

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056932.D
 Acq On : 25 Jul 2019 20:28
 Operator : JC/SP
 Sample : K3591-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Quant Time: Jul 26 04:55:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	668501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	549061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	237423	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.58	113	212024	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.08	98	763993	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	201963	38.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	3598	0.768	ug/l	94
3) Chloromethane	2.05	50	5863	1.047	ug/l	99
4) Vinyl Chloride	2.18	62	5111	0.969	ug/l	93
5) Bromomethane	2.55	94	4738	1.485	ug/l	99
6) Chloroethane	2.69	64	3186	1.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	6284	0.914	ug/l	92
8) Diethyl Ether	3.40	74	2845	1.105	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4452	1.054	ug/l	90
10) Methyl Iodide	3.93	142	5039	0.812	ug/l #	94
11) Tert butyl alcohol	4.72	59	3784	5.832	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	3741	0.917	ug/l	96
13) Acrolein	3.60	56	2378	6.540	ug/l	94
14) Allyl chloride	4.30	41	6502	0.982	ug/l #	91
15) Acrylonitrile	4.97	53	8146	4.363	ug/l #	85
16) Acetone	3.80	43	7538	4.908	ug/l	100
17) Carbon Disulfide	4.03	76	10376	0.945	ug/l	97
18) Methyl Acetate	4.31	43	7026	1.307	ug/l	93
19) Methyl tert-butyl Ether	5.02	73	6631	0.553	ug/l	96
20) Methylene Chloride	4.53	84	5762	1.185	ug/l	91
21) trans-1,2-Dichloroethene	5.02	96	4152	0.951	ug/l #	82
22) Diisopropyl ether	5.93	45	13186	0.978	ug/l #	90
23) Vinyl Acetate	5.88	43	40028	4.312	ug/l	99
24) 1,1-Dichloroethane	5.83	63	7317	0.924	ug/l #	87
25) 2-Butanone	6.83	43	10817	4.575	ug/l	97
26) 2,2-Dichloropropane	6.81	77	5072	0.873	ug/l	90
27) cis-1,2-Dichloroethene	6.81	96	4954	0.995	ug/l	96
28) Bromochloromethane	7.18	49	3837	1.050	ug/l #	83
29) Tetrahydrofuran	7.20	42	7427	4.794	ug/l	98
30) Chloroform	7.36	83	8690	1.066	ug/l	97
31) Cyclohexane	7.64	56	13916	1.806	ug/l #	50
32) 1,1,1-Trichloroethane	7.56	97	6275	0.961	ug/l #	50
36) 1,1-Dichloropropene	7.78	75	5815	0.951	ug/l	98
37) Ethyl Acetate	6.92	43	1123	0.227	ug/l #	41
38) Carbon Tetrachloride	7.76	117	5136	0.883	ug/l	86

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 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	6915	0.928	ug/l	97
40) Benzene	8.03	78	19249	1.010	ug/l	100
41) Methacrylonitrile	7.20	41	6749	3.099	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5933	1.008	ug/l	92
43) Isopropyl Acetate	8.15	43	7863	0.965	ug/l #	81
44) Trichloroethene	8.82	130	4518	0.869	ug/l	98
45) 1,2-Dichloropropane	9.11	63	4951	0.967	ug/l	100
46) Dibromomethane	9.20	93	3142	1.018	ug/l	94
47) Bromodichloromethane	9.39	83	5438	0.902	ug/l	89
48) Methyl methacrylate	9.19	41	3740	0.956	ug/l	95
49) 1,4-Dioxane	9.19	88	1386	16.923	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	22939	4.735	ug/l	97
52) Toluene	10.15	92	11436	1.000	ug/l	95
53) t-1,3-Dichloropropene	10.37	75	4838	0.796	ug/l #	85
54) cis-1,3-Dichloropropene	9.83	75	5871	0.820	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	4132	0.902	ug/l	95
56) Ethyl methacrylate	10.43	69	5302	0.861	ug/l	98
57) 1,3-Dichloropropane	10.70	76	6941	0.926	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	9140	3.765	ug/l	99
59) 2-Hexanone	10.75	43	14356	4.323	ug/l	98
60) Dibromochloromethane	10.90	129	3703	0.796	ug/l	97
61) 1,2-Dibromoethane	11.00	107	4051	0.891	ug/l	97
64) Tetrachloroethene	10.63	164	4883	0.974	ug/l #	89
65) Chlorobenzene	11.43	112	11070	0.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	3925	0.919	ug/l #	63
67) Ethyl Benzene	11.50	91	19033	0.962	ug/l	92
68) m/p-Xylenes	11.61	106	13427	1.821	ug/l	98
69) o-Xylene	11.94	106	6547	0.907	ug/l	91
70) Styrene	11.96	104	8819	0.771	ug/l	95
71) Bromoform	12.12	173	2466	0.831	ug/l #	85
73) Isopropylbenzene	12.24	105	16410	Below Cal		99
74) N-amyl acetate	12.07	43	5153	1.222	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5258	1.270	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	5019	1.588	ug/l #	100
77) Bromobenzene	12.52	156	4219	1.149	ug/l	98
78) n-propylbenzene	12.59	91	17387	1.146	ug/l	98
79) 2-Chlorotoluene	12.67	91	11157	1.181	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	13210	1.113	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	92054	91.848	ug/l #	13
82) 4-Chlorotoluene	12.77	91	9072	1.045	ug/l	93
83) tert-Butylbenzene	12.99	119	13362	1.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	12041	1.072	ug/l	97
85) sec-Butylbenzene	13.17	105	14174	1.072	ug/l	98
86) p-Isopropyltoluene	13.28	119	11935	1.022	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5526	1.006	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	5526	1.050	ug/l	96
89) n-Butylbenzene	13.61	91	8127	0.901	ug/l	100
90) Hexachloroethane	13.87	117	2052	0.992	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	5800	1.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	490	0.867	ug/l	89

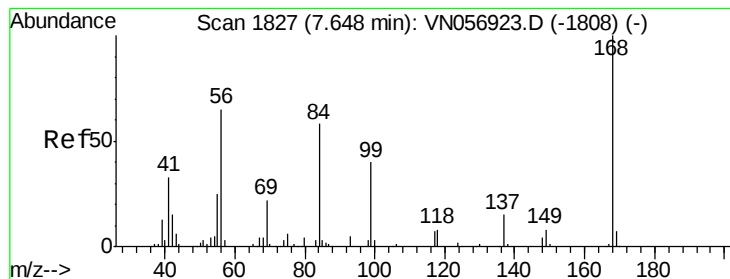
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Quant Title : SW846 8260
QLast Update : Fri Jul 26 04:47:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1964	0.854	ug/l	99
94) Hexachlorobutadiene	15.01	225	2757	1.227	ug/l	93
95) Naphthalene	15.12	128	4795	0.825	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	2090	0.837	ug/l	68

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

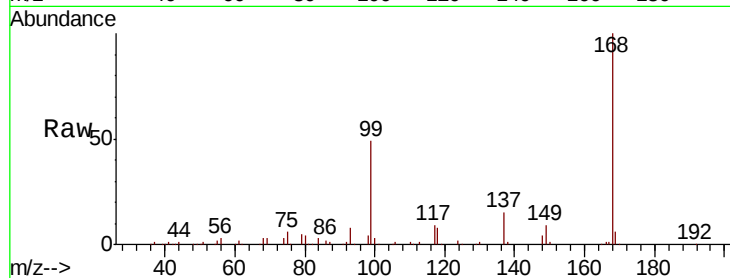
LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 434635

Ion Ratio Lower Upper

168 100

99 49.4 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

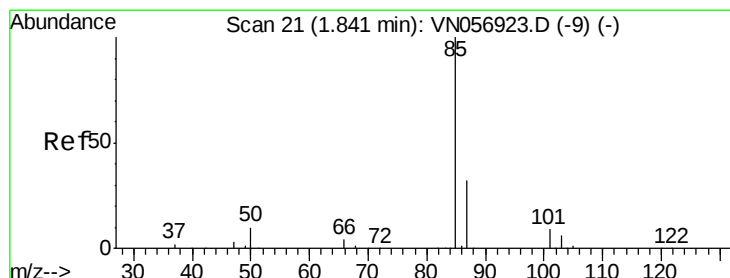
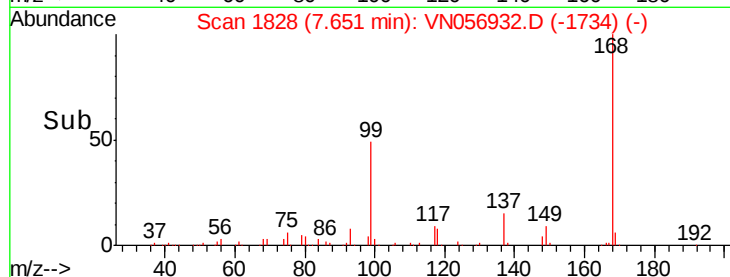
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.768 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN056932.D

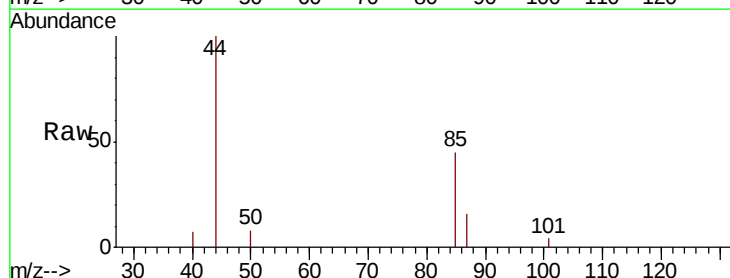
Acq: 25 Jul 2019 20:28

Tgt Ion: 85 Resp: 3598

Ion Ratio Lower Upper

85 100

87 35.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

3000

2500

2000

1500

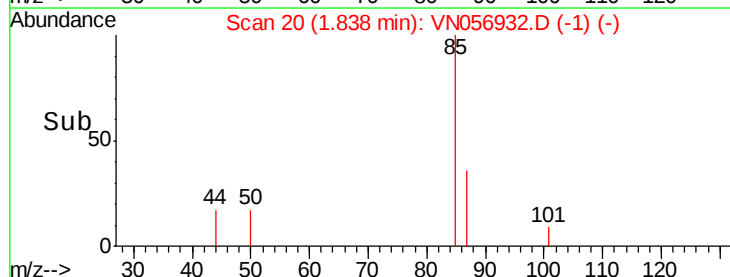
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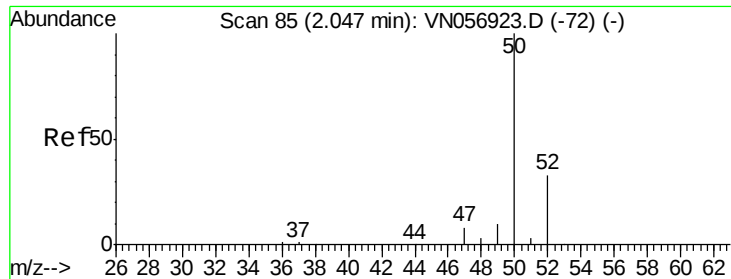
500

0

1.80 1.85

Time-->

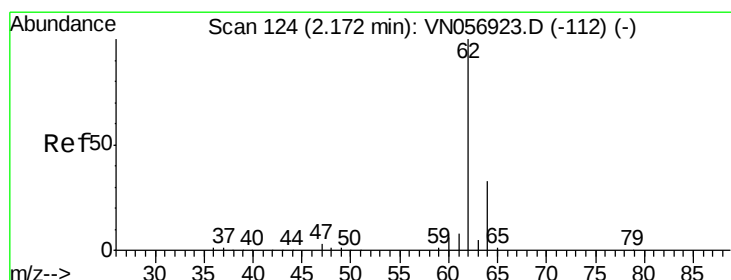
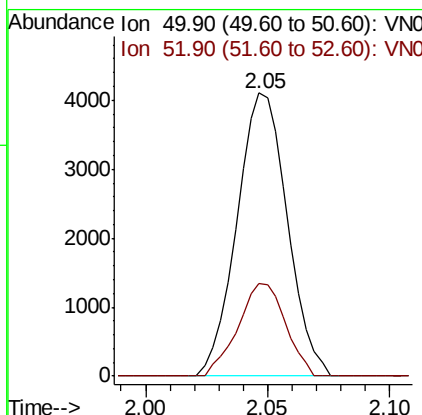
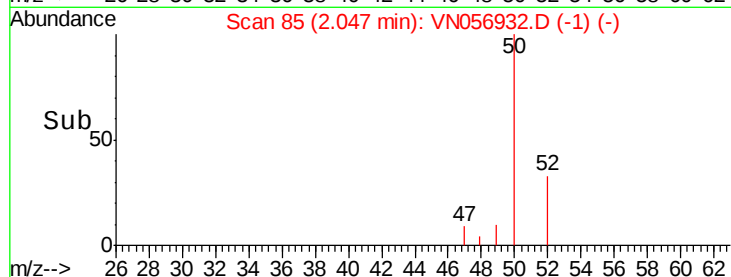
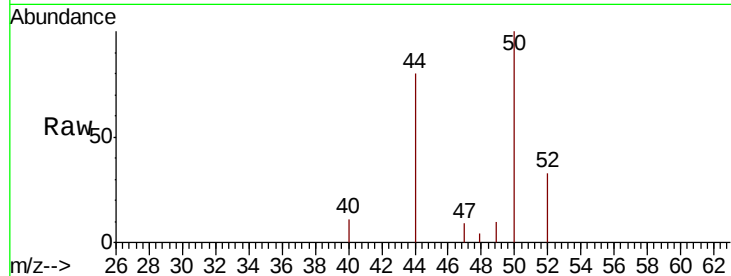




#3
 Chloromethane
 Concen: 1.047 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

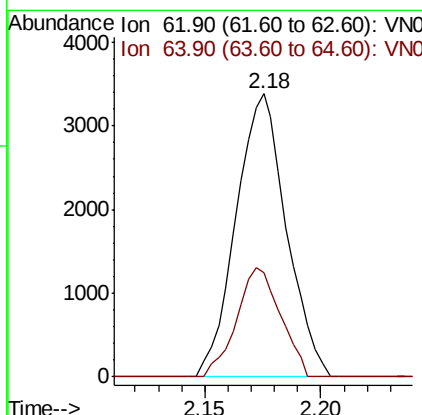
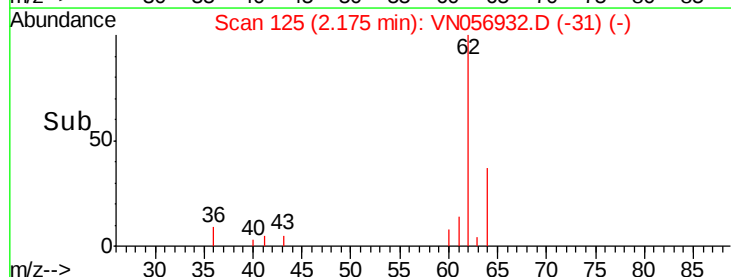
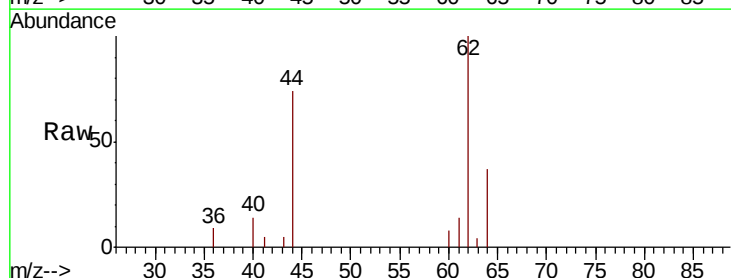
Instrument :
 MSVOA_N
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 LOQ-WATER-02-QT3-2019

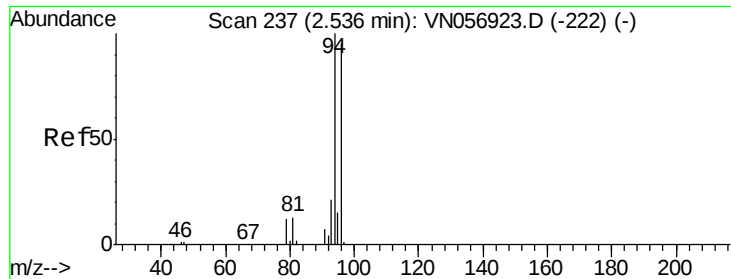
Tot Ion: 50 Resp: 5863
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.8 40.2



#4
 Vinyl Chloride
 Concen: 0.969 ug/l
 RT: 2.18 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 62 Resp: 5111
 Ion Ratio Lower Upper
 62 100
 64 36.9 26.4 39.6





#5

Bromomethane

Concen: 1.485 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

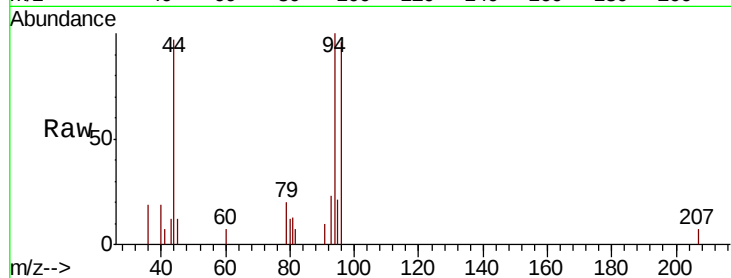
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 4738

Ion Ratio Lower Upper

94 100

96 96.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2500

2000

1500

1000

500

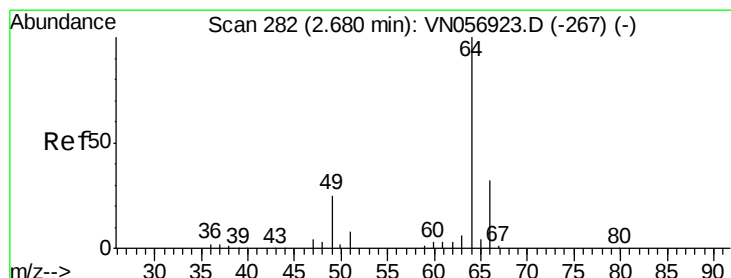
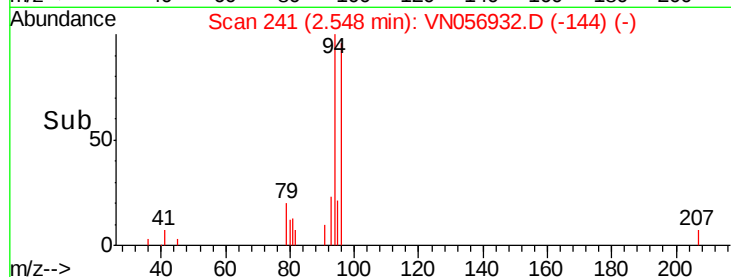
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 1.088 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056932.D

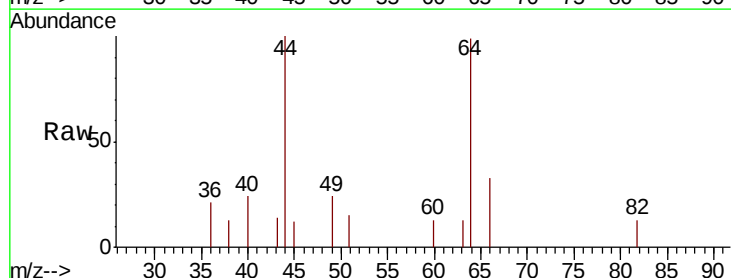
Acq: 25 Jul 2019 20:28

Tgt Ion: 64 Resp: 3186

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

1500

1000

500

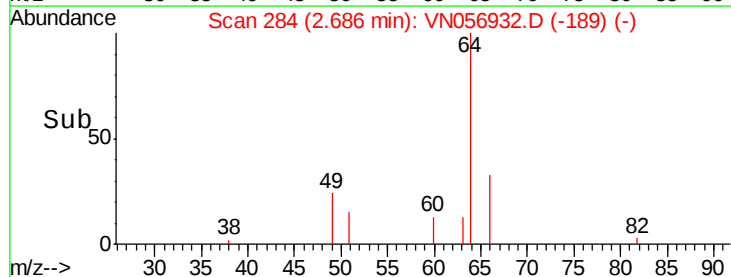
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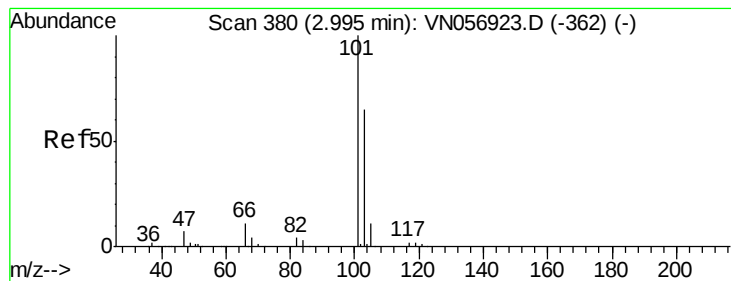
Time-->

2.65

2.70

2.75





#7

Trichlorofluoromethane

Concen: 0.914 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

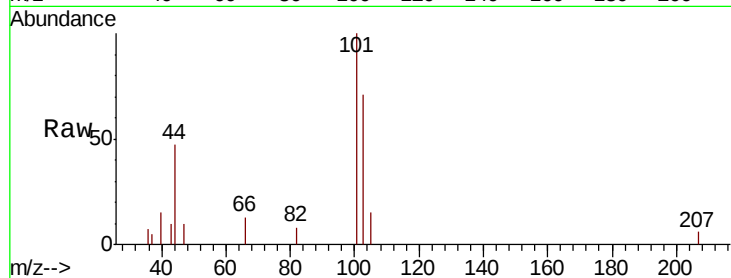
LOQ-WATER-02-QT3-2019

Tot Ion:101 Resp: 6284

Ion Ratio Lower Upper

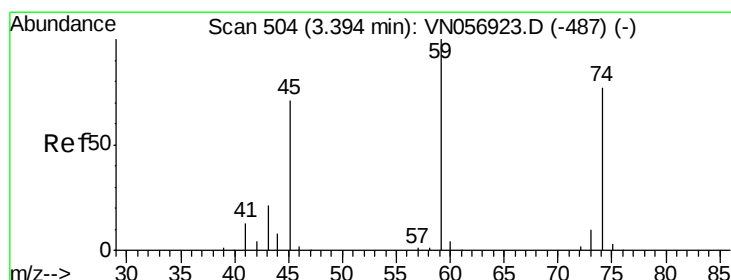
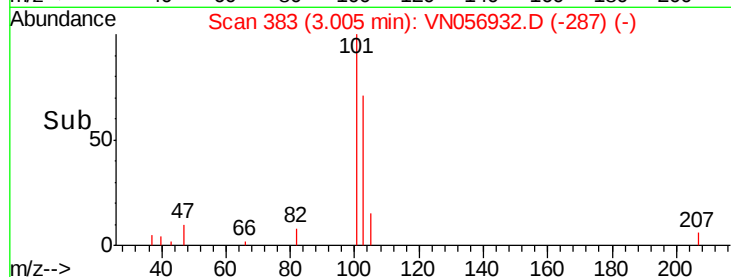
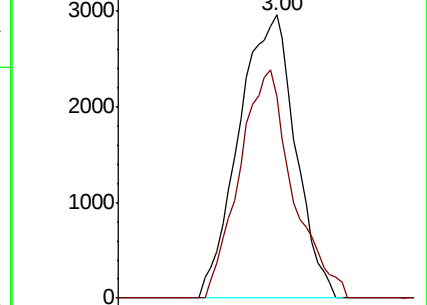
101 100

103 71.2 52.0 78.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.105 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.01 min

Lab File: VN056932.D

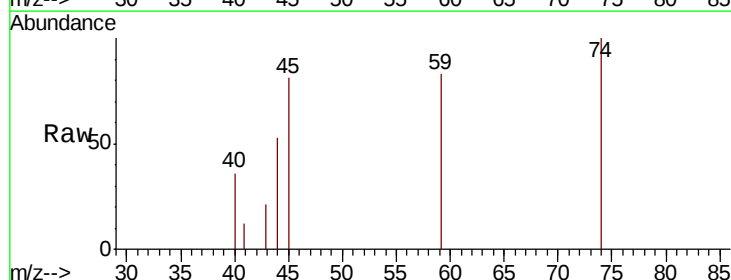
Acq: 25 Jul 2019 20:28

Tgt Ion: 74 Resp: 2845

Ion Ratio Lower Upper

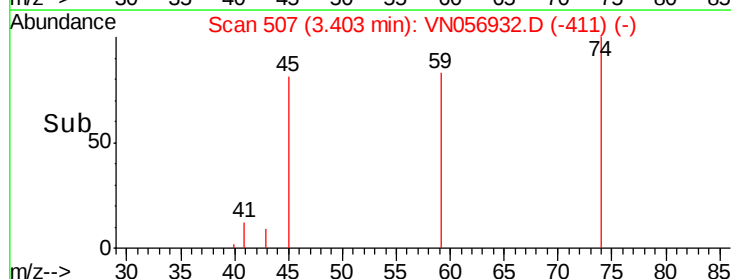
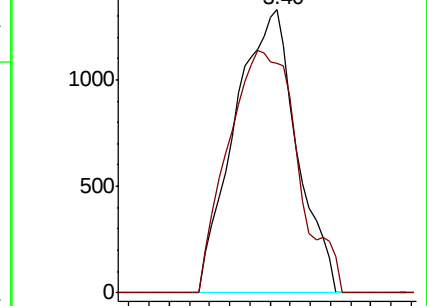
74 100

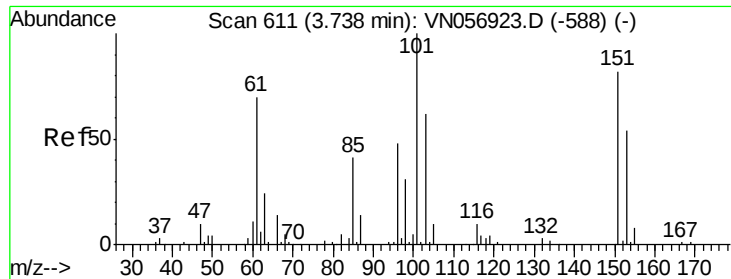
45 96.2 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.054 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

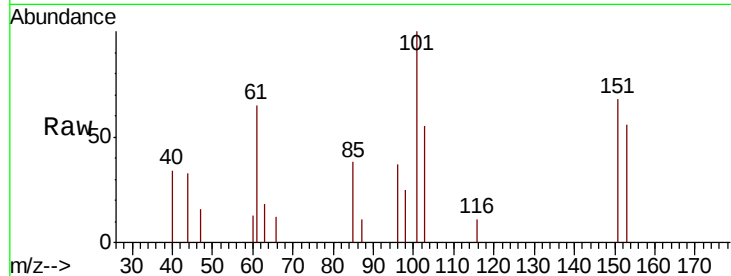
Tot Ion:101 Resp: 4452

Ion Ratio Lower Upper

101 100

85 38.6 32.7 49.1

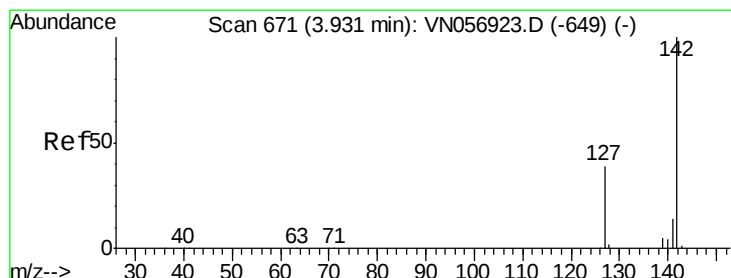
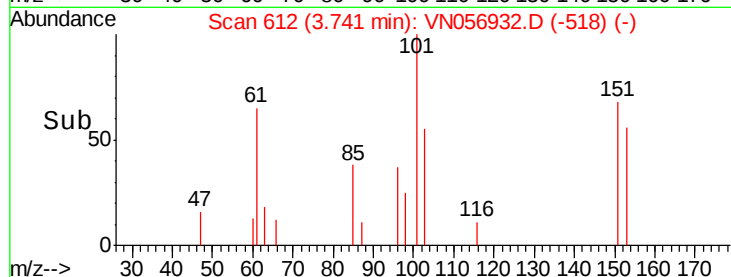
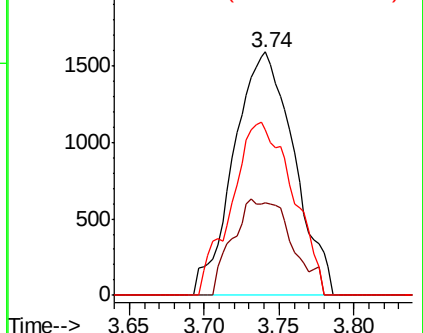
151 72.5 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.812 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

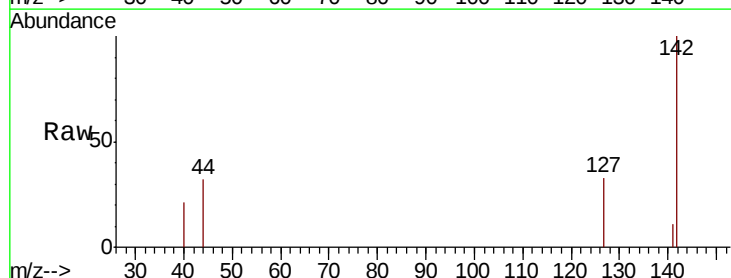
Tgt Ion:142 Resp: 5039

Ion Ratio Lower Upper

142 100

127 35.8 30.5 45.7

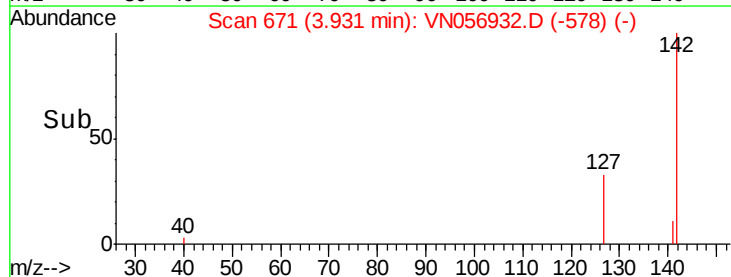
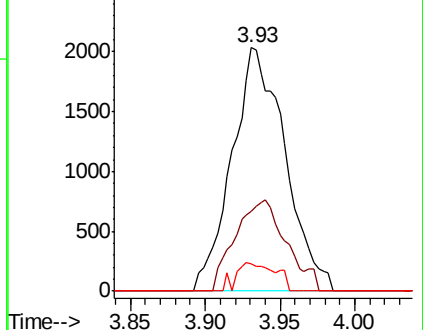
141 8.7 11.1 16.7#

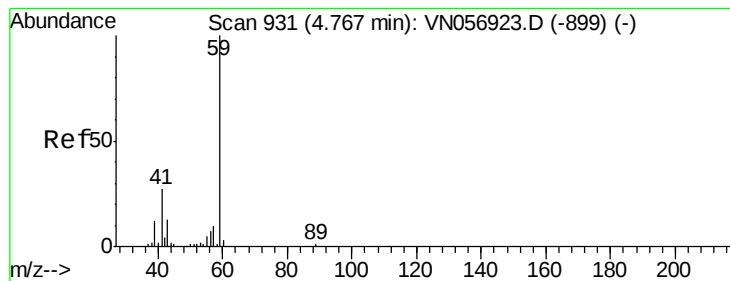


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



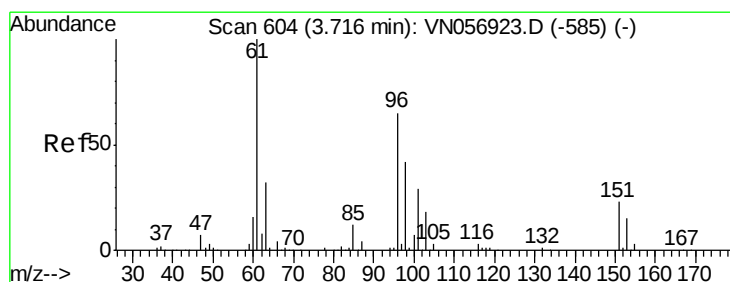
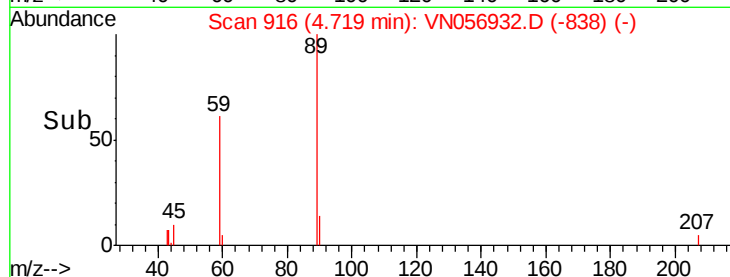
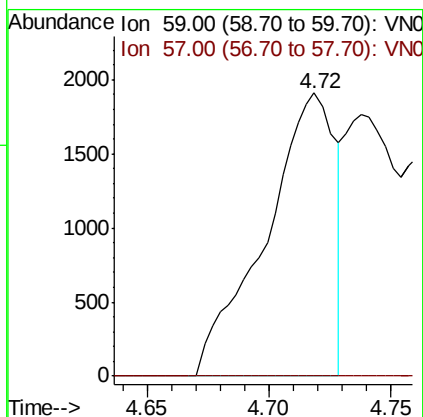
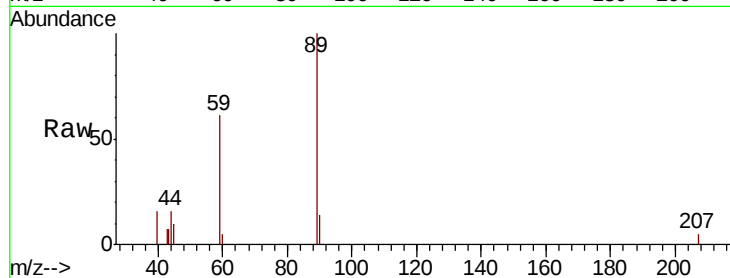


#11

Tert butyl alcohol
 Concen: 5.832 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.05 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

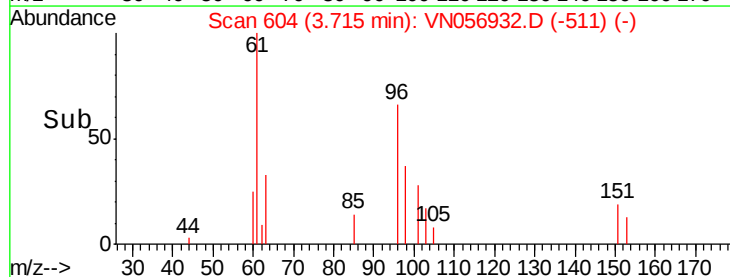
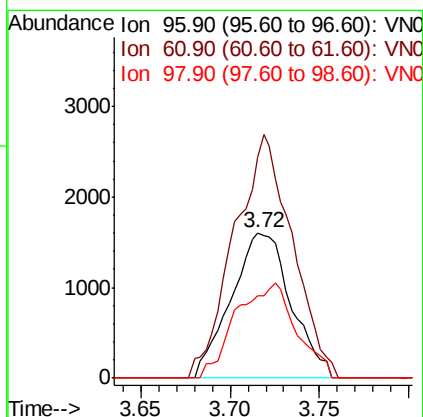
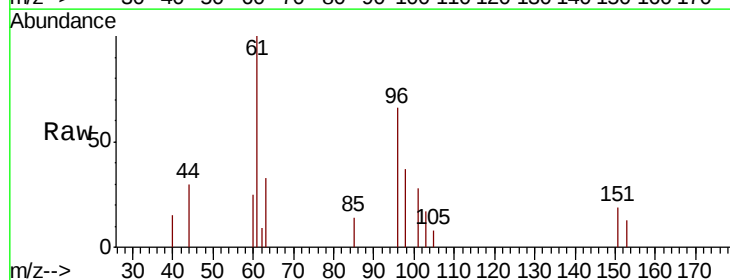
Tot Ion: 59 Resp: 3784
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

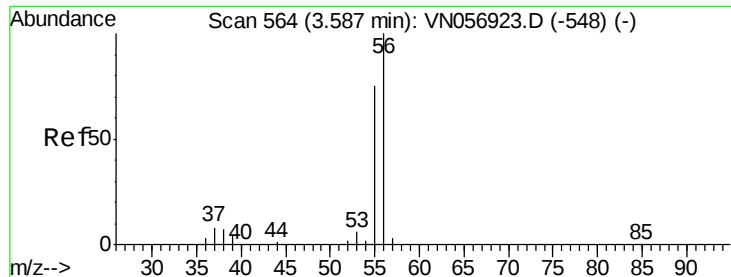


#12

1,1-Dichloroethene
 Concen: 0.917 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 96 Resp: 3741
 Ion Ratio Lower Upper
 96 100
 61 151.6 122.4 183.6
 98 56.5 51.3 76.9





#13

Acrolein

Concen: 6.540 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

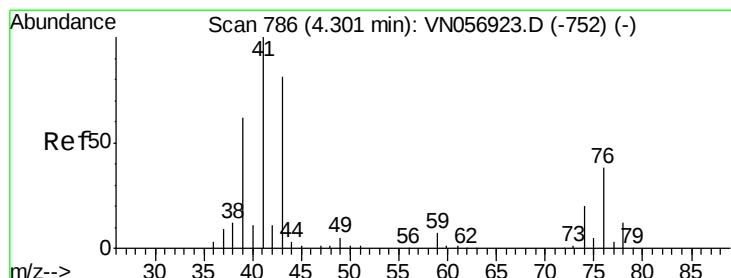
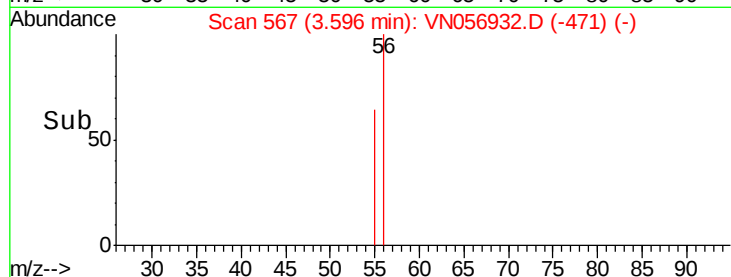
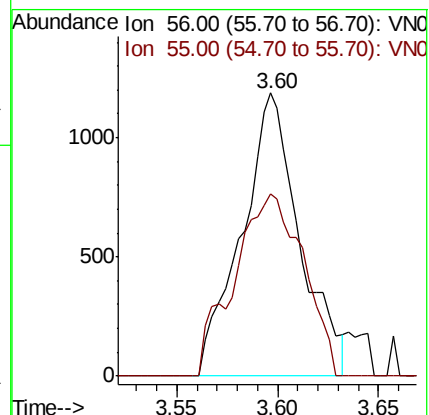
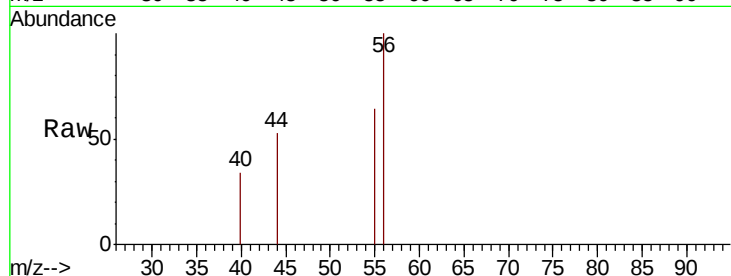
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 2378

Ion Ratio Lower Upper

56 100

55 76.7 57.5 86.3



#14

Allyl chloride

Concen: 0.982 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

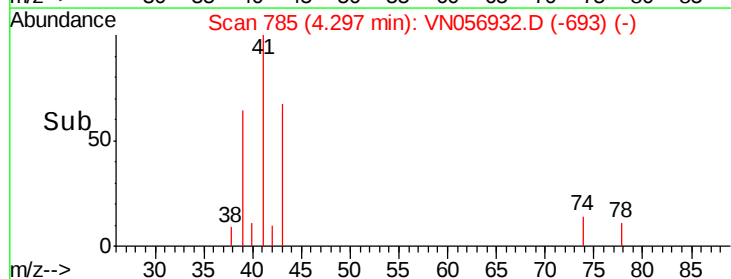
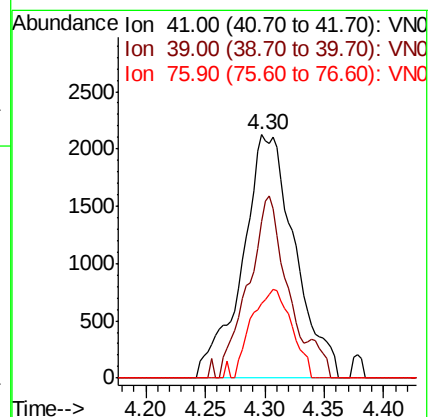
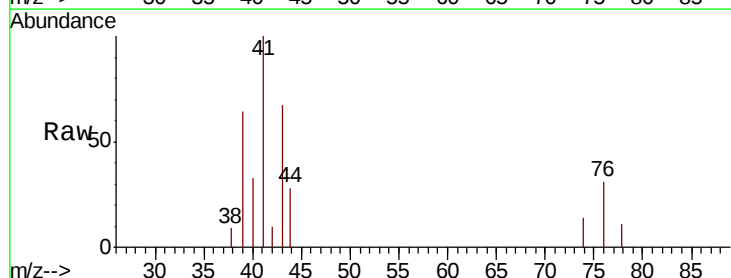
Tgt Ion: 41 Resp: 6502

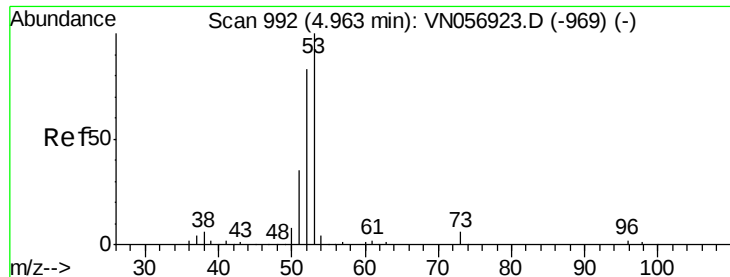
Ion Ratio Lower Upper

41 100

39 53.9 47.5 71.3

76 27.7 28.0 42.0#





#15

Acrylonitrile

Concen: 4.363 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

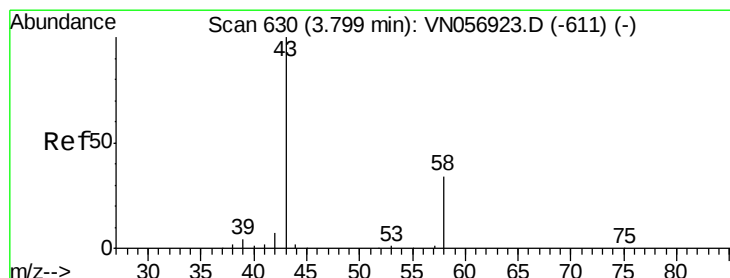
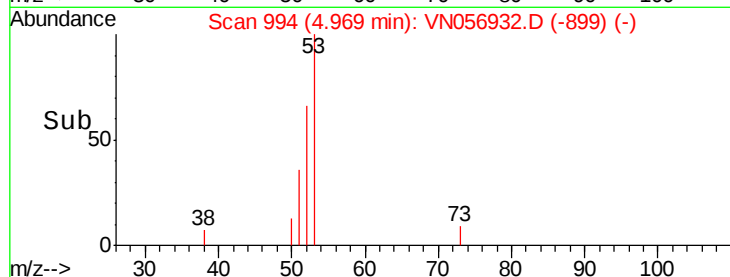
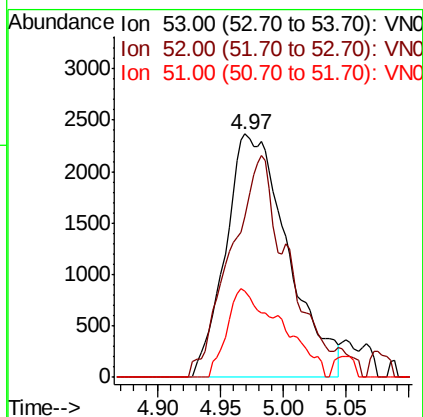
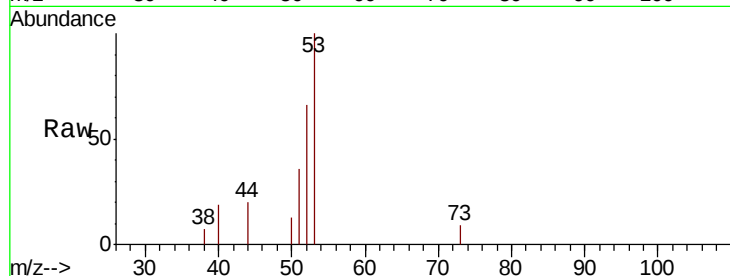
Tot Ion: 53 Resp: 8146

Ion Ratio Lower Upper

53 100

52 64.8 65.5 98.3#

51 32.1 28.1 42.1



#16

Acetone

Concen: 4.908 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056932.D

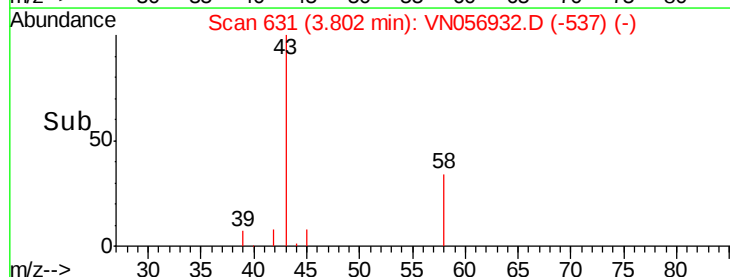
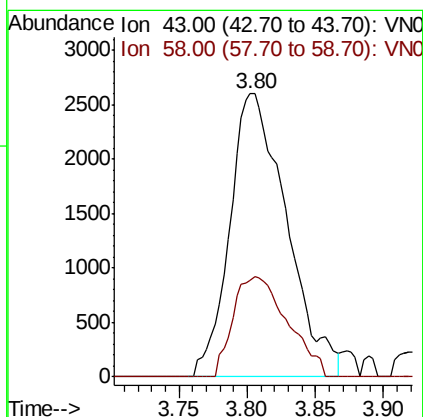
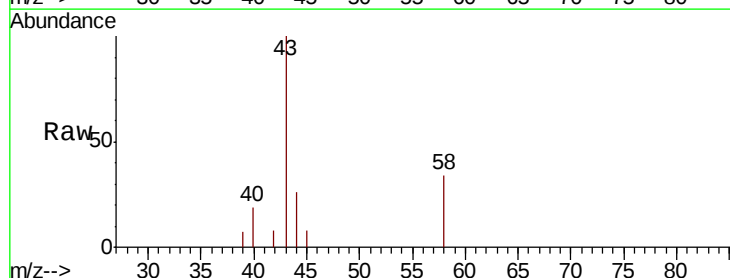
Acq: 25 Jul 2019 20:28

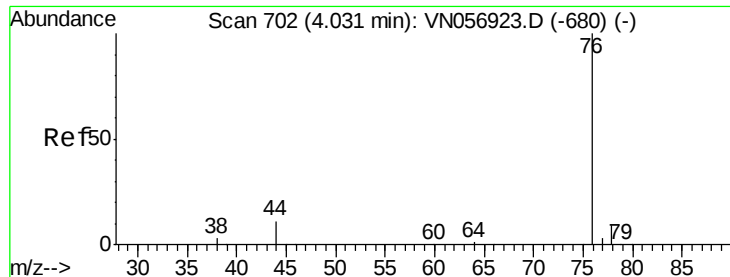
Tgt Ion: 43 Resp: 7538

Ion Ratio Lower Upper

43 100

58 34.3 27.3 40.9

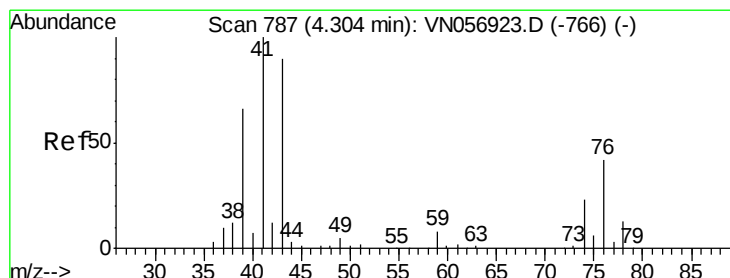
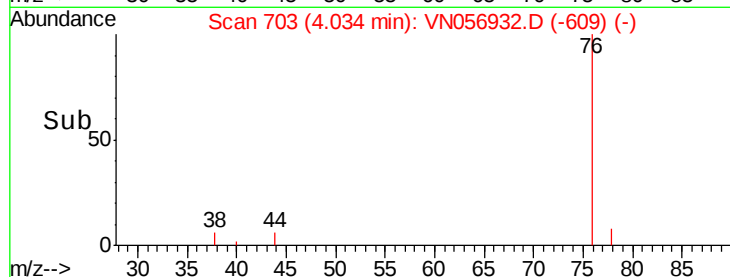
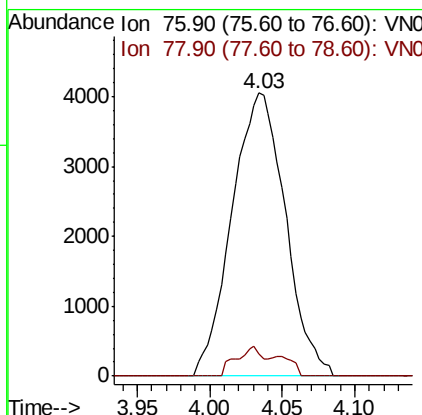
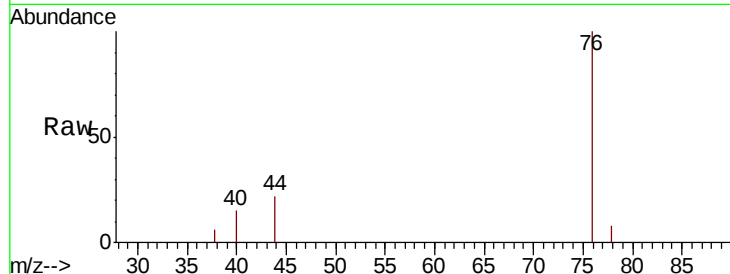




#17
Carbon Disulfide
Concen: 0.945 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

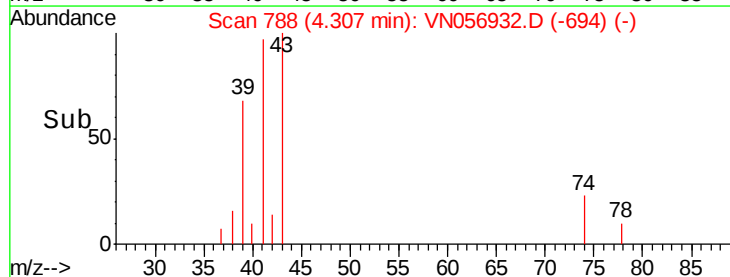
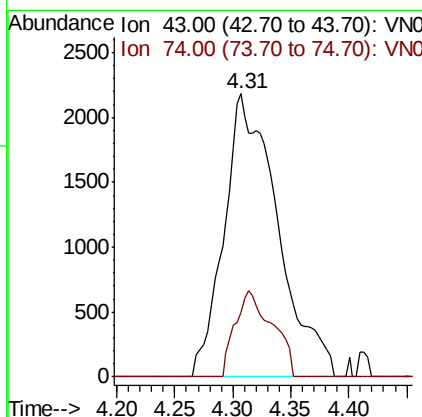
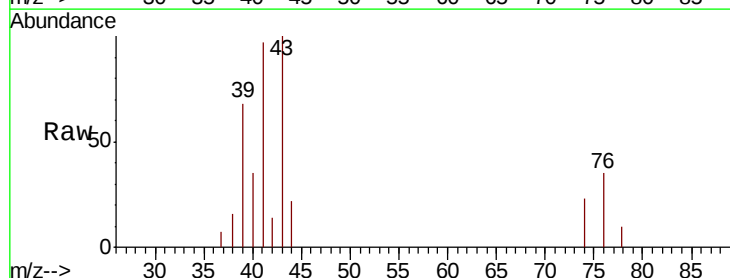
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

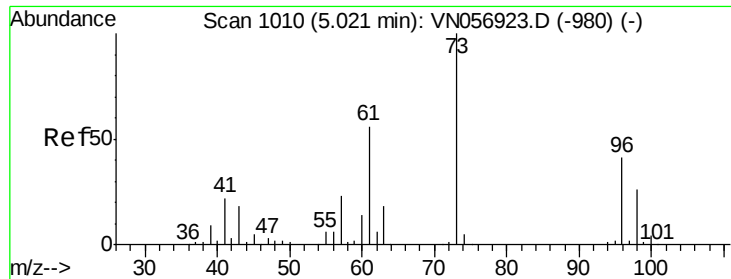
Tot Ion: 76 Resp: 10376
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9



#18
Methyl Acetate
Concen: 1.307 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 43 Resp: 7026
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.0

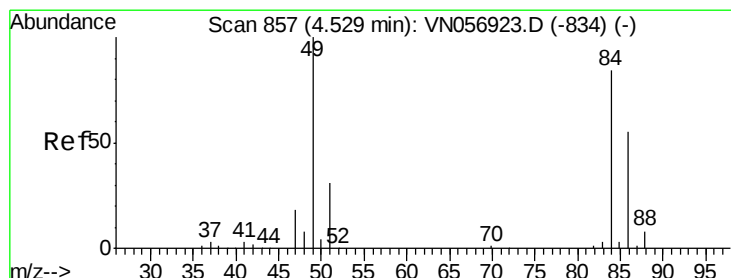
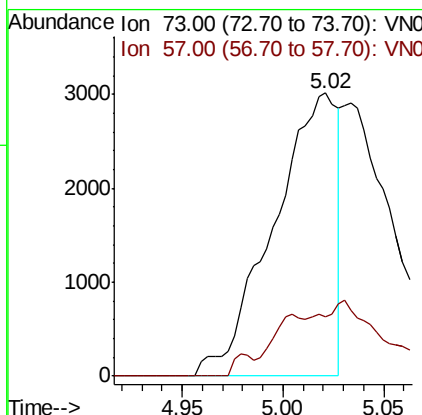
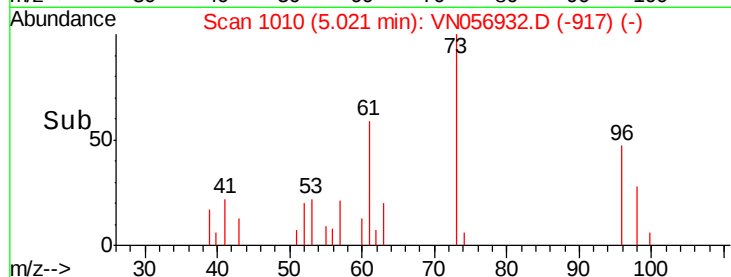
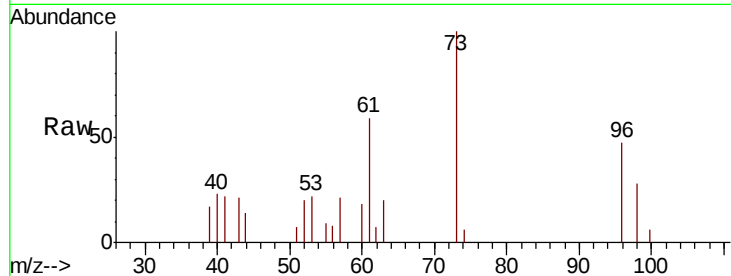




#19
Methvl tert-butvl Ether
Concen: 0.553 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

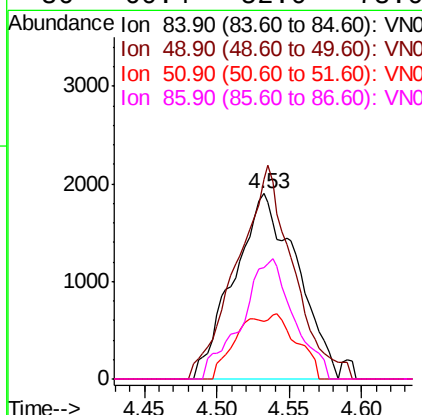
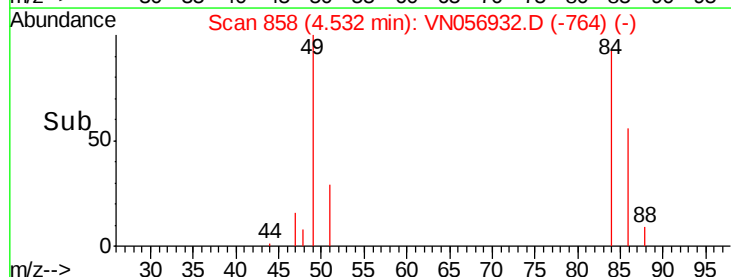
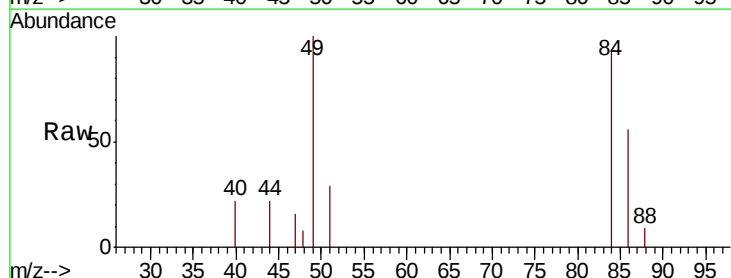
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

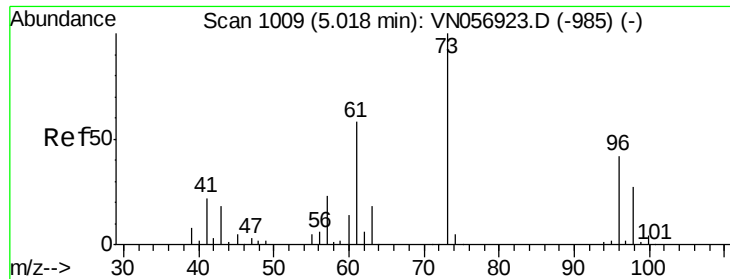
Tot Ion: 73 Resp: 6631
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.4



#20
Methylene Chloride
Concen: 1.185 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 84 Resp: 5762
Ion Ratio Lower Upper
84 100
49 107.8 95.0 142.6
51 31.2 29.8 44.8
86 60.4 52.0 78.0

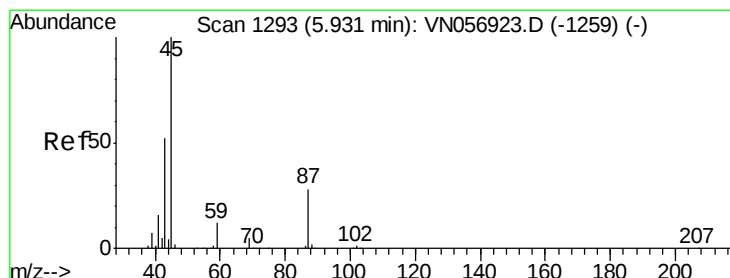
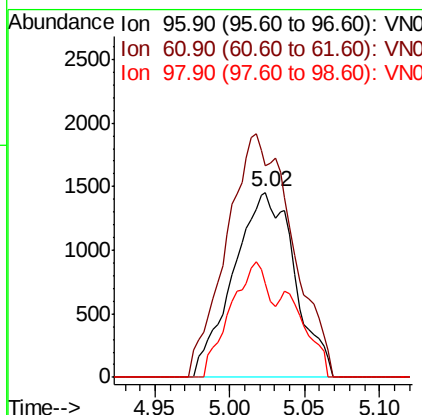
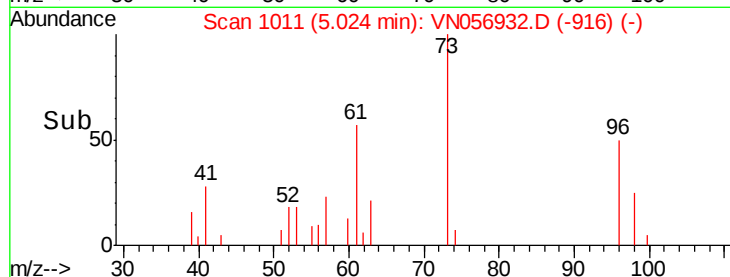
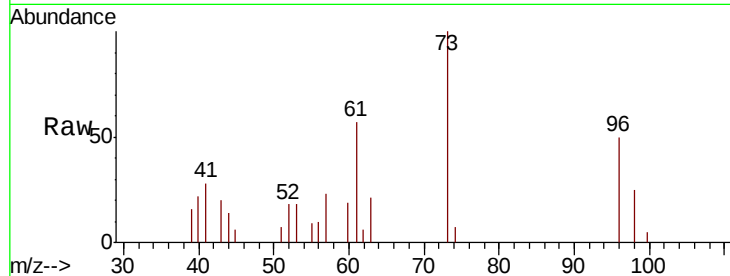




#21
trans-1,2-Dichloroethene
Concen: 0.951 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

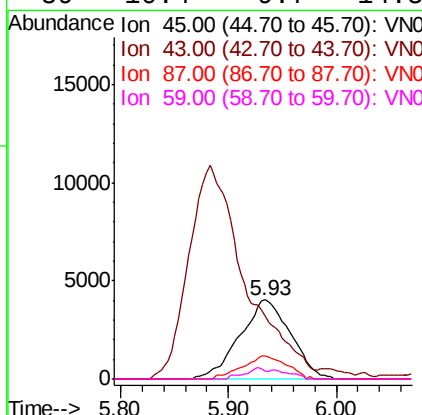
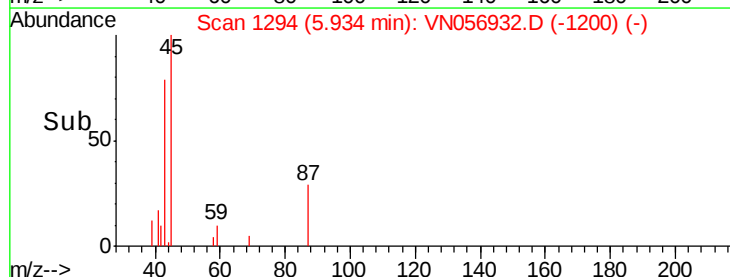
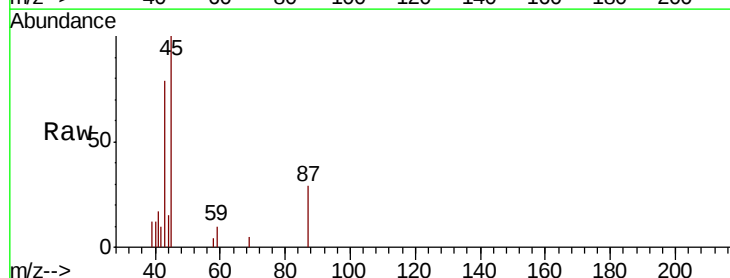
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

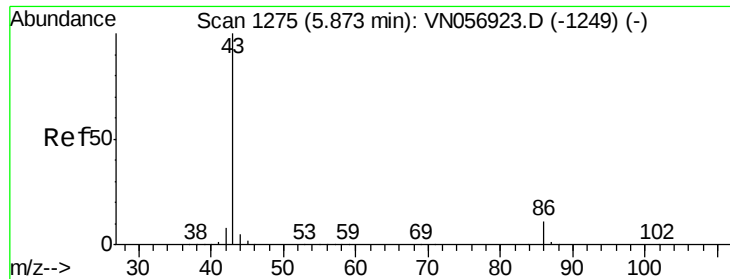
Tot Ion: 96 Resp: 4152
Ion Ratio Lower Upper
96 100
61 114.5 109.9 164.9
98 50.7 51.0 76.4#



#22
Diisopropyl ether
Concen: 0.978 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 45 Resp: 13186
Ion Ratio Lower Upper
45 100
43 68.3 44.7 67.1#
87 28.7 23.1 34.7
59 10.4 9.7 14.5

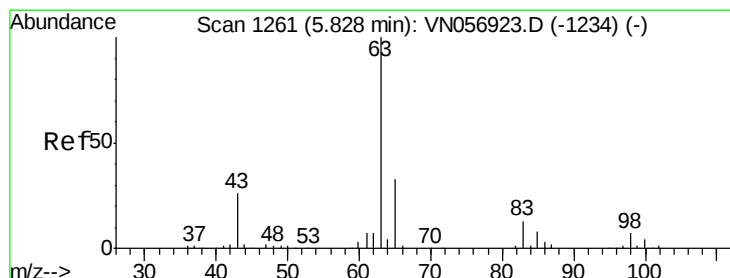
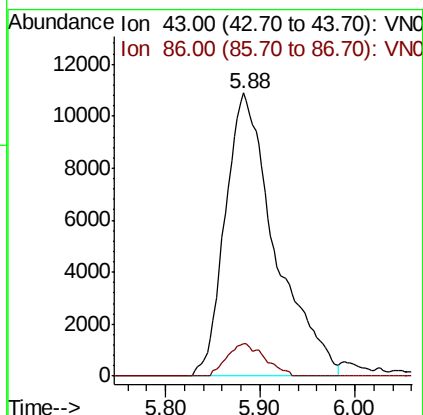
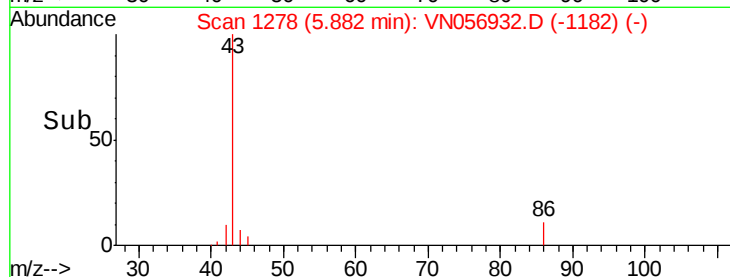
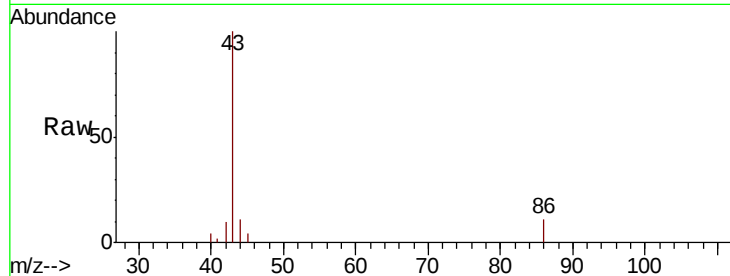




#23
 Vinyl Acetate
 Concen: 4.312 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

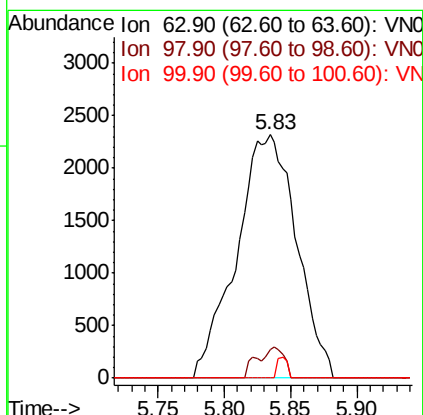
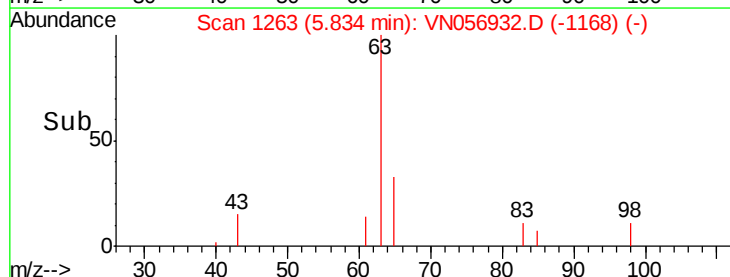
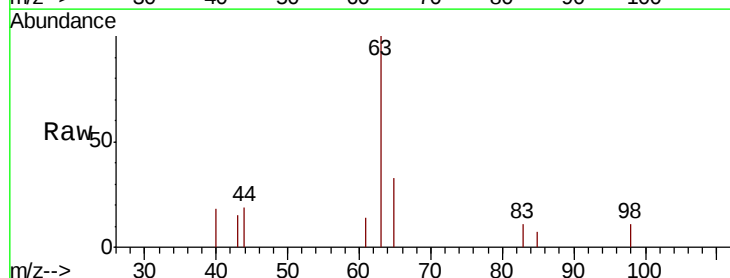
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

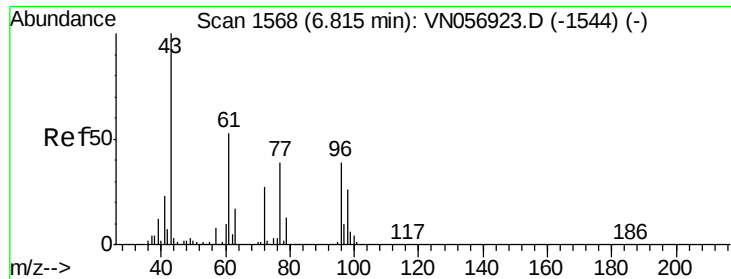
Tot Ion: 43 Resp: 40028
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 0.924 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 63 Resp: 7317
 Ion Ratio Lower Upper
 63 100
 98 11.5 3.4 10.1#
 100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 4.575 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

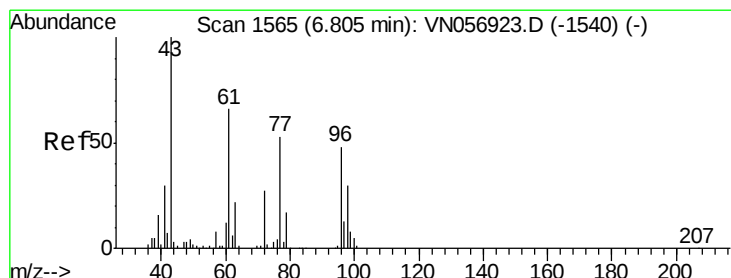
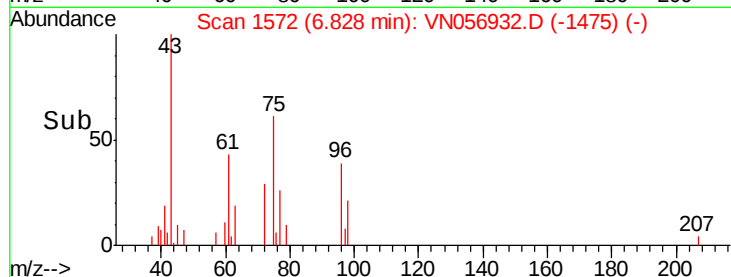
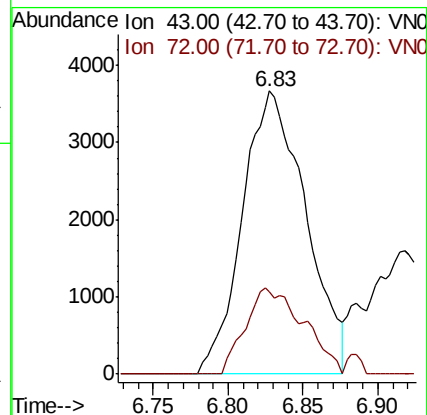
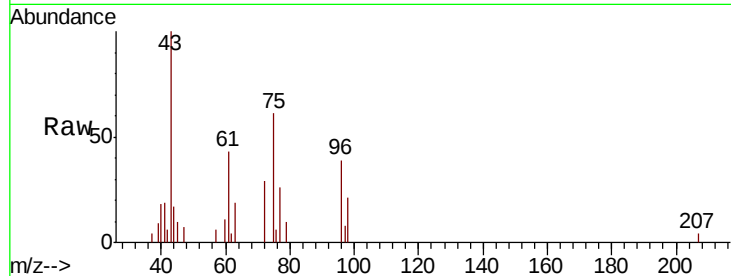
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 10817

Ion Ratio Lower Upper

43 100

72 29.0 21.9 32.9



#26

2,2-Dichloropropane

Concen: 0.873 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN056932.D

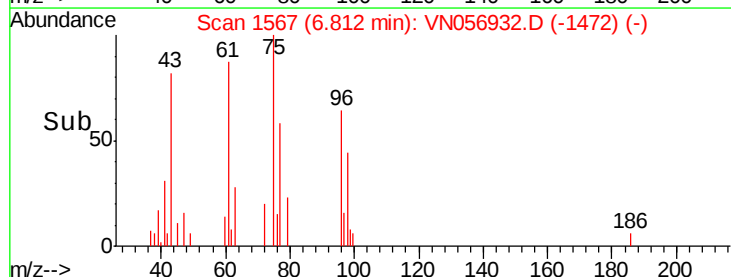
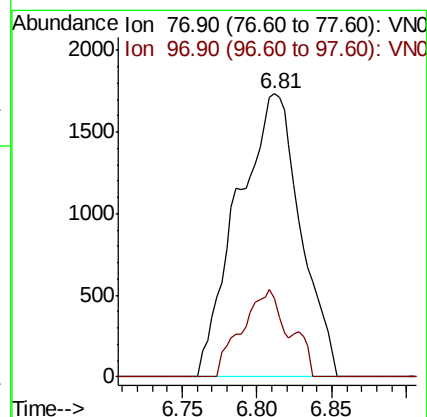
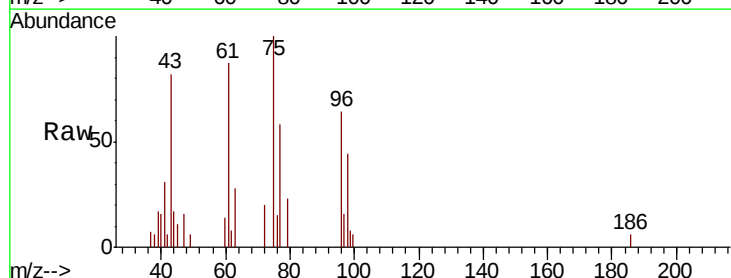
Acq: 25 Jul 2019 20:28

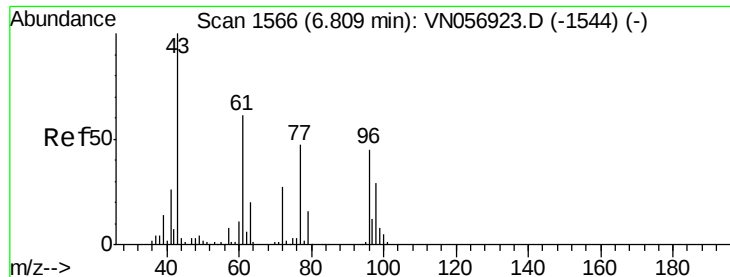
Tgt Ion: 77 Resp: 5072

Ion Ratio Lower Upper

77 100

97 19.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 0.995 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

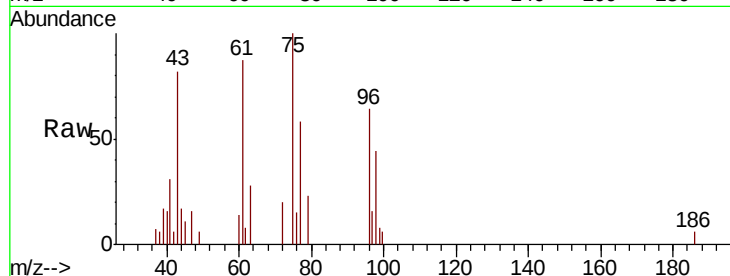
Tot Ion: 96 Resp: 4954

Ion Ratio Lower Upper

96 100

61 144.9 0.0 278.8

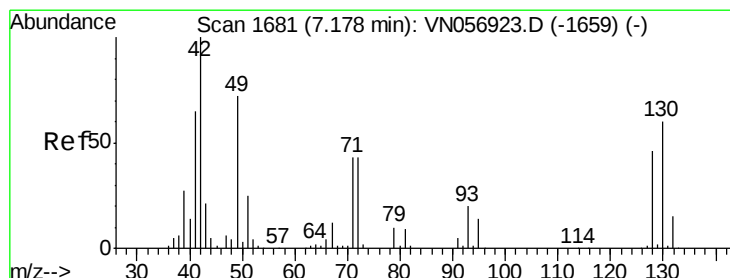
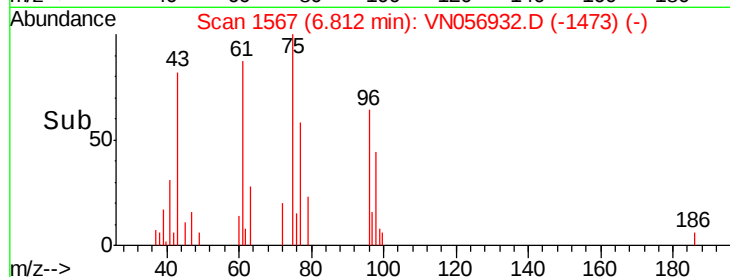
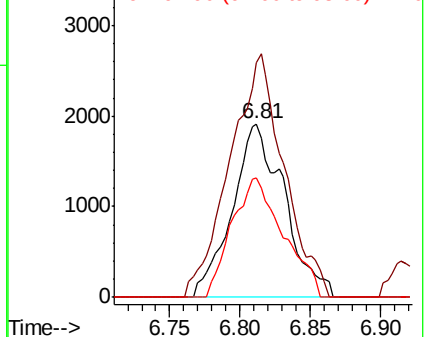
98 67.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.050 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

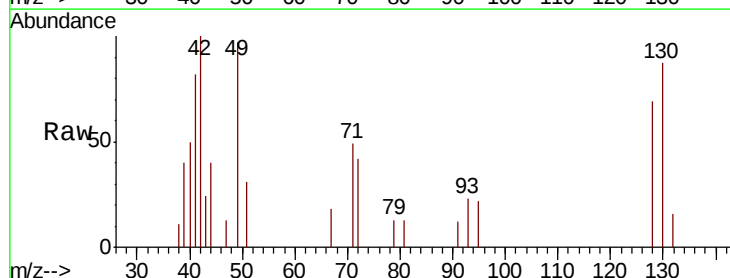
Tgt Ion: 49 Resp: 3837

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

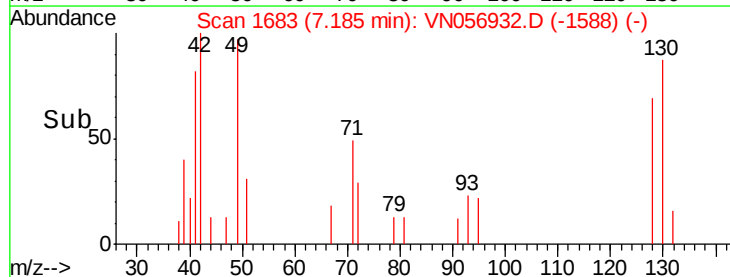
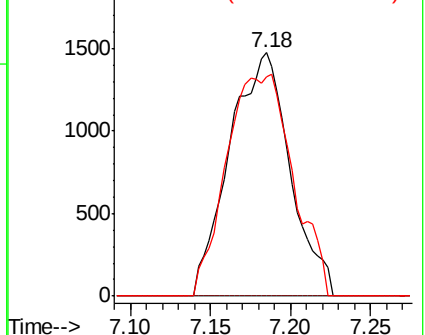
130 99.9 67.3 100.9

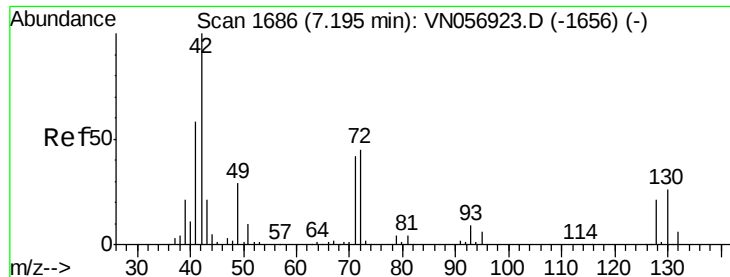


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

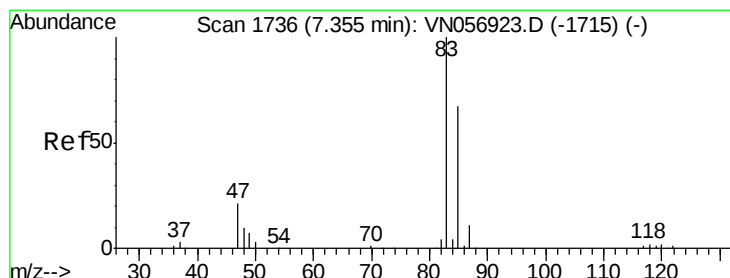
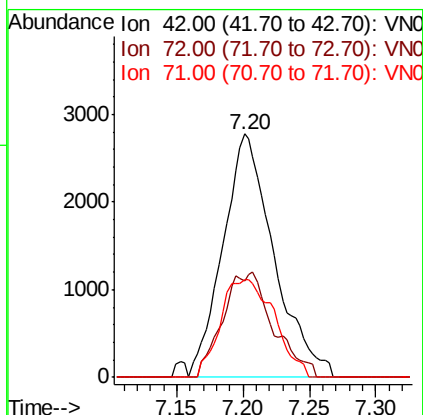
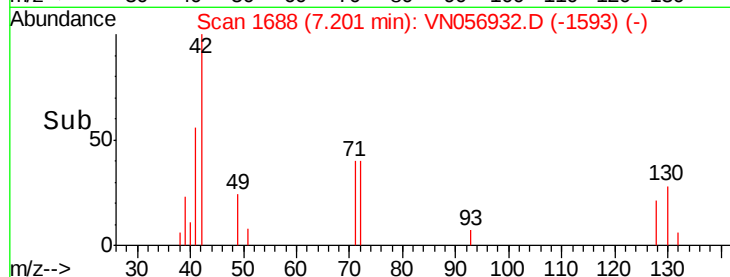
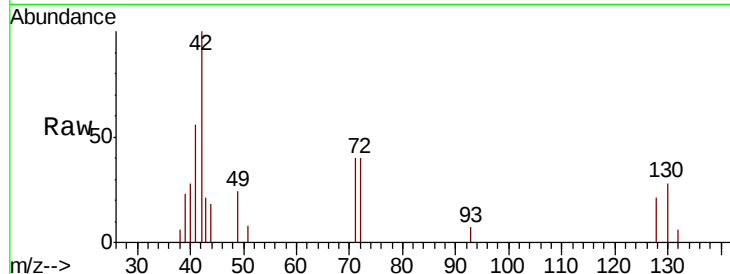




#29
Tetrahydrofuran
Concen: 4.794 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

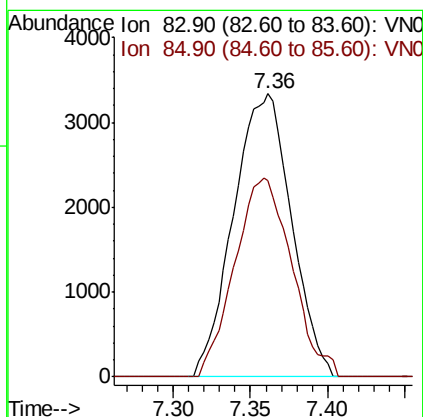
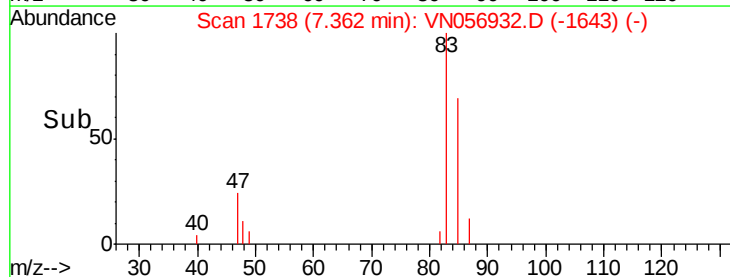
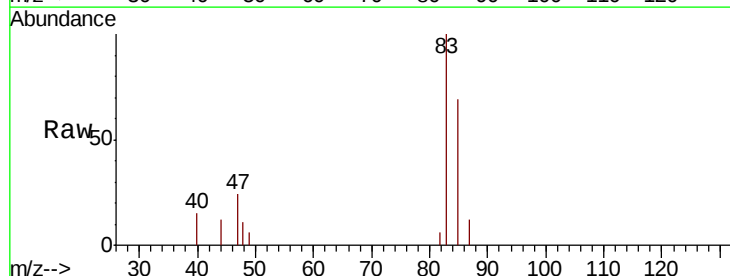
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

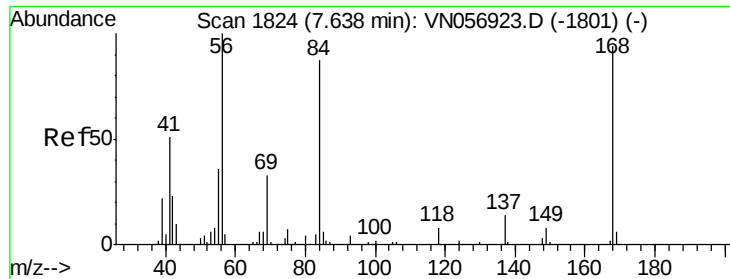
Tot Ion: 42 Resp: 7427
Ion Ratio Lower Upper
42 100
72 42.8 35.5 53.3
71 42.3 33.0 49.6



#30
Chloroform
Concen: 1.066 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 83 Resp: 8690
Ion Ratio Lower Upper
83 100
85 69.5 53.5 80.3

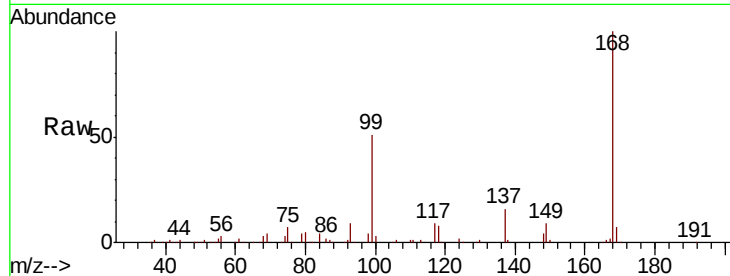




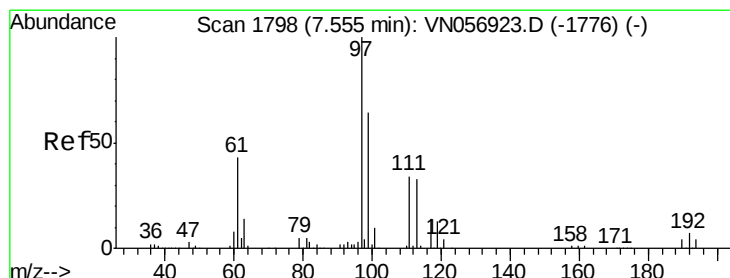
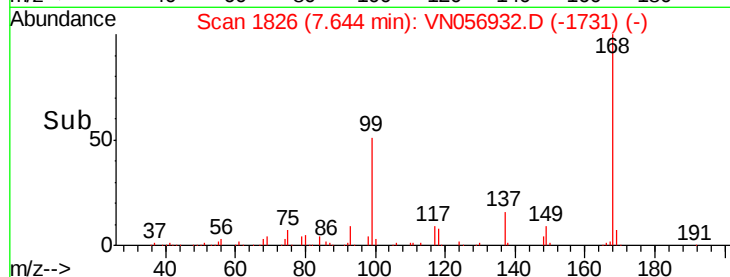
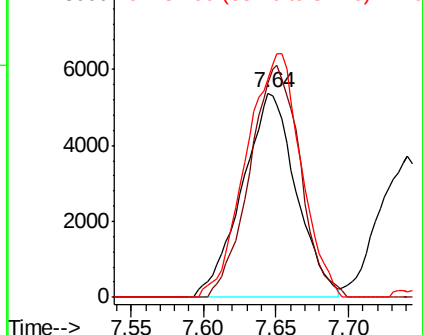
#31
Cyclohexane
Concen: 1.806 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 13916
Ion Ratio Lower Upper
56 100
69 104.9 26.3 39.5#
84 106.6 69.6 104.4#

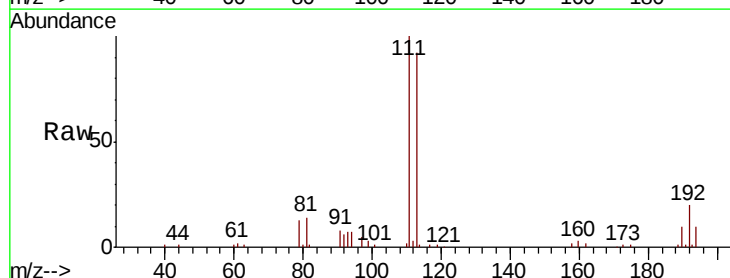


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

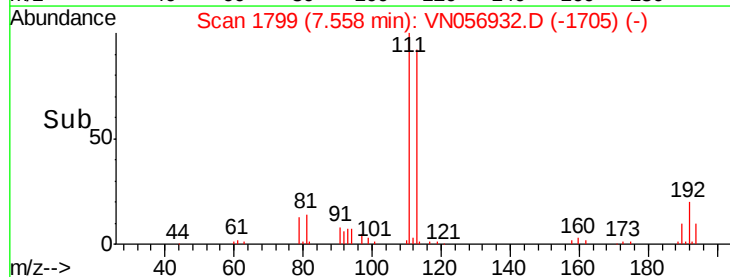
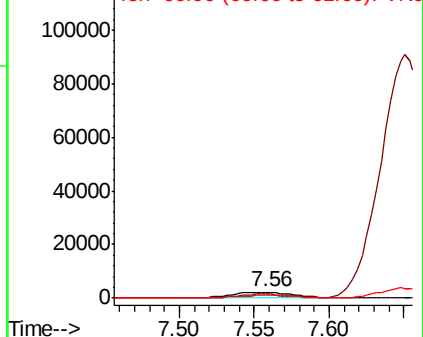


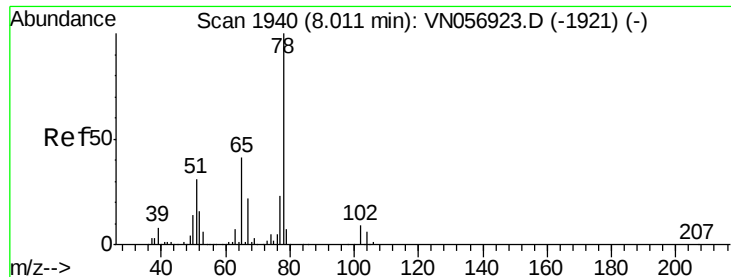
#32
1,1,1-Trichloroethane
Concen: 0.961 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 97 Resp: 6275
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 42.0 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.790 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

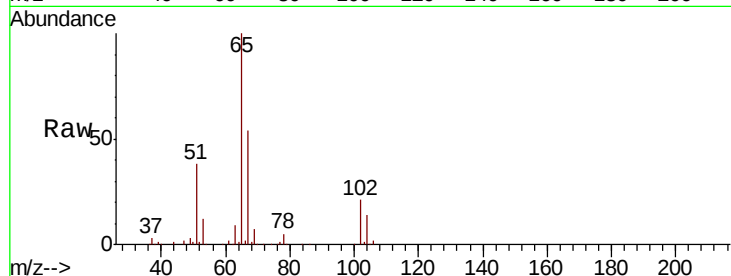
LOQ-WATER-02-QT3-2019

Tot Ion: 65 Resp: 237423

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

100000

80000

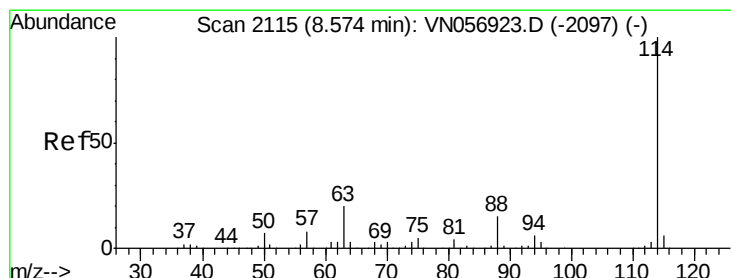
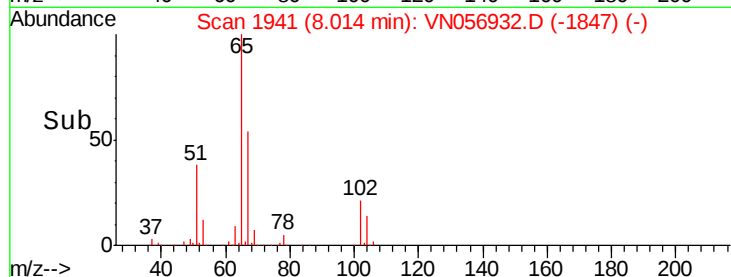
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

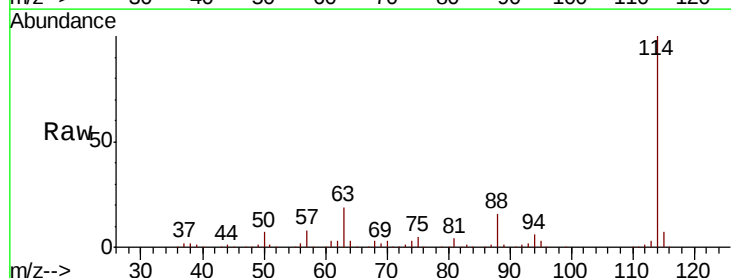
Tgt Ion: 114 Resp: 668501

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

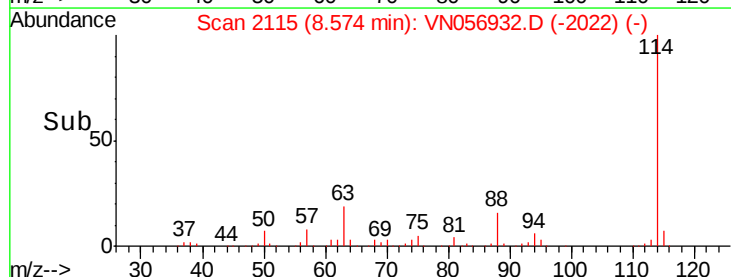
300000

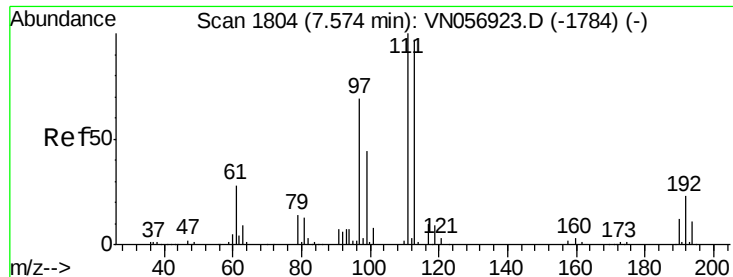
200000

100000

0

Time--> 8.50 8.60 8.70

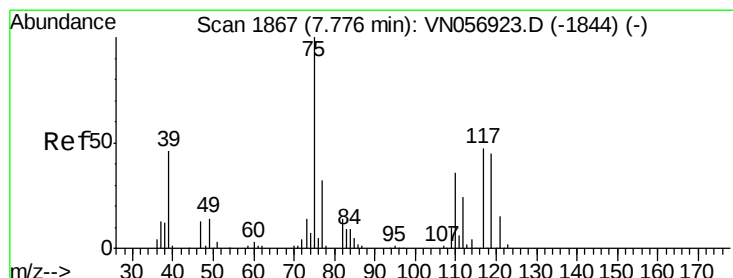
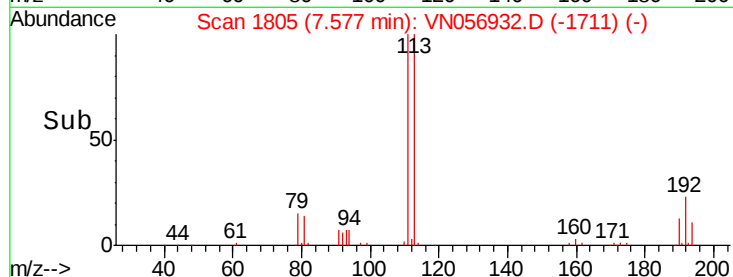
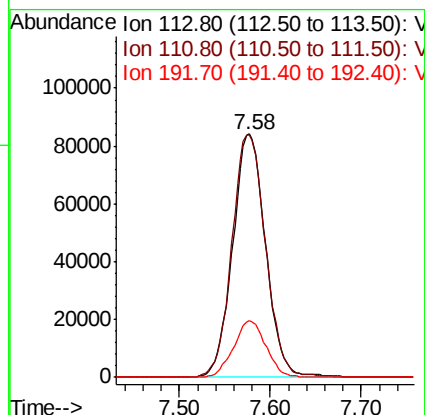
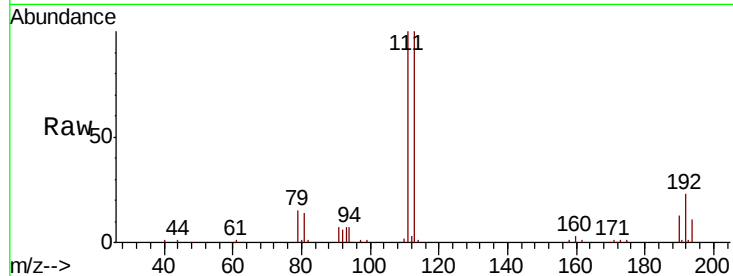




#35
 Dibromofluoromethane
 Concen: 49.709 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

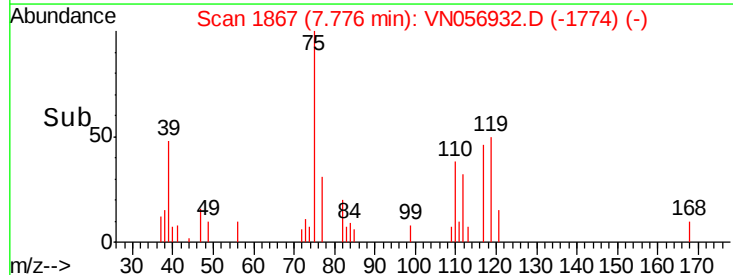
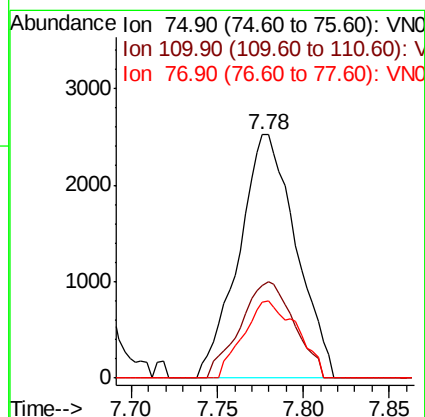
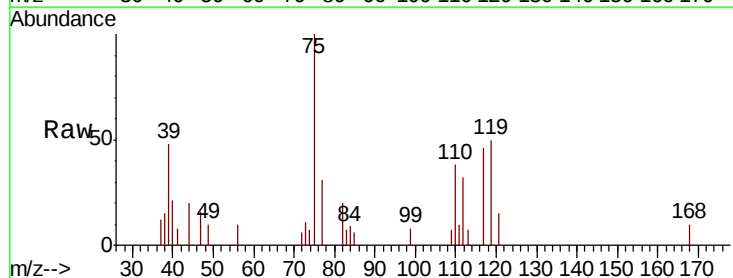
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

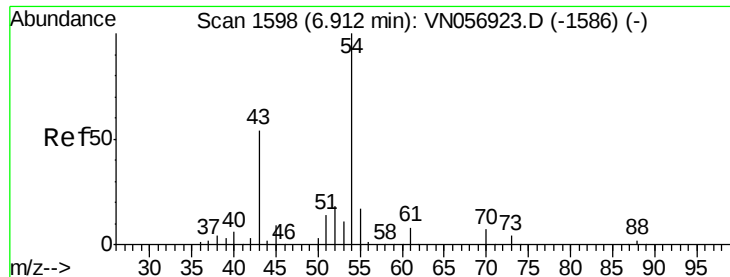
Tot Ion:113 Resp: 212024
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.2
 192 22.9 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 0.951 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 75 Resp: 5815
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.9 56.9
 77 29.7 25.4 38.0

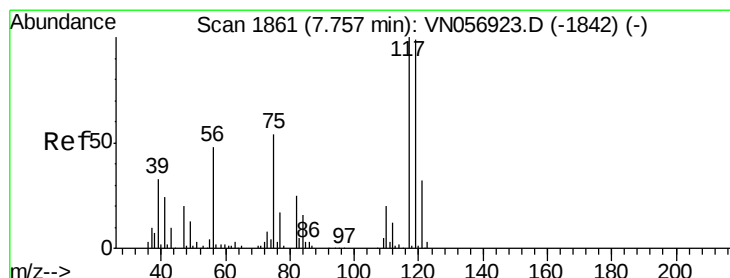
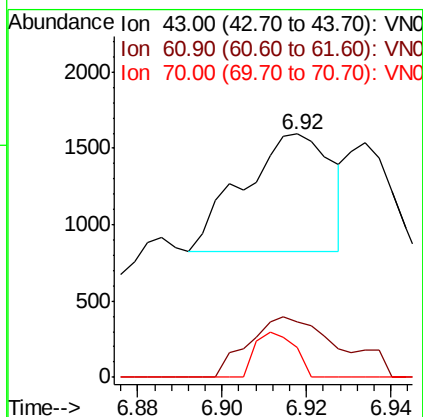
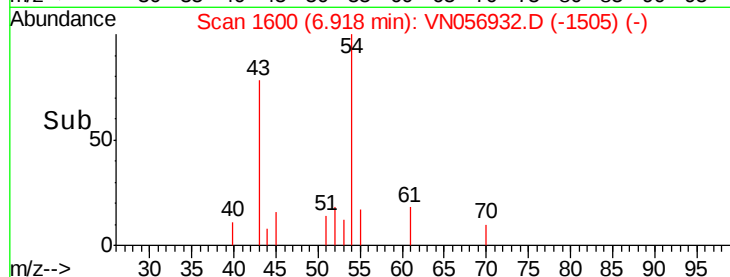
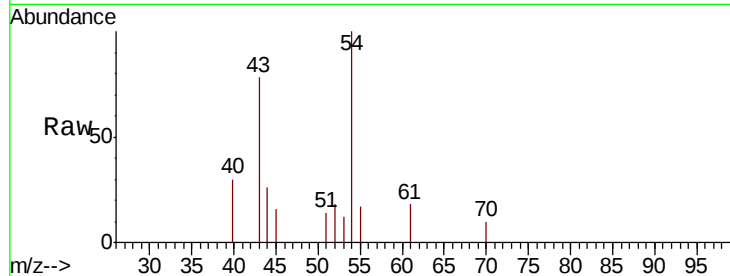




#37
Ethyl Acetate
Concen: 0.227 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

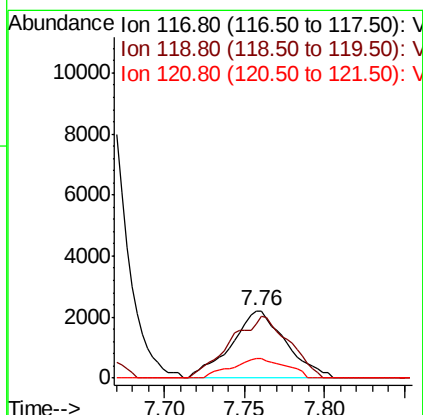
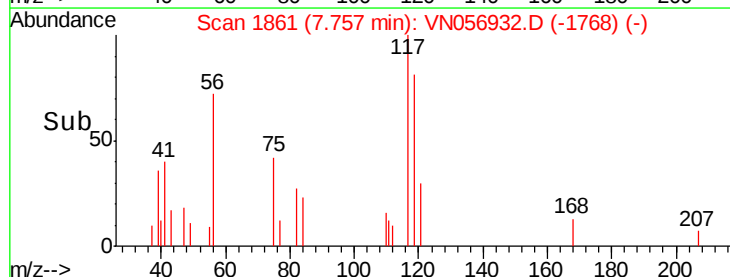
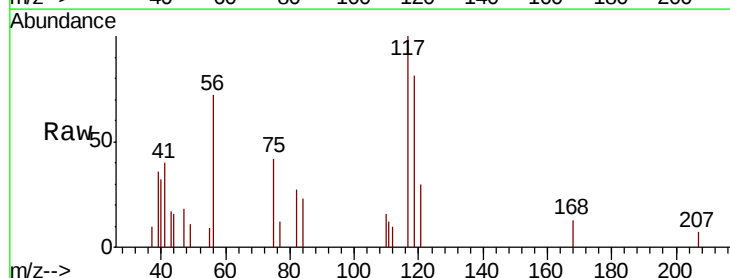
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

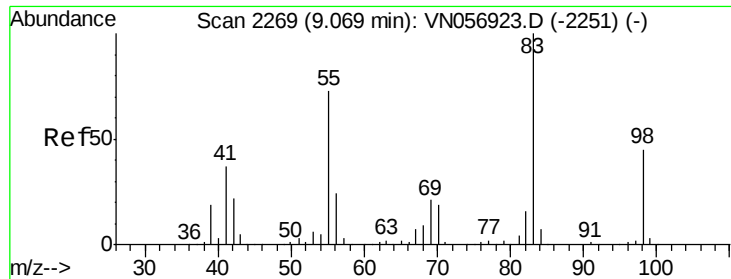
Tot Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
61 52.3 11.9 17.9#
70 17.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 0.883 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 117 Resp: 5136
Ion Ratio Lower Upper
117 100
119 81.1 79.0 118.6
121 30.0 25.1 37.7

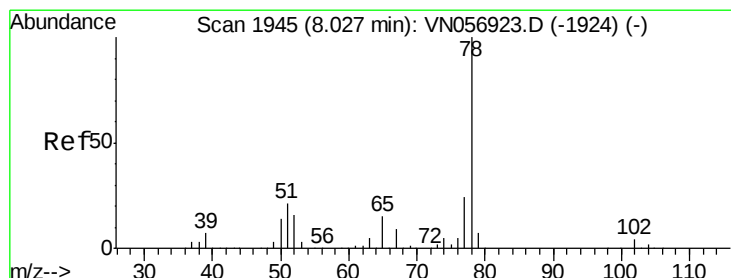
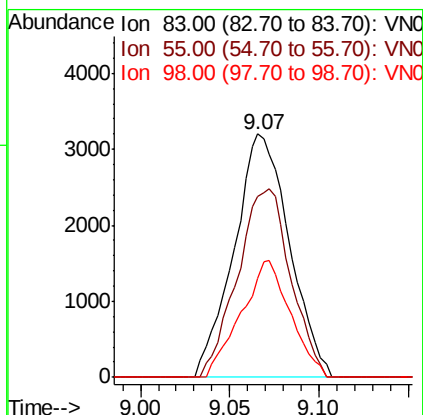
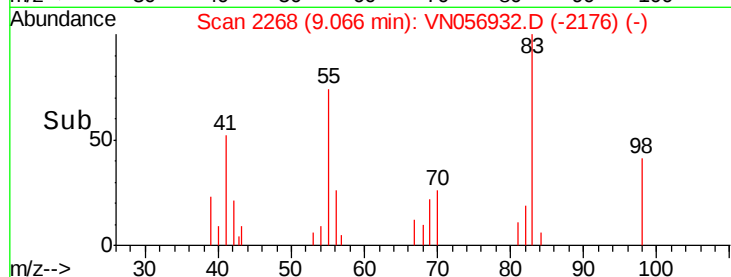
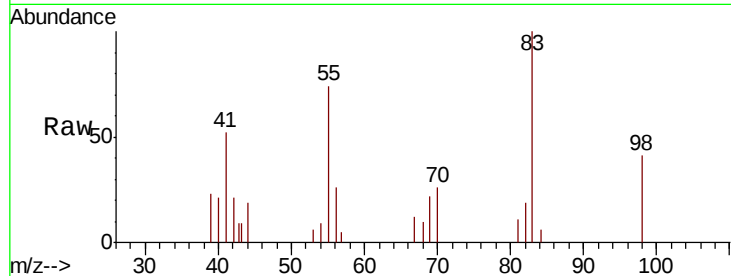




#39
Methvlcvclohexane
Concen: 0.928 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

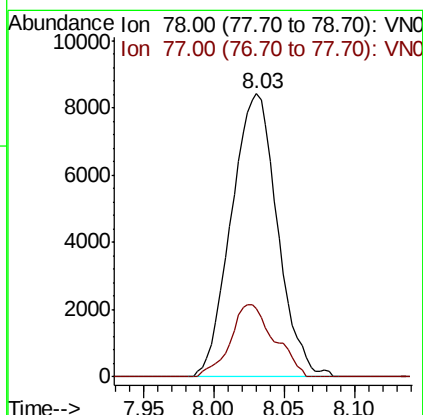
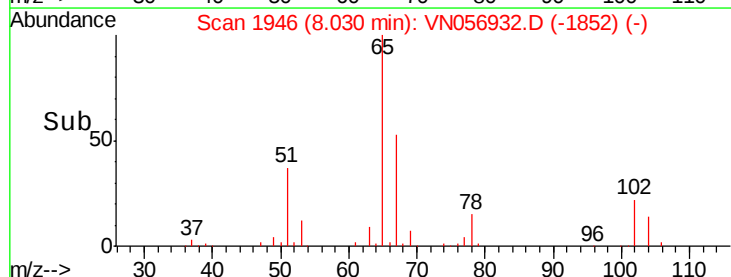
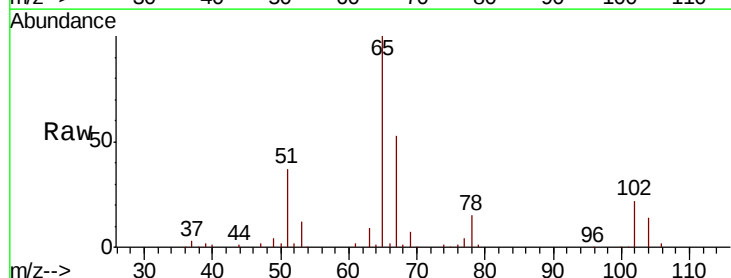
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

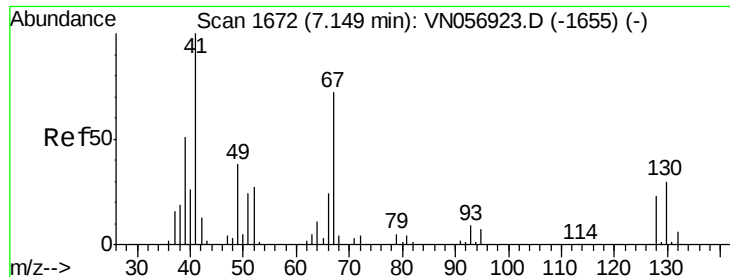
Tot Ion: 83 Resp: 6915
Ion Ratio Lower Upper
83 100
55 74.3 58.8 88.2
98 40.8 35.8 53.6



#40
Benzene
Concen: 1.010 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 78 Resp: 19249
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3

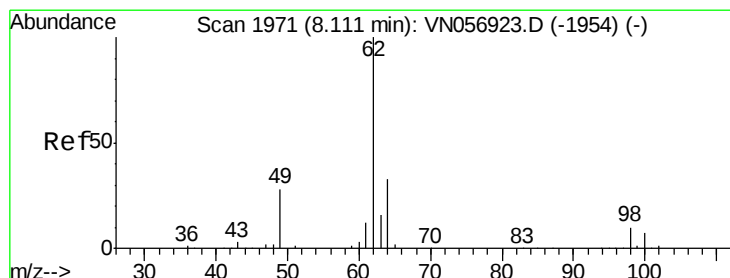
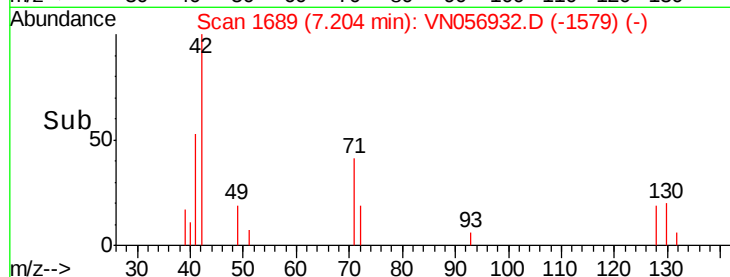
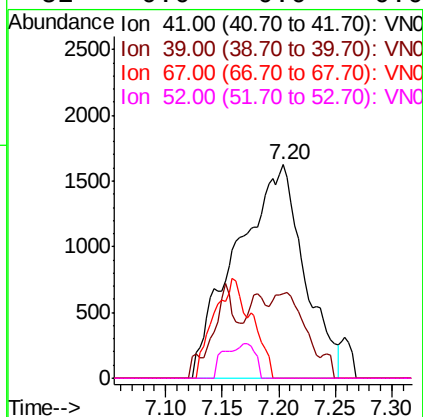
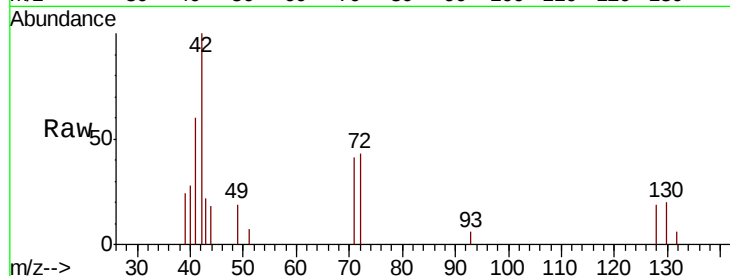




#41
Methacrylonitrile
Concen: 3.099 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.05 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

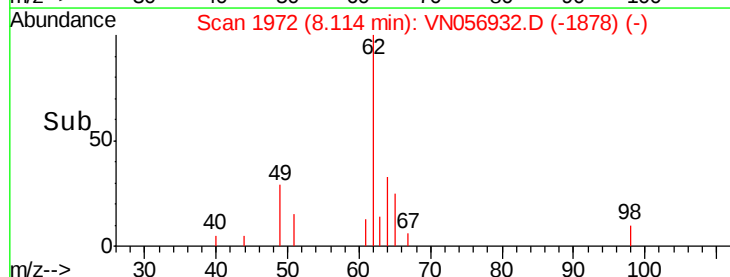
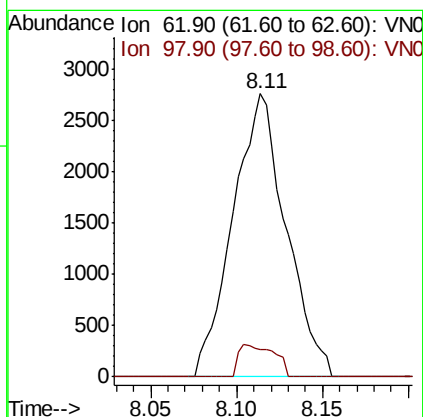
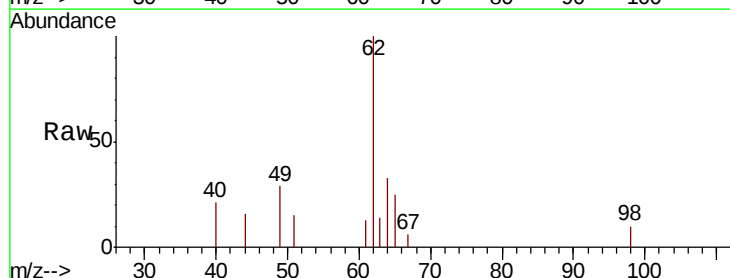
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

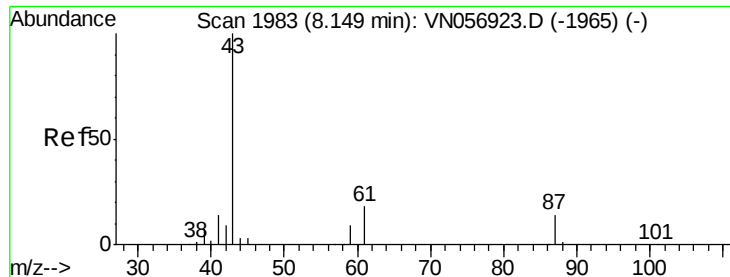
Tot Ion:	41	Resp:	6749
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 1.008 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:	62	Resp:	5933
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	20.8





#43

Isopropyl Acetate

Concen: 0.965 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

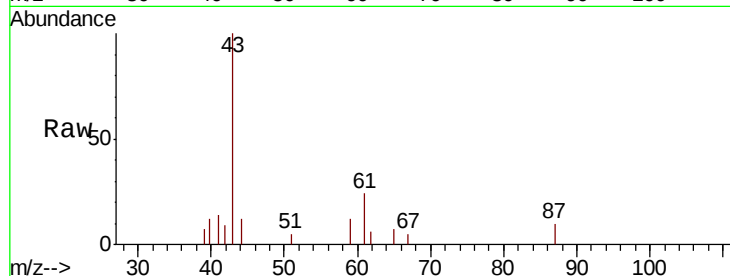
Tot Ion: 43 Resp: 7863

Ion Ratio Lower Upper

43 100

61 19.8 23.8 35.6#

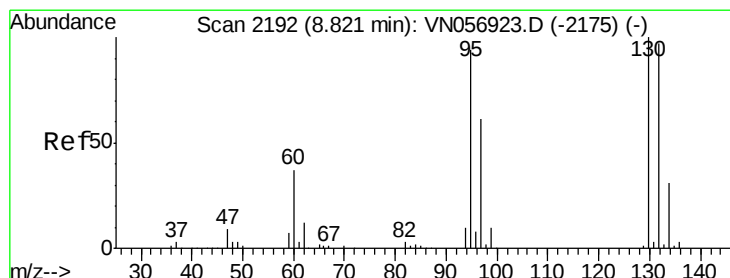
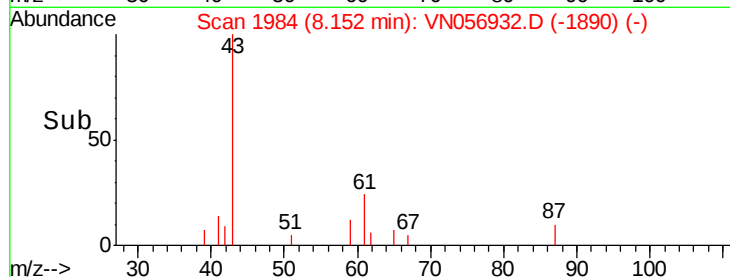
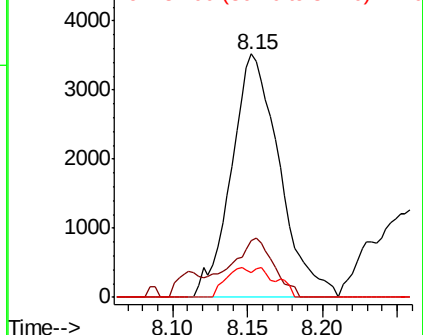
87 6.5 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN056932.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN056932.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN056932.D (-1965) (-)



#44

Trichloroethene

Concen: 0.869 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056932.D

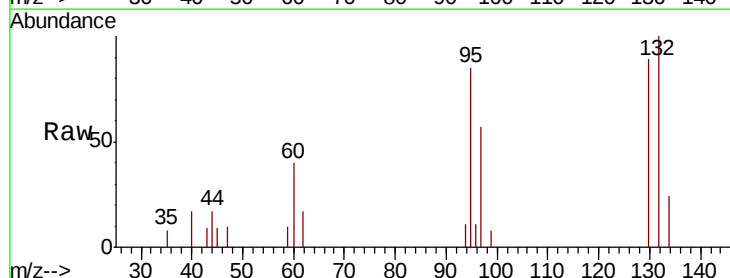
Acq: 25 Jul 2019 20:28

Tgt Ion: 130 Resp: 4518

Ion Ratio Lower Upper

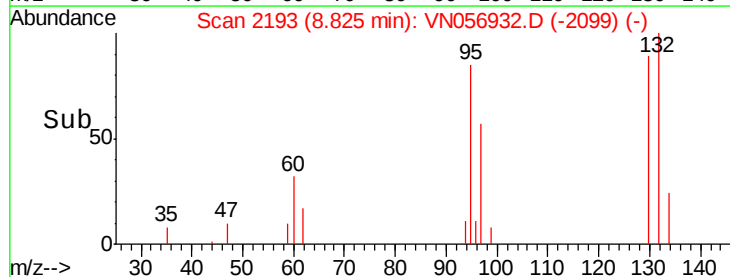
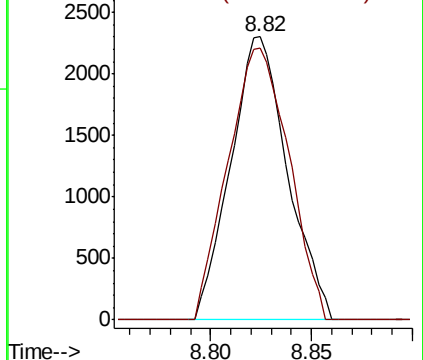
130 100

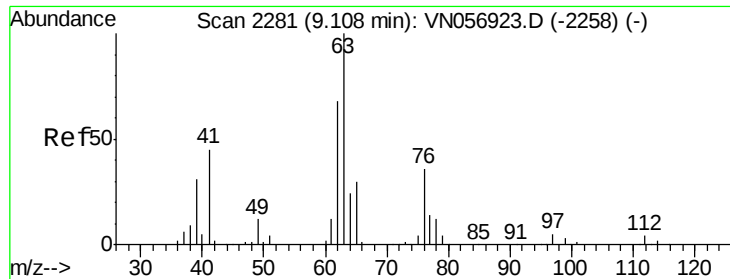
95 95.9 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VN056932.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056932.D (-2175) (-)

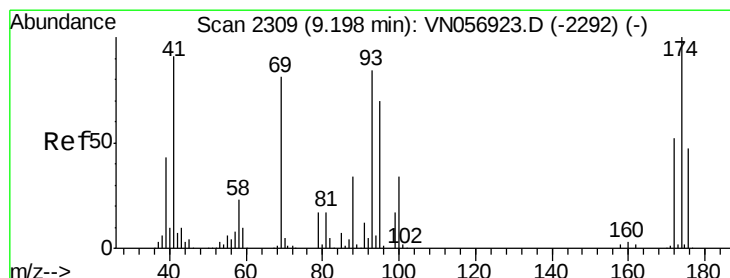
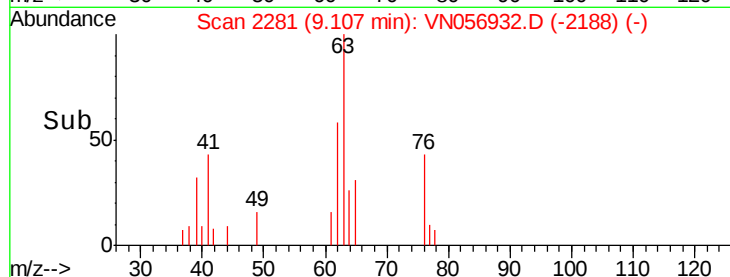
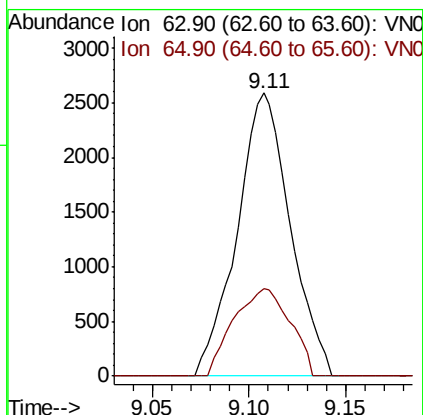
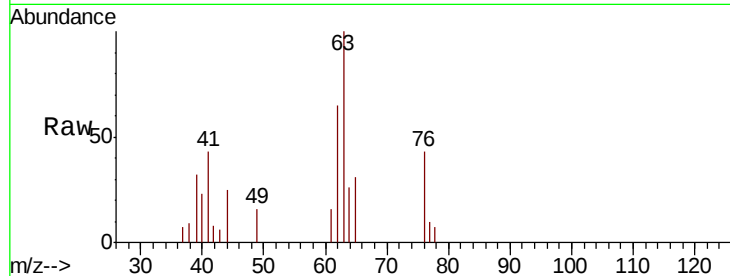




#45
 1,2-Dichloropropane
 Concen: 0.967 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

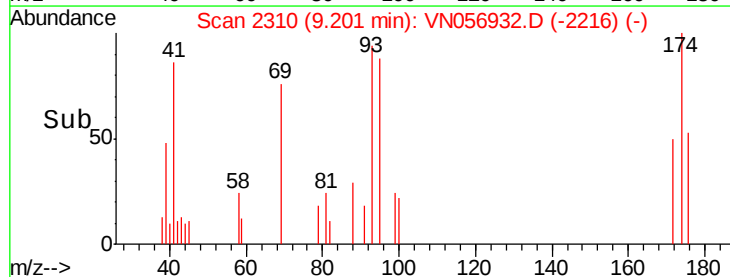
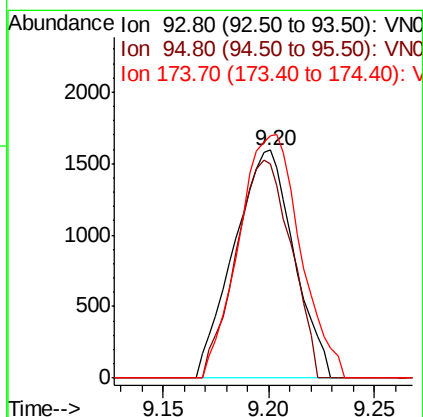
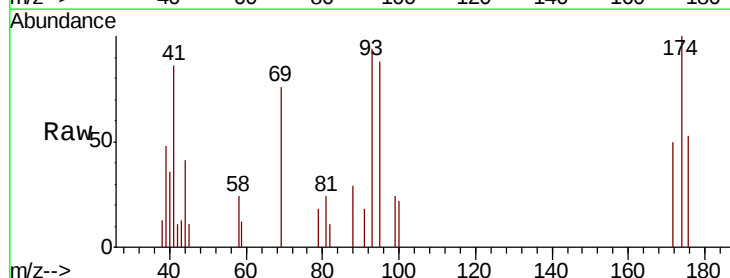
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

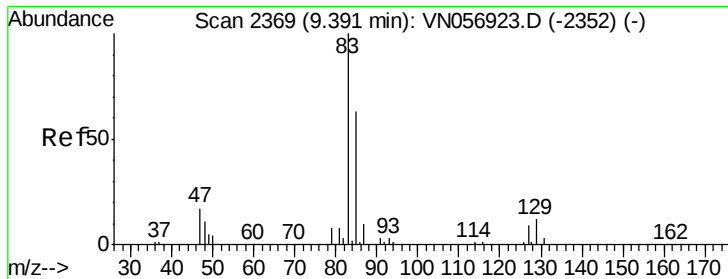
Tot Ion: 63 Resp: 4951
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7



#46
 Dibromomethane
 Concen: 1.018 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 93 Resp: 3142
 Ion Ratio Lower Upper
 93 100
 95 88.2 66.8 100.2
 174 109.6 92.9 139.3





#47

Bromodichloromethane

Concen: 0.902 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

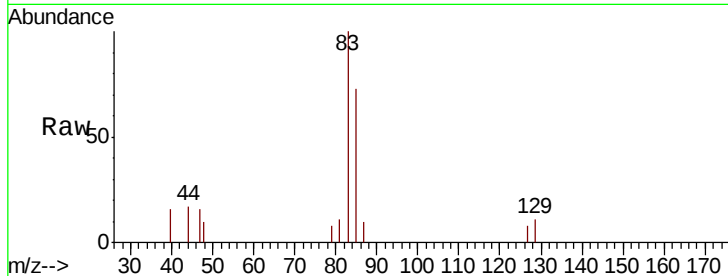
Tot Ion: 83 Resp: 5438

Ion Ratio Lower Upper

83 100

85 72.8 50.5 75.7

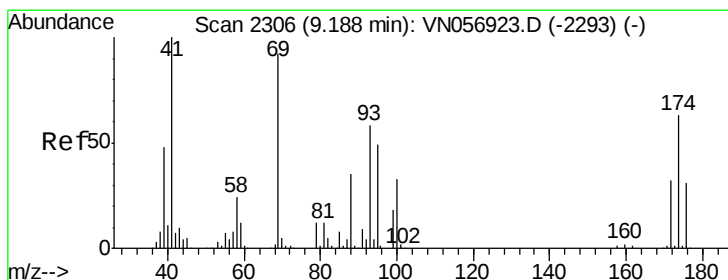
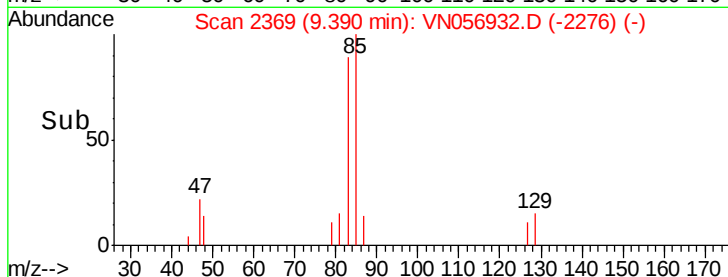
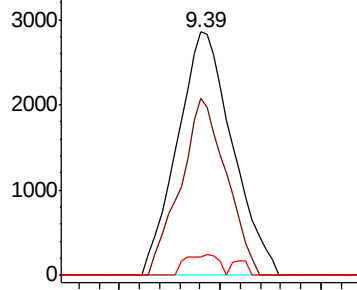
127 7.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056932.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056932.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056932.D (-2276) (-)



#48

Methyl methacrylate

Concen: 0.956 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

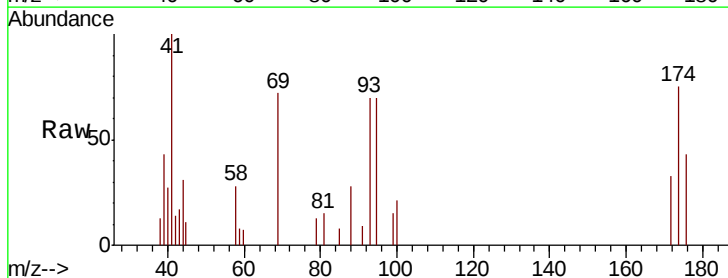
Tgt Ion: 41 Resp: 3740

Ion Ratio Lower Upper

41 100

69 84.8 73.4 110.0

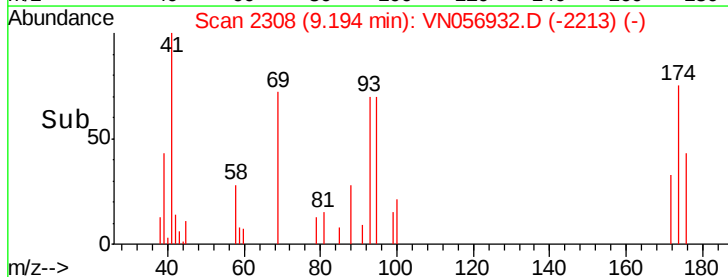
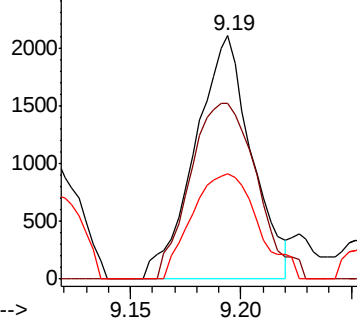
39 50.4 40.1 60.1

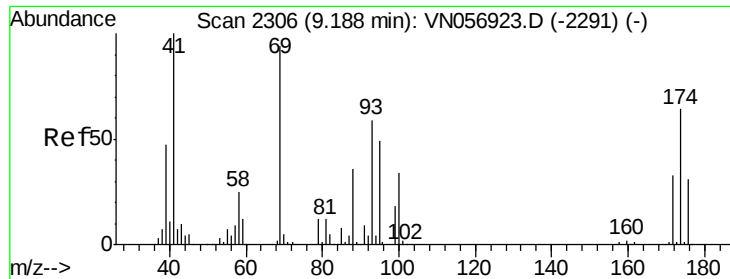


Abundance Ion 41.00 (40.70 to 41.70): VN056932.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056932.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056932.D (-2213) (-)





#49

1,4-Dioxane

Concen: 16.923 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

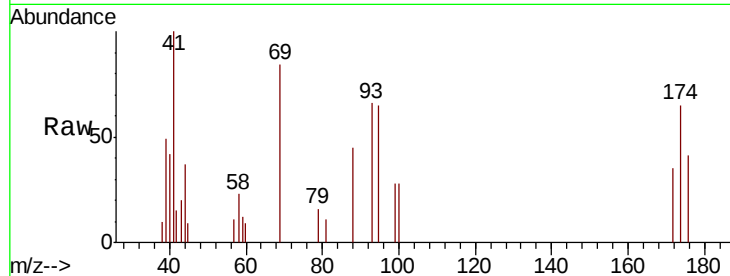
Tot Ion: 88 Resp: 1386

Ion Ratio Lower Upper

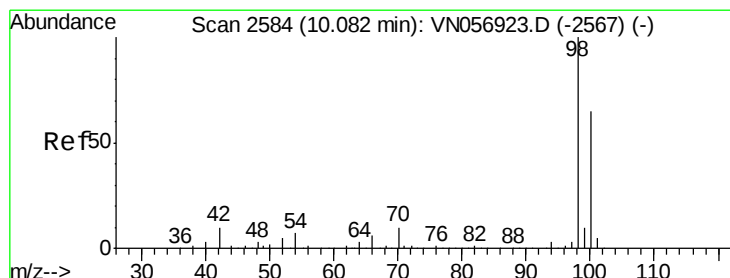
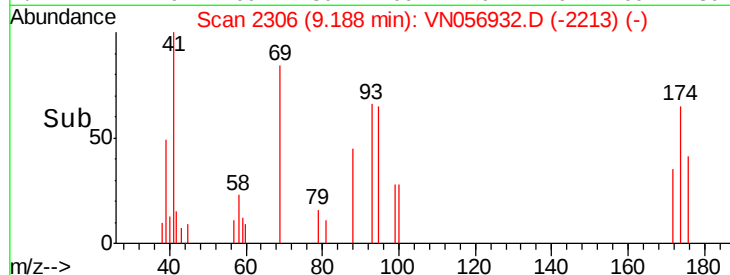
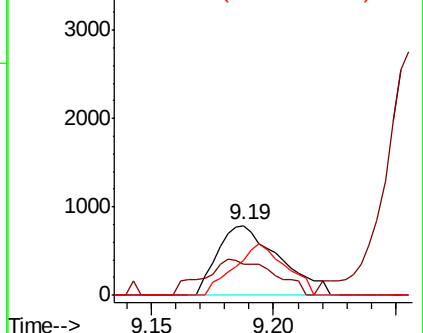
88 100

43 58.6 21.1 31.7#

58 61.4 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.172 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN056932.D

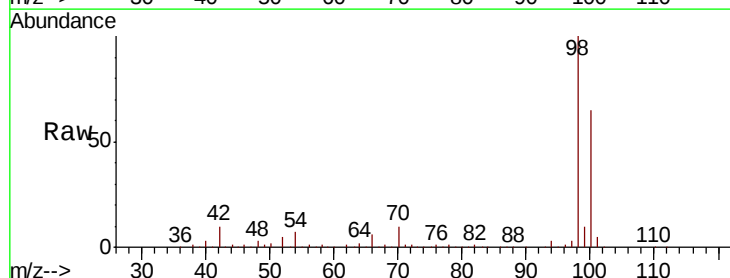
Acq: 25 Jul 2019 20:28

Tgt Ion: 98 Resp: 763993

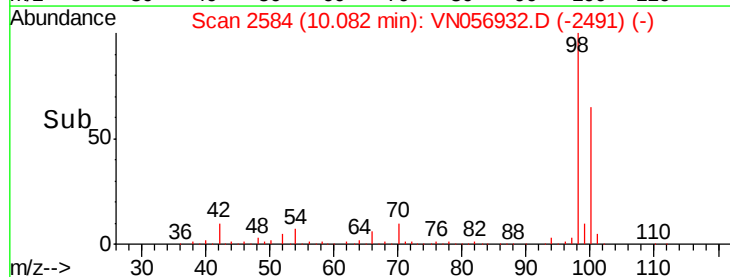
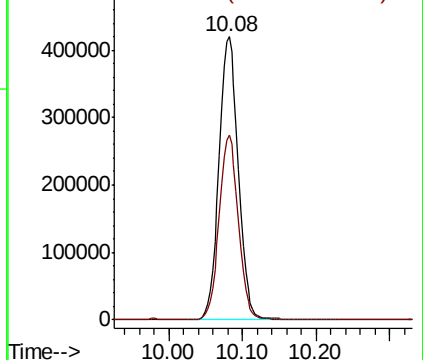
Ion Ratio Lower Upper

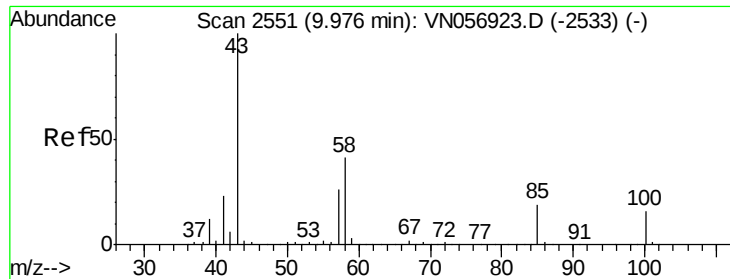
98 100

100 65.0 51.4 77.2



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: 4.735 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

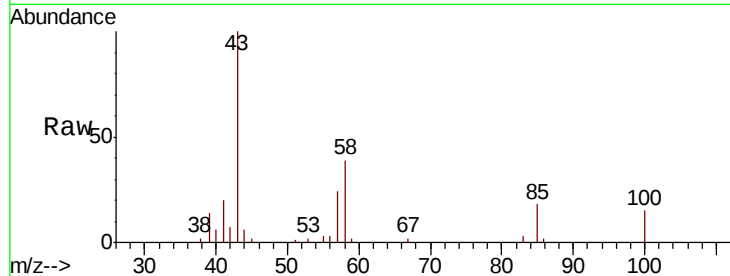
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 22939

Ion Ratio Lower Upper

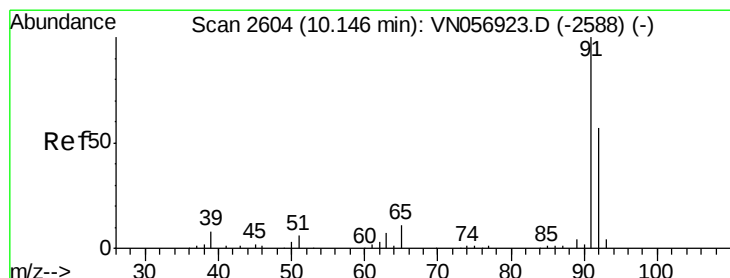
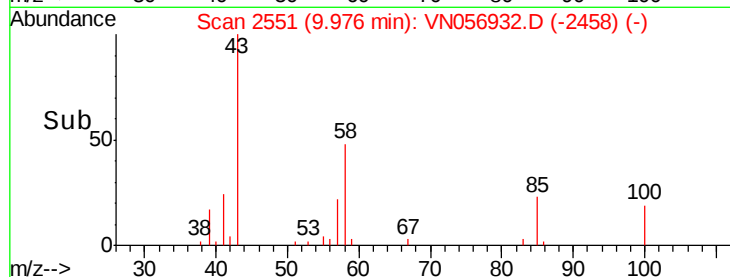
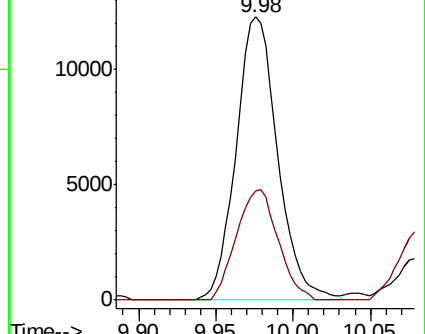
43 100

58 39.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 1.000 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056932.D

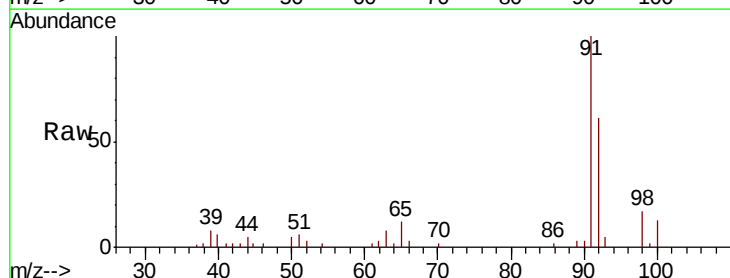
Acq: 25 Jul 2019 20:28

Tgt Ion: 92 Resp: 11436

Ion Ratio Lower Upper

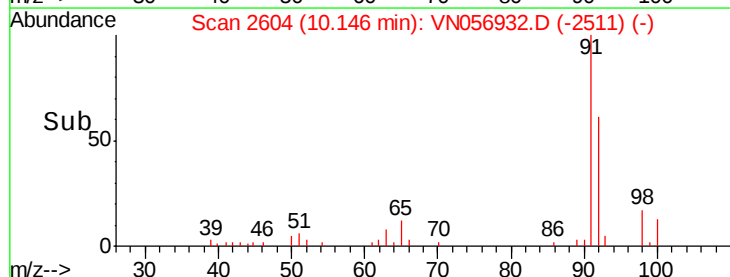
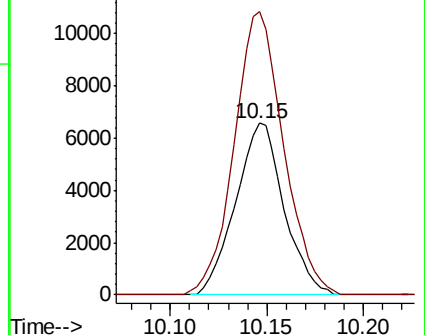
92 100

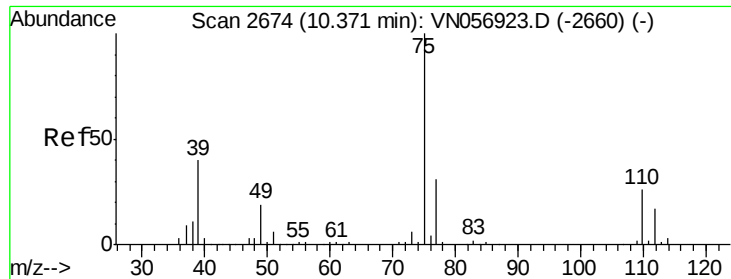
91 168.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.796 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

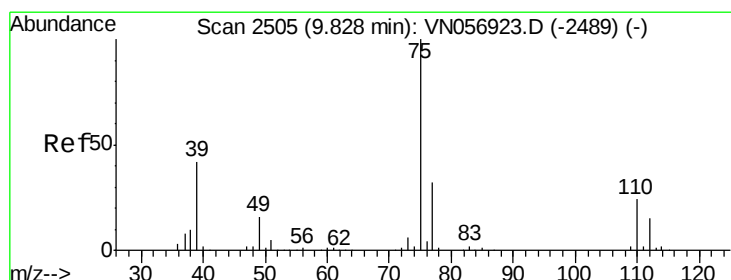
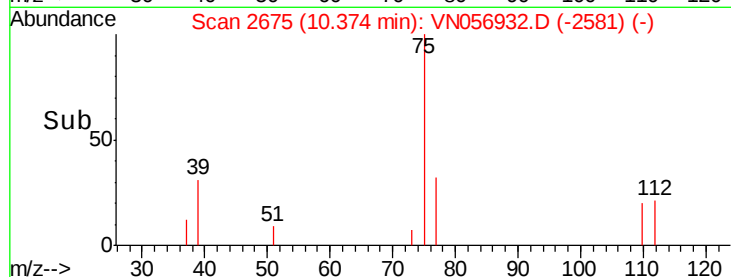
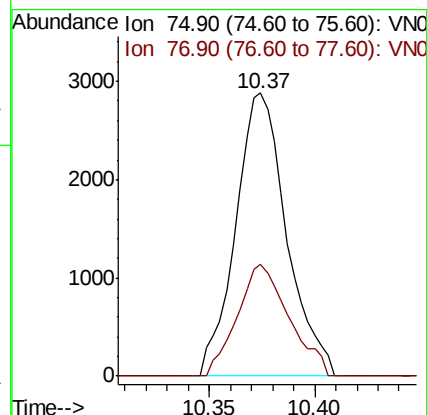
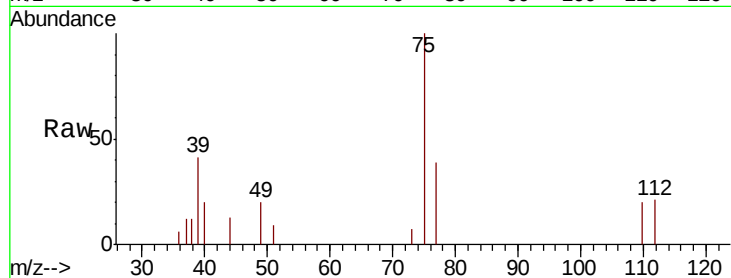
LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 4838

Ion Ratio Lower Upper

75 100

77 39.4 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 0.820 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

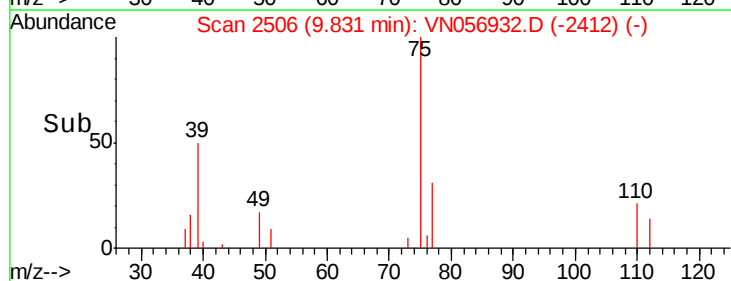
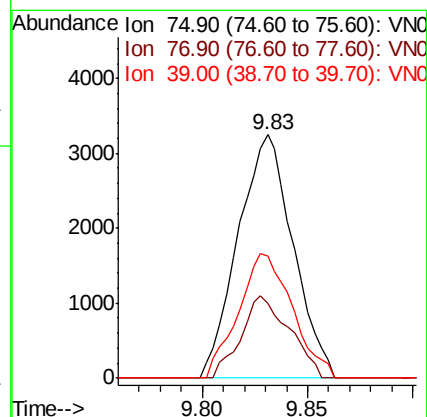
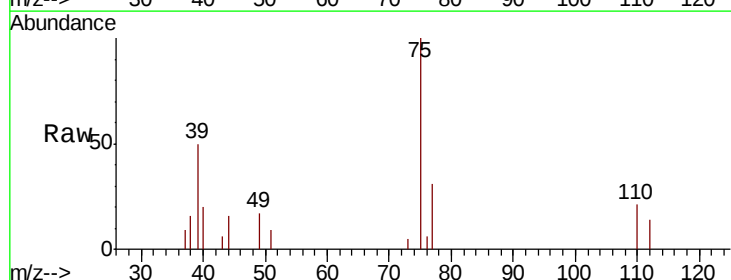
Tgt Ion: 75 Resp: 5871

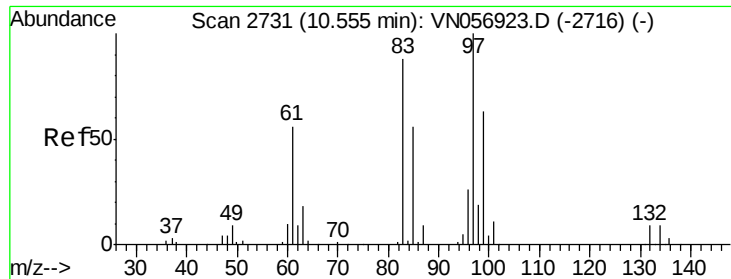
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 50.0 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 0.902 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 97 Resp: 4132

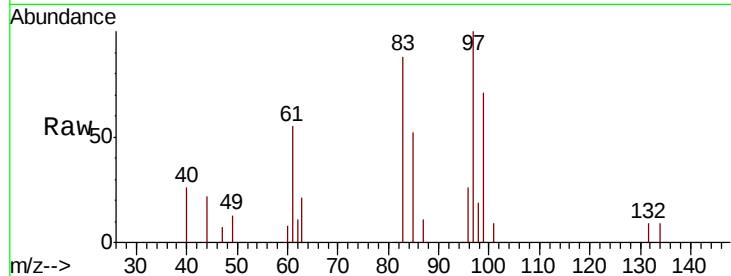
Ion Ratio Lower Upper

97 100

83 87.9 70.1 105.1

85 52.0 45.1 67.7

99 71.0 50.6 75.8

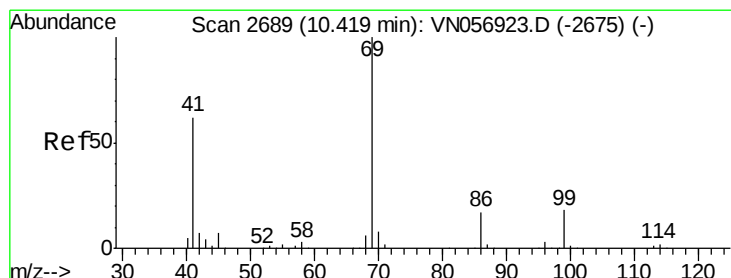
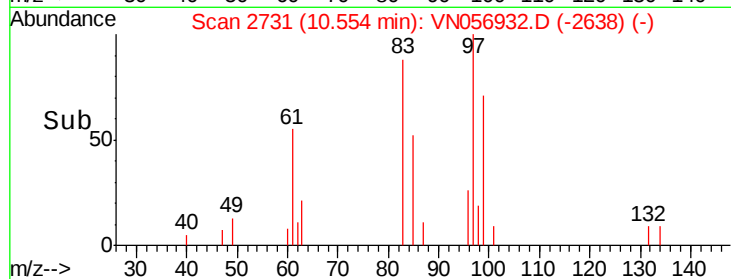
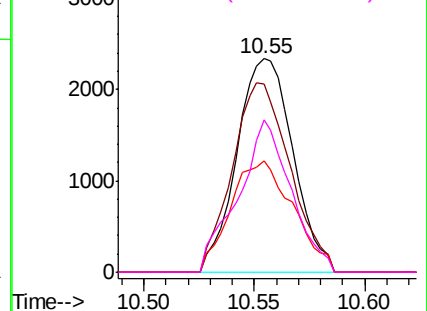


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.861 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

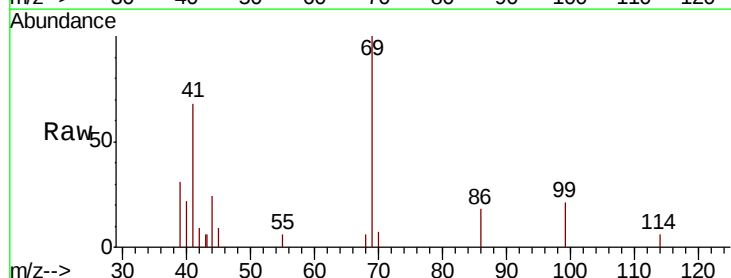
Tgt Ion: 69 Resp: 5302

Ion Ratio Lower Upper

69 100

41 62.1 49.7 74.5

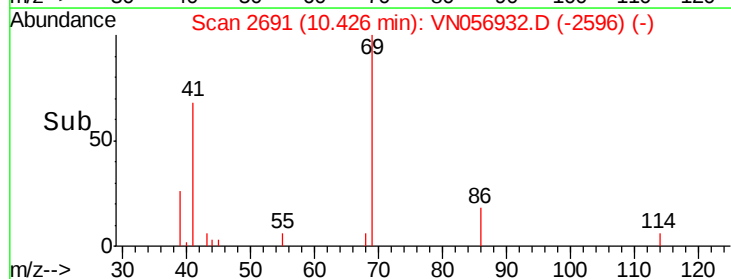
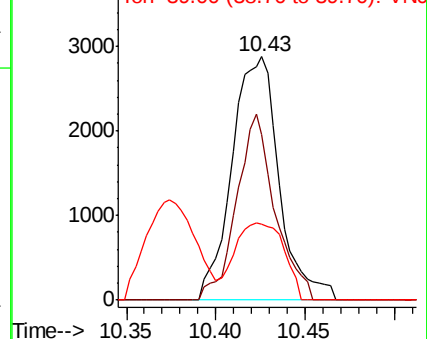
39 33.5 23.6 35.4

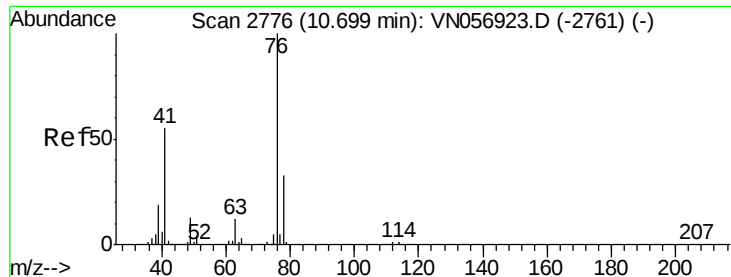


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.926 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

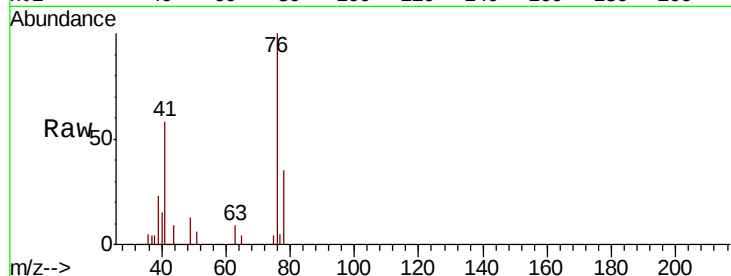
LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 6941

Ion Ratio Lower Upper

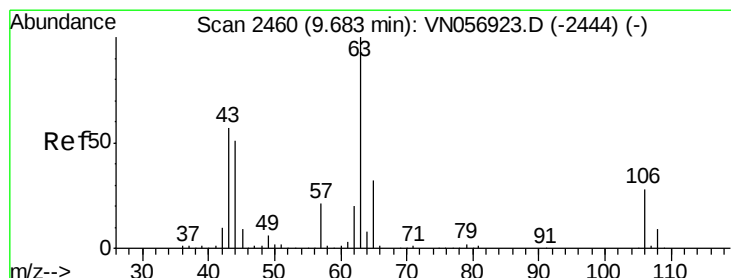
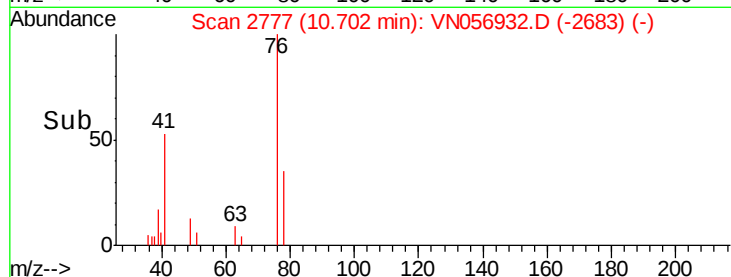
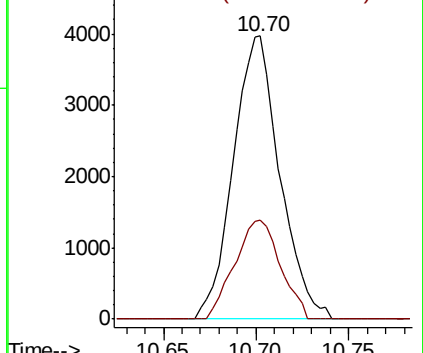
76 100

78 34.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.765 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN056932.D

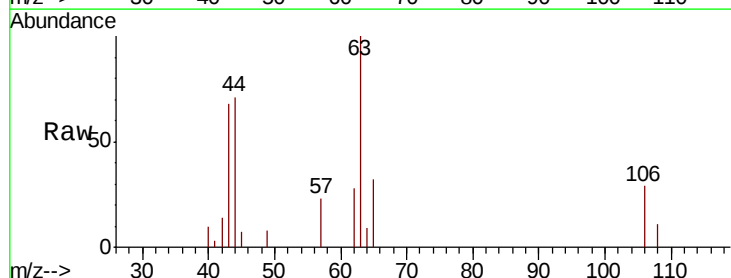
Acq: 25 Jul 2019 20:28

Tgt Ion: 63 Resp: 9140

Ion Ratio Lower Upper

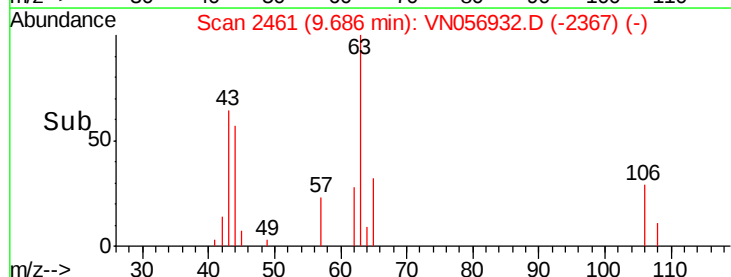
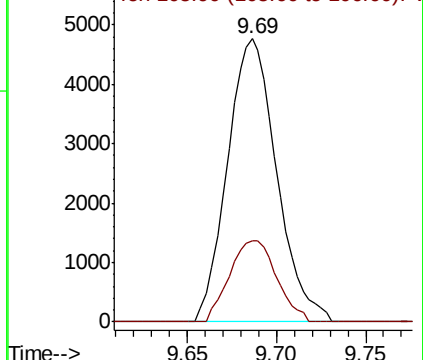
63 100

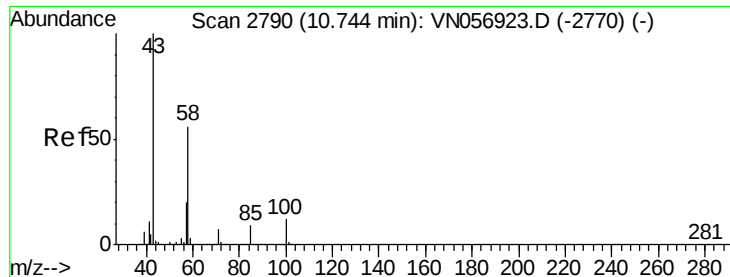
106 27.5 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

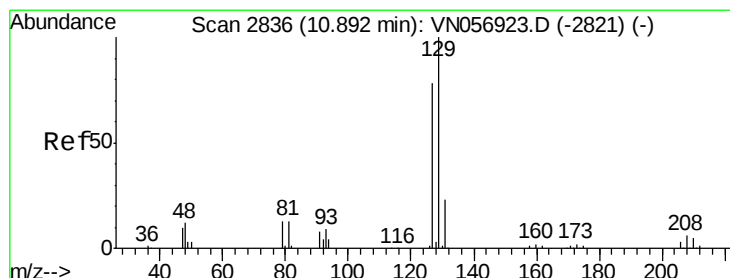
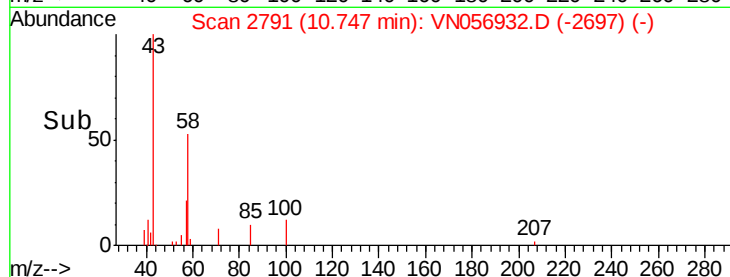
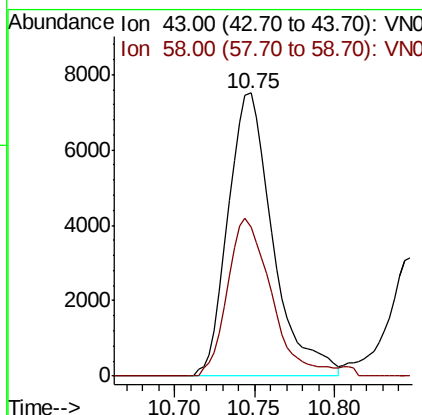
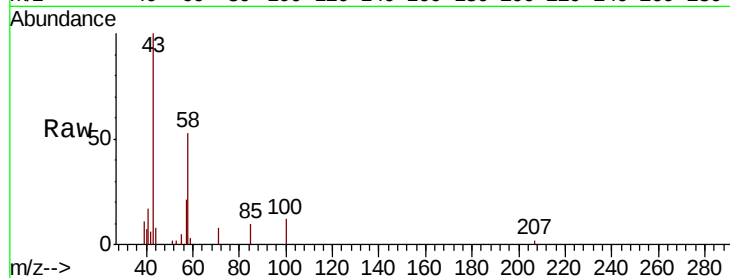




#59
2-Hexanone
Concen: 4.323 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

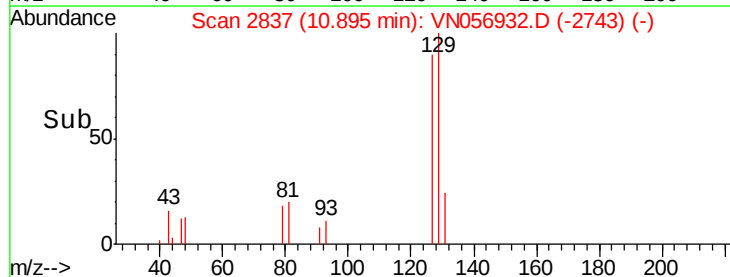
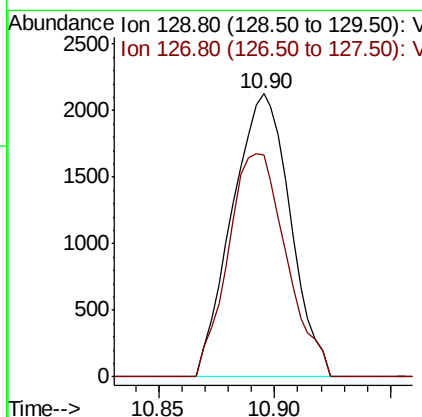
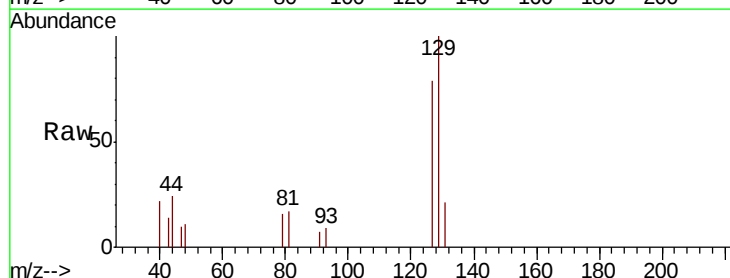
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

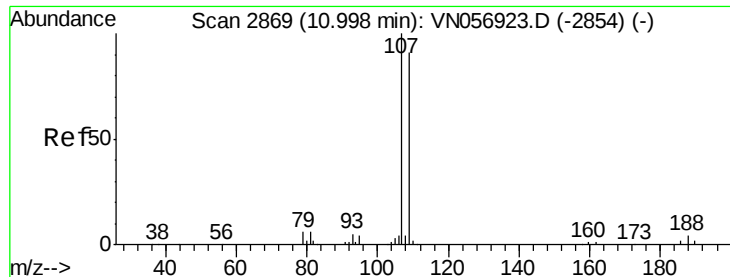
Tot Ion: 43 Resp: 14356
Ion Ratio Lower Upper
43 100
58 54.8 28.2 84.6



#60
Dibromochloromethane
Concen: 0.796 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 129 Resp: 3703
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 0.891 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

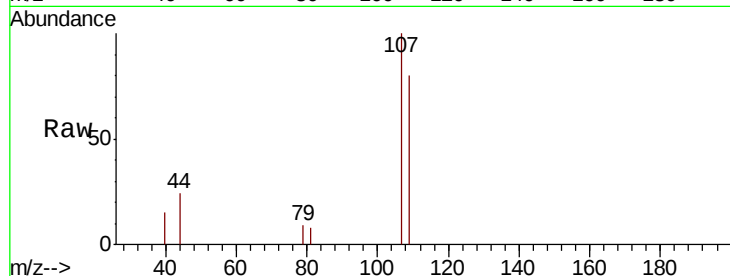
LOQ-WATER-02-QT3-2019

Tot Ion:107 Resp: 4051

Ion Ratio Lower Upper

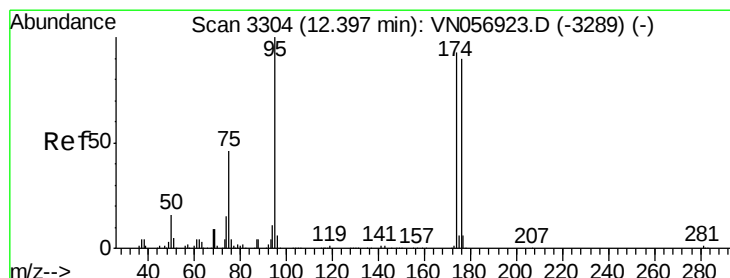
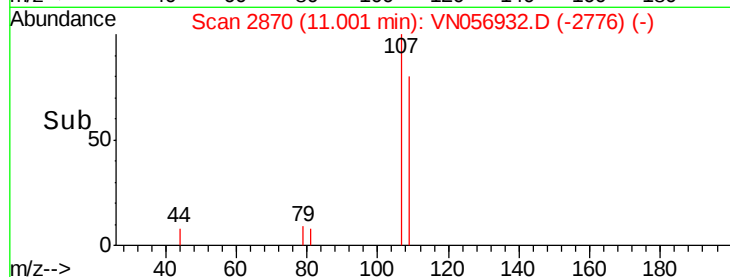
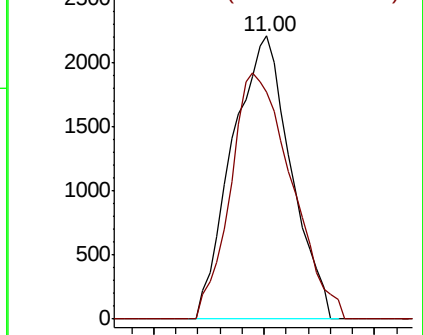
107 100

109 90.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 38.190 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

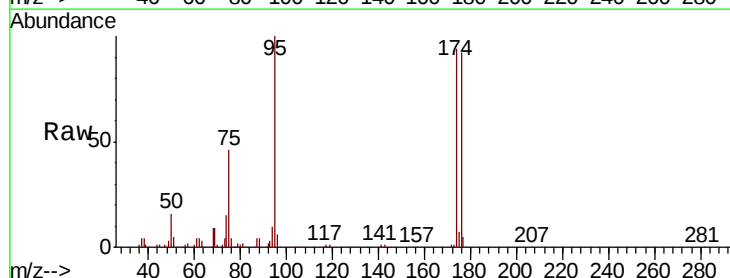
Tgt Ion: 95 Resp: 201963

Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.2

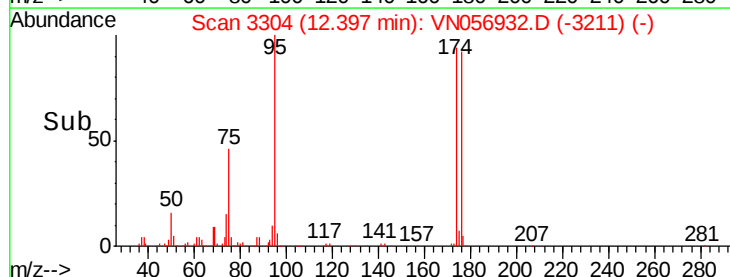
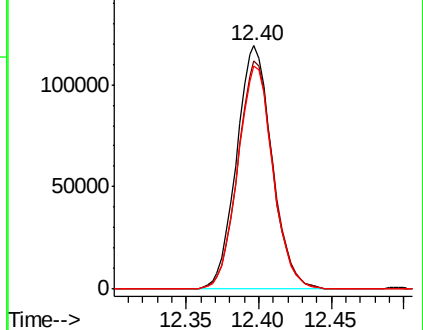
176 91.2 0.0 179.6

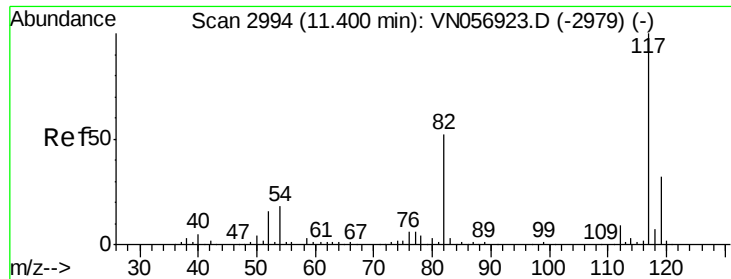


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

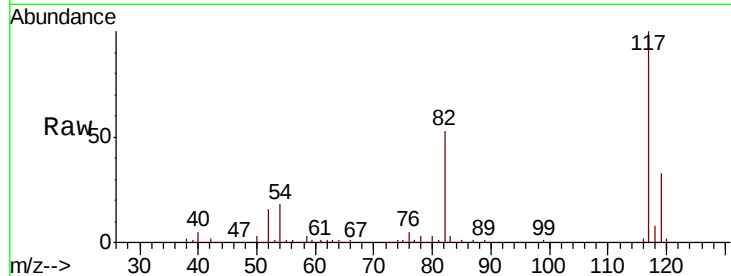




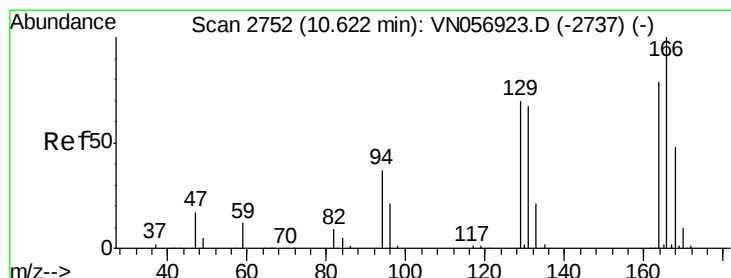
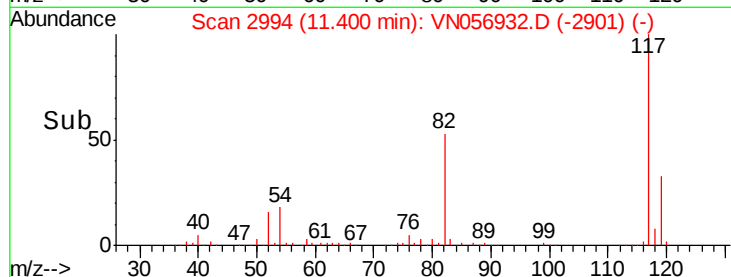
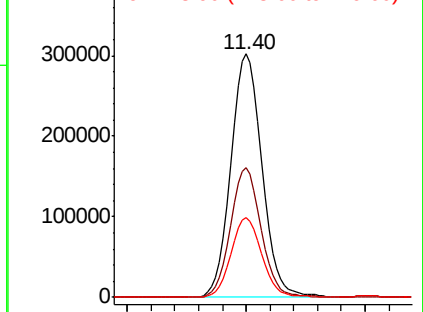
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:117 Resp: 549061
Ion Ratio Lower Upper
117 100
82 53.4 41.7 62.5
119 32.6 25.5 38.3

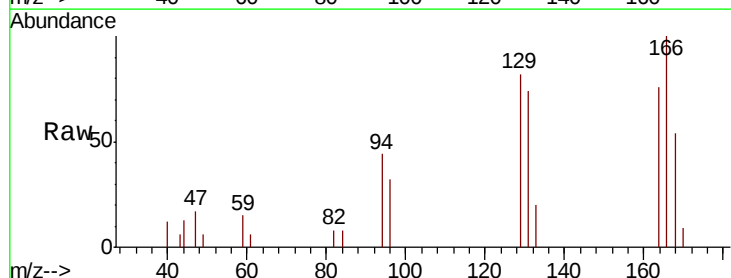


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

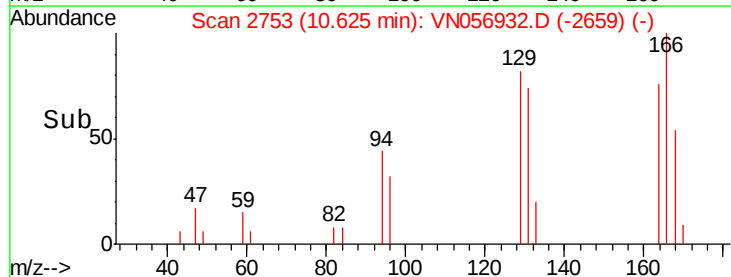
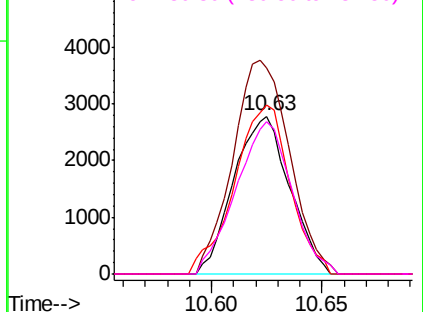


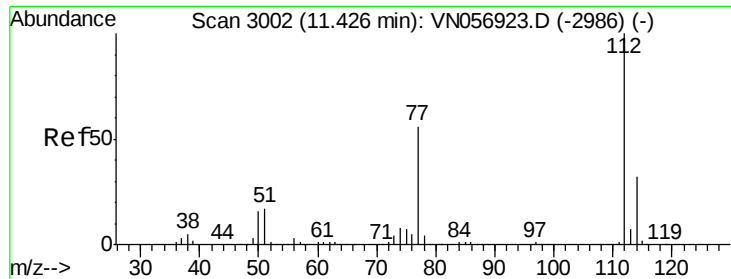
#64
Tetrachloroethene
Concen: 0.974 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:164 Resp: 4883
Ion Ratio Lower Upper
164 100
166 130.8 101.6 152.4
129 107.3 70.9 106.3#
131 96.9 68.4 102.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

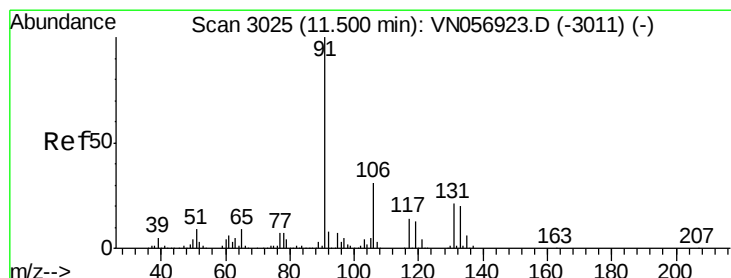
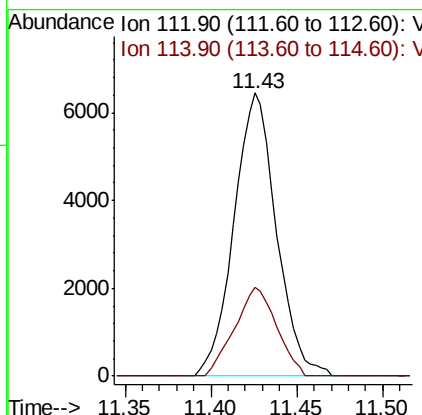
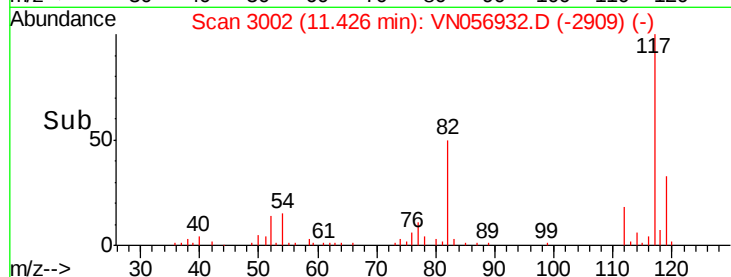
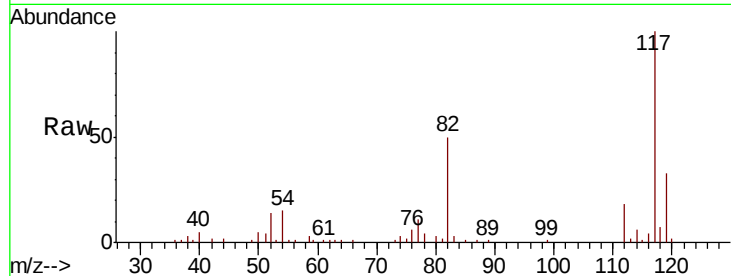




#65
Chlorobenzene
Concen: 0.964 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

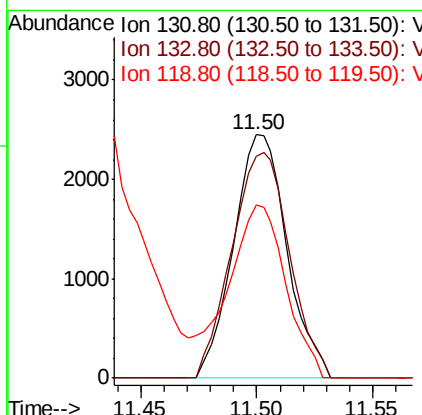
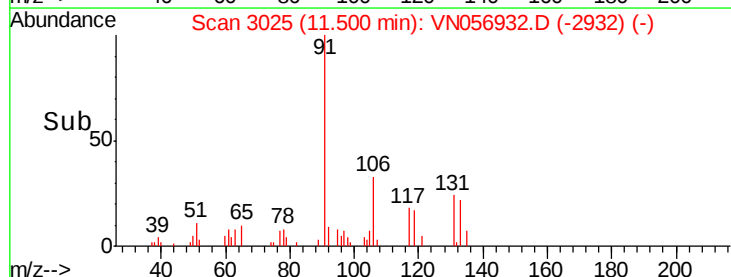
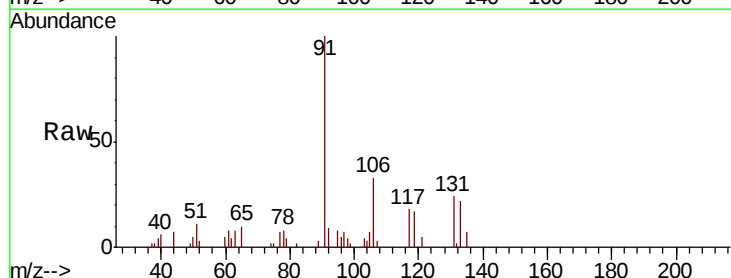
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

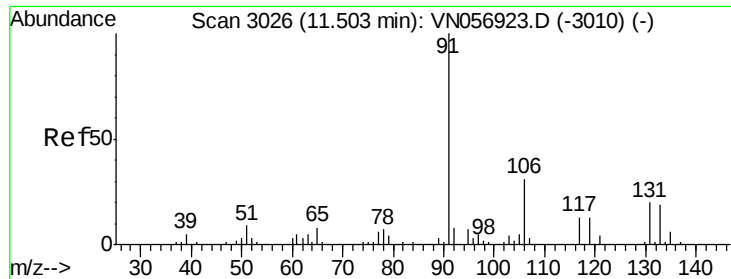
Tot Ion:112 Resp: 11070
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.919 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:131 Resp: 3925
Ion Ratio Lower Upper
131 100
133 100.0 47.1 141.4
119 0.0 32.6 98.0#

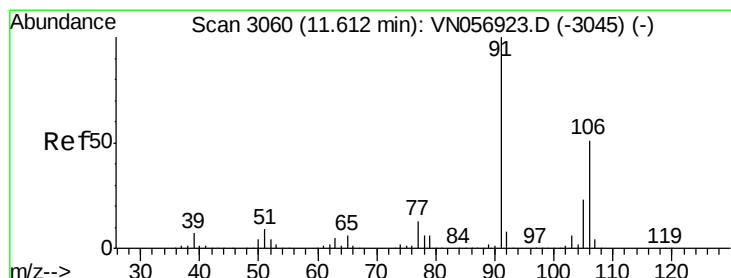
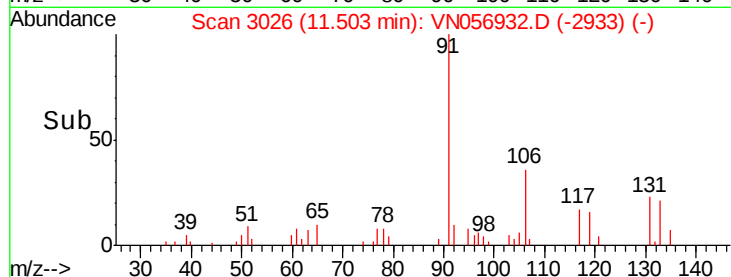
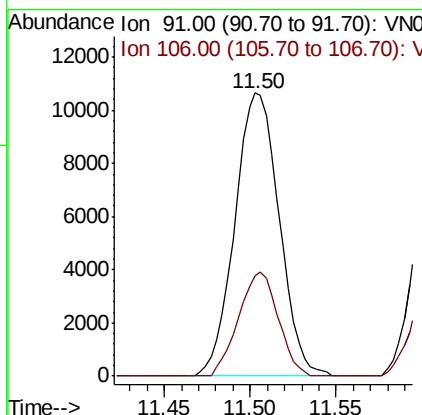
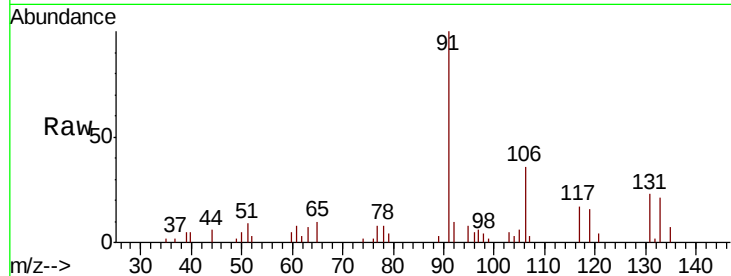




#67
Ethyl Benzene
Concen: 0.962 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

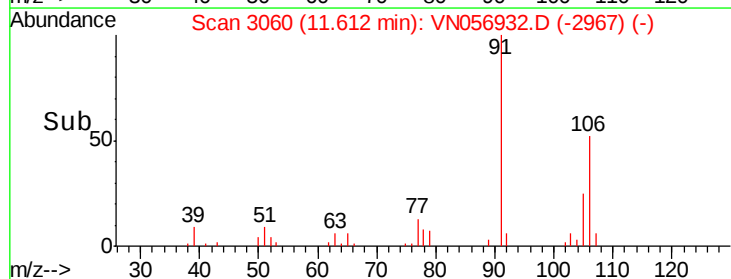
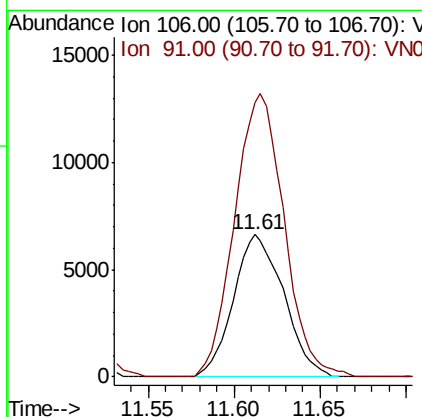
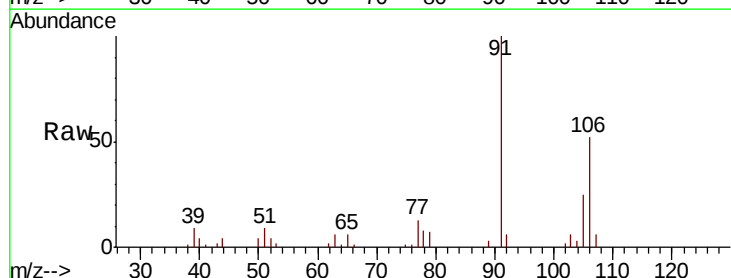
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

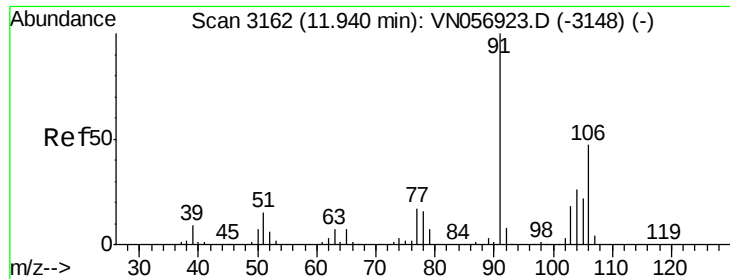
Tot Ion: 91 Resp: 19033
Ion Ratio Lower Upper
91 100
106 35.6 24.9 37.3



#68
m/p-Xylenes
Concen: 1.821 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 106 Resp: 13427
Ion Ratio Lower Upper
106 100
91 196.6 159.6 239.4

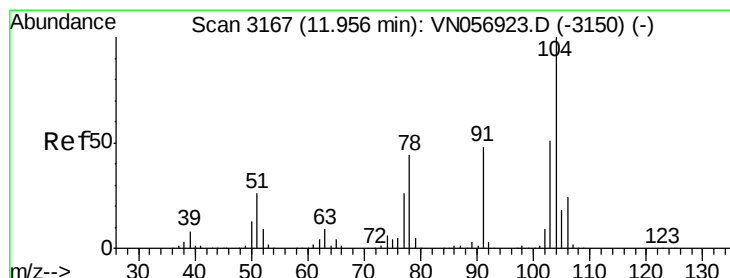
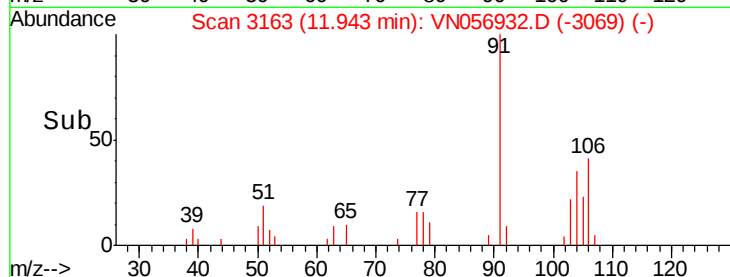
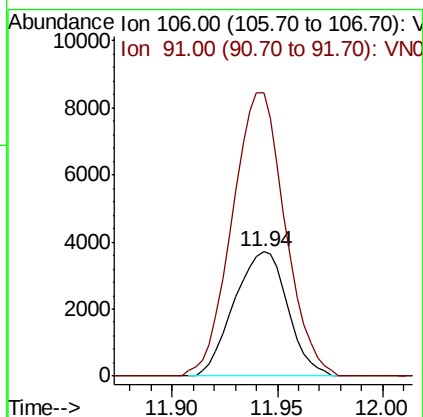
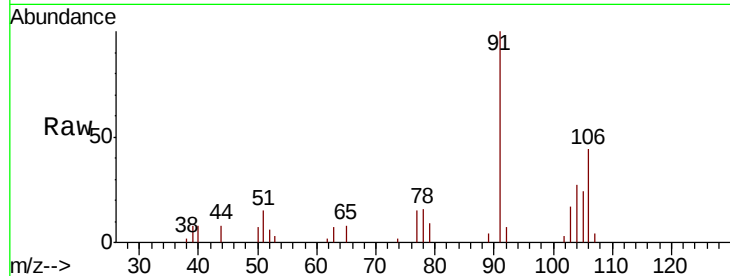




#69
o-Xylene
Concen: 0.907 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

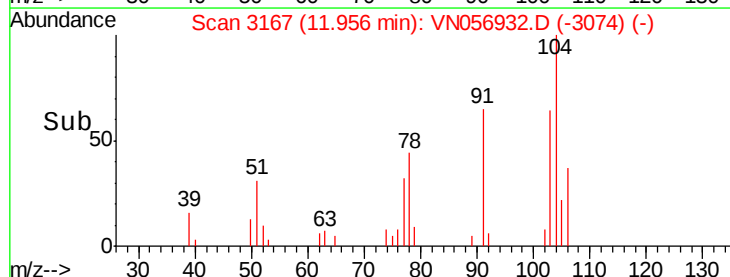
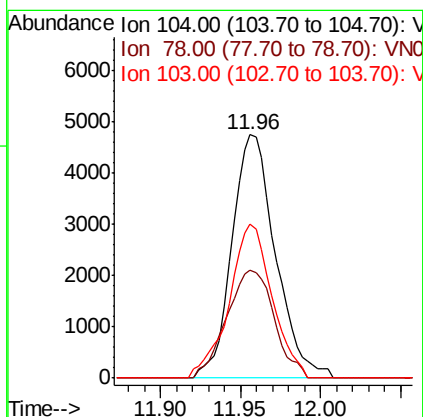
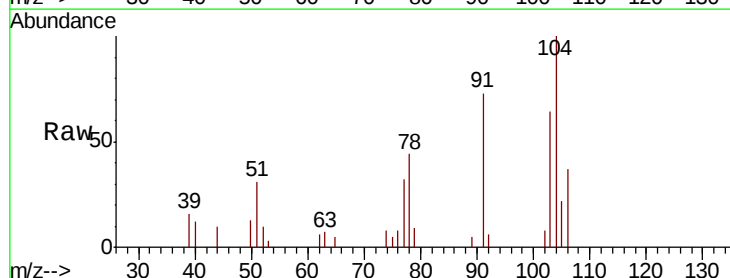
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

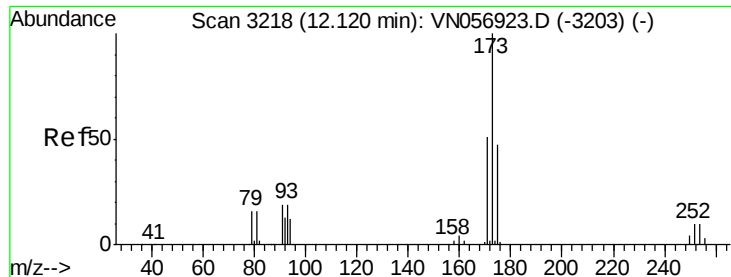
Tot Ion:106 Resp: 6547
Ion Ratio Lower Upper
106 100
91 225.1 105.7 317.0



#70
Styrene
Concen: 0.771 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:104 Resp: 8819
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 62.3 44.1 66.1





#71

Bromoform

Concen: 0.831 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

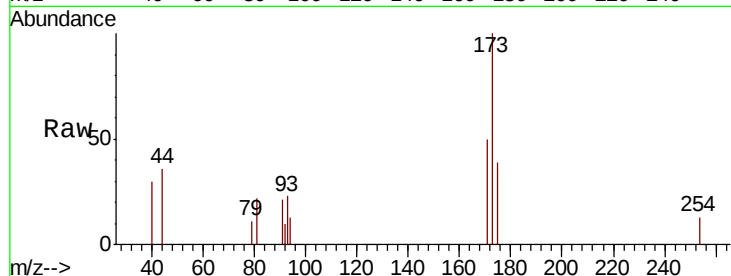
Tot Ion:173 Resp: 2466

Ion Ratio Lower Upper

173 100

175 38.2 24.2 72.6

254 0.0 0.1 0.1#

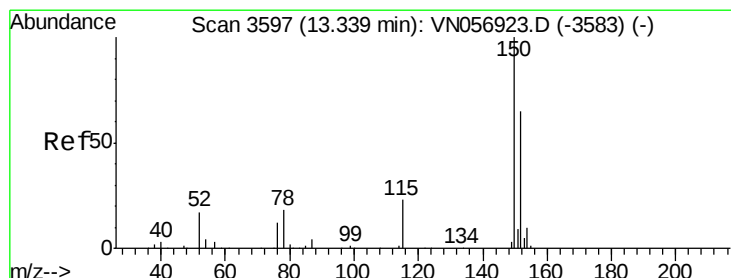
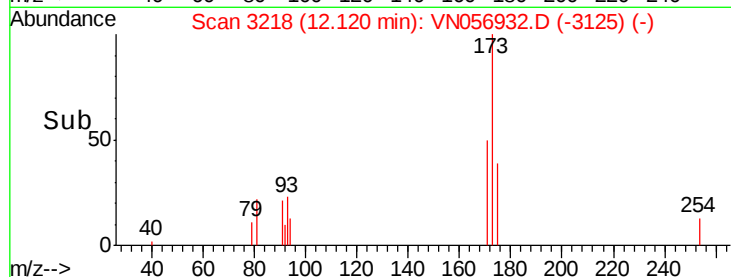
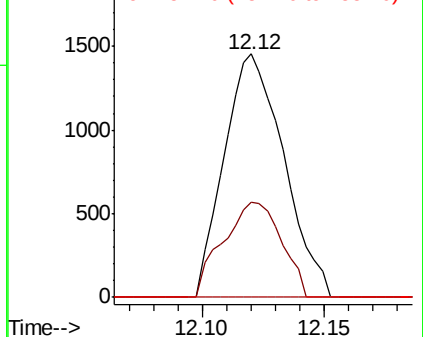


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

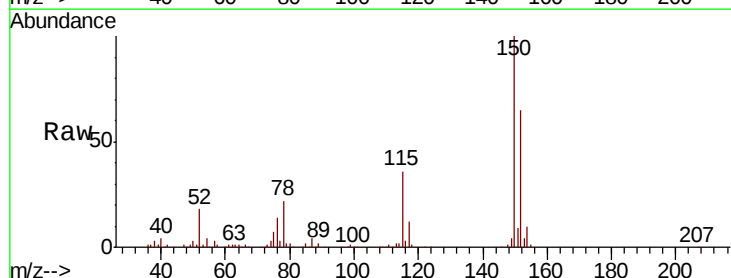
Tgt Ion:152 Resp: 157876

Ion Ratio Lower Upper

152 100

115 56.2 27.9 83.7

150 153.8 0.0 354.2

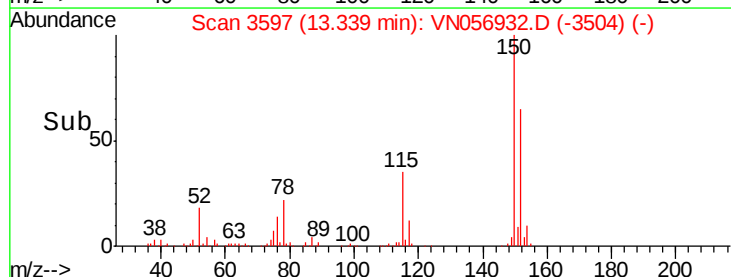
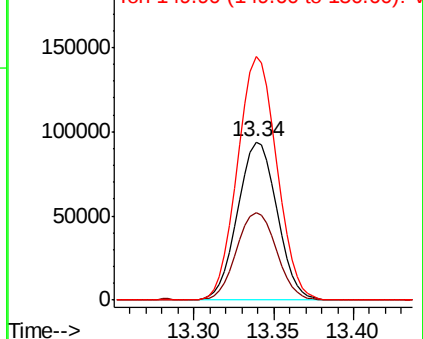


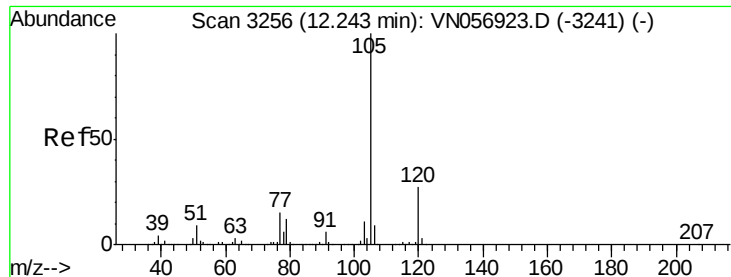
Abundance

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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

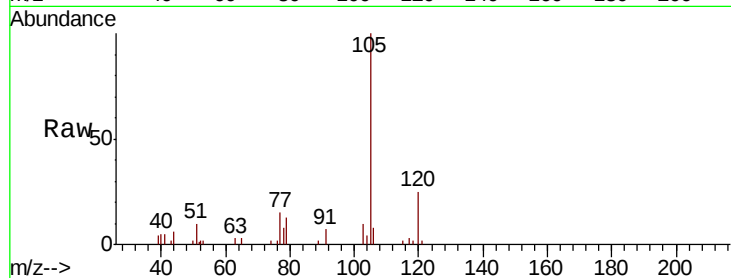
LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 16410

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

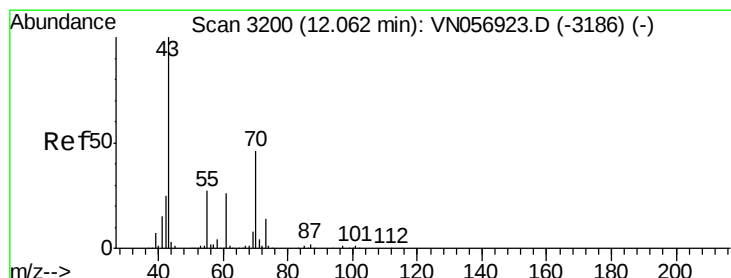
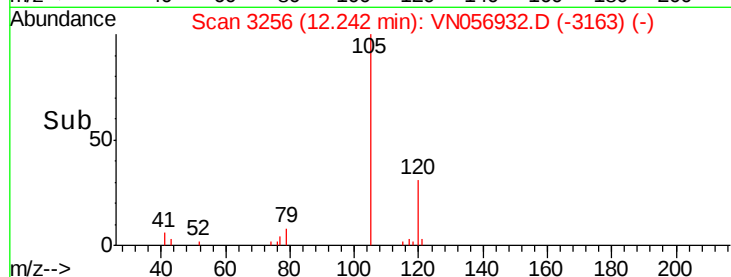
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 1.222 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion: 43 Resp: 5153

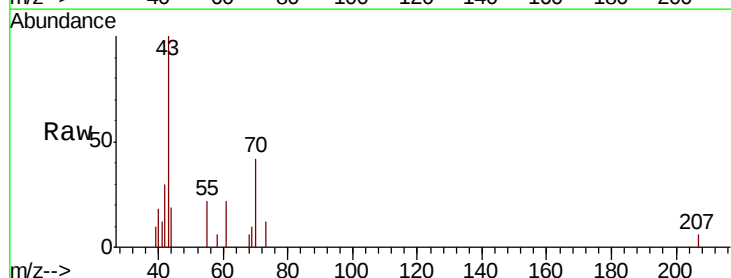
Ion Ratio Lower Upper

43 100

70 36.3 35.9 53.9

55 23.3 21.4 32.2

61 19.1 20.3 30.5#



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

4000

3000

2000

1000

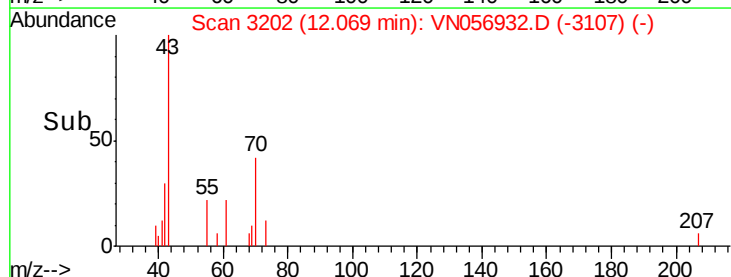
0

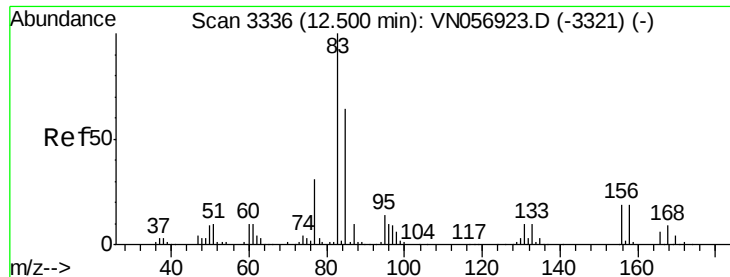
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.270 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

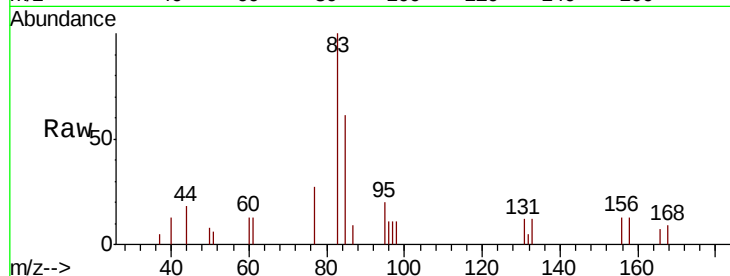
Tot Ion: 83 Resp: 5258

Ion Ratio Lower Upper

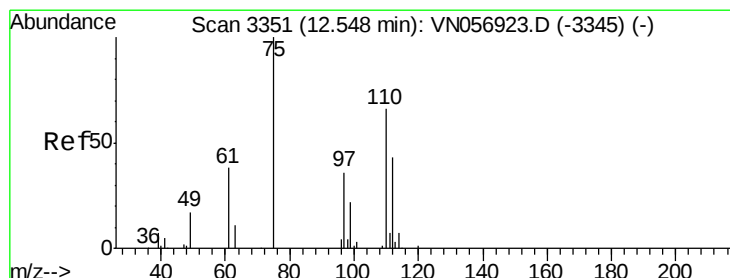
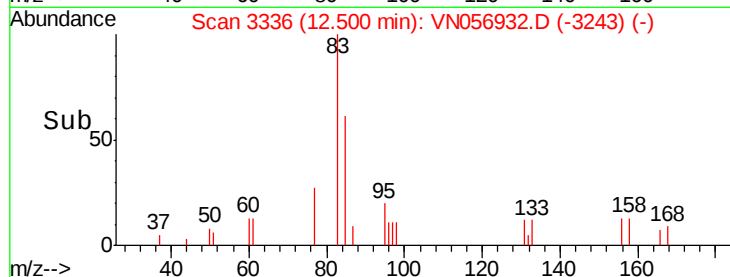
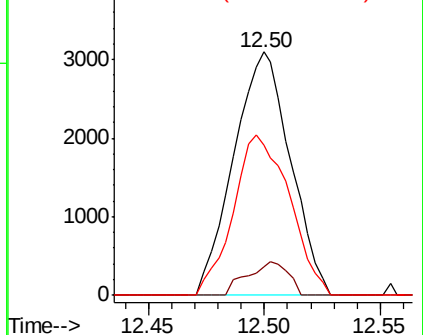
83 100

131 9.8 5.3 15.8

85 65.2 32.3 96.9



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: 1.588 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056932.D

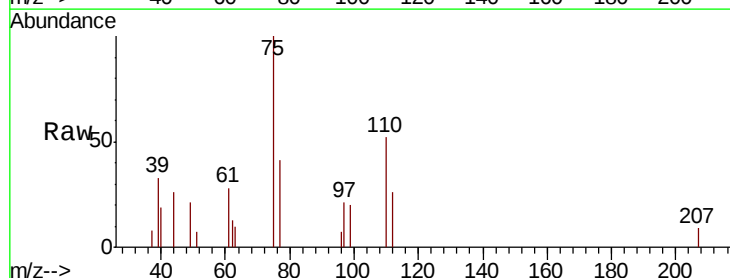
Acq: 25 Jul 2019 20:28

Tgt Ion: 75 Resp: 5019

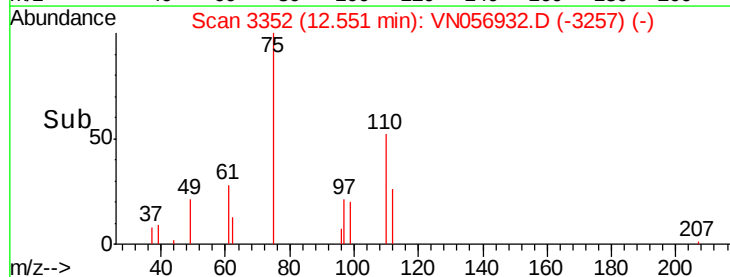
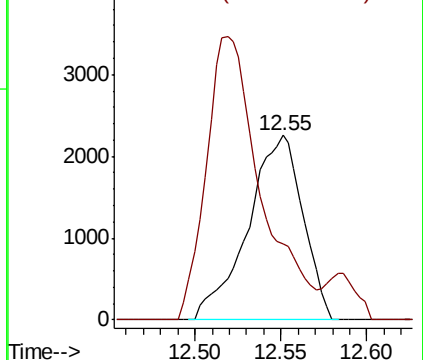
Ion Ratio Lower Upper

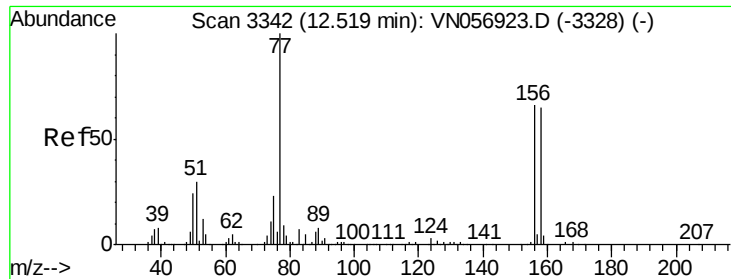
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0

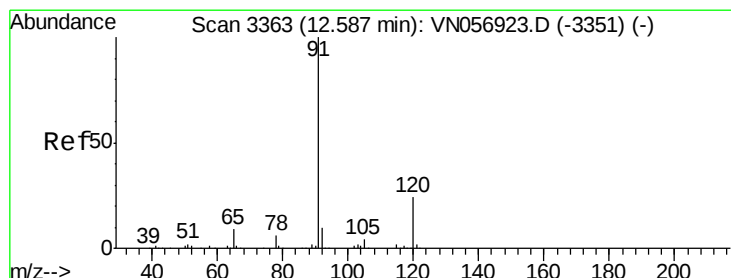
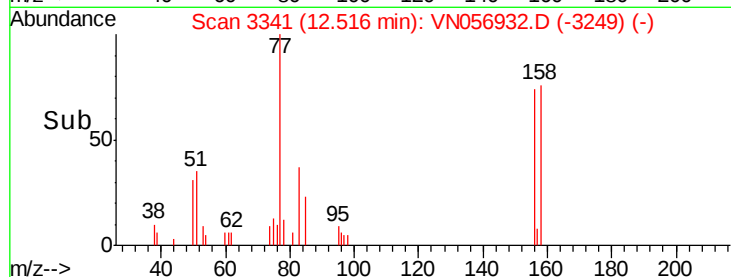
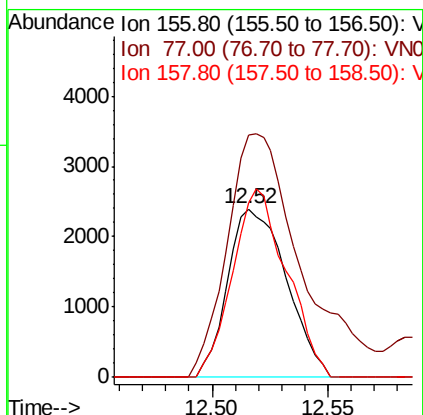
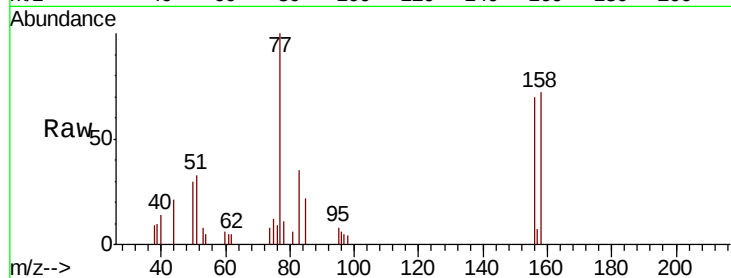




#77
Bromobenzene
Concen: 1.149 ug/l
RT: 12.52 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

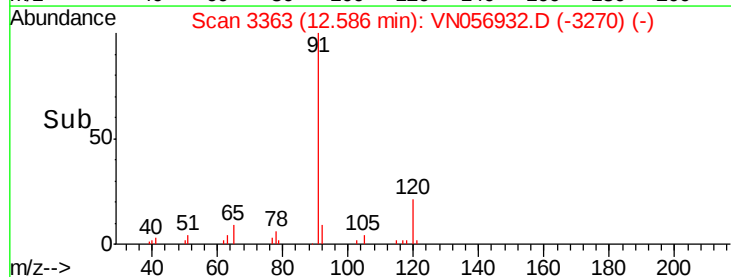
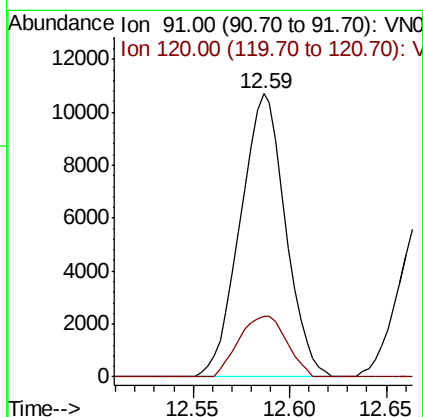
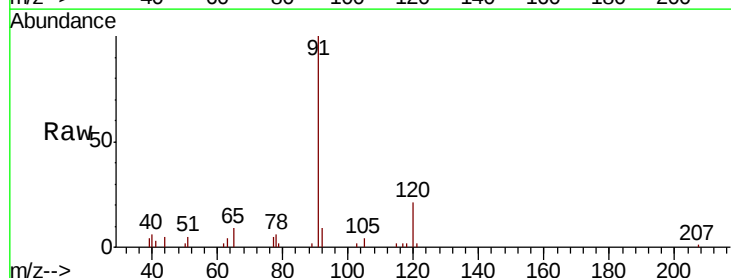
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

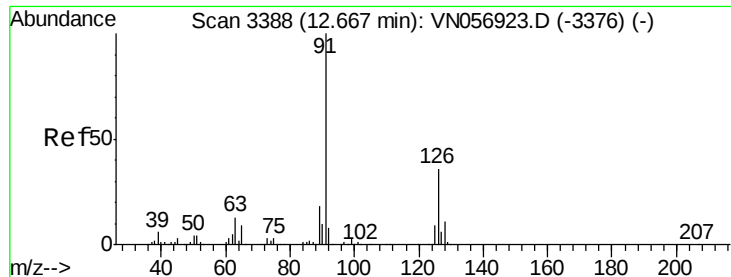
Tot Ion:156 Resp: 4219
Ion Ratio Lower Upper
156 100
77 181.9 90.8 272.3
158 103.1 49.5 148.5



#78
n-propylbenzene
Concen: 1.146 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 91 Resp: 17387
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.7





#79

2-Chlorotoluene

Concen: 1.181 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

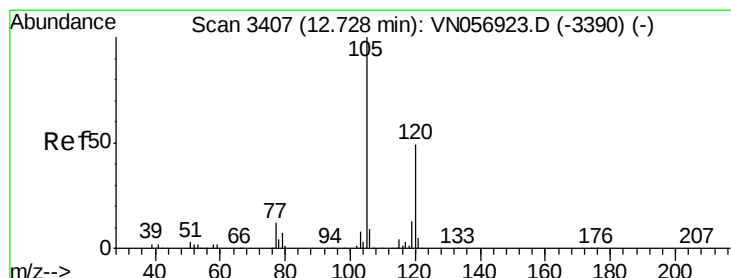
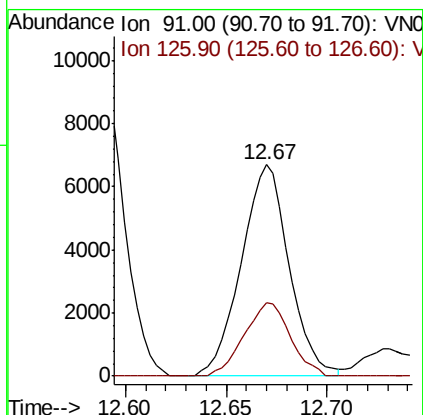
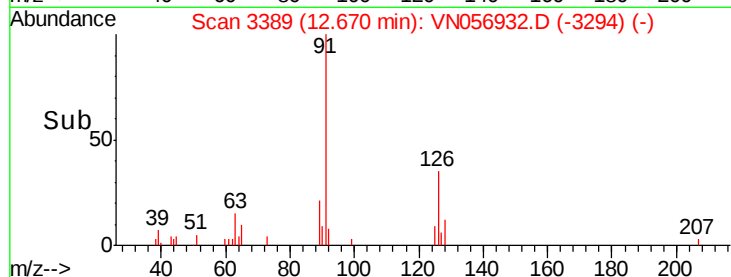
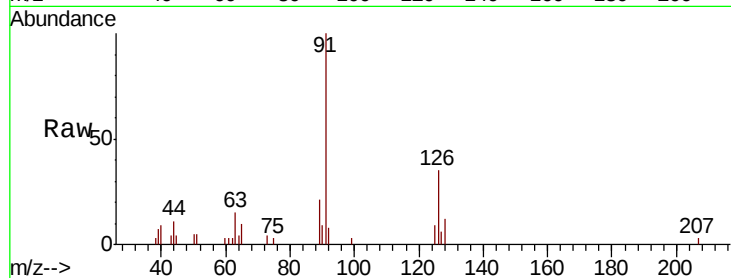
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 11157

Ion Ratio Lower Upper

91 100

126 33.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 1.113 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056932.D

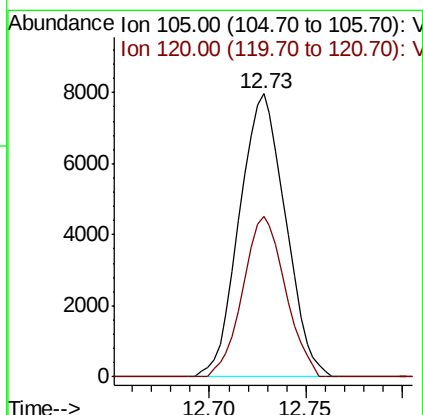
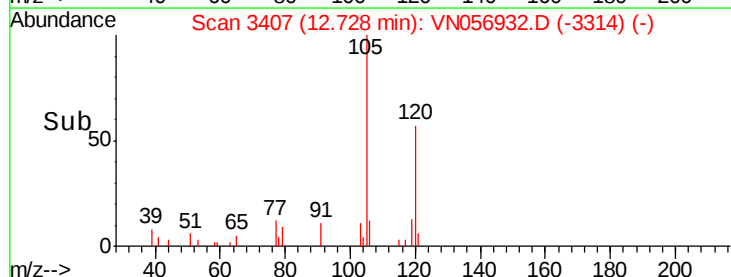
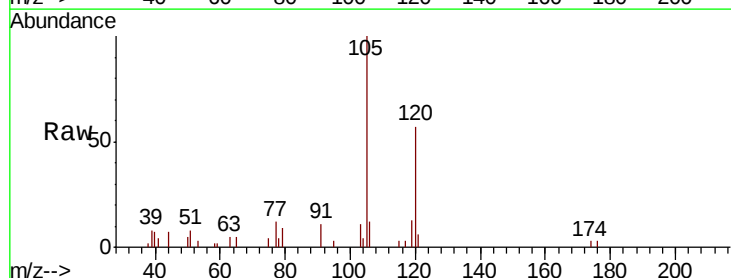
Acq: 25 Jul 2019 20:28

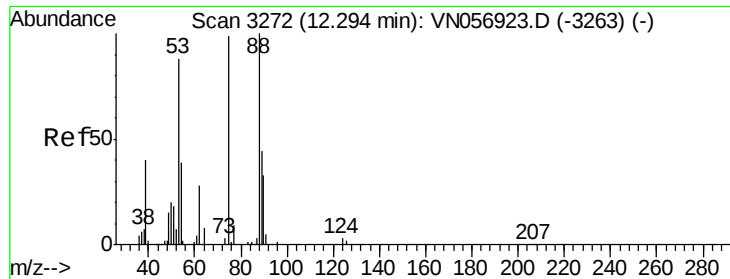
Tgt Ion: 105 Resp: 13210

Ion Ratio Lower Upper

105 100

120 52.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 91.848 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

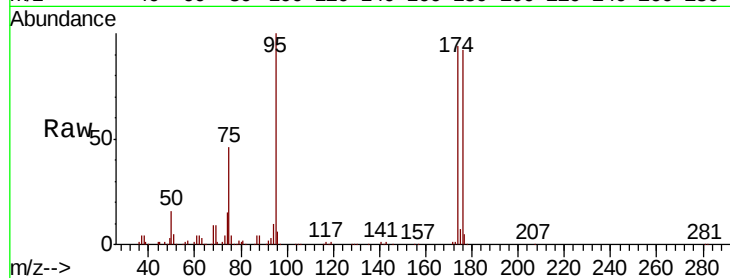
Tot Ion: 75 Resp: 92054

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

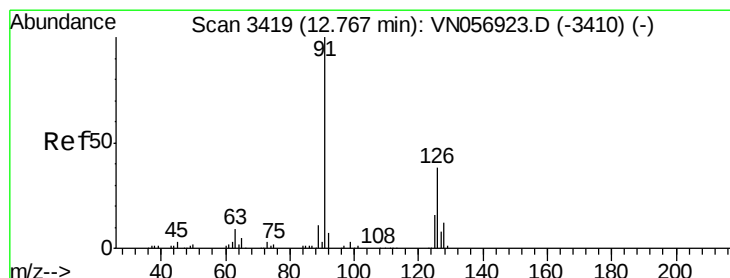
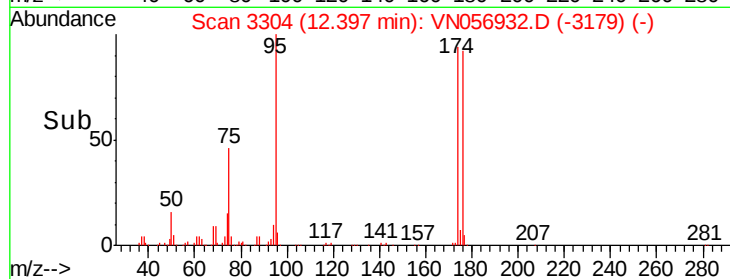
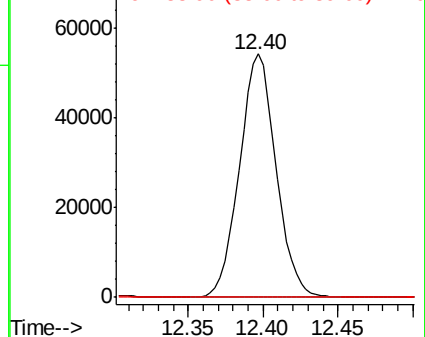
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.045 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056932.D

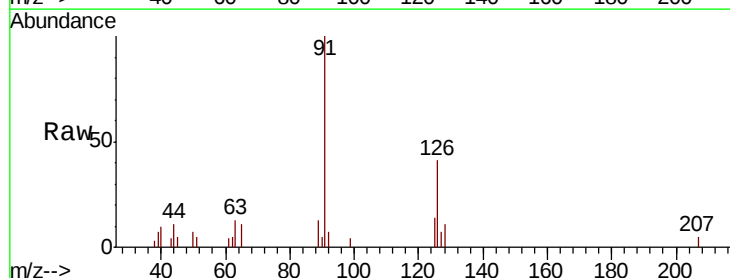
Acq: 25 Jul 2019 20:28

Tgt Ion: 91 Resp: 9072

Ion Ratio Lower Upper

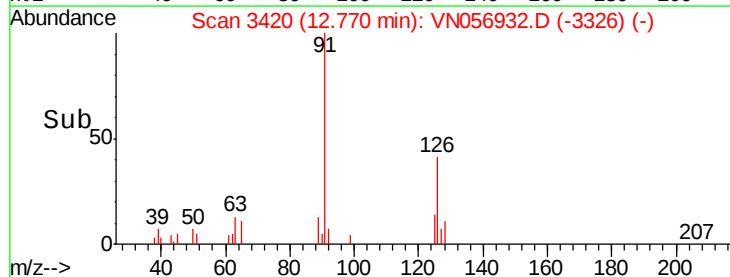
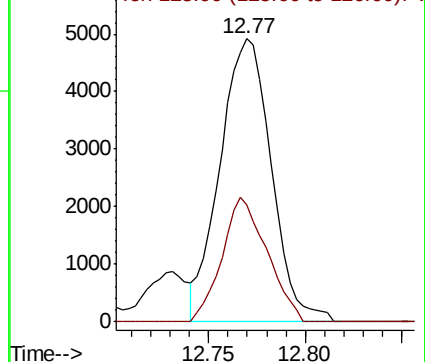
91 100

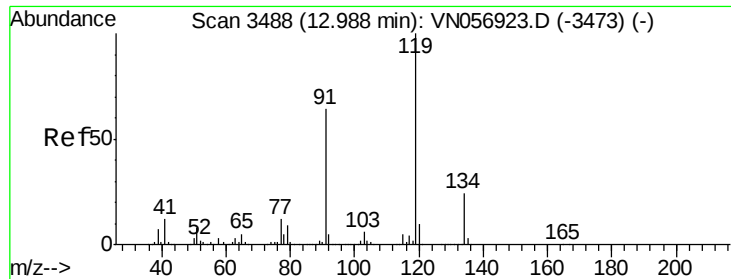
126 38.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

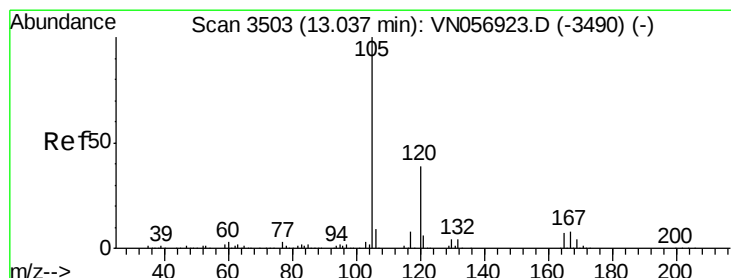
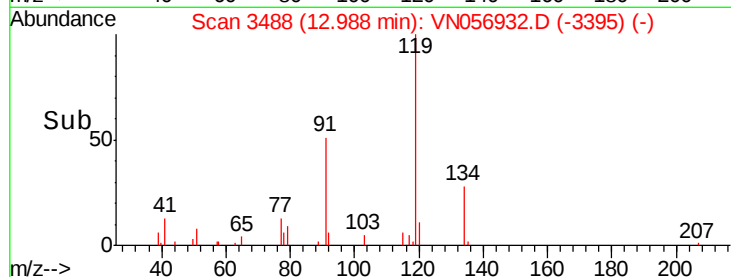
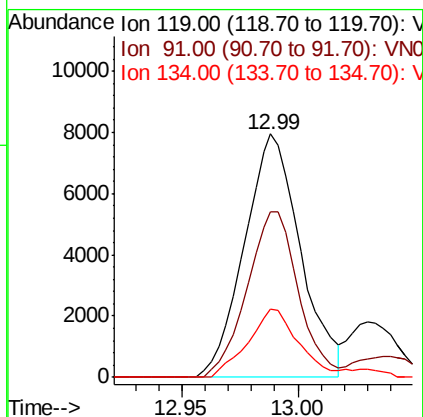
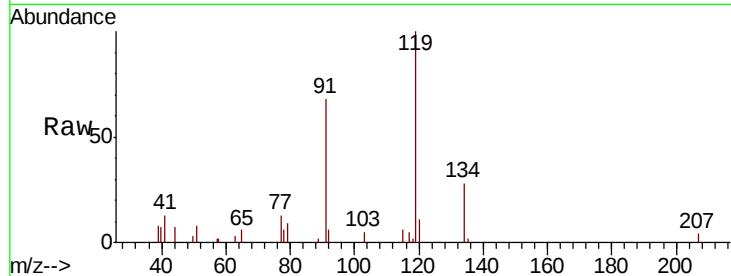




#83
tert-Butylbenzene
Concen: 1.278 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

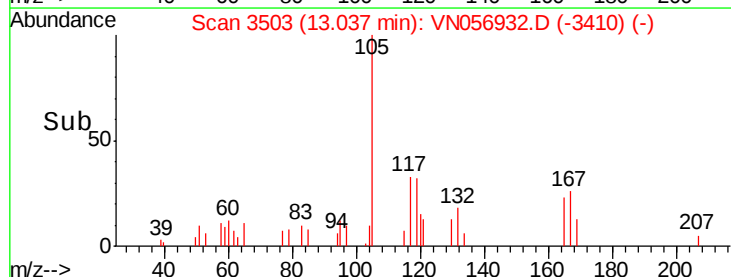
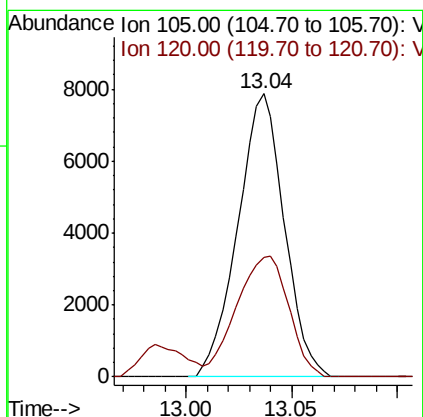
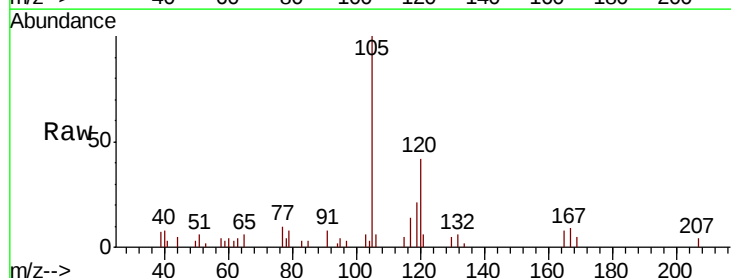
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

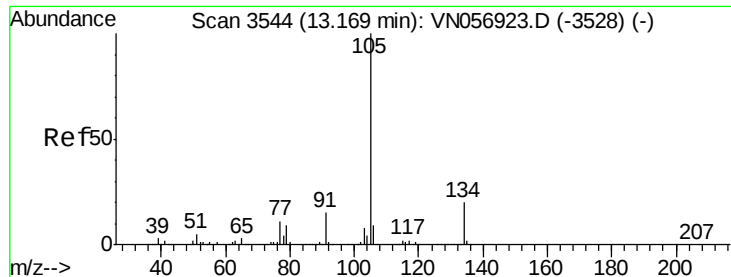
Tot Ion:119 Resp: 13362
Ion Ratio Lower Upper
119 100
91 62.2 31.6 95.0
134 25.2 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 1.072 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:105 Resp: 12041
Ion Ratio Lower Upper
105 100
120 48.1 23.1 69.2

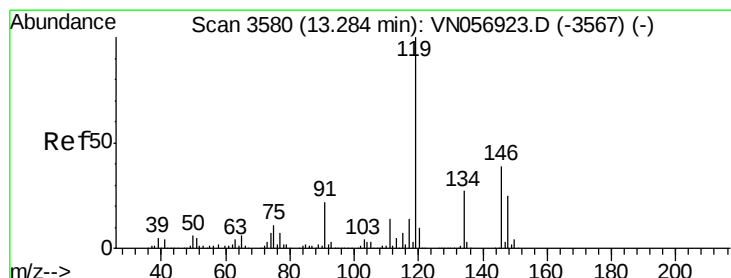
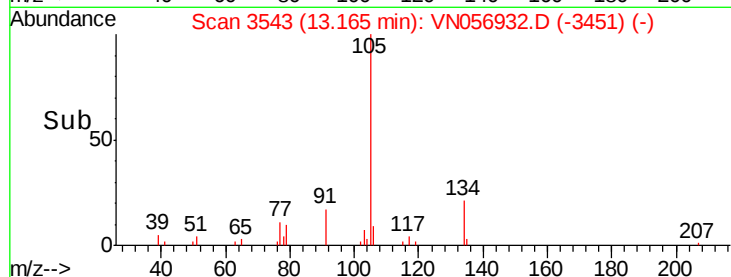
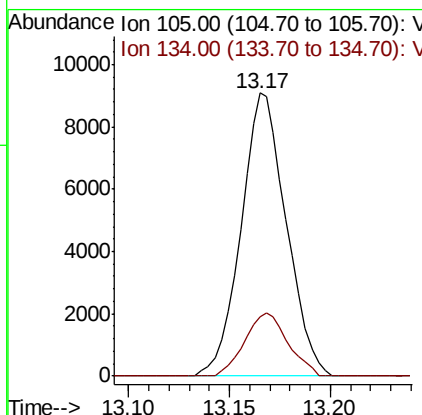
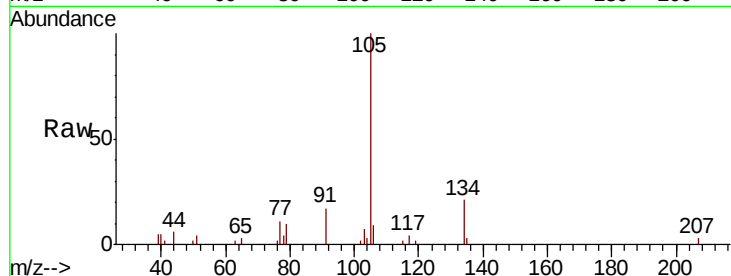




#85
 sec-Butylbenzene
 Concen: 1.072 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

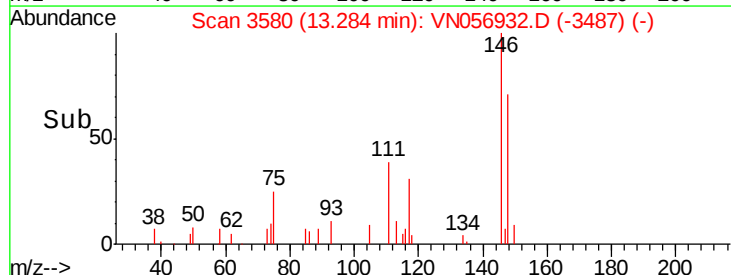
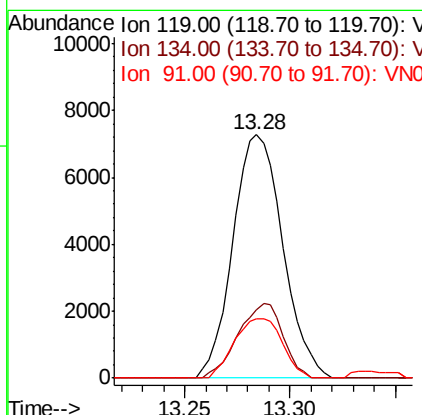
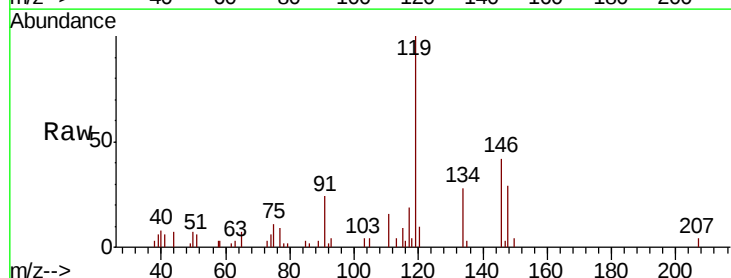
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

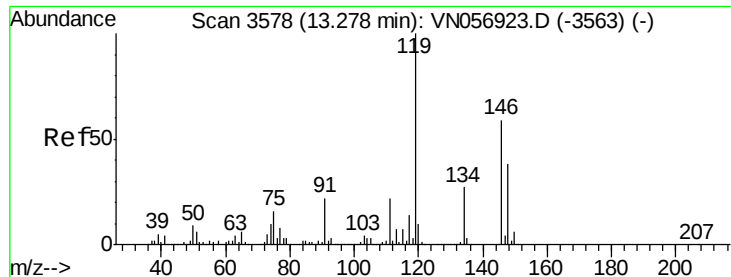
Tot Ion:105 Resp: 14174
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 1.022 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion:119 Resp: 11935
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.5 40.5
 91 23.5 11.0 33.0

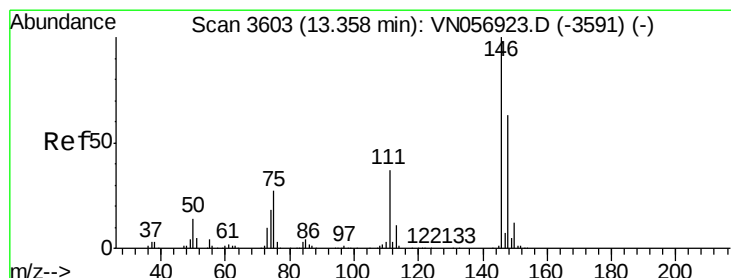
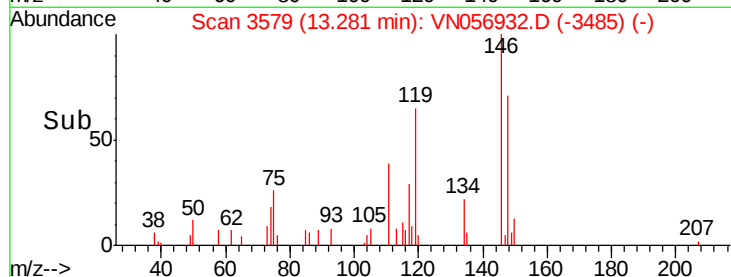
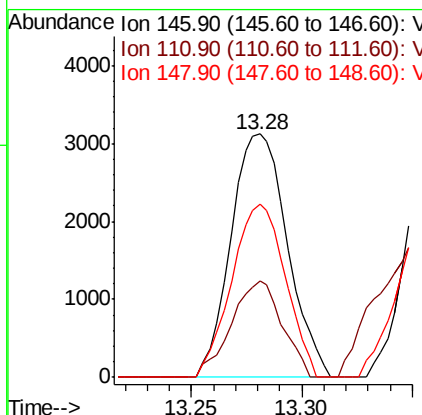
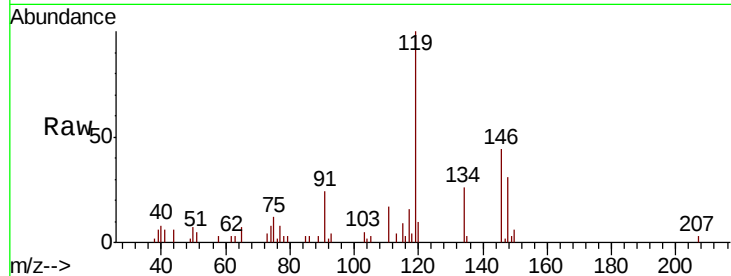




#87
 1,3-Dichlorobenzene
 Concen: 1.006 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

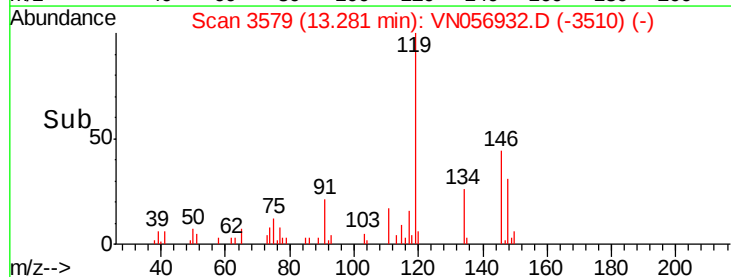
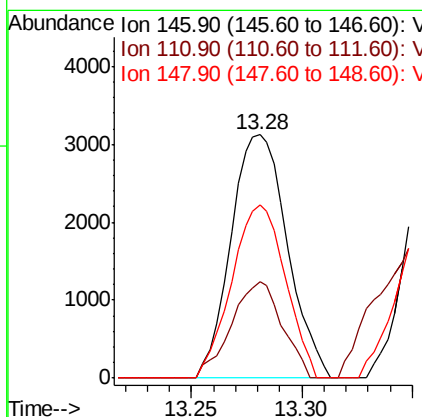
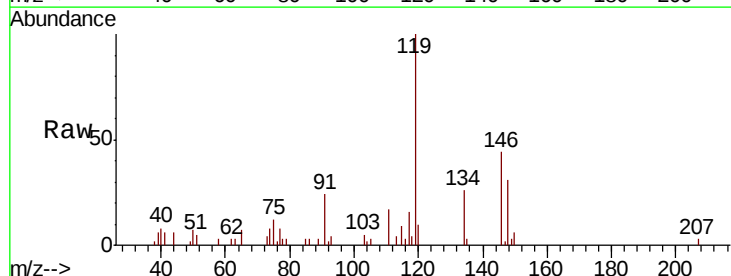
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

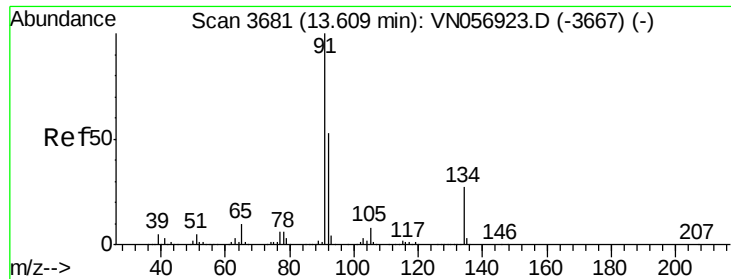
Tot Ion:146 Resp: 5526
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.6 56.0
 148 67.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 1.050 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion:146 Resp: 5526
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.9 56.5
 148 67.6 32.1 96.3

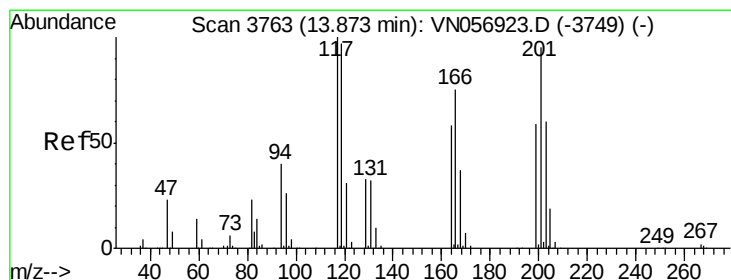
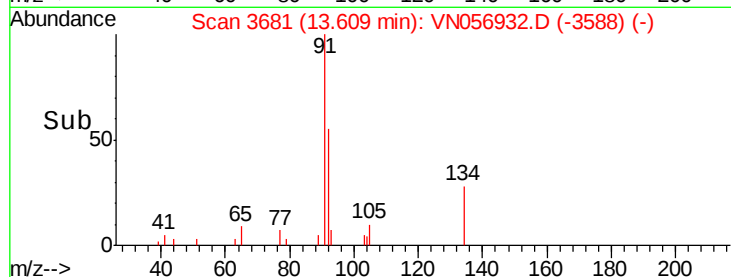
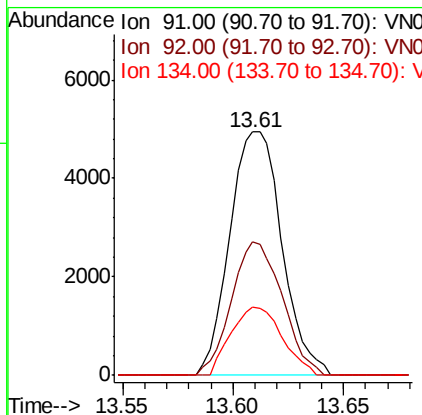
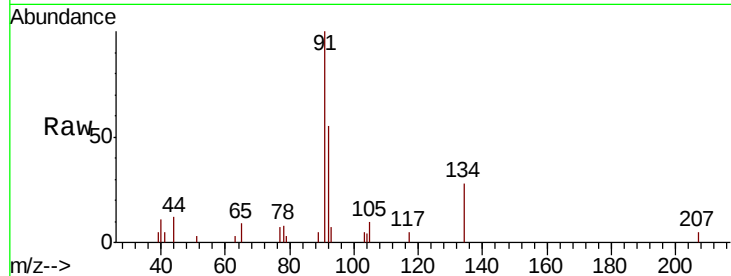




#89
n-Butylbenzene
Concen: 0.901 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

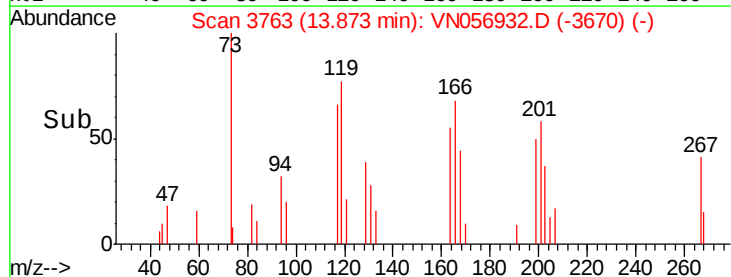
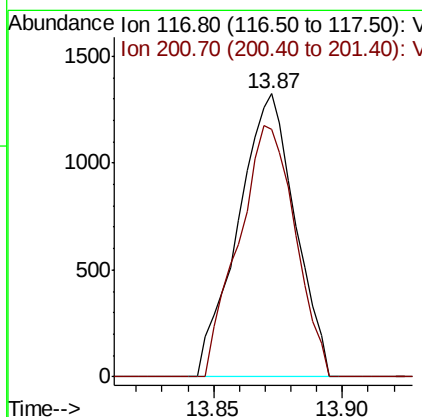
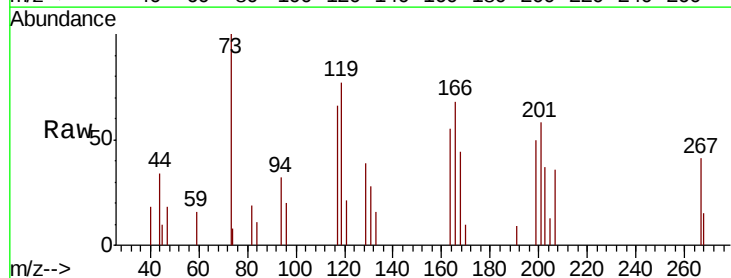
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

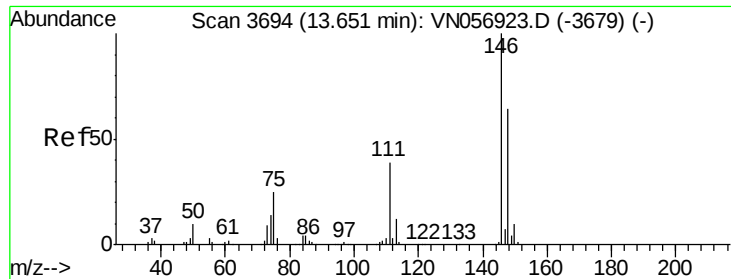
Tot Ion: 91 Resp: 8127
Ion Ratio Lower Upper
91 100
92 53.2 26.5 79.5
134 27.4 13.5 40.5



#90
Hexachloroethane
Concen: 0.992 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 117 Resp: 2052
Ion Ratio Lower Upper
117 100
201 87.9 47.3 142.0





#91

1,2-Dichlorobenzene

Concen: 1.042 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

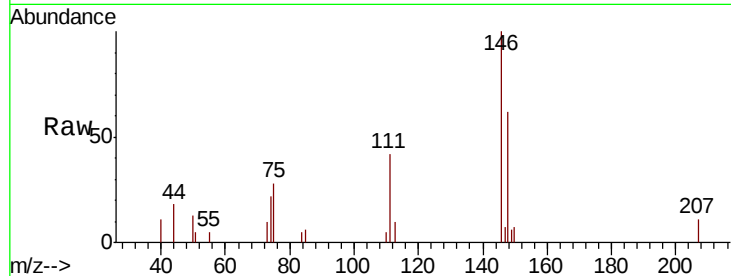
Tot Ion:146 Resp: 5800

Ion Ratio Lower Upper

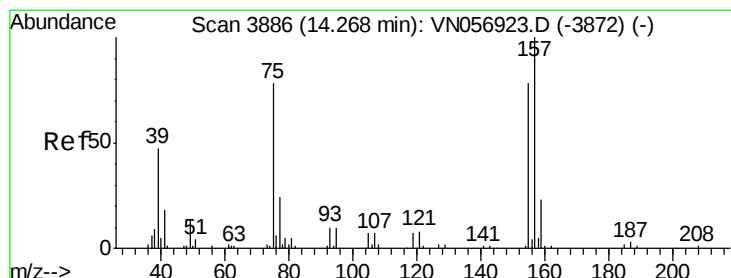
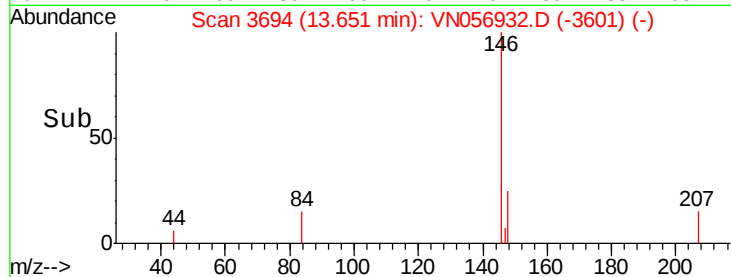
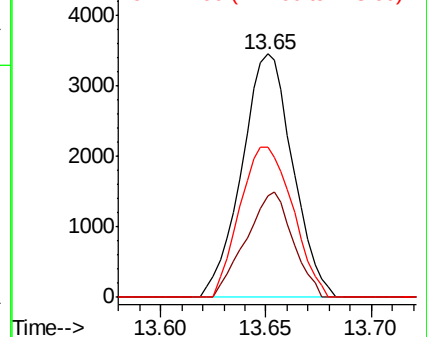
146 100

111 39.6 19.6 58.8

148 63.9 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.867 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

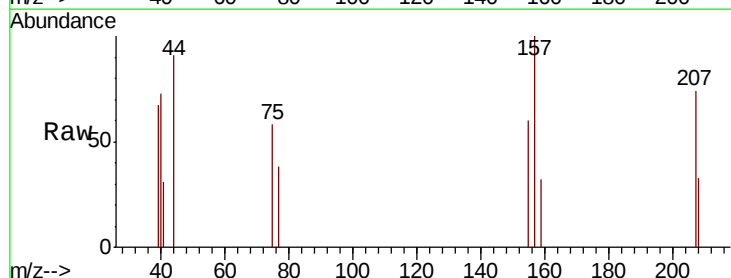
Tgt Ion: 75 Resp: 490

Ion Ratio Lower Upper

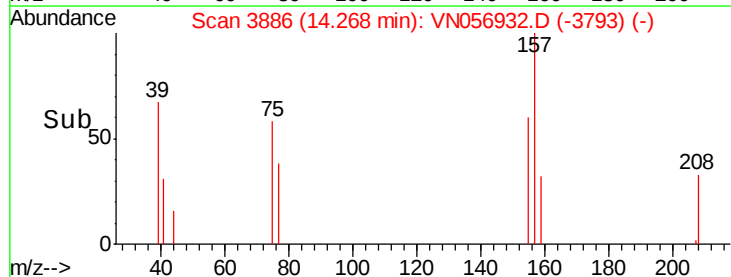
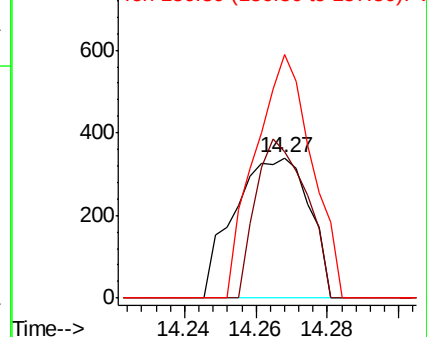
75 100

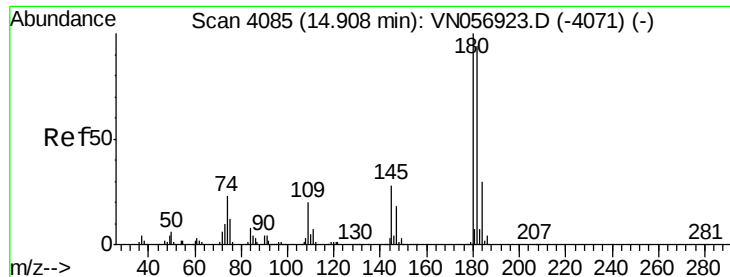
155 77.1 47.3 141.9

157 132.2 63.0 189.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

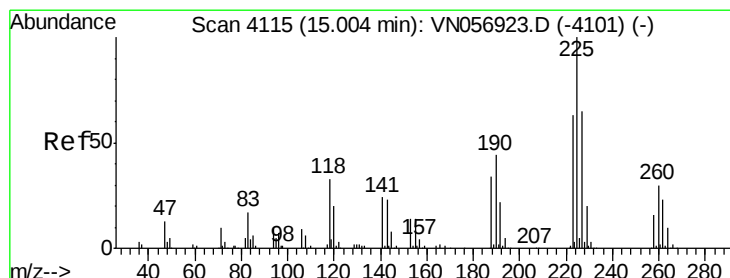
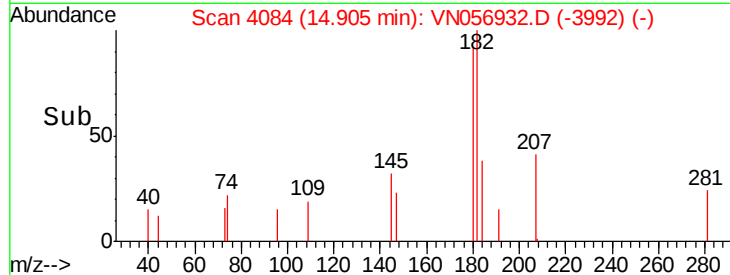
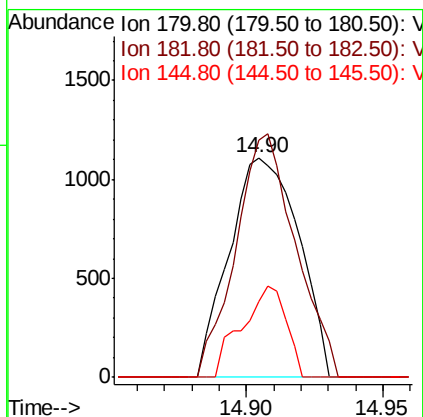
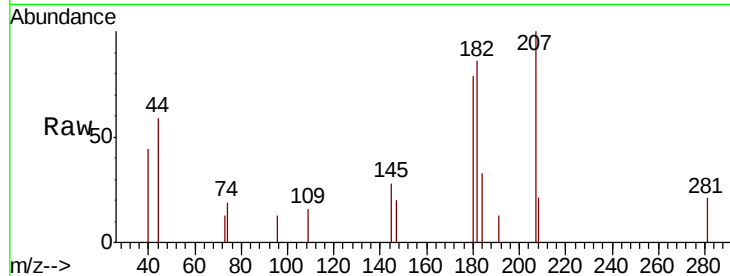




#93
 1,2,4-Trichlorobenzene
 Concen: 0.854 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

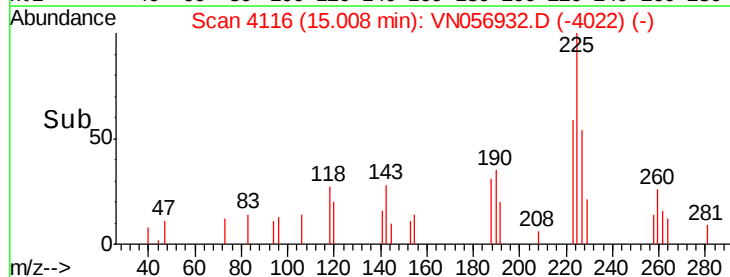
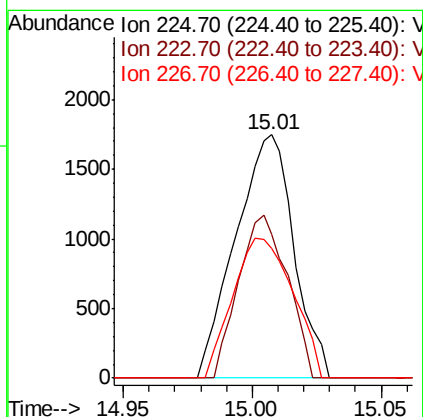
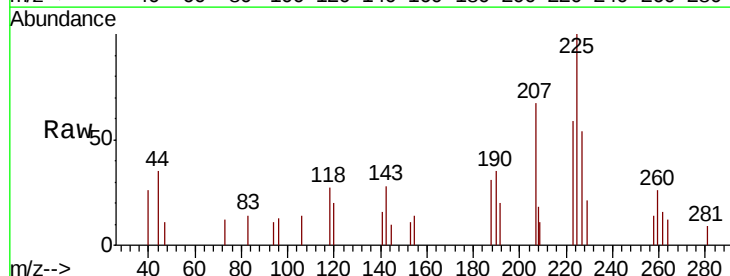
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

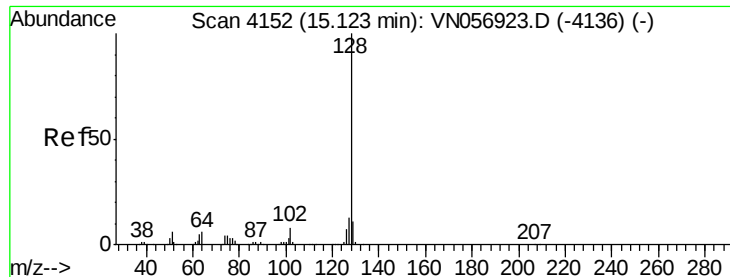
Tot Ion:180 Resp: 1964
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.8
 145 26.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 1.227 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion:225 Resp: 2757
 Ion Ratio Lower Upper
 225 100
 223 56.2 31.3 93.9
 227 59.2 31.9 95.7





#95

Naphthalene

Concen: 0.825 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

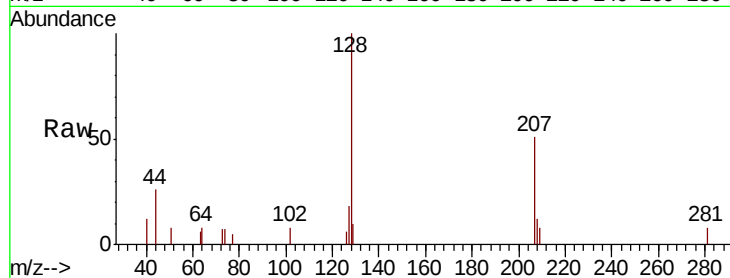
Tot Ion:128 Resp: 4795

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.2

129 11.2 8.6 13.0

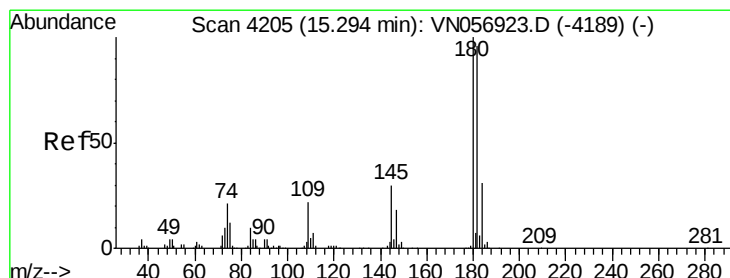
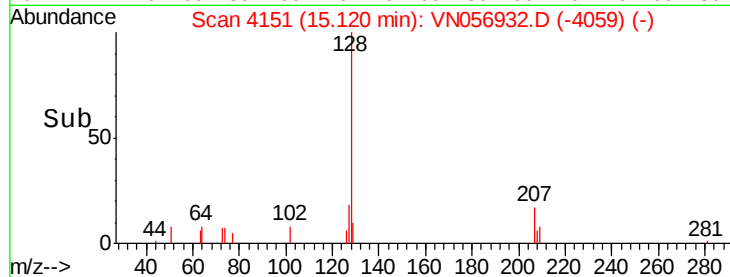
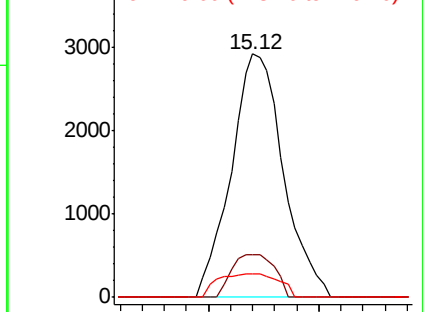


Abundance

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: 0.837 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

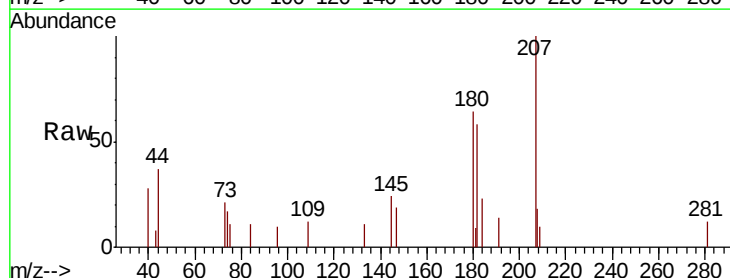
Tgt Ion:180 Resp: 2090

Ion Ratio Lower Upper

180 100

182 58.1 48.4 145.3

145 34.7 15.1 45.3



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

