

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058754.D
 Acq On : 14 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5111-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	368856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	617125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233489	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	281783	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
35) Dibromofluoromethane	7.57	113	200509	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.08	98	743686	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.41	95	251908	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4812	1.047	ug/l	93
3) Chloromethane	2.04	50	6512	1.192	ug/l	97
4) Vinyl Chloride	2.17	62	6721	1.235	ug/l	98
5) Bromomethane	2.54	94	4341	1.312	ug/l	84
6) Chloroethane	2.69	64	4428	1.319	ug/l	100
7) Trichlorofluoromethane	3.00	101	7758	1.191	ug/l	99
8) Diethyl Ether	3.38	74	1175	0.488	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3763	1.014	ug/l #	87
10) Methyl Iodide	3.93	142	4831	0.954	ug/l #	94
11) Tert butyl alcohol	4.77	59	2058	2.461	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	4082	1.152	ug/l	84
13) Acrolein	3.59	56	3281	4.878	ug/l	94
14) Allyl chloride	4.30	41	8146	1.140	ug/l #	89
15) Acrylonitrile	4.97	53	11651	5.524	ug/l	92
16) Acetone	3.80	43	11110	5.197	ug/l	94
17) Carbon Disulfide	4.03	76	13577	1.199	ug/l	100
18) Methyl Acetate	4.31	43	6500	1.199	ug/l #	87
19) Methyl tert-butyl Ether	5.02	73	12495	0.988	ug/l #	84
20) Methylene Chloride	4.52	84	2985	0.668	ug/l #	78
21) trans-1,2-Dichloroethene	5.01	96	4326	1.092	ug/l #	74
22) Diisopropyl ether	5.93	45	13908	1.001	ug/l #	72
23) Vinyl Acetate	5.88	43	55953	4.989	ug/l	100
24) 1,1-Dichloroethane	5.82	63	9055	1.144	ug/l #	93
25) 2-Butanone	6.82	43	16975	5.494	ug/l	96
26) 2,2-Dichloropropane	6.81	77	7837	1.085	ug/l	92
27) cis-1,2-Dichloroethene	6.81	96	5743	1.243	ug/l	86
28) Bromochloromethane	7.17	49	1697	0.616	ug/l #	42
29) Tetrahydrofuran	7.20	42	11114	5.566	ug/l	89
30) Chloroform	7.36	83	9840	1.237	ug/l	88
31) Cyclohexane	7.64	56	15460	2.041	ug/l #	52
32) 1,1,1-Trichloroethane	7.55	97	7491	1.104	ug/l #	45
36) 1,1-Dichloropropene	7.77	75	6442	1.032	ug/l	96
37) Ethyl Acetate	6.92	43	7355	1.166	ug/l #	92
38) Carbon Tetrachloride	7.76	117	6970	1.146	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058754.D
 Acq On : 14 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5111-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	6759	0.934	ug/l	86
40) Benzene	8.03	78	19171	1.070	ug/l	98
41) Methacrylonitrile	7.16	41	2761	0.935	ug/l #	12
42) 1,2-Dichloroethane	8.11	62	7915	1.150	ug/l	95
43) Isopropyl Acetate	8.15	43	10296	0.958	ug/l #	91
44) Trichloroethene	8.82	130	4204	0.945	ug/l	96
45) 1,2-Dichloropropane	9.11	63	4687	0.977	ug/l #	79
46) Dibromomethane	9.20	93	3349	1.101	ug/l	94
47) Bromodichloromethane	9.40	83	5995	0.968	ug/l	98
48) Methyl methacrylate	9.19	41	5079	1.042	ug/l	98
49) 1,4-Dioxane	9.19	88	1578	20.933	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	29547	4.894	ug/l	99
52) Toluene	10.15	92	11136	1.016	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	5808	0.818	ug/l #	41
54) cis-1,3-Dichloropropene	9.83	75	7252	0.962	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	5081	1.133	ug/l	97
56) Ethyl methacrylate	10.43	69	5615	0.857	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	8220	1.075	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	12960	4.103	ug/l	98
59) 2-Hexanone	10.75	43	21666	4.644	ug/l	96
60) Dibromochloromethane	10.90	129	4549	0.983	ug/l	97
61) 1,2-Dibromoethane	11.01	107	4609	1.026	ug/l	97
64) Tetrachloroethene	10.63	164	5037	1.292	ug/l	84
65) Chlorobenzene	11.43	112	11758	1.039	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	4278	1.022	ug/l #	57
67) Ethyl Benzene	11.51	91	19896	0.986	ug/l	91
68) m/p-Xylenes	11.62	106	14346	1.895	ug/l	99
69) o-Xylene	11.95	106	6700	0.915	ug/l	94
70) Styrene	11.97	104	10236	0.853	ug/l	99
71) Bromoform	12.13	173	2862	0.933	ug/l #	100
73) Isopropylbenzene	12.25	105	18259	1.080	ug/l	97
74) N-amyl acetate	12.07	43	7475	0.984	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	6431	1.154	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	8261	1.613	ug/l #	100
77) Bromobenzene	12.53	156	4414	1.073	ug/l	83
78) n-propylbenzene	12.59	91	20723	1.052	ug/l	99
79) 2-Chlorotoluene	12.68	91	13482	1.102	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	14114	0.978	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	136581	71.426	ug/l #	11
82) 4-Chlorotoluene	12.78	91	13237	1.055	ug/l	100
83) tert-Butylbenzene	13.00	119	12722	1.029	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	13776	0.961	ug/l	100
85) sec-Butylbenzene	13.18	105	16093	0.988	ug/l	98
86) p-Isopropyltoluene	13.29	119	13123	0.886	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	8158	1.076	ug/l	94
88) 1,4-Dichlorobenzene	13.29	146	8158	1.058	ug/l	96
89) n-Butylbenzene	13.62	91	12075	0.882	ug/l	98
90) Hexachloroethane	13.88	117	2948	1.112	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	7929	1.073	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1864	1.432	ug/l #	57

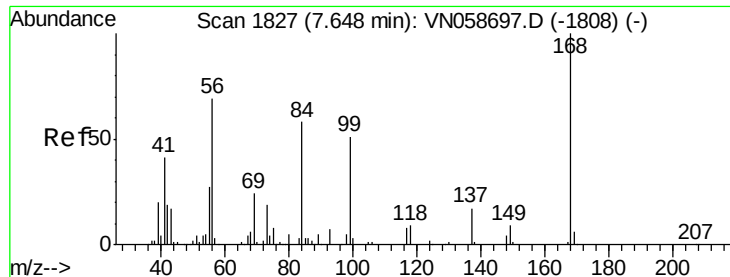
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
Data File : VN058754.D
Acq On : 14 Oct 2019 17:17
Operator : JC/SP
Sample : K5111-08 1.0PPB LOO
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:12:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	3628	0.804	ug/l	95
94) Hexachlorobutadiene	15.01	225	2423	1.020	ug/l	97
95) Naphthalene	15.13	128	11398	0.879	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3959	0.899	ug/l	96

(#) = 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: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

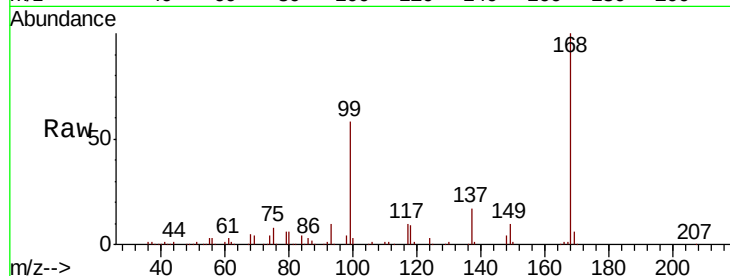
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 368856

Ion Ratio Lower Upper

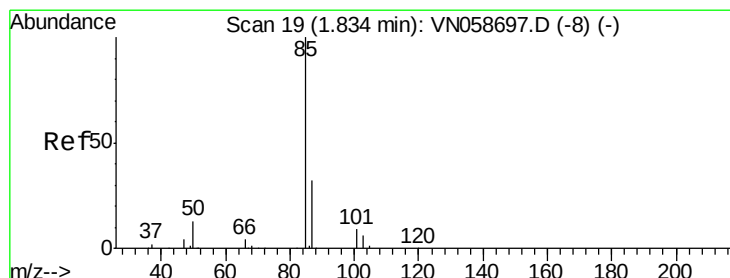
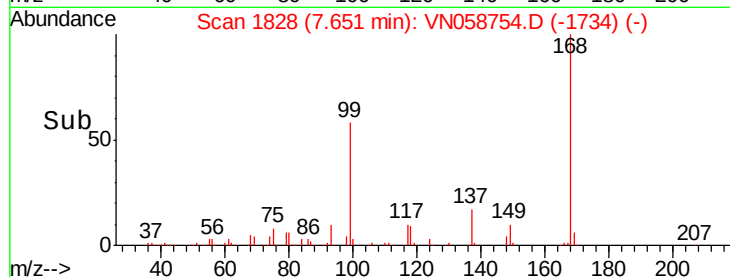
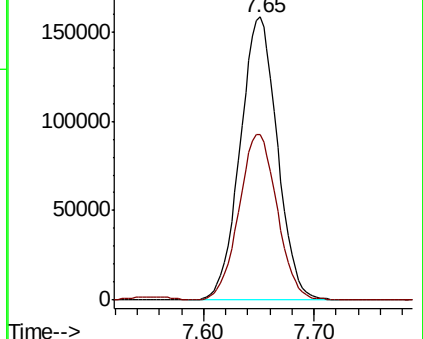
168 100

99 58.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.047 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058754.D

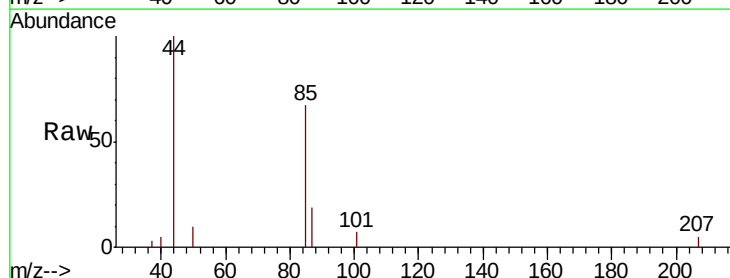
Acq: 14 Oct 2019 17:17

Tgt Ion: 85 Resp: 4812

Ion Ratio Lower Upper

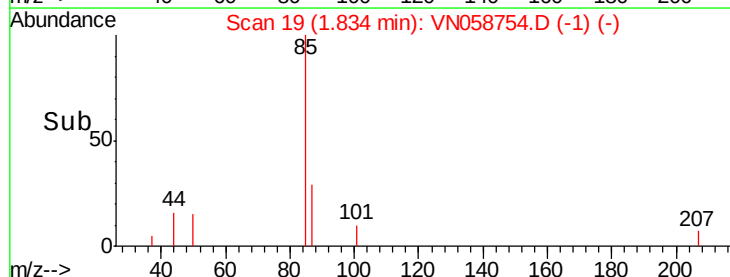
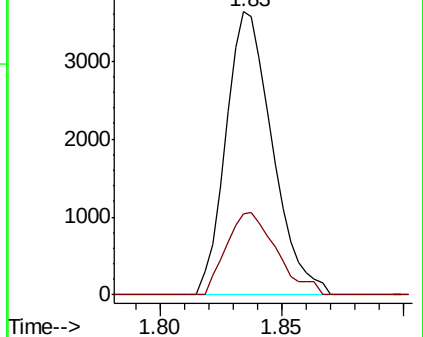
85 100

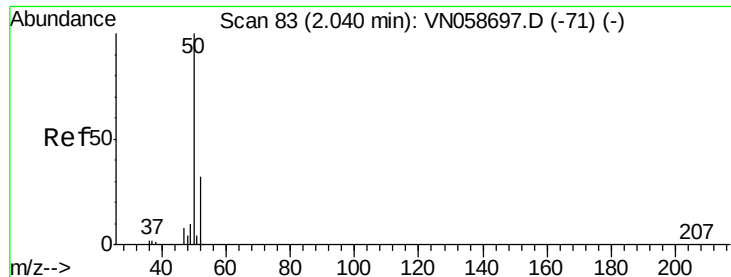
87 28.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.192 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

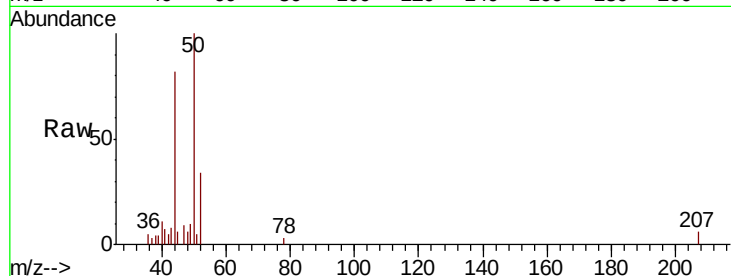
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 6512

Ion Ratio Lower Upper

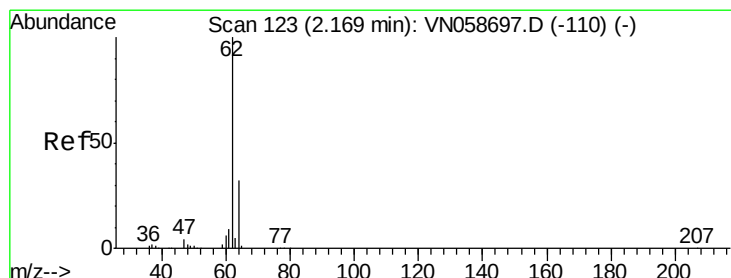
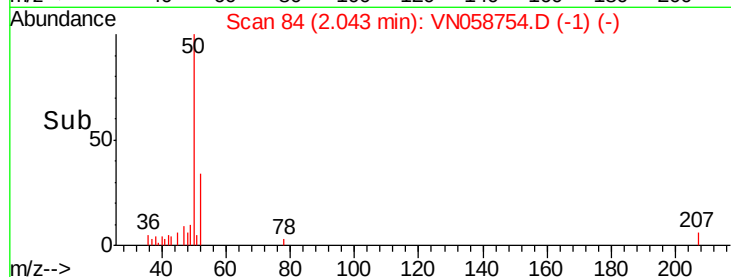
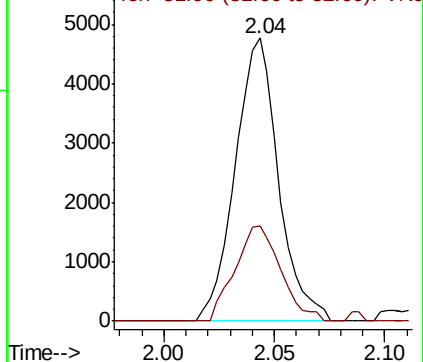
50 100

52 33.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.235 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058754.D

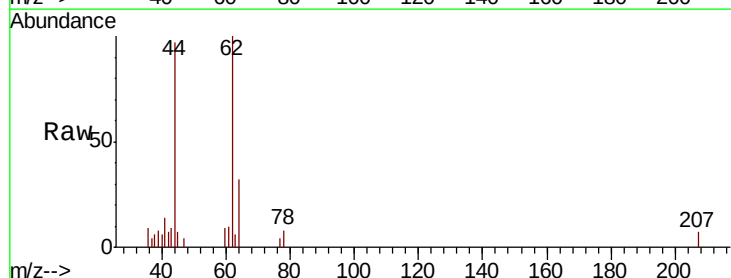
Acq: 14 Oct 2019 17:17

Tgt Ion: 62 Resp: 6721

Ion Ratio Lower Upper

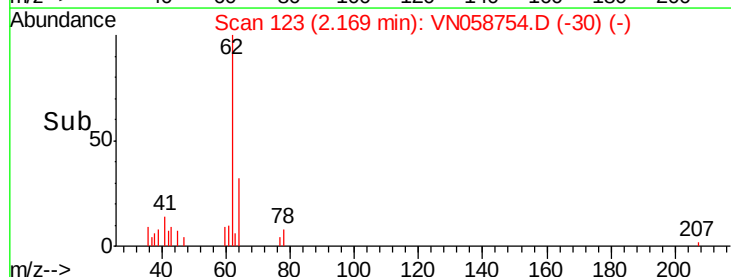
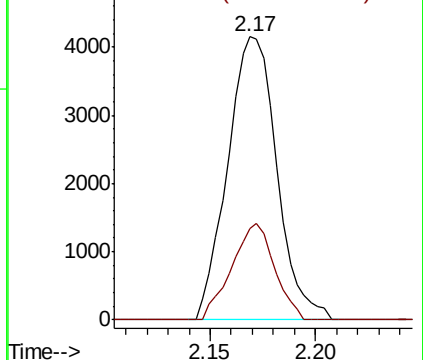
62 100

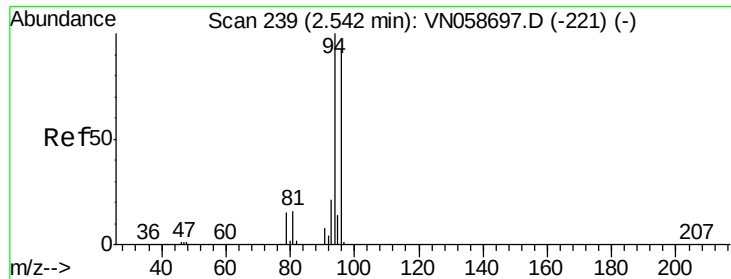
64 32.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.312 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

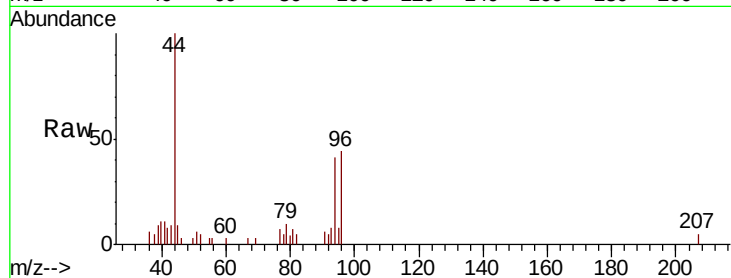
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 4341

Ion Ratio Lower Upper

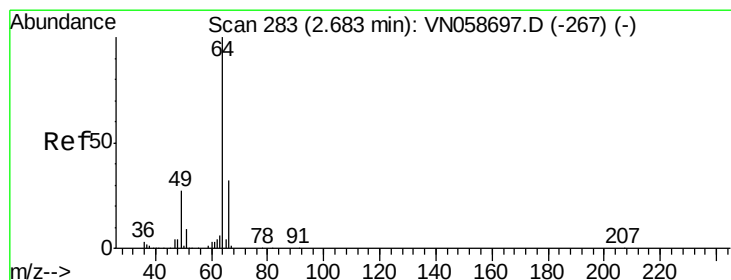
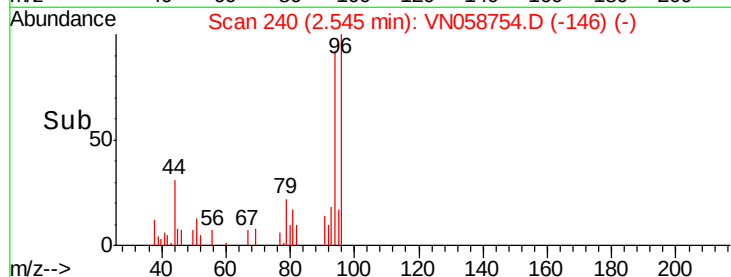
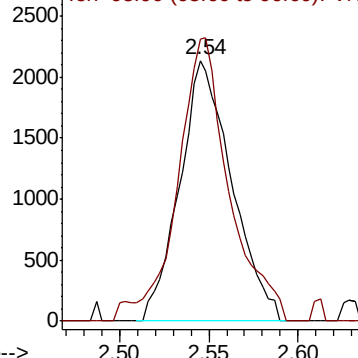
94 100

96 108.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.319 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058754.D

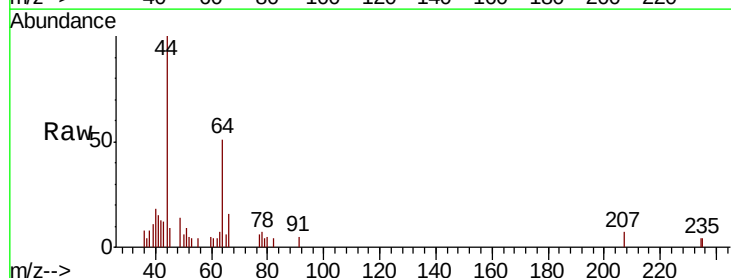
Acq: 14 Oct 2019 17:17

Tgt Ion: 64 Resp: 4428

Ion Ratio Lower Upper

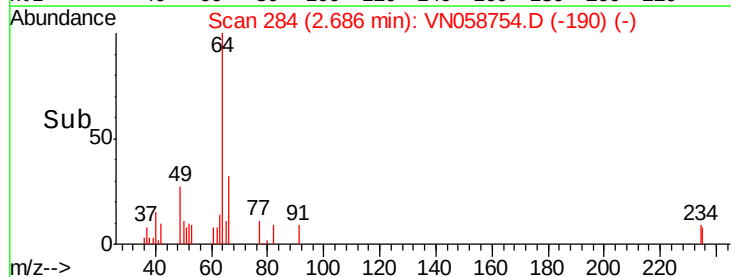
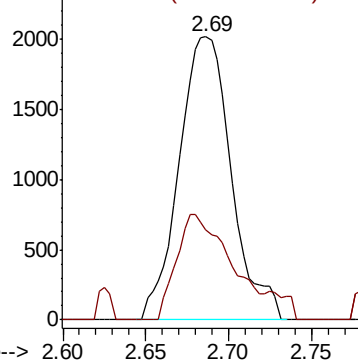
64 100

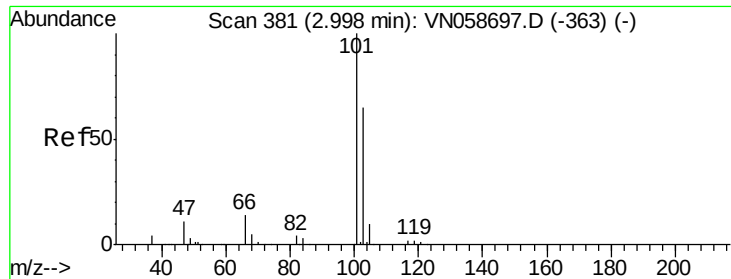
66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



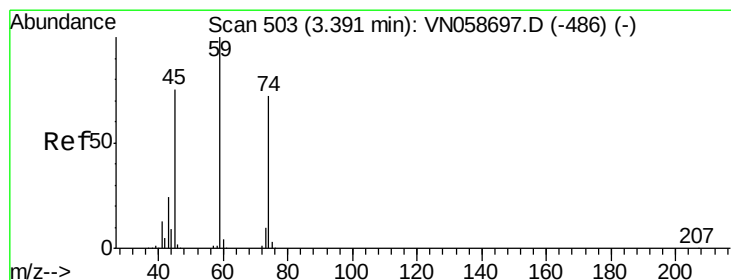
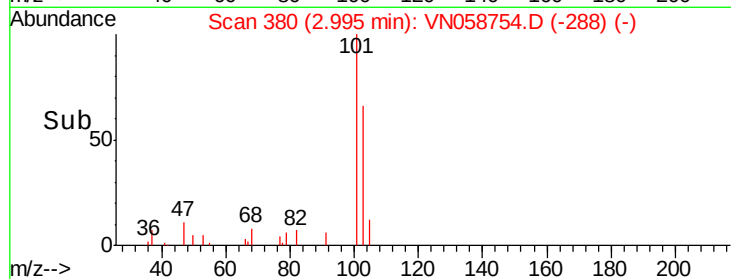
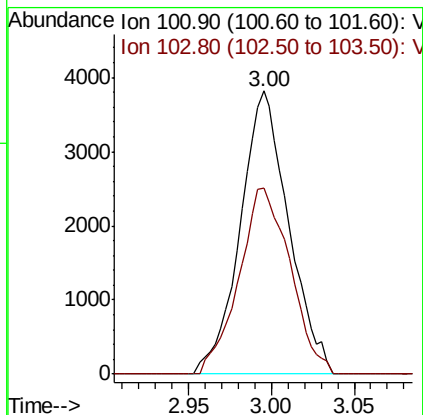
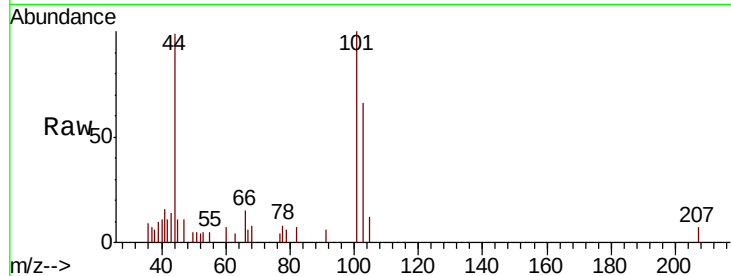


#7

Trichlorofluoromethane
 Concen: 1.191 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

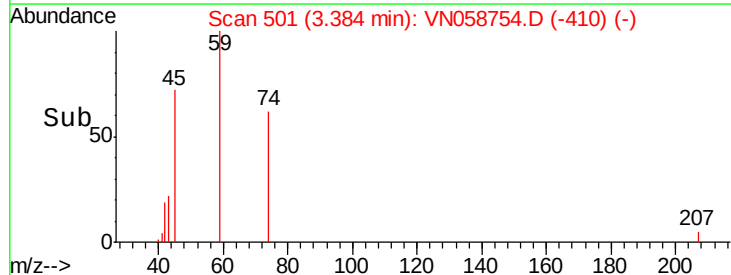
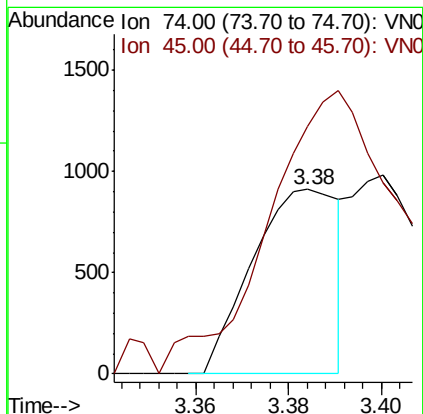
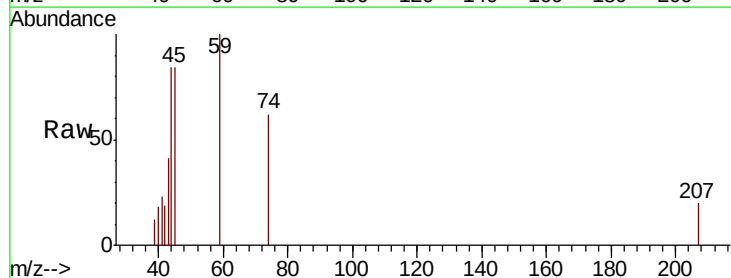
Tot Ion:101 Resp: 7758
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.6

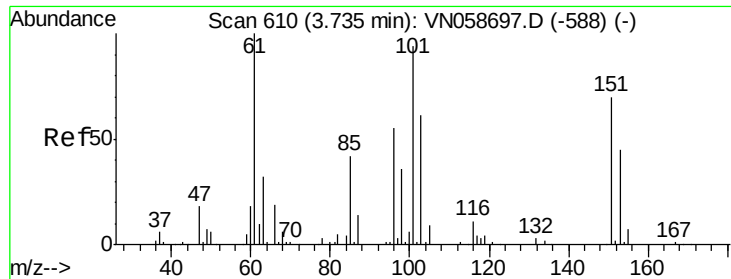


#8

Diethyl Ether
 Concen: 0.488 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 74 Resp: 1175
 Ion Ratio Lower Upper
 74 100
 45 258.4 51.3 154.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.014 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

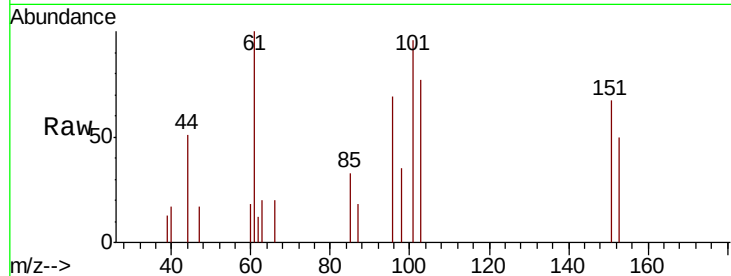
Tot Ion:101 Resp: 3763

Ion Ratio Lower Upper

101 100

85 33.8 37.0 55.6#

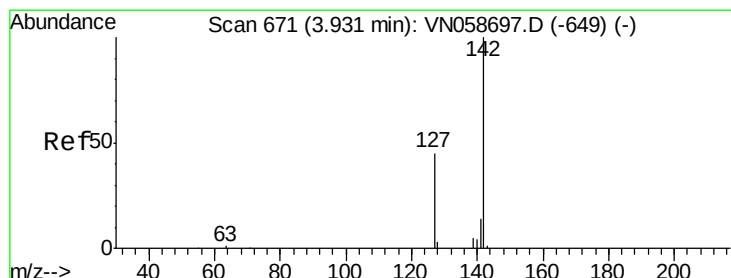
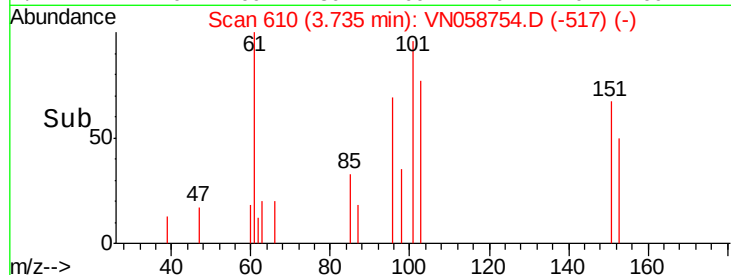
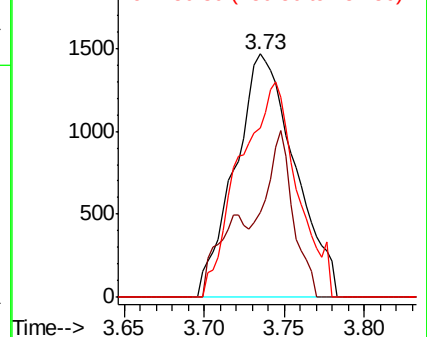
151 85.2 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.954 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

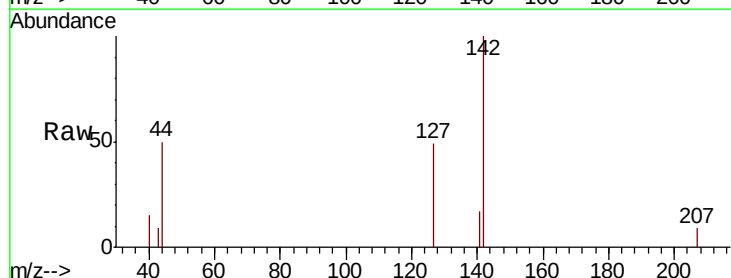
Tgt Ion:142 Resp: 4831

Ion Ratio Lower Upper

142 100

127 48.0 36.4 54.6

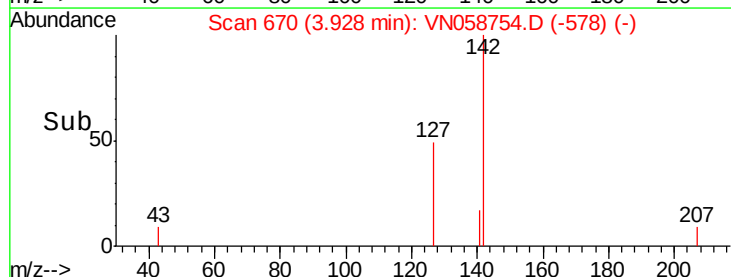
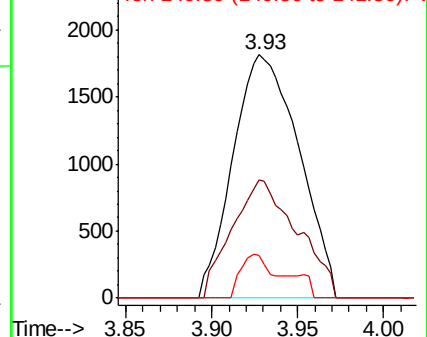
141 9.1 11.1 16.7#

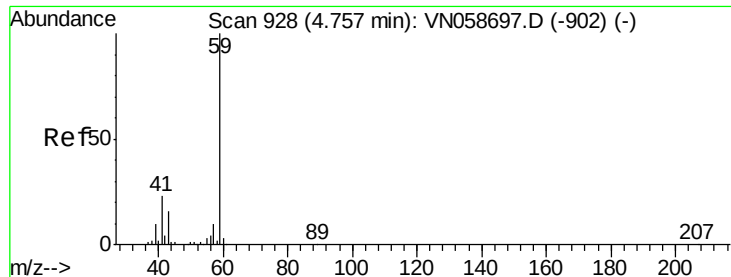


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

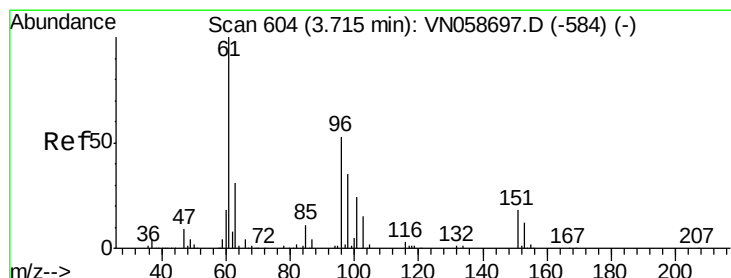
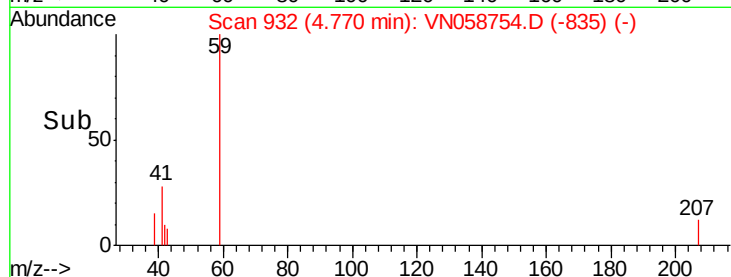
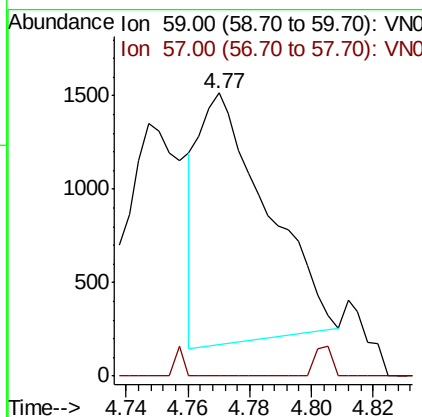
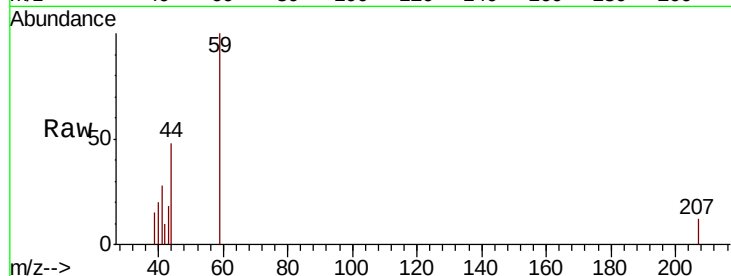




#11
Tert butyl alcohol
Concen: 2.461 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

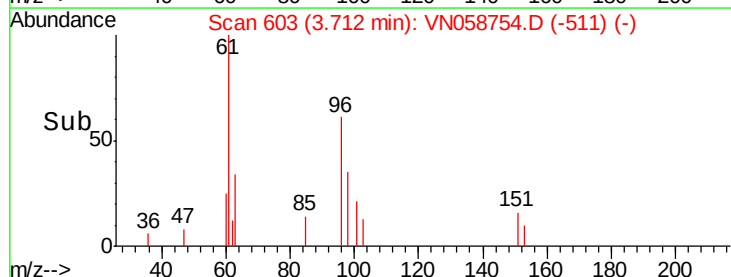
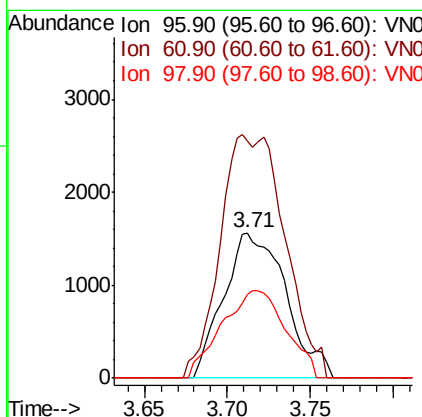
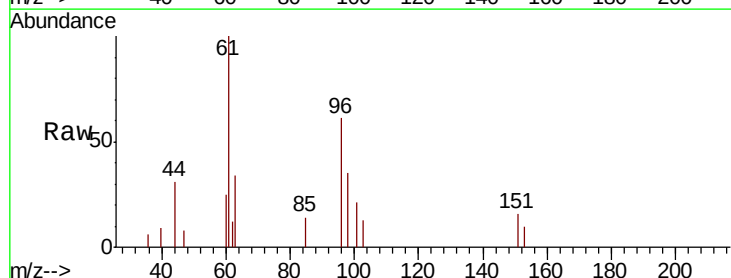
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

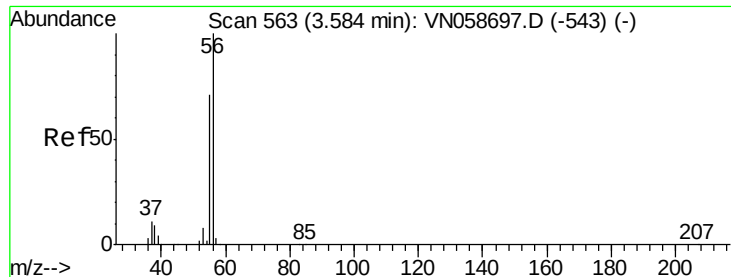
Tot Ion: 59 Resp: 2058
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 1.152 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 96 Resp: 4082
Ion Ratio Lower Upper
96 100
61 163.0 151.3 226.9
98 57.1 52.6 78.8





#13

Acrolein

Concen: 4.878 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

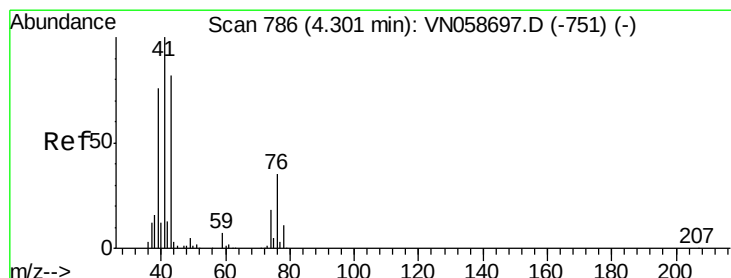
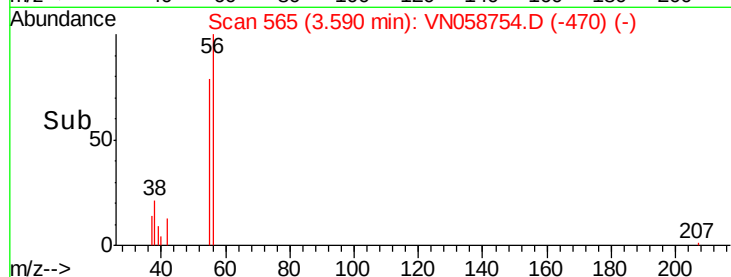
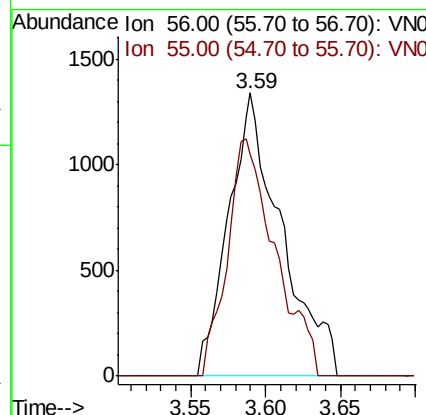
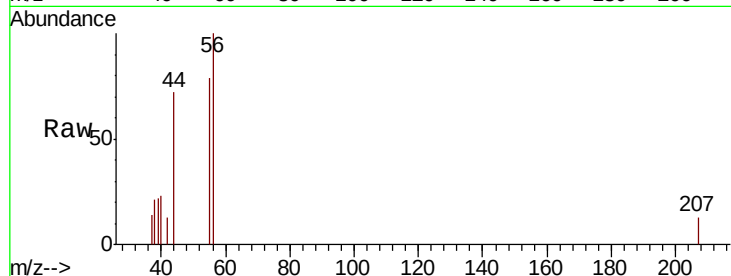
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 3281

Ion Ratio Lower Upper

56 100

55 75.9 56.7 85.1



#14

Allyl chloride

Concen: 1.140 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

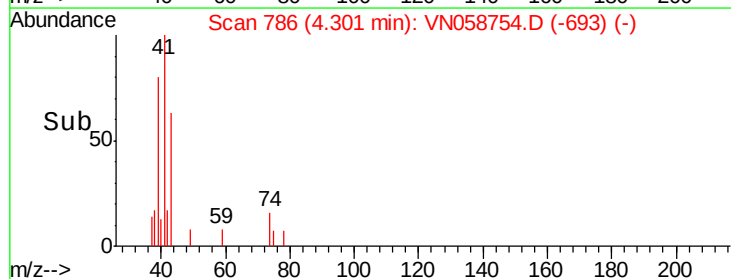
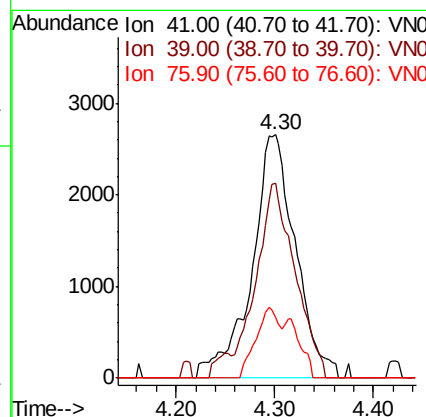
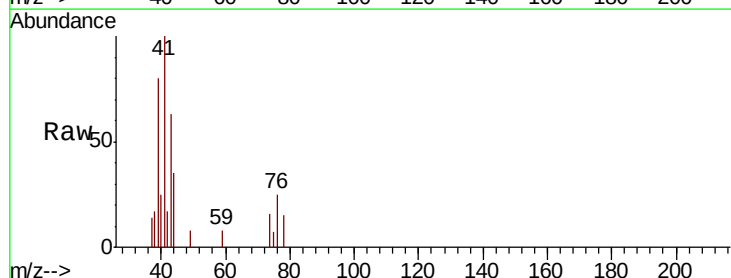
Tgt Ion: 41 Resp: 8146

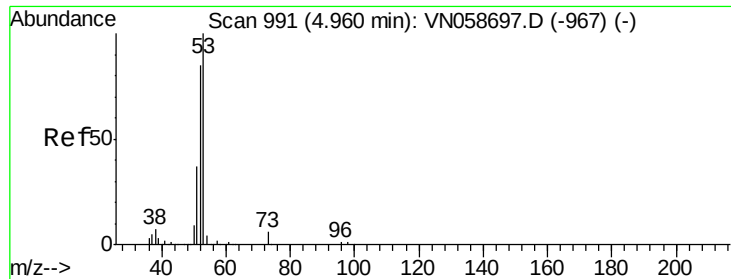
Ion Ratio Lower Upper

41 100

39 74.7 57.2 85.8

76 15.5 25.0 37.6#





#15

Acrylonitrile

Concen: 5.524 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

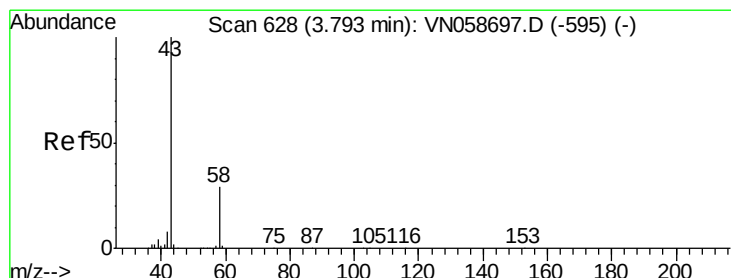
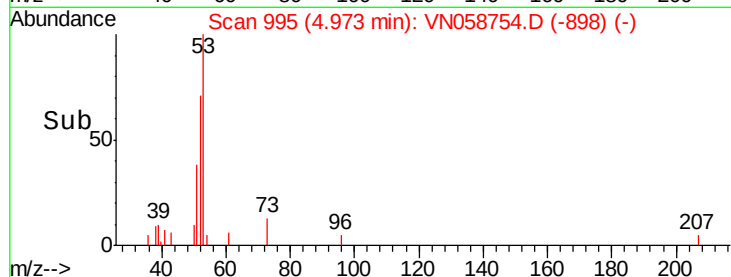
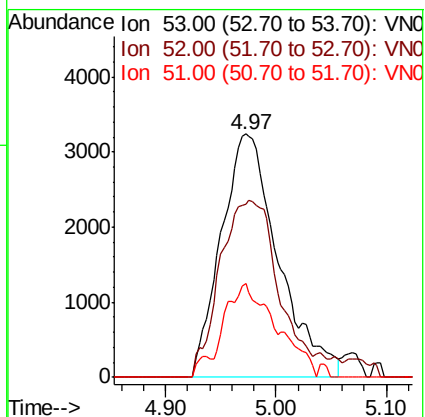
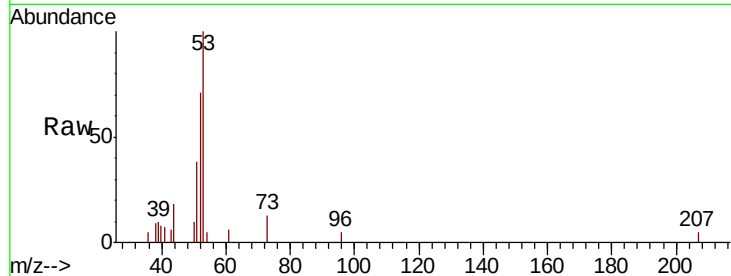
Tot Ion: 53 Resp: 11651

Ion Ratio Lower Upper

53 100

52 73.9 66.2 99.2

51 33.9 29.4 44.2



#16

Acetone

Concen: 5.197 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058754.D

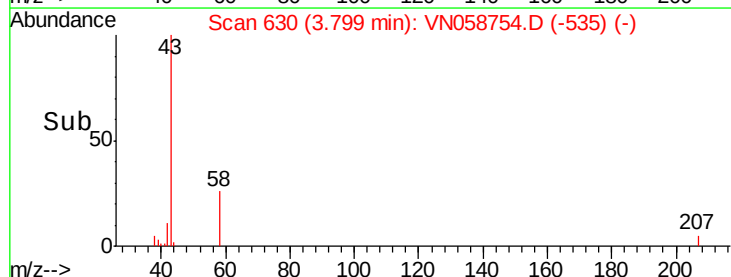
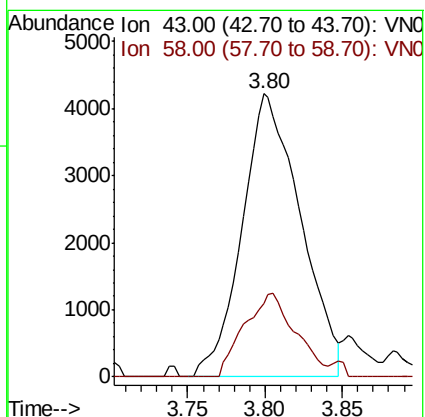
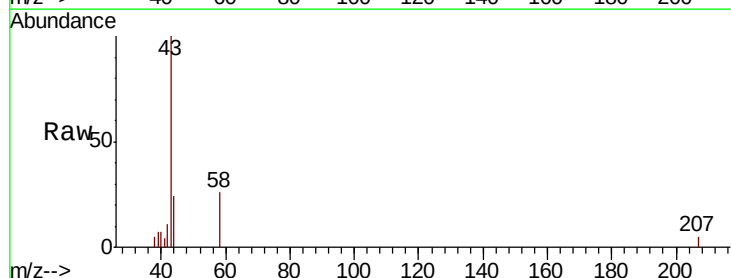
Acq: 14 Oct 2019 17:17

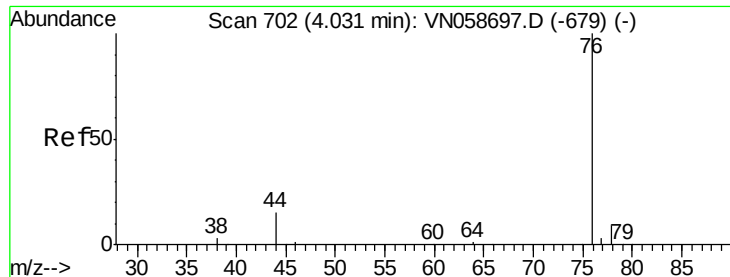
Tgt Ion: 43 Resp: 11110

Ion Ratio Lower Upper

43 100

58 26.1 23.3 34.9

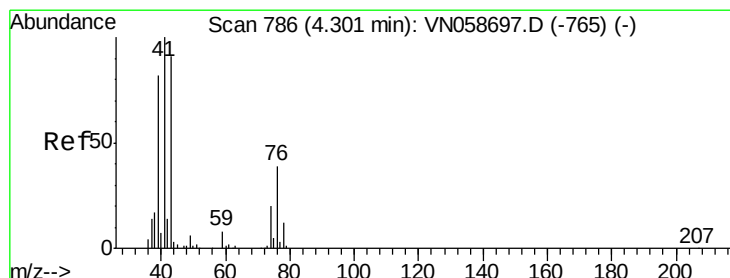
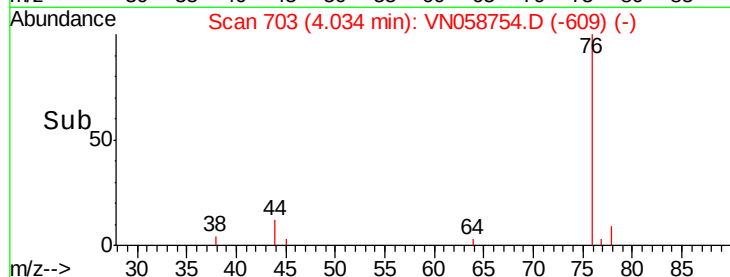
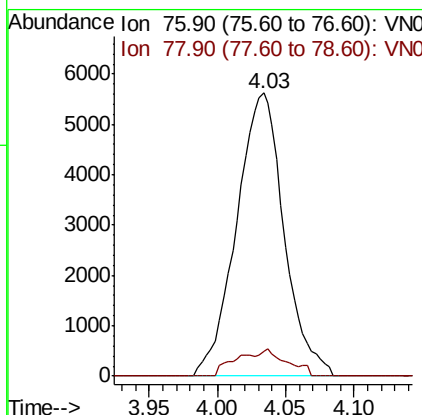
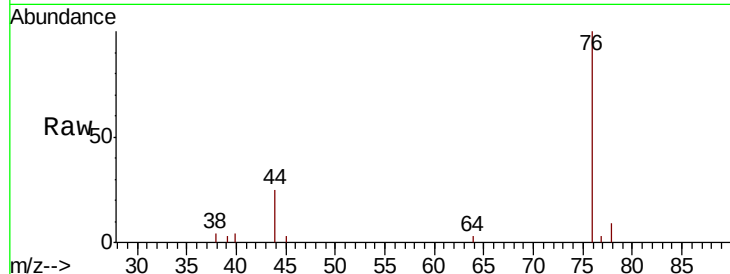




#17
Carbon Disulfide
Concen: 1.199 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

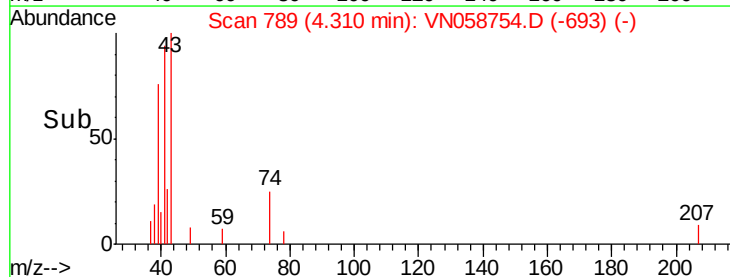
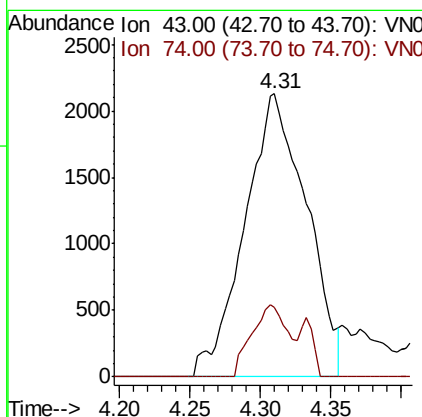
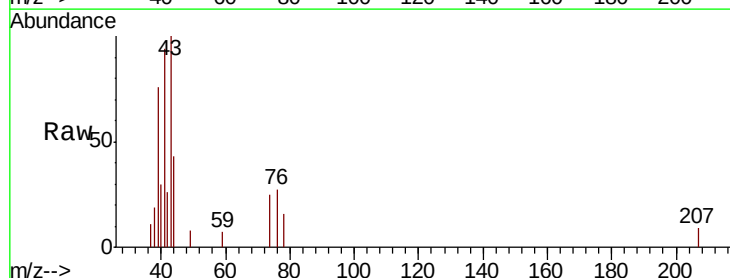
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

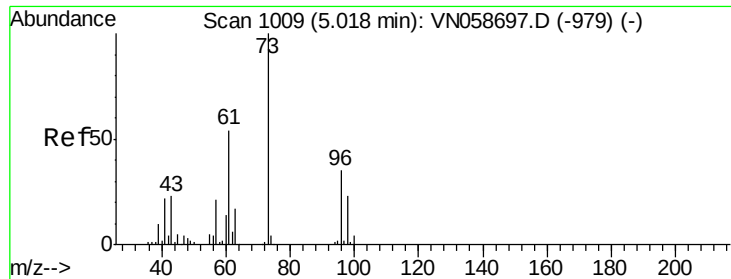
Tot Ion: 76 Resp: 13577
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 1.199 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 43 Resp: 6500
Ion Ratio Lower Upper
43 100
74 15.2 17.2 25.8#



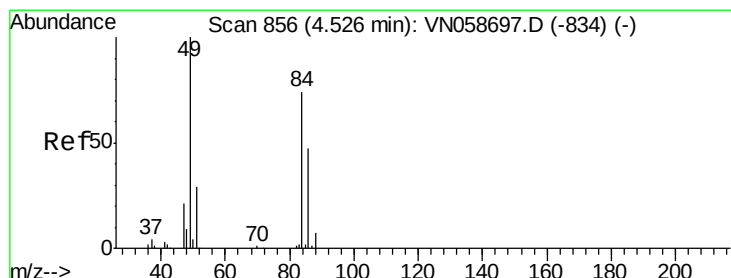
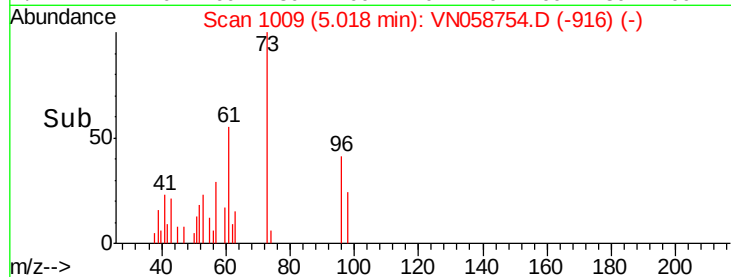
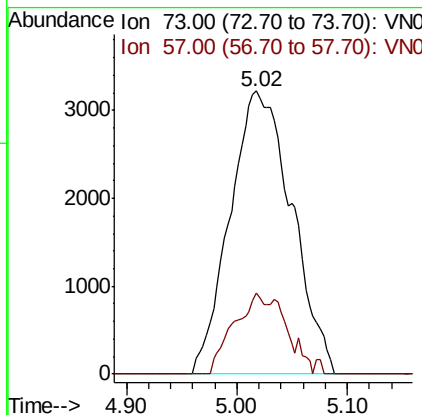
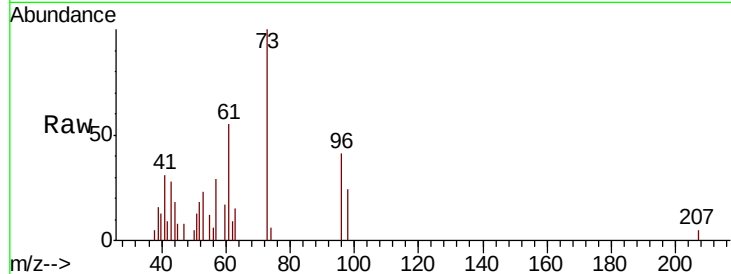


#19

Methyl tert-butyl Ether
 Concen: 0.988 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

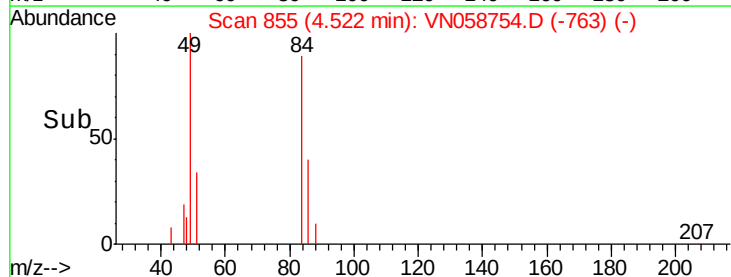
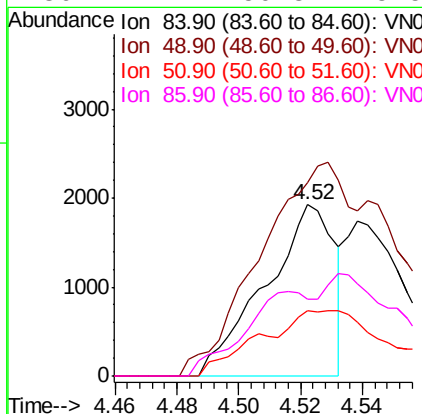
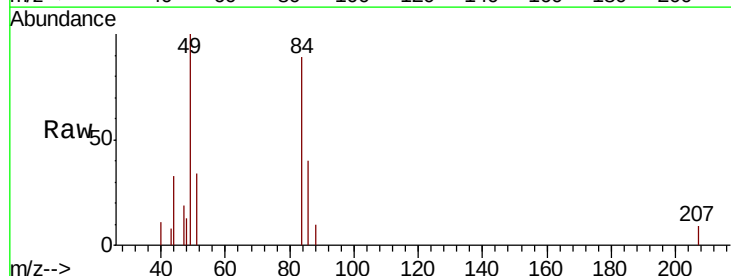
Tot Ion: 73 Resp: 12495
 Ion Ratio Lower Upper
 73 100
 57 28.8 17.0 25.6#

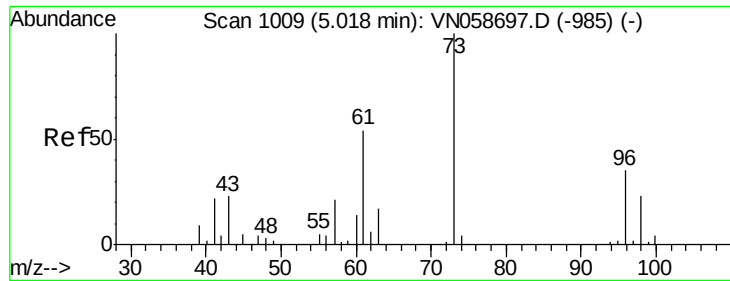


#20

Methylene Chloride
 Concen: 0.668 ug/l
 RT: 4.52 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 84 Resp: 2985
 Ion Ratio Lower Upper
 84 100
 49 103.2 107.6 161.4#
 51 37.8 31.4 47.0
 86 44.7 50.3 75.5#

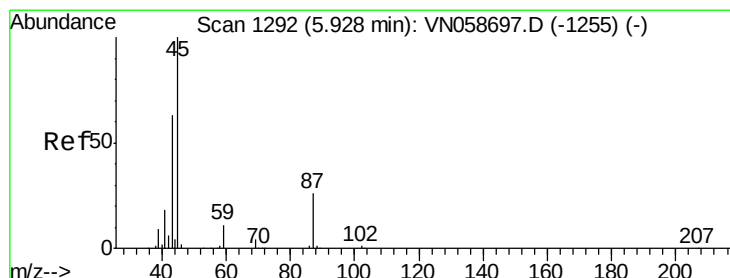
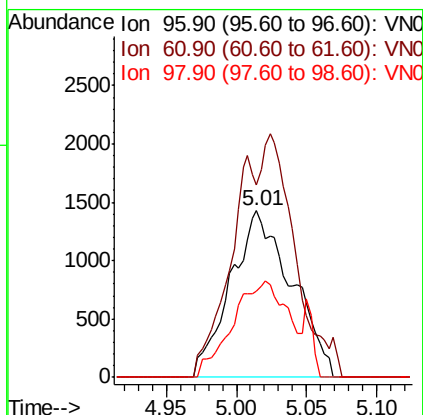
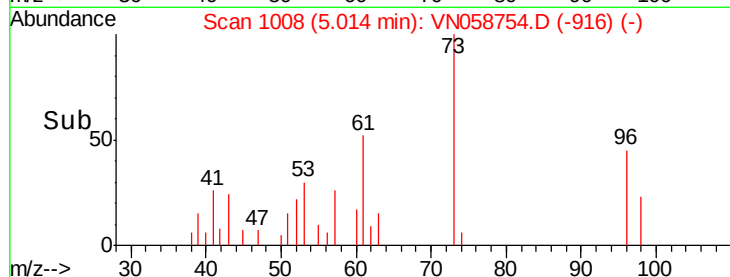
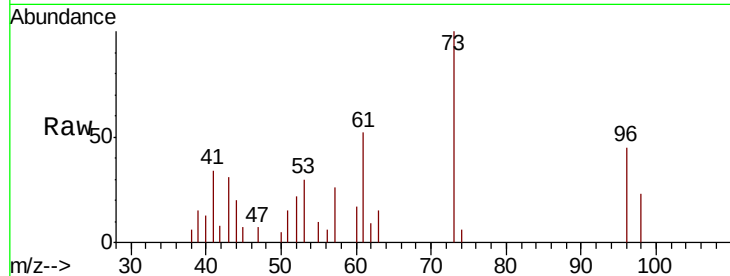




#21
trans-1,2-Dichloroethene
Concen: 1.092 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

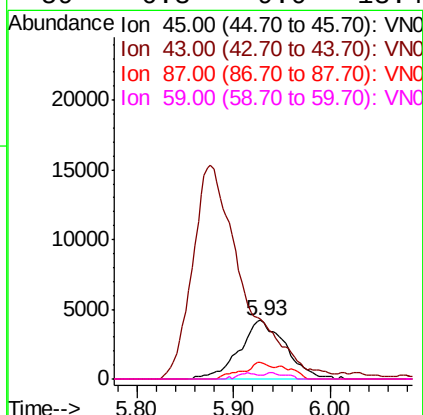
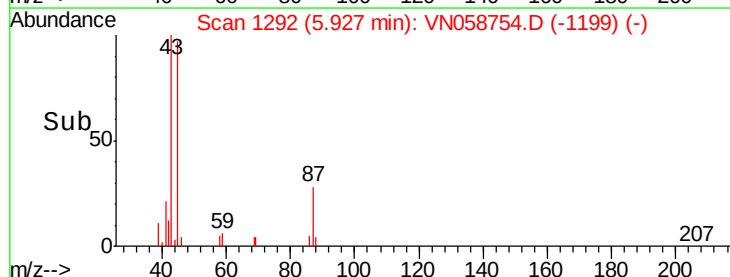
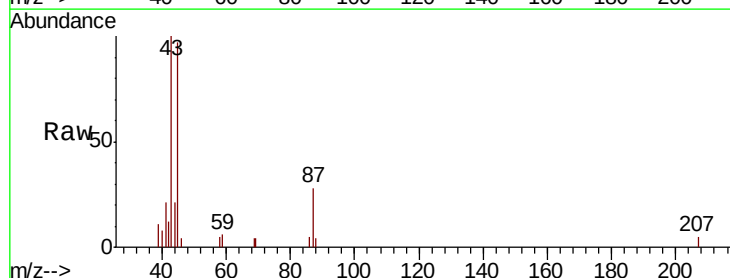
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

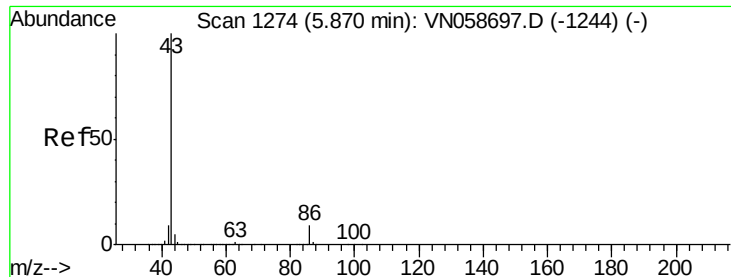
Tot Ion: 96 Resp: 4326
Ion Ratio Lower Upper
96 100
61 115.5 123.6 185.4#
98 51.8 52.1 78.1#



#22
Diisopropyl ether
Concen: 1.001 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 45 Resp: 13908
Ion Ratio Lower Upper
45 100
43 94.3 50.6 75.8#
87 28.7 21.1 31.7
59 6.3 9.0 13.4#





#23

Vinyl Acetate

Concen: 4.989 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

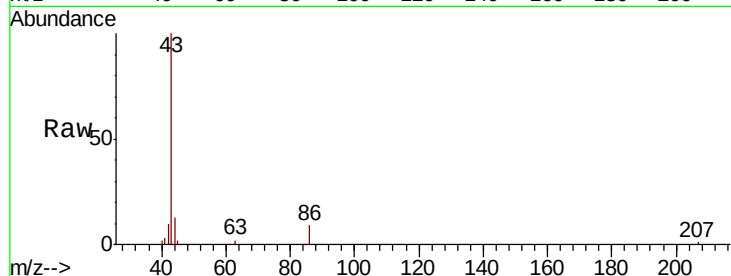
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 55953

Ion Ratio Lower Upper

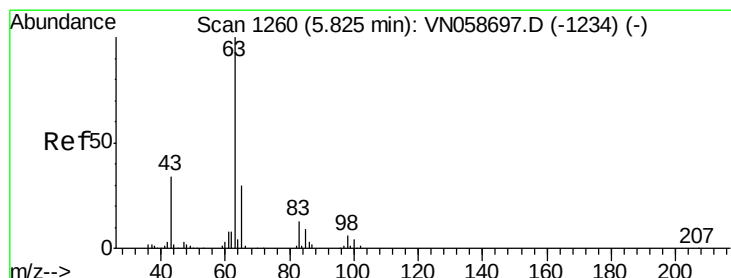
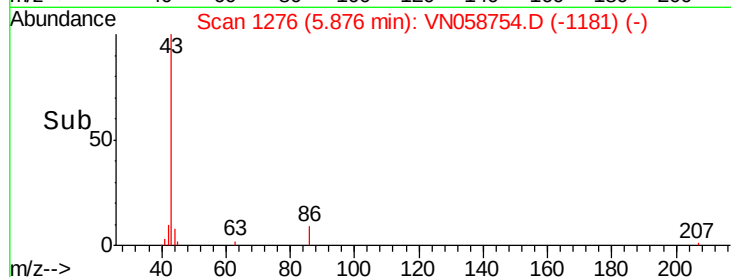
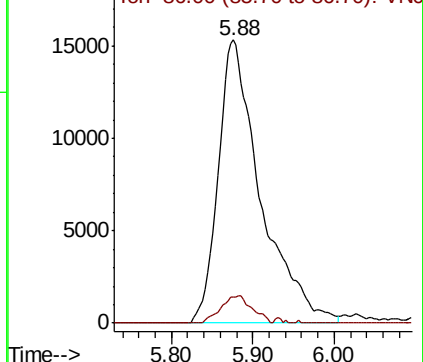
43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.144 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

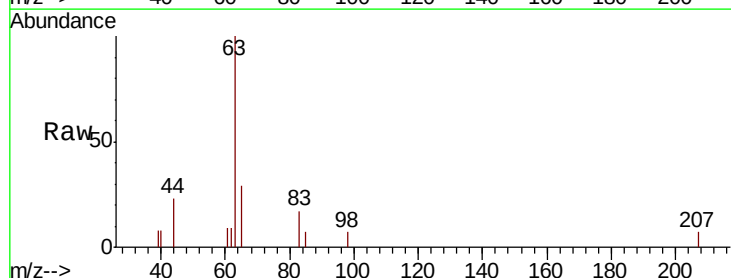
Tgt Ion: 63 Resp: 9055

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.6

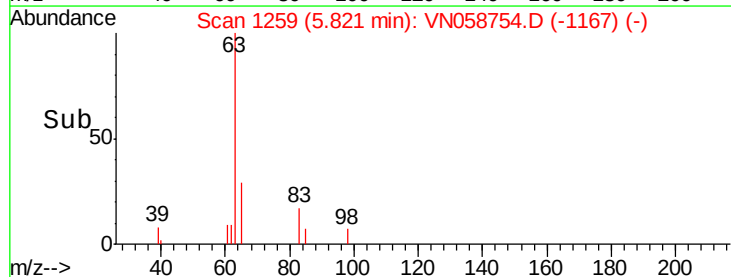
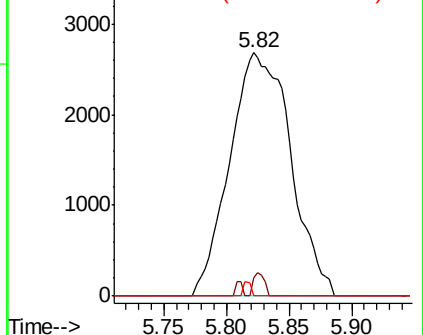
100 0.0 1.8 5.5#

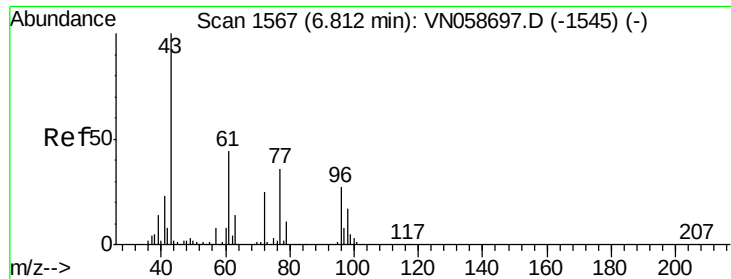


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

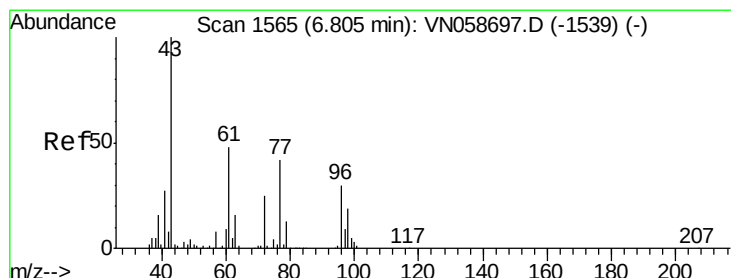
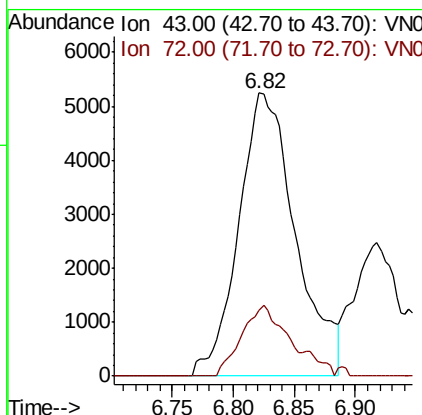
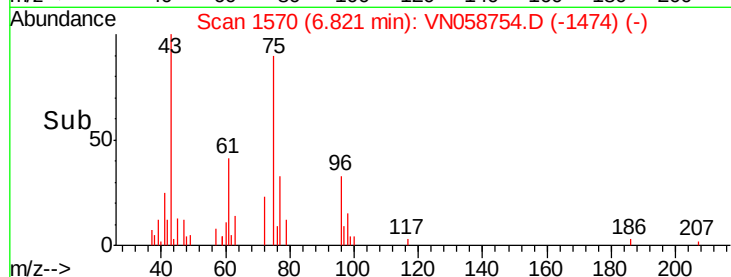
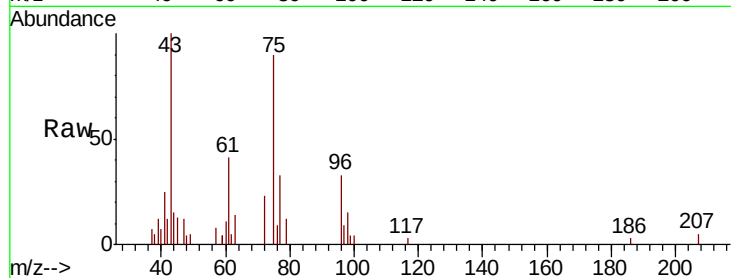




#25
 2-Butanone
 Concen: 5.494 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

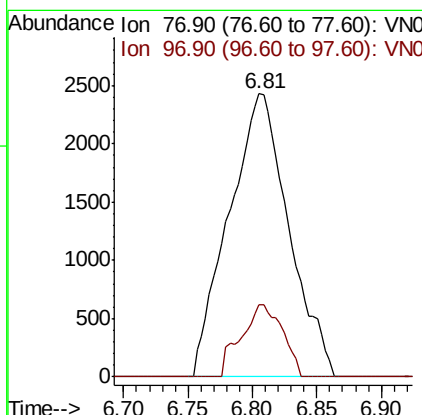
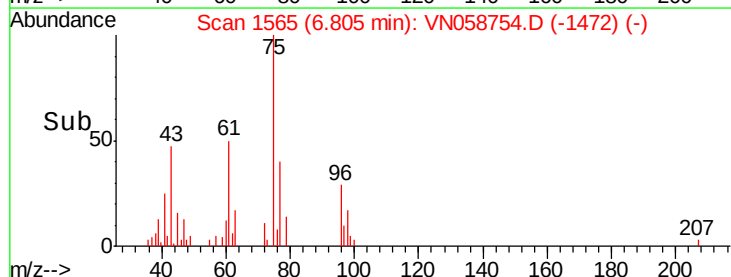
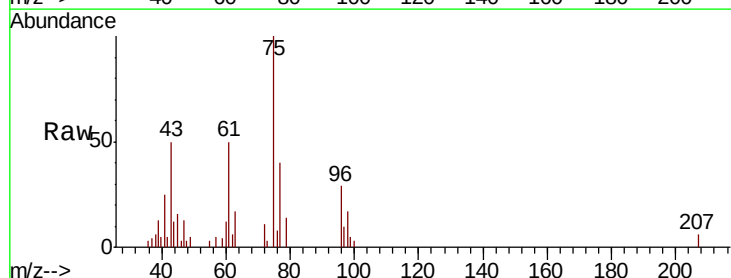
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

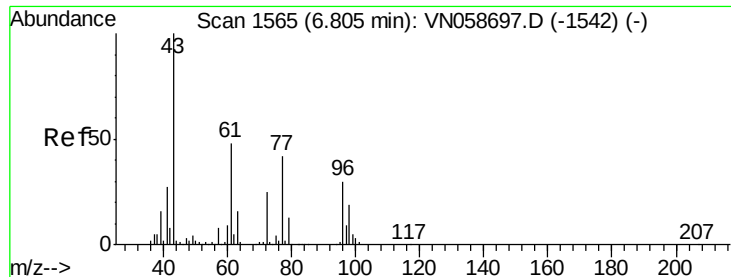
Tot Ion: 43 Resp: 16975
 Ion Ratio Lower Upper
 43 100
 72 23.4 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 1.085 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 77 Resp: 7837
 Ion Ratio Lower Upper
 77 100
 97 17.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 1.243 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

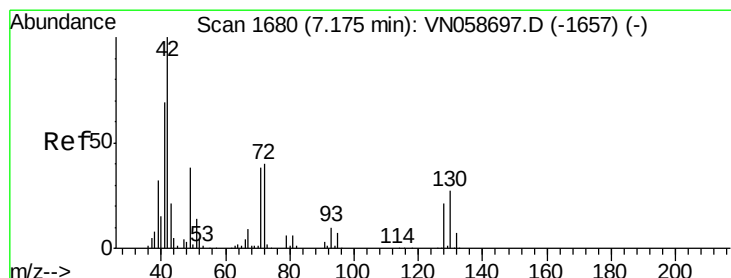
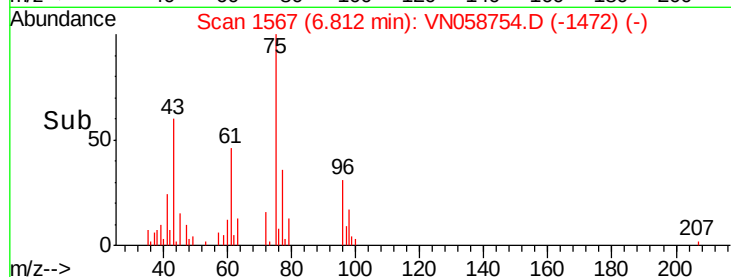
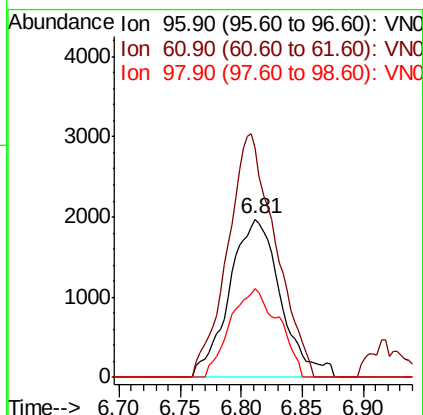
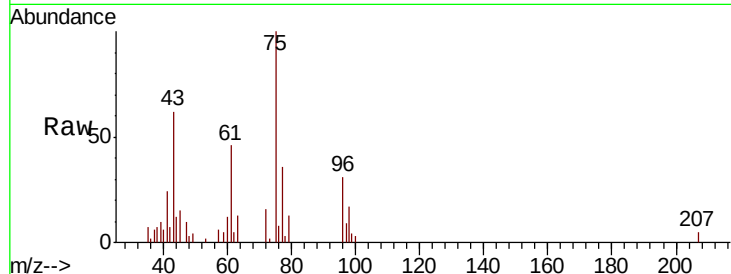
Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 96 Resp: 5743

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	324.8
98	52.9	0.0	129.2



#28

Bromochloromethane

Concen: 0.616 ug/l

RT: 7.17 min Scan# 1679

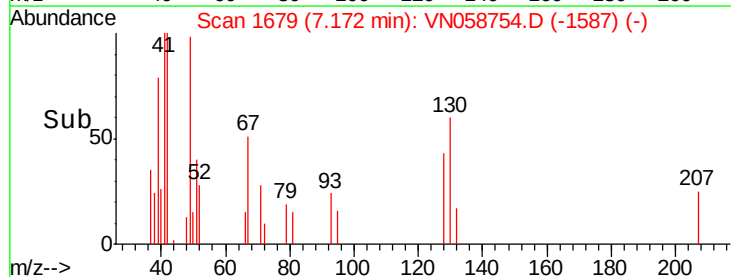
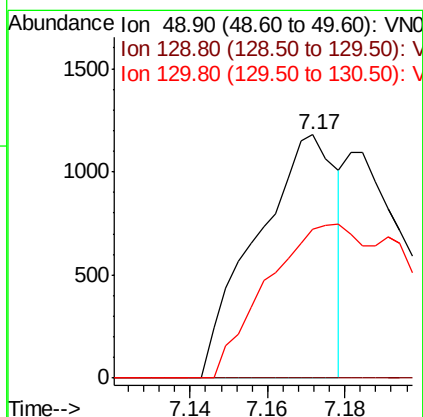
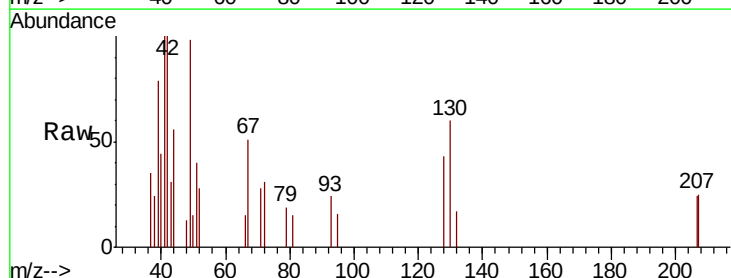
Delta R.T. -0.00 min

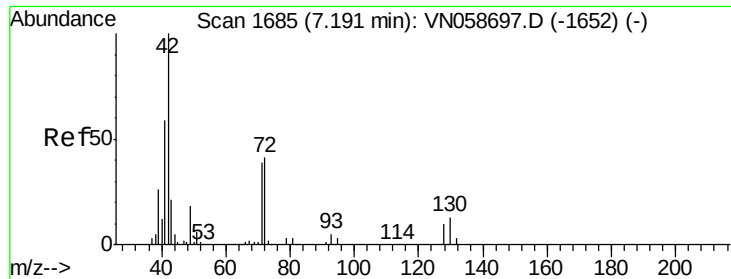
Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Tgt Ion: 49 Resp: 1697

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	116.9	55.0	82.4#





#29

Tetrahydrofuran

Concen: 5.566 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

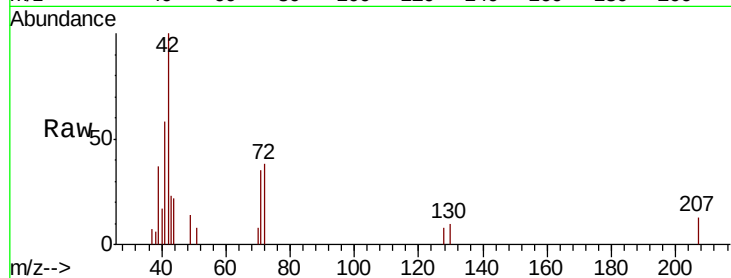
Tot Ion: 42 Resp: 11114

Ion Ratio Lower Upper

42 100

72 33.9 32.8 49.2

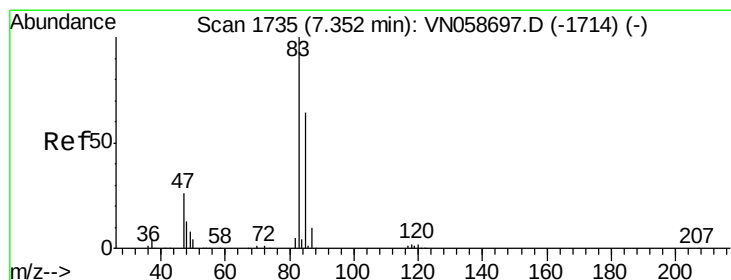
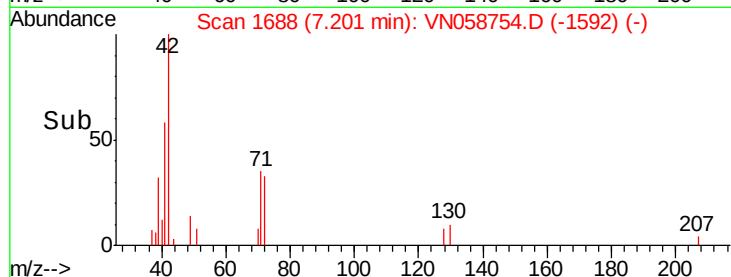
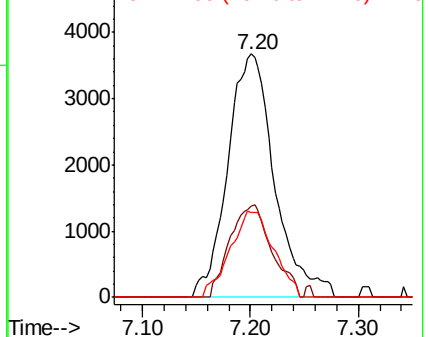
71 32.8 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.237 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058754.D

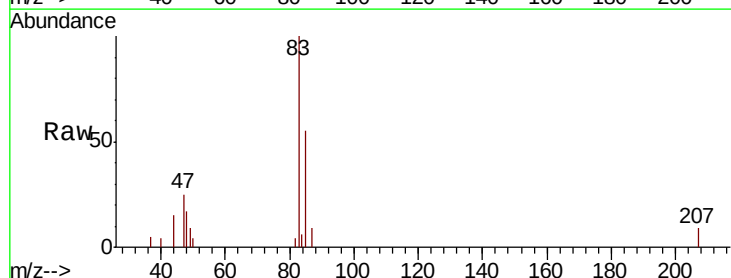
Acq: 14 Oct 2019 17:17

Tgt Ion: 83 Resp: 9840

Ion Ratio Lower Upper

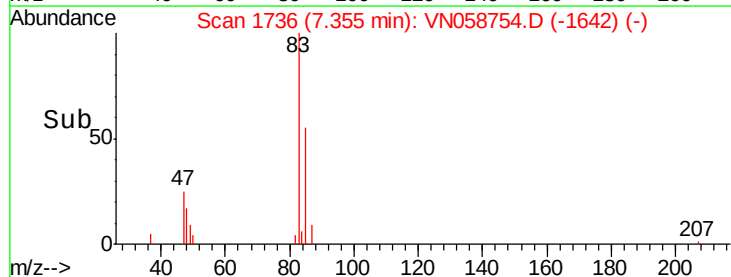
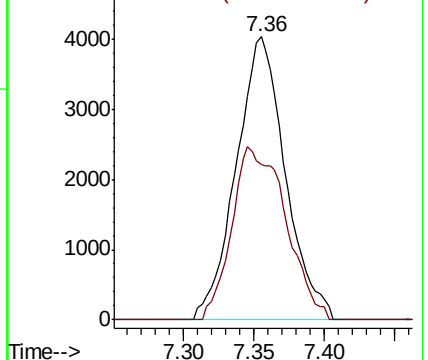
83 100

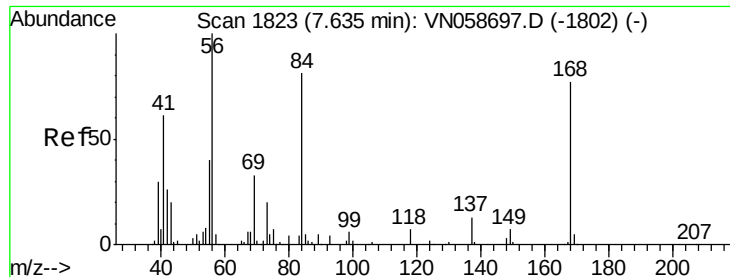
85 54.7 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

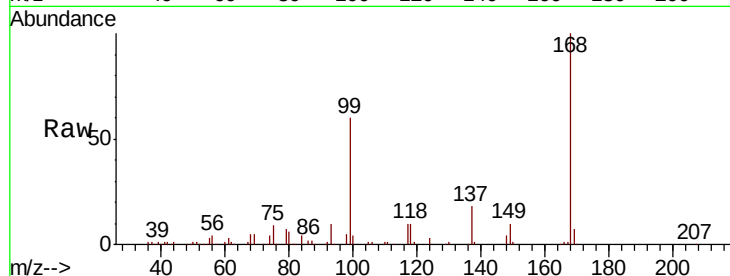




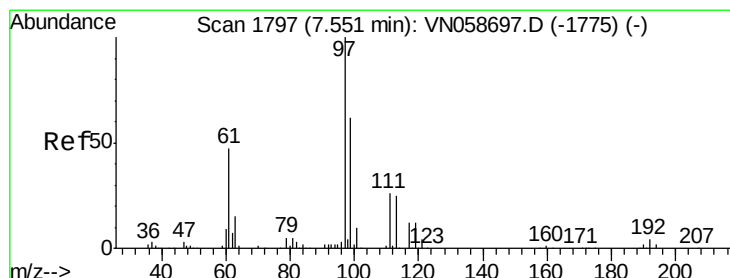
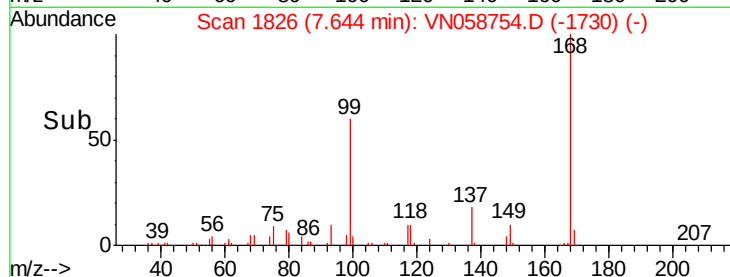
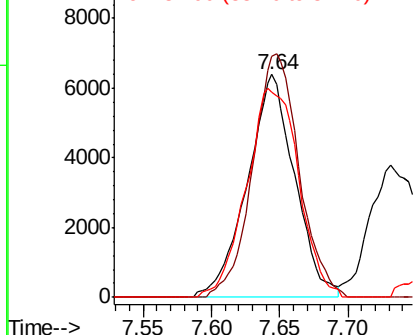
#31
Cyclohexane
Concen: 2.041 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 15460
Ion Ratio Lower Upper
56 100
69 108.4 26.2 39.4#
84 92.3 64.9 97.3

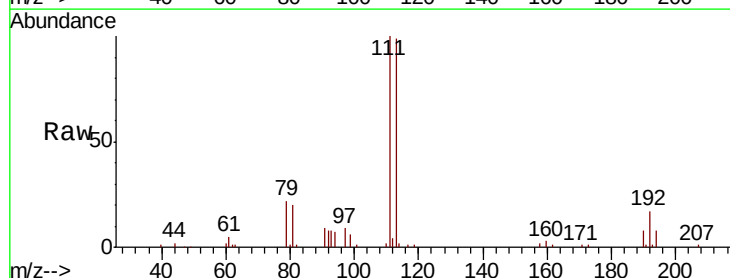


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

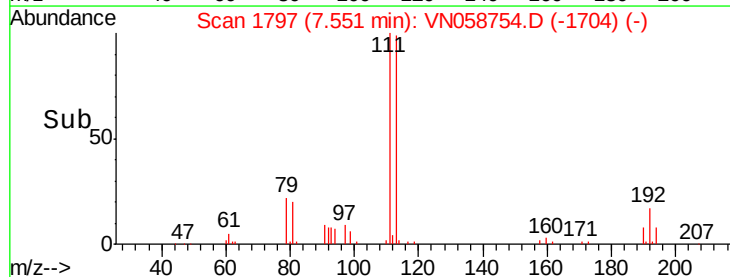
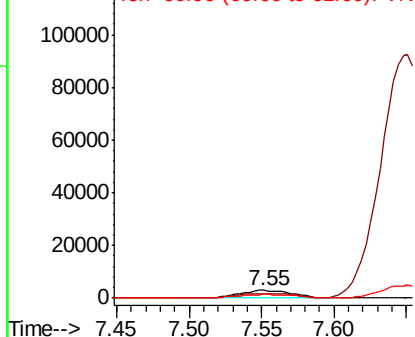


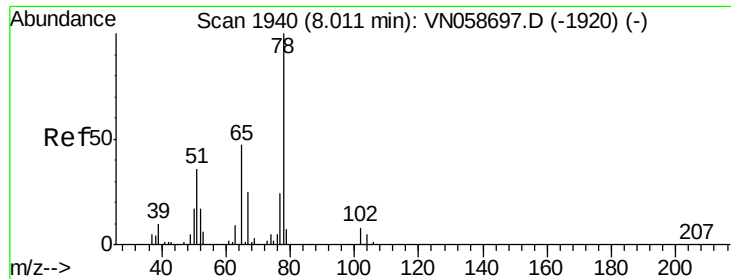
#32
1,1,1-Trichloroethane
Concen: 1.104 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 97 Resp: 7491
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 33.6 38.1 57.1#



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

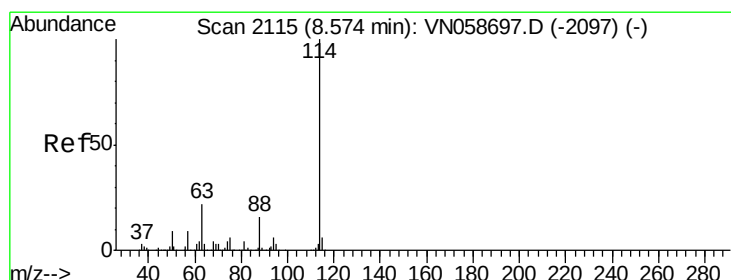
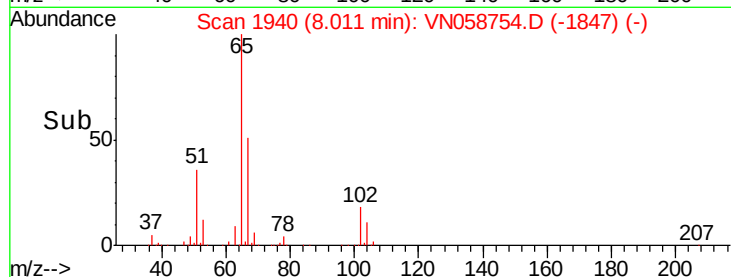
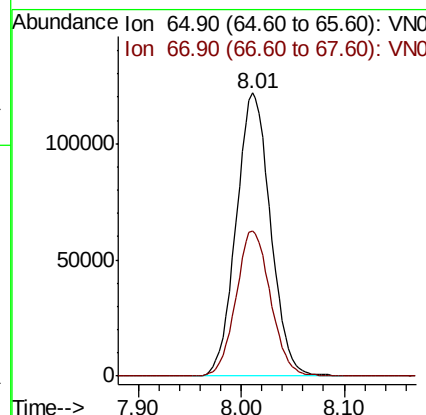
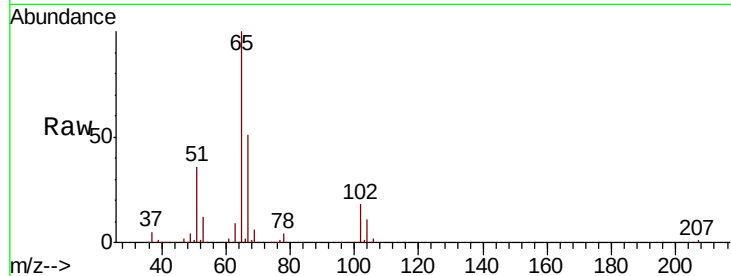




#33
 1,2-Dichloroethane-d4
 Concen: 54.568 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

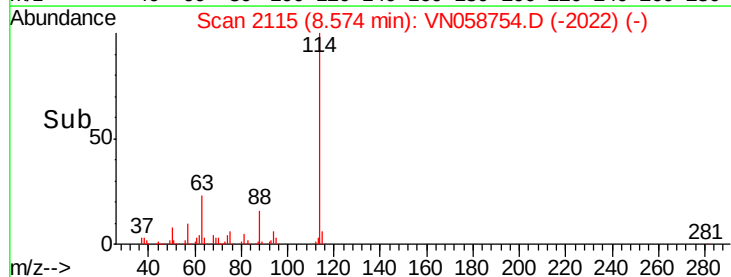
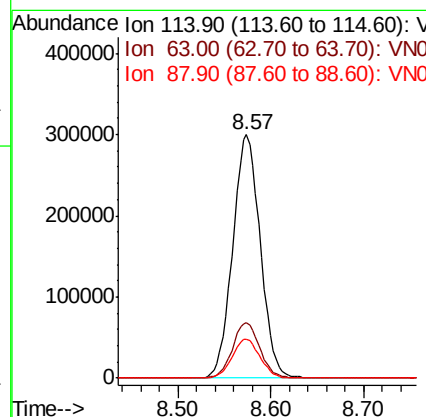
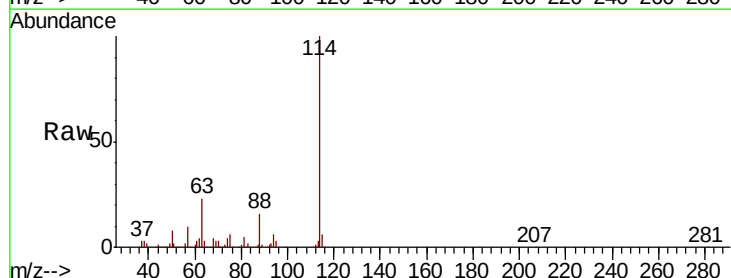
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

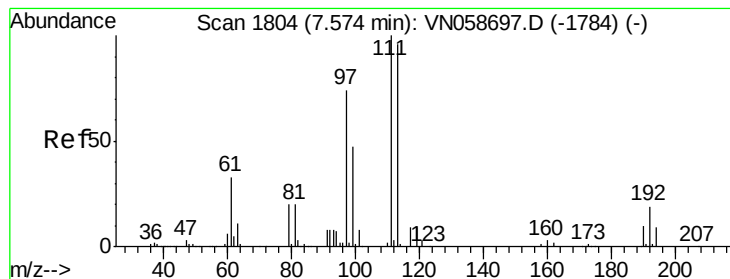
Tot Ion: 65 Resp: 281783
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 114 Resp: 617125
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.601 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

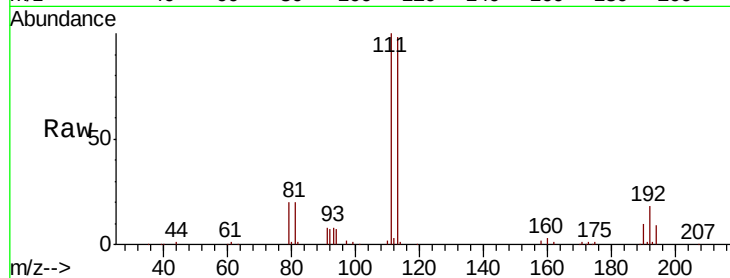
Tot Ion:113 Resp: 200509

Ion Ratio Lower Upper

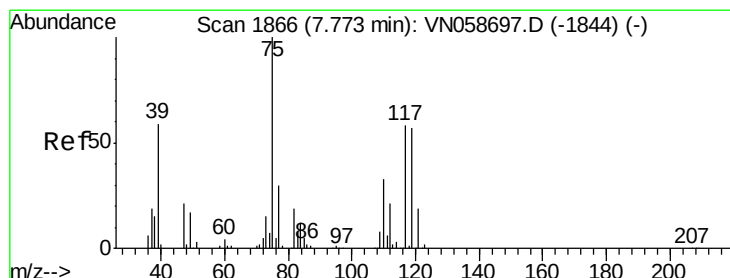
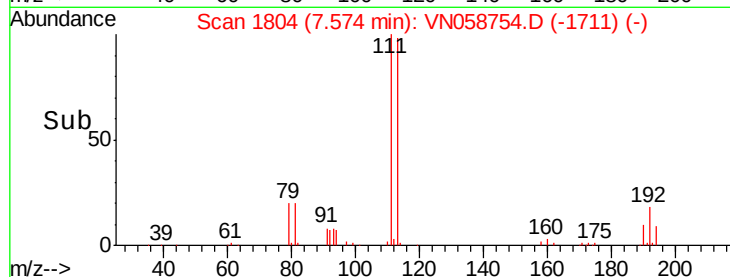
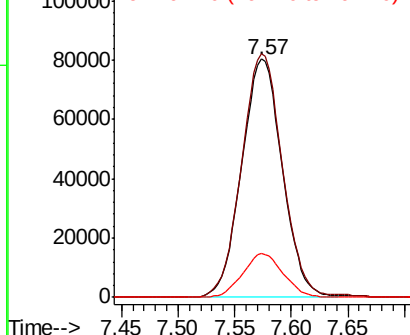
113 100

111 103.2 82.3 123.5

192 18.4 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.032 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

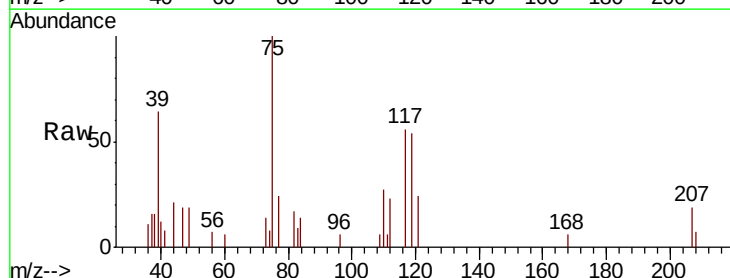
Tgt Ion: 75 Resp: 6442

Ion Ratio Lower Upper

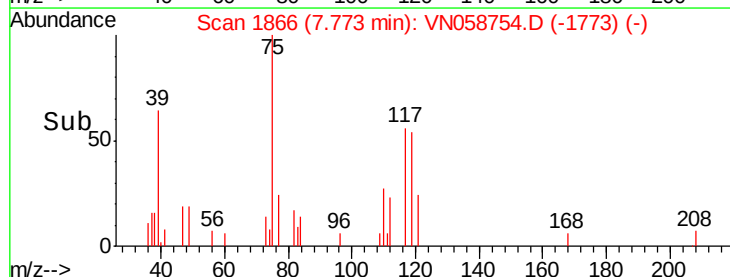
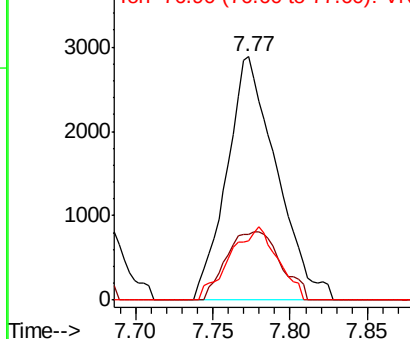
75 100

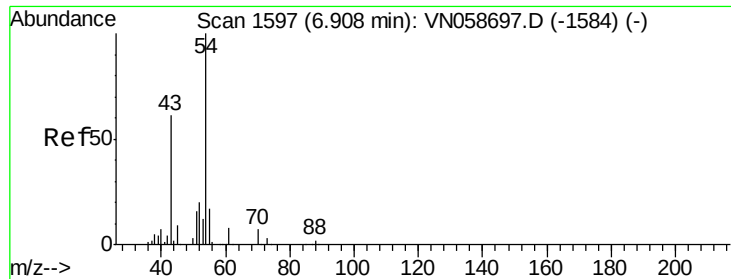
110 30.7 16.6 49.8

77 28.8 24.6 37.0



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

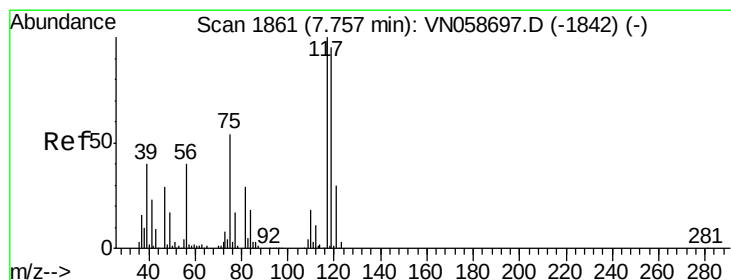
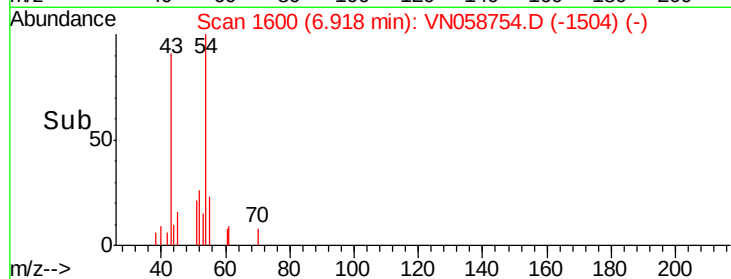
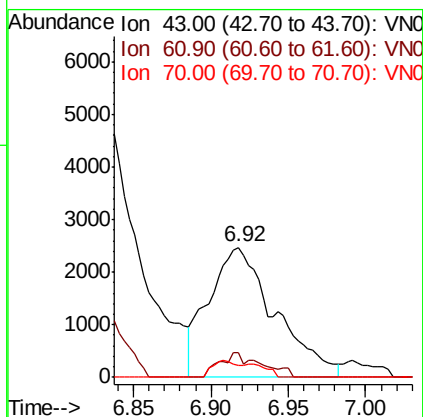
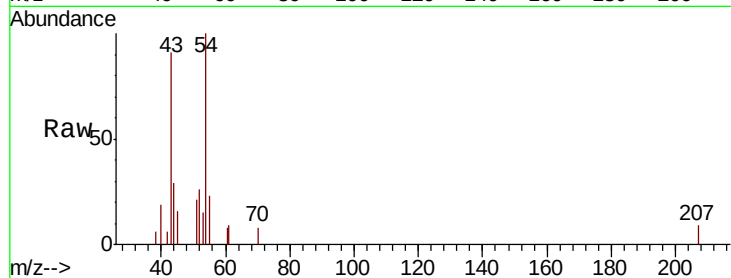




#37
Ethyl Acetate
Concen: 1.166 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

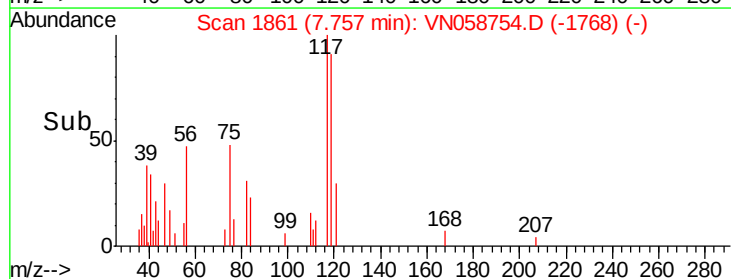
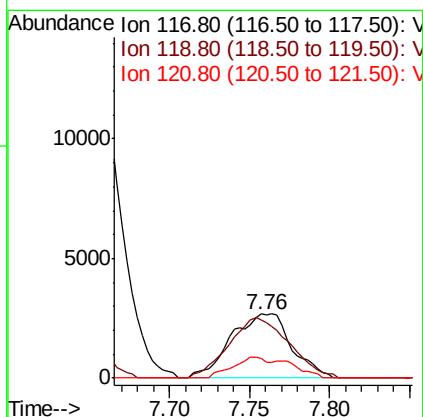
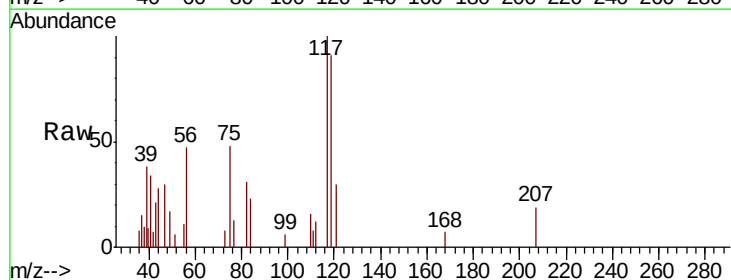
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

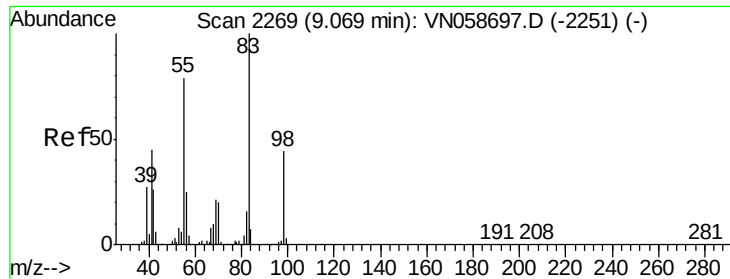
Tot Ion: 43 Resp: 7355
Ion Ratio Lower Upper
43 100
61 11.8 11.3 16.9
70 4.8 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 1.146 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 117 Resp: 6970
Ion Ratio Lower Upper
117 100
119 91.4 75.7 113.5
121 30.1 23.9 35.9

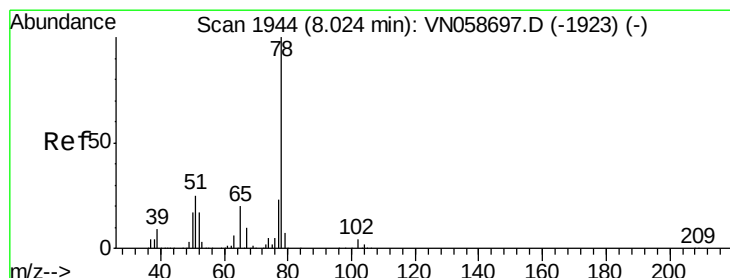
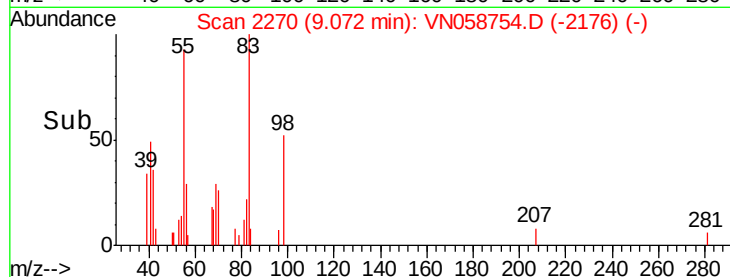
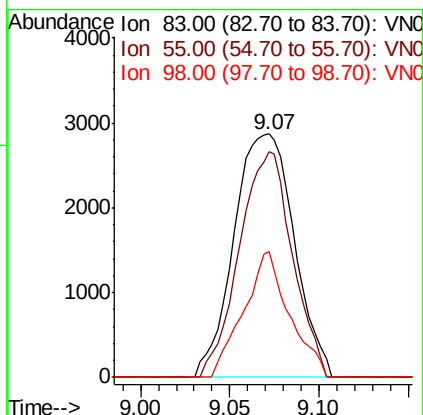
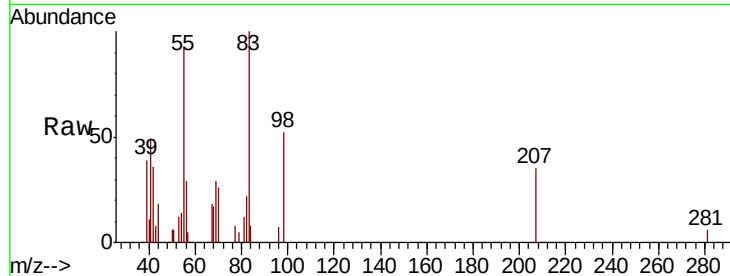




#39
Methylvlcyclohexane
Concen: 0.934 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

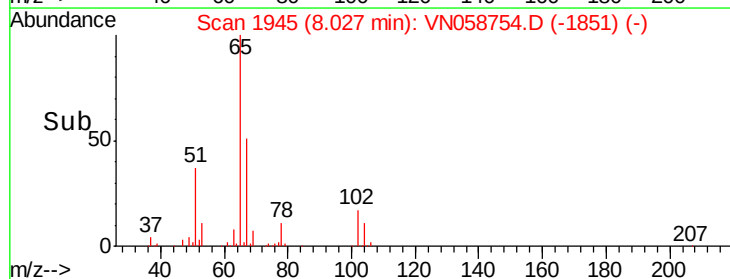
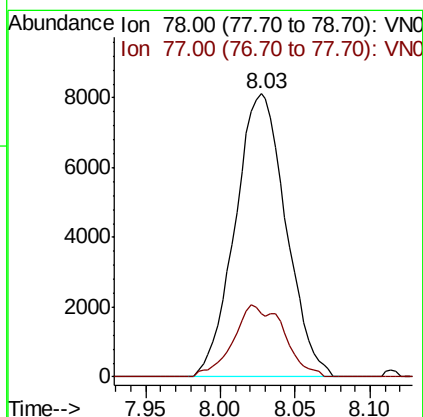
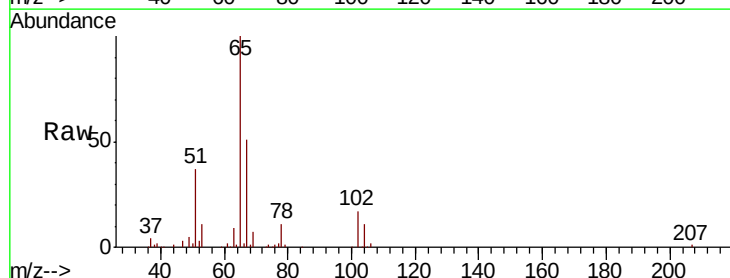
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

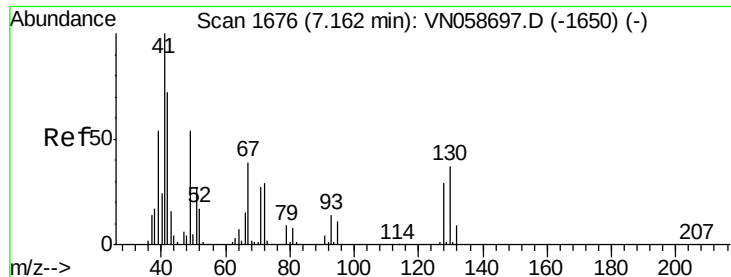
Tot Ion: 83 Resp: 6759
Ion Ratio Lower Upper
83 100
55 92.6 63.4 95.0
98 51.5 35.1 52.7



#40
Benzene
Concen: 1.070 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 78 Resp: 19171
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2

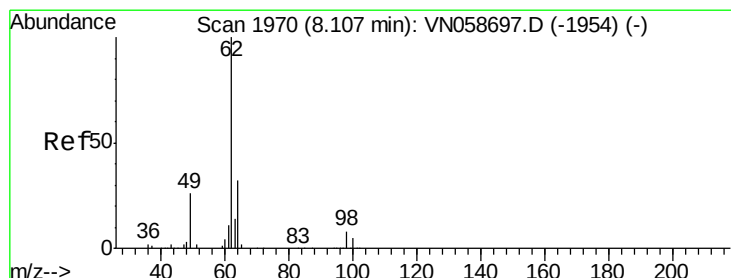
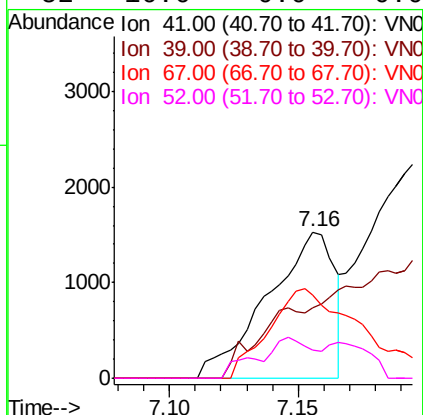
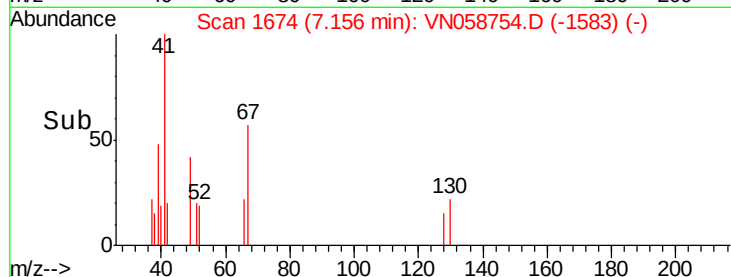
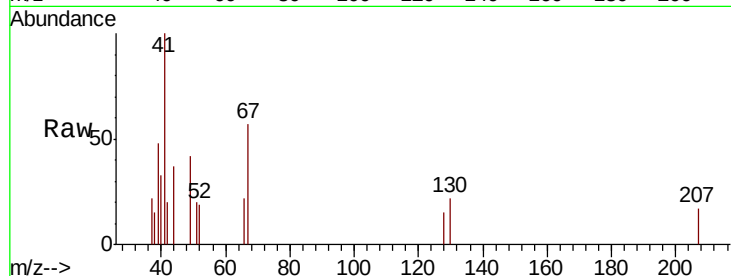




#41
Methacrylonitrile
Concen: 0.935 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

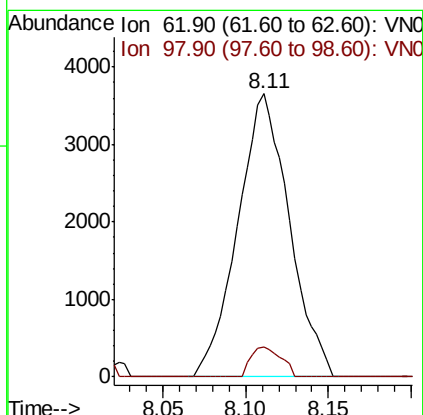
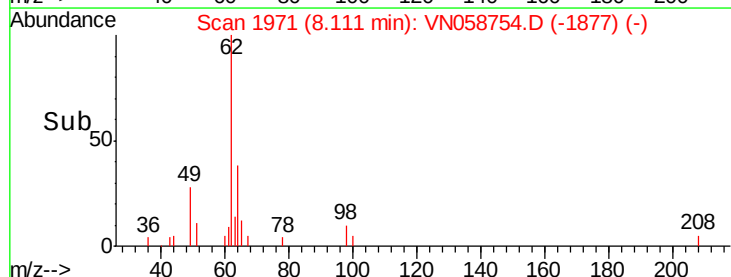
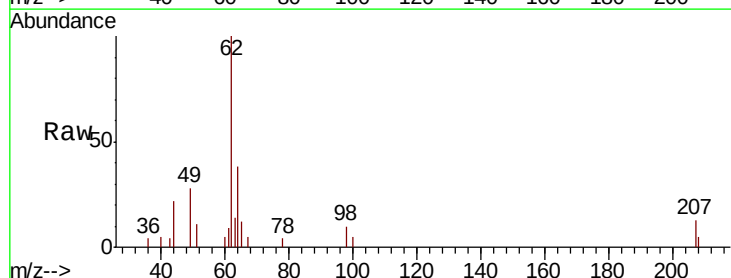
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

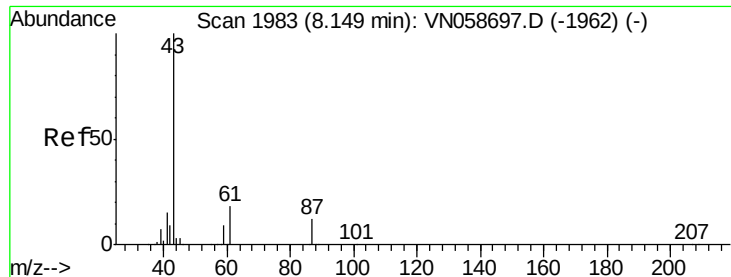
Tot Ion:	41	Resp:	2761
Ion	Ratio	Lower	Upper
41	100		
39	35.4	115.4	173.2#
67	82.1	0.0	0.0#
52	16.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 1.150 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion:	62	Resp:	7915
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 0.958 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

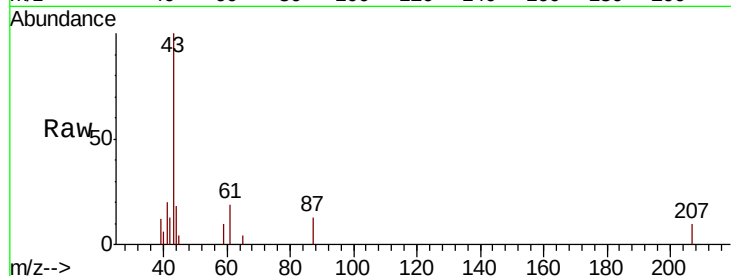
Tot Ion: 43 Resp: 10296

Ion Ratio Lower Upper

43 100

61 19.2 20.3 30.5#

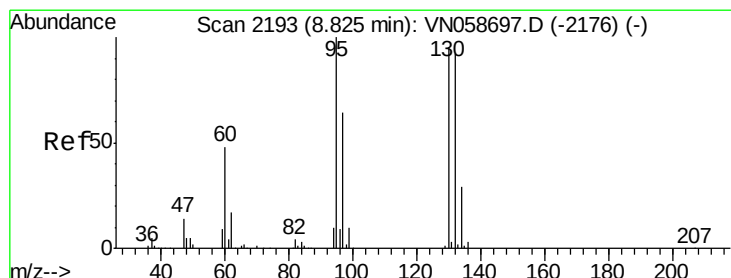
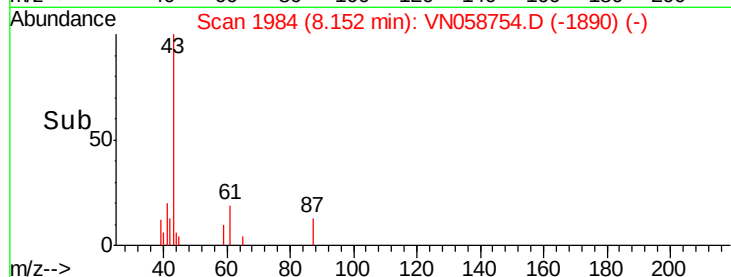
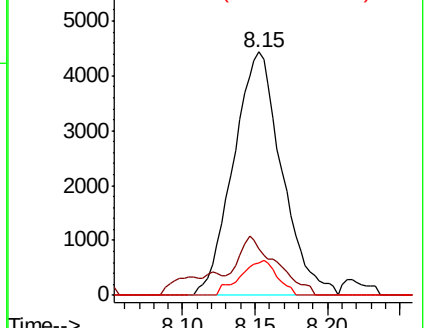
87 10.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 0.945 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058754.D

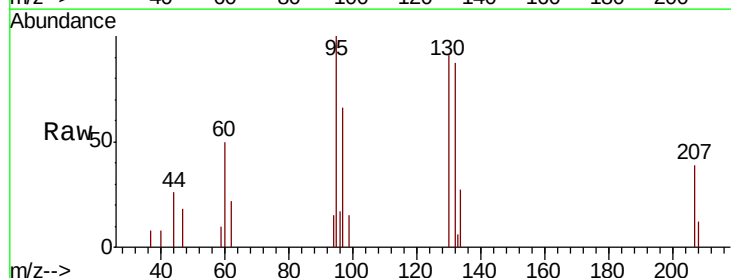
Acq: 14 Oct 2019 17:17

Tgt Ion:130 Resp: 4204

Ion Ratio Lower Upper

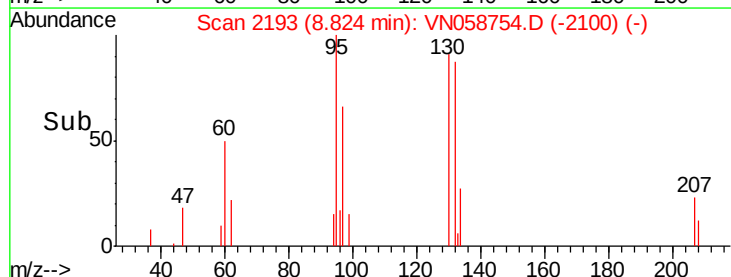
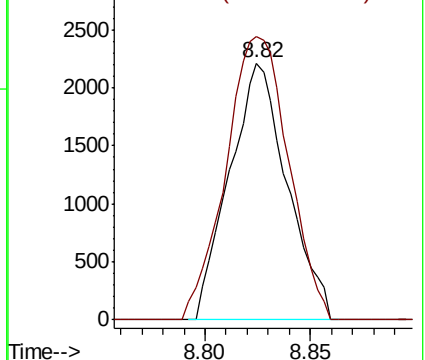
130 100

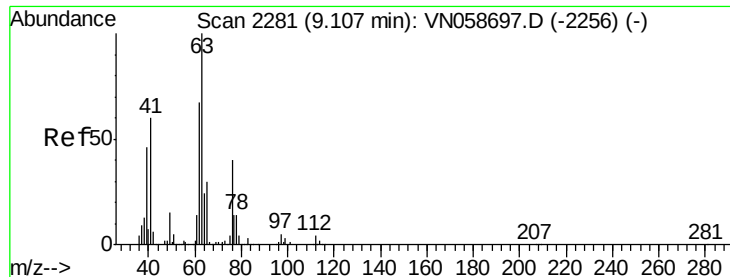
95 110.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

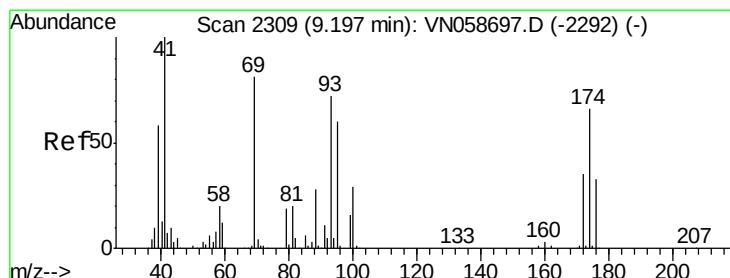
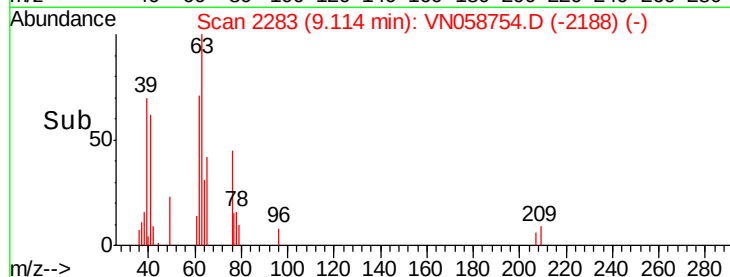
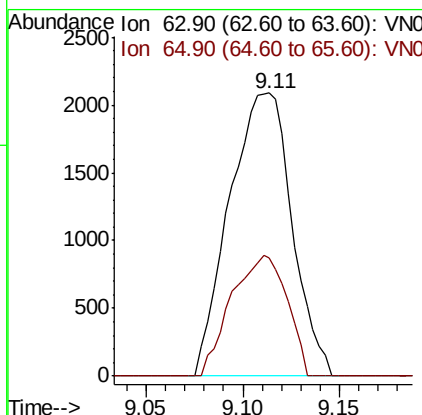
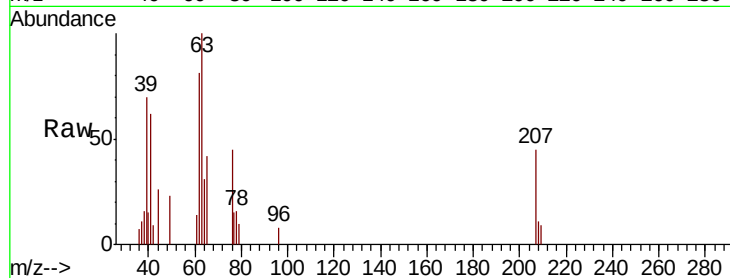




#45
 1,2-Dichloropropane
 Concen: 0.977 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

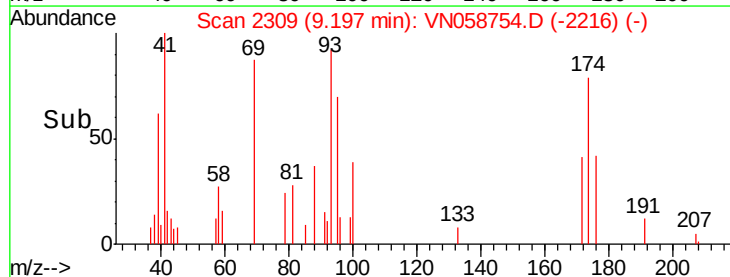
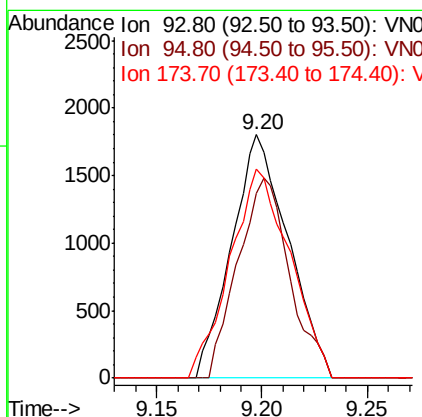
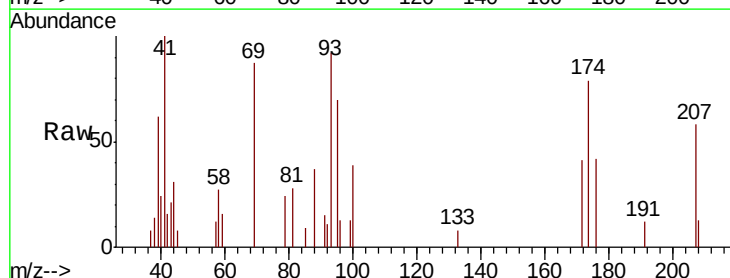
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

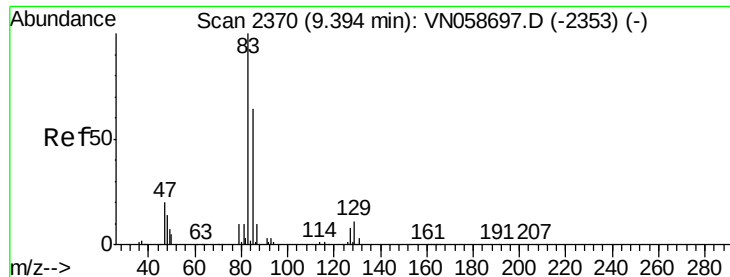
Tot Ion: 63 Resp: 4687
 Ion Ratio Lower Upper
 63 100
 65 41.7 24.1 36.1#



#46
 Dibromomethane
 Concen: 1.101 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 93 Resp: 3349
 Ion Ratio Lower Upper
 93 100
 95 75.3 66.6 100.0
 174 91.3 75.2 112.8





#47

Bromodichloromethane

Concen: 0.968 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

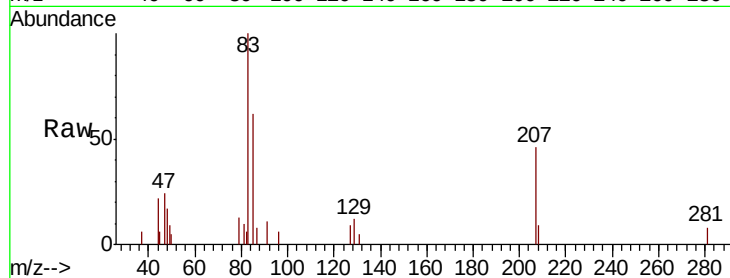
Tot Ion: 83 Resp: 5995

Ion Ratio Lower Upper

83 100

85 62.1 50.9 76.3

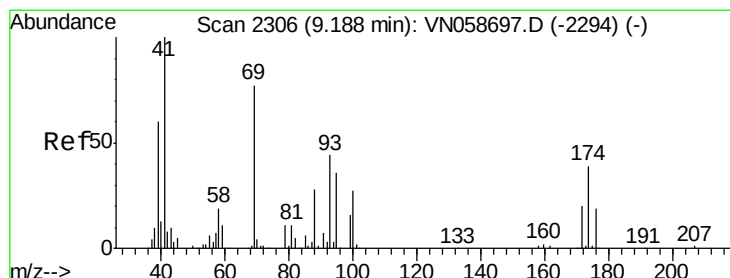
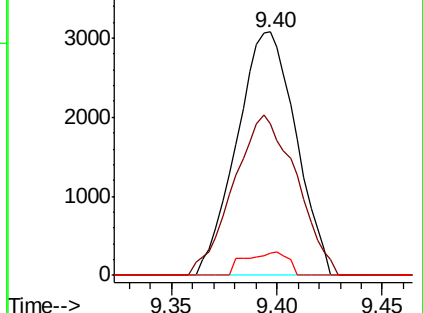
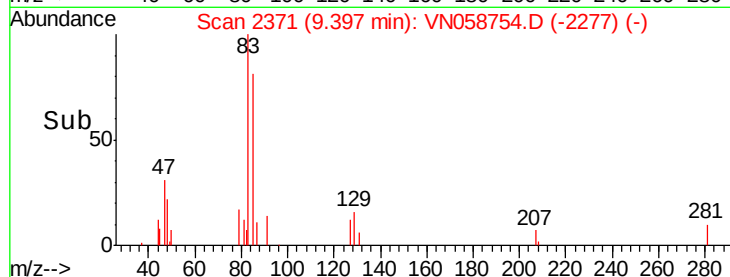
127 9.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.042 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

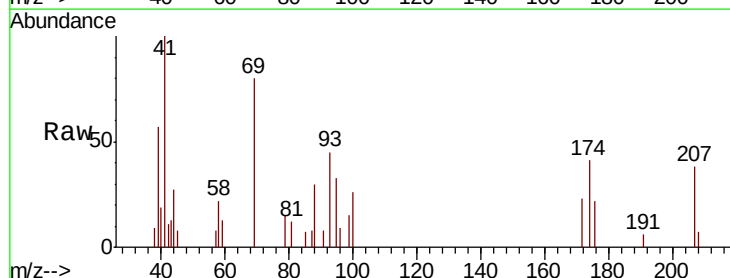
Tgt Ion: 41 Resp: 5079

Ion Ratio Lower Upper

41 100

69 75.9 63.4 95.2

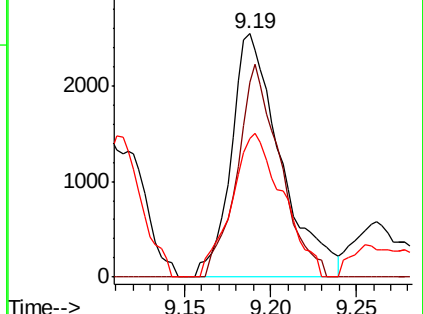
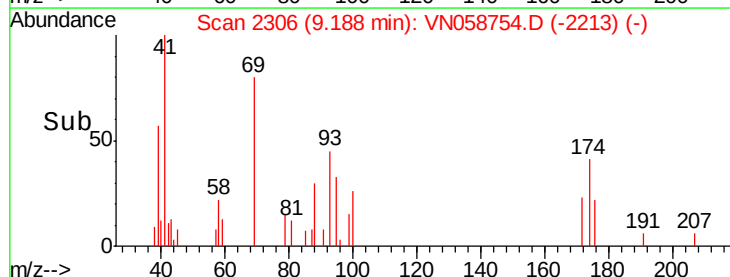
39 61.3 48.9 73.3

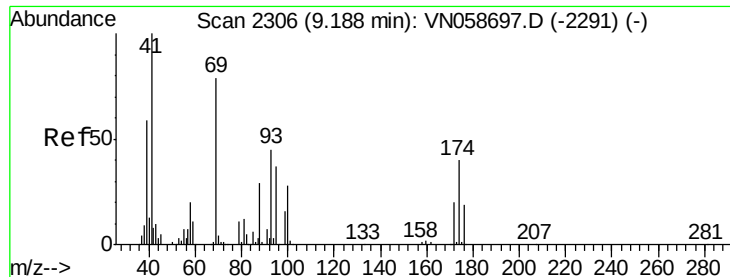


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

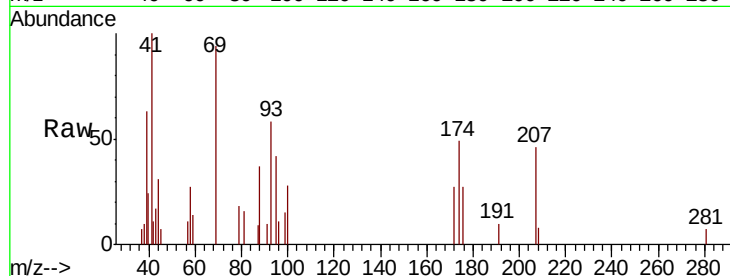




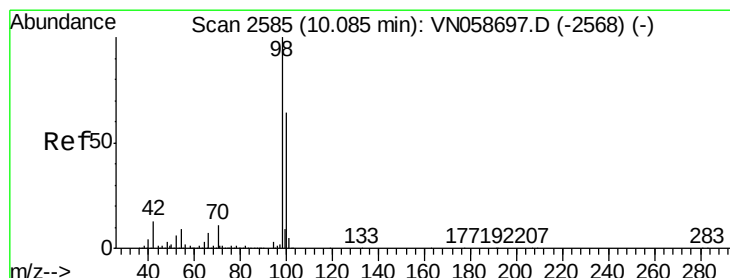
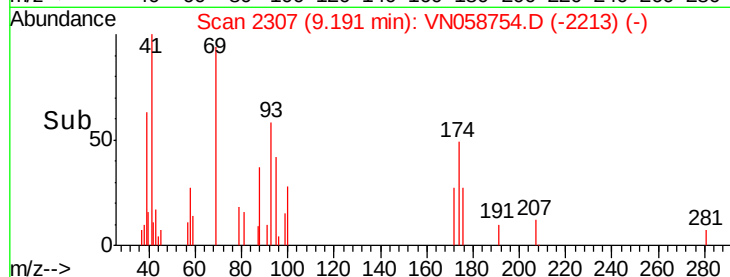
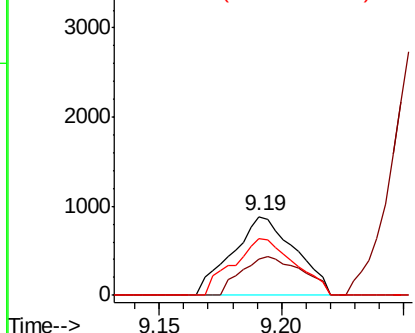
#49
1,4-Dioxane
Concen: 20.933 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 88 Resp: 1578
Ion Ratio Lower Upper
88 100
43 47.7 28.6 43.0#
58 70.1 57.2 85.8

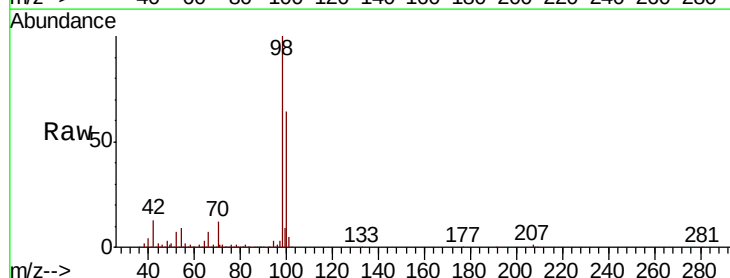


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

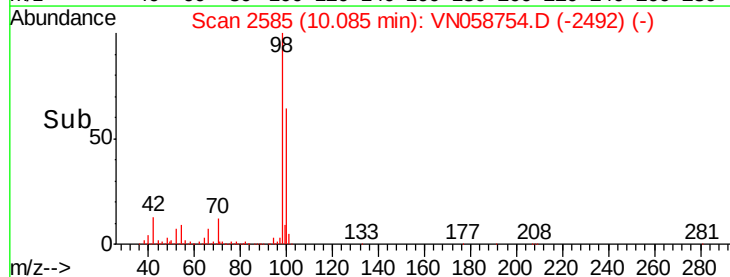
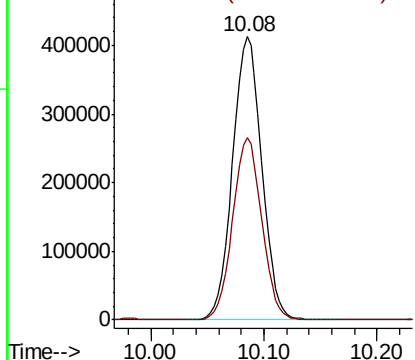


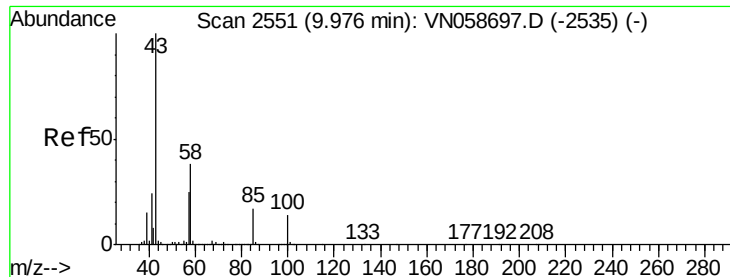
#50
Toluene-d8
Concen: 48.788 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 98 Resp: 743686
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 4.894 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

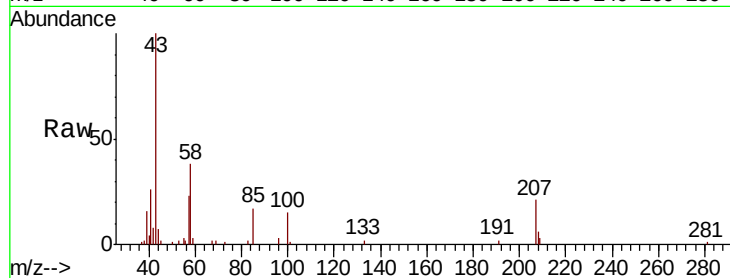
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 29547

Ion Ratio Lower Upper

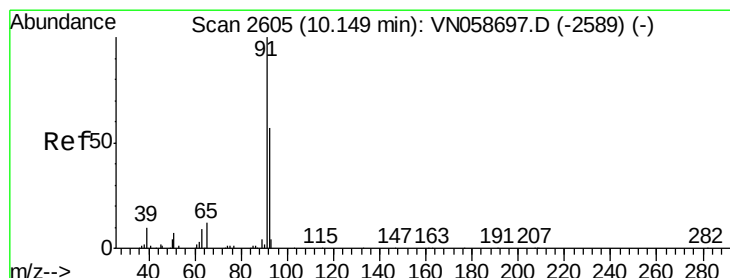
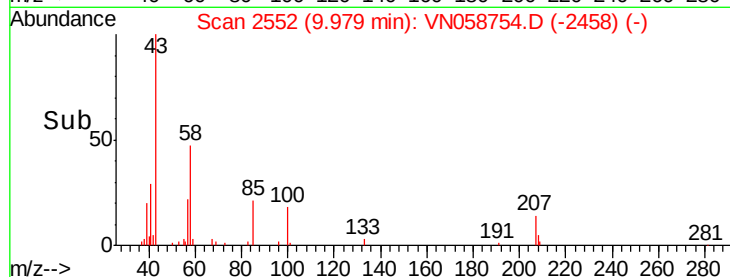
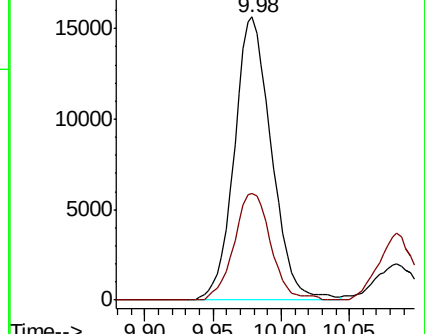
43 100

58 37.4 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 1.016 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058754.D

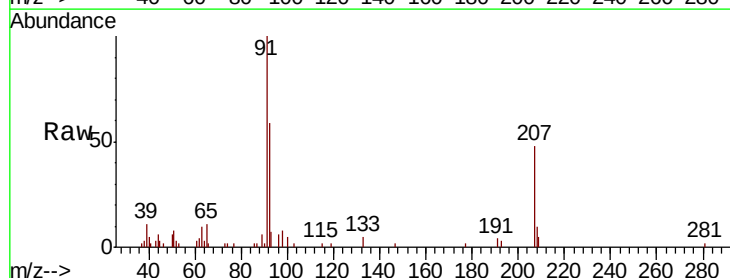
Acq: 14 Oct 2019 17:17

Tgt Ion: 92 Resp: 11136

Ion Ratio Lower Upper

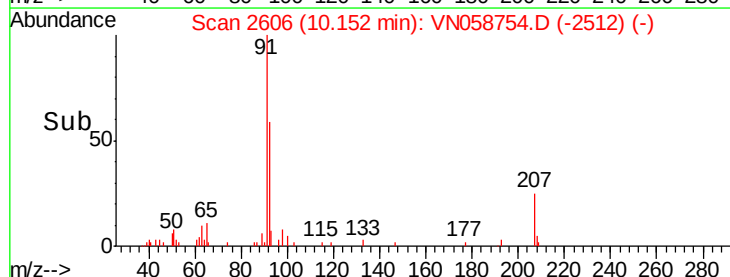
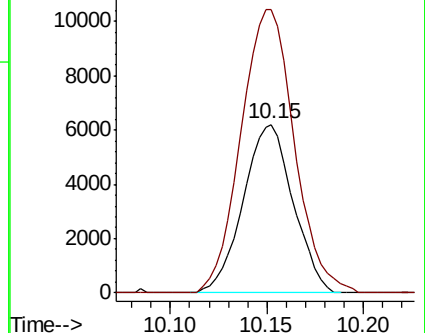
92 100

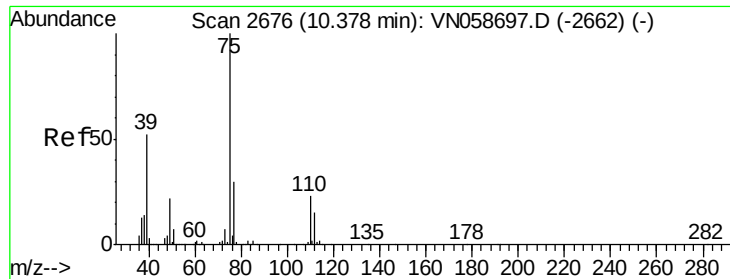
91 179.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.818 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

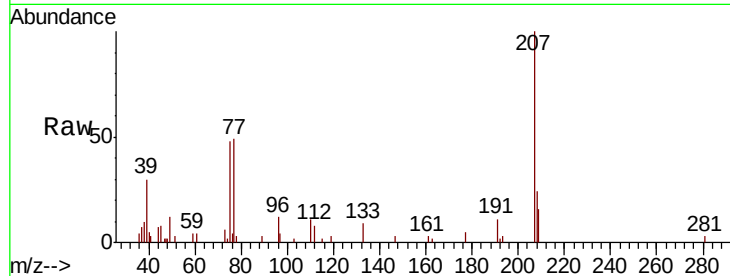
LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 5808

Ion Ratio Lower Upper

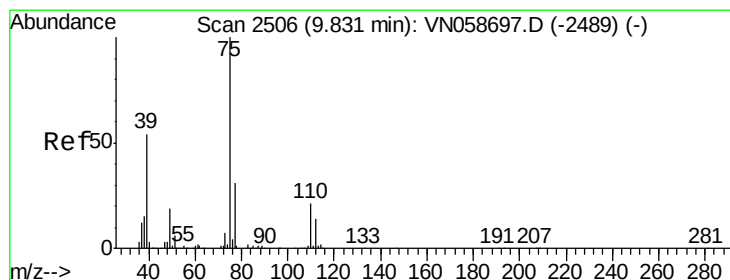
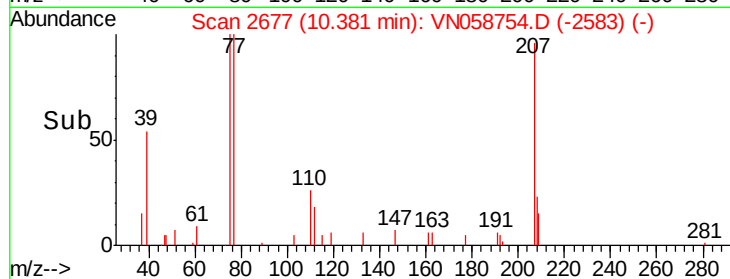
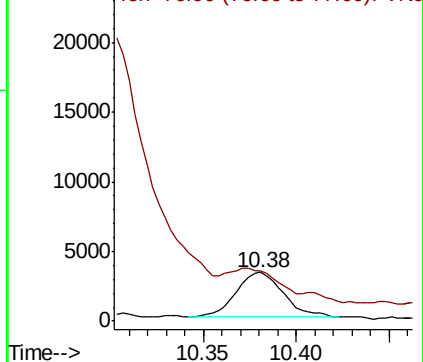
75 100

77 66.1 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 0.962 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

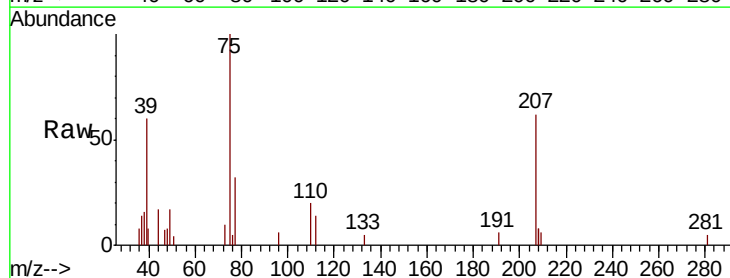
Tgt Ion: 75 Resp: 7252

Ion Ratio Lower Upper

75 100

77 31.7 24.4 36.6

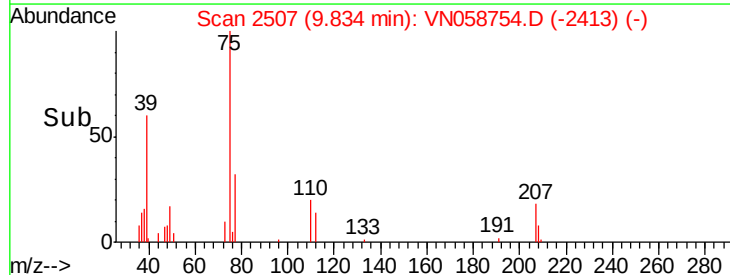
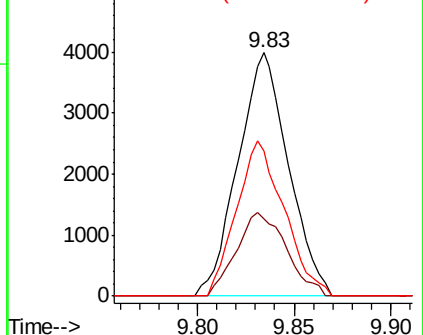
39 59.7 43.1 64.7

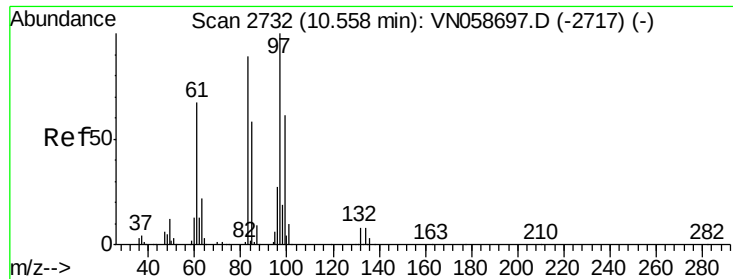


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 1.133 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 97 Resp: 5081

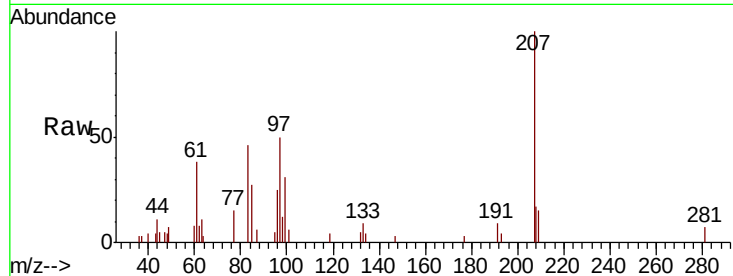
Ion Ratio Lower Upper

97 100

83 92.2 71.2 106.8

85 53.2 46.7 70.1

99 61.4 49.0 73.6



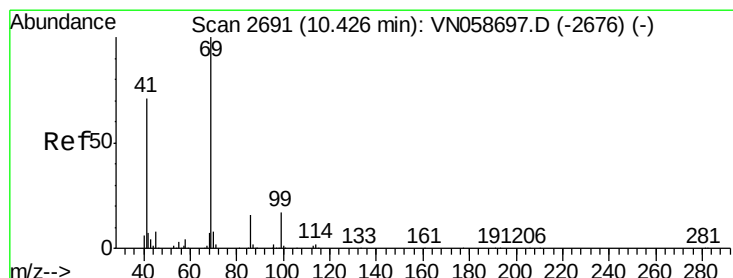
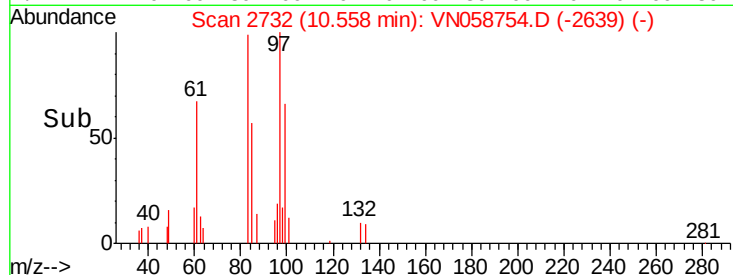
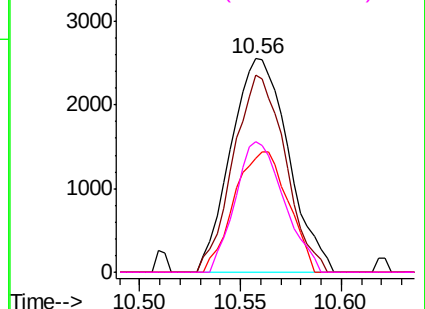
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.857 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

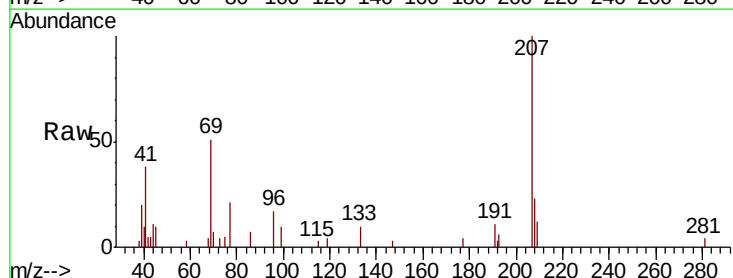
Tgt Ion: 69 Resp: 5615

Ion Ratio Lower Upper

69 100

41 90.4 56.8 85.2#

39 45.4 32.5 48.7

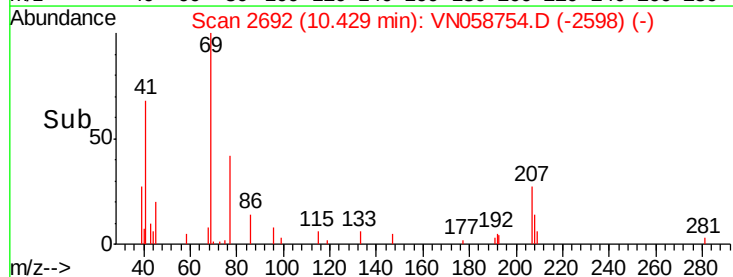
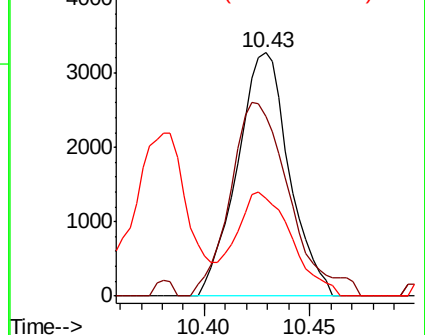


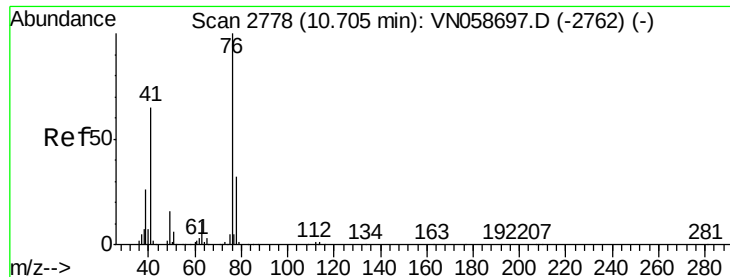
Abundance

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

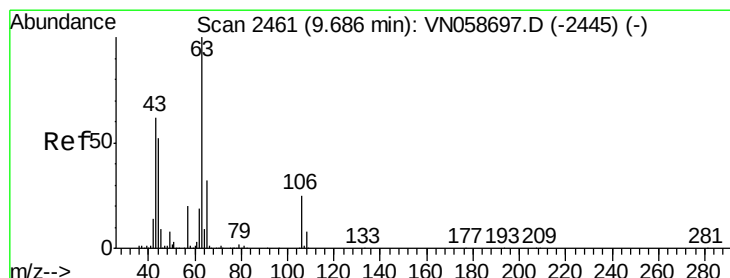
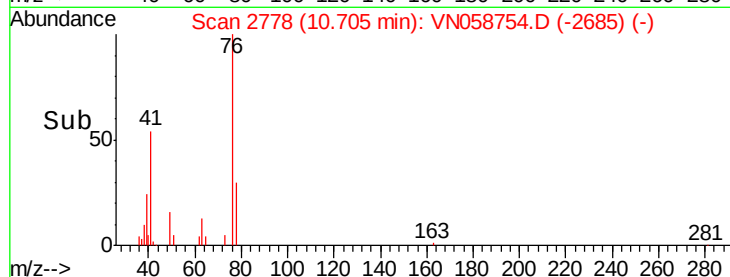
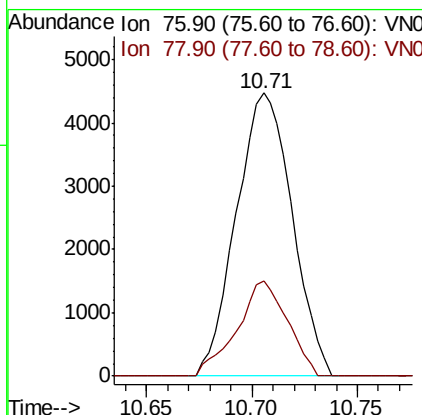
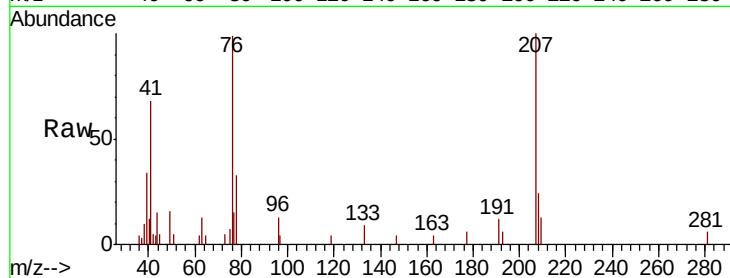




#57
 1,3-Dichloropropane
 Concen: 1.075 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

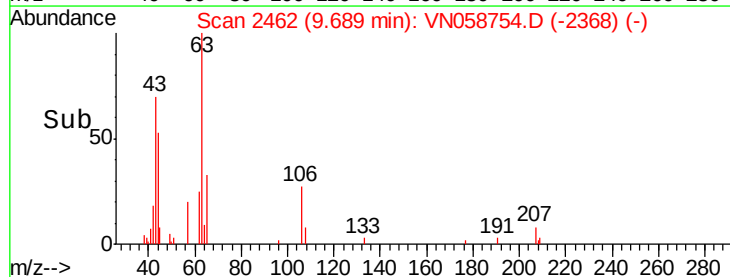
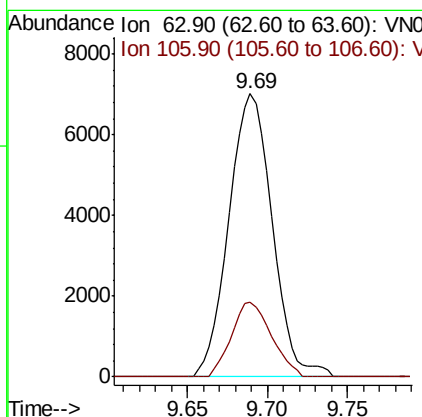
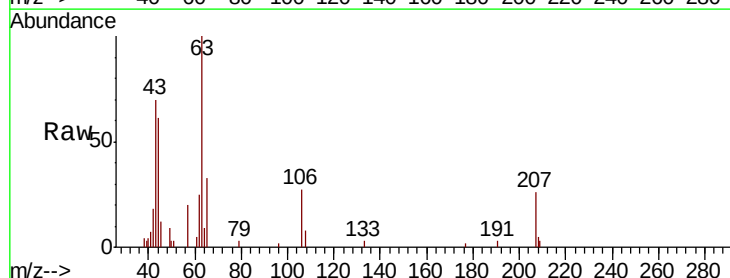
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

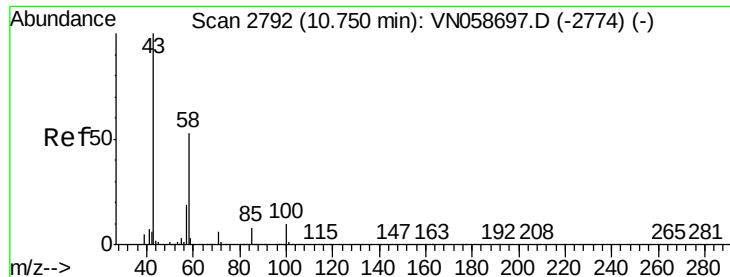
Tot Ion: 76 Resp: 8220
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.103 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 63 Resp: 12960
 Ion Ratio Lower Upper
 63 100
 106 24.2 20.0 30.0

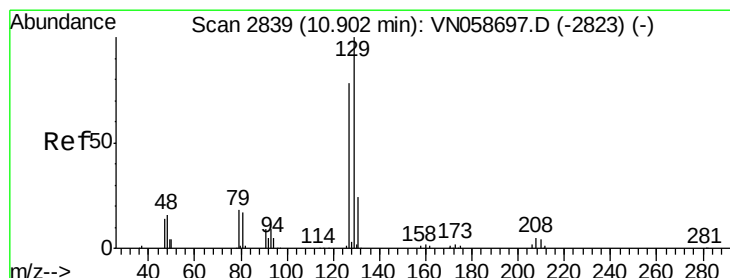
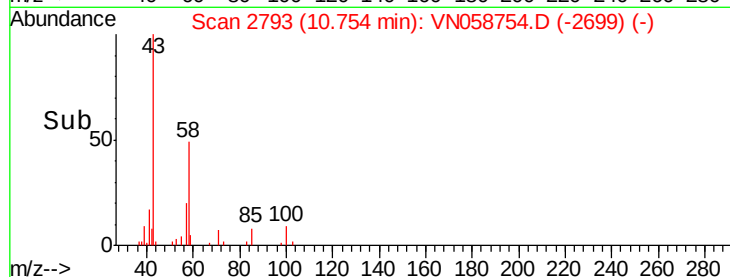
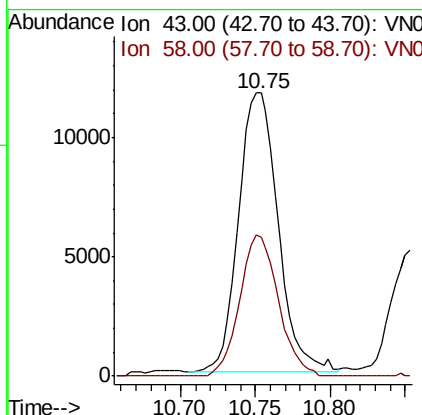
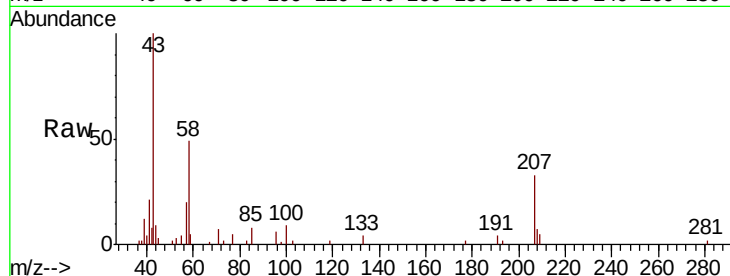




#59
2-Hexanone
Concen: 4.644 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

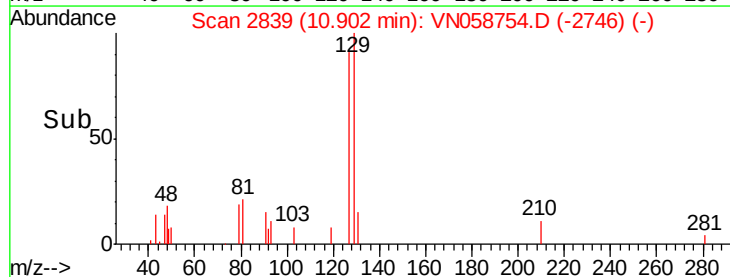
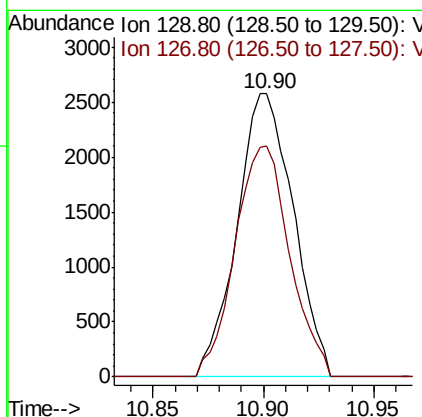
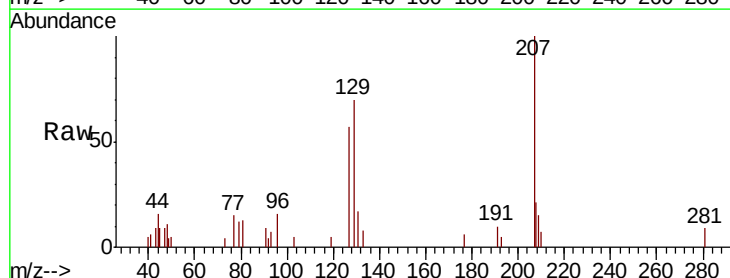
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

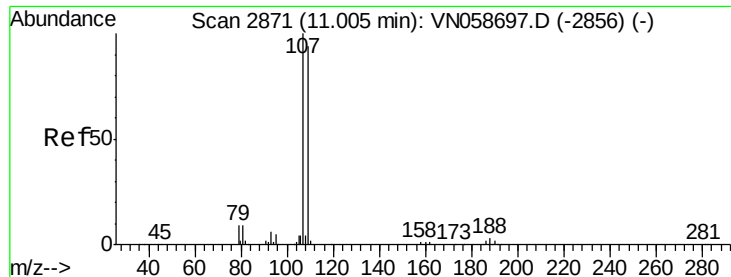
Tot Ion: 43 Resp: 21666
Ion Ratio Lower Upper
43 100
58 49.0 26.1 78.3



#60
Dibromochloromethane
Concen: 0.983 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 129 Resp: 4549
Ion Ratio Lower Upper
129 100
127 79.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.026 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

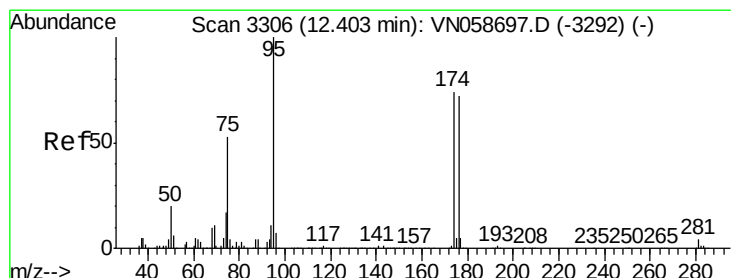
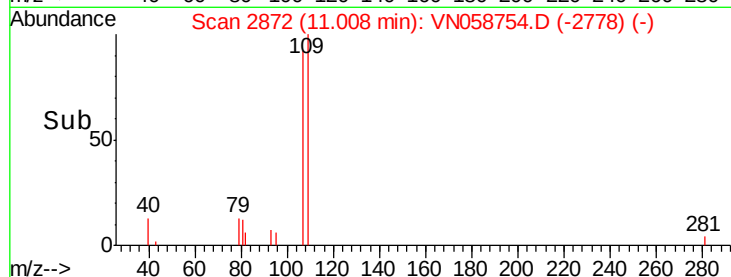
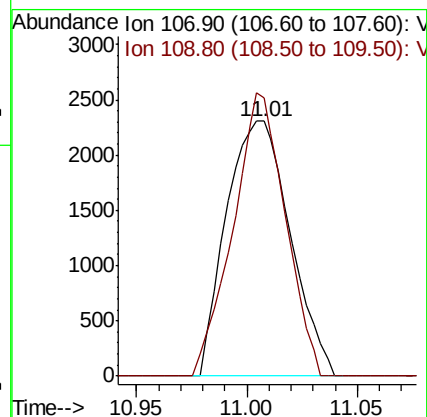
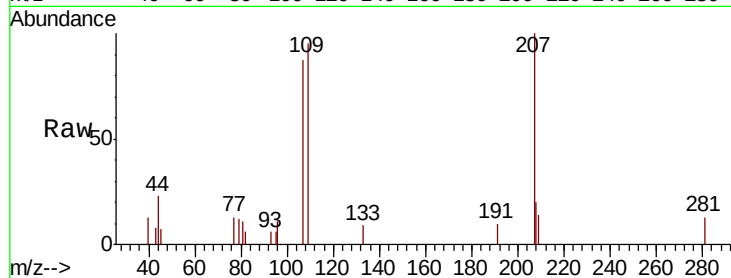
LOQ-WATER-02-QT4-2019

Tot Ion: 107 Resp: 4609

Ion Ratio Lower Upper

107 100

109 91.3 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 43.659 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

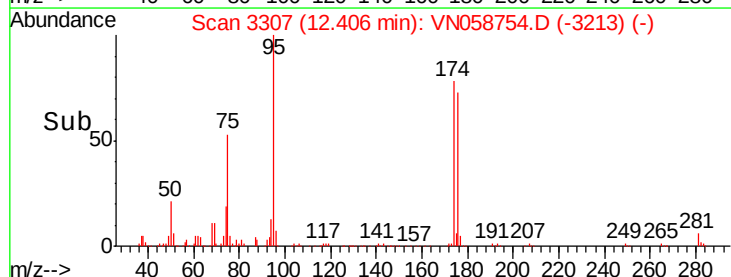
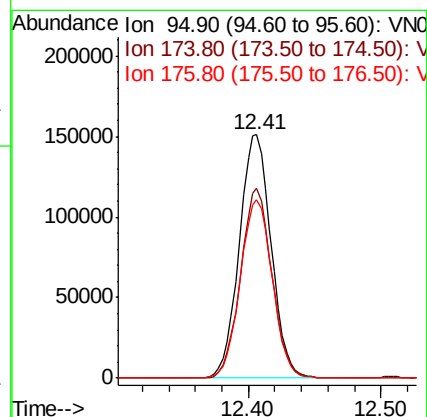
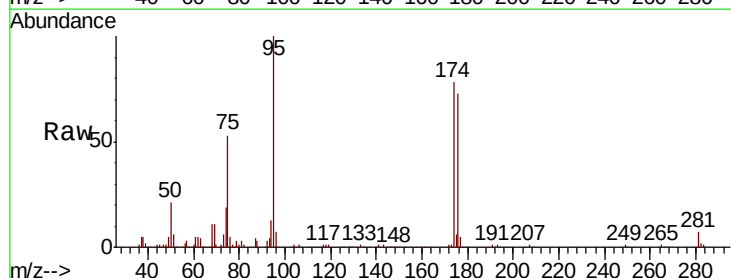
Tgt Ion: 95 Resp: 251908

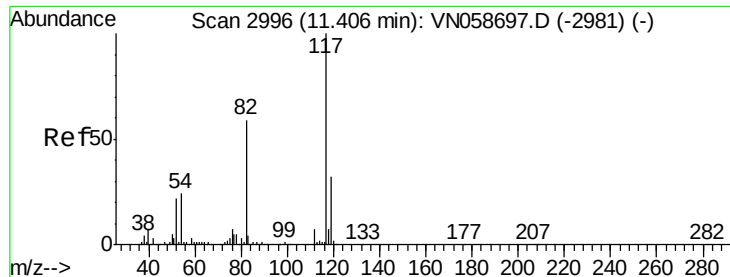
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

176 73.8 0.0 146.8

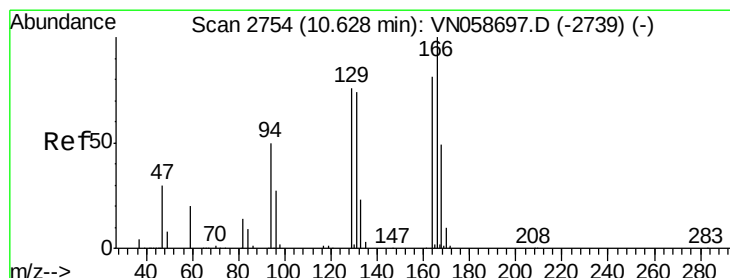
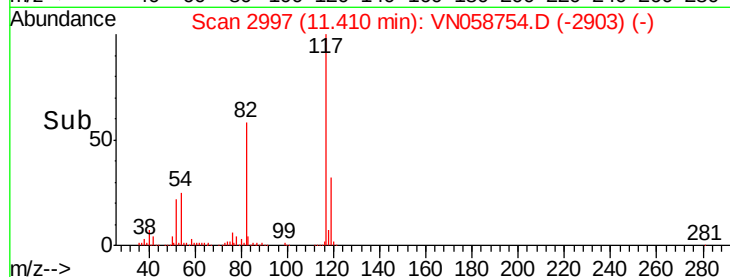
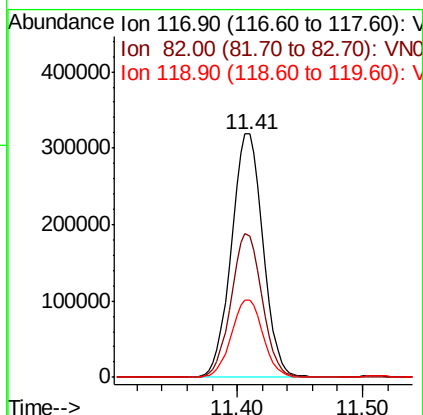
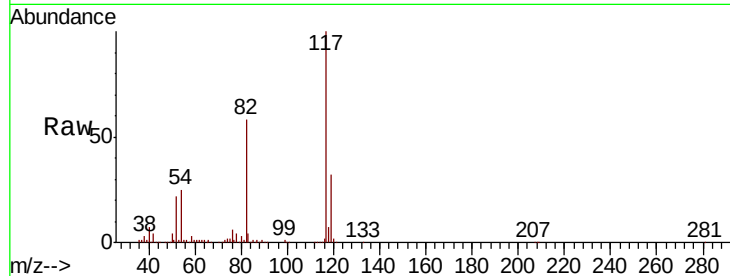




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

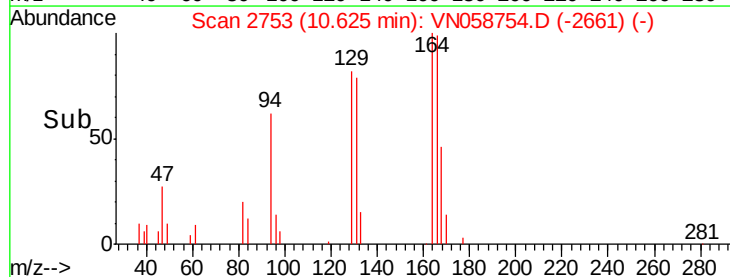
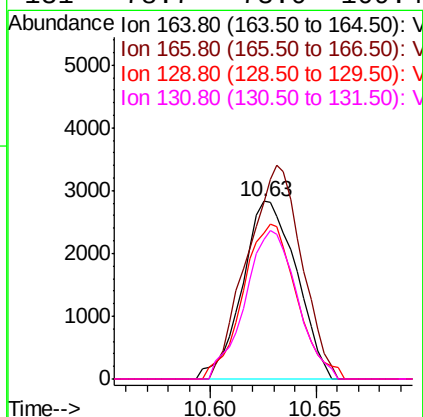
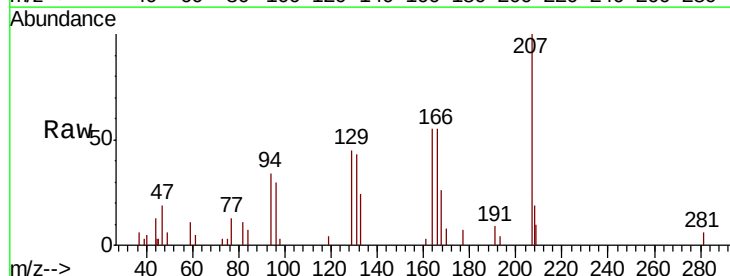
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

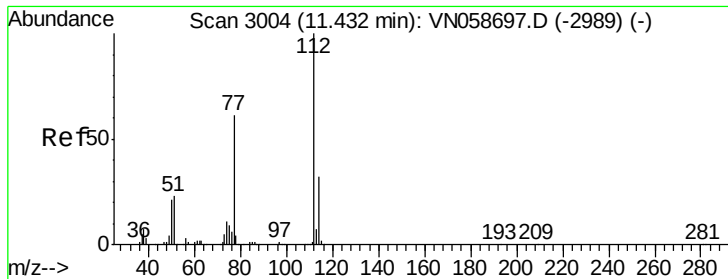
Tot Ion:117 Resp: 557292
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 1.292 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion:164 Resp: 5037
Ion Ratio Lower Upper
164 100
166 99.5 99.3 148.9
129 82.3 75.2 112.8
131 78.7 73.0 109.4

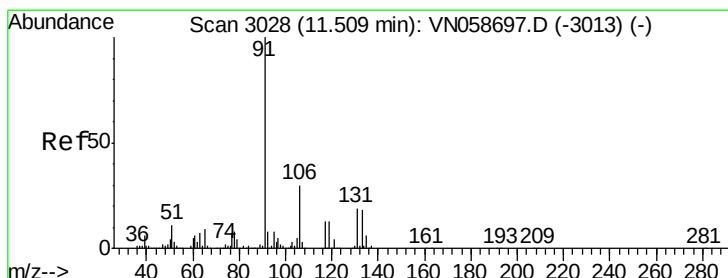
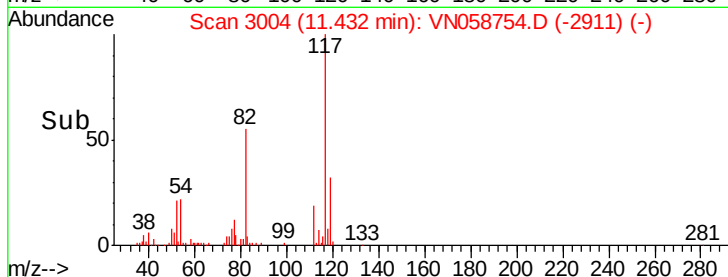
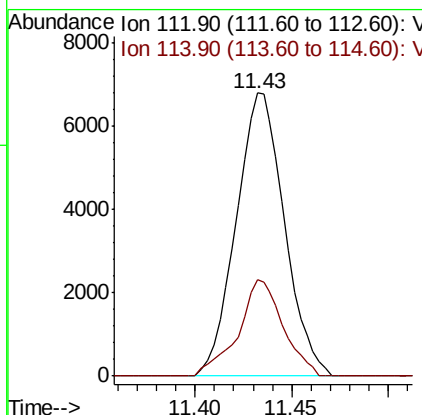
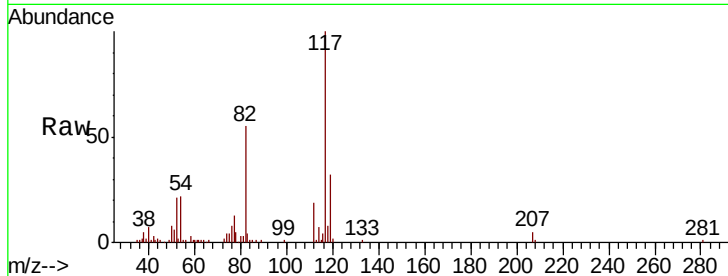




#65
Chlorobenzene
Concen: 1.039 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

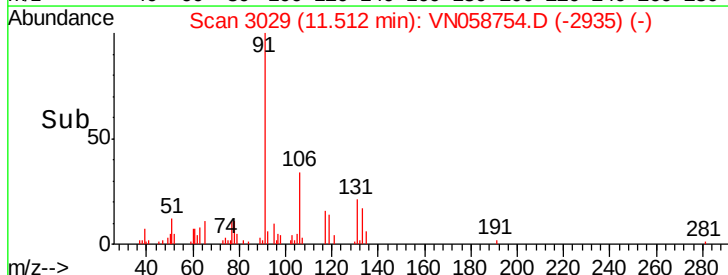
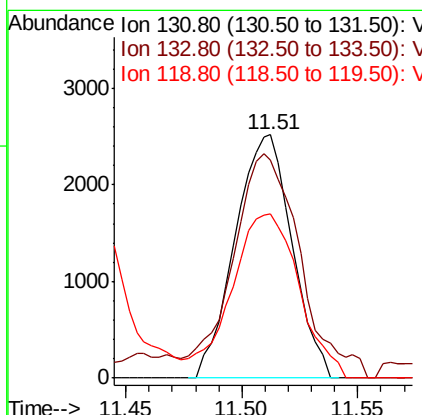
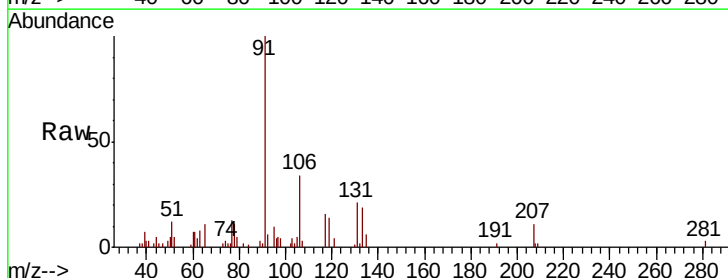
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

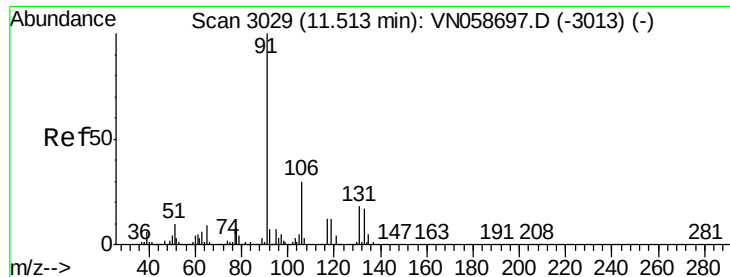
Tot Ion:112 Resp: 11758
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.022 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion:131 Resp: 4278
Ion Ratio Lower Upper
131 100
133 110.4 47.6 142.9
119 0.0 33.0 98.9#

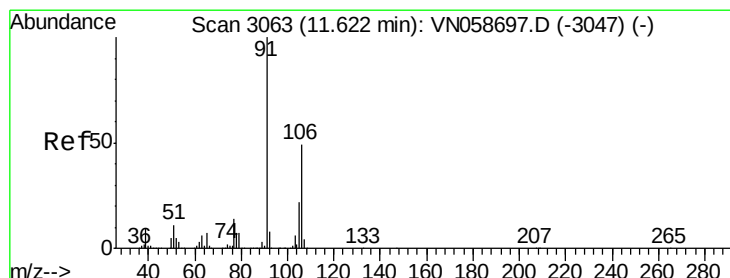
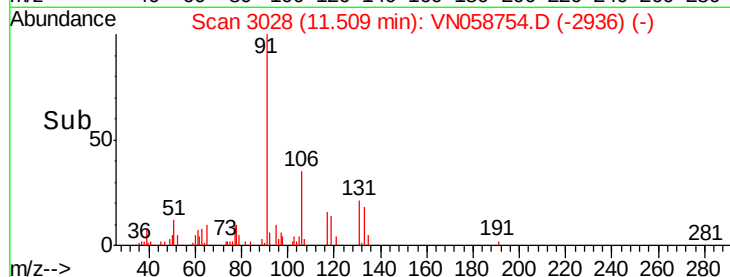
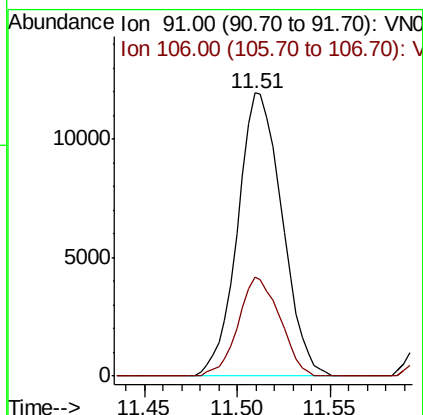
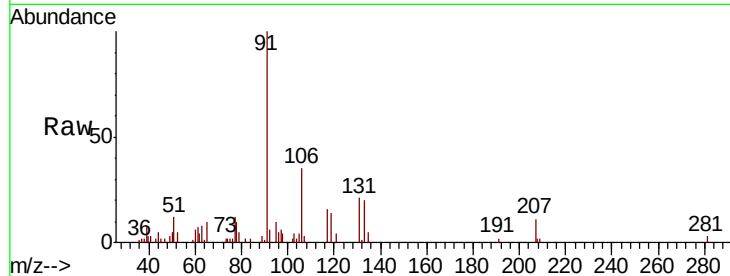




#67
Ethyl Benzene
Concen: 0.986 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

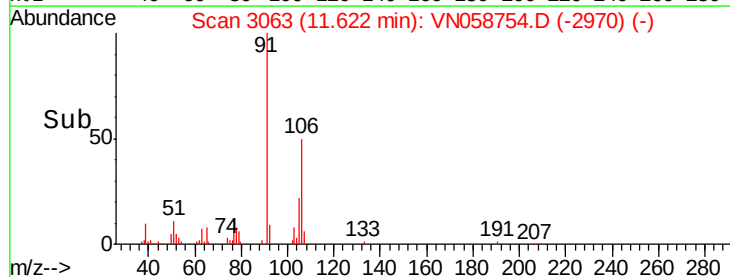
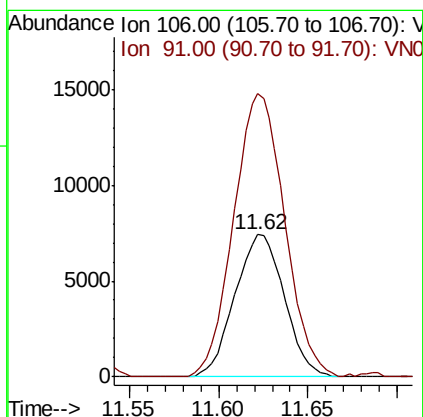
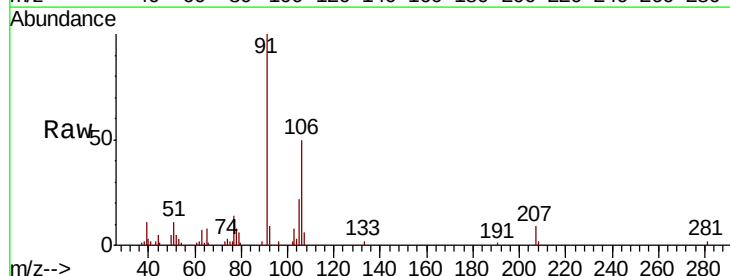
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

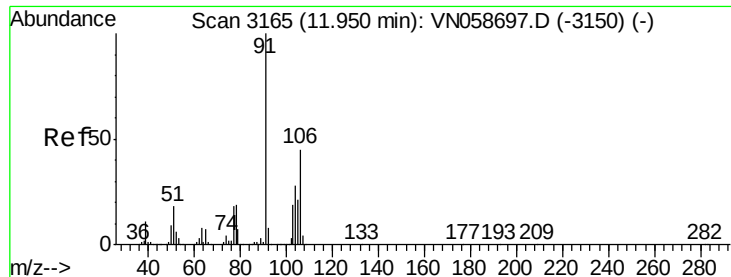
Tot Ion: 91 Resp: 19896
Ion Ratio Lower Upper
91 100
106 34.8 24.1 36.1



#68
m/p-Xylenes
Concen: 1.895 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 106 Resp: 14346
Ion Ratio Lower Upper
106 100
91 205.5 165.7 248.5

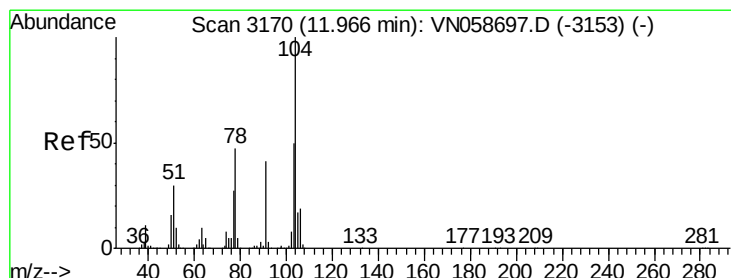
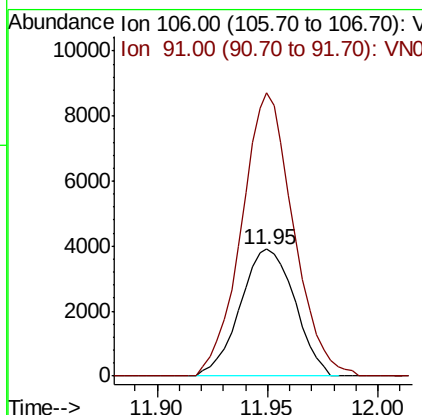
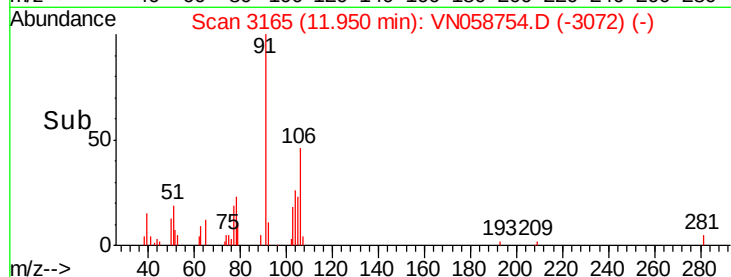
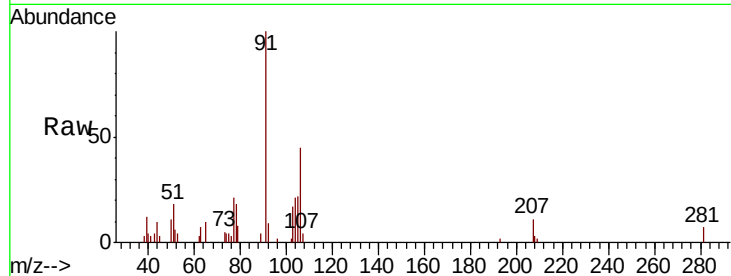




#69
o-Xylene
Concen: 0.915 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

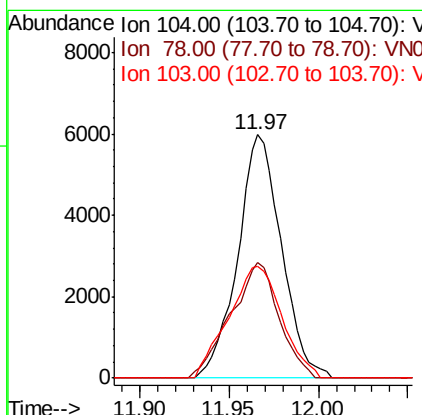
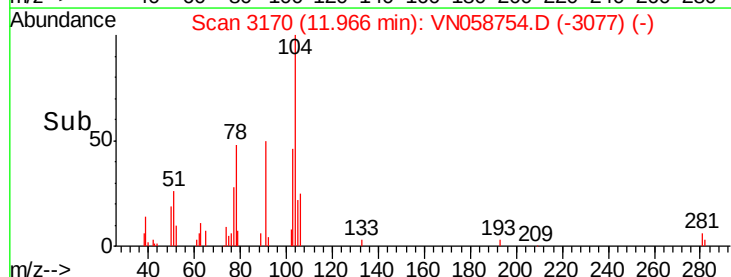
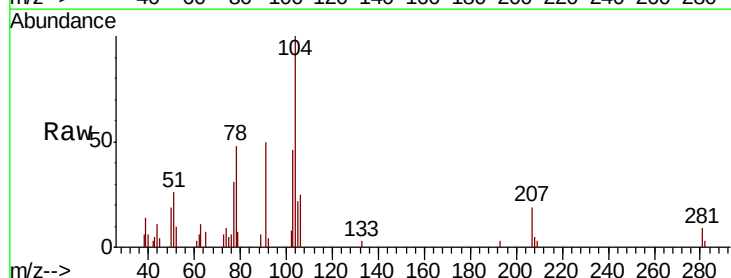
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

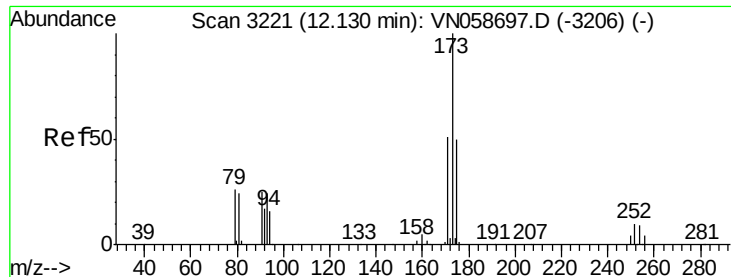
Tot Ion:106 Resp: 6700
Ion Ratio Lower Upper
106 100
91 211.9 110.9 332.9



#70
Styrene
Concen: 0.853 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion:104 Resp: 10236
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.2
103 55.9 43.7 65.5





#71

Bromoform

Concen: 0.933 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

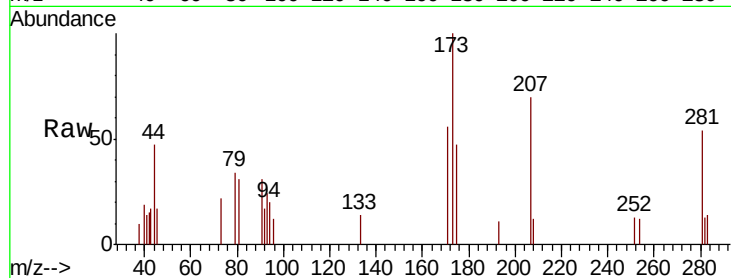
Tot Ion:173 Resp: 2862

Ion Ratio Lower Upper

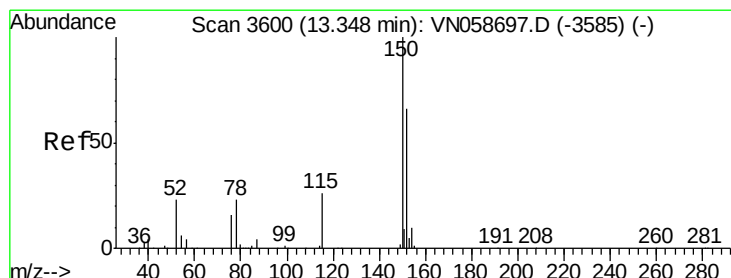
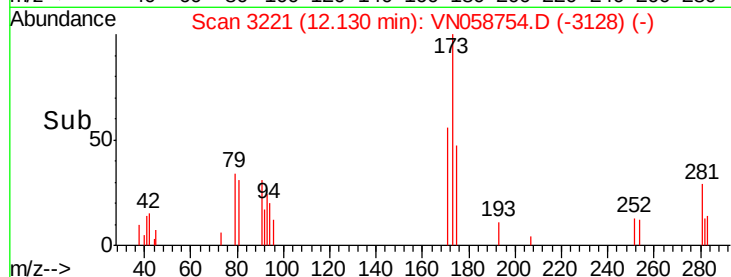
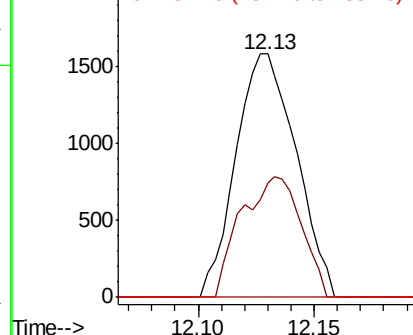
173 100

175 49.4 24.6 73.8

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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

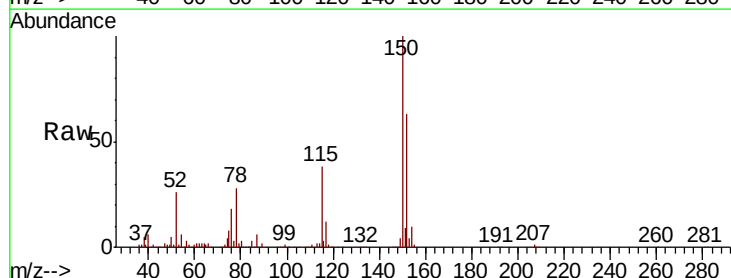
Tgt Ion:152 Resp: 233489

Ion Ratio Lower Upper

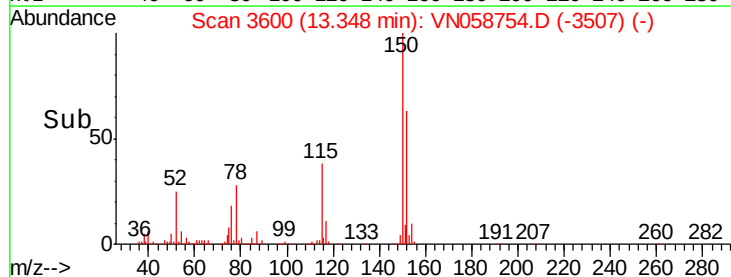
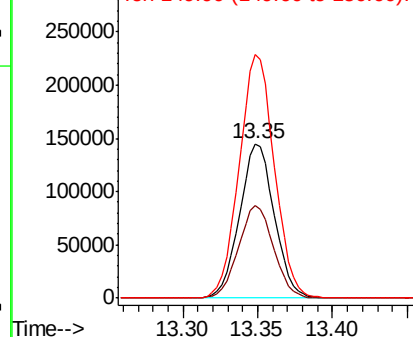
152 100

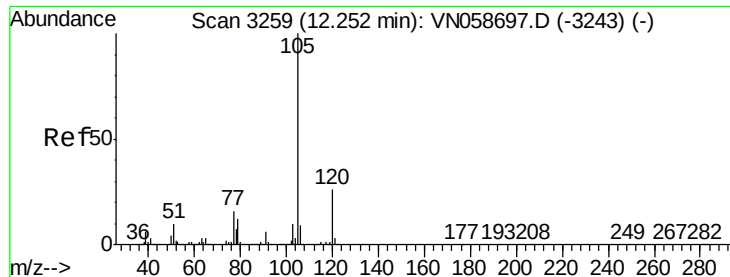
115 60.9 30.4 91.2

150 159.7 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.080 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

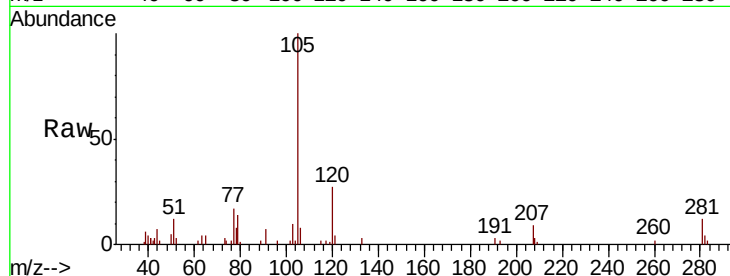
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 18259

Ion Ratio Lower Upper

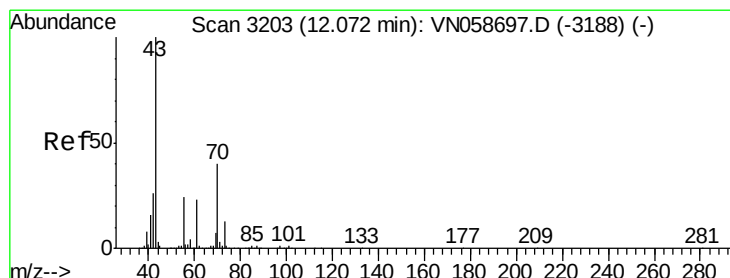
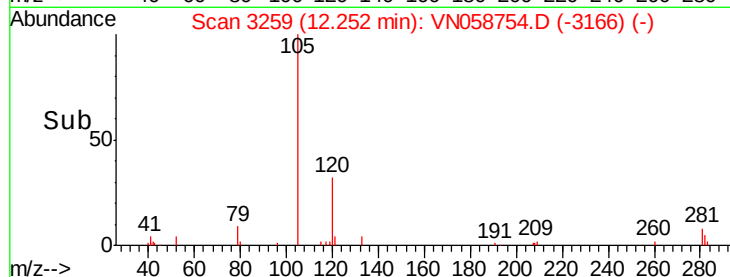
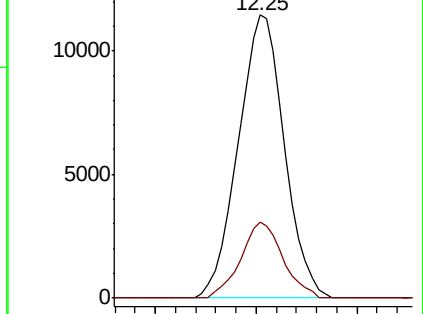
105 100

120 24.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.984 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Tgt Ion: 43 Resp: 7475

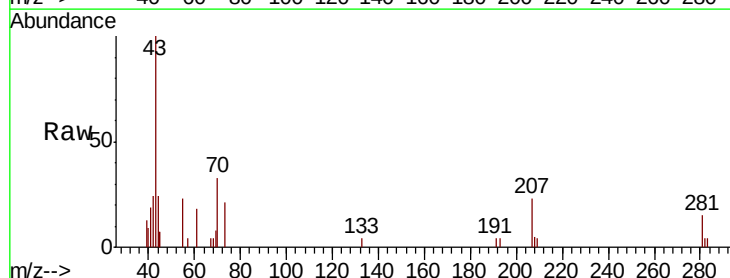
Ion Ratio Lower Upper

43 100

70 35.8 32.2 48.4

55 22.6 19.6 29.4

61 20.8 18.6 28.0

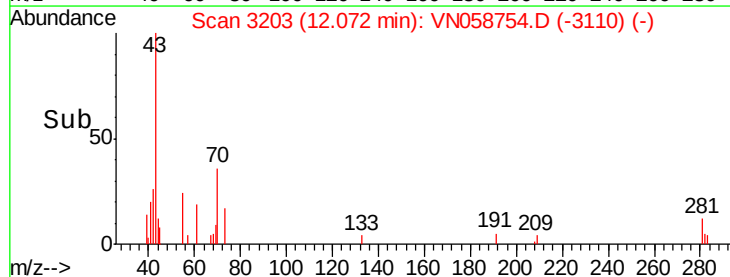
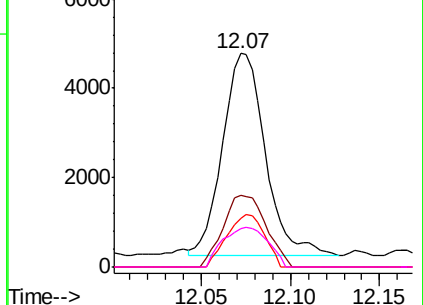


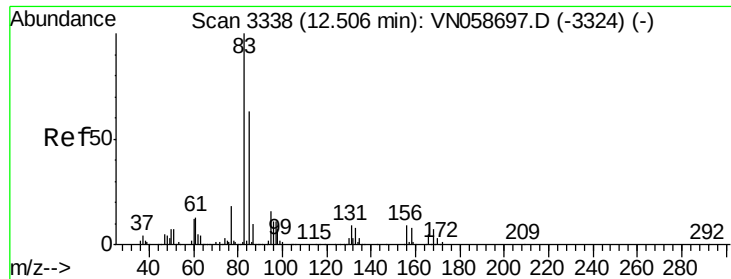
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.154 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

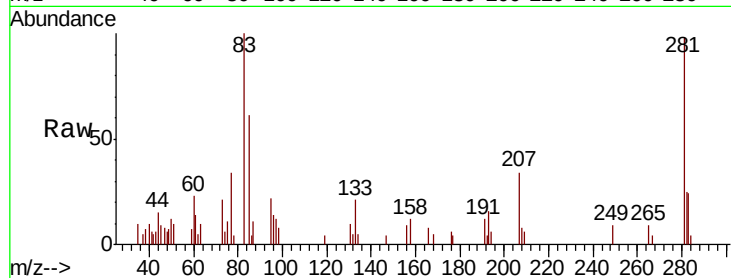
Tot Ion: 83 Resp: 6431

Ion Ratio Lower Upper

83 100

131 11.6 4.8 14.4

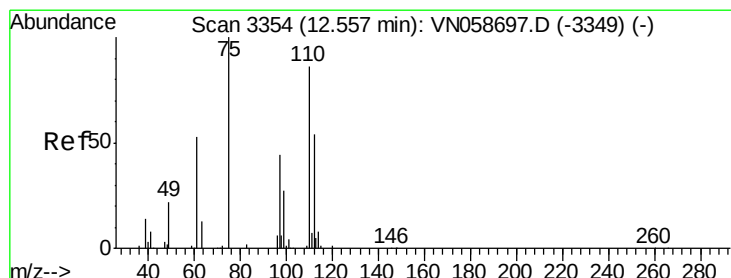
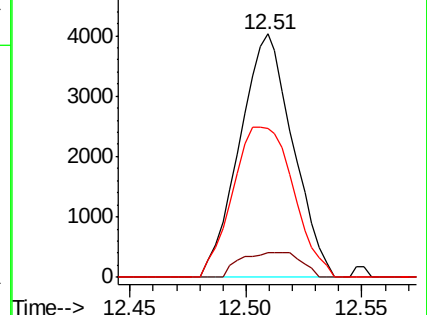
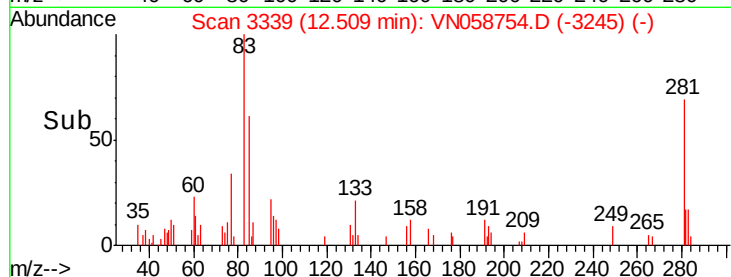
85 70.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.613 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058754.D

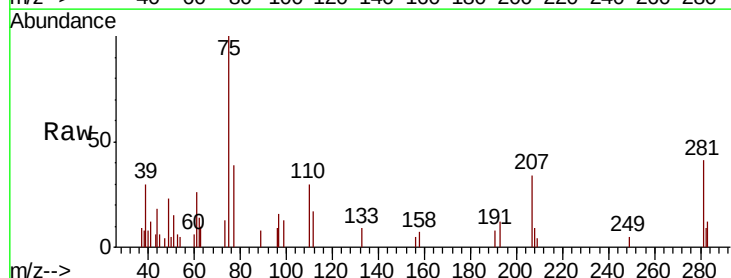
Acq: 14 Oct 2019 17:17

Tgt Ion: 75 Resp: 8261

Ion Ratio Lower Upper

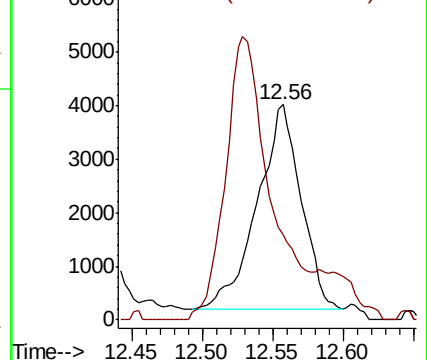
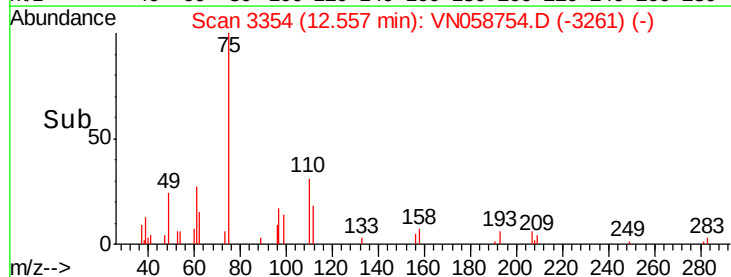
75 100

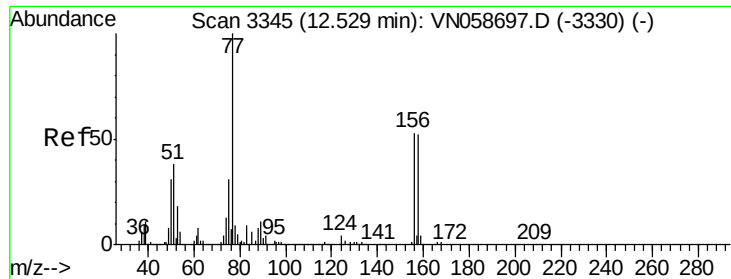
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.073 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

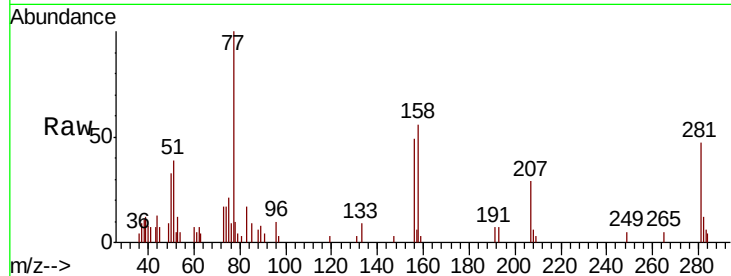
Tot Ion:156 Resp: 4414

Ion Ratio Lower Upper

156 100

77 263.4 115.8 347.3

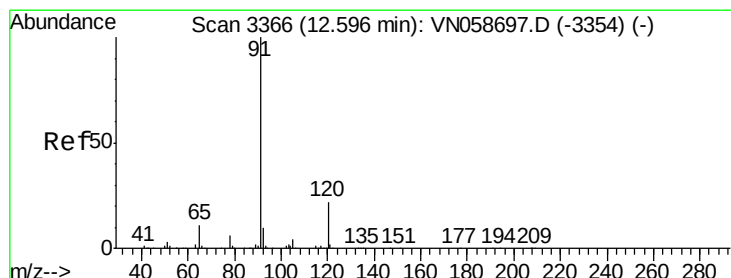
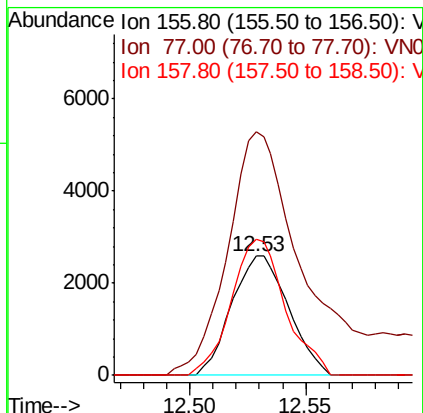
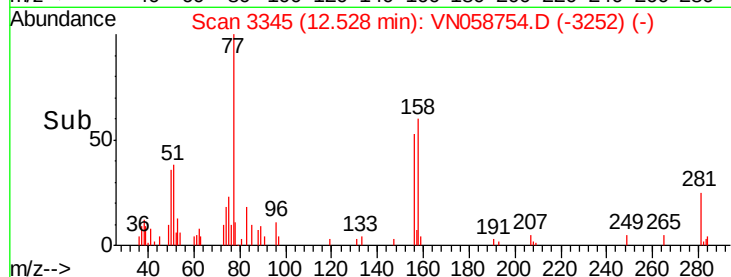
158 108.3 48.9 146.6



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: 1.052 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058754.D

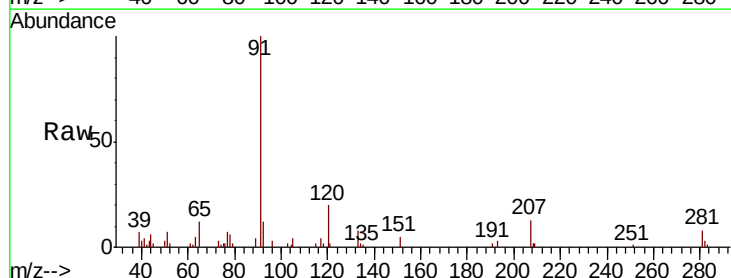
Acq: 14 Oct 2019 17:17

Tgt Ion: 91 Resp: 20723

Ion Ratio Lower Upper

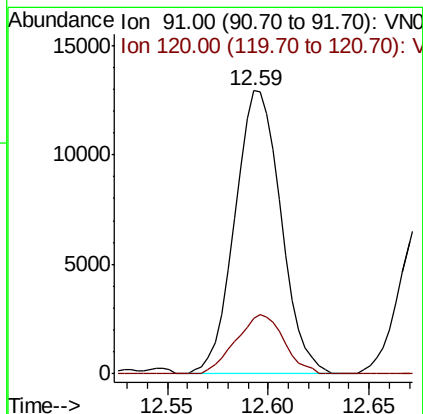
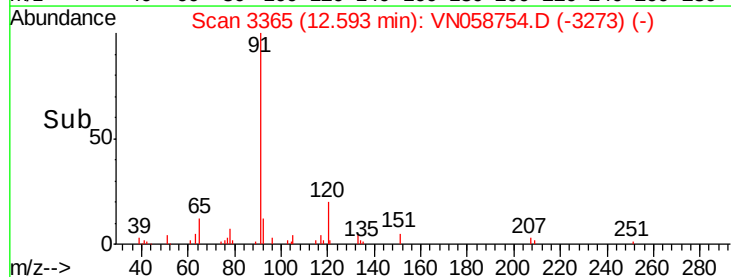
91 100

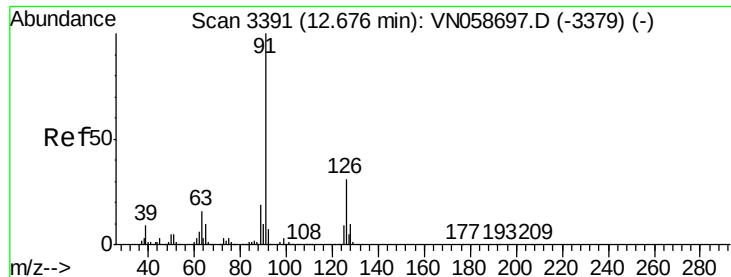
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

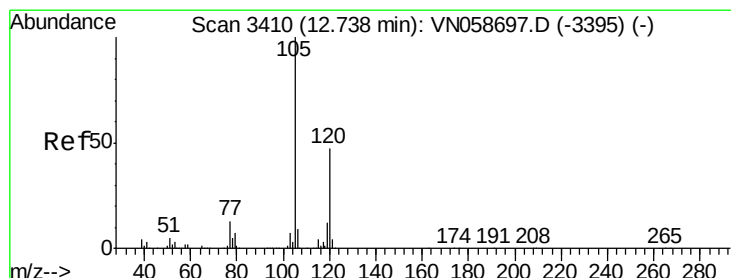
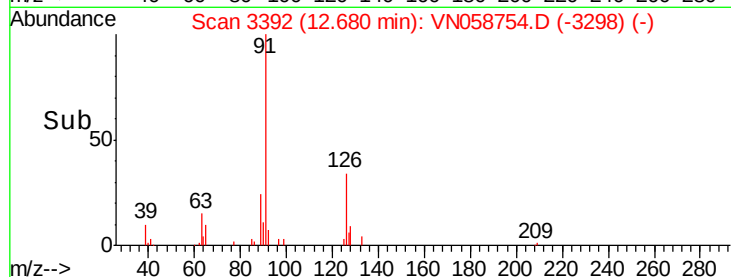
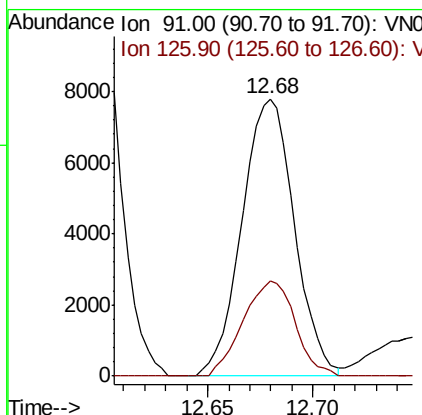
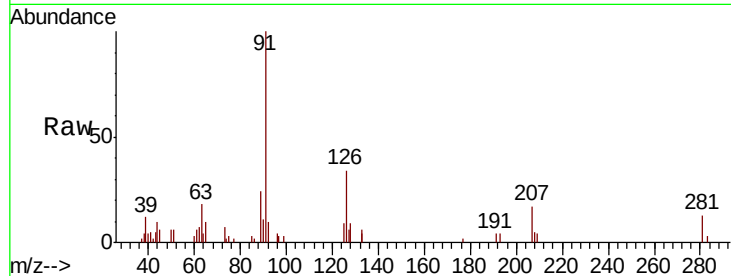




#79
 2-Chlorotoluene
 Concen: 1.102 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

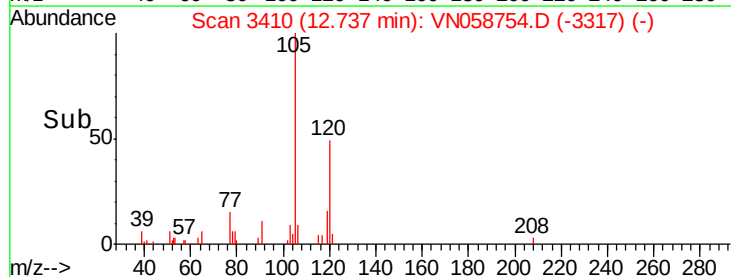
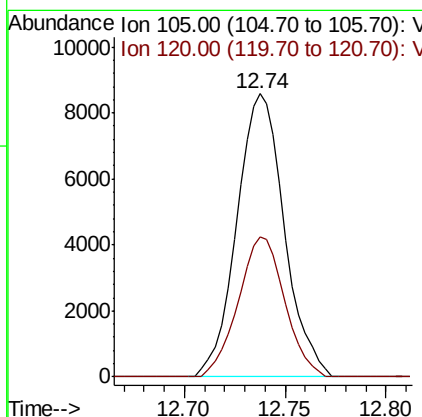
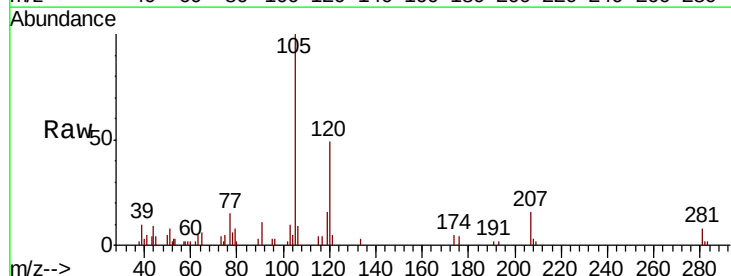
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

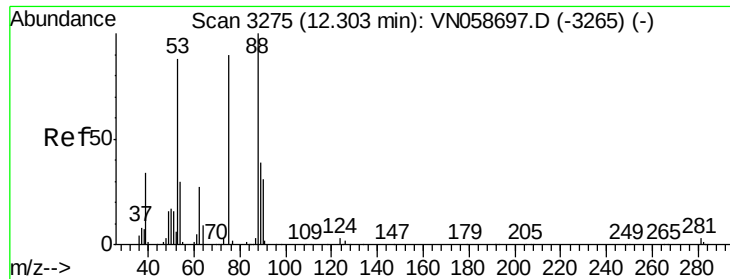
Tot Ion: 91 Resp: 13482
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 0.978 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 105 Resp: 14114
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.4 70.2

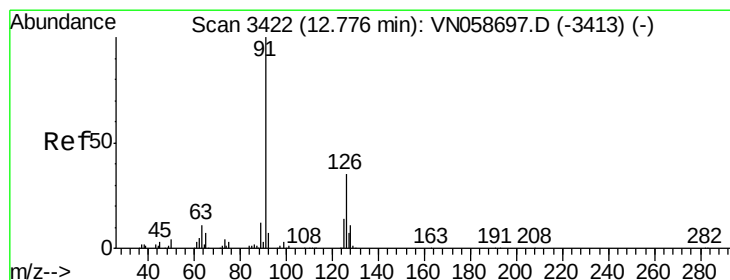
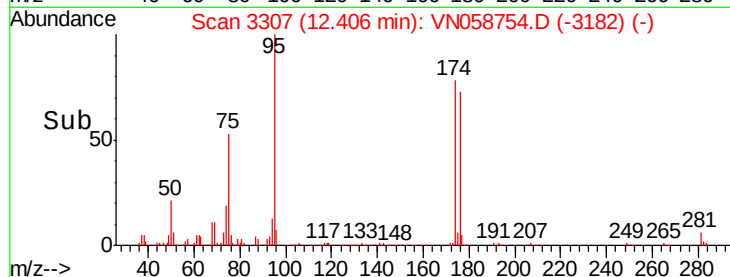
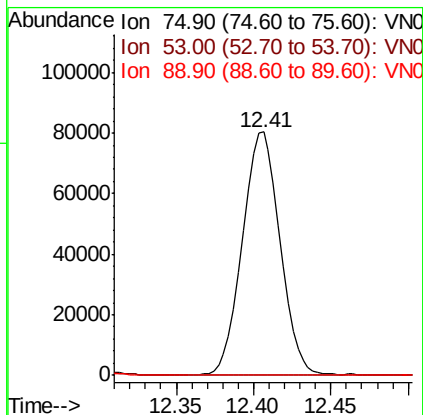
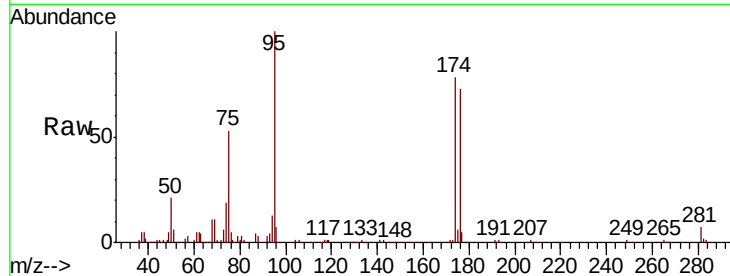




#81
trans-1,4-Dichloro-2-butene
Concen: 71.426 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

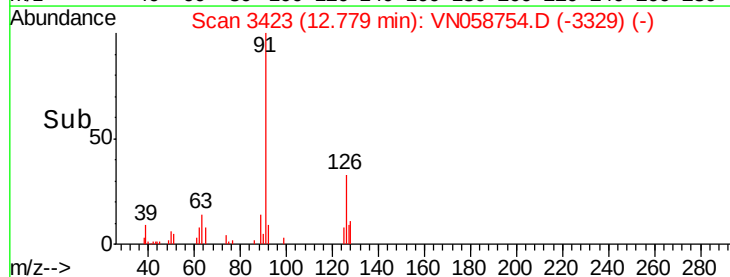
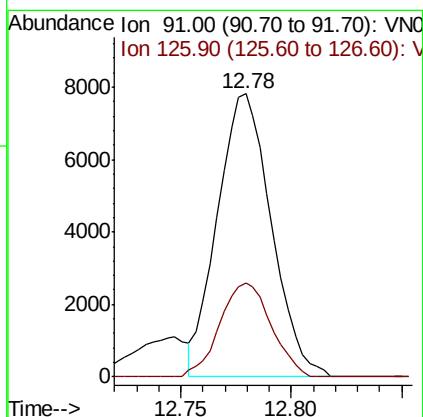
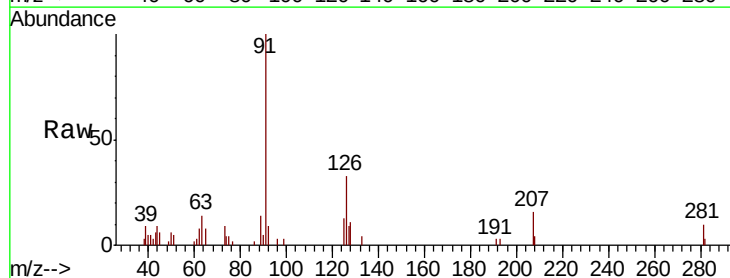
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

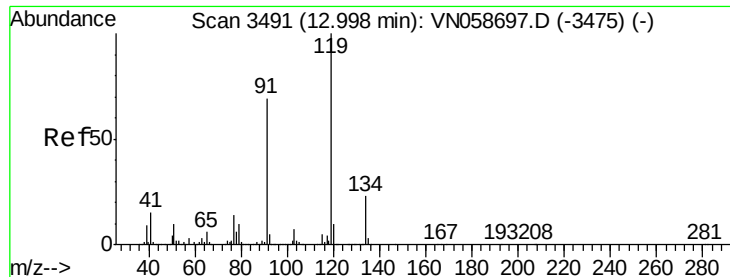
Tot Ion: 75 Resp: 136581
Ion Ratio Lower Upper
75 100
53 0.1 78.4 117.6#
89 0.0 34.9 52.3#



#82
4-Chlorotoluene
Concen: 1.055 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058754.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 91 Resp: 13237
Ion Ratio Lower Upper
91 100
126 31.5 15.9 47.6





#83

tert-Butylbenzene

Concen: 1.029 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

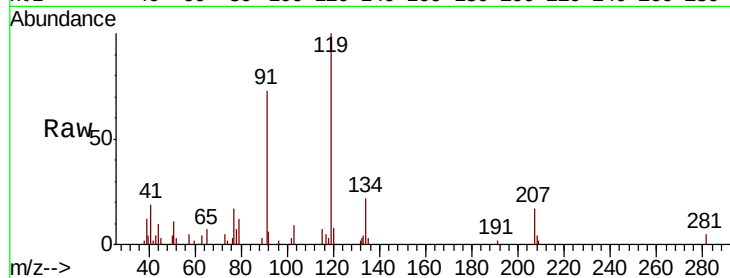
Tot Ion:119 Resp: 12722

Ion Ratio Lower Upper

119 100

91 70.9 33.8 101.3

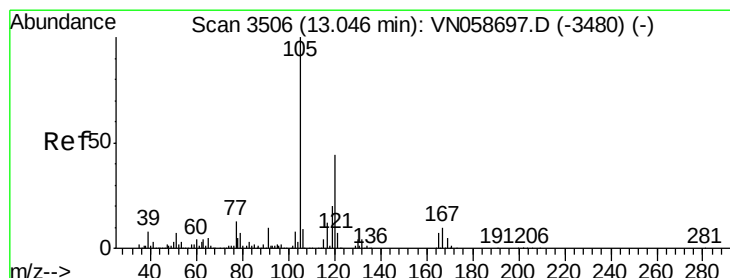
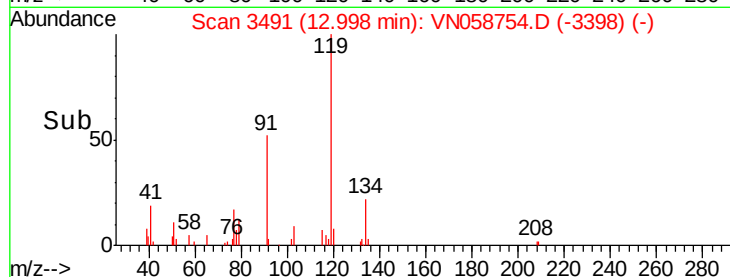
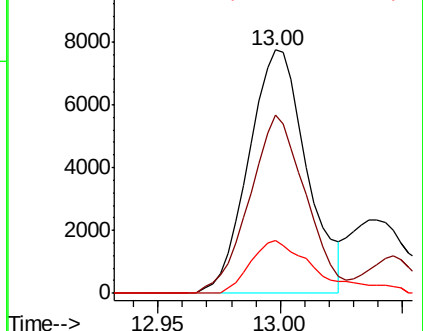
134 24.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.961 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058754.D

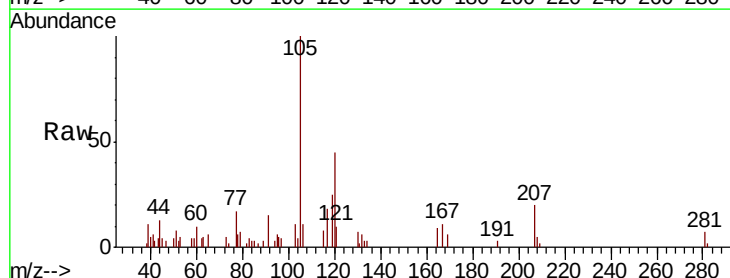
Acq: 14 Oct 2019 17:17

Tgt Ion:105 Resp: 13776

Ion Ratio Lower Upper

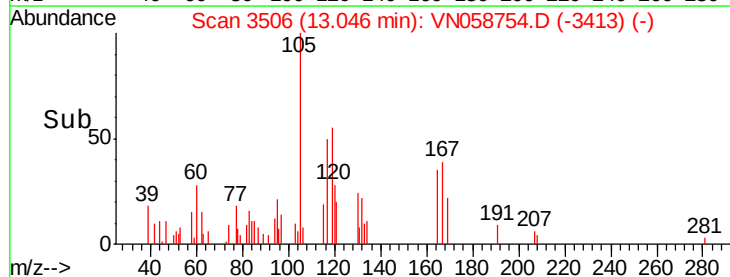
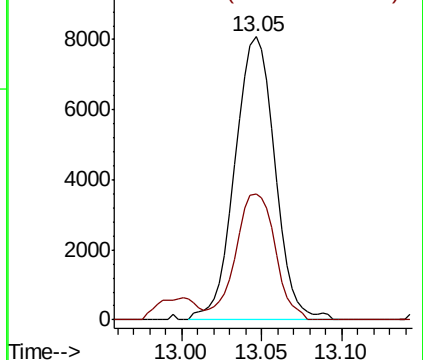
105 100

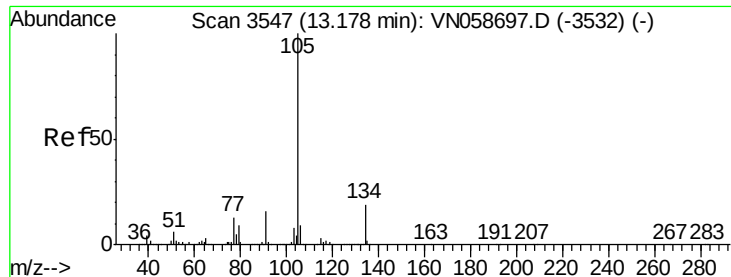
120 44.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.988 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

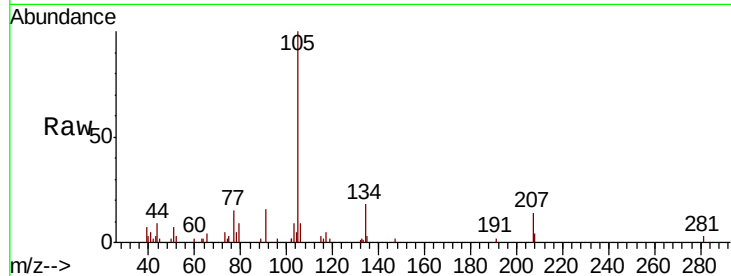
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 16093

Ion Ratio Lower Upper

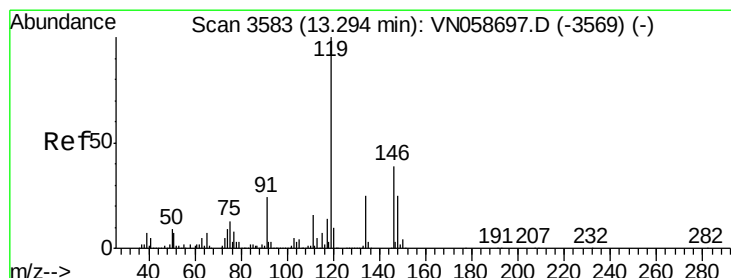
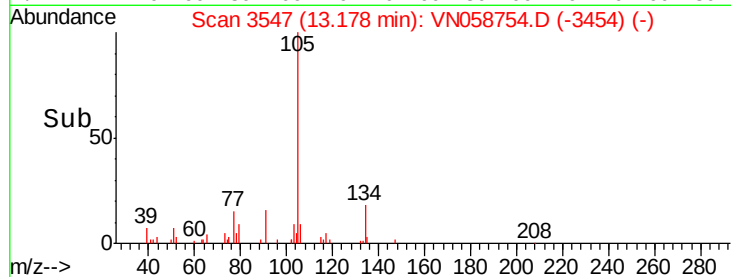
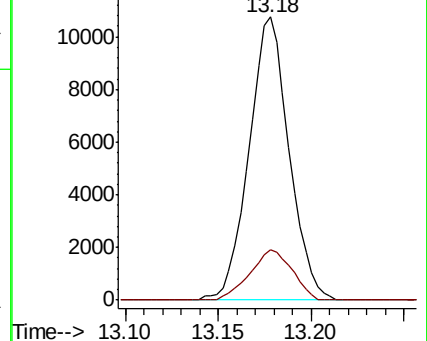
105 100

134 18.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.886 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

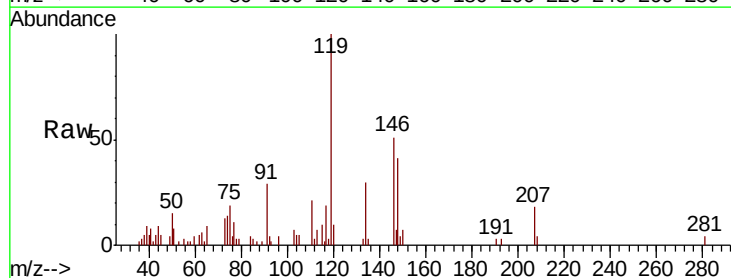
Tgt Ion:119 Resp: 13123

Ion Ratio Lower Upper

119 100

134 27.2 12.7 38.1

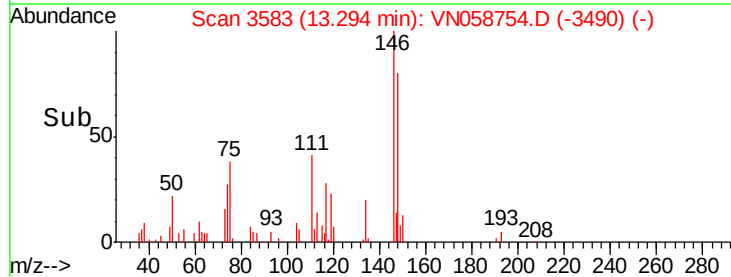
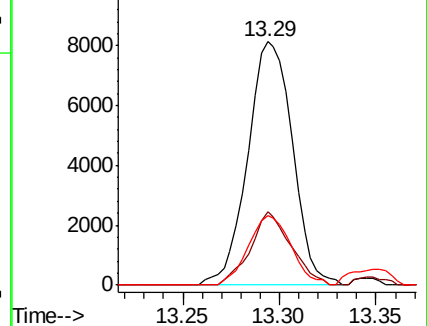
91 27.2 11.9 35.5

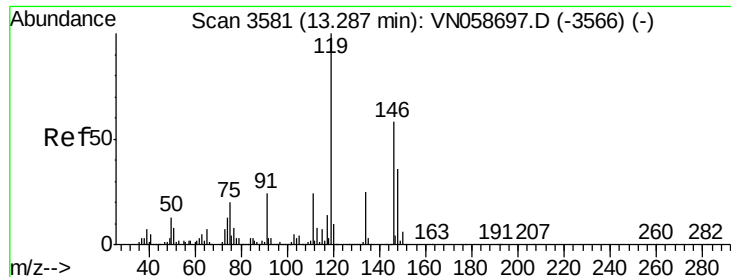


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.076 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

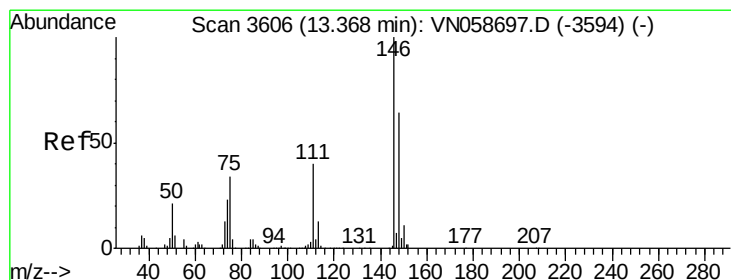
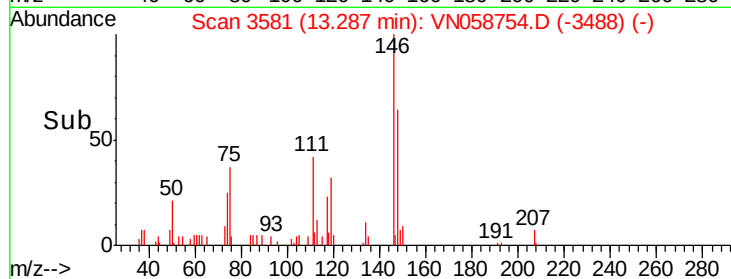
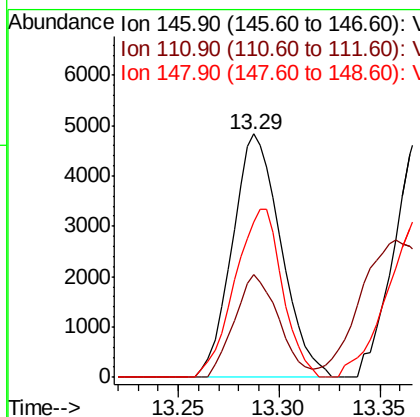
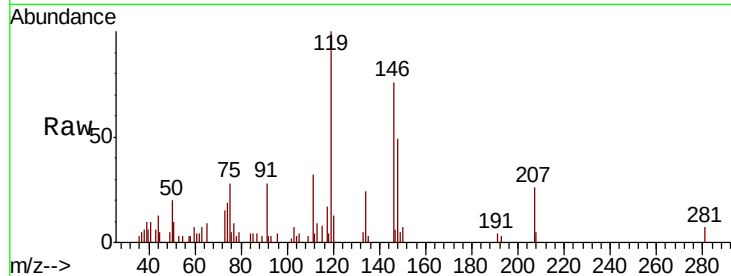
Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:146 Resp: 8158

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.5	61.6
148	67.7	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 1.058 ug/l

RT: 13.29 min Scan# 3581

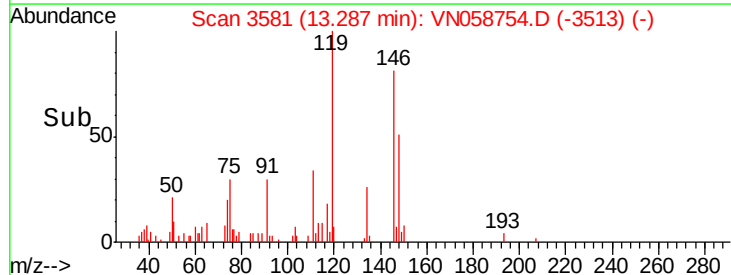
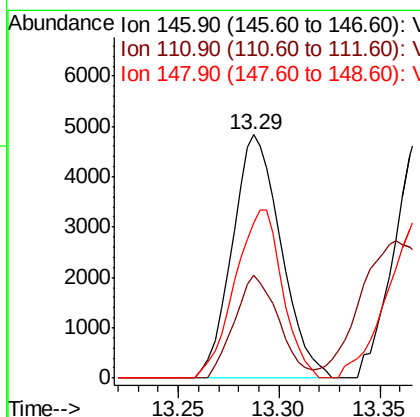
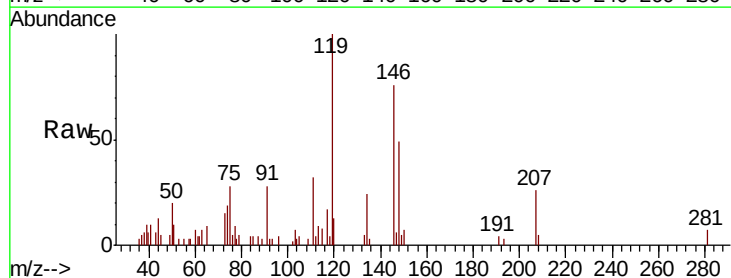
Delta R.T. -0.08 min

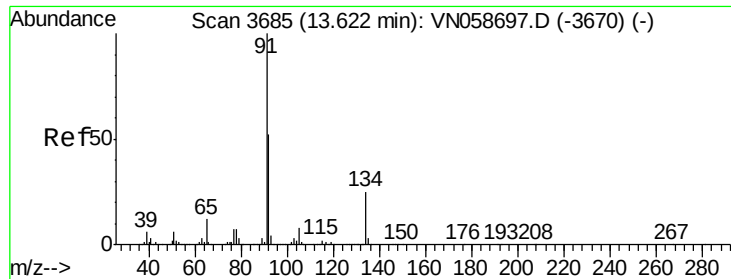
Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Tgt Ion:146 Resp: 8158

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	67.7	31.9	95.7





#89

n-Butylbenzene

Concen: 0.882 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

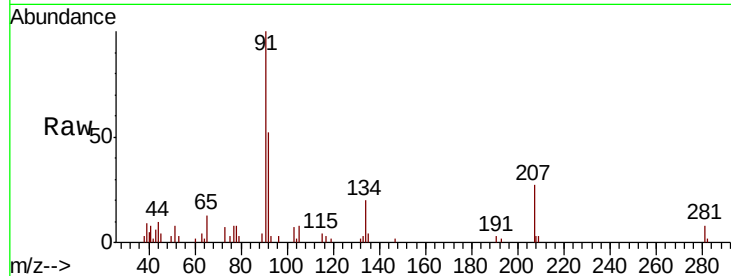
Tot Ion: 91 Resp: 12075

Ion Ratio Lower Upper

91 100

92 53.4 26.0 78.0

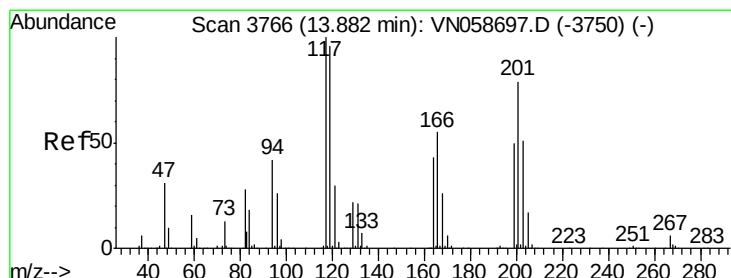
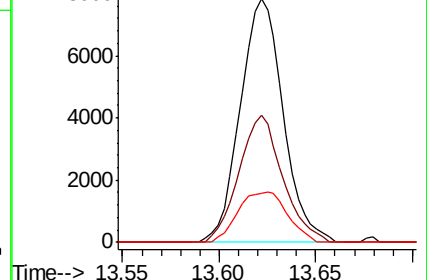
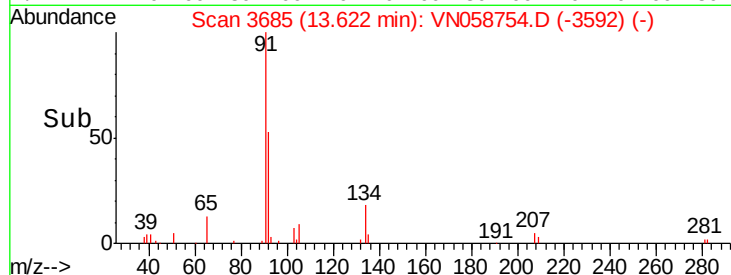
134 23.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058754.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058754.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058754.D (-3670) (-)



#90

Hexachloroethane

Concen: 1.112 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058754.D

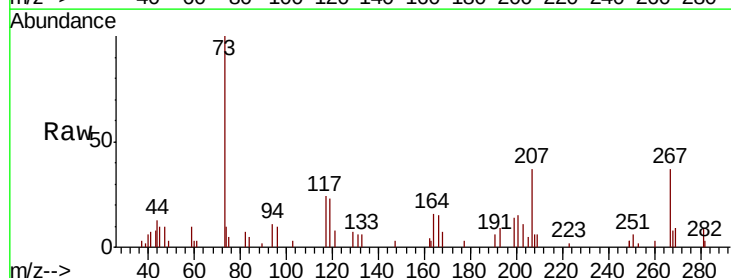
Acq: 14 Oct 2019 17:17

Tgt Ion: 117 Resp: 2948

Ion Ratio Lower Upper

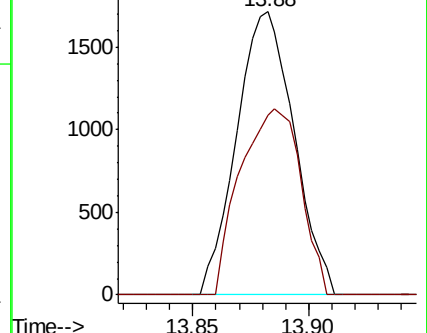
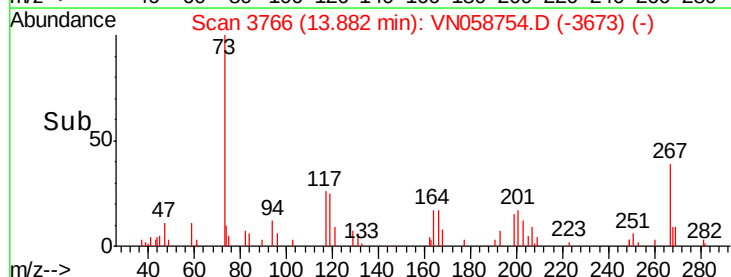
117 100

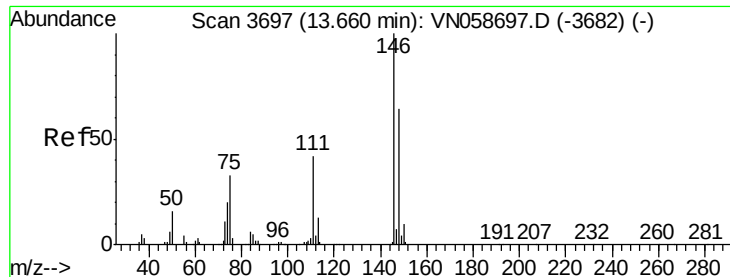
201 69.5 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058754.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058754.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 1.073 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

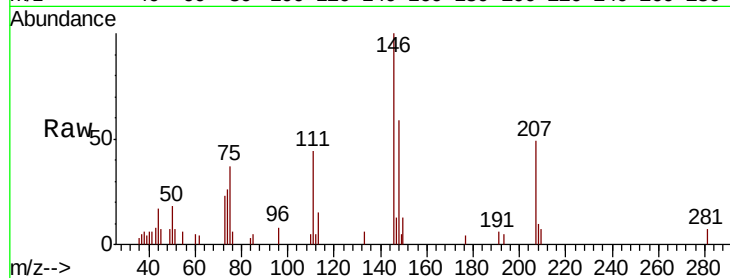
Tot Ion:146 Resp: 7929

Ion Ratio Lower Upper

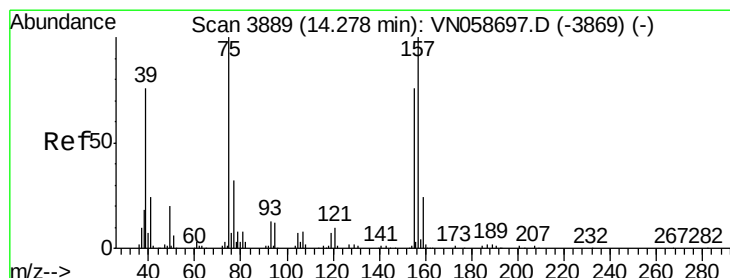
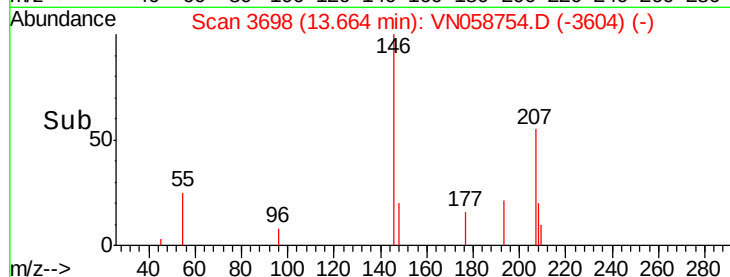
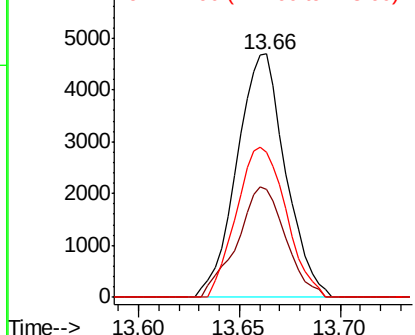
146 100

111 44.9 21.1 63.4

148 62.9 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.432 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

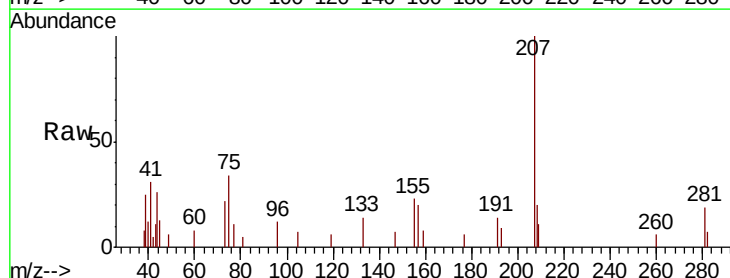
Tgt Ion: 75 Resp: 1864

Ion Ratio Lower Upper

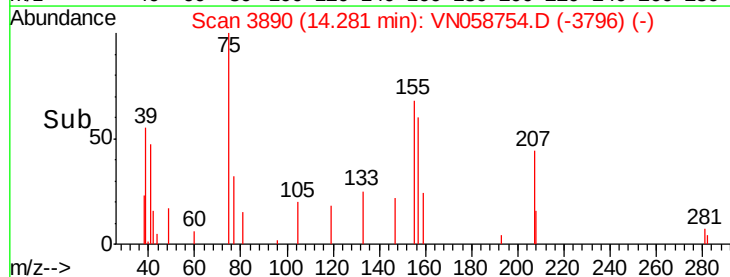
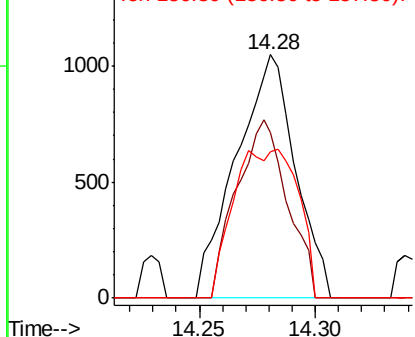
75 100

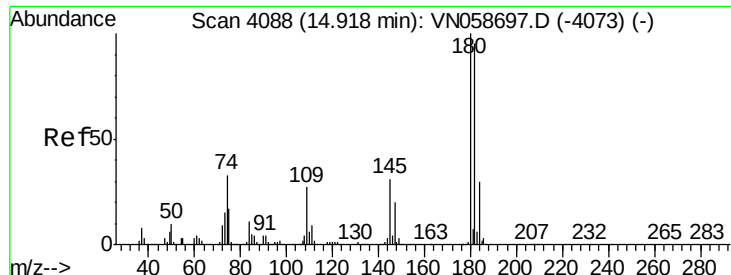
155 62.9 37.9 113.6

157 34.1 49.4 148.2#



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

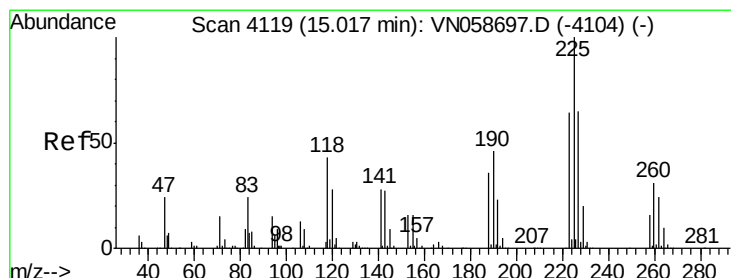
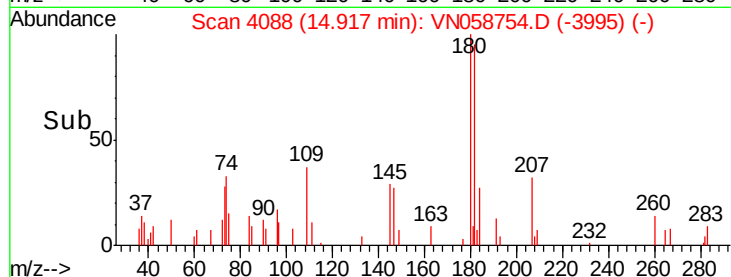
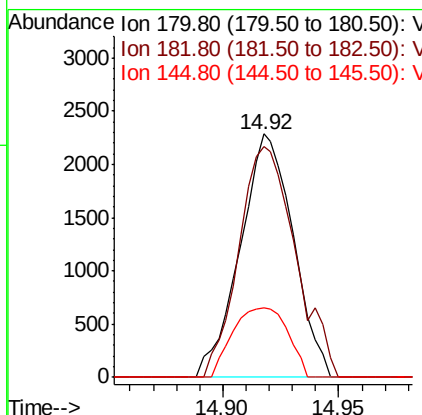
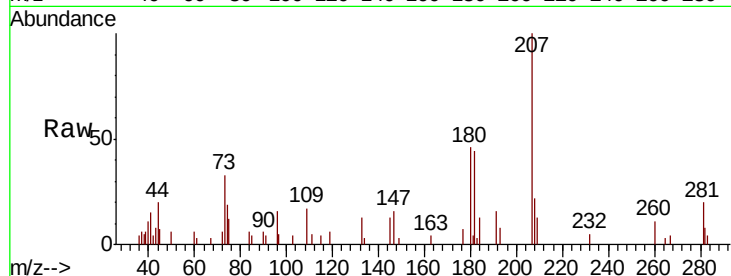




#93
 1,2,4-Trichlorobenzene
 Concen: 0.804 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

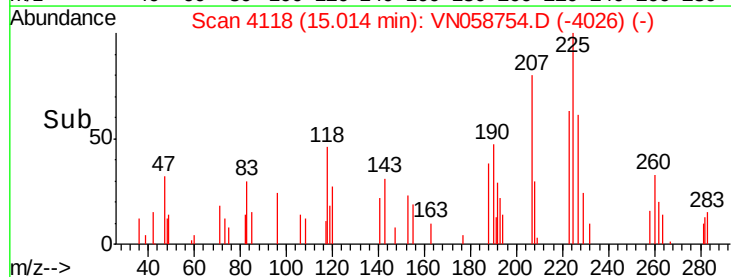
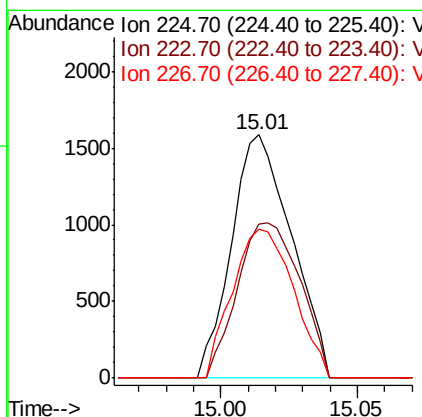
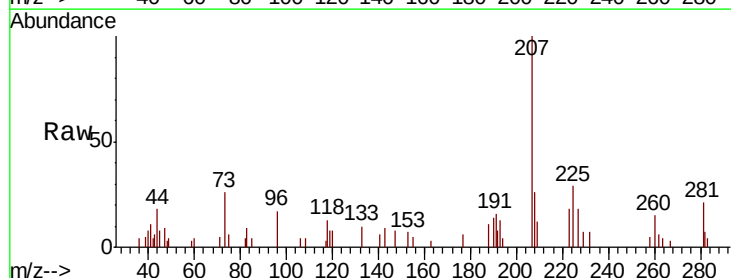
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

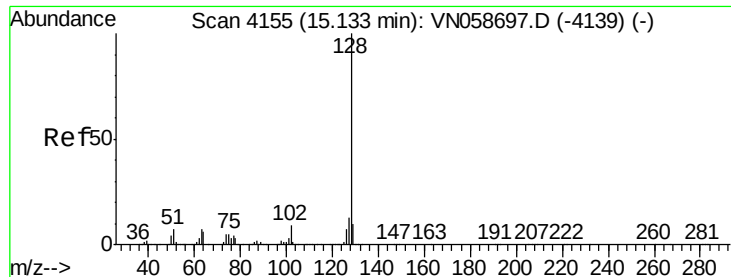
Tot Ion:180 Resp: 3628
 Ion Ratio Lower Upper
 180 100
 182 101.2 47.4 142.2
 145 29.7 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.020 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058754.D
 Acq: 14 Oct 2019 17:17

Tgt Ion:225 Resp: 2423
 Ion Ratio Lower Upper
 225 100
 223 66.7 32.3 96.8
 227 62.4 32.4 97.0





#95

Naphthalene

Concen: 0.879 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

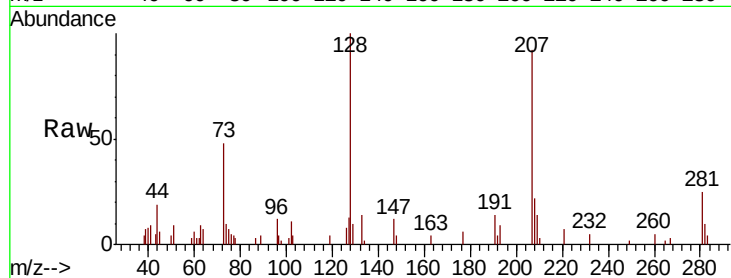
Tot Ion:128 Resp: 11398

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

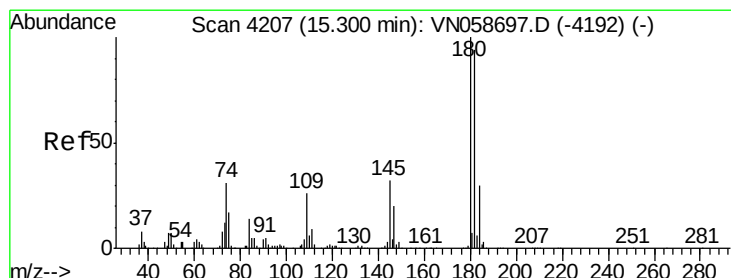
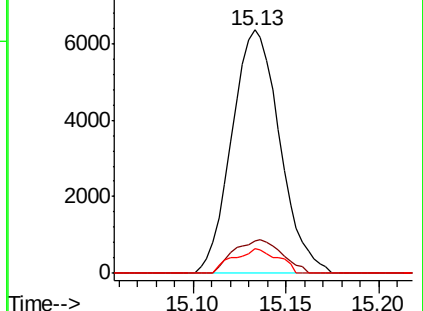
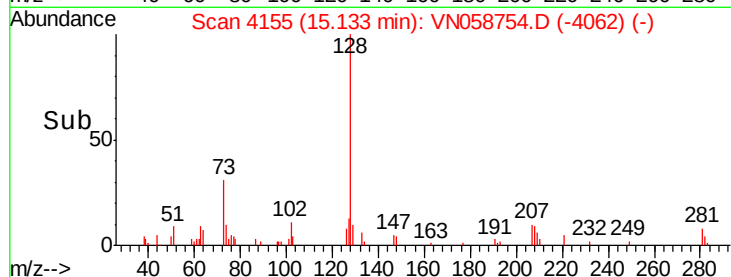
129 9.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.899 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058754.D

Acq: 14 Oct 2019 17:17

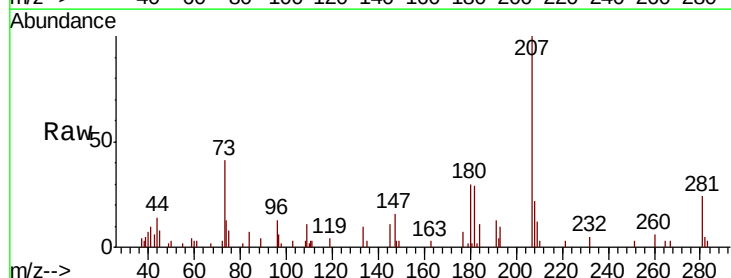
Tgt Ion:180 Resp: 3959

Ion Ratio Lower Upper

180 100

182 95.0 47.3 142.0

145 39.8 16.2 48.6



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

