

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056933.D
 Acq On : 25 Jul 2019 20:51
 Operator : JC/SP
 Sample : K3591-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jul 26 04:55:33 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	455320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	590166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	238623	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	7.58	113	212780	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	10.08	98	801800	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.40	95	227063	41.32	ug/l	0.00
Spiked Amount			Recovery	=	82.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	18933	3.857	ug/l	96
3) Chloromethane	2.05	50	26039	4.437	ug/l	98
4) Vinyl Chloride	2.17	62	24915	4.509	ug/l	96
5) Bromomethane	2.54	94	18156	5.432	ug/l	98
6) Chloroethane	2.68	64	14616	4.765	ug/l	100
7) Trichlorofluoromethane	3.00	101	33526	4.655	ug/l	99
8) Diethyl Ether	3.39	74	13147	4.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21511	4.861	ug/l	99
10) Methyl Iodide	3.93	142	24257	3.731	ug/l	99
11) Tert butyl alcohol	4.77	59	21539	31.690	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	20749	4.856	ug/l	96
13) Acrolein	3.59	56	10332	27.125	ug/l	98
14) Allyl chloride	4.30	41	31560	4.552	ug/l	96
15) Acrylonitrile	4.97	53	46721	23.886	ug/l	98
16) Acetone	3.80	43	36210	22.505	ug/l	96
17) Carbon Disulfide	4.03	76	49703	4.319	ug/l	99
18) Methyl Acetate	4.31	43	26635	4.728	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	58968	4.693	ug/l	99
20) Methylene Chloride	4.53	84	24723	4.852	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	12683	2.774	ug/l	94
22) Diisopropyl ether	5.93	45	67912	4.810	ug/l	91
23) Vinyl Acetate	5.88	43	225279	23.163	ug/l	100
24) 1,1-Dichloroethane	5.82	63	40415	4.872	ug/l	96
25) 2-Butanone	6.82	43	56797	22.933	ug/l	97
26) 2,2-Dichloropropane	6.81	77	26089	4.286	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	25255	4.840	ug/l	99
28) Bromochloromethane	7.18	49	17799	4.650	ug/l	96
29) Tetrahydrofuran	7.20	42	39395	24.275	ug/l	99
30) Chloroform	7.36	83	40464	4.737	ug/l	93
31) Cyclohexane	7.64	56	43054	5.334	ug/l #	80
32) 1,1,1-Trichloroethane	7.56	97	32225	4.710	ug/l	99
36) 1,1-Dichloropropene	7.78	75	30080	4.736	ug/l	96
37) Ethyl Acetate	6.92	43	21892	4.254	ug/l	96
38) Carbon Tetrachloride	7.76	117	27988	4.633	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	35257	4.555	ug/l	95
40) Benzene	8.03	78	94374	4.765	ug/l	99
41) Methacrylonitrile	7.16	41	9164	4.049	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	30385	4.967	ug/l	98
43) Isopropyl Acetate	8.15	43	38758	4.578	ug/l #	90
44) Trichloroethene	8.82	130	24022	4.446	ug/l	89
45) 1,2-Dichloropropane	9.11	63	24629	4.627	ug/l	100
46) Dibromomethane	9.20	93	14811	4.616	ug/l	96
47) Bromodichloromethane	9.39	83	28611	4.566	ug/l	95
48) Methyl methacrylate	9.19	41	19280	4.743	ug/l	97
49) 1,4-Dioxane	9.19	88	7364	86.524	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	116400	23.122	ug/l	97
52) Toluene	10.15	92	56387	4.747	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	26298	4.163	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	30264	4.069	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	22109	4.644	ug/l	98
56) Ethyl methacrylate	10.42	69	28680	4.481	ug/l	98
57) 1,3-Dichloropropane	10.70	76	37357	4.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	53145	21.066	ug/l	99
59) 2-Hexanone	10.74	43	75270	21.810	ug/l	99
60) Dibromochloromethane	10.89	129	19940	4.123	ug/l	97
61) 1,2-Dibromoethane	11.00	107	21541	4.559	ug/l	97
64) Tetrachloroethene	10.62	164	27456	5.093	ug/l	97
65) Chlorobenzene	11.43	112	58965	4.775	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	20881	4.547	ug/l	93
67) Ethyl Benzene	11.50	91	99560	4.683	ug/l	100
68) m/p-Xylenes	11.61	106	72865	9.192	ug/l	99
69) o-Xylene	11.94	106	35903	4.628	ug/l	100
70) Styrene	11.96	104	53288	4.337	ug/l	99
71) Bromoform	12.12	173	13603	4.265	ug/l #	93
73) Isopropylbenzene	12.24	105	92902	2.879	ug/l	99
74) N-amyl acetate	12.06	43	27373	5.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	28011	5.474	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	31523	8.069	ug/l #	100
77) Bromobenzene	12.52	156	24319	5.359	ug/l	98
78) n-propylbenzene	12.58	91	95830	5.109	ug/l	99
79) 2-Chlorotoluene	12.67	91	60194	5.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	77562	5.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	5115	4.129	ug/l #	81
82) 4-Chlorotoluene	12.77	91	54988	5.126	ug/l	98
83) tert-Butylbenzene	12.99	119	69806	5.402	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	71325	5.136	ug/l	100
85) sec-Butylbenzene	13.17	105	83636	5.119	ug/l	100
86) p-Isopropyltoluene	13.28	119	74715	5.175	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	31745	4.675	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	32410	4.985	ug/l	96
89) n-Butylbenzene	13.61	91	51794	4.645	ug/l	96
90) Hexachloroethane	13.87	117	12148	4.753	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	33754	4.908	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3099	4.438	ug/l	96

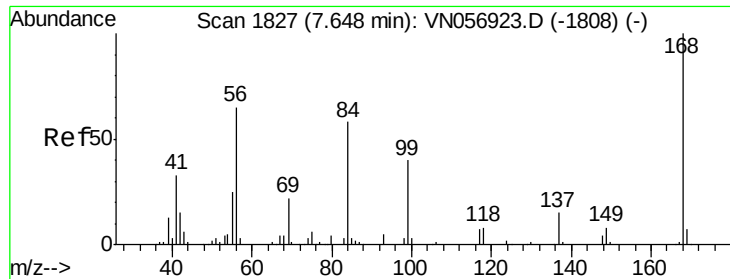
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9066	3.191	ug/l	97
94) Hexachlorobutadiene	15.00	225	13257	4.775	ug/l	95
95) Naphthalene	15.12	128	22691	3.158	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	11602	3.759	ug/l	93

(#) = 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: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

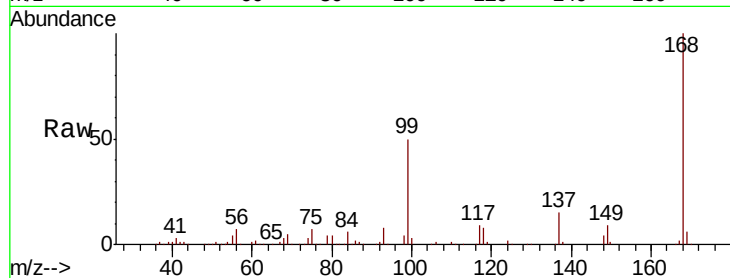
LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 455320

Ion Ratio Lower Upper

168 100

99 50.3 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

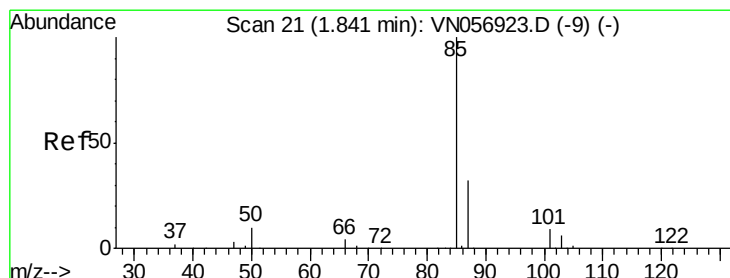
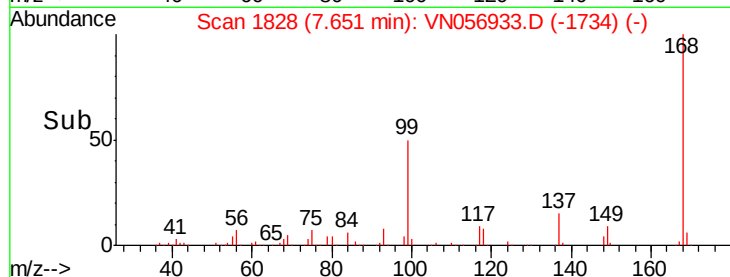
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 3.857 ug/l

RT: 1.84 min Scan# 21

Delta R.T. 0.00 min

Lab File: VN056933.D

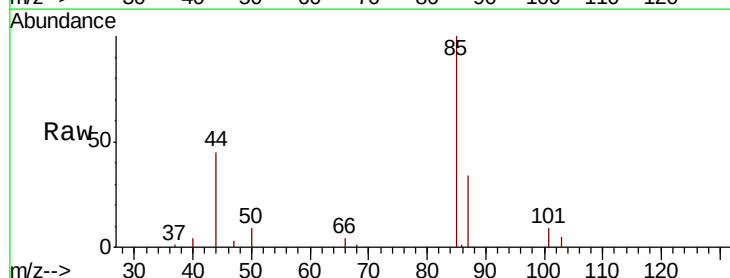
Acq: 25 Jul 2019 20:51

Tgt Ion: 85 Resp: 18933

Ion Ratio Lower Upper

85 100

87 34.3 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

15000

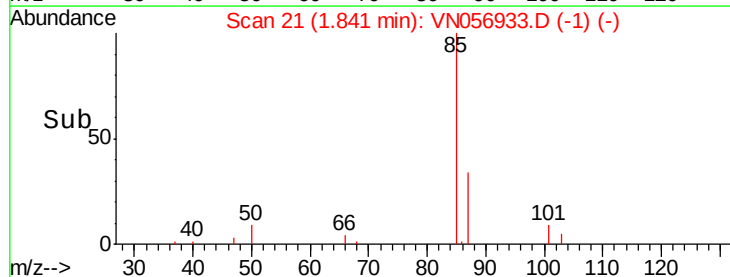
10000

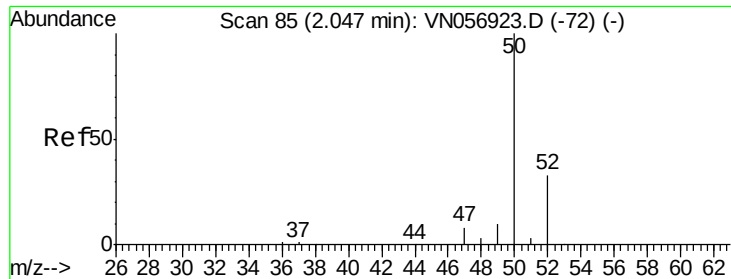
5000

0

1.80 1.85 1.90

Time-->

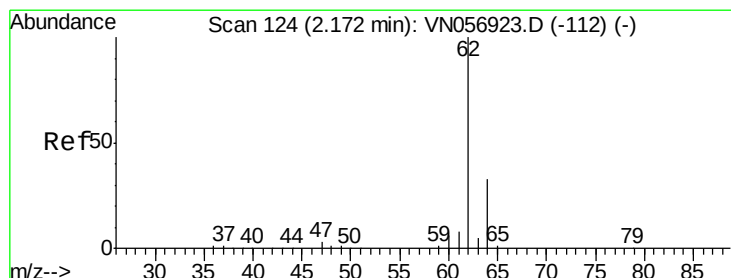
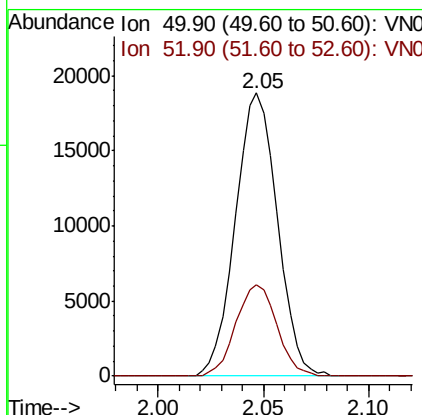
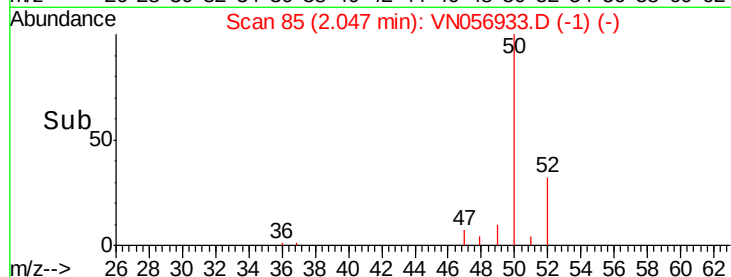
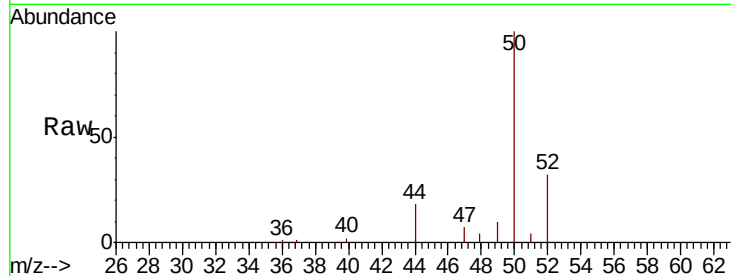




#3
 Chloromethane
 Concen: 4.437 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

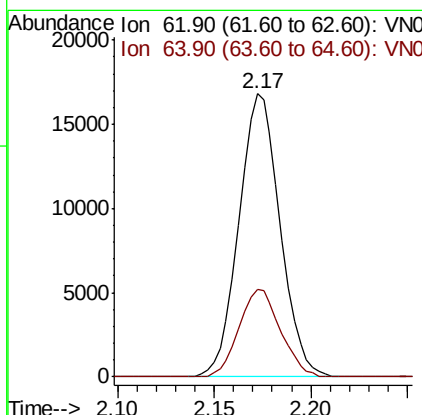
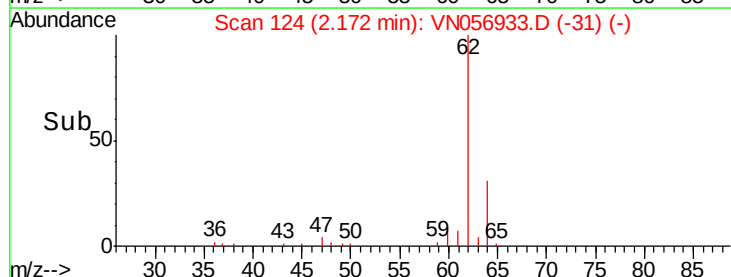
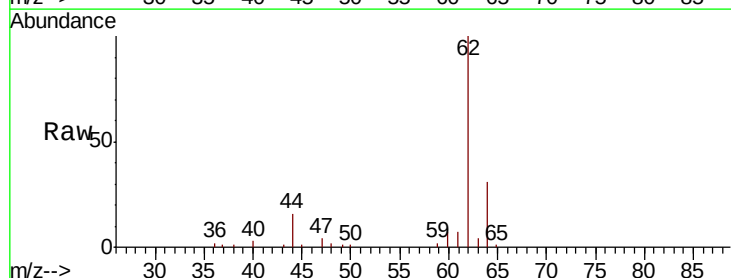
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

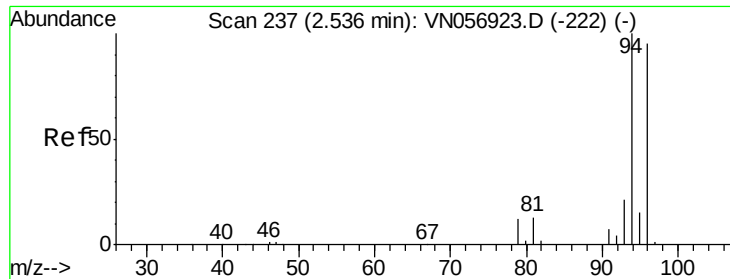
Tot Ion: 50 Resp: 26039
 Ion Ratio Lower Upper
 50 100
 52 32.4 26.8 40.2



#4
 Vinyl Chloride
 Concen: 4.509 ug/l
 RT: 2.17 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion: 62 Resp: 24915
 Ion Ratio Lower Upper
 62 100
 64 30.9 26.4 39.6





#5

Bromomethane

Concen: 5.432 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

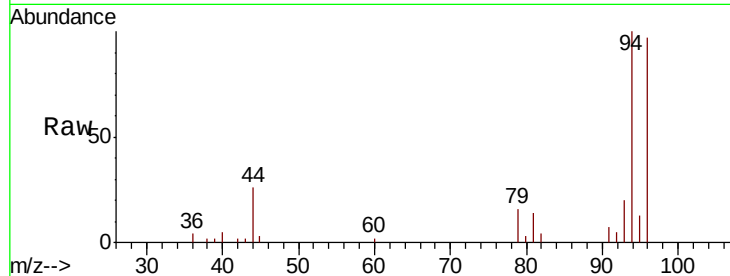
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 18156

Ion Ratio Lower Upper

94 100

96 96.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN056923.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN056923.D (-222) (-)

2.54

8000

6000

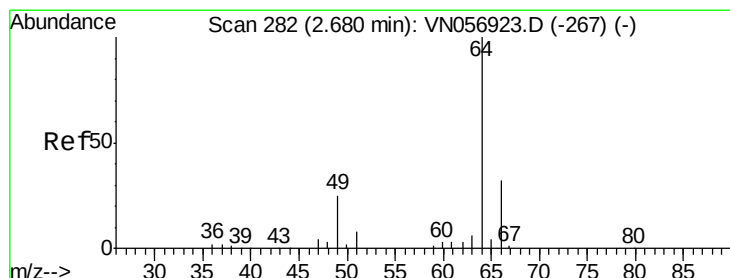
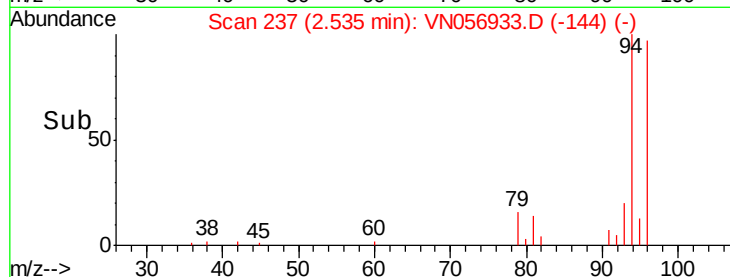
4000

2000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 4.765 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056933.D

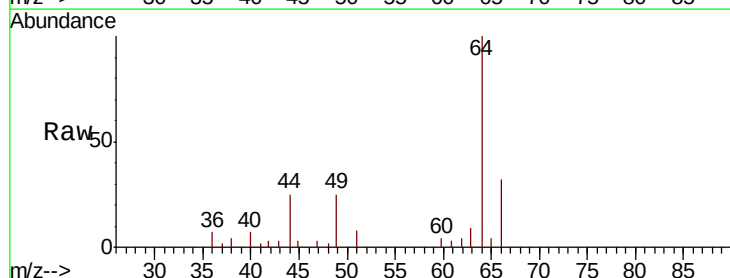
Acq: 25 Jul 2019 20:51

Tgt Ion: 64 Resp: 14616

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN056923.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN056923.D (-267) (-)

2.68

8000

6000

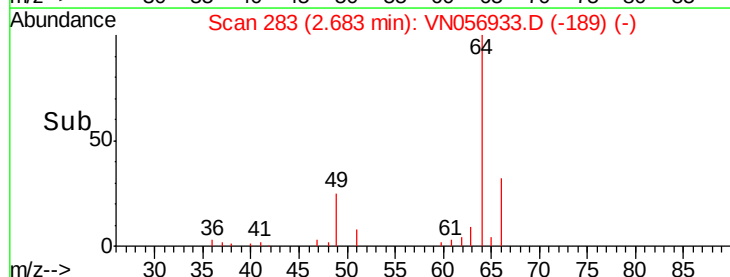
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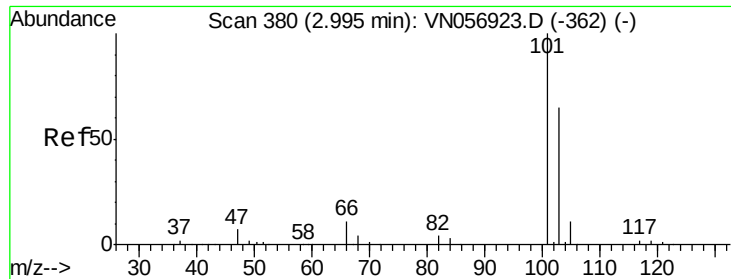
2000

0

Time-->

2.60 2.65 2.70 2.75



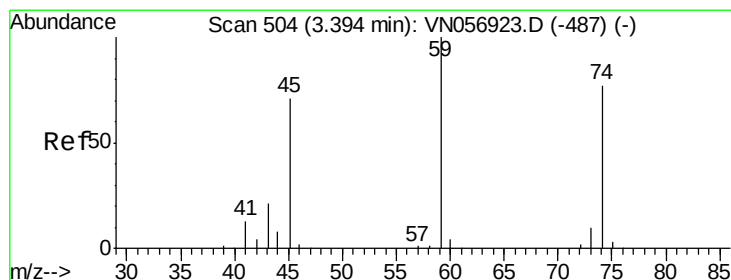
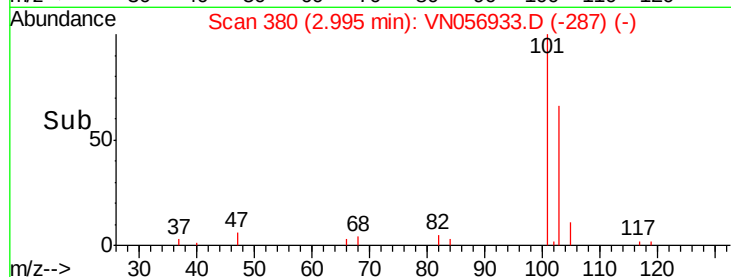
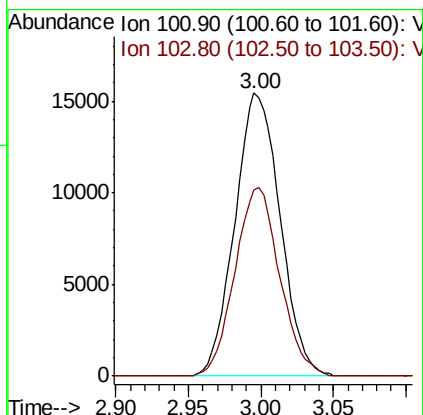
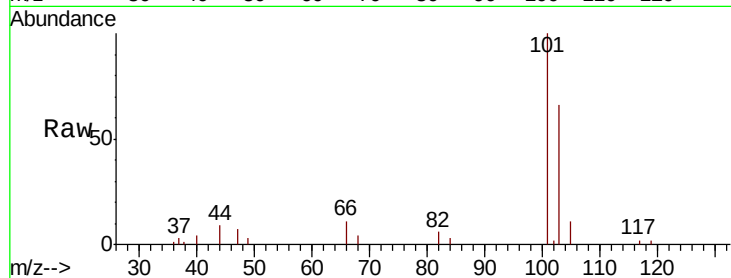


#7

Trichlorofluoromethane
 Concen: 4.655 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

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

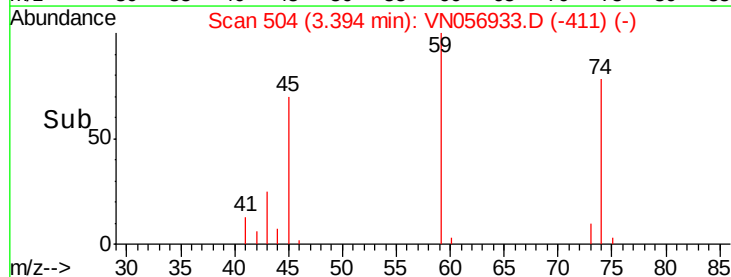
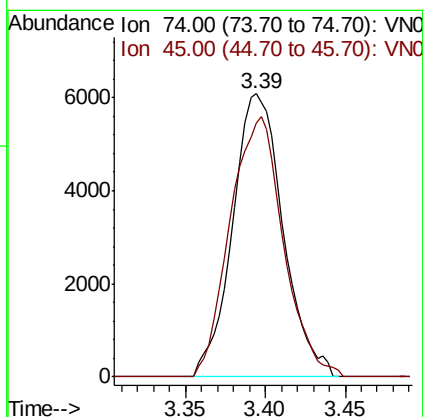
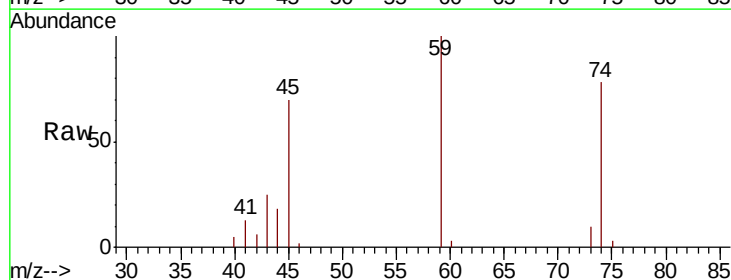
Tot Ion:101 Resp: 33526
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.0 78.0

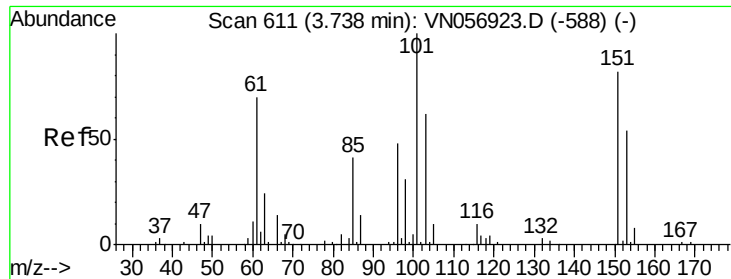


#8

Diethyl Ether
 Concen: 4.875 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion: 74 Resp: 13147
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.861 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

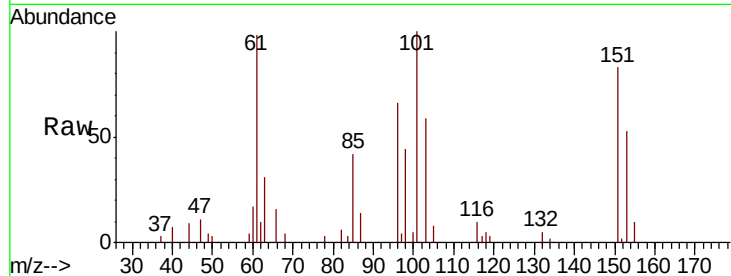
Tot Ion:101 Resp: 21511

Ion Ratio Lower Upper

101 100

85 41.6 32.7 49.1

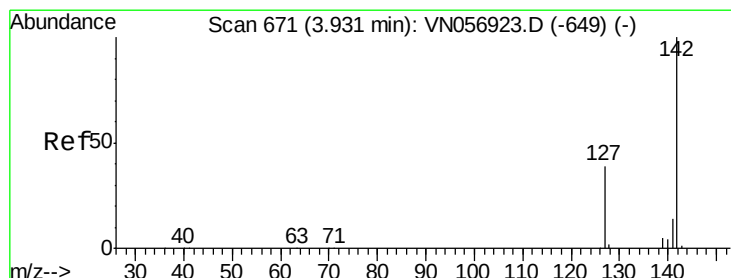
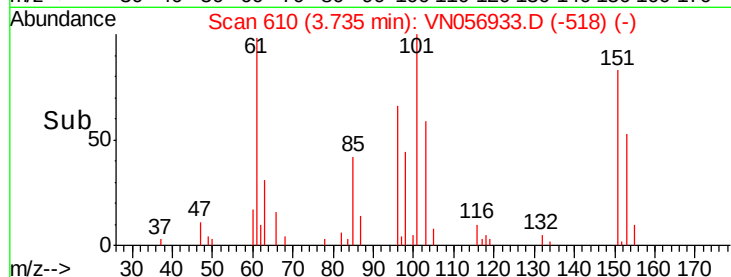
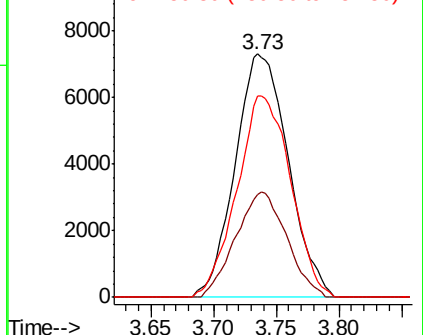
151 83.8 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.731 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

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Acq: 25 Jul 2019 20:51

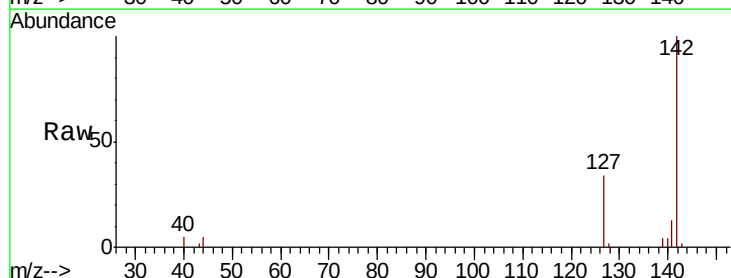
Tgt Ion:142 Resp: 24257

Ion Ratio Lower Upper

142 100

127 37.1 30.5 45.7

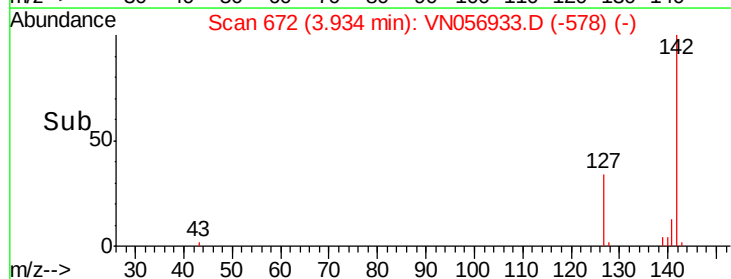
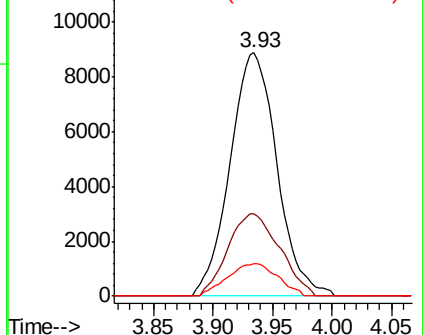
141 14.3 11.1 16.7

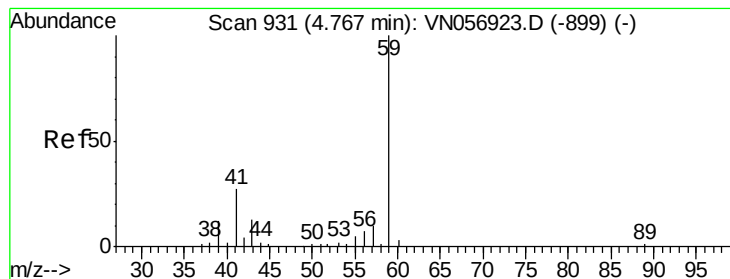


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 31.690 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

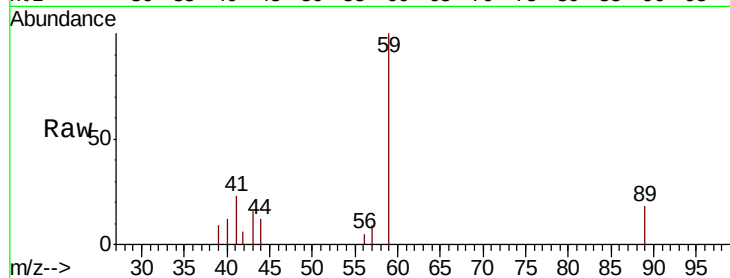
LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 21539

Ion Ratio Lower Upper

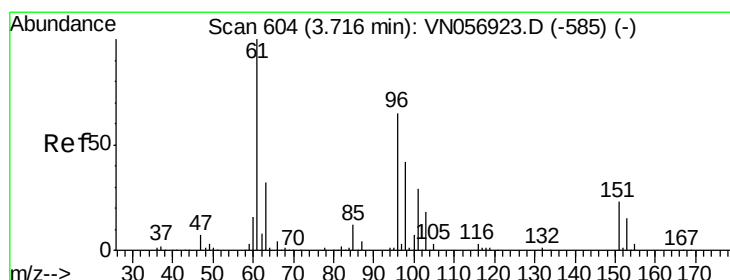
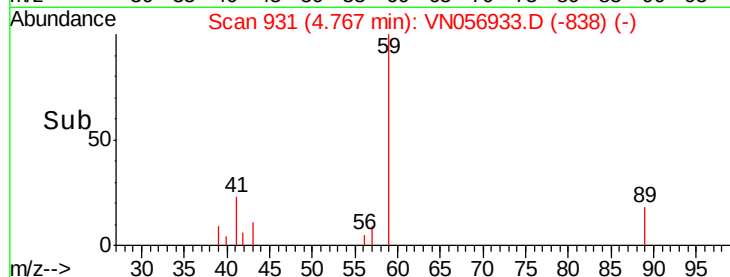
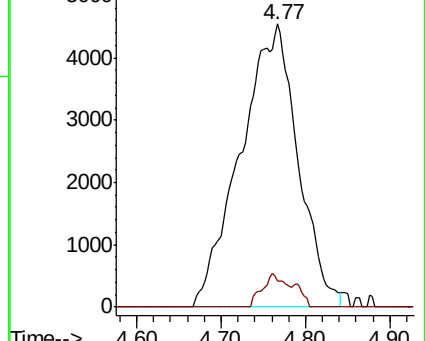
59 100

57 4.8 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN056933.D (-899) (-)

Ion 57.00 (56.70 to 57.70): VN056933.D (-899) (-)



#12

1,1-Dichloroethene

Concen: 4.856 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

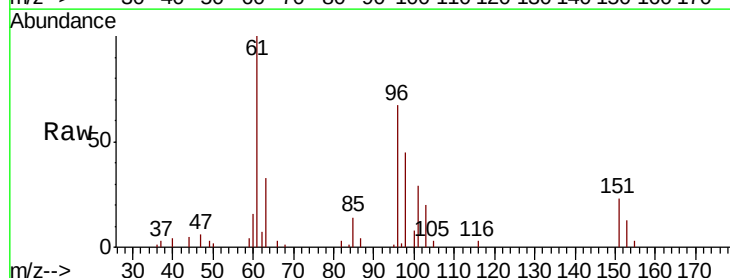
Tgt Ion: 96 Resp: 20749

Ion Ratio Lower Upper

96 100

61 148.4 122.4 183.6

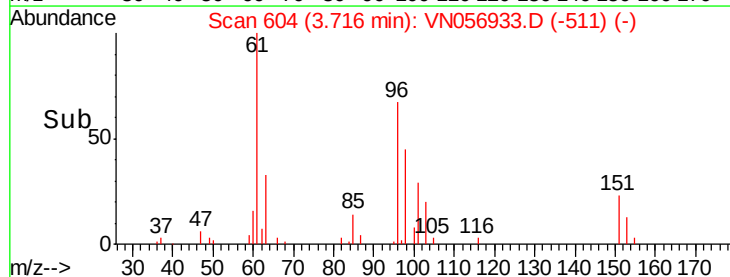
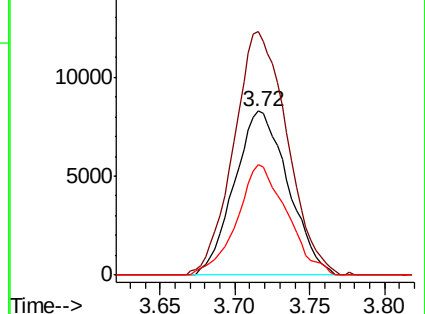
98 67.3 51.3 76.9

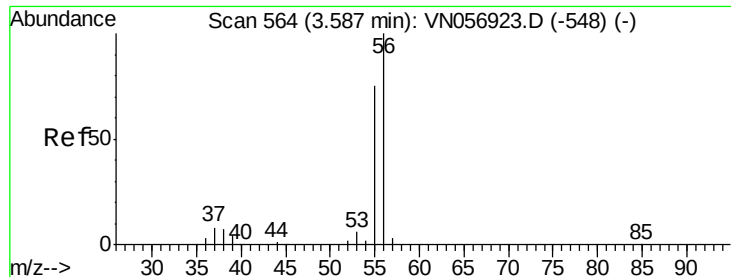


Abundance Ion 95.90 (95.60 to 96.60): VN056933.D (-585) (-)

Ion 60.90 (60.60 to 61.60): VN056933.D (-585) (-)

Ion 97.90 (97.60 to 98.60): VN056933.D (-585) (-)

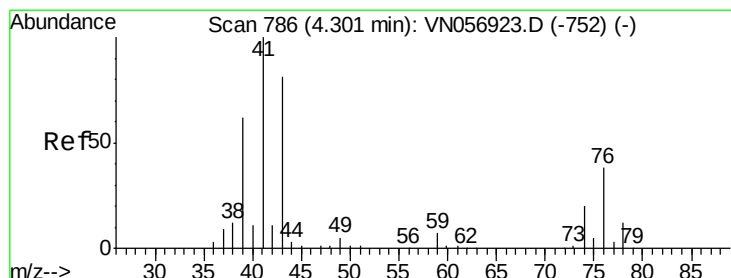
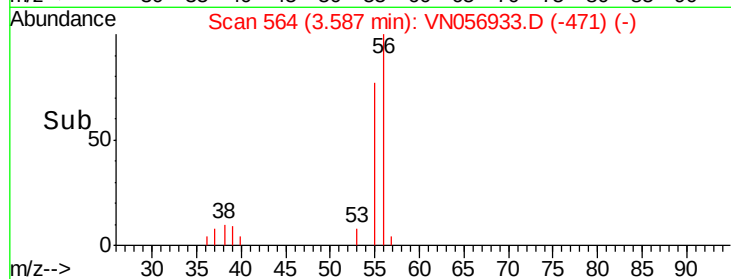
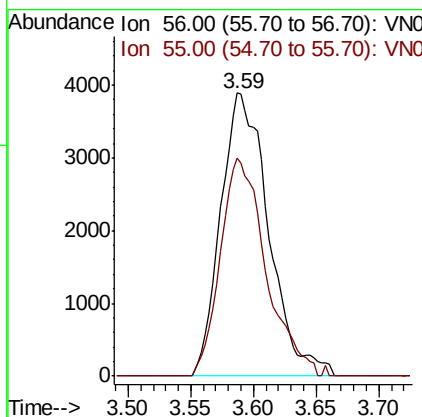
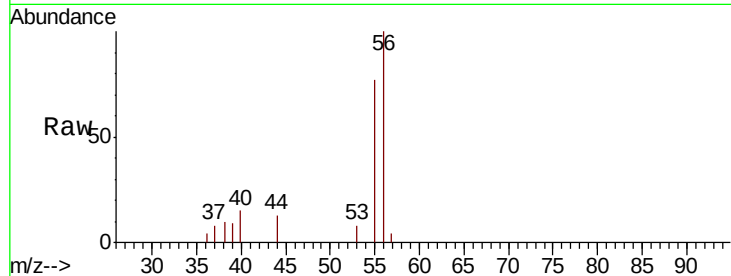




#13
Acrolein
Concen: 27.125 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

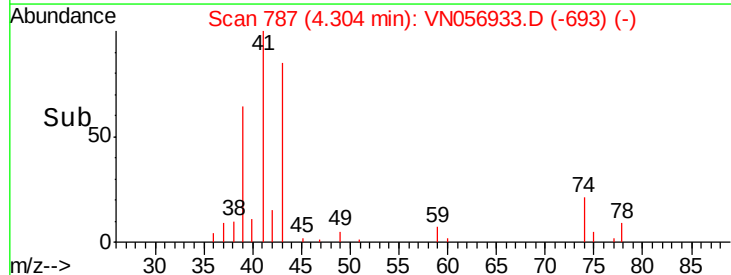
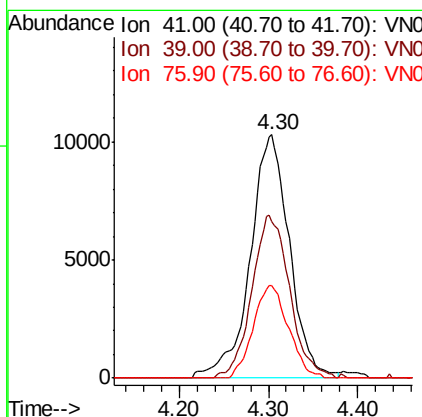
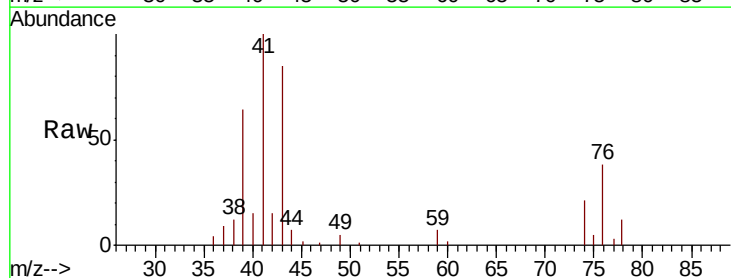
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

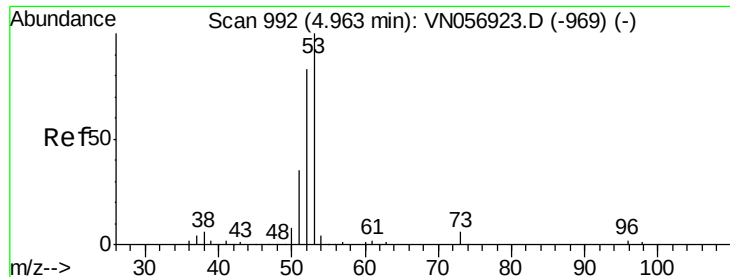
Tot Ion: 56 Resp: 10332
Ion Ratio Lower Upper
56 100
55 73.3 57.5 86.3



#14
Allyl chloride
Concen: 4.552 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 41 Resp: 31560
Ion Ratio Lower Upper
41 100
39 64.2 47.5 71.3
76 34.3 28.0 42.0





#15

Acrylonitrile

Concen: 23.886 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

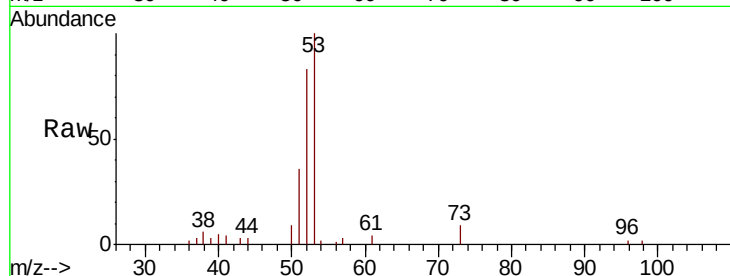
Tot Ion: 53 Resp: 46721

Ion Ratio Lower Upper

53 100

52 79.3 65.5 98.3

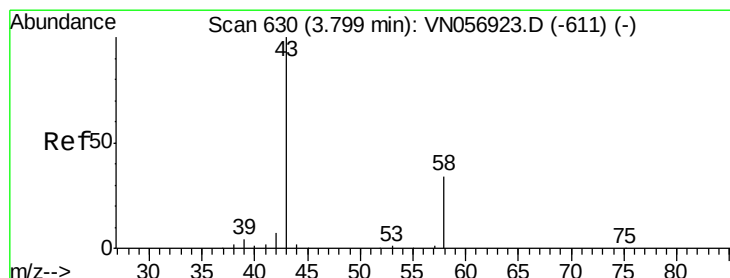
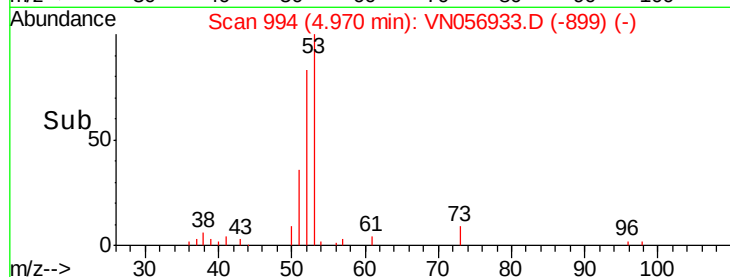
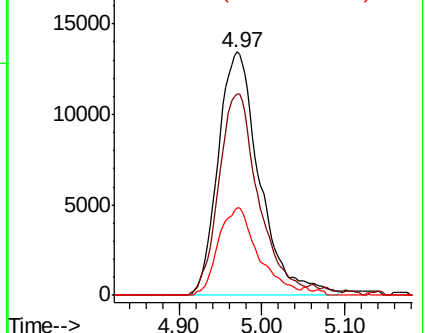
51 34.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 22.505 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056933.D

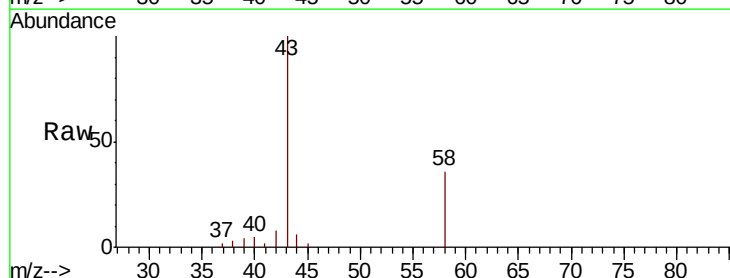
Acq: 25 Jul 2019 20:51

Tgt Ion: 43 Resp: 36210

Ion Ratio Lower Upper

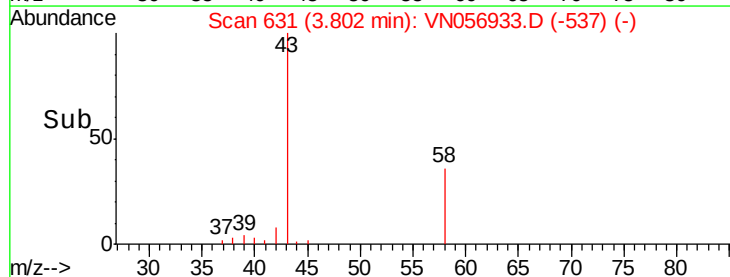
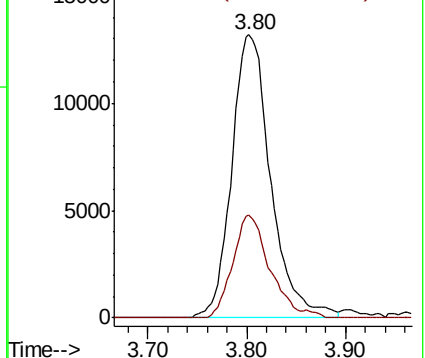
43 100

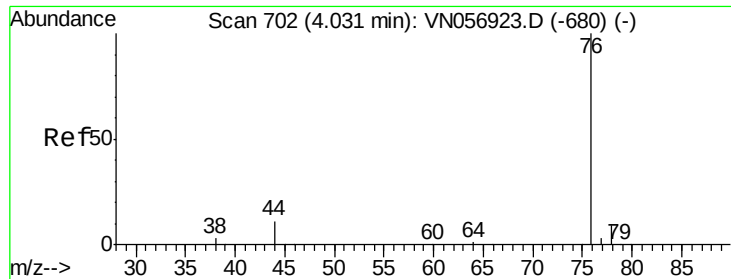
58 36.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

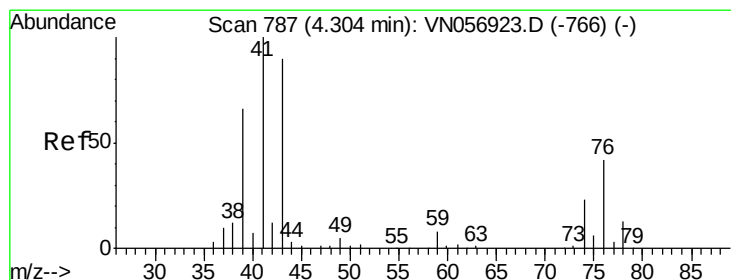
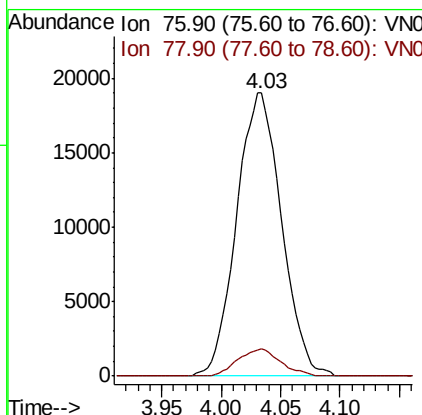
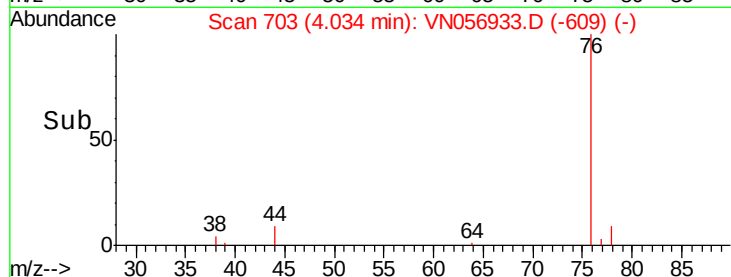
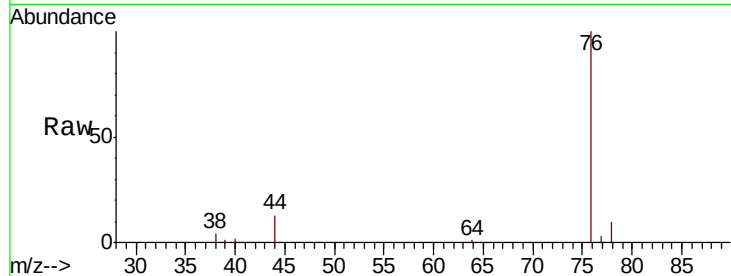




#17
Carbon Disulfide
Concen: 4.319 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

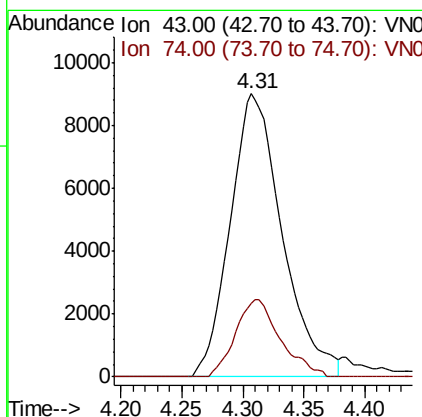
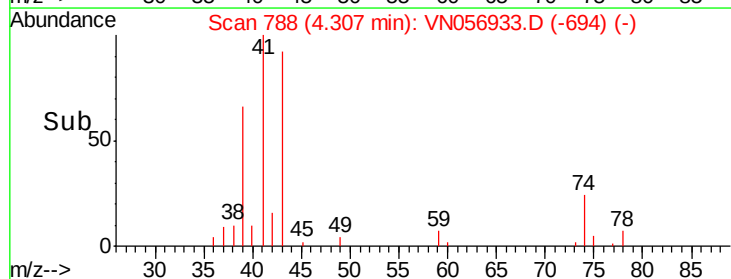
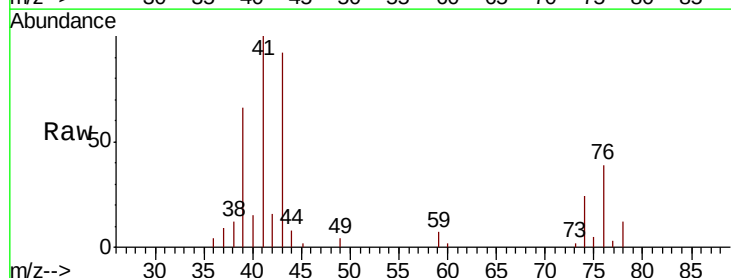
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

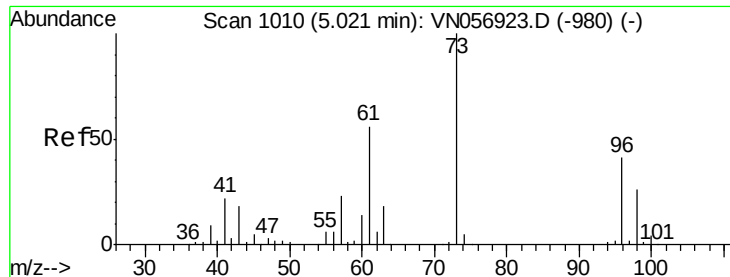
Tot Ion: 76 Resp: 49703
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 4.728 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 43 Resp: 26635
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.0

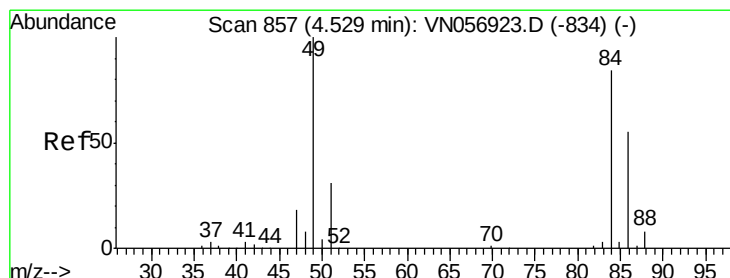
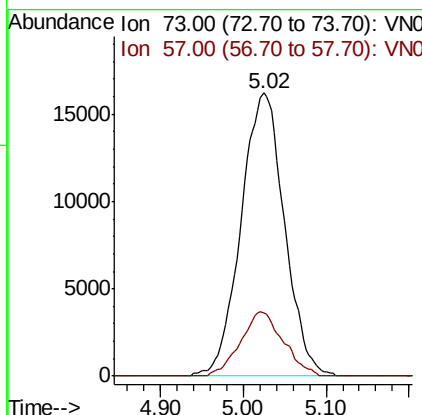
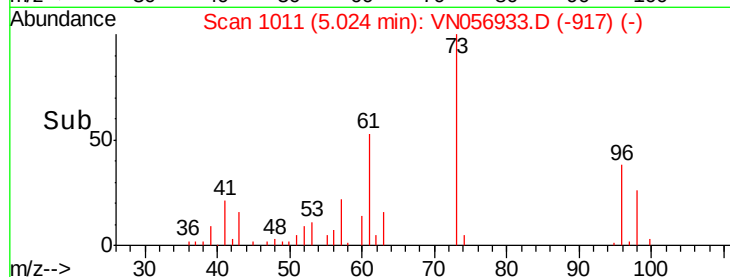
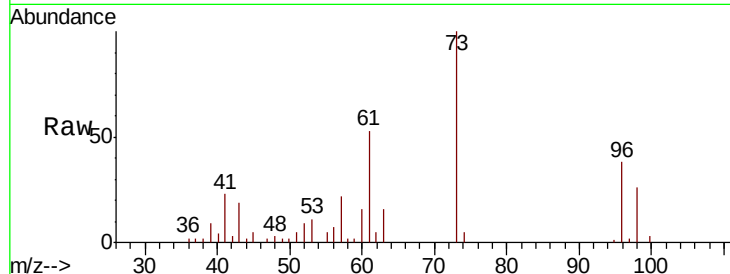




#19
Methvl tert-butvl Ether
Concen: 4.693 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

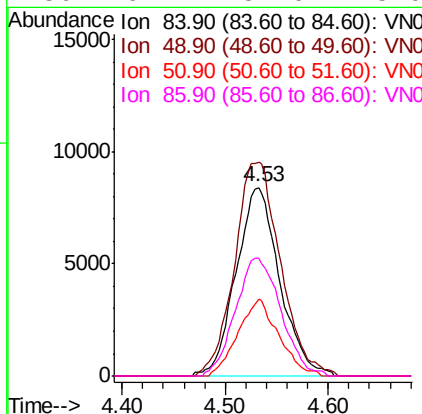
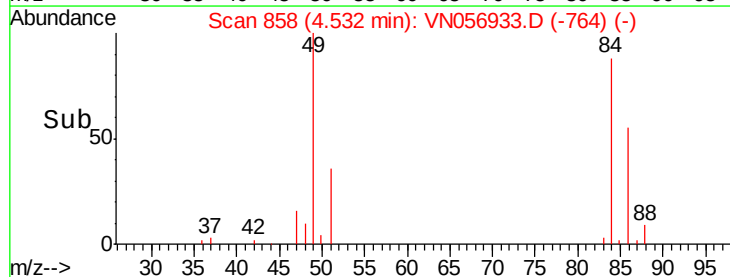
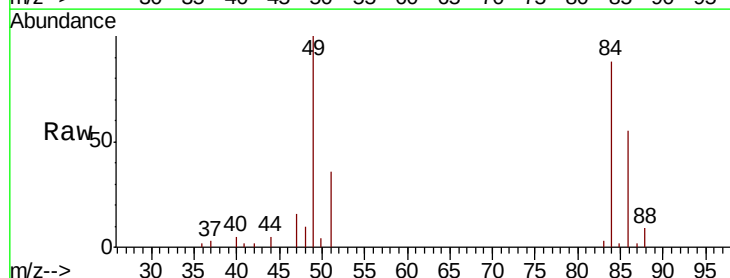
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

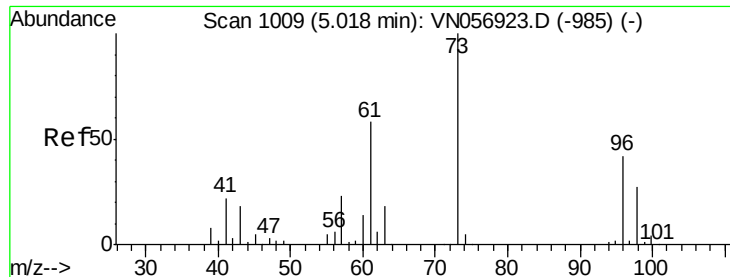
Tot Ion: 73 Resp: 58968
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4



#20
Methylene Chloride
Concen: 4.852 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 84 Resp: 24723
Ion Ratio Lower Upper
84 100
49 113.3 95.0 142.6
51 40.6 29.8 44.8
86 62.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 2.774 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

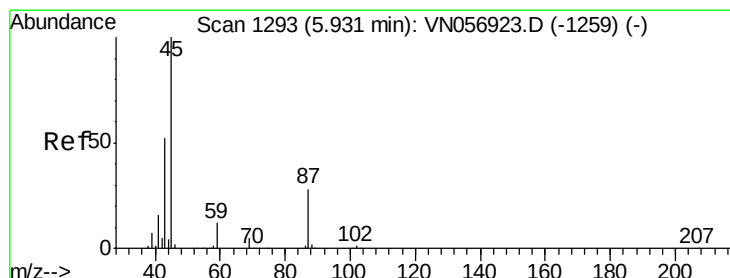
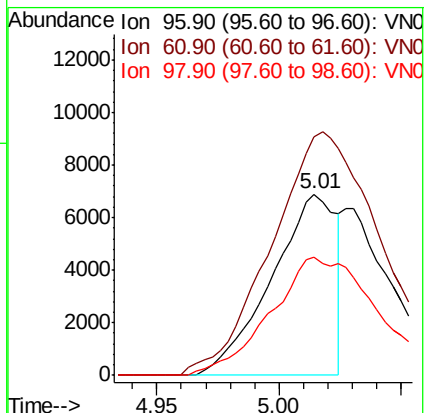
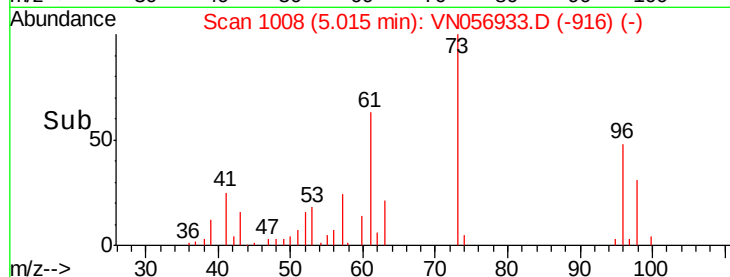
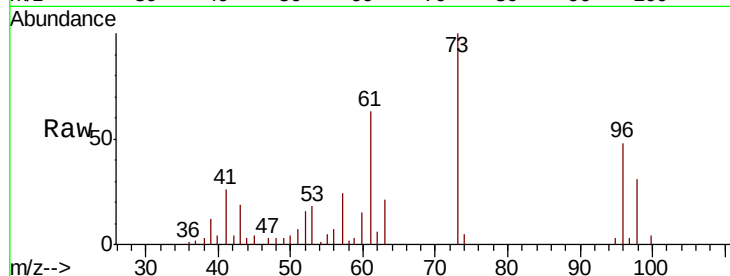
Tot Ion: 96 Resp: 12683

Ion Ratio Lower Upper

96 100

61 127.7 109.9 164.9

98 65.0 51.0 76.4



#22

Diisopropyl ether

Concen: 4.810 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Tgt Ion: 45 Resp: 67912

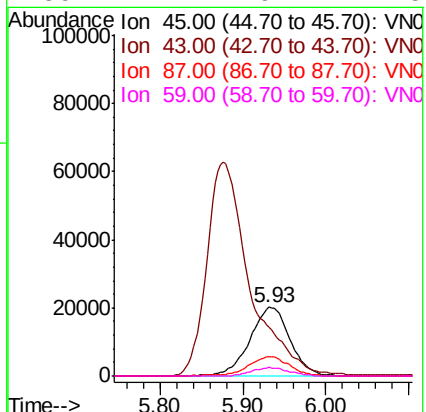
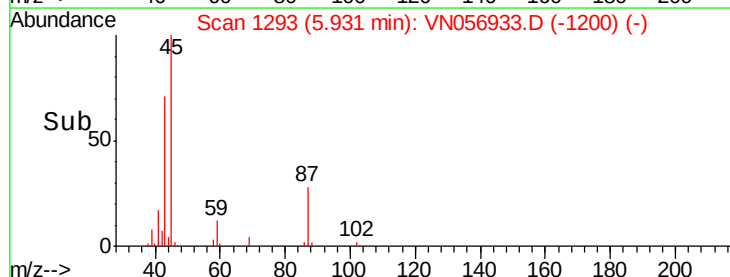
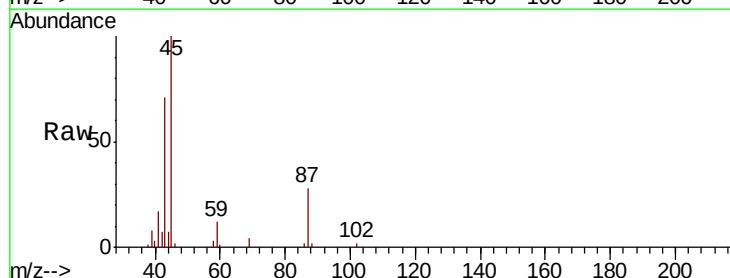
Ion Ratio Lower Upper

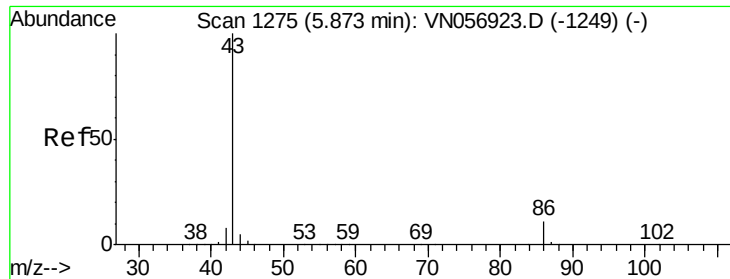
45 100

43 66.6 44.7 67.1

87 28.1 23.1 34.7

59 12.2 9.7 14.5





#23

Vinyl Acetate

Concen: 23.163 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

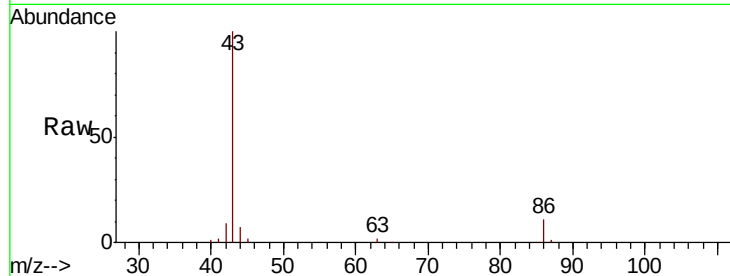
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 225279

Ion Ratio Lower Upper

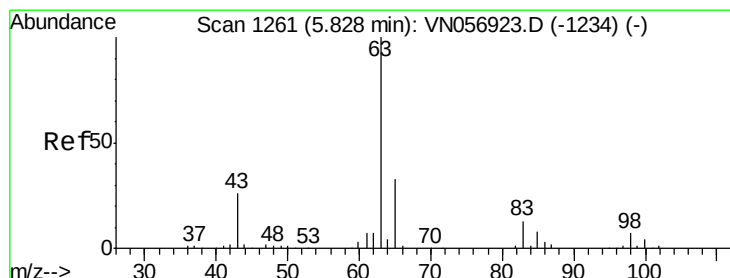
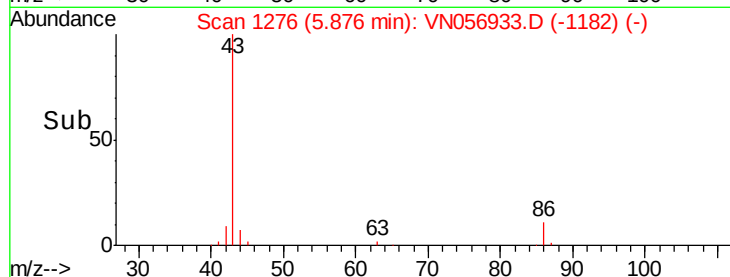
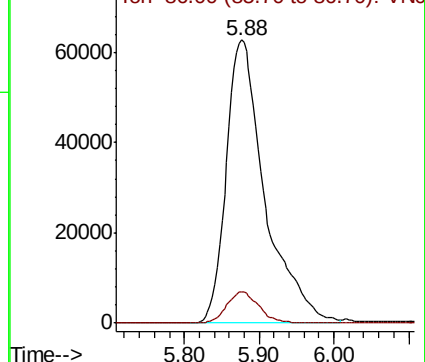
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 4.872 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

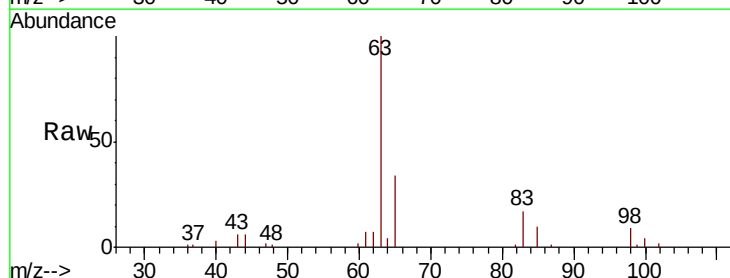
Tgt Ion: 63 Resp: 40415

Ion Ratio Lower Upper

63 100

98 9.1 3.4 10.1

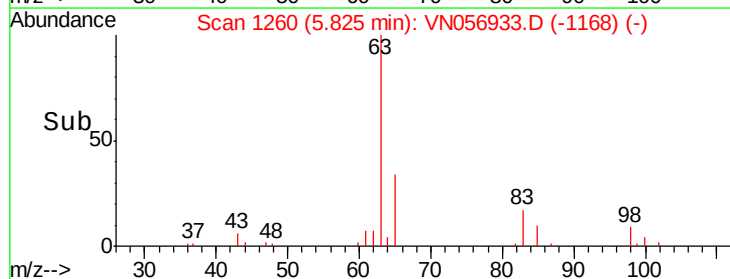
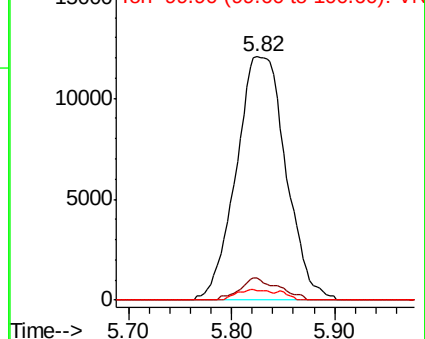
100 4.0 2.1 6.3

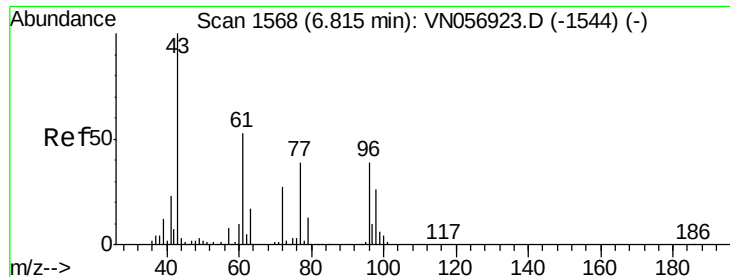


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 22.933 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

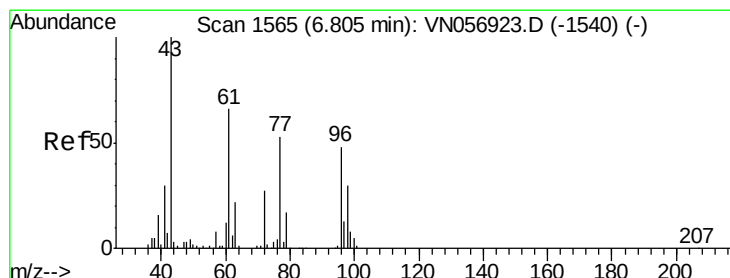
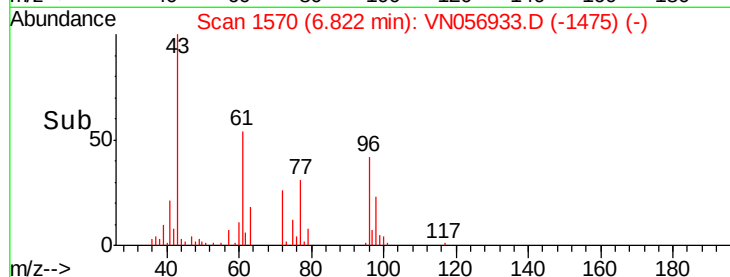
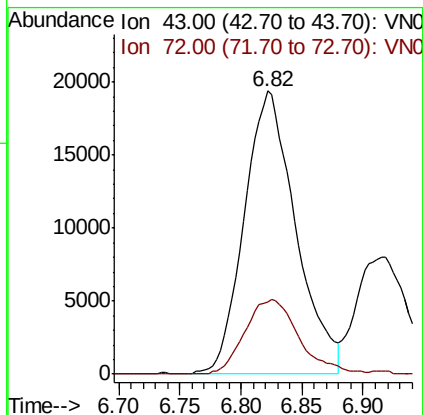
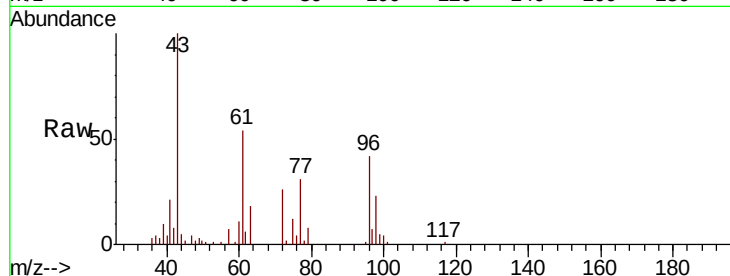
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 56797

Ion Ratio Lower Upper

43 100

72 25.6 21.9 32.9



#26

2,2-Dichloropropane

Concen: 4.286 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056933.D

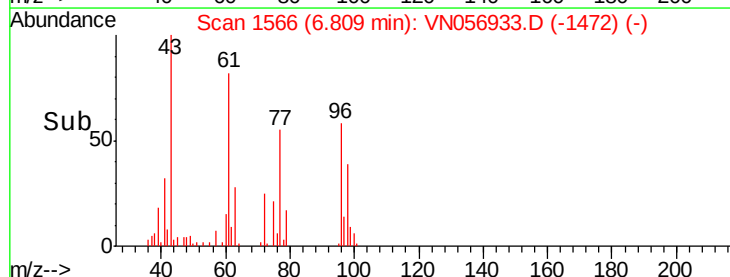
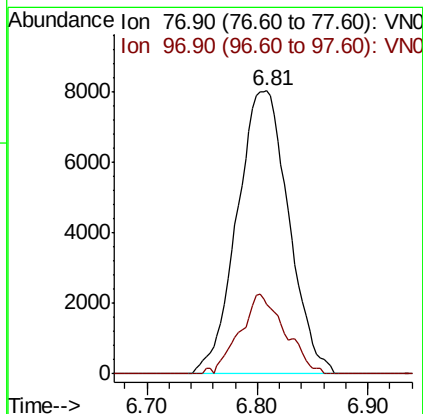
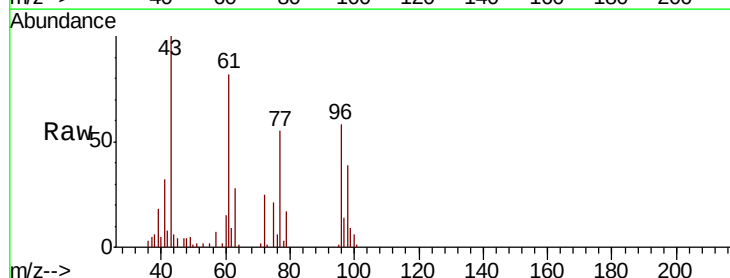
Acq: 25 Jul 2019 20:51

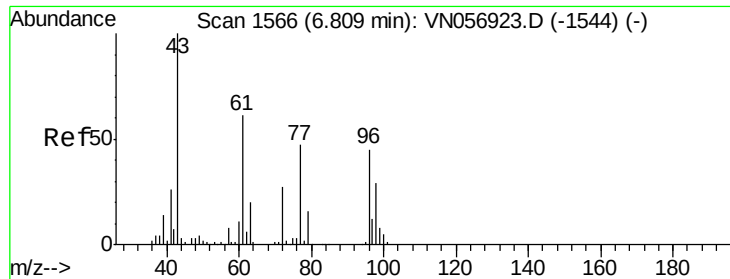
Tgt Ion: 77 Resp: 26089

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 4.840 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

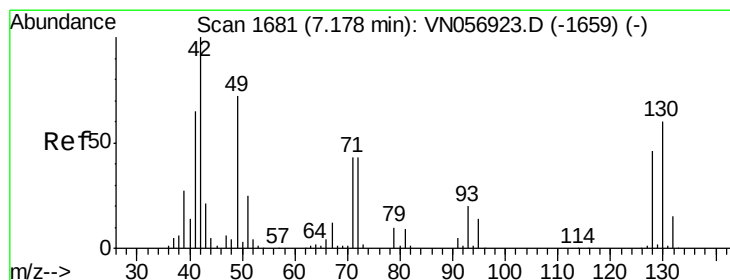
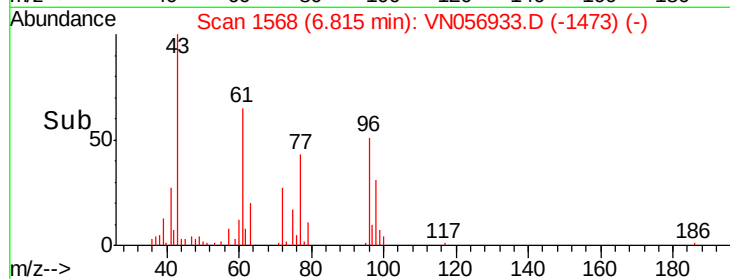
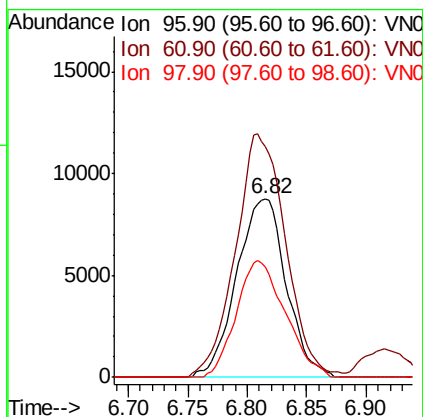
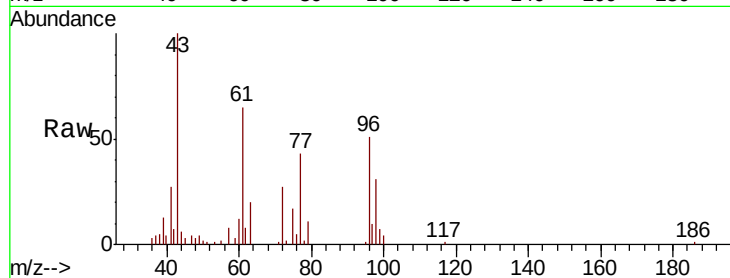
Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

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

Tot Ion: 96 Resp: 25255

Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	278.8
98	64.6	0.0	130.0



#28

Bromochloromethane

Concen: 4.650 ug/l

RT: 7.18 min Scan# 1681

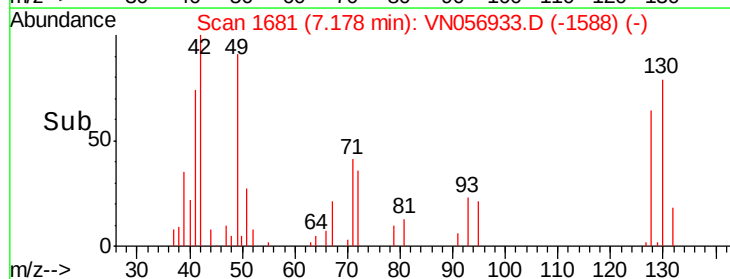
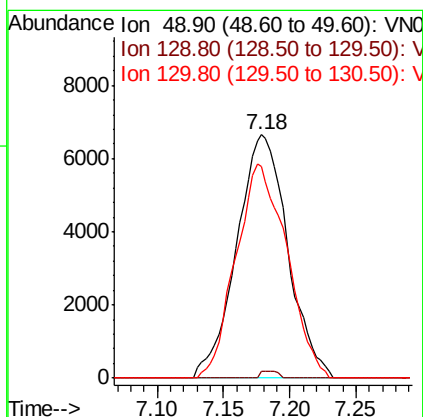
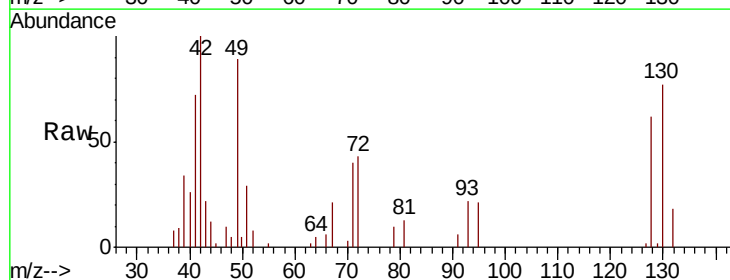
Delta R.T. -0.00 min

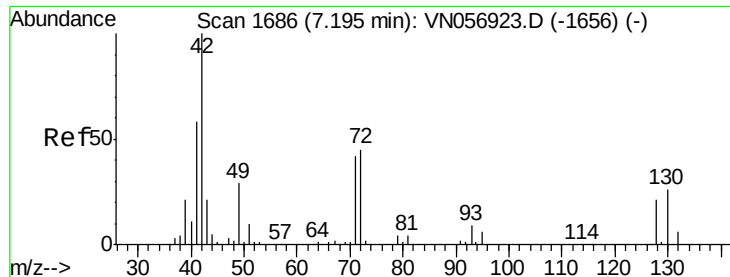
Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Tgt Ion: 49 Resp: 17799

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	88.0	67.3	100.9

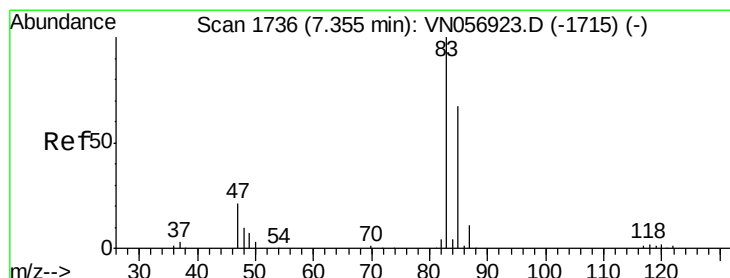
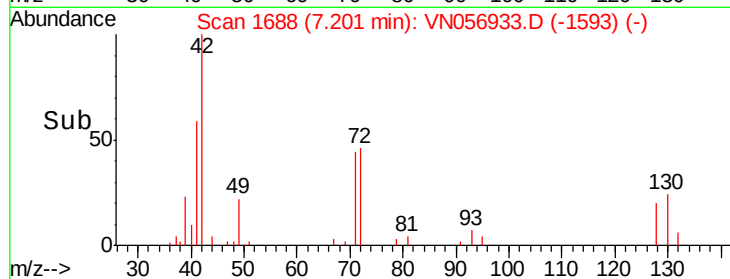
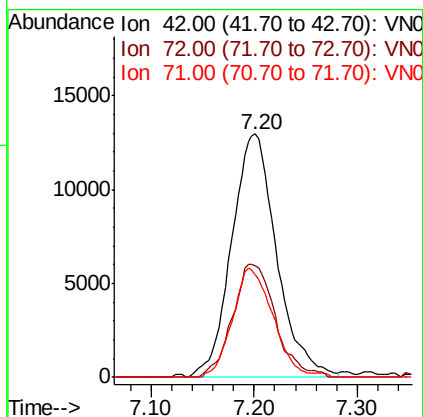
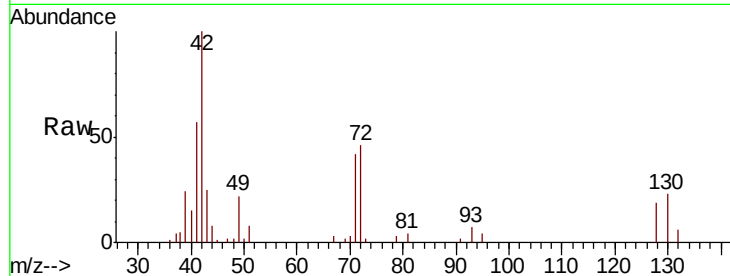




#29
Tetrahydrofuran
Concen: 24.275 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

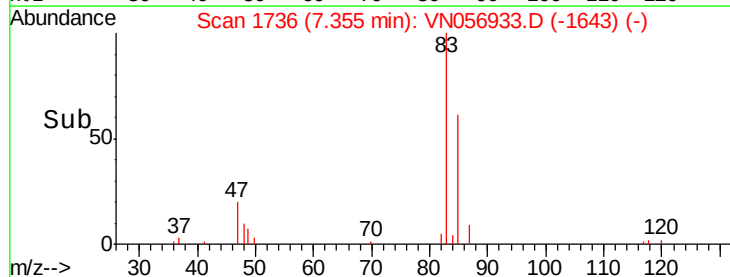
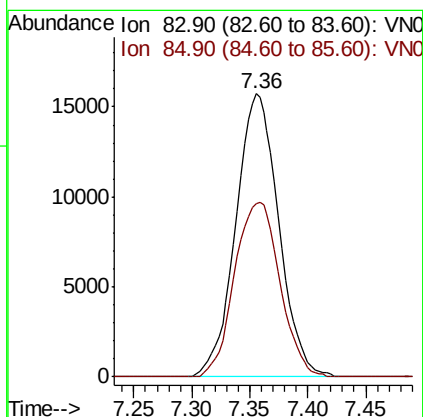
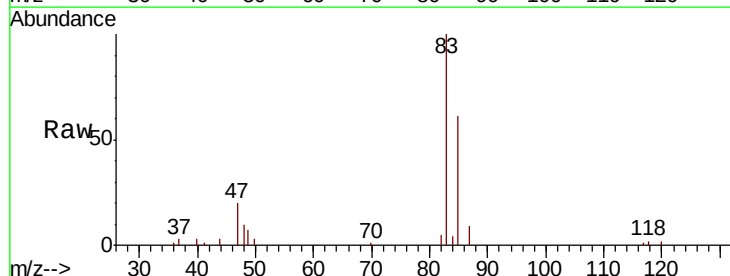
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

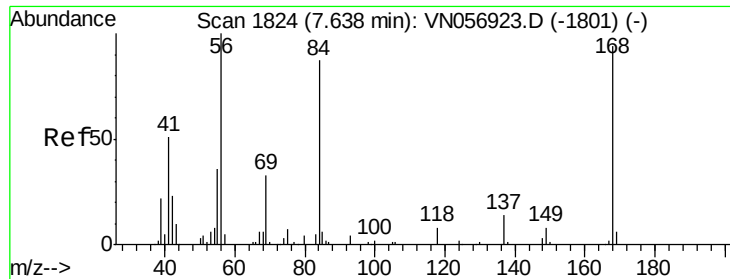
Tot Ion: 42 Resp: 39395
Ion Ratio Lower Upper
42 100
72 44.4 35.5 53.3
71 40.3 33.0 49.6



#30
Chloroform
Concen: 4.737 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 83 Resp: 40464
Ion Ratio Lower Upper
83 100
85 61.4 53.5 80.3

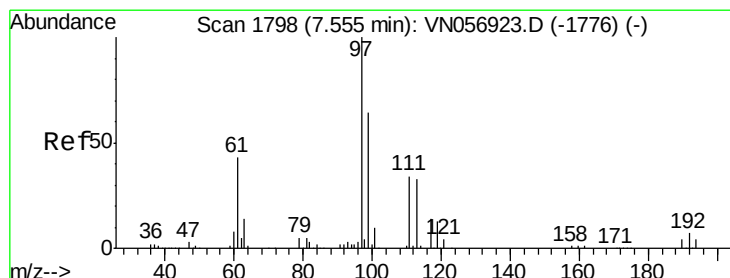
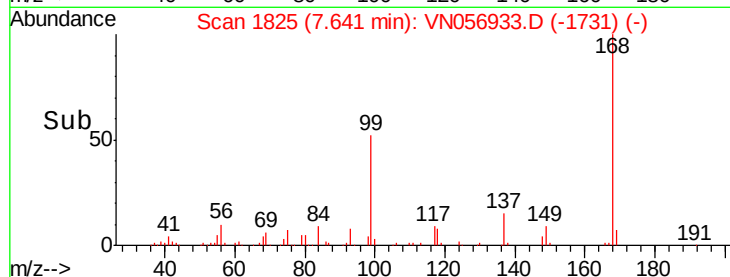
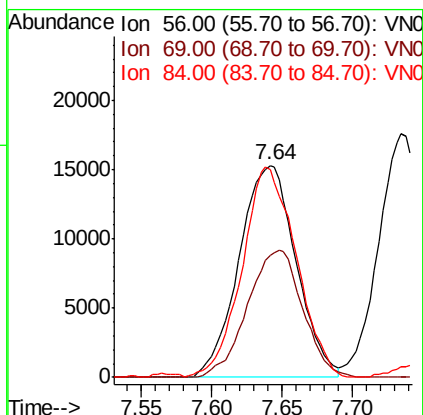
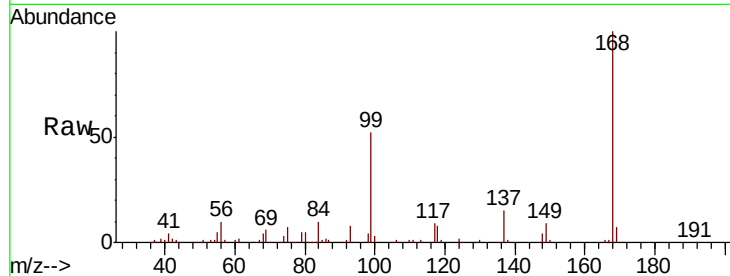




#31
Cyclohexane
Concen: 5.334 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

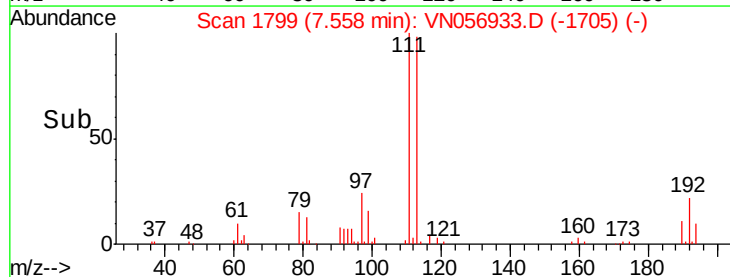
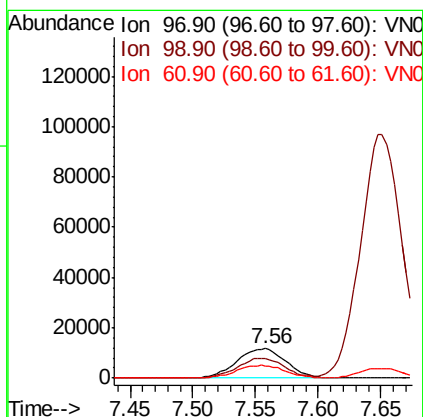
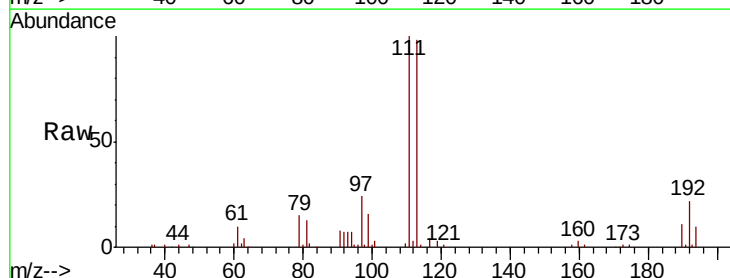
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

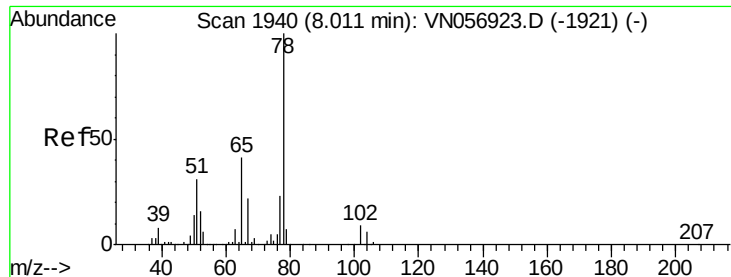
Tot Ion: 56 Resp: 43054
Ion Ratio Lower Upper
56 100
69 57.8 26.3 39.5#
84 97.2 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 4.710 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 97 Resp: 32225
Ion Ratio Lower Upper
97 100
99 66.0 51.6 77.4
61 42.5 33.8 50.6

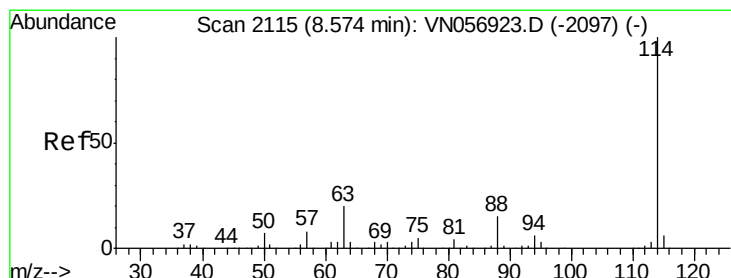
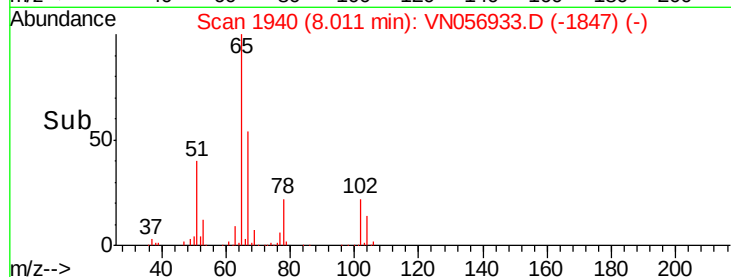
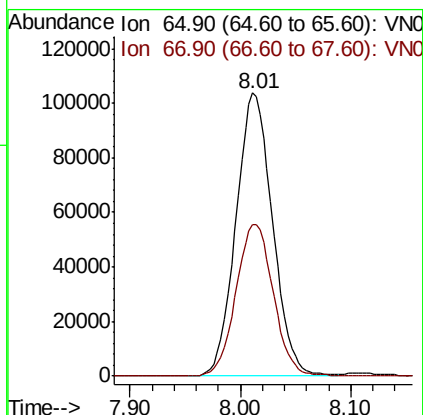
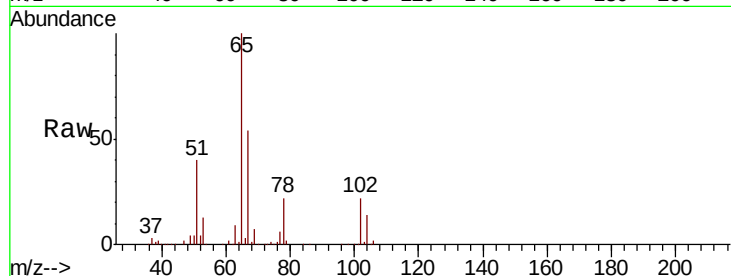




#33
 1,2-Dichloroethane-d4
 Concen: 50.646 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

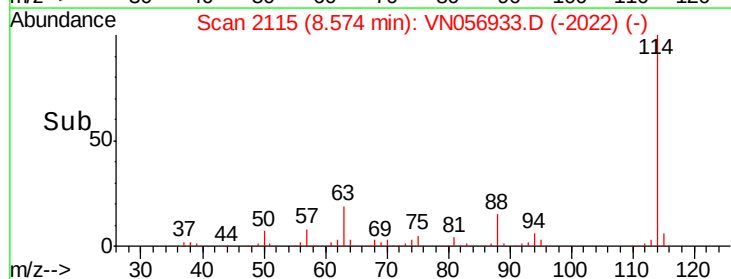
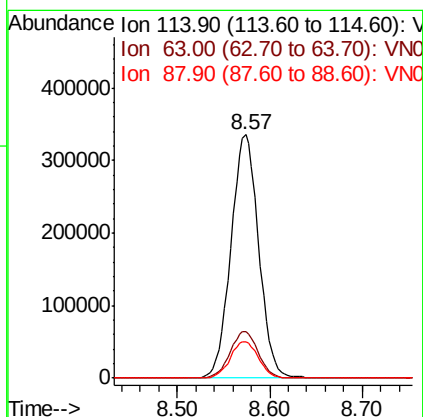
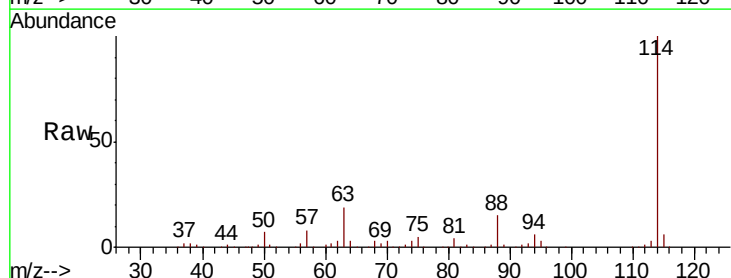
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

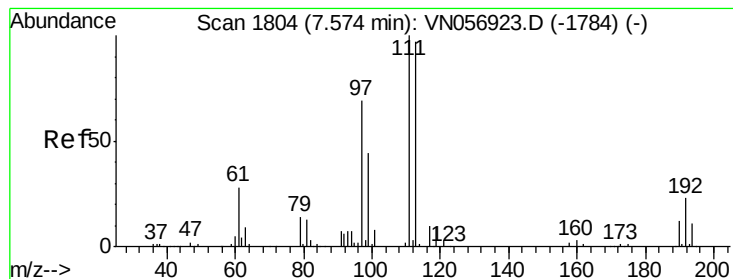
Tot Ion: 65 Resp: 238623
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion: 114 Resp: 694673
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.007 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

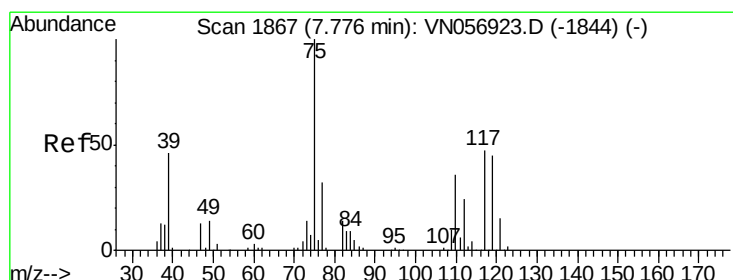
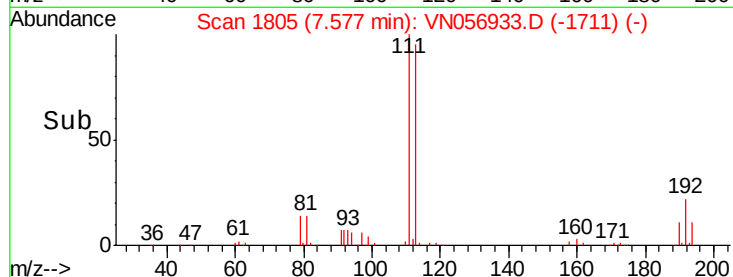
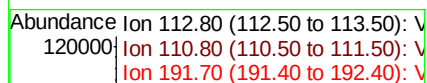
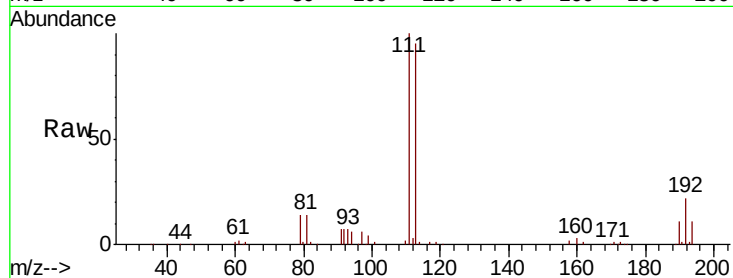
Tot Ion:113 Resp: 212780

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 23.5 18.3 27.5



#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

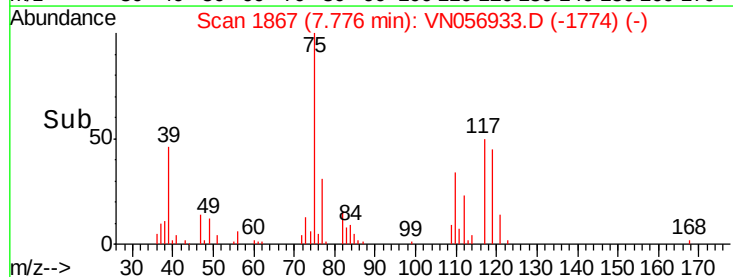
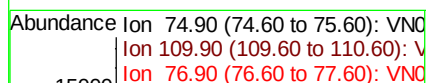
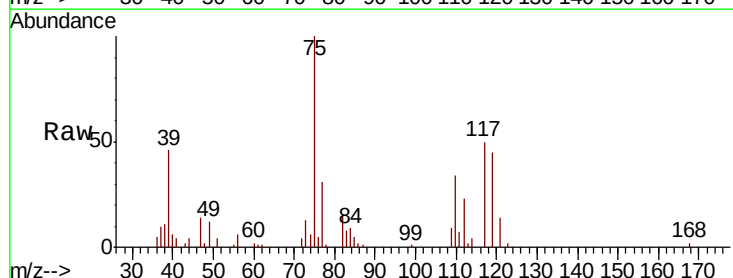
Tgt Ion: 75 Resp: 30080

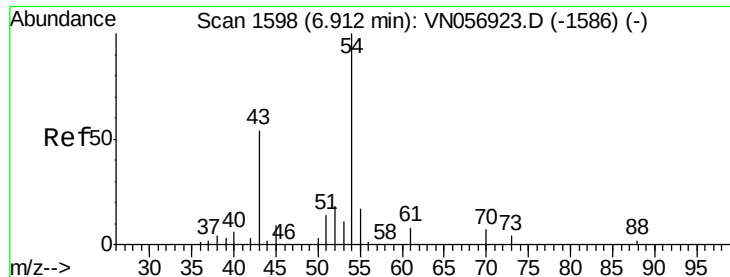
Ion Ratio Lower Upper

75 100

110 34.5 18.9 56.9

77 30.0 25.4 38.0

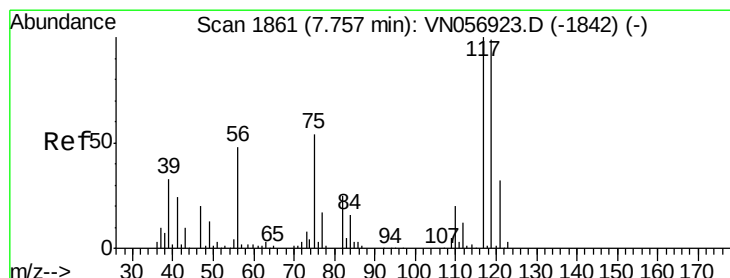
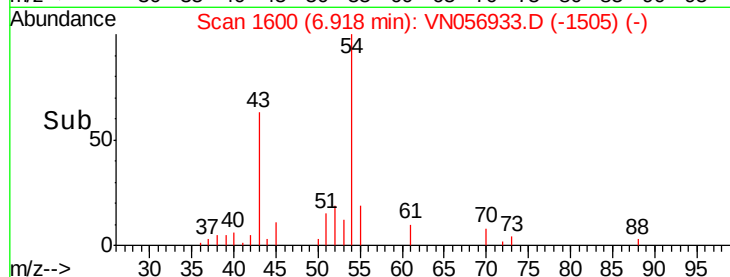
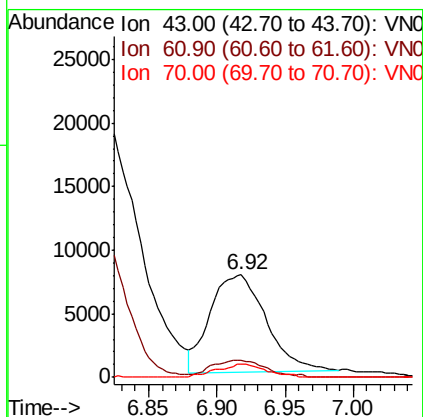
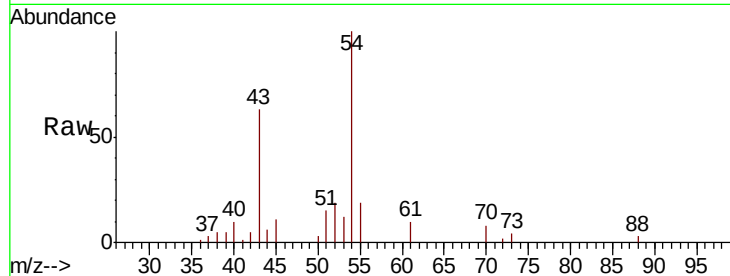




#37
Ethyl Acetate
Concen: 4.254 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

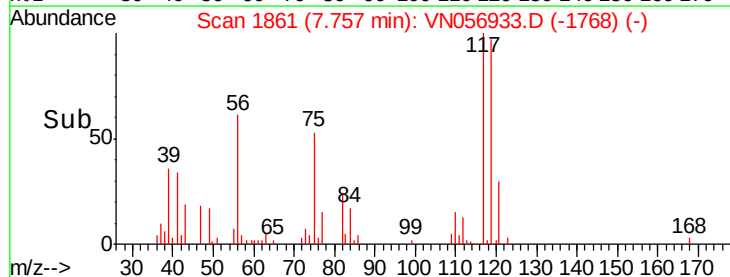
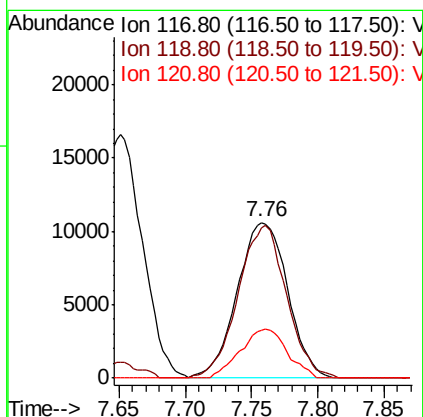
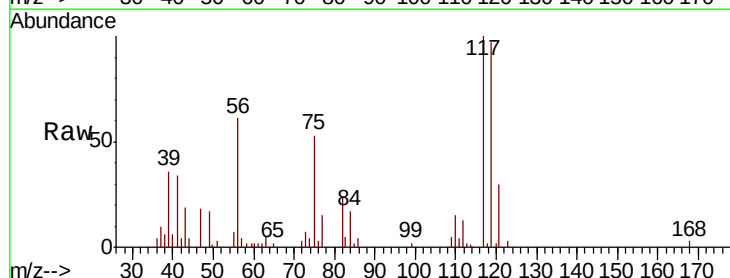
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

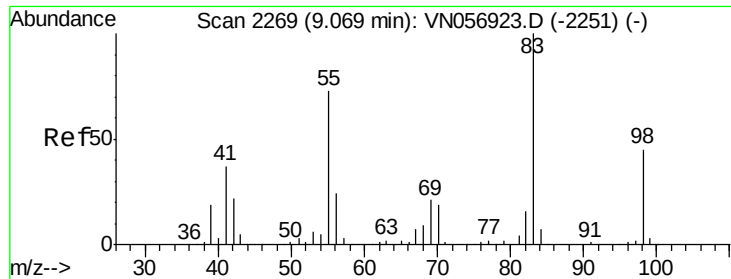
Tot Ion: 43 Resp: 21892
Ion Ratio Lower Upper
43 100
61 17.1 11.9 17.9
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 4.633 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 117 Resp: 27988
Ion Ratio Lower Upper
117 100
119 96.7 79.0 118.6
121 30.5 25.1 37.7

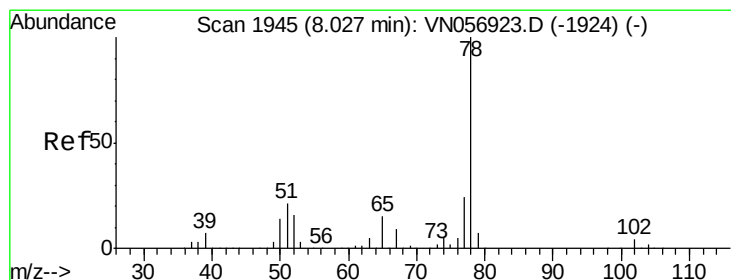
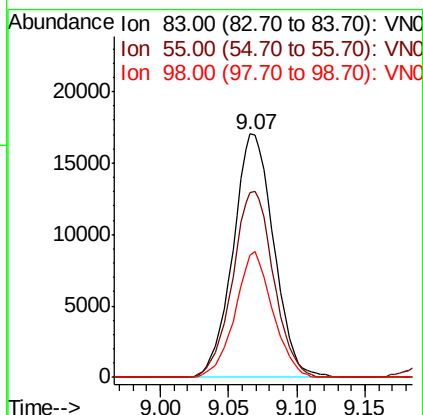
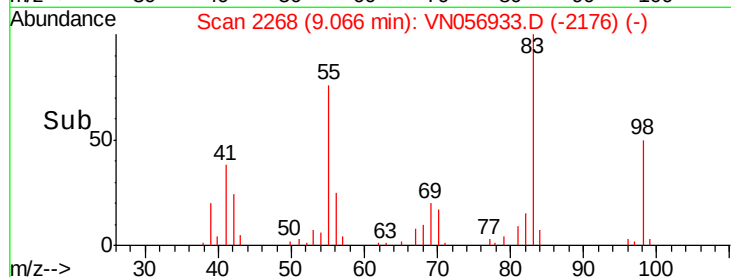
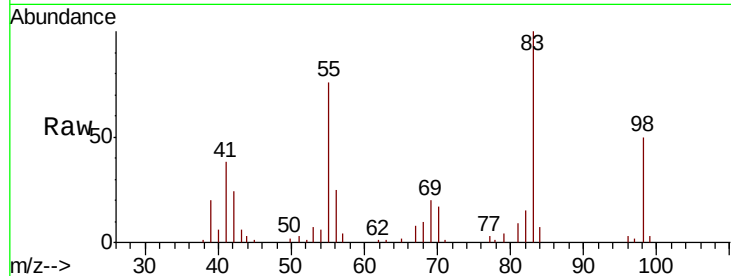




#39
Methylvlcyclohexane
Concen: 4.555 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

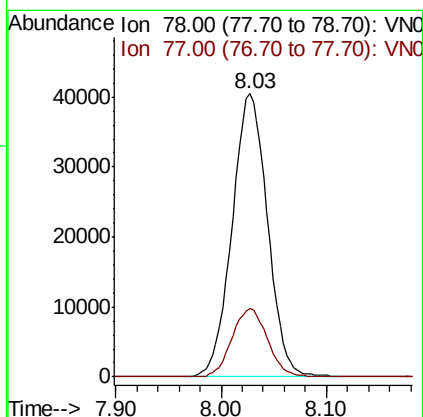
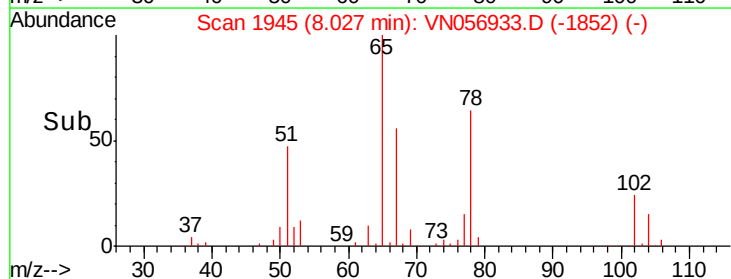
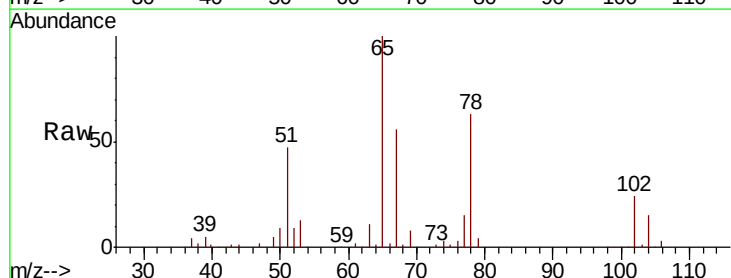
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

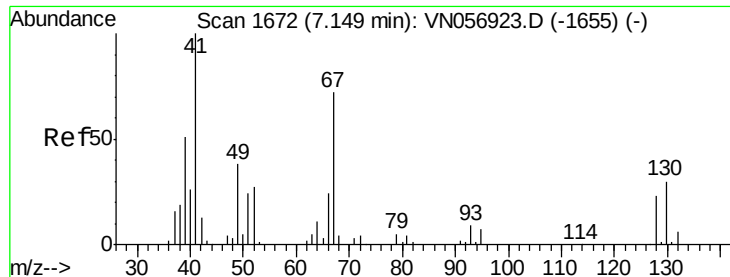
Tot Ion: 83 Resp: 35257
Ion Ratio Lower Upper
83 100
55 75.7 58.8 88.2
98 50.3 35.8 53.6



#40
Benzene
Concen: 4.765 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 78 Resp: 94374
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 4.049 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

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

Tot Ion: 41 Resp: 9164

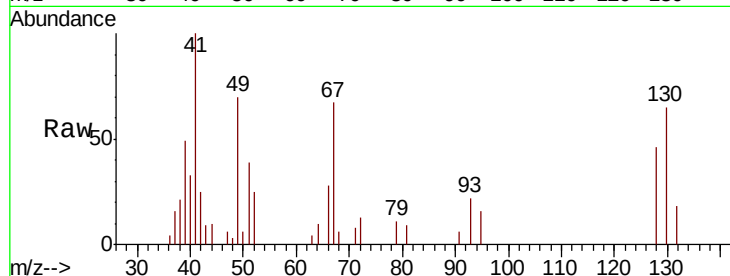
Ion Ratio Lower Upper

41 100

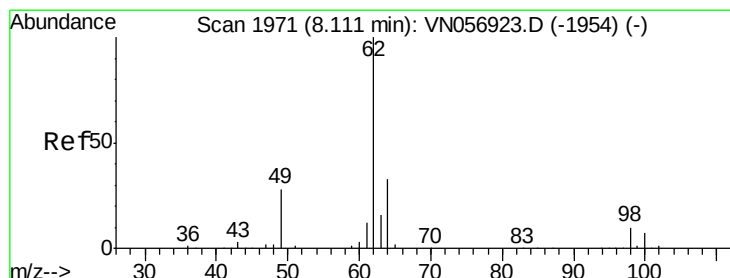
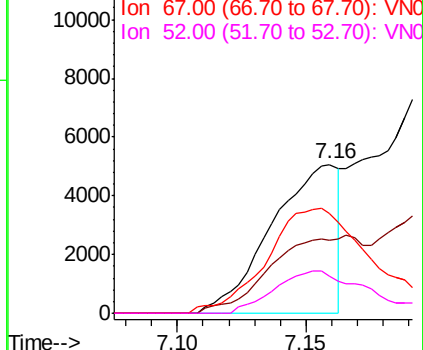
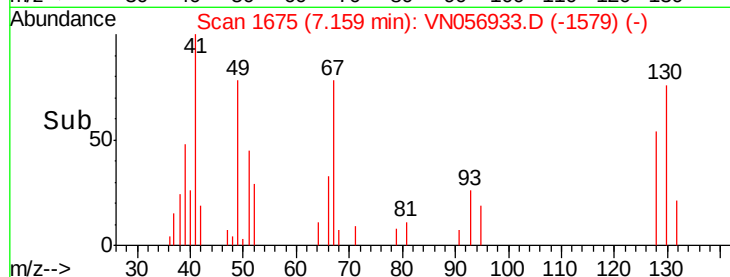
39 73.4 0.0 0.0#

67 108.9 0.0 0.0#

52 39.0 0.0 0.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 4.967 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN056933.D

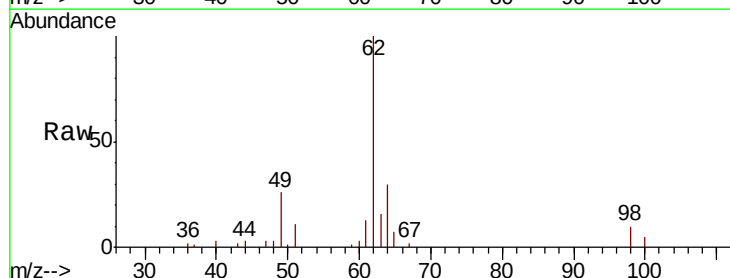
Acq: 25 Jul 2019 20:51

Tgt Ion: 62 Resp: 30385

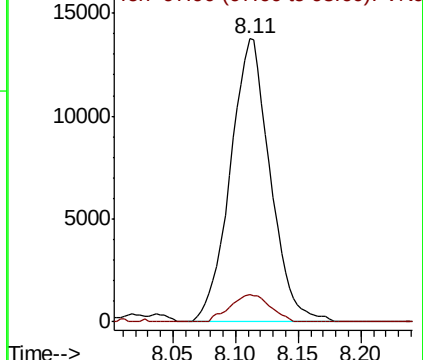
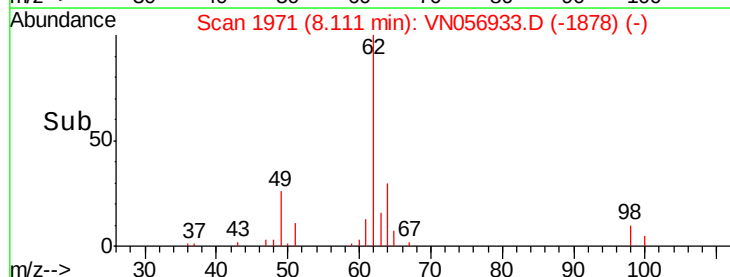
Ion Ratio Lower Upper

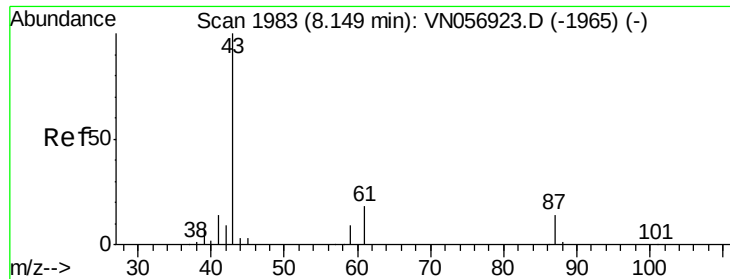
62 100

98 9.7 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 4.578 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

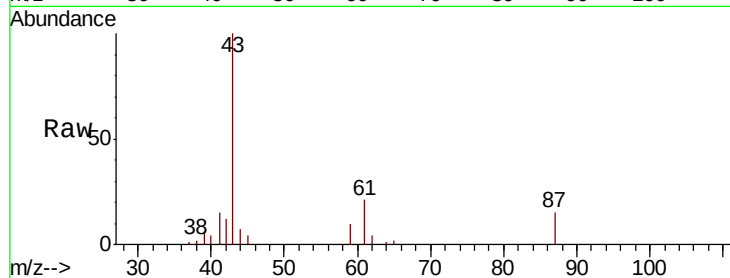
Tot Ion: 43 Resp: 38758

Ion Ratio Lower Upper

43 100

61 22.5 23.8 35.6#

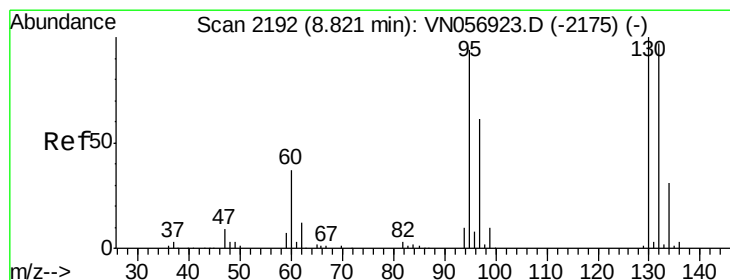
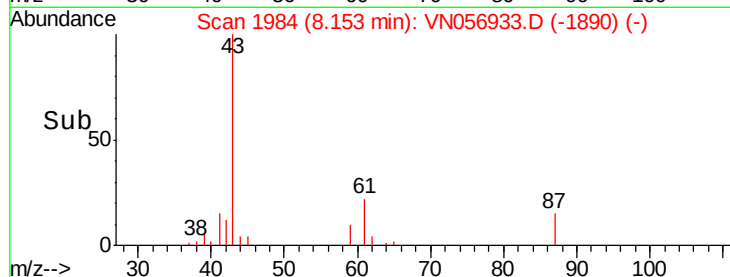
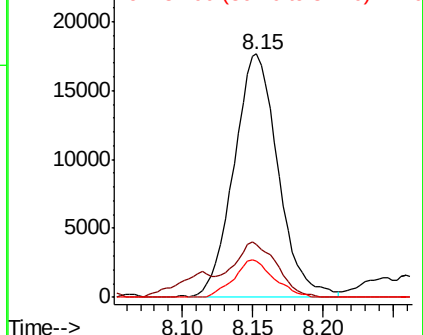
87 13.8 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN056933.D (-1984) (-)

Ion 61.00 (60.70 to 61.70): VN056933.D (-1984) (-)

Ion 87.00 (86.70 to 87.70): VN056933.D (-1984) (-)



#44

Trichloroethene

Concen: 4.446 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056933.D

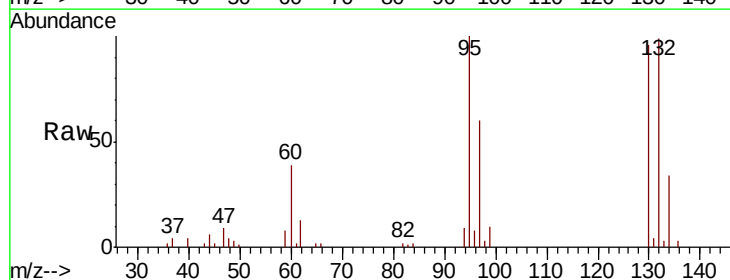
Acq: 25 Jul 2019 20:51

Tgt Ion:130 Resp: 24022

Ion Ratio Lower Upper

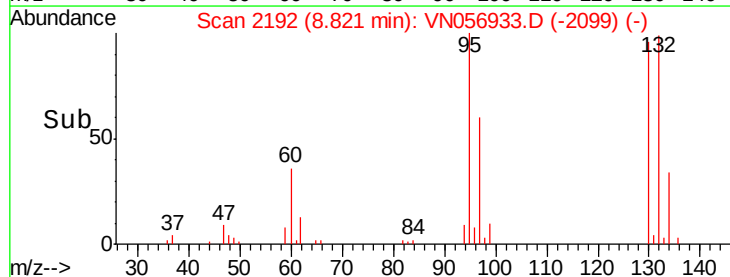
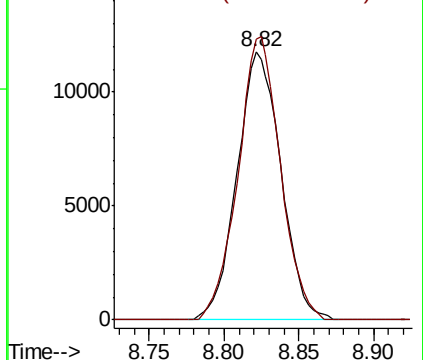
130 100

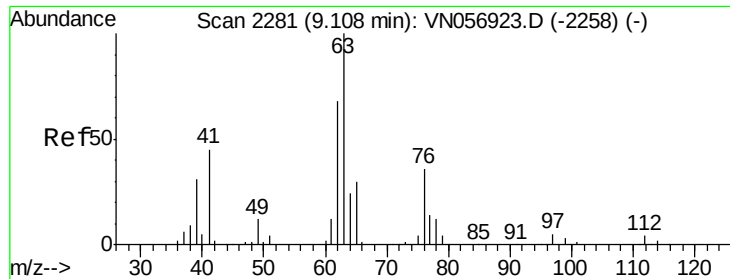
95 104.5 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VN056933.D (-2192) (-)

Ion 94.90 (94.60 to 95.60): VN056933.D (-2192) (-)

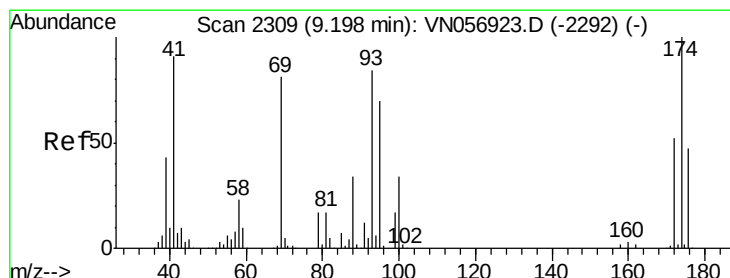
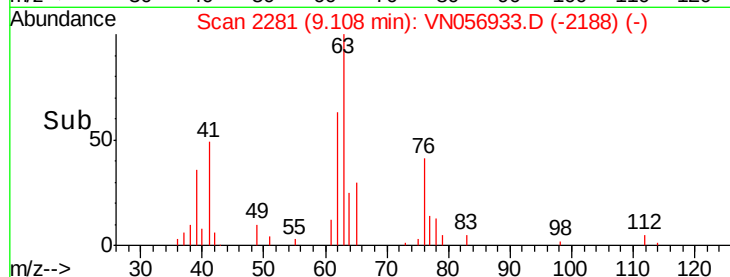
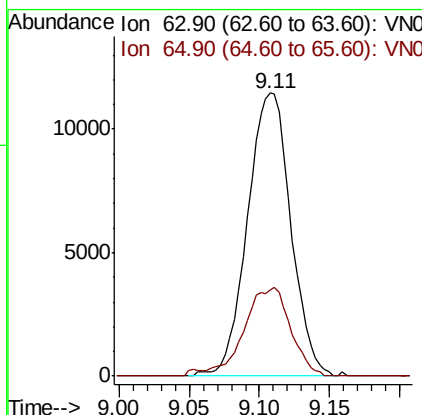
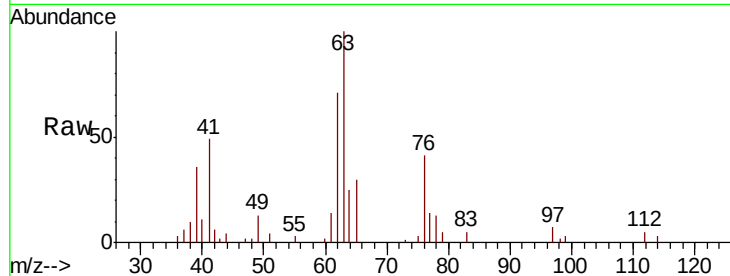




#45
 1,2-Dichloropropane
 Concen: 4.627 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

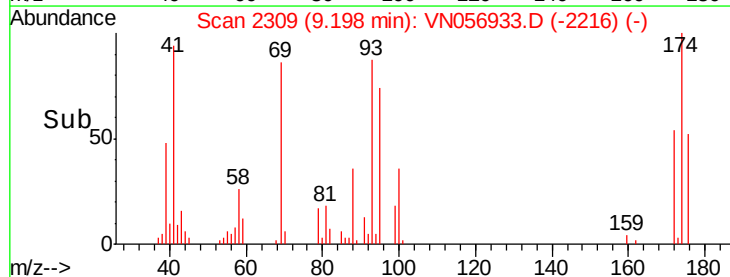
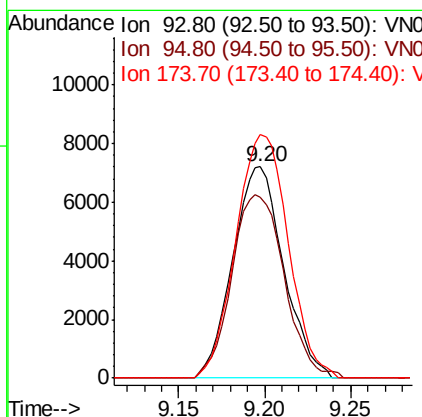
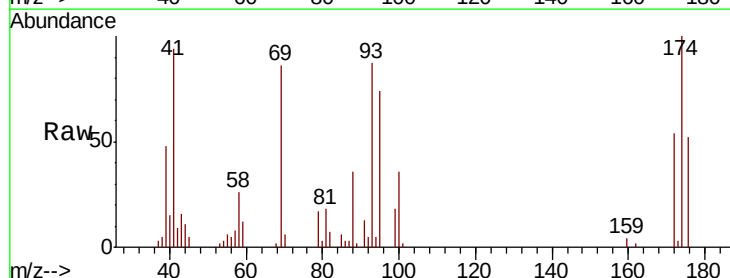
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

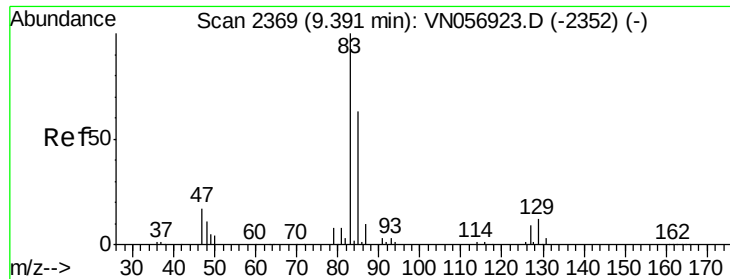
Tot Ion: 63 Resp: 24629
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.5 36.7



#46
 Dibromomethane
 Concen: 4.616 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion: 93 Resp: 14811
 Ion Ratio Lower Upper
 93 100
 95 89.7 66.8 100.2
 174 118.9 92.9 139.3





#47

Bromodichloromethane

Concen: 4.566 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

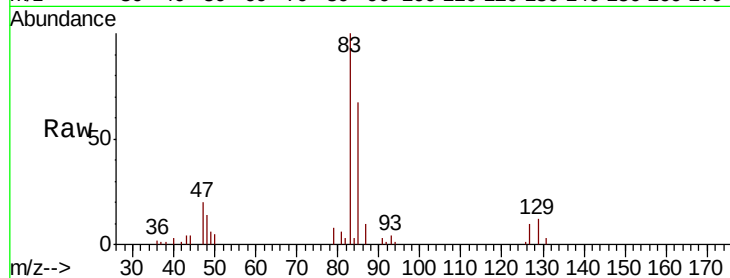
Tot Ion: 83 Resp: 28611

Ion Ratio Lower Upper

83 100

85 67.5 50.5 75.7

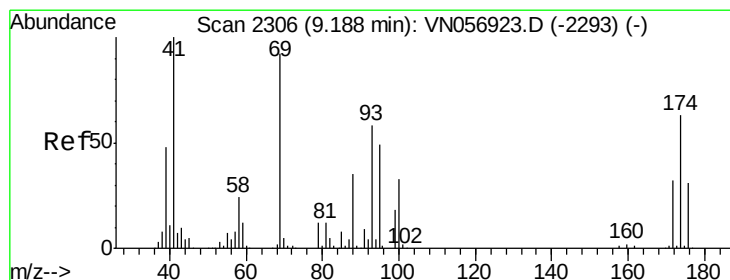
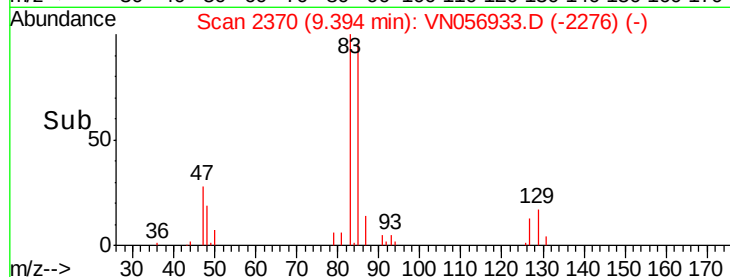
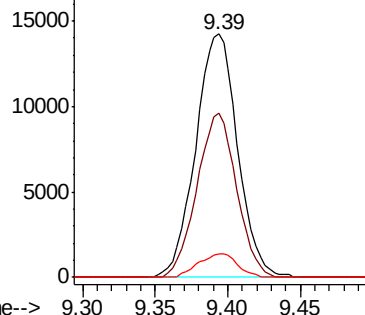
127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056933.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056933.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056933.D (-2276) (-)



#48

Methyl methacrylate

Concen: 4.743 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

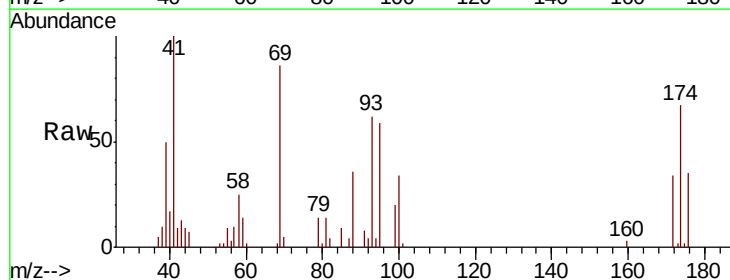
Tgt Ion: 41 Resp: 19280

Ion Ratio Lower Upper

41 100

69 87.0 73.4 110.0

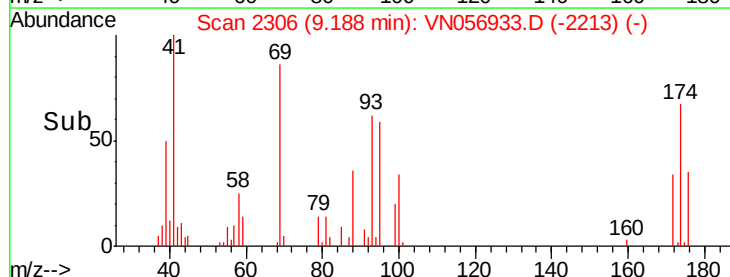
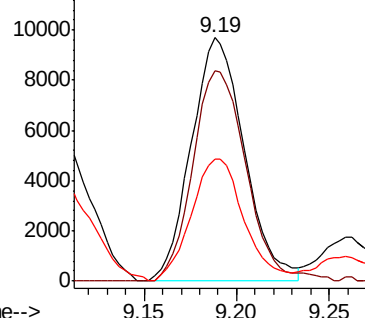
39 49.7 40.1 60.1

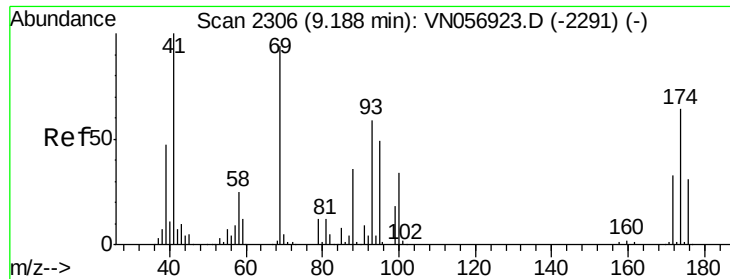


Abundance Ion 41.00 (40.70 to 41.70): VN056933.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056933.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056933.D (-2213) (-)

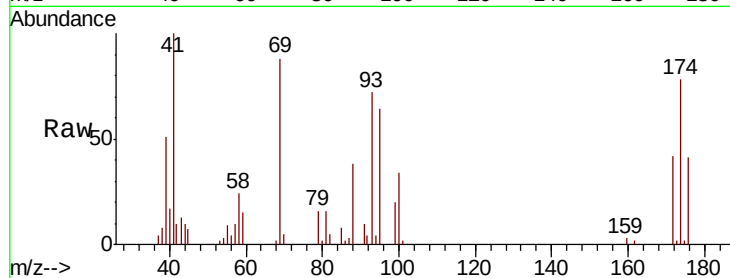




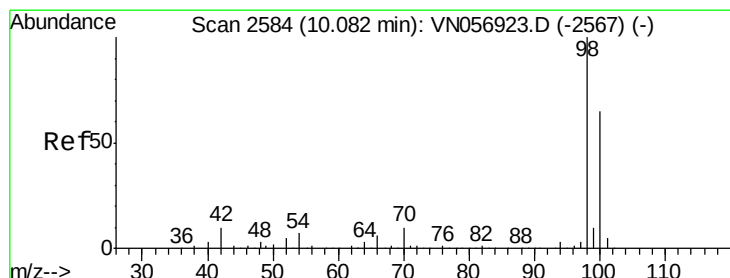
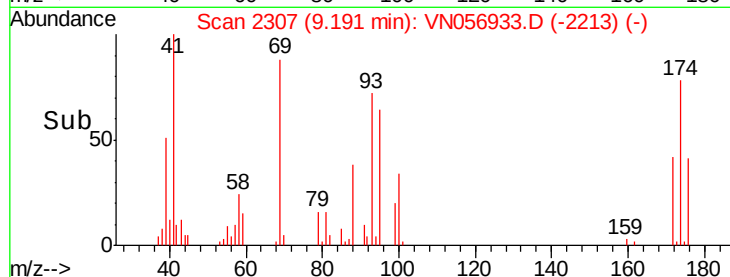
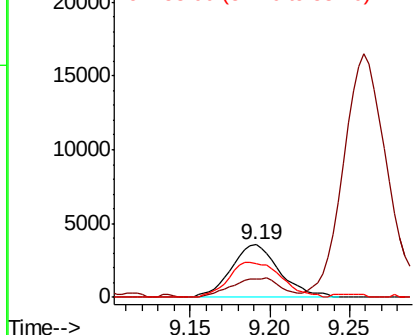
#49
1,4-Dioxane
Concen: 86.524 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

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

Tot Ion: 88 Resp: 7364
Ion Ratio Lower Upper
88 100
43 37.4 21.1 31.7#
58 71.7 52.5 78.7

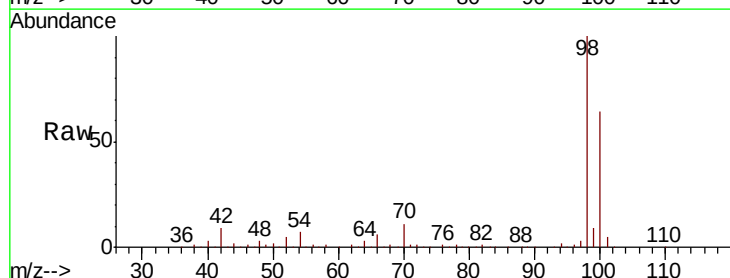


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

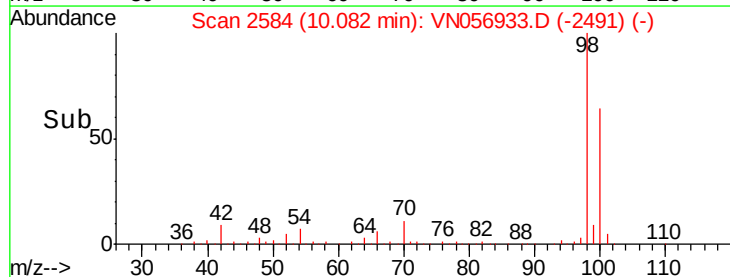
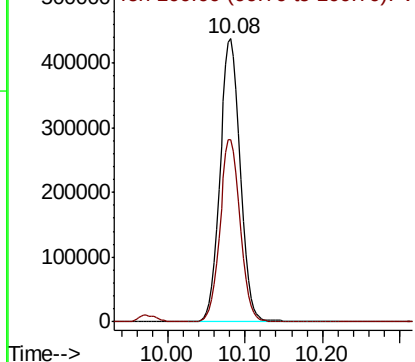


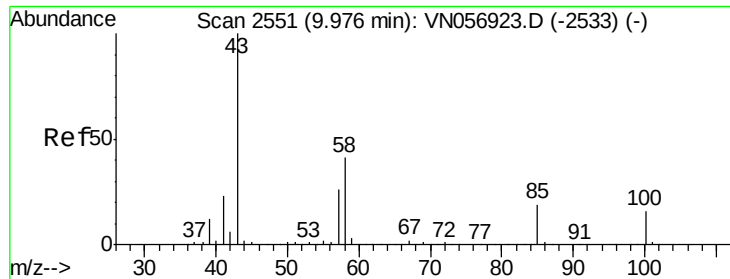
#50
Toluene-d8
Concen: 47.641 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 98 Resp: 801800
Ion Ratio Lower Upper
98 100
100 63.9 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: 23.122 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

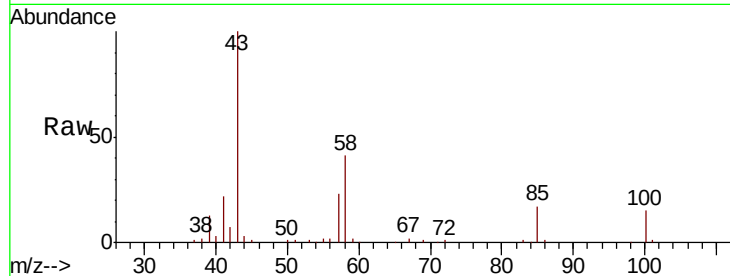
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 116400

Ion Ratio Lower Upper

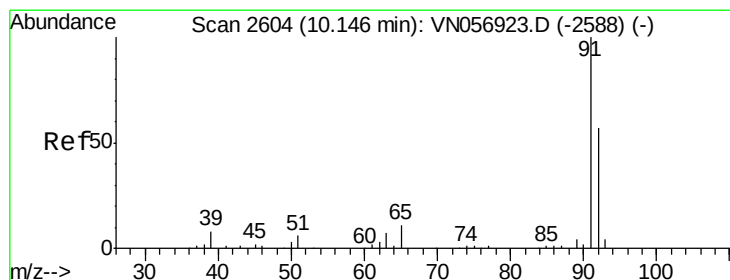
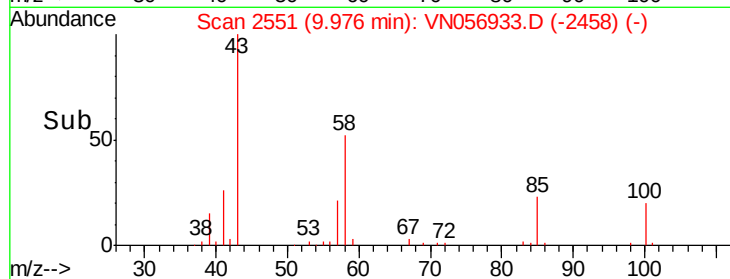
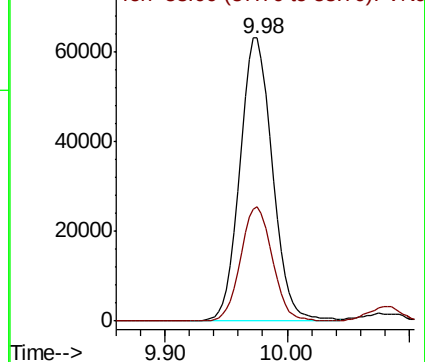
43 100

58 39.3 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: 4.747 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056933.D

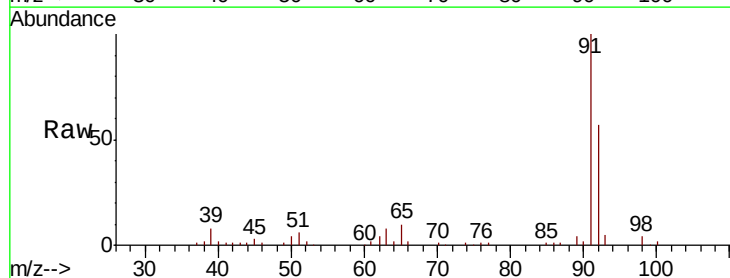
Acq: 25 Jul 2019 20:51

Tgt Ion: 92 Resp: 56387

Ion Ratio Lower Upper

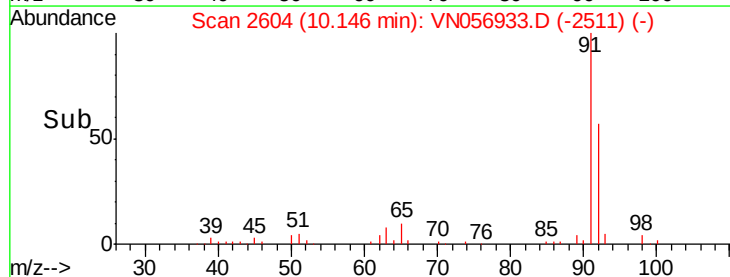
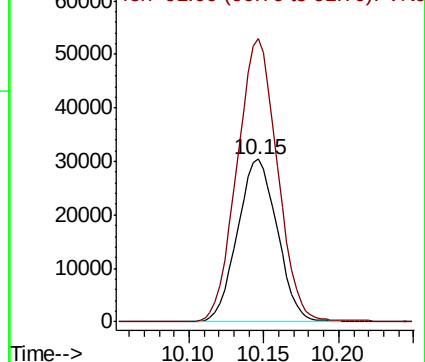
92 100

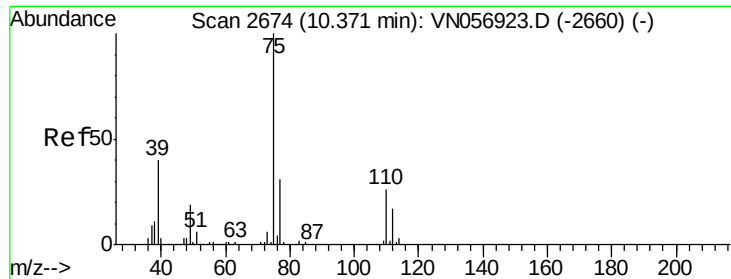
91 176.2 139.8 209.6



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: 4.163 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

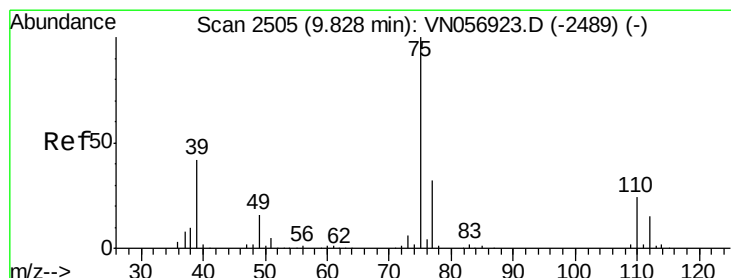
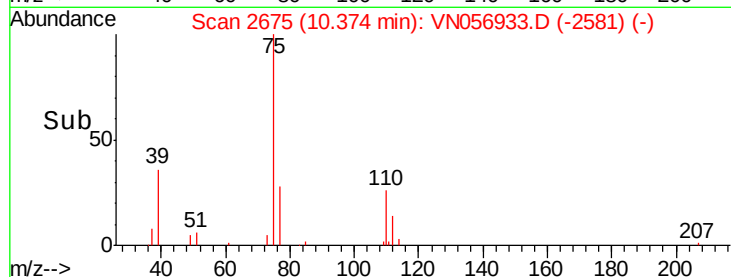
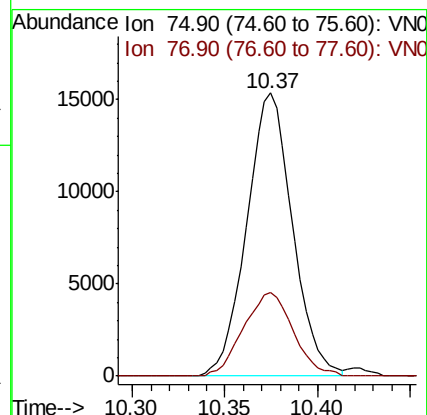
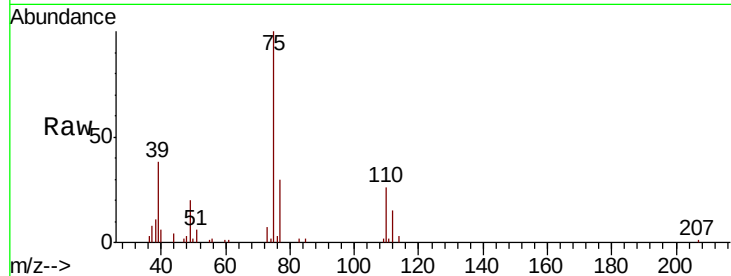
LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 26298

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 4.069 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

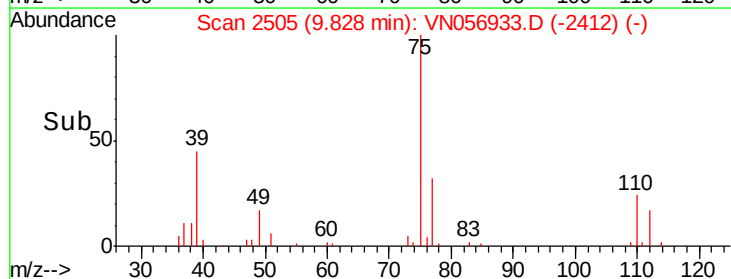
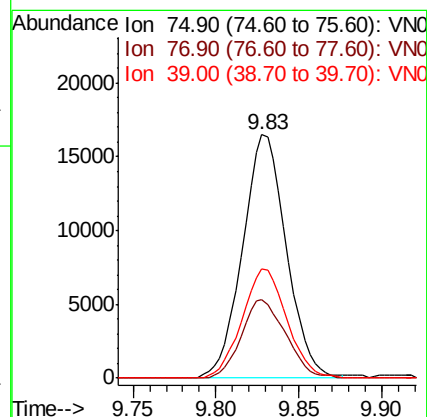
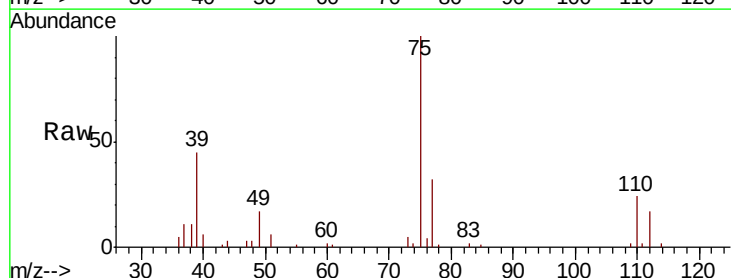
Tgt Ion: 75 Resp: 30264

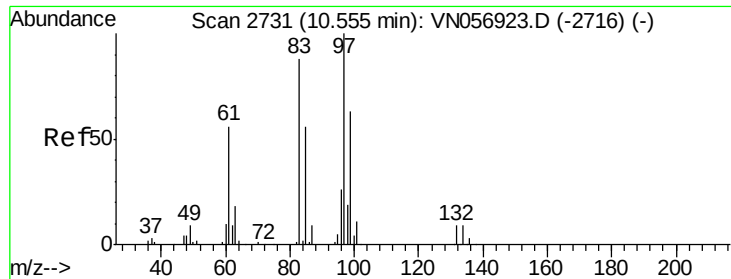
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 44.7 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 4.644 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 97 Resp: 22109

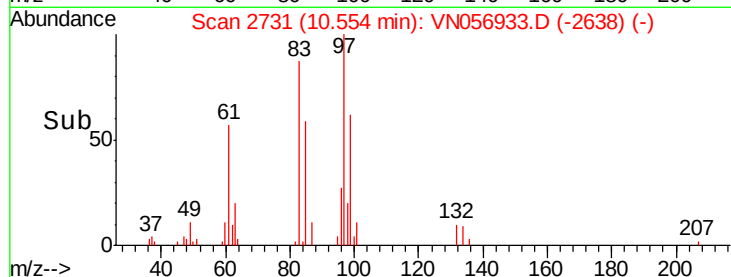
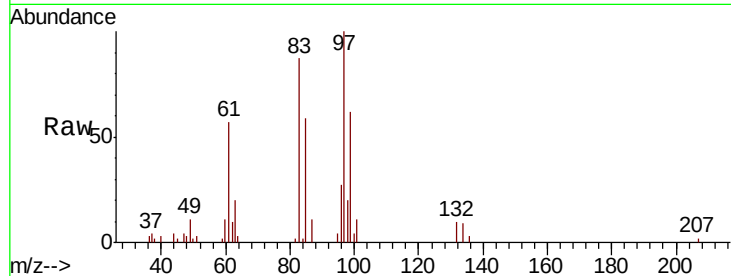
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	59.2	45.1	67.7
99	61.6	50.6	75.8

97 100

83 87.0 70.1 105.1

85 59.2 45.1 67.7

99 61.6 50.6 75.8



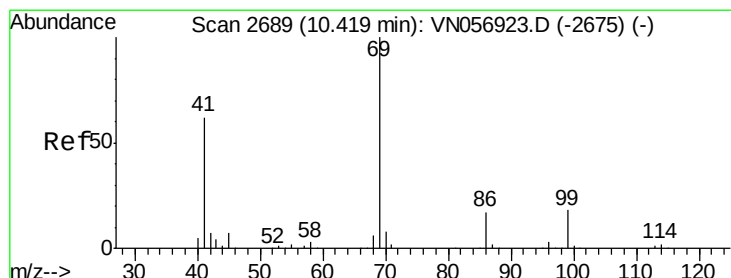
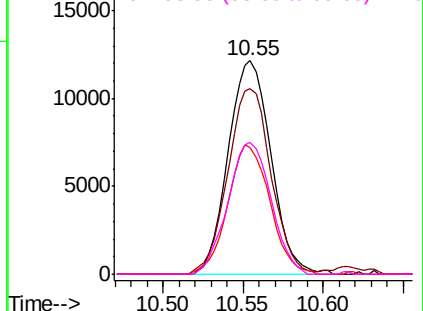
Abundance

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: 4.481 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

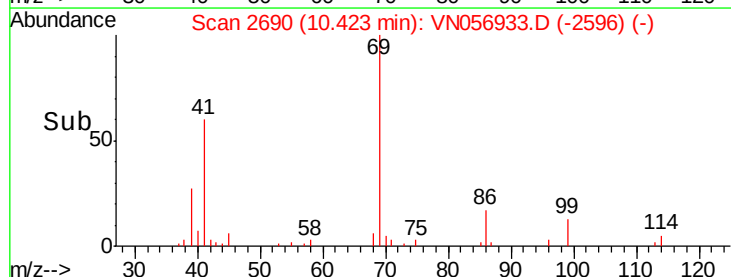
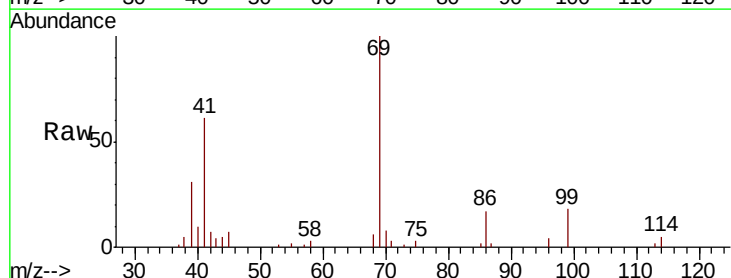
Tgt Ion: 69 Resp: 28680

Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.7	74.5
39	33.0	23.6	35.4

69 100

41 62.5 49.7 74.5

39 33.0 23.6 35.4

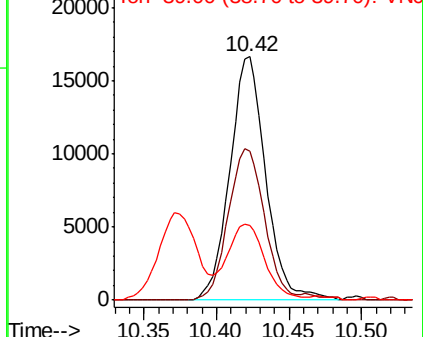


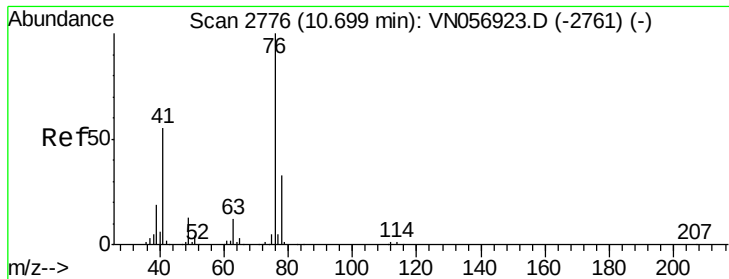
Abundance

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: 4.795 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

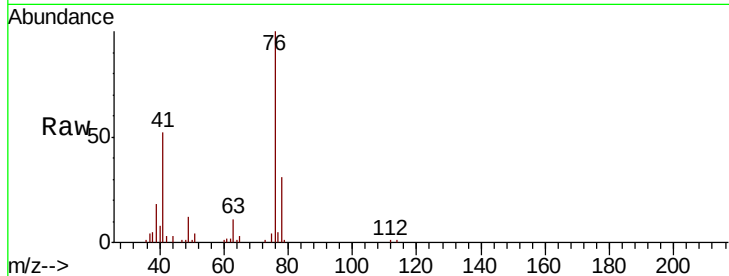
LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 37357

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN056933.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN056933.D (-2761) (-)

10.70

25000

20000

15000

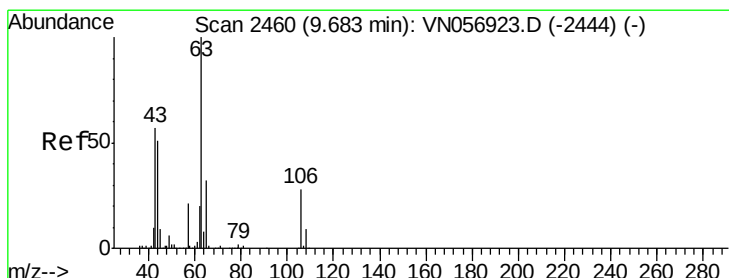
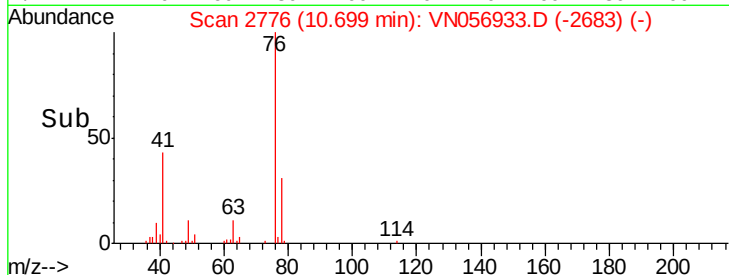
10000

5000

0

Time-->

10.65 10.70 10.75 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 21.066 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN056933.D

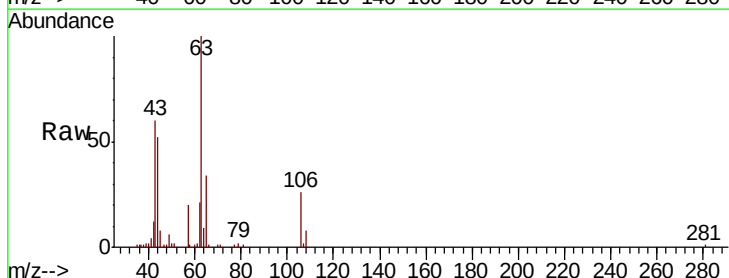
Acq: 25 Jul 2019 20:51

Tgt Ion: 63 Resp: 53145

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VN056933.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN056933.D (-2444) (-)

9.69

30000

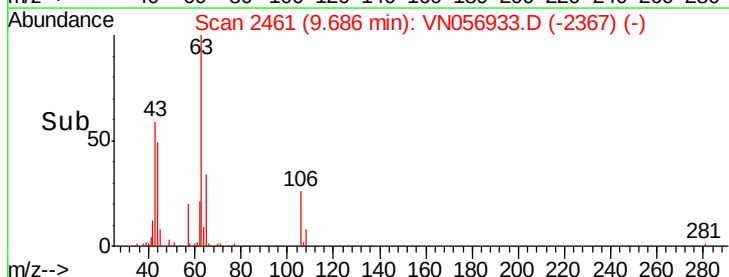
20000

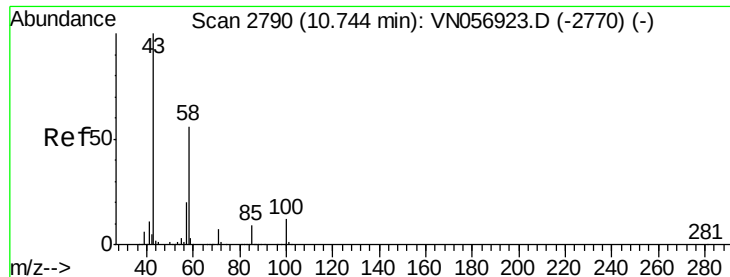
10000

0

Time-->

9.65 9.70 9.75

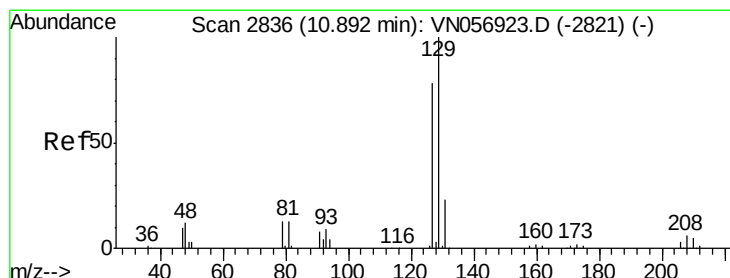
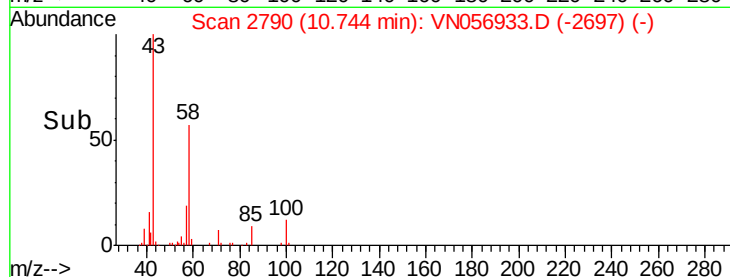
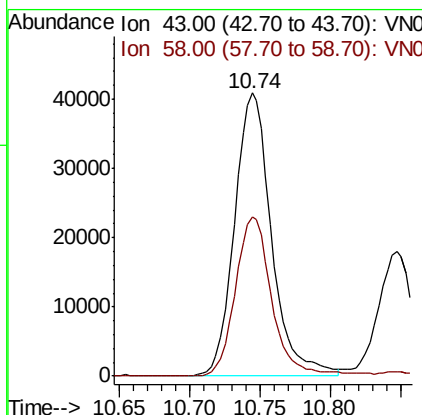
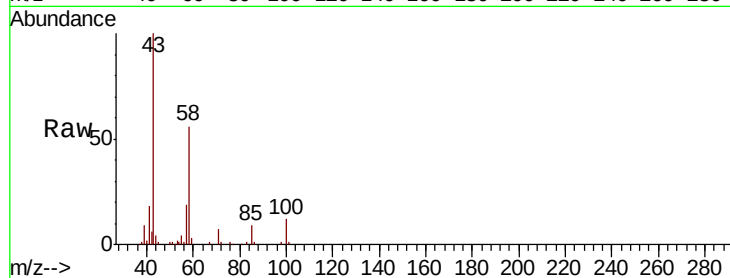




#59
2-Hexanone
Concen: 21.810 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

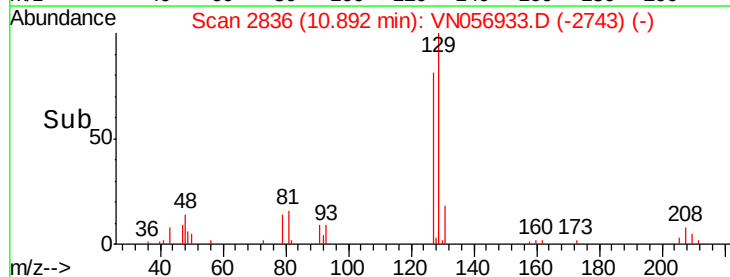
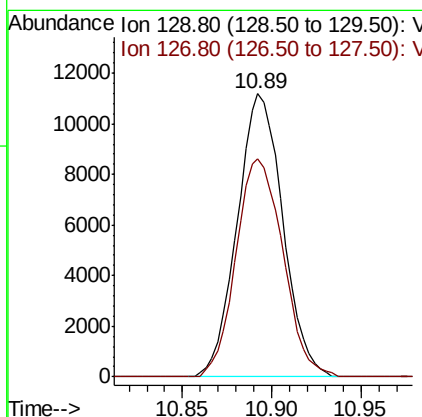
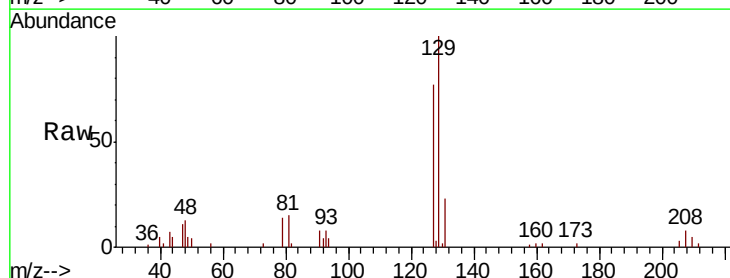
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

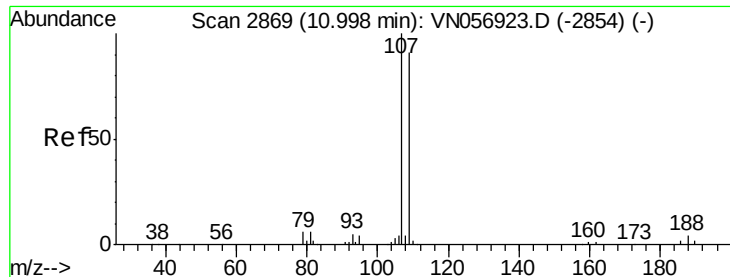
Tot Ion: 43 Resp: 75270
Ion Ratio Lower Upper
43 100
58 55.8 28.2 84.6



#60
Dibromochloromethane
Concen: 4.123 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 129 Resp: 19940
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 4.559 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

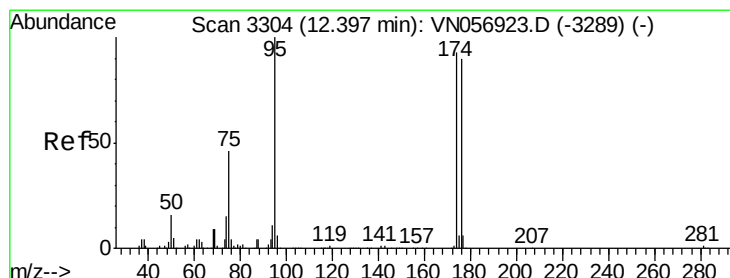
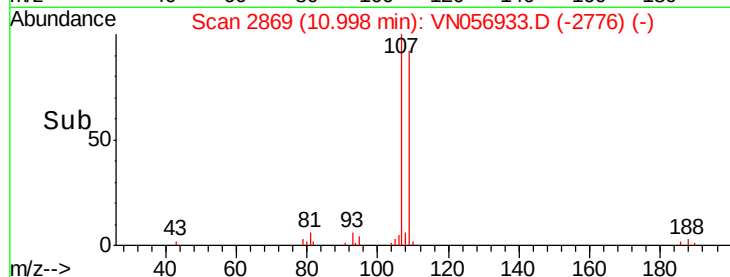
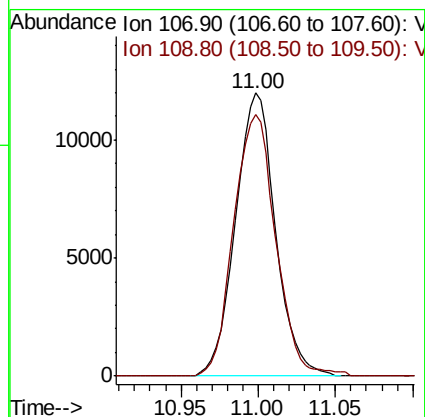
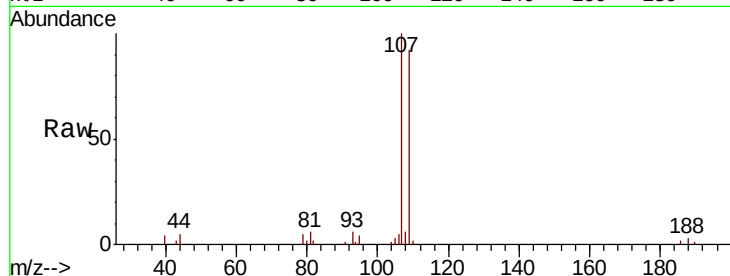
LOQ-WATER-02-QT3-2019

Tot Ion:107 Resp: 21541

Ion Ratio Lower Upper

107 100

109 96.8 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 41.319 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

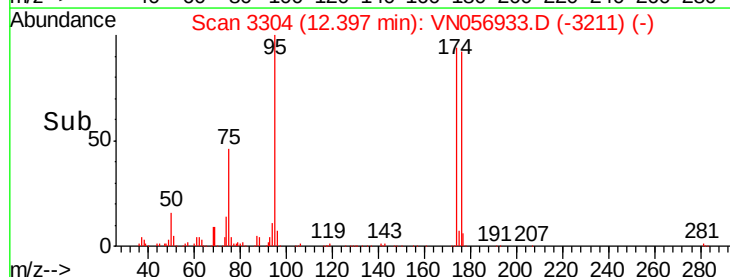
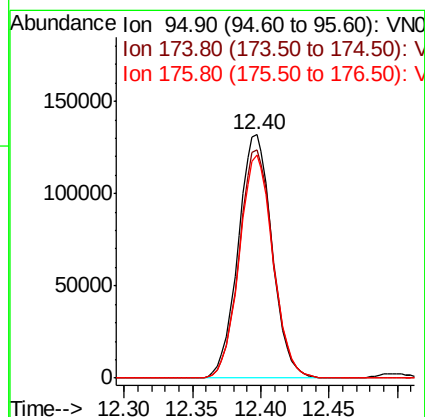
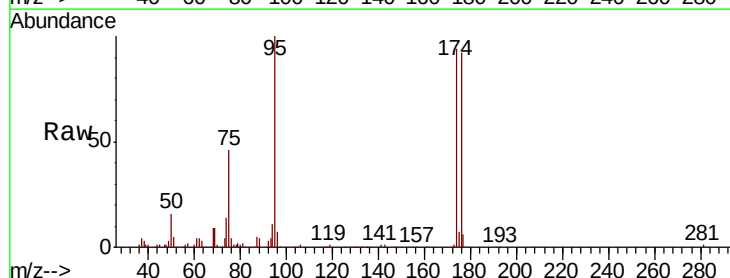
Tgt Ion: 95 Resp: 227063

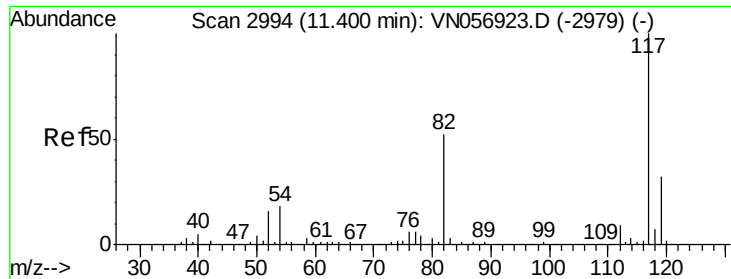
Ion Ratio Lower Upper

95 100

174 93.5 0.0 186.2

176 91.2 0.0 179.6

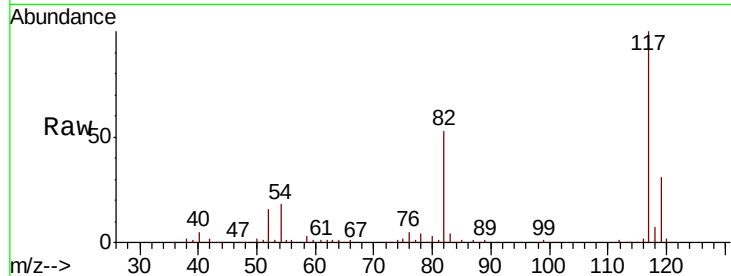




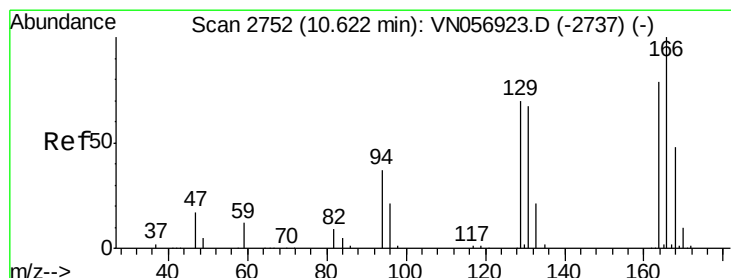
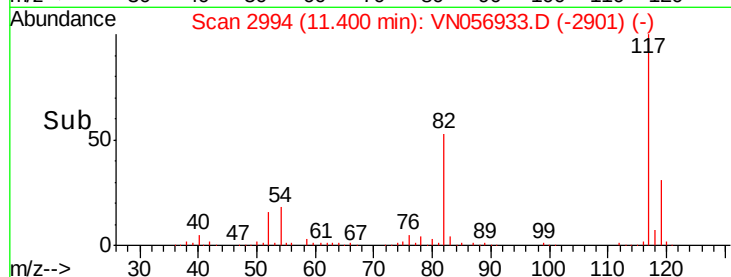
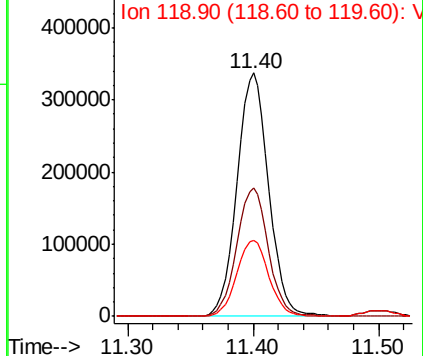
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

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

Tot Ion:117 Resp: 590166
Ion Ratio Lower Upper
117 100
82 52.6 41.7 62.5
119 31.4 25.5 38.3

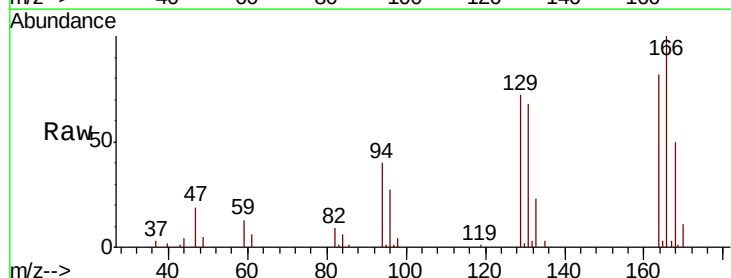


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

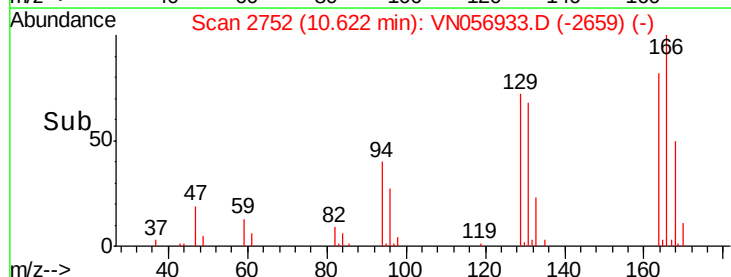
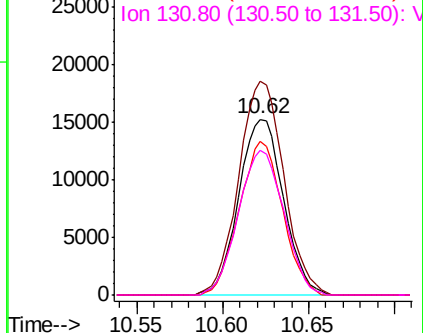


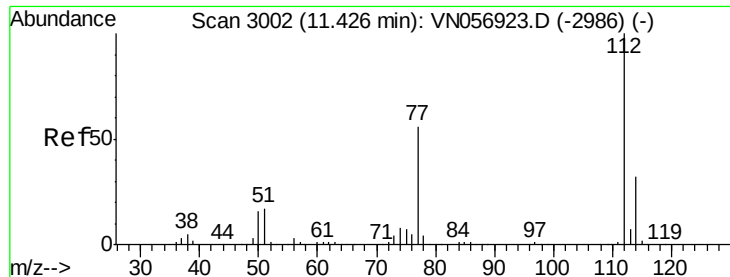
#64
Tetrachloroethene
Concen: 5.093 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion:164 Resp: 27456
Ion Ratio Lower Upper
164 100
166 121.7 101.6 152.4
129 87.8 70.9 106.3
131 82.6 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

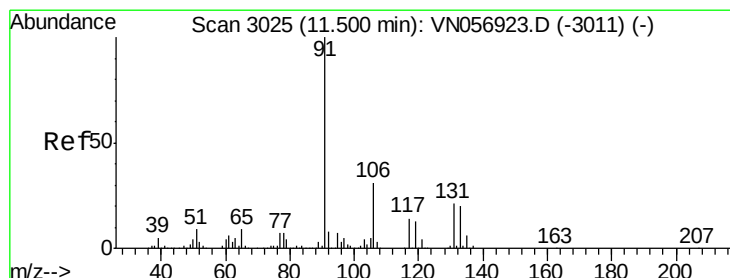
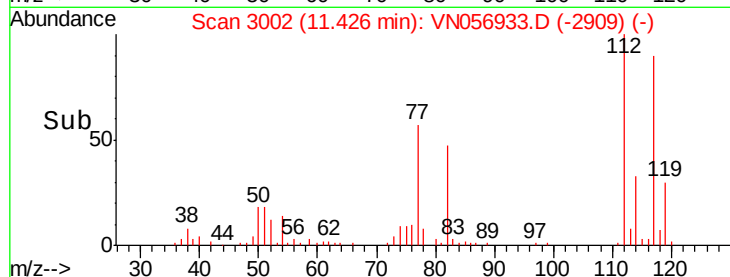
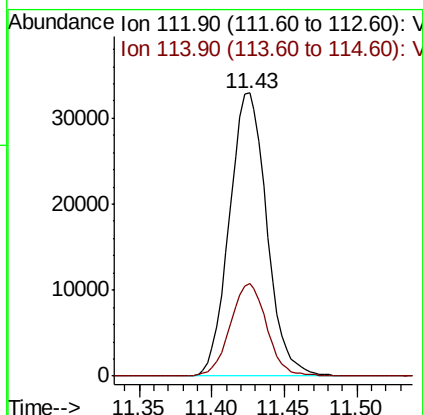
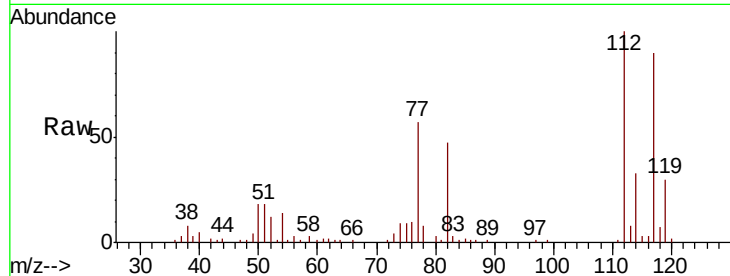




#65
Chlorobenzene
Concen: 4.775 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

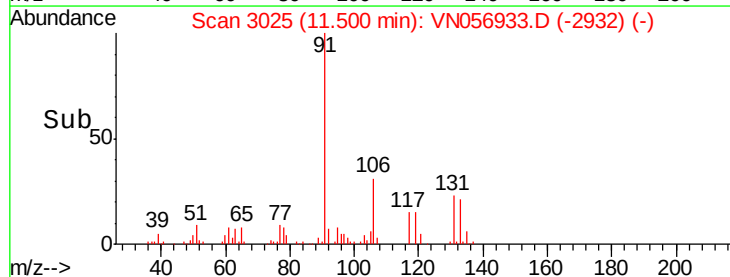
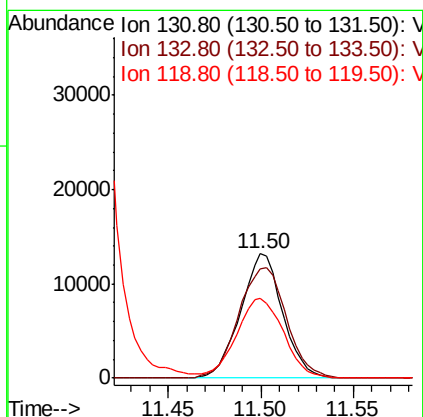
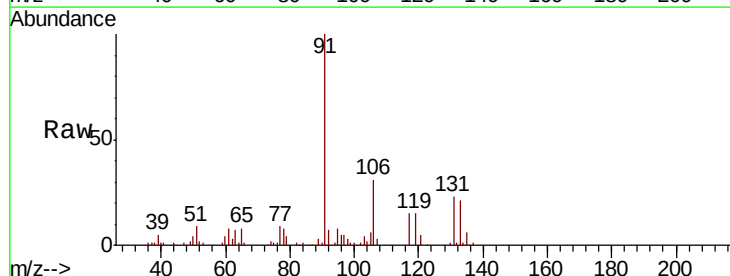
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

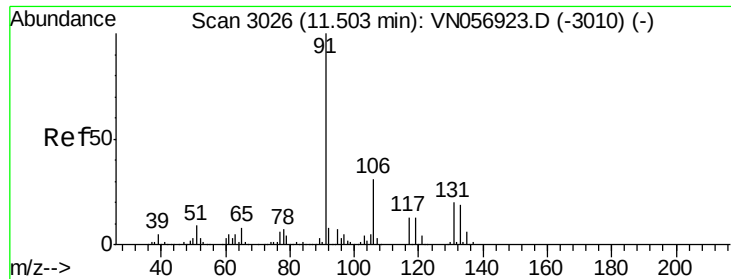
Tot Ion:112 Resp: 58965
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.547 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion:131 Resp: 20881
Ion Ratio Lower Upper
131 100
133 100.9 47.1 141.4
119 72.0 32.6 98.0

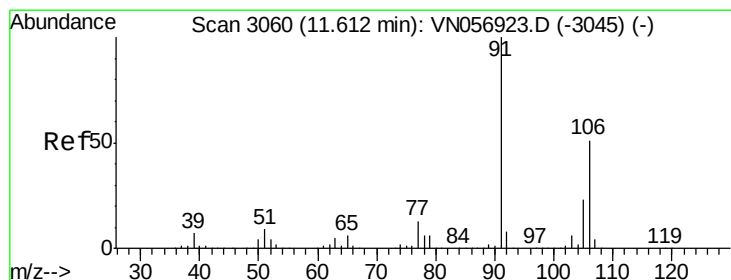
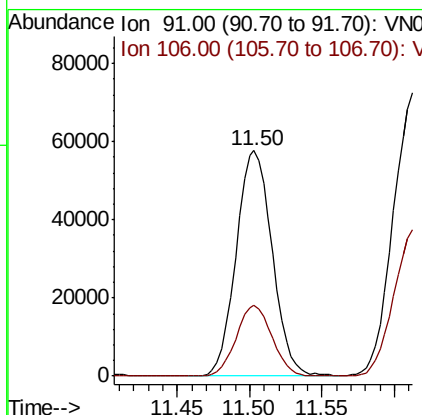
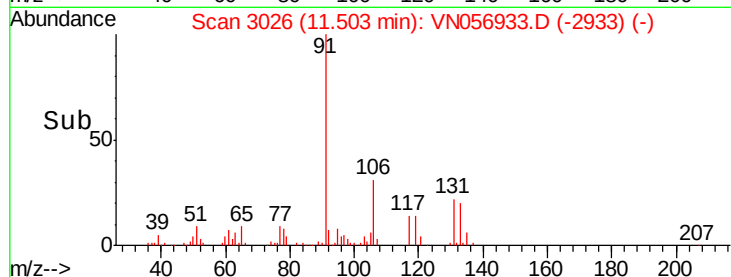
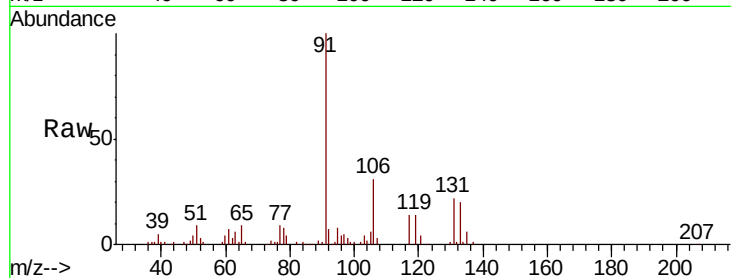




#67
Ethyl Benzene
Concen: 4.683 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

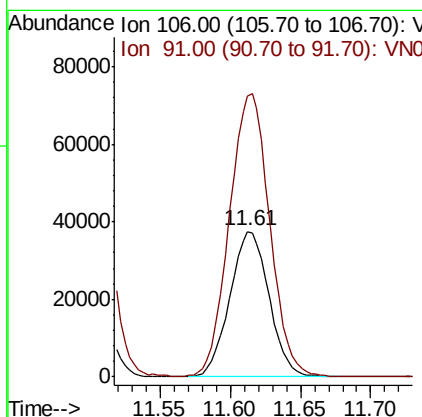
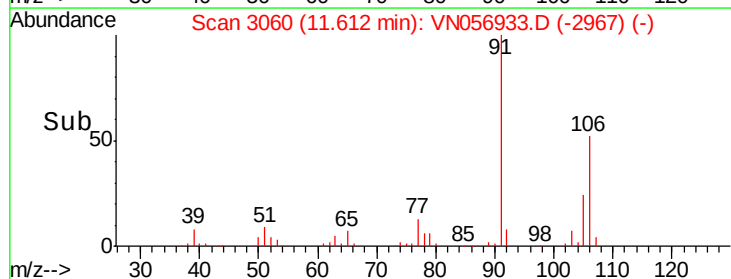
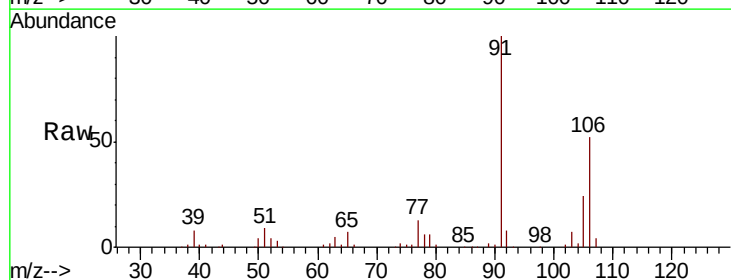
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

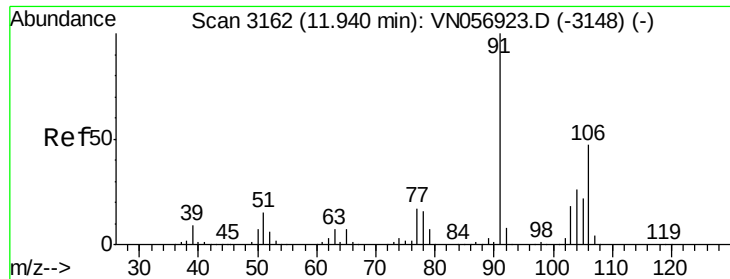
Tot Ion: 91 Resp: 99560
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 9.192 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 106 Resp: 72865
Ion Ratio Lower Upper
106 100
91 200.6 159.6 239.4

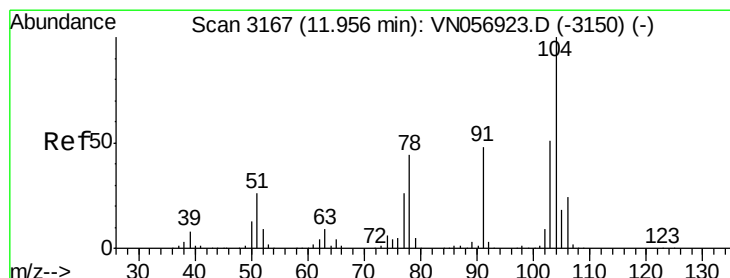
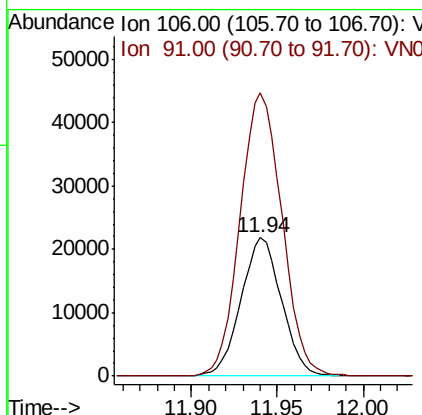
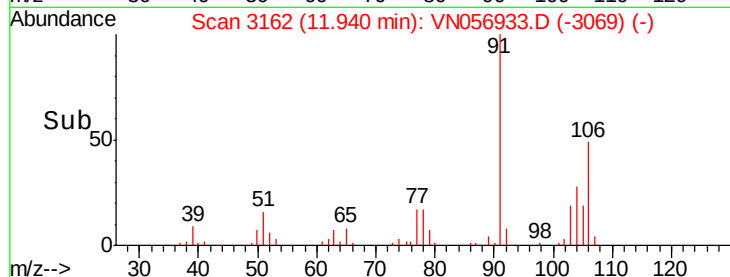
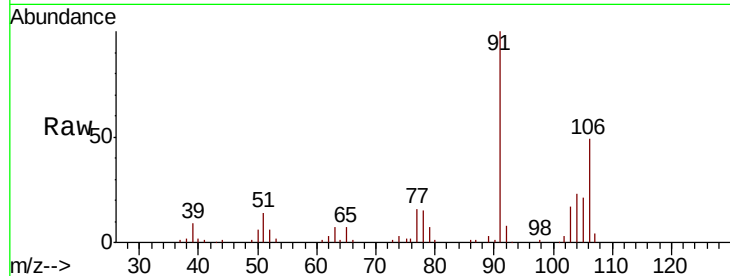




#69
o-Xylene
Concen: 4.628 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

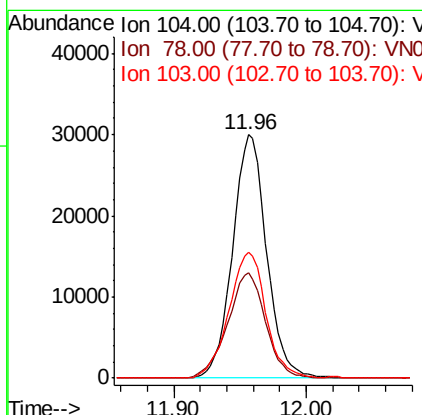
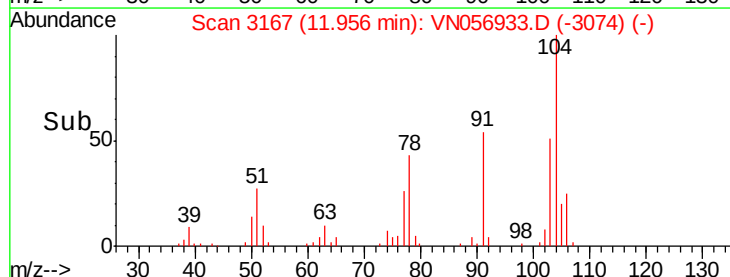
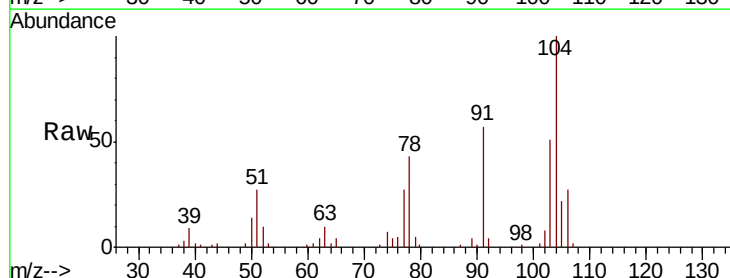
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

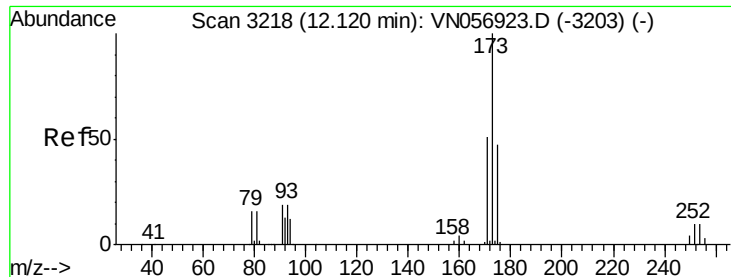
Tot Ion:106 Resp: 35903
Ion Ratio Lower Upper
106 100
91 211.5 105.7 317.0



#70
Styrene
Concen: 4.337 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion:104 Resp: 53288
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 56.3 44.1 66.1





#71

Bromoform

Concen: 4.265 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

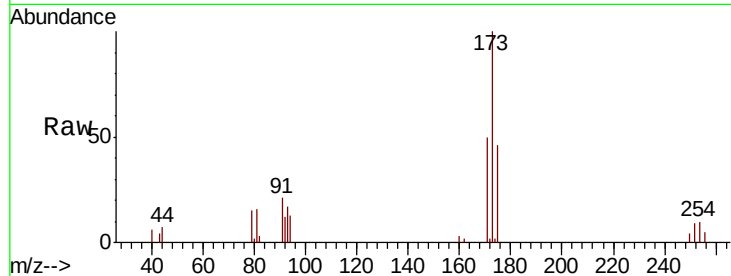
Tot Ion:173 Resp: 13603

Ion Ratio Lower Upper

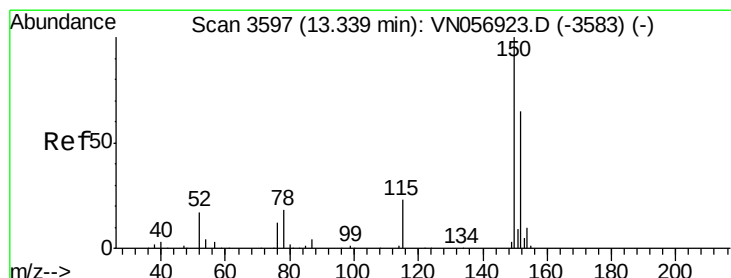
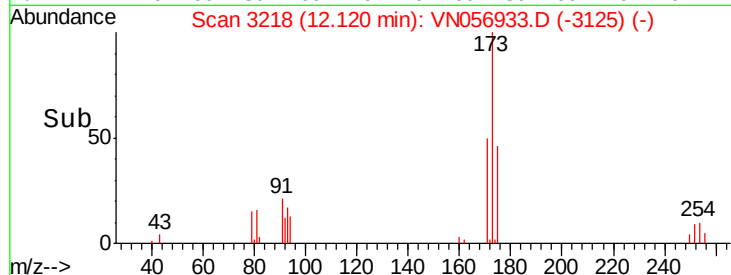
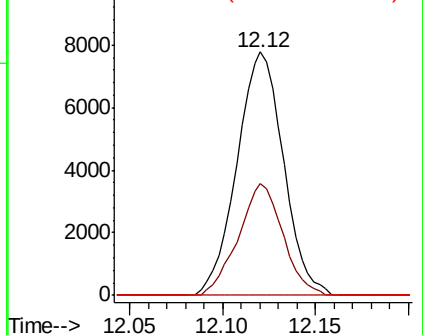
173 100

175 43.9 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: VN056933.D

Acq: 25 Jul 2019 20:51

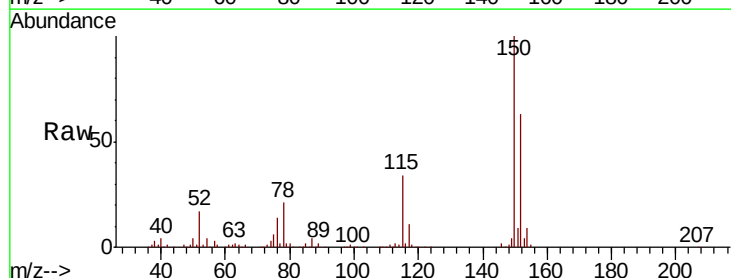
Tgt Ion:152 Resp: 195126

Ion Ratio Lower Upper

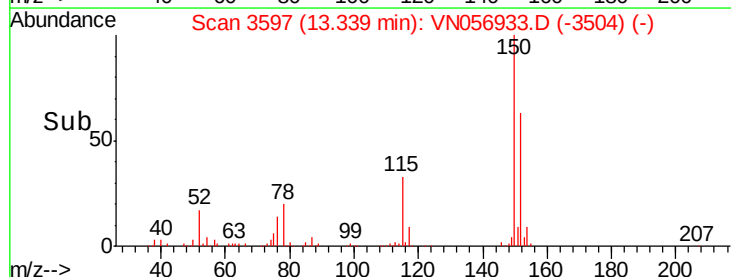
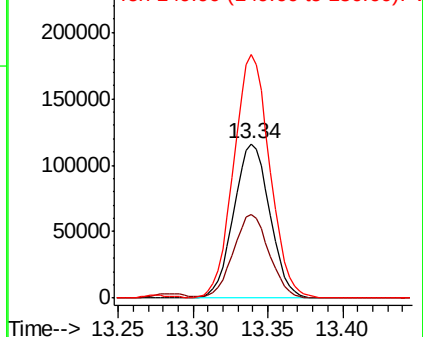
152 100

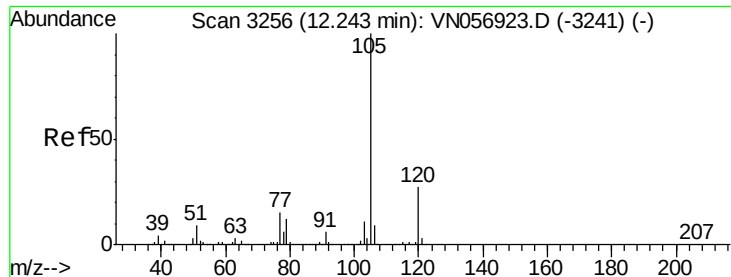
115 54.2 27.9 83.7

150 157.8 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: 2.879 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

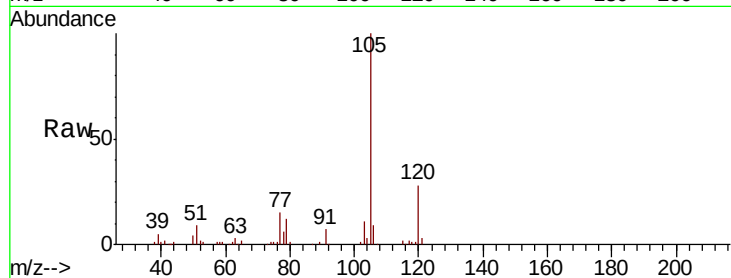
LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 92902

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

60000

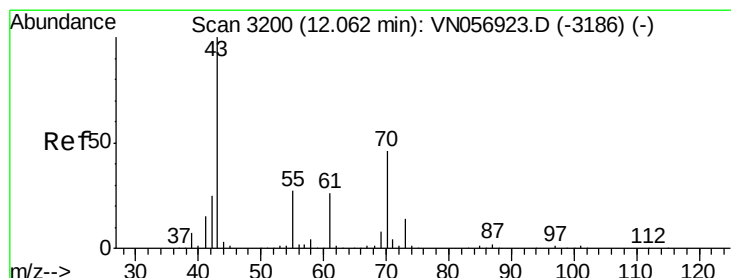
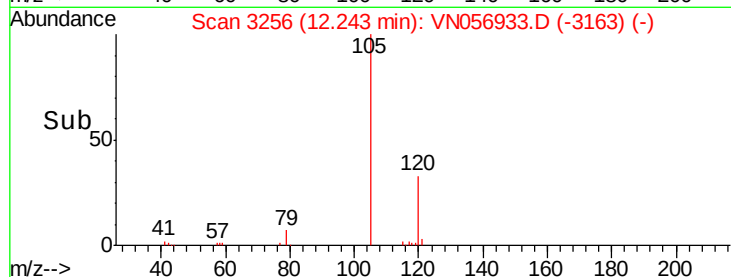
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.250 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Tgt Ion: 43 Resp: 27373

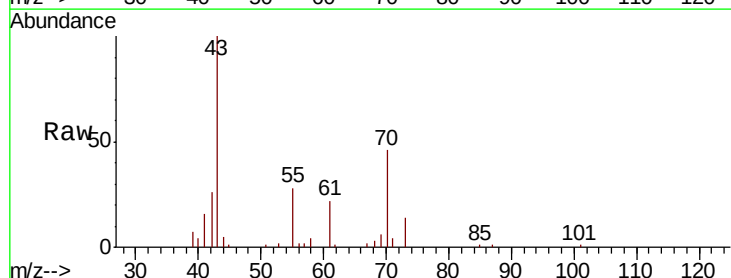
Ion Ratio Lower Upper

43 100

70 44.7 35.9 53.9

55 25.8 21.4 32.2

61 22.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

25000

20000

15000

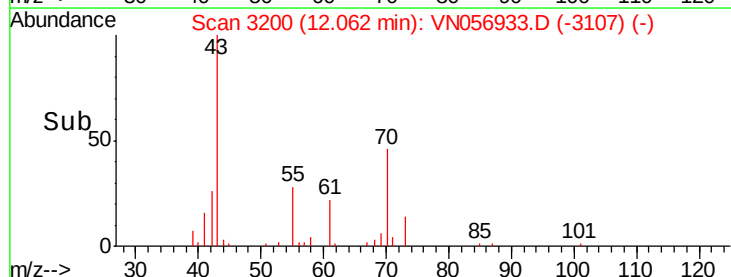
10000

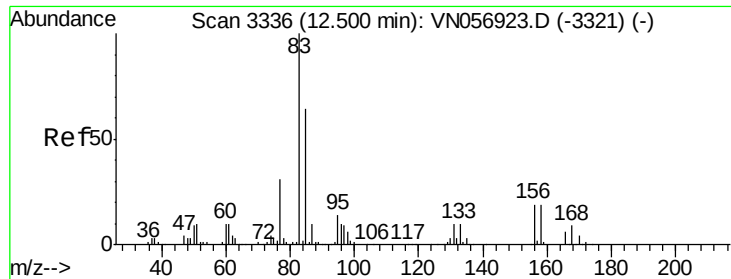
5000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 5.474 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

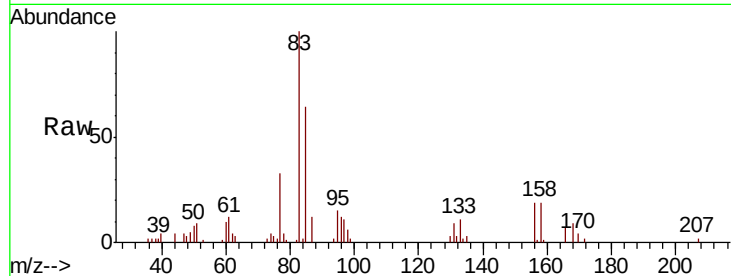
Tot Ion: 83 Resp: 28011

Ion Ratio Lower Upper

83 100

131 9.2 5.3 15.8

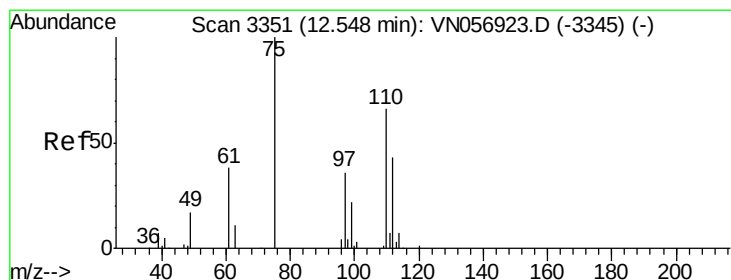
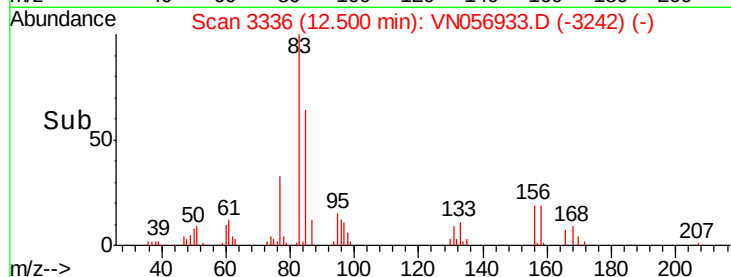
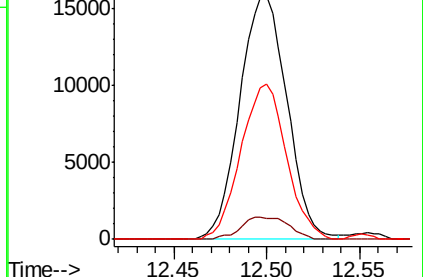
85 61.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN056933.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056933.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056933.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 8.069 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056933.D

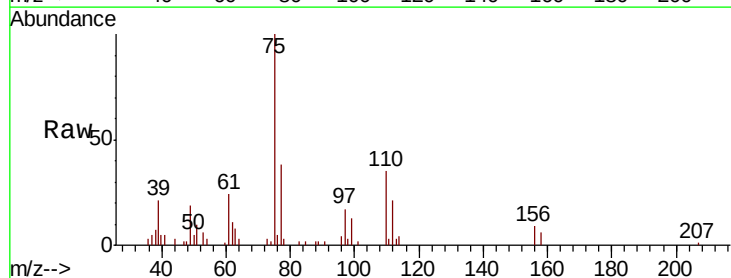
Acq: 25 Jul 2019 20:51

Tgt Ion: 75 Resp: 31523

Ion Ratio Lower Upper

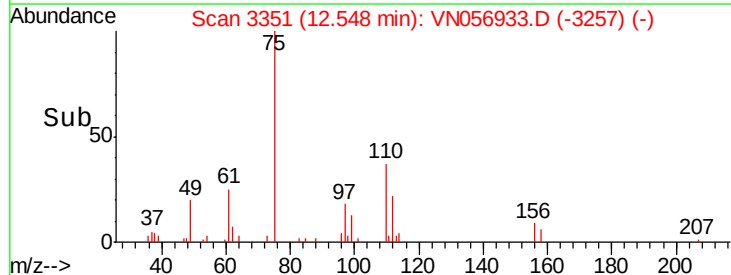
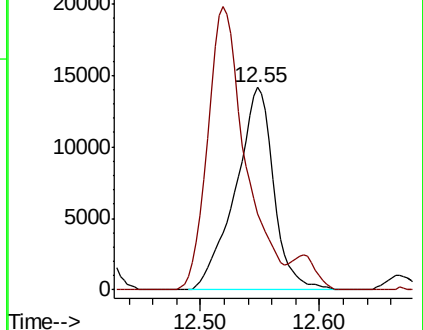
75 100

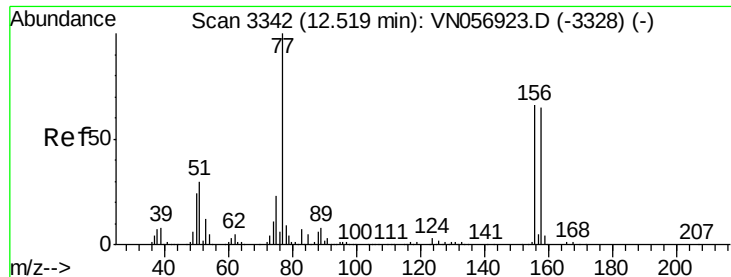
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056933.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN056933.D (-3351) (-)





#77

Bromobenzene

Concen: 5.359 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

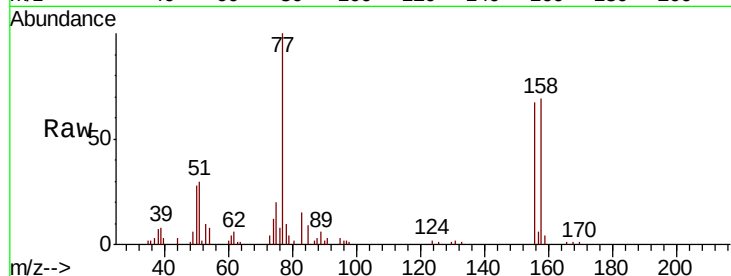
Tot Ion:156 Resp: 24319

Ion Ratio Lower Upper

156 100

77 178.3 90.8 272.3

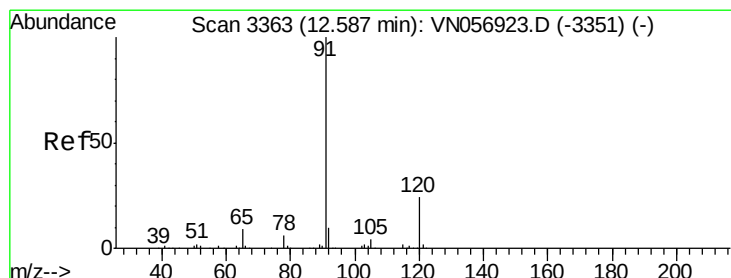
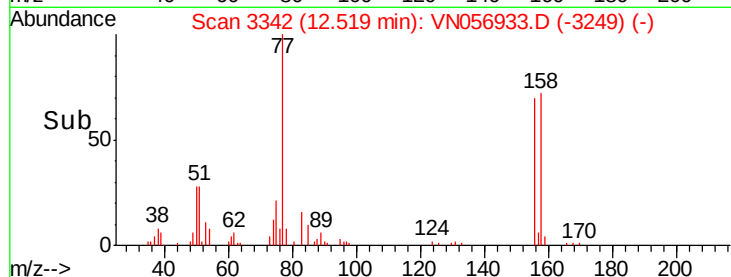
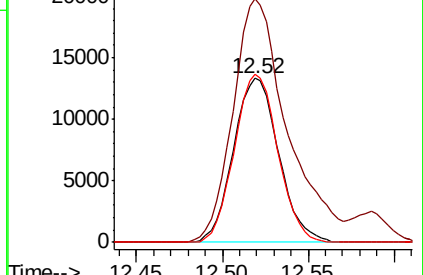
158 98.3 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.109 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN056933.D

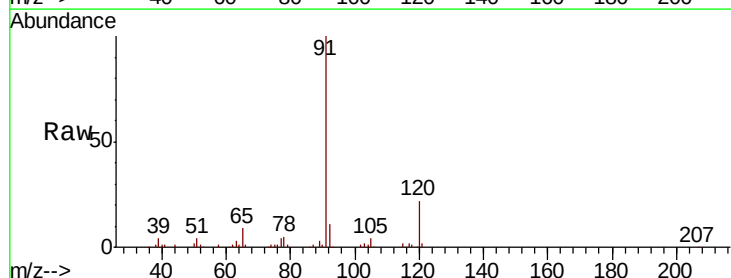
Acq: 25 Jul 2019 20:51

Tgt Ion: 91 Resp: 95830

Ion Ratio Lower Upper

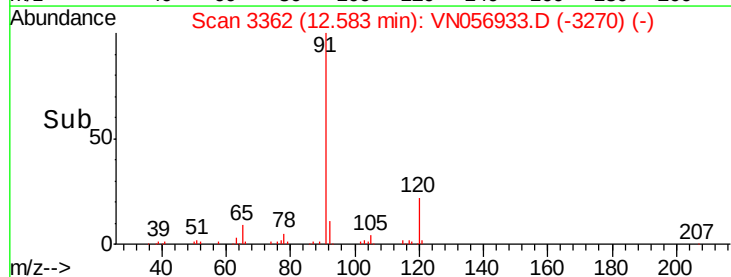
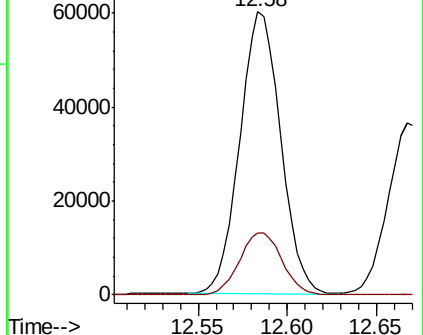
91 100

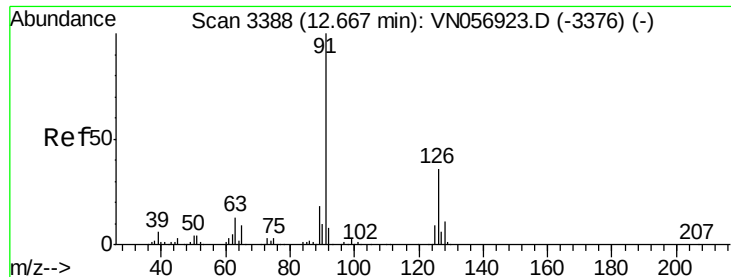
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.155 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

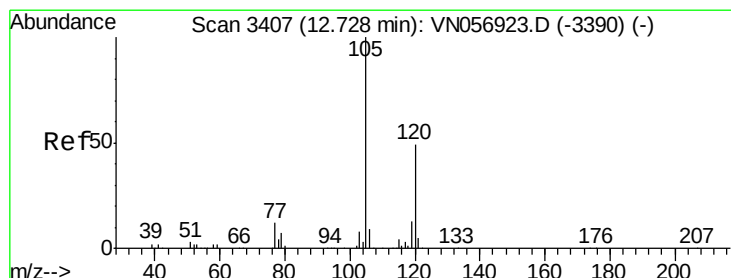
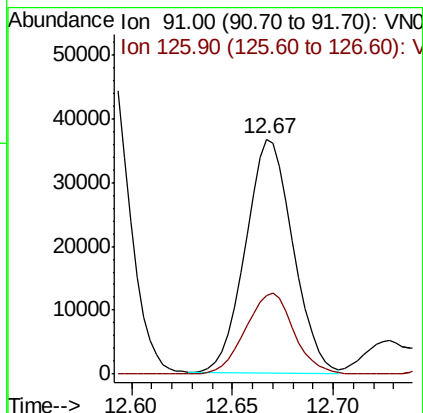
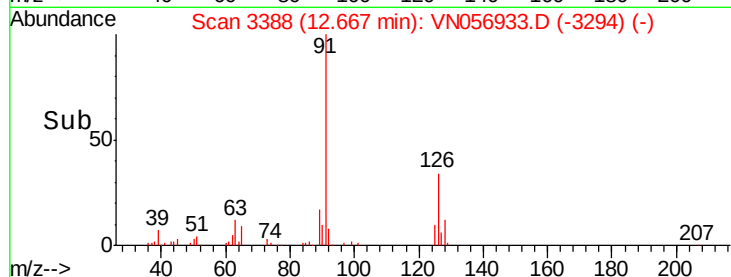
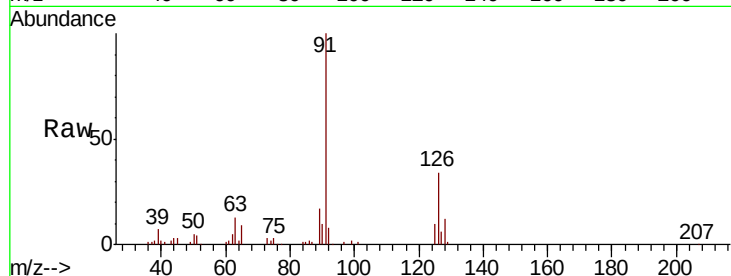
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 60194

Ion Ratio Lower Upper

91 100

126 35.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 5.289 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056933.D

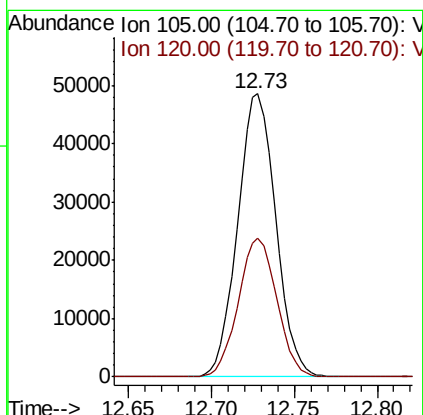
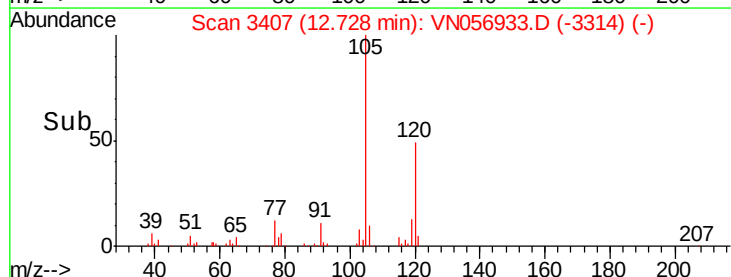
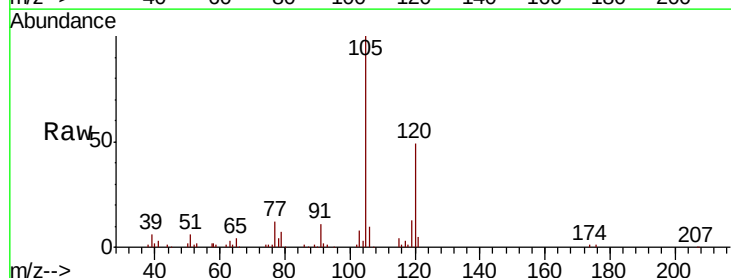
Acq: 25 Jul 2019 20:51

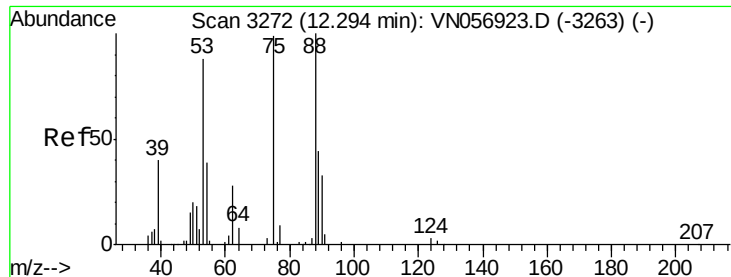
Tgt Ion:105 Resp: 77562

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.7

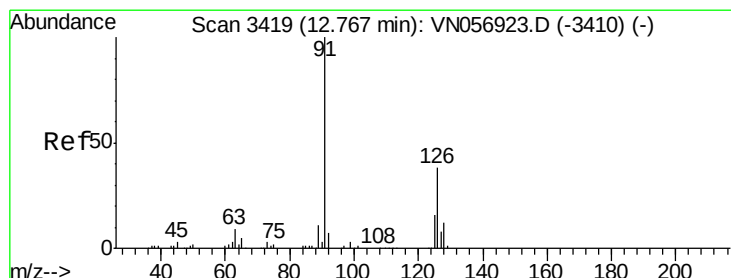
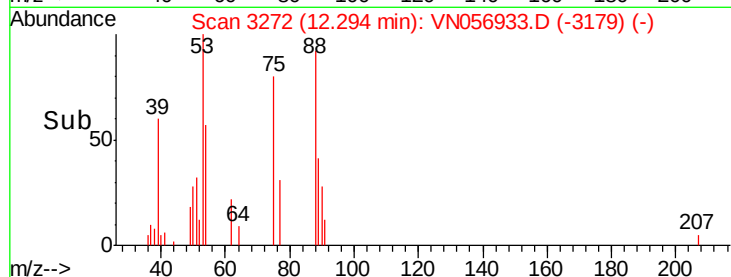
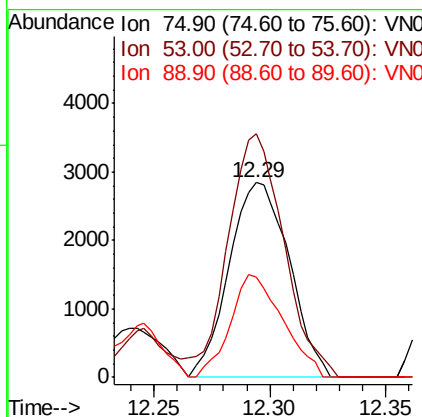
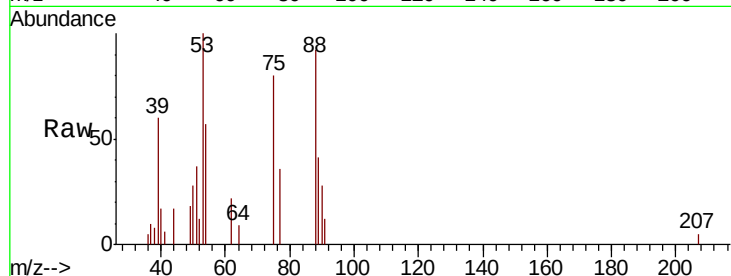




#81
trans-1,4-Dichloro-2-butene
Concen: 4.129 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

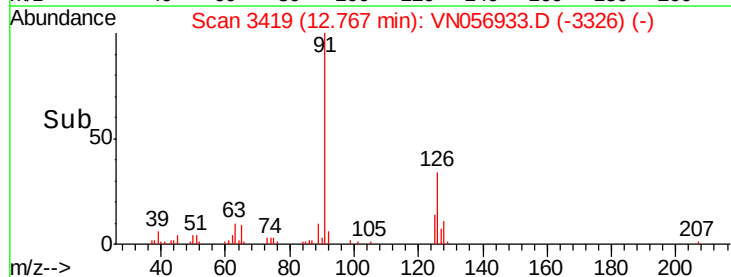
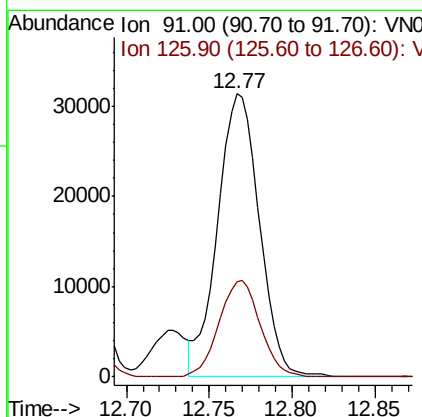
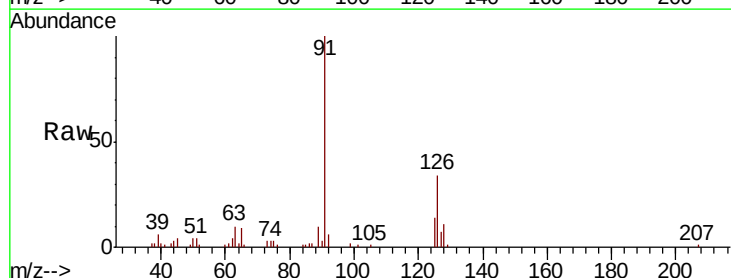
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

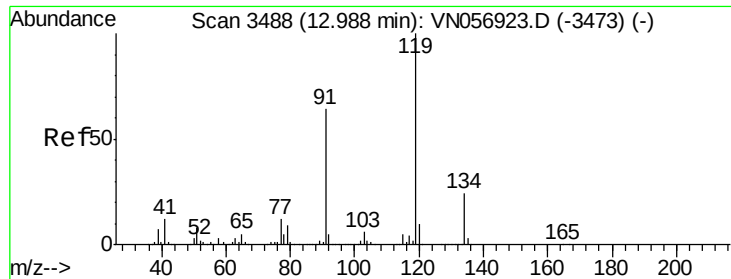
Tot Ion: 75 Resp: 5115
Ion Ratio Lower Upper
75 100
53 116.1 72.3 108.5#
89 46.0 36.2 54.2



#82
4-Chlorotoluene
Concen: 5.126 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion: 91 Resp: 54988
Ion Ratio Lower Upper
91 100
126 33.4 17.3 51.7

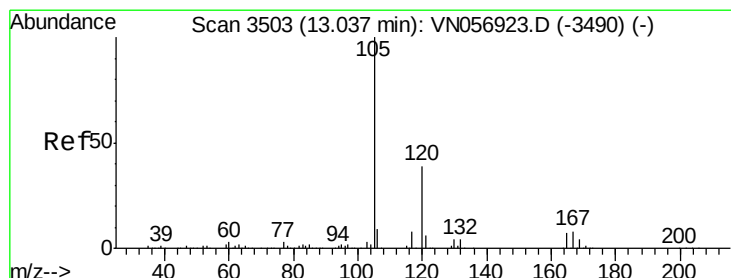
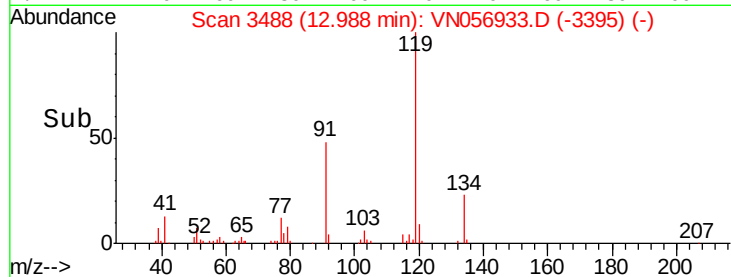
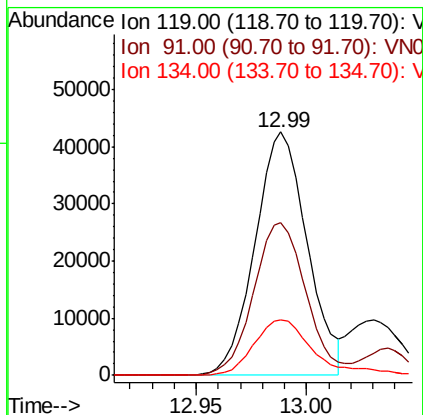
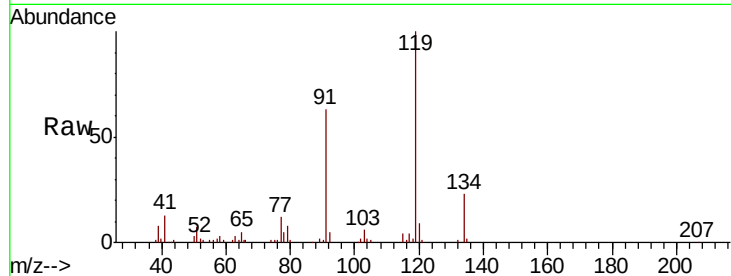




#83
 tert-Butylbenzene
 Concen: 5.402 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

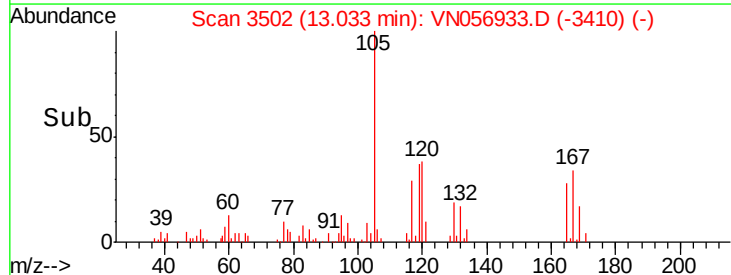
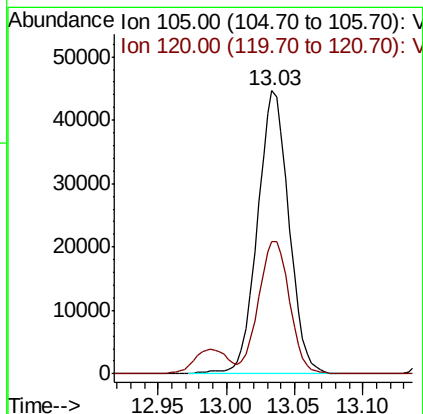
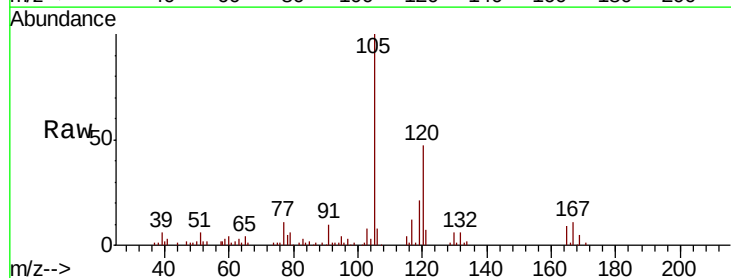
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

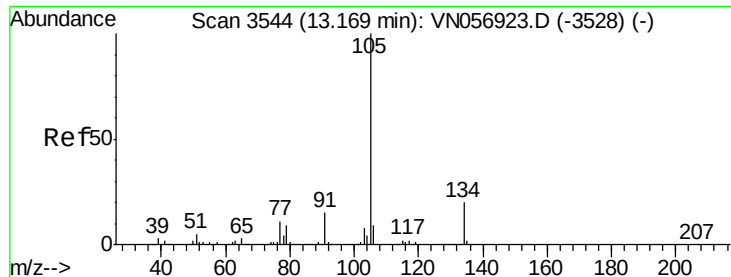
Tot Ion:119 Resp: 69806
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 95.0
 134 26.1 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.136 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion:105 Resp: 71325
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 5.119 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

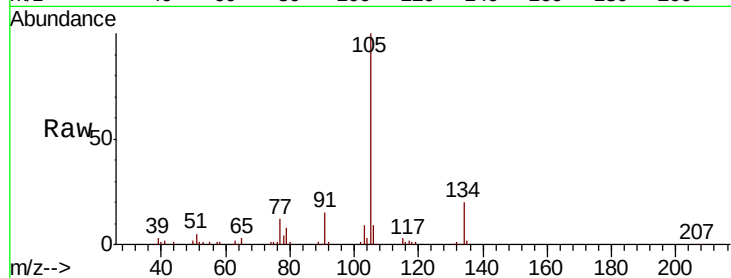
LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 83636

Ion Ratio Lower Upper

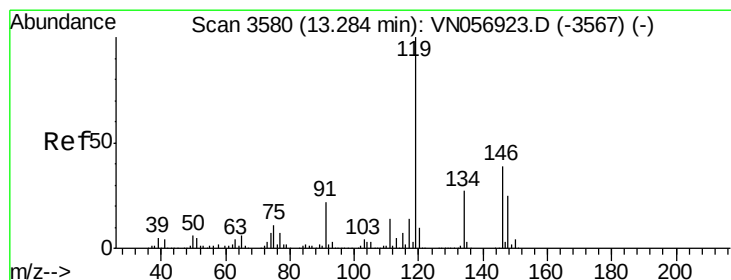
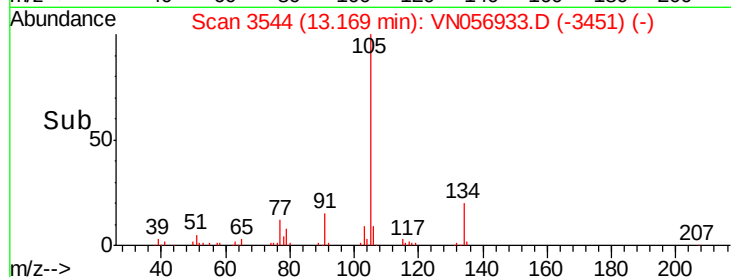
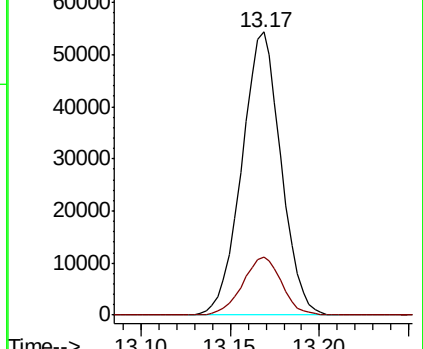
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.175 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

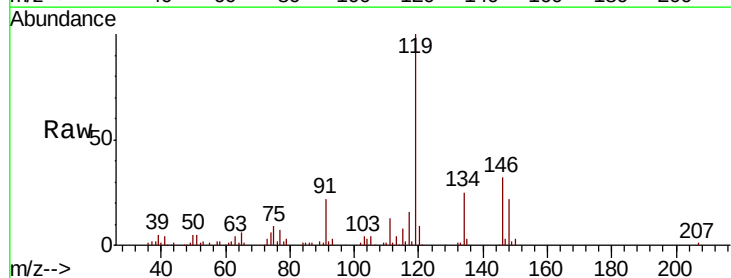
Tgt Ion:119 Resp: 74715

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

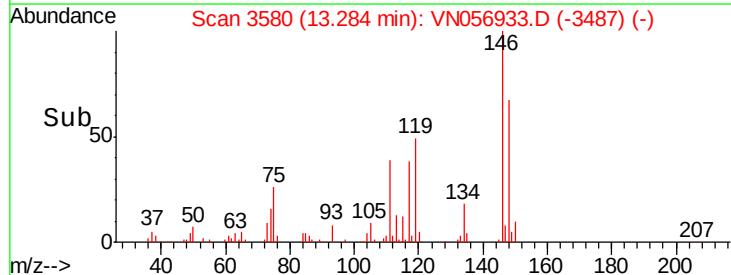
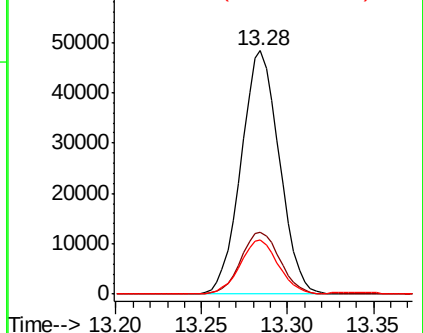
91 22.3 11.0 33.0

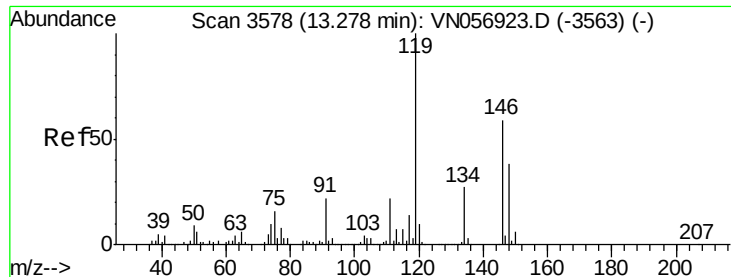


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.675 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

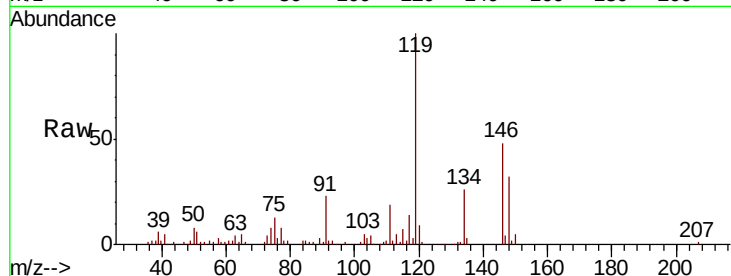
Tot Ion:146 Resp: 31745

Ion Ratio Lower Upper

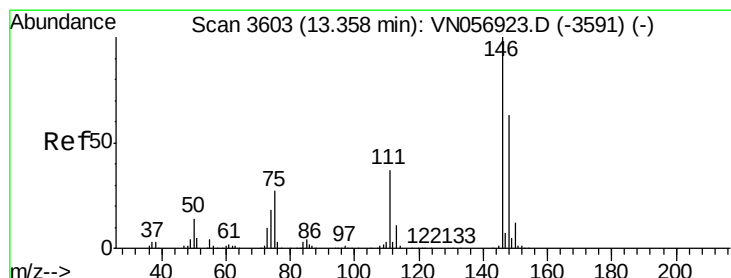
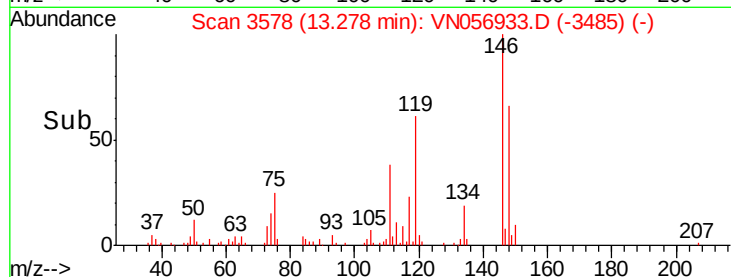
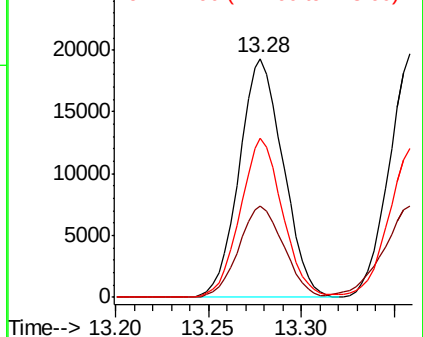
146 100

111 38.9 18.6 56.0

148 64.4 31.6 94.7



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



#88

1,4-Dichlorobenzene

Concen: 4.985 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

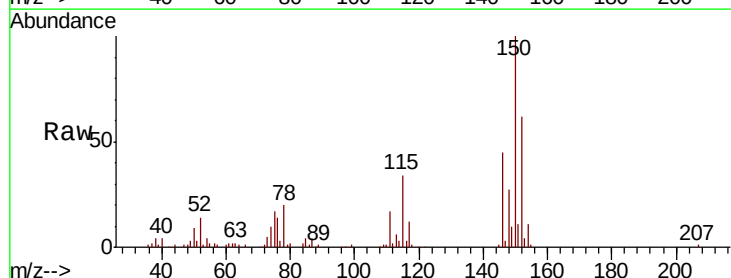
Tgt Ion:146 Resp: 32410

Ion Ratio Lower Upper

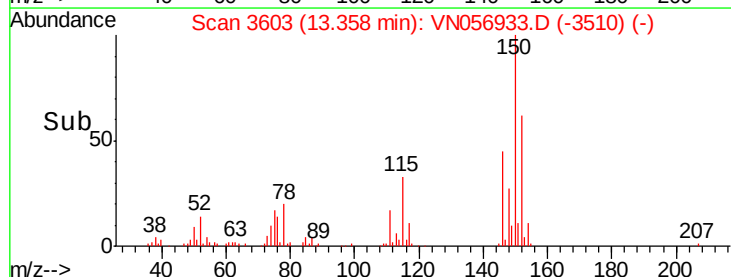
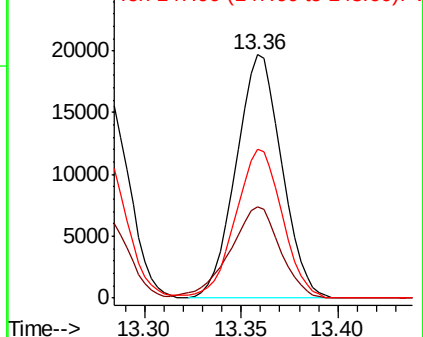
146 100

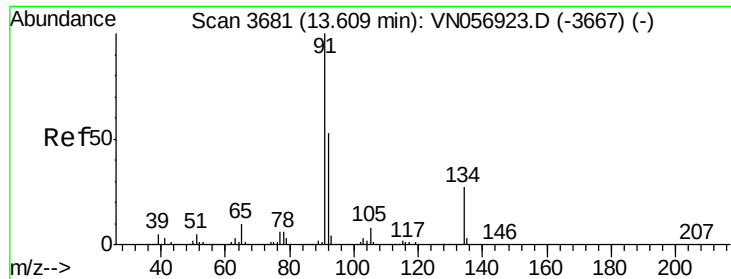
111 41.3 18.9 56.5

148 62.2 32.1 96.3



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





#89

n-Butylbenzene

Concen: 4.645 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN056933.D

Acq: 25 Jul 2019 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

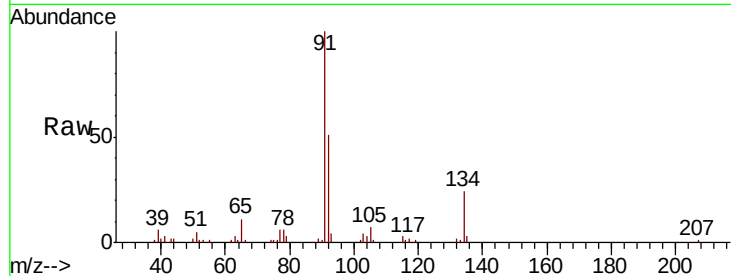
Tot Ion: 91 Resp: 51794

Ion Ratio Lower Upper

91 100

92 50.1 26.5 79.5

134 24.3 13.5 40.5

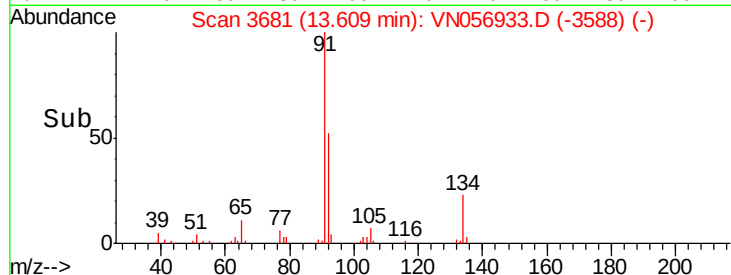


Abundance Ion 91.00 (90.70 to 91.70): VN056923.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056923.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056923.D (-3667) (-)

Time-->

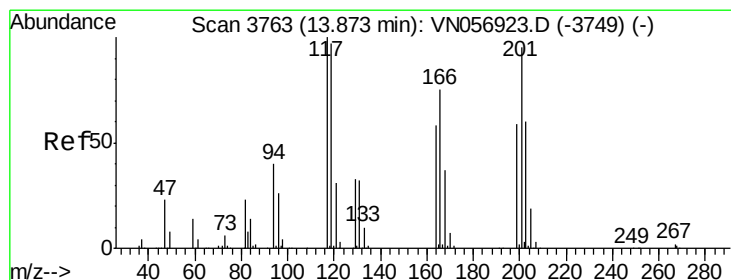


Abundance Ion 91.00 (90.70 to 91.70): VN056933.D (-3588) (-)

Ion 92.00 (91.70 to 92.70): VN056933.D (-3588) (-)

Ion 134.00 (133.70 to 134.70): VN056933.D (-3588) (-)

Time-->



#90

Hexachloroethane

Concen: 4.753 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056933.D

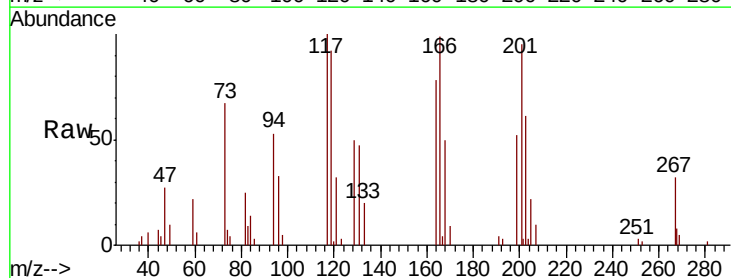
Acq: 25 Jul 2019 20:51

Tgt Ion: 117 Resp: 12148

Ion Ratio Lower Upper

117 100

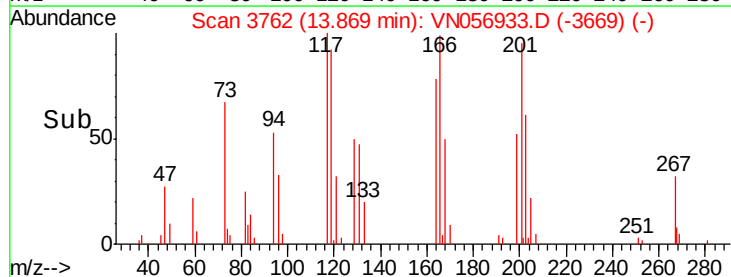
201 95.9 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN056923.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056923.D (-3749) (-)

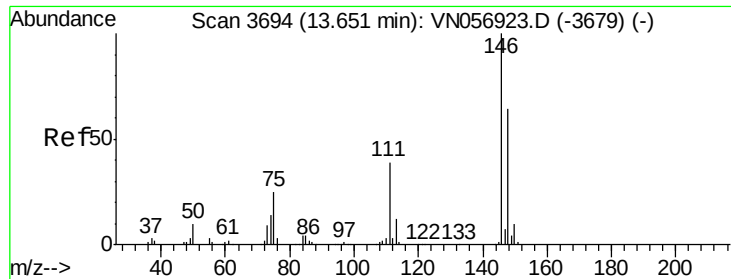
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN056933.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN056933.D (-3669) (-)

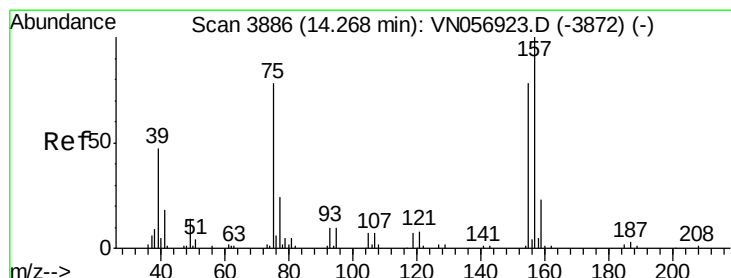
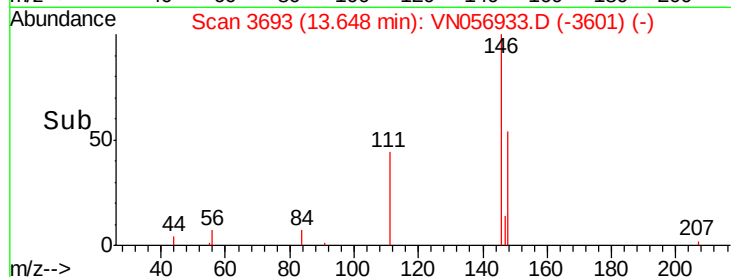
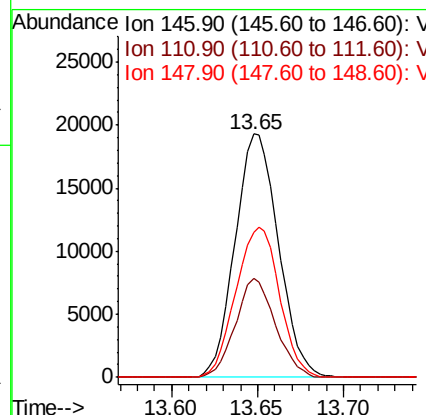
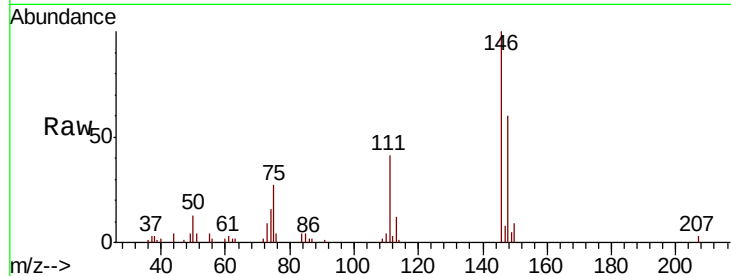
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 4.908 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

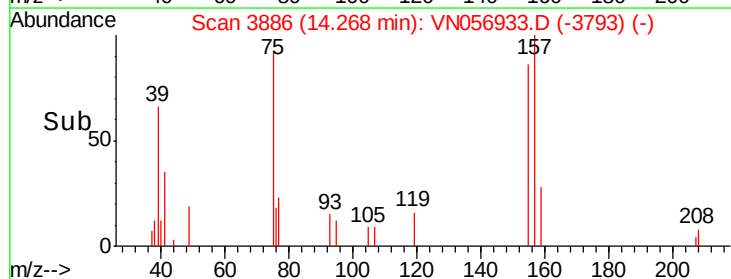
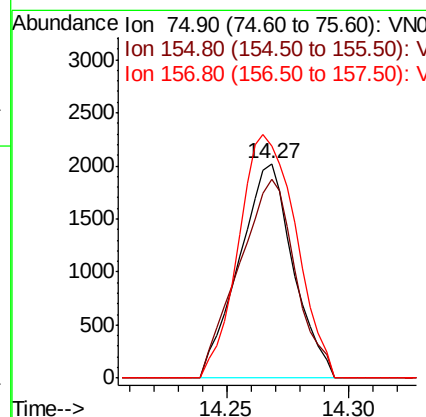
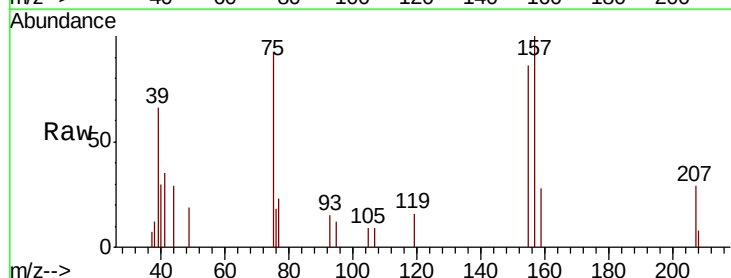
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

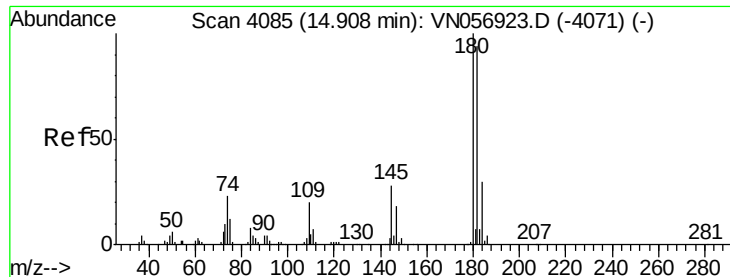
Tot Ion:146 Resp: 33754
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.6 58.8
 148 61.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.438 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion: 75 Resp: 3099
 Ion Ratio Lower Upper
 75 100
 155 97.2 47.3 141.9
 157 121.0 63.0 189.0

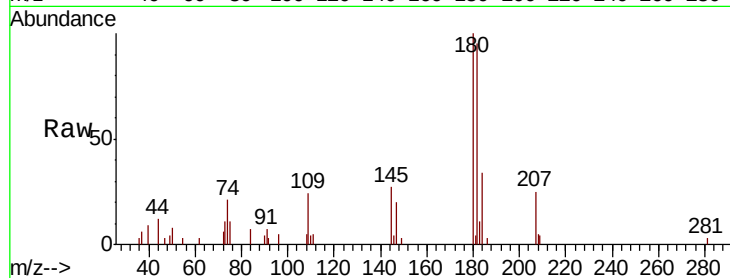




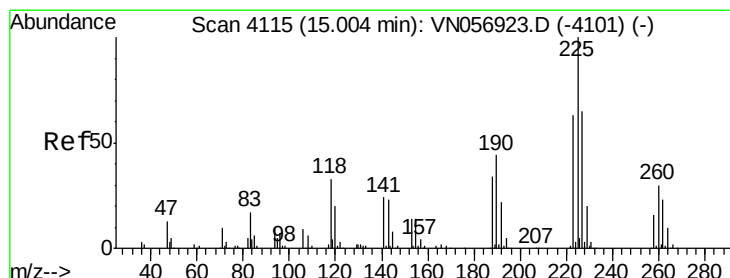
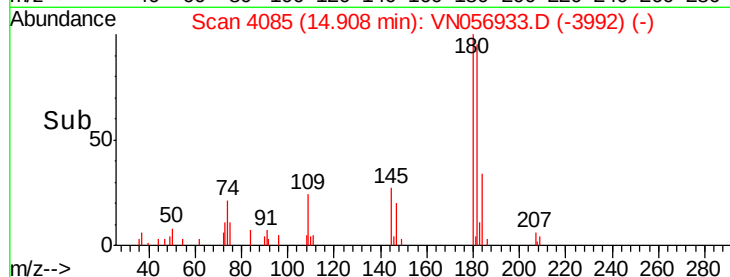
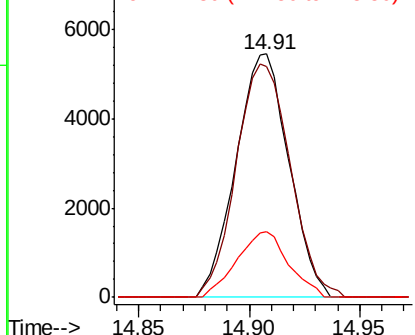
#93
 1,2,4-Trichlorobenzene
 Concen: 3.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

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

Tot Ion:180 Resp: 9066
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.9 143.8
 145 26.3 14.1 42.4

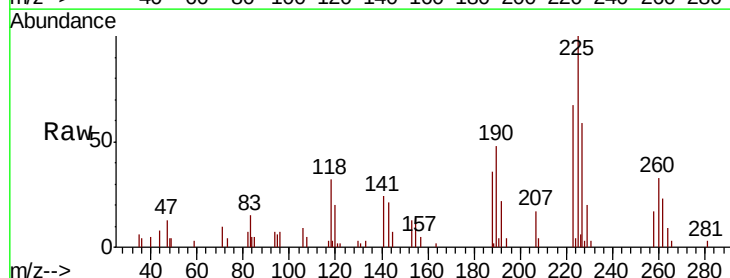


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

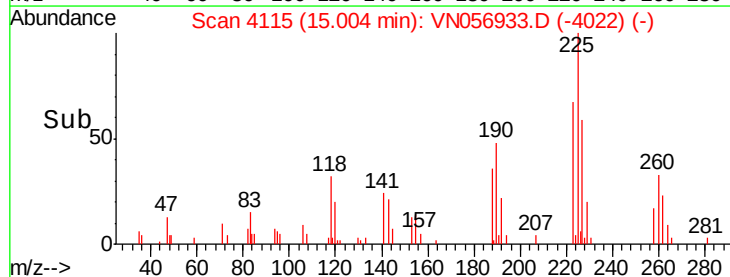
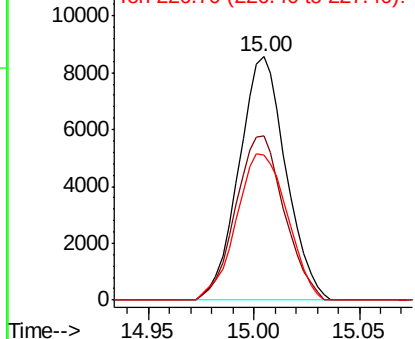


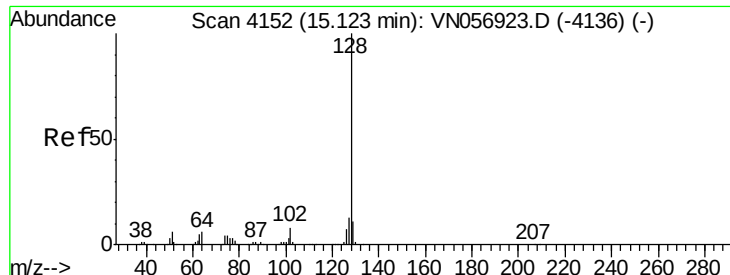
#94
 Hexachlorobutadiene
 Concen: 4.775 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056933.D
 Acq: 25 Jul 2019 20:51

Tgt Ion:225 Resp: 13257
 Ion Ratio Lower Upper
 225 100
 223 69.6 31.3 93.9
 227 65.2 31.9 95.7



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

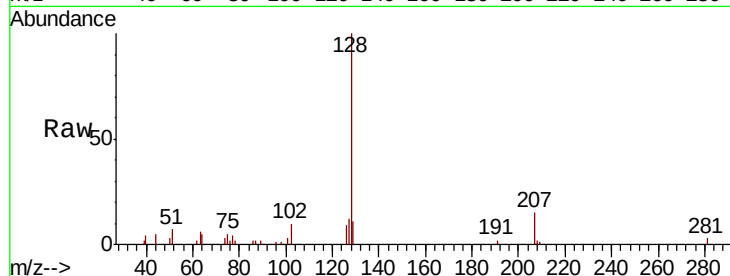




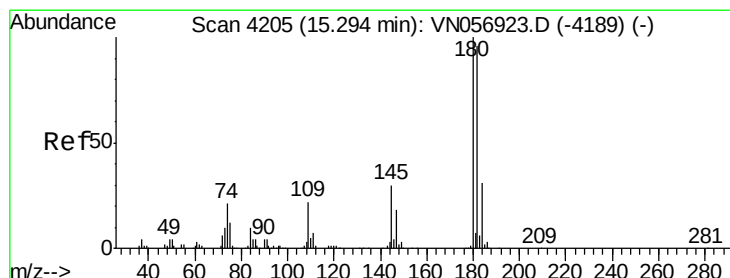
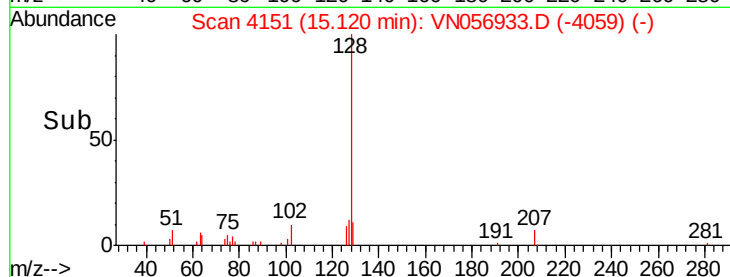
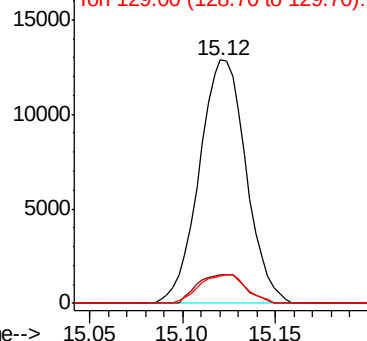
#95
Naphthalene
Concen: 3.158 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

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

Tot Ion:128 Resp: 22691
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 11.7 8.6 13.0

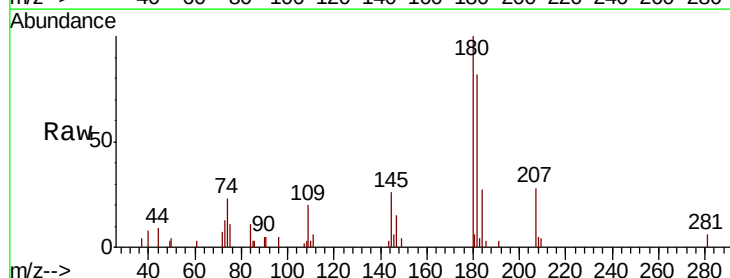


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.759 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN056933.D
Acq: 25 Jul 2019 20:51

Tgt Ion:180 Resp: 11602
Ion Ratio Lower Upper
180 100
182 89.2 48.4 145.3
145 28.1 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

