

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056671.D
 Acq On : 11 Jul 2019 17:42
 Operator : JC/SP
 Sample : K3621-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

Quant Time: Jul 12 04:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	271904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	161895	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	7.59	113	146660	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.09	98	612291	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	221295	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.94	142	832	0.246	ug/l #	62
11) Tert butyl alcohol	4.79	59	164	0.323	ug/l #	74
16) Acetone	3.82	43	21461	14.214	ug/l	98
18) Methyl Acetate	4.34	43	3507	0.324	ug/l #	79
20) Methylene Chloride	4.55	84	20494	6.425	ug/l	96
25) 2-Butanone	6.85	43	3996	2.000	ug/l #	90
29) Tetrahydrofuran	7.22	42	2252	1.844	ug/l #	71
31) Cyclohexane	7.66	56	4359	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18166	4.330	ug/l #	49
37) Ethyl Acetate	6.85	43	3996	0.969	ug/l #	69
38) Carbon Tetrachloride	7.67	117	23329	6.358	ug/l #	15
41) Methacrylonitrile	7.22	41	868	0.477	ug/l #	27
43) Isopropyl Acetate	8.17	43	19157	3.013	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	1889	0.547	ug/l #	43
48) Methyl methacrylate	9.18	41	9542	2.995	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	4630	1.128	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	48299	10.472	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	10775	2.022	ug/l #	42
59) 2-Hexanone	10.76	43	153308	50.830	ug/l #	51
60) Dibromochloromethane	10.63	129	60	2.399	ug/l #	10
71) Bromoform	12.41	173	1813	3.756	ug/l #	1
73) Isopropylbenzene	12.25	105	521	Below Cal	#	48
74) N-amyl acetate	11.88	43	13580	2.231	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.51	83	29	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	103589	26.123	ug/l #	100
79) 2-Chlorotoluene	12.77	91	970	Below Cal		83
80) 1,3,5-Trimethylbenzene	12.73	105	2673	Below Cal		90
81) trans-1,4-Dichloro-2-buten	12.40	75	103589	92.846	ug/l #	8
83) tert-Butylbenzene	12.99	119	472	Below Cal	#	79
88) 1,4-Dichlorobenzene	13.36	146	1273	0.203	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1598	6.038	ug/l	91
94) Hexachlorobutadiene	15.01	225	306	Below Cal	#	58
95) Naphthalene	15.13	128	7423	6.004	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	2430	5.119	ug/l	93

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Response via : Initial Calibration

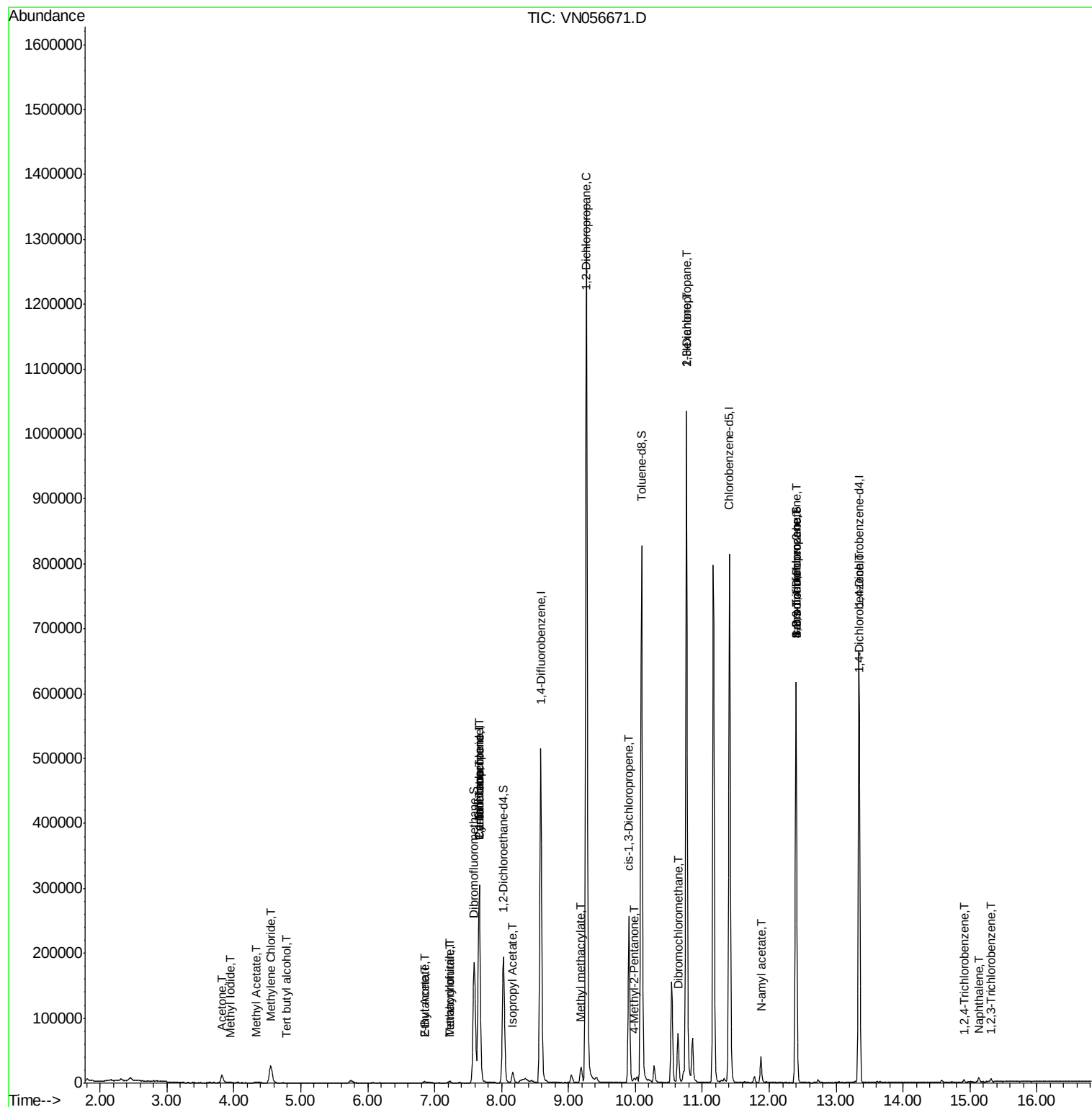
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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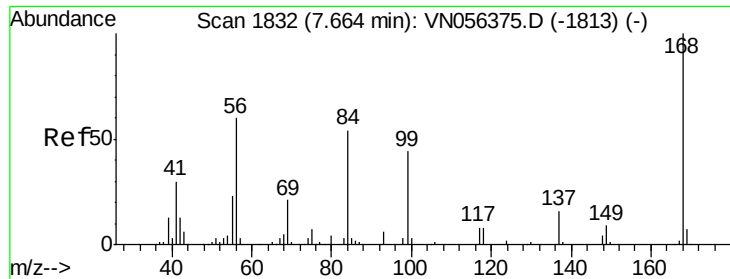
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071219\
Data File : VN056671.D
Acq On : 11 Jul 2019 17:42
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Sample : K3621-02
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Quant Title : SW846 8260
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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: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

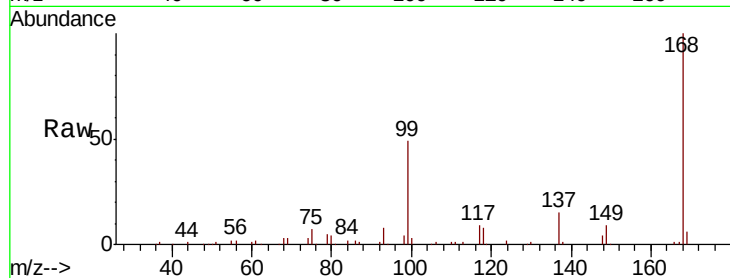
OK-03-071019-A

Tot Ion:168 Resp: 271904

Ion Ratio Lower Upper

168 100

99 48.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

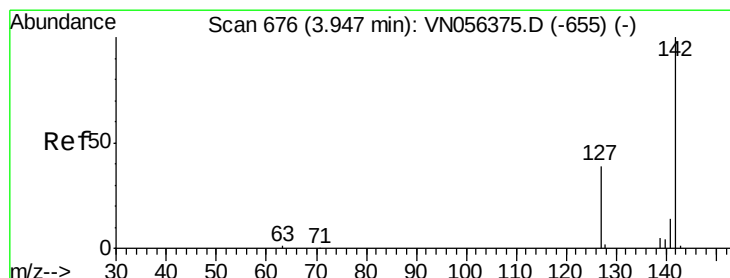
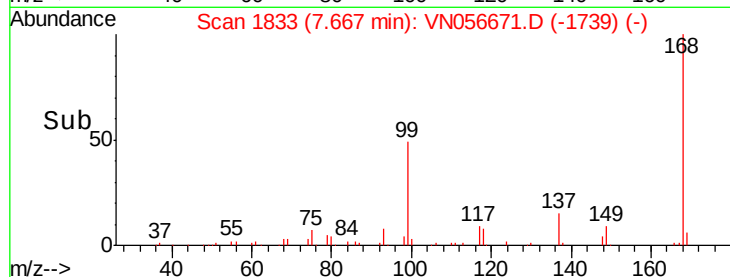
7.67

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 0.246 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

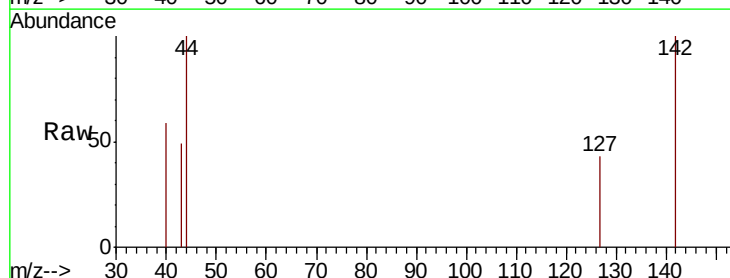
Tgt Ion:142 Resp: 832

Ion Ratio Lower Upper

142 100

127 14.4 30.6 46.0#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

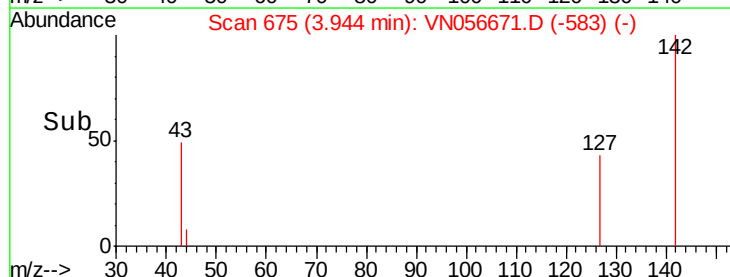
300

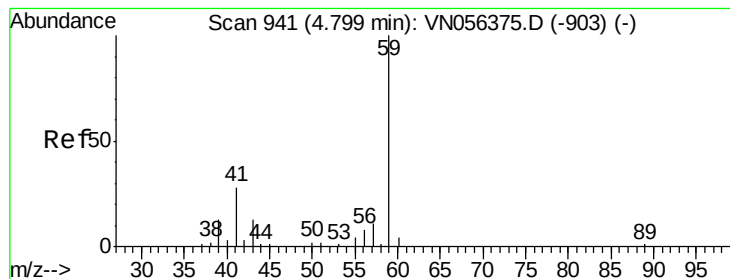
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 0.323 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.01 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

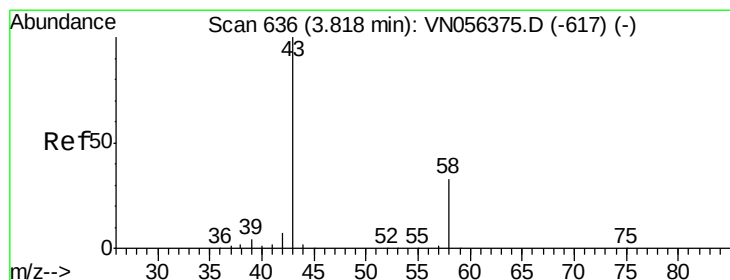
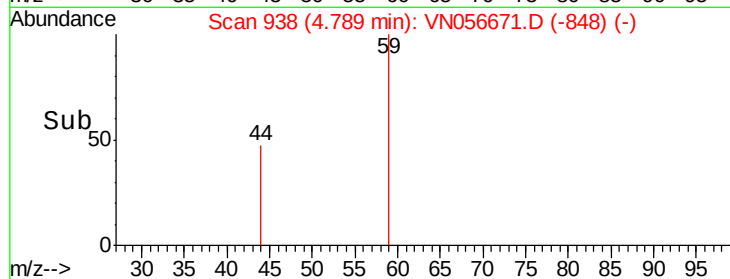
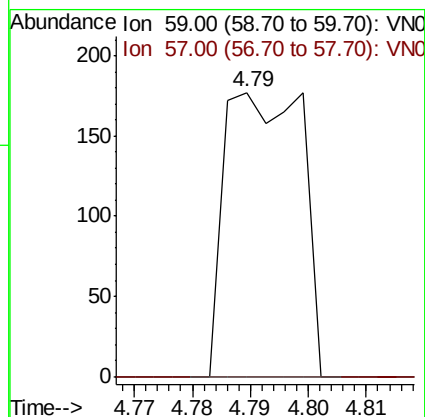
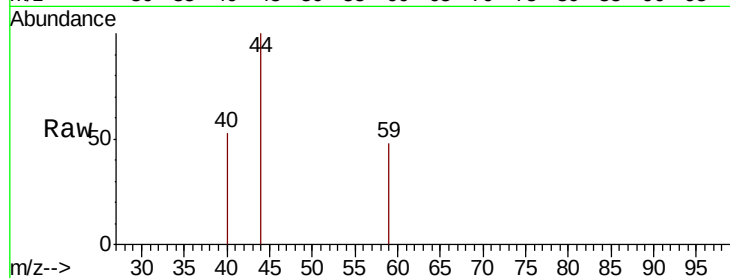
OK-03-071019-A

Tot Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



#16

Acetone

Concen: 14.214 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056671.D

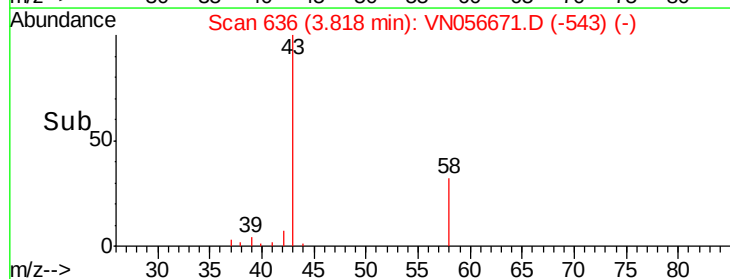
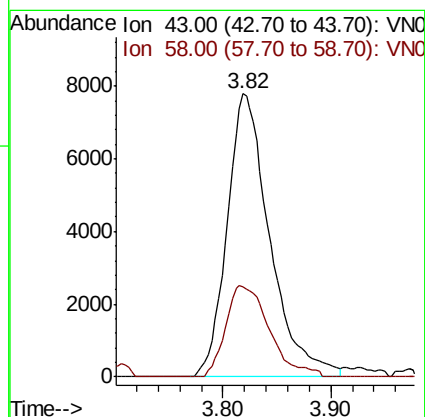
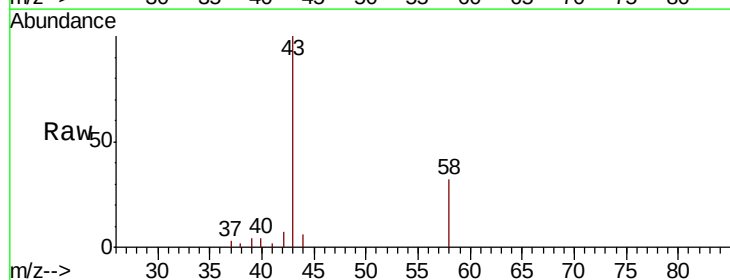
Acq: 11 Jul 2019 17:42

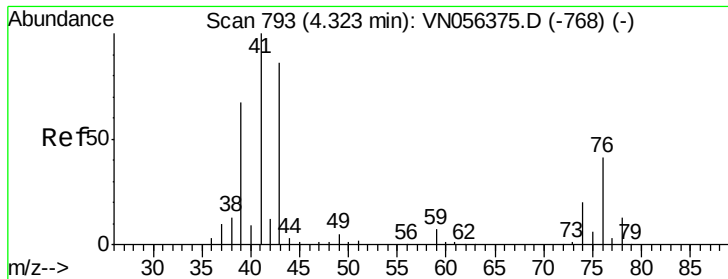
Tgt Ion: 43 Resp: 21461

Ion Ratio Lower Upper

43 100

58 31.7 26.4 39.6

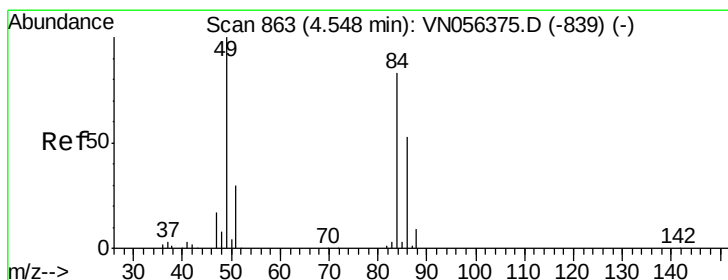
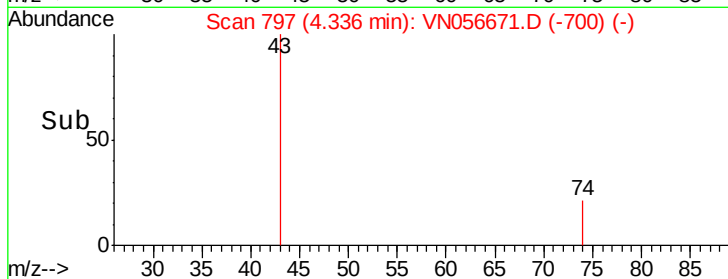
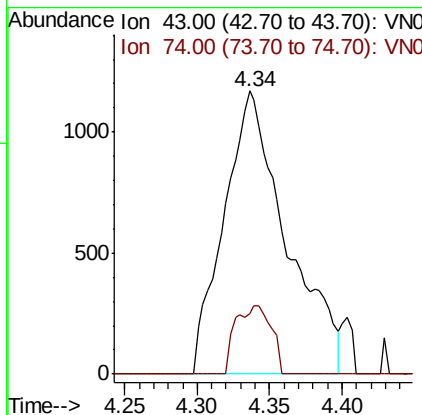
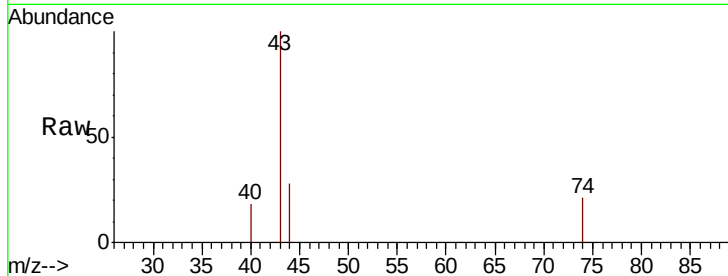




#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

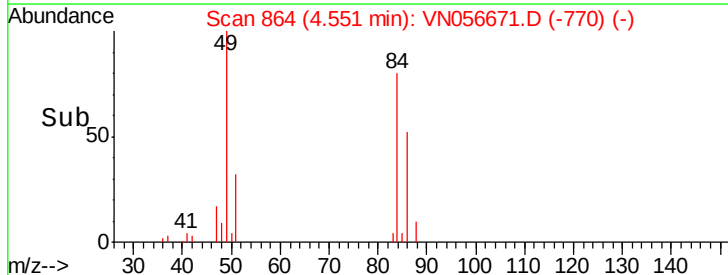
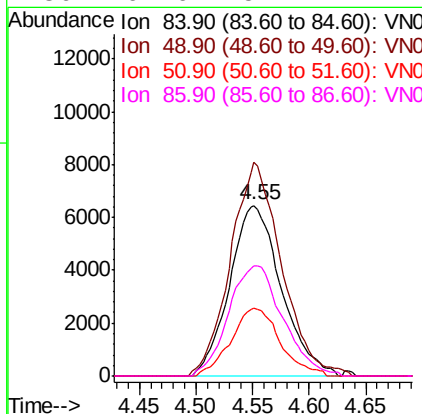
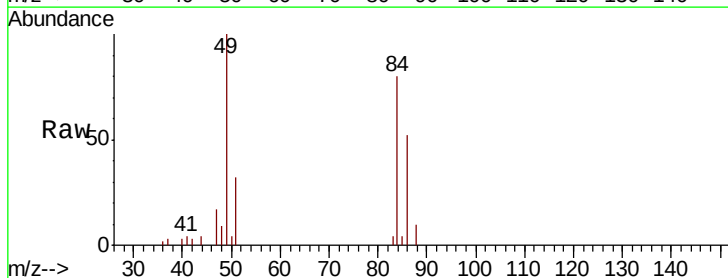
Instrument :
MSVOA_N
ClientSampleId :
OK-03-071019-A

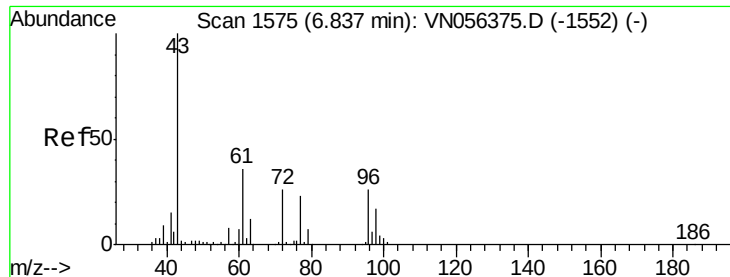
Tot Ion: 43 Resp: 3507
Ion Ratio Lower Upper
43 100
74 13.7 19.2 28.8#



#20
Methylene Chloride
Concen: 6.425 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Tgt Ion: 84 Resp: 20494
Ion Ratio Lower Upper
84 100
49 125.4 96.4 144.6
51 39.8 28.6 43.0
86 64.6 51.4 77.2





#25

2-Butanone

Concen: 2.000 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

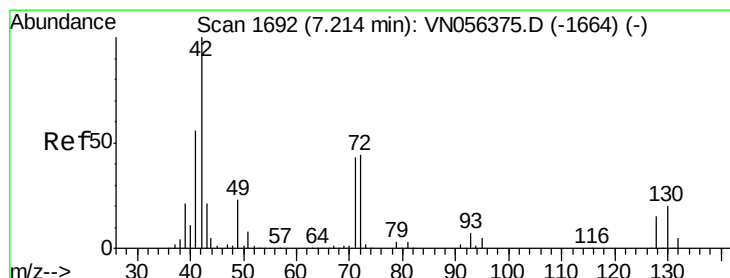
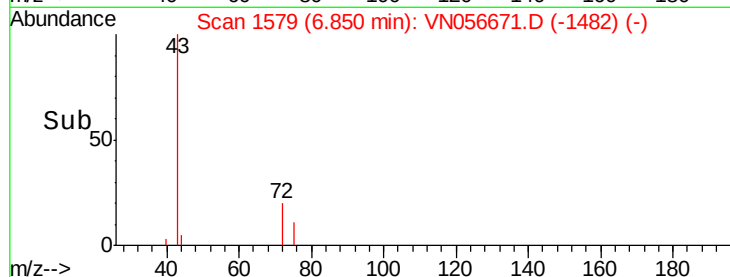
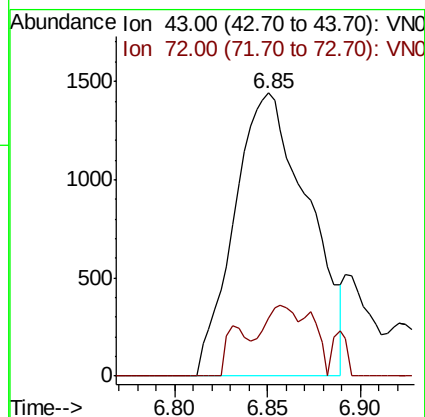
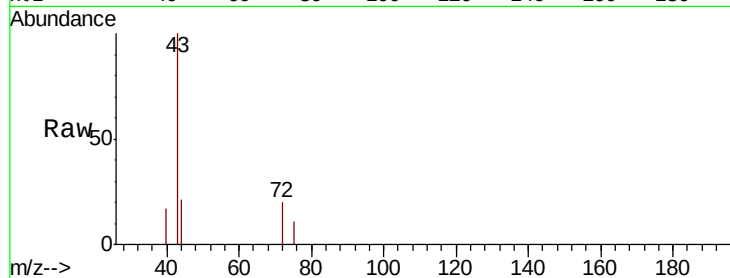
OK-03-071019-A

Tot Ion: 43 Resp: 3996

Ion Ratio Lower Upper

43 100

72 20.5 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.844 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

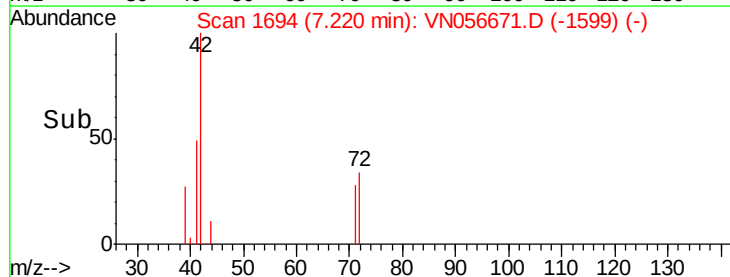
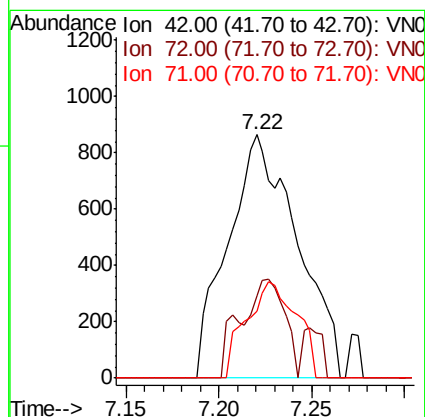
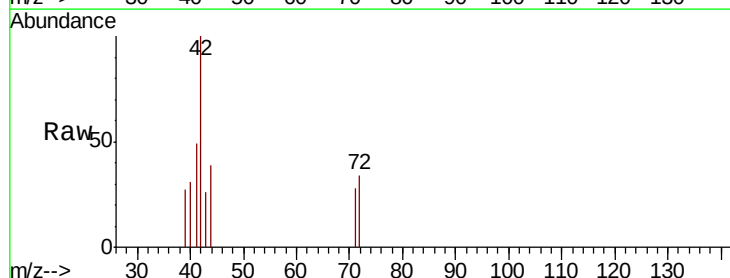
Tgt Ion: 42 Resp: 2252

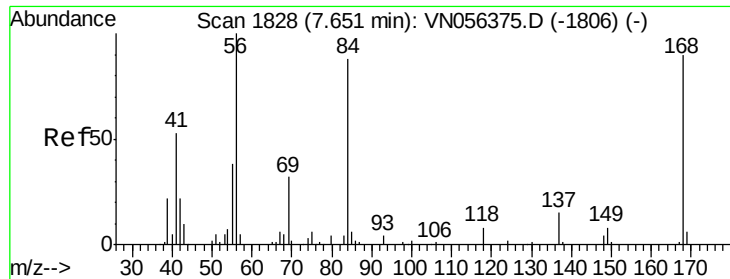
Ion Ratio Lower Upper

42 100

72 18.8 34.7 52.1#

71 28.8 33.0 49.6#

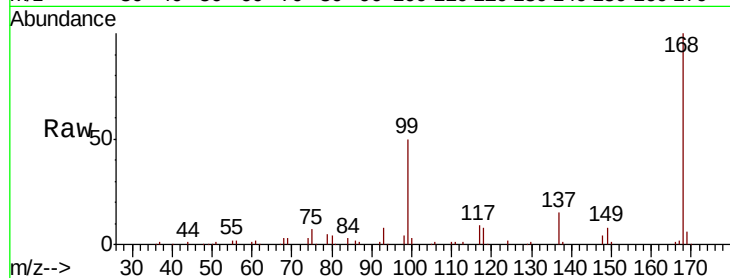




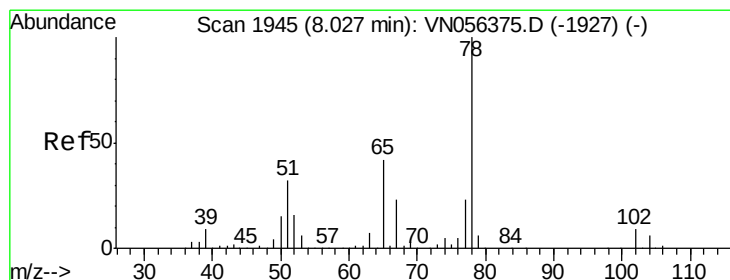
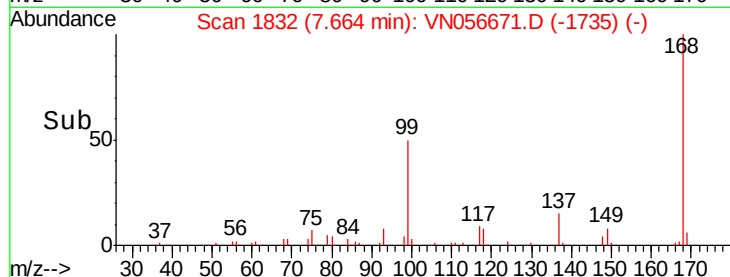
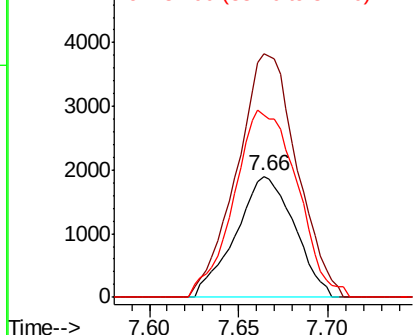
#31
Cyclohexane
Concen: 0.937 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
OK-03-071019-A

Tot Ion: 56 Resp: 4359
Ion Ratio Lower Upper
56 100
69 201.6 25.8 38.6#
84 151.0 69.4 104.0#

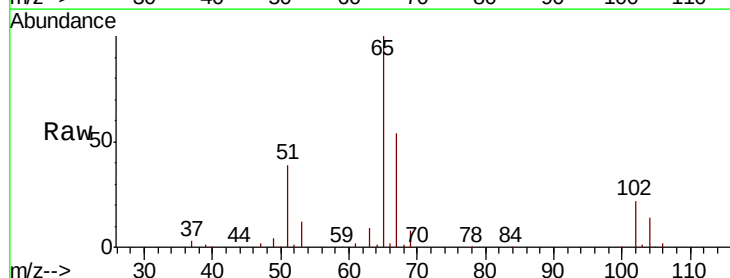


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

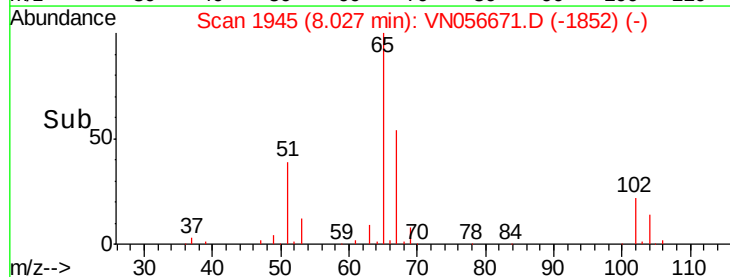
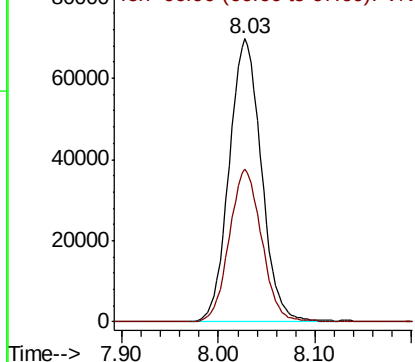


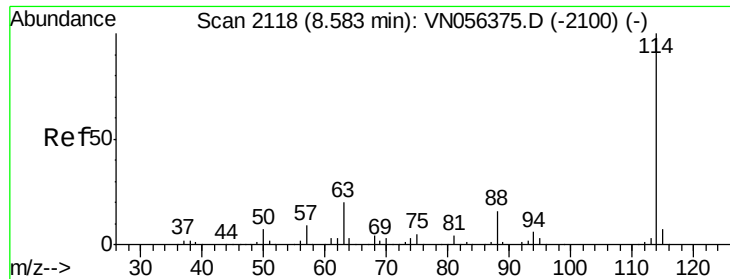
#33
1,2-Dichloroethane-d4
Concen: 53.723 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Tgt Ion: 65 Resp: 161895
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

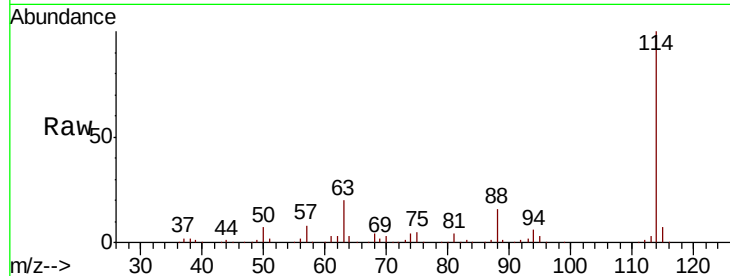




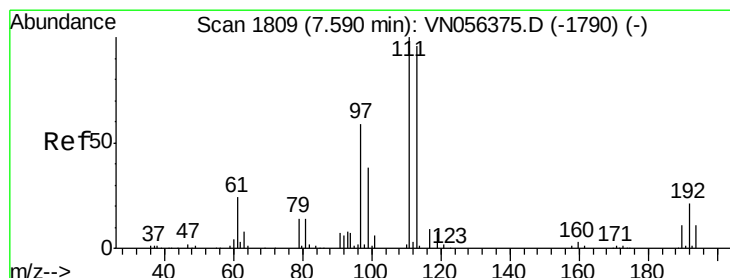
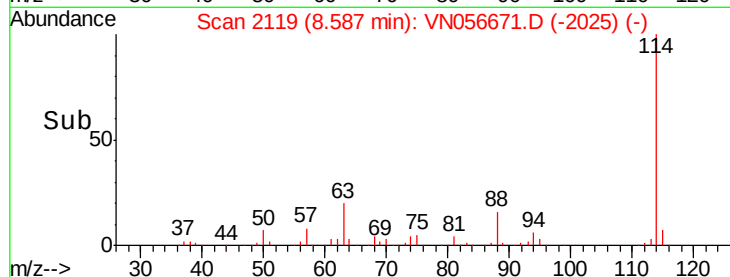
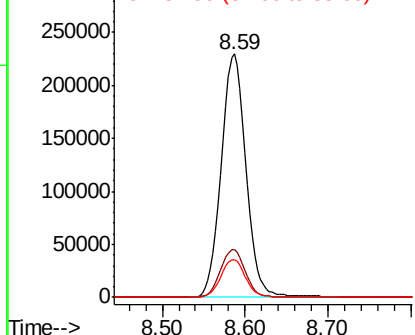
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Instrument :
 MSVOA_N
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 OK-03-071019-A

Tot Ion:114 Resp: 476692
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.6 0.0 31.4

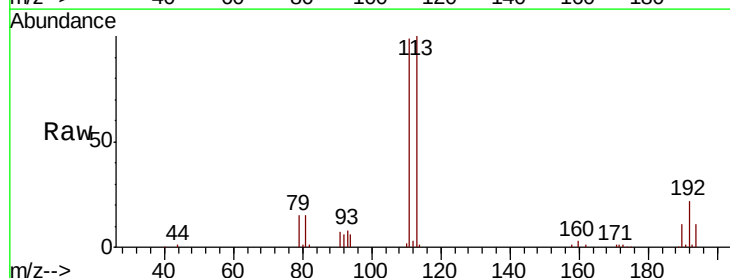


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

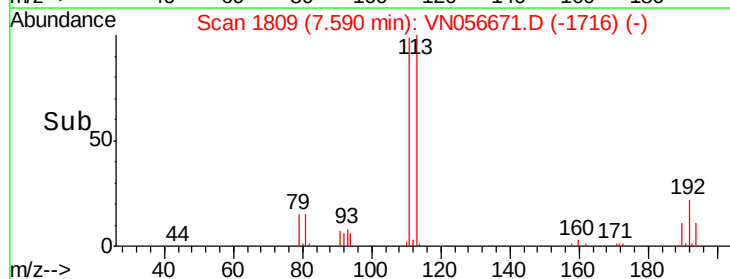
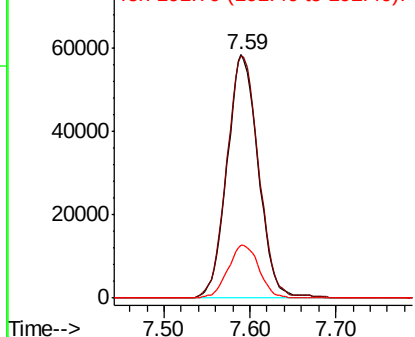


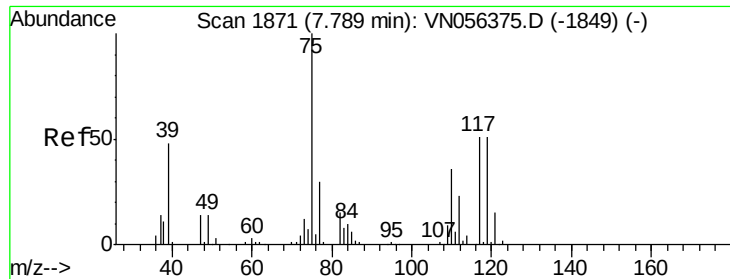
#35
 Dibromofluoromethane
 Concen: 49.318 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Tgt Ion:113 Resp: 146660
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 21.8 17.7 26.5



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

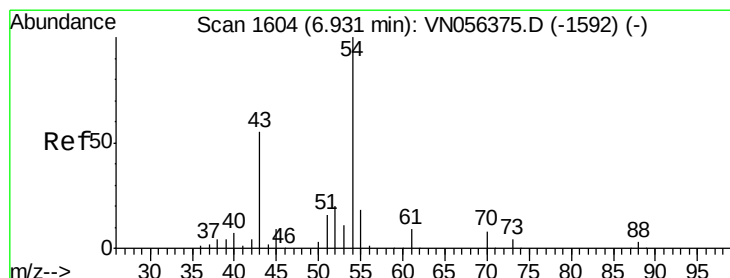
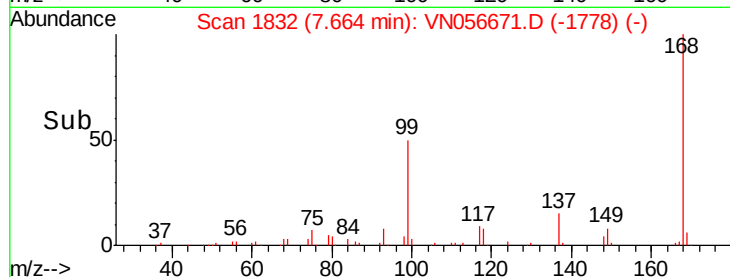
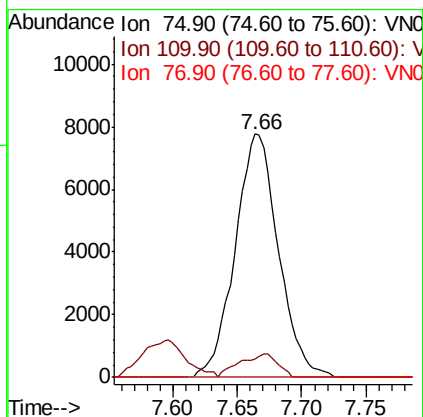
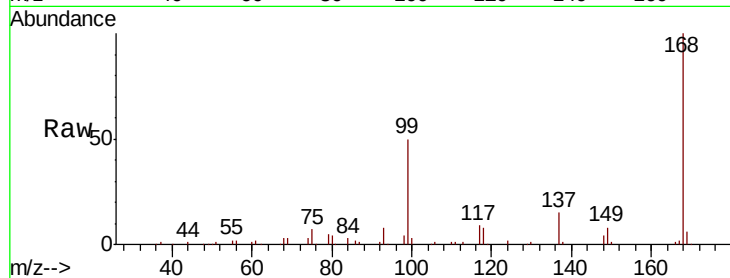




#36
 1,1-Dichloropropene
 Concen: 4.330 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

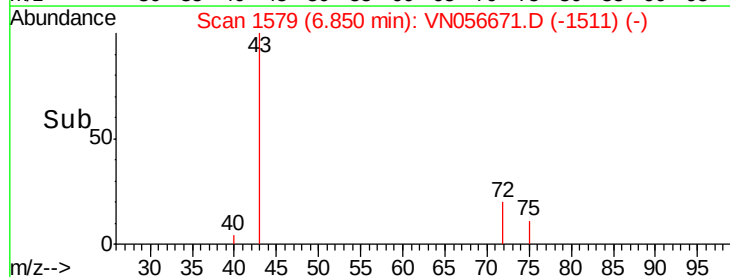
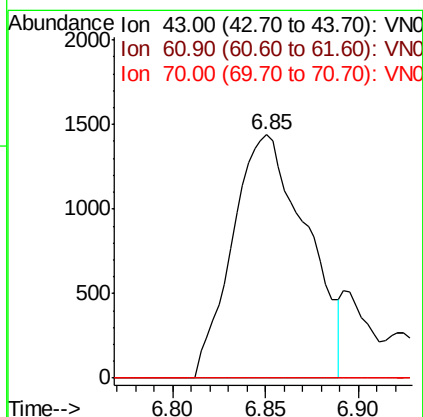
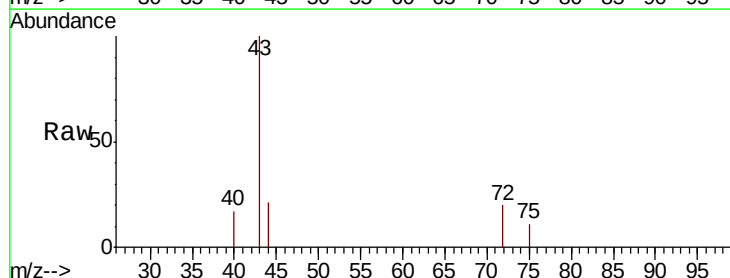
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

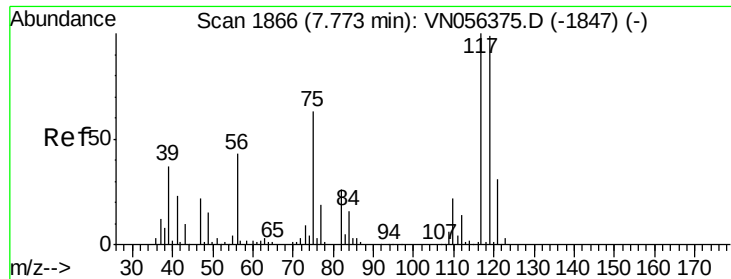
Tot Ion	75	Resp	18166
Ion Ratio	Lower	Upper	
75	100		
110	8.4	18.1	54.3#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.969 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. -0.08 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Tgt Ion	43	Resp	3996
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.1	16.7#
70	0.0	8.3	12.5#





#38

Carbon Tetrachloride

Concen: 6.358 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

OK-03-071019-A

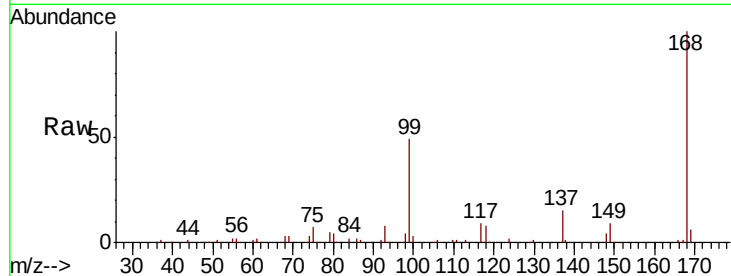
Tot Ion:117 Resp: 23329

Ion Ratio Lower Upper

117 100

119 4.9 79.1 118.7#

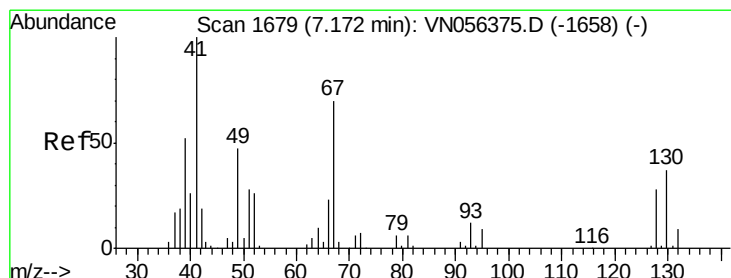
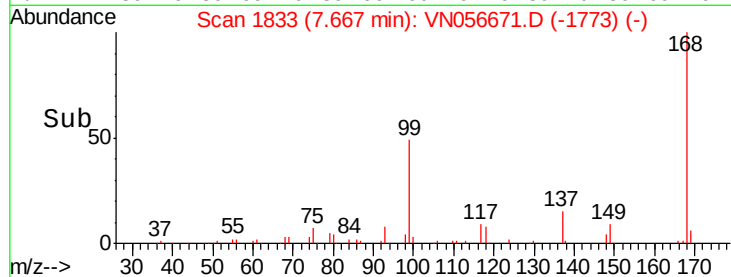
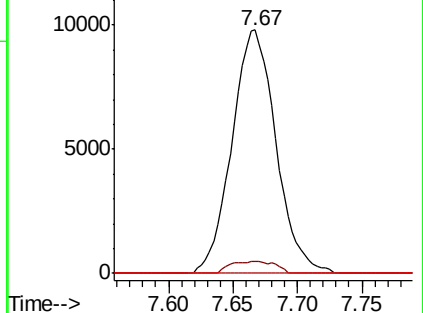
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 0.477 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Tgt Ion: 41 Resp: 868

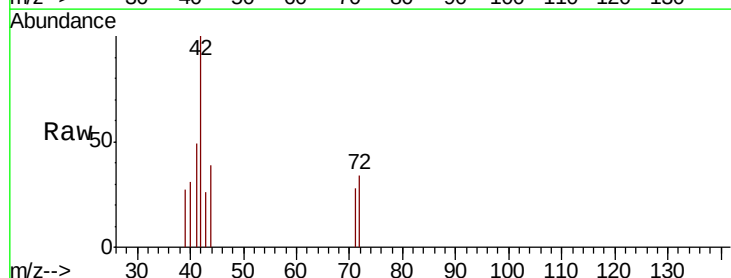
Ion Ratio Lower Upper

41 100

39 35.5 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

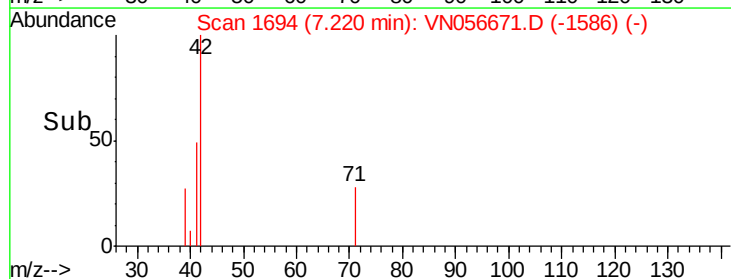
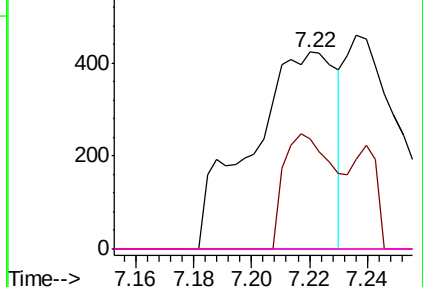


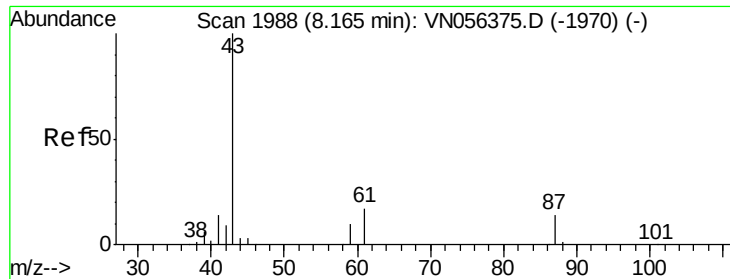
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 3.013 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

OK-03-071019-A

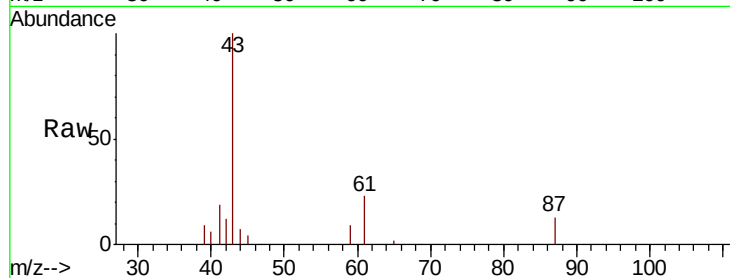
Tot Ion: 43 Resp: 19157

Ion Ratio Lower Upper

43 100

61 21.7 22.0 33.0#

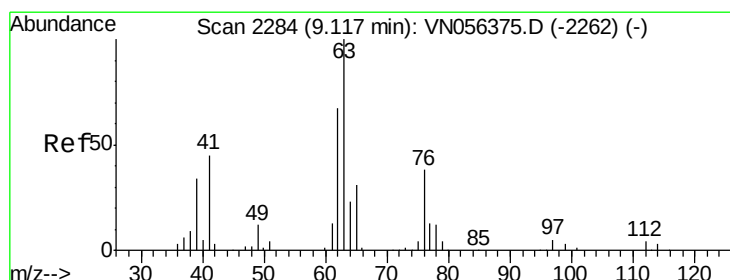
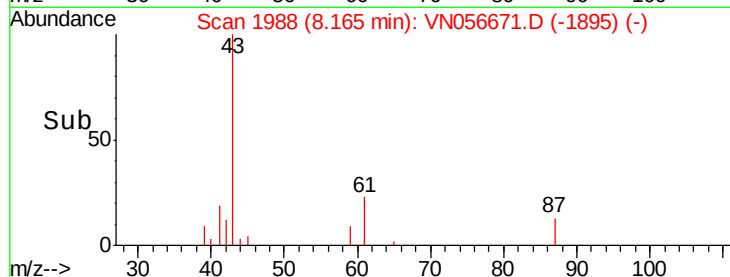
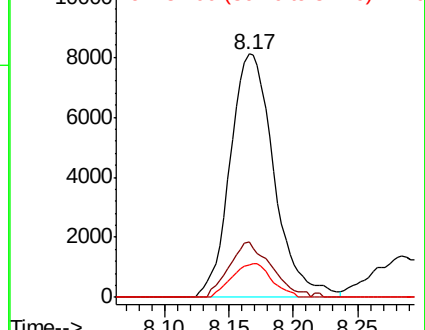
87 12.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.547 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN056671.D

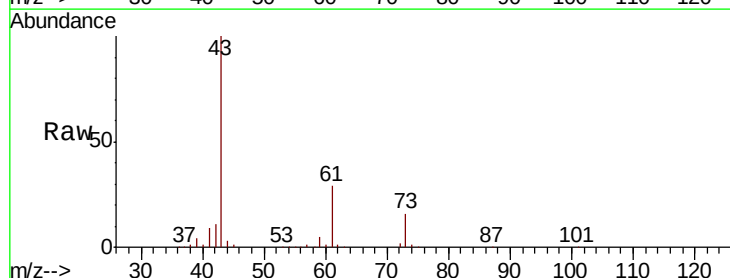
Acq: 11 Jul 2019 17:42

Tgt Ion: 63 Resp: 1889

Ion Ratio Lower Upper

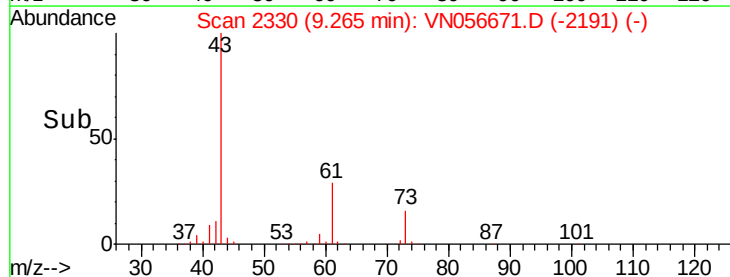
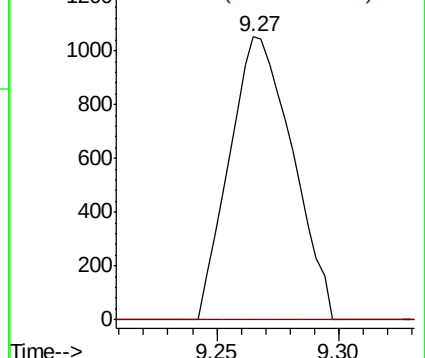
63 100

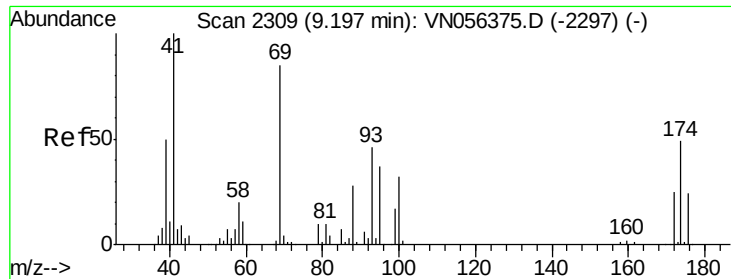
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

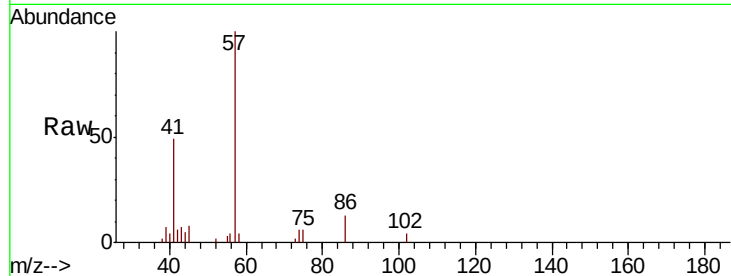




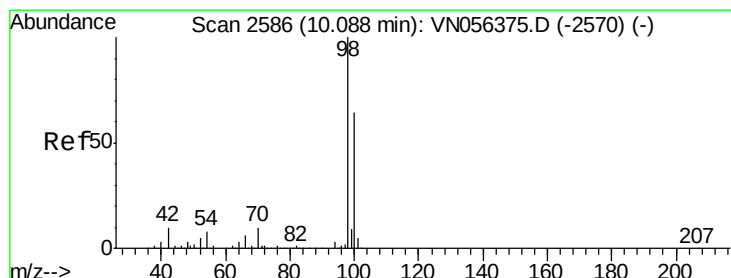
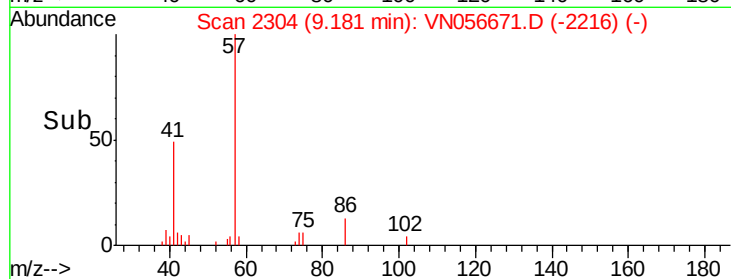
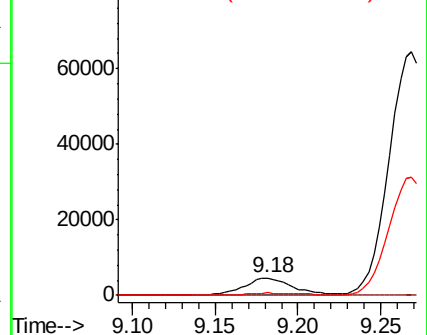
#48
Methvl methacrylate
Concen: 2.995 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
OK-03-071019-A

Tot Ion: 41 Resp: 9542
Ion Ratio Lower Upper
41 100
69 0.0 72.6 109.0#
39 0.0 42.6 63.8#

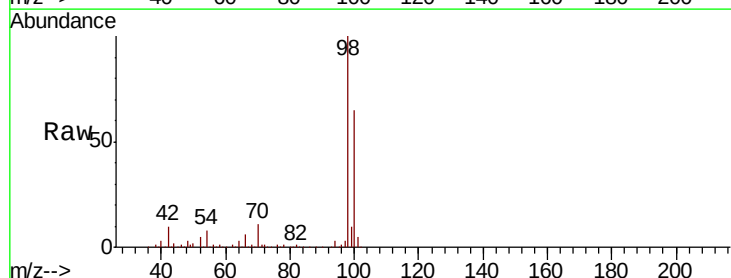


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

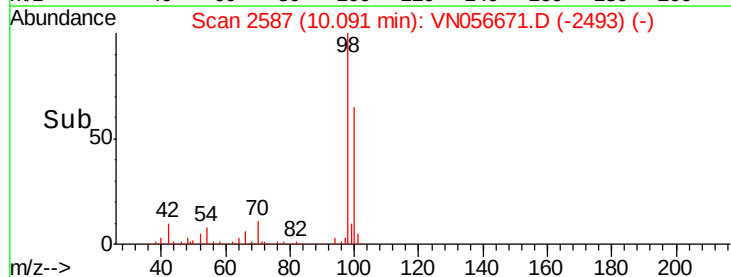
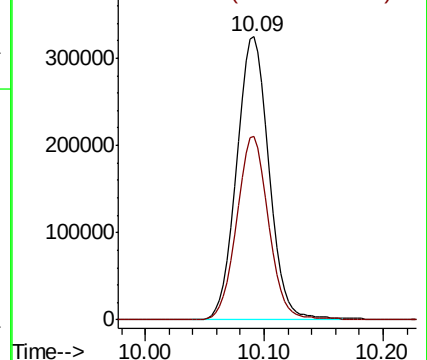


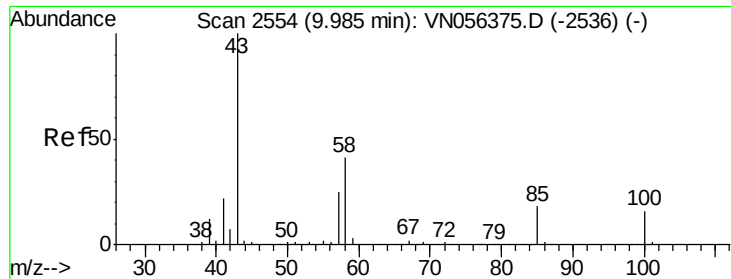
#50
Toluene-d8
Concen: 52.915 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Tgt Ion: 98 Resp: 612291
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

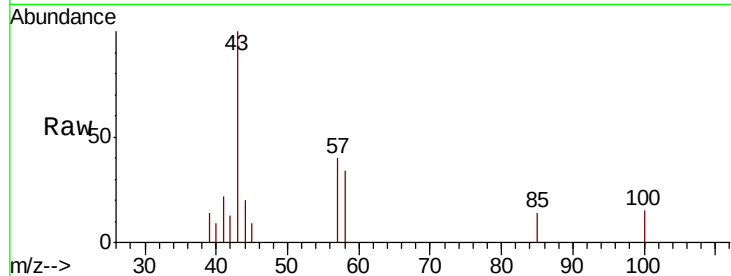
OK-03-071019-A

Tot Ion: 43 Resp: 4630

Ion Ratio Lower Upper

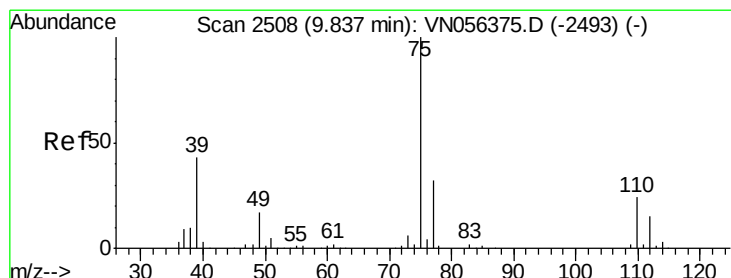
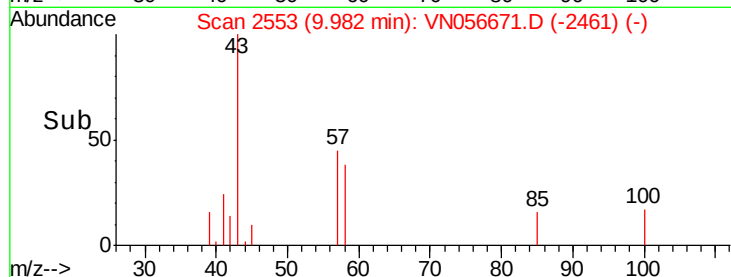
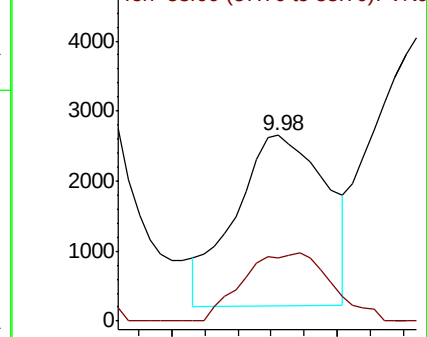
43 100

58 38.9 31.8 47.8



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: 10.472 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

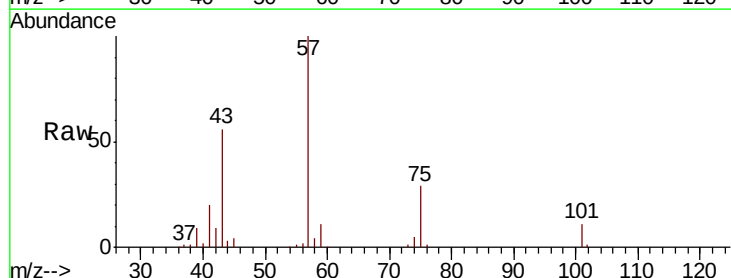
Tgt Ion: 75 Resp: 48299

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

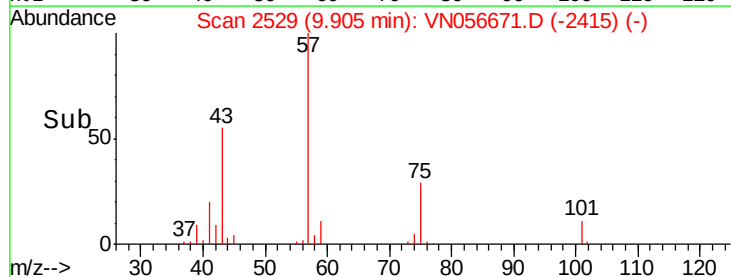
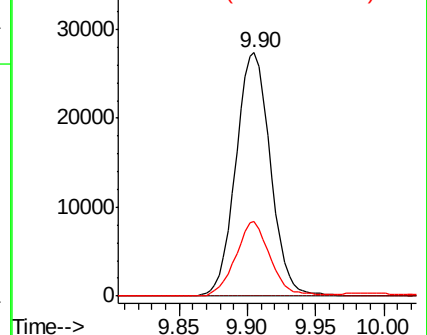
39 30.4 34.2 51.4#

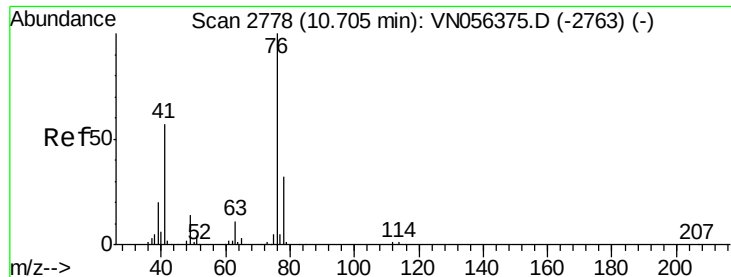


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

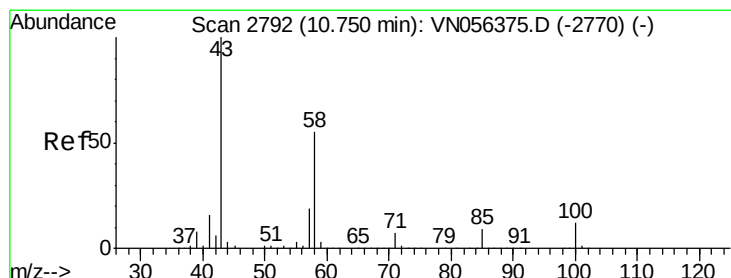
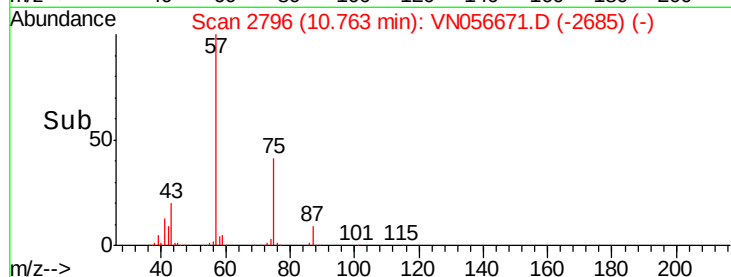
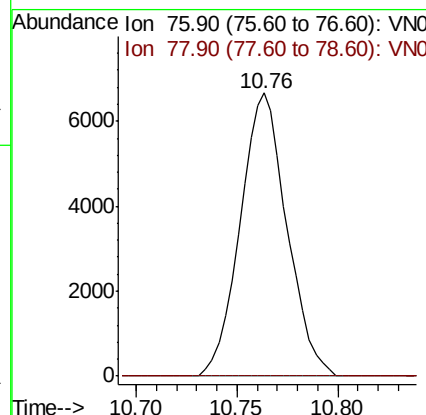
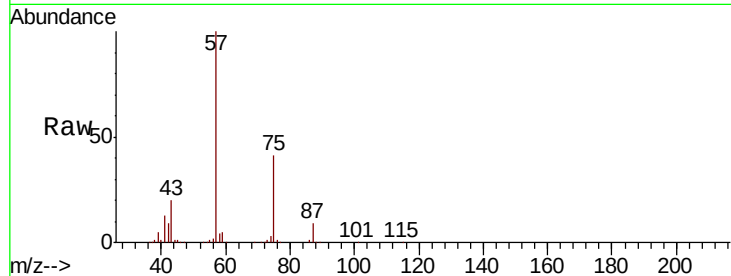




#57
 1,3-Dichloropropane
 Concen: 2.022 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

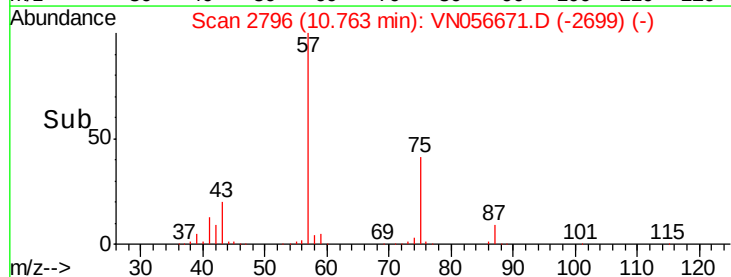
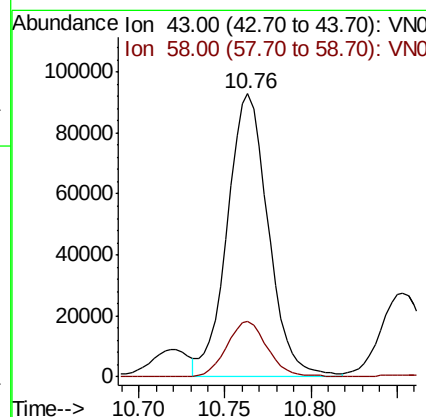
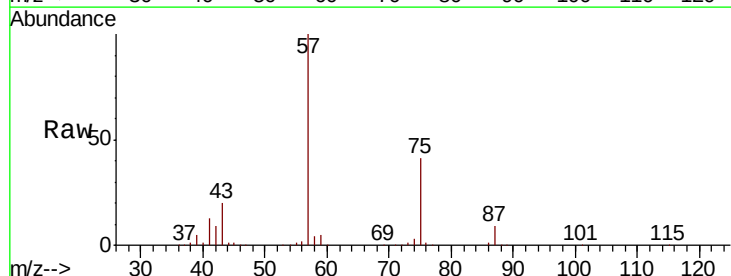
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

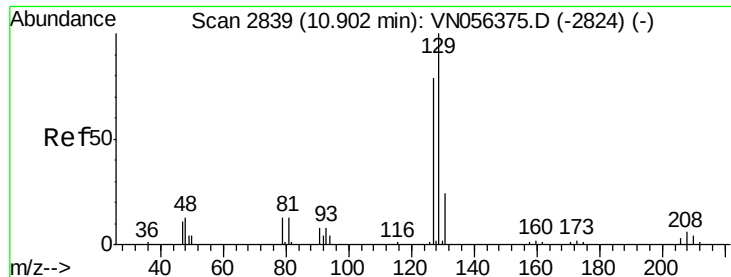
Tot Ion: 76 Resp: 10775
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 50.830 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Tgt Ion: 43 Resp: 153308
 Ion Ratio Lower Upper
 43 100
 58 19.7 27.8 83.4#

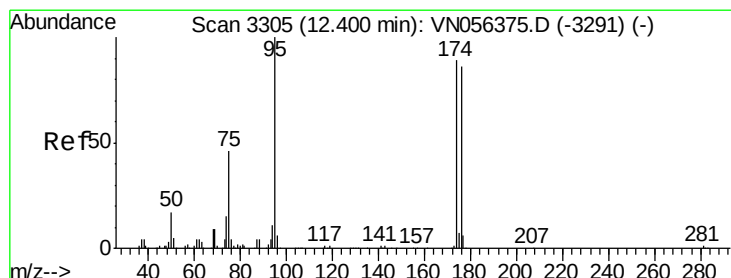
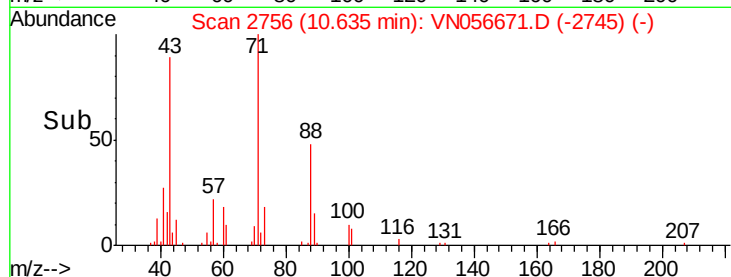
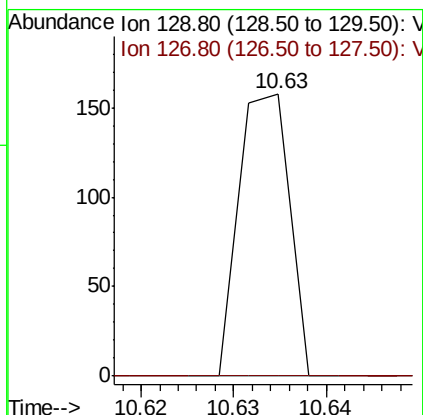
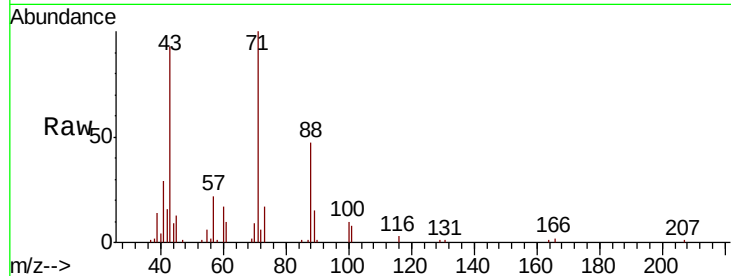




#60
Dibromochloromethane
Concen: 2.399 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

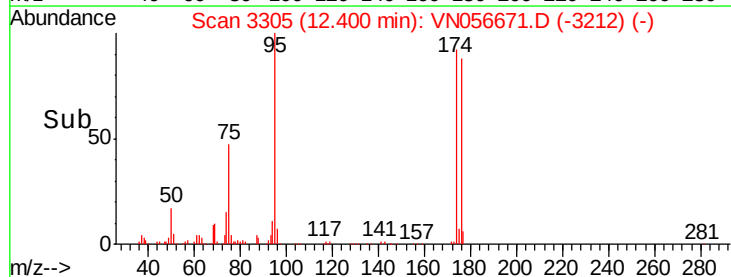
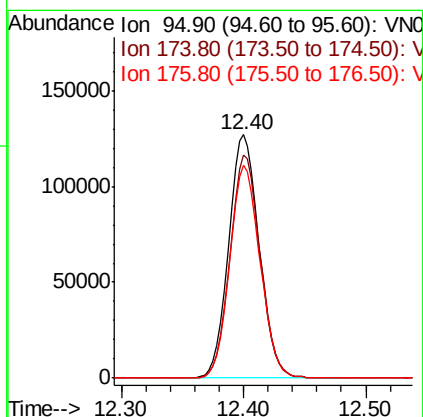
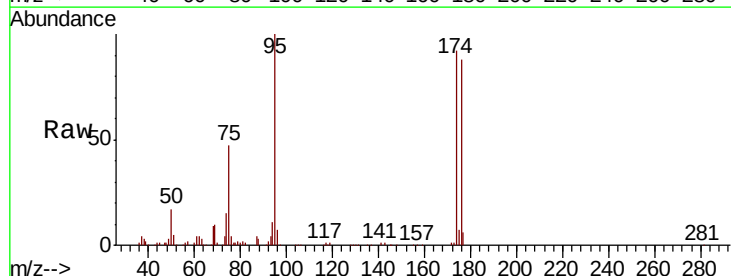
Instrument :
MSVOA_N
ClientSampleId :
OK-03-071019-A

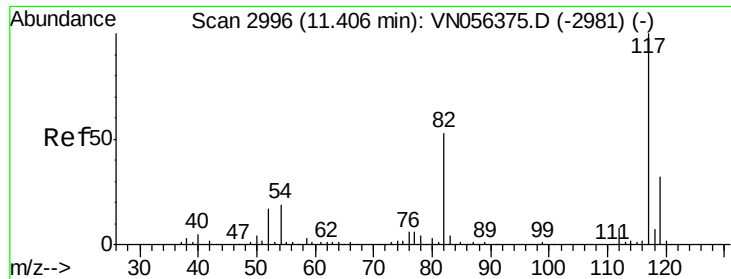
Tot Ion:129 Resp: 60
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 57.370 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Tgt Ion: 95 Resp: 221295
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.4
176 86.9 0.0 173.4

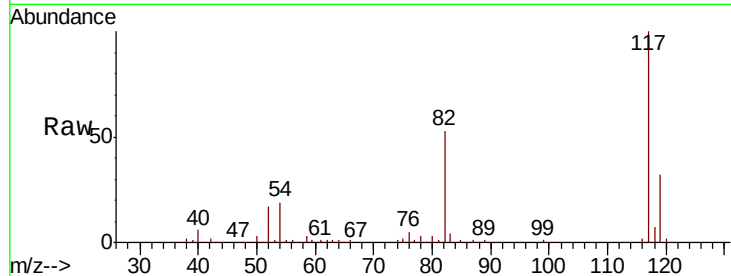




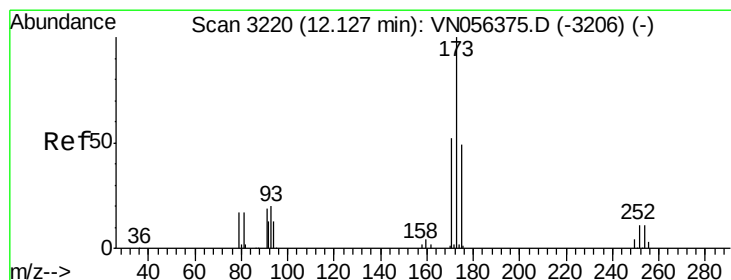
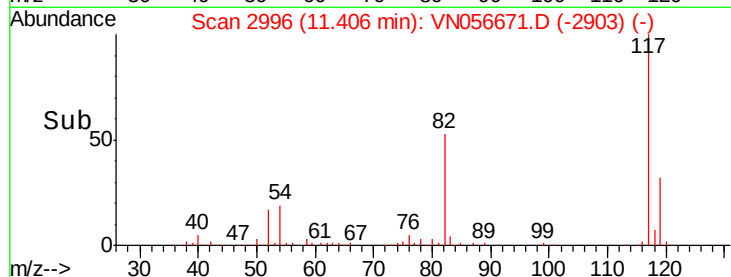
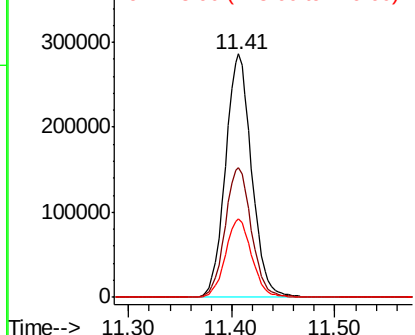
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
OK-03-071019-A

Tot Ion:117 Resp: 505904
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.0 25.3 37.9

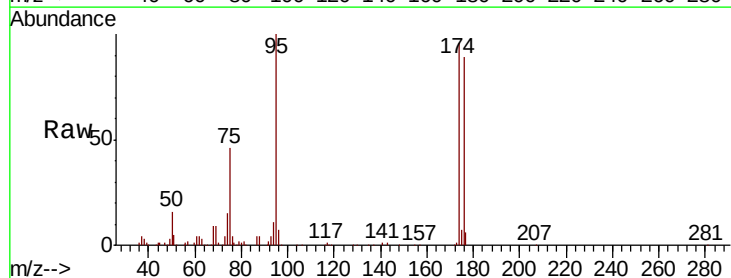


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

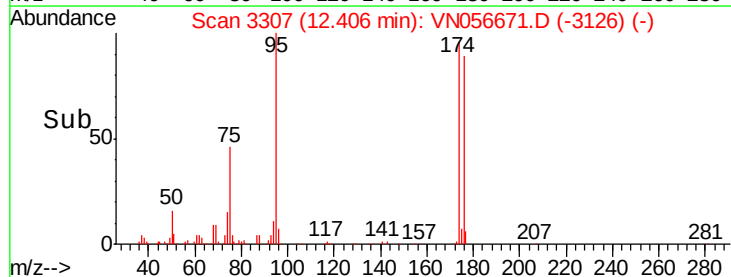
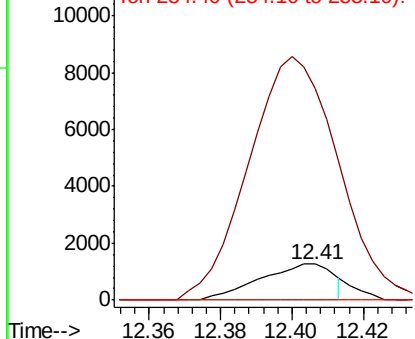


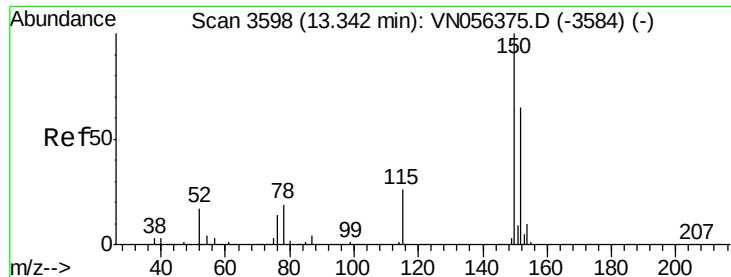
#71
Bromoform
Concen: 3.756 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN056671.D
Acq: 11 Jul 2019 17:42

Tgt Ion:173 Resp: 1813
Ion Ratio Lower Upper
173 100
175 728.7 24.4 73.4#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

OK-03-071019-A

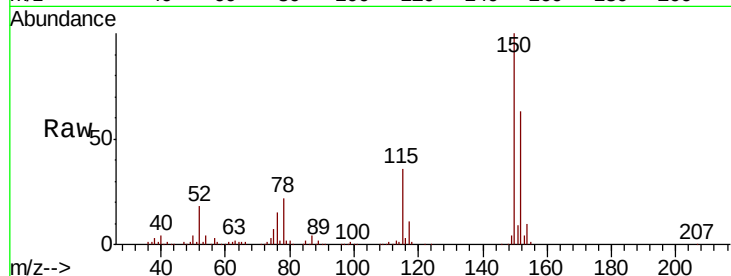
Tot Ion:152 Resp: 191240

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.4

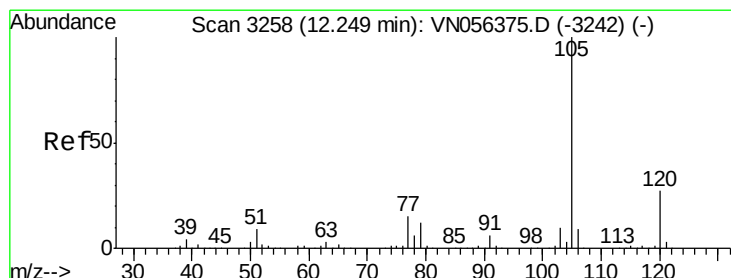
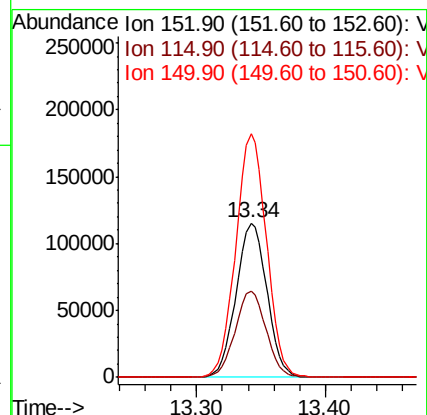
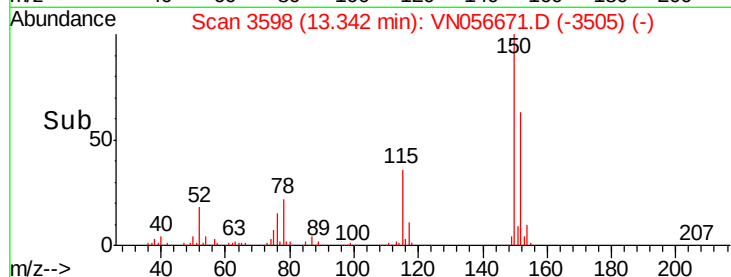
150 157.5 0.0 348.4



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN056671.D

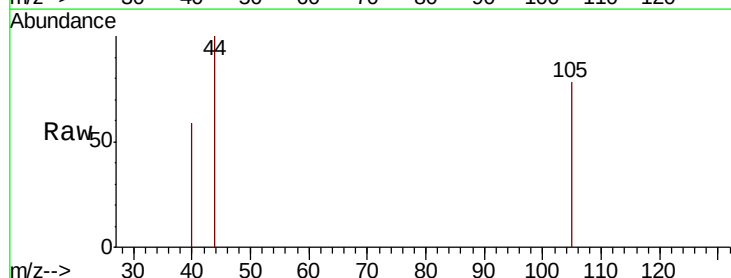
Acq: 11 Jul 2019 17:42

Tgt Ion:105 Resp: 521

Ion Ratio Lower Upper

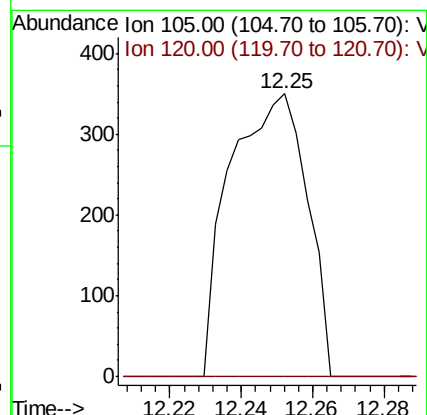
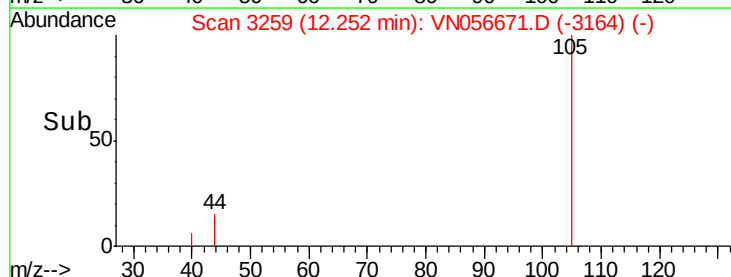
105 100

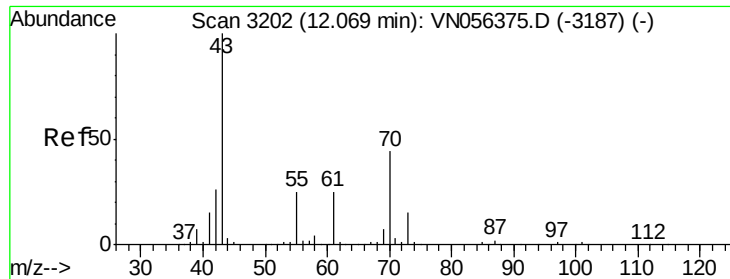
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.231 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

OK-03-071019-A

Tot Ion: 43 Resp: 13580

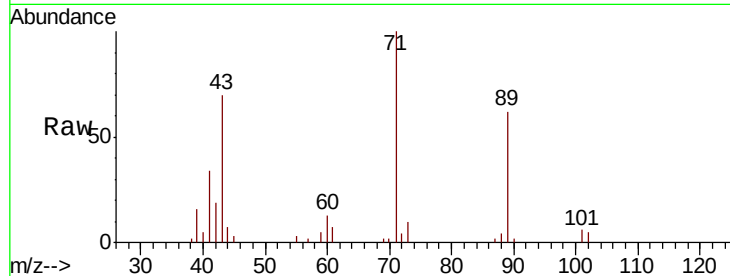
Ion Ratio Lower Upper

43 100

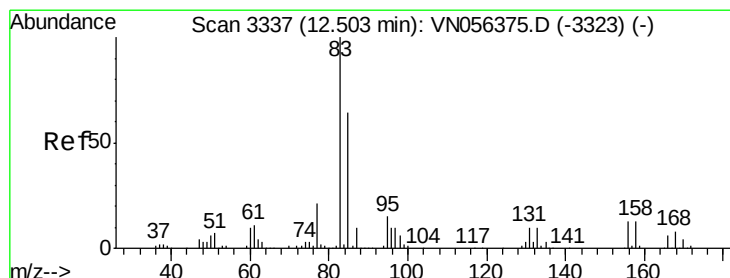
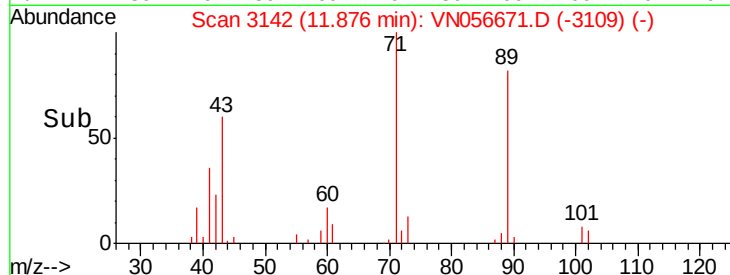
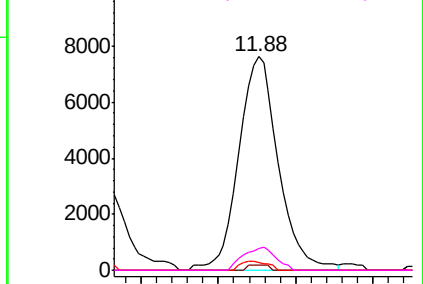
70 1.3 34.9 52.3#

55 2.9 20.4 30.6#

61 8.9 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

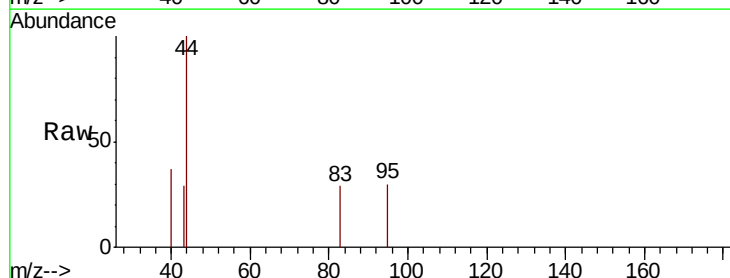
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

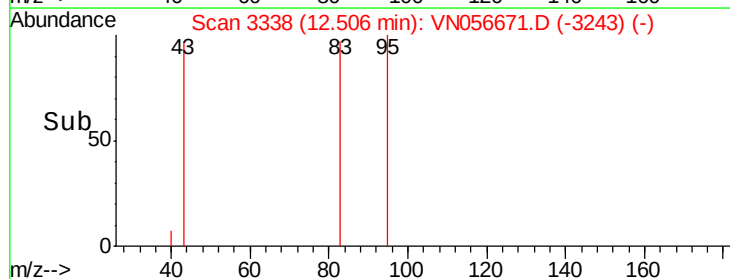
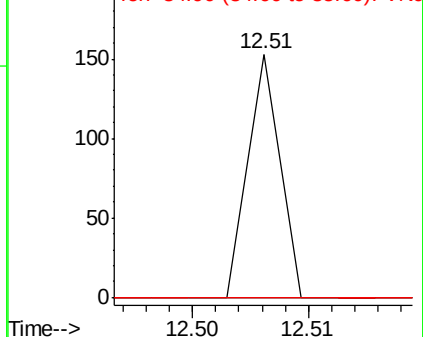
83 100

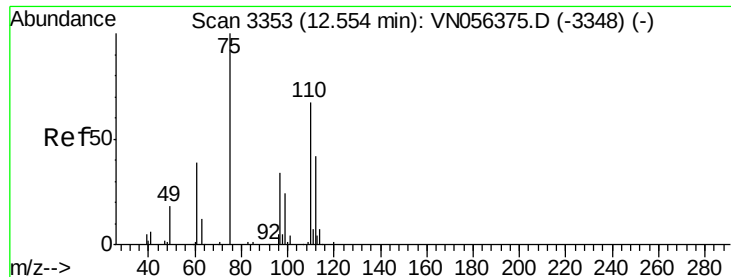
131 0.0 5.3 15.8#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 26.123 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

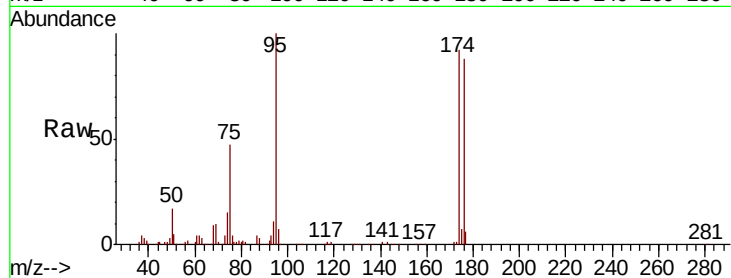
OK-03-071019-A

Tot Ion: 75 Resp: 103589

Ion Ratio Lower Upper

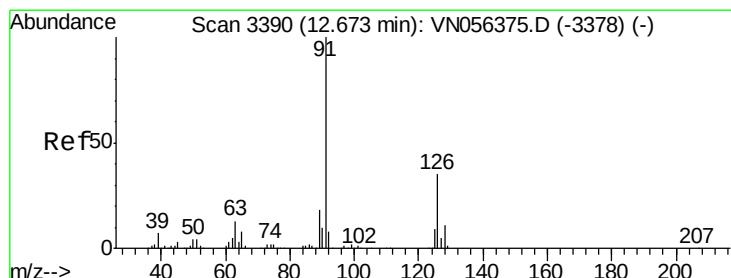
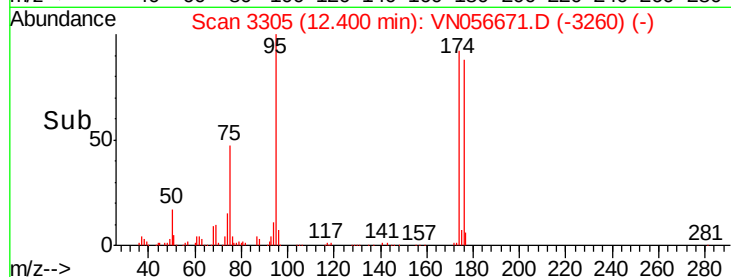
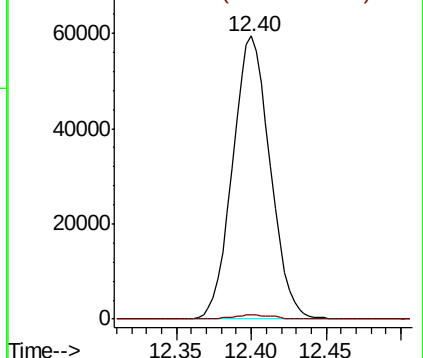
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3420

Delta R.T. 0.10 min

Lab File: VN056671.D

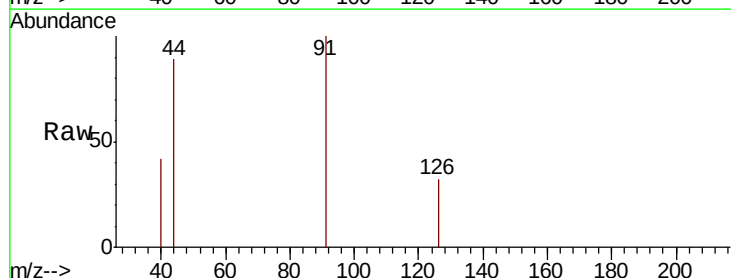
Acq: 11 Jul 2019 17:42

Tgt Ion: 91 Resp: 970

Ion Ratio Lower Upper

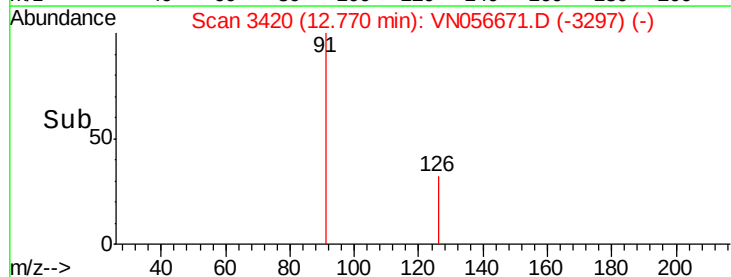
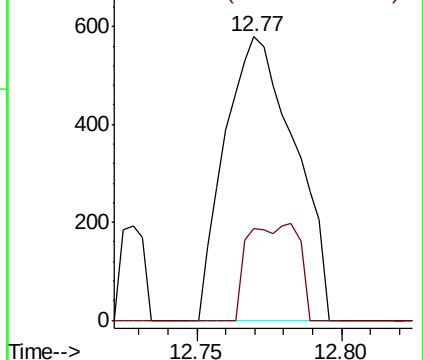
91 100

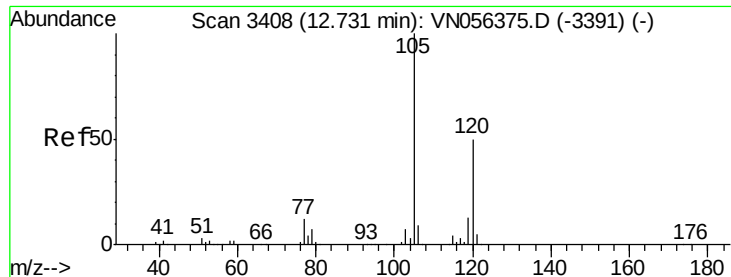
126 25.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

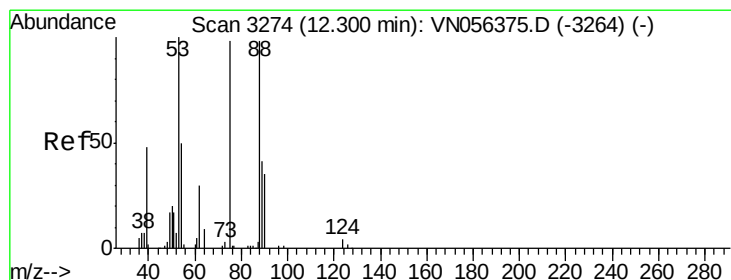
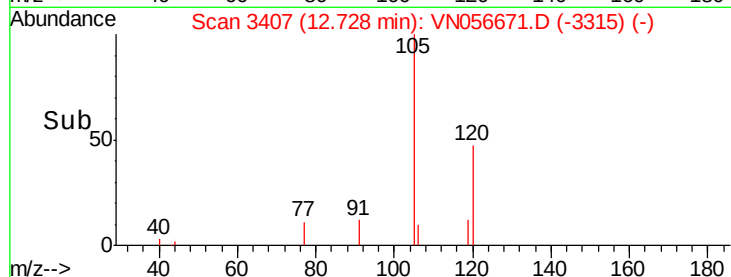
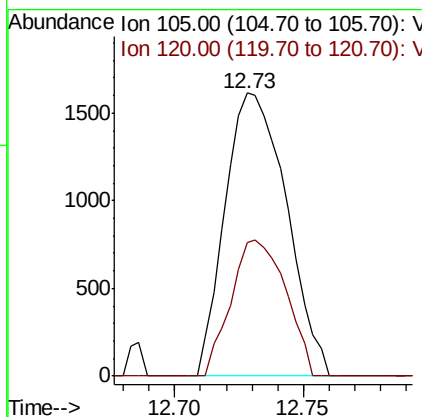
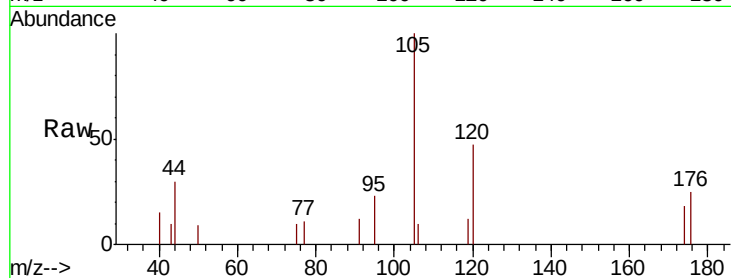




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

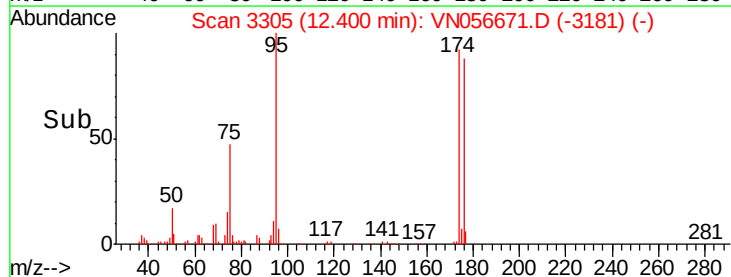
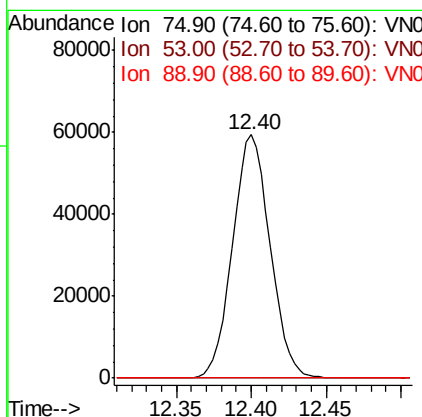
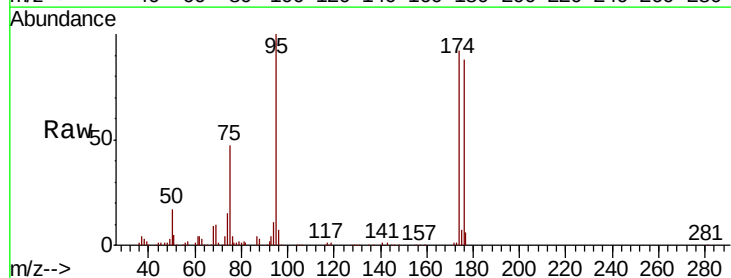
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

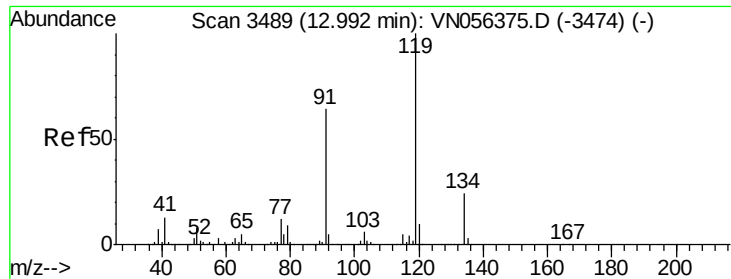
Tot Ion:105 Resp: 2673
 Ion Ratio Lower Upper
 105 100
 120 43.0 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.846 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Tgt Ion: 75 Resp: 103589
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 35.0 52.6#

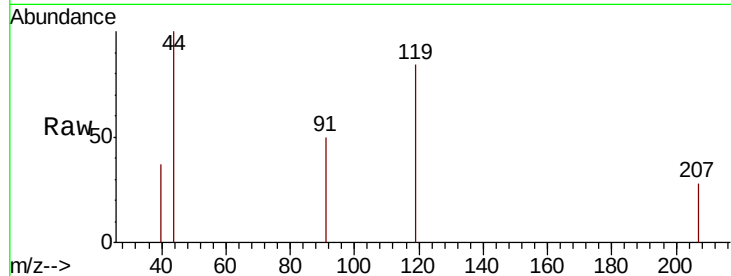




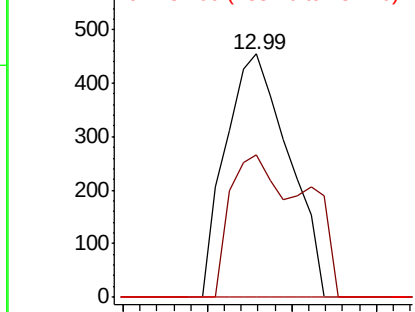
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

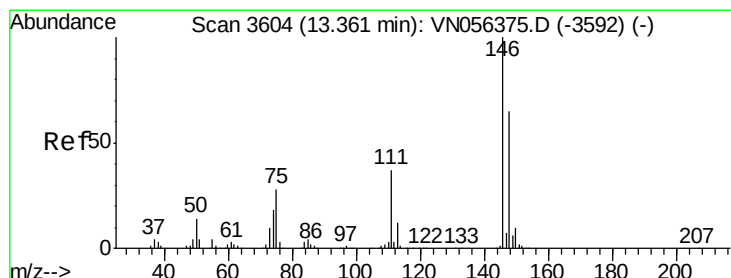
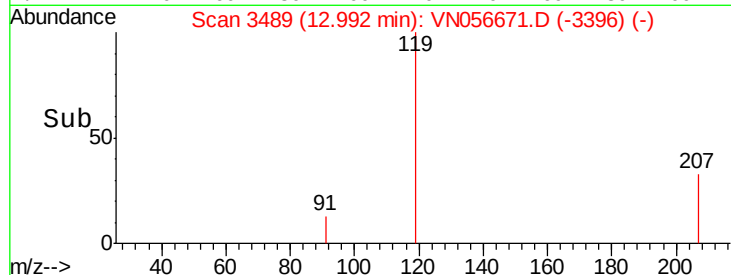
Tot Ion:119 Resp: 472
 Ion Ratio Lower Upper
 119 100
 91 69.7 31.6 94.7
 134 0.0 13.2 39.5#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

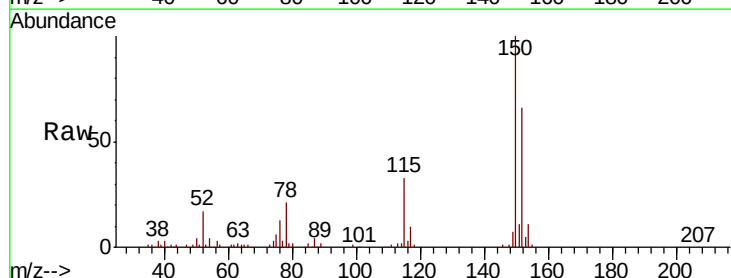


Time--> 12.96 12.98 13.00 13.02

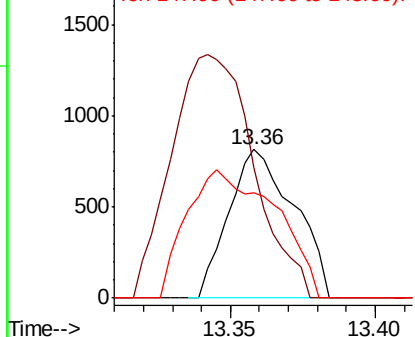


#88
 1,4-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

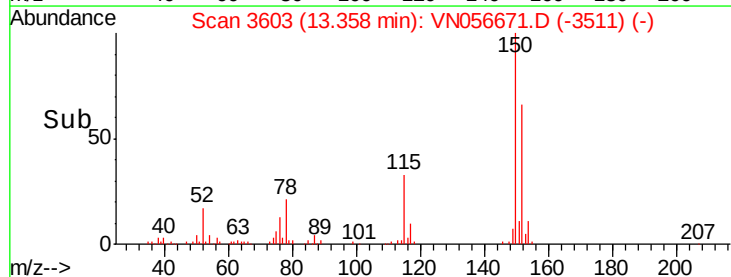
Tgt Ion:146 Resp: 1273
 Ion Ratio Lower Upper
 146 100
 111 206.9 18.4 55.4#
 148 117.9 32.4 97.0#

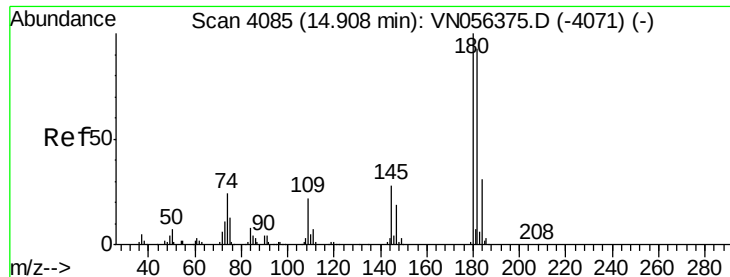


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



Time--> 13.35 13.40

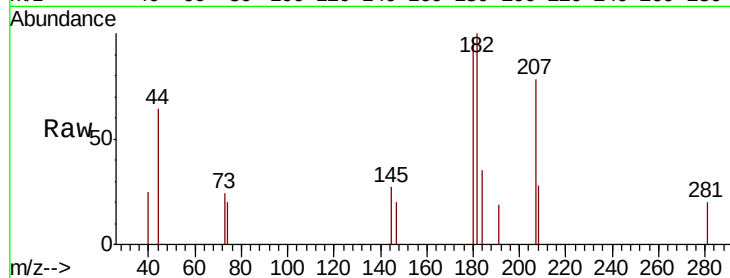




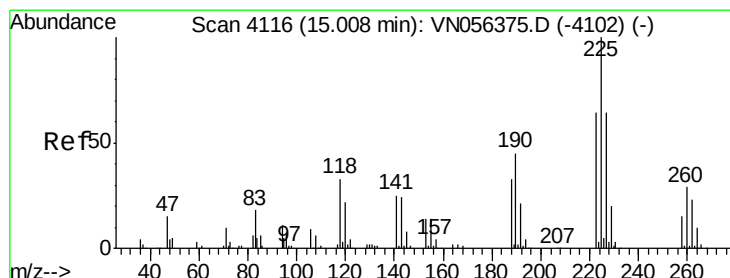
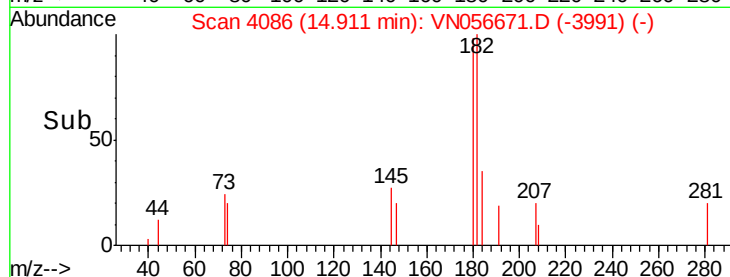
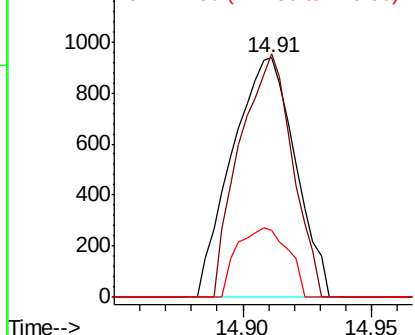
#93
 1,2,4-Trichlorobenzene
 Concen: 6.038 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-071019-A

Tot Ion:180 Resp: 1598
 Ion Ratio Lower Upper
 180 100
 182 85.0 46.9 140.6
 145 23.4 14.4 43.0

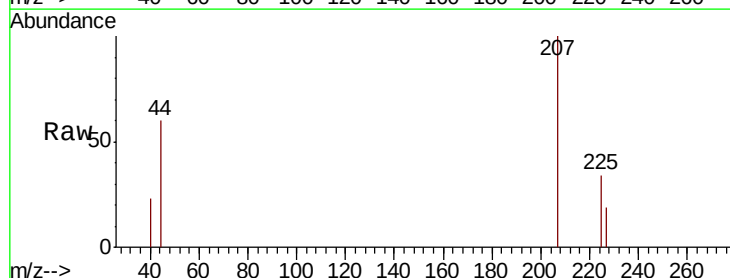


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

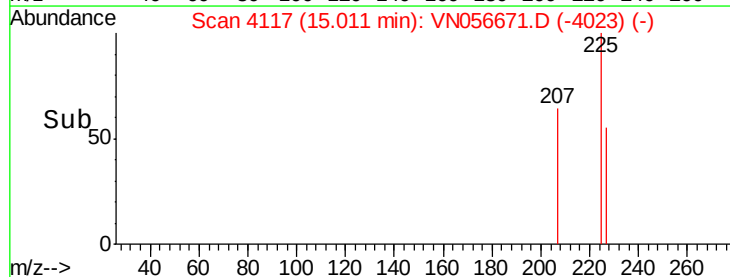
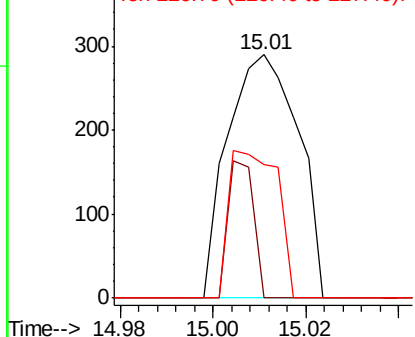


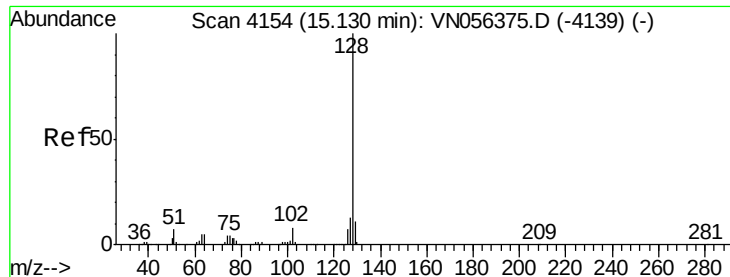
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056671.D
 Acq: 11 Jul 2019 17:42

Tgt Ion:225 Resp: 306
 Ion Ratio Lower Upper
 225 100
 223 20.3 31.4 94.3#
 227 41.8 32.1 96.3



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: 6.004 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

OK-03-071019-A

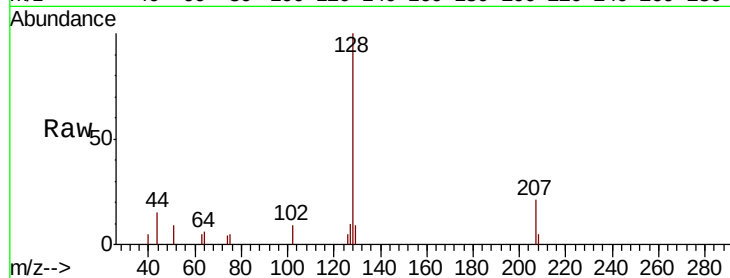
Tot Ion:128 Resp: 7423

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

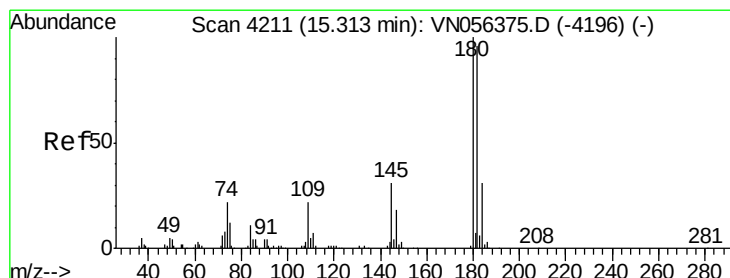
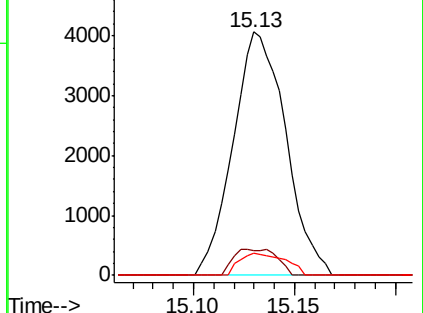
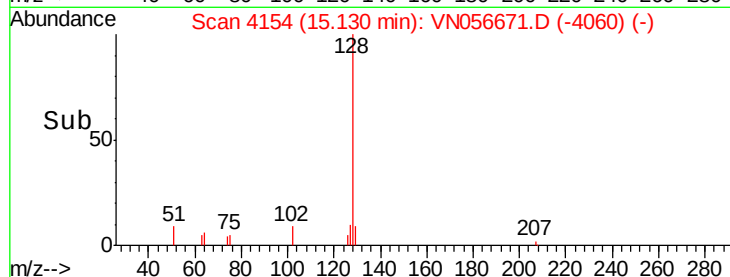
129 7.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.119 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056671.D

Acq: 11 Jul 2019 17:42

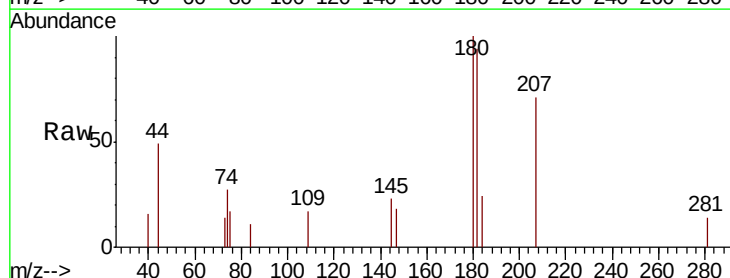
Tgt Ion:180 Resp: 2430

Ion Ratio Lower Upper

180 100

182 91.6 48.3 144.8

145 23.5 15.4 46.1



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

