

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062515.D
 Acq On : 13 Jul 2020 14:46
 Operator : JC/MD
 Sample : L3216-07 5.0PPB LOO
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Quant Time: Jul 14 01:01:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229470	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	208407	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	105737	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.38	95	99730	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	10.06	98	298917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	11751	4.797 ug/l	97
3) Chloromethane	2.04	50	18720	5.293 ug/l	99
4) Vinyl Chloride	2.16	62	15903	5.144 ug/l	95
5) Bromomethane	2.53	94	7921	5.164 ug/l	86
6) Chloroethane	2.67	64	7848	5.156 ug/l	90
7) Trichlorofluoromethane	2.98	101	19392	5.352 ug/l	95
8) Diethyl Ether	3.37	74	9188	5.275 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12468	5.323 ug/l	95
10) 1,1-Dichloroethene	3.70	96	12807	5.359 ug/l	91
11) Methyl Iodide	3.91	142	12448	4.253 ug/l	94
12) Methyl Acetate	4.28	43	17113	5.339 ug/l	94
13) Acrolein	3.57	56	9593	20.033 ug/l	92
14) Acrylonitrile	4.93	53	38545	25.859 ug/l	97
15) Acetone	3.77	58	10753	23.500 ug/l	86
16) Carbon Disulfide	4.01	76	40953	5.259 ug/l	100
17) Allyl chloride	4.27	41	27355	5.382 ug/l	95
18) Methylene Chloride	4.50	84	9166	3.117 ug/l	95
19) trans-1,2-Dichloroethene	4.99	96	14359	5.429 ug/l	89
20) Diisopropyl ether	5.91	45	55610	5.322 ug/l	91
21) 1,1-Dichloroethane	5.80	63	29292	5.303 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	15849	5.313 ug/l	99
23) tert-Butyl Alcohol	4.73	59	14746	29.560 ug/l	# 100
24) Methyl tert-Butyl Ether	5.00	73	45017	5.109 ug/l	95
25) Chloroform	7.33	83	27194	5.368 ug/l	100
26) Cyclohexane	7.61	56	25748	5.289 ug/l	# 94
29) 1,1-Dichloropropene	7.75	75	20252	5.203 ug/l	98
30) 2-Butanone	6.79	43	54212	26.262 ug/l	99
31) 2,2-Dichloropropane	6.77	77	24294	5.535 ug/l	# 88
32) 1,1,1-Trichloroethane	7.53	97	22984	5.494 ug/l	97
33) Carbon Tetrachloride	7.73	117	19006	5.241 ug/l	93
34) Benzene	8.00	78	63162	5.462 ug/l	# 68
35) Methacrylonitrile	7.13	41	9462	5.218 ug/l	98
36) 1,2-Dichloroethane	8.08	62	22807	5.487 ug/l	99
37) Trichloroethene	8.80	130	13954	5.372 ug/l	91
38) Methylcyclohexane	9.05	83	22015	5.042 ug/l	96
39) 1,2-Dichloropropane	9.09	63	17523	5.319 ug/l	98
40) Dibromomethane	9.18	93	10464	5.511 ug/l	98

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 LOQ-WATER-02-QT3-2020

Quant Time: Jul 14 01:01:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.37	83	21381	5.309	ug/l	96
42) Vinyl Acetate	5.84	43	223356	26.038	ug/l #	90
43) Ethyl Acetate	6.89	43	19329	4.657	ug/l #	88
44) Isopropyl Acetate	8.13	43	37472	5.381	ug/l	99
45) 1,4-Dioxane	9.17	88	5296	111.185	ug/l	94
46) Methyl methacrylate	9.17	41	16866	5.106	ug/l	96
47) n-amyl Acetate	12.05	43	25563	4.355	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	24174	5.147	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	25902	5.109	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	14554	5.469	ug/l	97
51) Ethyl methacrylate	10.40	69	21630	4.827	ug/l	97
52) 1,3-Dichloropropane	10.68	76	26862	5.500	ug/l	99
53) Dibromochloromethane	10.88	129	14531	5.011	ug/l	95
54) 1,2-Dibromoethane	10.98	107	14472	5.313	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	34855	24.355	ug/l	98
56) Bromoform	12.10	173	9826	4.961	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	109213	26.897	ug/l	99
59) 2-Hexanone	10.72	43	77140	25.904	ug/l	98
61) Tetrachloroethene	10.60	164	11816	5.536	ug/l	91
62) Toluene	10.13	91	64904	5.490	ug/l	99
64) Chlorobenzene	11.41	112	37029	5.330	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	13619	5.296	ug/l	98
66) Ethyl Benzene	11.48	91	67652	5.167	ug/l	98
67) m/p-Xylenes	11.60	106	48839	10.277	ug/l	97
68) o-Xylene	11.92	106	23001	5.043	ug/l	98
69) Styrene	11.94	104	36328	4.693	ug/l	98
70) Isopropylbenzene	12.22	105	62983	5.145	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	21826	5.516	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	28034	7.284	ug/l	60
73) Bromobenzene	12.50	156	14748	5.202	ug/l	99
74) n-propylbenzene	12.56	91	71772	4.932	ug/l	99
75) 2-Chlorotoluene	12.65	91	44674	5.099	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	52213	5.005	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	6516	4.527	ug/l	94
78) 4-Chlorotoluene	12.75	91	43981	4.919	ug/l	98
79) tert-butylbenzene	12.97	119	43324	5.016	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	49089	4.785	ug/l	98
81) sec-Butylbenzene	13.15	105	56644	4.883	ug/l	99
82) p-Isopropyltoluene	13.26	119	47740	4.664	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	23813	4.836	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	22517	4.634	ug/l	97
85) n-Butylbenzene	13.59	91	36922	4.205	ug/l	99
86) Hexachloroethane	13.85	117	9838	4.981	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	22622	4.778	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	3593	4.808	ug/l	99
89) 1,2,4-Trichlorobenzene	14.89	180	8474	3.595	ug/l	94
90) Hexachlorobutadiene	14.98	225	6696	5.122	ug/l	95
91) Naphthalene	15.11	128	22254	3.482	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	9214	3.878	ug/l	98

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LOQ-WATER-02-QT3-2020

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
Response via : Initial Calibration

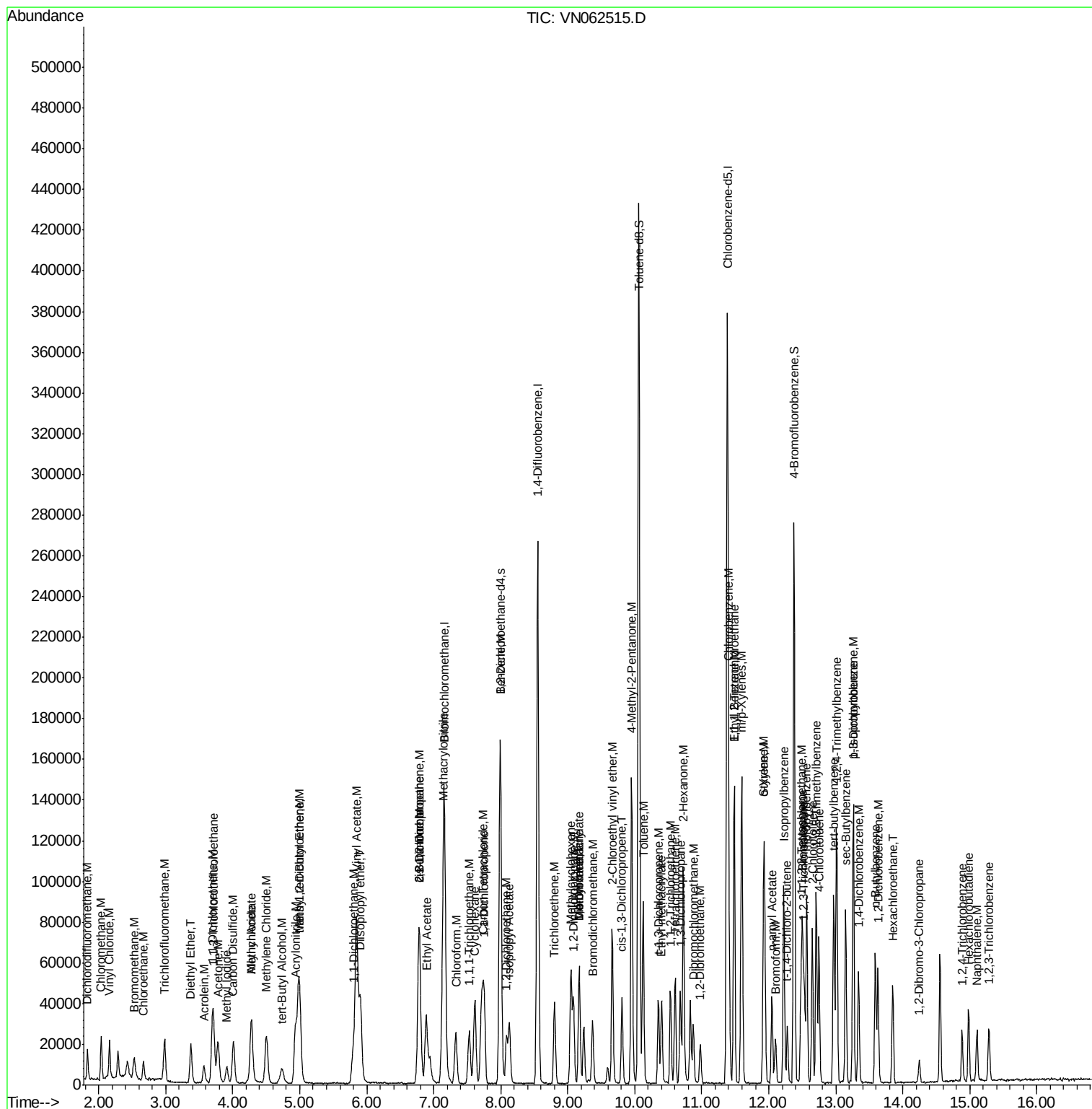
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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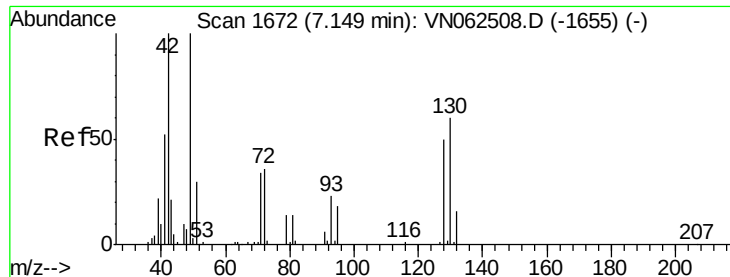
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LOQ-WATER-02-QT3-2020

Quant Time: Jul 14 01:01:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

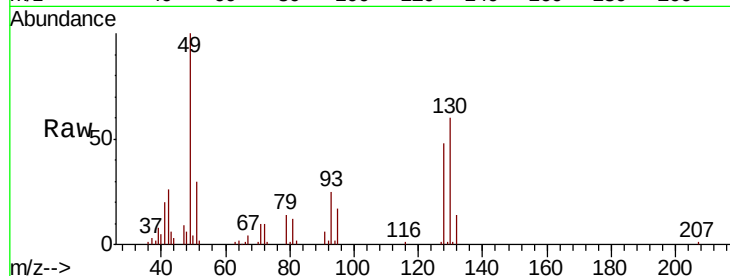
Tot Ion:128 Resp: 41500

Ion Ratio Lower Upper

128 100

49 209.2 0.0 525.0

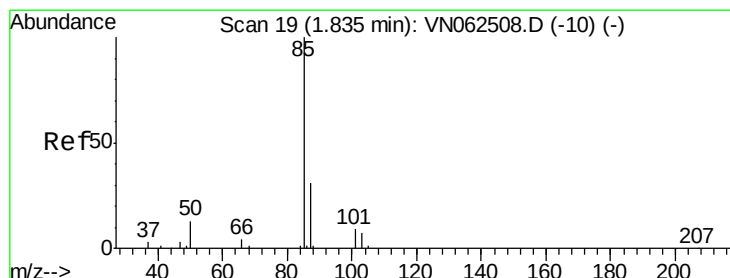
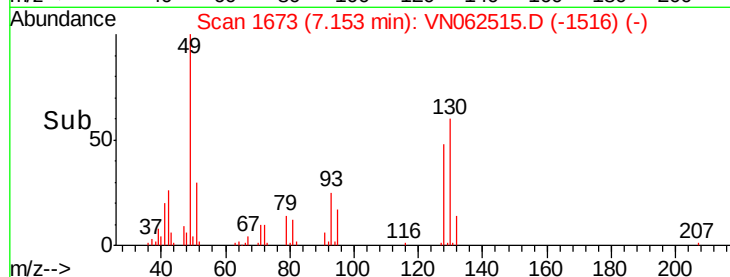
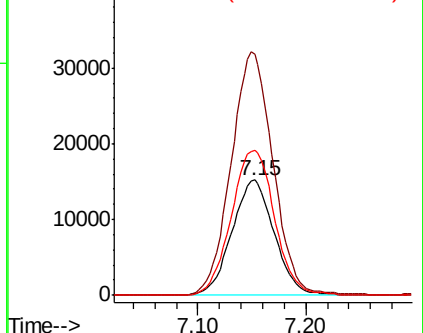
130 129.0 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.797 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062515.D

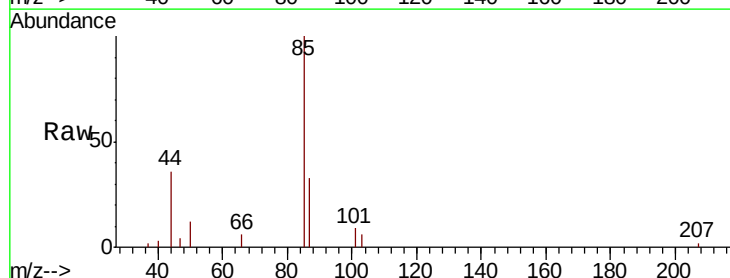
Acq: 13 Jul 2020 14:46

Tgt Ion: 85 Resp: 11751

Ion Ratio Lower Upper

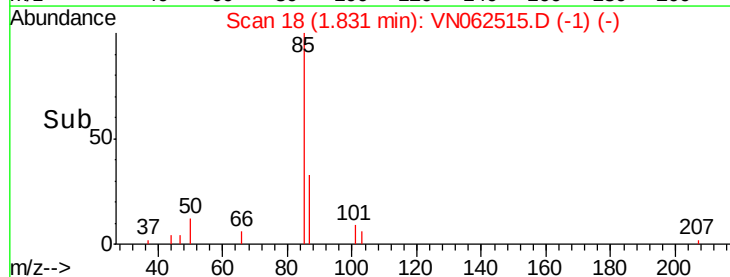
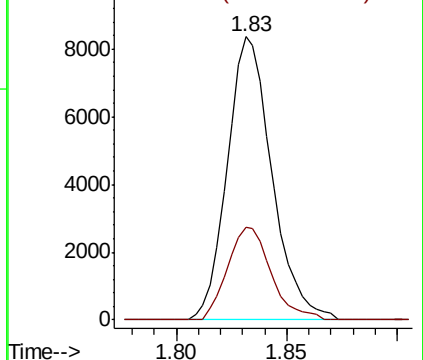
85 100

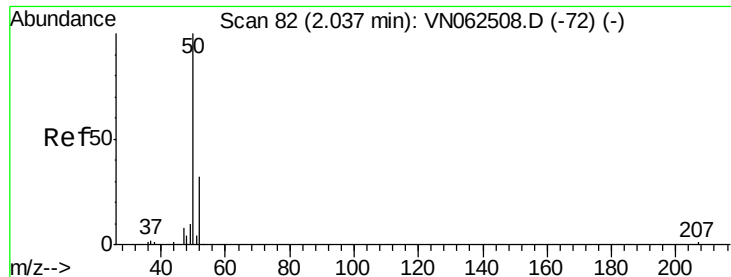
87 32.5 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 5.293 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

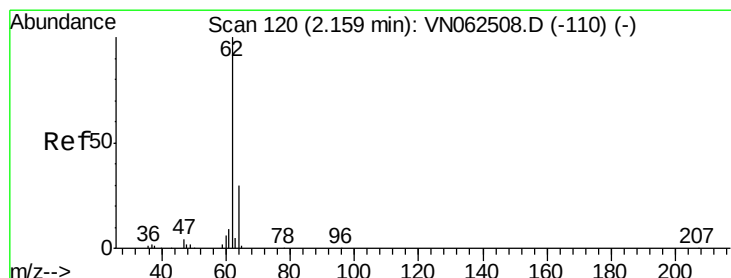
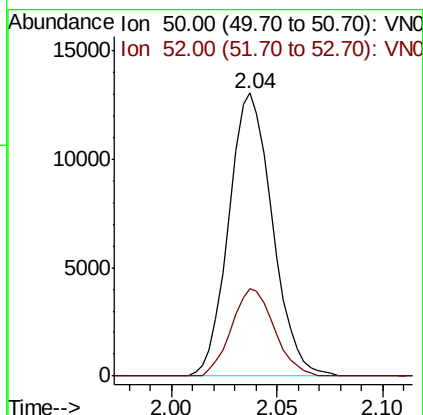
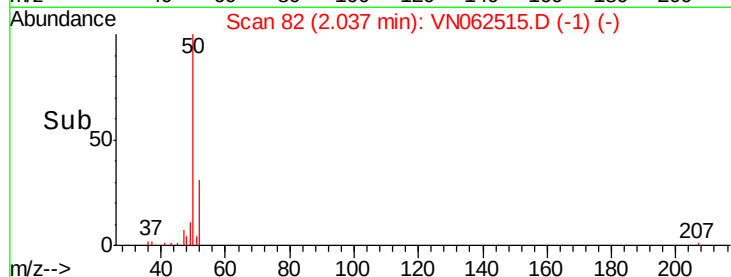
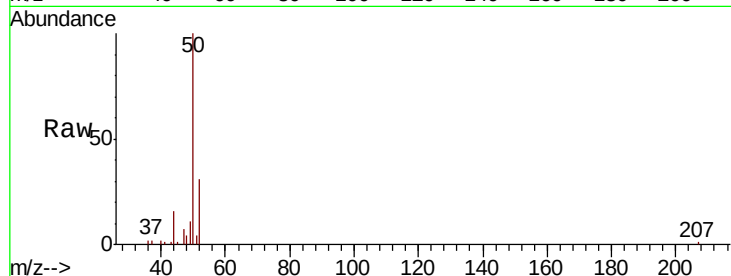
LOQ-WATER-02-QT3-2020

Tot Ion: 50 Resp: 18720

Ion Ratio Lower Upper

50 100

52 31.0 25.4 38.2



#4

Vinyl Chloride

Concen: 5.144 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062515.D

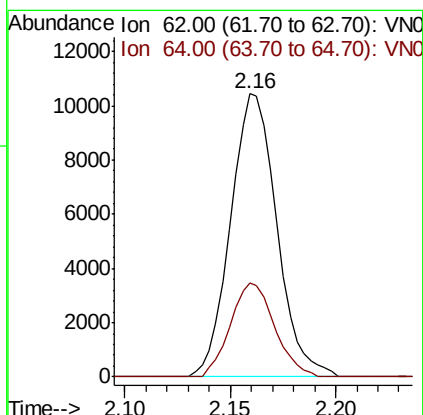
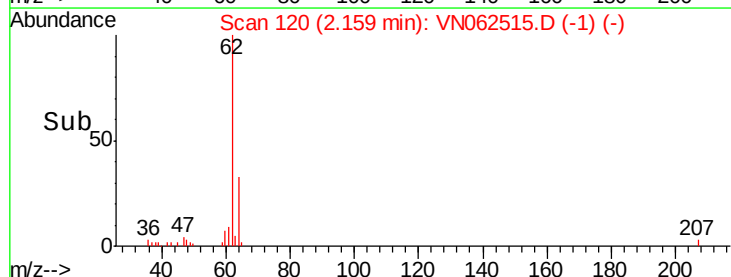
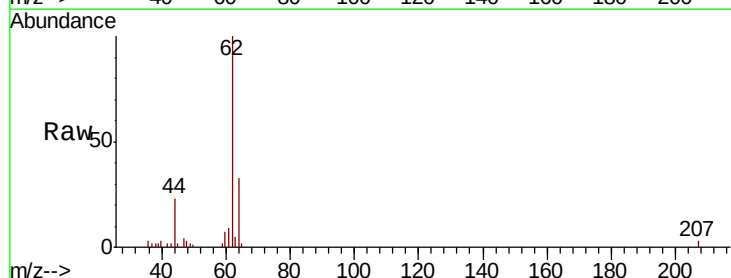
Acq: 13 Jul 2020 14:46

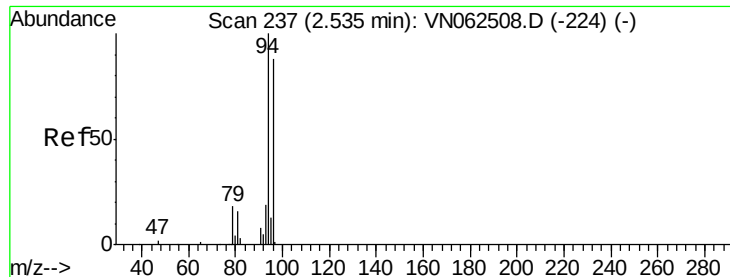
Tgt Ion: 62 Resp: 15903

Ion Ratio Lower Upper

62 100

64 33.1 24.3 36.5





#5

Bromomethane

Concen: 5.164 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

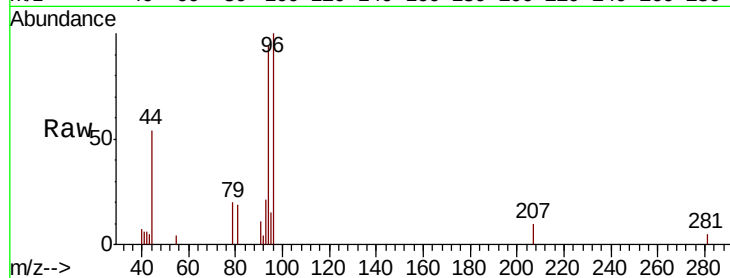
LOQ-WATER-02-QT3-2020

Tot Ion: 94 Resp: 7921

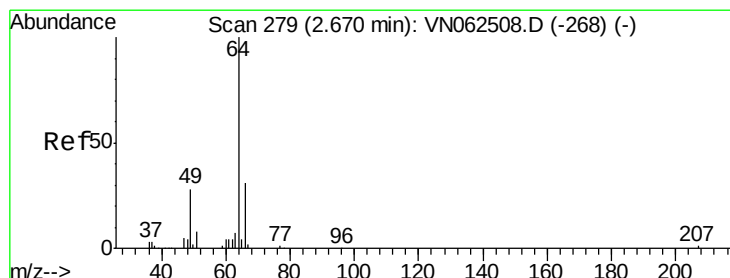
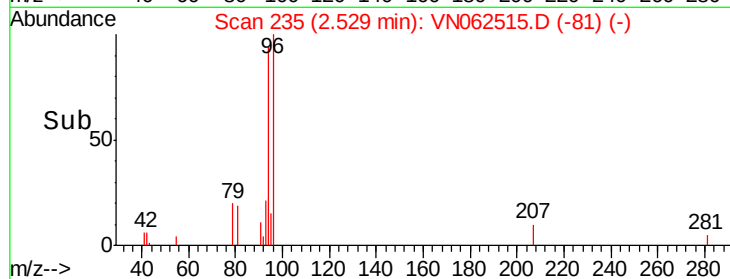
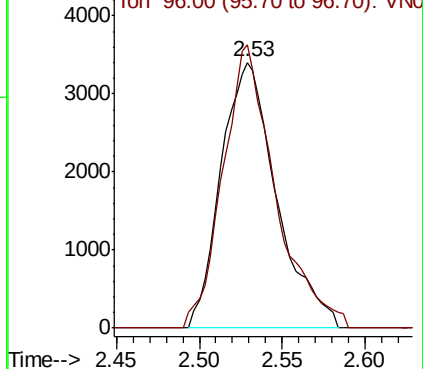
Ion Ratio Lower Upper

94 100

96 100.6 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN062508.D (-224) (-)



#6

Chloroethane

Concen: 5.156 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062515.D

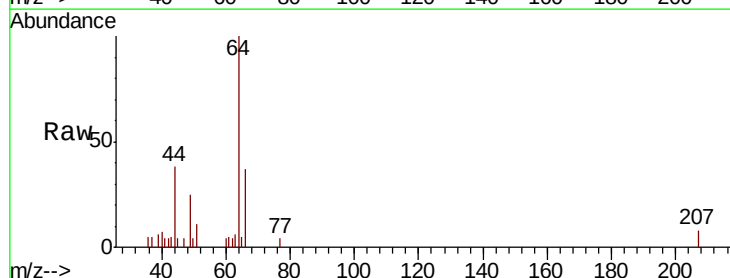
Acq: 13 Jul 2020 14:46

Tgt Ion: 64 Resp: 7848

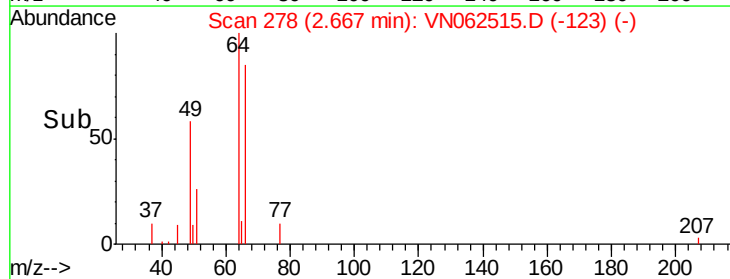
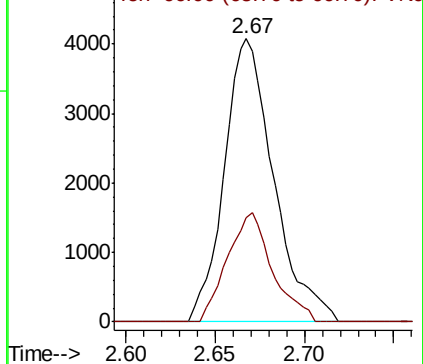
Ion Ratio Lower Upper

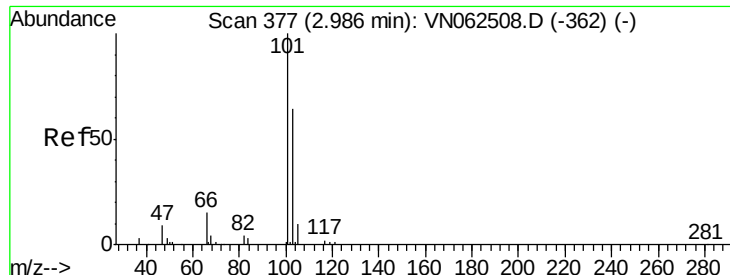
64 100

66 36.9 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN062508.D (-268) (-)



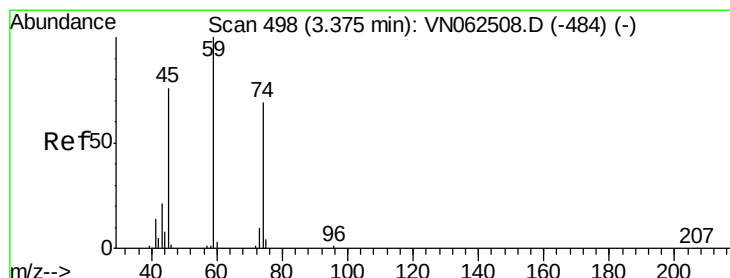
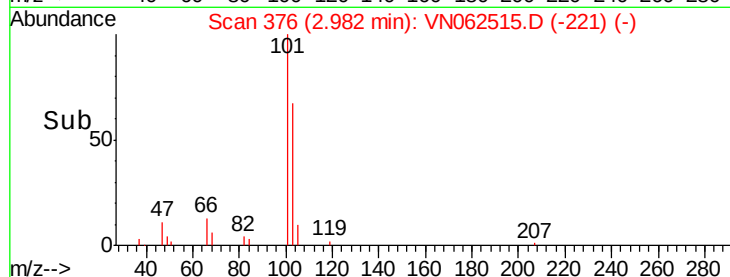
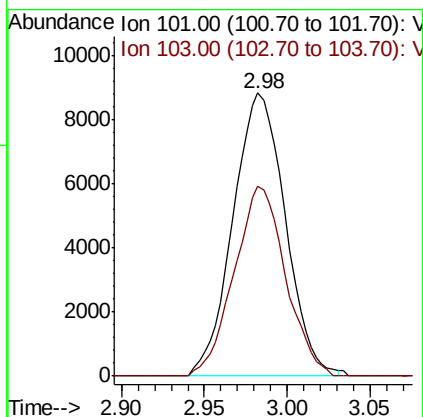
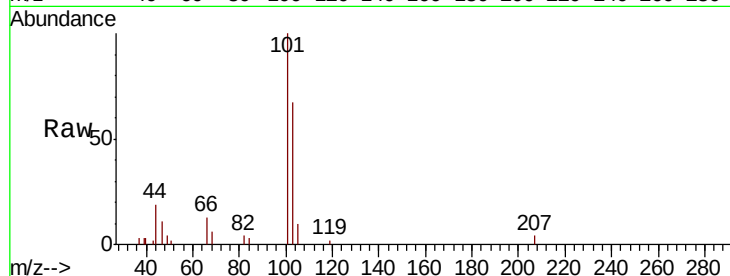


#7

Trichlorofluoromethane
 Concen: 5.352 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

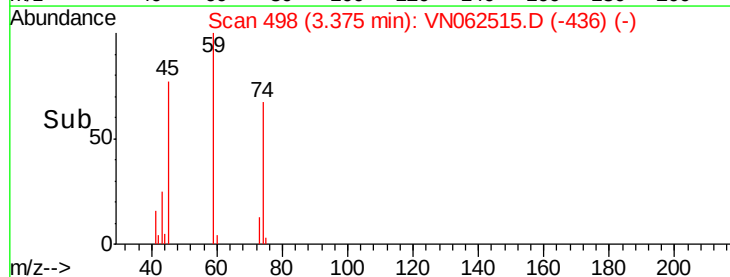
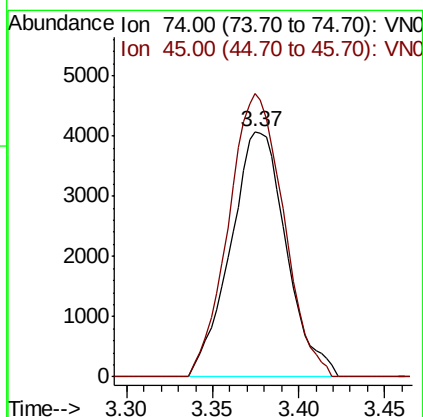
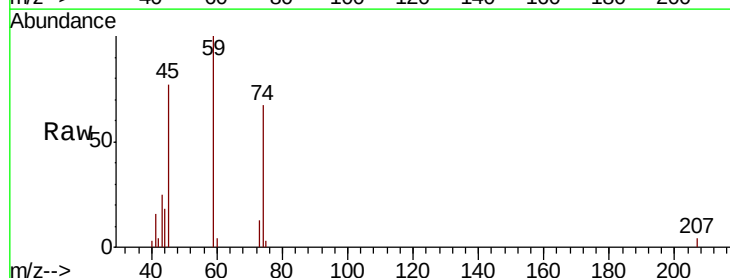
Tot Ion:101 Resp: 19392
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.9 76.3

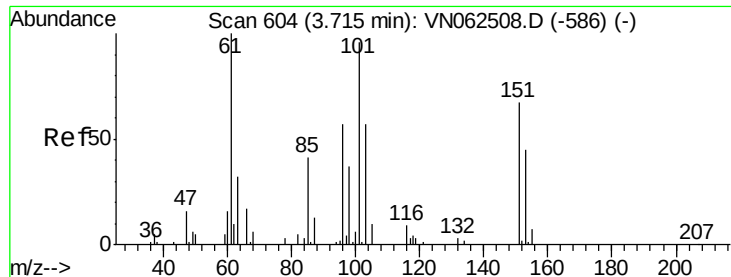


#8

Diethyl Ether
 Concen: 5.275 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 74 Resp: 9188
 Ion Ratio Lower Upper
 74 100
 45 113.8 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.323 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

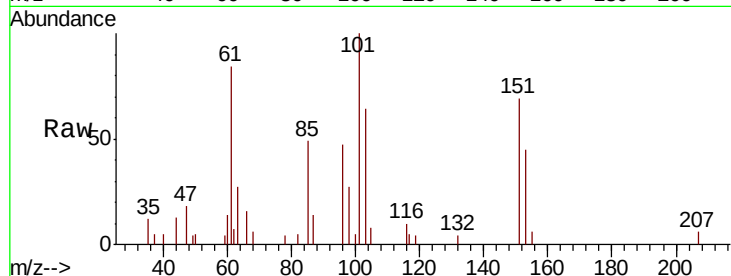
Tot Ion:101 Resp: 12468

Ion Ratio Lower Upper

101 100

85 48.9 0.0 90.4

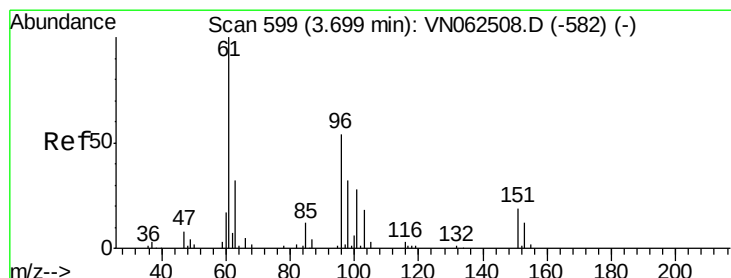
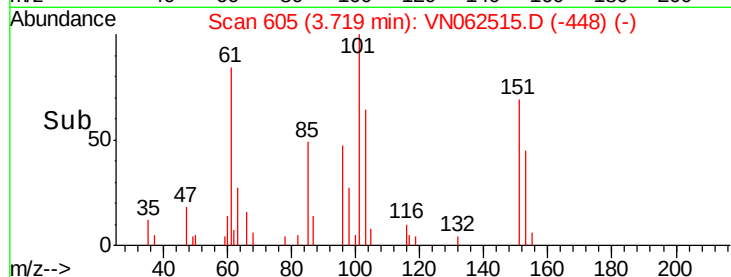
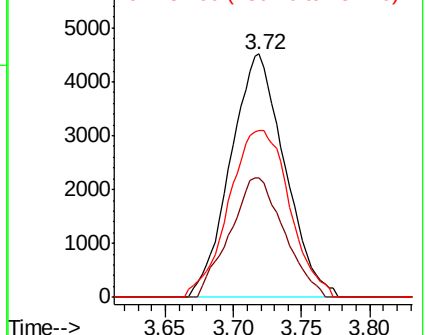
151 76.7 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.359 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

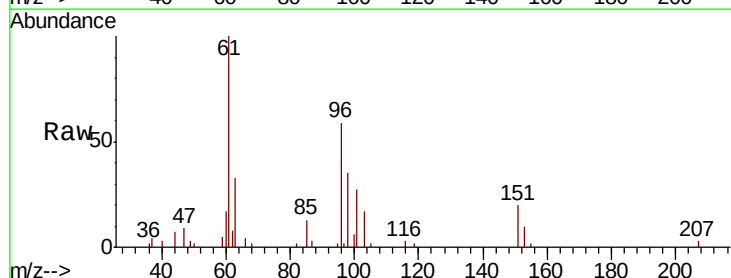
Tgt Ion: 96 Resp: 12807

Ion Ratio Lower Upper

96 100

61 167.7 147.8 221.8

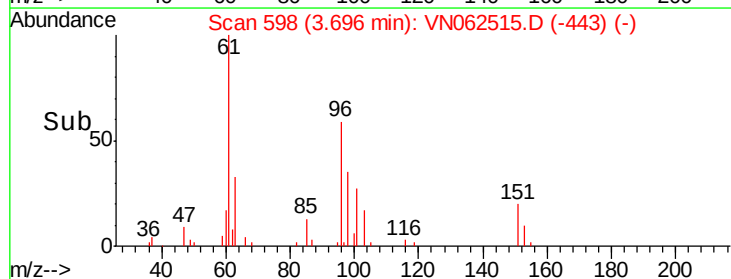
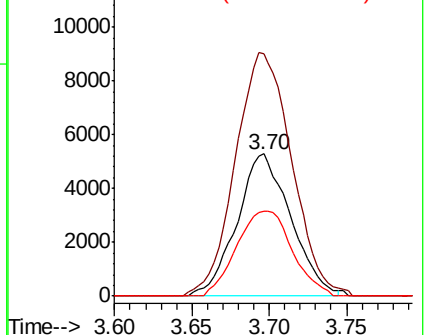
98 59.9 47.8 71.8

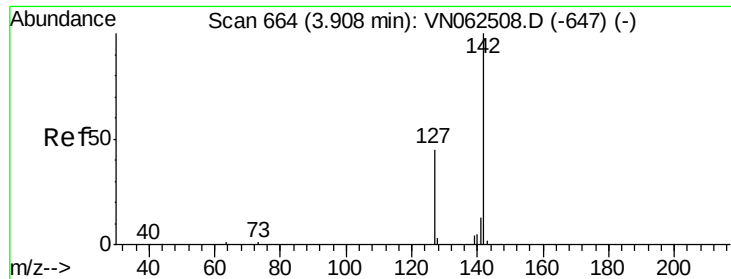


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

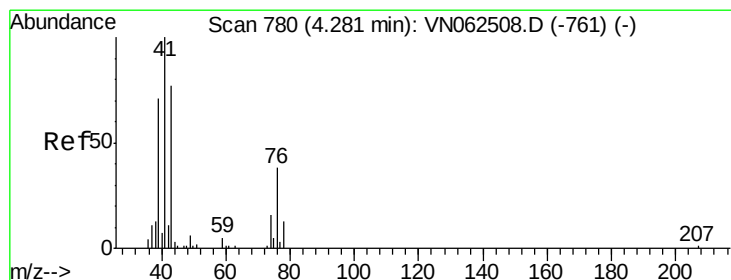
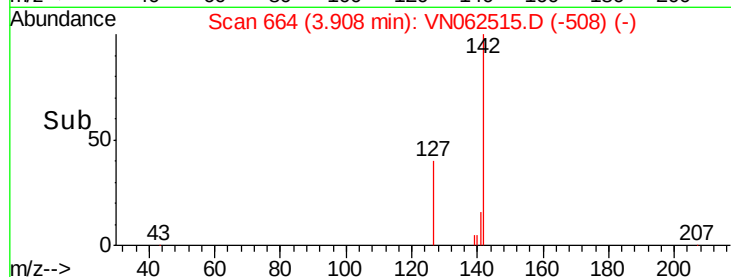
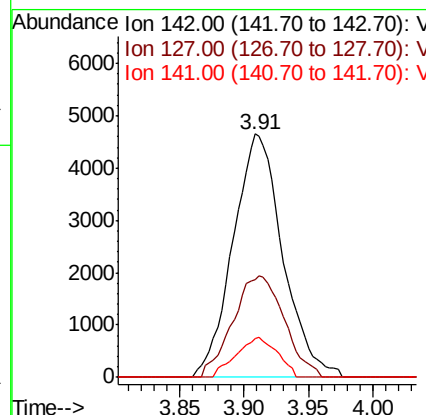
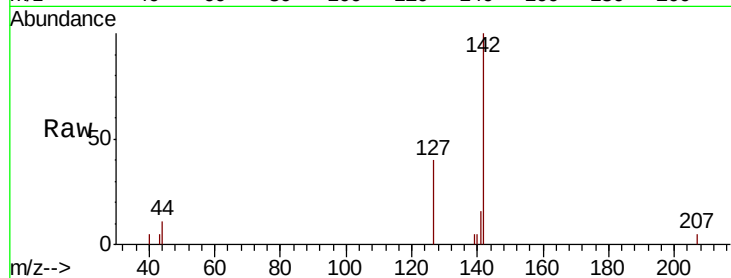




#11
Methvl Iodide
Concen: 4.253 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

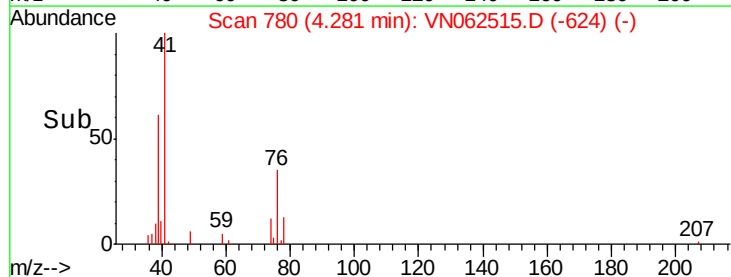
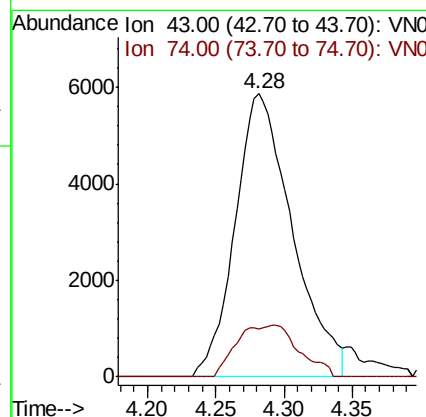
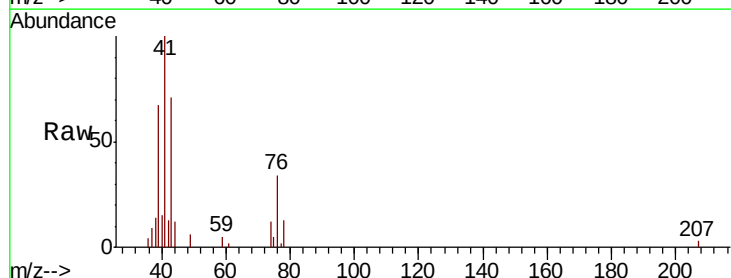
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

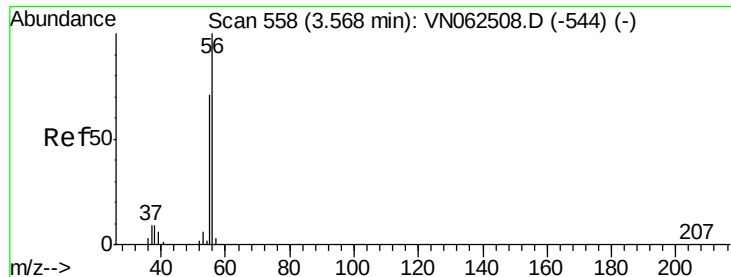
Tot Ion:142 Resp: 12448
Ion Ratio Lower Upper
142 100
127 40.3 22.1 66.5
141 15.9 6.5 19.4



#12
Methyl Acetate
Concen: 5.339 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 43 Resp: 17113
Ion Ratio Lower Upper
43 100
74 17.9 16.7 25.1





#13

Acrolein

Concen: 20.033 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

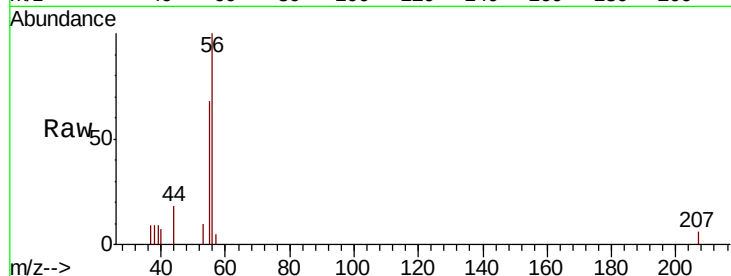
LOQ-WATER-02-QT3-2020

Tot Ion: 56 Resp: 9593

Ion Ratio Lower Upper

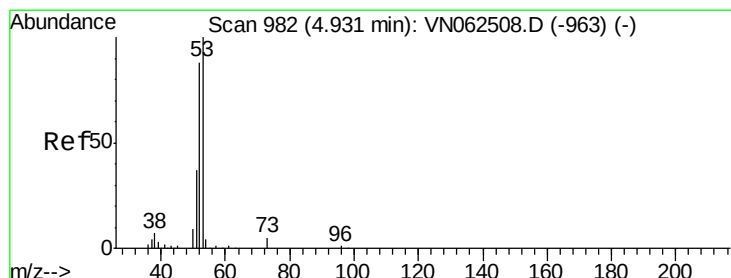
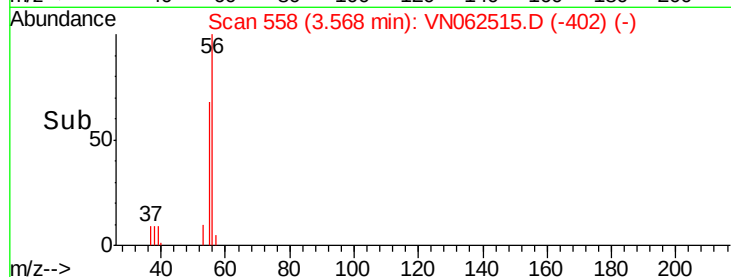
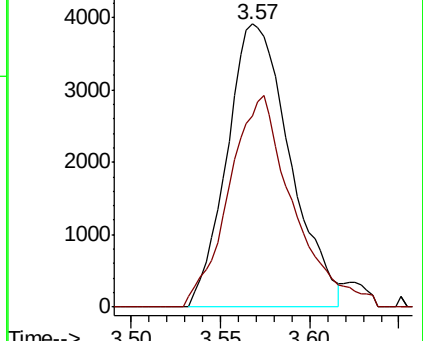
56 100

55 76.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 25.859 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

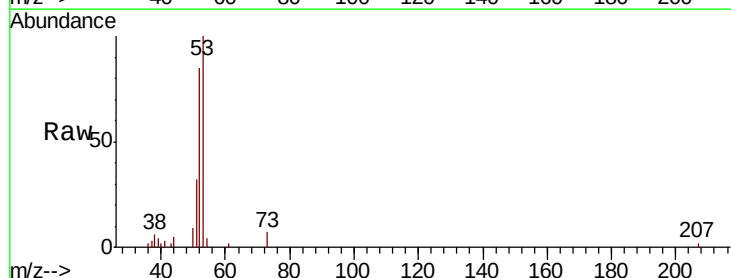
Tgt Ion: 53 Resp: 38545

Ion Ratio Lower Upper

53 100

52 81.9 41.8 125.4

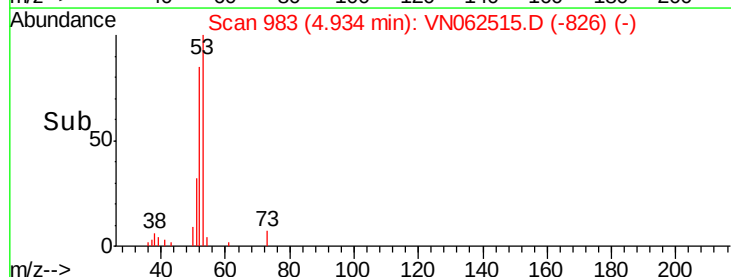
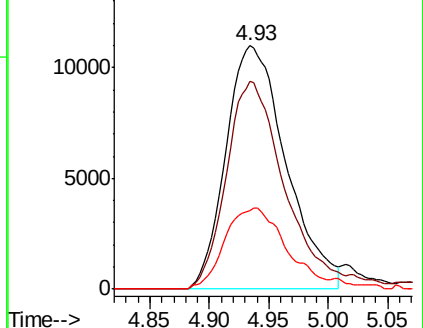
51 33.7 18.5 55.5

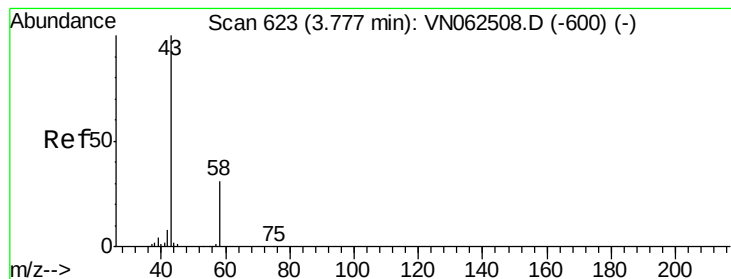


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 23.500 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

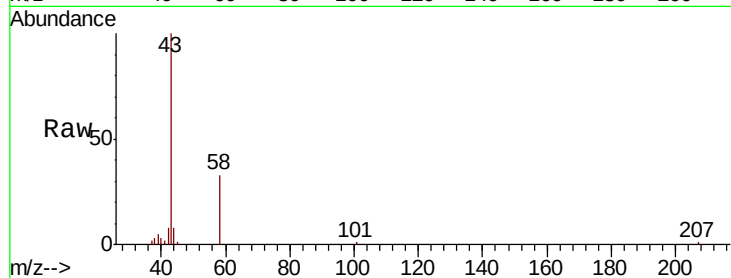
LOQ-WATER-02-QT3-2020

Tot Ion: 58 Resp: 10753

Ion Ratio Lower Upper

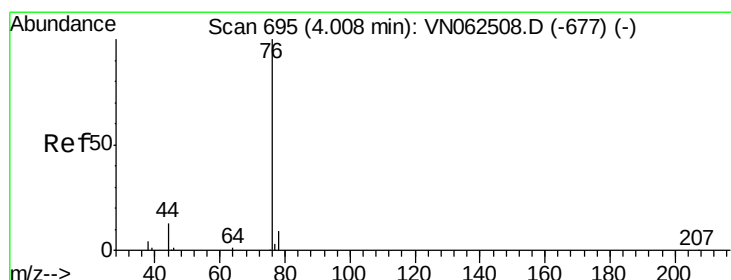
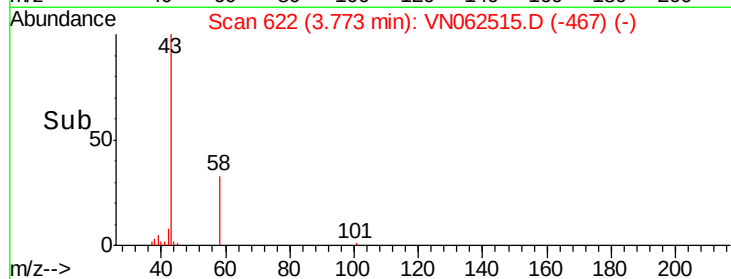
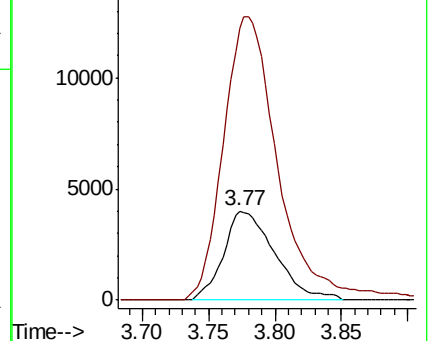
58 100

43 297.8 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062508.D (-600) (-)

Ion 43.00 (42.70 to 43.70): VN062508.D (-600) (-)



#16

Carbon Disulfide

Concen: 5.259 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062515.D

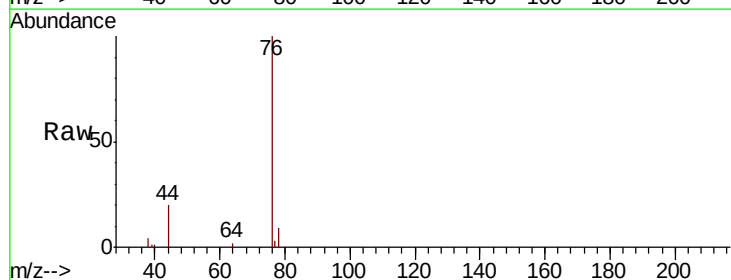
Acq: 13 Jul 2020 14:46

Tgt Ion: 76 Resp: 40953

Ion Ratio Lower Upper

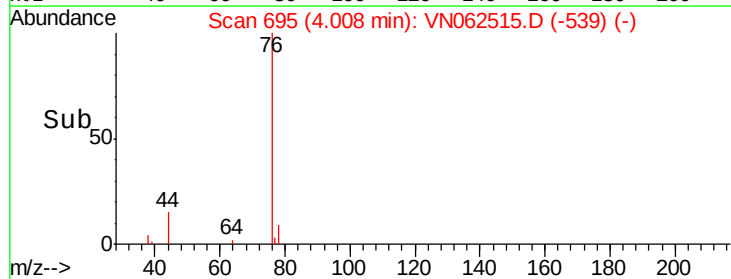
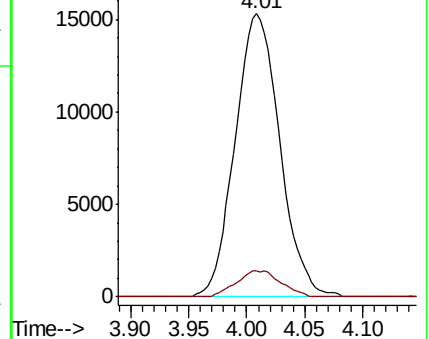
76 100

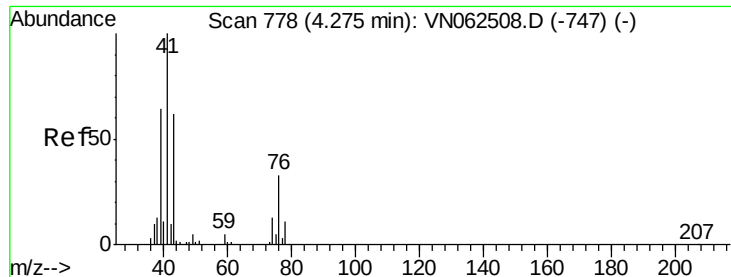
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-677) (-)

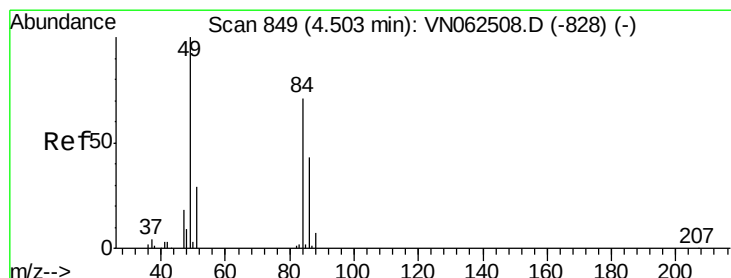
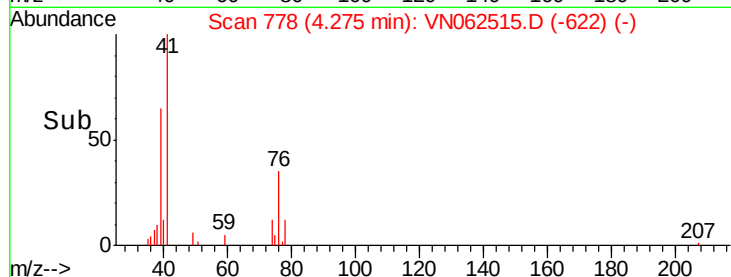
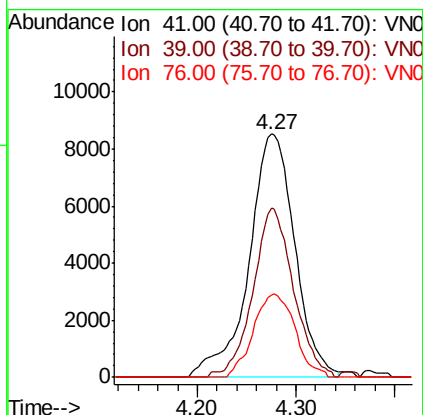
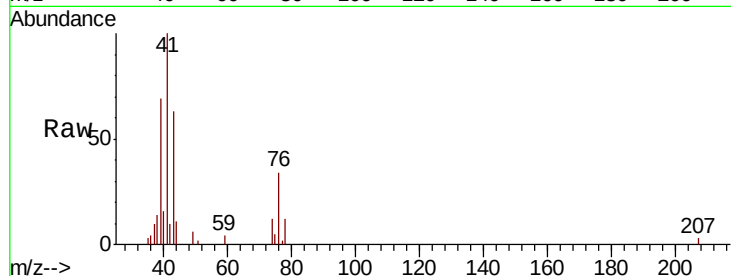




#17
Allvl chloride
Concen: 5.382 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

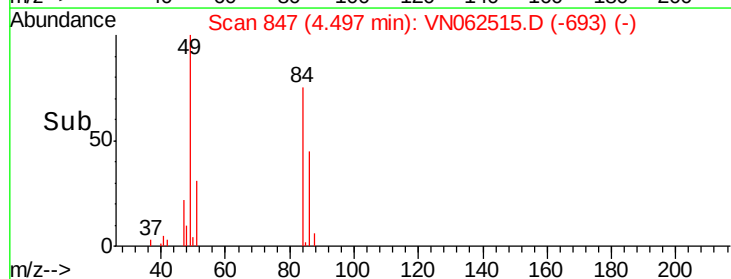
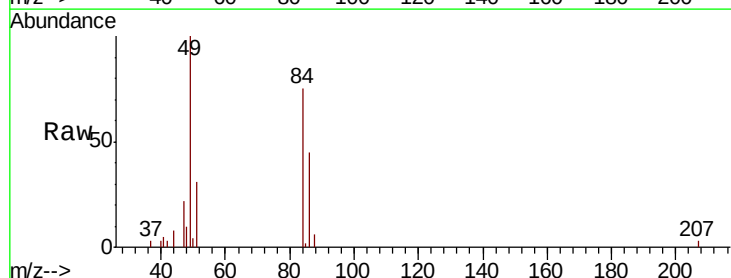
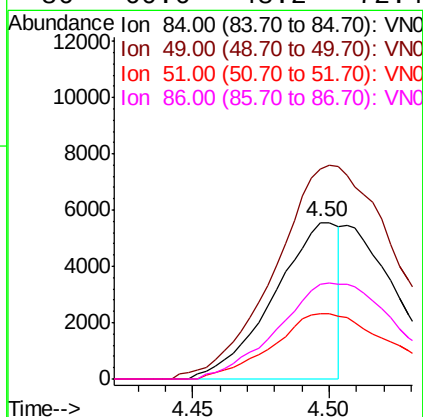
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

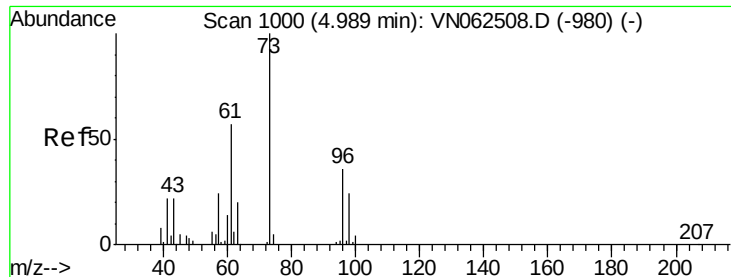
Tot Ion: 41 Resp: 27355
Ion Ratio Lower Upper
41 100
39 69.4 31.9 95.5
76 34.0 16.6 49.8



#18
Methylene Chloride
Concen: 3.117 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 84 Resp: 9166
Ion Ratio Lower Upper
84 100
49 129.8 112.1 168.1
51 41.8 33.0 49.4
86 60.6 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 5.429 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

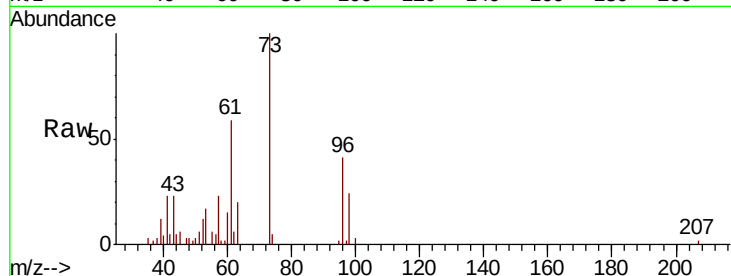
Tot Ion: 96 Resp: 14359

Ion Ratio Lower Upper

96 100

61 142.0 125.7 188.5

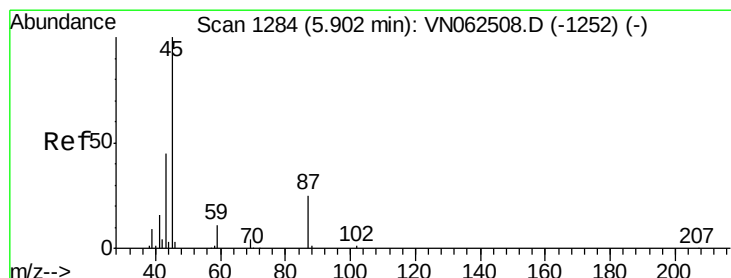
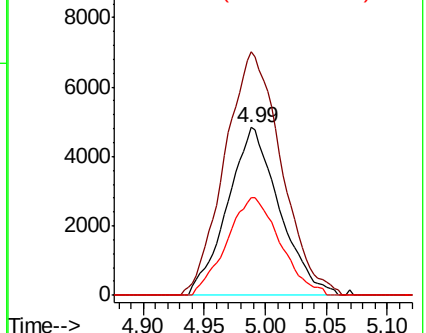
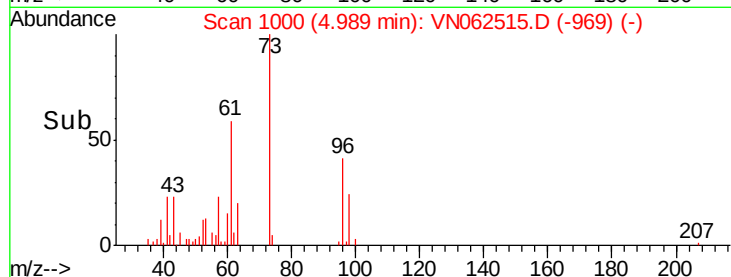
98 58.7 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VN062515.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN062515.D (-969) (-)

Ion 98.00 (97.70 to 98.70): VN062515.D (-969) (-)



#20

Diisopropyl ether

Concen: 5.322 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion: 45 Resp: 55610

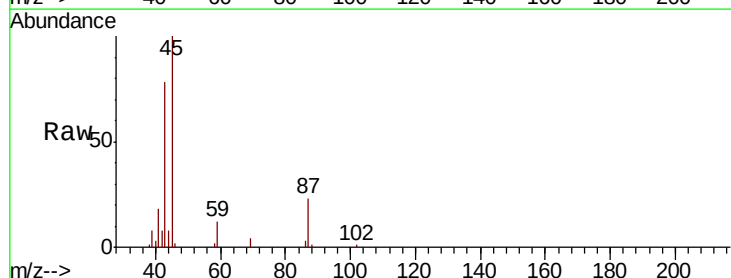
Ion Ratio Lower Upper

45 100

43 73.3 51.3 76.9

87 22.9 19.8 29.6

59 11.7 8.8 13.2

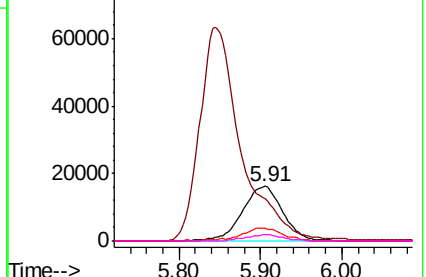
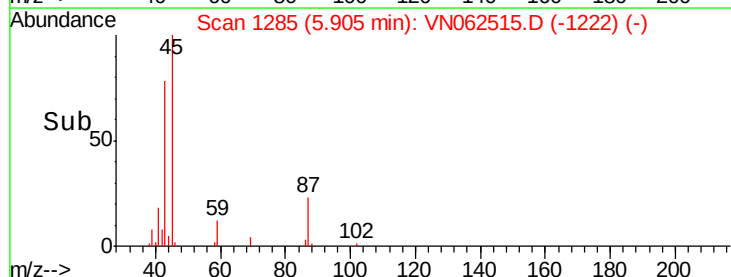


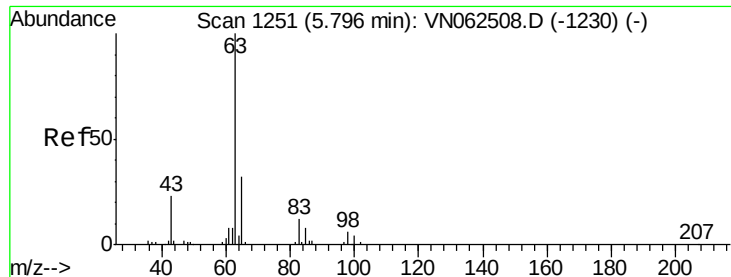
Abundance Ion 45.00 (44.70 to 45.70): VN062515.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN062515.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN062515.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN062515.D (-1222) (-)

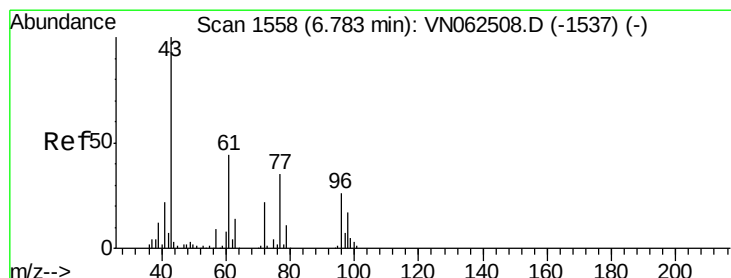
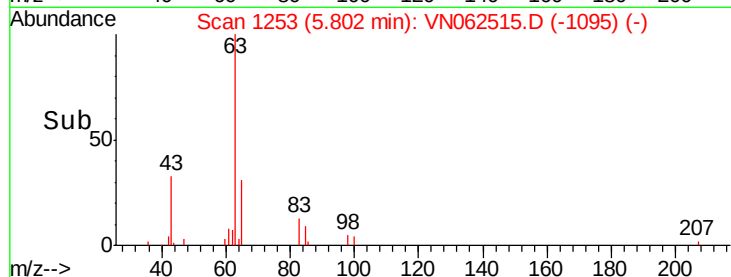
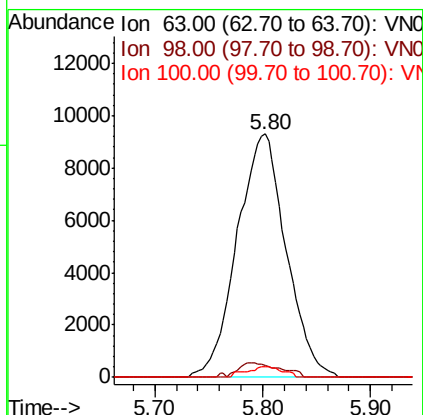
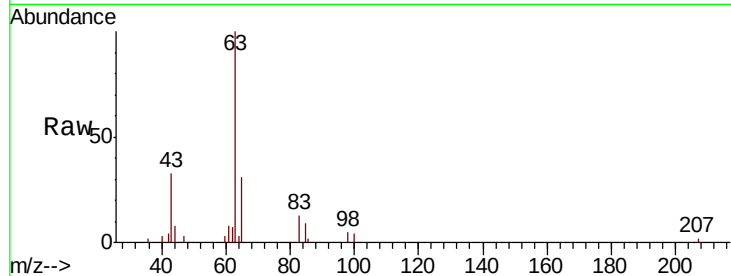




#21
 1,1-Dichloroethane
 Concen: 5.303 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

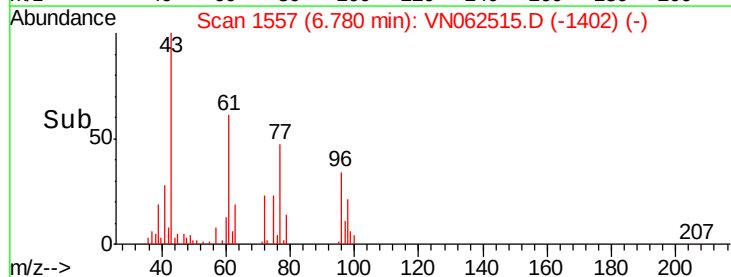
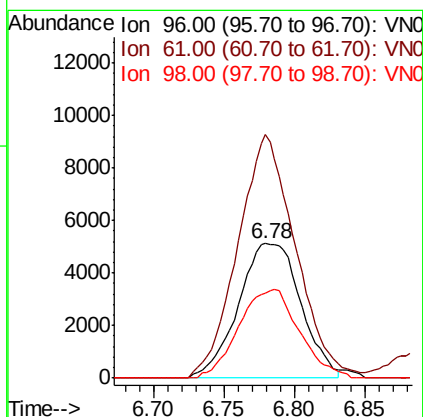
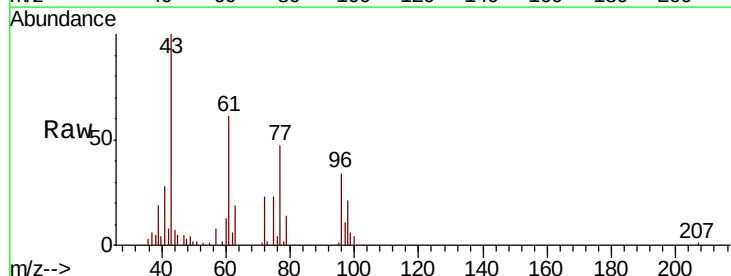
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

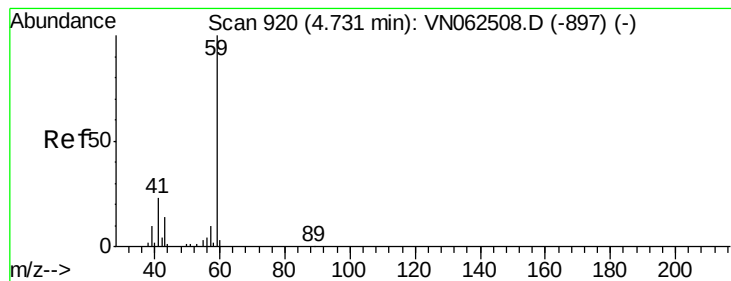
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.8	8.4
100	4.1	2.0	5.8



#22
 cis-1,2-Dichloroethene
 Concen: 5.313 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	134.9	202.3
98	63.7	51.5	77.3



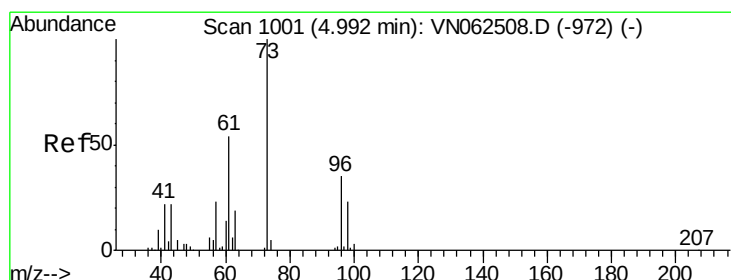
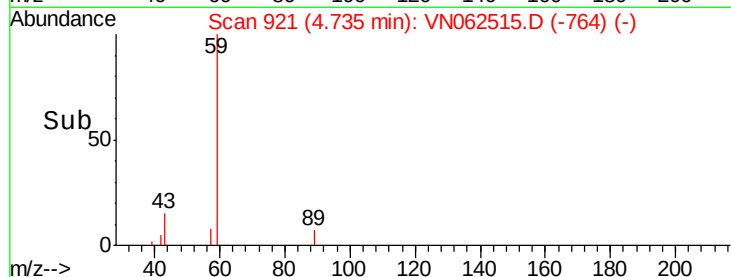
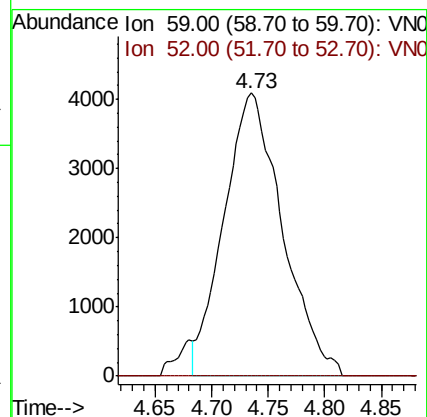
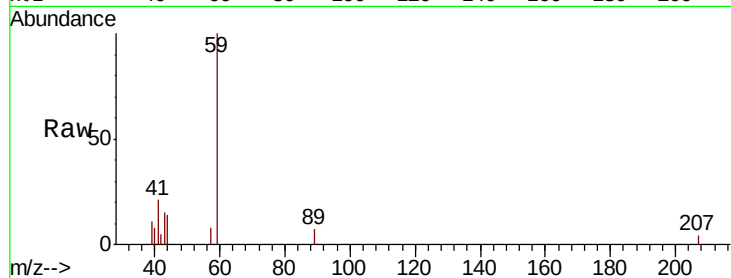


#23

tert-Butyl Alcohol
 Concen: 29.560 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

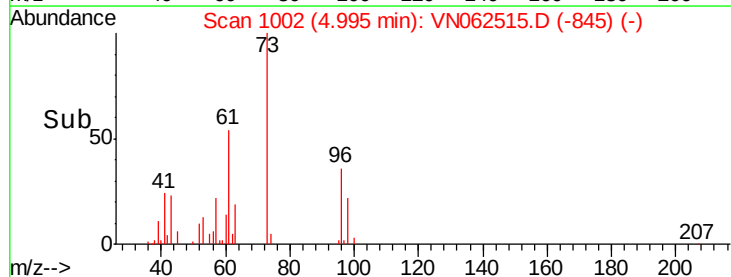
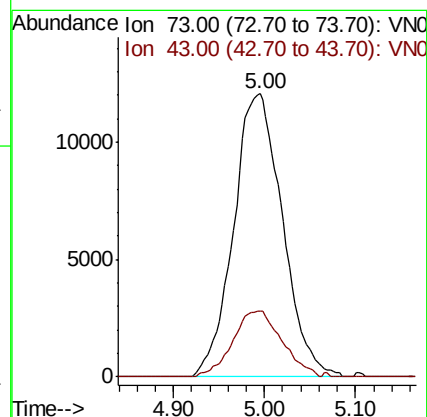
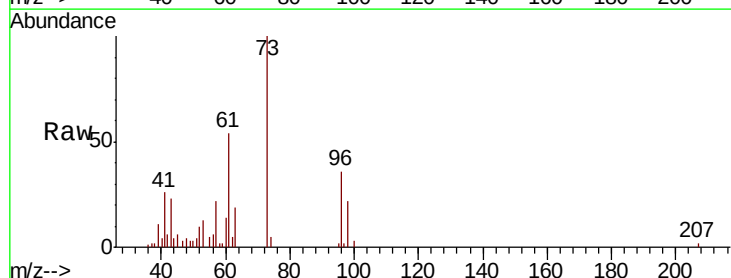
Tot Ion: 59 Resp: 14746
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

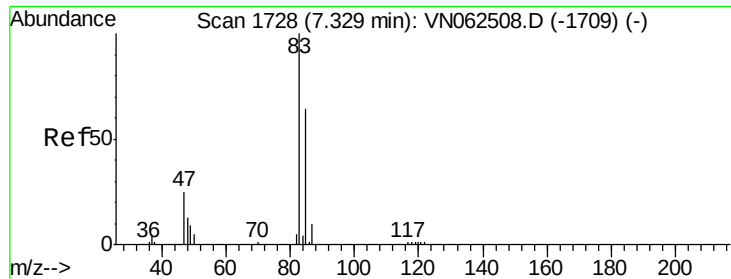


#24

Methyl tert-Butyl Ether
 Concen: 5.109 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 73 Resp: 45017
 Ion Ratio Lower Upper
 73 100
 43 23.4 16.9 25.3

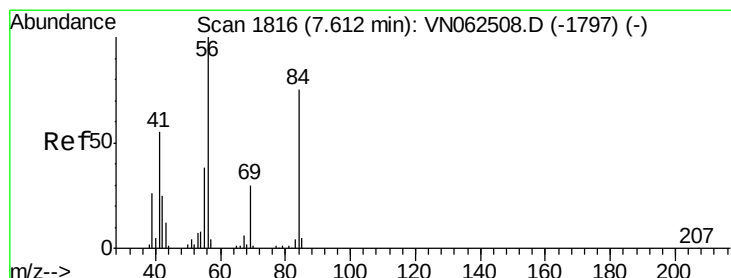
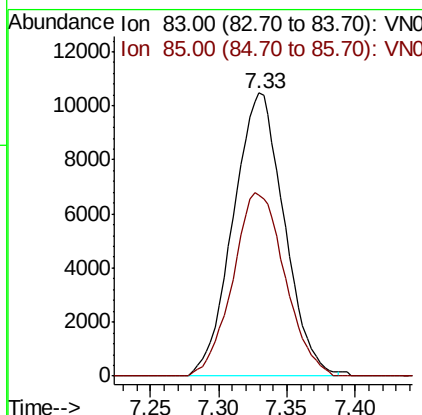
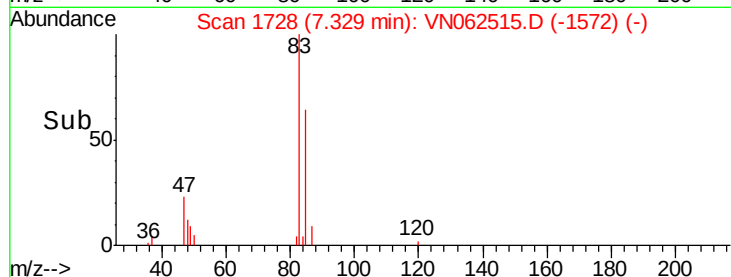
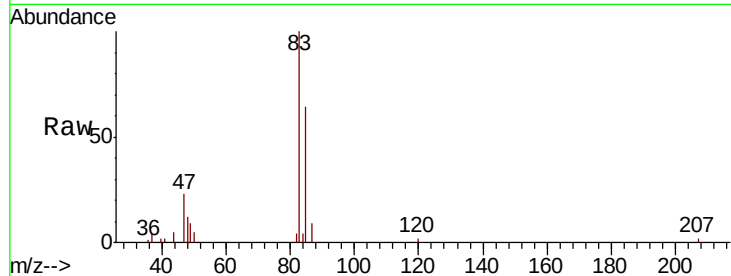




#25
Chloroform
Concen: 5.368 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

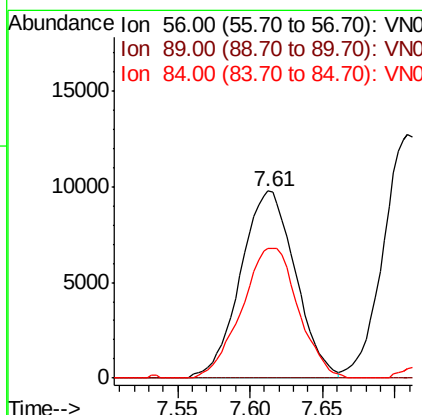
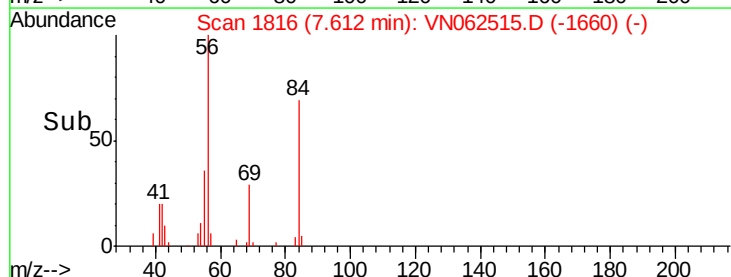
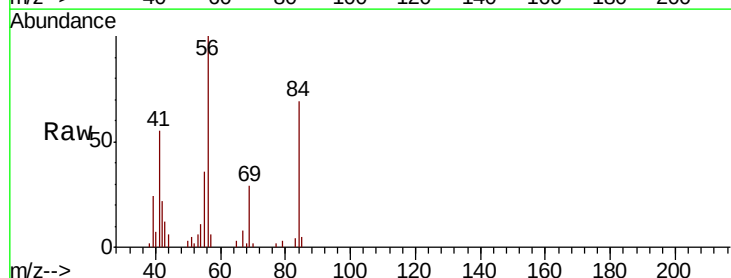
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

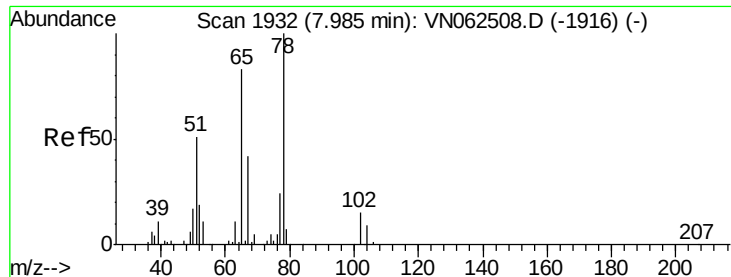
Tot Ion: 83 Resp: 27194
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4



#26
Cyclohexane
Concen: 5.289 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 56 Resp: 25748
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 71.5 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.659 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

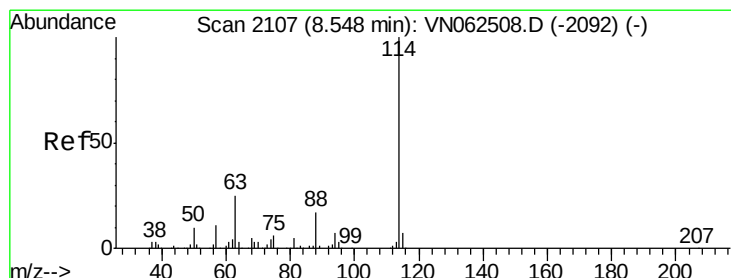
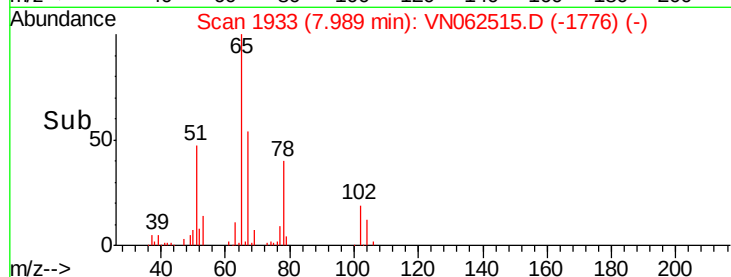
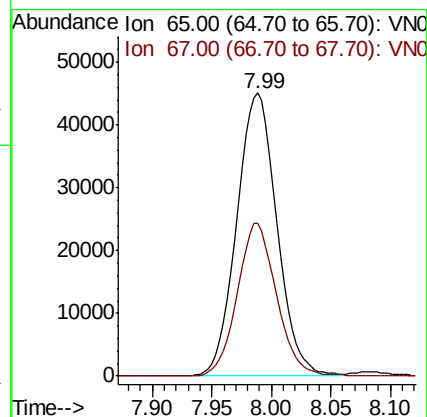
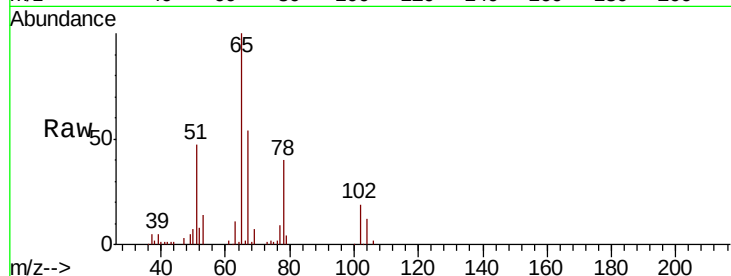
LOQ-WATER-02-QT3-2020

Tot Ion: 65 Resp: 105737

Ion Ratio Lower Upper

65 100

67 52.5 41.7 62.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

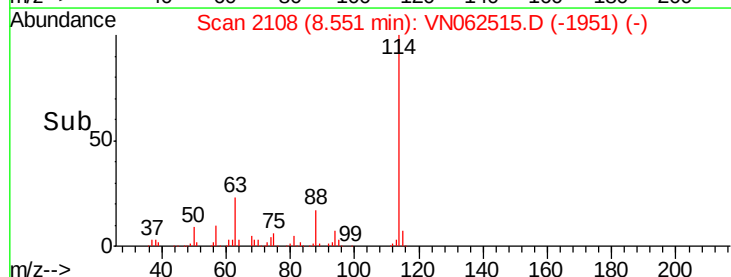
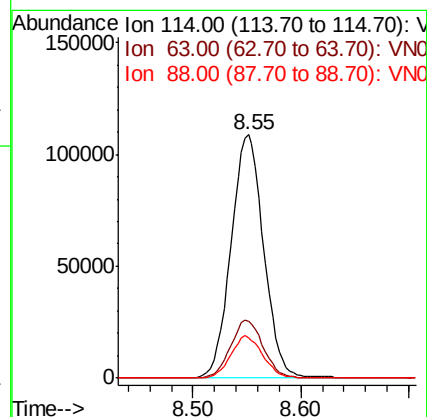
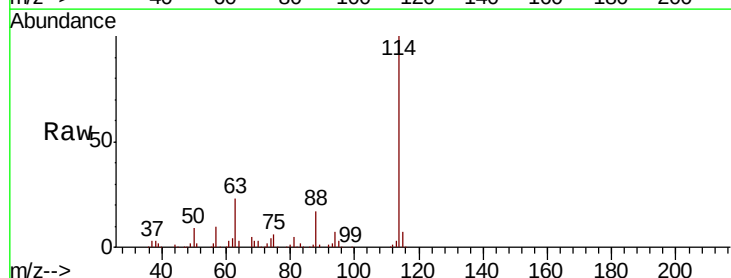
Tgt Ion: 114 Resp: 229470

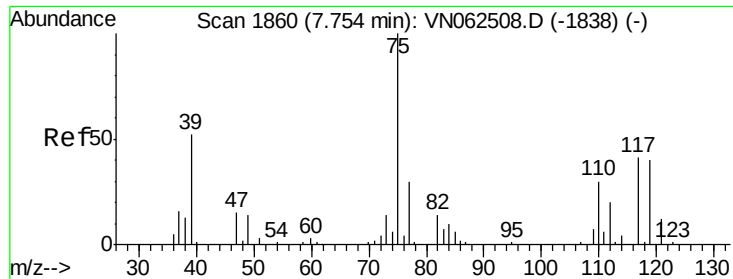
Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.0

88 17.0 13.5 20.3

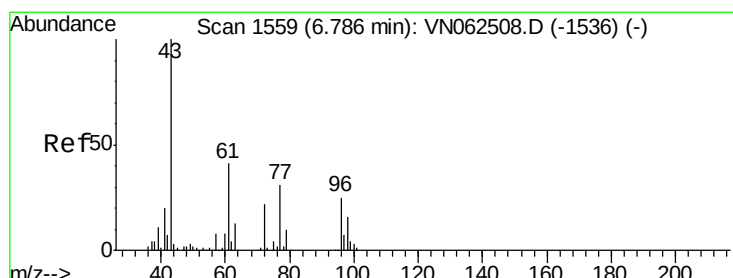
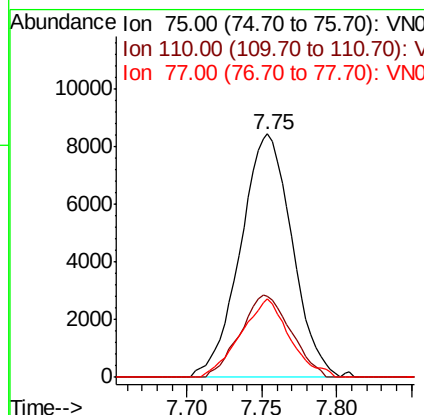
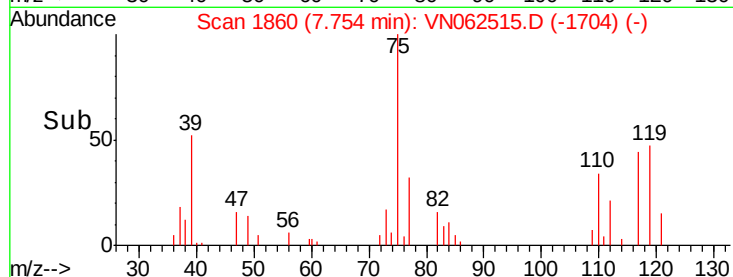
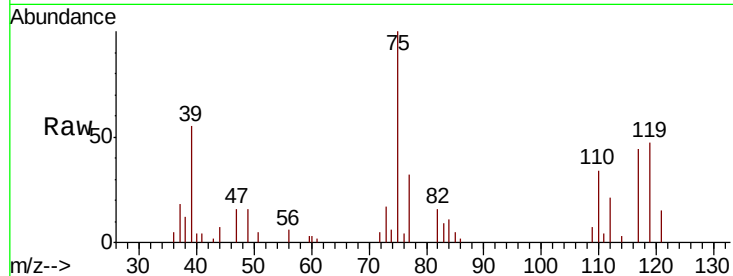




#29
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

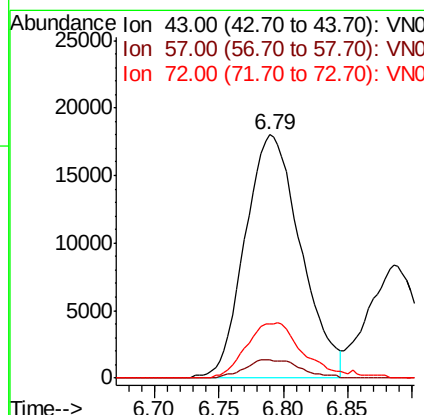
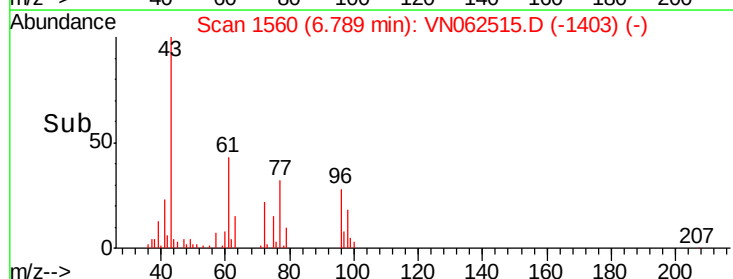
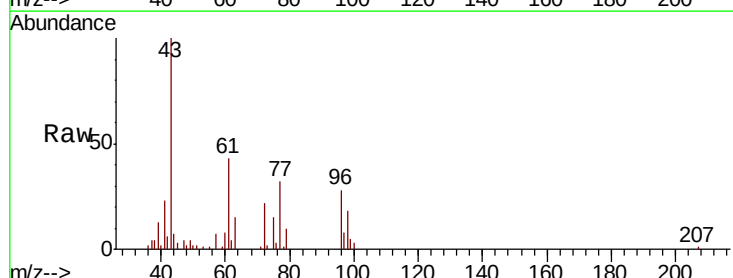
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

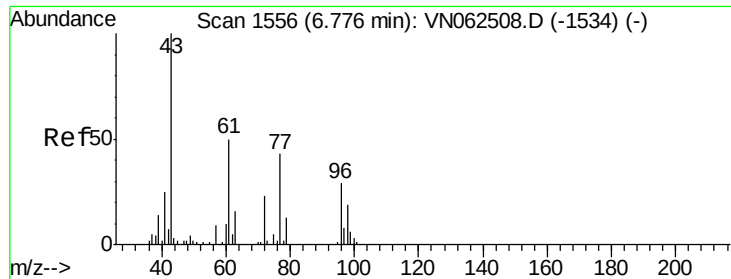
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.1	0.0	62.4
77	30.7	0.0	62.8



#30
 2-Butanone
 Concen: 26.262 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.3	6.6	9.8
72	22.8	18.5	27.7

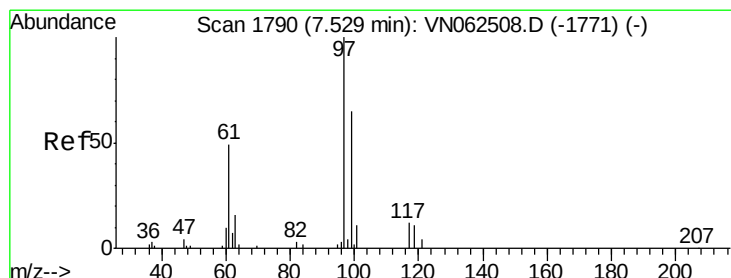
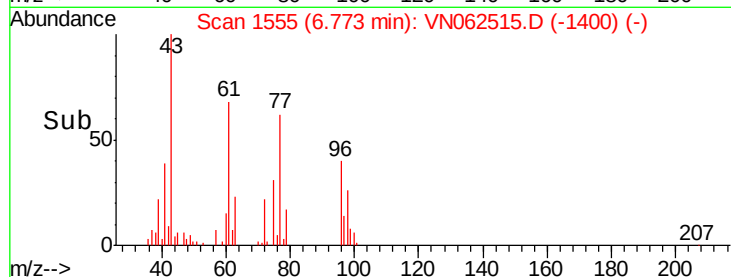
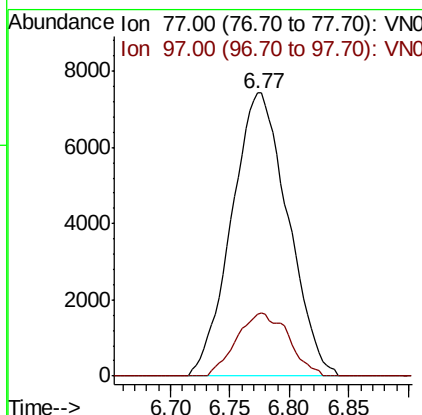
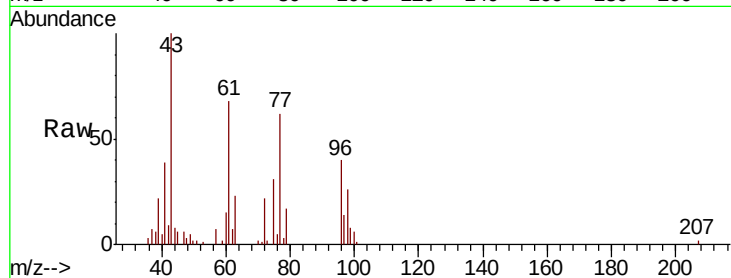




#31
 2,2-Dichloropropane
 Concen: 5.535 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

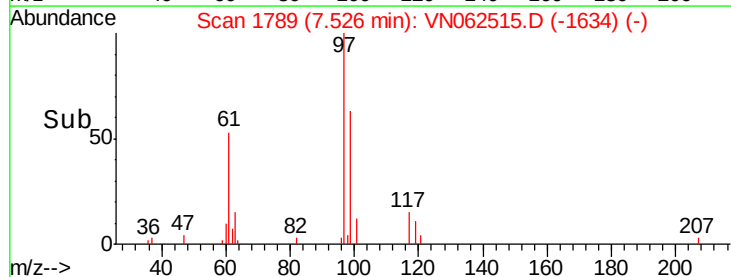
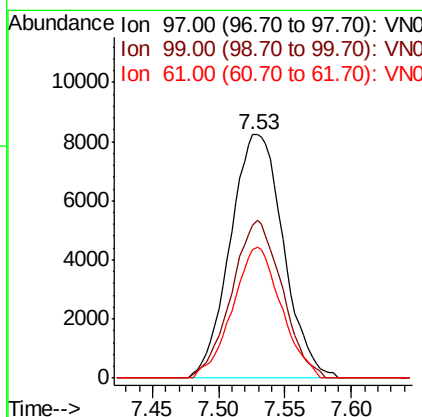
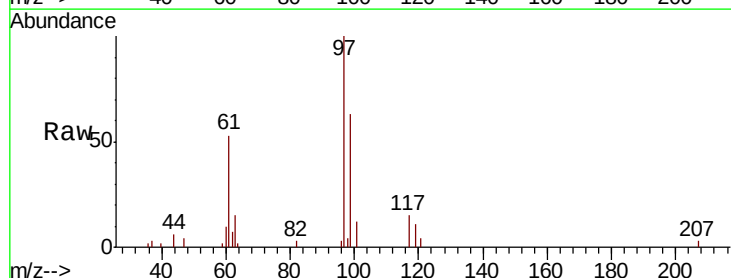
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

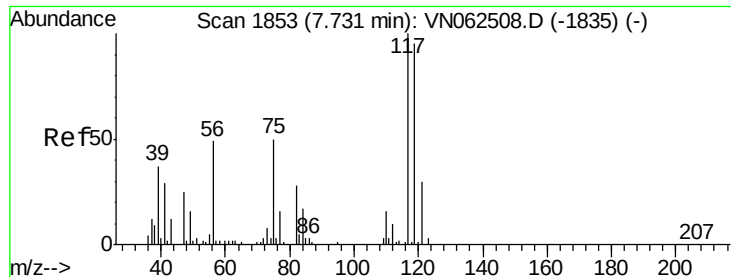
Tot Ion: 77 Resp: 24294
 Ion Ratio Lower Upper
 77 100
 97 15.1 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 5.494 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 97 Resp: 22984
 Ion Ratio Lower Upper
 97 100
 99 61.3 51.8 77.8
 61 49.4 39.4 59.0

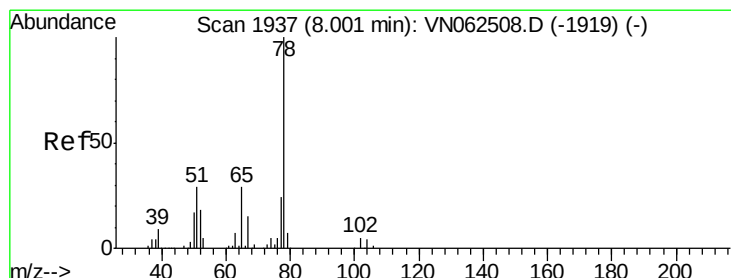
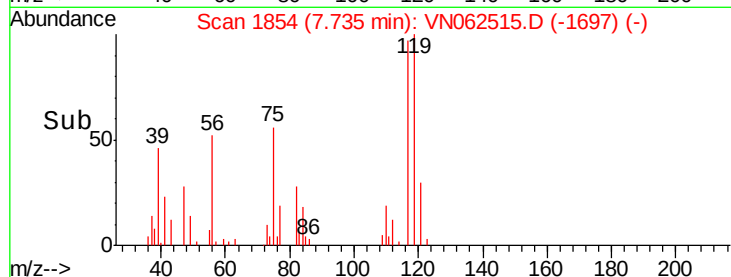
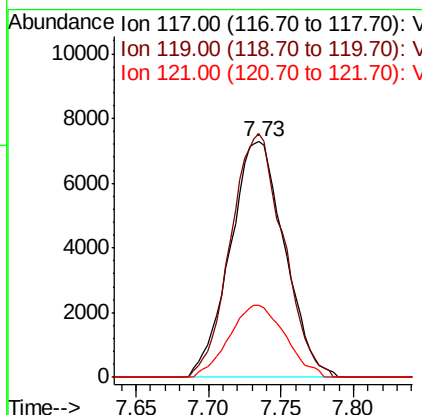
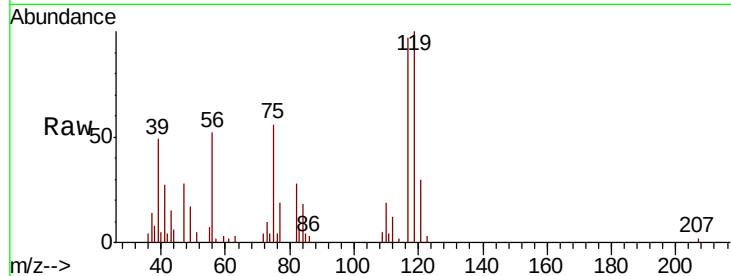




#33
Carbon Tetrachloride
Concen: 5.241 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

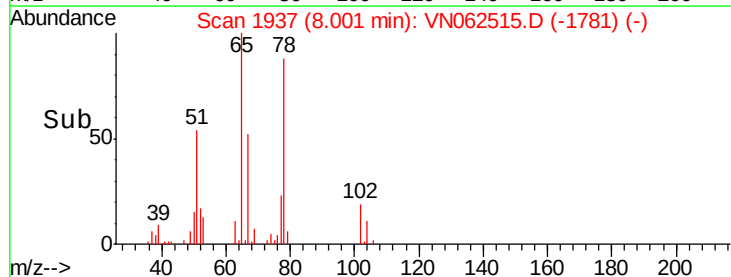
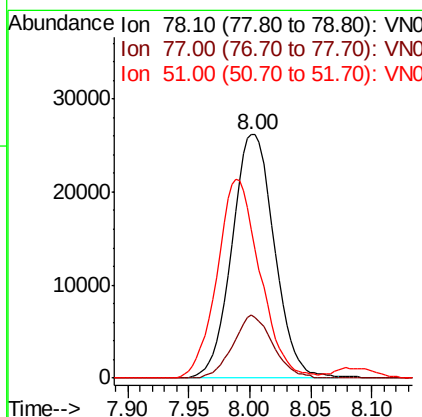
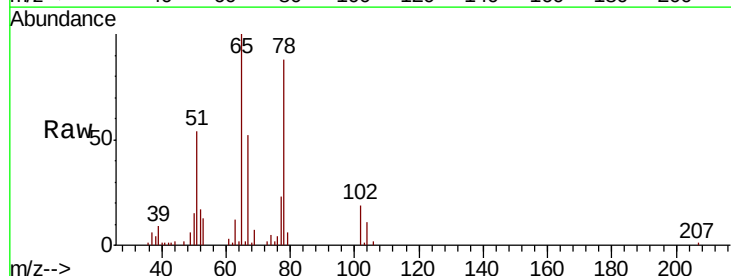
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

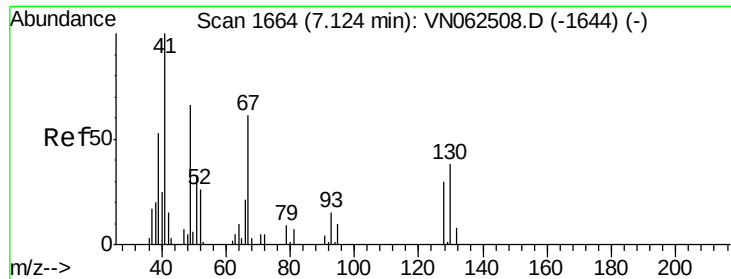
Tot Ion:117 Resp: 19006
Ion Ratio Lower Upper
117 100
119 103.3 76.2 114.4
121 30.8 23.8 35.6



#34
Benzene
Concen: 5.462 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 78 Resp: 63162
Ion Ratio Lower Upper
78 100
77 25.8 18.9 28.3
51 58.4 23.1 34.7#

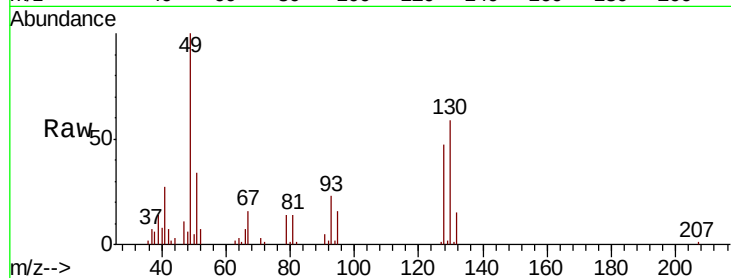




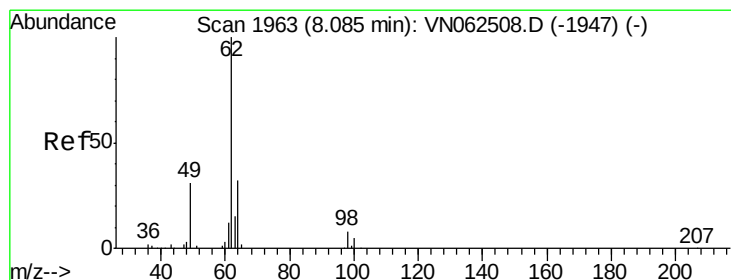
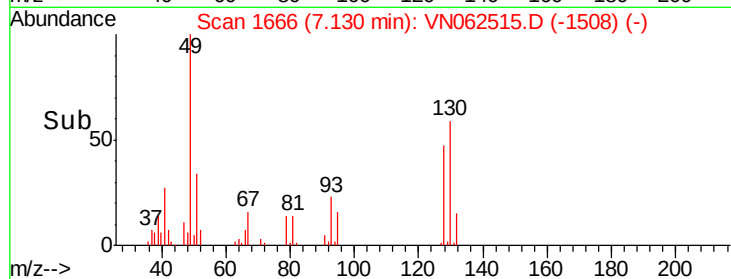
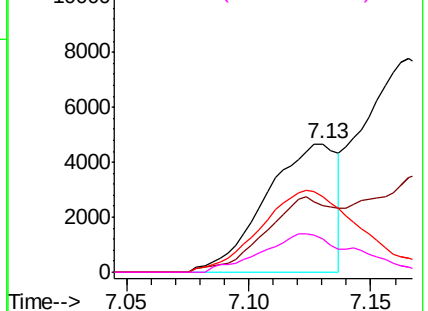
#35
Methacrylonitrile
Concen: 5.218 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 41 Resp: 9462
Ion Ratio Lower Upper
41 100
39 51.9 26.5 79.5
67 59.1 30.7 92.1
52 25.7 13.0 39.0

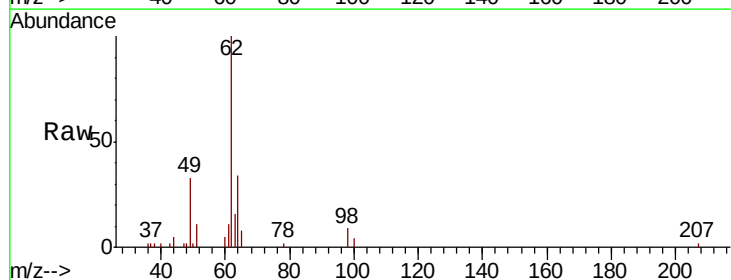


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

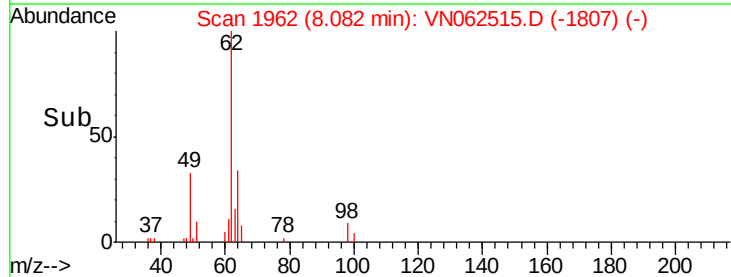
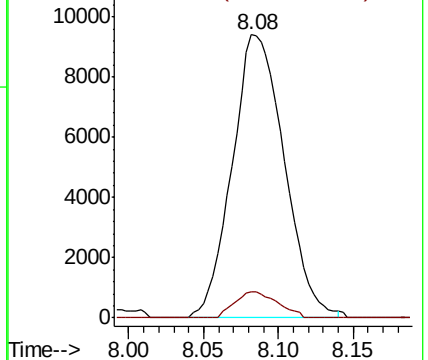


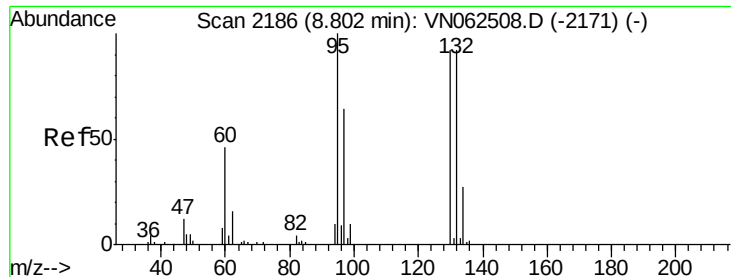
#36
1,2-Dichloroethane
Concen: 5.487 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 62 Resp: 22807
Ion Ratio Lower Upper
62 100
98 7.7 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 5.372 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

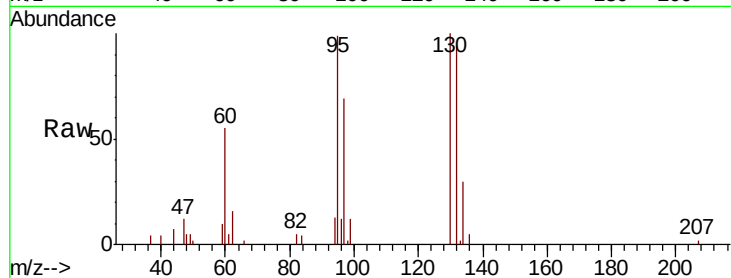
LOQ-WATER-02-QT3-2020

Tot Ion:130 Resp: 13954

Ion Ratio Lower Upper

130 100

95 98.9 86.5 129.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

6000

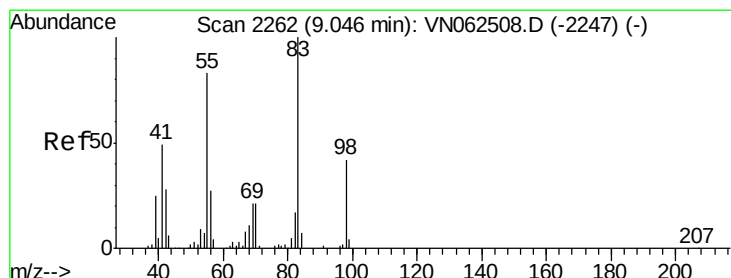
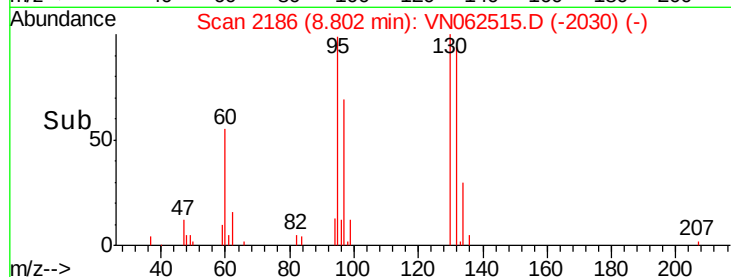
4000

2000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 5.042 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

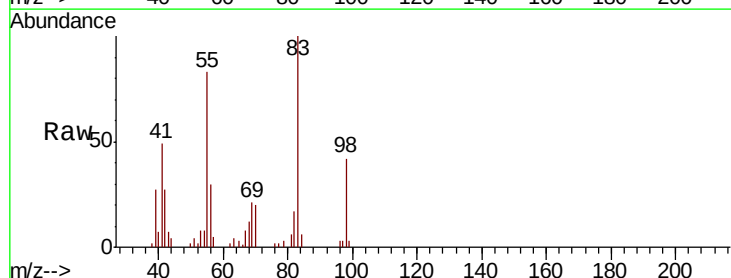
Tgt Ion: 83 Resp: 22015

Ion Ratio Lower Upper

83 100

55 90.5 42.8 128.3

98 43.5 21.9 65.7



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

9.05

15000

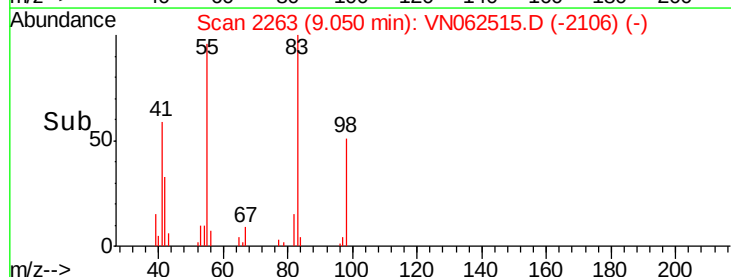
10000

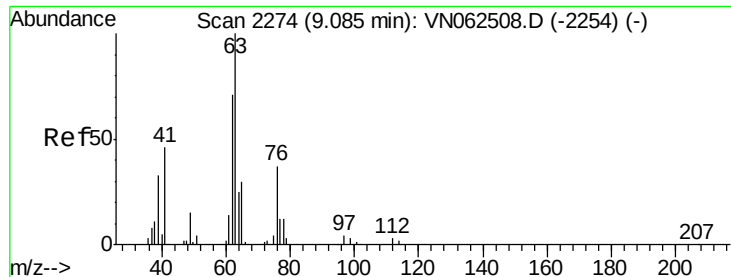
5000

0

9.00 9.05 9.10

Time-->





#39

1,2-Dichloropropane

Concen: 5.319 ug/l

RT: 9.09 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

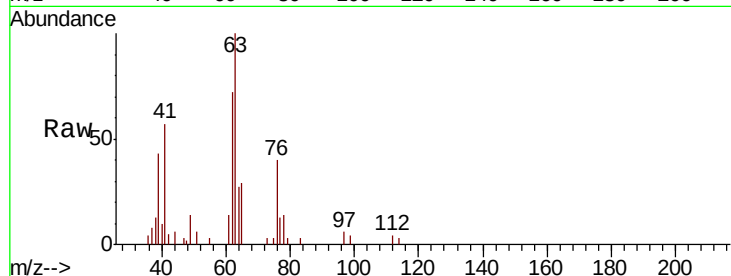
LOQ-WATER-02-QT3-2020

Tot Ion: 63 Resp: 17523

Ion Ratio Lower Upper

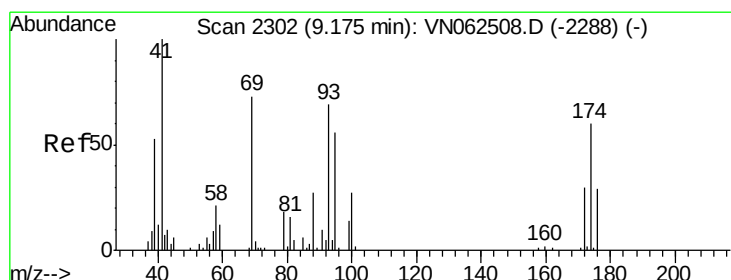
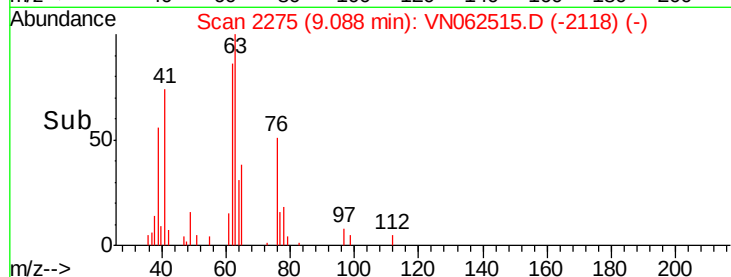
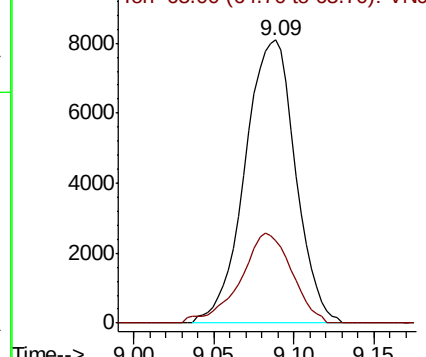
63 100

65 29.3 24.2 36.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 5.511 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

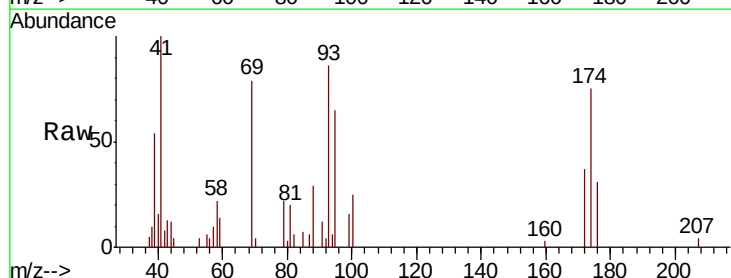
Tgt Ion: 93 Resp: 10464

Ion Ratio Lower Upper

93 100

95 82.0 0.0 161.2

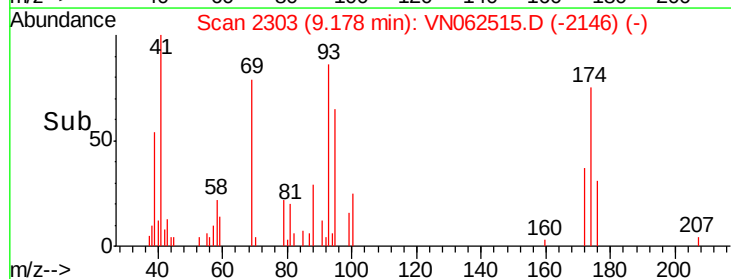
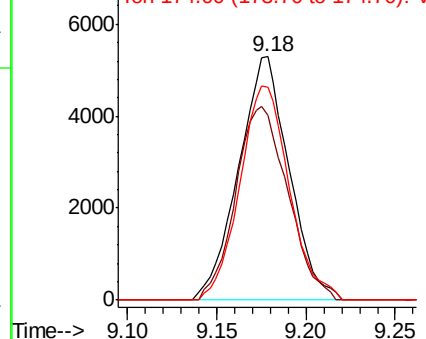
174 86.3 0.0 178.0

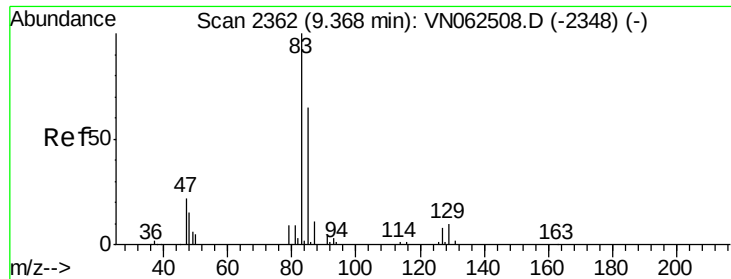


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 5.309 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

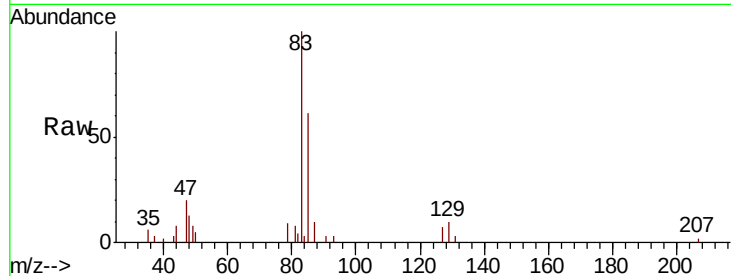
Tot Ion: 83 Resp: 21381

Ion Ratio Lower Upper

83 100

85 61.2 51.6 77.4

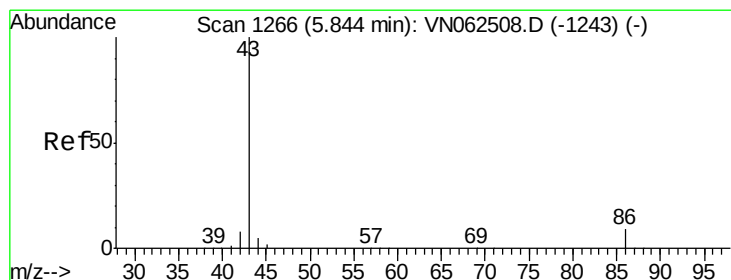
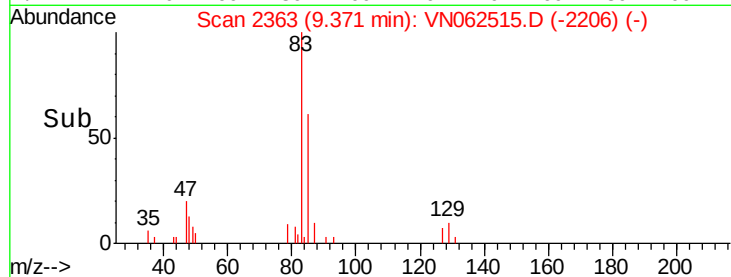
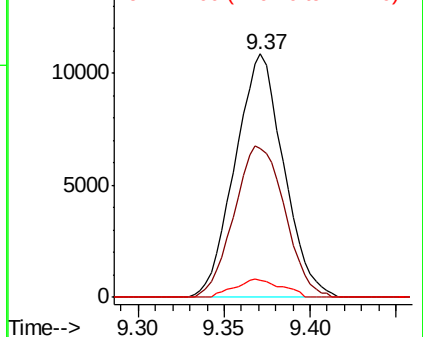
127 7.2 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VN062508.D (-2348) (-)

Ion 85.00 (84.70 to 85.70): VN062508.D (-2348) (-)

Ion 127.00 (126.70 to 127.70): VN062508.D (-2348) (-)



#42

Vinyl Acetate

Concen: 26.038 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062515.D

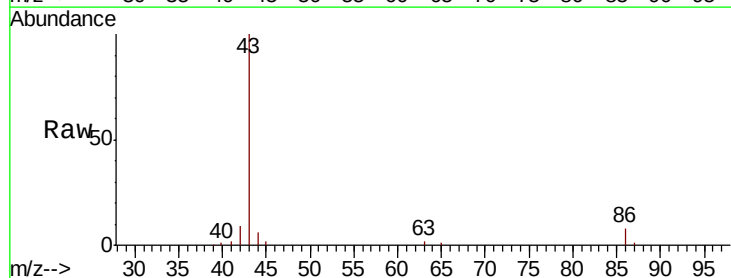
Acq: 13 Jul 2020 14:46

Tgt Ion: 43 Resp: 223356

Ion Ratio Lower Upper

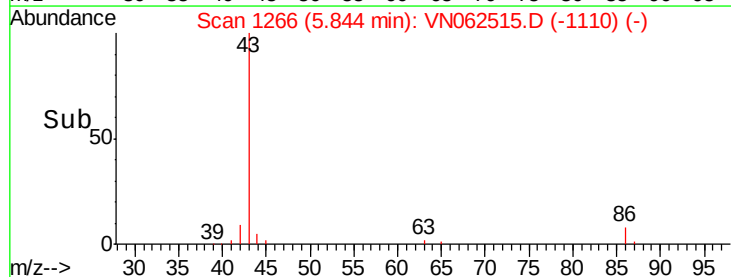
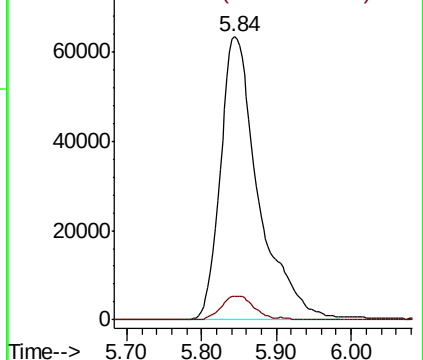
43 100

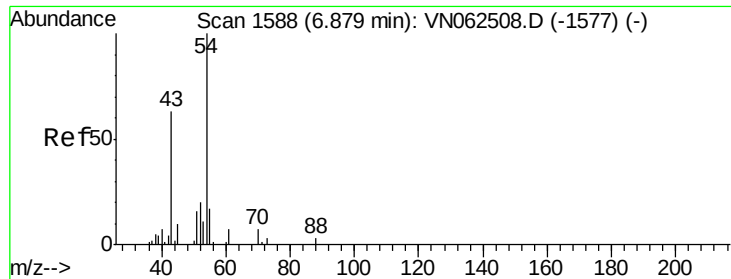
86 4.1 6.1 9.1#



Abundance Ion 43.00 (42.70 to 43.70): VN062508.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062508.D (-1243) (-)





#43

Ethyl Acetate

Concen: 4.657 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

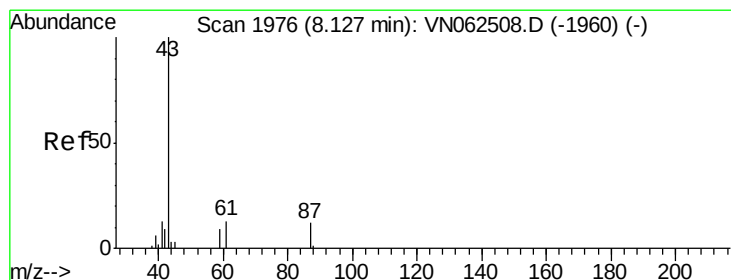
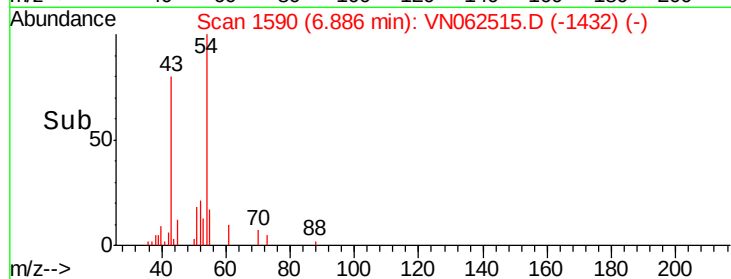
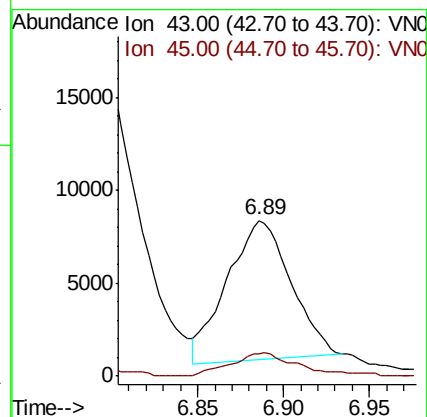
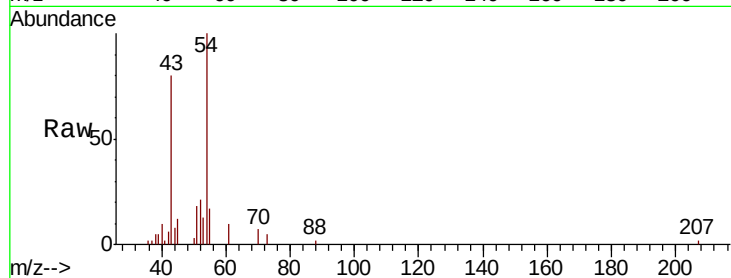
LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 19329

Ion Ratio Lower Upper

43 100

45 17.4 10.2 15.4#



#44

Isopropyl Acetate

Concen: 5.381 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062515.D

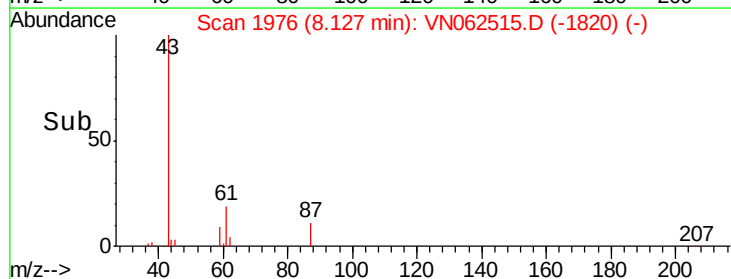
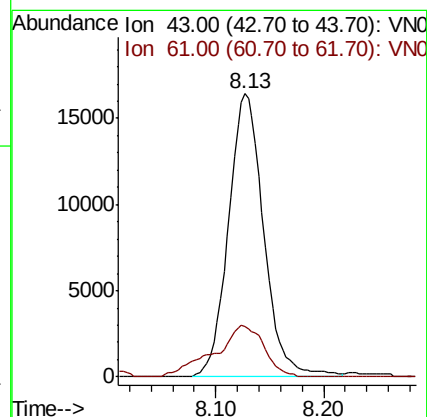
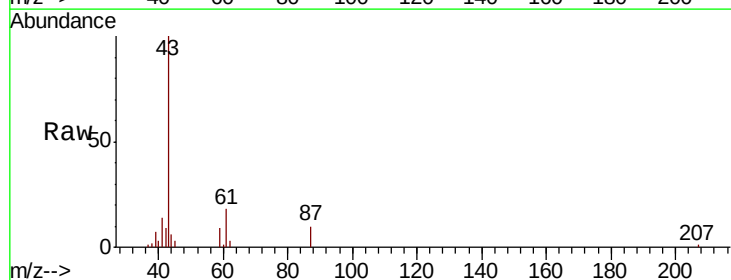
Acq: 13 Jul 2020 14:46

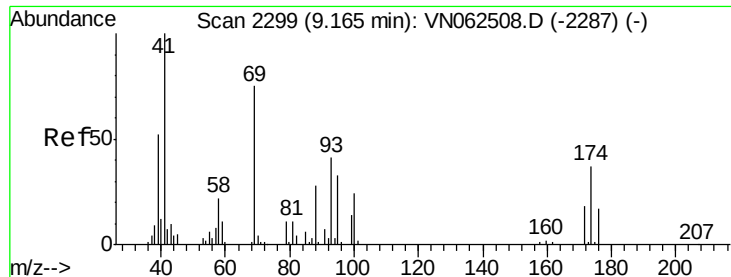
Tgt Ion: 43 Resp: 37472

Ion Ratio Lower Upper

43 100

61 18.1 14.7 22.1

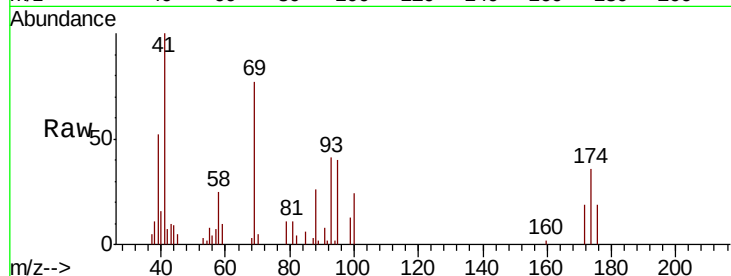




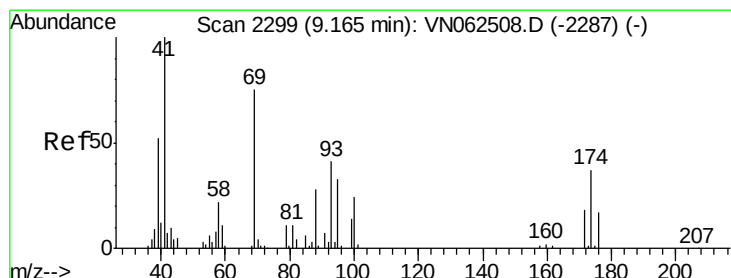
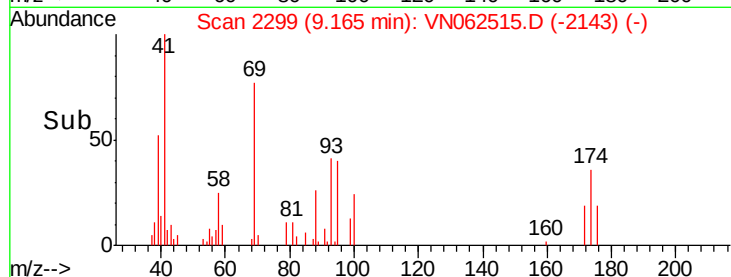
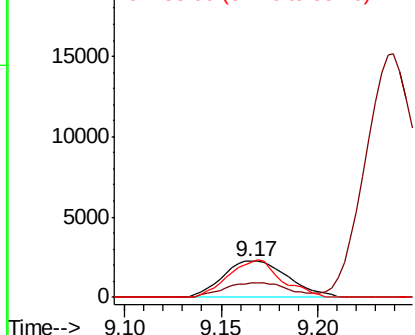
#45
 1,4-Dioxane
 Concen: 111.185 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion: 88 Resp: 5296
 Ion Ratio Lower Upper
 88 100
 43 40.6 29.2 43.8
 58 83.1 62.2 93.4

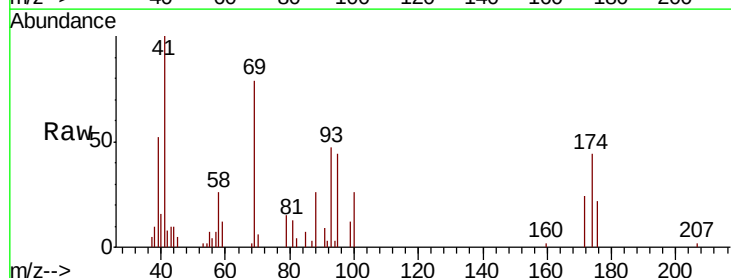


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

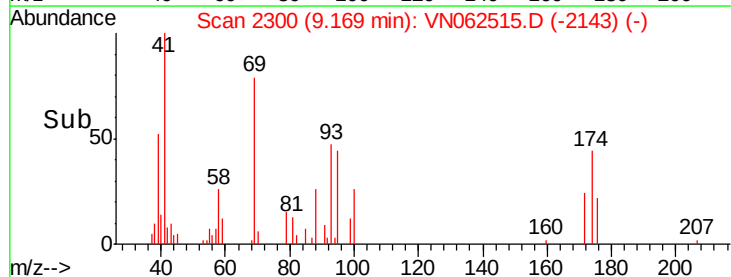
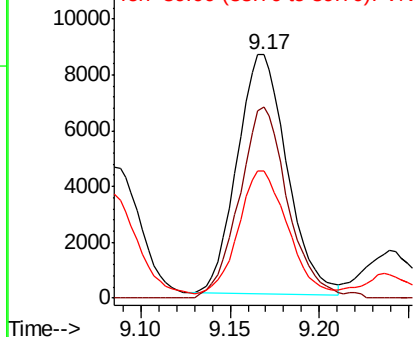


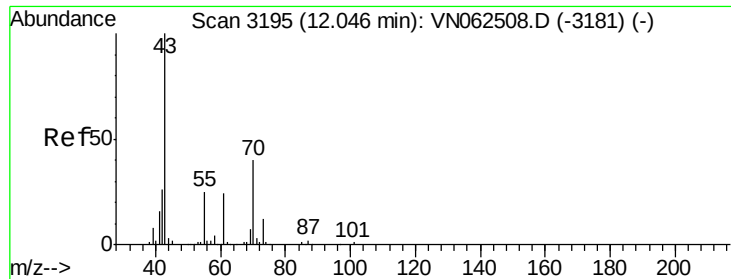
#46
 Methyl methacrylate
 Concen: 5.106 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 41 Resp: 16866
 Ion Ratio Lower Upper
 41 100
 69 80.2 37.4 112.2
 39 51.1 25.9 77.6



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

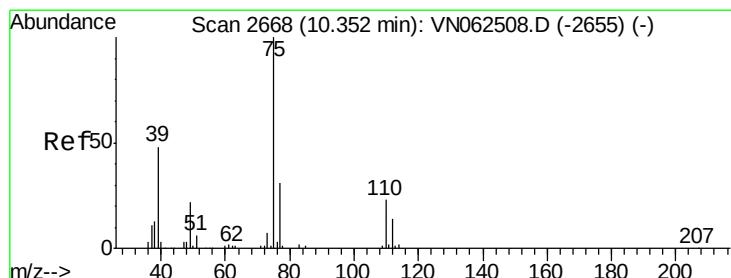
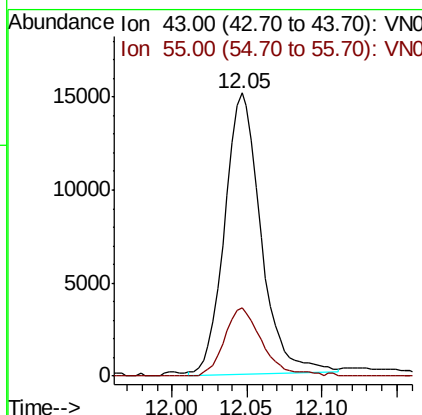
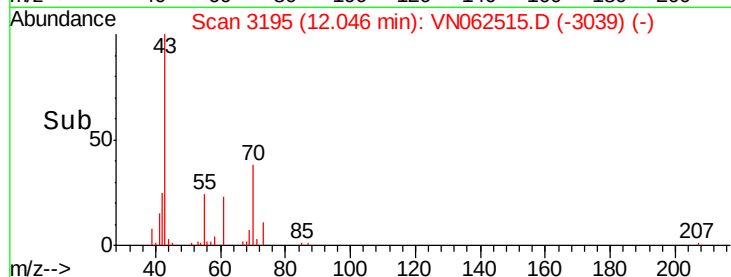
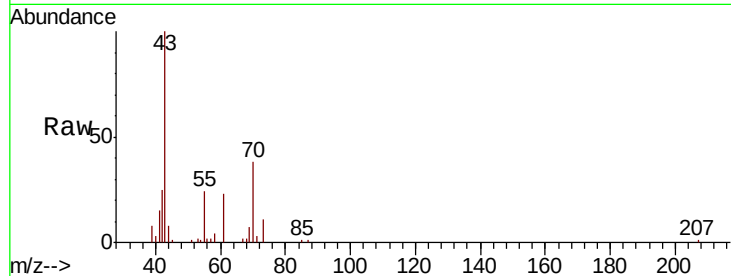




#47
n-amvl Acetate
Concen: 4.355 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

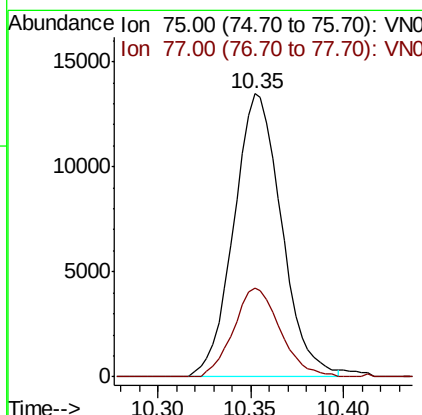
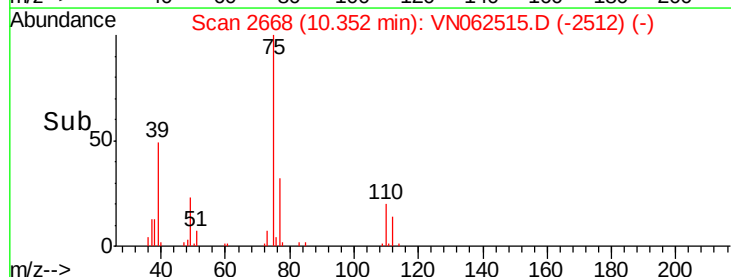
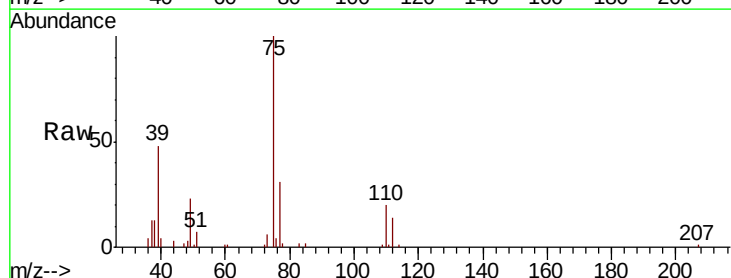
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

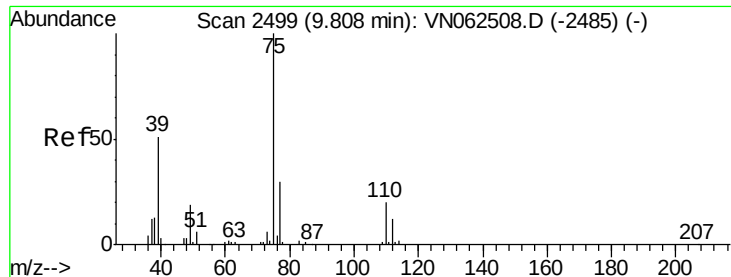
Tot Ion: 43 Resp: 25563
Ion Ratio Lower Upper
43 100
55 24.5 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 5.147 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 75 Resp: 24174
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 5.109 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

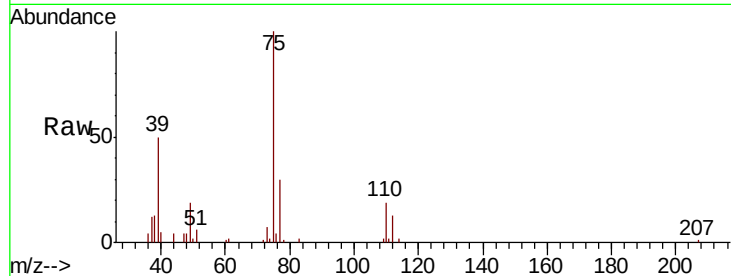
Tot Ion: 75 Resp: 25902

Ion Ratio Lower Upper

75 100

77 30.1 23.7 35.5

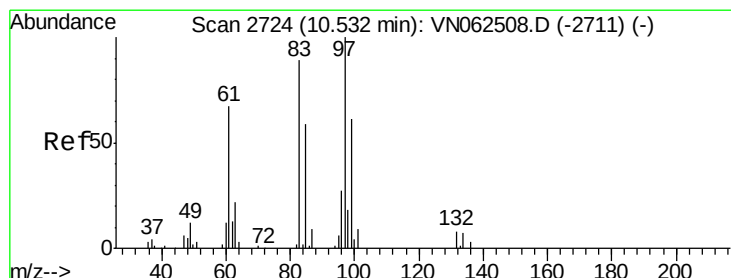
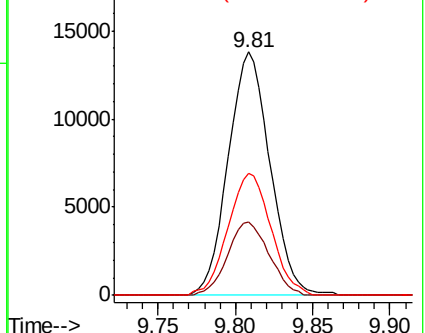
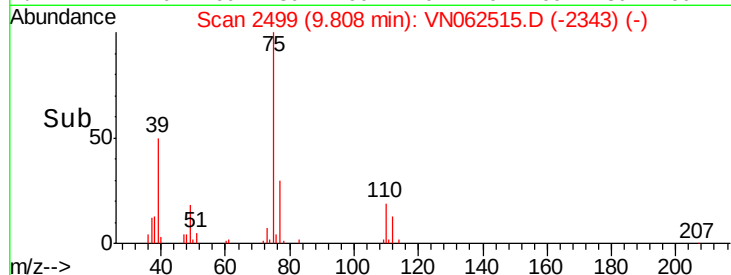
39 50.3 40.5 60.7



Abundance Ion 75.00 (74.70 to 75.70): VN062515.D (-2343) (-)

Ion 77.00 (76.70 to 77.70): VN062515.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN062515.D (-2343) (-)



#50

1,1,2-Trichloroethane

Concen: 5.469 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion: 97 Resp: 14554

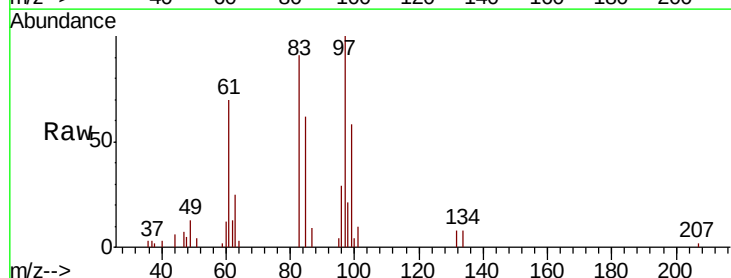
Ion Ratio Lower Upper

97 100

83 91.0 71.3 106.9

85 62.0 47.2 70.8

99 58.1 48.4 72.6

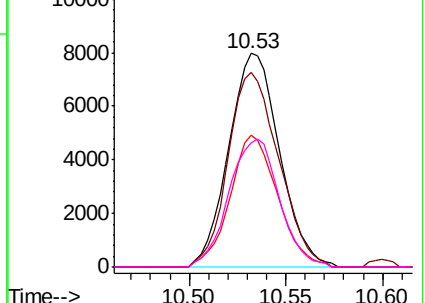
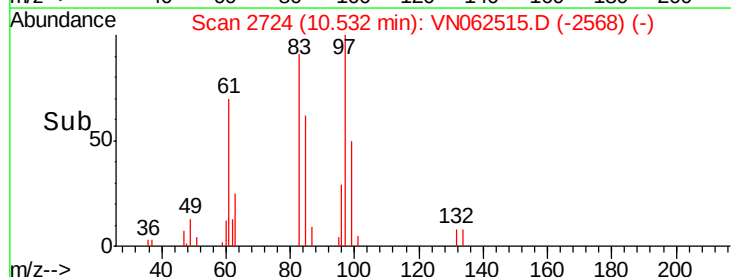


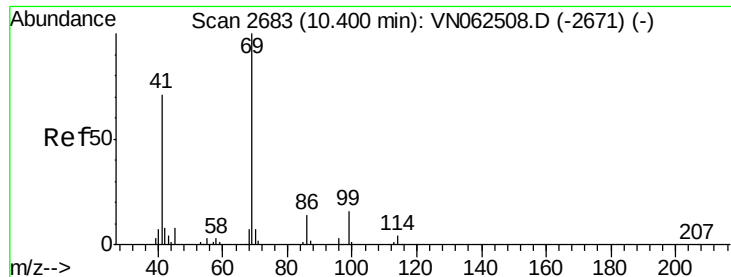
Abundance Ion 97.00 (96.70 to 97.70): VN062515.D (-2568) (-)

Ion 82.95 (82.65 to 83.65): VN062515.D (-2568) (-)

Ion 84.95 (84.65 to 85.65): VN062515.D (-2568) (-)

Ion 98.95 (98.65 to 99.65): VN062515.D (-2568) (-)





#51

Ethyl methacrylate

Concen: 4.827 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

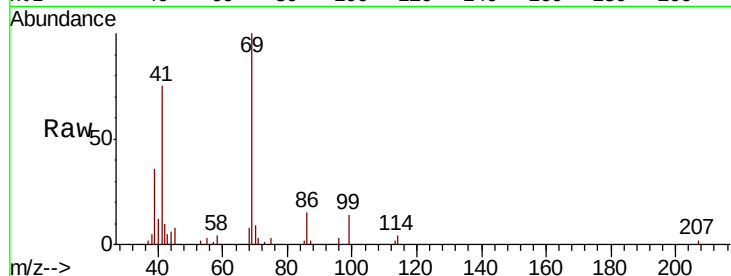
MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 69 Resp: 21630

Ion	Ratio	Lower	Upper
69	100		
41	73.2	35.6	106.8
39	36.5	17.2	51.5

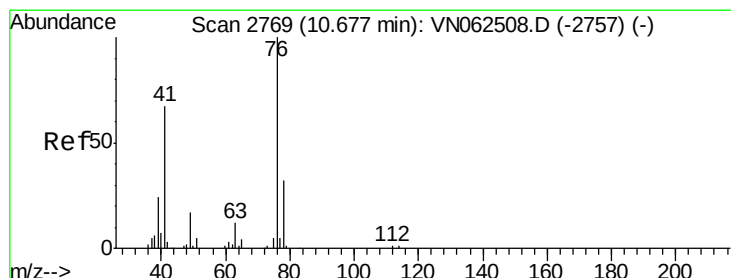
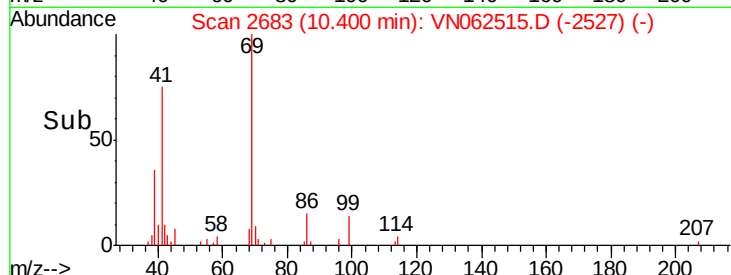
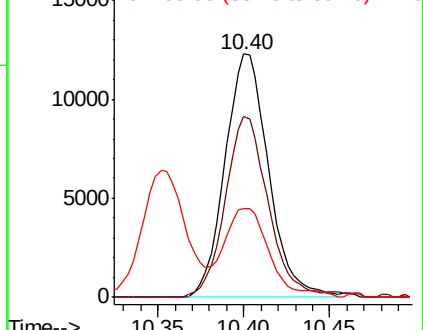


Abundance

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: 5.500 ug/l

RT: 10.68 min Scan# 2769

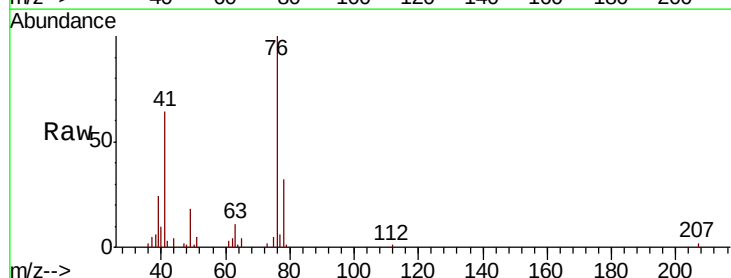
Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Tgt Ion: 76 Resp: 26862

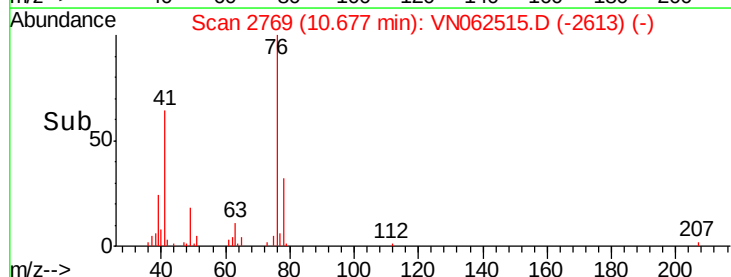
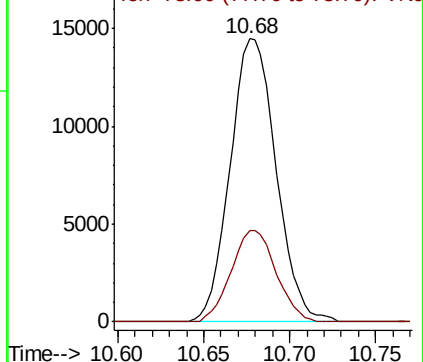
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.6

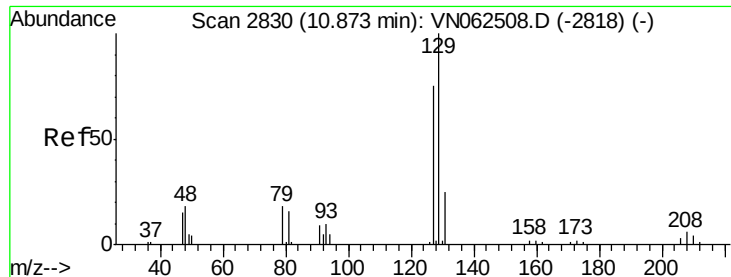


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 5.011 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

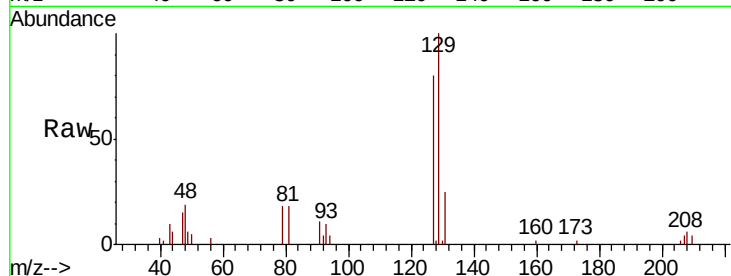
LOQ-WATER-02-QT3-2020

Tot Ion:129 Resp: 14531

Ion Ratio Lower Upper

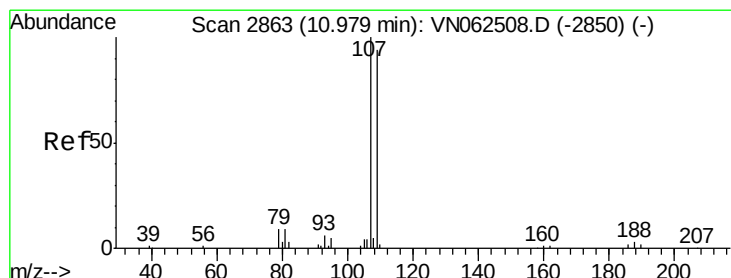
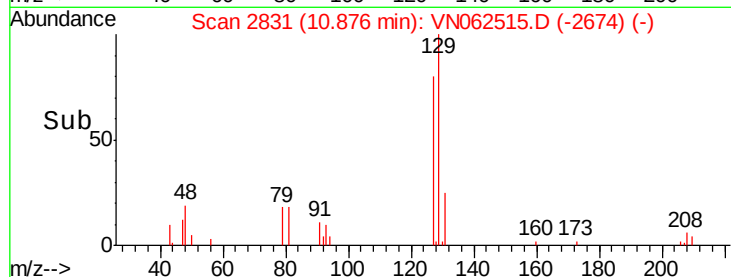
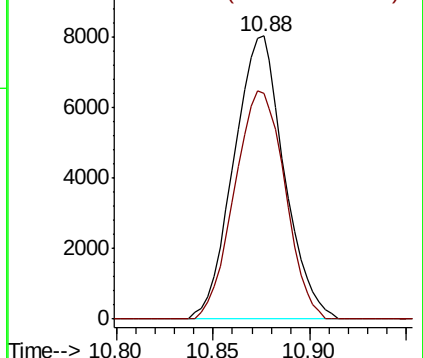
129 100

127 80.7 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.313 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062515.D

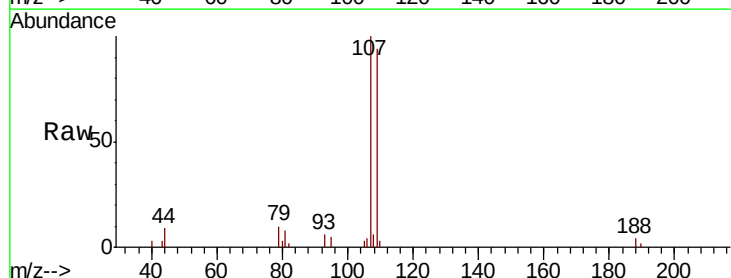
Acq: 13 Jul 2020 14:46

Tgt Ion:107 Resp: 14472

Ion Ratio Lower Upper

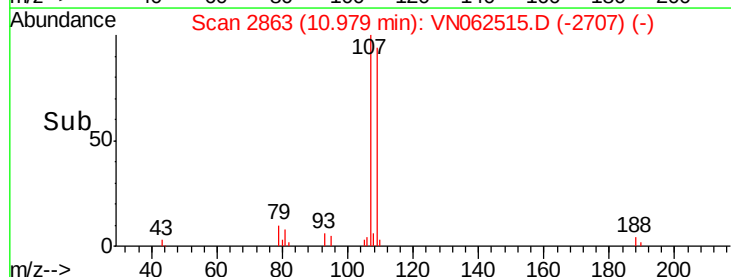
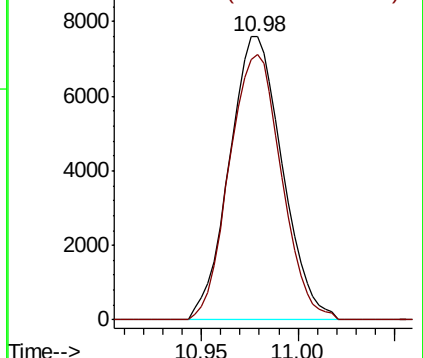
107 100

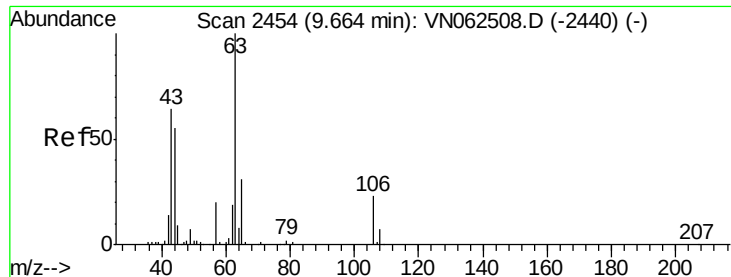
109 92.2 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

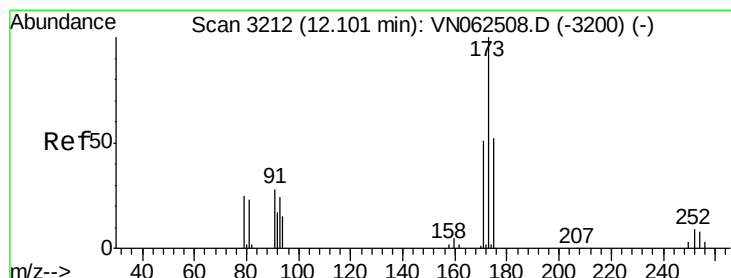
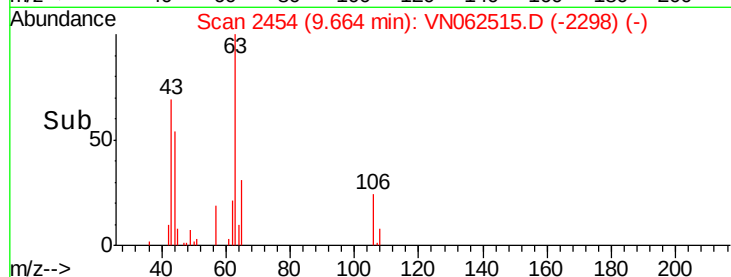
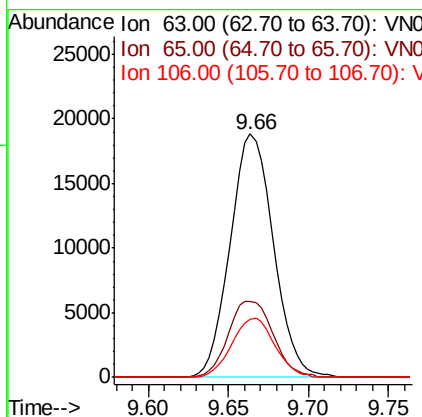
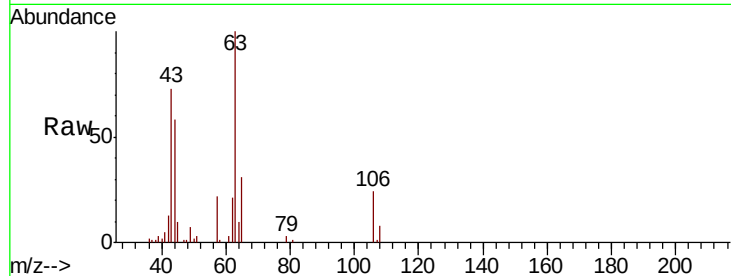




#55
2-Chloroethyl vinyl ether
Concen: 24.355 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

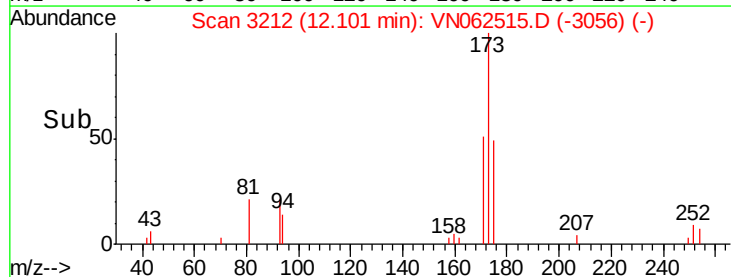
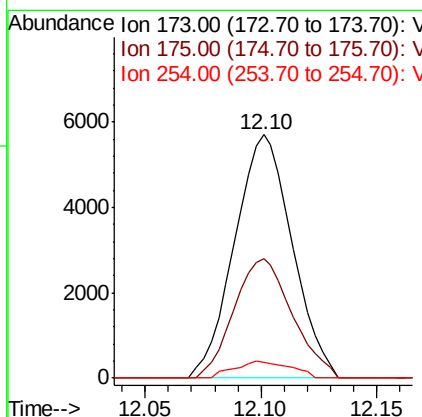
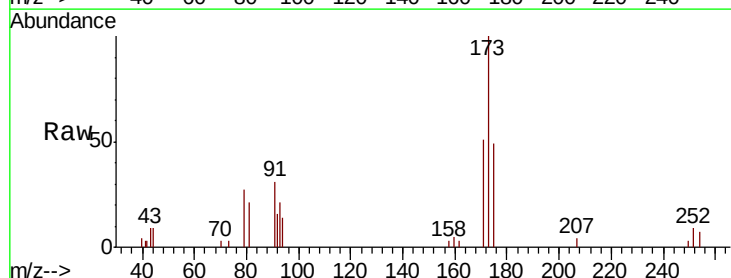
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

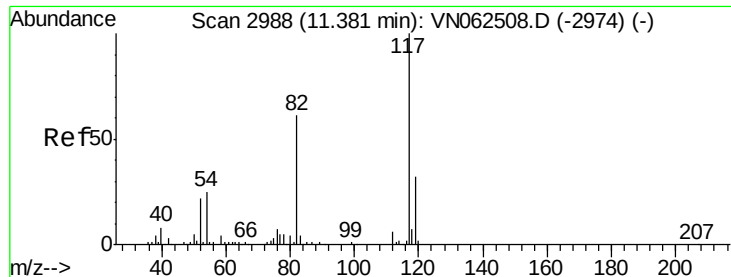
Tot Ion: 63 Resp: 34855
Ion Ratio Lower Upper
63 100
65 32.5 25.4 38.2
106 23.9 18.4 27.6



#56
Bromoform
Concen: 4.961 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 173 Resp: 9826
Ion Ratio Lower Upper
173 100
175 49.5 38.1 57.1
254 6.8 6.2 9.2

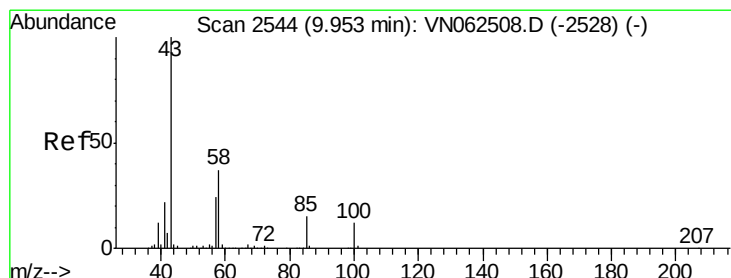
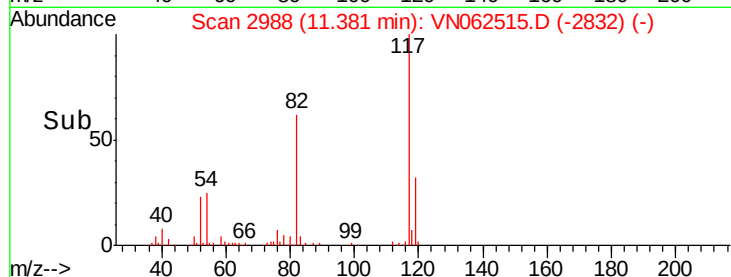
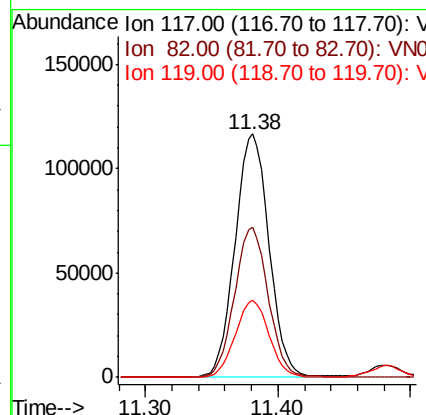
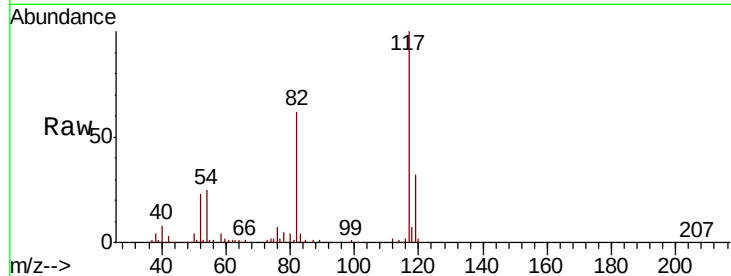




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

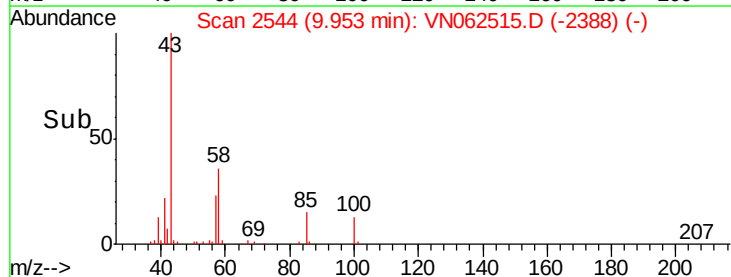
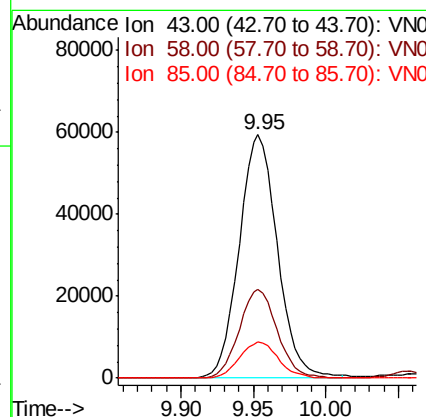
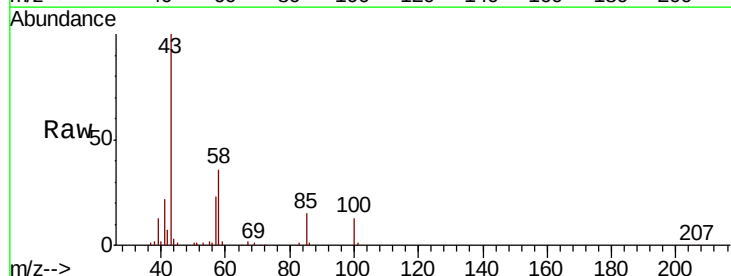
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

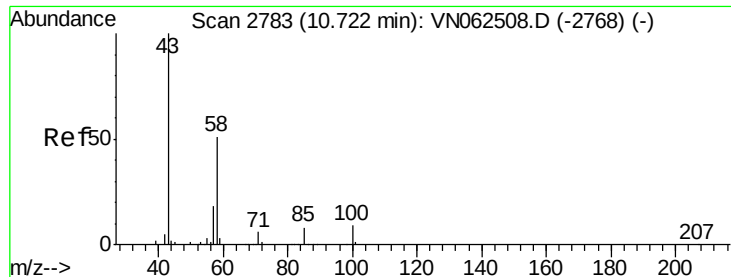
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.0	73.6
119	31.4	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 26.897 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.6	44.4
85	15.1	12.0	18.0

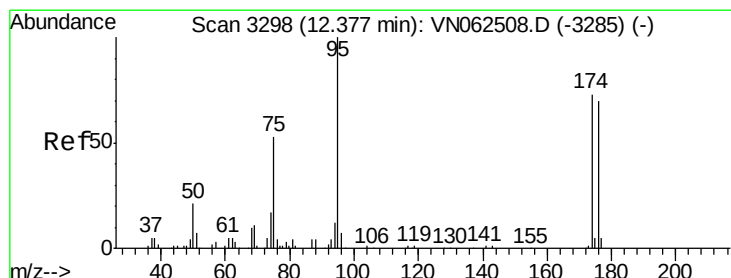
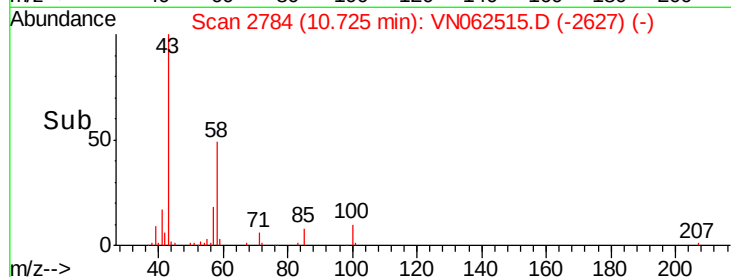
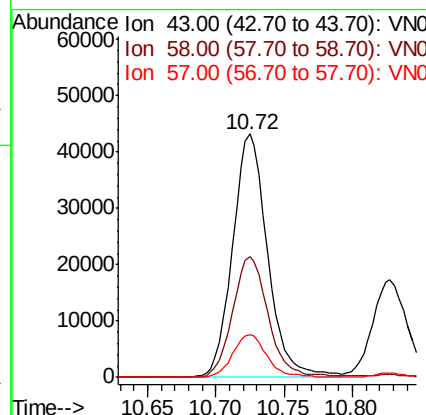
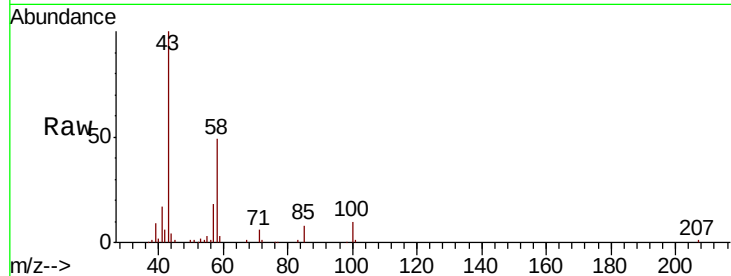




#59
2-Hexanone
Concen: 25.904 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

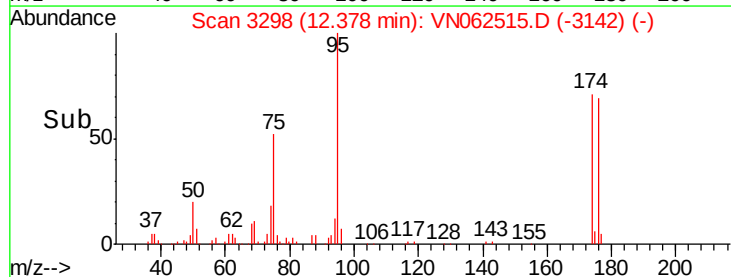
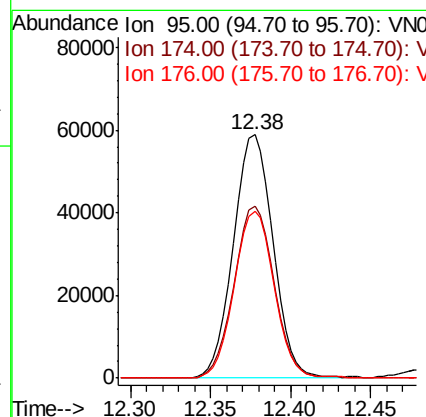
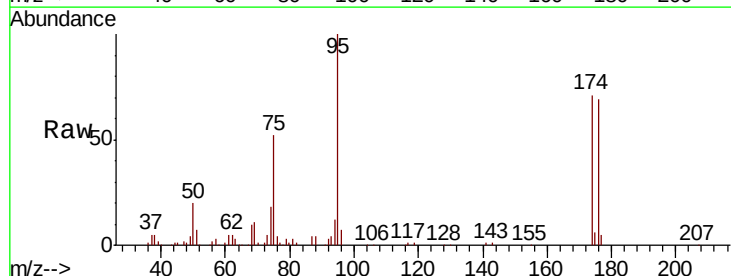
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

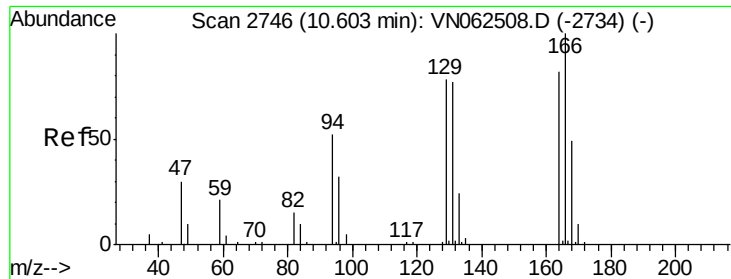
Tot Ion: 43 Resp: 77140
Ion Ratio Lower Upper
43 100
58 49.8 41.2 61.8
57 17.1 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 28.120 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 95 Resp: 99730
Ion Ratio Lower Upper
95 100
174 71.2 57.5 86.3
176 69.0 56.3 84.5

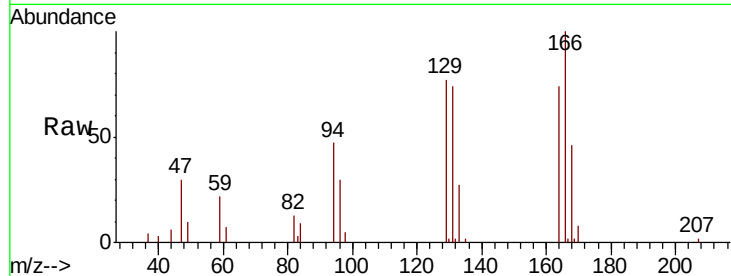




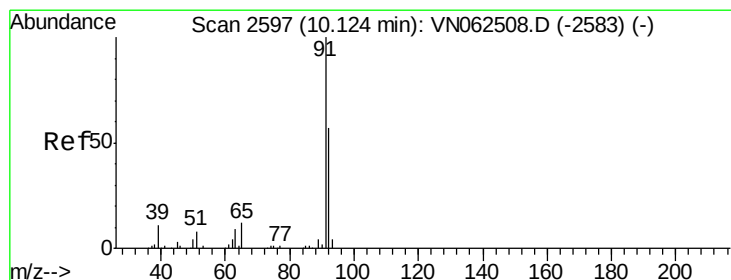
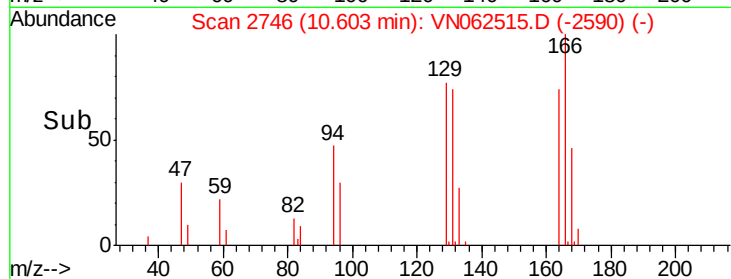
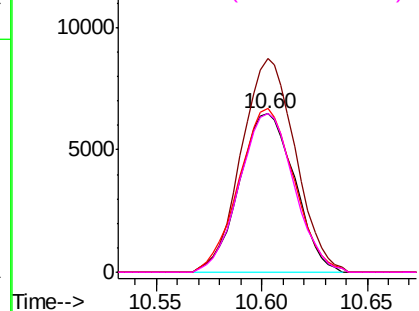
#61
Tetrachloroethene
Concen: 5.536 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:164 Resp: 11816
Ion Ratio Lower Upper
164 100
166 134.6 97.7 146.5
129 103.3 77.0 115.4
131 100.2 75.0 112.6

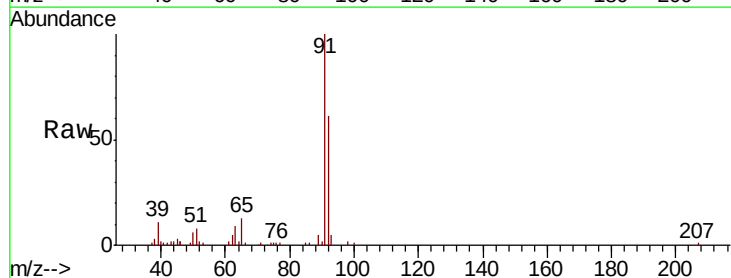


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

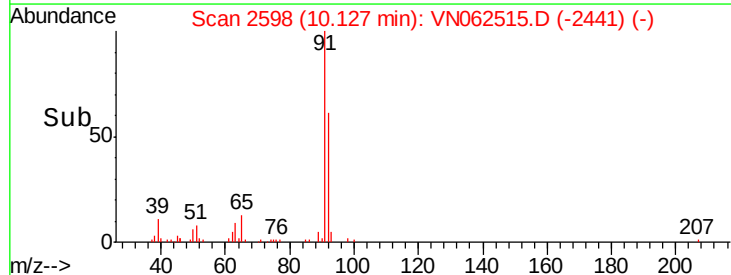
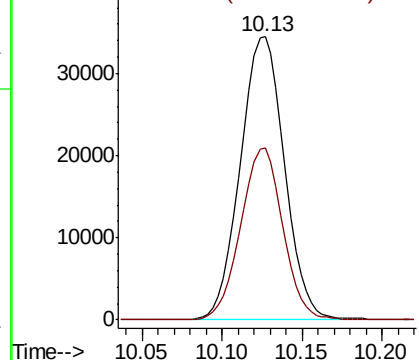


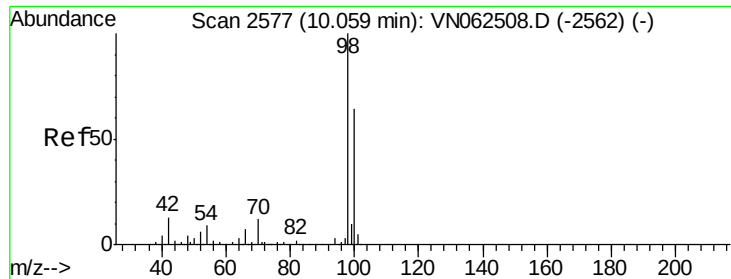
#62
Toluene
Concen: 5.490 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion: 91 Resp: 64904
Ion Ratio Lower Upper
91 100
92 57.7 45.8 68.6



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





#63

Toluene-d8

Concen: 30.354 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

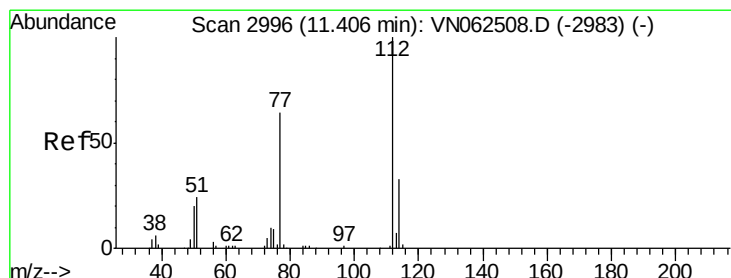
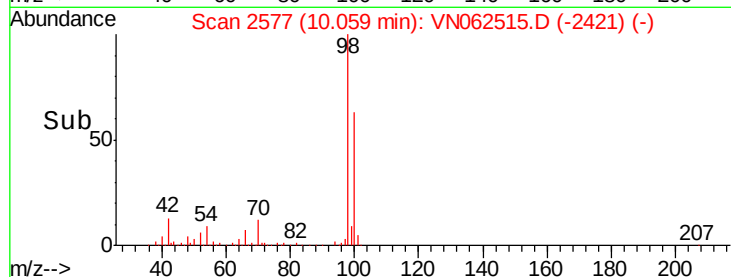
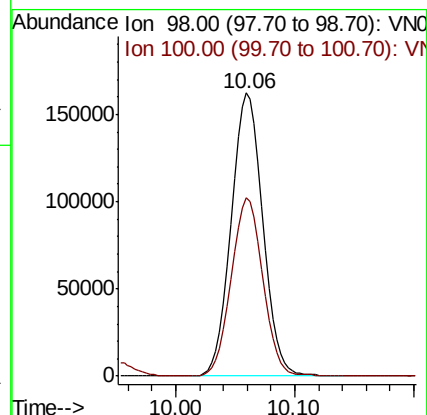
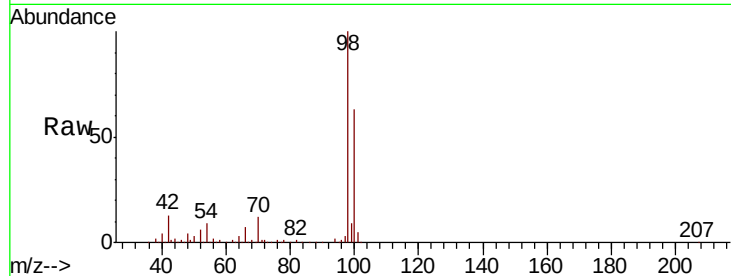
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Tot Ion: 98 Resp: 298917

Ion Ratio Lower Upper

98 100

100 63.0 50.4 75.6



#64

Chlorobenzene

Concen: 5.330 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062515.D

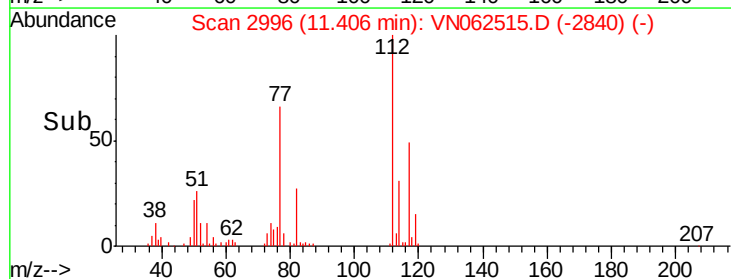
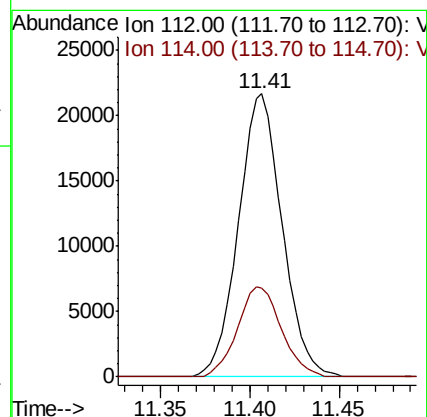
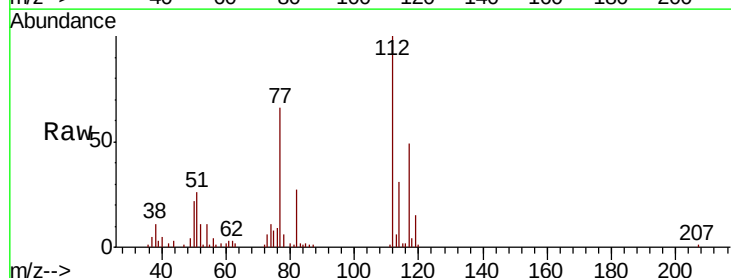
Acq: 13 Jul 2020 14:46

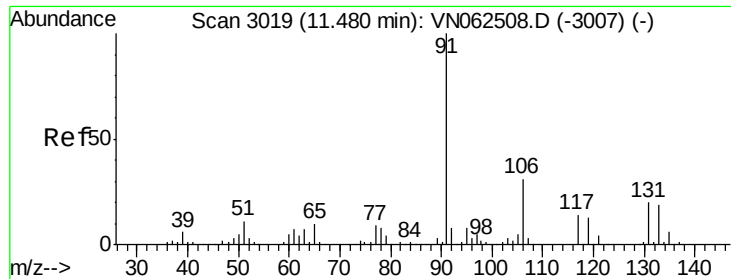
Tgt Ion: 112 Resp: 37029

Ion Ratio Lower Upper

112 100

114 31.5 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 5.296 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

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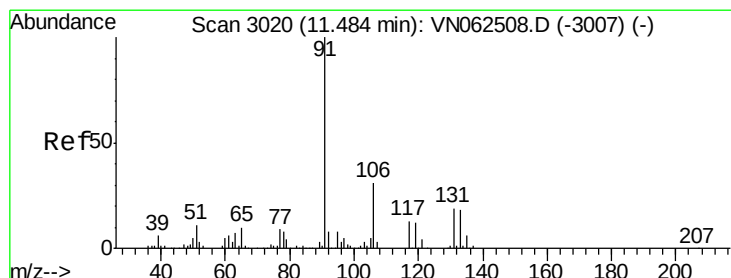
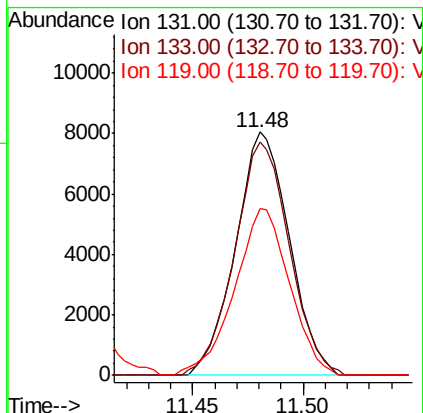
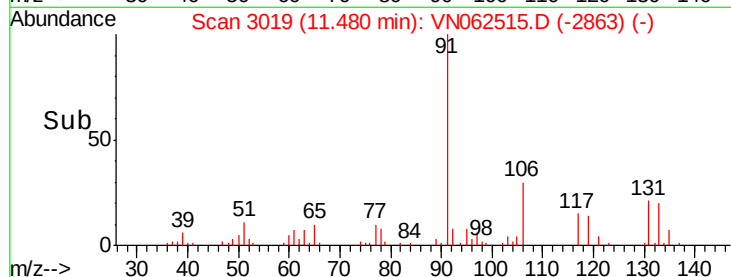
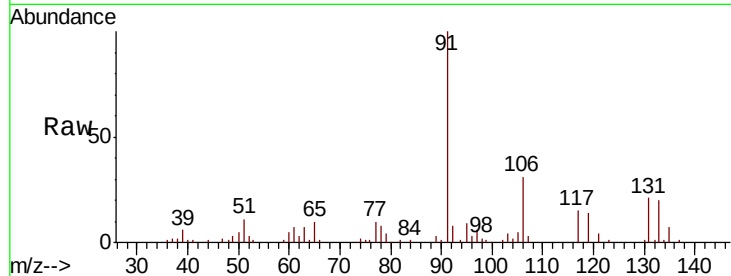
Tot Ion:131 Resp: 13619

Ion Ratio Lower Upper

131 100

133 97.5 0.0 191.4

119 69.9 0.0 136.2



#66

Ethyl Benzene

Concen: 5.167 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062515.D

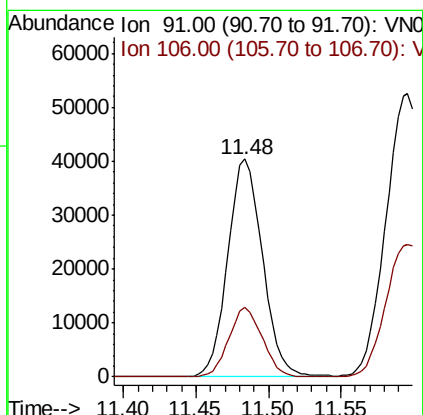
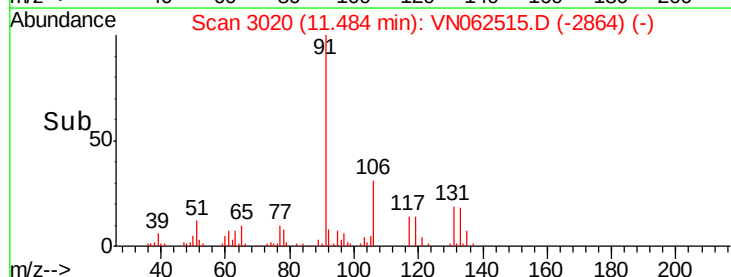
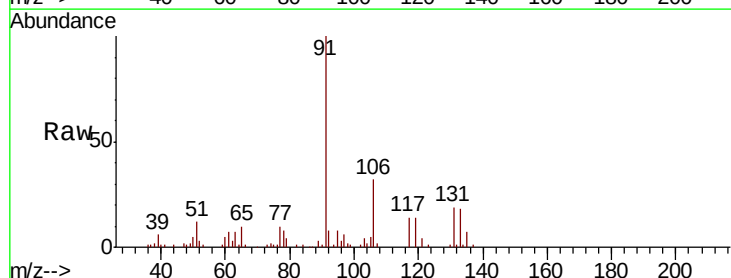
Acq: 13 Jul 2020 14:46

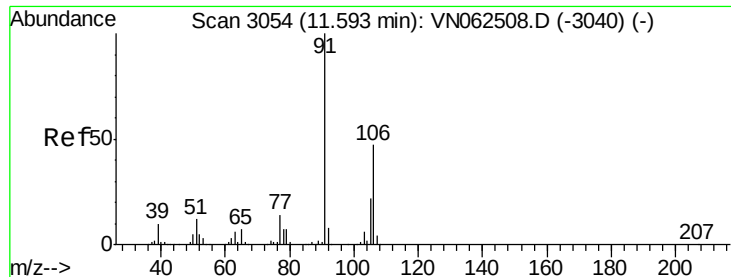
Tgt Ion: 91 Resp: 67652

Ion Ratio Lower Upper

91 100

106 31.8 24.6 36.8





#67

m/p-Xylenes

Concen: 10.277 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

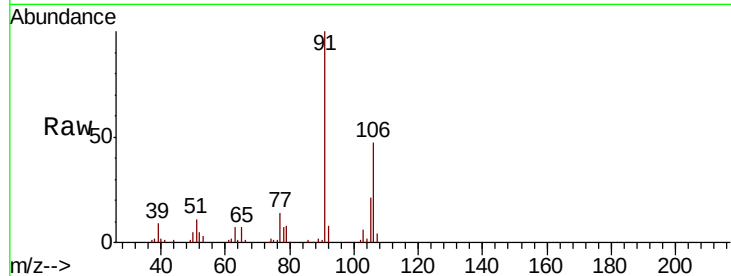
LOQ-WATER-02-QT3-2020

Tot Ion:106 Resp: 48839

Ion Ratio Lower Upper

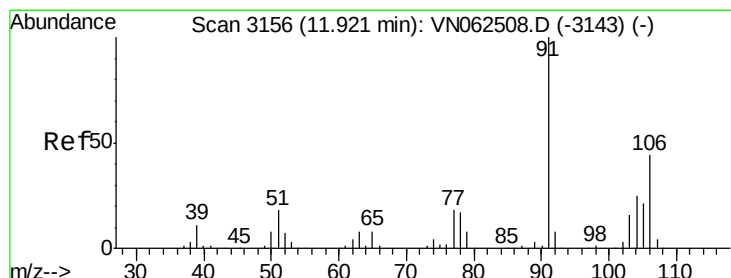
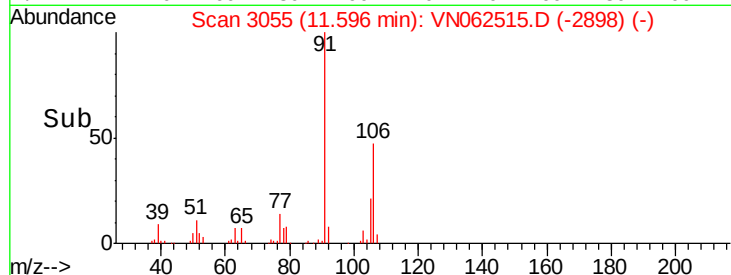
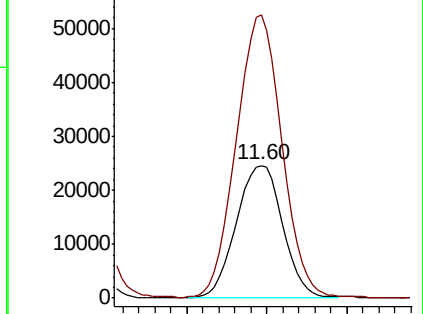
106 100

91 208.3 170.7 256.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 5.043 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062515.D

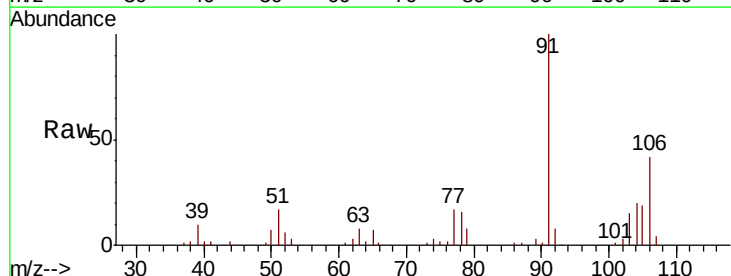
Acq: 13 Jul 2020 14:46

Tgt Ion:106 Resp: 23001

Ion Ratio Lower Upper

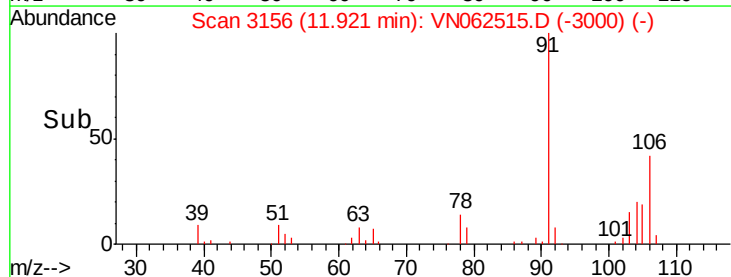
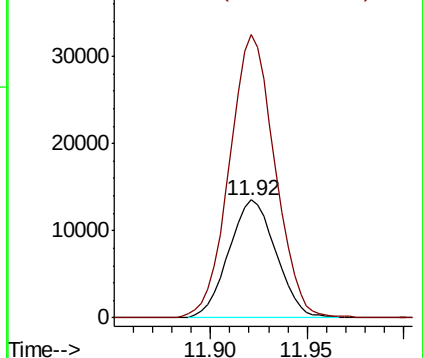
106 100

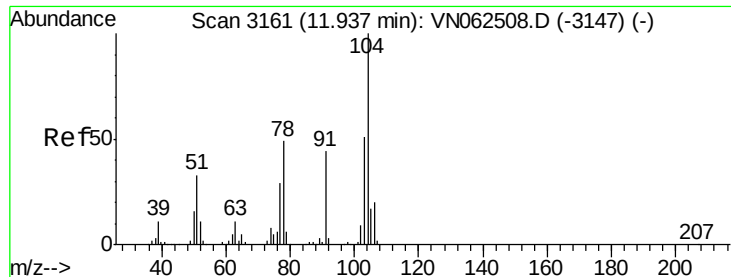
91 231.5 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

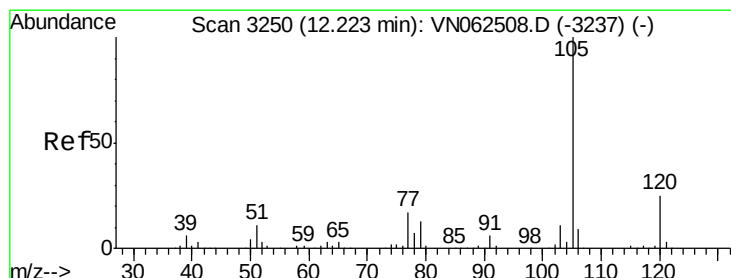
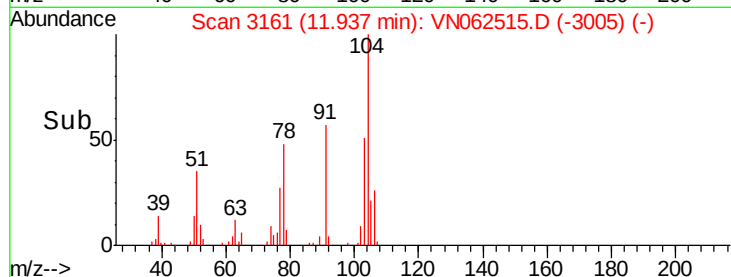
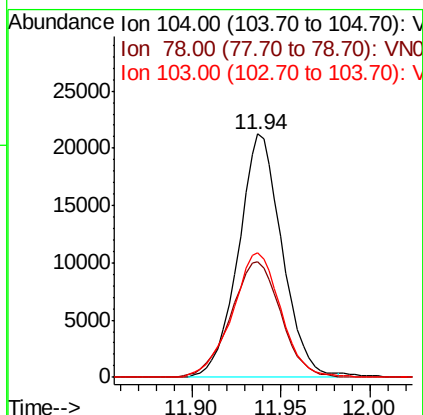
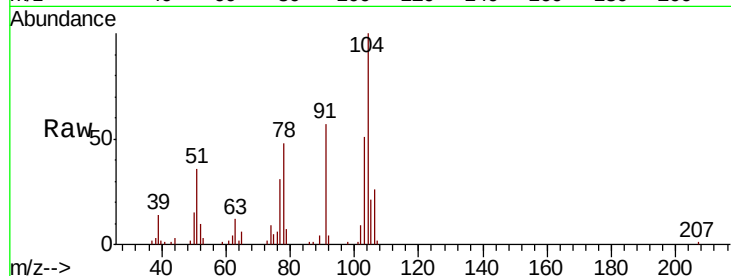




#69
Stvrene
Concen: 4.693 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

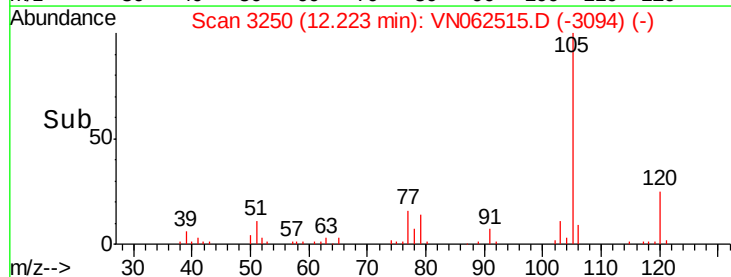
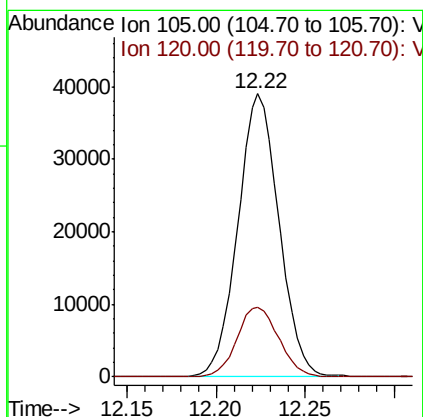
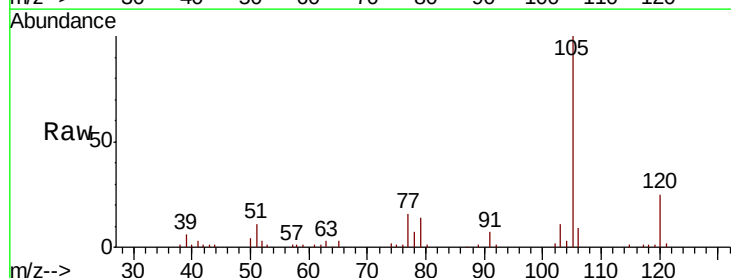
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

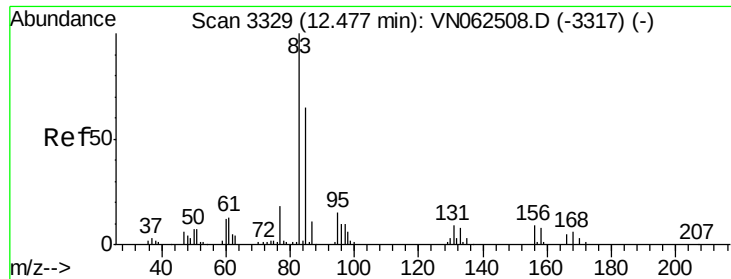
Tot Ion:104 Resp: 36328
Ion Ratio Lower Upper
104 100
78 54.5 43.9 65.9
103 56.9 43.8 65.6



#70
Isopropylbenzene
Concen: 5.145 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion:105 Resp: 62983
Ion Ratio Lower Upper
105 100
120 25.1 17.6 32.8

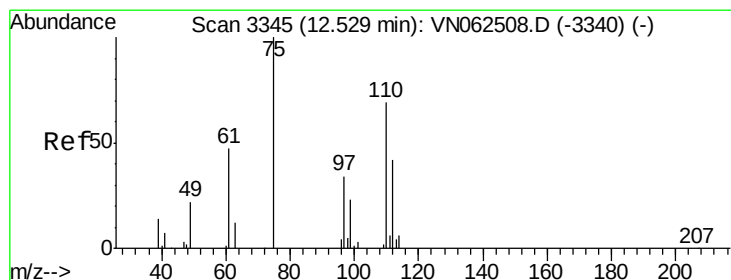
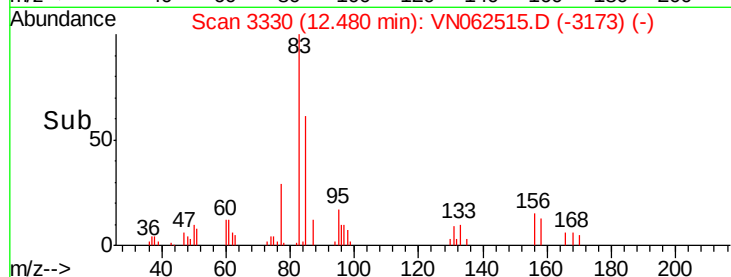
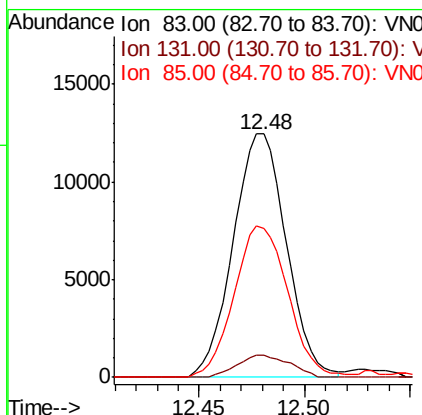
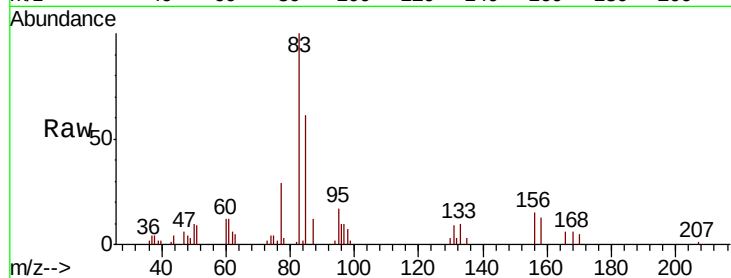




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.516 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

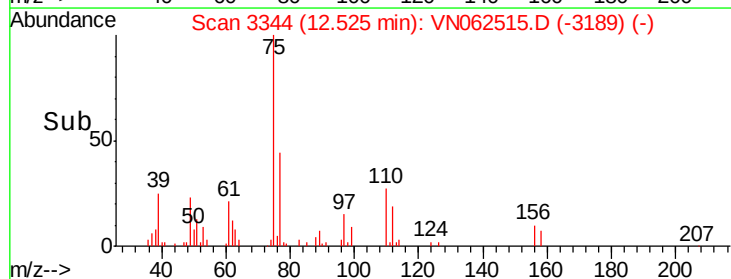
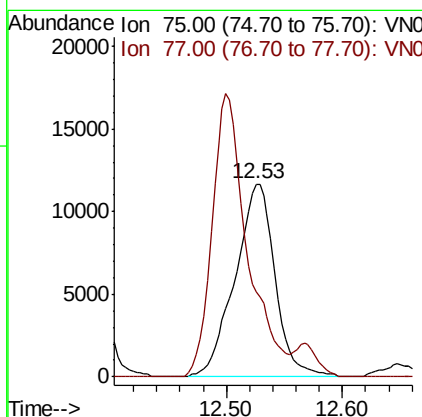
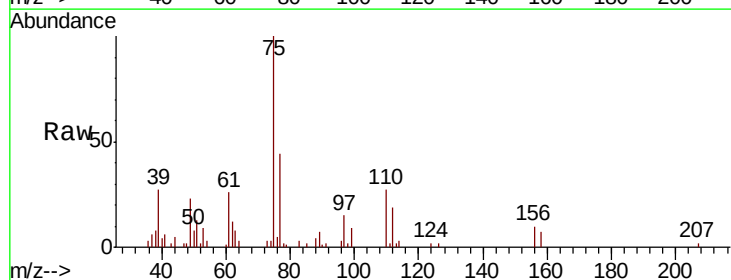
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

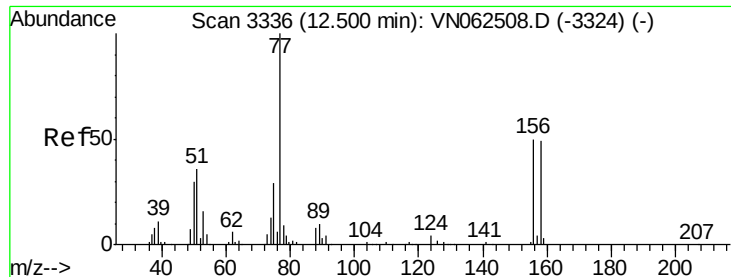
Tot Ion: 83 Resp: 21826
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.7
 85 62.9 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 7.284 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 75 Resp: 28034
 Ion Ratio Lower Upper
 75 100
 77 129.3 0.0 376.2





#73

Bromobenzene

Concen: 5.202 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

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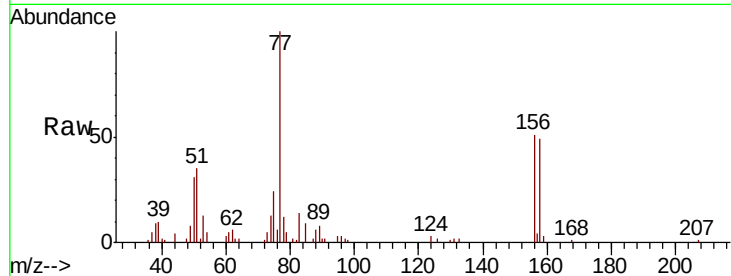
Tot Ion:156 Resp: 14748

Ion Ratio Lower Upper

156 100

77 245.7 0.0 485.0

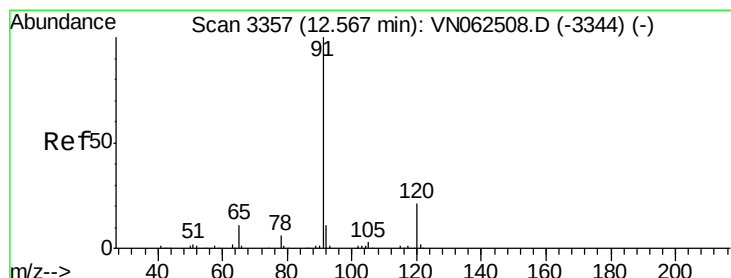
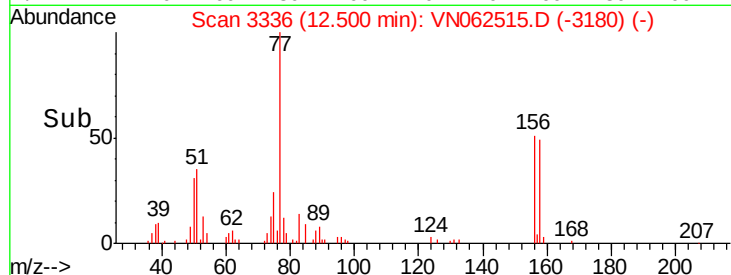
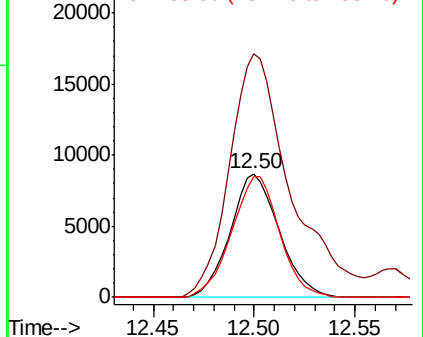
158 95.9 0.0 192.6



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: 4.932 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062515.D

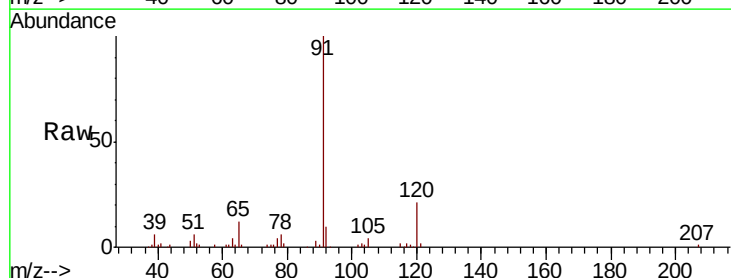
Acq: 13 Jul 2020 14:46

Tgt Ion: 91 Resp: 71772

Ion Ratio Lower Upper

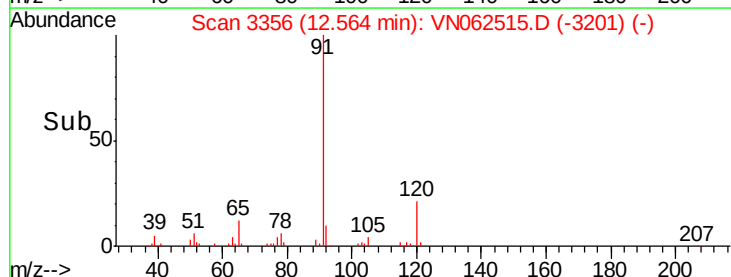
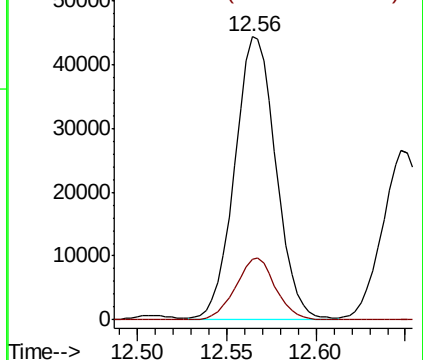
91 100

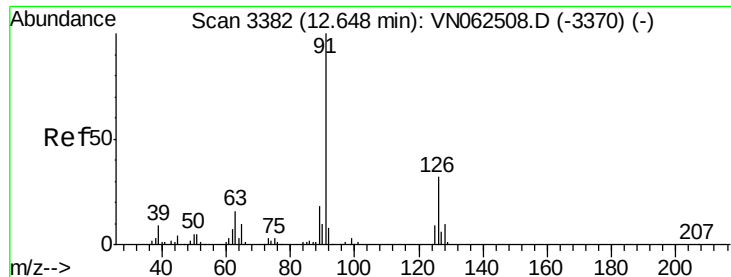
120 21.0 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.099 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

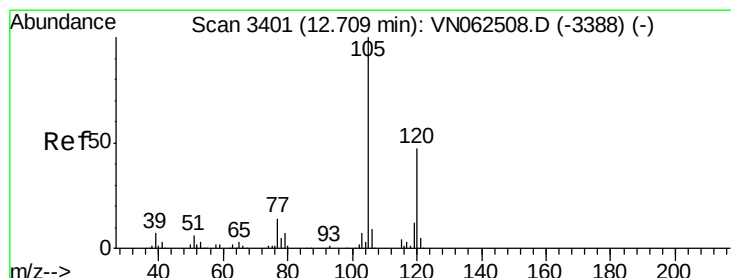
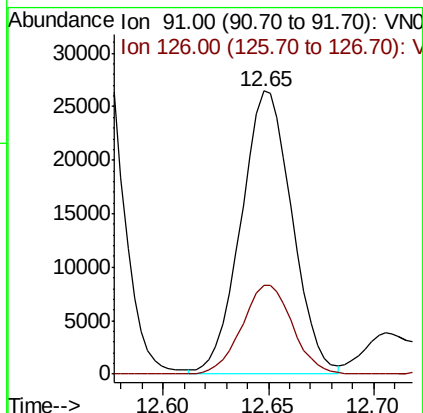
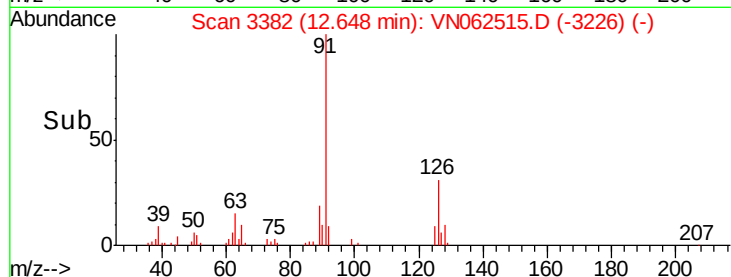
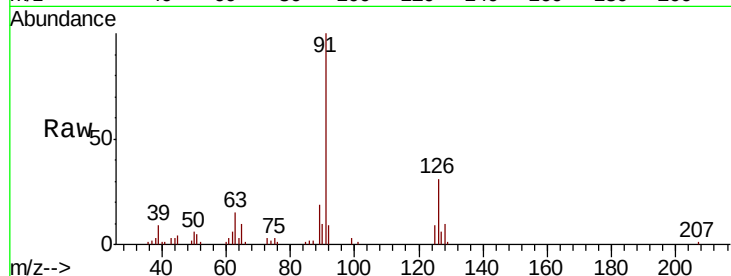
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Tot Ion: 91 Resp: 44674

Ion Ratio Lower Upper

91 100

126 31.0 0.0 62.2



#76

1,3,5-Trimethylbenzene

Concen: 5.005 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062515.D

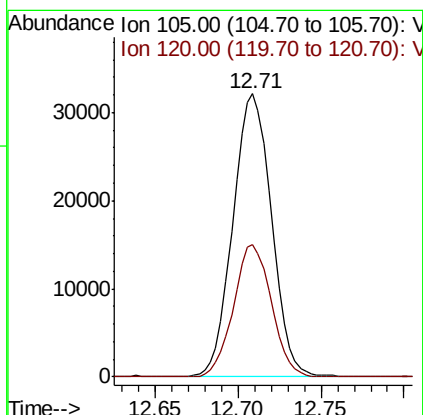
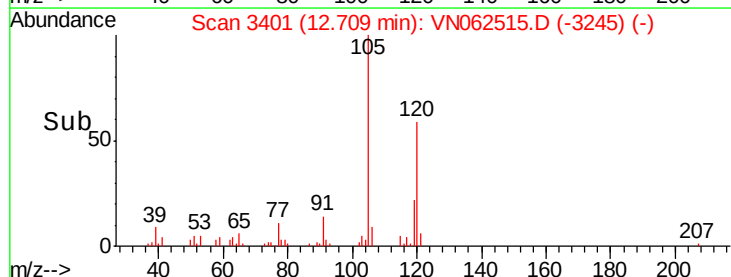
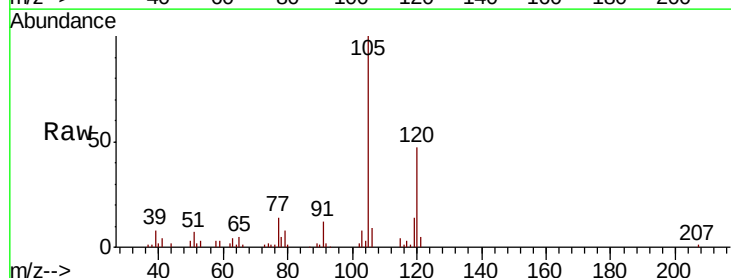
Acq: 13 Jul 2020 14:46

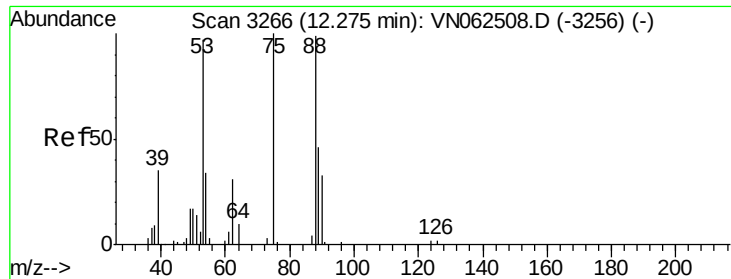
Tgt Ion: 105 Resp: 52213

Ion Ratio Lower Upper

105 100

120 45.7 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.527 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

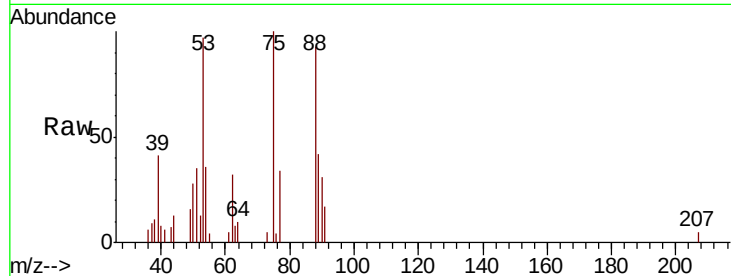
Tot Ion: 75 Resp: 6516

Ion	Ratio	Lower	Upper
75	100		
53	91.9	48.3	144.8
89	41.6	23.3	69.8

75 100

53 91.9 48.3 144.8

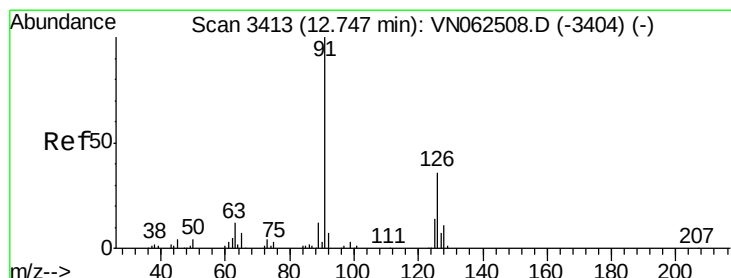
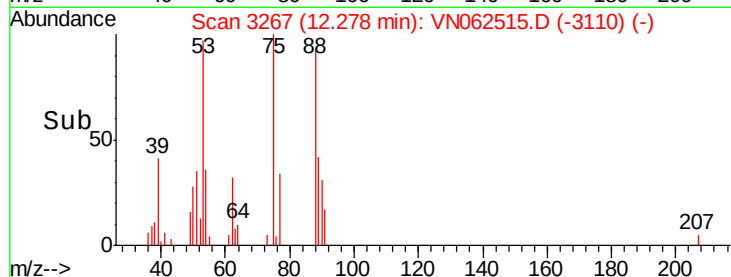
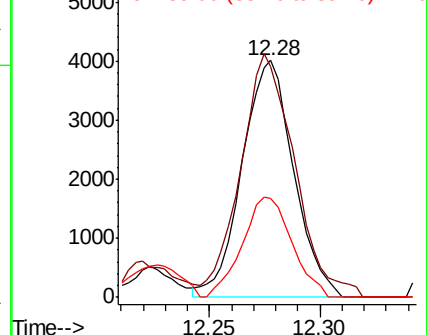
89 41.6 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 4.919 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062515.D

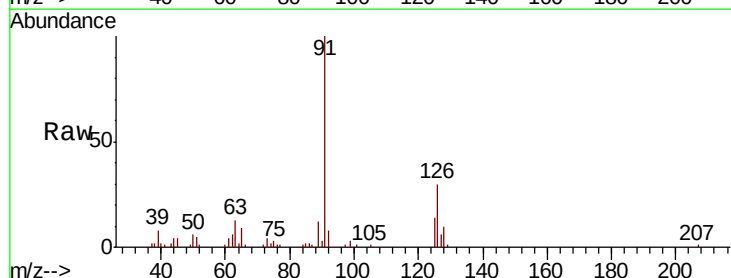
Acq: 13 Jul 2020 14:46

Tgt Ion: 91 Resp: 43981

Ion	Ratio	Lower	Upper
91	100		
126	30.2	0.0	62.2

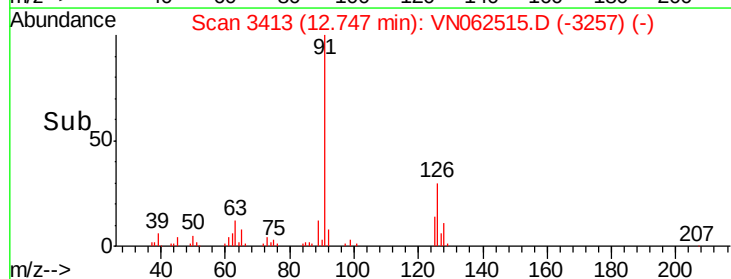
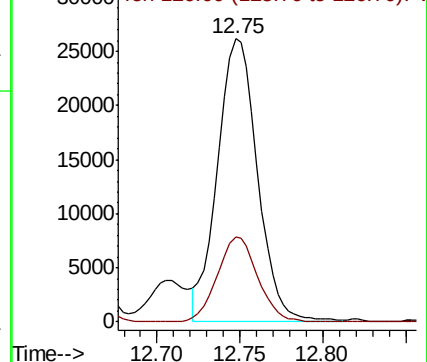
91 100

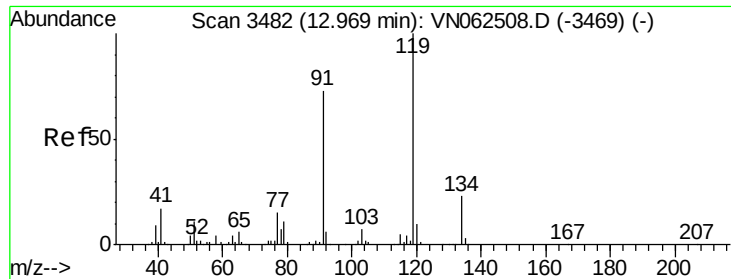
126 30.2 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

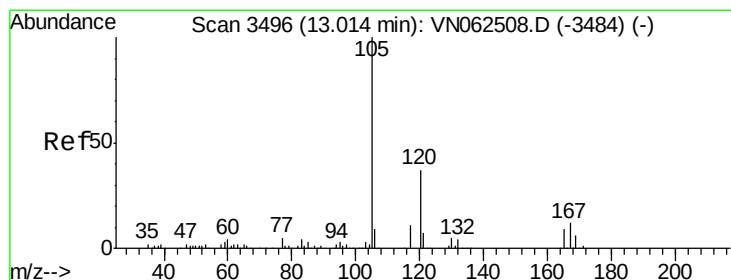
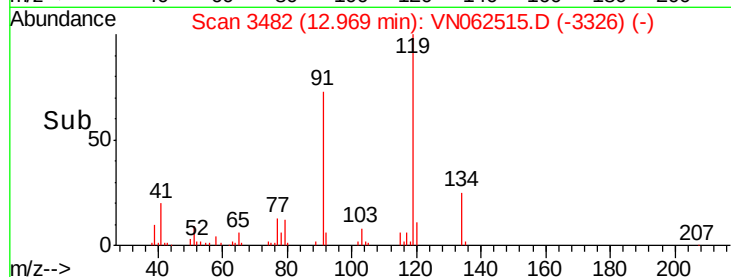
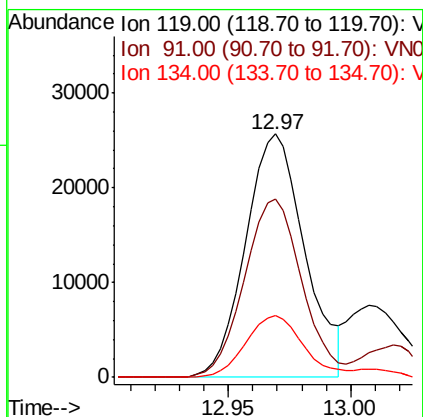
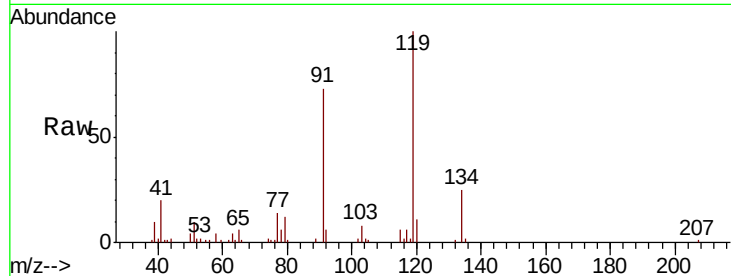




#79
tert-butylbenzene
Concen: 5.016 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

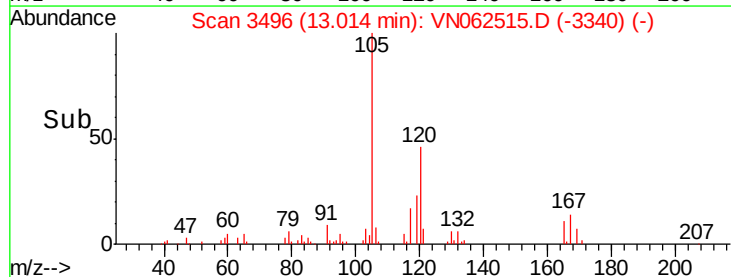
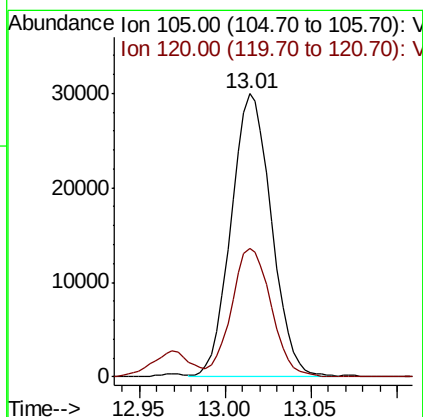
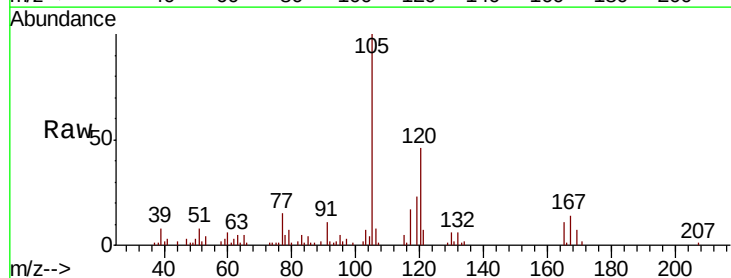
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

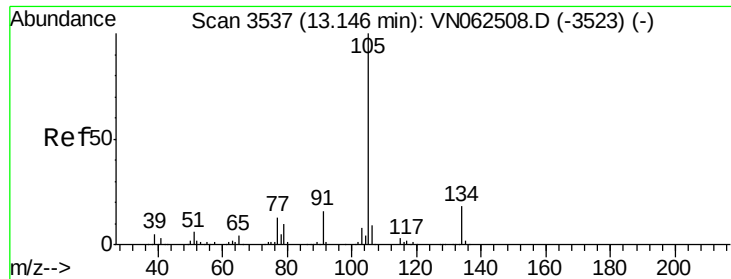
Tot Ion:119 Resp: 43324
Ion Ratio Lower Upper
119 100
91 71.1 0.0 139.8
134 24.4 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 4.785 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion:105 Resp: 49089
Ion Ratio Lower Upper
105 100
120 44.6 0.0 86.6

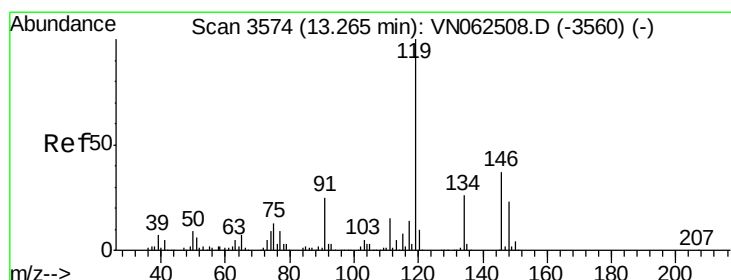
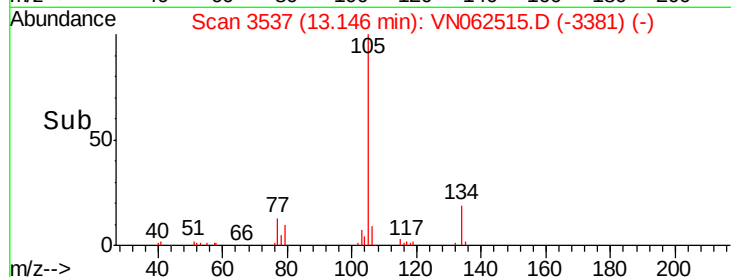
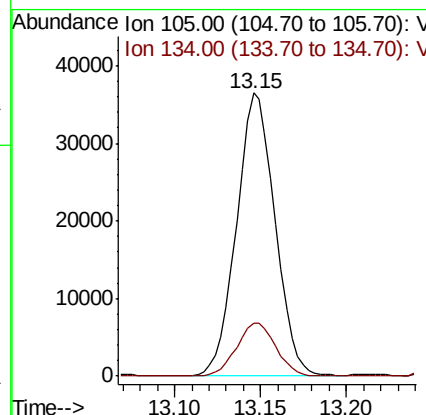
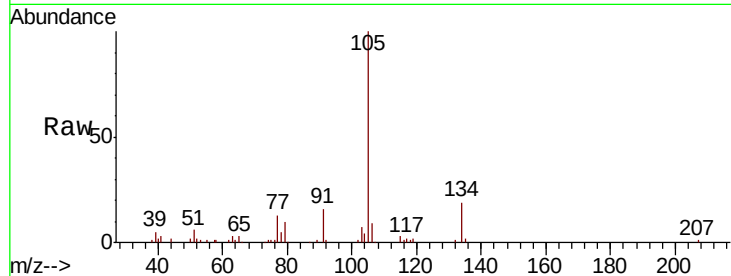




#81
 sec-Butylbenzene
 Concen: 4.883 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

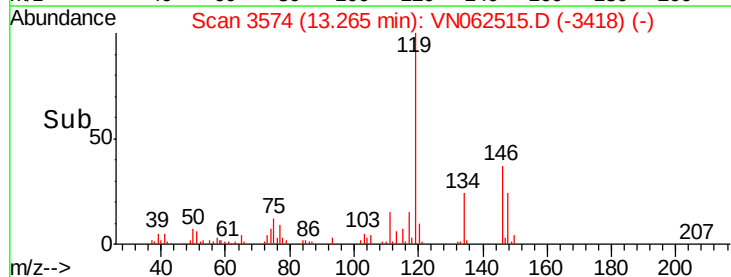
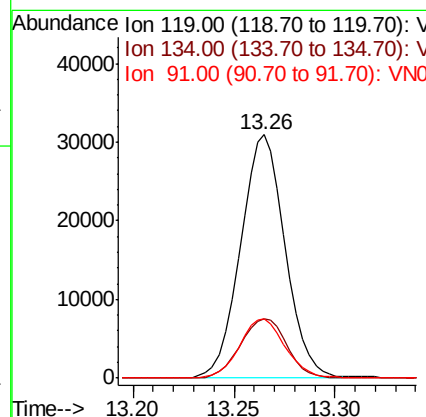
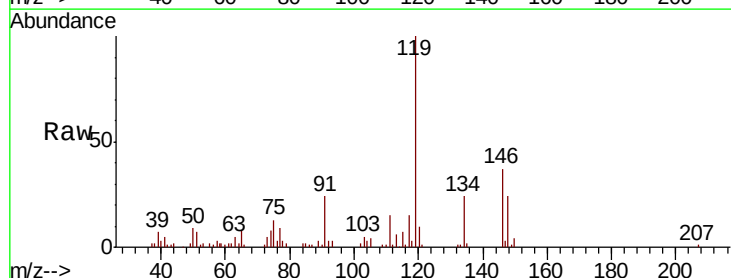
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

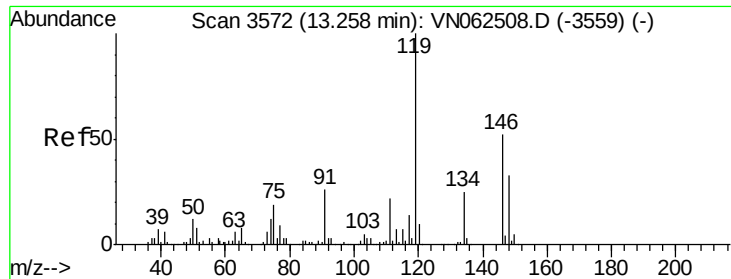
Tot Ion:105 Resp: 56644
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 4.664 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion:119 Resp: 47740
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 50.8
 91 24.9 0.0 51.2

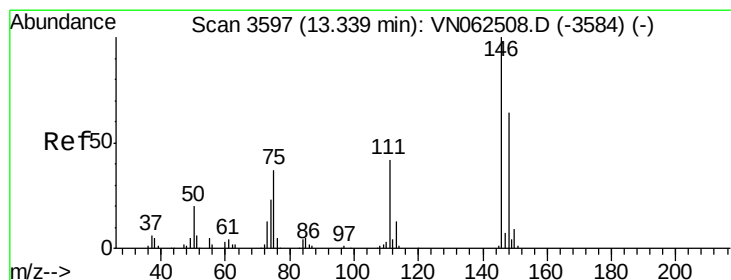
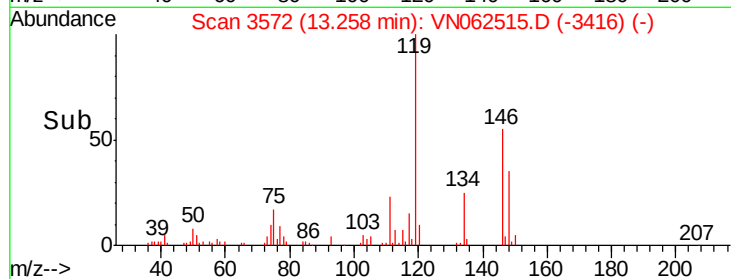
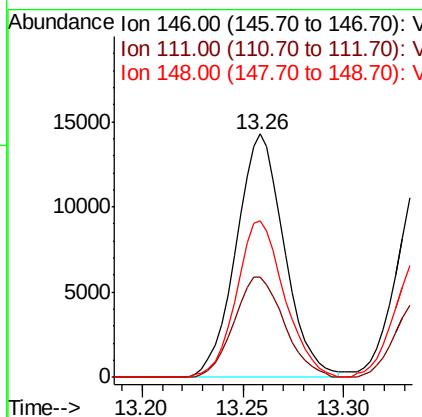
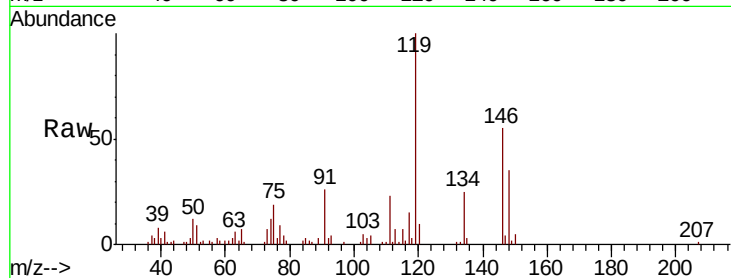




#83
 1,3-Dichlorobenzene
 Concen: 4.836 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

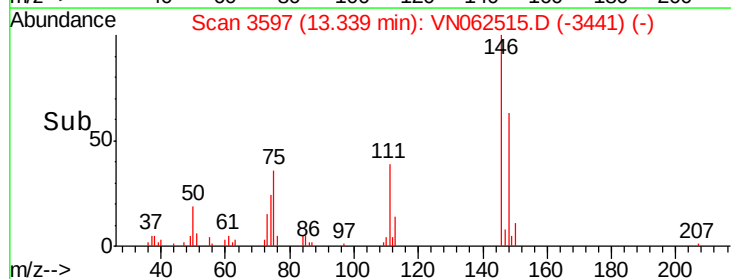
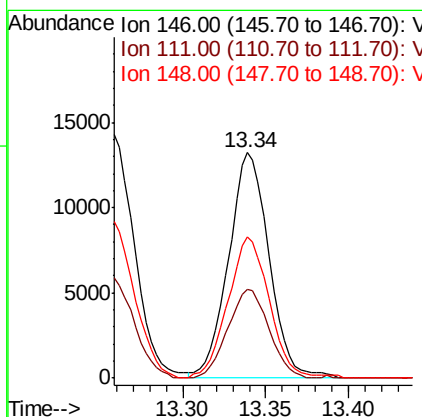
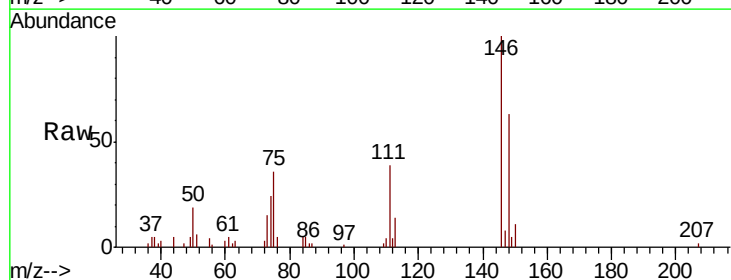
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

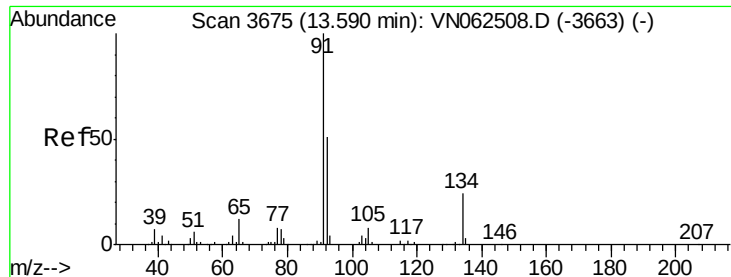
Tot Ion:146 Resp: 23813
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.0 63.0
 148 64.2 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 4.634 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion:146 Resp: 22517
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.4 64.2
 148 63.4 32.4 97.2





#85

n-Butylbenzene

Concen: 4.205 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062515.D

Acq: 13 Jul 2020 14:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

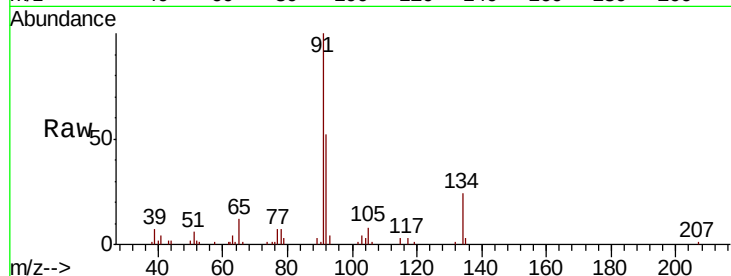
Tot Ion: 91 Resp: 36922

Ion Ratio Lower Upper

91 100

92 51.0 0.0 102.4

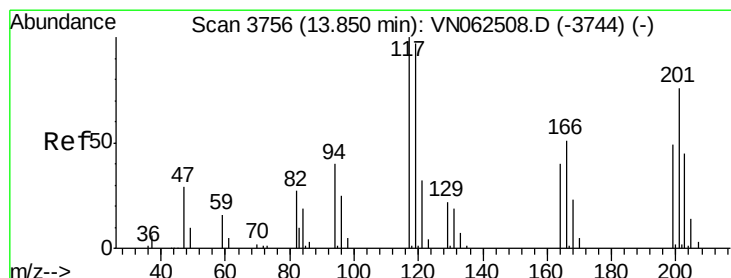
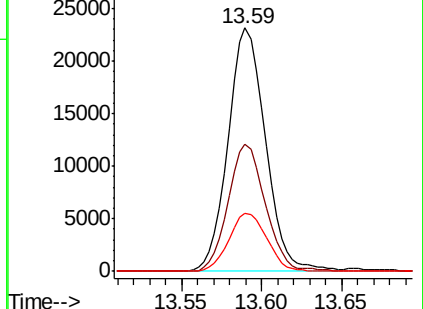
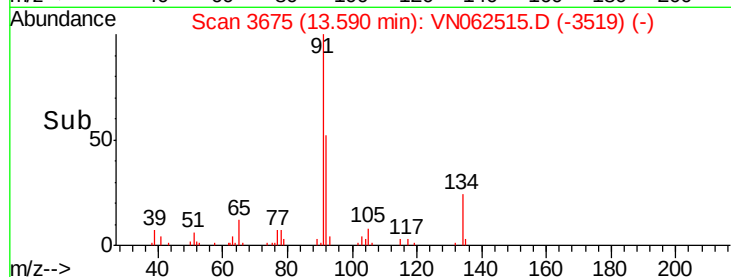
134 24.0 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN062515.D (-3519) (-)

Ion 92.00 (91.70 to 92.70): VN062515.D (-3519) (-)

Ion 134.00 (133.70 to 134.70): VN062515.D (-3519) (-)



#86

Hexachloroethane

Concen: 4.981 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062515.D

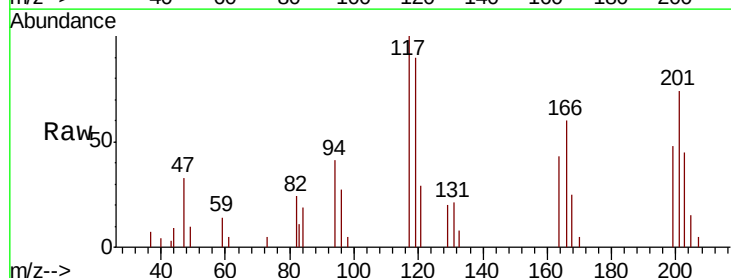
Acq: 13 Jul 2020 14:46

Tgt Ion: 117 Resp: 9838

Ion Ratio Lower Upper

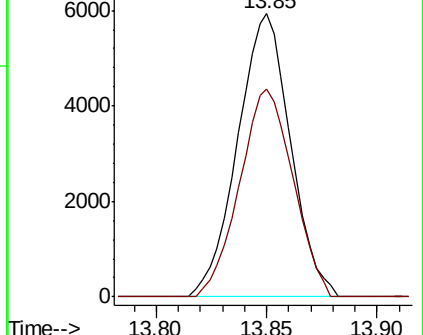
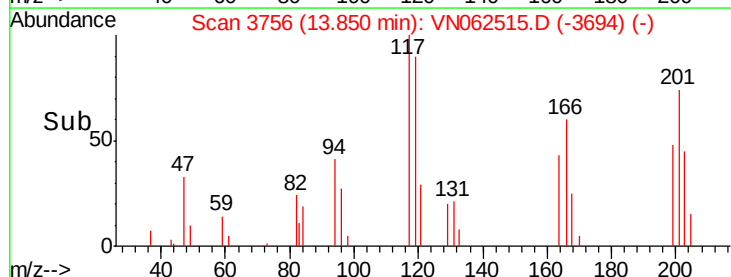
117 100

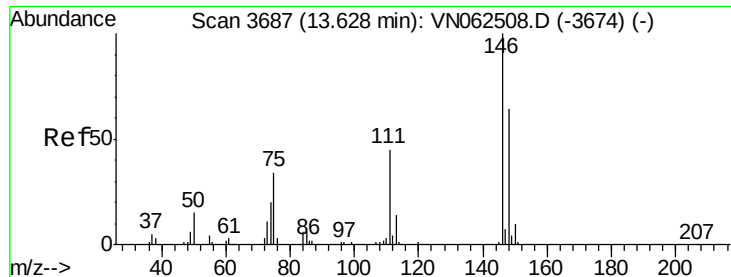
201 74.2 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): VN062515.D (-3694) (-)

Ion 201.00 (200.70 to 201.70): VN062515.D (-3694) (-)

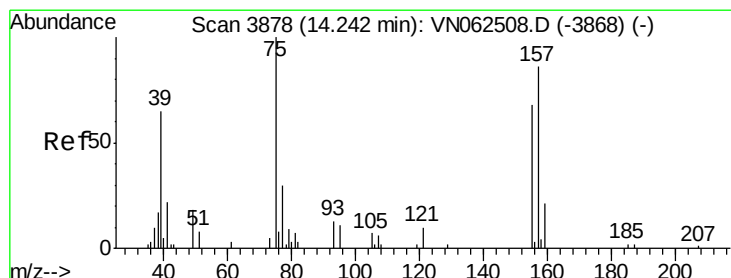
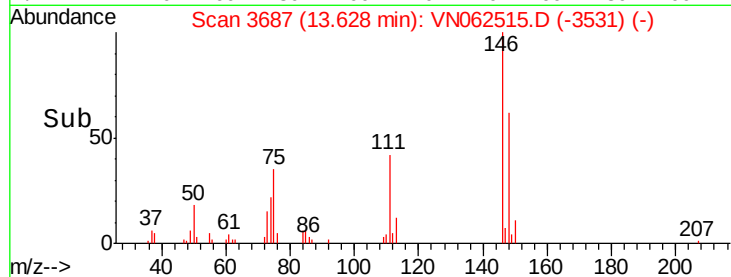
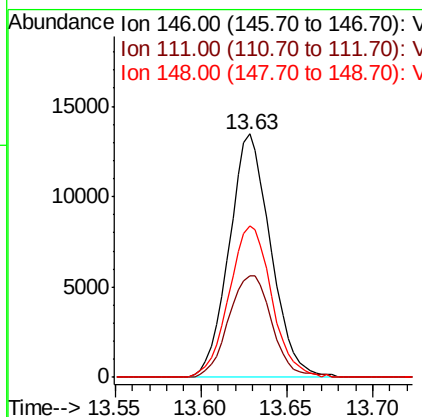
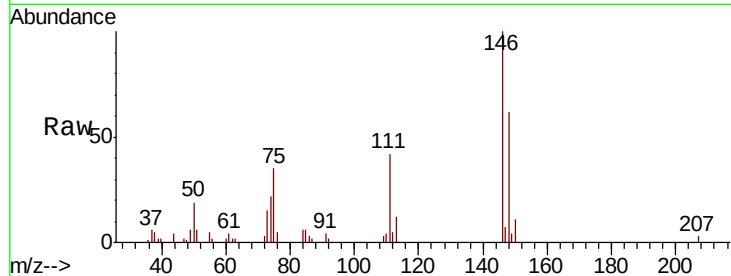




#87
 1,2-Dichlorobenzene
 Concen: 4.778 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

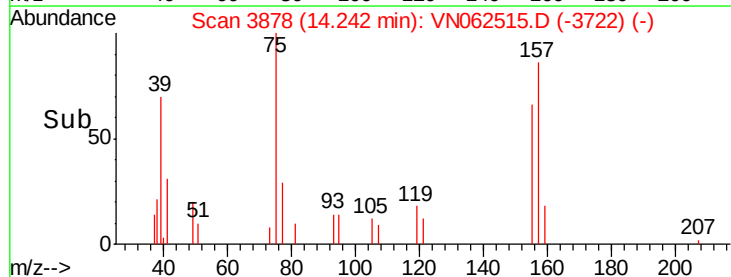
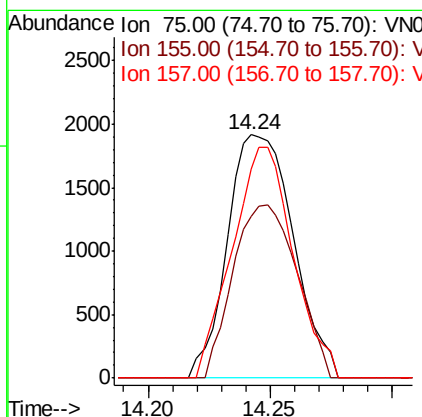
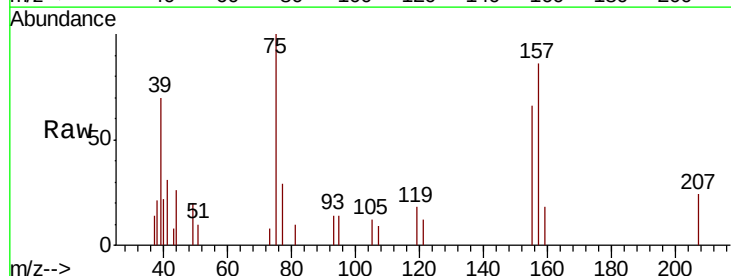
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

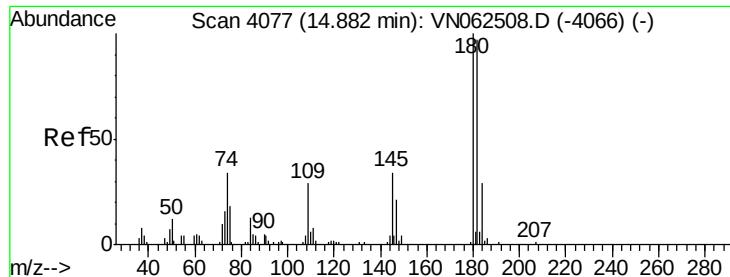
Tot Ion:146 Resp: 22622
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.4 67.0
 148 63.4 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.808 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion: 75 Resp: 3593
 Ion Ratio Lower Upper
 75 100
 155 69.1 55.7 83.5
 157 87.9 71.0 106.6

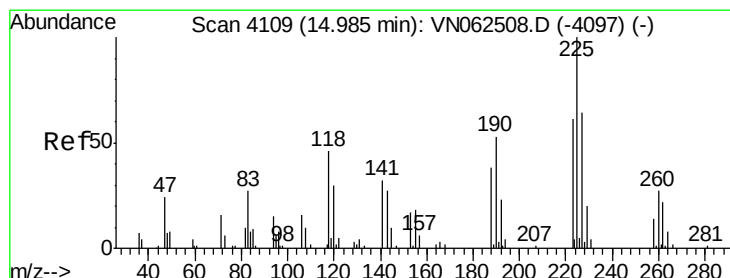
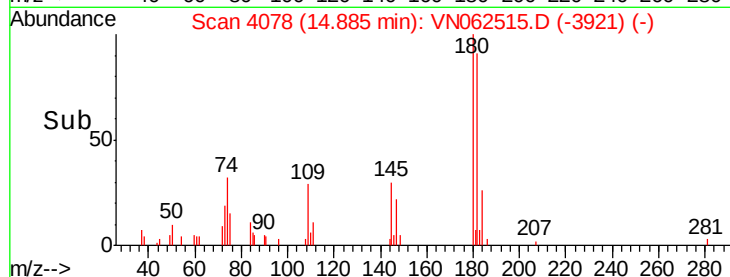
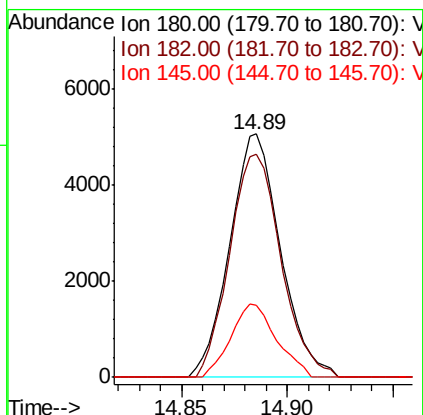
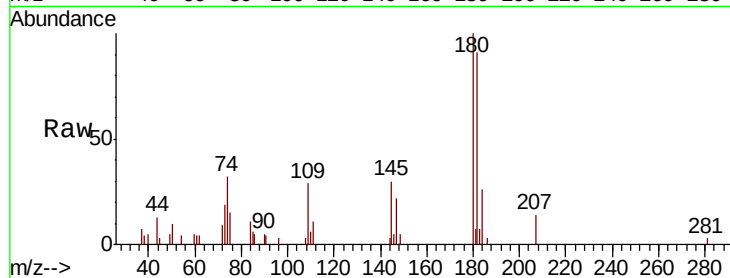




#89
 1,2,4-Trichlorobenzene
 Concen: 3.595 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

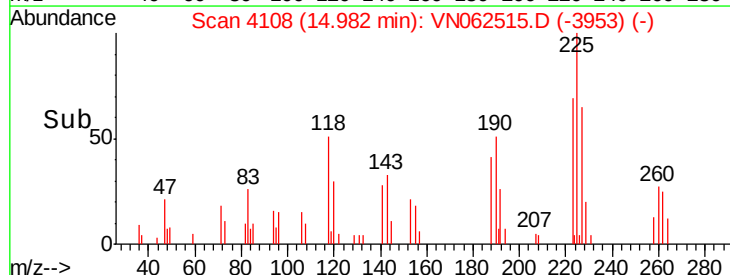
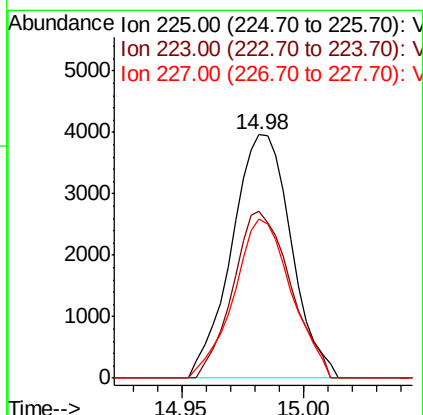
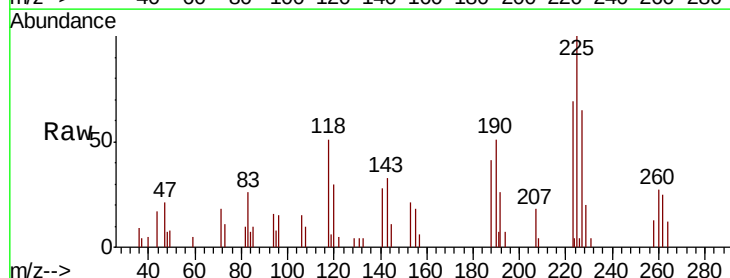
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

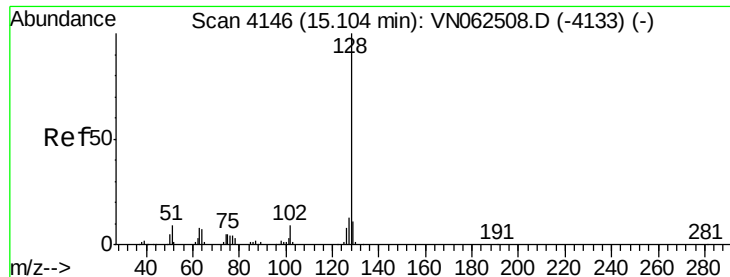
Tot Ion:180 Resp: 8474
 Ion Ratio Lower Upper
 180 100
 182 92.7 77.5 116.3
 145 27.1 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 5.122 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062515.D
 Acq: 13 Jul 2020 14:46

Tgt Ion:225 Resp: 6696
 Ion Ratio Lower Upper
 225 100
 223 66.5 0.0 120.4
 227 63.1 0.0 129.6

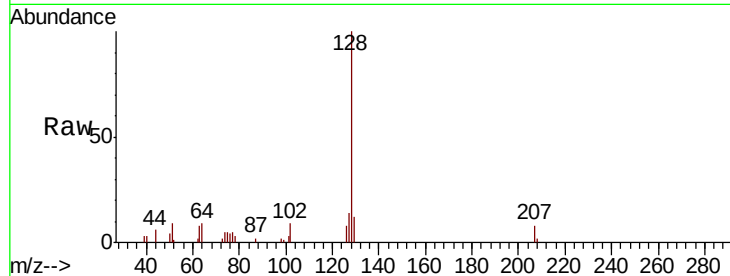




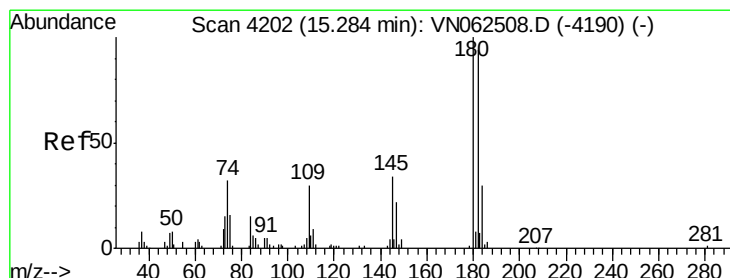
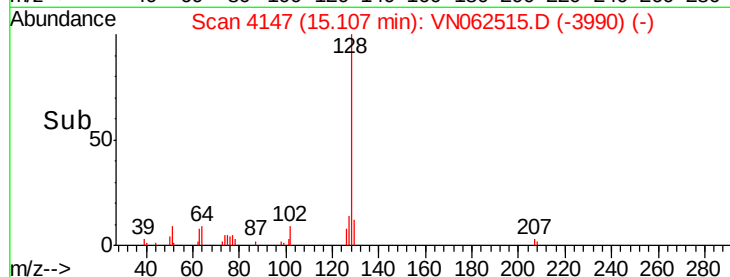
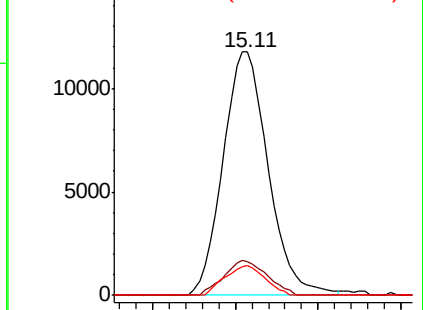
#91
Naphthalene
Concen: 3.482 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion:128 Resp: 22254
Ion Ratio Lower Upper
128 100
127 13.7 10.0 15.0
129 10.9 8.8 13.2

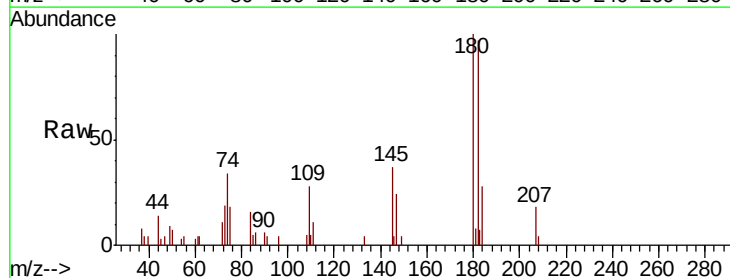


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 3.878 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062515.D
Acq: 13 Jul 2020 14:46

Tgt Ion:180 Resp: 9214
Ion Ratio Lower Upper
180 100
182 95.7 0.0 187.2
145 34.8 0.0 67.8



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

