

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058651.D
 Acq On : 9 Oct 2019 19:32
 Operator : JC/SP
 Sample : K5147-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-100719

Quant Time: Oct 10 04:40:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235545	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	288877	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	7.57	113	210931	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.08	98	842363	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.41	95	275838	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds						Qvalue
3) Chloromethane	2.04	50	2127	0.420	ug/l #	78
5) Bromomethane	2.56	94	1183	0.449	ug/l	91
14) Allyl chloride	4.53	41	282860	39.234	ug/l #	21
16) Acetone	3.80	43	11746	5.615	ug/l	89
17) Carbon Disulfide	4.04	76	2580	0.247	ug/l #	74
18) Methyl Acetate	4.30	43	4655	0.885	ug/l	93
20) Methylene Chloride	4.53	84	7246872	1501.063	ug/l #	83
25) 2-Butanone	6.83	43	2406	0.838	ug/l #	50
28) Bromochloromethane	7.18	49	2634	0.755	ug/l #	97
29) Tetrahydrofuran	7.19	42	572	0.314	ug/l #	49
31) Cyclohexane	7.65	56	9883	1.164	ug/l #	5
36) 1,1-Dichloropropene	7.65	75	34010	5.461	ug/l #	51
38) Carbon Tetrachloride	7.65	117	40962	7.287	ug/l #	16
43) Isopropyl Acetate	8.15	43	106974	10.774	ug/l	98
45) 1,2-Dichloropropane	9.26	63	2013	0.419	ug/l #	43
48) Methyl methacrylate	9.17	41	6224	1.377	ug/l #	13
49) 1,4-Dioxane	9.26	88	229	3.788	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8152	1.598	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	46728	6.714	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	7866	1.075	ug/l #	43
59) 2-Hexanone	10.76	43	118661	31.953	ug/l #	53
60) Dibromochloromethane	10.91	129	67	Below Cal	#	5
71) Bromoform	12.40	173	442	0.857	ug/l #	1
74) N-amyl acetate	12.03	43	3609	0.521	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	146010	33.938	ug/l #	100
78) n-propylbenzene	12.60	91	4221	0.215	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	5227	0.359	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	146010	103.074	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.05	105	4589	0.314	ug/l	90
89) n-Butylbenzene	13.62	91	3311	0.257	ug/l	98
90) Hexachloroethane	13.89	117	539	0.252	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	1456	0.205	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	233	0.257	ug/l #	60
93) 1,2,4-Trichlorobenzene	14.92	180	3221	0.820	ug/l	94

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Response via : Initial Calibration

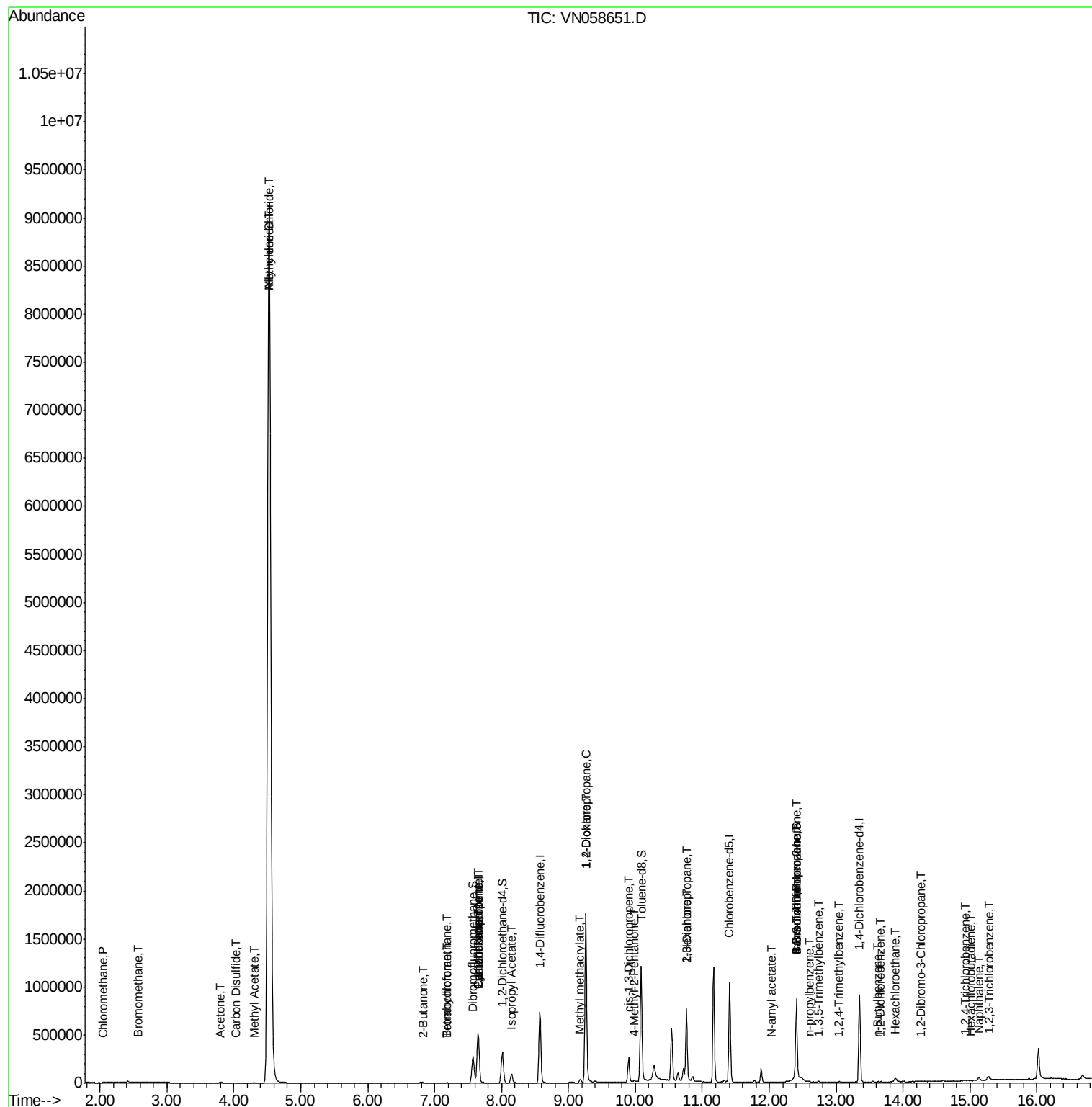
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	686	0.340	ug/l	73
95) Naphthalene	15.13	128	18520	1.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	3481	0.859	ug/l #	85

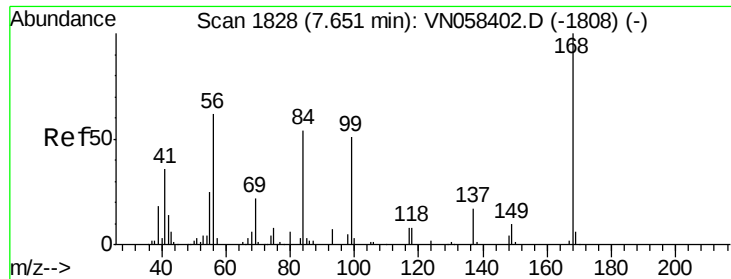
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

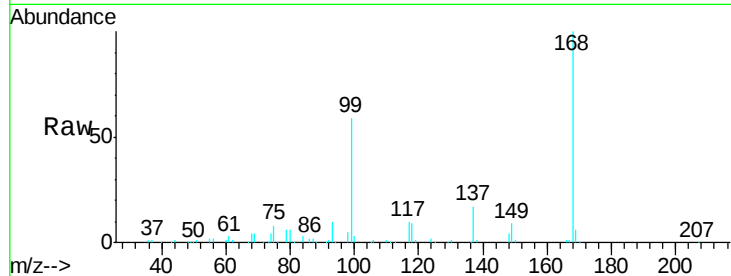
OK-03-100719

Tgt Ion:168 Resp: 419953

Ion Ratio Lower Upper

168 100

99 59.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

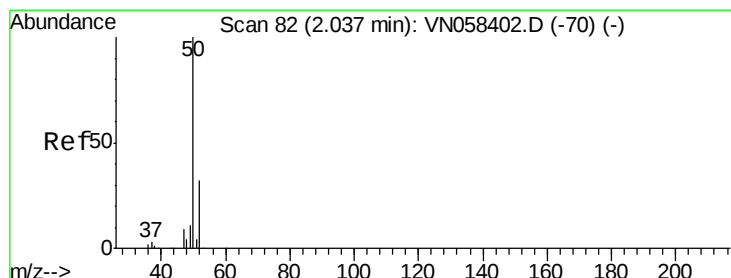
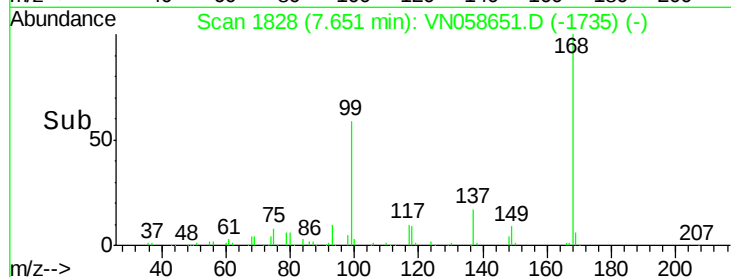
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.420 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058651.D

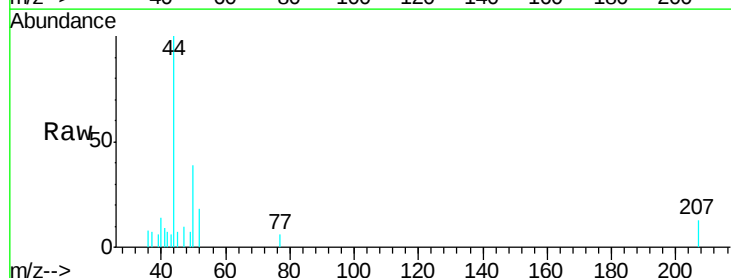
Acq: 9 Oct 2019 19:32

Tgt Ion: 50 Resp: 2127

Ion Ratio Lower Upper

50 100

52 44.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

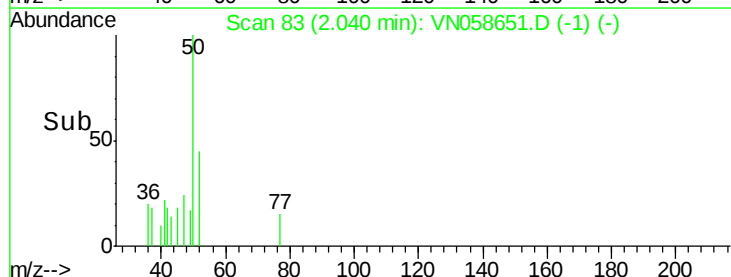
2.04

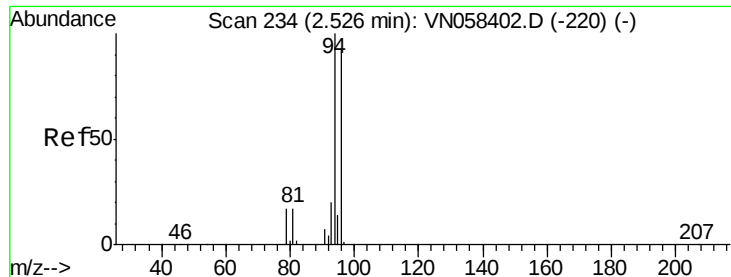
1000

500

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.449 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

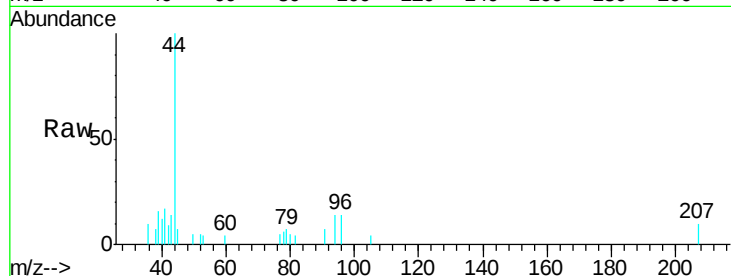
OK-03-100719

Tgt Ion: 94 Resp: 1183

Ion Ratio Lower Upper

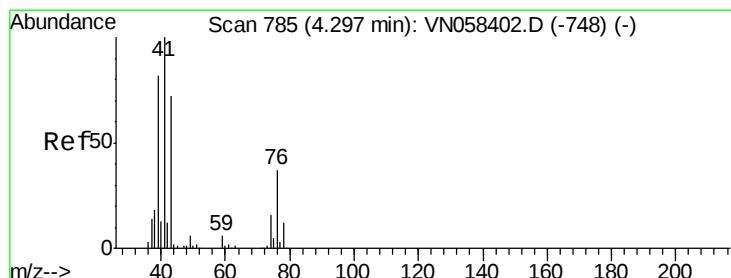
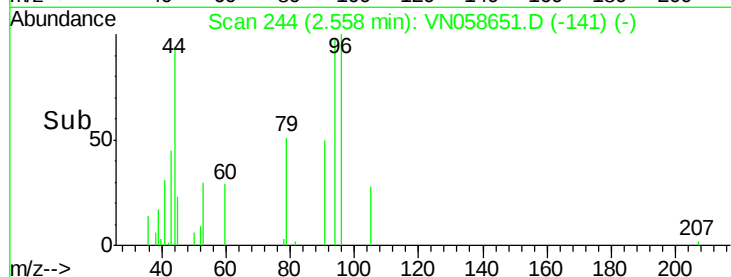
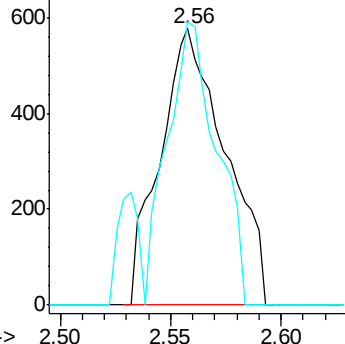
94 100

96 102.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#14

Allyl chloride

Concen: 39.234 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

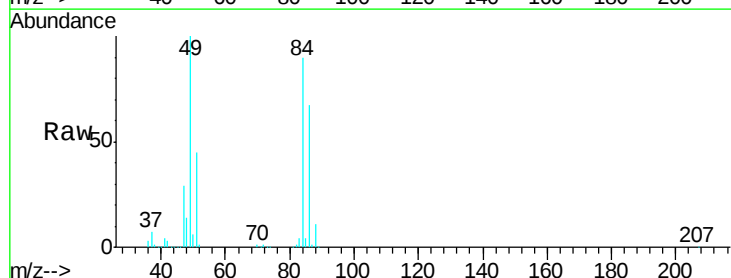
Tgt Ion: 41 Resp: 282860

Ion Ratio Lower Upper

41 100

39 1.3 62.3 93.5#

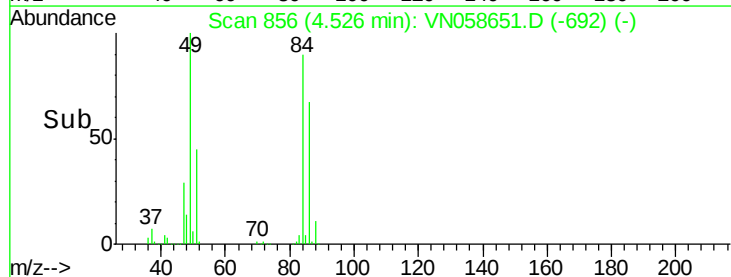
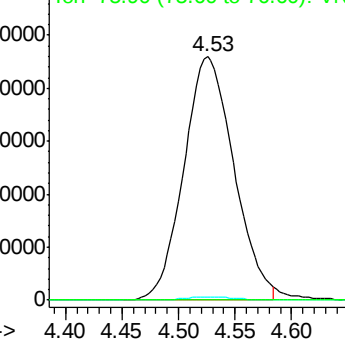
76 0.0 26.9 40.3#

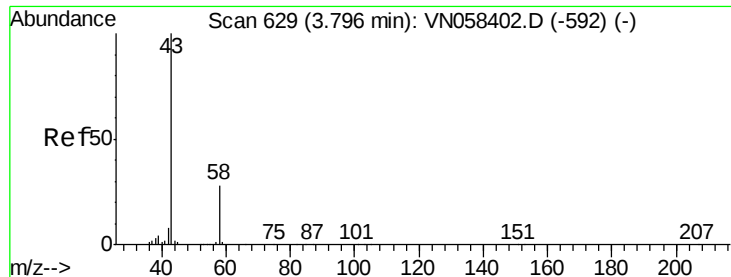


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 5.615 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

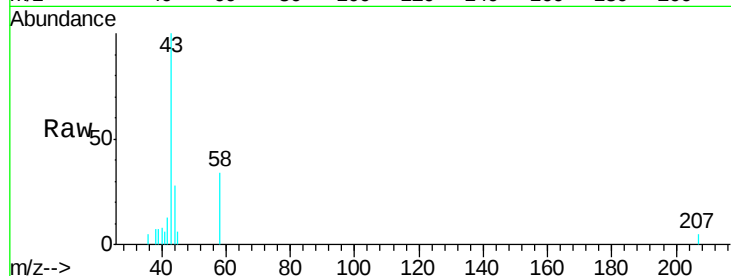
OK-03-100719

Tgt Ion: 43 Resp: 11746

Ion Ratio Lower Upper

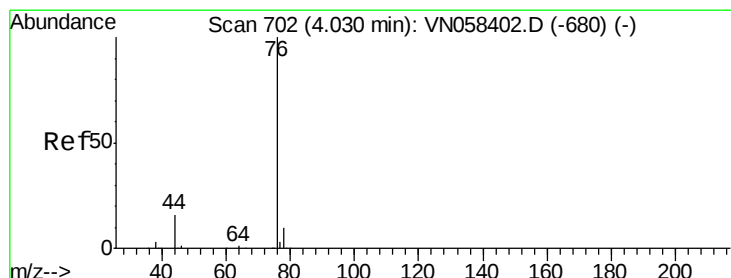
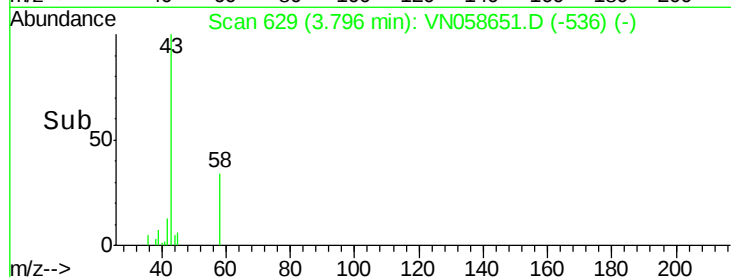
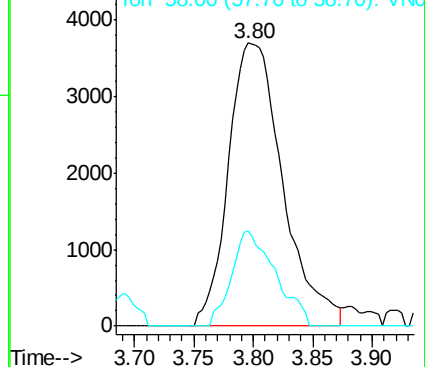
43 100

58 33.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058651.D

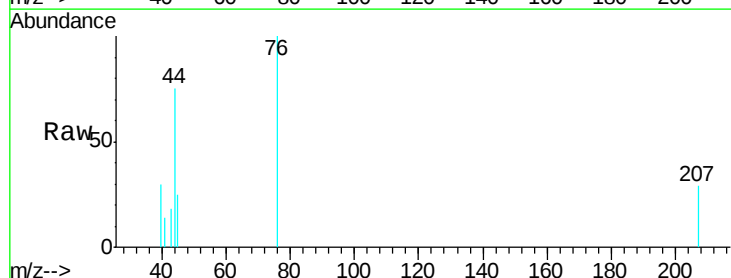
Acq: 9 Oct 2019 19:32

Tgt Ion: 76 Resp: 2580

Ion Ratio Lower Upper

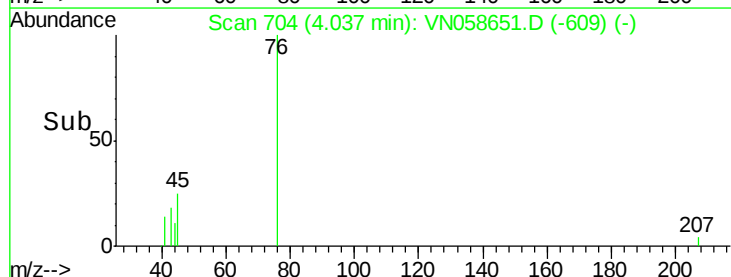
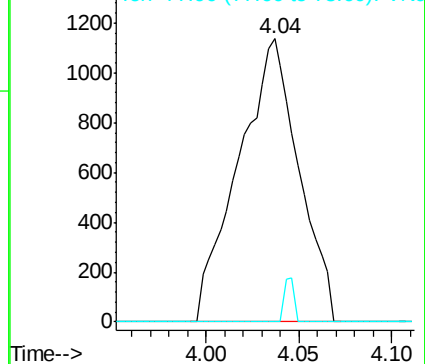
76 100

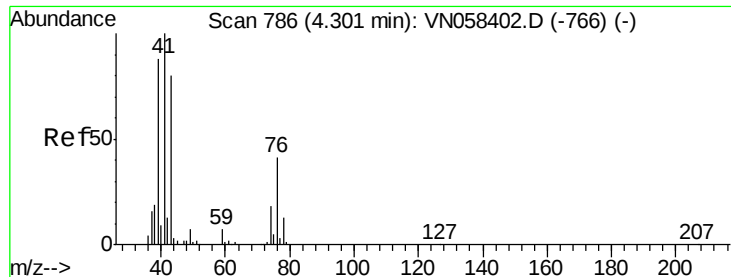
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

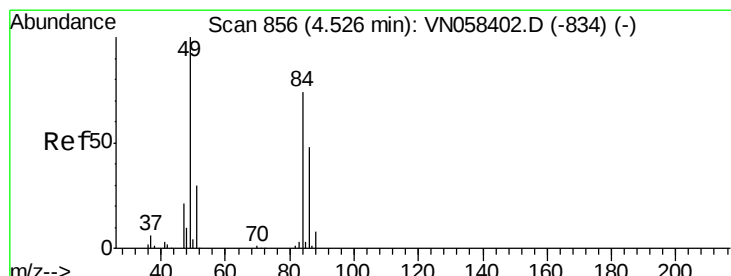
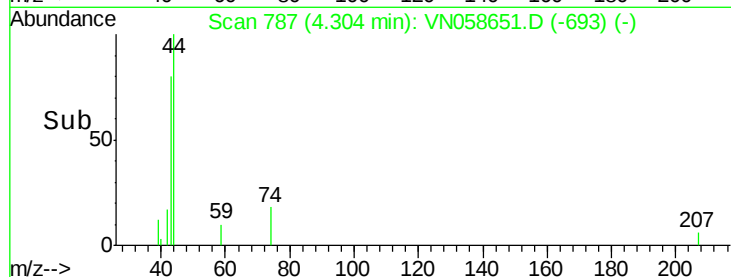
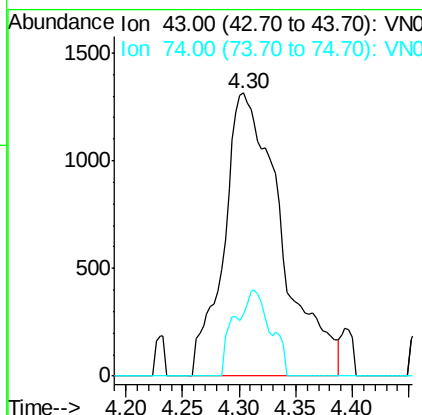
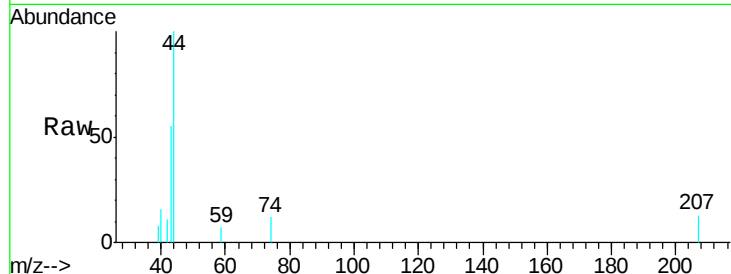




#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058651.D
Acq: 9 Oct 2019 19:32

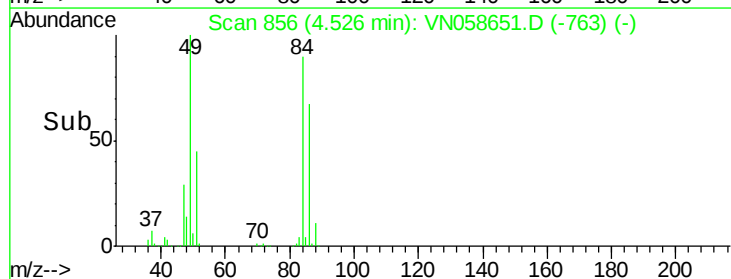
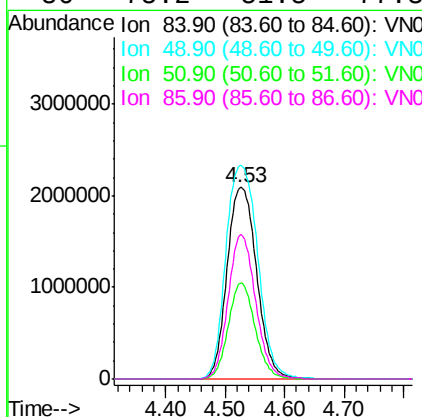
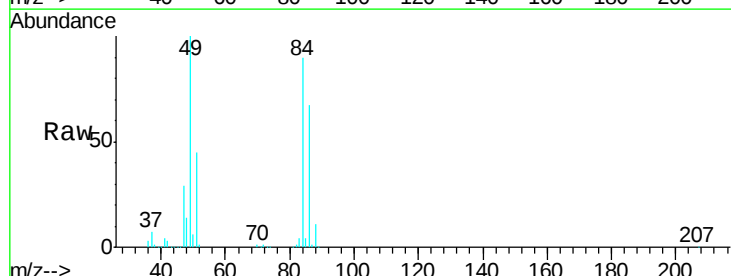
Instrument :
MSVOA_N
ClientSampled :
OK-03-100719

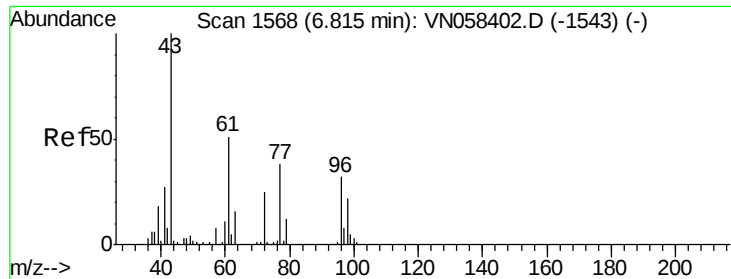
Tgt Ion: 43 Resp: 4655
Ion Ratio Lower Upper
43 100
74 19.0 18.0 27.0



#20
Methylene Chloride
Concen: 1501.063 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058651.D
Acq: 9 Oct 2019 19:32

Tgt Ion: 84 Resp: 7246872
Ion Ratio Lower Upper
84 100
49 111.4 107.9 161.9
51 50.0 32.8 49.2#
86 75.2 51.5 77.3





#25

2-Butanone

Concen: 0.838 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

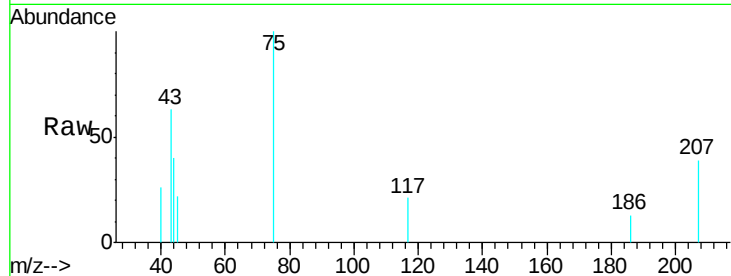
OK-03-100719

Tgt Ion: 43 Resp: 2406

Ion Ratio Lower Upper

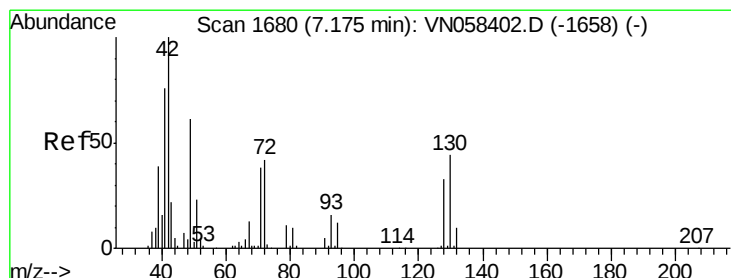
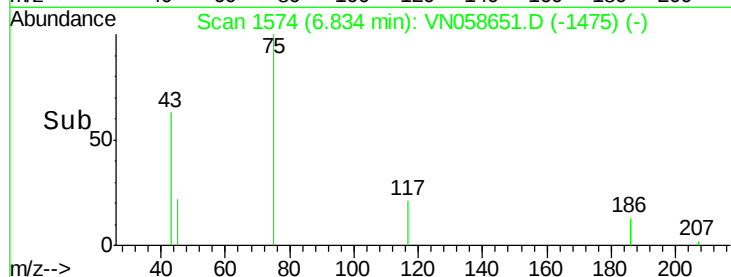
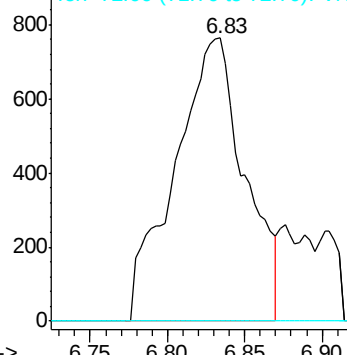
43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#28

Bromochloromethane

Concen: 0.755 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

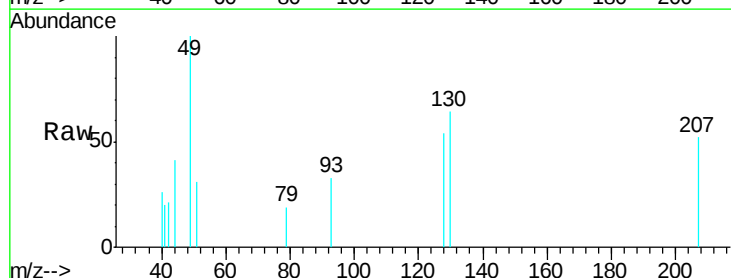
Tgt Ion: 49 Resp: 2634

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

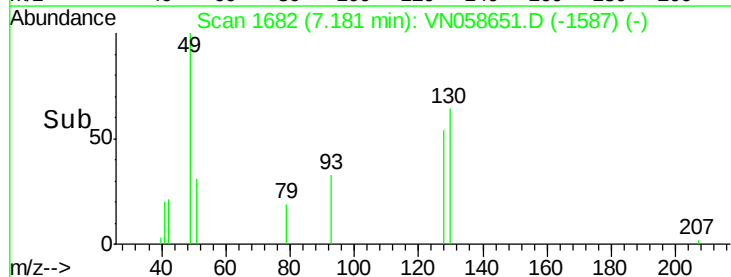
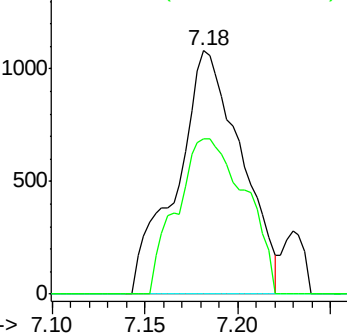
130 67.6 56.3 84.5

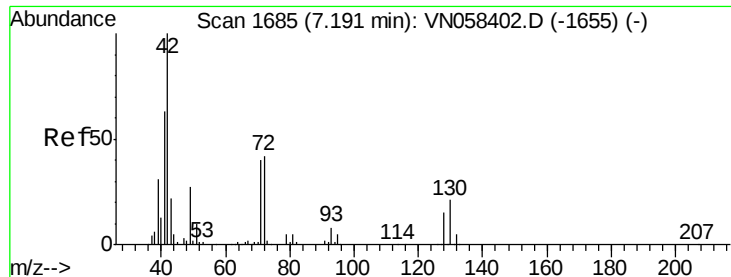


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.314 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

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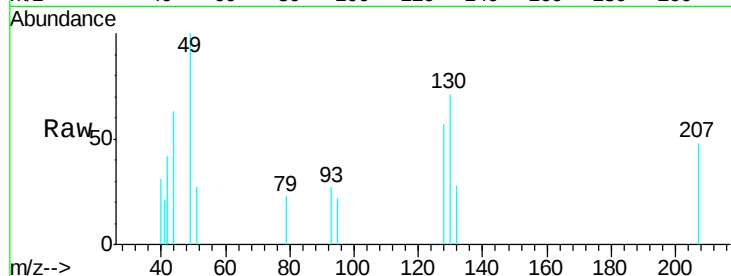
Tgt Ion: 42 Resp: 572

Ion Ratio Lower Upper

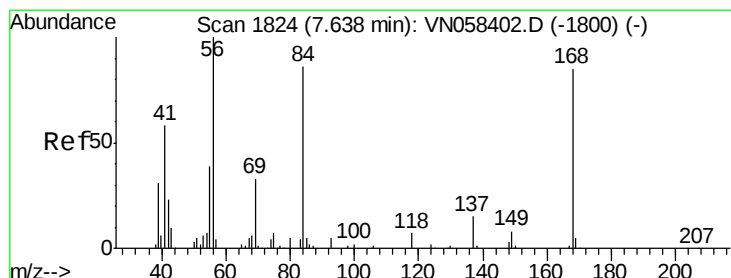
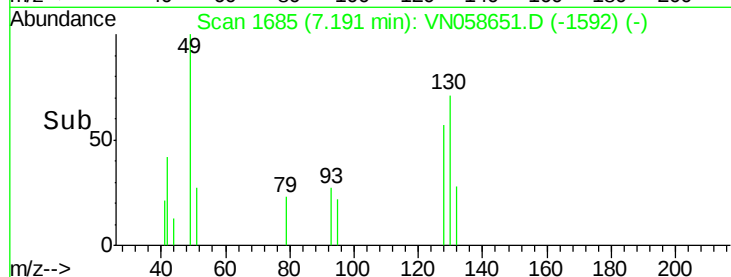
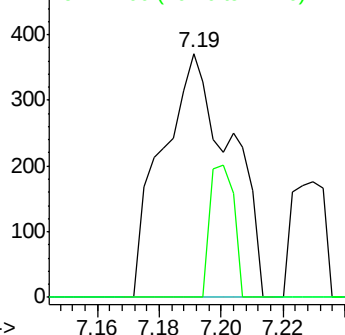
42 100

72 0.0 33.7 50.5#

71 18.7 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

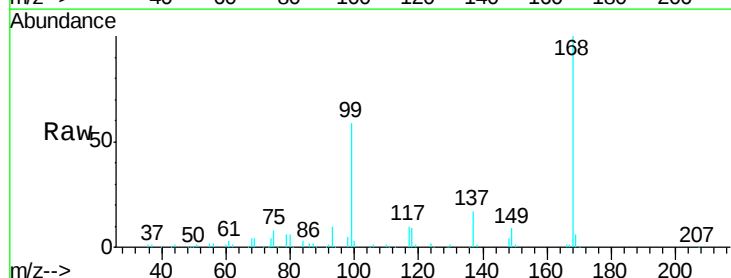
Tgt Ion: 56 Resp: 9883

Ion Ratio Lower Upper

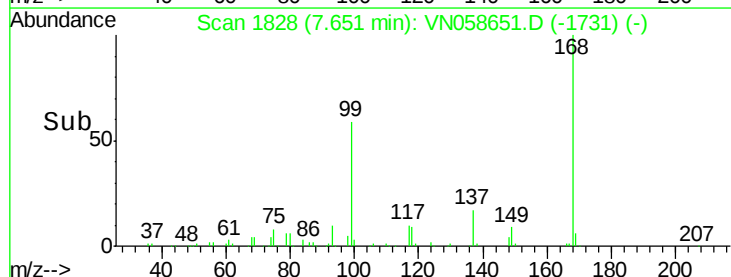
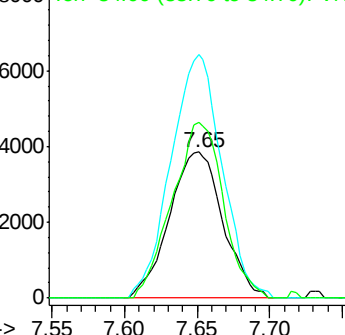
56 100

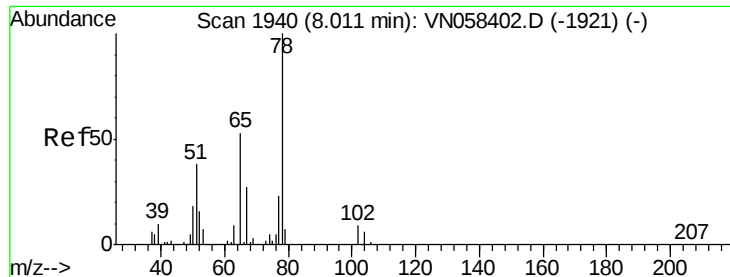
69 167.0 26.2 39.4#

84 120.8 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

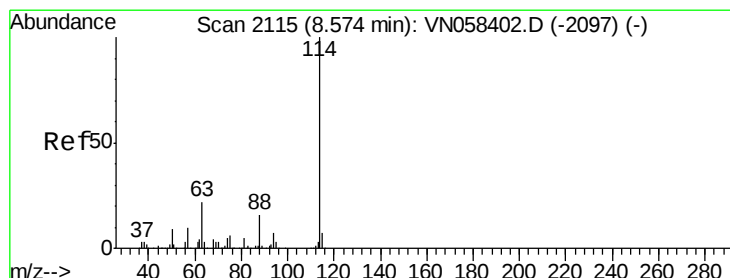
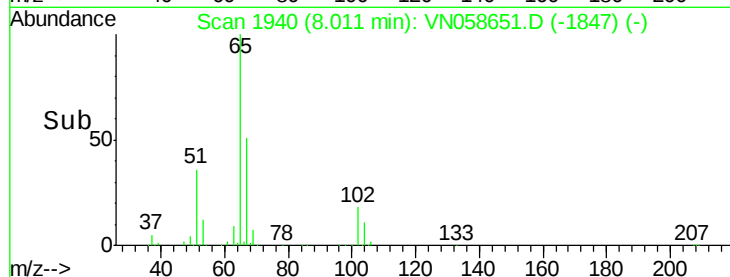
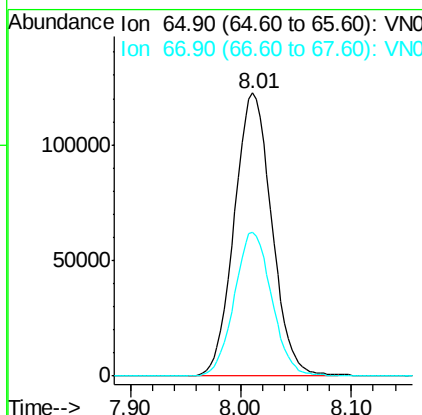
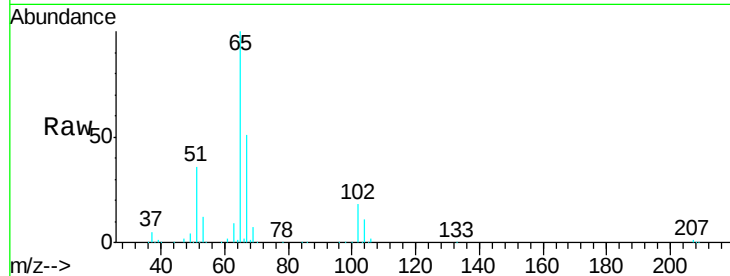




#33
 1,2-Dichloroethane-d4
 Concen: 47.072 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

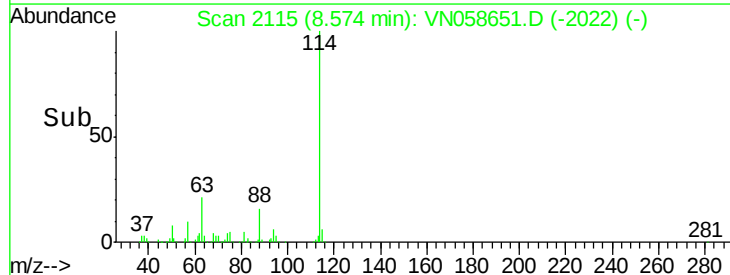
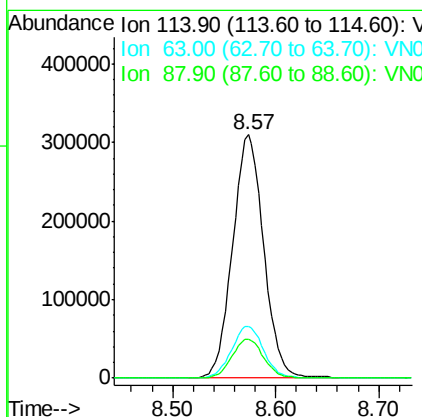
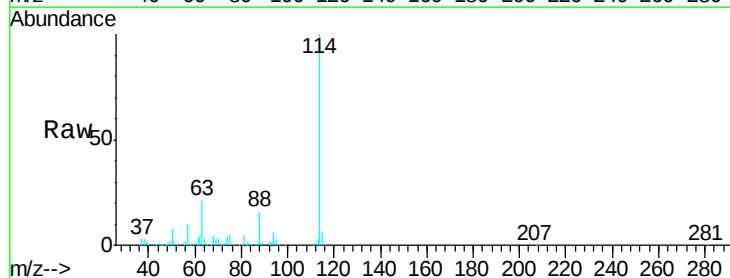
Instrument :
 MSVOA_N
 ClientSampled :
 OK-03-100719

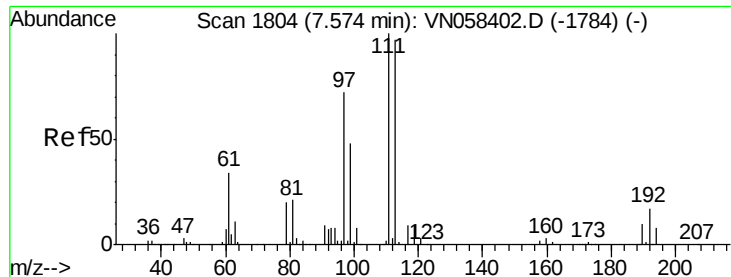
Tgt Ion: 65 Resp: 288877
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Tgt Ion: 114 Resp: 651292
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.0
 88 15.9 0.0 32.2

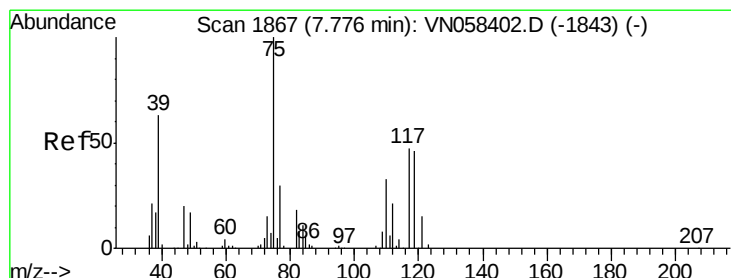
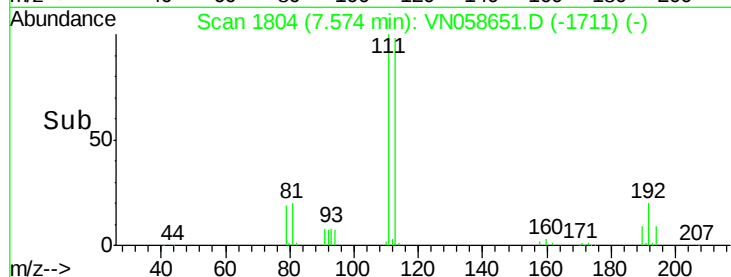
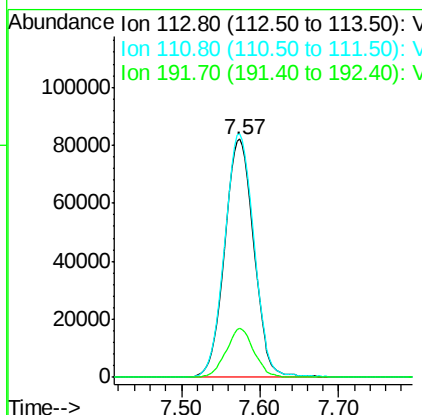
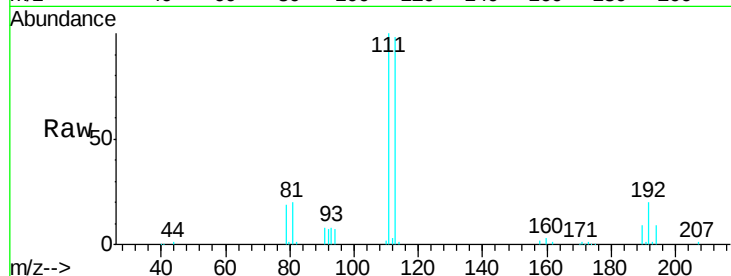




#35
 Dibromofluoromethane
 Concen: 52.842 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

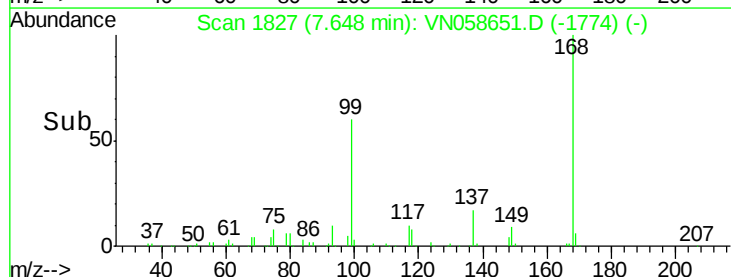
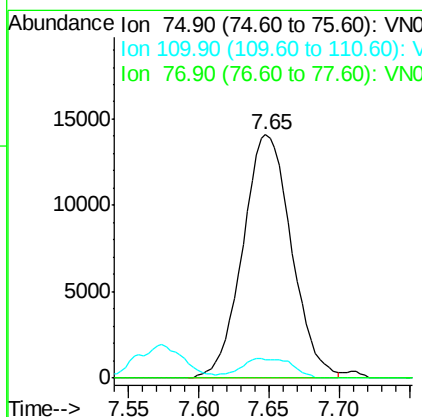
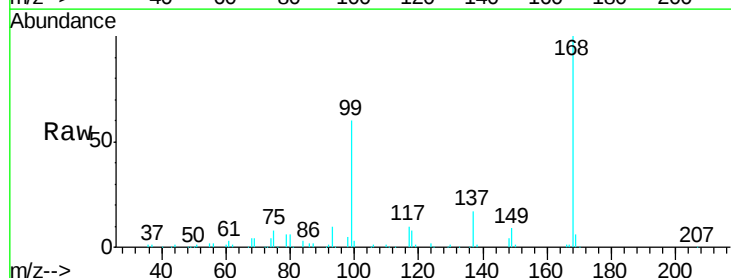
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-100719

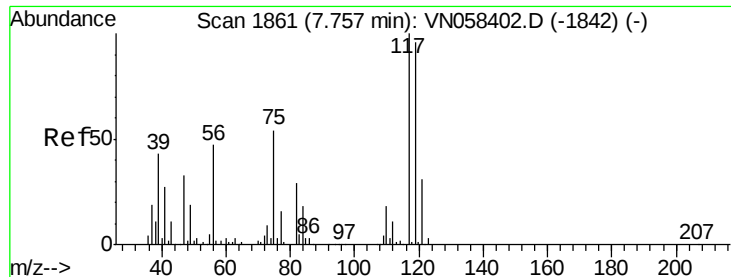
Tgt Ion: 113 Resp: 210931
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 19.6 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.461 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Tgt Ion: 75 Resp: 34010
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.4 49.2#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.287 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

OK-03-100719

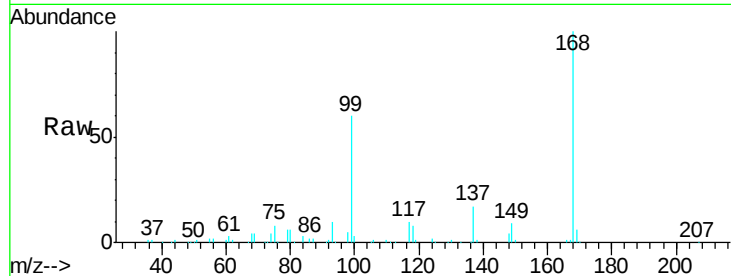
Tgt Ion:117 Resp: 40962

Ion Ratio Lower Upper

117 100

119 5.5 76.6 115.0#

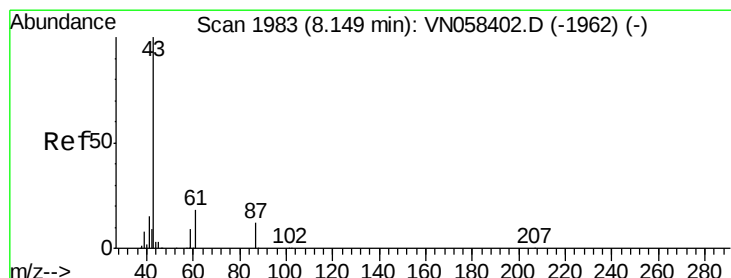
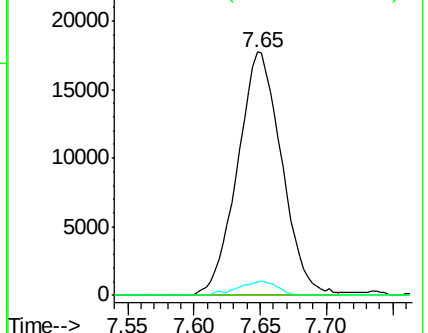
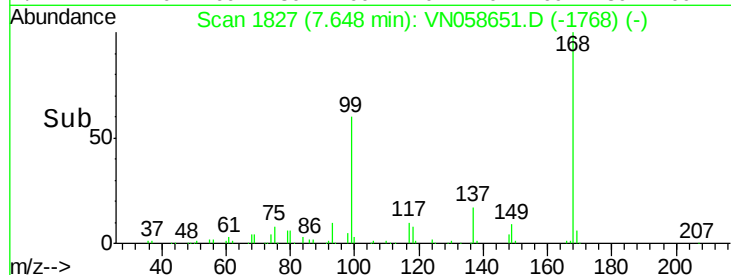
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.774 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

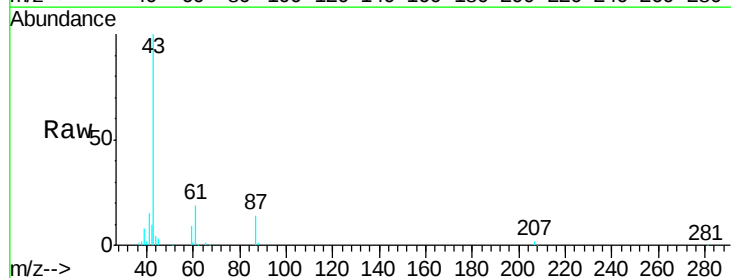
Tgt Ion: 43 Resp: 106974

Ion Ratio Lower Upper

43 100

61 19.1 14.8 22.2

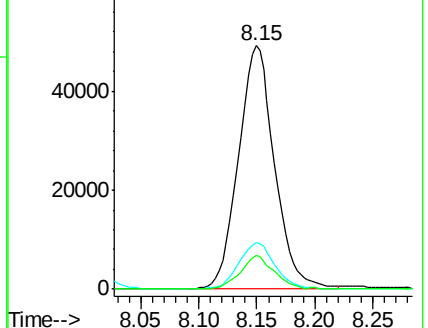
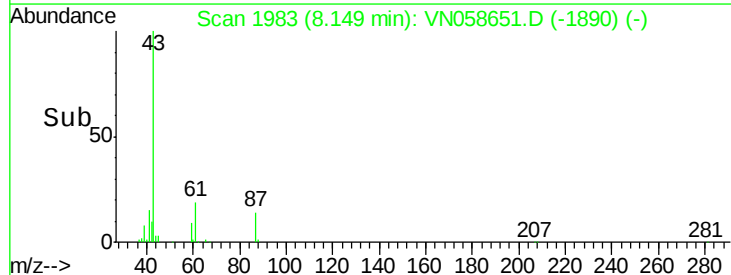
87 12.7 9.7 14.5

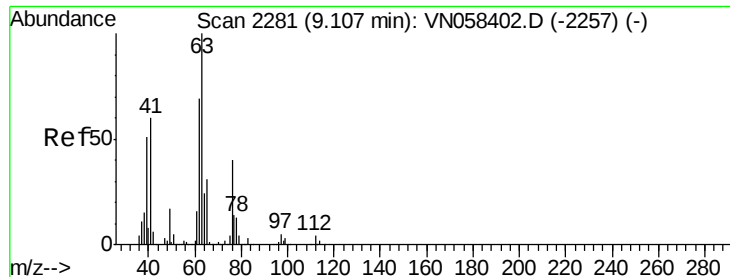


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.419 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

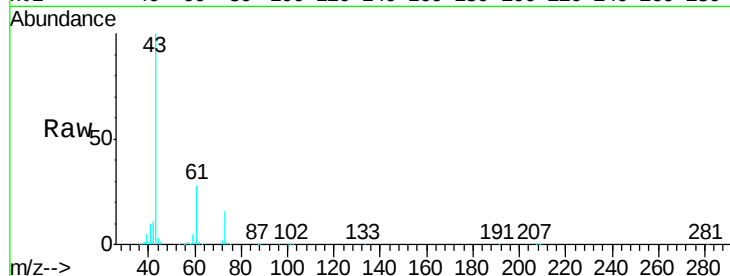
OK-03-100719

Tgt Ion: 63 Resp: 2013

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.26

1200

1000

800

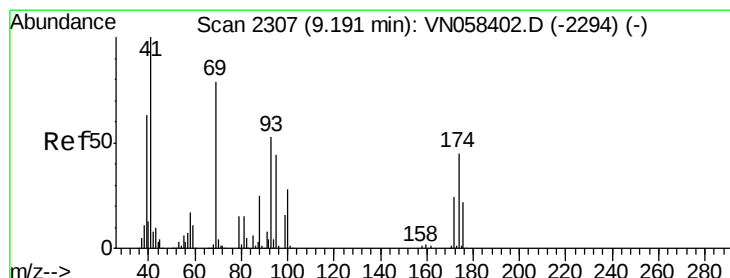
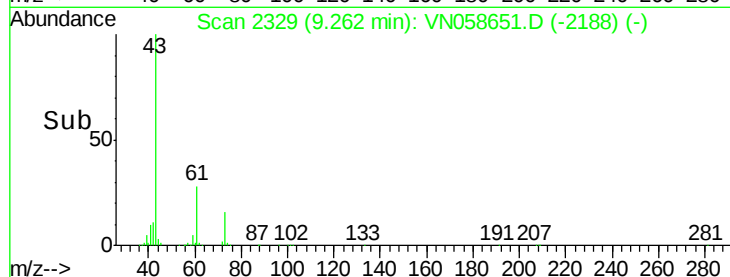
600

400

200

0

Time--> 9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 1.377 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

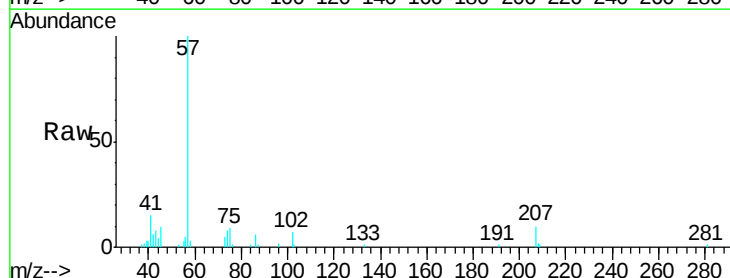
Tgt Ion: 41 Resp: 6224

Ion Ratio Lower Upper

41 100

69 1.0 64.7 97.1#

39 0.0 52.9 79.3#



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

120000

100000

80000

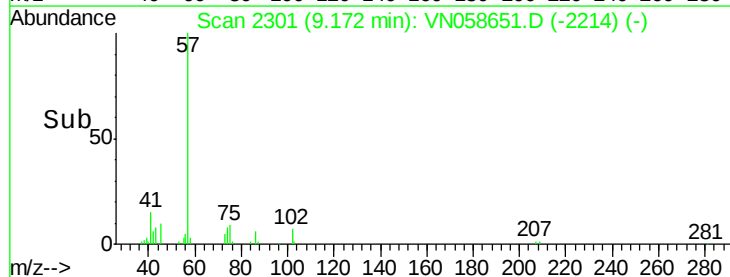
60000

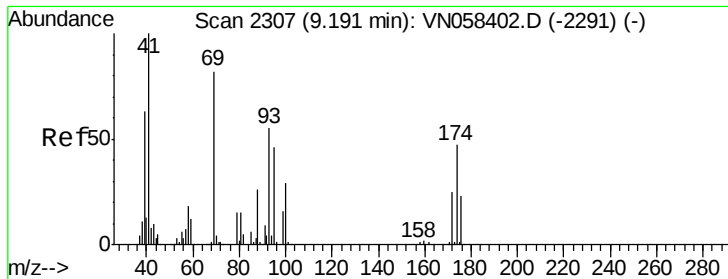
40000

20000

0

Time--> 9.10 9.15 9.20

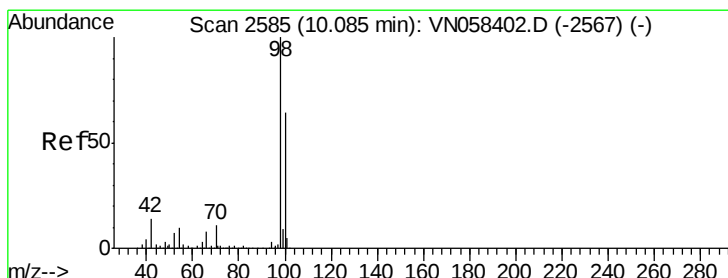
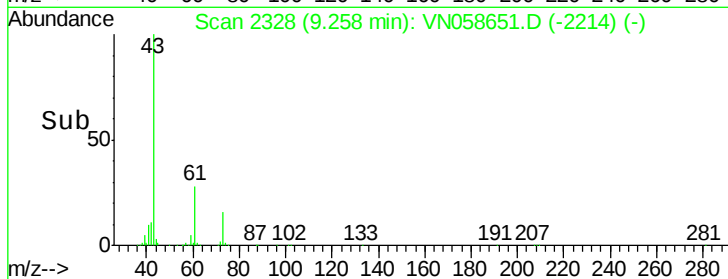
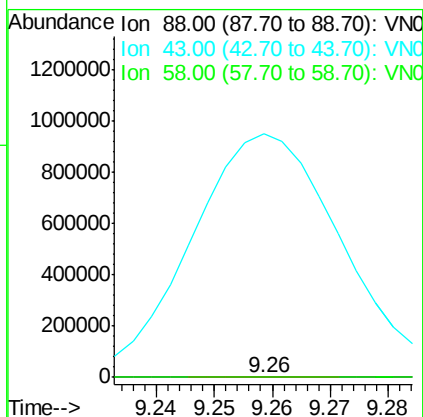
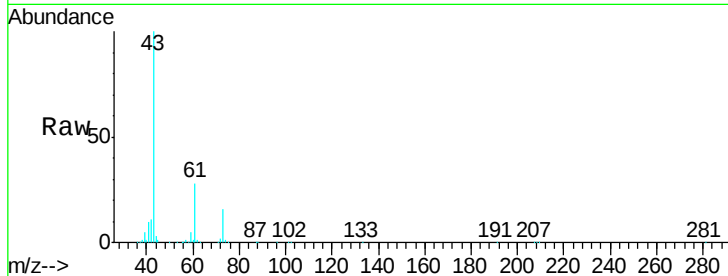




#49
 1,4-Dioxane
 Concen: 3.788 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.07 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

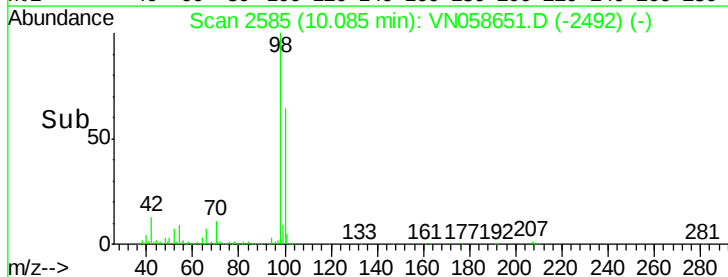
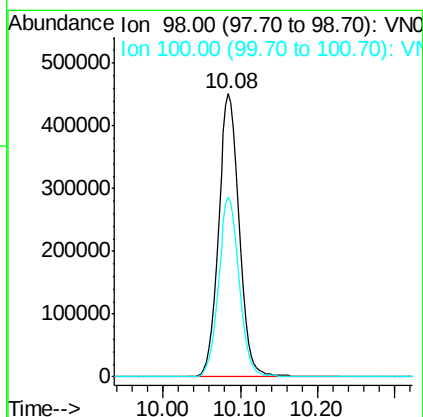
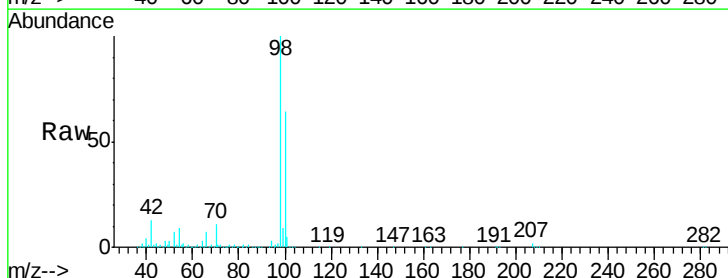
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-100719

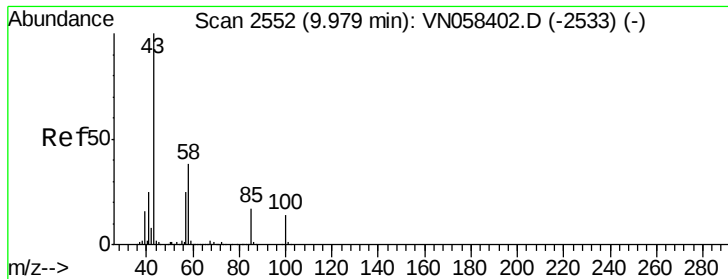
Tgt Ion: 88 Resp: 229
 Ion Ratio Lower Upper
 88 100
 43 775904.8 31.1 46.7#
 58 3439.7 58.1 87.1#



#50
 Toluene-d8
 Concen: 53.869 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Tgt Ion: 98 Resp: 842363
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 1.598 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

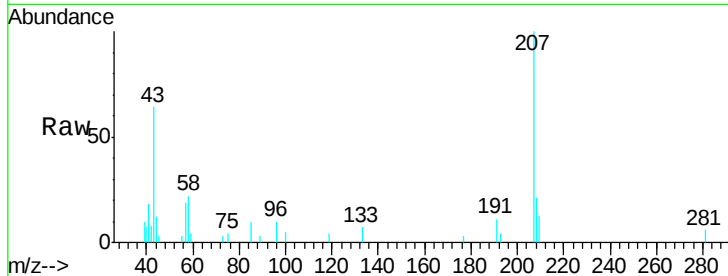
OK-03-100719

Tgt Ion: 43 Resp: 8152

Ion Ratio Lower Upper

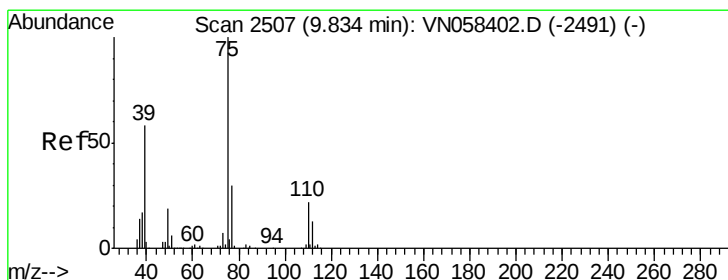
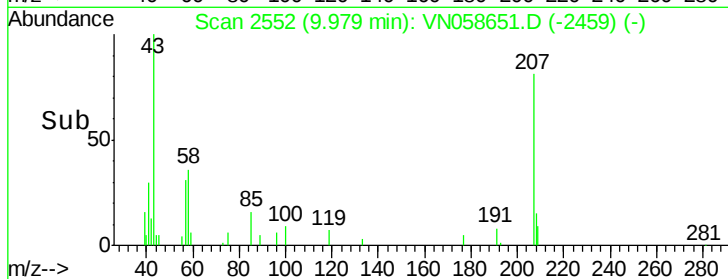
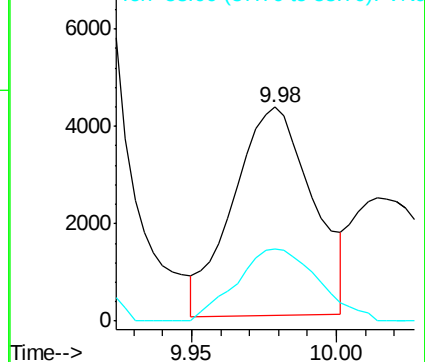
43 100

58 35.8 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.714 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

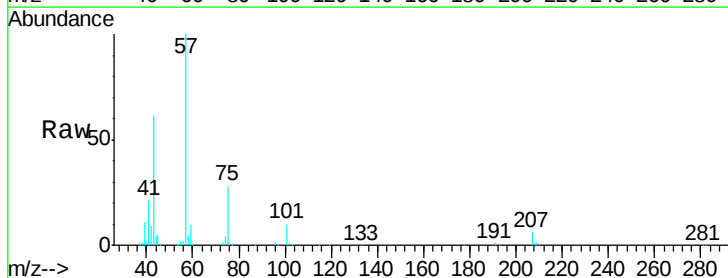
Tgt Ion: 75 Resp: 46728

Ion Ratio Lower Upper

75 100

77 0.6 24.2 36.4#

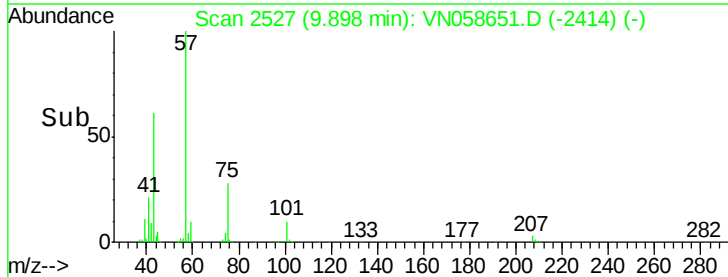
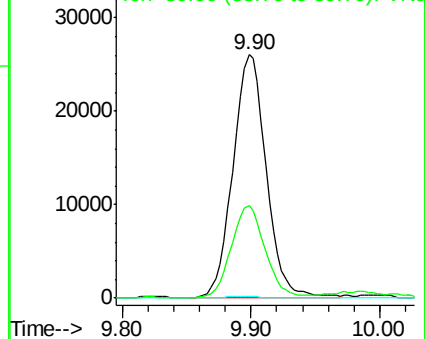
39 37.8 46.4 69.6#

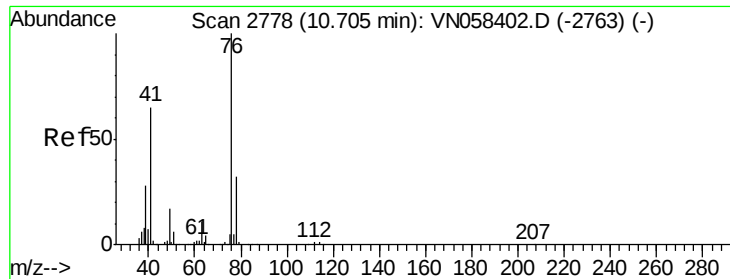


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

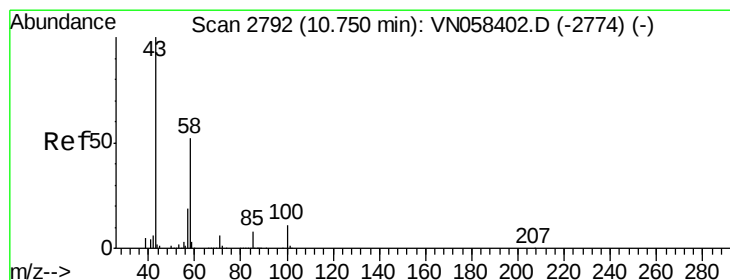
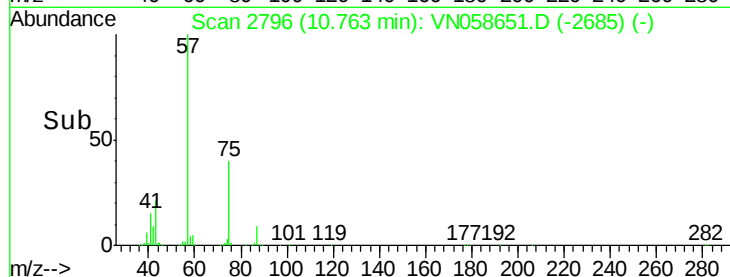
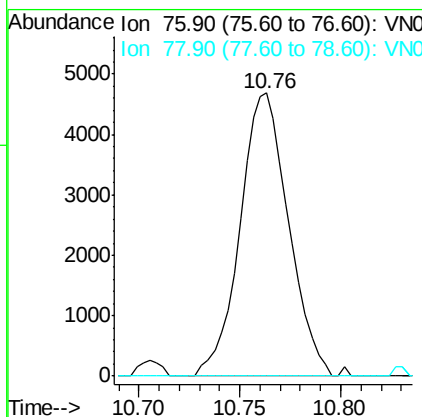
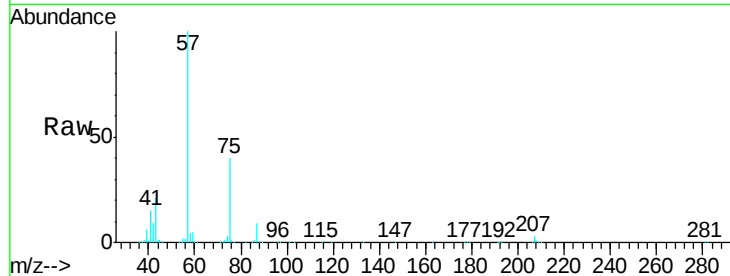




#57
 1,3-Dichloropropane
 Concen: 1.075 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

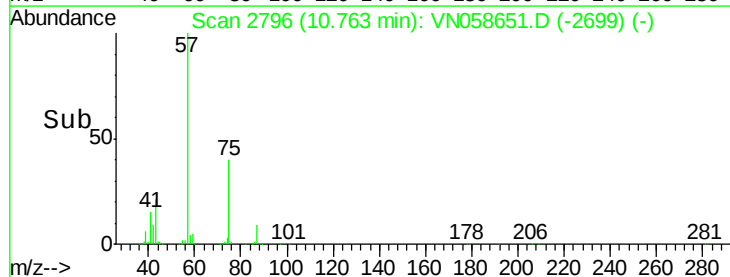
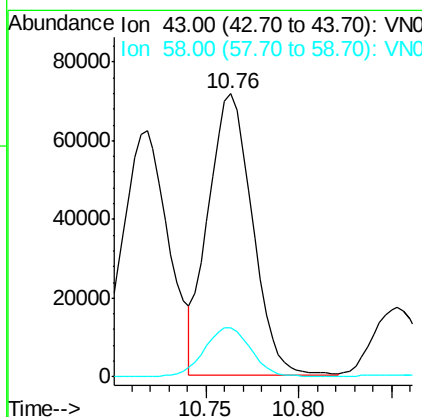
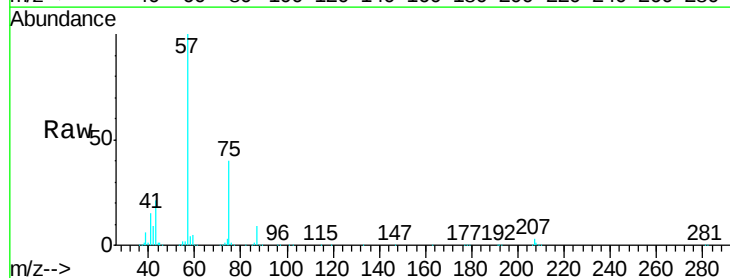
Instrument :
 MSVOA_N
 ClientSampled :
 OK-03-100719

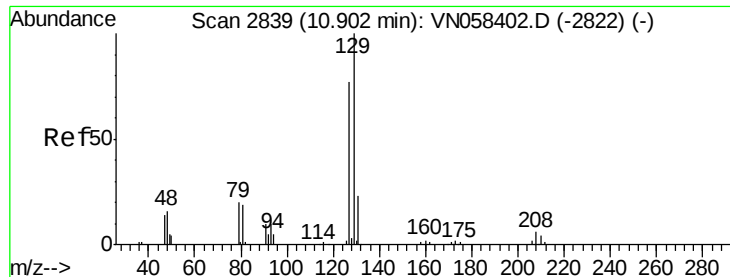
Tgt Ion: 76 Resp: 7866
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 31.953 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Tgt Ion: 43 Resp: 118661
 Ion Ratio Lower Upper
 43 100
 58 18.6 25.8 77.3#





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.91 min Scan# 2842

Delta R.T. 0.01 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

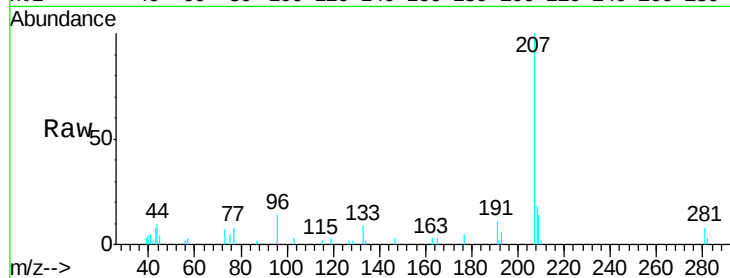
OK-03-100719

Tgt Ion:129 Resp: 67

Ion Ratio Lower Upper

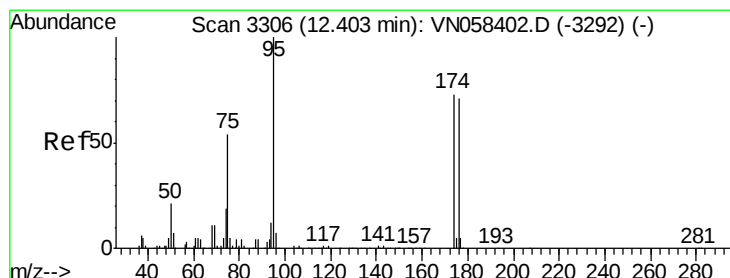
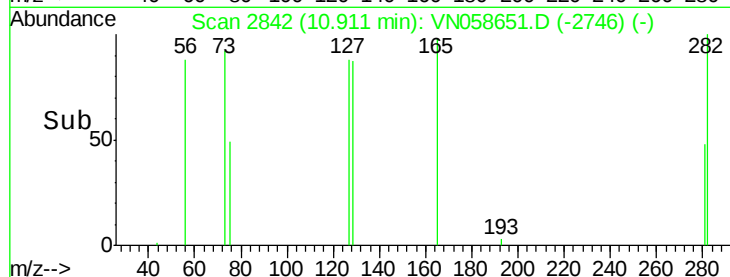
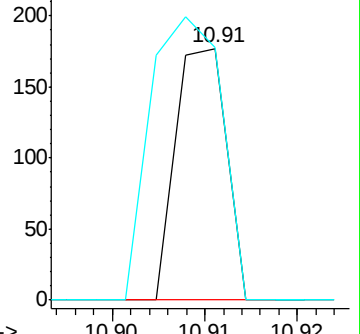
129 100

127 158.2 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.785 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

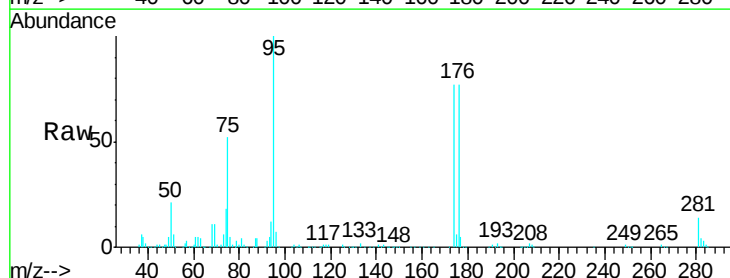
Tgt Ion: 95 Resp: 275838

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.6

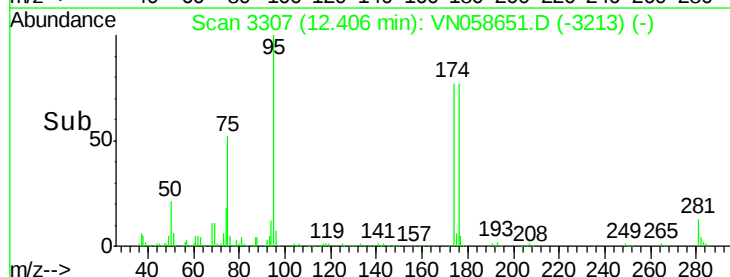
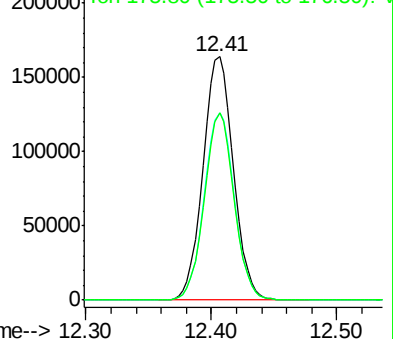
176 75.3 0.0 146.2

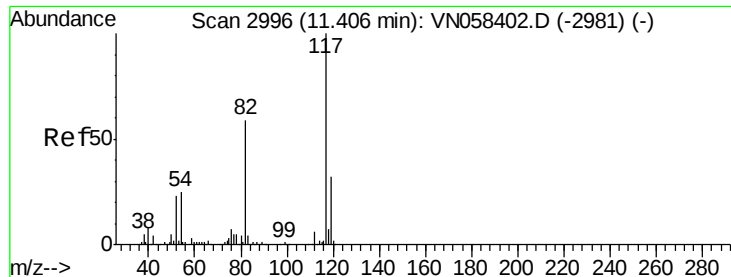


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

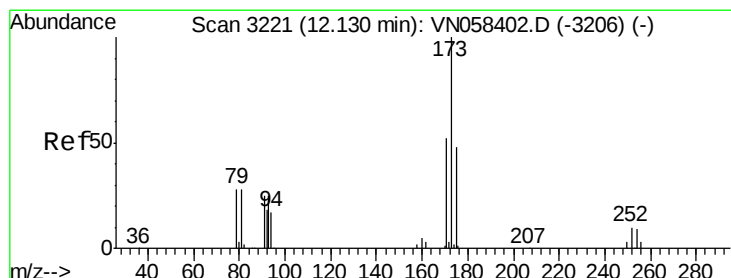
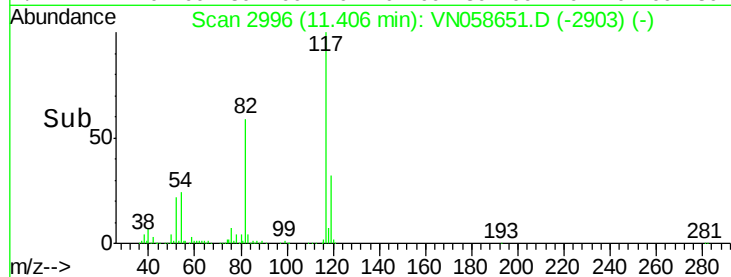
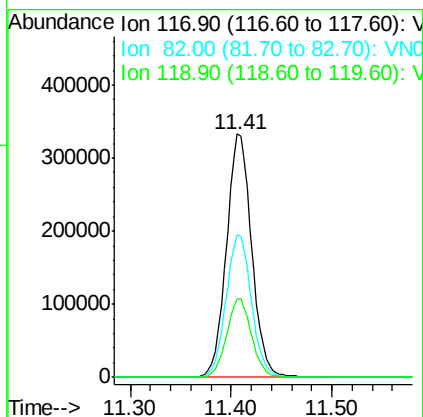
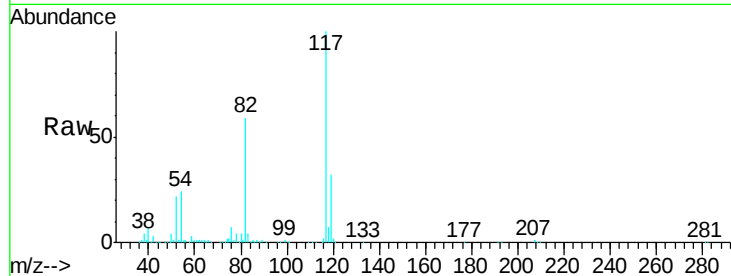




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058651.D
Acq: 9 Oct 2019 19:32

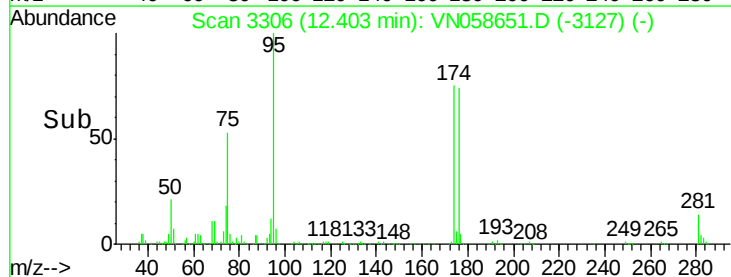
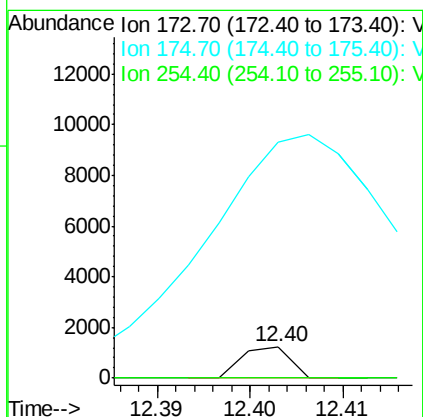
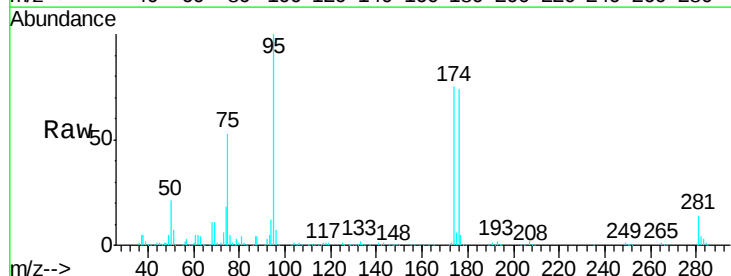
Instrument :
MSVOA_N
ClientSampled :
OK-03-100719

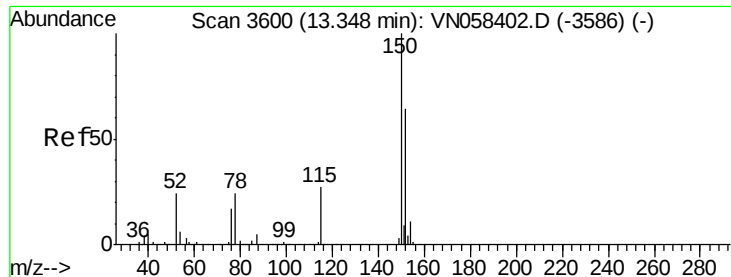
Tgt Ion:117 Resp: 580833
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.857 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058651.D
Acq: 9 Oct 2019 19:32

Tgt Ion:173 Resp: 442
Ion Ratio Lower Upper
173 100
175 2940.3 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

OK-03-100719

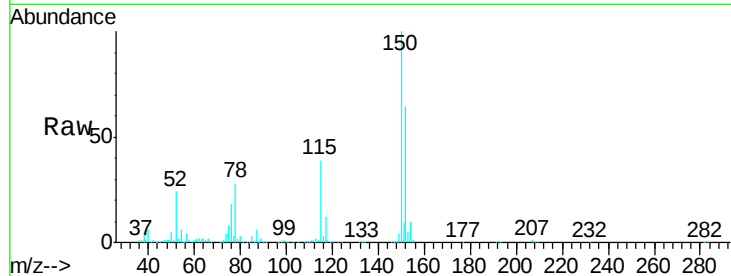
Tgt Ion: 152 Resp: 235545

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

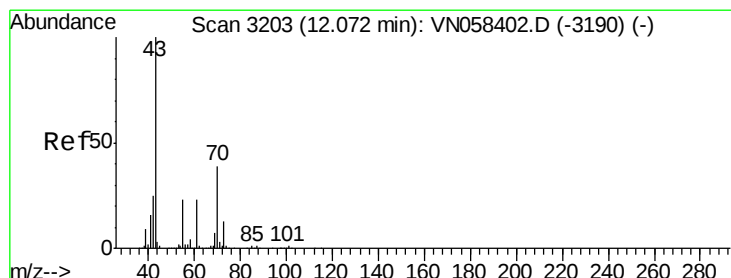
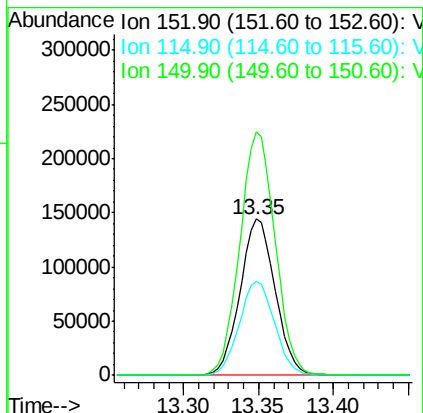
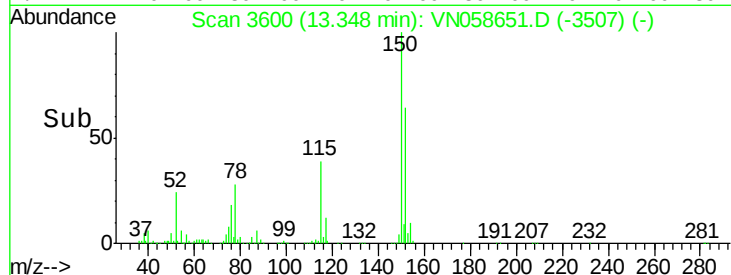
150 157.0 0.0 348.2



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-ethyl acetate

Concen: 0.521 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Tgt Ion: 43 Resp: 3609

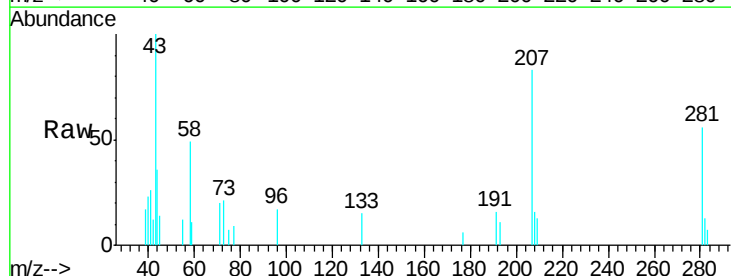
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.2#

55 12.7 18.2 27.4#

61 0.0 18.3 27.5#

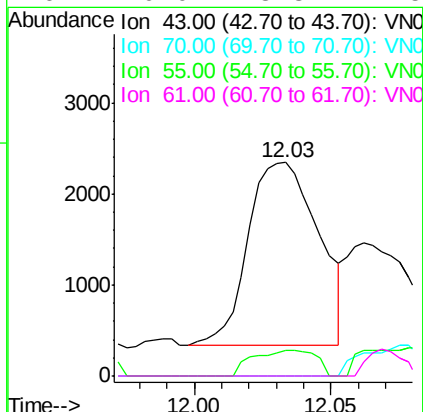
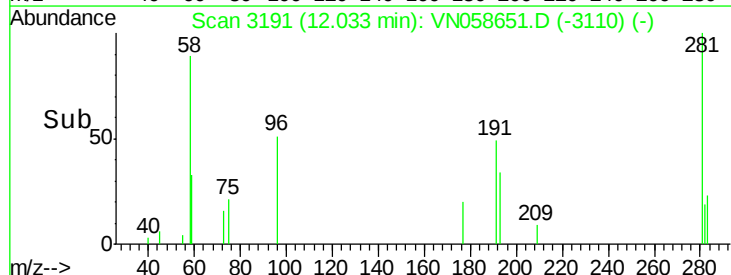


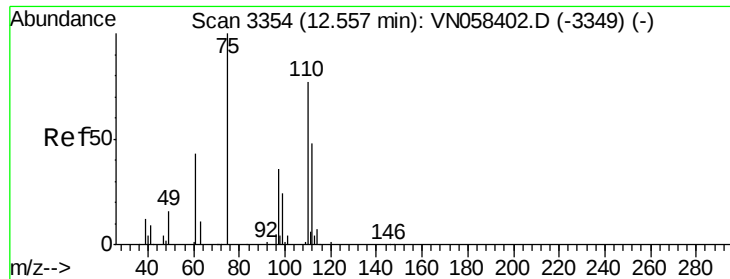
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.938 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

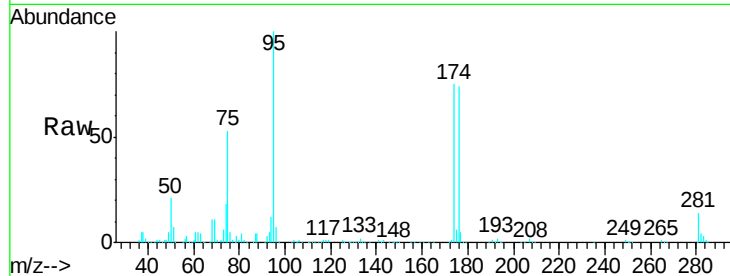
OK-03-100719

Tgt Ion: 75 Resp: 146010

Ion Ratio Lower Upper

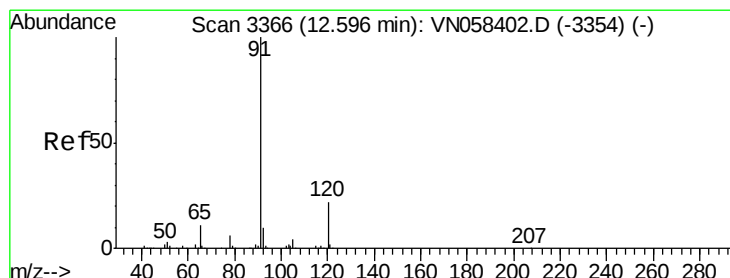
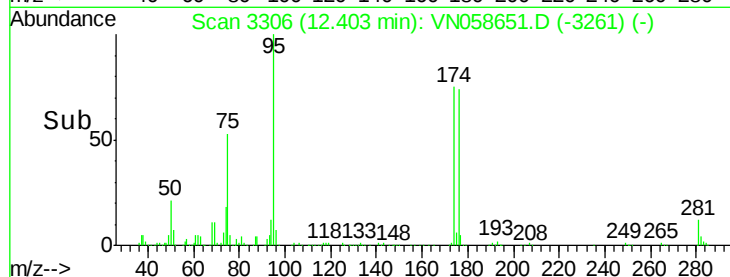
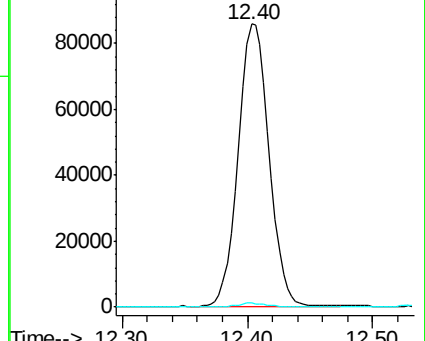
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.215 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058651.D

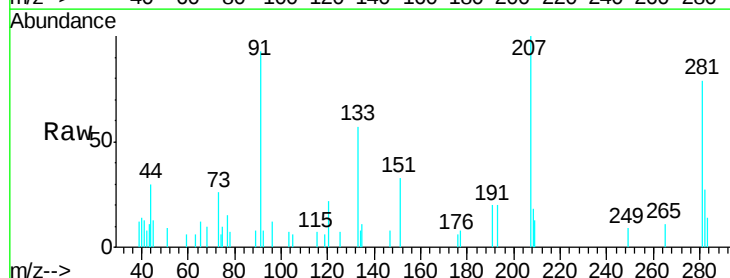
Acq: 9 Oct 2019 19:32

Tgt Ion: 91 Resp: 4221

Ion Ratio Lower Upper

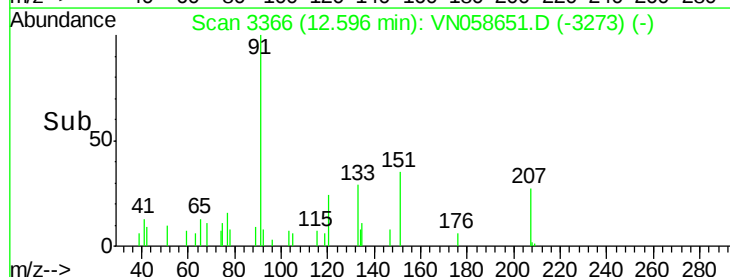
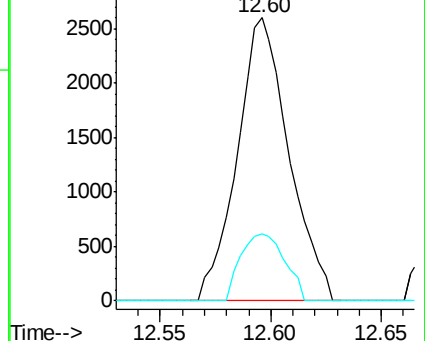
91 100

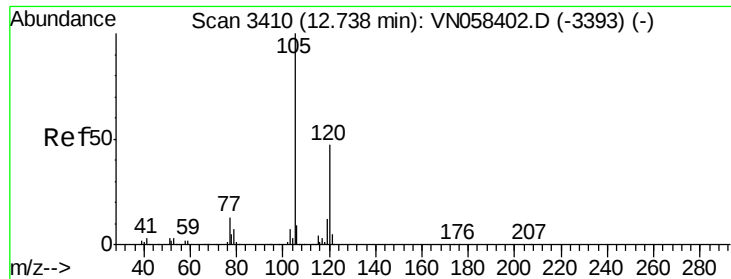
120 20.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

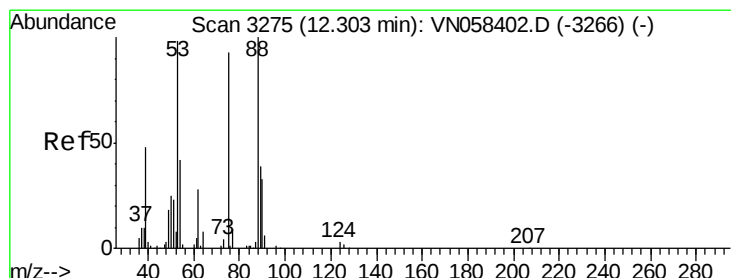
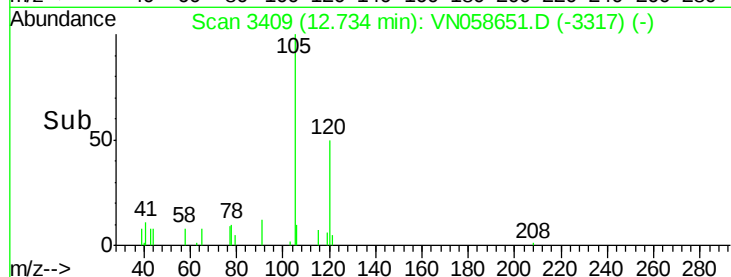
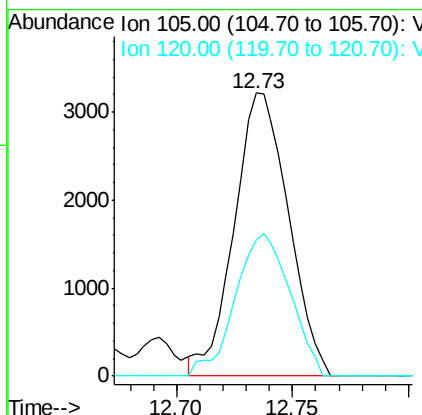
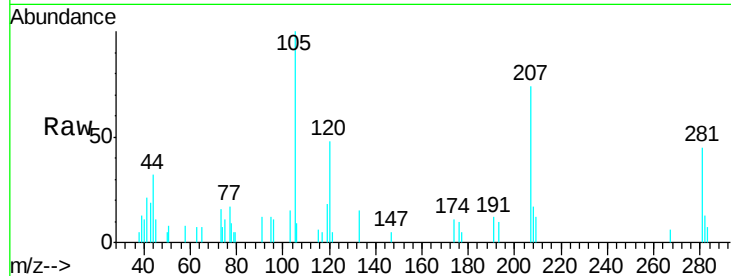




#80
 1,3,5-Trimethylbenzene
 Concen: 0.359 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

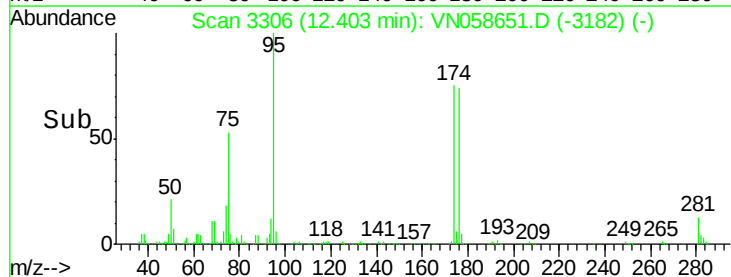
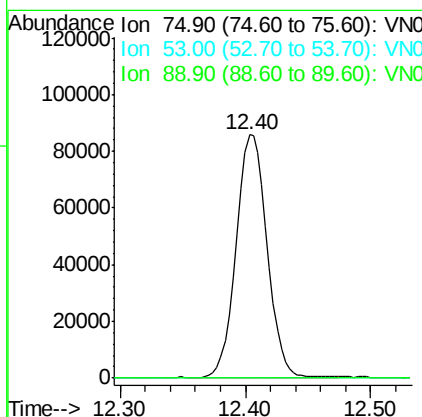
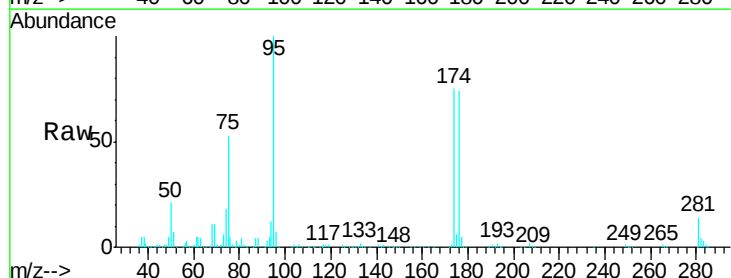
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-100719

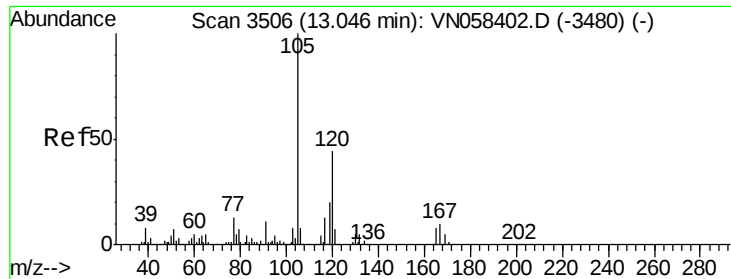
Tgt Ion: 105 Resp: 5227
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.074 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Tgt Ion: 75 Resp: 146010
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.2 35.0 52.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.314 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

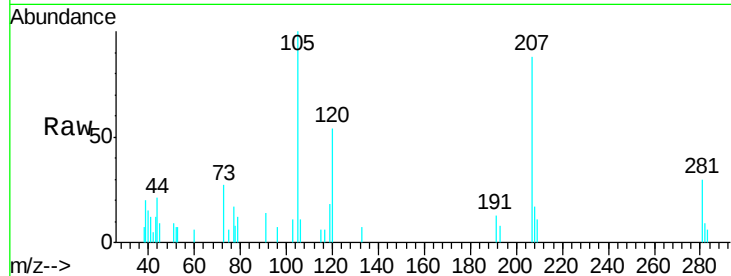
OK-03-100719

Tgt Ion: 105 Resp: 4589

Ion Ratio Lower Upper

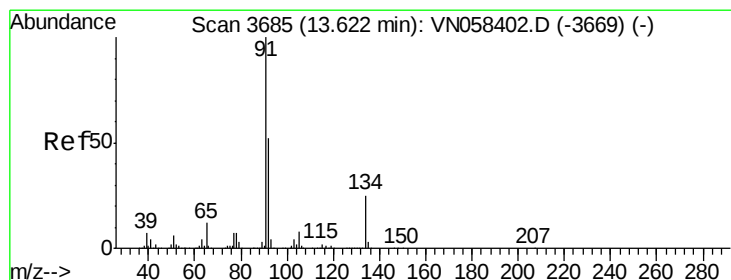
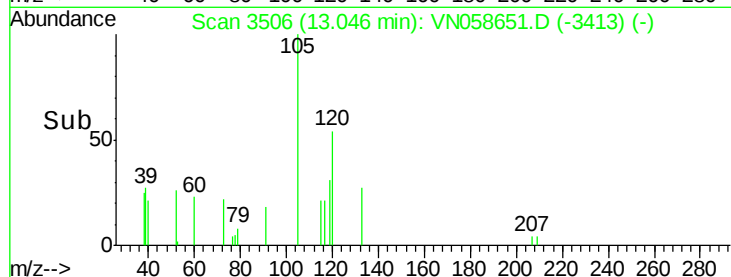
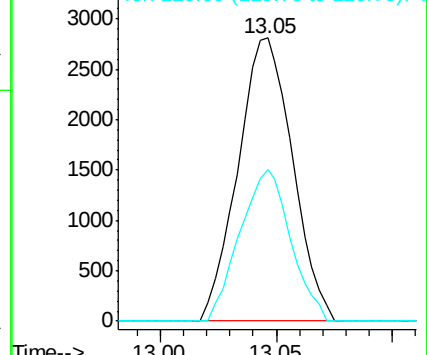
105 100

120 49.7 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.257 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

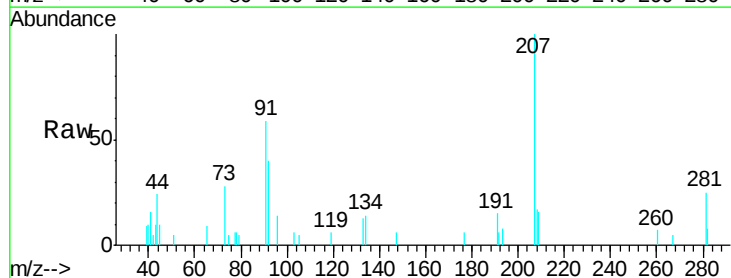
Tgt Ion: 91 Resp: 3311

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.1

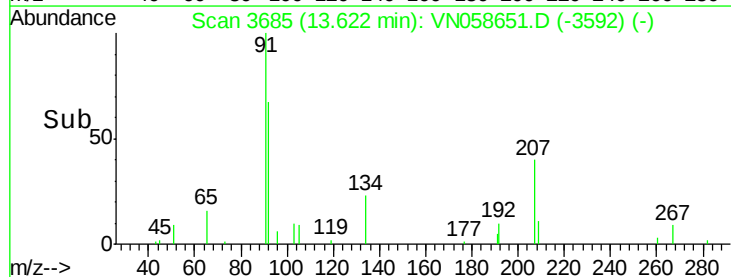
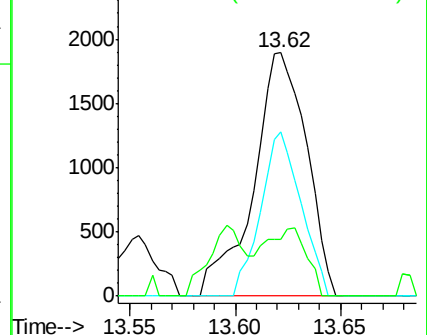
134 21.4 12.2 36.6

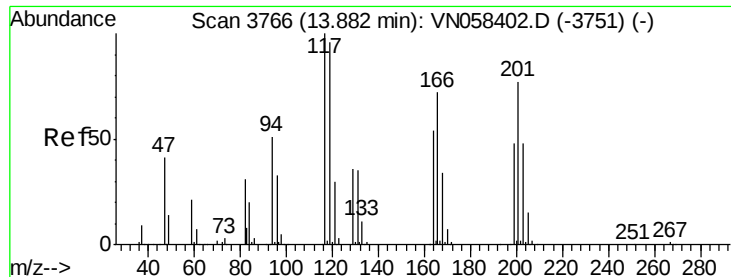


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.252 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

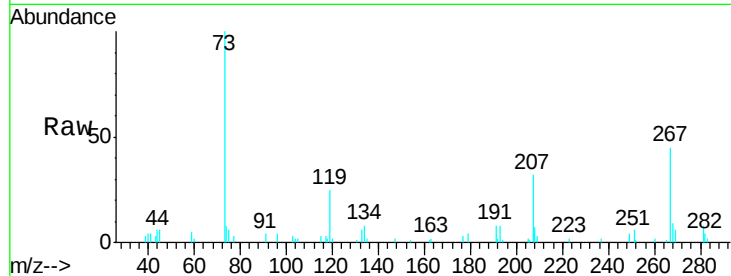
OK-03-100719

Tgt Ion:117 Resp: 539

Ion Ratio Lower Upper

117 100

201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

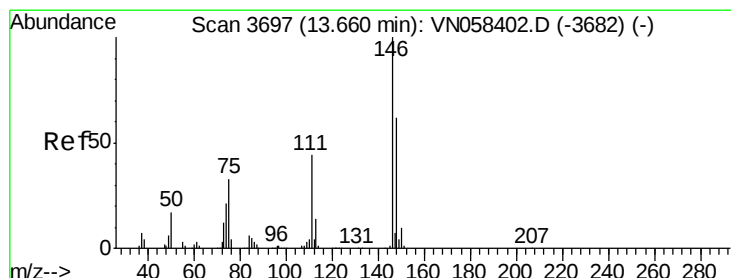
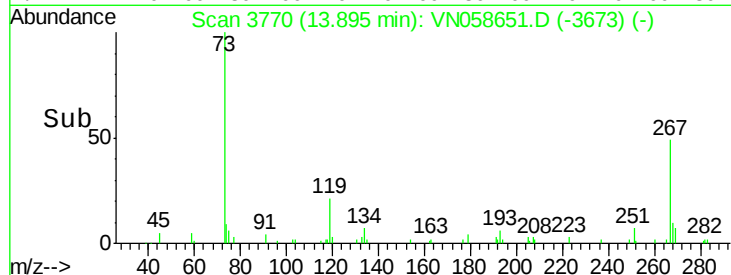
300

200

100

0

Time--> 13.85 13.90



#91

1,2-Dichlorobenzene

Concen: 0.205 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

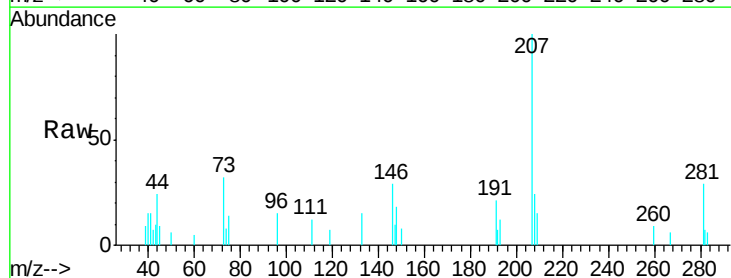
Tgt Ion:146 Resp: 1456

Ion Ratio Lower Upper

146 100

111 38.7 21.8 65.3

148 64.2 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

1000

800

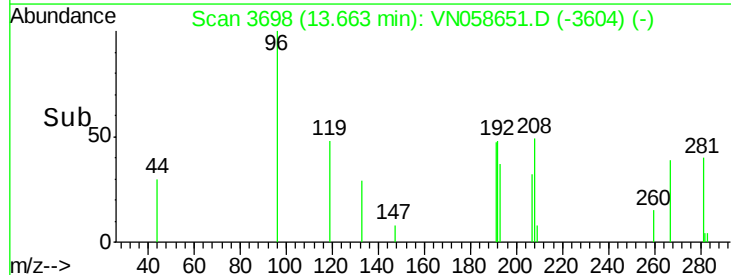
600

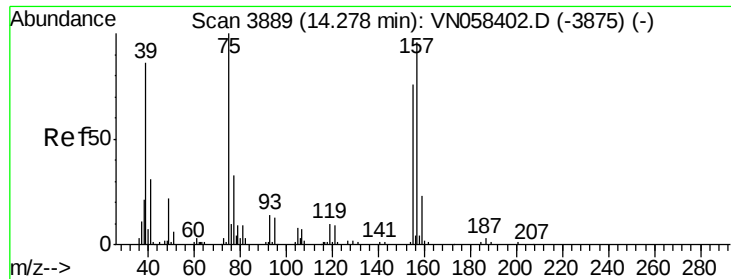
400

200

0

Time--> 13.65 13.70





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.257 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

OK-03-100719

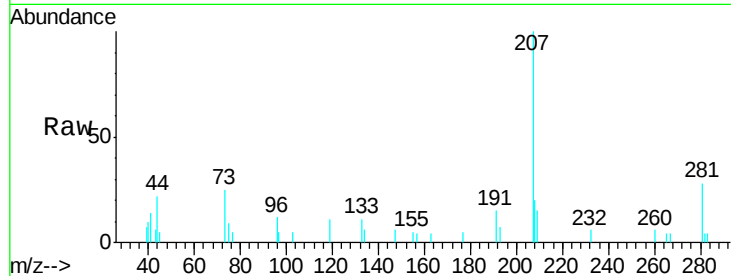
Tgt Ion: 75 Resp: 233

Ion Ratio Lower Upper

75 100

155 60.5 39.2 117.6

157 43.3 48.7 146.1#

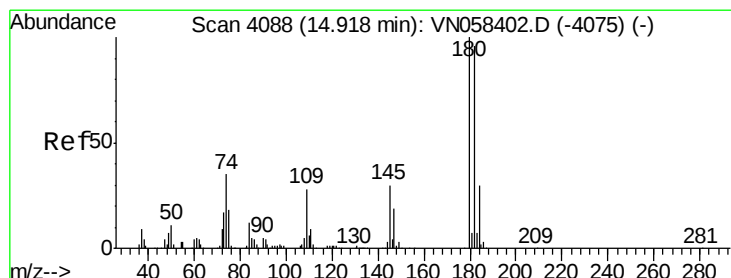
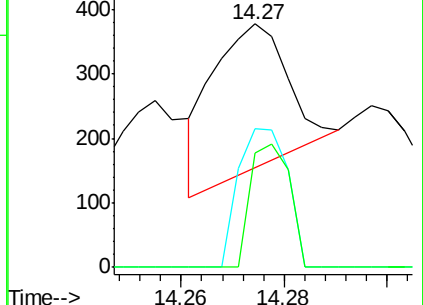
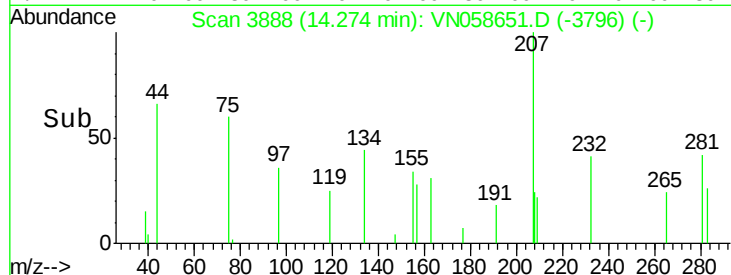


Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN058402.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN058402.D (-3875) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.820 ug/l

RT: 14.92 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

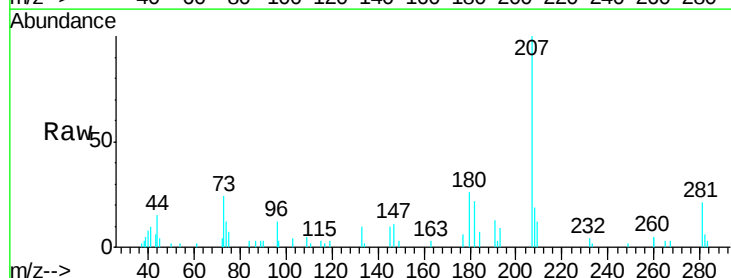
Tgt Ion: 180 Resp: 3221

Ion Ratio Lower Upper

180 100

182 89.6 47.4 142.3

145 35.2 15.3 45.9

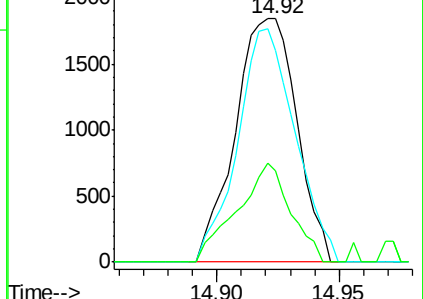
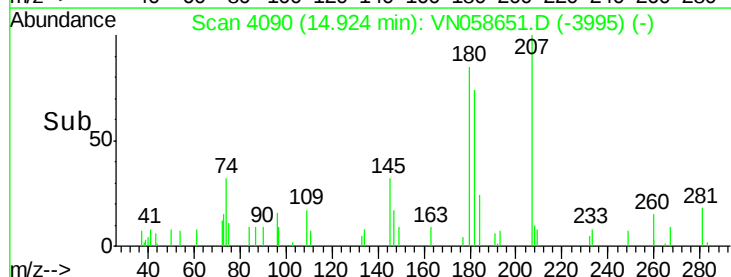


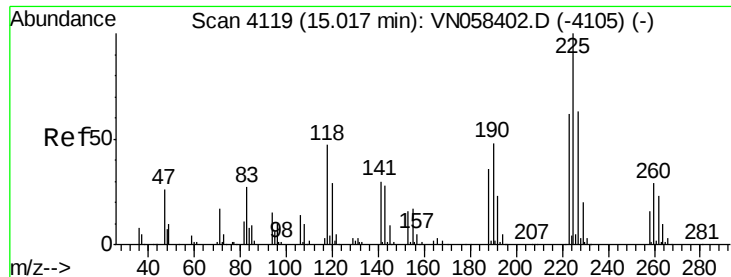
Abundance Ion 179.80 (179.50 to 180.50): VN058402.D (-4075) (-)

Ion 181.80 (181.50 to 182.50): VN058402.D (-4075) (-)

Ion 144.80 (144.50 to 145.50): VN058402.D (-4075) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.340 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN058651.D

Acq: 9 Oct 2019 19:32

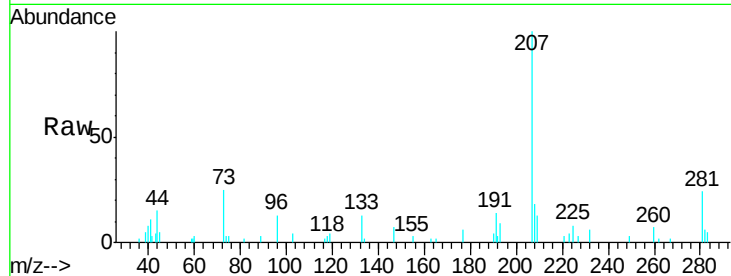
Instrument :

MSVOA_N

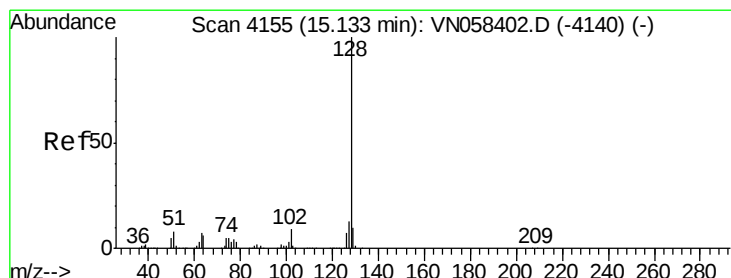
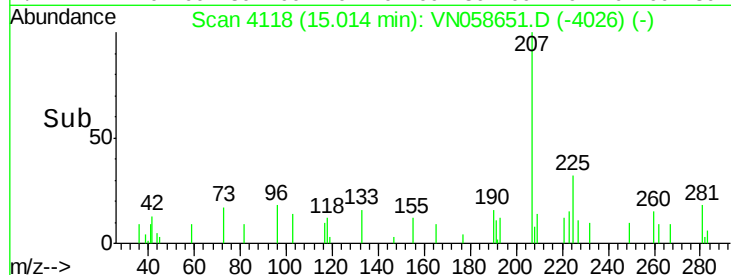
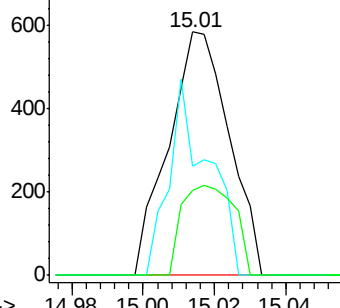
ClientSampleId :

OK-03-100719

Tgt Ion:	225	Resp:	686
Ion	Ratio	Lower	Upper
225	100		
223	51.7	31.1	93.5
227	32.1	31.4	94.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.581 ug/l

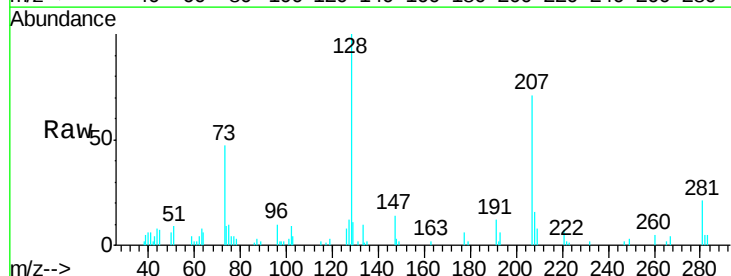
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

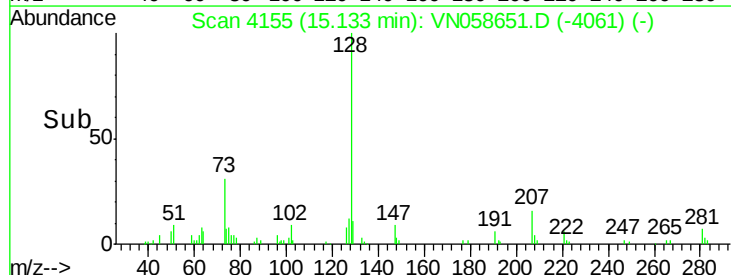
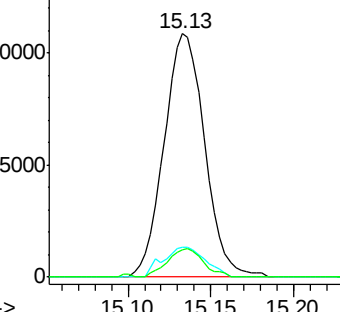
Lab File: VN058651.D

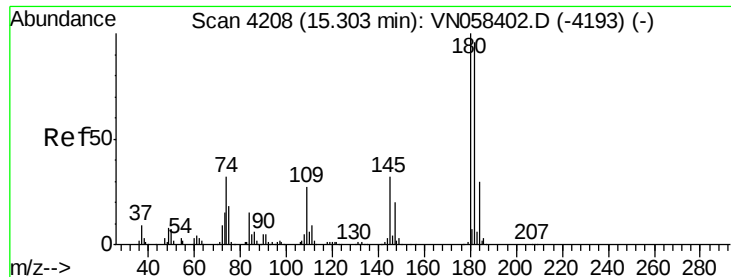
Acq: 9 Oct 2019 19:32

Tgt Ion:	128	Resp:	18520
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.2	8.3	12.5



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.859 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058651.D
 Acq: 9 Oct 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-100719

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.1	48.3	144.9
145	56.5	16.1	48.3

