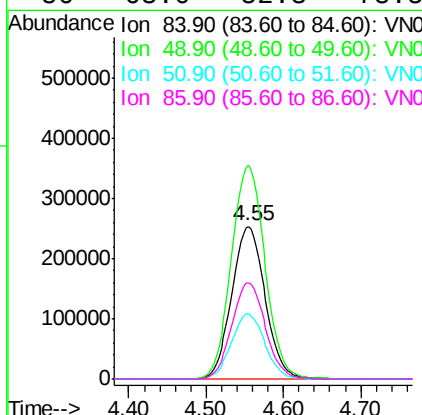
Instrument :
MSVOA_N
ClientSampleId :
OK-01-042519

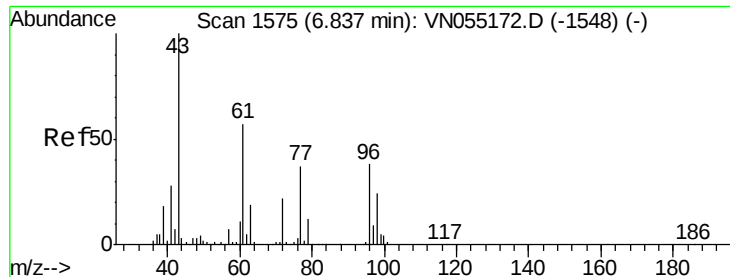
Tot Ion: 43 Resp: 4978
Ion Ratio Lower Upper
43 100
74 7.4 16.7 25.1#



#20
Methylene Chloride
Concen: 164.216 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

Tgt Ion: 84 Resp: 759721
Ion Ratio Lower Upper
84 100
49 139.7 113.8 170.6
51 42.4 34.0 51.0
86 63.0 52.3 78.5





#25

2-Butanone

Concen: 0.305 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

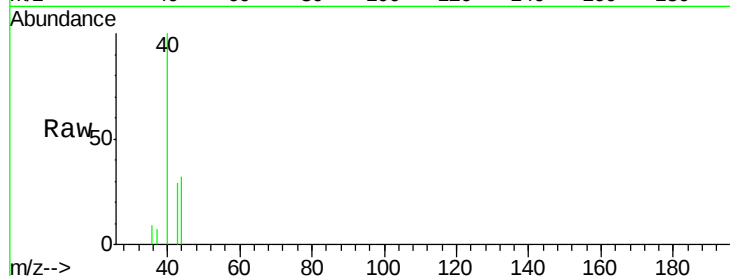
OK-01-042519

Tot Ion: 43 Resp: 634

Ion Ratio Lower Upper

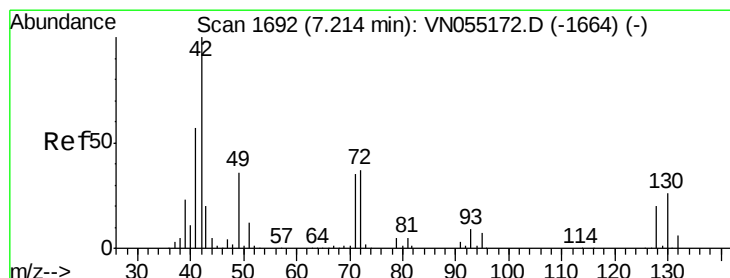
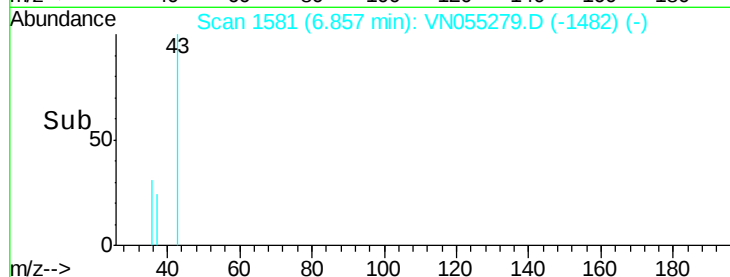
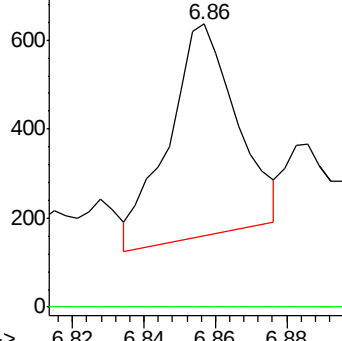
43 100

72 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.985 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

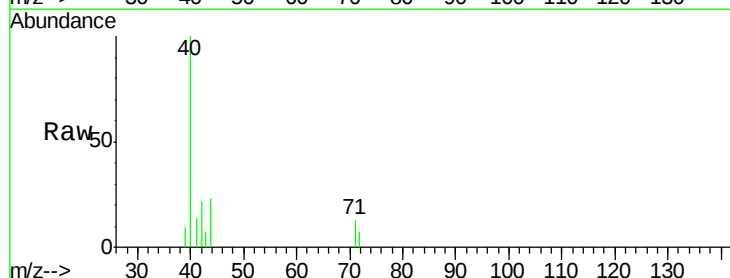
Tgt Ion: 42 Resp: 1258

Ion Ratio Lower Upper

42 100

72 11.0 29.4 44.2#

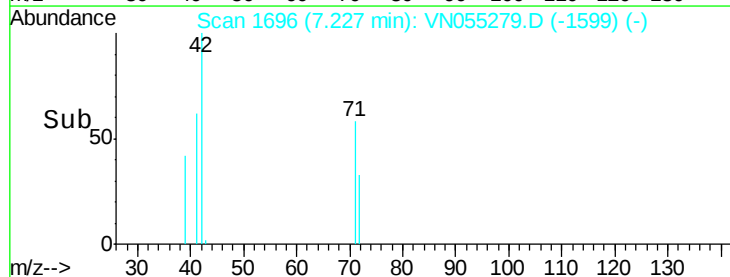
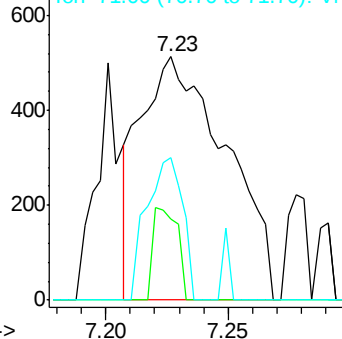
71 24.7 27.8 41.8#

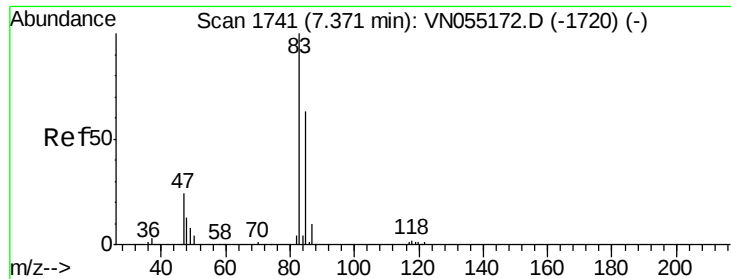


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

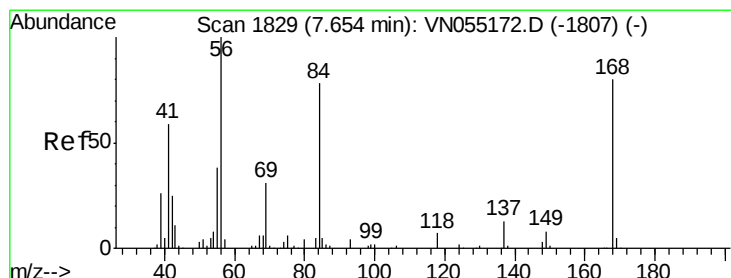
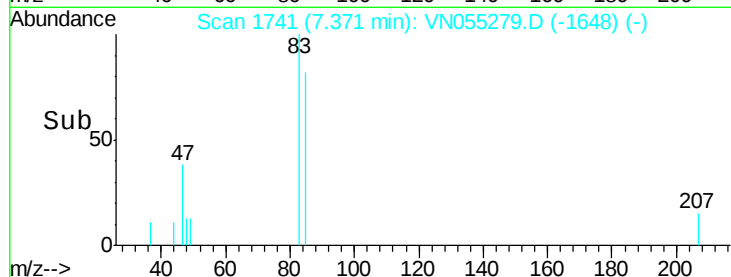
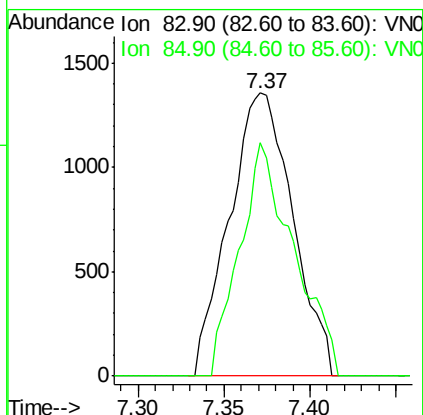
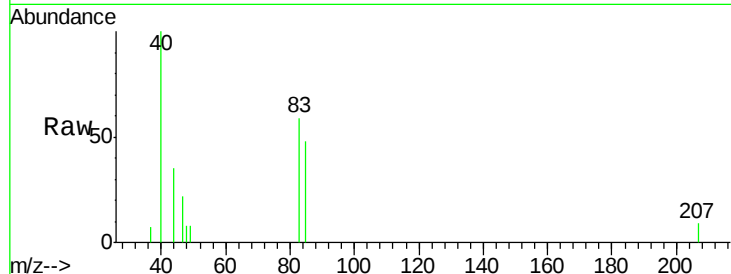




#30
Chloroform
Concen: 0.466 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

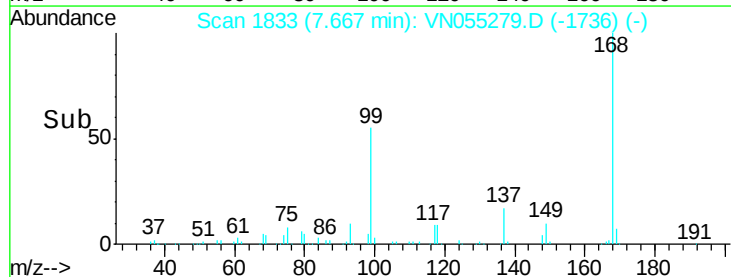
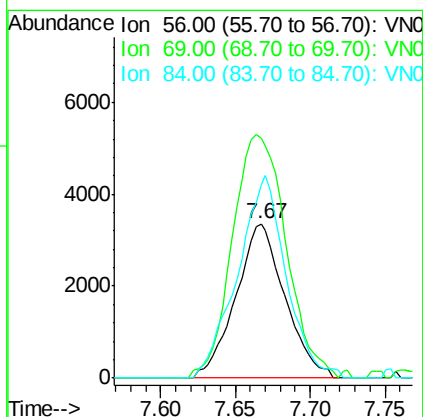
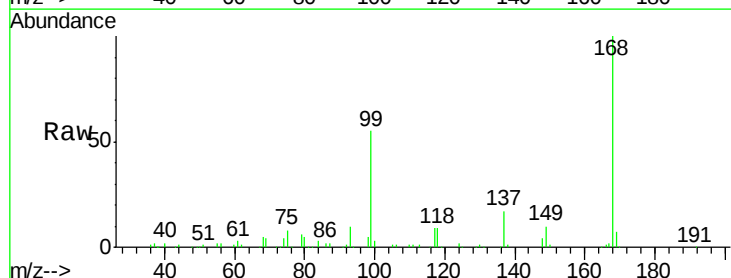
Instrument :
MSVOA_N
ClientSampleId :
OK-01-042519

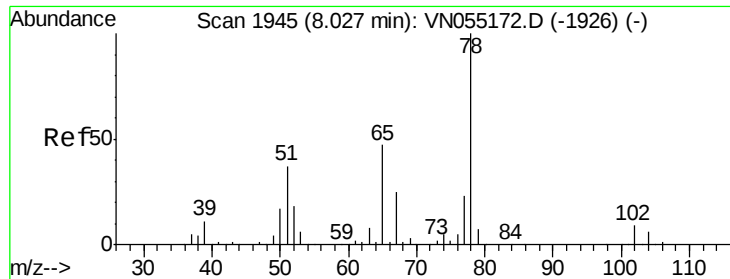
Tot Ion: 83 Resp: 3480
Ion Ratio Lower Upper
83 100
85 82.3 50.6 76.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

Tgt Ion: 56 Resp: 7677
Ion Ratio Lower Upper
56 100
69 155.2 24.6 37.0#
84 125.6 61.4 92.2#

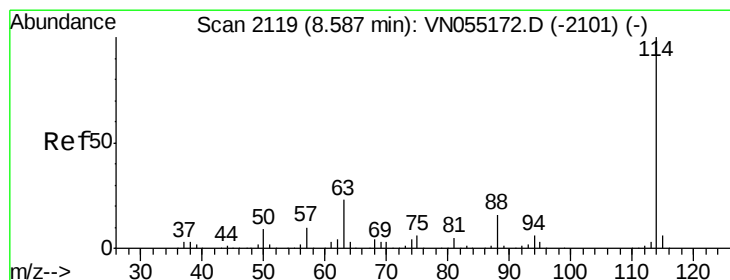
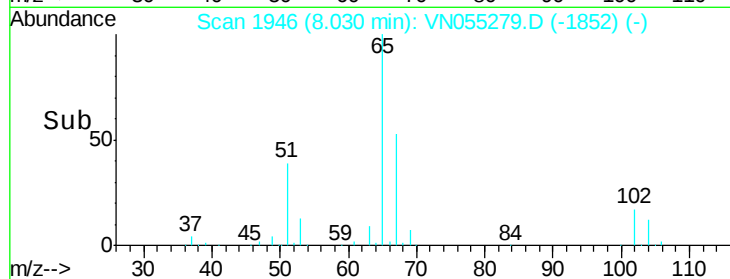
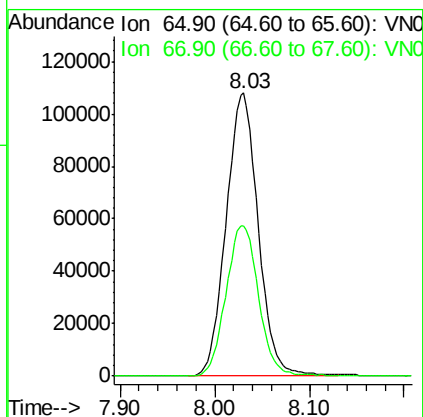
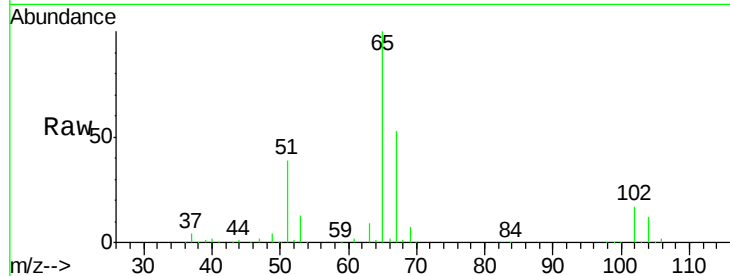




#33
 1,2-Dichloroethane-d4
 Concen: 52.339 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055279.D
 Acq: 26 Apr 2019 16:33

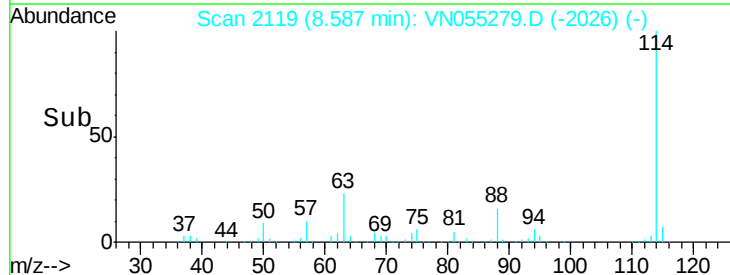
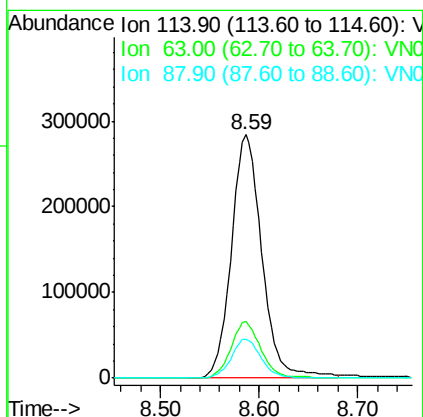
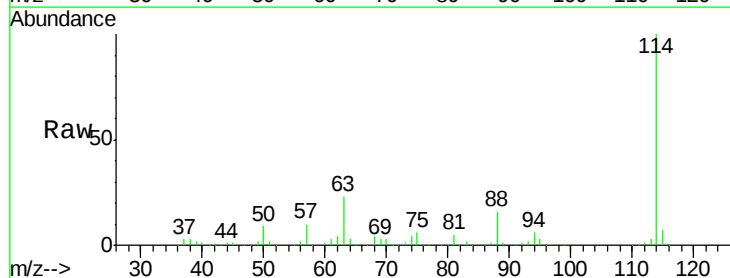
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-042519

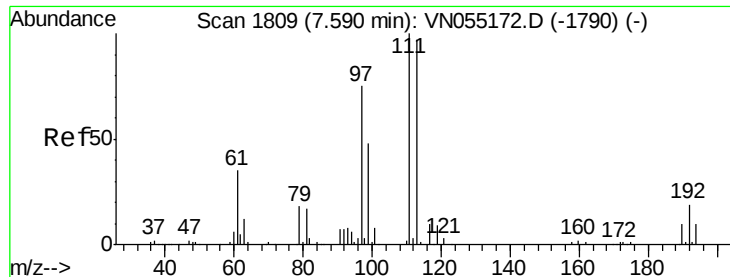
Tot Ion: 65 Resp: 254786
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055279.D
 Acq: 26 Apr 2019 16:33

Tgt Ion: 114 Resp: 612229
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.2
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.743 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

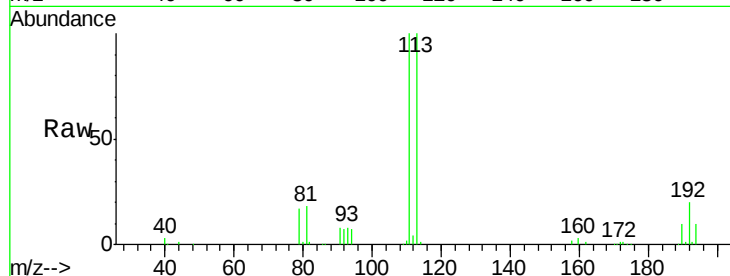
Tot Ion:113 Resp: 202731

Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.4

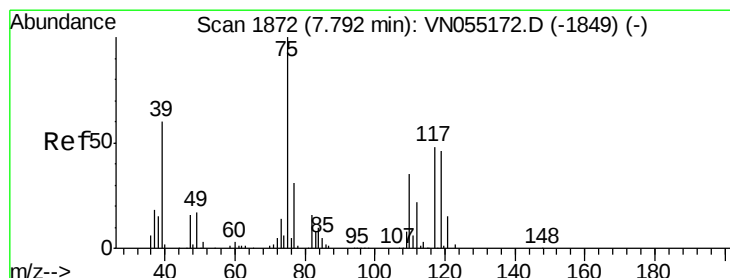
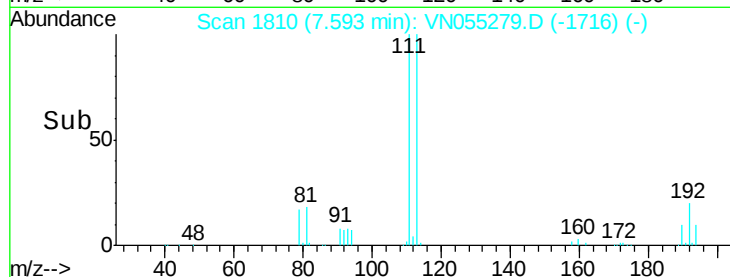
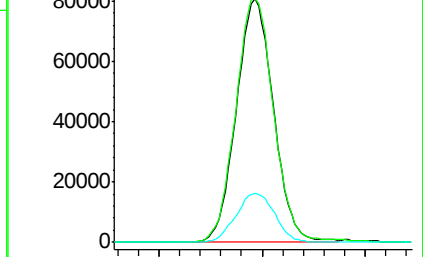
192 21.0 16.2 24.4



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: 4.844 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

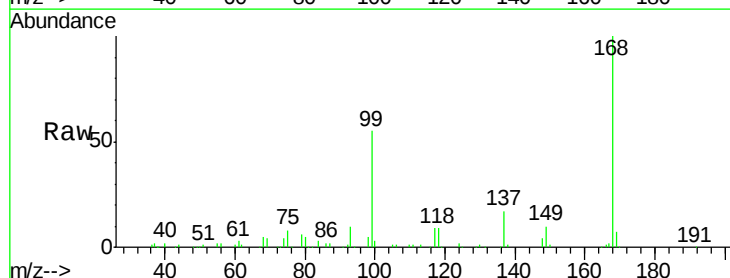
Tgt Ion: 75 Resp: 27523

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

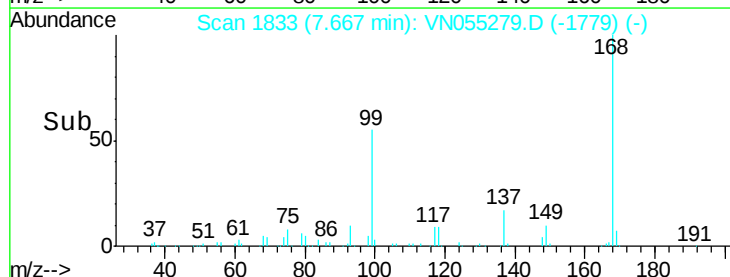
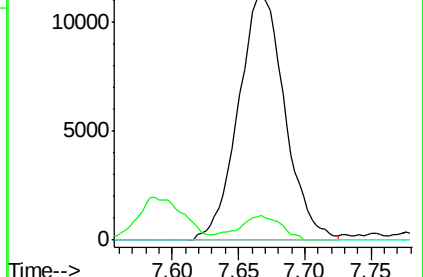
77 0.0 24.6 36.8#

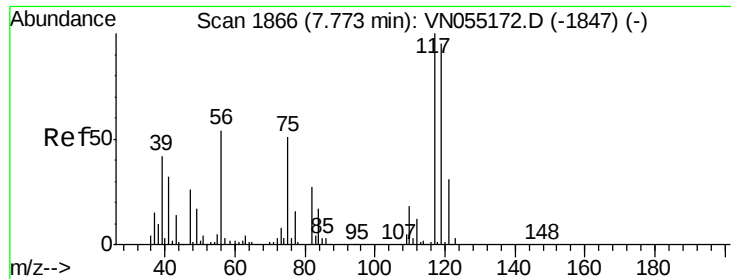


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

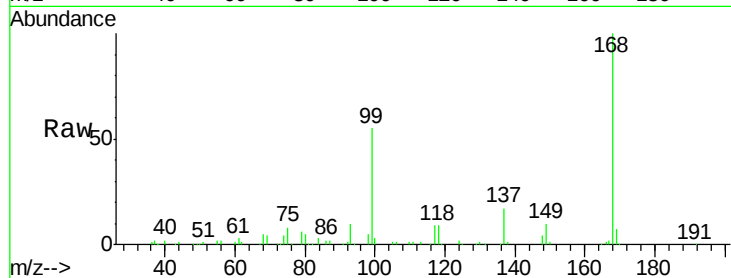
Tot Ion:117 Resp: 33245

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

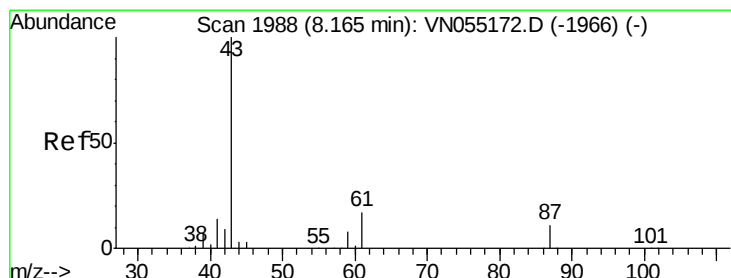
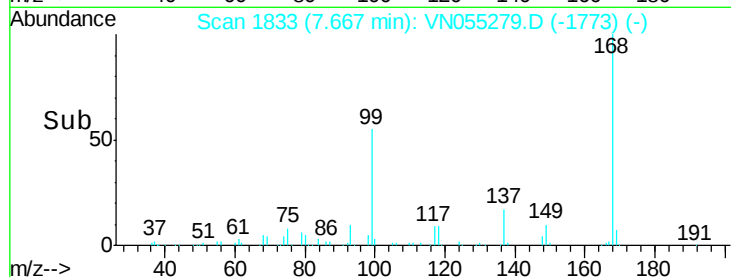
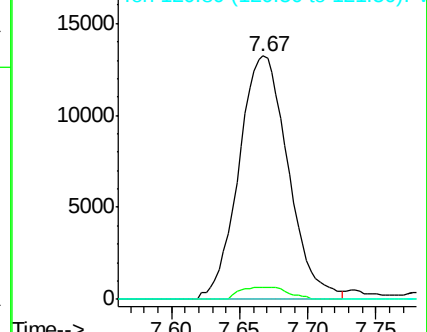
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.556 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

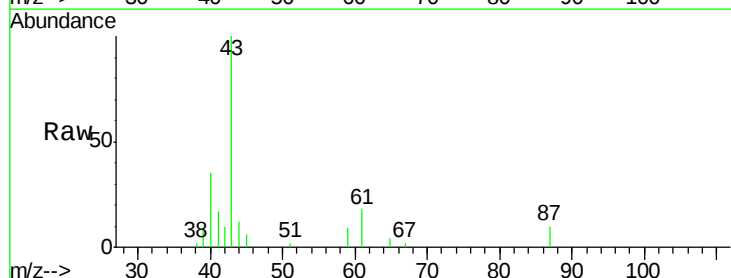
Tgt Ion: 43 Resp: 18983

Ion Ratio Lower Upper

43 100

61 17.8 20.6 30.8#

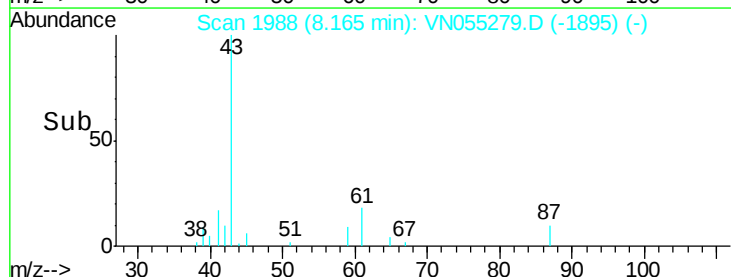
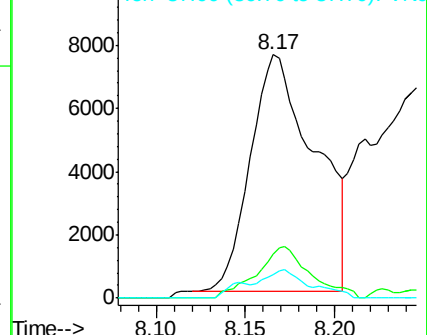
87 8.7 8.8 13.2#

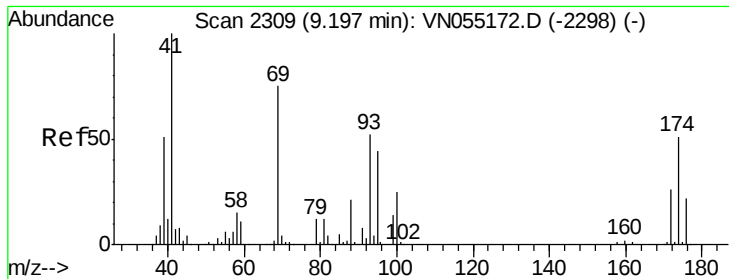


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methyl methacrylate

Concen: 2.386 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampled :

OK-01-042519

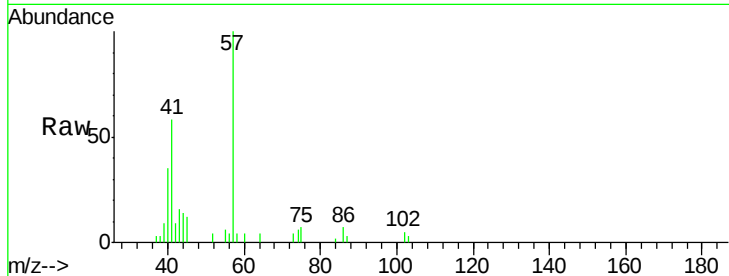
Tot Ion: 41 Resp: 8596

Ion Ratio Lower Upper

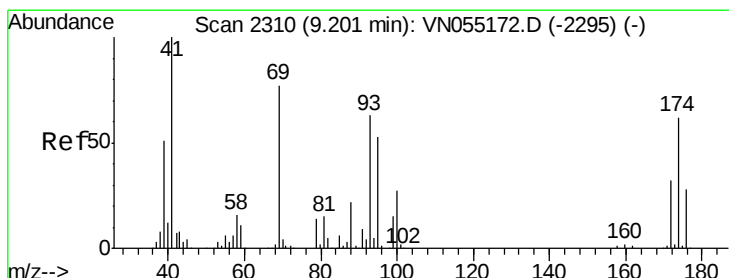
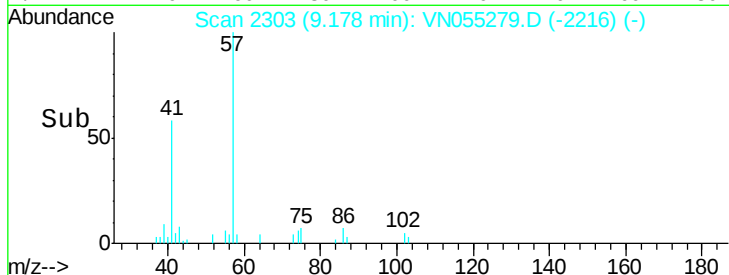
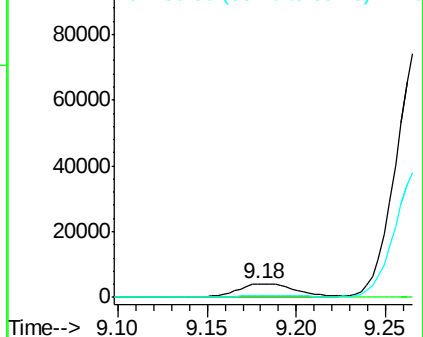
41 100

69 0.0 63.6 95.4#

39 0.0 43.8 65.8#



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



#49

1,4-Dioxane

Concen: 0.721 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

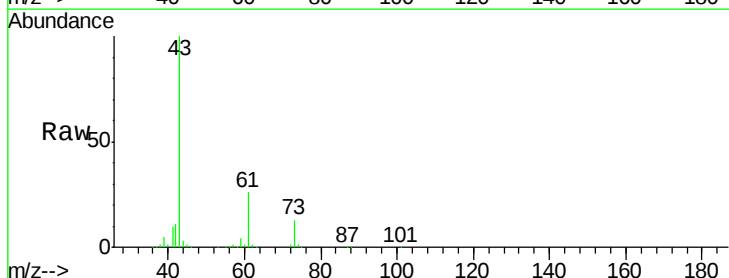
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

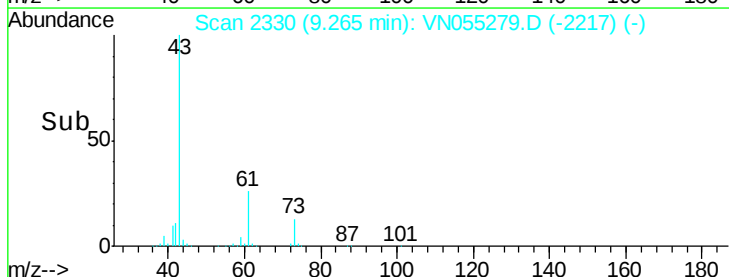
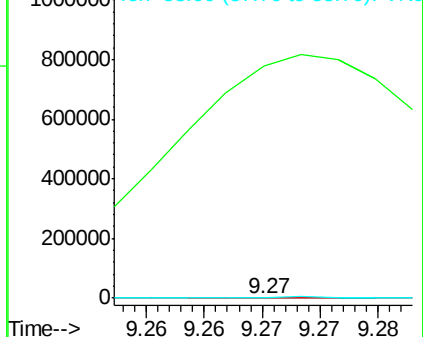
88 100

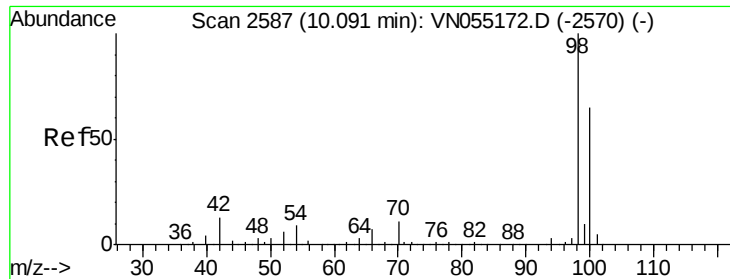
43 5160153.3 32.0 48.0#

58 23216.7 60.4 90.6#



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





#50

Toluene-d8

Concen: 49.677 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampled :

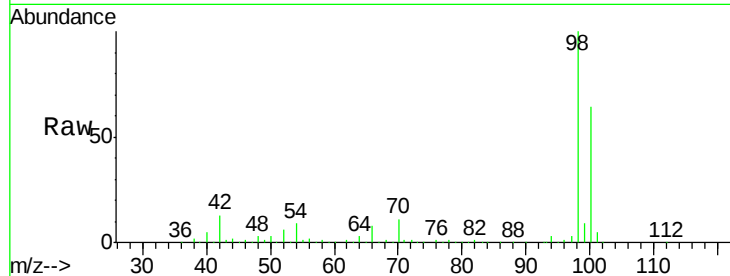
OK-01-042519

Tot Ion: 98 Resp: 765541

Ion Ratio Lower Upper

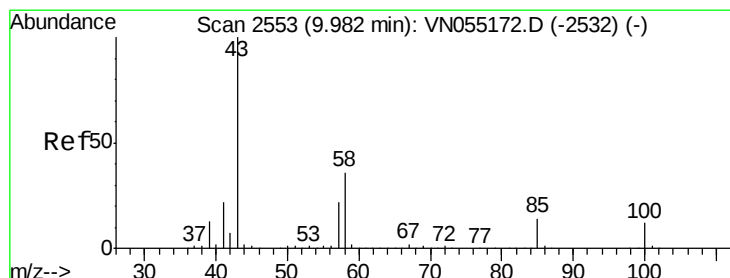
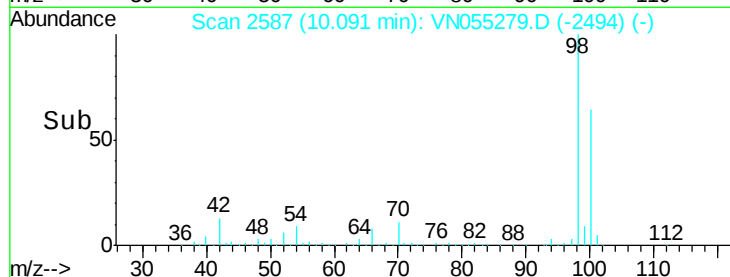
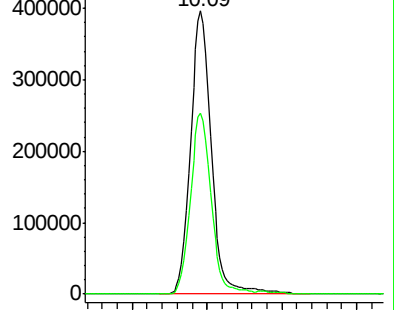
98 100

100 63.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055279.D

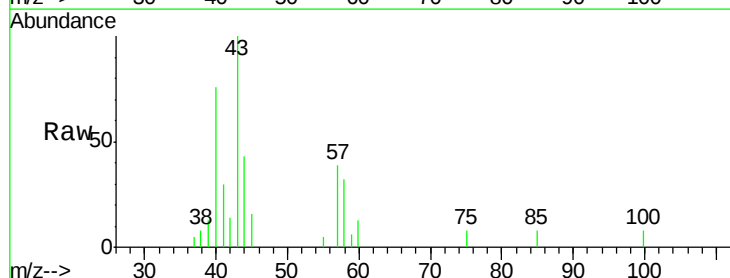
Acq: 26 Apr 2019 16:33

Tgt Ion: 43 Resp: 4946

Ion Ratio Lower Upper

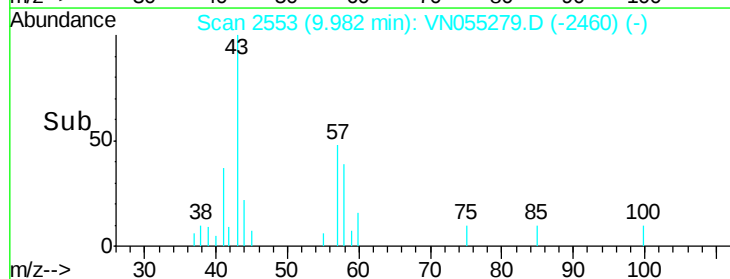
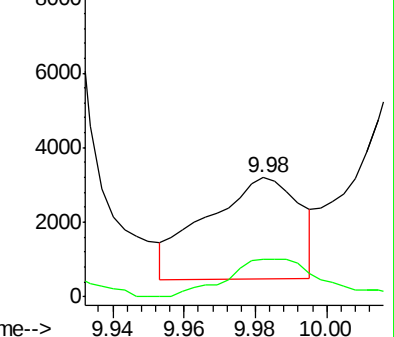
43 100

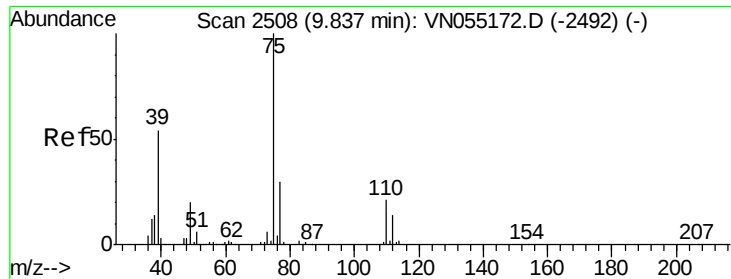
58 37.7 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)





#54

cis-1,3-Dichloropropene

Concen: 9.420 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

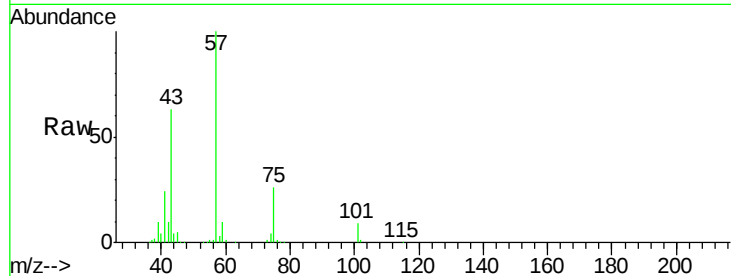
Tot Ion: 75 Resp: 60871

Ion Ratio Lower Upper

75 100

77 0.5 24.3 36.5#

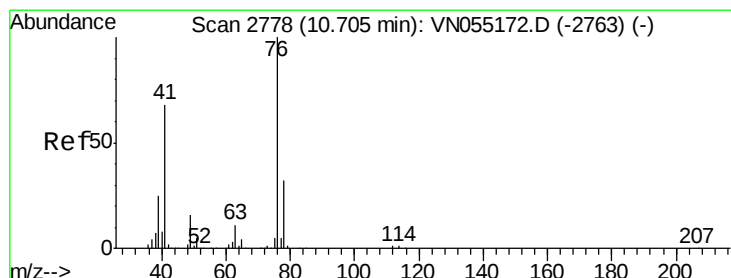
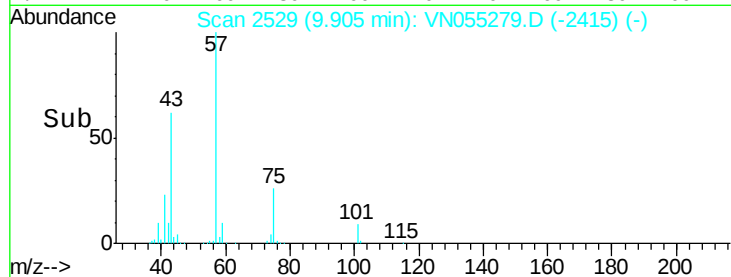
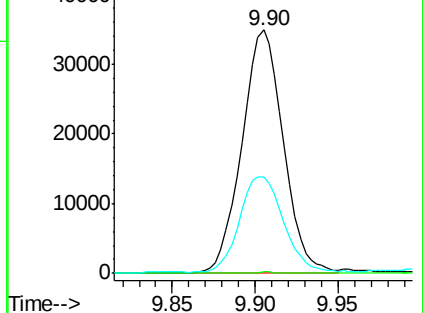
39 39.5 43.0 64.4#



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



#57

1,3-Dichloropropane

Concen: 1.715 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055279.D

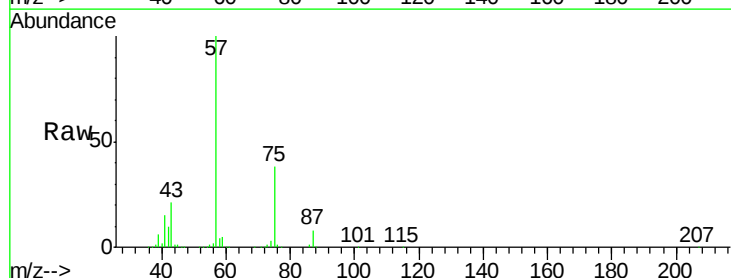
Acq: 26 Apr 2019 16:33

Tgt Ion: 76 Resp: 11313

Ion Ratio Lower Upper

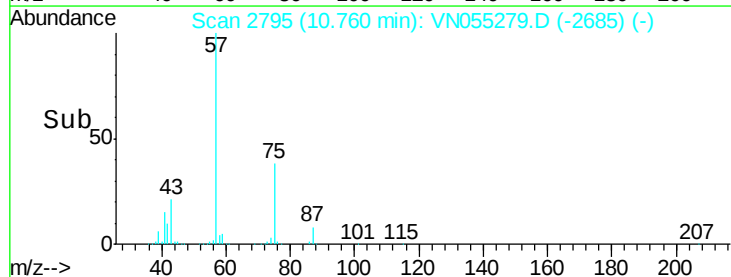
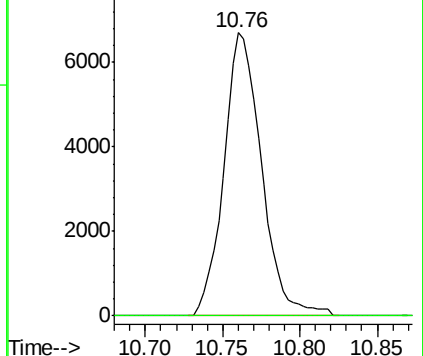
76 100

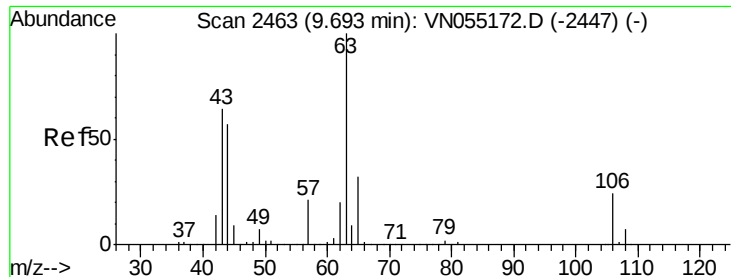
78 0.0 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

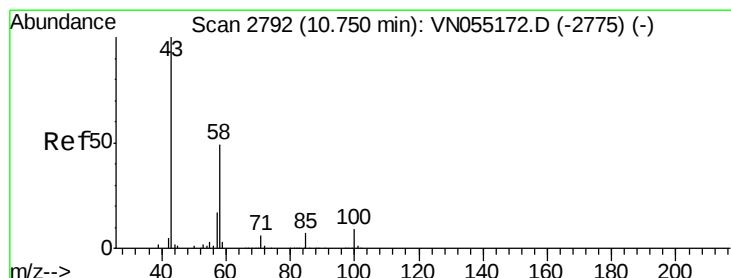
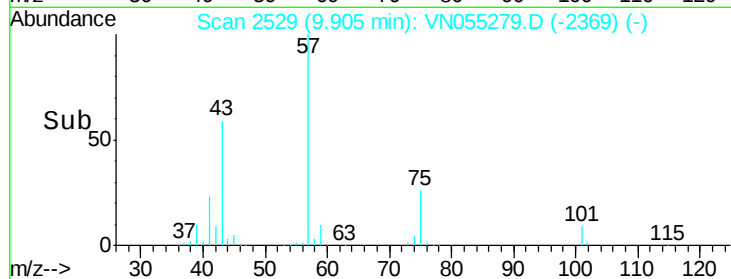
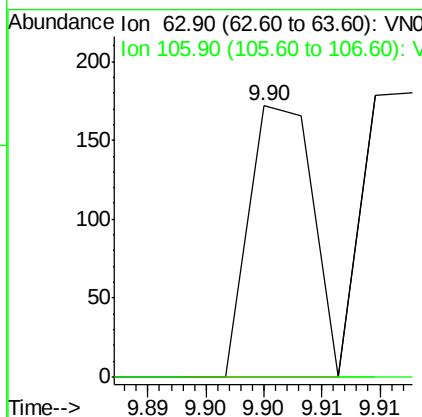
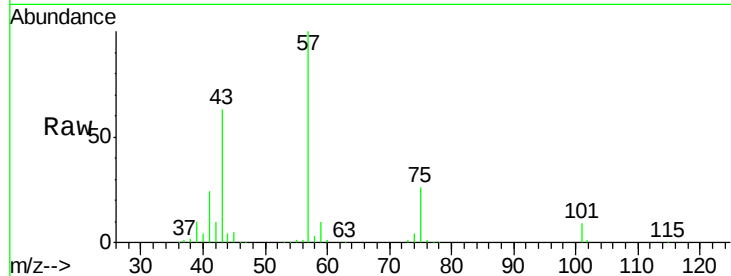




#58
2-Chloroethyl Vinyl ether
Concen: 11.316 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.21 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

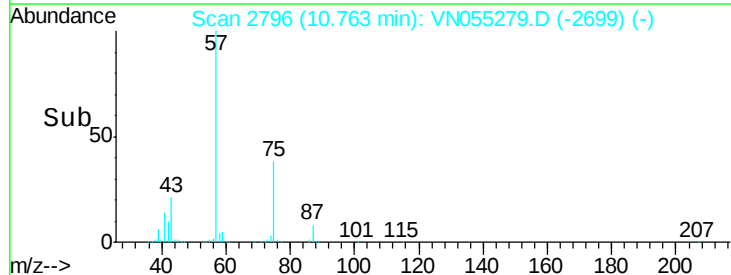
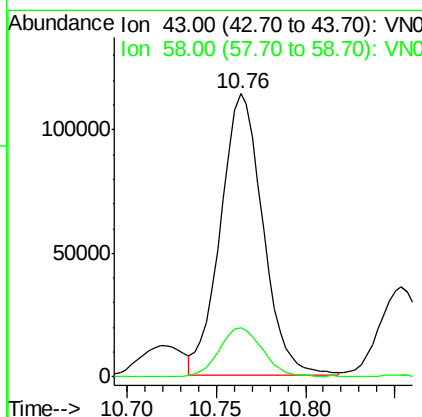
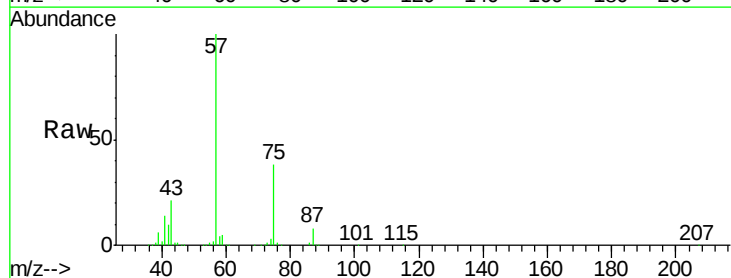
Instrument :
MSVOA_N
ClientSampleId :
OK-01-042519

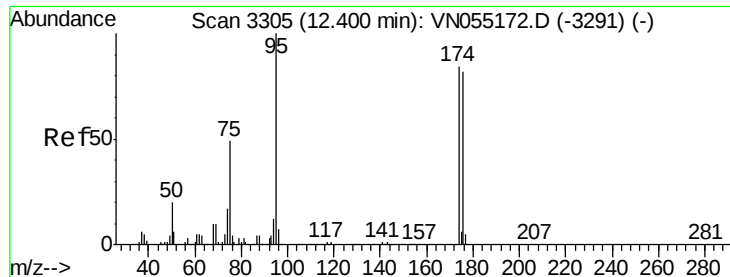
Tot Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.0#



#59
2-Hexanone
Concen: 69.922 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055279.D
Acq: 26 Apr 2019 16:33

Tgt Ion: 43 Resp: 188732
Ion Ratio Lower Upper
43 100
58 17.9 24.5 73.5#





#62

4-Bromofluorobenzene

Concen: 47.471 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

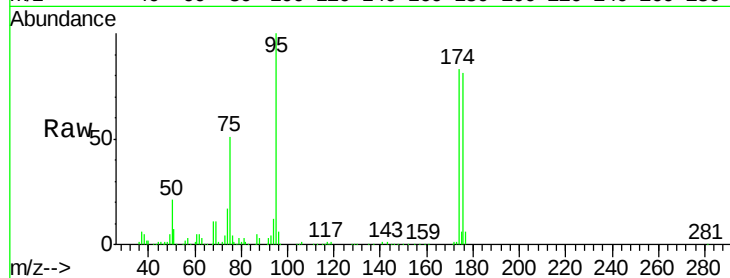
Tot Ion: 95 Resp: 231662

Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.4

176 80.6 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055172.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055172.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055172.D (-3291) (-)

12.40

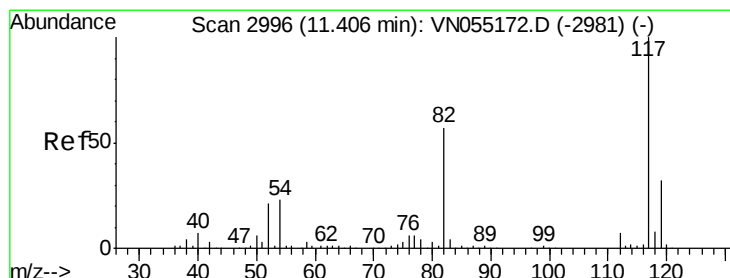
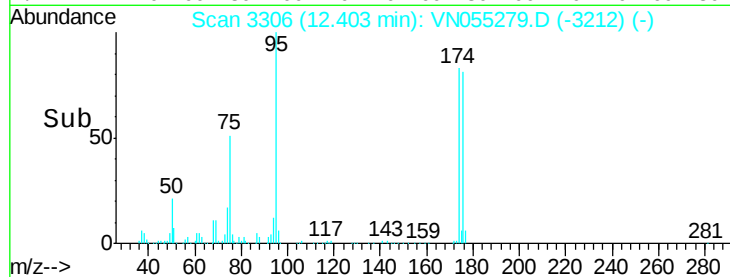
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

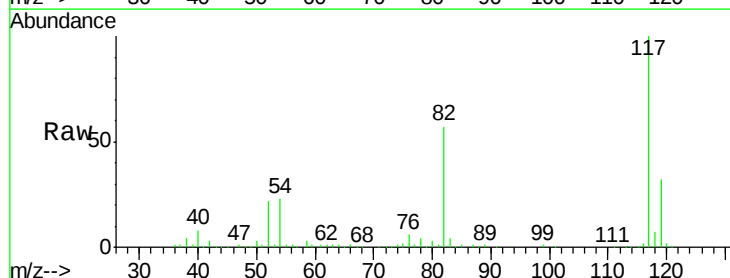
Tgt Ion: 117 Resp: 564820

Ion Ratio Lower Upper

117 100

82 56.8 45.7 68.5

119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN055172.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055172.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055172.D (-2981) (-)

11.41

400000

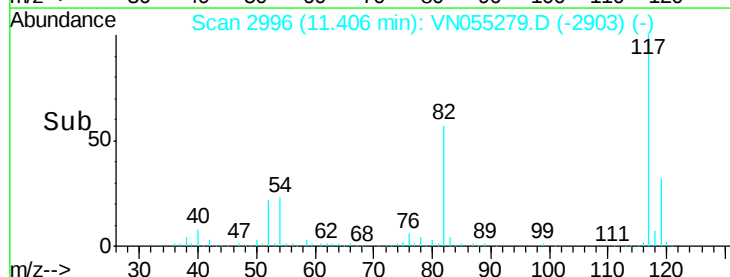
300000

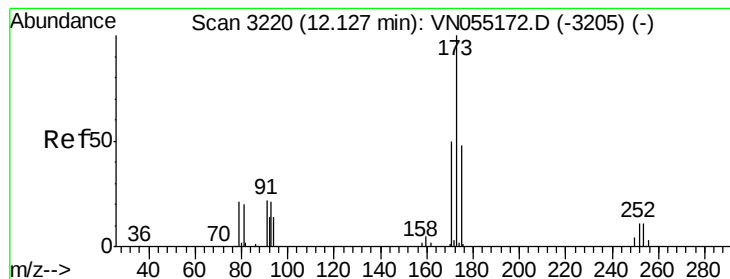
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.703 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

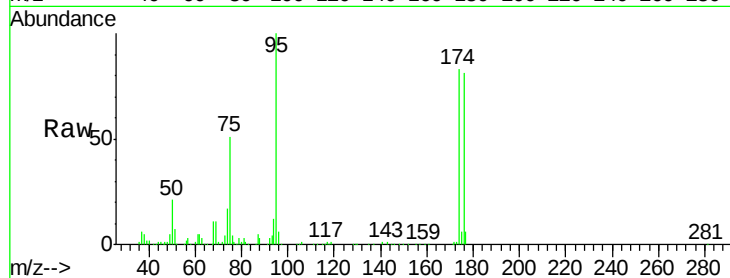
Tot Ion:173 Resp: 1793

Ion Ratio Lower Upper

173 100

175 715.2 23.8 71.2#

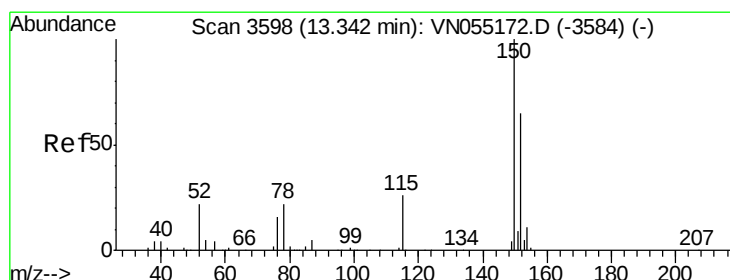
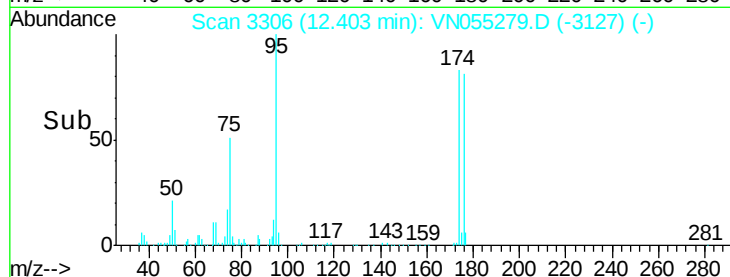
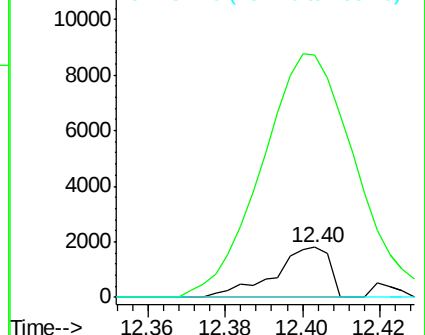
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

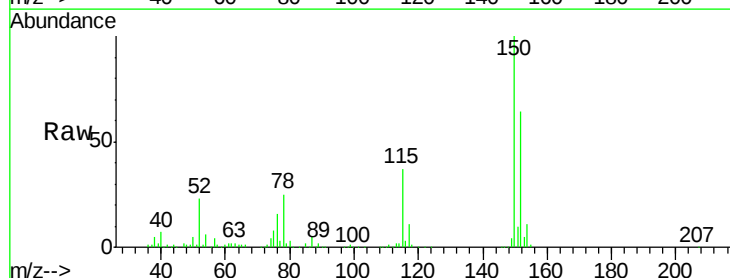
Tgt Ion:152 Resp: 155577

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

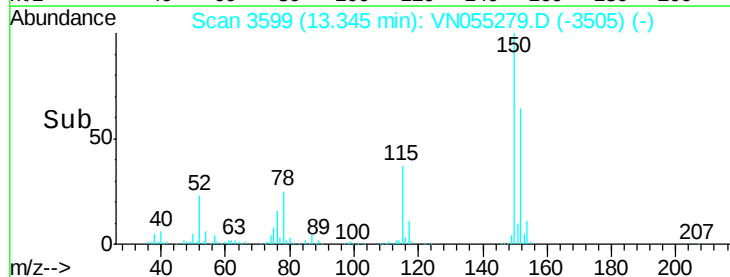
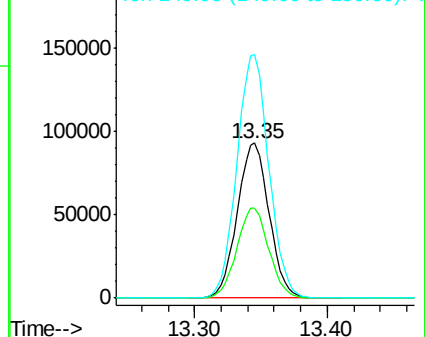
150 157.9 0.0 346.6

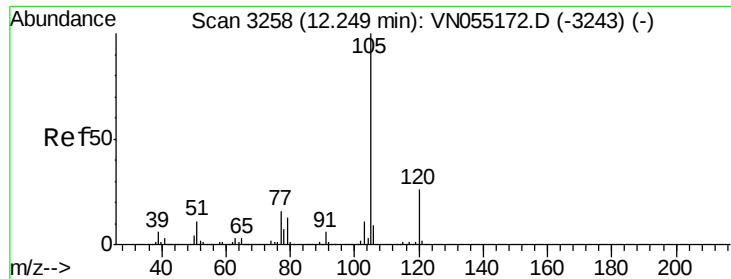


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampled :

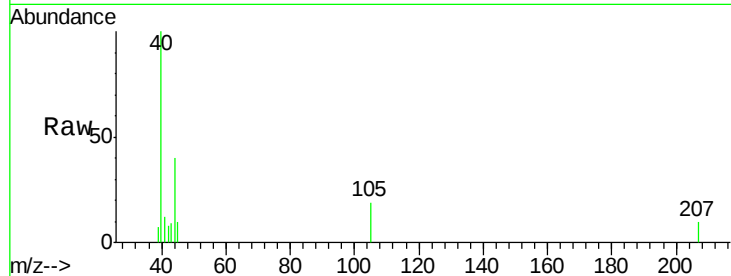
OK-01-042519

Tot Ion: 105 Resp: 394

Ion Ratio Lower Upper

105 100

120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400

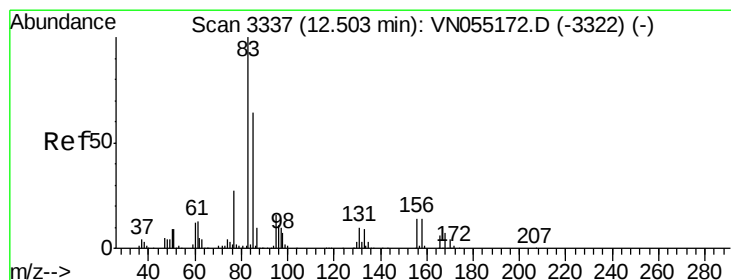
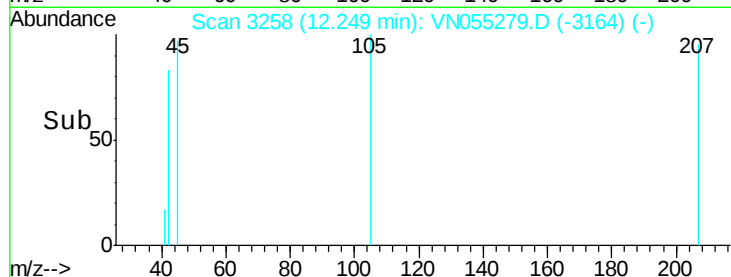
300

200

100

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

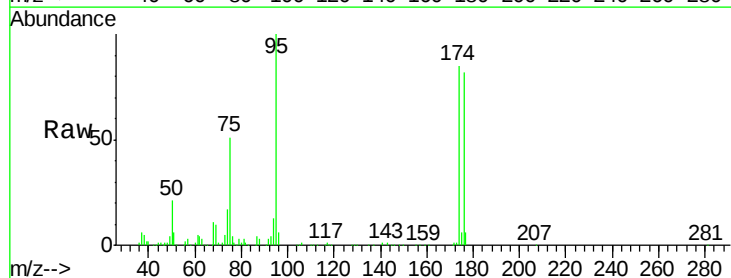
Tgt Ion: 83 Resp: 153

Ion Ratio Lower Upper

83 100

131 97.4 5.0 15.0#

85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

300

250

200

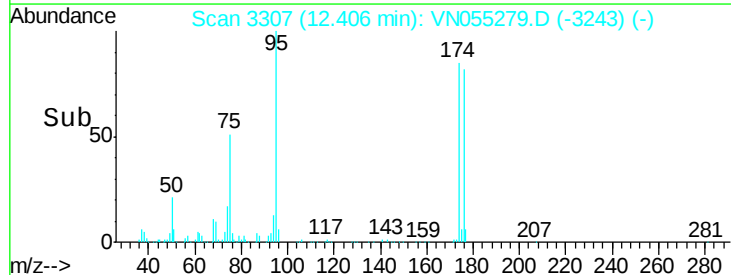
150

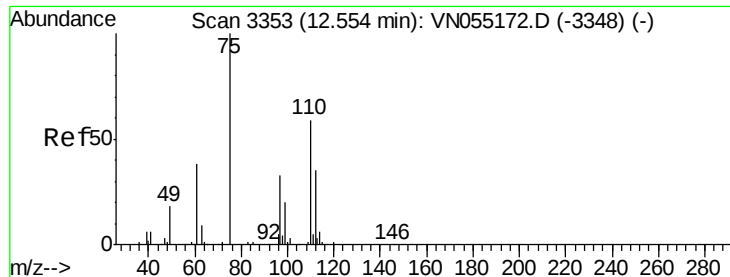
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 38.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

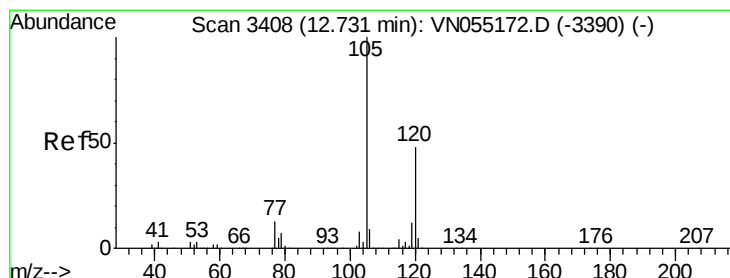
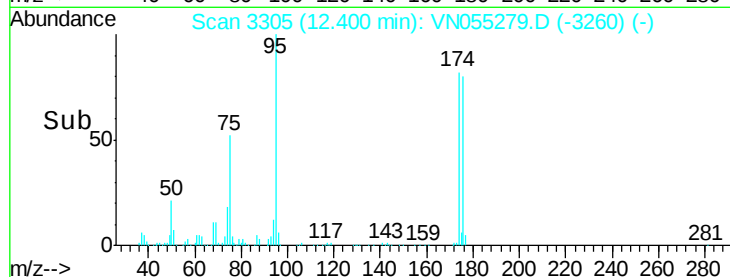
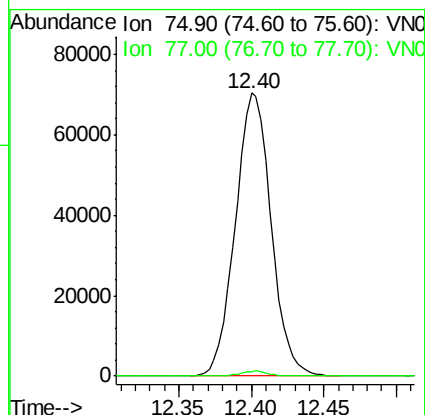
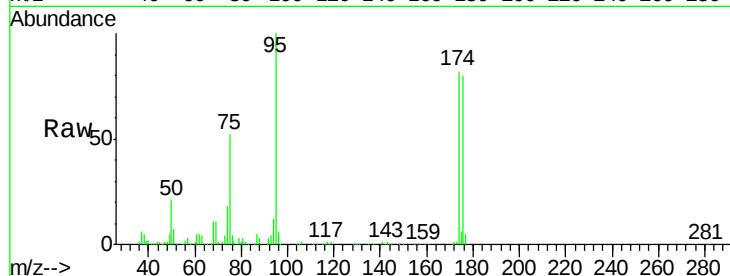
OK-01-042519

Tot Ion: 75 Resp: 120626

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.473 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055279.D

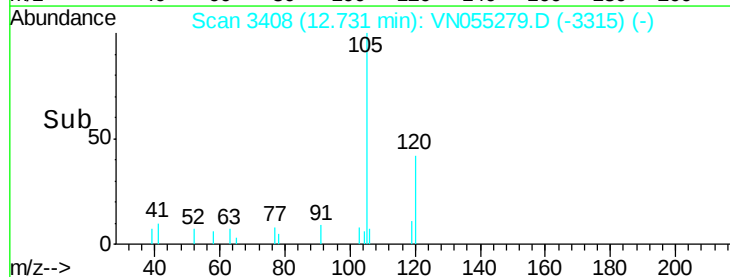
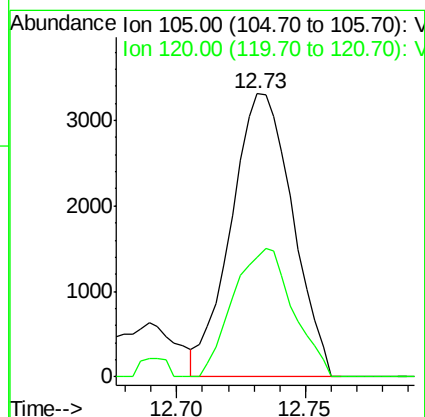
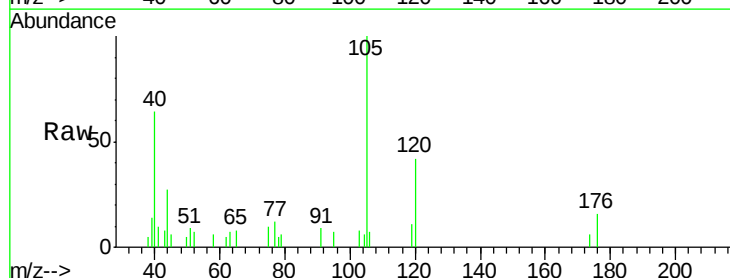
Acq: 26 Apr 2019 16:33

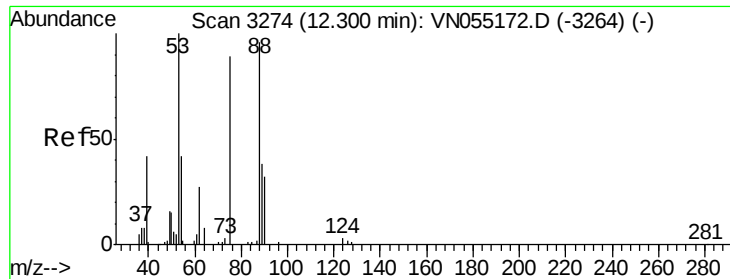
Tgt Ion: 105 Resp: 5507

Ion Ratio Lower Upper

105 100

120 44.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 144.879 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

OK-01-042519

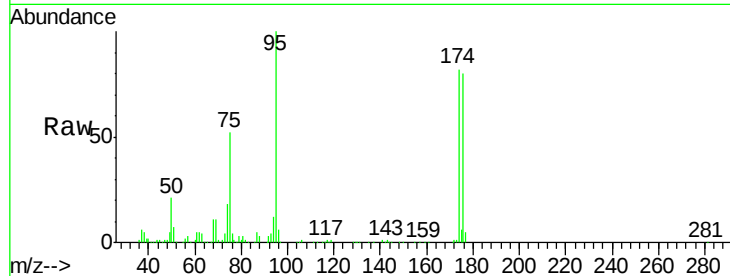
Tot Ion: 75 Resp: 120626

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

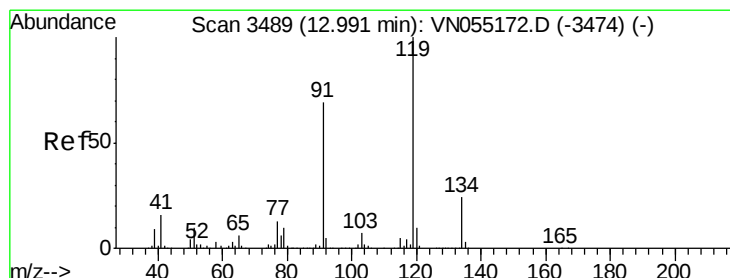
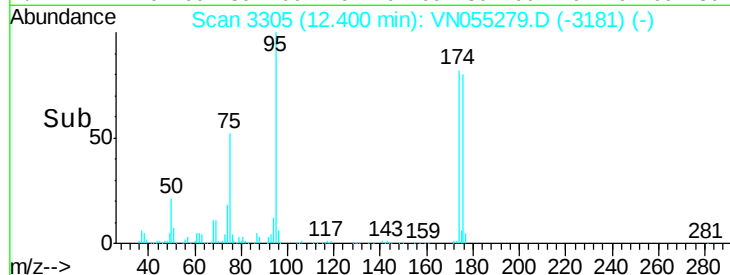
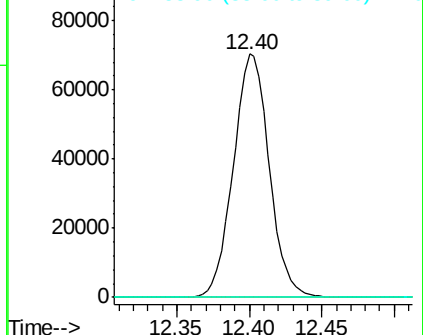
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN055279.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055279.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055279.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

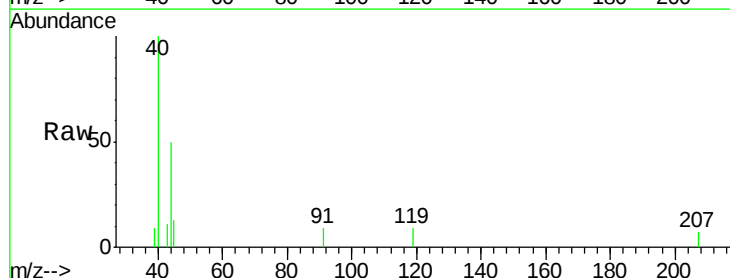
Tgt Ion: 119 Resp: 97

Ion Ratio Lower Upper

119 100

91 117.5 33.8 101.3#

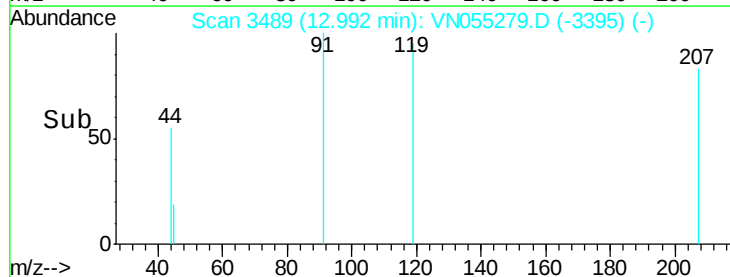
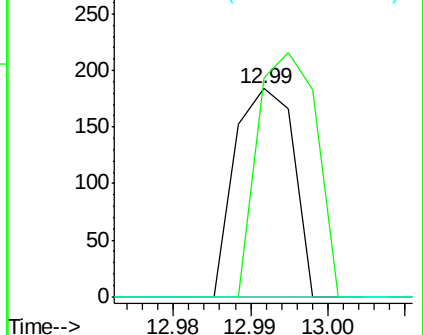
134 0.0 13.2 39.5#

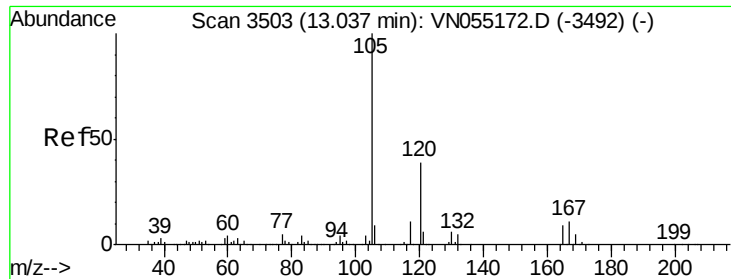


Abundance Ion 119.00 (118.70 to 119.70): VN055279.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055279.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055279.D (-3489) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.262 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

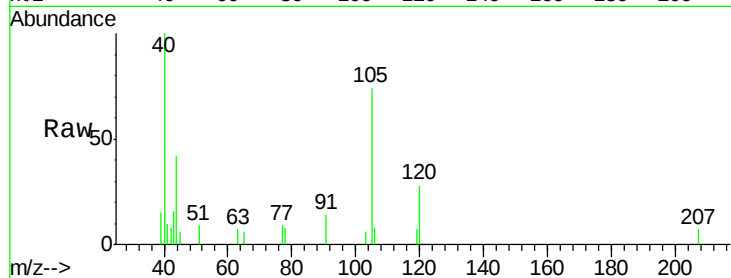
OK-01-042519

Tot Ion:105 Resp: 2878

Ion Ratio Lower Upper

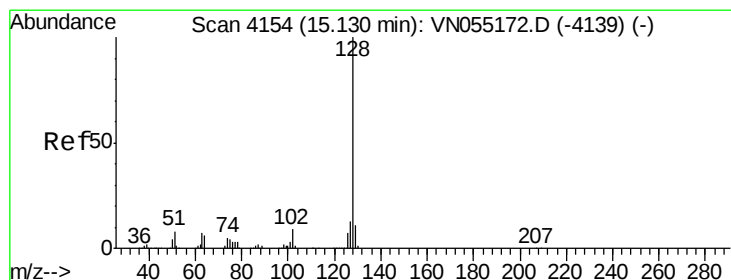
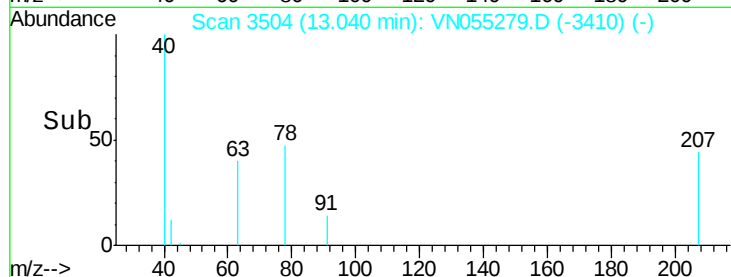
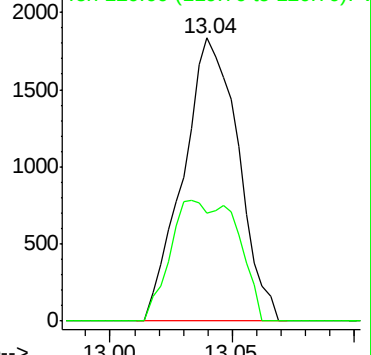
105 100

120 52.0 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.673 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055279.D

Acq: 26 Apr 2019 16:33

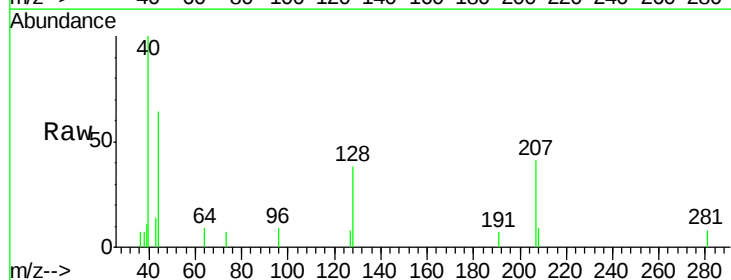
Tgt Ion:128 Resp: 1518

Ion Ratio Lower Upper

128 100

127 8.5 10.3 15.5#

129 0.0 8.8 13.2#



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

