

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058889.D
 Acq On : 21 Oct 2019 15:29
 Operator : JC/SP
 Sample : K5147-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-101819

Quant Time: Oct 22 03:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	392606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	627975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	287429	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.57	113	201584	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.08	98	808849	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	272558	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

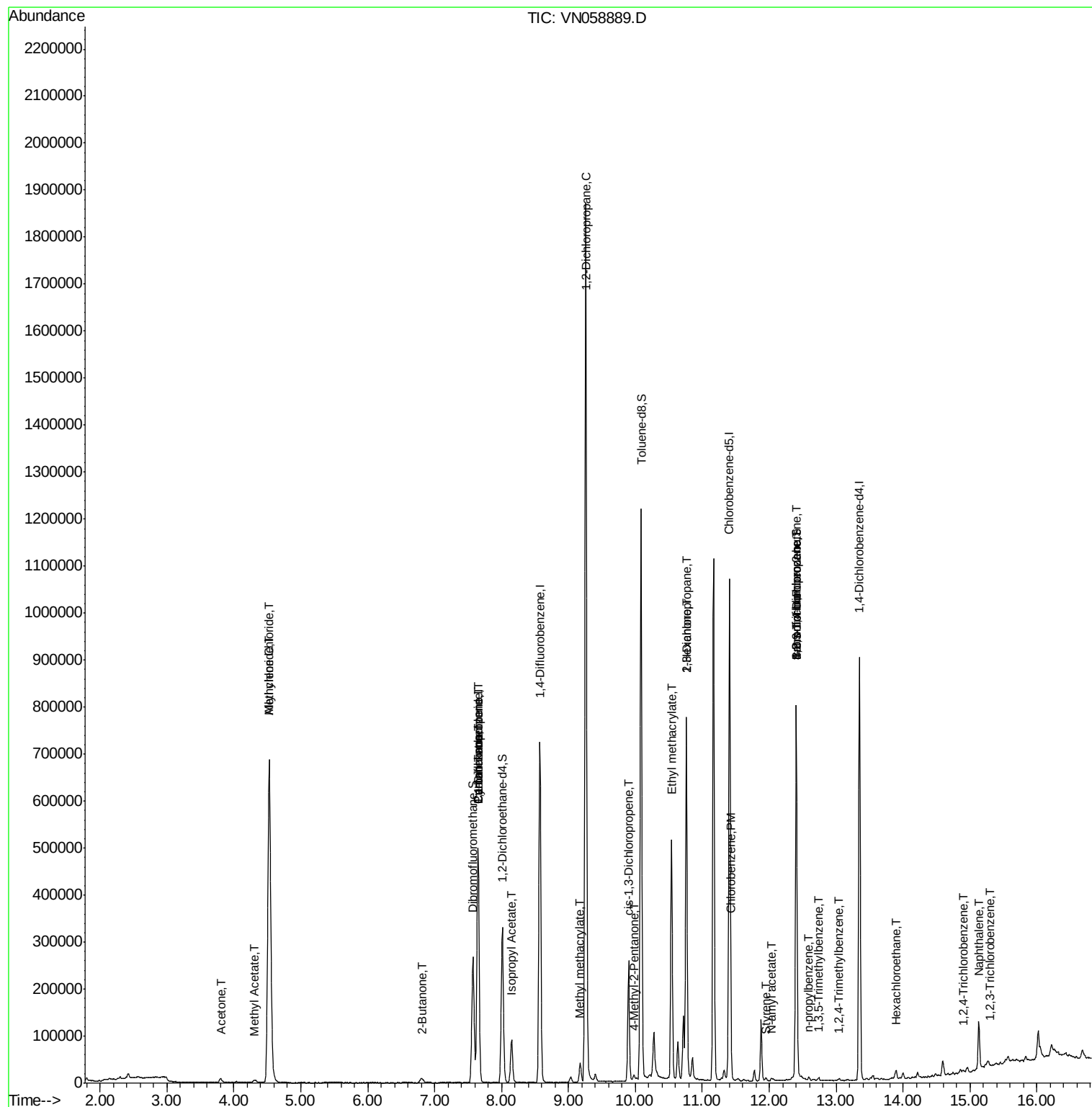
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.53	41	19260	2.459	ug/l #	24
16) Acetone	3.80	43	14517	5.102	ug/l	94
18) Methyl Acetate	4.31	43	9963	1.540	ug/l #	70
20) Methylene Chloride	4.53	84	504602	103.859	ug/l	99
25) 2-Butanone	6.83	43	4523	1.225	ug/l #	87
31) Cyclohexane	7.65	56	9632	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32848	5.109	ug/l #	51
38) Carbon Tetrachloride	7.65	117	39187	5.917	ug/l #	17
43) Isopropyl Acetate	8.15	43	106760	9.502	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	2227	0.430	ug/l #	44
48) Methyl methacrylate	9.17	41	6665	1.308	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	8592	1.309	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	43452	5.447	ug/l #	67
56) Ethyl methacrylate	10.54	69	1968	2.341	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7302	0.902	ug/l #	43
59) 2-Hexanone	10.76	43	118519	23.372	ug/l #	53
65) Chlorobenzene	11.44	112	3931	0.326	ug/l	90
70) Styrene	11.96	104	374	1.740	ug/l #	73
71) Bromoform	12.41	173	1451	0.412	ug/l #	1
74) N-amyl acetate	12.03	43	4685	0.615	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	143972	27.002	ug/l #	100
78) n-propylbenzene	12.60	91	4199	0.211	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3235	0.229	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.40	75	143972	70.343	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.04	105	3339	0.240	ug/l	98
90) Hexachloroethane	13.89	117	930	0.323	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	389	2.601	ug/l #	32
95) Naphthalene	15.13	128	81321	8.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	418	2.484	ug/l #	41

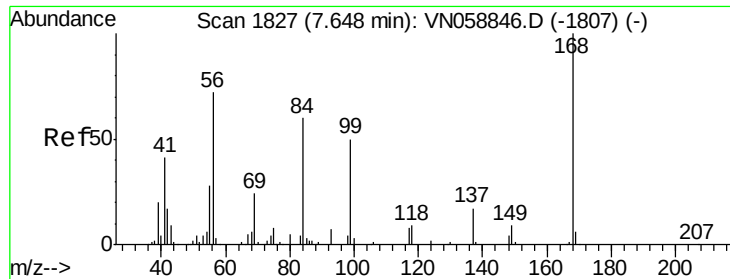
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

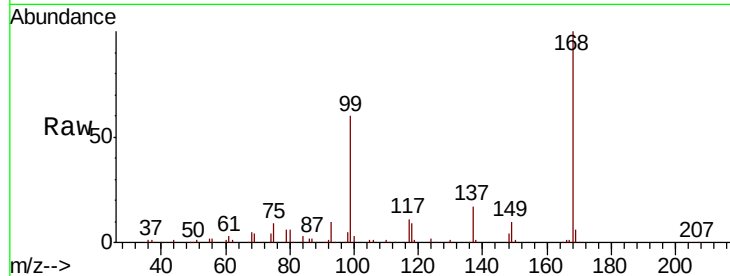
OK-02-101819

Tot Ion:168 Resp: 392606

Ion Ratio Lower Upper

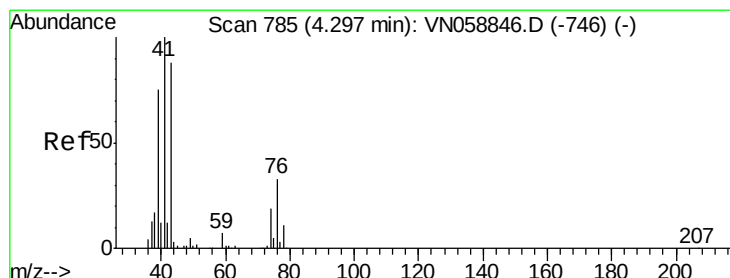
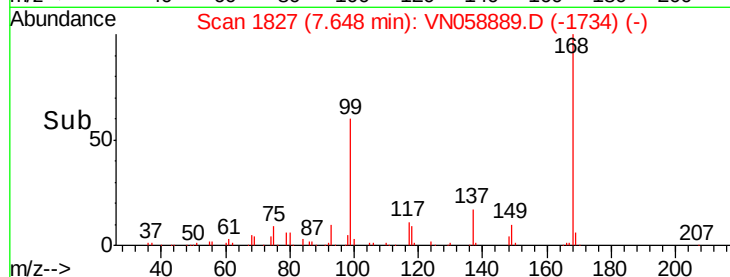
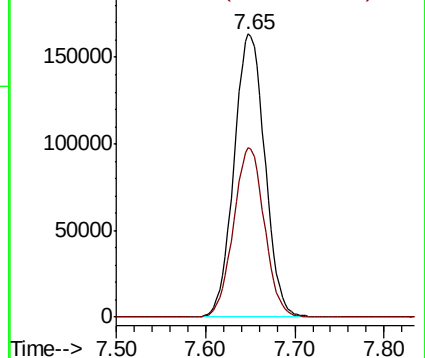
168 100

99 59.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 2.459 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.23 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

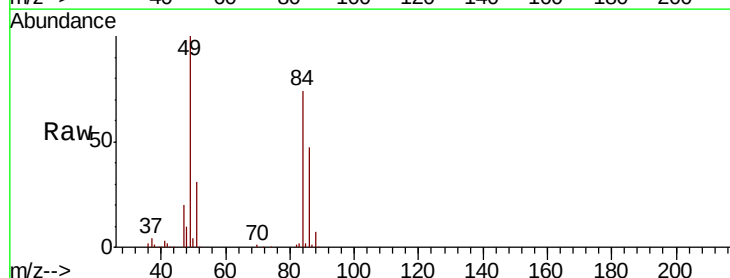
Tgt Ion: 41 Resp: 19260

Ion Ratio Lower Upper

41 100

39 0.5 55.9 83.9#

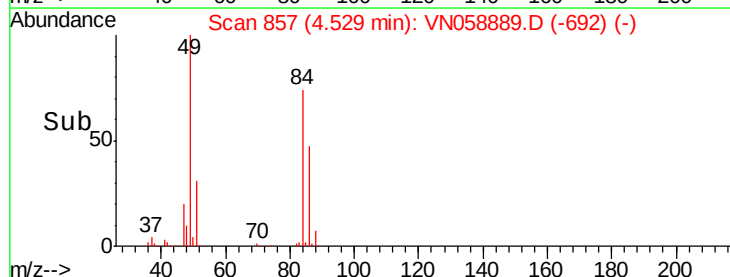
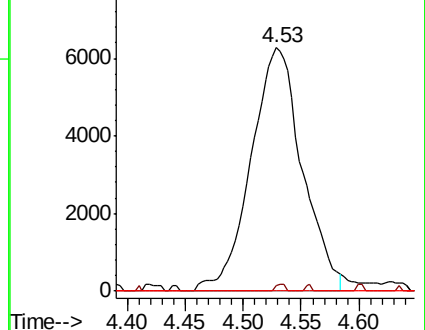
76 0.0 24.1 36.1#

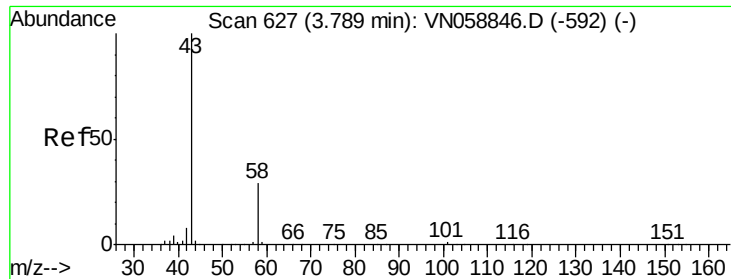


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 5.102 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

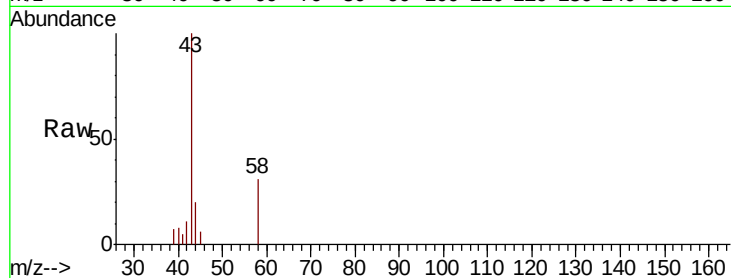
OK-02-101819

Tot Ion: 43 Resp: 14517

Ion Ratio Lower Upper

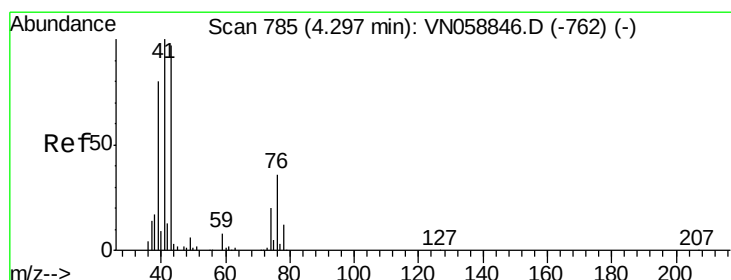
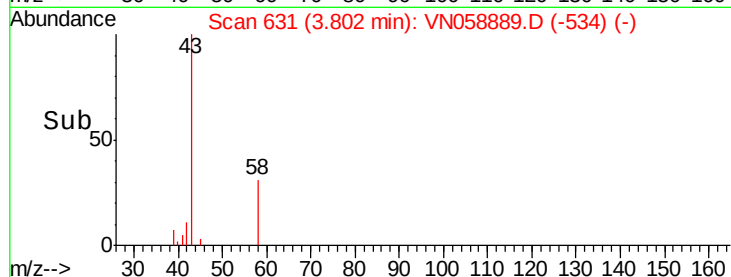
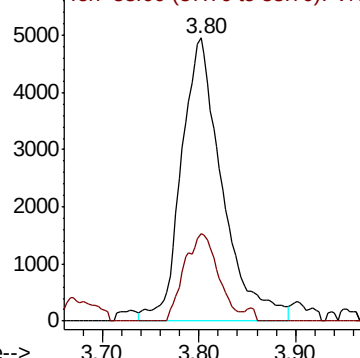
43 100

58 32.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.540 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.02 min

Lab File: VN058889.D

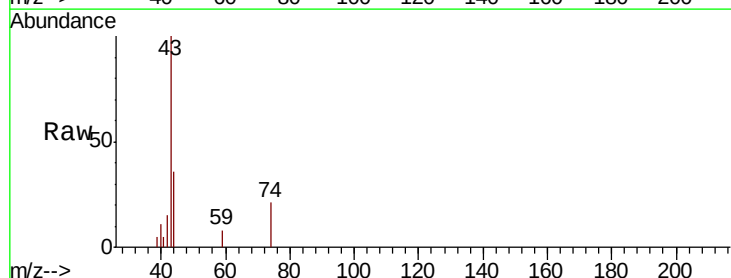
Acq: 21 Oct 2019 15:29

Tgt Ion: 43 Resp: 9963

Ion Ratio Lower Upper

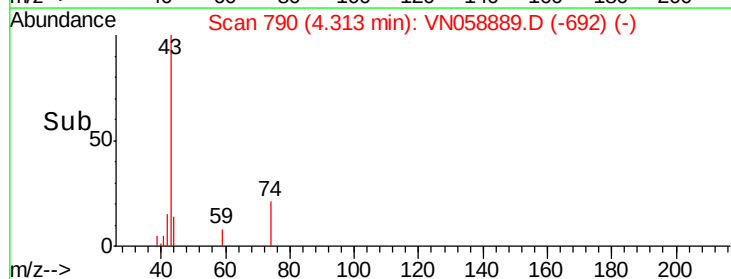
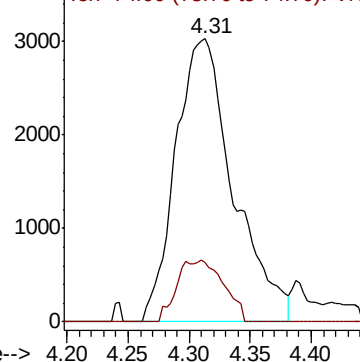
43 100

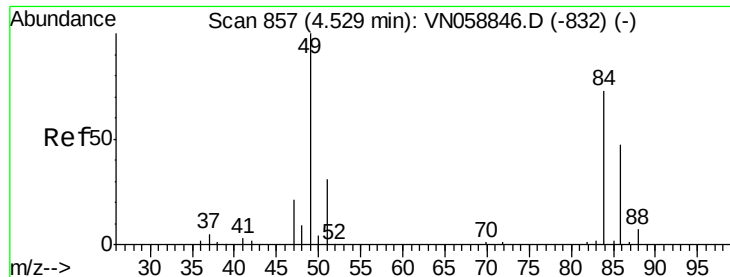
74 7.2 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

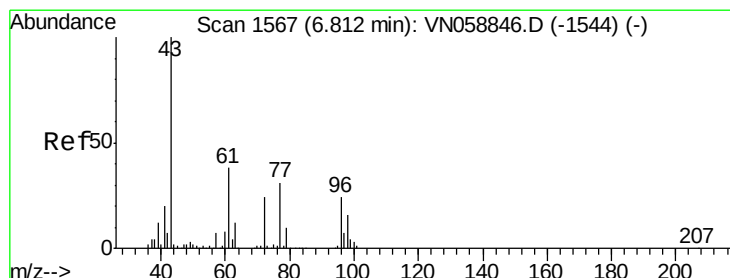
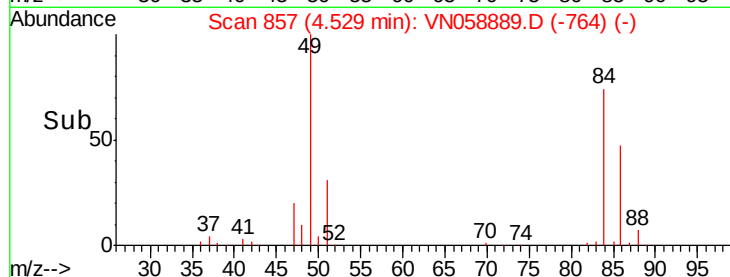
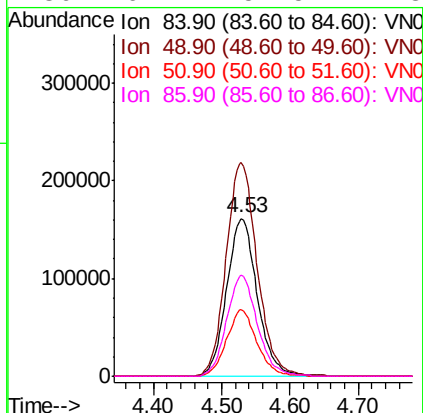
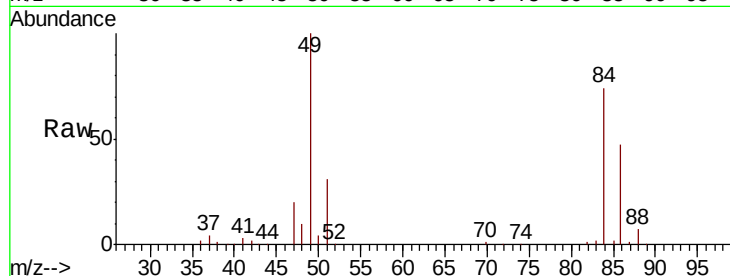




#20
Methvlene Chloride
Concen: 103.859 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

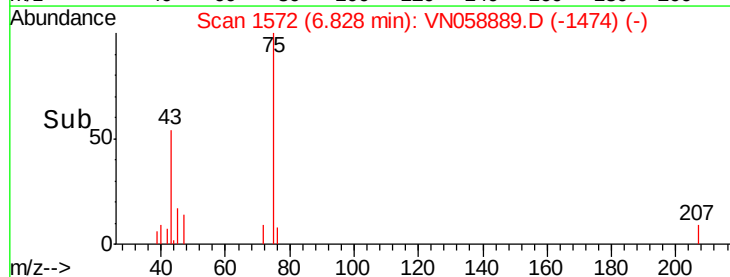
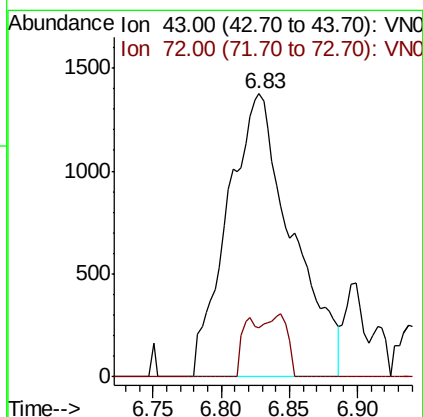
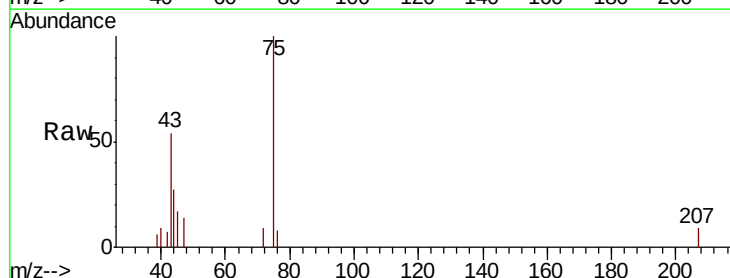
Instrument :
MSVOA_N
ClientSampleId :
OK-02-101819

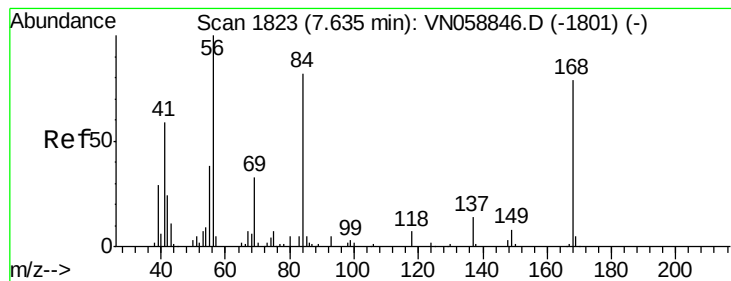
Tot Ion: 84 Resp: 504602
Ion Ratio Lower Upper
84 100
49 135.4 109.6 164.4
51 42.5 33.8 50.6
86 64.2 51.5 77.3



#25
2-Butanone
Concen: 1.225 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

Tgt Ion: 43 Resp: 4523
Ion Ratio Lower Upper
43 100
72 17.5 19.1 28.7#





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

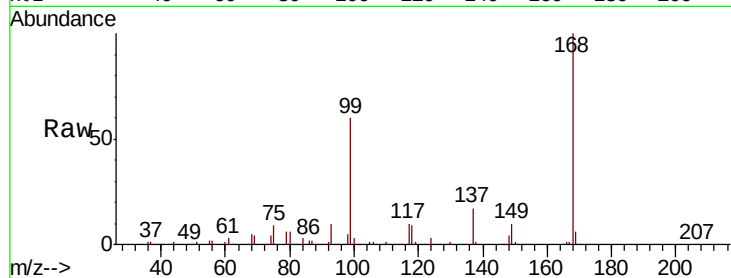
Tot Ion: 56 Resp: 9632

Ion Ratio Lower Upper

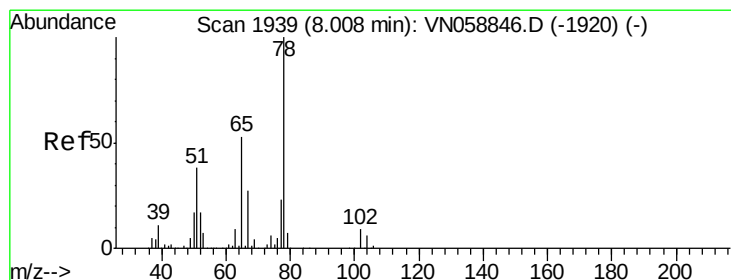
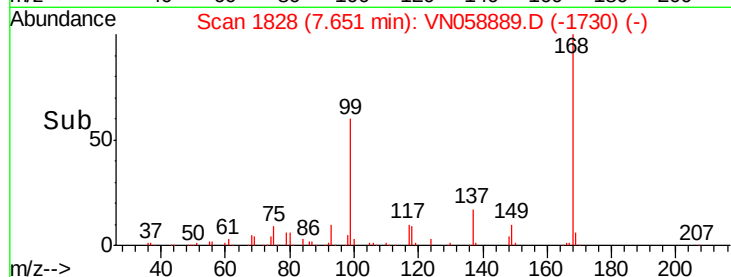
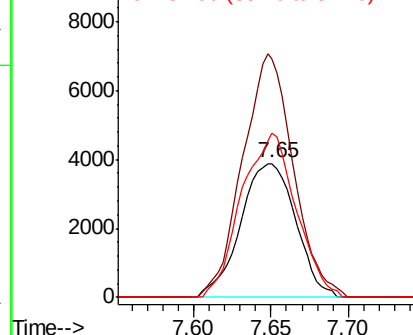
56 100

69 178.3 26.2 39.4#

84 122.8 65.6 98.4#



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: 49.917 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058889.D

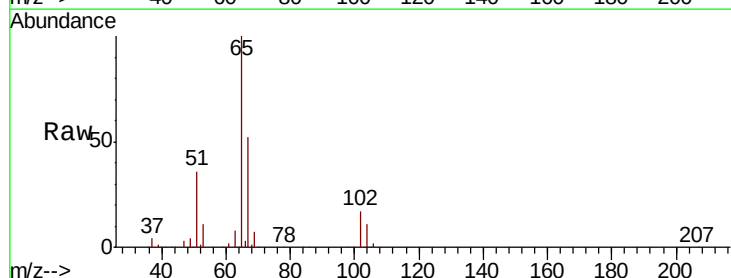
Acq: 21 Oct 2019 15:29

Tgt Ion: 65 Resp: 287429

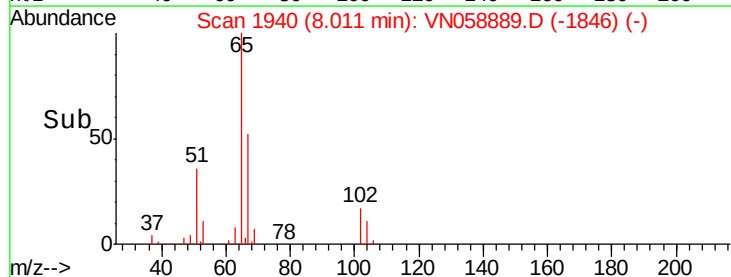
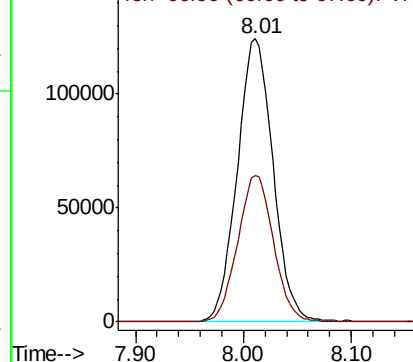
Ion Ratio Lower Upper

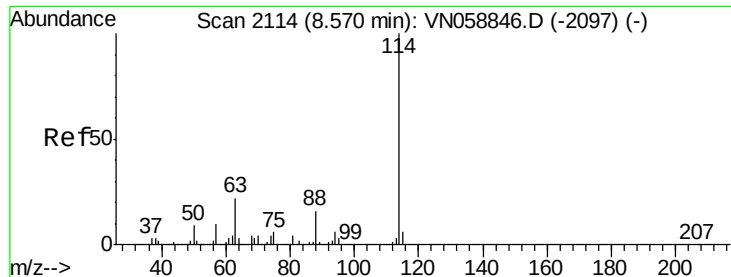
65 100

67 51.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

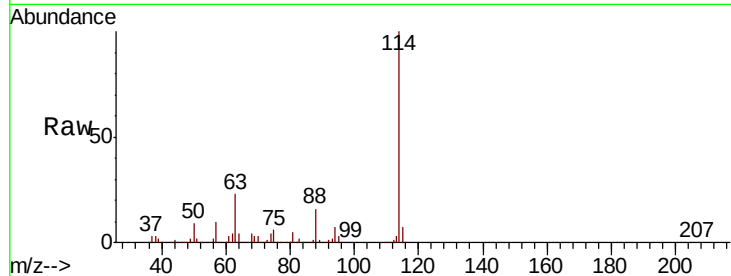
Tot Ion:114 Resp: 627975

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.4

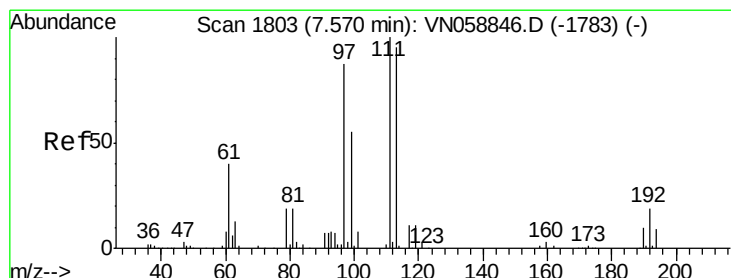
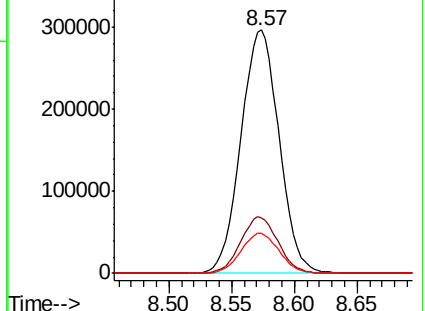
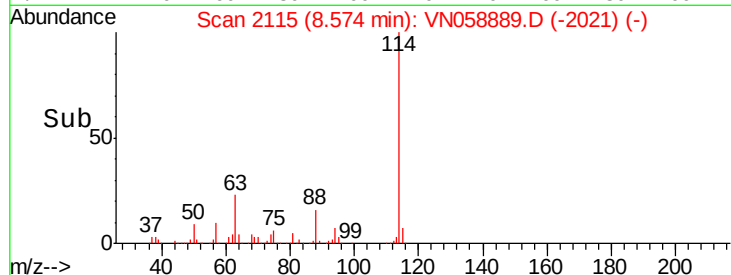
88 16.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.824 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

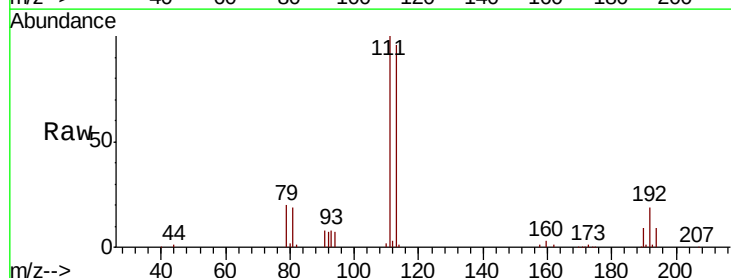
Tgt Ion:113 Resp: 201584

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

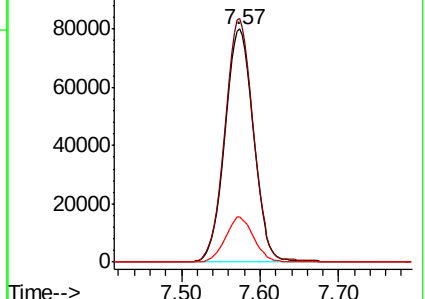
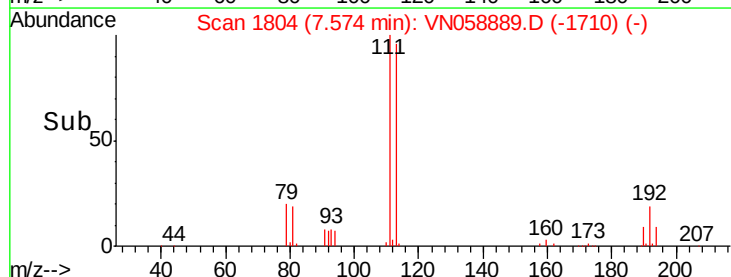
192 19.0 15.0 22.6

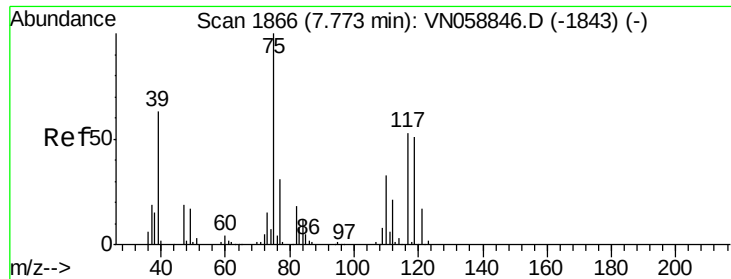


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

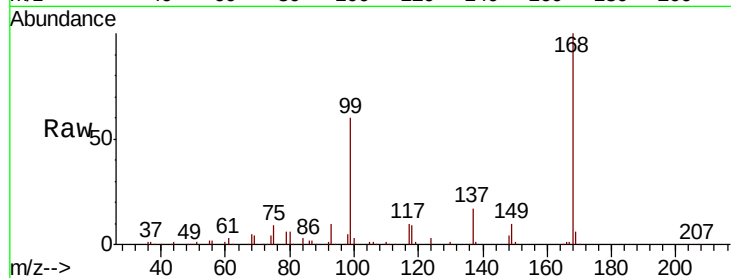




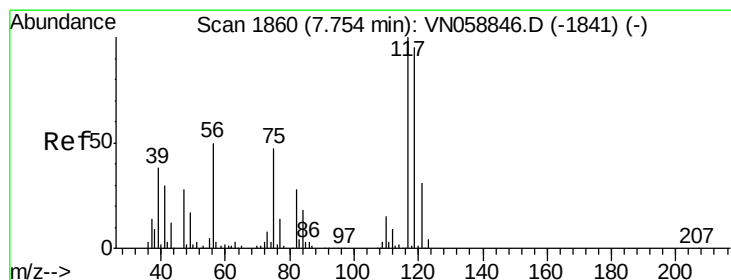
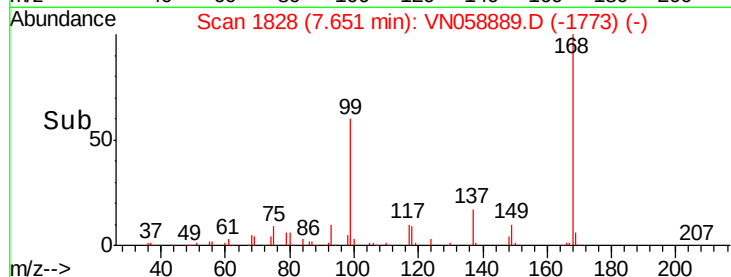
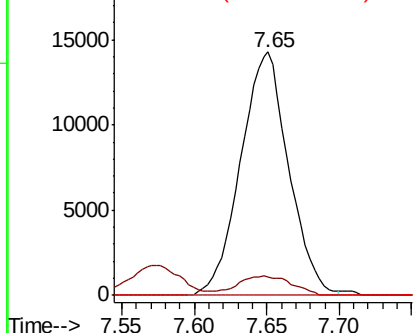
#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058889.D
 Acq: 21 Oct 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-101819

Tot Ion: 75 Resp: 32848
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.3 48.9#
 77 0.0 24.6 36.8#

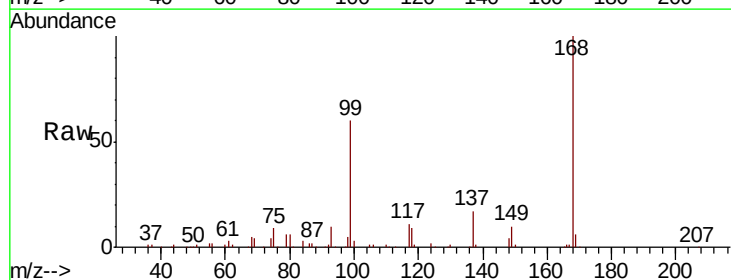


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

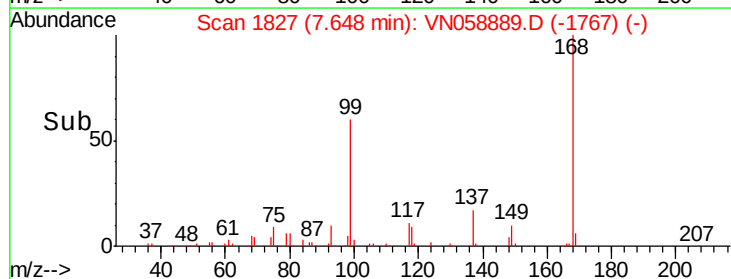
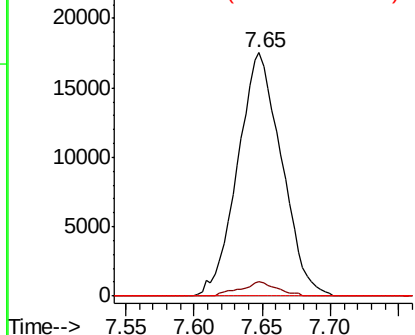


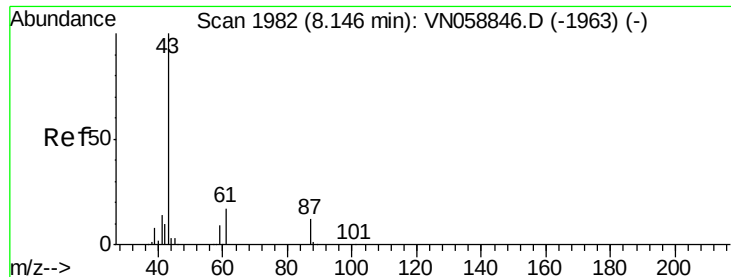
#38
 Carbon Tetrachloride
 Concen: 5.917 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058889.D
 Acq: 21 Oct 2019 15:29

Tgt Ion: 117 Resp: 39187
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.7 113.5#
 121 0.0 25.0 37.6#



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: 9.502 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

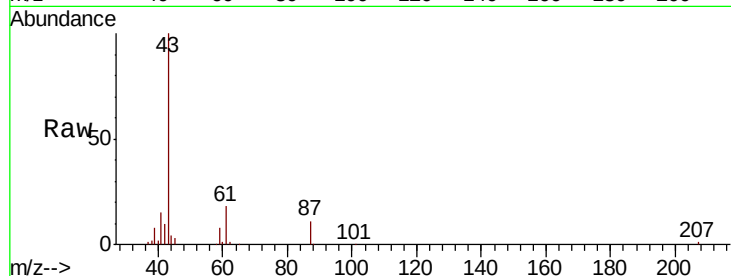
Tot Ion: 43 Resp: 106760

Ion Ratio Lower Upper

43 100

61 19.3 20.2 30.2#

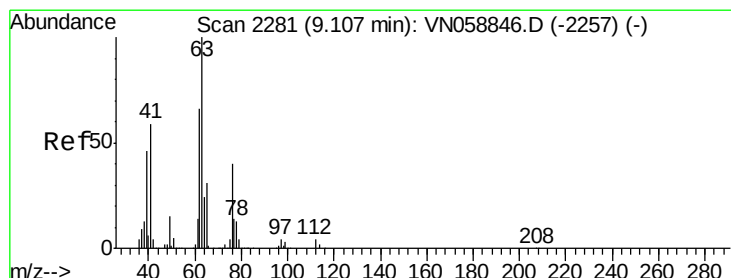
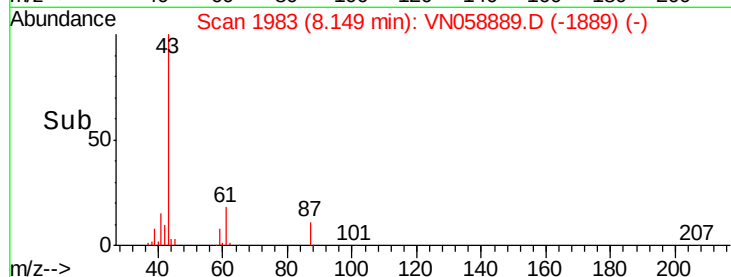
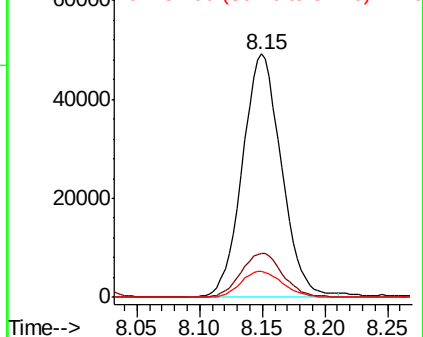
87 11.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#45

1,2-Dichloropropane

Concen: 0.430 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058889.D

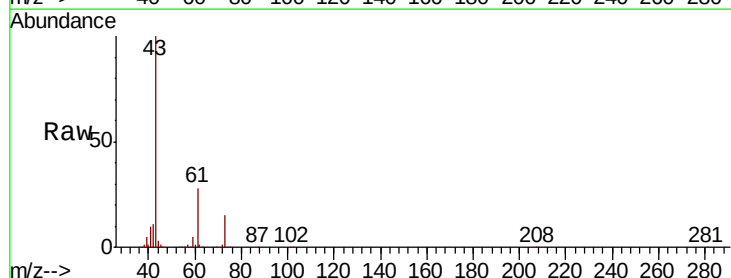
Acq: 21 Oct 2019 15:29

Tgt Ion: 63 Resp: 2227

Ion Ratio Lower Upper

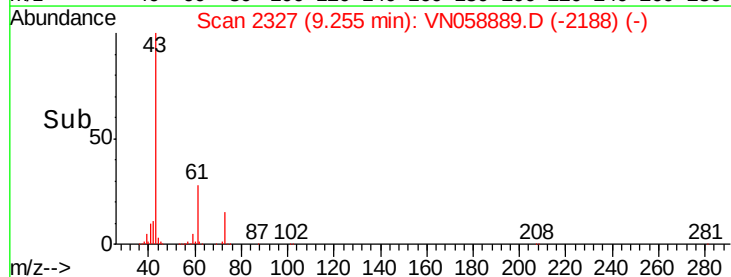
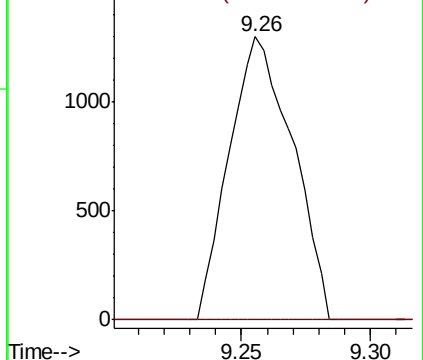
63 100

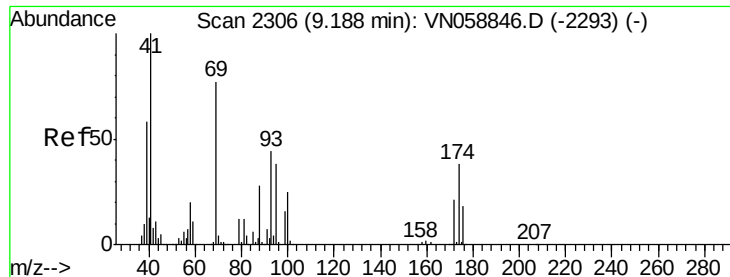
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

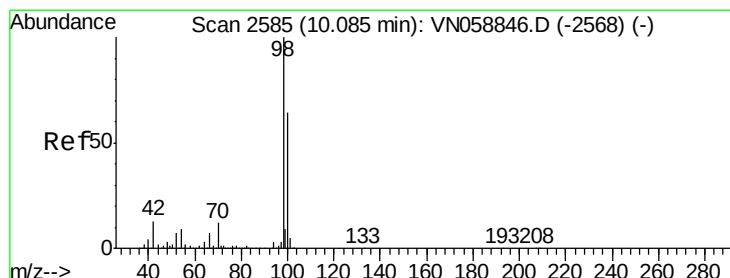
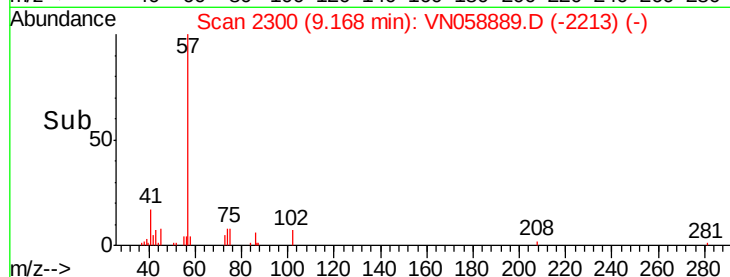
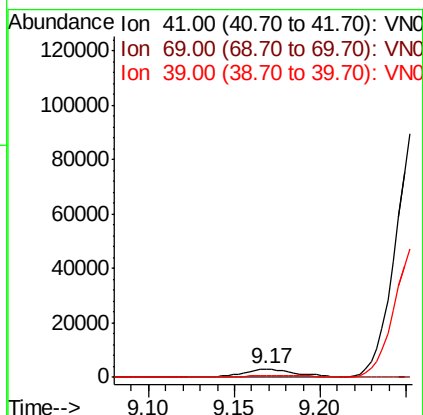
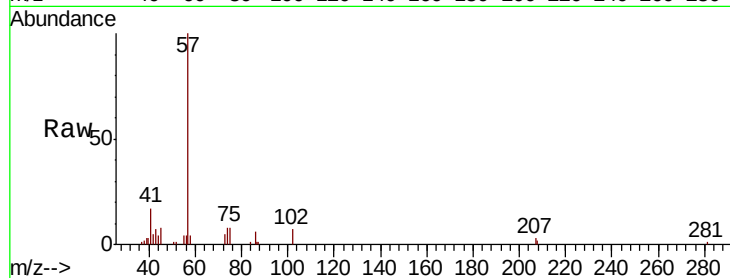




#48
Methvl methacrylate
Concen: 1.308 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

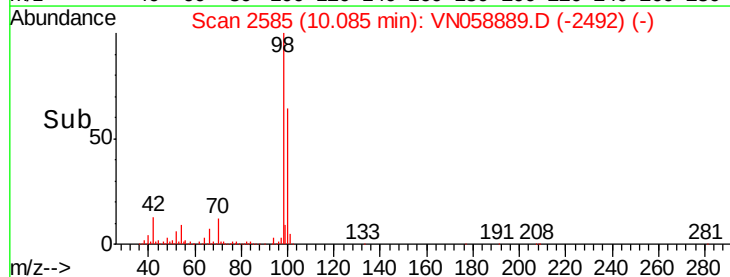
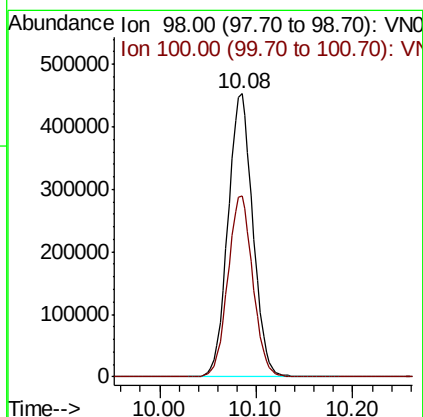
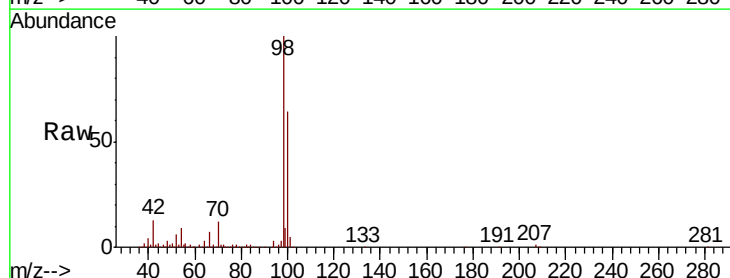
Instrument :
MSVOA_N
ClientSampleId :
OK-02-101819

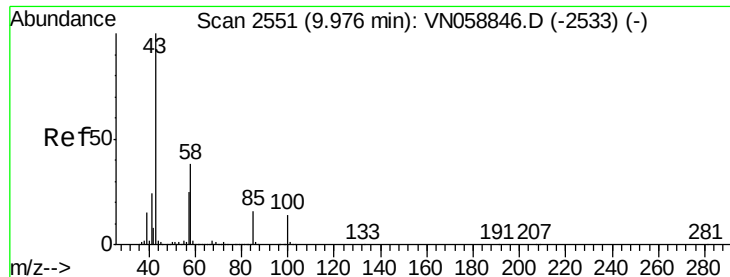
Tot Ion: 41 Resp: 6665
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 50.467 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

Tgt Ion: 98 Resp: 808849
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 1.309 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

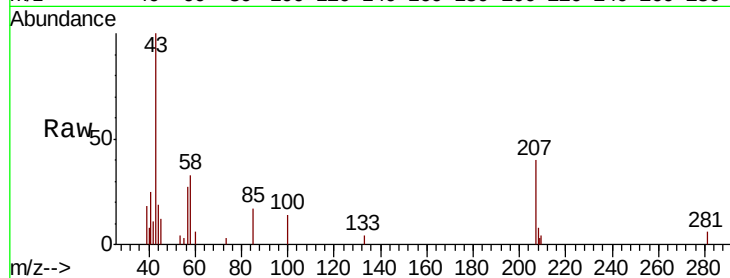
OK-02-101819

Tot Ion: 43 Resp: 8592

Ion Ratio Lower Upper

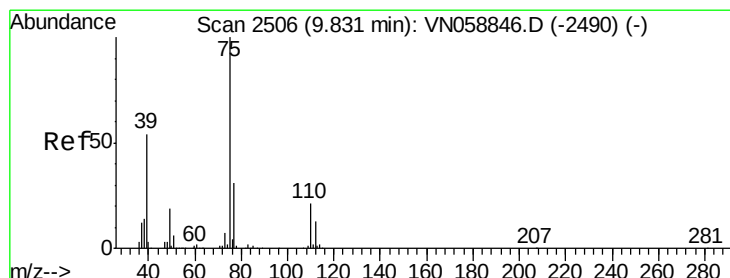
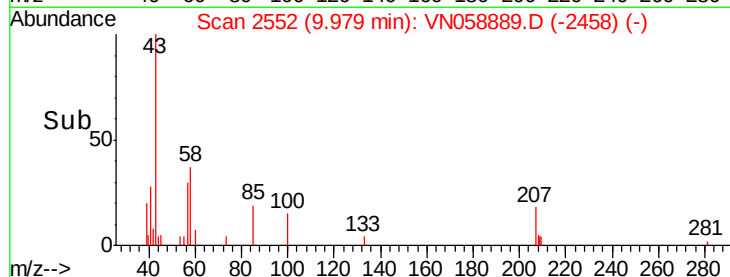
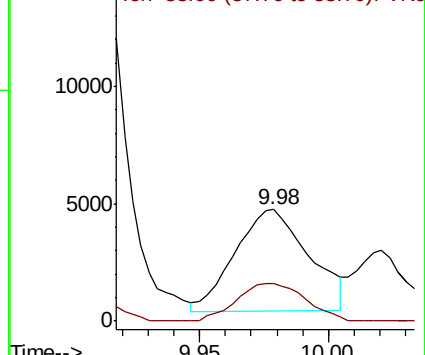
43 100

58 34.6 29.9 44.9



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: 5.447 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

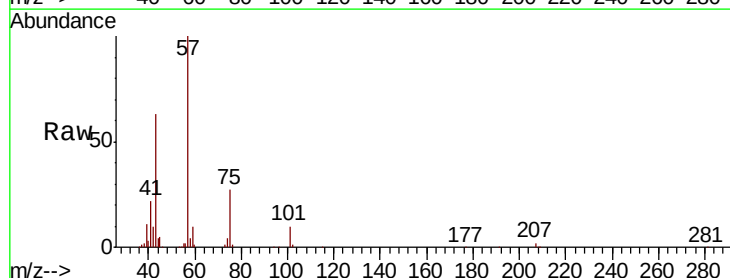
Tgt Ion: 75 Resp: 43452

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

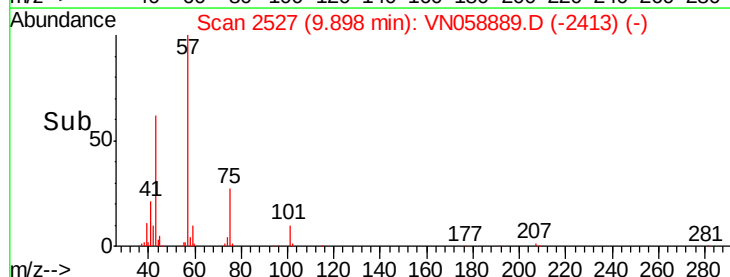
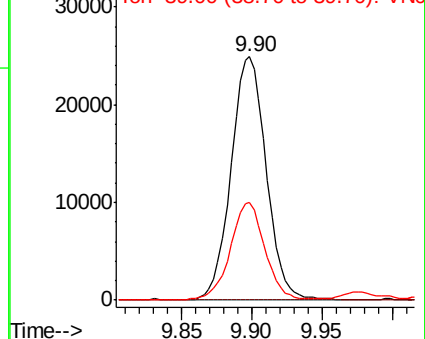
39 39.7 43.5 65.3#

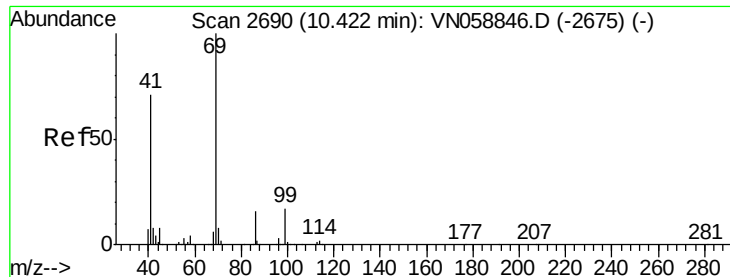


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.341 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

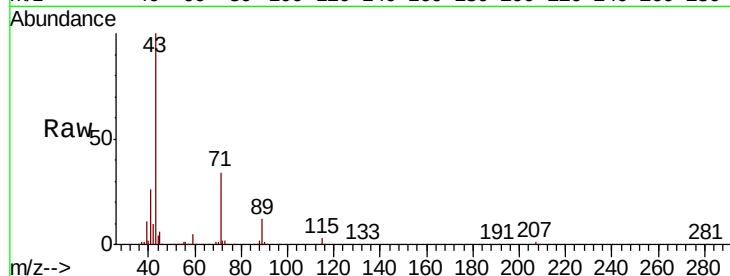
Tot Ion: 69 Resp: 1968

Ion Ratio Lower Upper

69 100

41 5026.1 57.2 85.8#

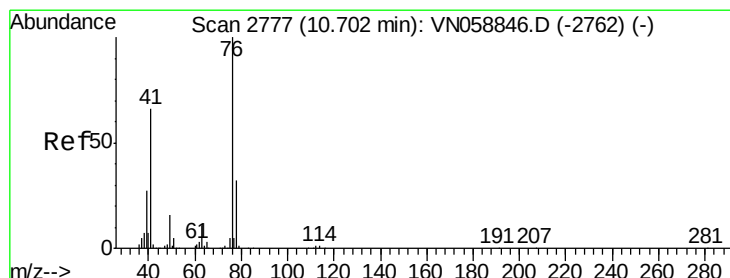
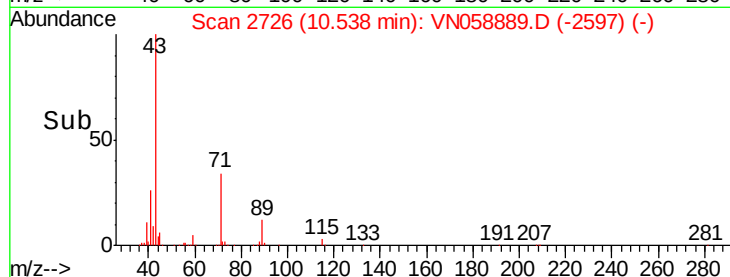
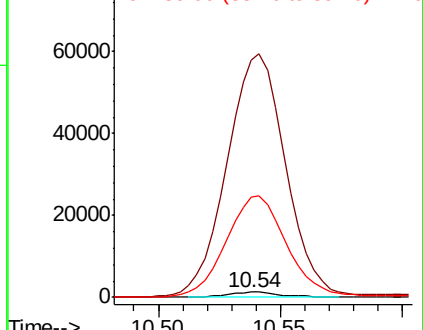
39 2183.7 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.902 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.05 min

Lab File: VN058889.D

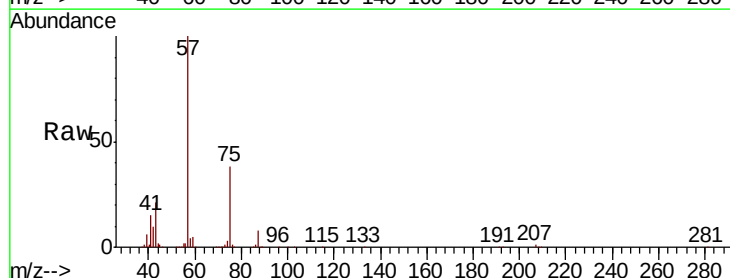
Acq: 21 Oct 2019 15:29

Tgt Ion: 76 Resp: 7302

Ion Ratio Lower Upper

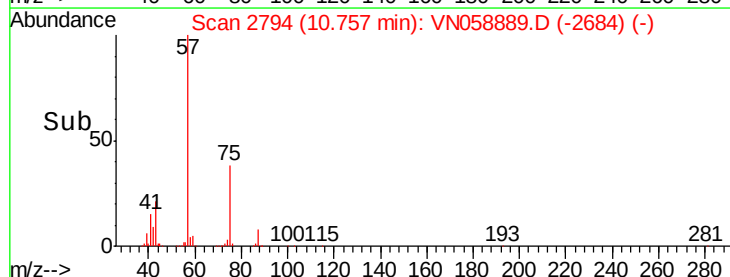
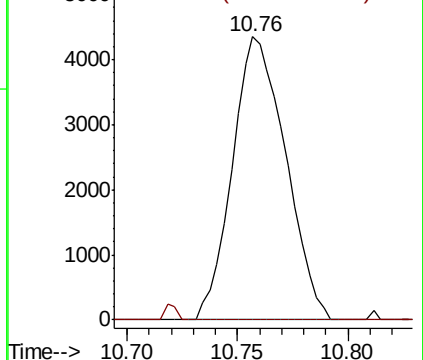
76 100

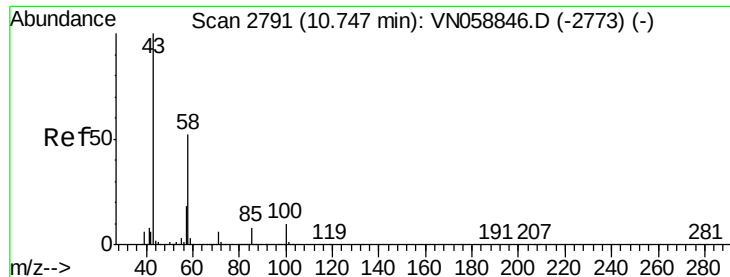
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

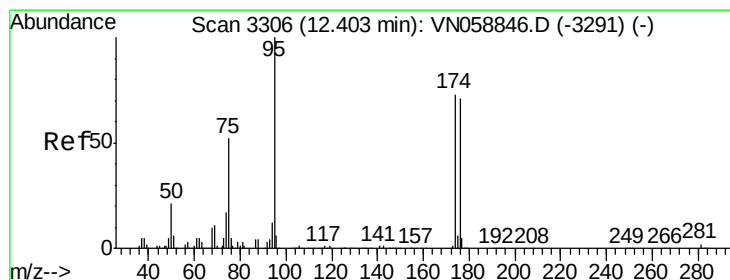
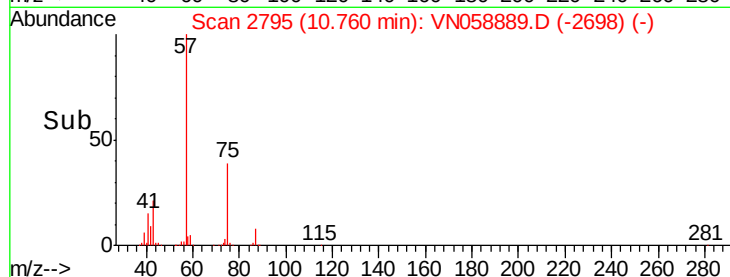
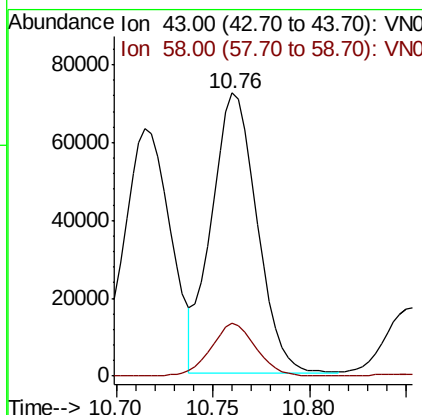
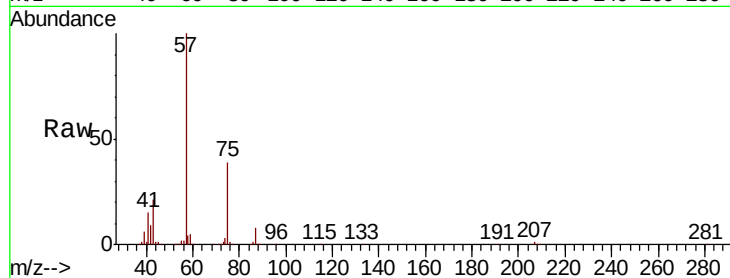




#59
2-Hexanone
Concen: 23.372 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

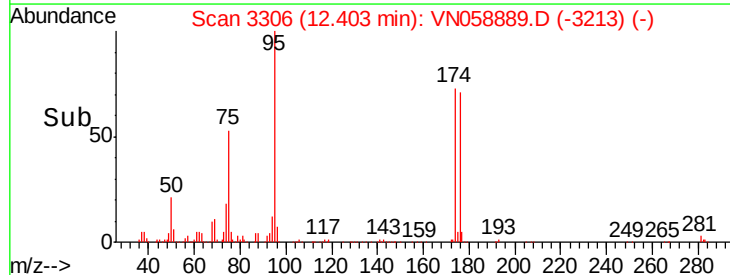
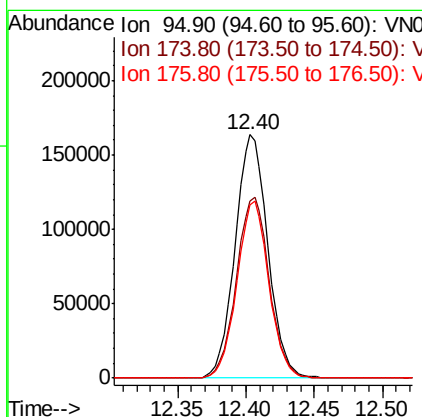
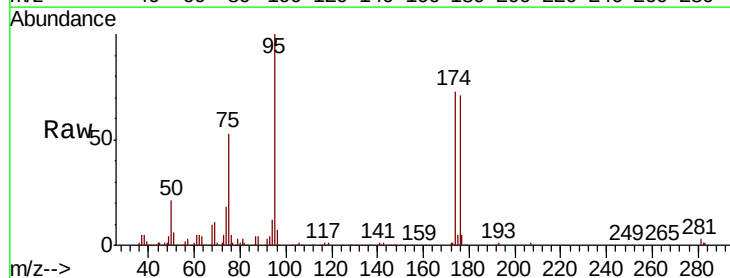
Instrument :
MSVOA_N
ClientSampleId :
OK-02-101819

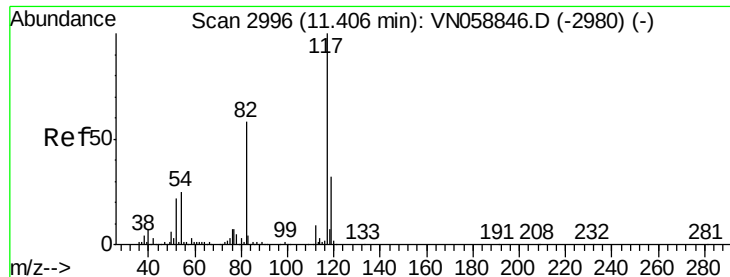
Tot Ion: 43 Resp: 118519
Ion Ratio Lower Upper
43 100
58 18.6 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 46.309 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

Tgt Ion: 95 Resp: 272558
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.6
176 70.9 0.0 143.2

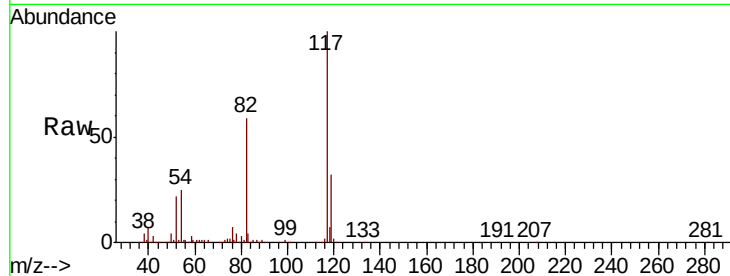




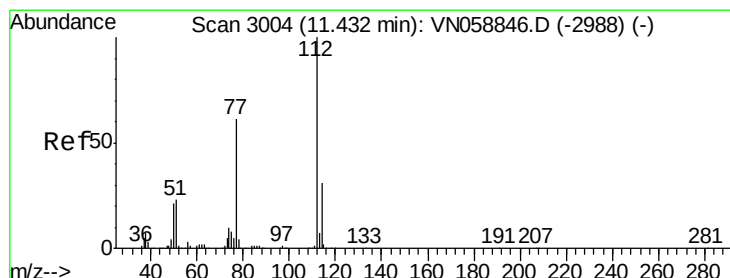
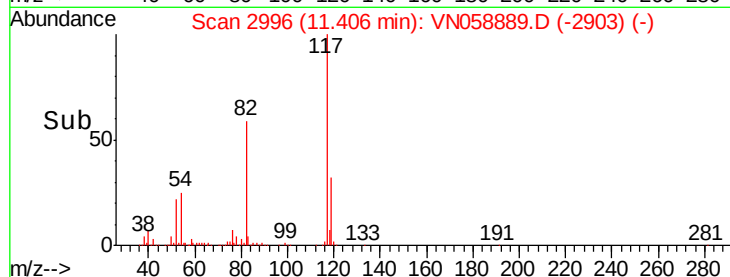
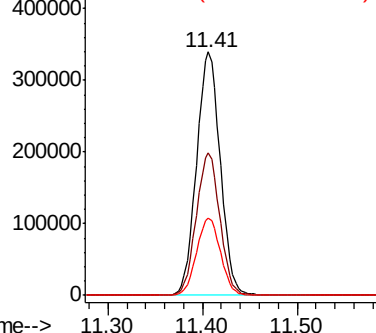
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
OK-02-101819

Tot Ion:117 Resp: 591505
Ion Ratio Lower Upper
117 100
82 58.7 46.6 69.8
119 31.8 25.6 38.4

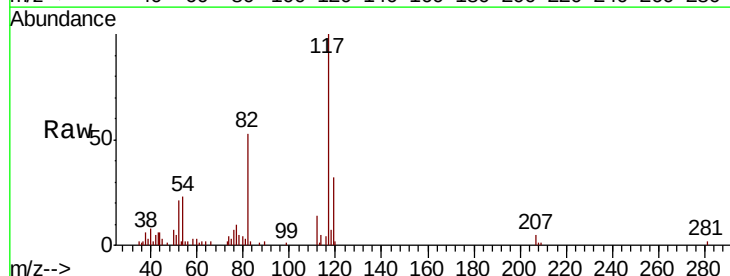


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

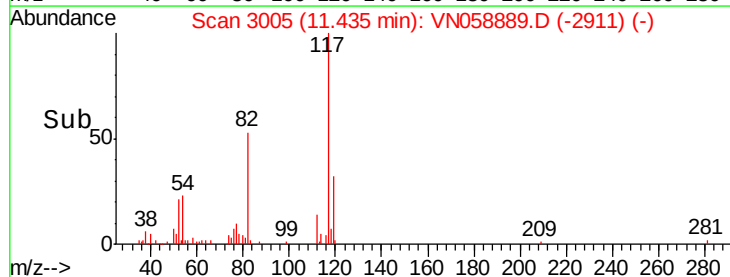
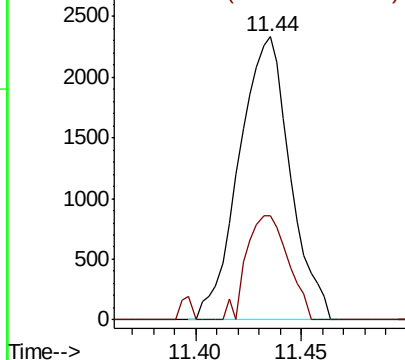


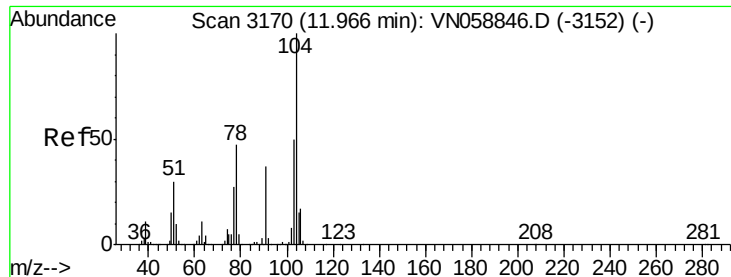
#65
Chlorobenzene
Concen: 0.326 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058889.D
Acq: 21 Oct 2019 15:29

Tgt Ion:112 Resp: 3931
Ion Ratio Lower Upper
112 100
114 36.7 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#70

Stvrene

Concen: 1.740 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

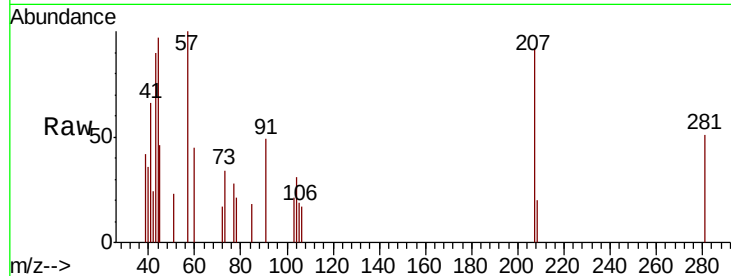
Tot Ion:104 Resp: 374

Ion Ratio Lower Upper

104 100

78 65.0 42.8 64.2#

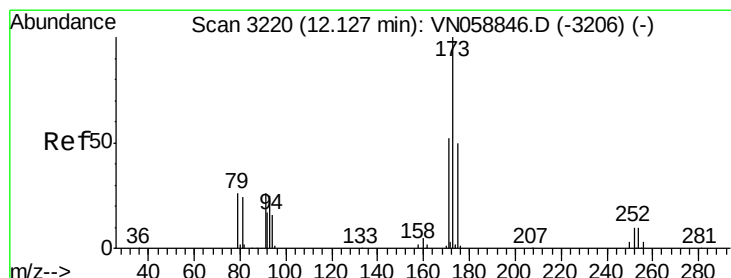
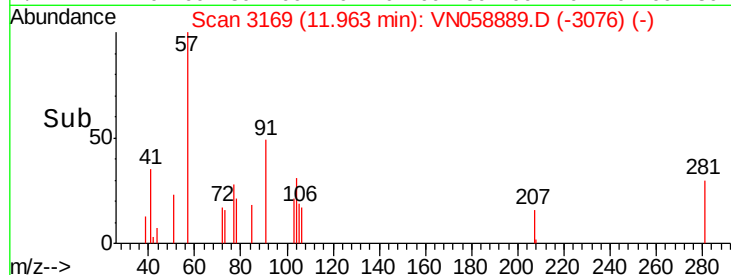
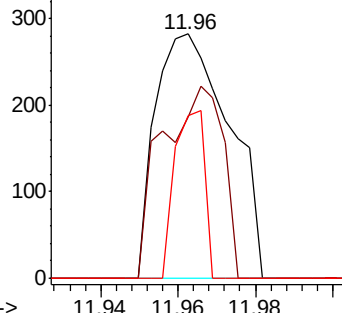
103 27.5 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.412 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

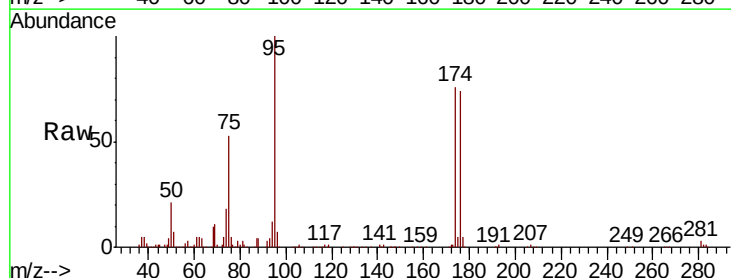
Tgt Ion:173 Resp: 1451

Ion Ratio Lower Upper

173 100

175 809.9 24.7 74.1#

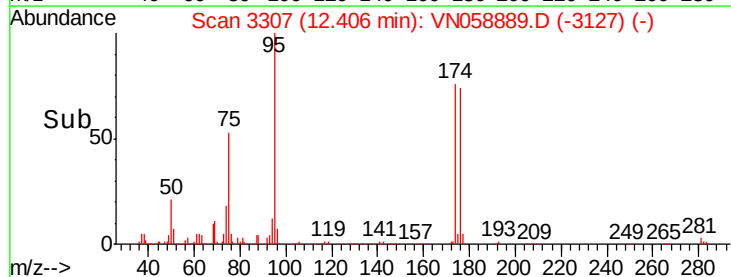
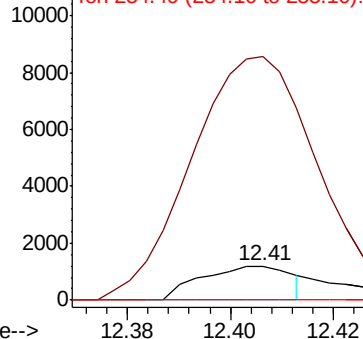
254 0.0 0.0 0.0

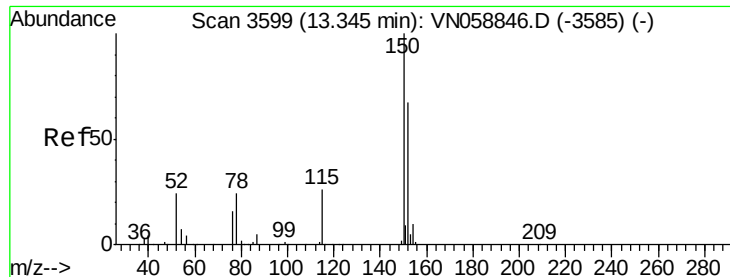


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3600

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

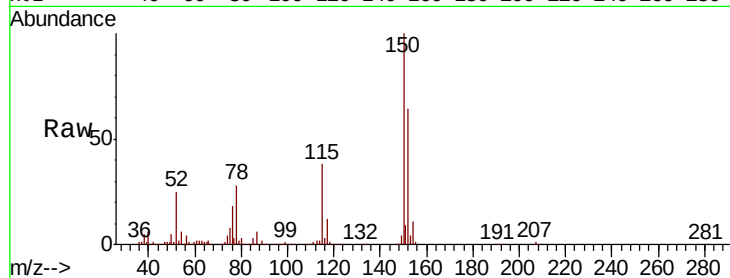
Tot Ion:152 Resp: 230057

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

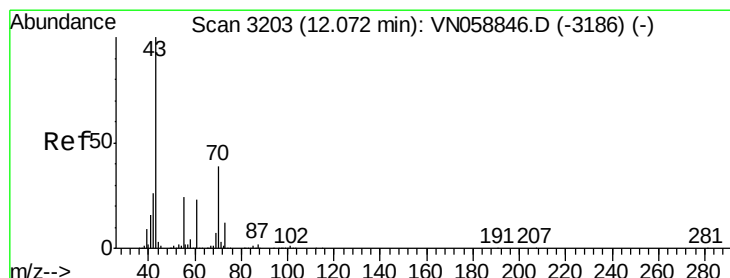
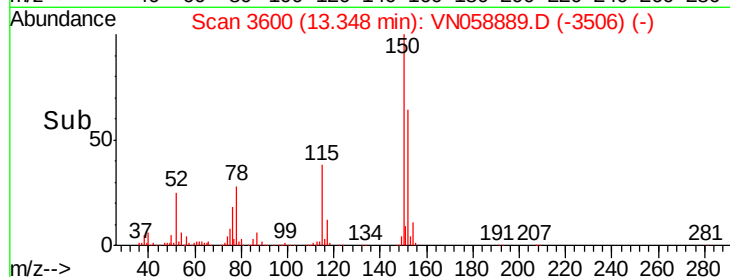
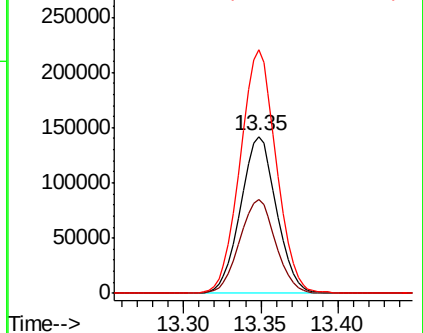
150 155.6 0.0 344.4



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: 0.615 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Tgt Ion: 43 Resp: 4685

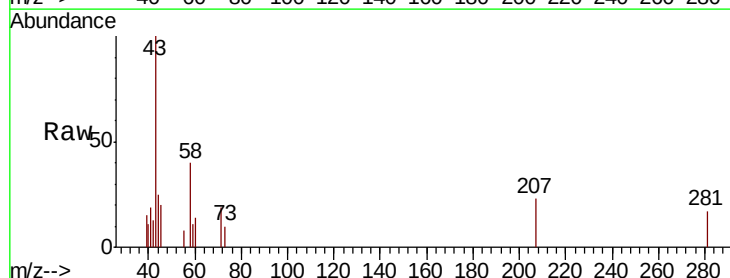
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 6.1 19.7 29.5#

61 0.0 18.2 27.4#

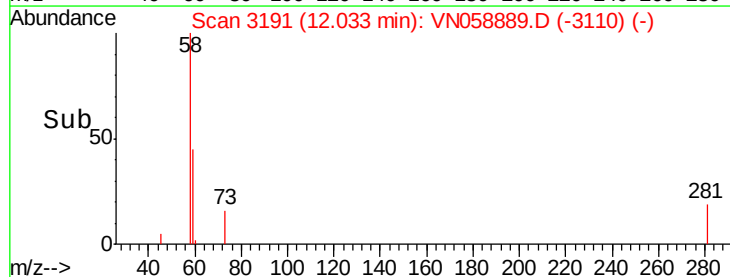
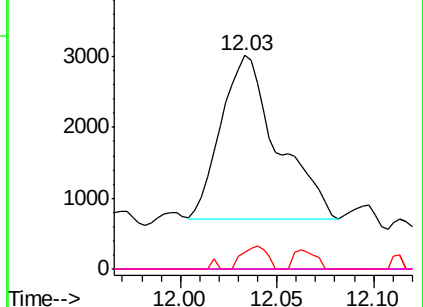


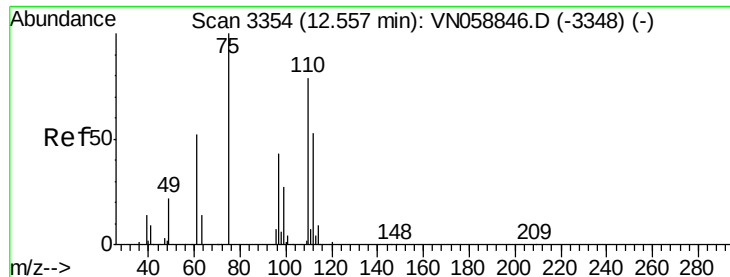
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 27.002 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

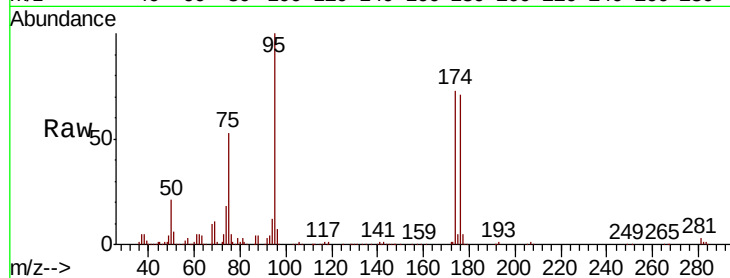
OK-02-101819

Tot Ion: 75 Resp: 143972

Ion Ratio Lower Upper

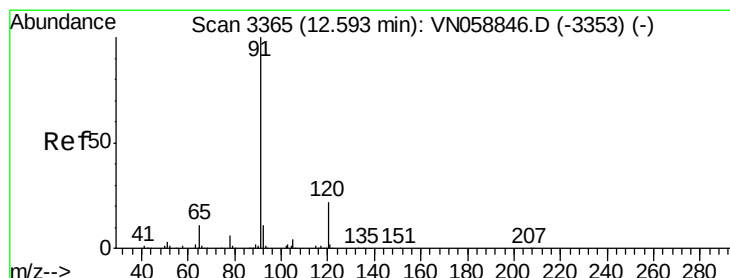
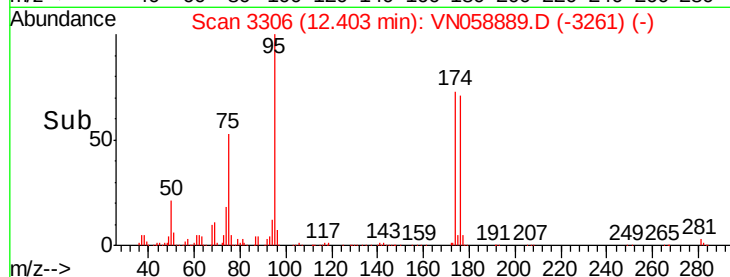
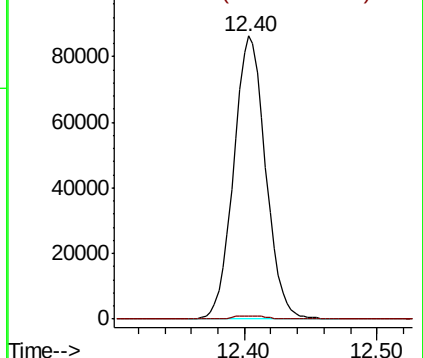
75 100

77 1.3 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: 0.211 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058889.D

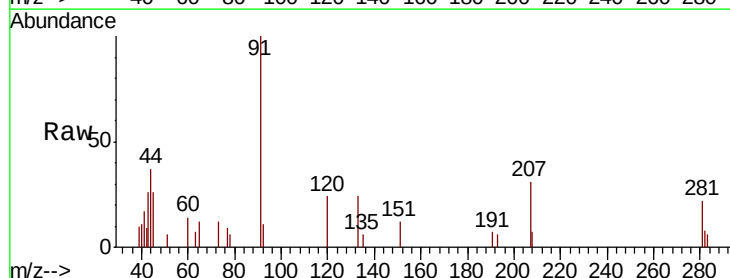
Acq: 21 Oct 2019 15:29

Tgt Ion: 91 Resp: 4199

Ion Ratio Lower Upper

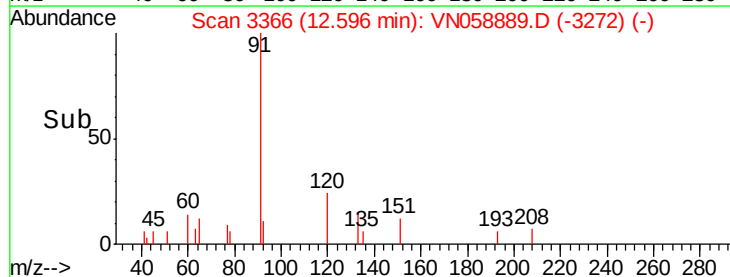
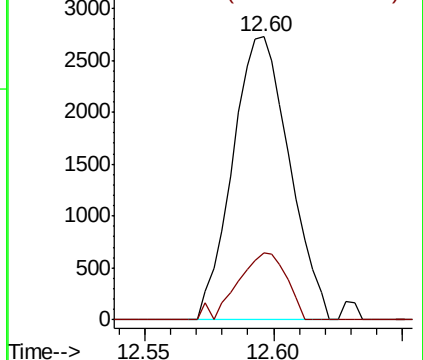
91 100

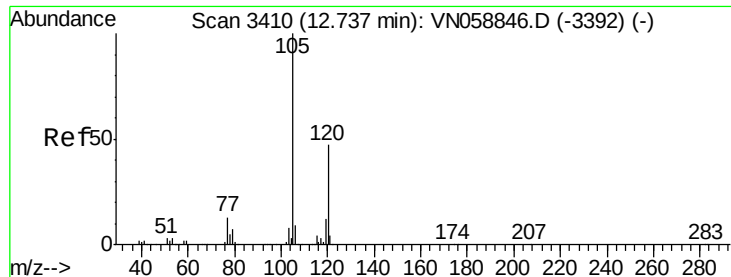
120 20.3 11.1 33.1



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: 0.229 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

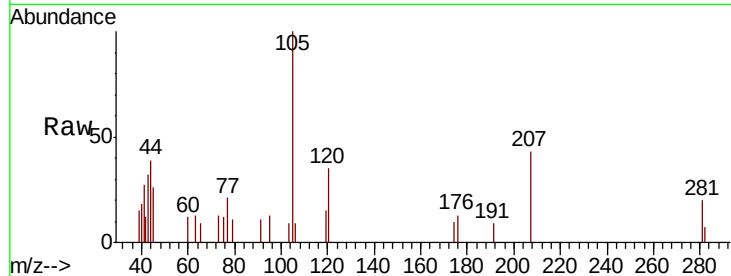
OK-02-101819

Tot Ion:105 Resp: 3235

Ion Ratio Lower Upper

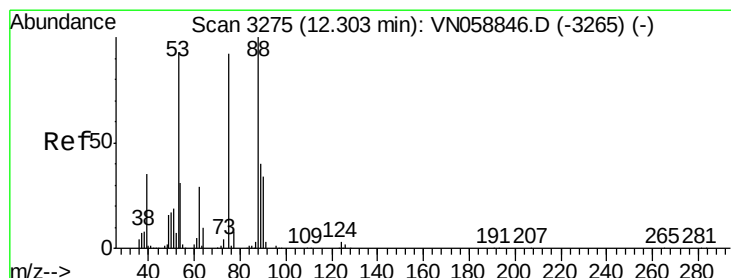
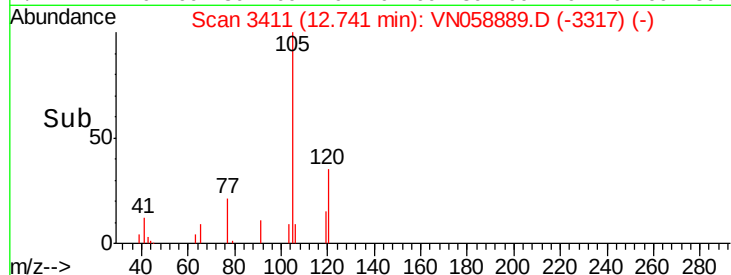
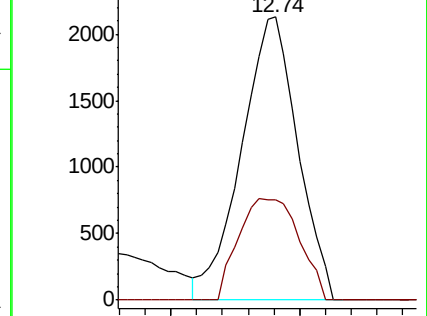
105 100

120 38.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 70.343 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

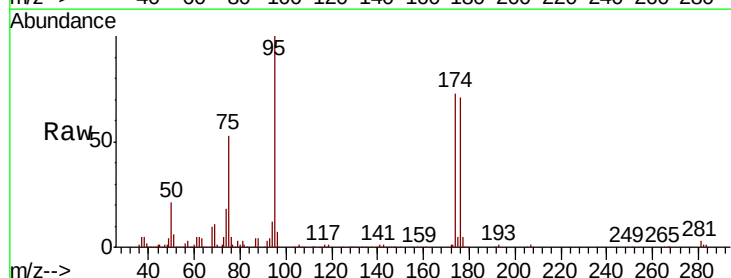
Tgt Ion: 75 Resp: 143972

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

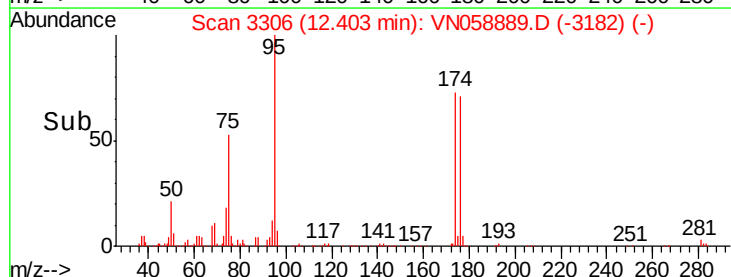
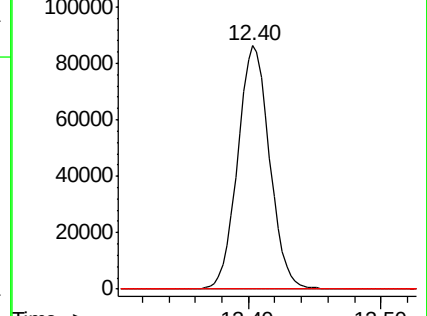
89 0.0 35.4 53.0#

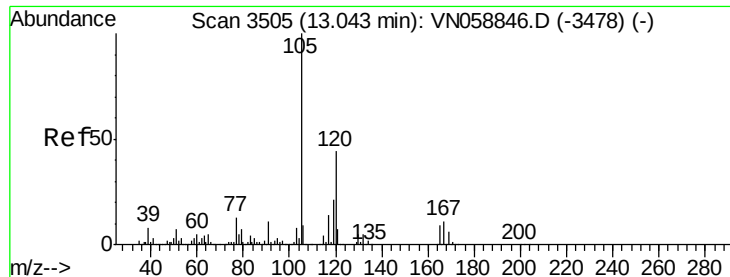


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.240 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

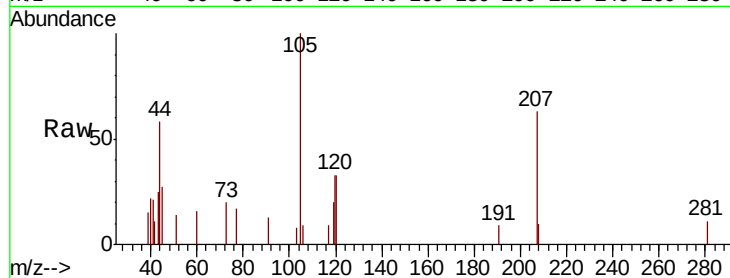
OK-02-101819

Tot Ion:105 Resp: 3339

Ion Ratio Lower Upper

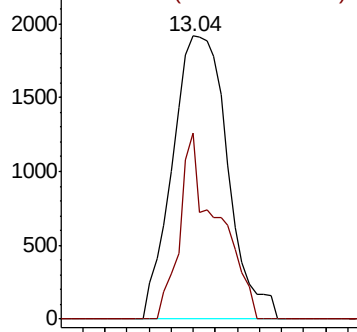
105 100

120 44.9 21.9 65.8

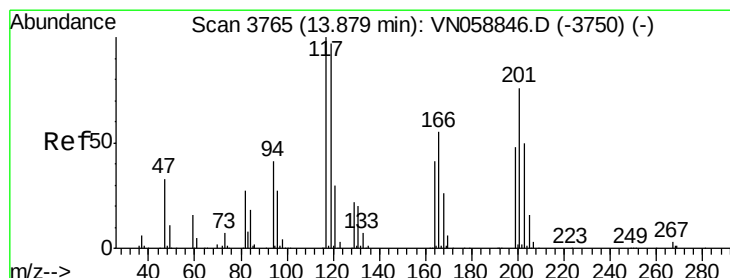
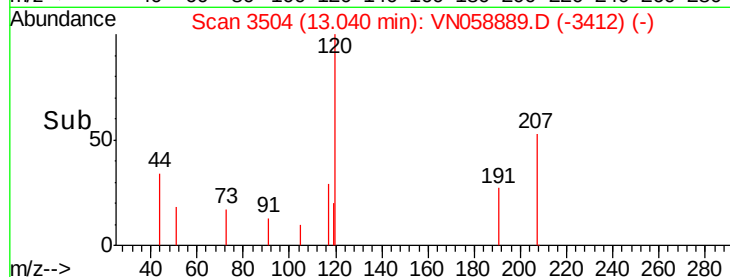


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#90

Hexachloroethane

Concen: 0.323 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN058889.D

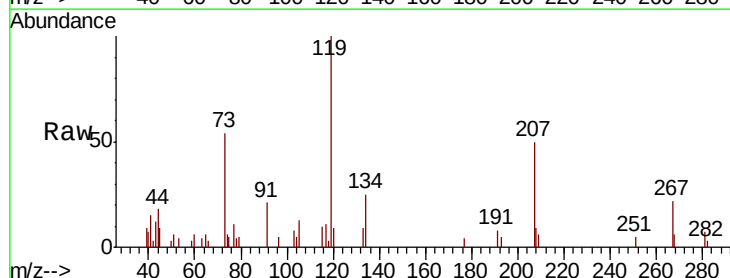
Acq: 21 Oct 2019 15:29

Tgt Ion:117 Resp: 930

Ion Ratio Lower Upper

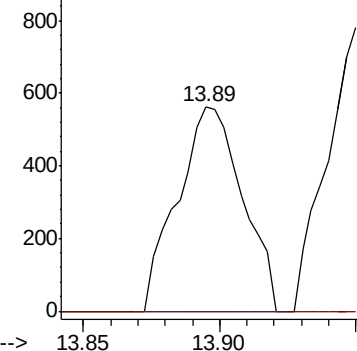
117 100

201 0.0 38.9 116.6#

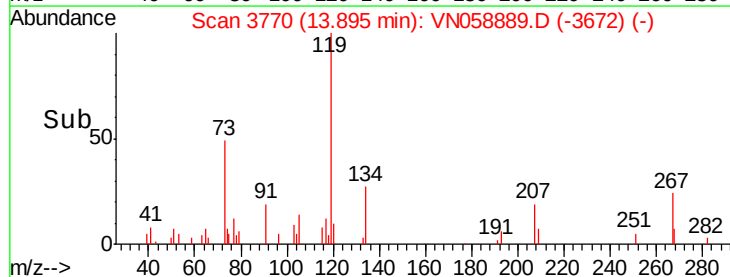


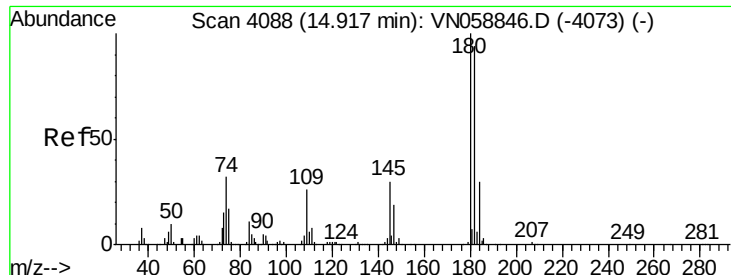
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.601 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

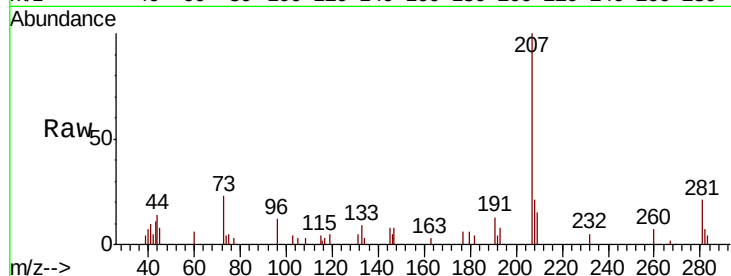
Tot Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 70.7 47.3 142.0

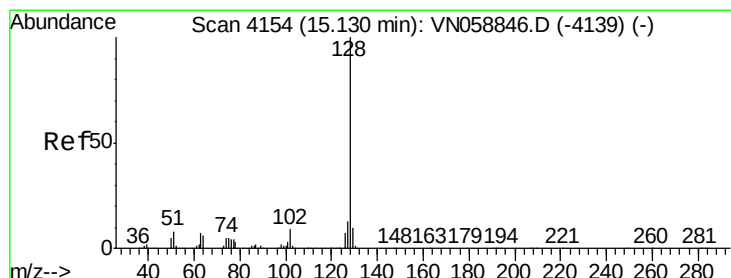
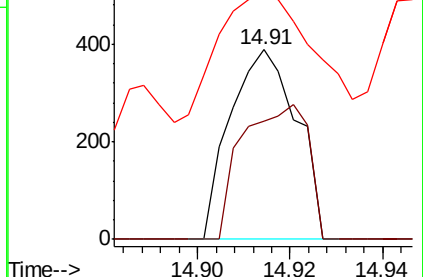
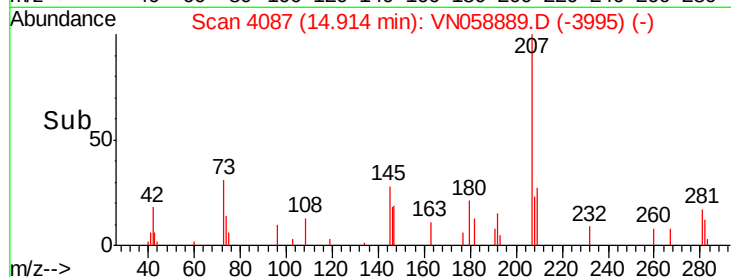
145 140.1 15.3 45.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 8.122 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

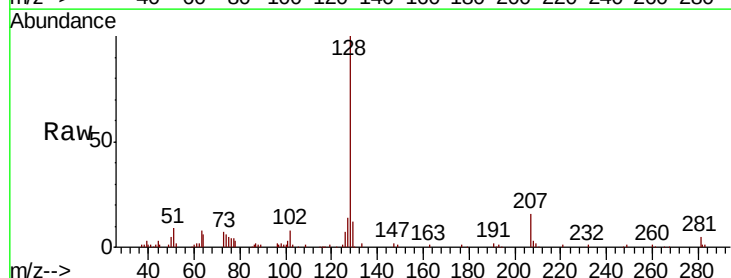
Tgt Ion:128 Resp: 81321

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

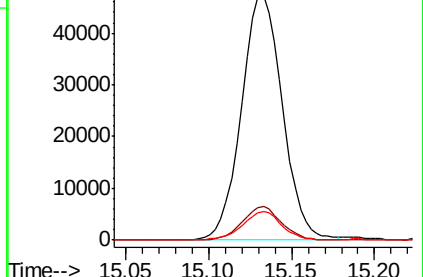
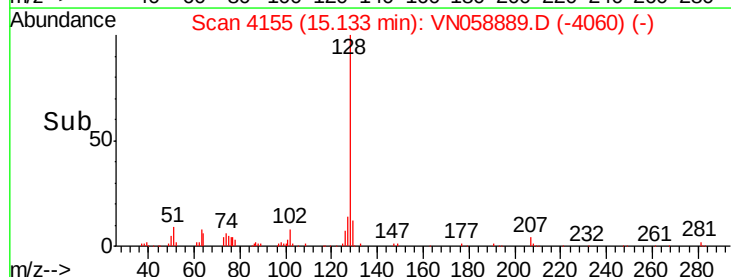
129 11.2 8.4 12.6

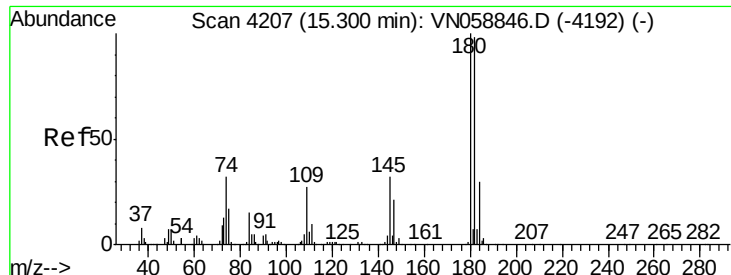


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.484 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN058889.D

Acq: 21 Oct 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

OK-02-101819

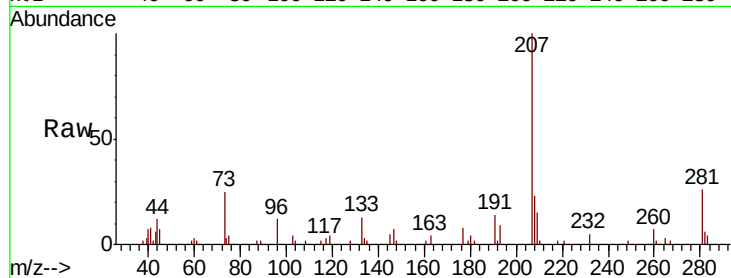
Tot Ion:180 Resp: 418

Ion Ratio Lower Upper

180 100

182 68.9 47.9 143.7

145 116.3 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

