

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056585.D
 Acq On : 3 Jul 2019 14:11
 Operator : JC/SP
 Sample : K3591-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 03 22:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	47744	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	265954	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224622	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101627	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	12.40	95	94829	27.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.57%
63) Toluene-d8	10.09	98	323459	30.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	11407	4.764	ug/l 99
3) Chloromethane	2.06	50	18181	5.232	ug/l 97
4) Vinyl Chloride	2.18	62	16411	5.018	ug/l 99
5) Bromomethane	2.53	94	11514	6.598	ug/l 97
6) Chloroethane	2.68	64	9422	5.202	ug/l 96
7) Trichlorofluoromethane	3.00	101	21617	5.149	ug/l 94
8) Diethyl Ether	3.41	74	9409	5.284	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	13957	5.247	ug/l 91
10) 1,1-Dichloroethene	3.73	96	13498	5.172	ug/l 97
11) Methyl Iodide	3.95	142	17414	4.666	ug/l 100
12) Methyl Acetate	4.33	43	22695	6.448	ug/l 99
13) Acrolein	3.61	56	11451	33.322	ug/l 93
14) Acrylonitrile	4.99	53	39738	25.714	ug/l 98
15) Acetone	3.82	58	11558	26.805	ug/l 86
16) Carbon Disulfide	4.05	76	29559	4.710	ug/l 100
17) Allyl chloride	4.32	41	22255	4.873	ug/l 98
18) Methylene Chloride	4.55	84	16834	5.456	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	14678	5.185	ug/l 98
20) Diisopropyl ether	5.95	45	49231	5.218	ug/l 91
21) 1,1-Dichloroethane	5.85	63	27623	5.190	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	16979	5.101	ug/l # 81
23) tert-Butyl Alcohol	4.80	59	14259	24.666	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	44449	5.149	ug/l # 76
25) Chloroform	7.37	83	27711	5.312	ug/l 98
26) Cyclohexane	7.65	56	25004	5.100	ug/l # 91
29) 1,1-Dichloropropene	7.79	75	20086	5.115	ug/l 96
30) 2-Butanone	6.84	43	53595	24.617	ug/l 97
31) 2,2-Dichloropropane	6.83	77	17669	4.679	ug/l # 75
32) 1,1,1-Trichloroethane	7.57	97	20838	4.977	ug/l 99
33) Carbon Tetrachloride	7.77	117	16775	4.726	ug/l 96
34) Benzene	8.04	78	63805	5.196	ug/l # 71
35) Methacrylonitrile	7.18	41	10255	5.304	ug/l 94
36) 1,2-Dichloroethane	8.13	62	21760	5.452	ug/l # 83
37) Trichloroethene	8.84	130	16501	5.152	ug/l 98
38) Methylcyclohexane	9.08	83	23631	4.801	ug/l 96
39) 1,2-Dichloropropane	9.12	63	17225	5.210	ug/l 97
40) Dibromomethane	9.21	93	10175	4.979	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	17769	4.692	ug/l	94
42) Vinyl Acetate	5.90	43	180440	23.276	ug/l	96
43) Ethyl Acetate	6.94	43	21541	5.115	ug/l #	83
44) Isopropyl Acetate	8.17	43	32033	4.875	ug/l	100
45) 1,4-Dioxane	9.20	88	6409	99.683	ug/l #	85
46) Methyl methacrylate	9.20	41	16498	5.110	ug/l	95
47) n-amyl Acetate	12.07	43	23267	4.260	ug/l	93
48) t-1,3-Dichloropropene	10.38	75	17116	4.217	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	20606	4.401	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	15397	5.115	ug/l	93
51) Ethyl methacrylate	10.43	69	22536	4.753	ug/l	93
52) 1,3-Dichloropropane	10.71	76	27466	5.369	ug/l	98
53) Dibromochloromethane	10.90	129	13230	4.484	ug/l	97
54) 1,2-Dibromoethane	11.00	107	14852	4.735	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	55990	23.174	ug/l	97
56) Bromoform	12.13	173	8695	4.055	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	109252	27.052	ug/l	95
59) 2-Hexanone	10.75	43	75200	25.093	ug/l	98
61) Tetrachloroethene	10.63	164	15509	5.501	ug/l	98
62) Toluene	10.16	91	66860	5.333	ug/l	99
64) Chlorobenzene	11.43	112	39114	5.179	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	13700	5.037	ug/l	98
66) Ethyl Benzene	11.51	91	69299	5.098	ug/l	100
67) m/p-Xylenes	11.62	106	50572	10.081	ug/l	95
68) o-Xylene	11.95	106	25811	5.203	ug/l	100
69) Styrene	11.96	104	37784	4.578	ug/l	96
70) Isopropylbenzene	12.25	105	65828	5.086	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	22363	5.226	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	24557	6.824	ug/l	68
73) Bromobenzene	12.53	156	15963	4.782	ug/l	87
74) n-propylbenzene	12.59	91	69797	4.753	ug/l	96
75) 2-Chlorotoluene	12.67	91	43714	4.978	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	53988	4.926	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	4096	3.554	ug/l	77
78) 4-Chlorotoluene	12.77	91	40114	4.697	ug/l	96
79) tert-butylbenzene	12.99	119	46953	5.014	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	51944	4.798	ug/l	99
81) sec-Butylbenzene	13.17	105	58937	4.746	ug/l	98
82) p-Isopropyltoluene	13.29	119	51477	4.611	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	25378	4.578	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	22186	4.149	ug/l	97
85) n-Butylbenzene	13.61	91	38812	4.136	ug/l	97
86) Hexachloroethane	13.87	117	6882	4.088	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	25663	4.559	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.26	75	3233	4.216	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	10411	3.346	ug/l	99
90) Hexachlorobutadiene	15.01	225	9317	4.819	ug/l	98
91) Naphthalene	15.13	128	27940	3.200	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	11891	3.640	ug/l	96

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QLast Update : Wed Jul 03 11:05:14 2019
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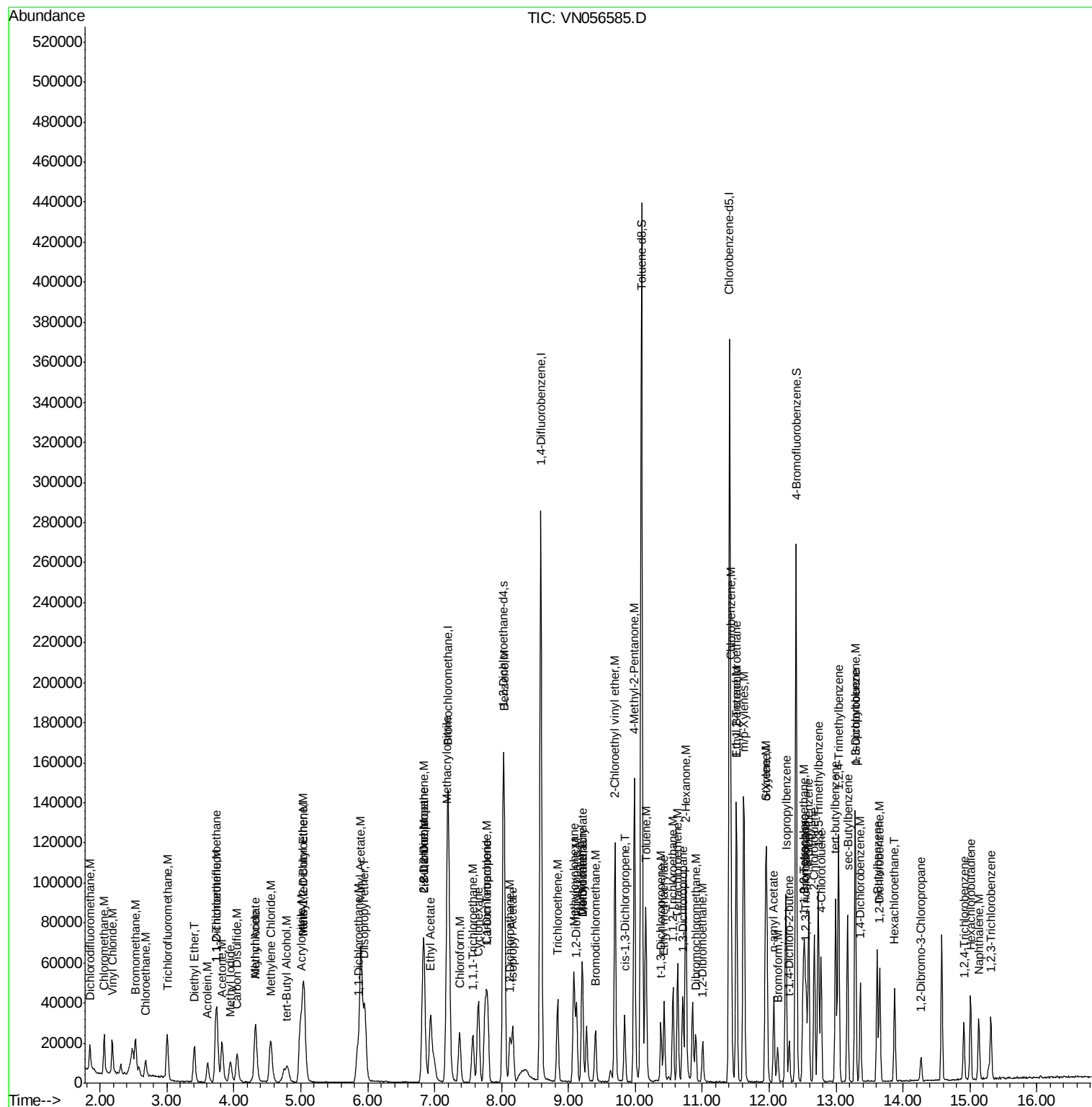
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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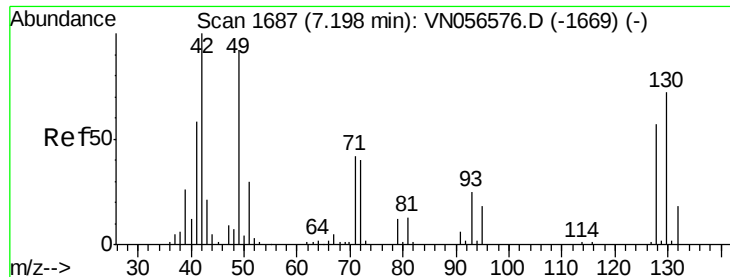
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jul 03 22:21:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

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

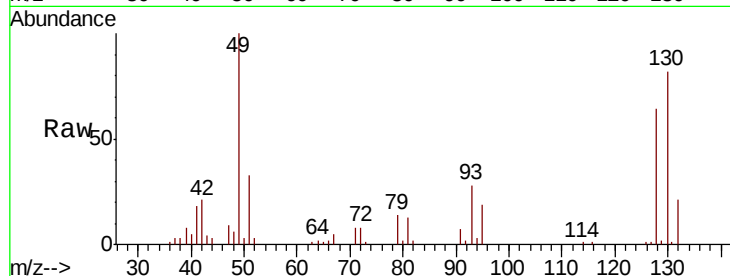
Tot Ion:128 Resp: 47744

Ion Ratio Lower Upper

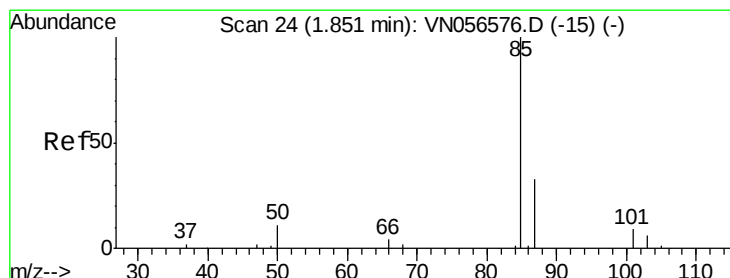
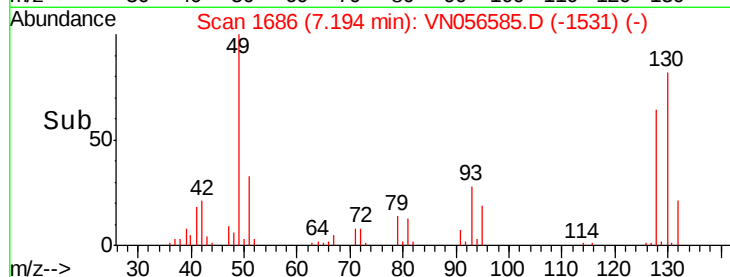
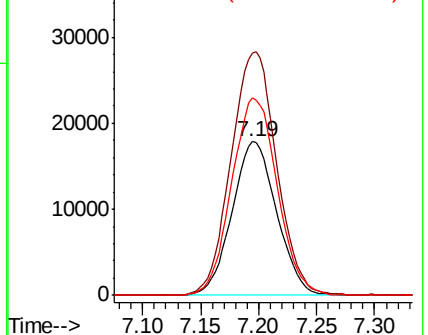
128 100

49 162.2 0.0 355.8

130 131.5 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.764 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056585.D

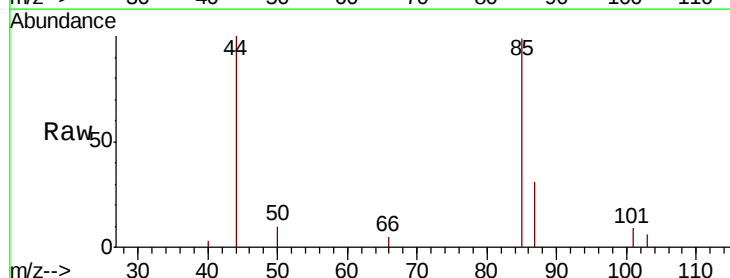
Acq: 3 Jul 2019 14:11

Tgt Ion: 85 Resp: 11407

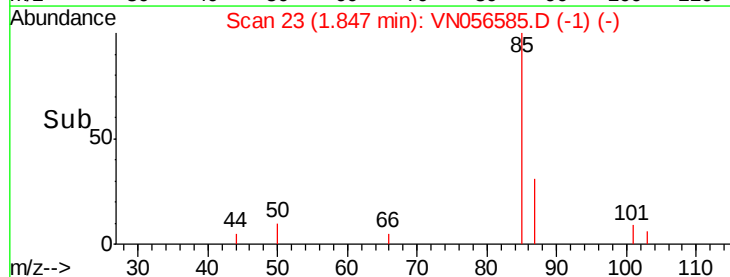
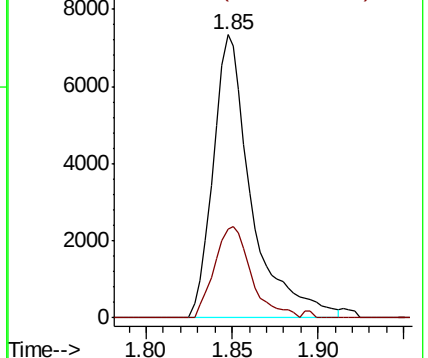
Ion Ratio Lower Upper

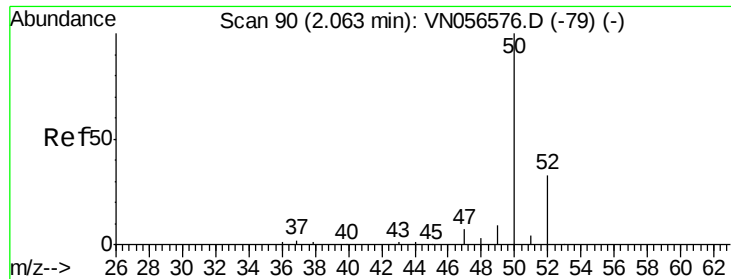
85 100

87 31.5 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 5.232 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

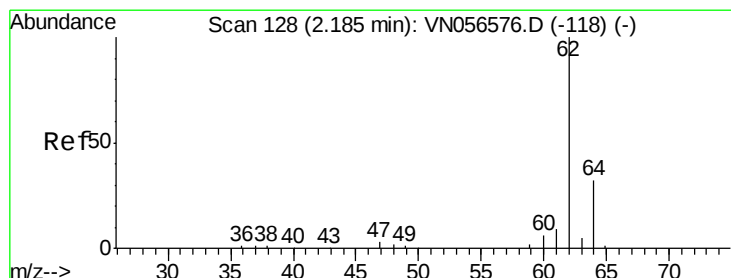
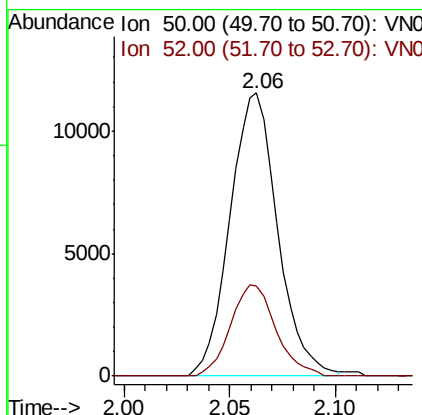
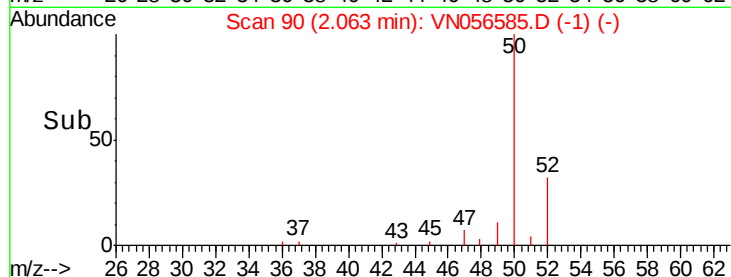
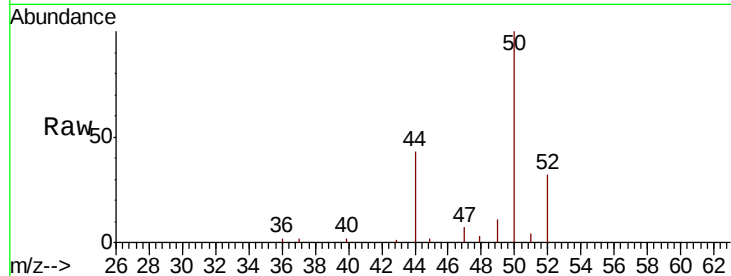
LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 18181

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



#4

Vinyl Chloride

Concen: 5.018 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056585.D

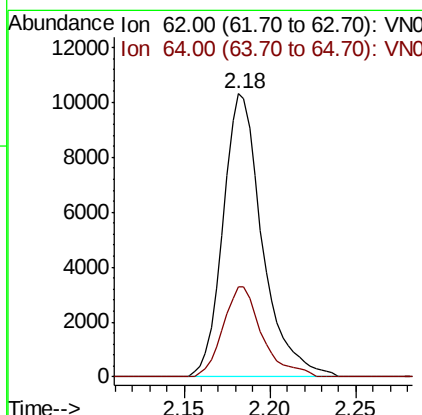
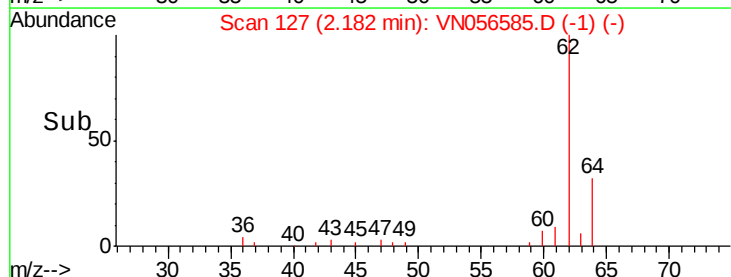
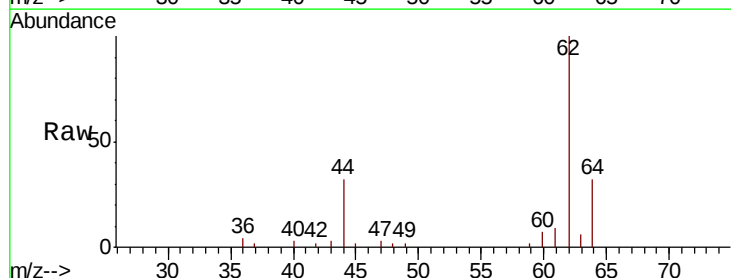
Acq: 3 Jul 2019 14:11

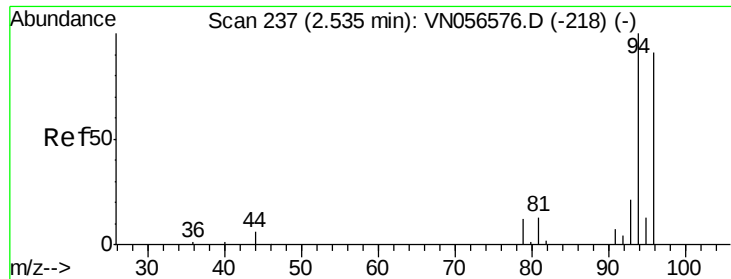
Tgt Ion: 62 Resp: 16411

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 6.598 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

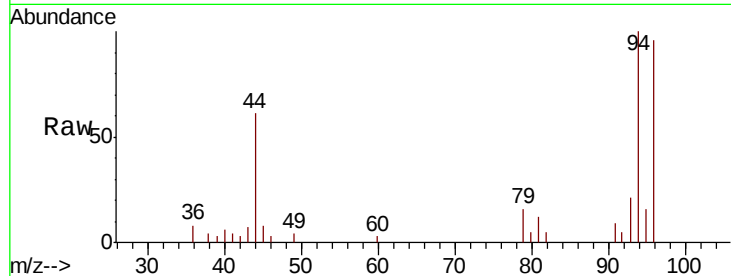
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 11514

Ion Ratio Lower Upper

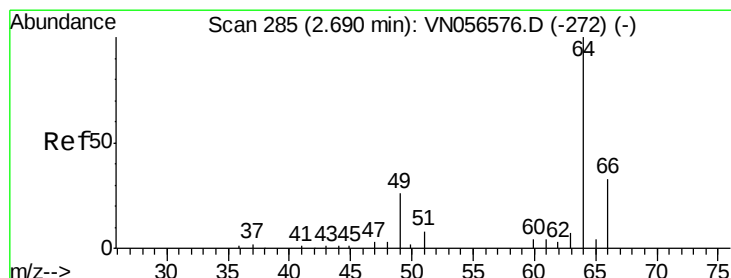
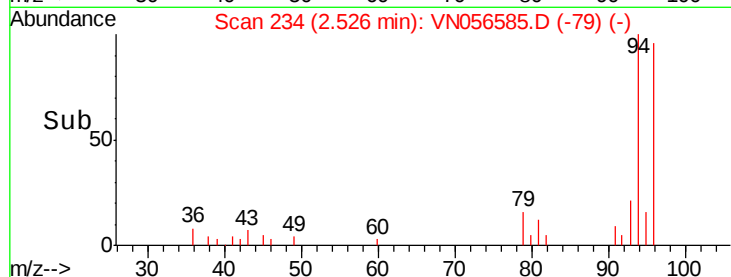
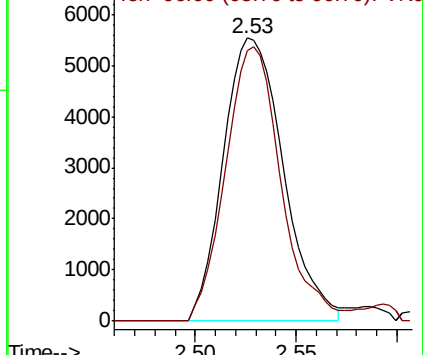
94 100

96 95.5 74.1 111.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.202 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056585.D

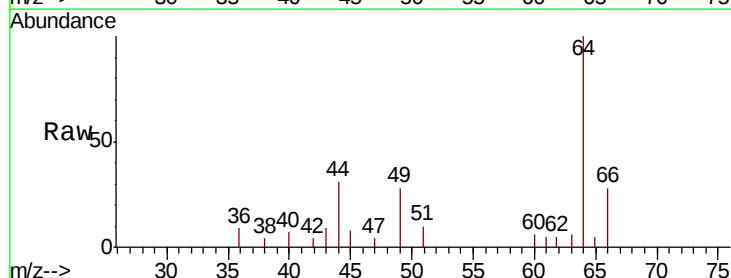
Acq: 3 Jul 2019 14:11

Tgt Ion: 64 Resp: 9422

Ion Ratio Lower Upper

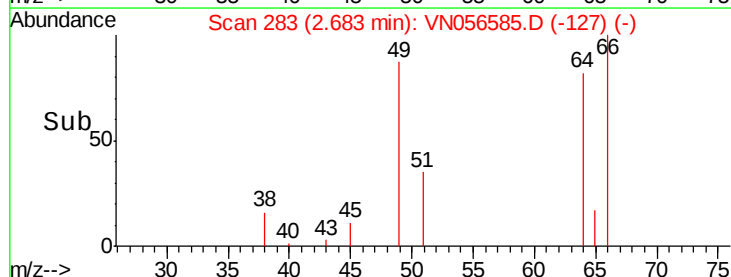
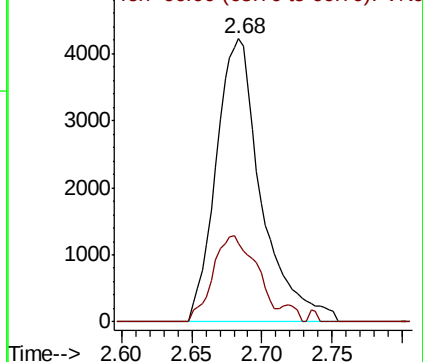
64 100

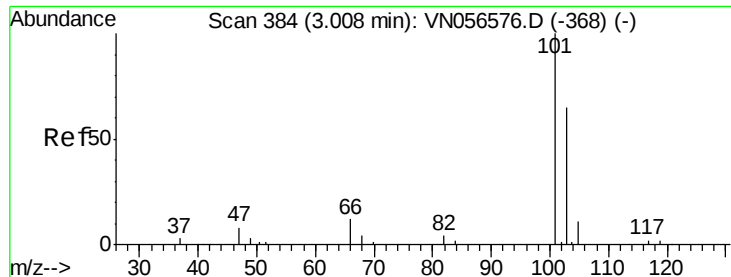
66 27.6 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



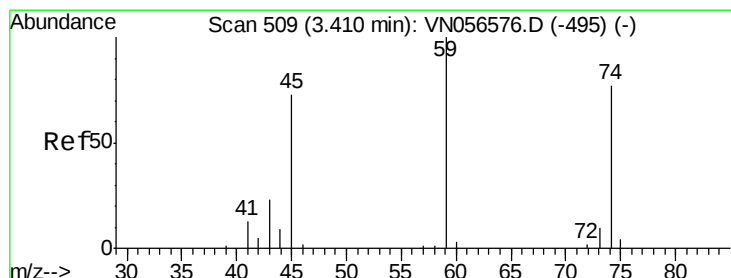
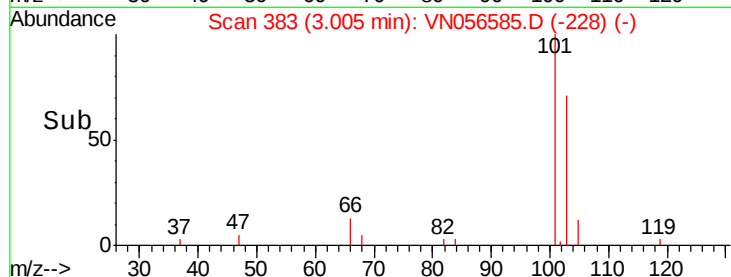
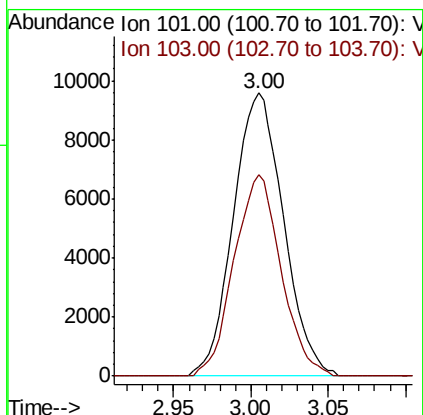
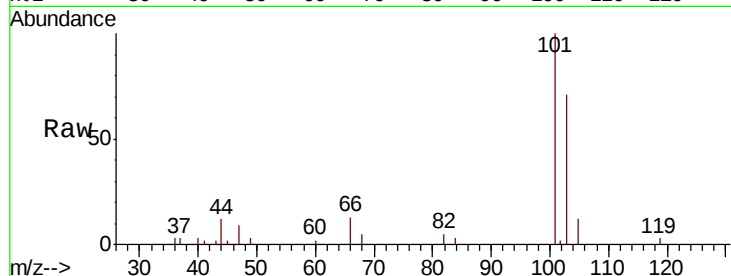


#7

Trichlorofluoromethane
 Concen: 5.149 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Instrument :
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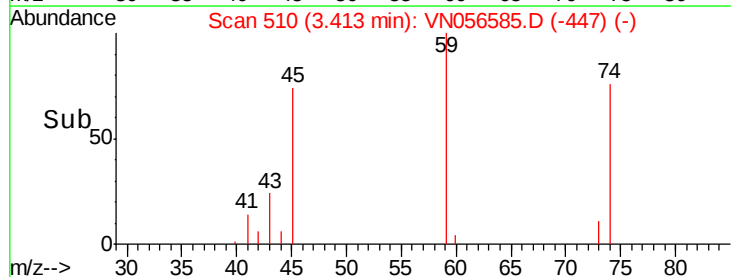
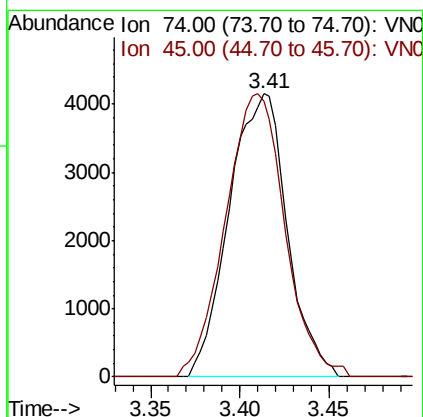
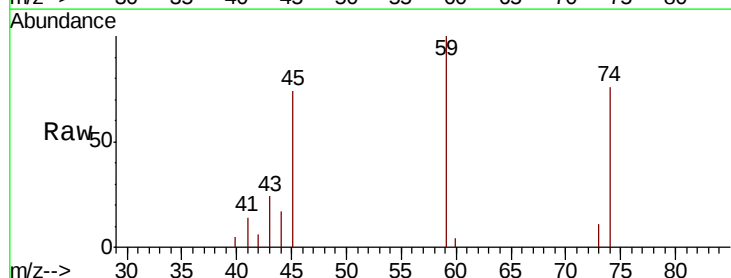
Tot Ion:101 Resp: 21617
 Ion Ratio Lower Upper
 101 100
 103 71.3 53.4 80.0

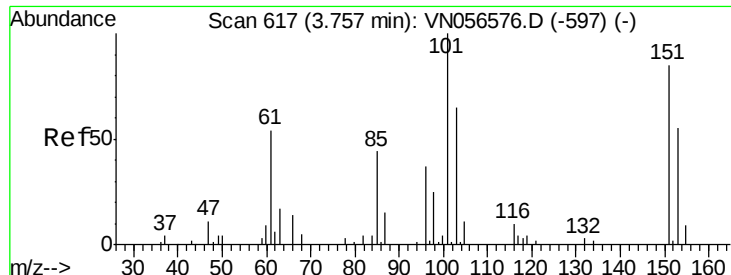


#8

Diethyl Ether
 Concen: 5.284 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 74 Resp: 9409
 Ion Ratio Lower Upper
 74 100
 45 101.9 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.247 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

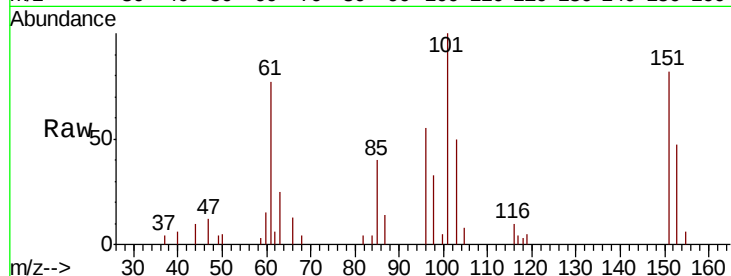
Tot Ion:101 Resp: 13957

Ion Ratio Lower Upper

101 100

85 25.6 0.0 82.0

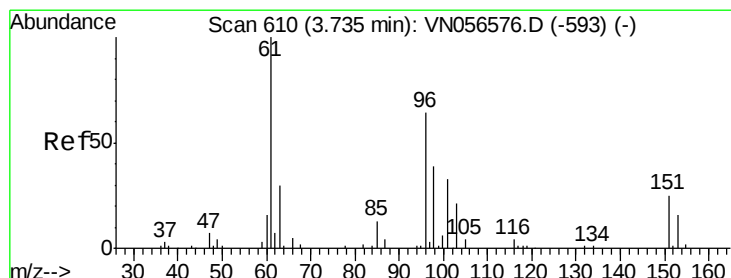
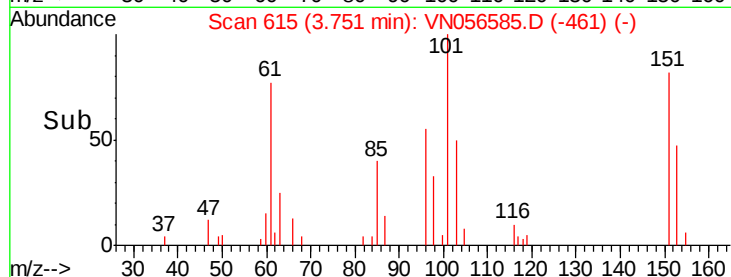
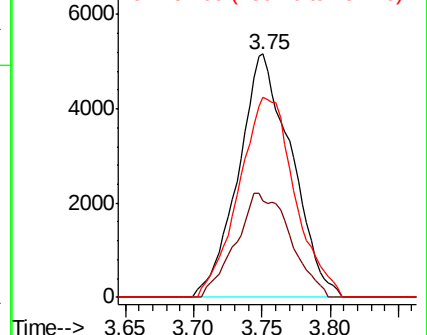
151 86.6 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.172 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

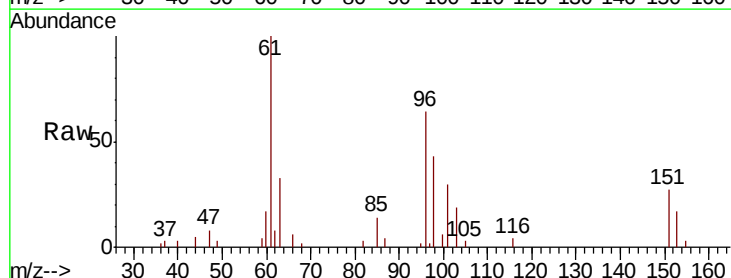
Tgt Ion: 96 Resp: 13498

Ion Ratio Lower Upper

96 100

61 152.8 119.7 179.5

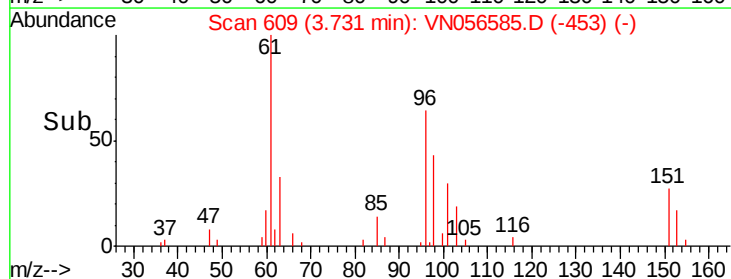
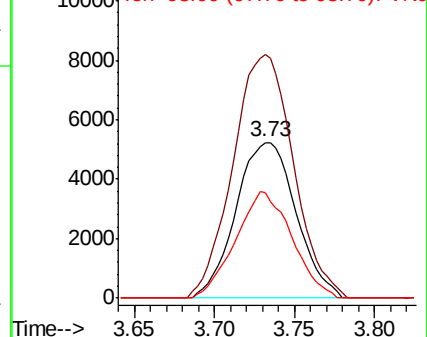
98 67.4 52.3 78.5

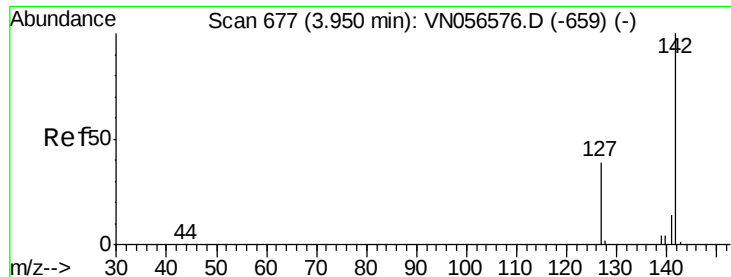


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

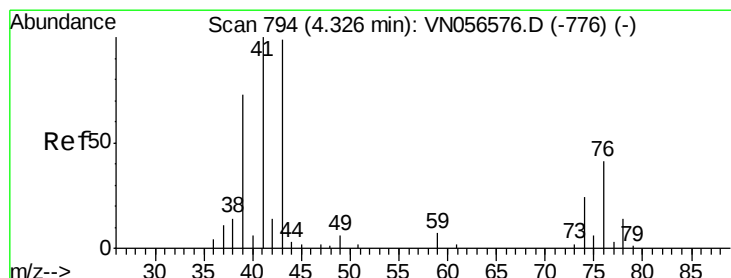
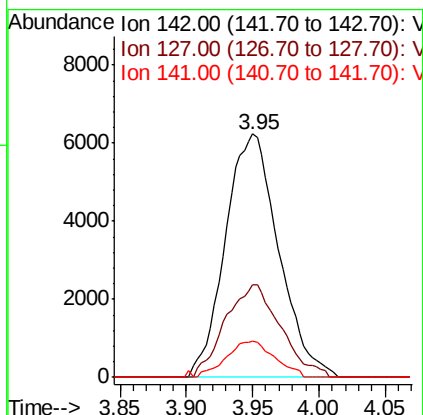
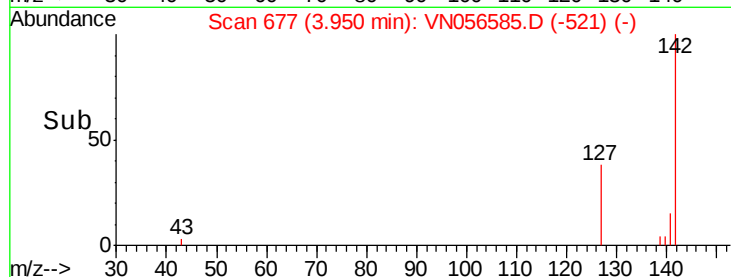
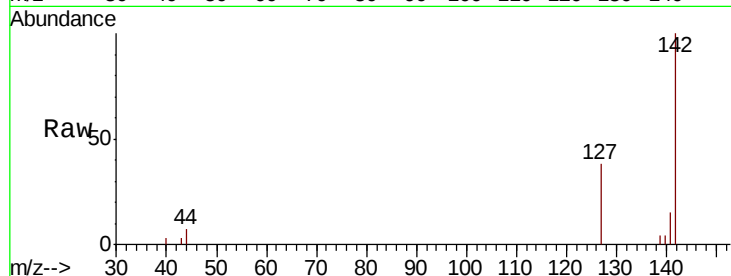




#11
Methvl Iodide
Concen: 4.666 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

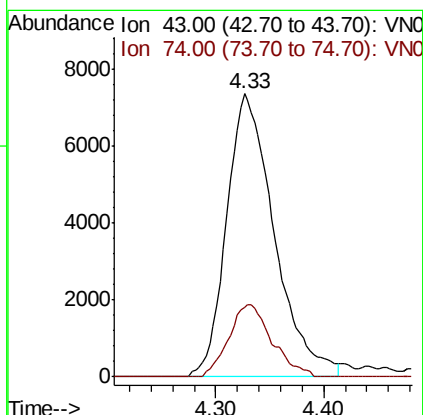
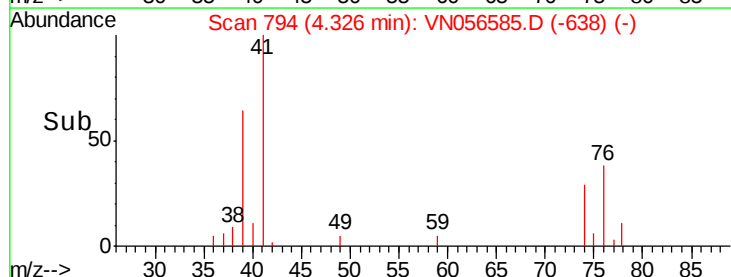
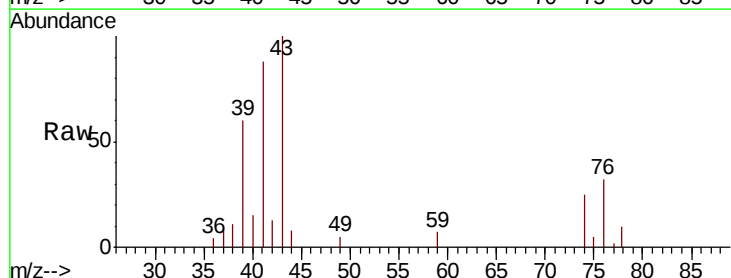
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

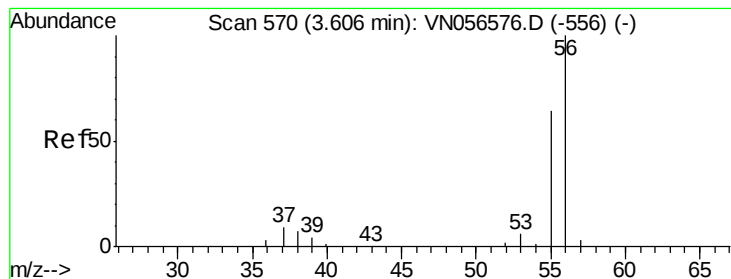
Tot Ion:142 Resp: 17414
Ion Ratio Lower Upper
142 100
127 38.1 19.0 57.0
141 13.4 6.7 20.0



#12
Methyl Acetate
Concen: 6.448 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 43 Resp: 22695
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9





#13

Acrolein

Concen: 33.322 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

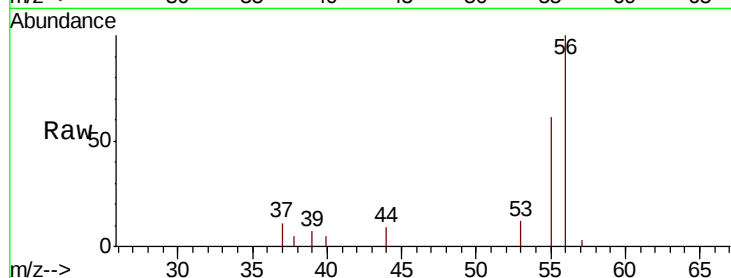
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 11451

Ion Ratio Lower Upper

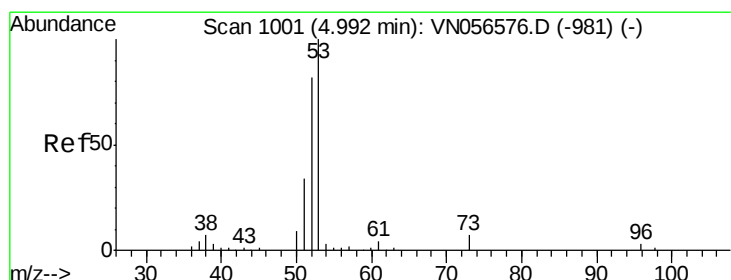
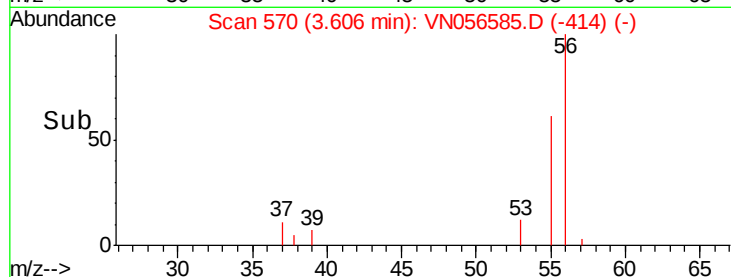
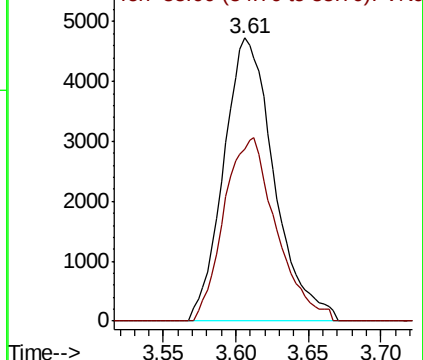
56 100

55 66.6 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 25.714 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

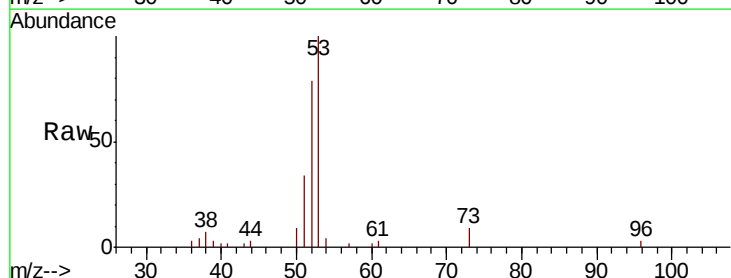
Tgt Ion: 53 Resp: 39738

Ion Ratio Lower Upper

53 100

52 80.5 40.8 122.2

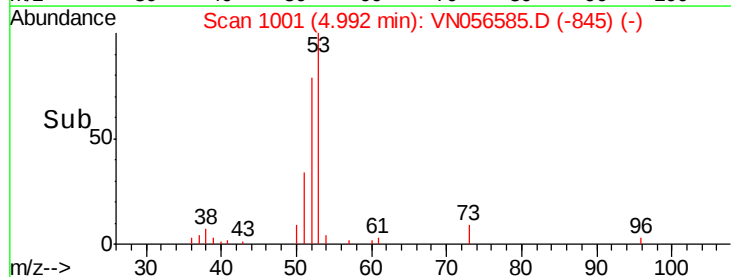
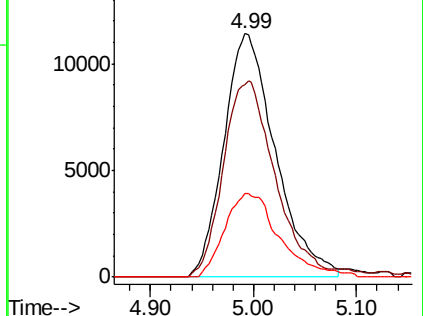
51 36.3 17.3 52.0

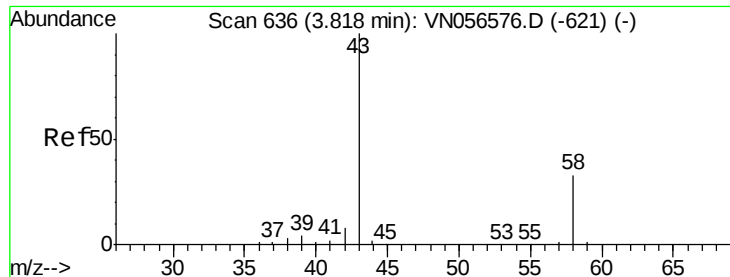


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 26.805 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

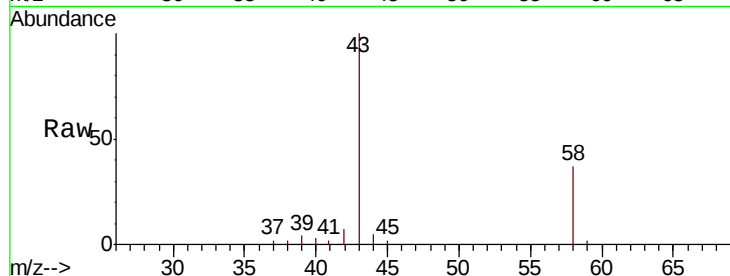
LOQ-WATER-02-QT3-2019

Tot Ion: 58 Resp: 11558

Ion Ratio Lower Upper

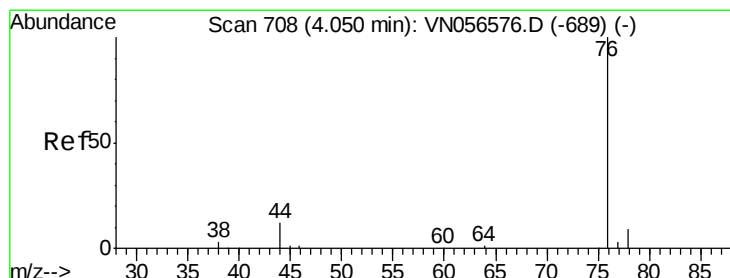
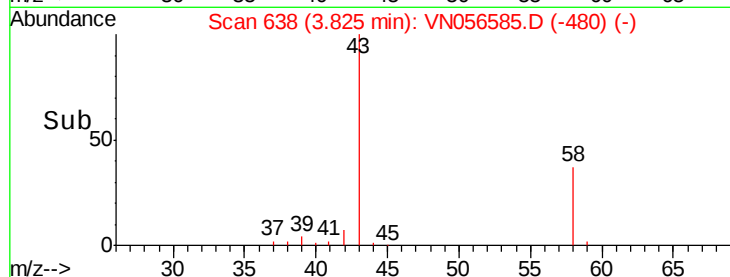
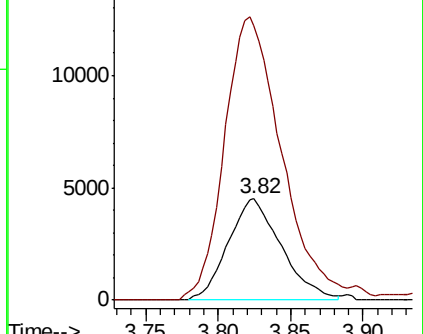
58 100

43 263.0 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056576.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056576.D (-621) (-)



#16

Carbon Disulfide

Concen: 4.710 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056585.D

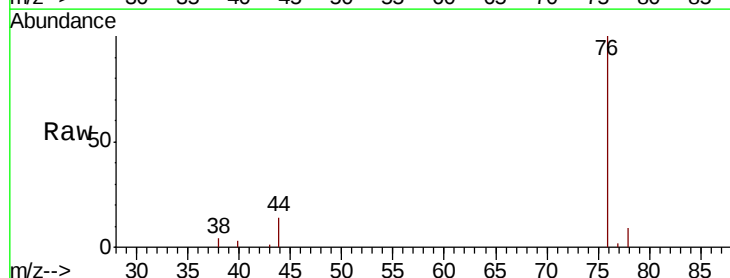
Acq: 3 Jul 2019 14:11

Tgt Ion: 76 Resp: 29559

Ion Ratio Lower Upper

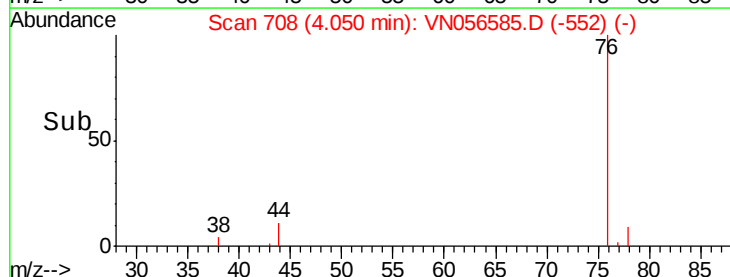
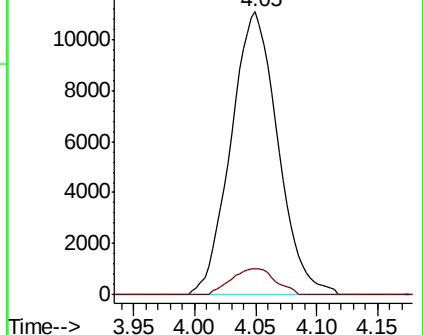
76 100

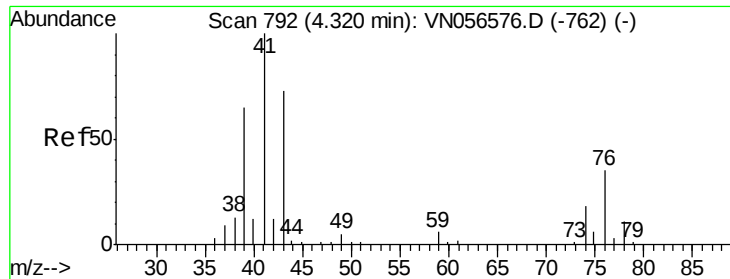
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056576.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056576.D (-689) (-)

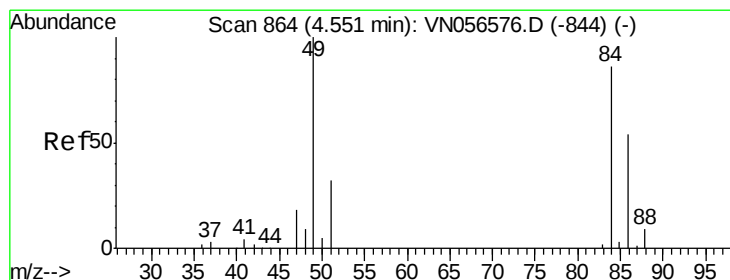
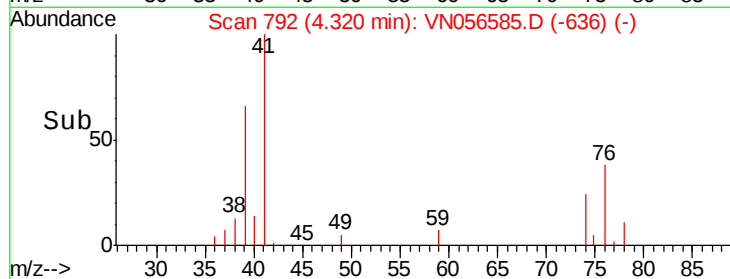
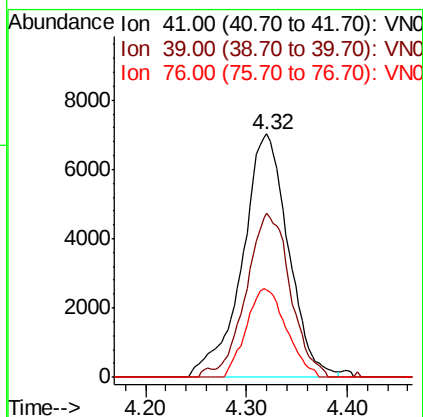
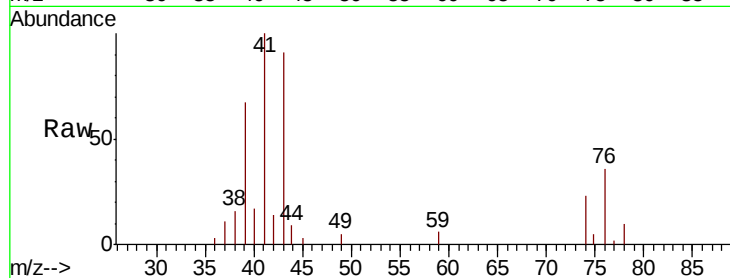




#17
Allvl chloride
Concen: 4.873 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

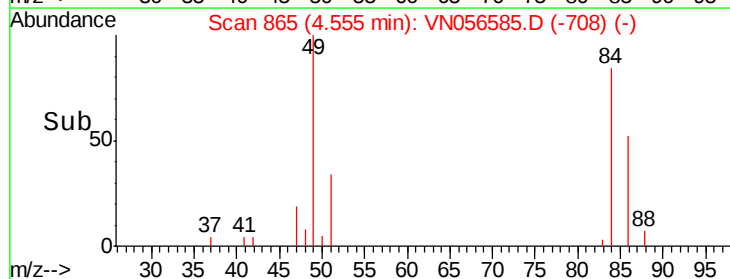
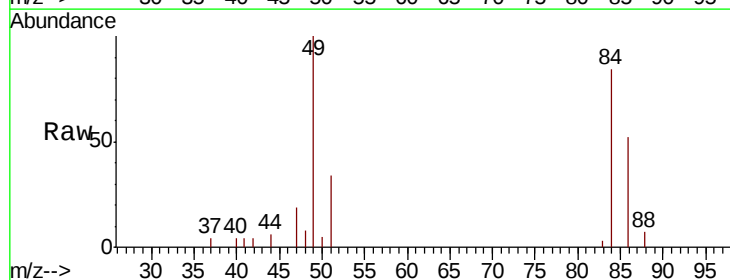
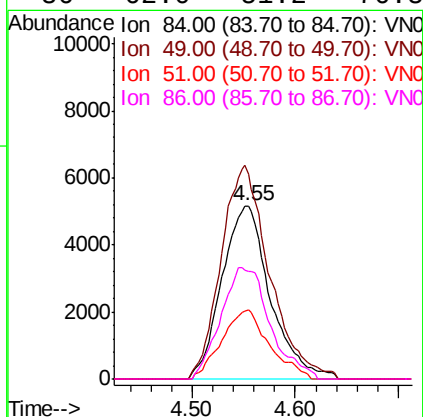
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

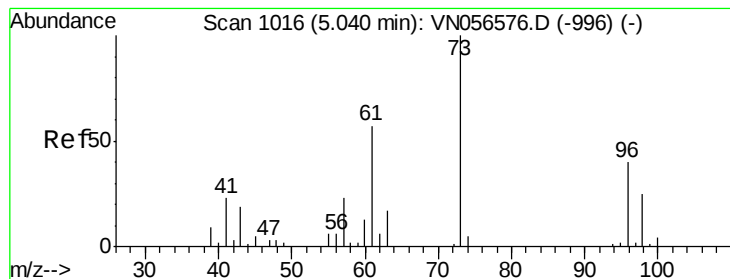
Tot Ion: 41 Resp: 22255
Ion Ratio Lower Upper
41 100
39 67.3 33.0 99.0
76 35.9 18.9 56.9



#18
Methylene Chloride
Concen: 5.456 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 84 Resp: 16834
Ion Ratio Lower Upper
84 100
49 118.4 87.6 131.4
51 39.9 27.0 40.4
86 62.0 51.2 76.8





#19

trans-1,2-Dichloroethene

Concen: 5.185 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

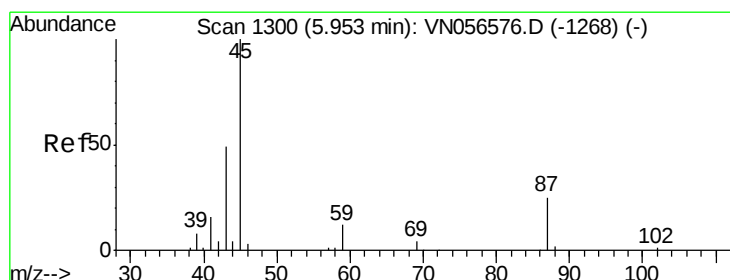
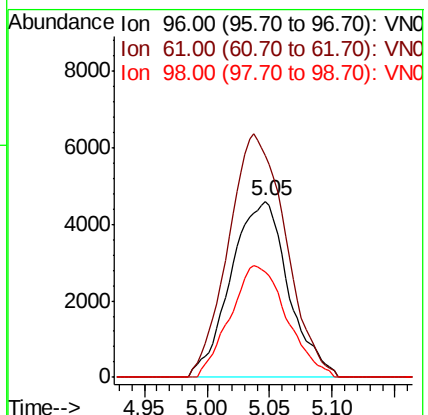
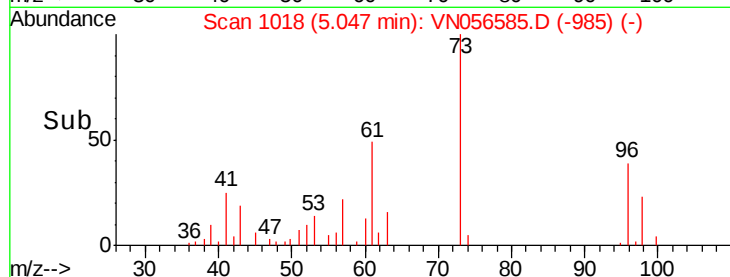
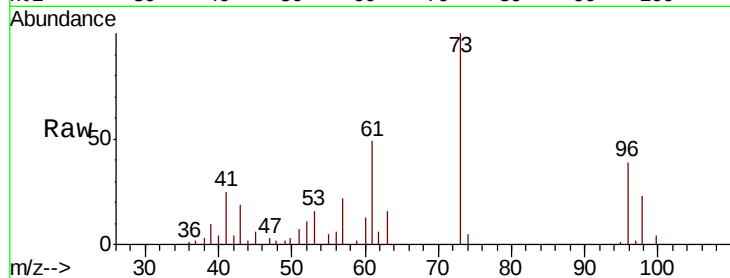
Tot Ion: 96 Resp: 14678

Ion Ratio Lower Upper

96 100

61 125.9 102.5 153.7

98 60.0 46.9 70.3



#20

Diisopropyl ether

Concen: 5.218 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Tgt Ion: 45 Resp: 49231

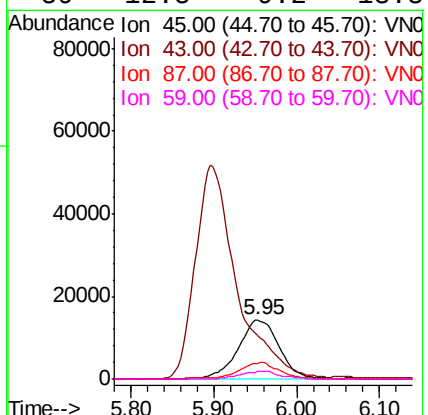
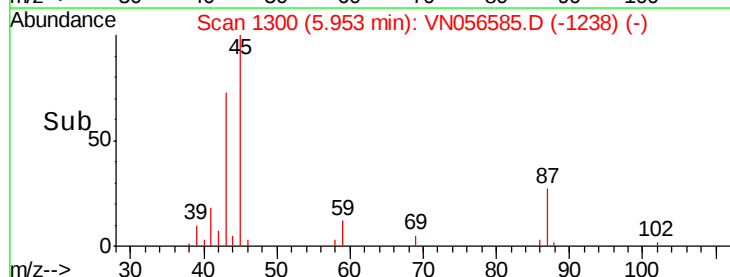
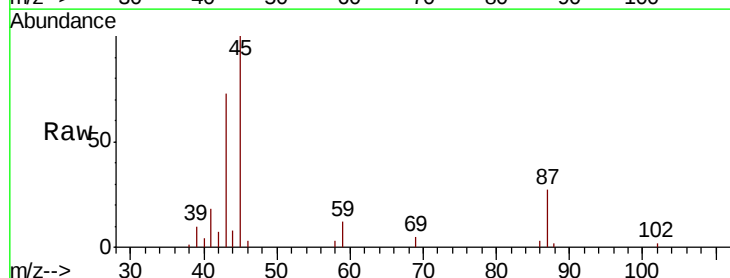
Ion Ratio Lower Upper

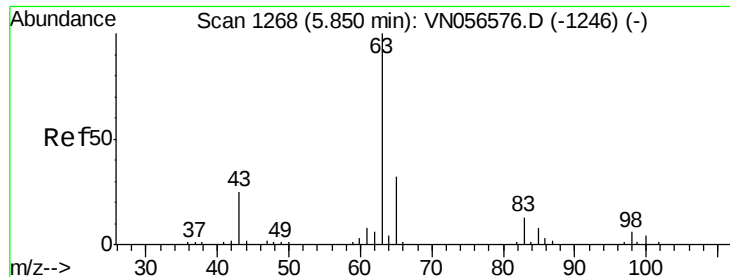
45 100

43 69.4 48.0 72.0

87 27.1 23.4 35.2

59 12.5 9.2 13.8

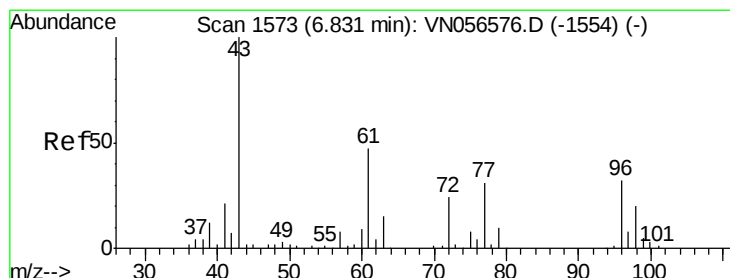
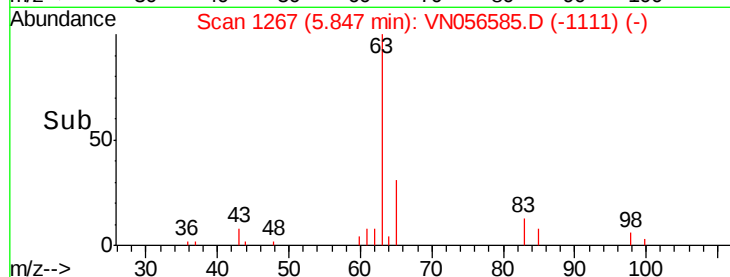
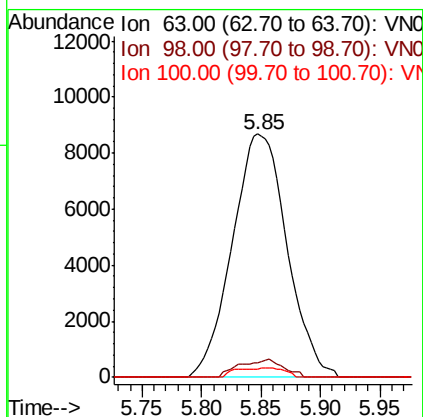
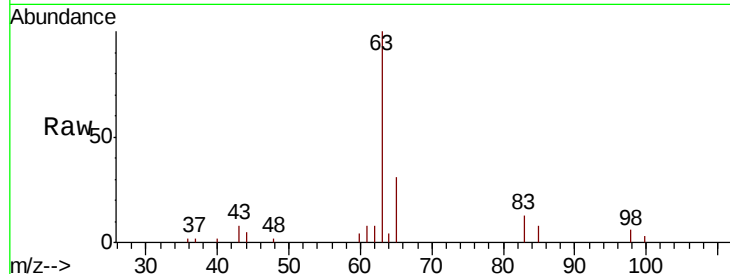




#21
 1,1-Dichloroethane
 Concen: 5.190 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

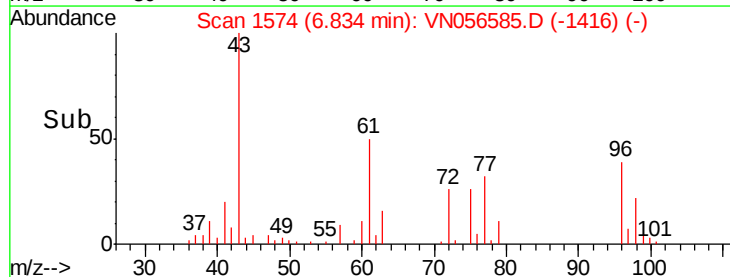
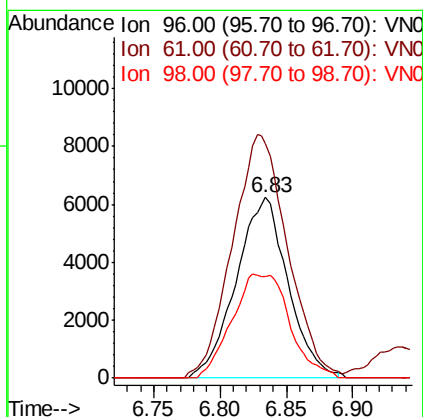
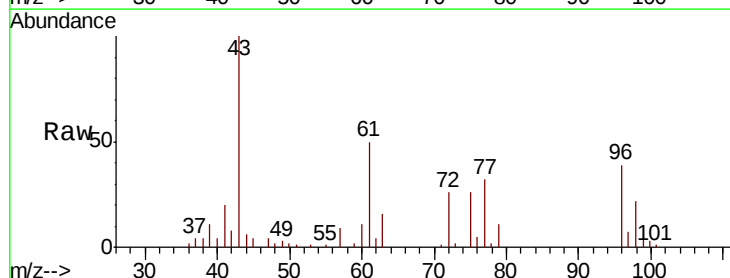
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

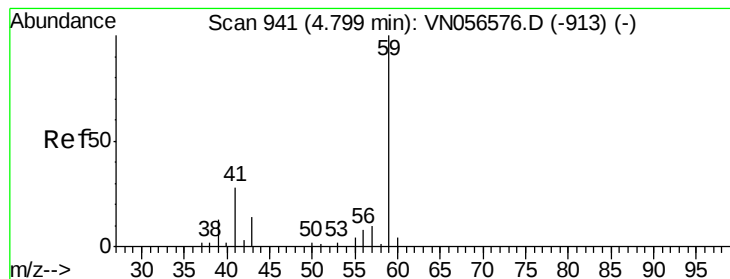
Tot Ion: 63 Resp: 27623
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 3.4 2.3 6.9



#22
 cis-1,2-Dichloroethene
 Concen: 5.101 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 96 Resp: 16979
 Ion Ratio Lower Upper
 96 100
 61 143.0 105.7 158.5
 98 33.9 52.0 78.0#





#23

tert-Butyl Alcohol

Concen: 24.666 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

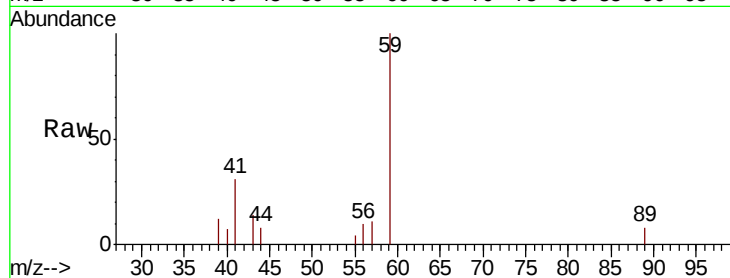
LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 14259

Ion Ratio Lower Upper

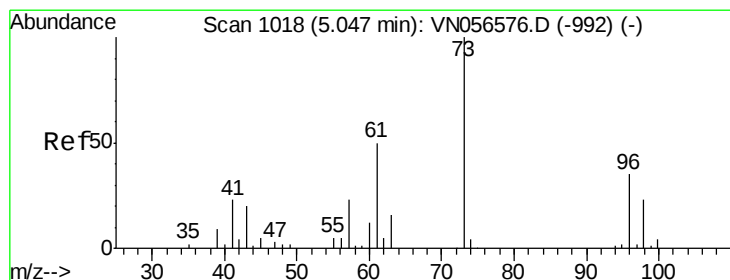
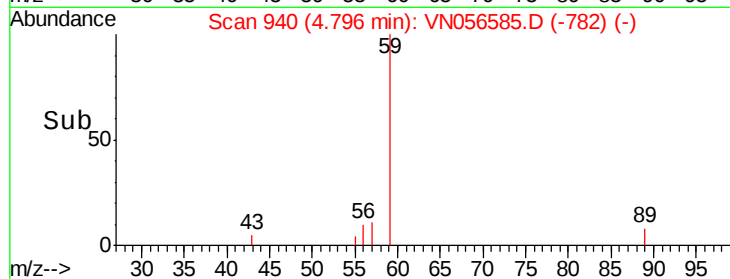
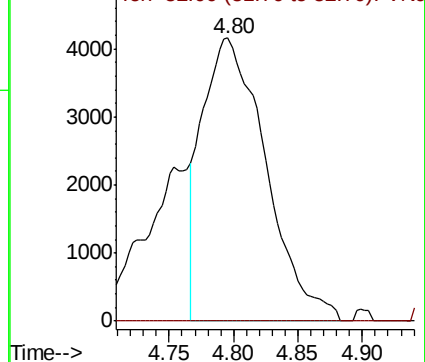
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 5.149 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056585.D

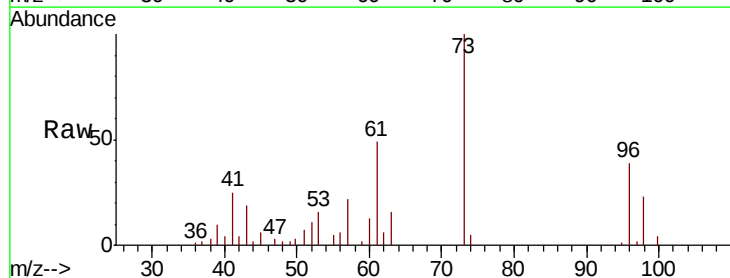
Acq: 3 Jul 2019 14:11

Tgt Ion: 73 Resp: 44449

Ion Ratio Lower Upper

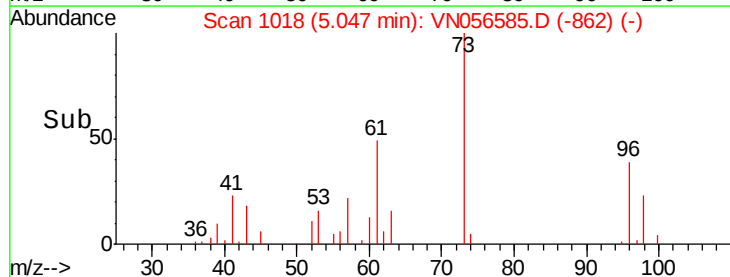
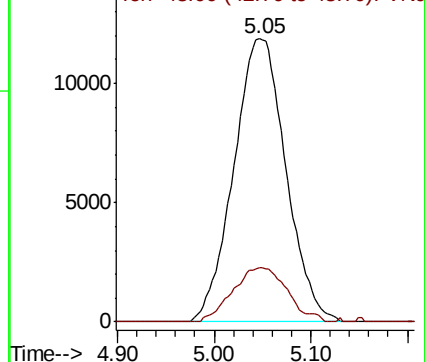
73 100

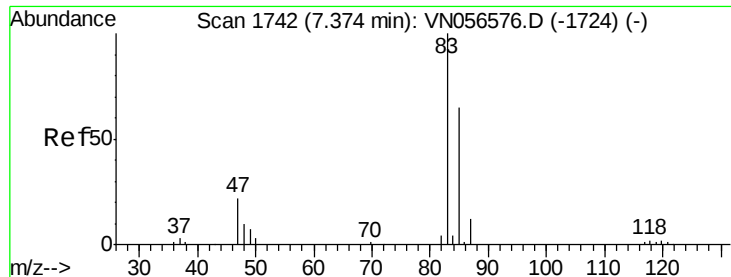
43 8.2 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

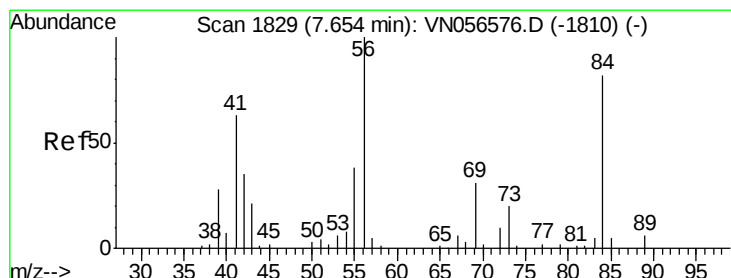
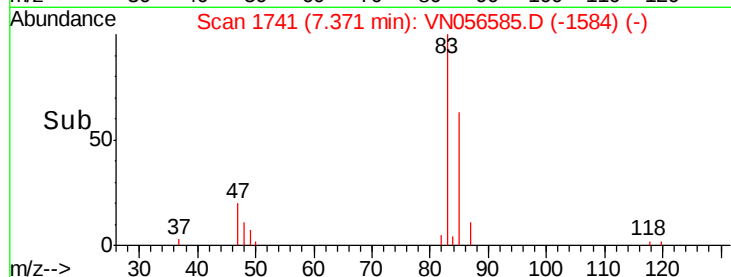
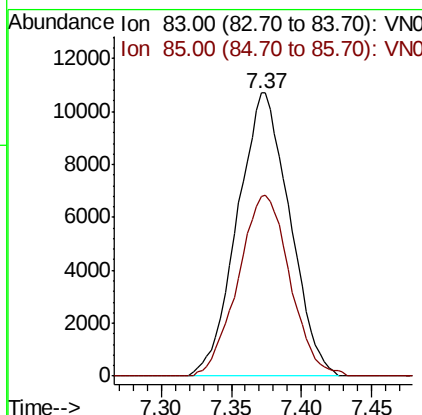
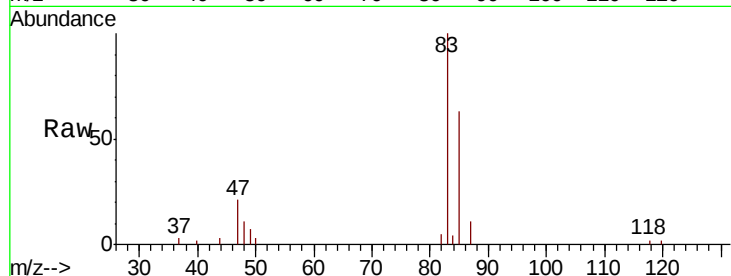




#25
Chloroform
Concen: 5.312 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

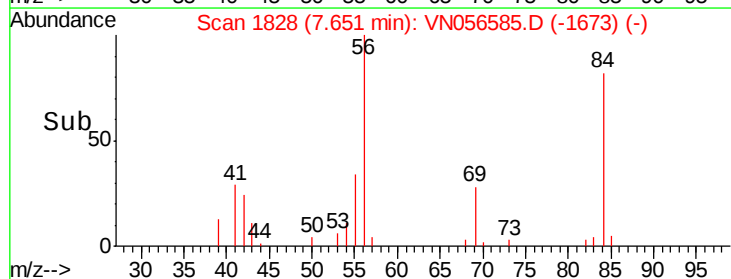
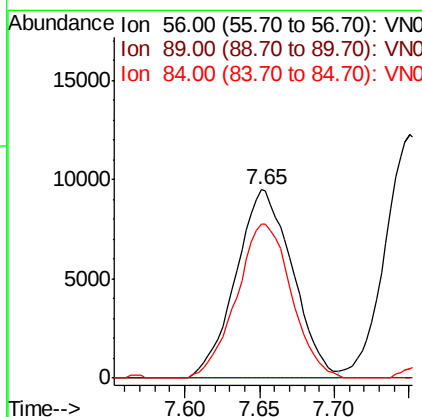
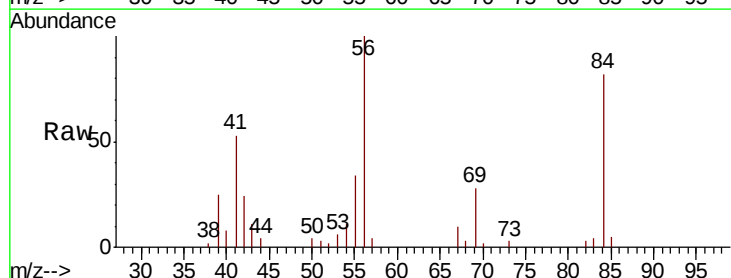
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

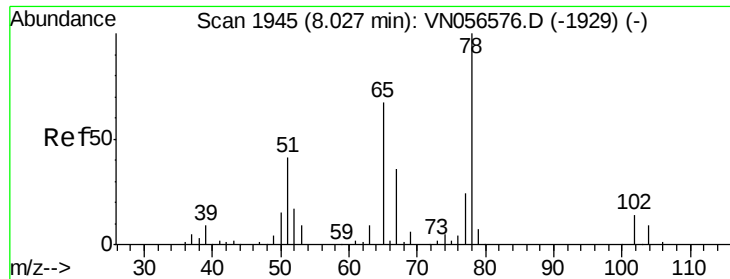
Tot Ion: 83 Resp: 27711
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0



#26
Cyclohexane
Concen: 5.100 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 56 Resp: 25004
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 79.1 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.876 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

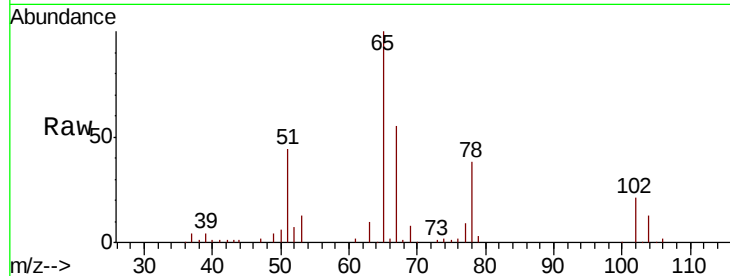
LOQ-WATER-02-QT3-2019

Tot Ion: 65 Resp: 101627

Ion Ratio Lower Upper

65 100

67 55.2 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN056576.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056576.D (-1929) (-)

8.03

50000

40000

30000

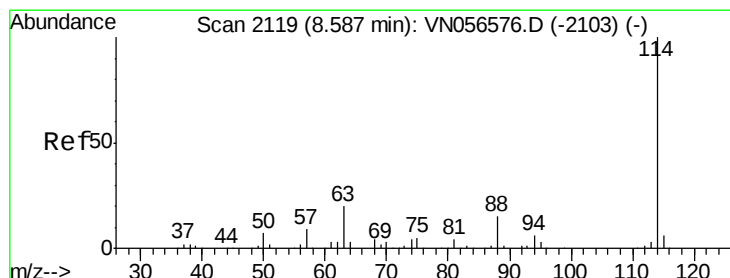
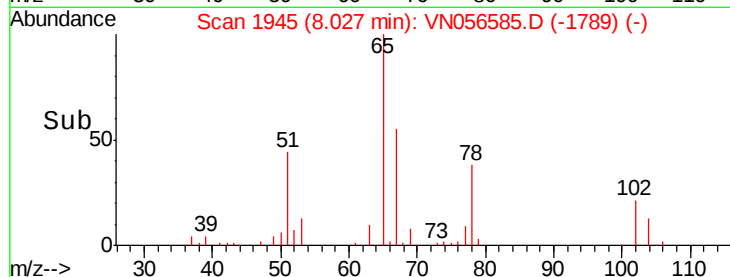
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

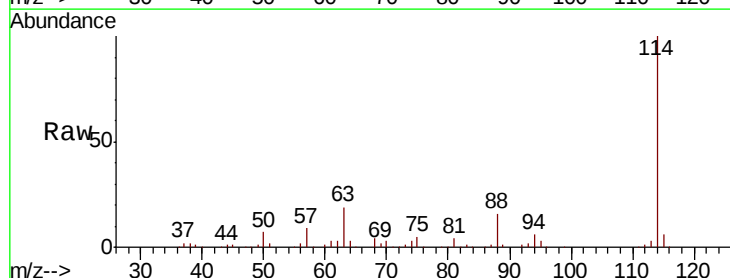
Tgt Ion: 114 Resp: 265954

Ion Ratio Lower Upper

114 100

63 19.9 14.7 22.1

88 15.5 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056576.D (-2103) (-)

Ion 63.00 (62.70 to 63.70): VN056576.D (-2103) (-)

Ion 88.00 (87.70 to 88.70): VN056576.D (-2103) (-)

8.59

150000

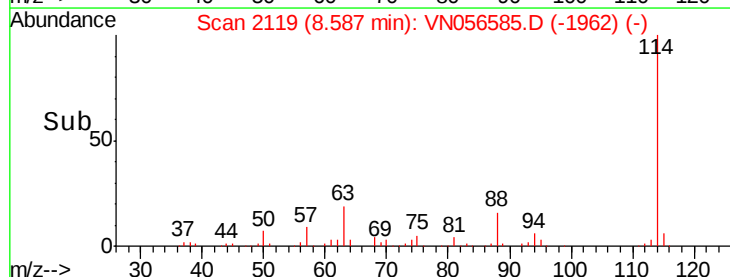
100000

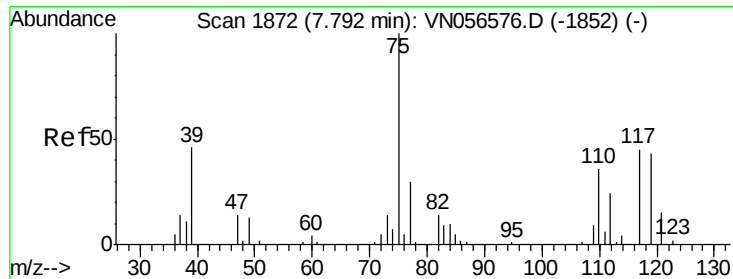
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

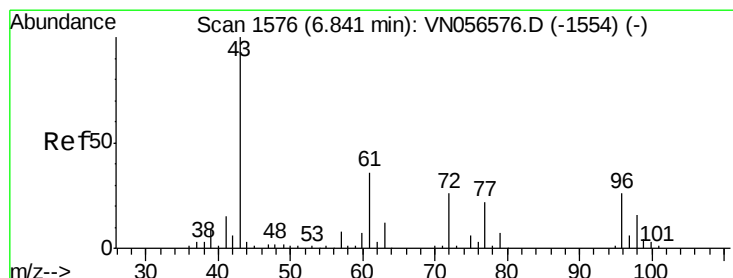
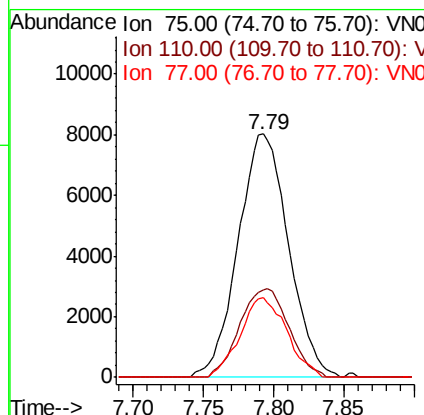
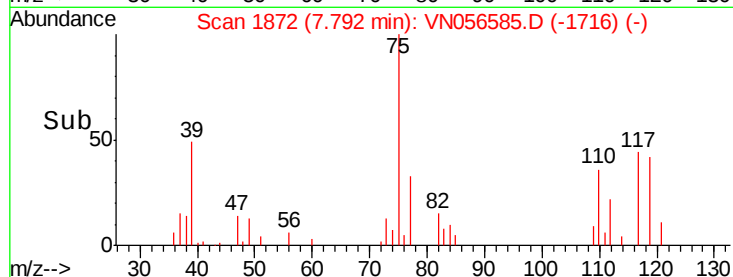
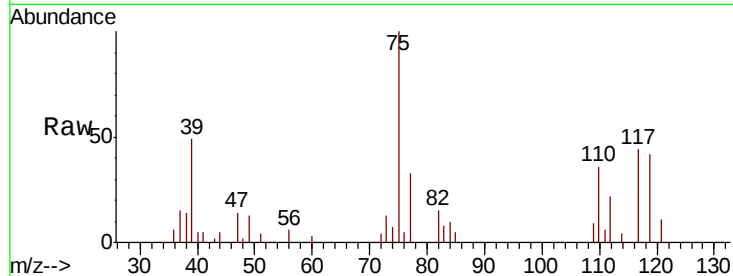




#29
 1,1-Dichloropropene
 Concen: 5.115 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

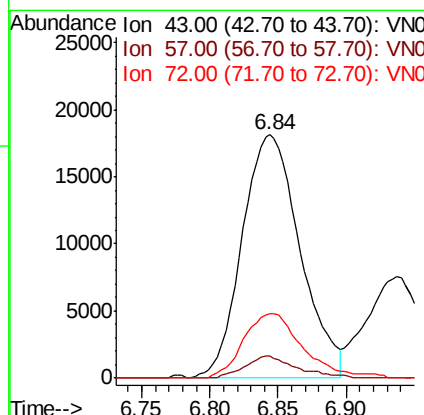
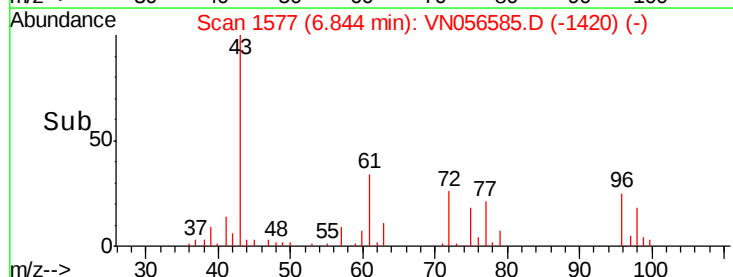
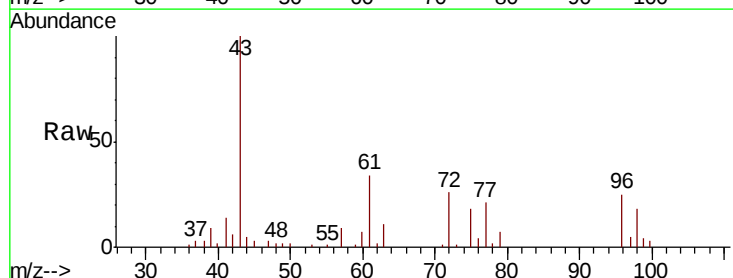
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

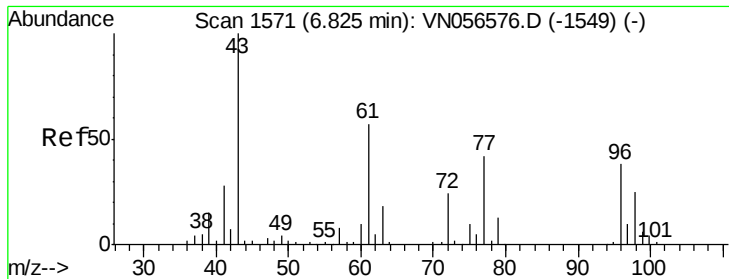
Tot Ion: 75 Resp: 20086
 Ion Ratio Lower Upper
 75 100
 110 35.4 0.0 77.0
 77 30.3 0.0 62.4



#30
 2-Butanone
 Concen: 24.617 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 43 Resp: 53595
 Ion Ratio Lower Upper
 43 100
 57 7.1 6.7 10.1
 72 26.7 22.4 33.6





#31

2,2-Dichloropropane

Concen: 4.679 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

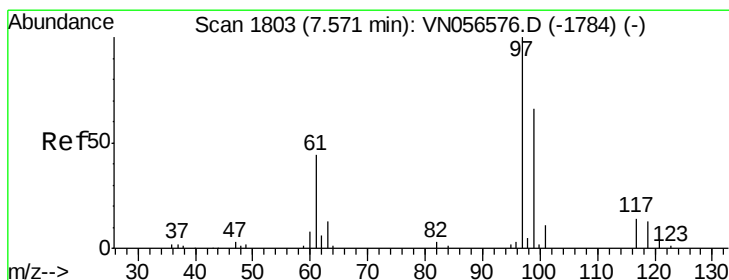
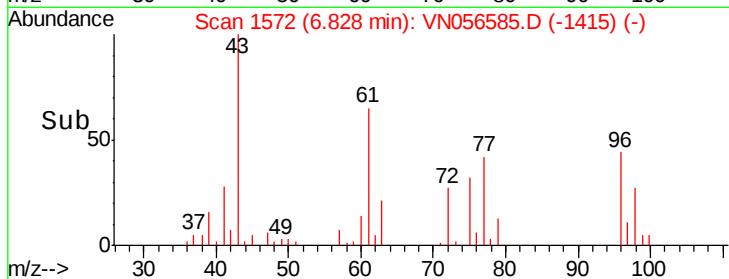
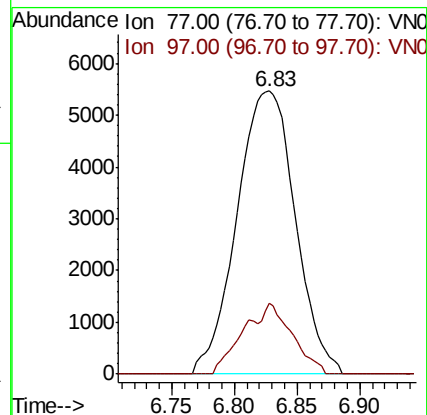
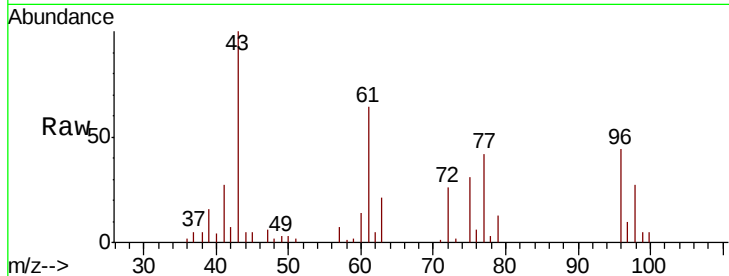
LOQ-WATER-02-QT3-2019

Tot Ion: 77 Resp: 17669

Ion Ratio Lower Upper

77 100

97 13.1 20.8 31.2#



#32

1,1,1-Trichloroethane

Concen: 4.977 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

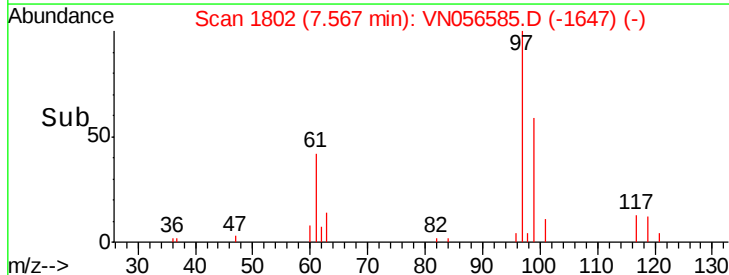
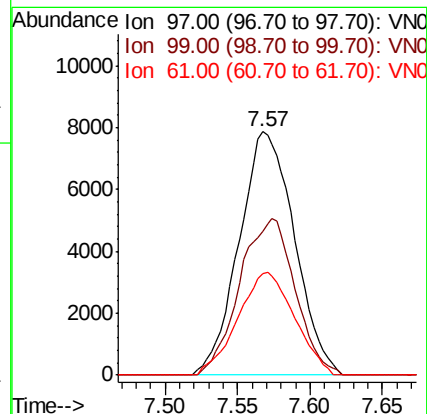
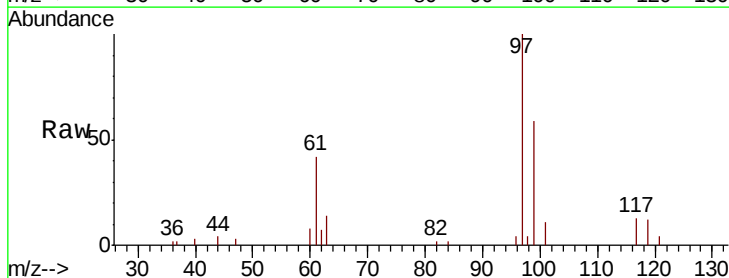
Tgt Ion: 97 Resp: 20838

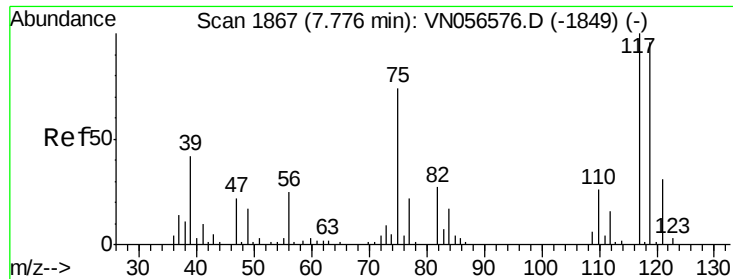
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 43.1 32.9 49.3

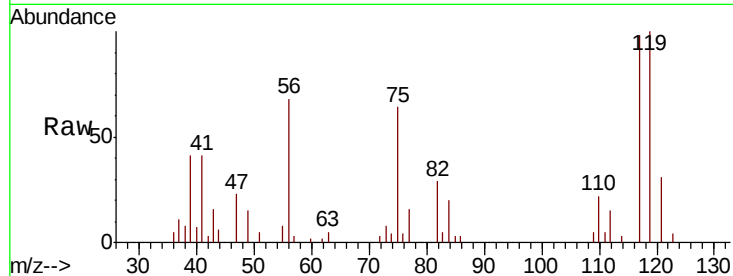




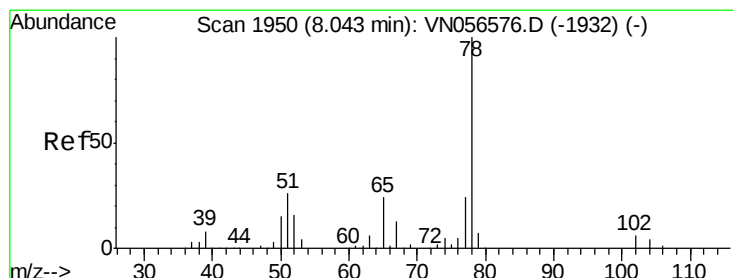
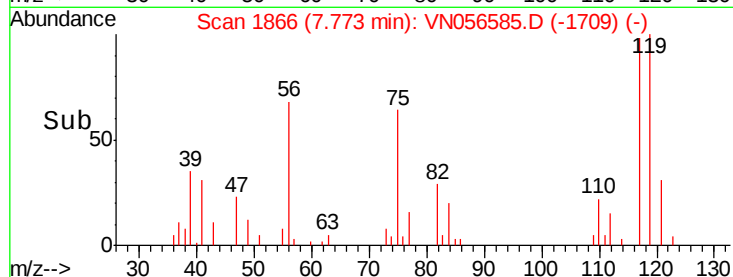
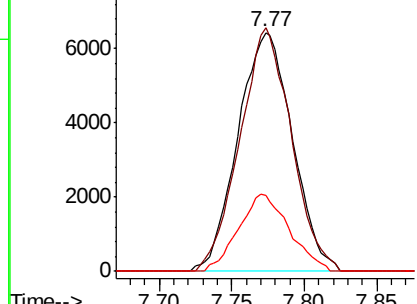
#33
Carbon Tetrachloride
Concen: 4.726 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:117 Resp: 16775
Ion Ratio Lower Upper
117 100
119 101.8 77.3 115.9
121 31.7 25.0 37.4

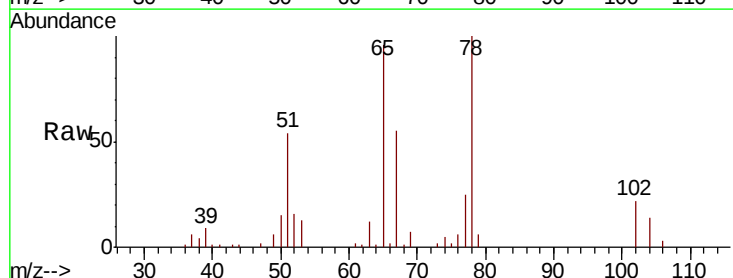


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

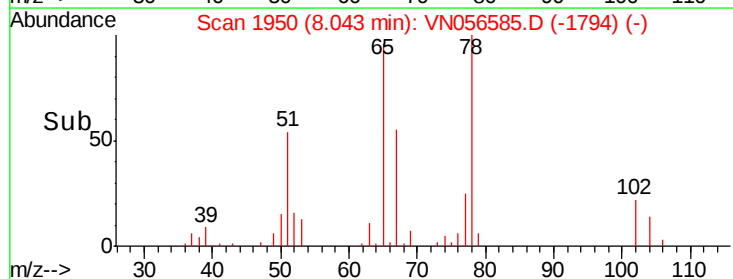
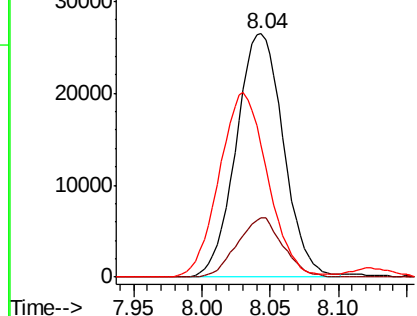


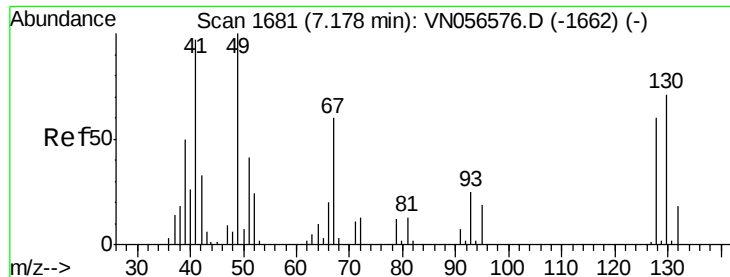
#34
Benzene
Concen: 5.196 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 78 Resp: 63805
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9
51 52.7 19.8 29.8#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

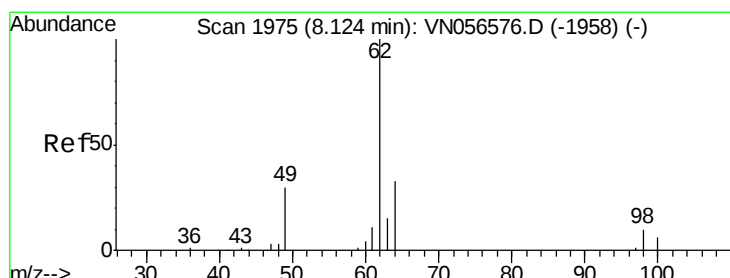
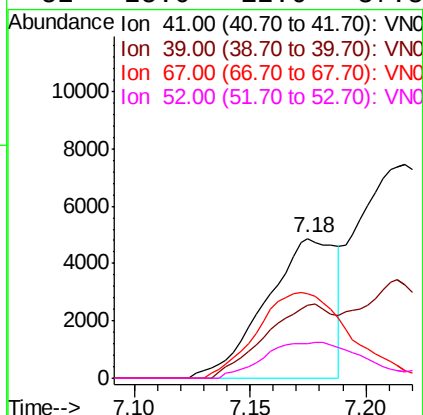
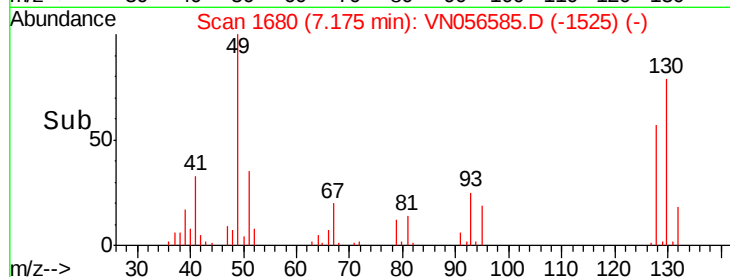
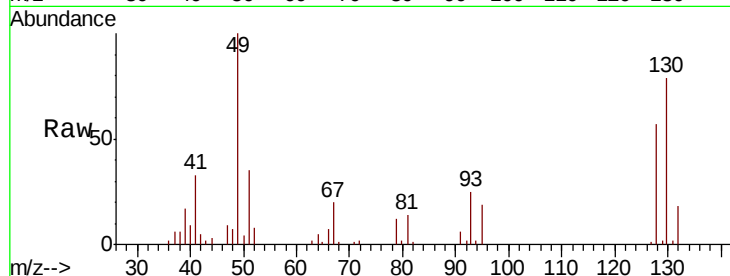




#35
Methacrylonitrile
Concen: 5.304 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

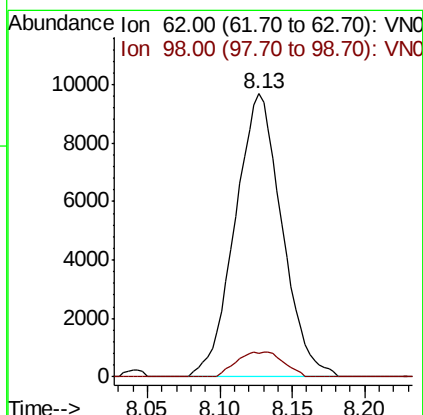
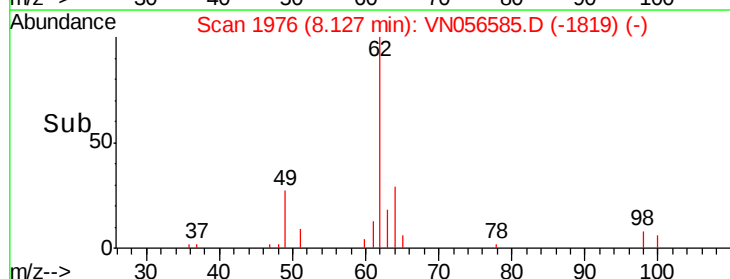
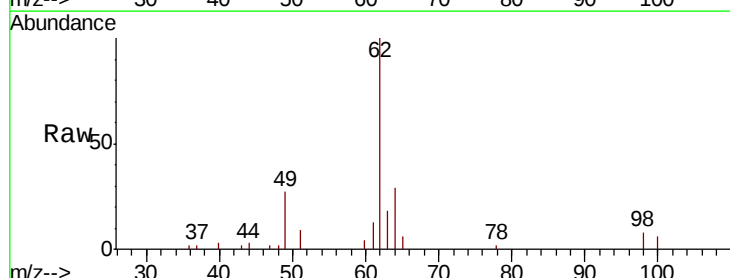
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

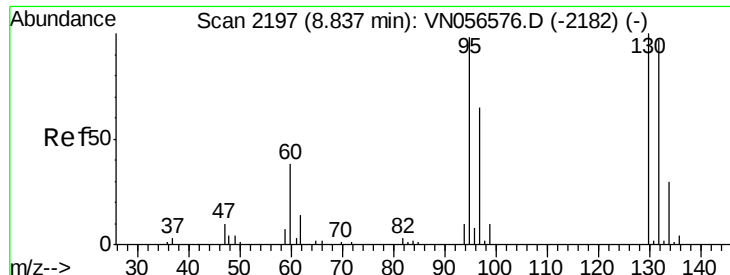
Tot Ion: 41 Resp: 10255
Ion Ratio Lower Upper
41 100
39 52.7 24.8 74.3
67 60.9 34.3 102.9
52 25.0 12.6 37.8



#36
1,2-Dichloroethane
Concen: 5.452 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 62 Resp: 21760
Ion Ratio Lower Upper
62 100
98 4.5 8.6 13.0#

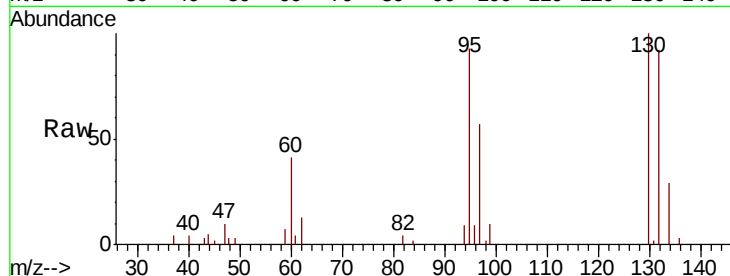




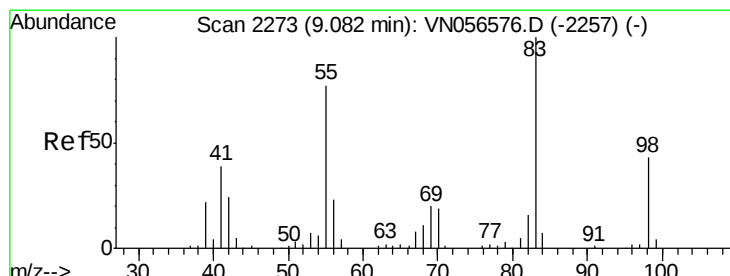
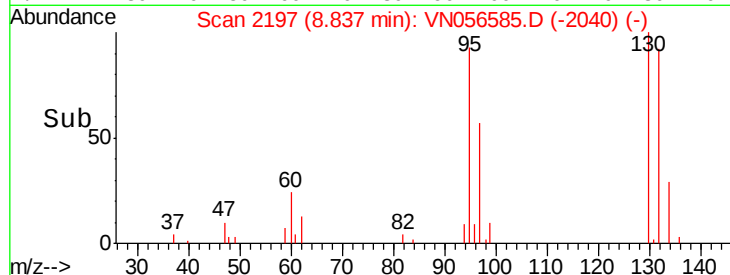
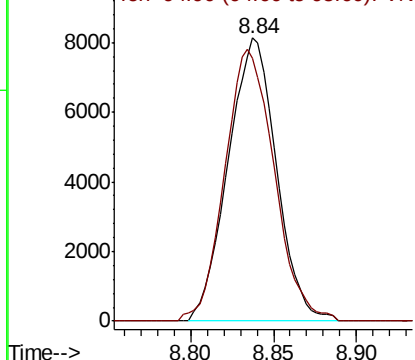
#37
 Trichloroethene
 Concen: 5.152 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

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

Tot Ion:130 Resp: 16501
 Ion Ratio Lower Upper
 130 100
 95 92.8 73.0 109.6

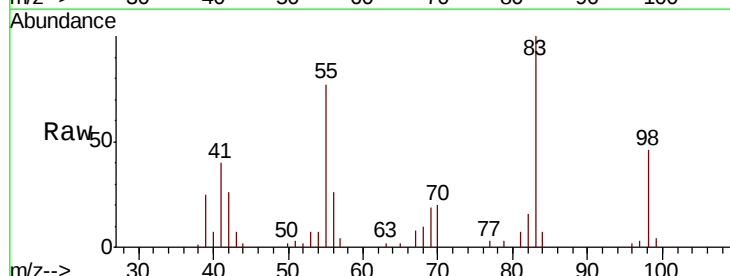


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

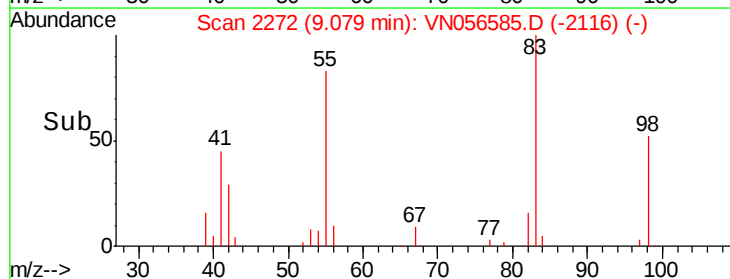
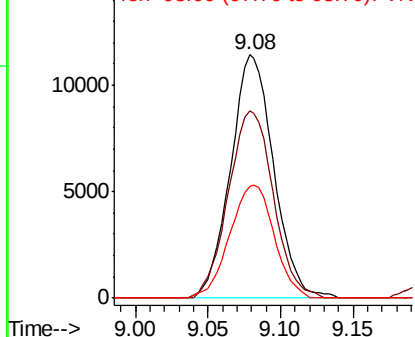


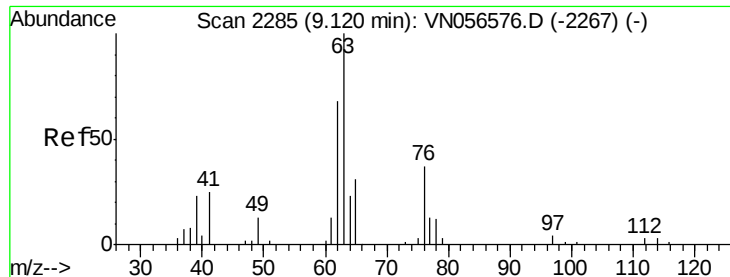
#38
 Methylcyclohexane
 Concen: 4.801 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 83 Resp: 23631
 Ion Ratio Lower Upper
 83 100
 55 80.1 37.5 112.7
 98 47.6 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

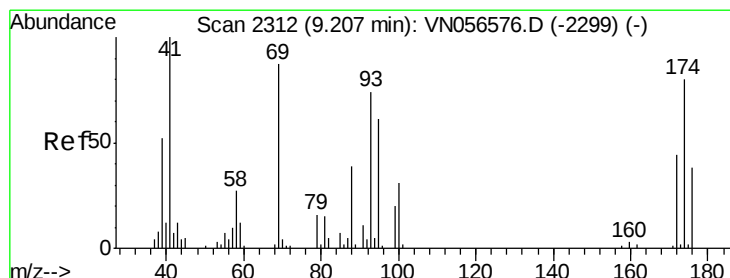
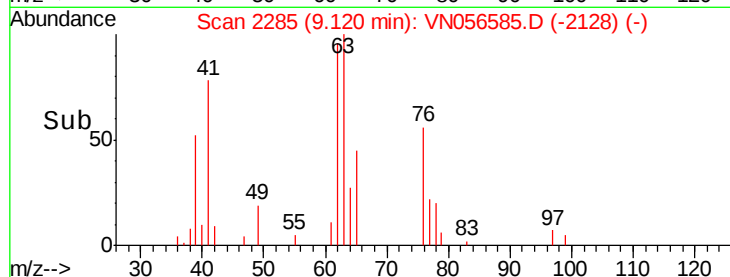
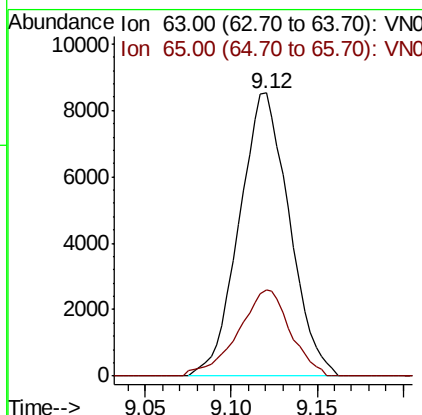
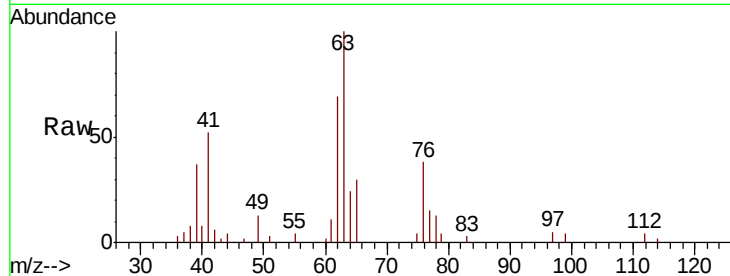




#39
 1,2-Dichloropropane
 Concen: 5.210 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

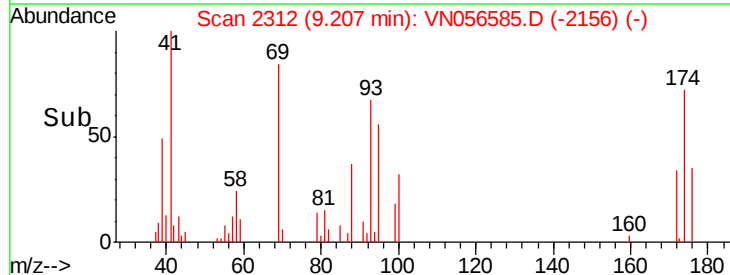
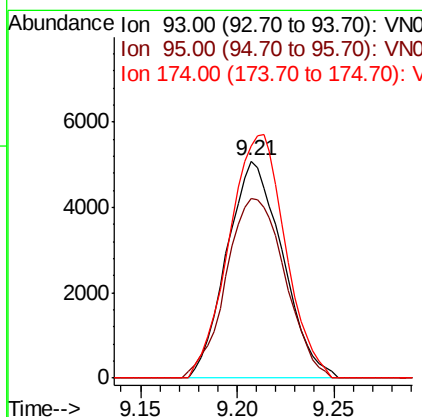
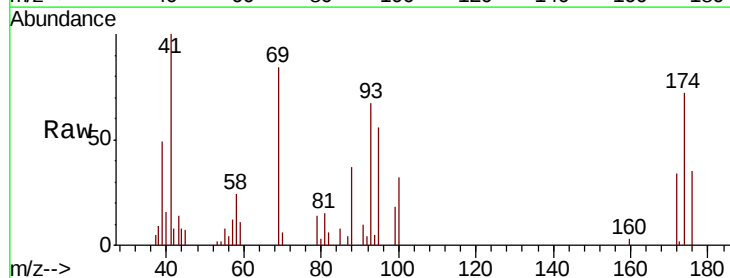
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

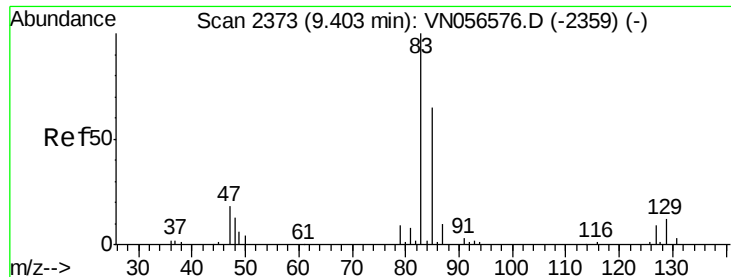
Tot Ion: 63 Resp: 17225
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.1 34.7



#40
 Dibromomethane
 Concen: 4.979 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 93 Resp: 10175
 Ion Ratio Lower Upper
 93 100
 95 87.4 0.0 169.0
 174 113.3 0.0 246.4





#41

Bromodichloromethane

Concen: 4.692 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

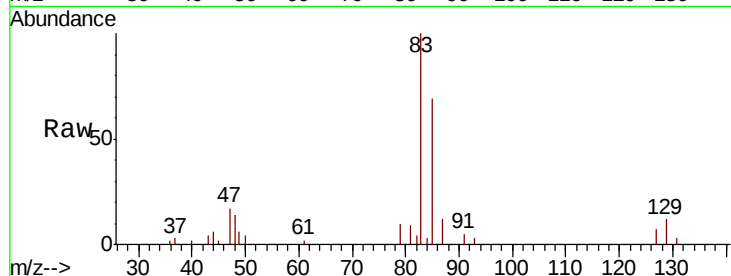
Tot Ion: 83 Resp: 17769

Ion Ratio Lower Upper

83 100

85 69.2 51.8 77.6

127 7.4 7.3 10.9

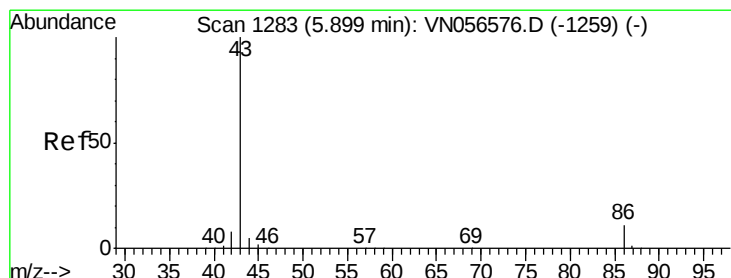
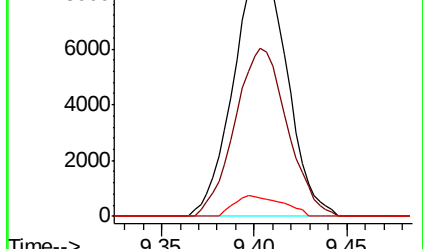
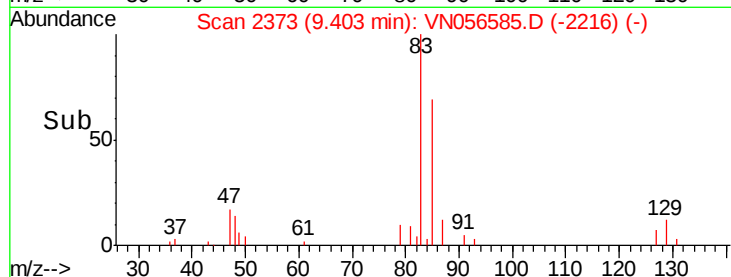


Abundance Ion 83.00 (82.70 to 83.70): VN056585.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN056585.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN056585.D (-2216) (-)

Time-->



#42

Vinyl Acetate

Concen: 23.276 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056585.D

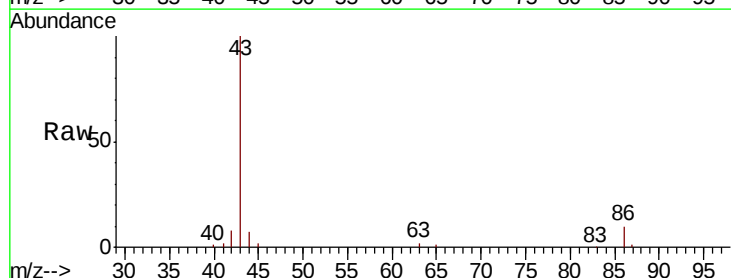
Acq: 3 Jul 2019 14:11

Tgt Ion: 43 Resp: 180440

Ion Ratio Lower Upper

43 100

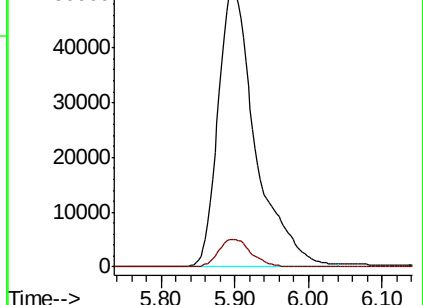
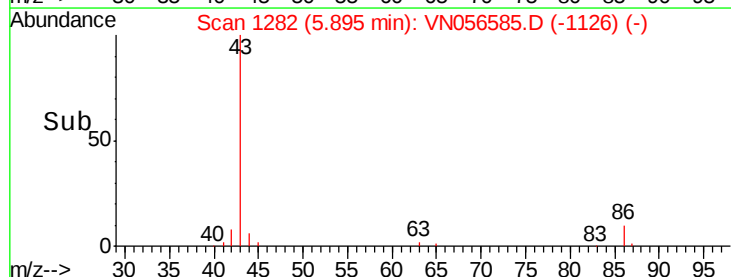
86 8.6 7.9 11.9

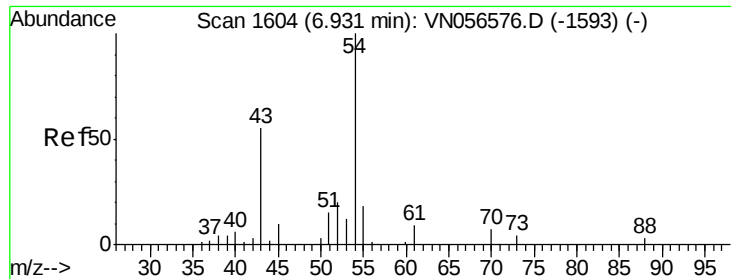


Abundance Ion 43.00 (42.70 to 43.70): VN056585.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056585.D (-1126) (-)

Time-->

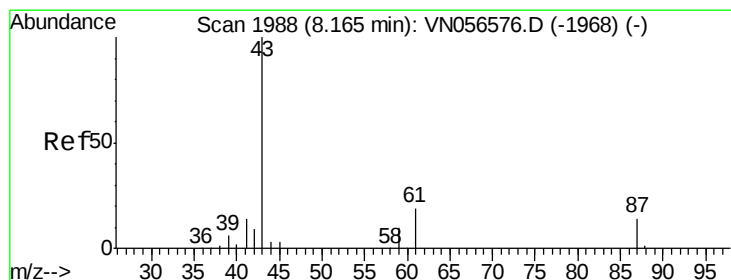
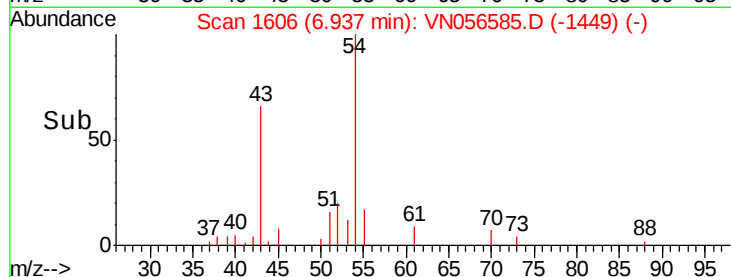
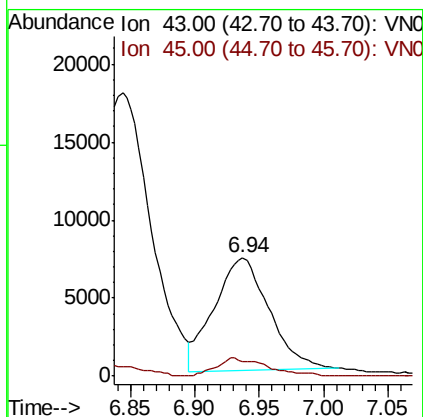
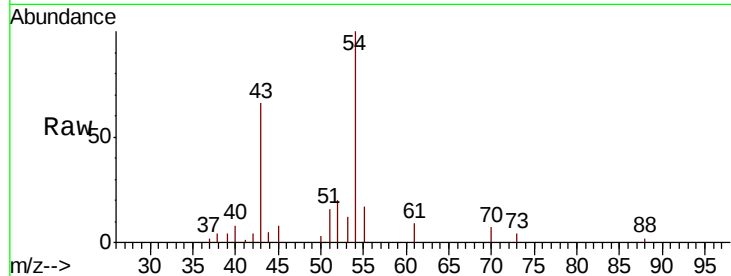




#43
Ethyl Acetate
Concen: 5.115 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

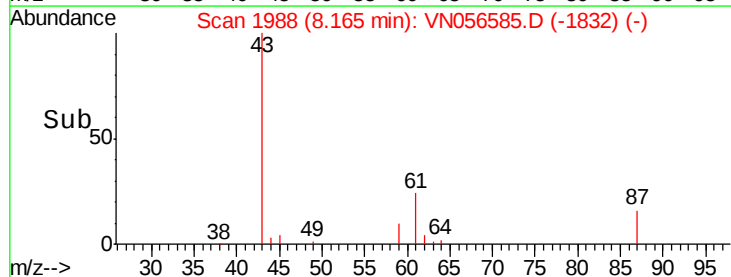
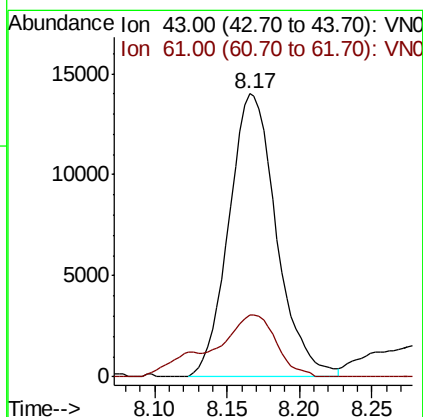
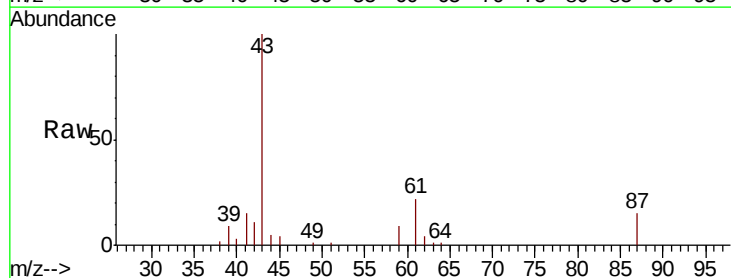
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

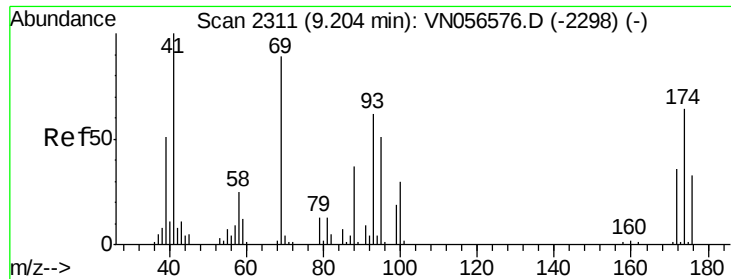
Tot Ion: 43 Resp: 21541
Ion Ratio Lower Upper
43 100
45 8.3 12.3 18.5#



#44
Isopropyl Acetate
Concen: 4.875 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 43 Resp: 32033
Ion Ratio Lower Upper
43 100
61 21.2 16.9 25.3

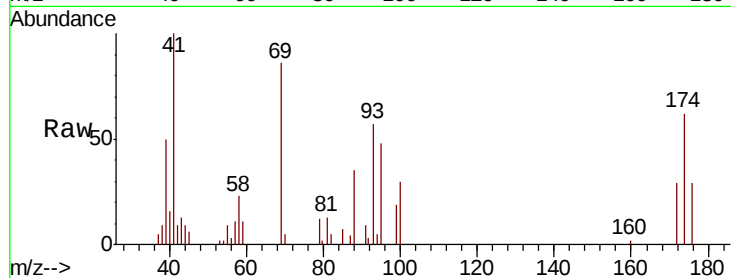




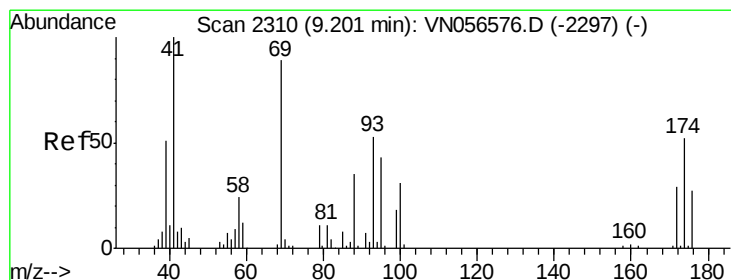
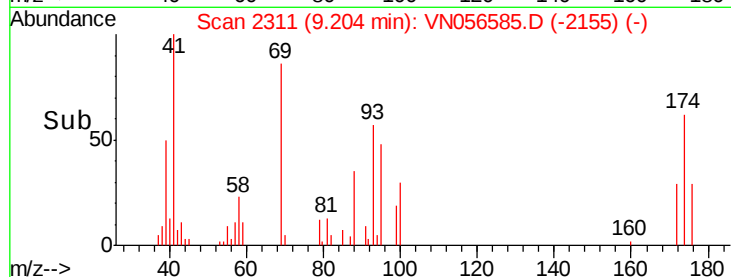
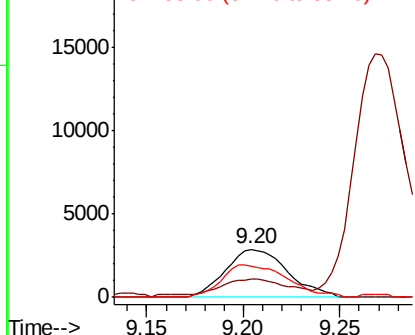
#45
 1,4-Dioxane
 Concen: 99.683 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

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

Tot Ion: 88 Resp: 6409
 Ion Ratio Lower Upper
 88 100
 43 31.8 19.8 29.6#
 58 72.7 48.5 72.7

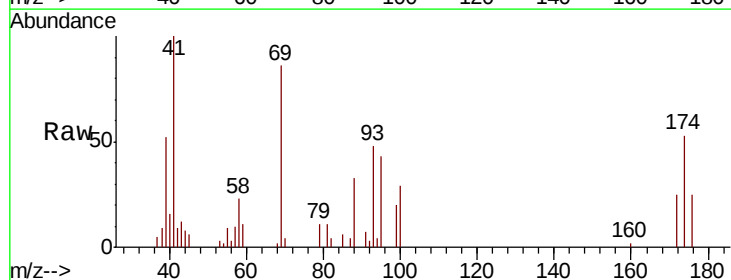


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

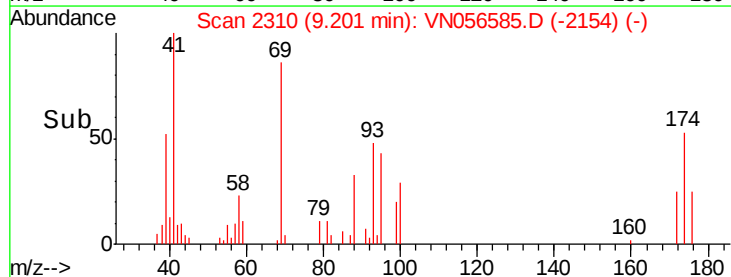
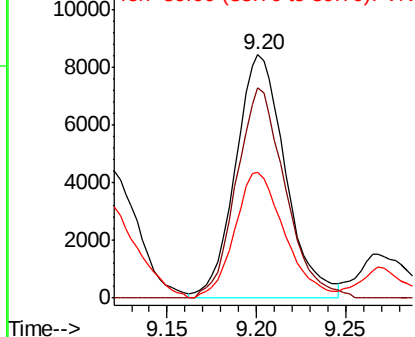


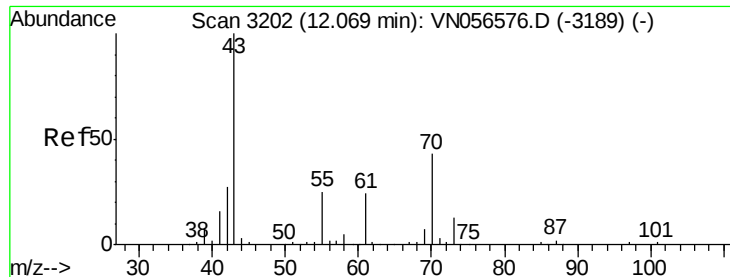
#46
 Methyl methacrylate
 Concen: 5.110 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 41 Resp: 16498
 Ion Ratio Lower Upper
 41 100
 69 87.9 46.0 137.8
 39 52.7 24.6 73.8



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

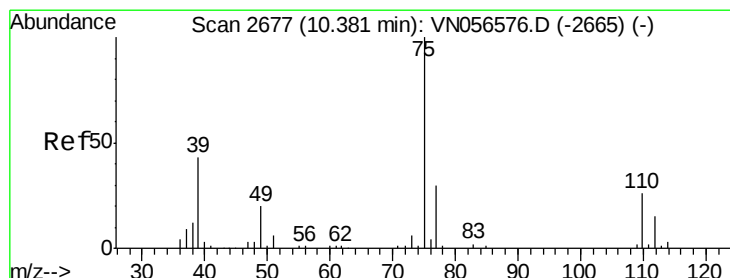
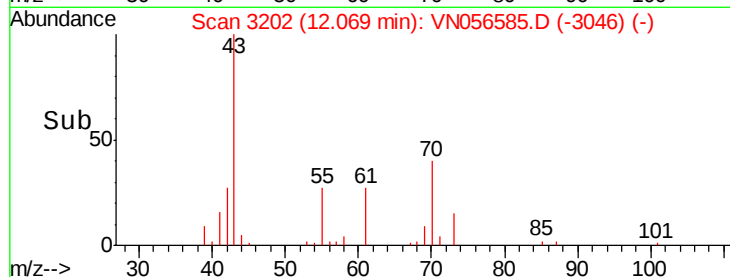
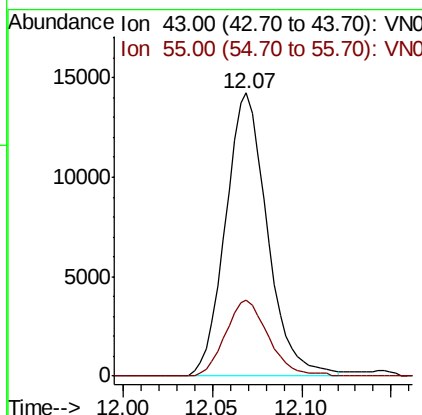
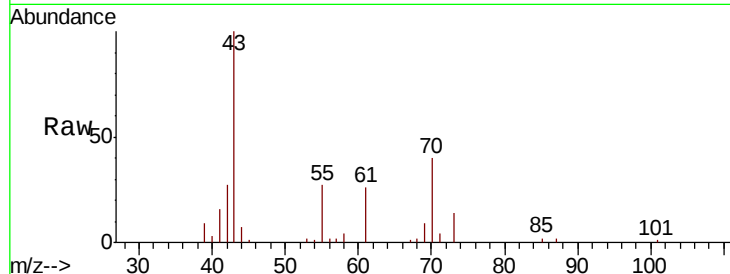




#47
n-amyl Acetate
Concen: 4.260 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

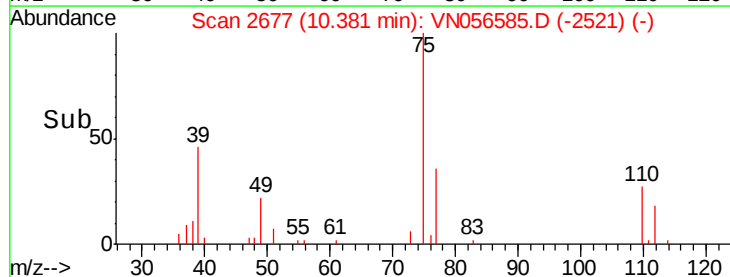
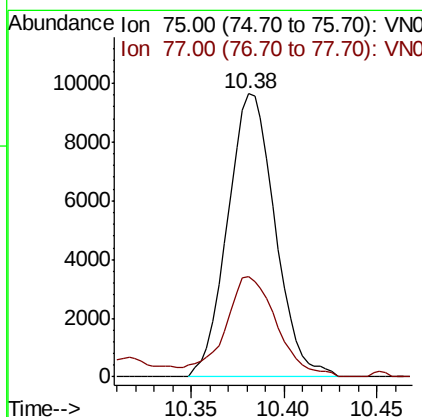
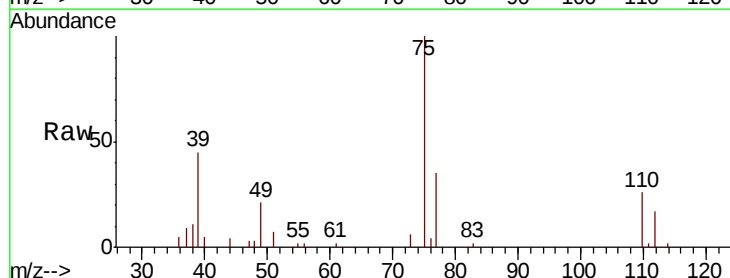
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

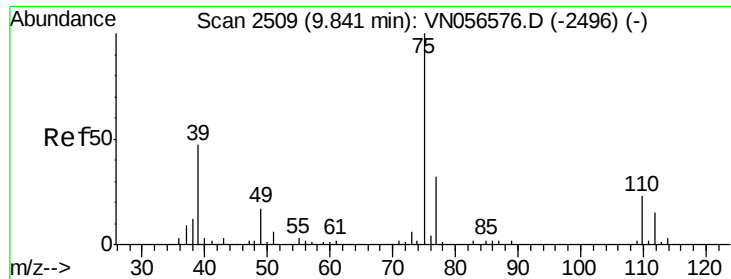
Tot Ion: 43 Resp: 23267
Ion Ratio Lower Upper
43 100
55 27.4 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 4.217 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 75 Resp: 17116
Ion Ratio Lower Upper
75 100
77 35.3 26.0 39.0

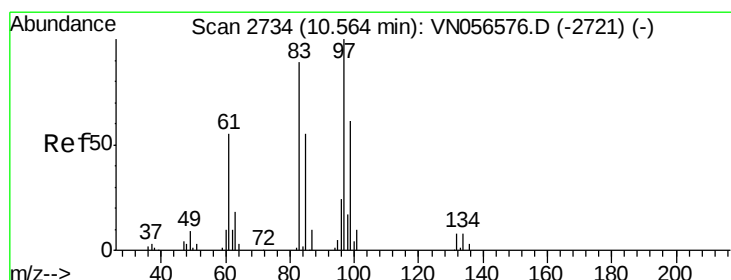
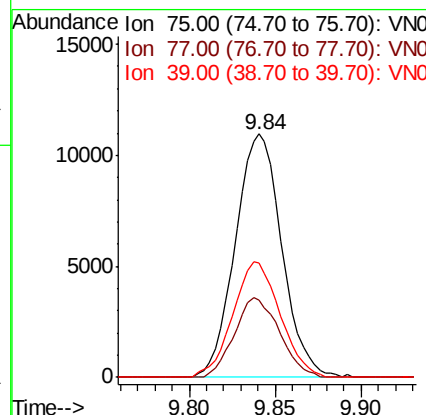
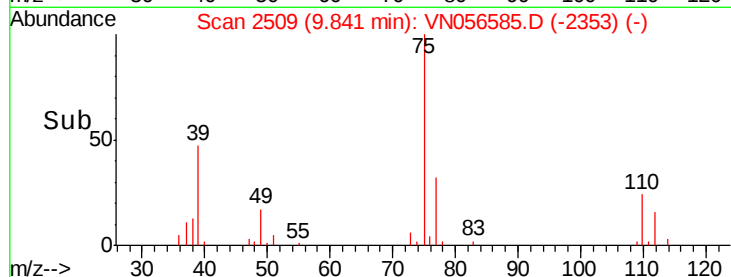
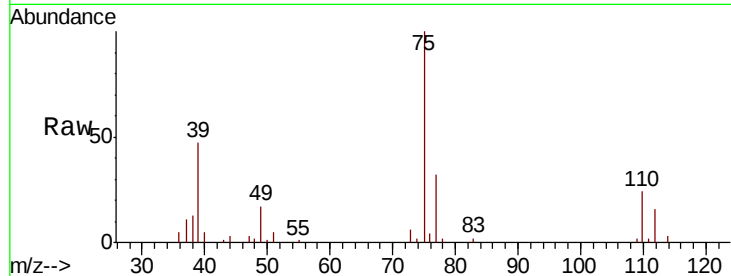




#49
 cis-1,3-Dichloropropene
 Concen: 4.401 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

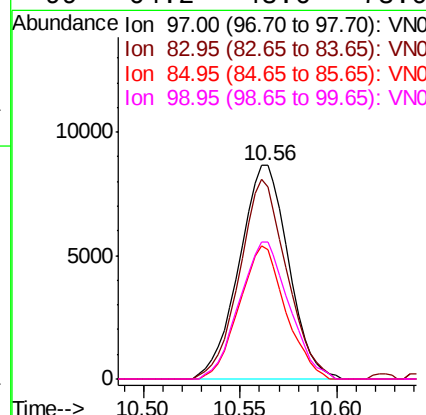
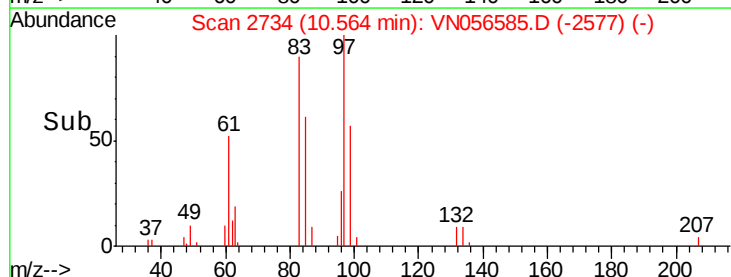
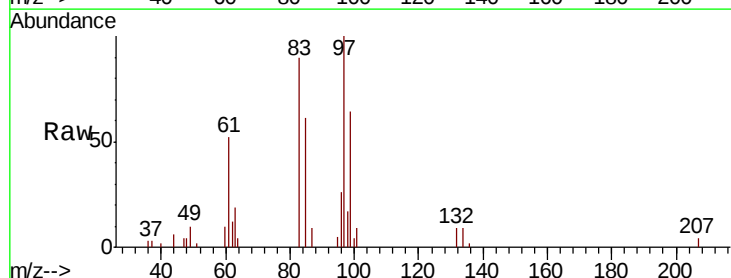
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

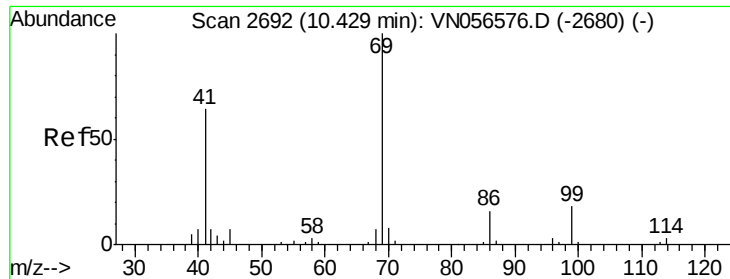
Tot Ion: 75 Resp: 20606
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 46.7 34.3 51.5



#50
 1,1,2-Trichloroethane
 Concen: 5.115 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 97 Resp: 15397
 Ion Ratio Lower Upper
 97 100
 83 89.8 66.9 100.3
 85 60.7 43.3 64.9
 99 64.2 48.6 73.0





#51

Ethyl methacrylate

Concen: 4.753 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

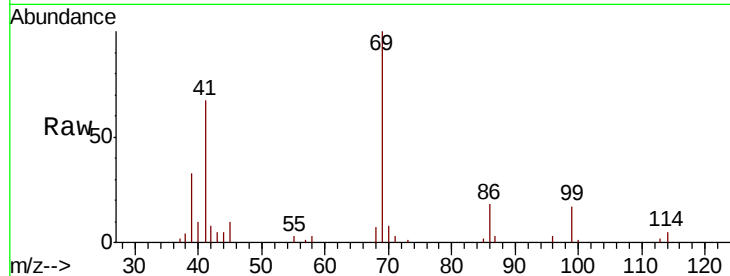
Tot Ion: 69 Resp: 22536

Ion	Ratio	Lower	Upper
69	100		
41	67.0	30.8	92.3
39	32.3	14.5	43.6

69 100

41 67.0 30.8 92.3

39 32.3 14.5 43.6

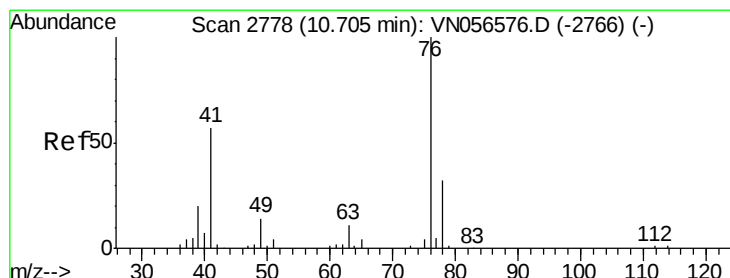
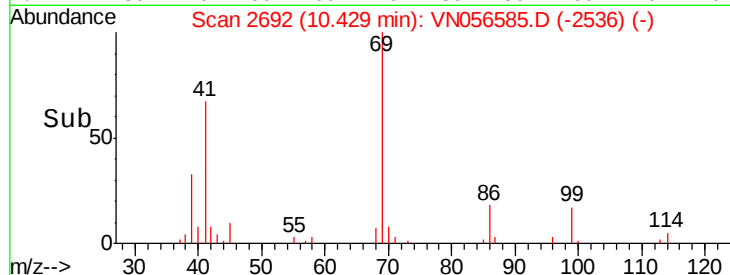
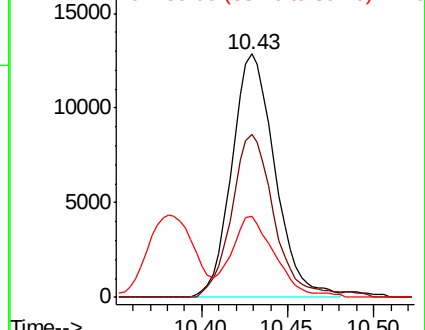


Abundance

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



#52

1,3-Dichloropropane

Concen: 5.369 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056585.D

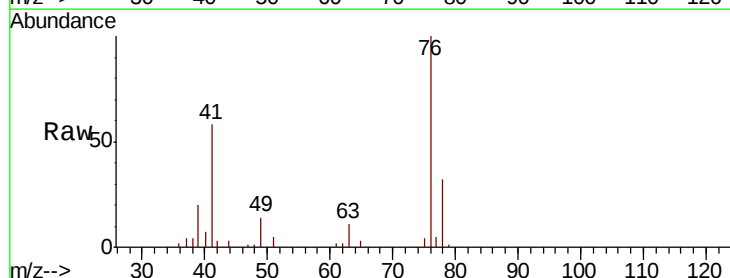
Acq: 3 Jul 2019 14:11

Tgt Ion: 76 Resp: 27466

Ion	Ratio	Lower	Upper
76	100		
78	30.5	0.0	63.4

76 100

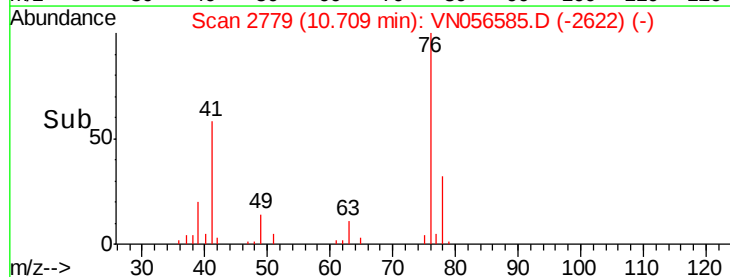
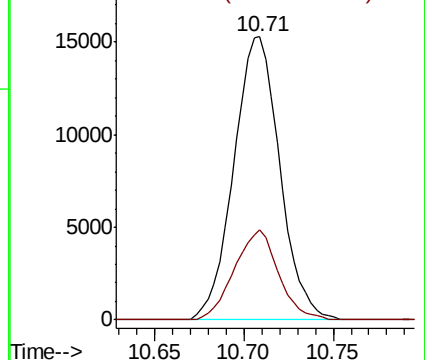
78 30.5 0.0 63.4

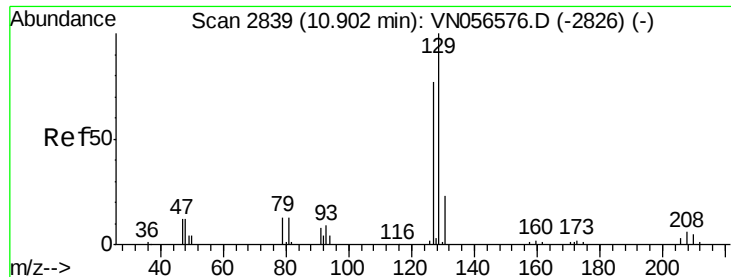


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

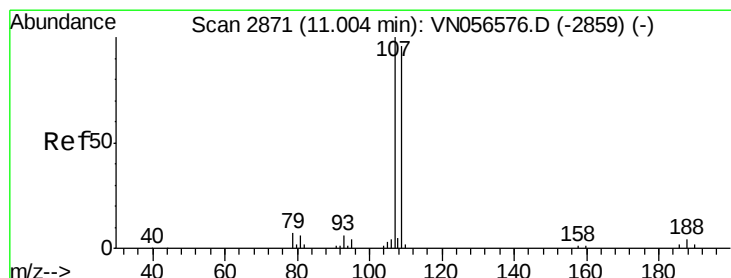
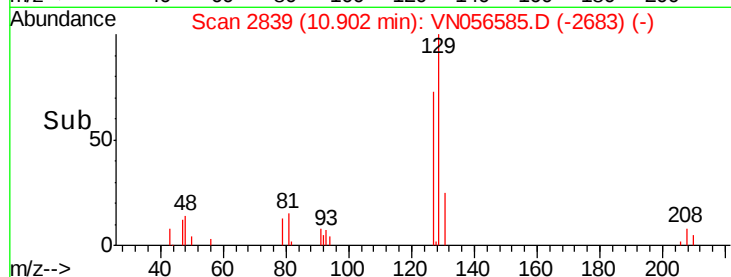
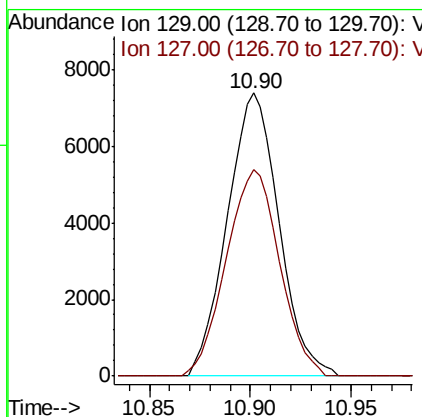
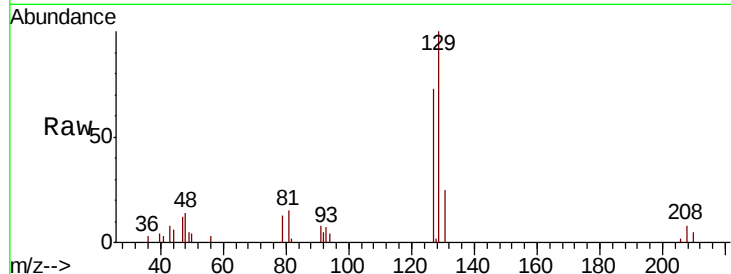




#53
 Dibromochloromethane
 Concen: 4.484 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

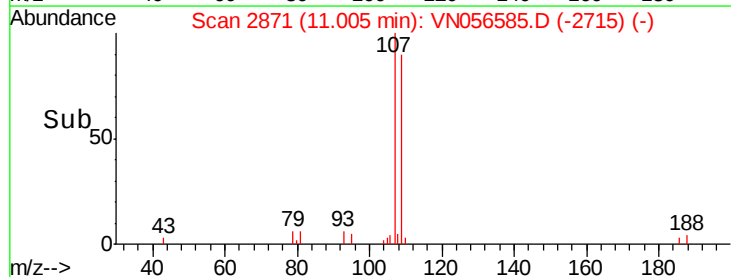
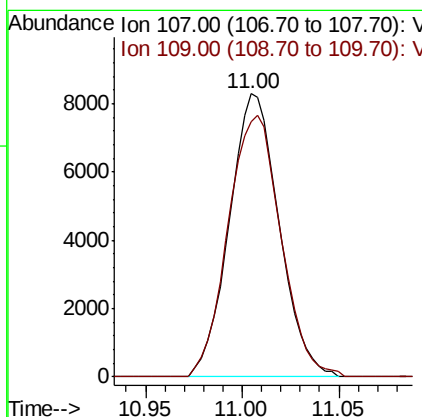
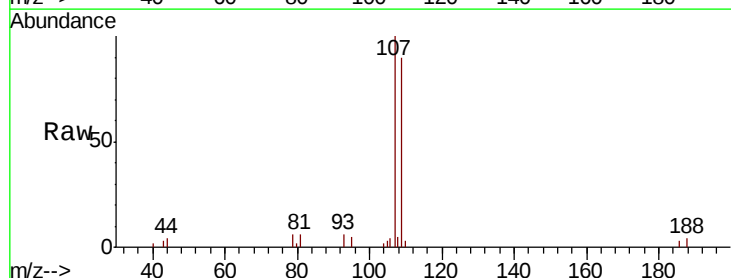
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

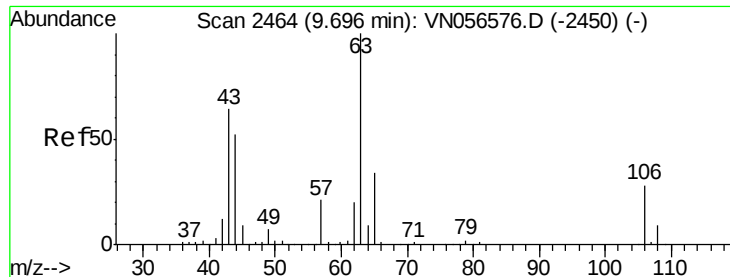
Tot Ion:129 Resp: 13230
 Ion Ratio Lower Upper
 129 100
 127 75.3 39.1 117.5



#54
 1,2-Dibromoethane
 Concen: 4.735 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion:107 Resp: 14852
 Ion Ratio Lower Upper
 107 100
 109 98.1 76.8 115.2

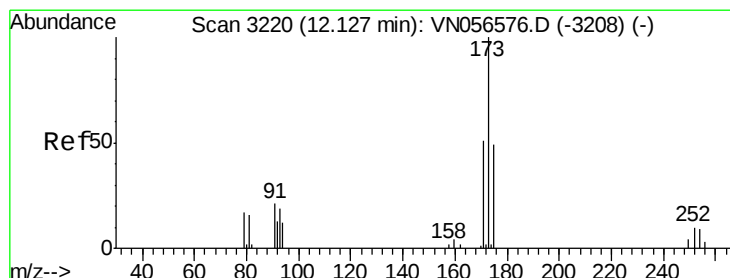
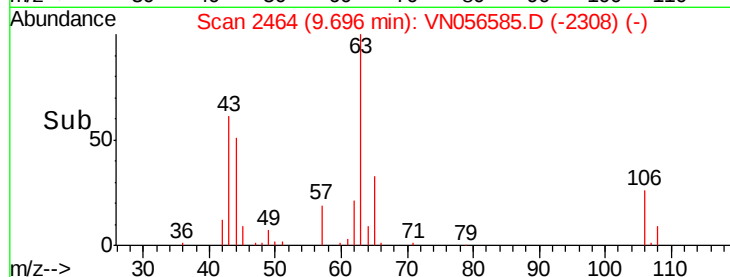
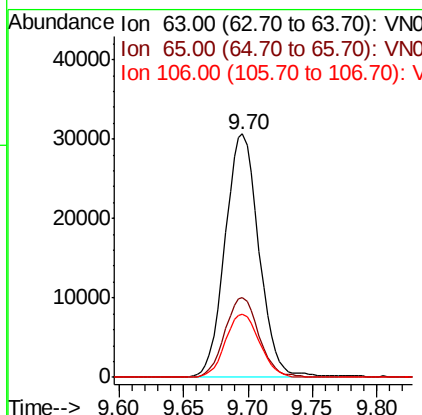
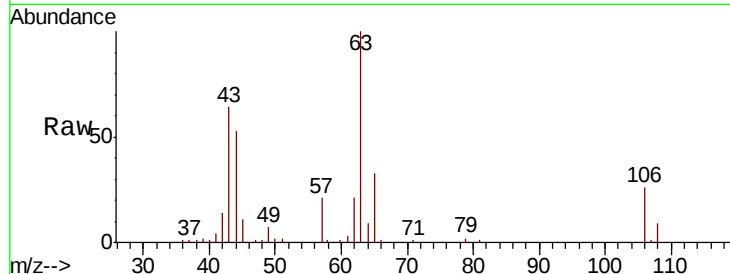




#55
2-Chloroethyl vinyl ether
Concen: 23.174 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

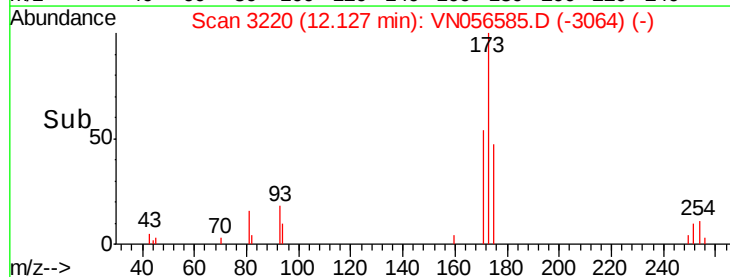
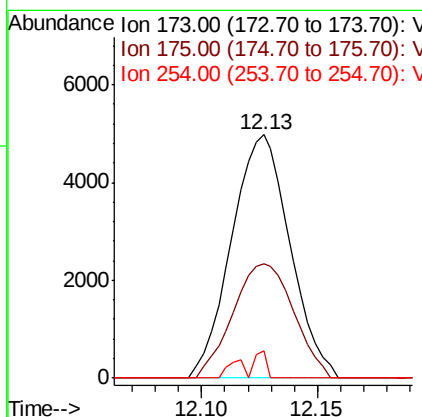
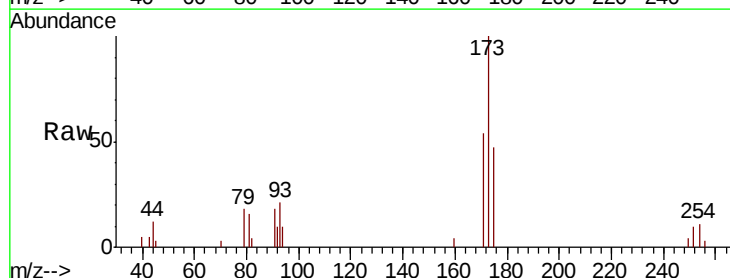
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

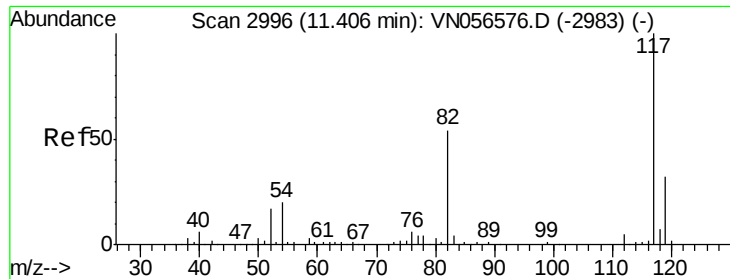
Tot Ion: 63 Resp: 55990
Ion Ratio Lower Upper
63 100
65 32.9 25.5 38.3
106 26.3 23.0 34.4



#56
Bromoform
Concen: 4.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 173 Resp: 8695
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 2.3 6.6 9.8#

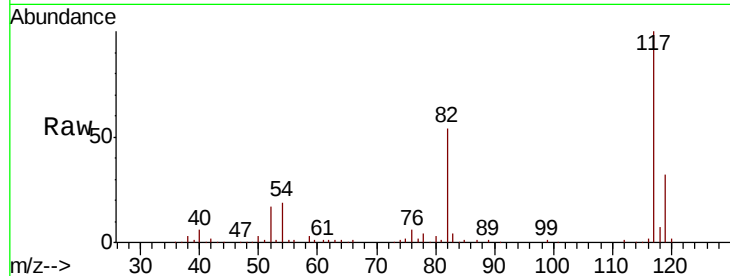




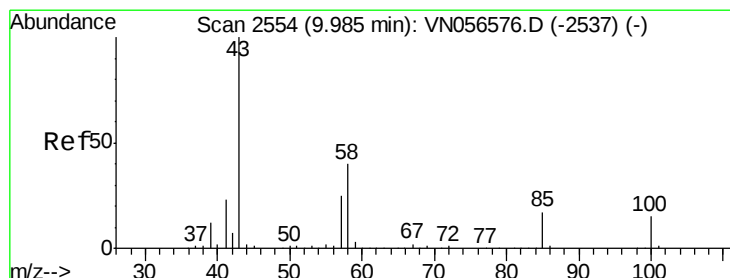
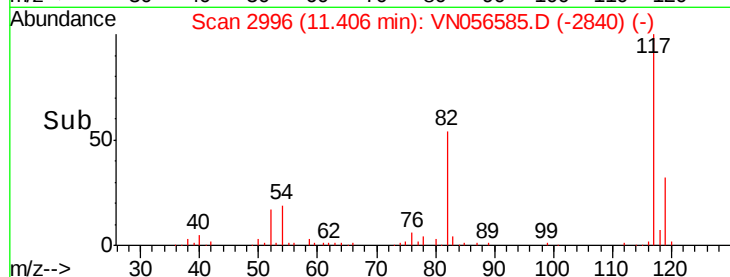
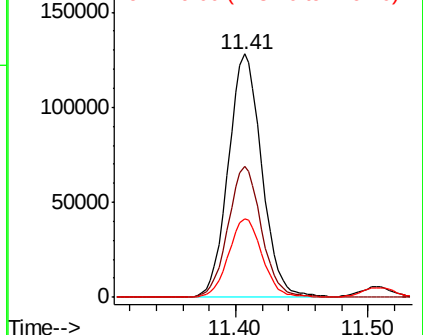
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:117 Resp: 224622
Ion Ratio Lower Upper
117 100
82 53.7 41.2 61.8
119 32.3 26.2 39.2

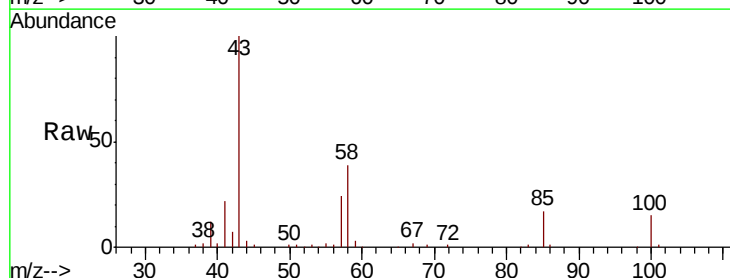


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

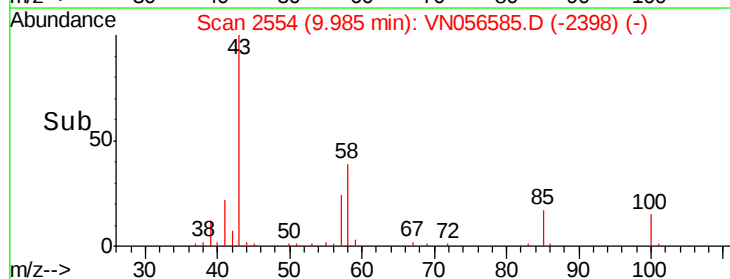
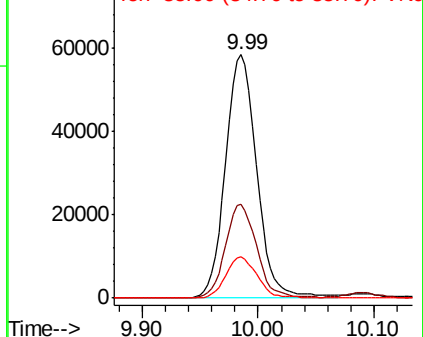


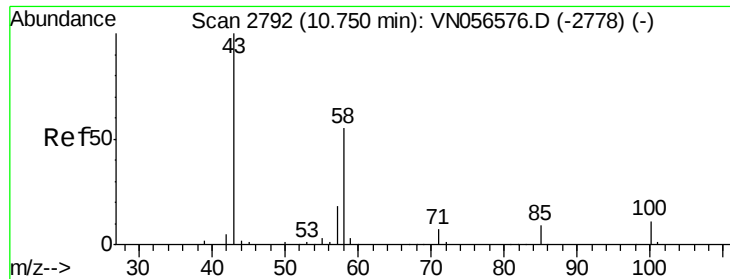
#58
4-Methyl-2-Pentanone
Concen: 27.052 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 43 Resp: 109252
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7
85 16.9 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

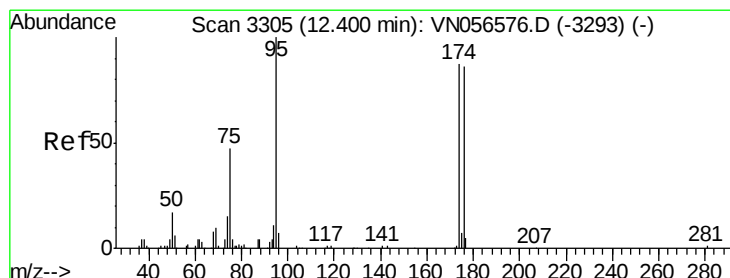
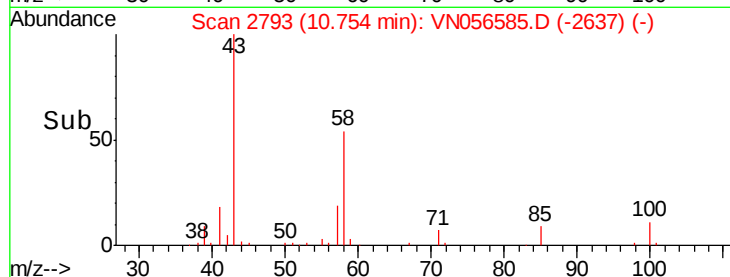
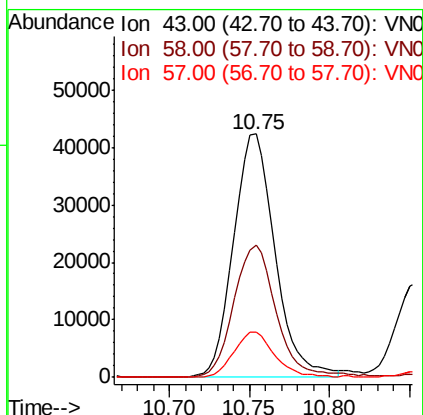
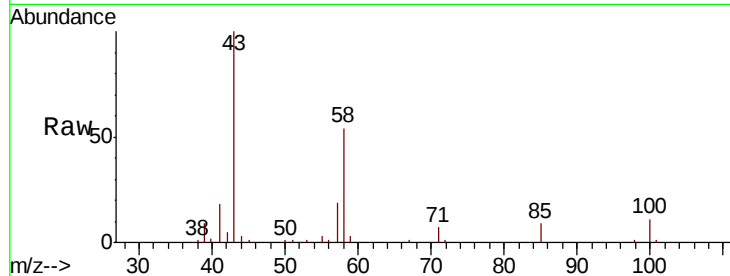




#59
2-Hexanone
Concen: 25.093 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

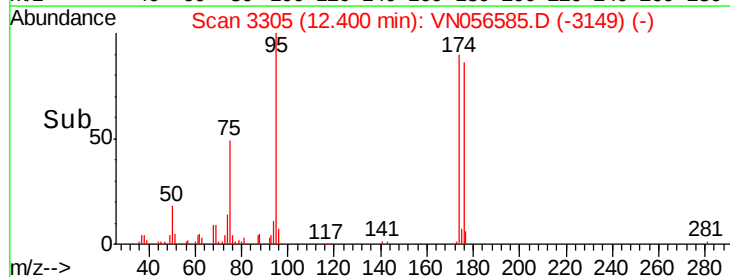
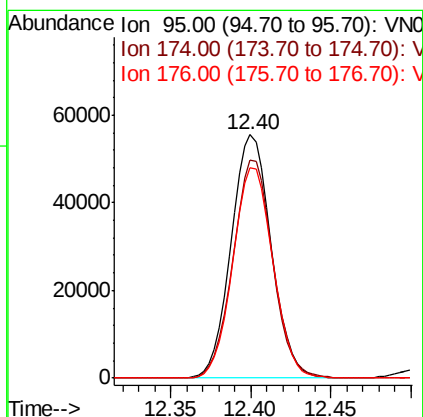
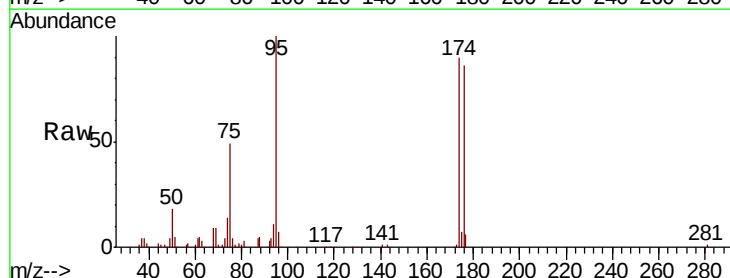
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

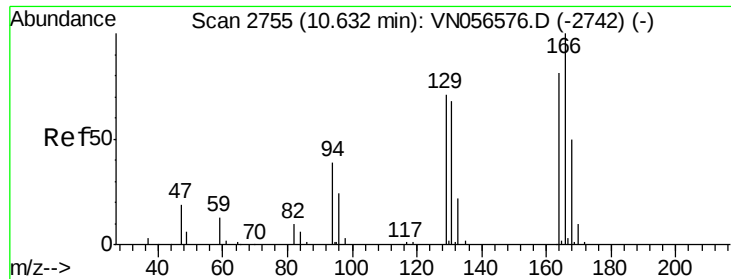
Tot Ion: 43 Resp: 75200
Ion Ratio Lower Upper
43 100
58 55.4 45.3 67.9
57 18.2 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 27.474 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 95 Resp: 94829
Ion Ratio Lower Upper
95 100
174 88.4 75.4 113.0
176 86.4 73.9 110.9

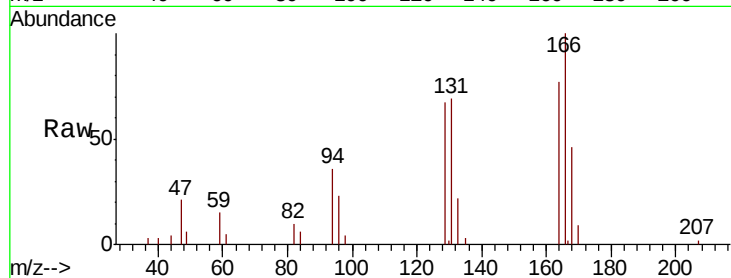




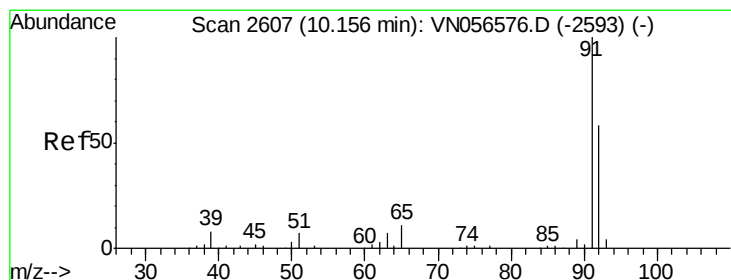
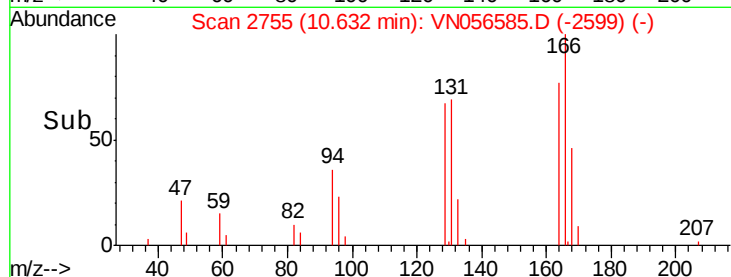
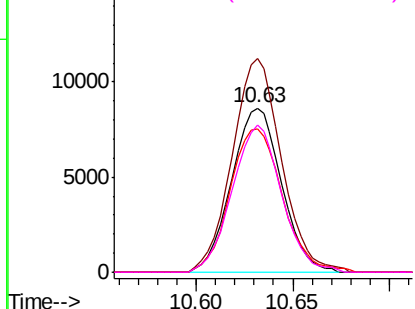
#61
Tetrachloroethene
Concen: 5.501 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:164 Resp: 15509
Ion Ratio Lower Upper
164 100
166 129.9 104.3 156.5
129 87.0 71.5 107.3
131 89.2 67.7 101.5

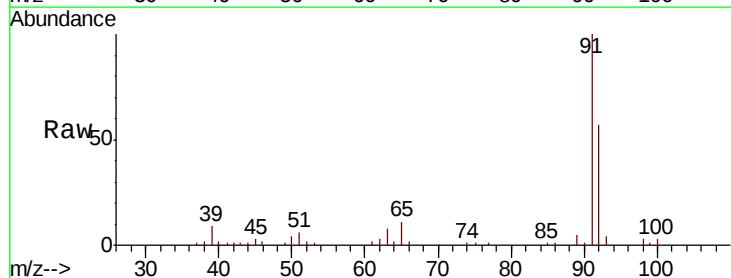


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

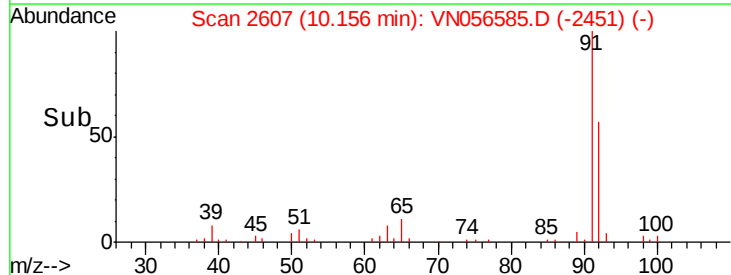
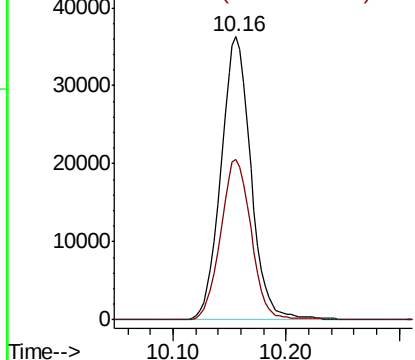


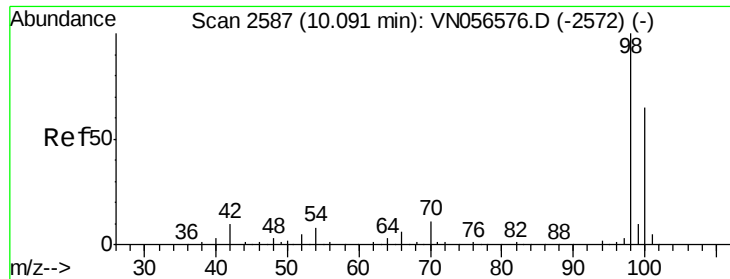
#62
Toluene
Concen: 5.333 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 91 Resp: 66860
Ion Ratio Lower Upper
91 100
92 57.3 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.989 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

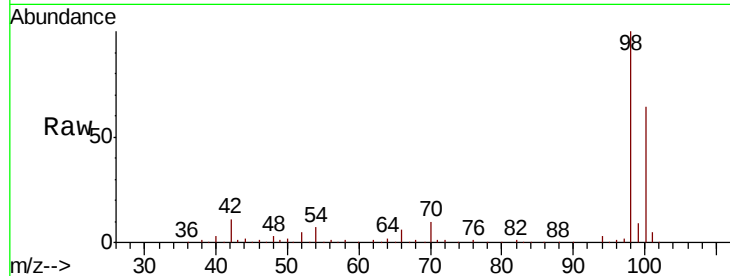
LOQ-WATER-02-QT3-2019

Tot Ion: 98 Resp: 323459

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-2572) (-)

10.09

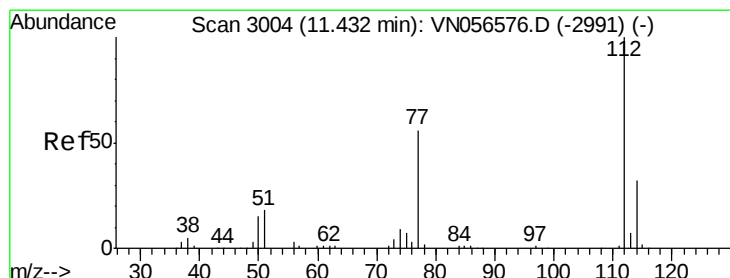
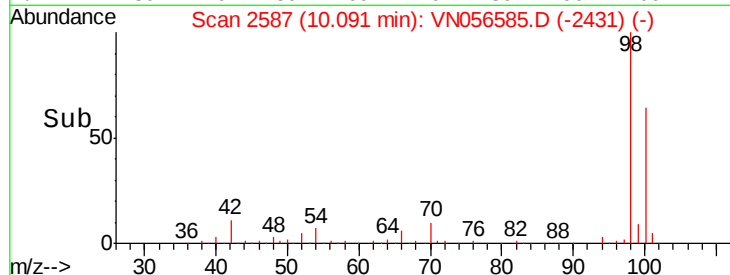
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 5.179 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056585.D

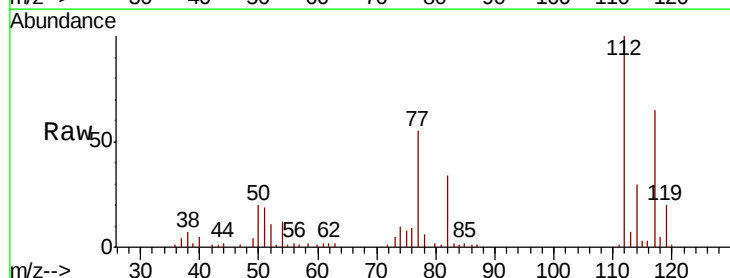
Acq: 3 Jul 2019 14:11

Tgt Ion: 112 Resp: 39114

Ion Ratio Lower Upper

112 100

114 29.7 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056576.D (-2991) (-)

11.43

25000

20000

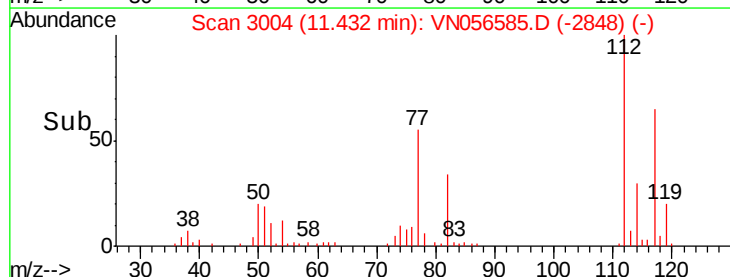
15000

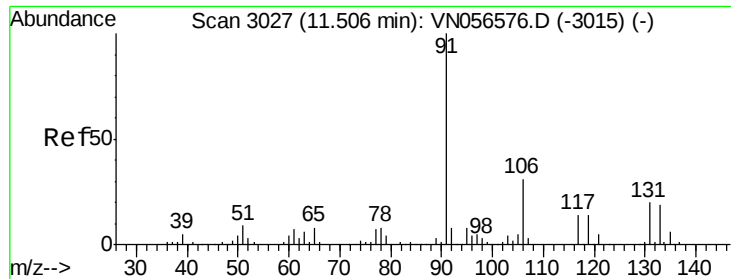
10000

5000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.037 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

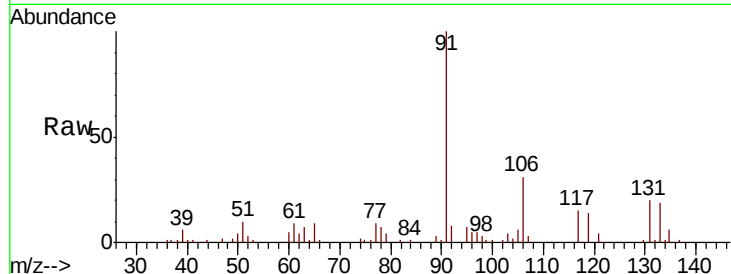
Tot Ion:131 Resp: 13700

Ion Ratio Lower Upper

131 100

133 93.2 0.0 193.8

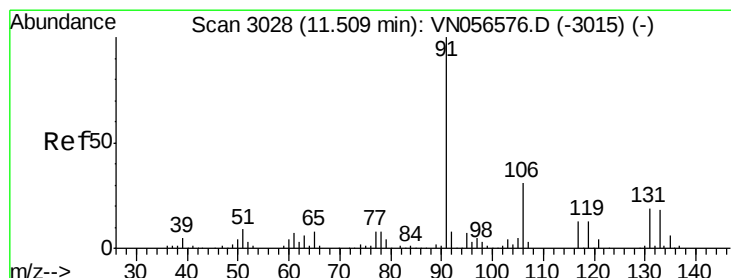
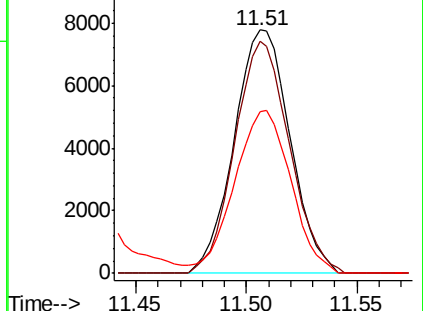
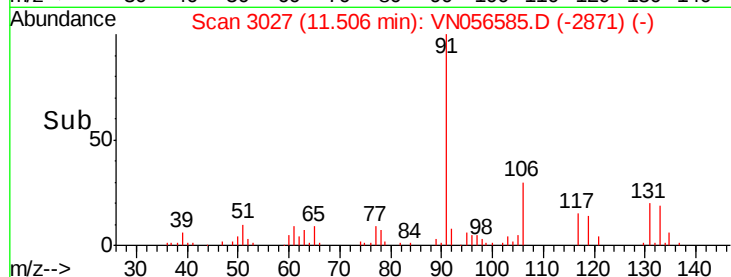
119 67.6 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.098 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056585.D

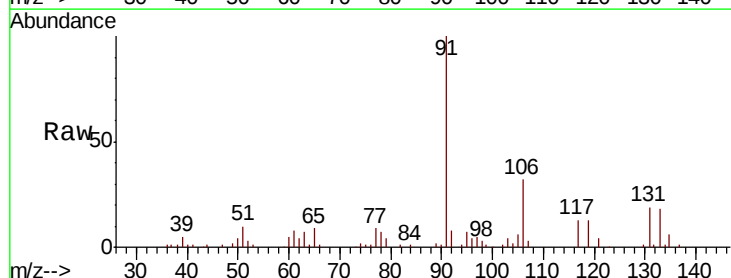
Acq: 3 Jul 2019 14:11

Tgt Ion: 91 Resp: 69299

Ion Ratio Lower Upper

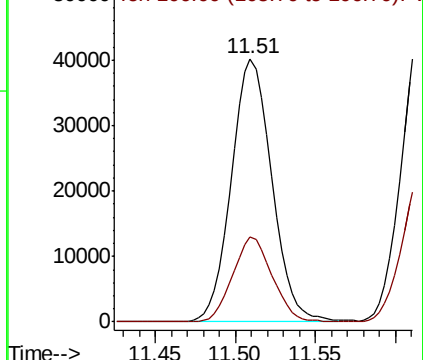
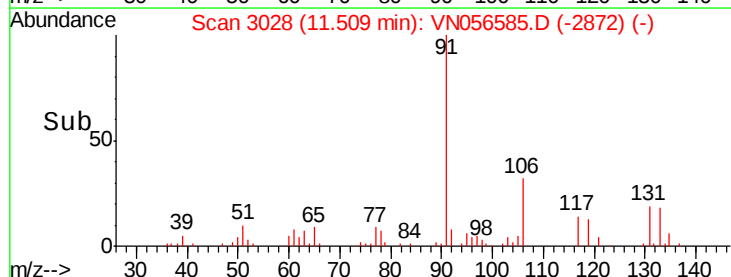
91 100

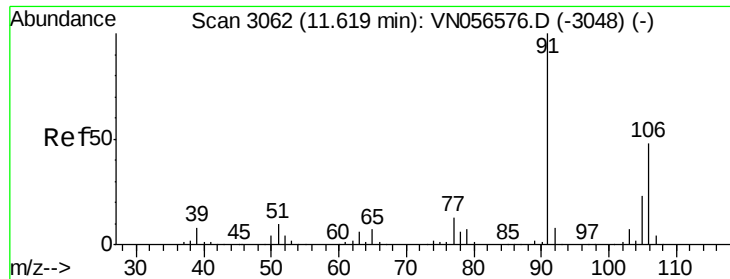
106 32.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

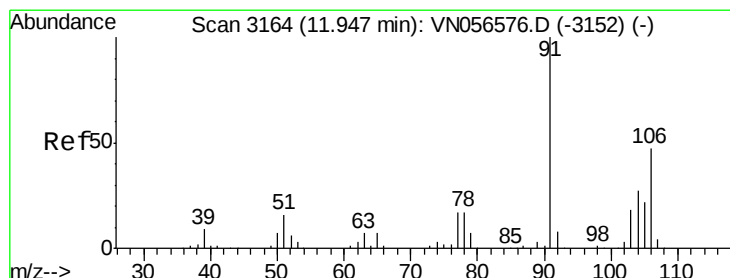
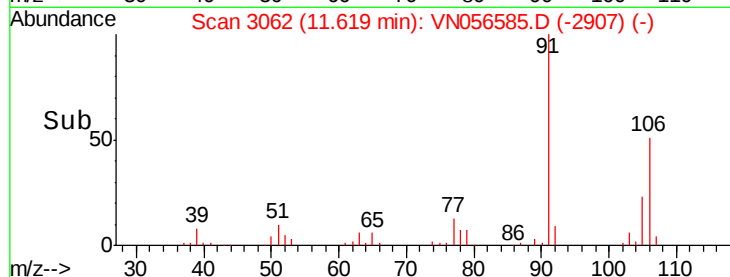
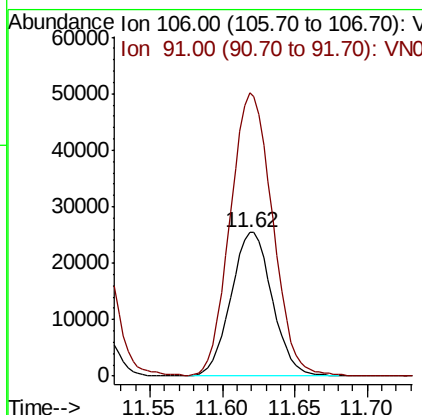
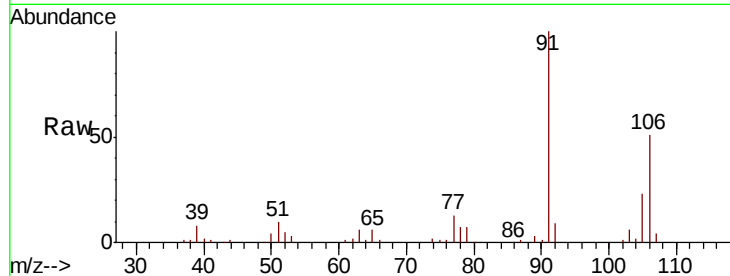




#67
m/p-Xylenes
Concen: 10.081 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

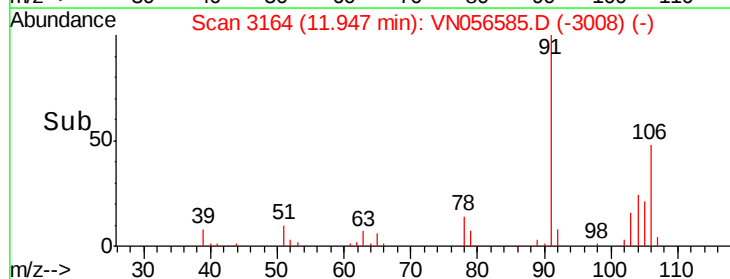
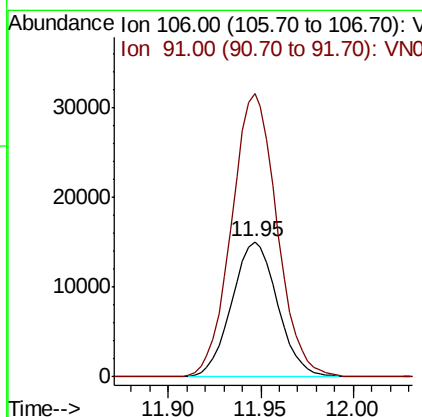
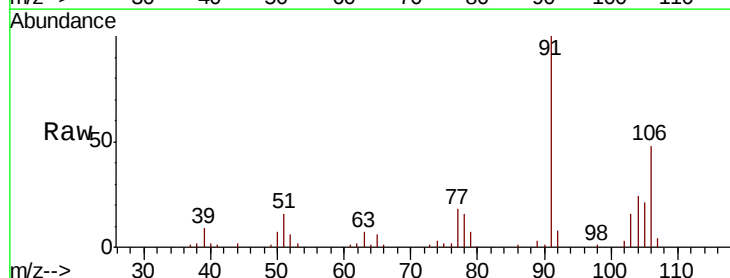
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

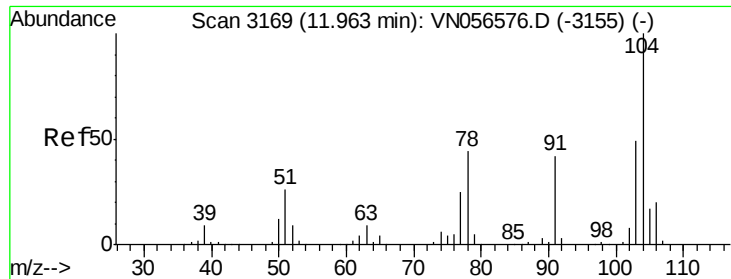
Tot Ion:106 Resp: 50572
Ion Ratio Lower Upper
106 100
91 201.4 155.7 233.5



#68
o-Xylene
Concen: 5.203 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion:106 Resp: 25811
Ion Ratio Lower Upper
106 100
91 208.5 103.9 311.7

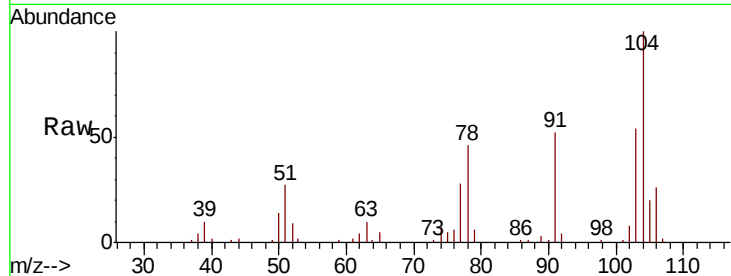




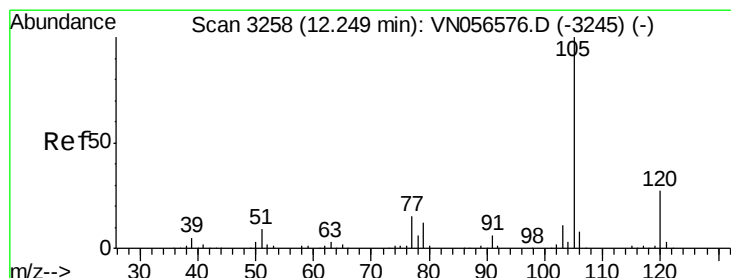
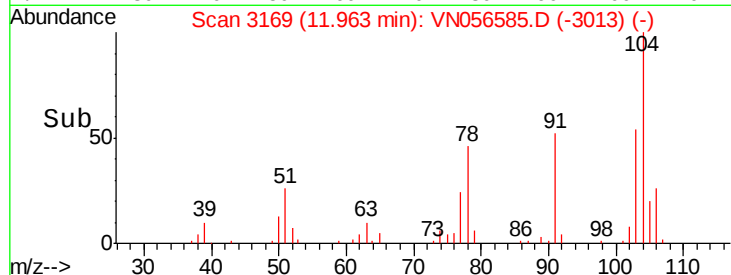
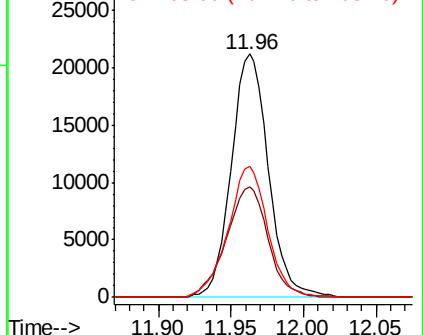
#69
Stvrene
Concen: 4.578 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:104 Resp: 37784
Ion Ratio Lower Upper
104 100
78 50.4 37.0 55.6
103 57.2 44.4 66.6

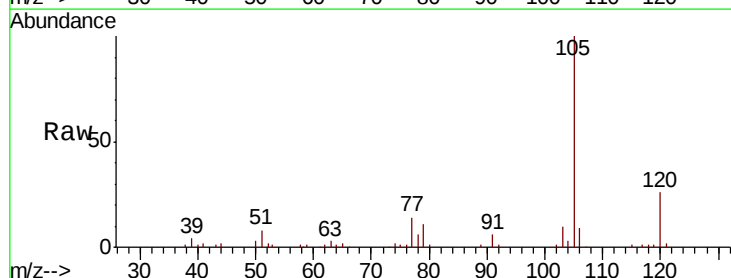


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

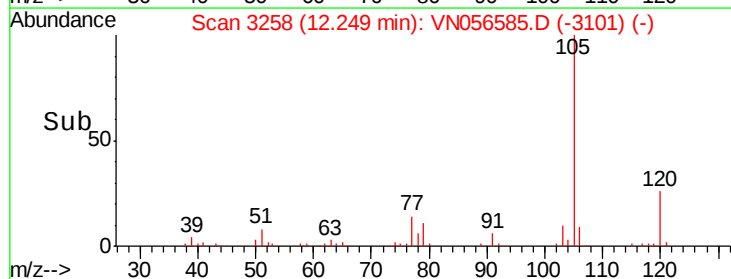
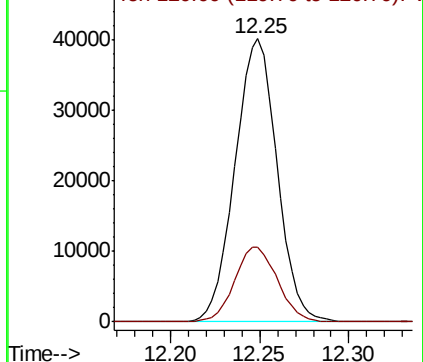


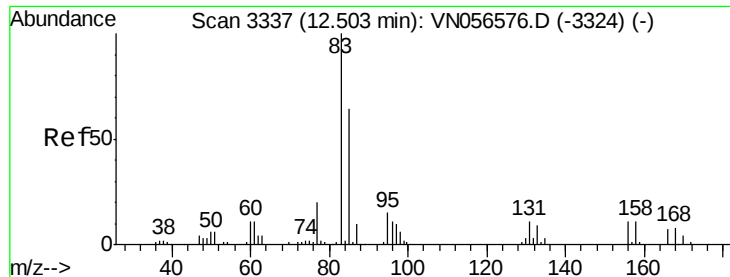
#70
Isopropylbenzene
Concen: 5.086 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion:105 Resp: 65828
Ion Ratio Lower Upper
105 100
120 26.9 19.3 35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

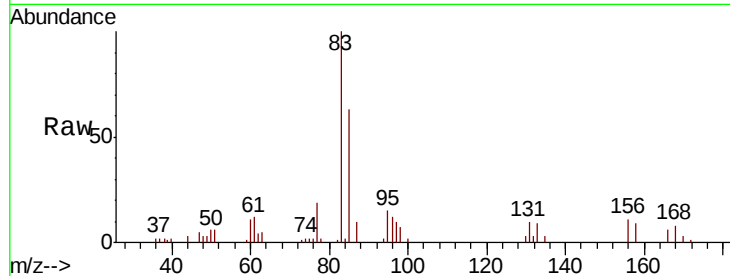




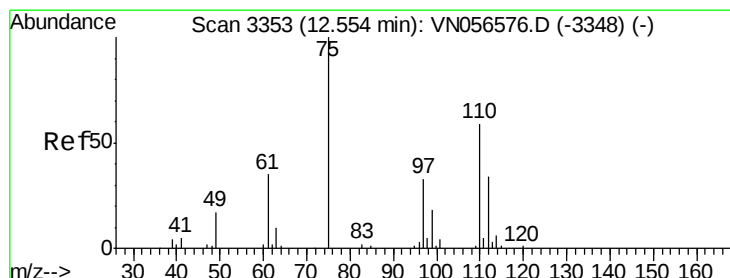
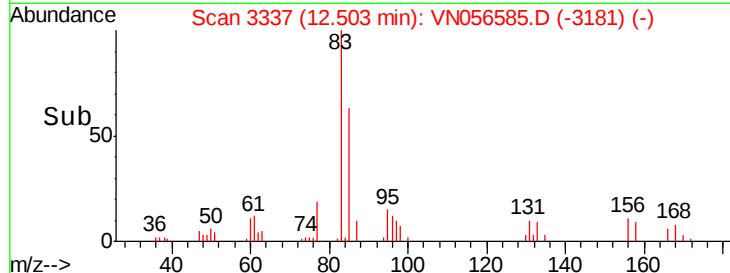
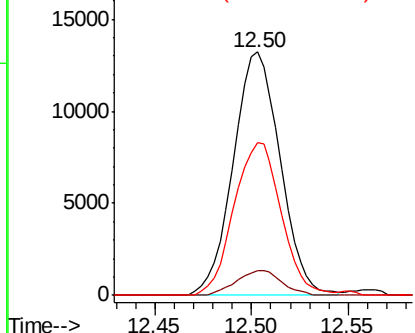
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.226 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

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

Tot Ion: 83 Resp: 22363
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.2 15.6
 85 63.1 31.6 94.7

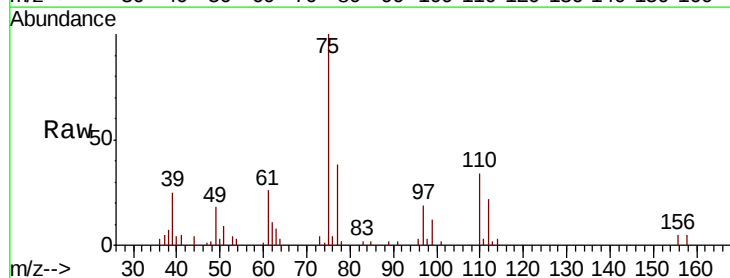


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

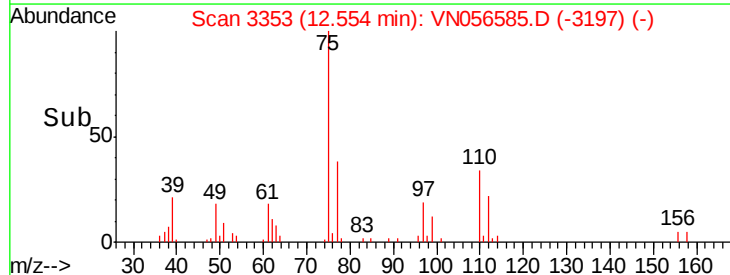
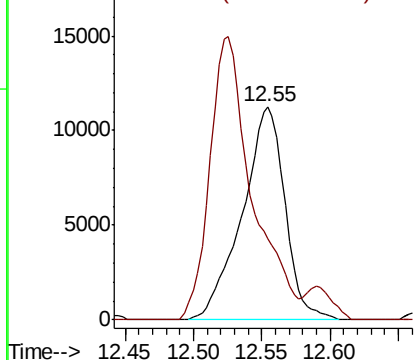


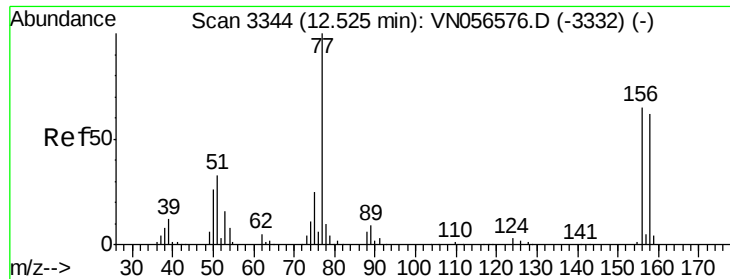
#72
 1,2,3-Trichloropropane
 Concen: 6.824 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion: 75 Resp: 24557
 Ion Ratio Lower Upper
 75 100
 77 130.7 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.782 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

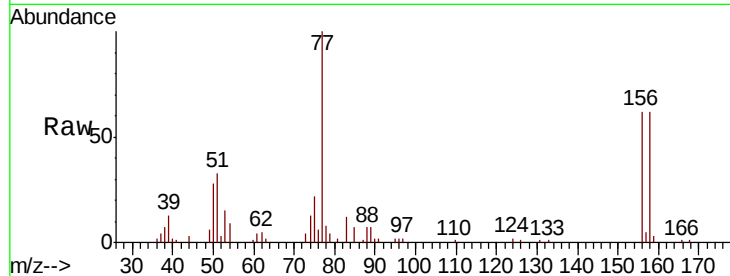
Tot Ion:156 Resp: 15963

Ion Ratio Lower Upper

156 100

77 201.0 0.0 350.8

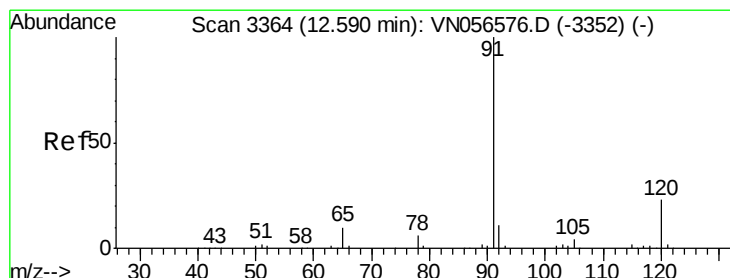
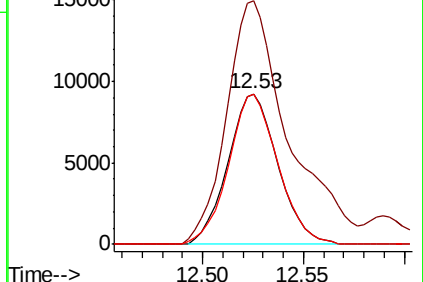
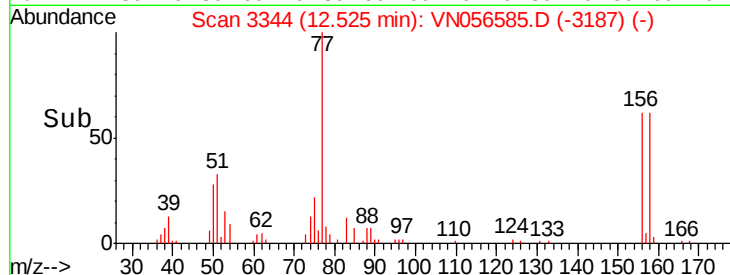
158 98.7 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.753 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056585.D

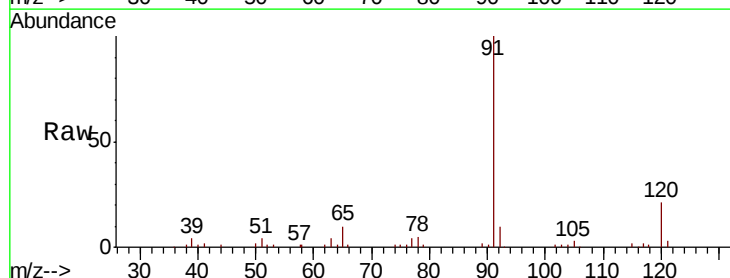
Acq: 3 Jul 2019 14:11

Tgt Ion: 91 Resp: 69797

Ion Ratio Lower Upper

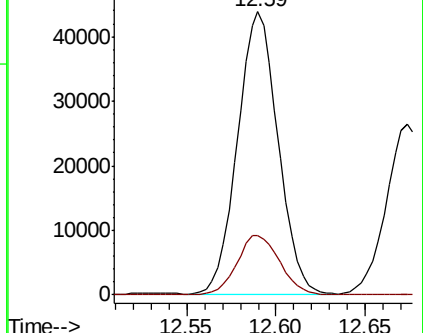
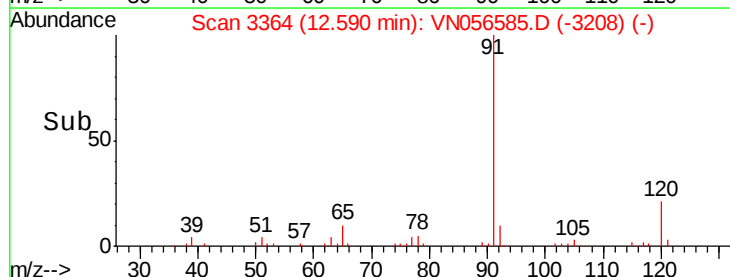
91 100

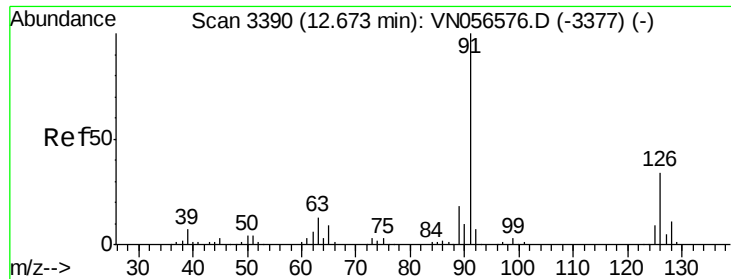
120 22.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.978 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

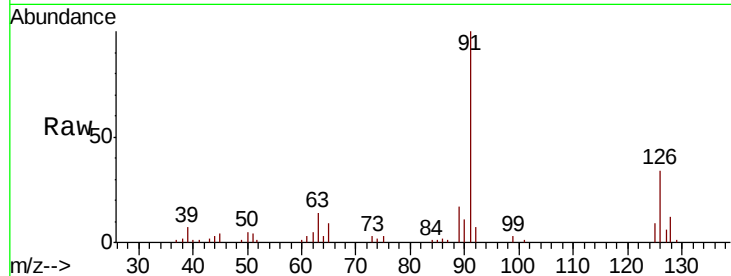
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 43714

Ion Ratio Lower Upper

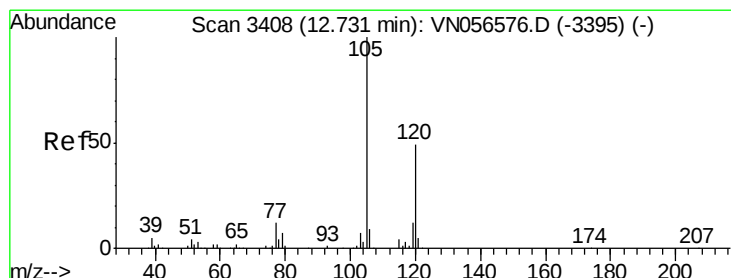
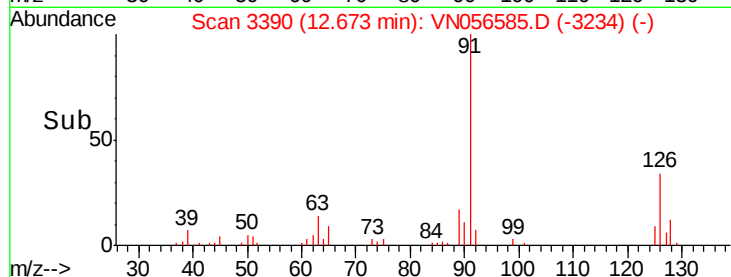
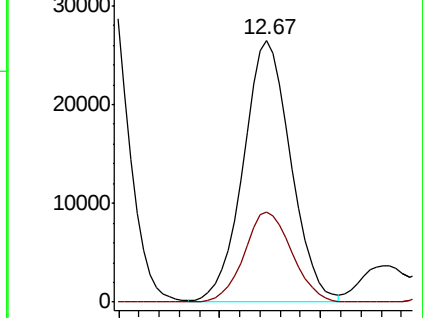
91 100

126 34.3 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.926 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056585.D

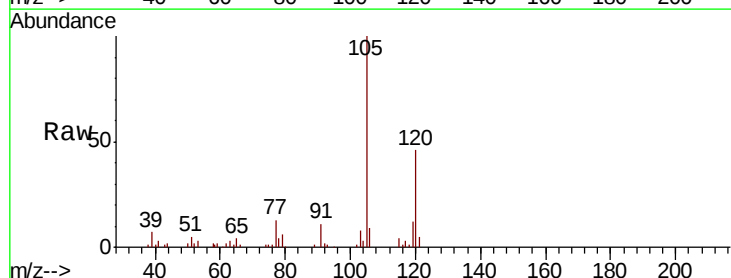
Acq: 3 Jul 2019 14:11

Tgt Ion:105 Resp: 53988

Ion Ratio Lower Upper

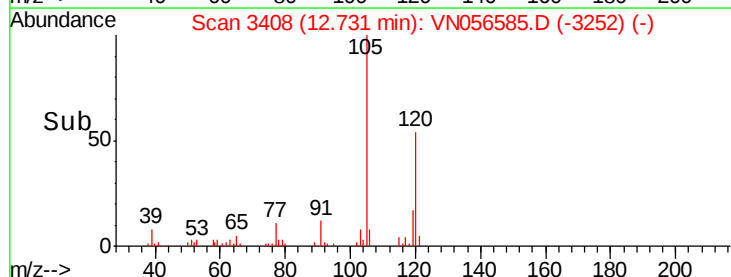
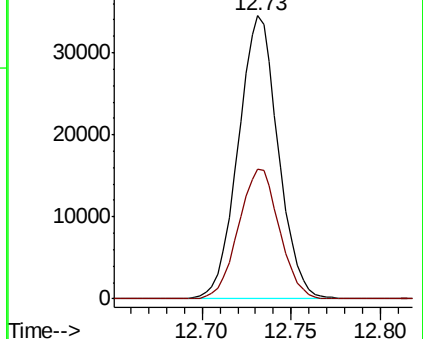
105 100

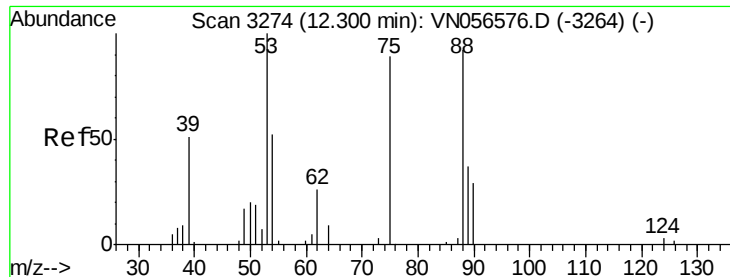
120 46.8 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.554 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

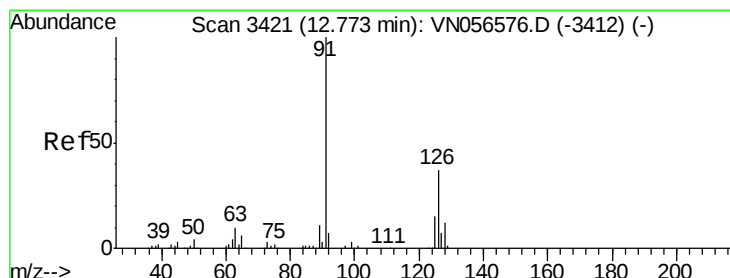
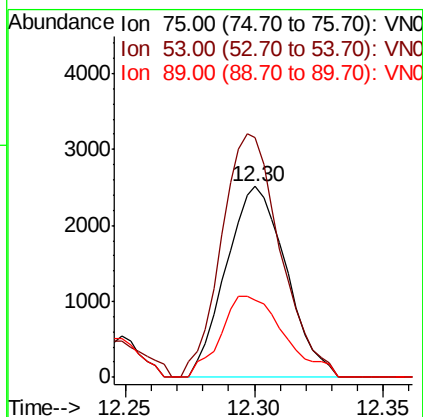
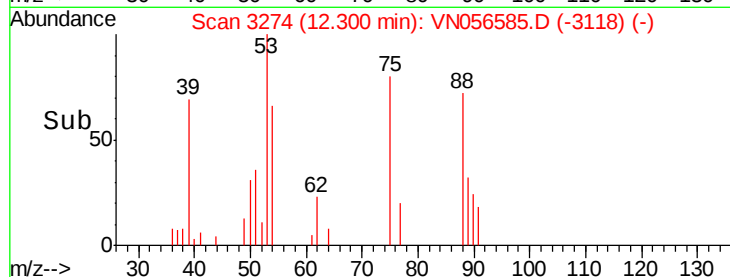
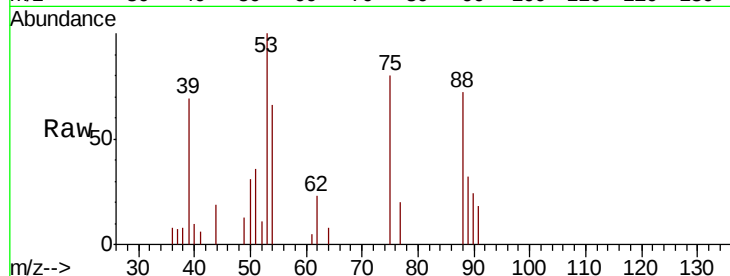
Tot Ion: 75 Resp: 4096

Ion Ratio Lower Upper

75 100

53 125.3 48.0 144.0

89 40.3 22.5 67.5



#78

4-Chlorotoluene

Concen: 4.697 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056585.D

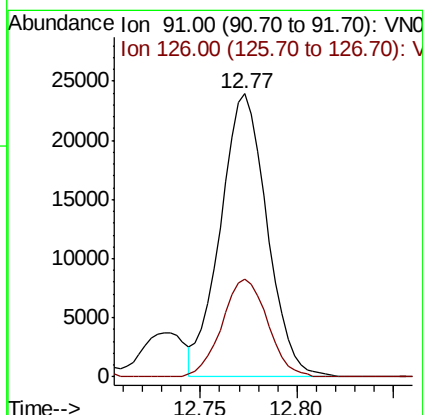
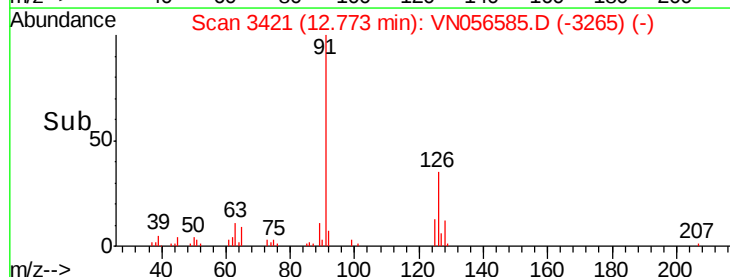
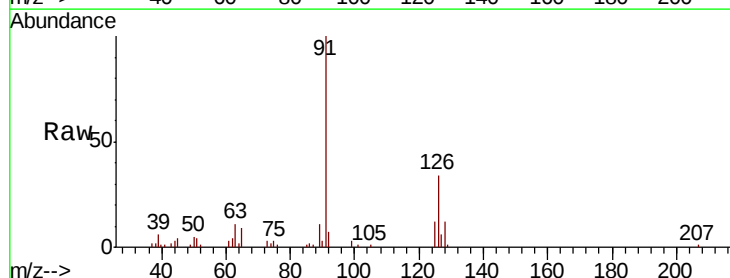
Acq: 3 Jul 2019 14:11

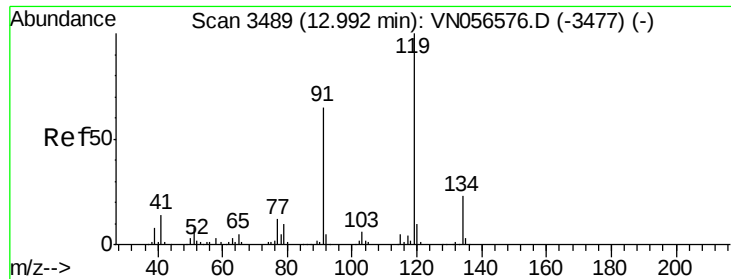
Tgt Ion: 91 Resp: 40114

Ion Ratio Lower Upper

91 100

126 33.6 0.0 71.8

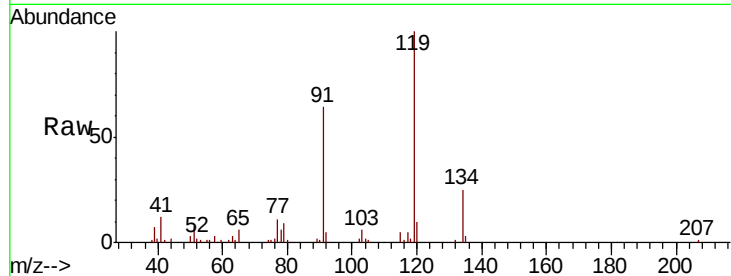




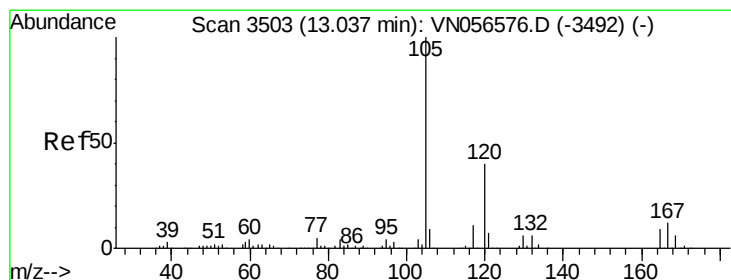
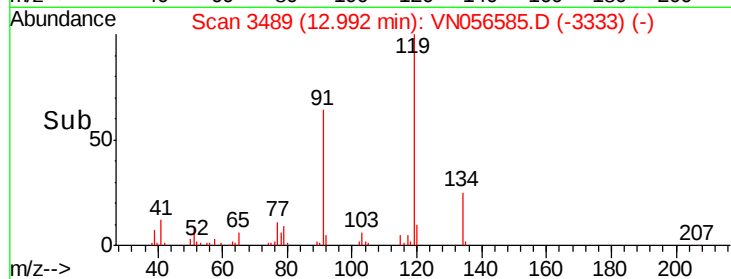
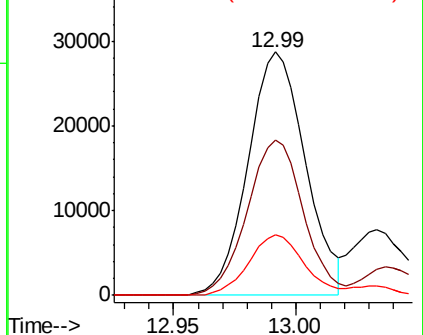
#79
tert-butylbenzene
Concen: 5.014 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:119 Resp: 46953
Ion Ratio Lower Upper
119 100
91 62.4 0.0 122.8
134 24.0 0.0 50.2

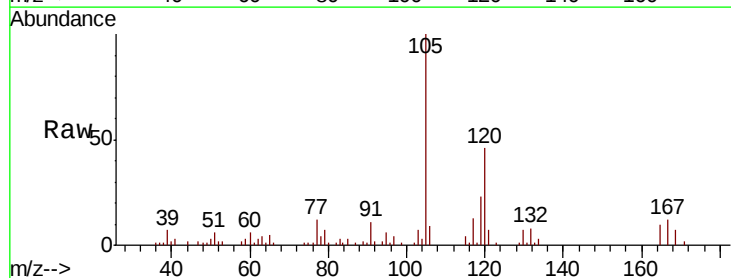


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

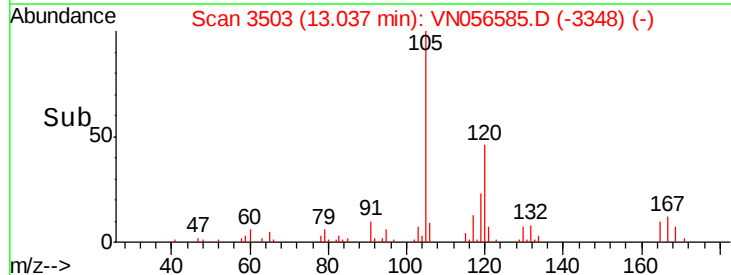
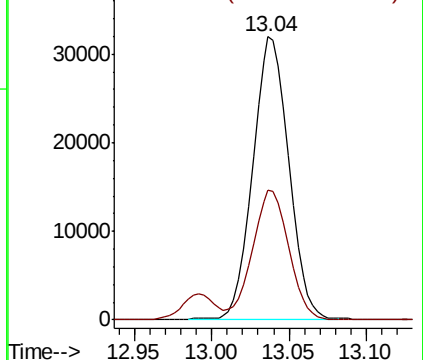


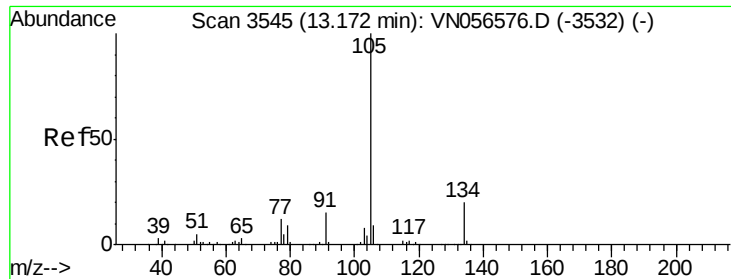
#80
1,2,4-Trimethylbenzene
Concen: 4.798 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion:105 Resp: 51944
Ion Ratio Lower Upper
105 100
120 46.2 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

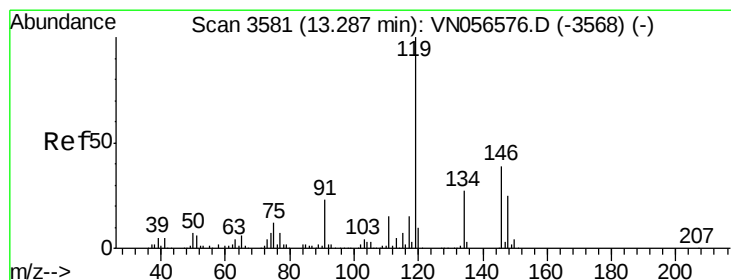
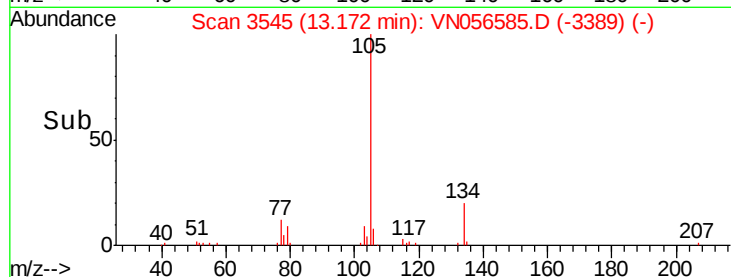
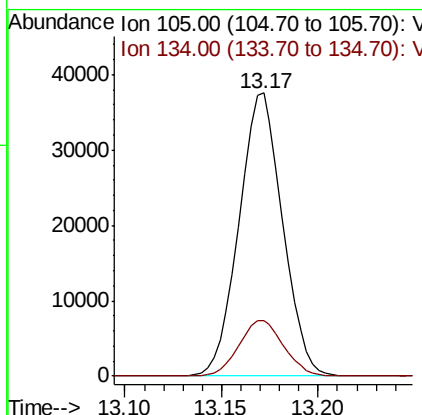
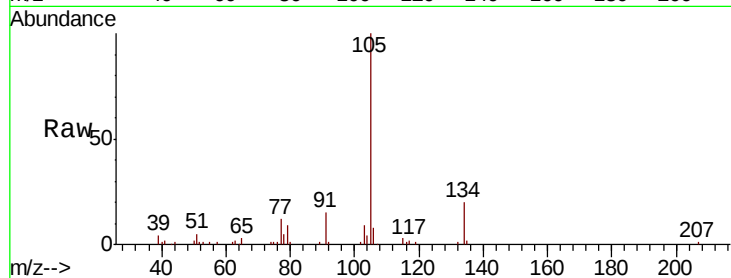




#81
 sec-Butylbenzene
 Concen: 4.746 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

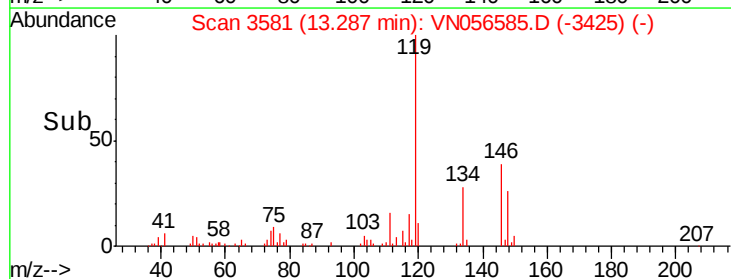
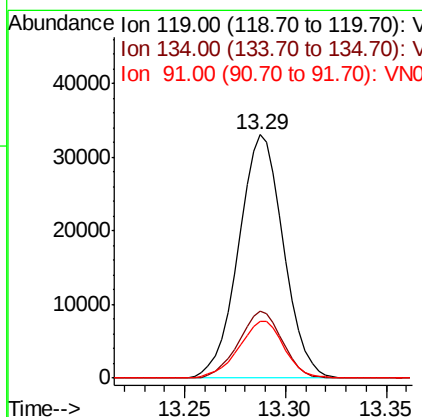
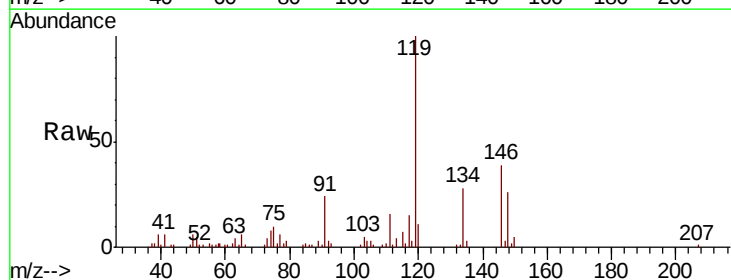
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

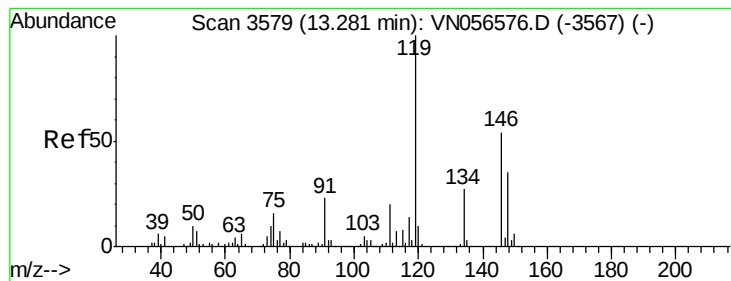
Tot Ion:105 Resp: 58937
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 4.611 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion:119 Resp: 51477
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.4
 91 23.6 0.0 43.0





#83

1,3-Dichlorobenzene

Concen: 4.578 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

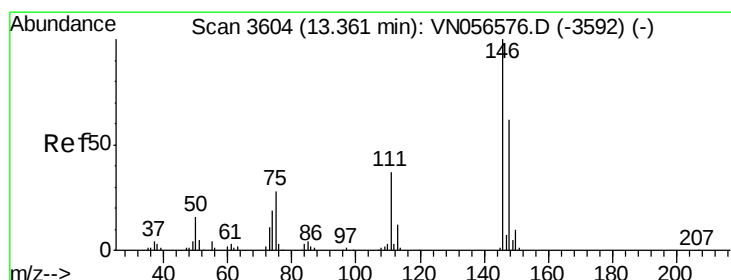
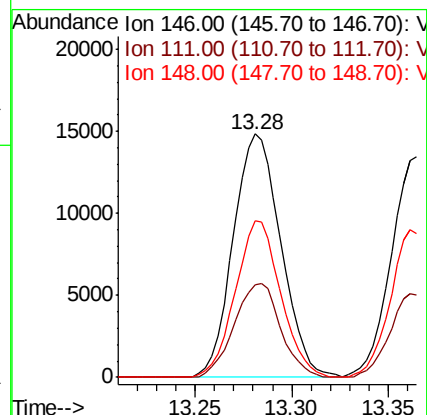
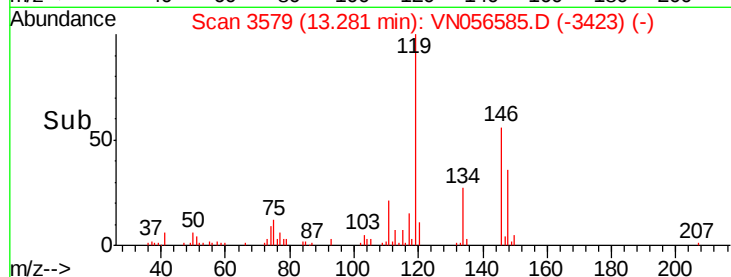
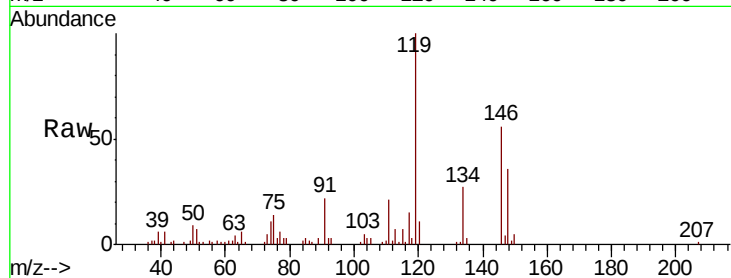
Tot Ion:146 Resp: 25378

Ion Ratio Lower Upper

146 100

111 37.6 18.2 54.6

148 61.3 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 4.149 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

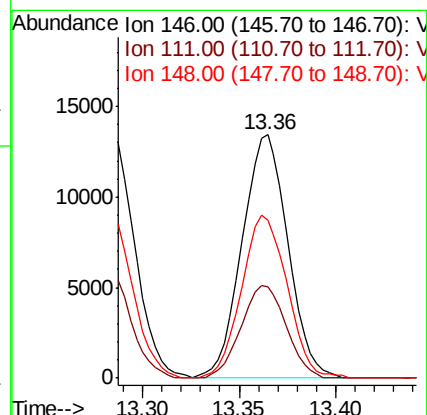
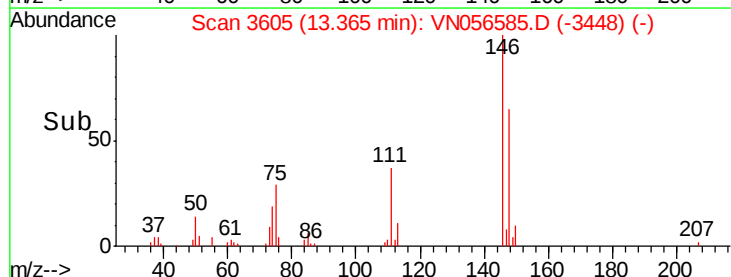
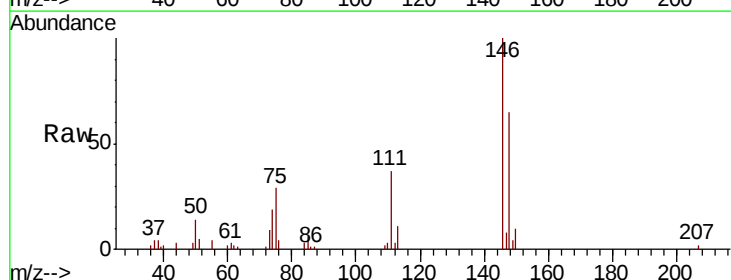
Tgt Ion:146 Resp: 22186

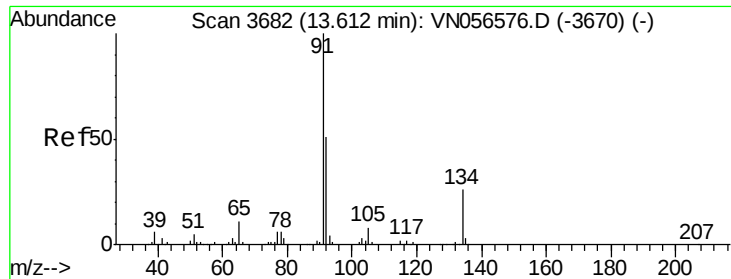
Ion Ratio Lower Upper

146 100

111 37.5 17.6 52.9

148 66.6 32.1 96.3

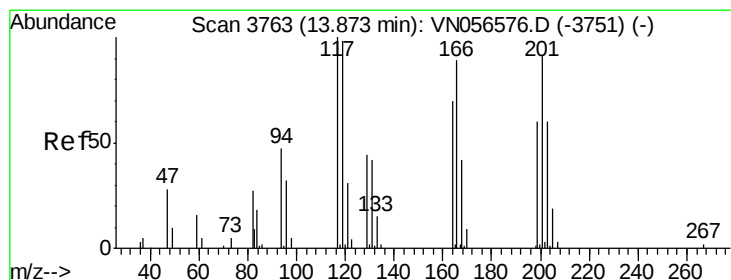
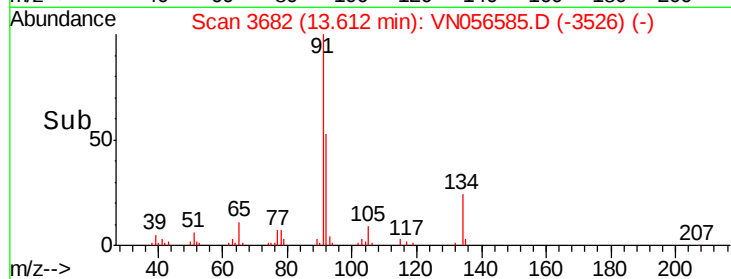
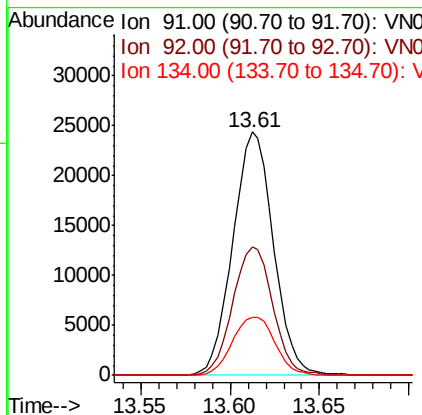
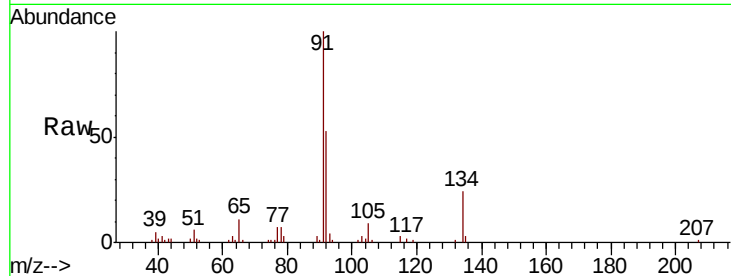




#85
n-Butylbenzene
Concen: 4.136 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

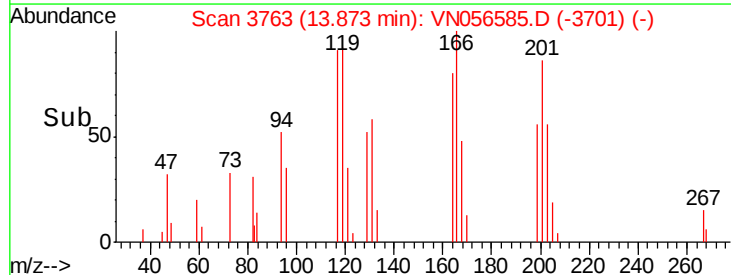
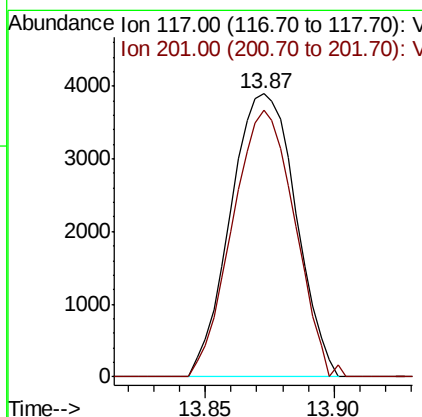
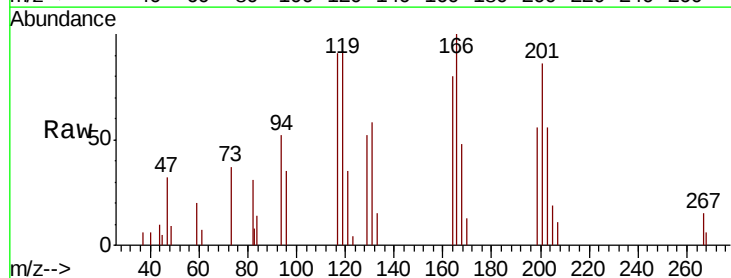
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

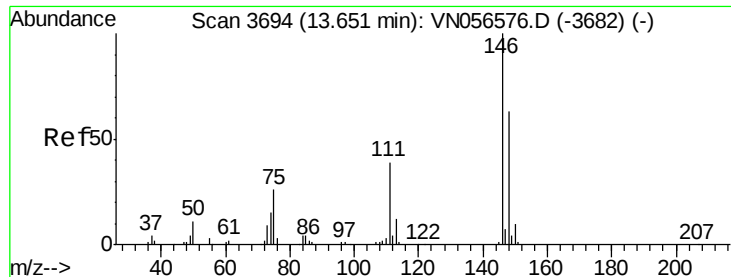
Tot Ion: 91 Resp: 38812
Ion Ratio Lower Upper
91 100
92 51.9 0.0 107.2
134 25.0 0.0 55.8



#86
Hexachloroethane
Concen: 4.088 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion: 117 Resp: 6882
Ion Ratio Lower Upper
117 100
201 89.0 48.1 144.4





#87

1,2-Dichlorobenzene

Concen: 4.559 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

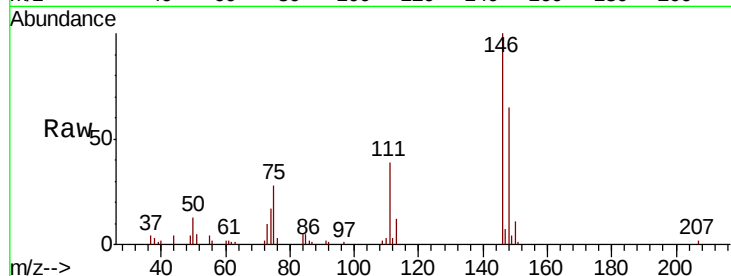
Tot Ion:146 Resp: 25663

Ion Ratio Lower Upper

146 100

111 40.5 19.3 57.9

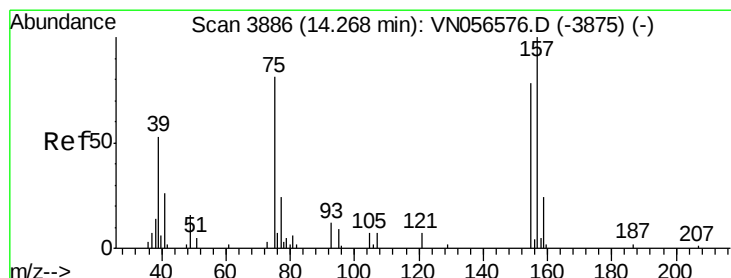
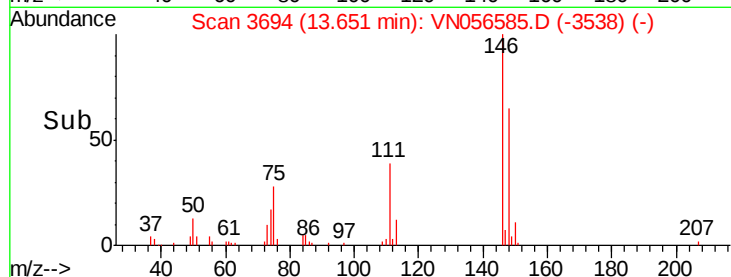
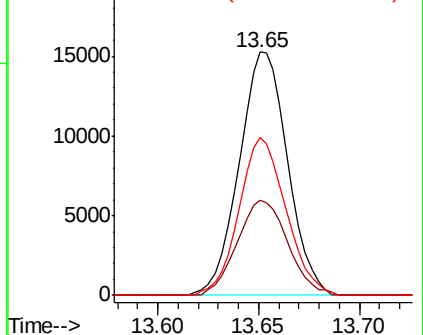
148 62.7 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.216 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN056585.D

Acq: 3 Jul 2019 14:11

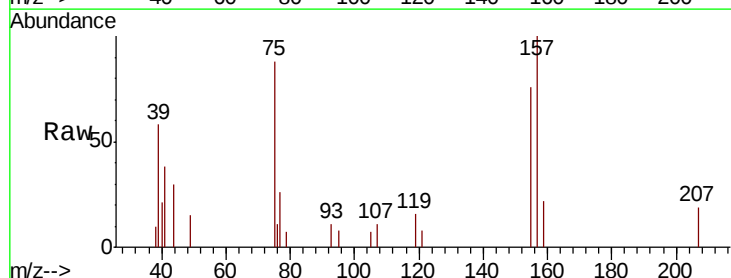
Tgt Ion: 75 Resp: 3233

Ion Ratio Lower Upper

75 100

155 93.8 82.5 123.7

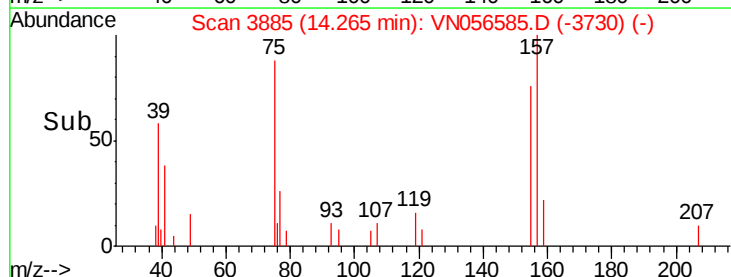
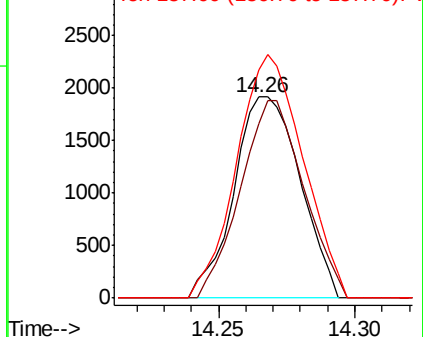
157 121.2 105.1 157.7

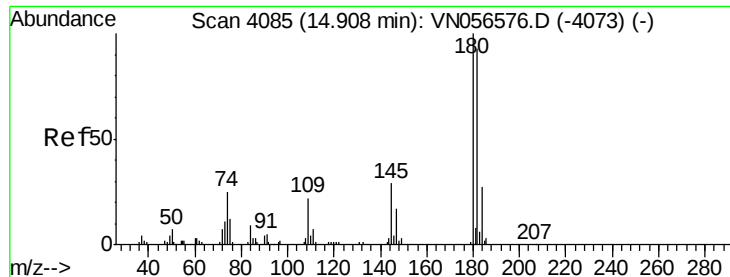


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

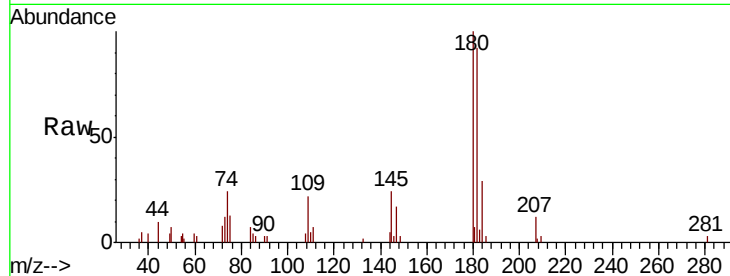




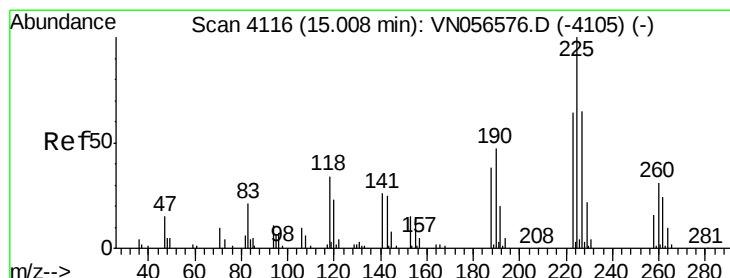
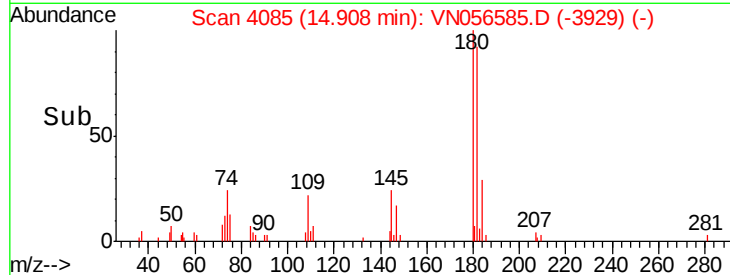
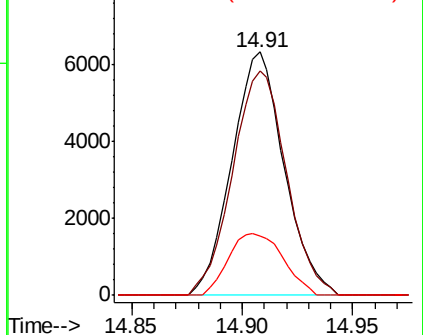
#89
 1,2,4-Trichlorobenzene
 Concen: 3.346 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

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

Tot Ion:180 Resp: 10411
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.0 112.6
 145 26.5 22.1 33.1

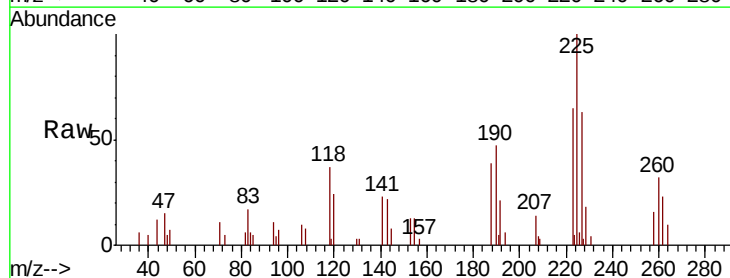


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

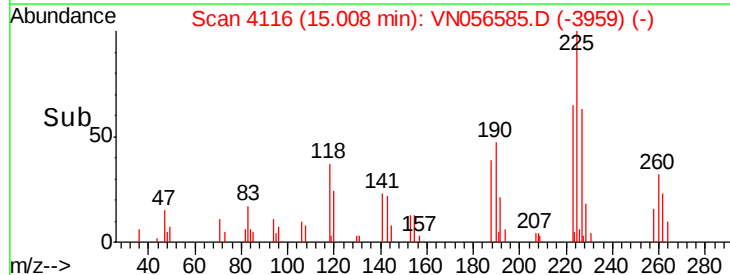
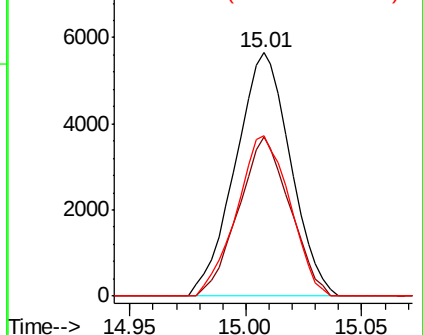


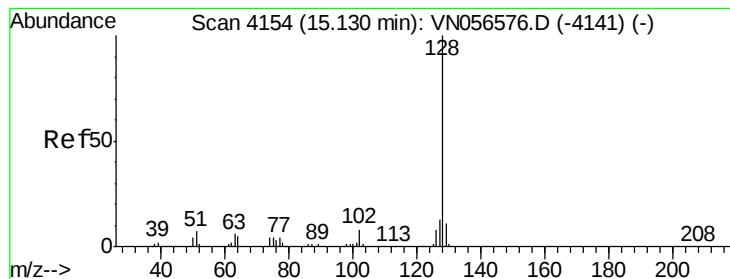
#90
 Hexachlorobutadiene
 Concen: 4.819 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056585.D
 Acq: 3 Jul 2019 14:11

Tgt Ion:225 Resp: 9317
 Ion Ratio Lower Upper
 225 100
 223 60.9 0.0 125.6
 227 63.3 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

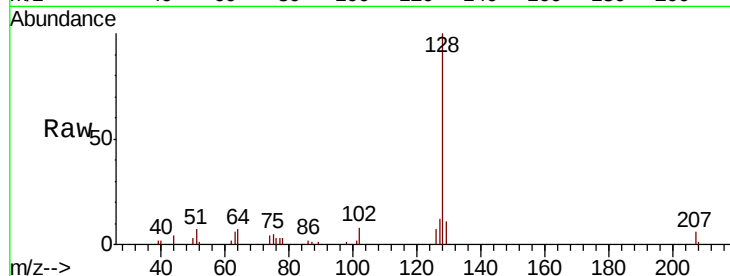




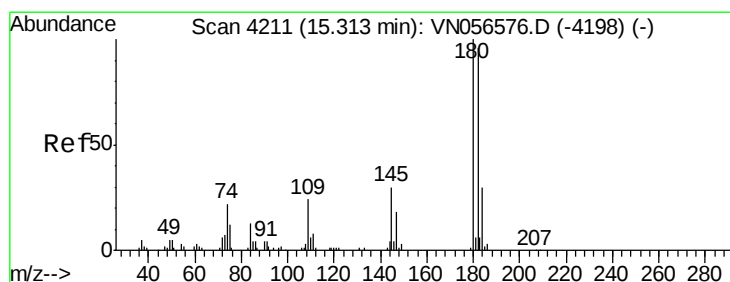
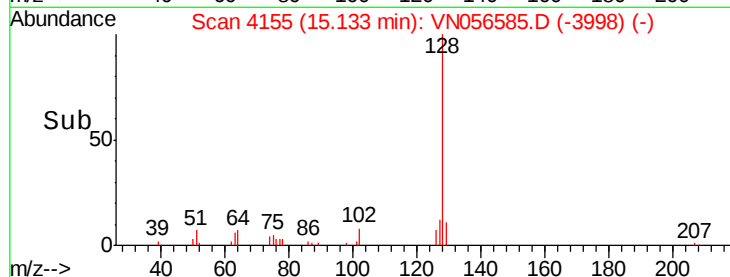
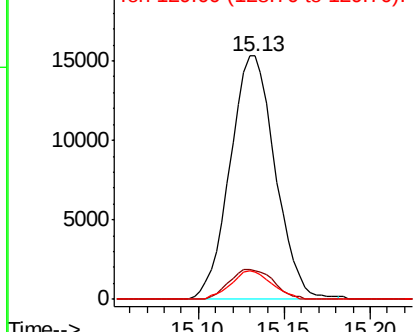
#91
Naphthalene
Concen: 3.200 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

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

Tot Ion:128 Resp: 27940
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 10.5 8.7 13.1

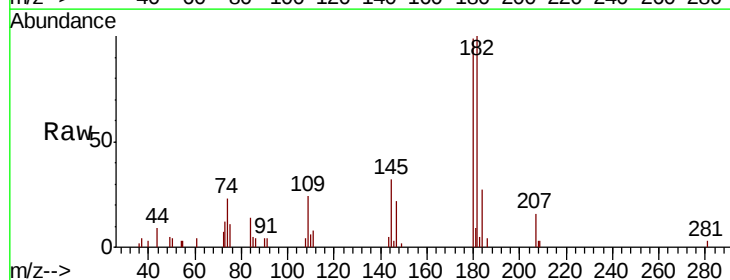


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 3.640 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056585.D
Acq: 3 Jul 2019 14:11

Tgt Ion:180 Resp: 11891
Ion Ratio Lower Upper
180 100
182 101.0 0.0 193.4
145 31.3 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

