

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064266.D
 Acq On : 22 Oct 2020 21:39
 Operator : JC/MD
 Sample : L4214-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Quant Time: Oct 23 02:02:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	385519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	216100	57.63	ug/l	0.00
Spiked Amount			Recovery	=	115.26%	
35) Dibromofluoromethane	7.55	113	146749	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.06	98	526115	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.38	95	203409	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	2343	1.533	ug/l	91
3) Chloromethane	2.04	50	2295	0.786	ug/l #	53
4) Vinyl Chloride	2.17	62	2461	0.851	ug/l	96
5) Bromomethane	2.54	94	2034	1.079	ug/l	89
6) Chloroethane	2.68	64	2056	1.167	ug/l	98
7) Trichlorofluoromethane	2.99	101	4331	0.910	ug/l #	75
8) Diethyl Ether	3.37	74	1213	0.771	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2048	0.832	ug/l #	77
10) Methyl Iodide	3.91	142	2544	0.727	ug/l	93
11) Tert butyl alcohol	4.71	59	721	1.436	ug/l #	70
12) 1,1-Dichloroethene	3.70	96	1599	0.676	ug/l #	93
13) Acrolein	3.57	56	547	1.736	ug/l #	13
14) Allyl chloride	4.29	41	4448	0.939	ug/l #	79
15) Acrylonitrile	4.93	53	2396	2.308	ug/l #	64
16) Acetone	3.78	43	5333	4.971	ug/l #	77
17) Carbon Disulfide	4.01	76	5817	0.862	ug/l #	93
18) Methyl Acetate	4.28	43	993	0.363	ug/l #	80
19) Methyl tert-butyl Ether	5.00	73	3819	0.469	ug/l	94
20) Methylene Chloride	4.50	84	2173	0.760	ug/l	87
21) trans-1,2-Dichloroethene	4.98	96	880	0.337	ug/l #	81
22) Diisopropyl ether	5.90	45	7817	0.888	ug/l #	93
23) Vinyl Acetate	5.85	43	33707	4.293	ug/l #	93
24) 1,1-Dichloroethane	5.78	63	1330	0.261	ug/l #	85
25) 2-Butanone	6.79	43	7853	4.607	ug/l #	88
26) 2,2-Dichloropropane	6.78	77	4147	0.817	ug/l #	71
27) cis-1,2-Dichloroethene	6.78	96	3385	1.114	ug/l	79
28) Bromochloromethane	7.15	49	1209	0.499	ug/l #	95
29) Tetrahydrofuran	7.18	42	4893	4.799	ug/l #	47
30) Chloroform	7.32	83	5513	1.013	ug/l	97
31) Cyclohexane	7.63	56	8646	1.945	ug/l #	31
32) 1,1,1-Trichloroethane	7.52	97	2333	0.458	ug/l #	32
36) 1,1-Dichloropropene	7.75	75	4002	0.950	ug/l	97
37) Ethyl Acetate	6.88	43	823	0.215	ug/l #	38
38) Carbon Tetrachloride	7.73	117	4471	0.933	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.04	83	3077	0.803	ug/l #	83
40) Benzene	8.00	78	10245	0.881	ug/l	100
41) Methacrylonitrile	7.11	41	1043	0.520	ug/l #	72
42) 1,2-Dichloroethane	8.08	62	4815	0.966	ug/l	97
43) Isopropyl Acetate	8.13	43	6718	0.942	ug/l #	82
44) Trichloroethene	8.79	130	3150	0.994	ug/l	81
45) 1,2-Dichloropropane	9.08	63	2798	0.901	ug/l #	66
46) Dibromomethane	9.17	93	1965	0.942	ug/l	99
47) Bromodichloromethane	9.37	83	3999	0.868	ug/l #	82
48) Methyl methacrylate	9.16	41	1878	0.504	ug/l #	42
49) 1,4-Dioxane	9.17	88	664	15.237	ug/l #	63
51) 4-Methyl-2-Pentanone	9.95	43	17184	4.510	ug/l	98
52) Toluene	10.13	92	5621	0.755	ug/l	81
53) t-1,3-Dichloropropene	10.35	75	4140	0.809	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	4333	0.804	ug/l	92
55) 1,1,2-Trichloroethane	10.54	97	1399	0.498	ug/l	94
56) Ethyl methacrylate	10.40	69	3915	0.901	ug/l #	94
57) 1,3-Dichloropropane	10.68	76	4668	0.956	ug/l #	72
58) 2-Chloroethyl Vinyl ether	9.67	63	9808	4.382	ug/l	98
59) 2-Hexanone	10.73	43	12601	4.528	ug/l	92
60) Dibromochloromethane	10.87	129	2735	0.752	ug/l	98
61) 1,2-Dibromoethane	10.98	107	2412	0.813	ug/l	95
64) Tetrachloroethene	10.61	164	3006	0.969	ug/l	88
65) Chlorobenzene	11.41	112	6895	0.864	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.48	131	2960	0.934	ug/l #	63
67) Ethyl Benzene	11.48	91	11884	0.810	ug/l	96
68) m/p-Xylenes	11.59	106	9112	1.677	ug/l	97
69) o-Xylene	11.92	106	4229	0.805	ug/l	99
70) Styrene	11.94	104	6531	0.741	ug/l #	87
71) Bromoform	12.10	173	1871	0.765	ug/l #	95
73) Isopropylbenzene	12.22	105	11812	0.940	ug/l	96
74) N-amyl acetate	12.05	43	4340	0.799	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.48	83	2977	0.893	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	5016	1.444	ug/l #	100
77) Bromobenzene	12.50	156	2775	0.935	ug/l	93
78) n-propylbenzene	12.57	91	12324	0.870	ug/l	99
79) 2-Chlorotoluene	12.65	91	8437	0.969	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	9100	0.857	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	112406	81.700	ug/l #	9
82) 4-Chlorotoluene	12.75	91	9048	0.997	ug/l	86
83) tert-Butylbenzene	12.97	119	7737	0.888	ug/l	89
84) 1,2,4-Trimethylbenzene	13.02	105	8519	0.806	ug/l	96
85) sec-Butylbenzene	13.15	105	9432	0.859	ug/l	98
86) p-Isopropyltoluene	13.26	119	7928	0.793	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	5095	0.965	ug/l	94
88) 1,4-Dichlorobenzene	13.33	146	5461	1.011	ug/l	86
89) n-Butylbenzene	13.59	91	6859	0.765	ug/l	93
90) Hexachloroethane	13.84	117	548	0.303	ug/l #	1
91) 1,2-Dichlorobenzene	13.63	146	4673	0.902	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.24	75	688	0.827	ug/l	85

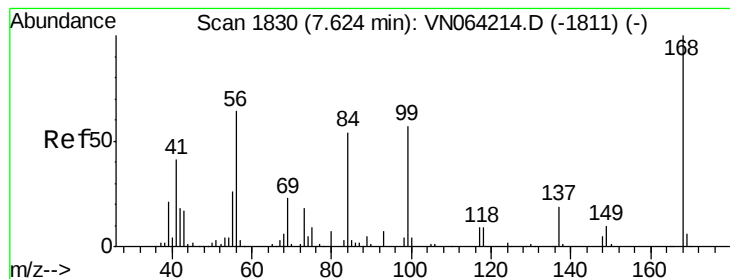
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	2265	0.780	ug/l	90
94) Hexachlorobutadiene	14.99	225	1572	1.003	ug/l	88
95) Naphthalene	15.11	128	6207	0.714	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	2260	0.786	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

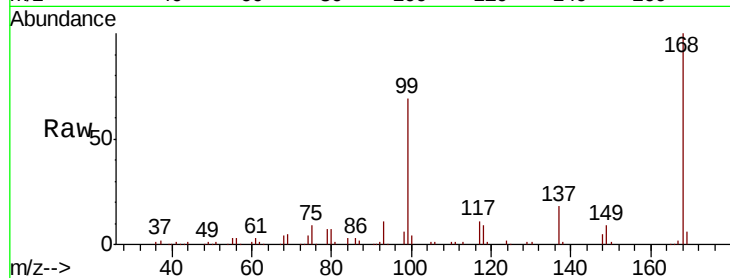
LOQ-WATER-02-QT4-2020

Tot Ion:168 Resp: 252494

Ion Ratio Lower Upper

168 100

99 69.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064214.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064214.D (-1811) (-)

7.63

120000

100000

80000

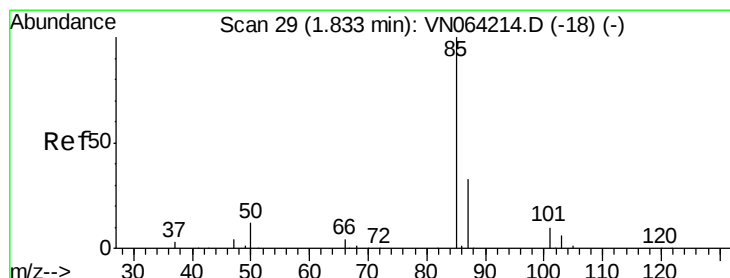
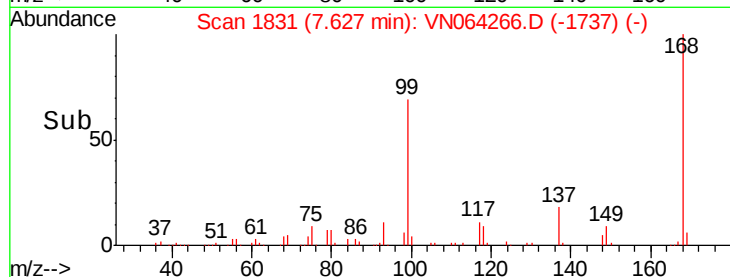
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.533 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064266.D

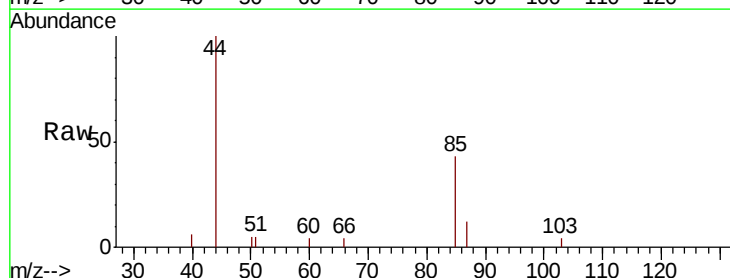
Acq: 22 Oct 2020 21:39

Tgt Ion: 85 Resp: 2343

Ion Ratio Lower Upper

85 100

87 27.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN064214.D (-18) (-)

Ion 86.90 (86.60 to 87.60): VN064214.D (-18) (-)

1.83

2000

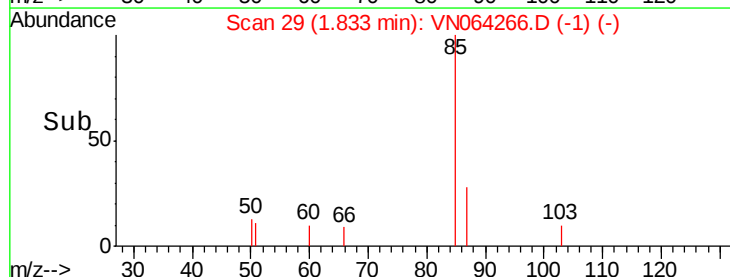
1500

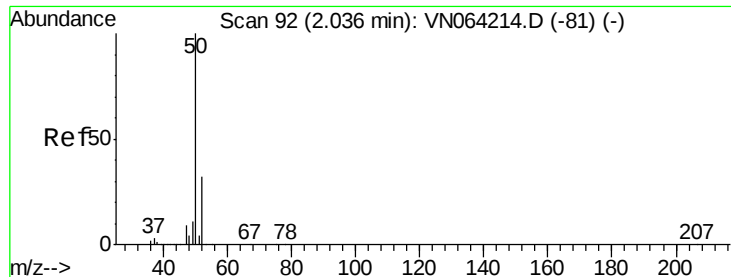
1000

500

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 0.786 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

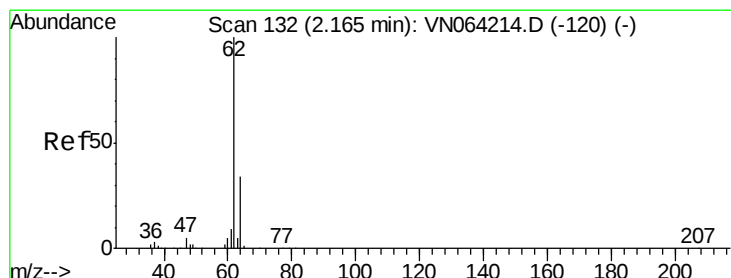
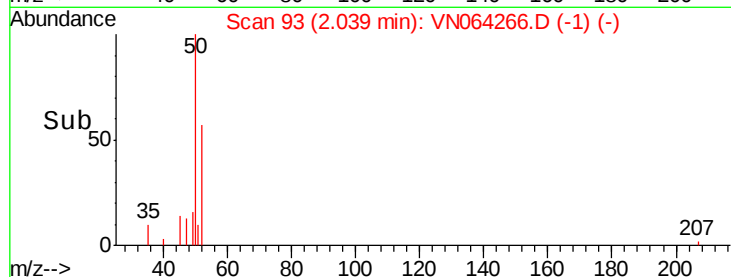
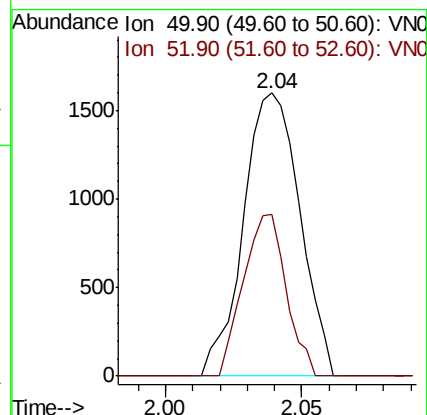
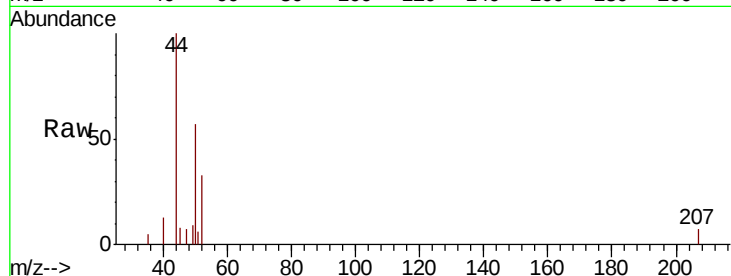
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 2295

Ion Ratio Lower Upper

50 100

52 57.4 25.3 37.9#



#4

Vinyl Chloride

Concen: 0.851 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064266.D

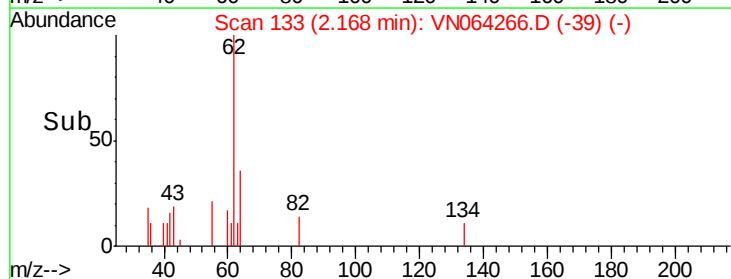
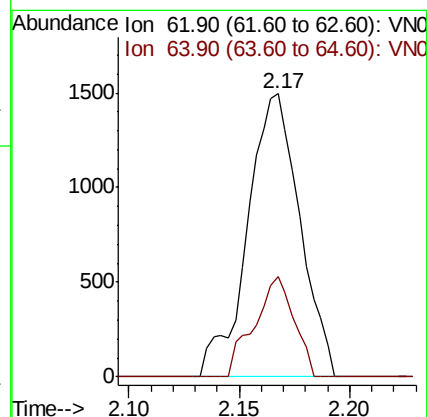
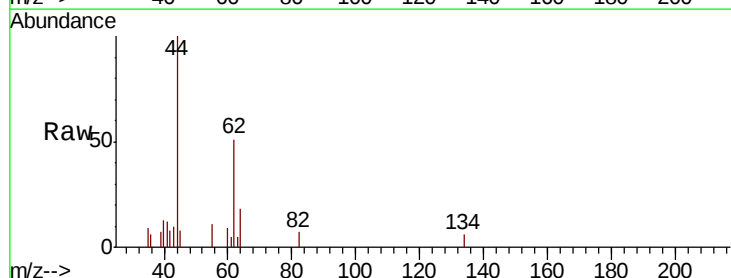
Acq: 22 Oct 2020 21:39

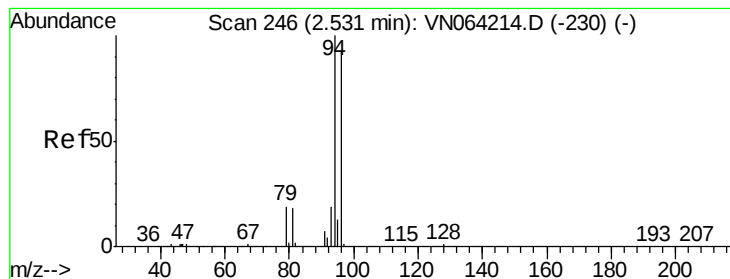
Tgt Ion: 62 Resp: 2461

Ion Ratio Lower Upper

62 100

64 35.7 26.8 40.2





#5

Bromomethane

Concen: 1.079 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

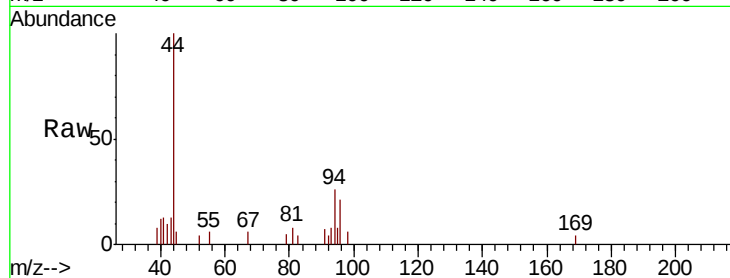
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 2034

Ion Ratio Lower Upper

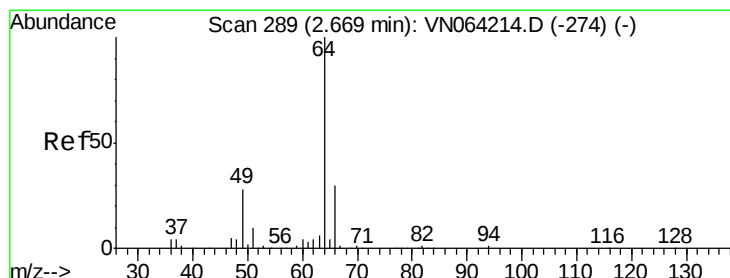
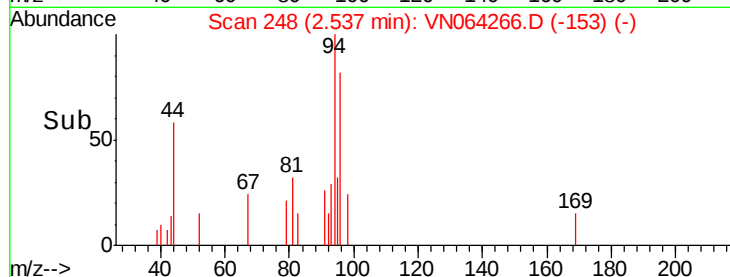
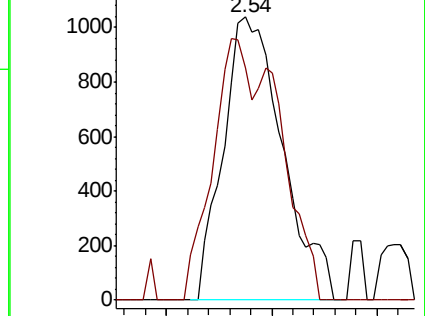
94 100

96 81.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN064214.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064214.D (-230) (-)



#6

Chloroethane

Concen: 1.167 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064266.D

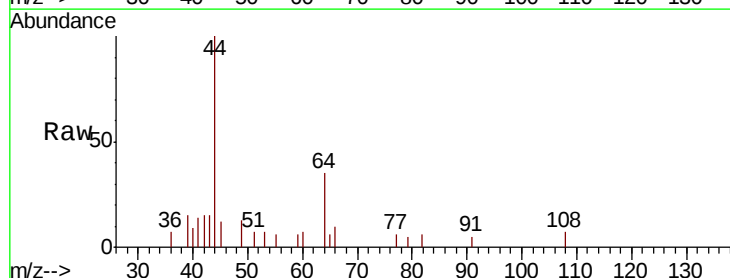
Acq: 22 Oct 2020 21:39

Tgt Ion: 64 Resp: 2056

Ion Ratio Lower Upper

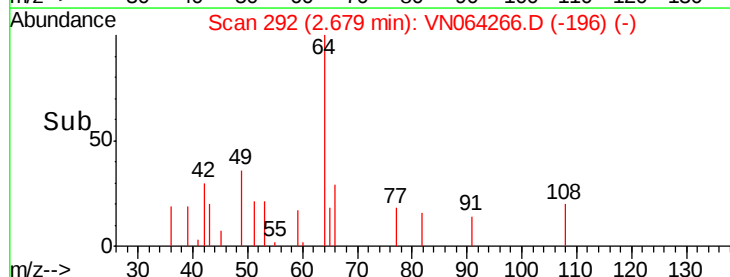
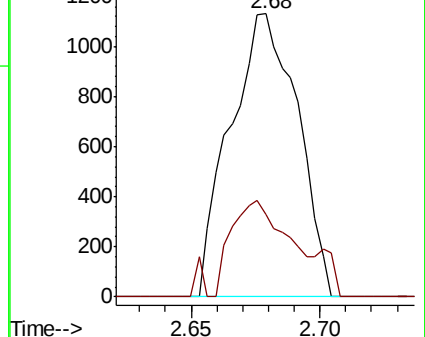
64 100

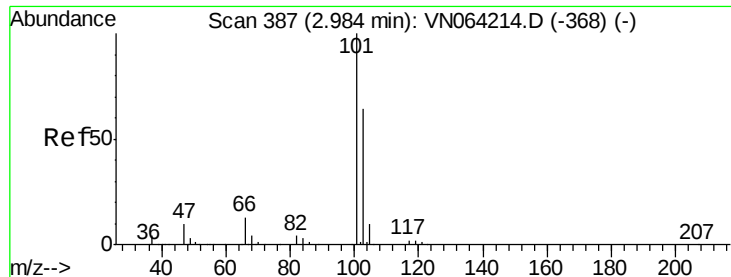
66 29.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN064214.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN064214.D (-274) (-)





#7

Trichlorofluoromethane

Concen: 0.910 ug/l

RT: 2.99 min Scan# 390

Delta R.T. 0.01 min

Lab File: VN064266.D

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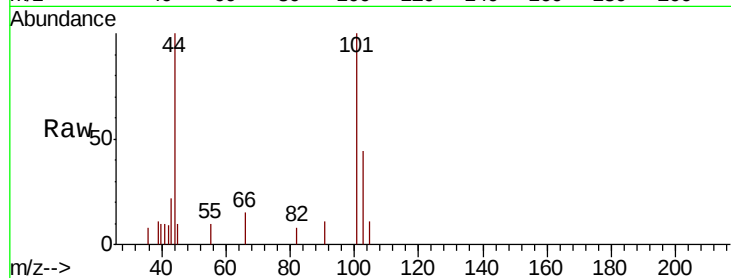
LOQ-WATER-02-QT4-2020

Tot Ion:101 Resp: 4331

Ion Ratio Lower Upper

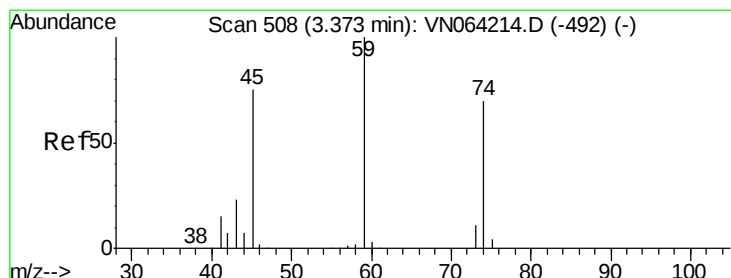
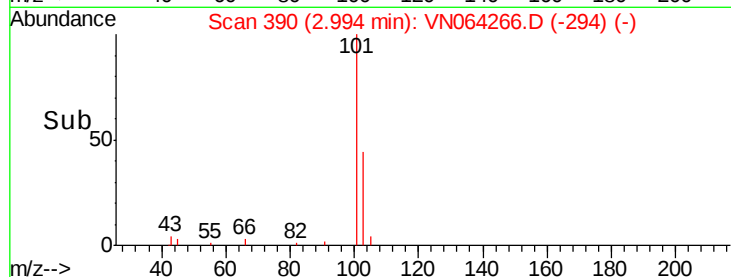
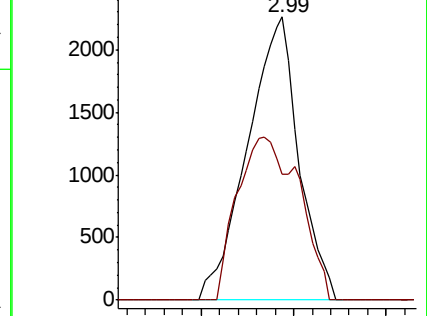
101 100

103 44.3 51.0 76.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.771 ug/l

RT: 3.37 min Scan# 506

Delta R.T. -0.01 min

Lab File: VN064266.D

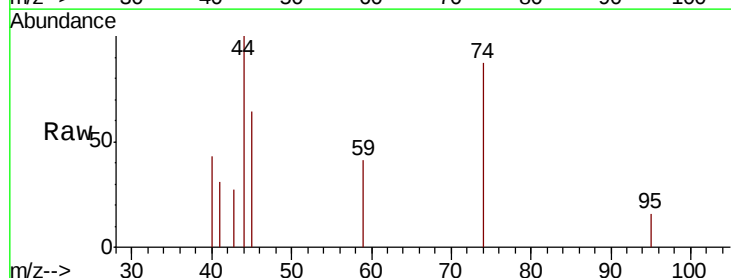
Acq: 22 Oct 2020 21:39

Tgt Ion: 74 Resp: 1213

Ion Ratio Lower Upper

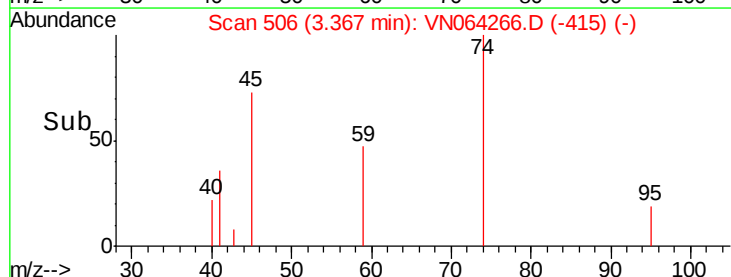
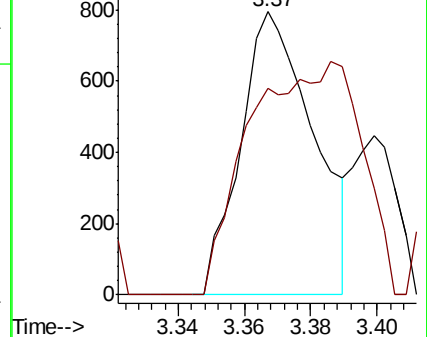
74 100

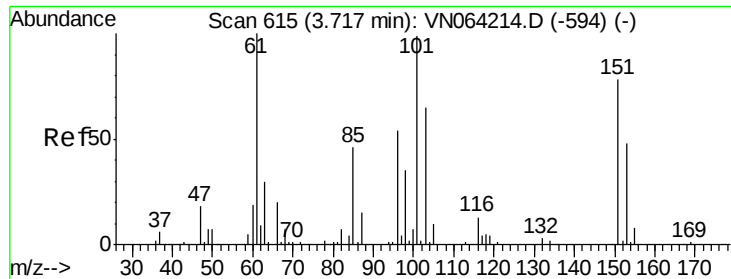
45 0.0 51.3 154.0#



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.832 ug/l

RT: 3.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN064266.D

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LOQ-WATER-02-QT4-2020

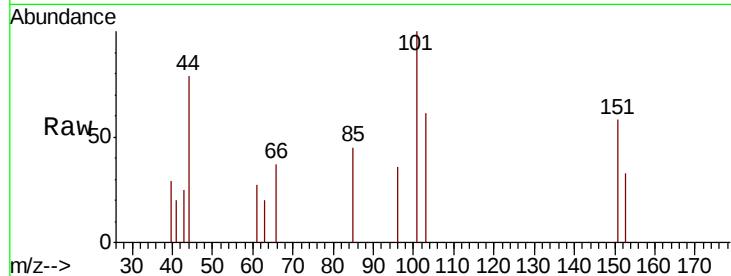
Tot Ion:101 Resp: 2048

Ion Ratio Lower Upper

101 100

85 16.5 37.8 56.8#

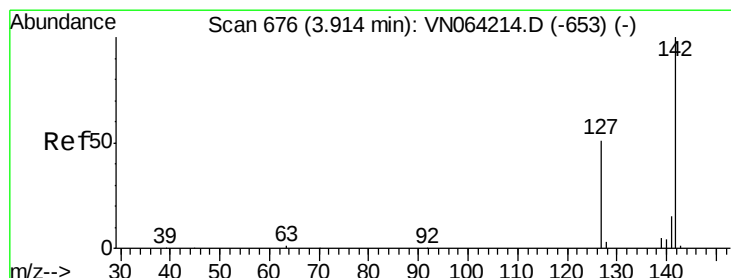
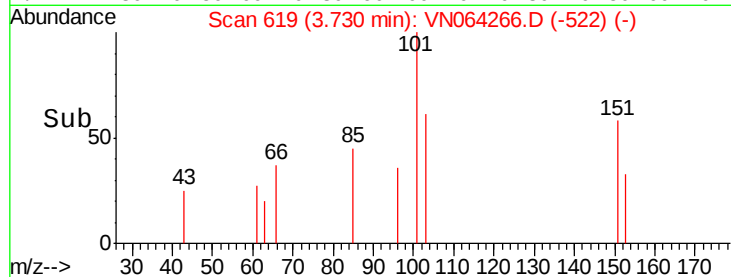
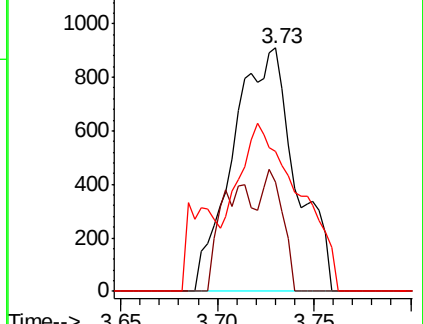
151 69.0 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.727 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

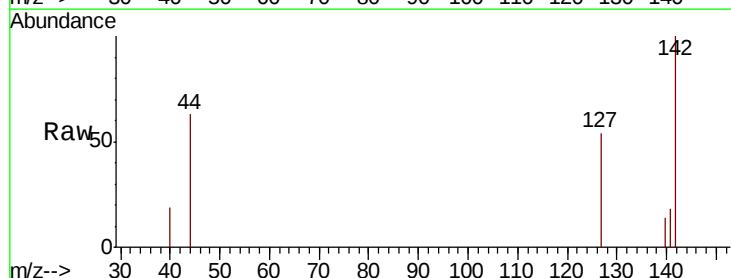
Tgt Ion:142 Resp: 2544

Ion Ratio Lower Upper

142 100

127 57.1 41.0 61.6

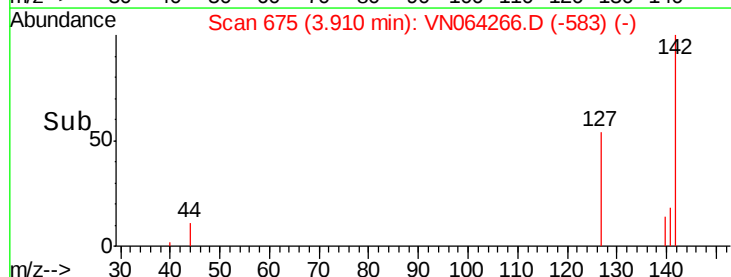
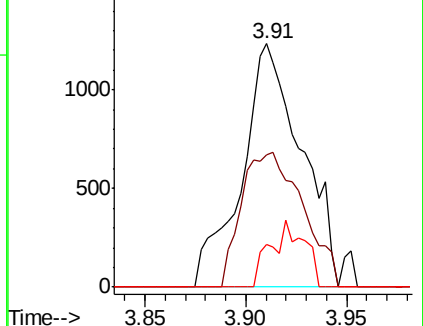
141 15.3 11.3 16.9

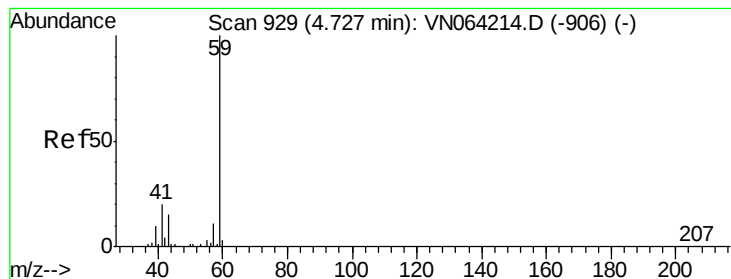


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



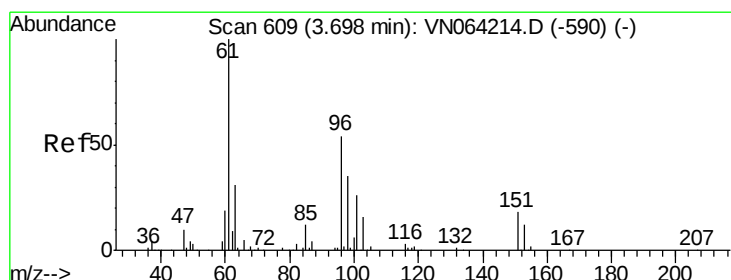
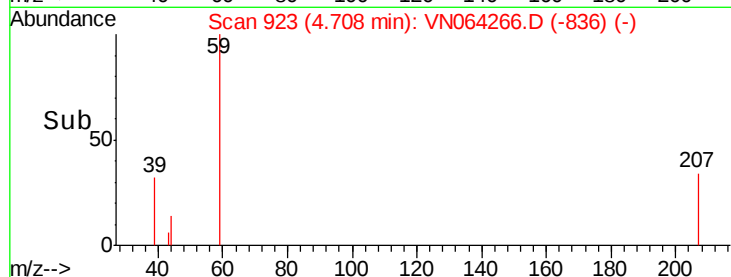
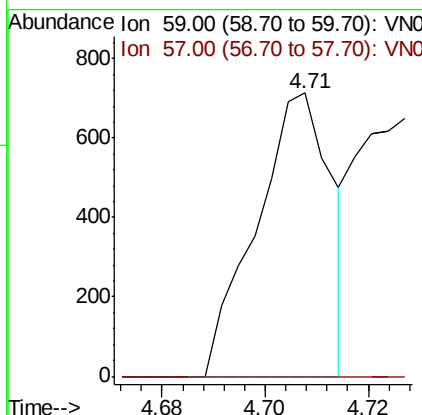
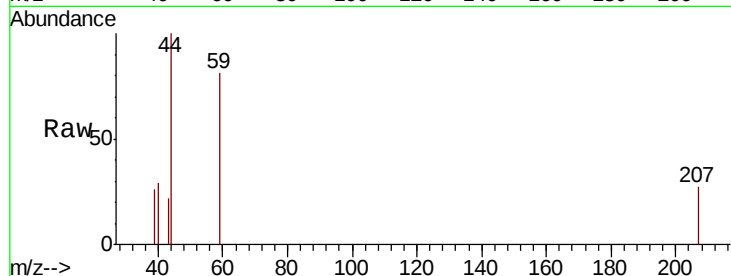


#11

Tert butyl alcohol
 Concen: 1.436 ug/l
 RT: 4.71 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

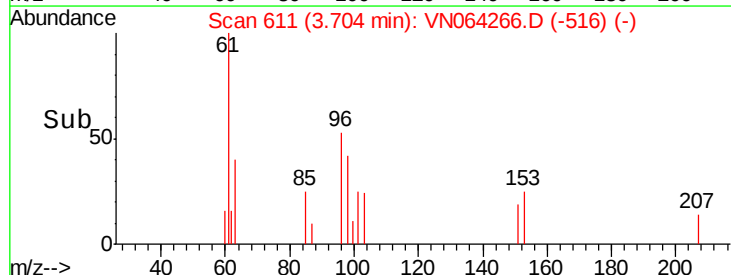
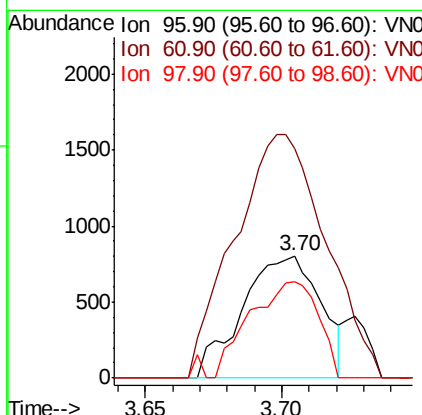
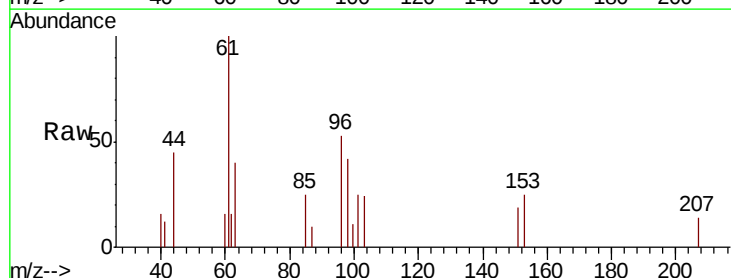
Tot Ion: 59 Resp: 721
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#

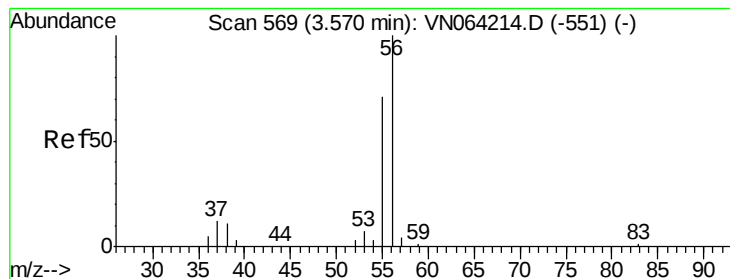


#12

1,1-Dichloroethene
 Concen: 0.676 ug/l
 RT: 3.70 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 96 Resp: 1599
 Ion Ratio Lower Upper
 96 100
 61 188.1 147.0 220.4
 98 79.1 51.7 77.5#





#13

Acrolein

Concen: 1.736 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

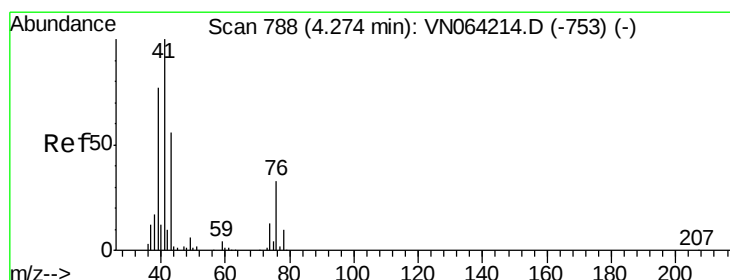
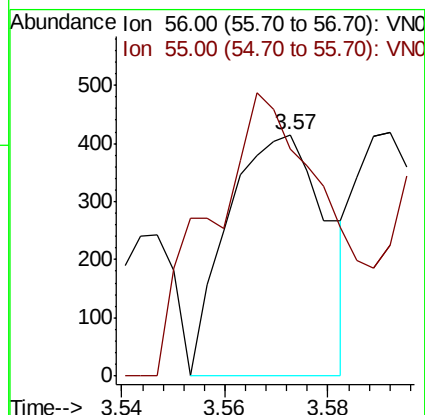
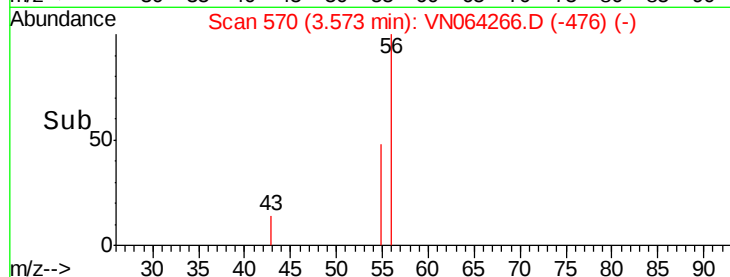
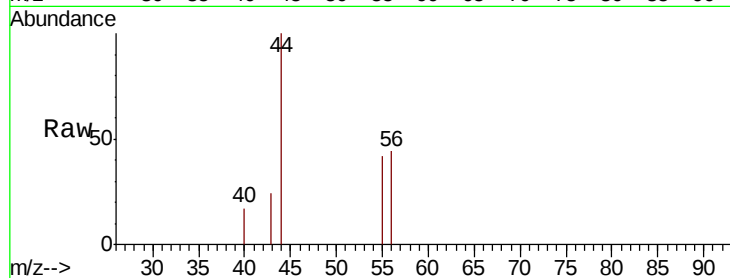
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 547

Ion Ratio Lower Upper

56 100

55 141.7 56.1 84.1#



#14

Allyl chloride

Concen: 0.939 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

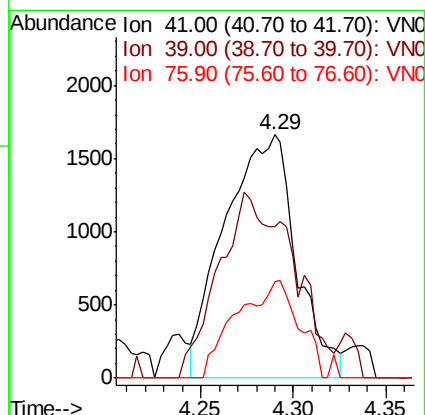
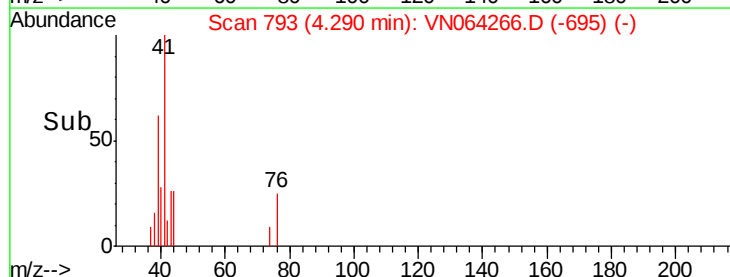
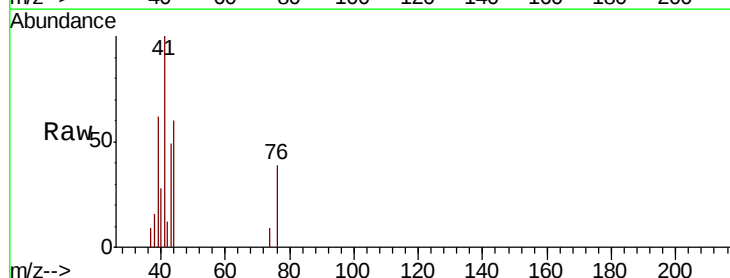
Tgt Ion: 41 Resp: 4448

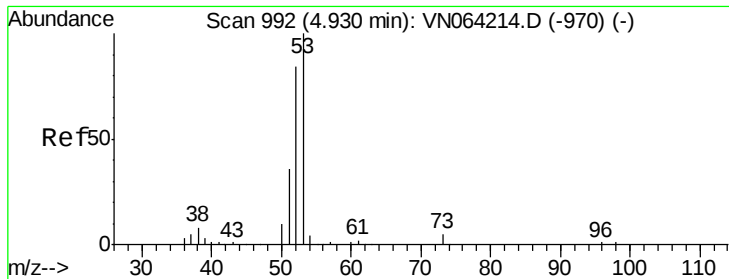
Ion Ratio Lower Upper

41 100

39 50.4 58.6 88.0#

76 34.8 24.5 36.7





#15

Acrylonitrile

Concen: 2.308 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

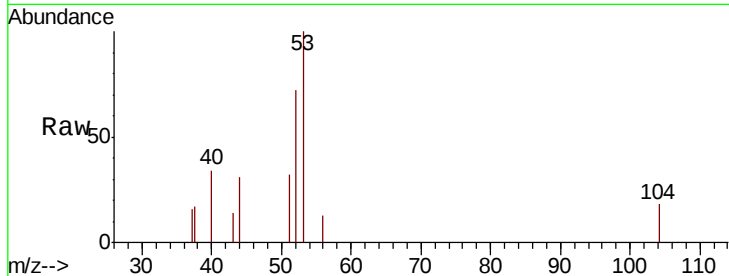
Tot Ion: 53 Resp: 2396

Ion Ratio Lower Upper

53 100

52 47.4 66.8 100.2#

51 22.5 30.7 46.1#

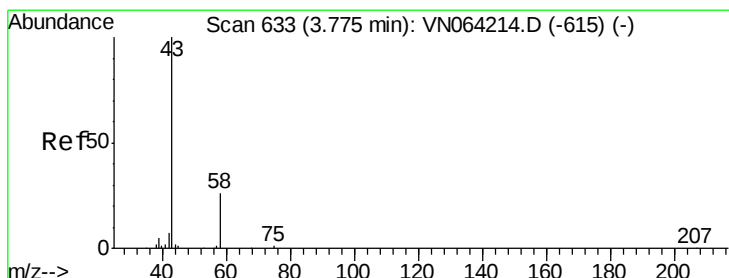
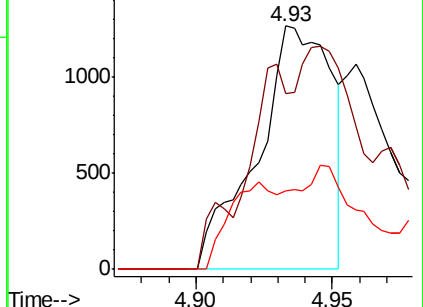
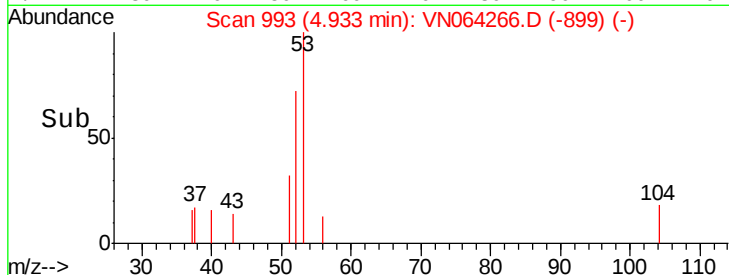


Abundance Ion 53.00 (52.70 to 53.70): VN064266.D (-999) (-)

Ion 52.00 (51.70 to 52.70): VN064266.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VN064266.D (-999) (-)

Time-->



#16

Acetone

Concen: 4.971 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064266.D

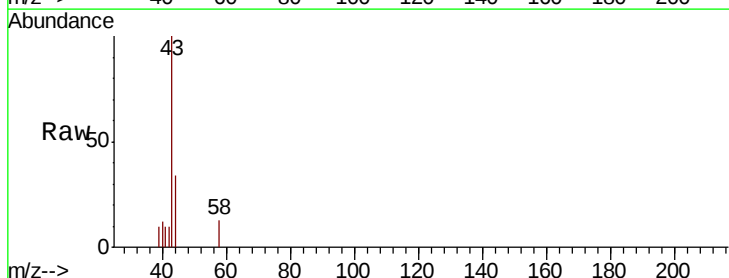
Acq: 22 Oct 2020 21:39

Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

43 100

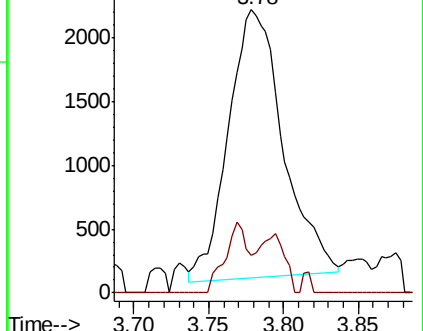
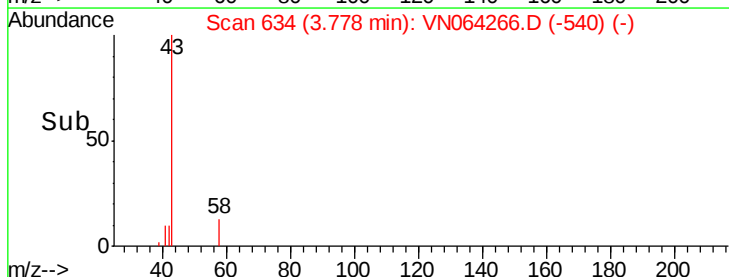
58 14.3 21.0 31.4#

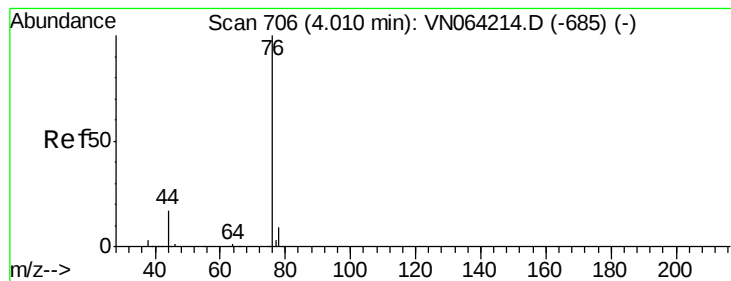


Abundance Ion 43.00 (42.70 to 43.70): VN064266.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064266.D (-540) (-)

Time-->





#17

Carbon Disulfide

Concen: 0.862 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

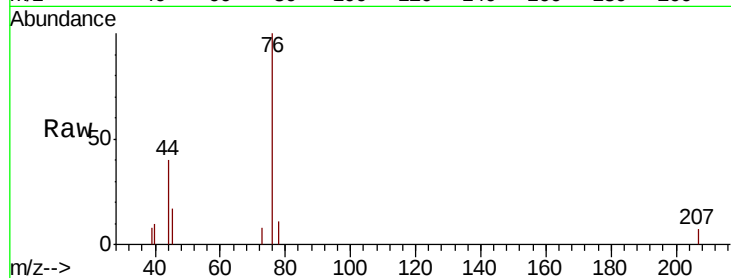
LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 5817

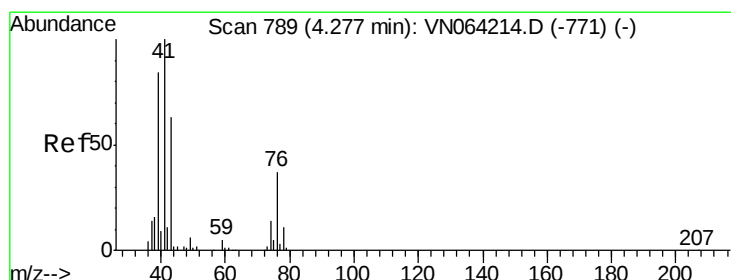
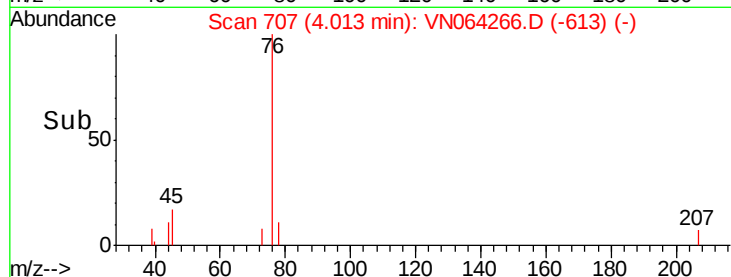
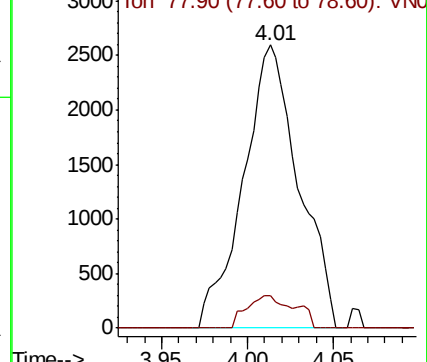
Ion Ratio Lower Upper

76 100

78 11.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN064214.D (-685) (-)



#18

Methyl Acetate

Concen: 0.363 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064266.D

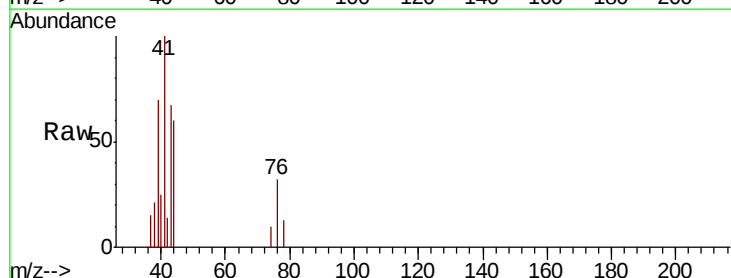
Acq: 22 Oct 2020 21:39

Tgt Ion: 43 Resp: 993

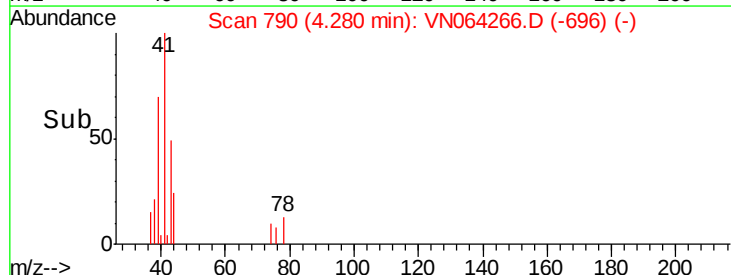
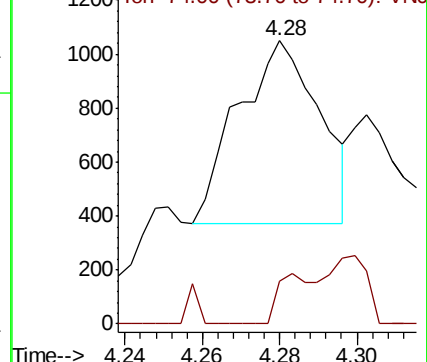
Ion Ratio Lower Upper

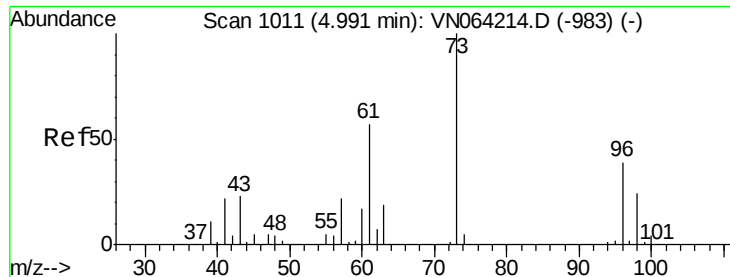
43 100

74 12.7 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-771) (-)

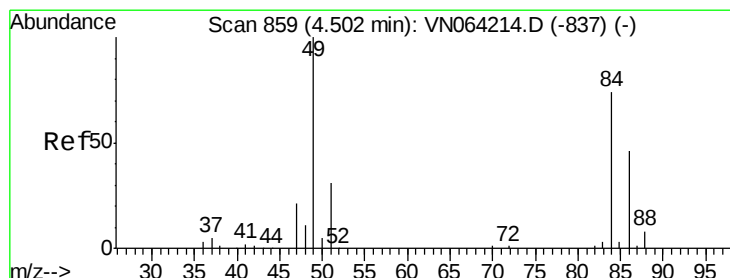
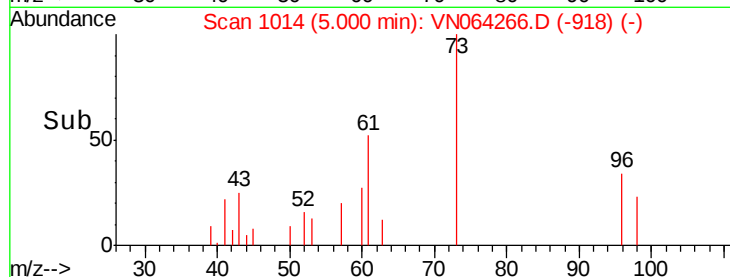
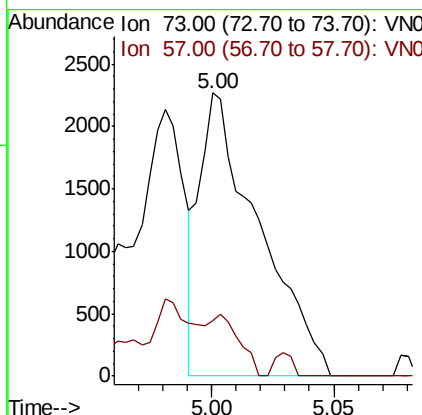
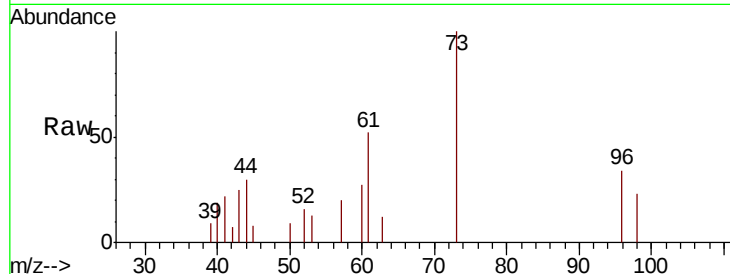




#19
Methvl tert-butvl Ether
Concen: 0.469 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

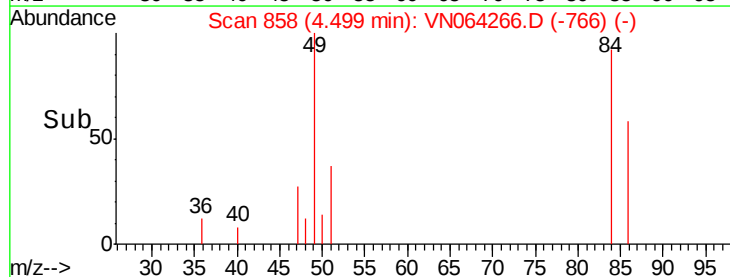
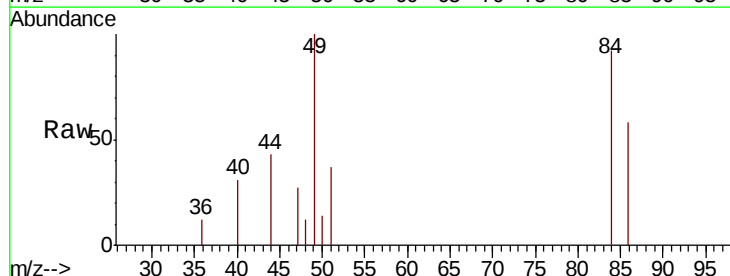
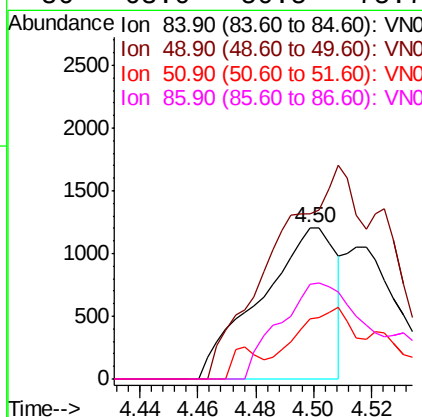
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

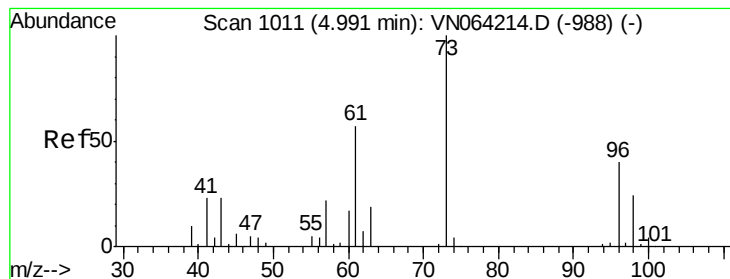
Tot Ion: 73 Resp: 3819
Ion Ratio Lower Upper
73 100
57 19.6 18.0 27.0



#20
Methylene Chloride
Concen: 0.760 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 84 Resp: 2173
Ion Ratio Lower Upper
84 100
49 108.9 108.5 162.7
51 39.8 33.8 50.8
86 63.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 0.337 ug/l

RT: 4.98 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

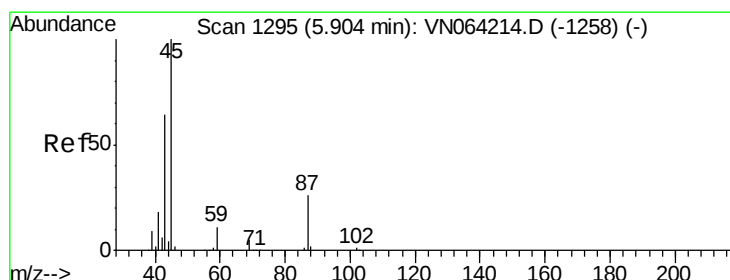
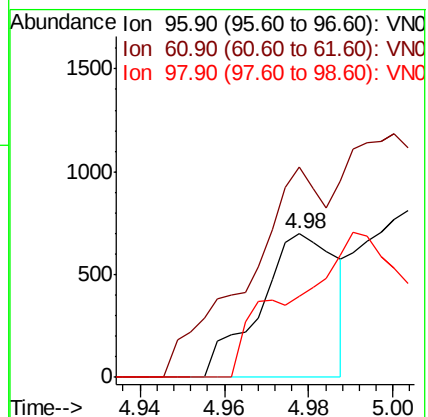
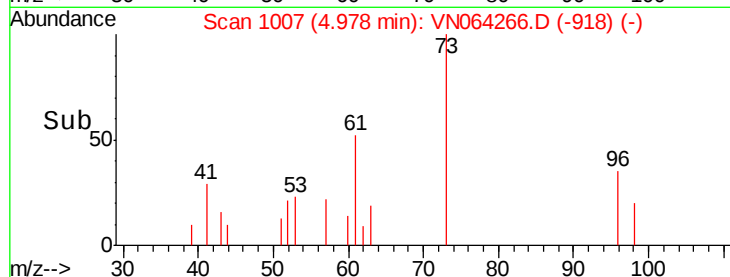
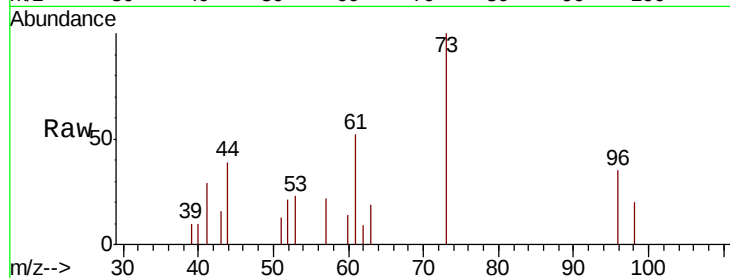
Tot Ion: 96 Resp: 880

Ion Ratio Lower Upper

96 100

61 114.9 115.8 173.6#

98 56.5 49.4 74.0



#22

Diisopropyl ether

Concen: 0.888 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Tgt Ion: 45 Resp: 7817

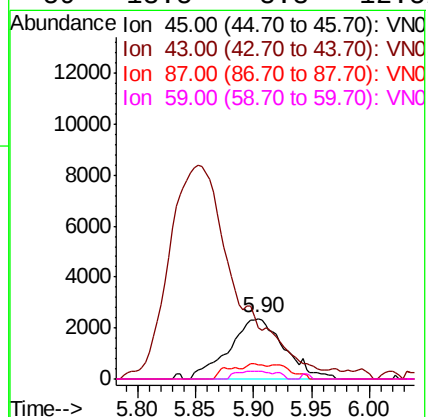
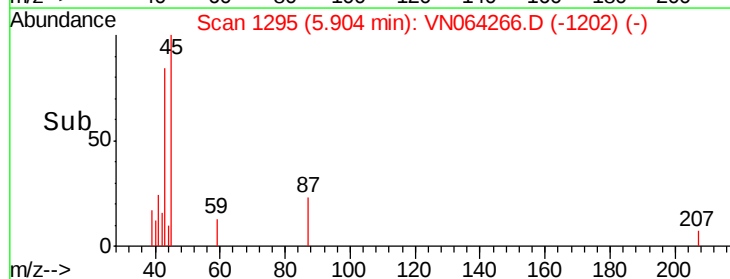
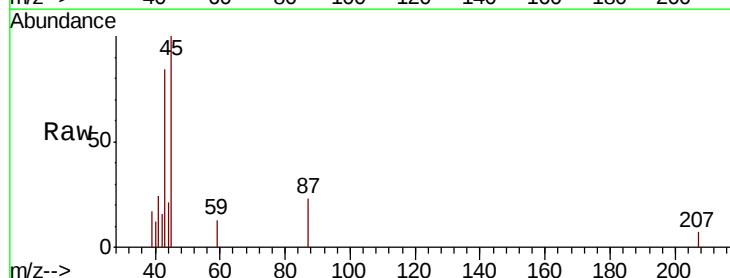
Ion Ratio Lower Upper

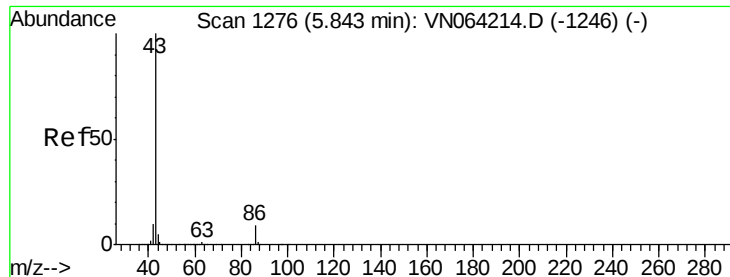
45 100

43 71.4 52.2 78.4

87 23.4 21.4 32.0

59 13.5 8.3 12.5#





#23

Vinyl Acetate

Concen: 4.293 ug/l

RT: 5.85 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

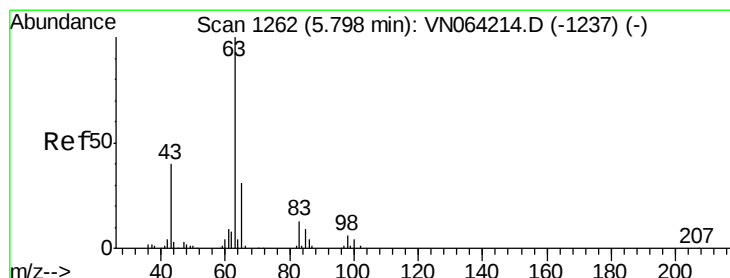
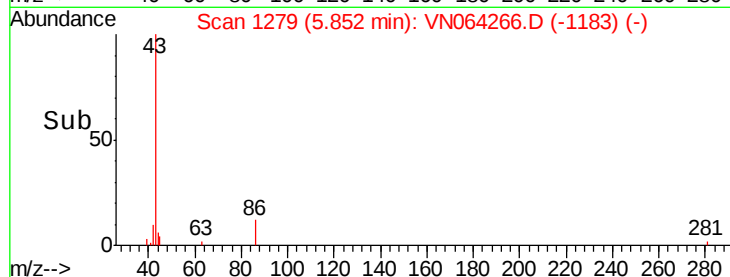
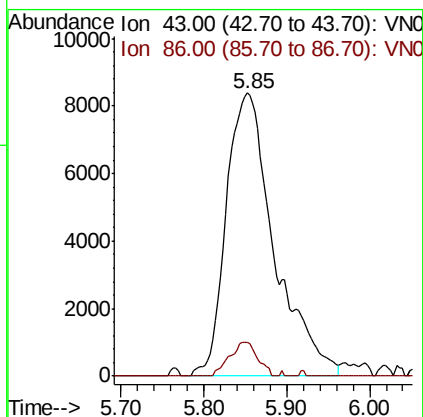
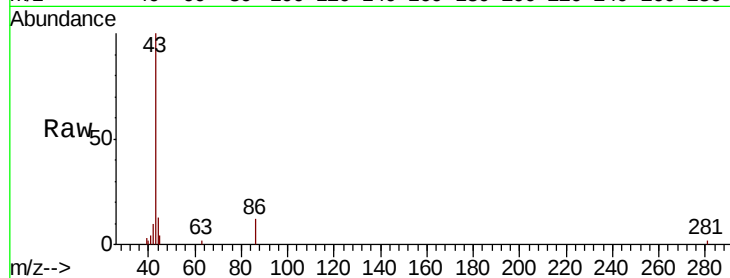
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 33707

Ion Ratio Lower Upper

43 100

86 11.8 7.4 11.0#



#24

1,1-Dichloroethane

Concen: 0.261 ug/l

RT: 5.78 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

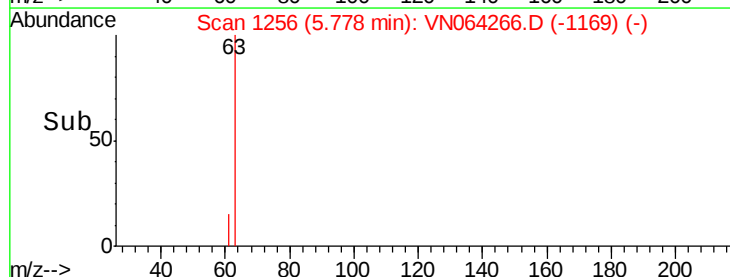
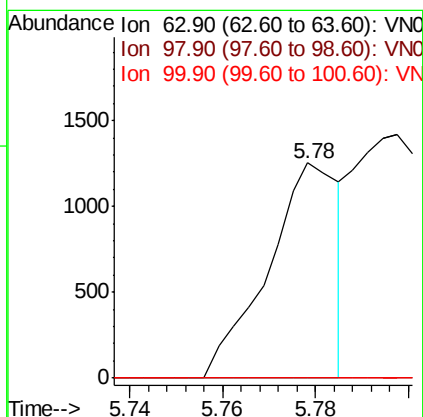
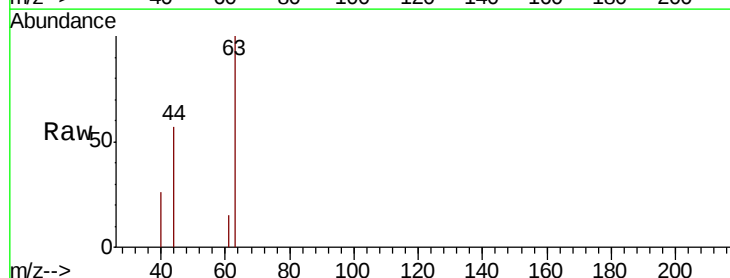
Tgt Ion: 63 Resp: 1330

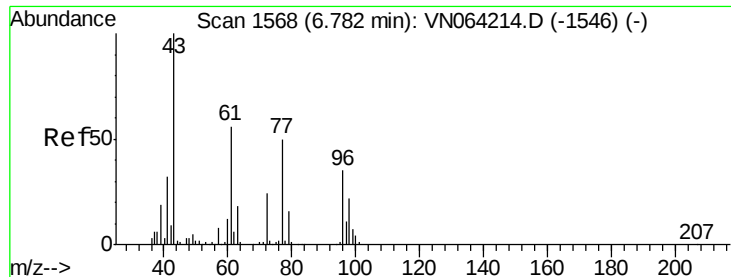
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 2.0 6.0#

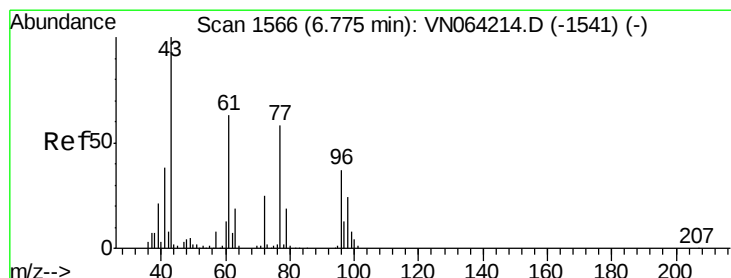
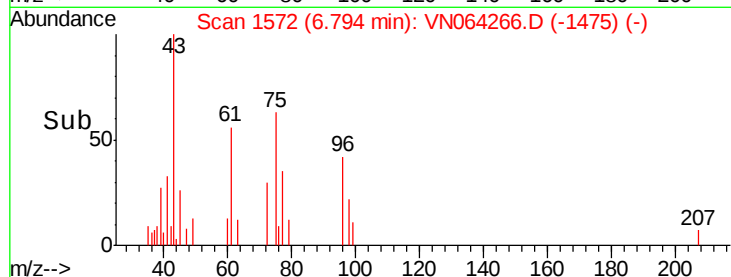
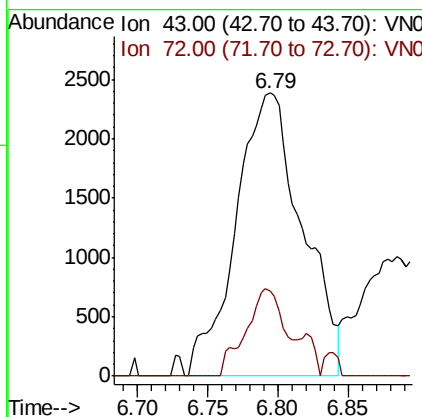
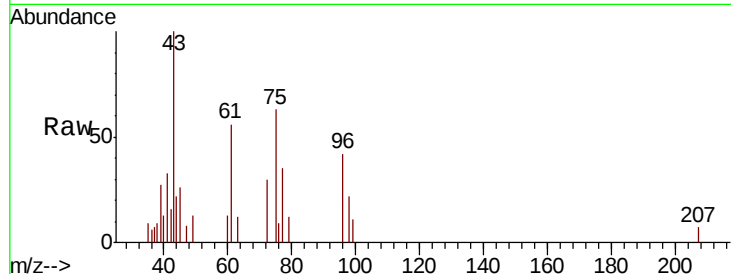




#25
 2-Butanone
 Concen: 4.607 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

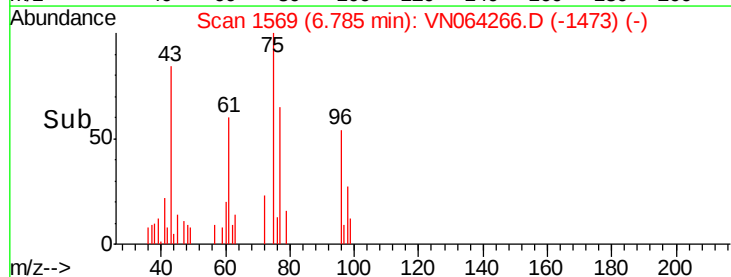
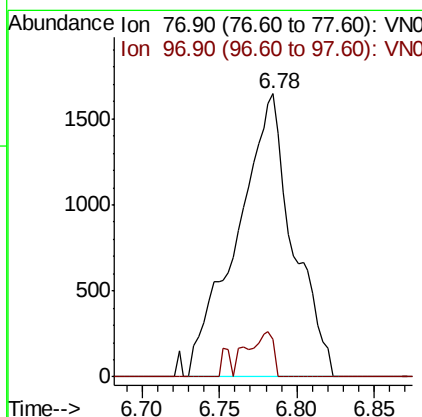
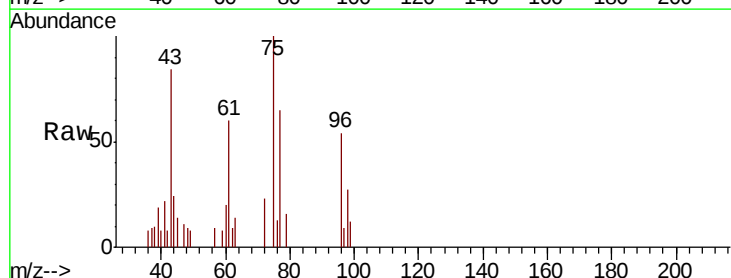
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

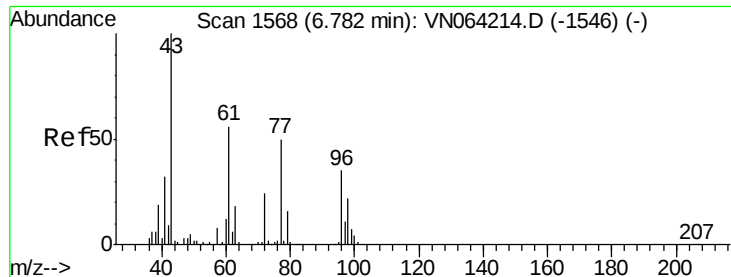
Tot Ion: 43 Resp: 7853
 Ion Ratio Lower Upper
 43 100
 72 30.2 19.4 29.0#



#26
 2,2-Dichloropropane
 Concen: 0.817 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 77 Resp: 4147
 Ion Ratio Lower Upper
 77 100
 97 7.4 10.4 31.4#





#27

cis-1,2-Dichloroethene

Concen: 1.114 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

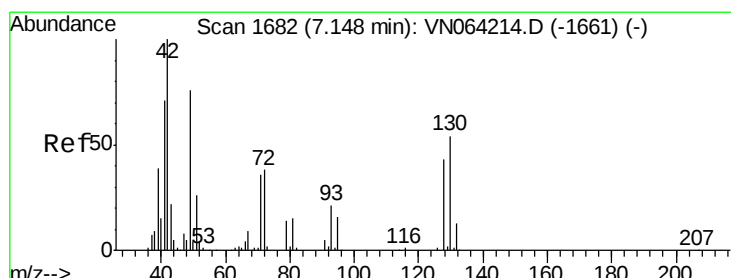
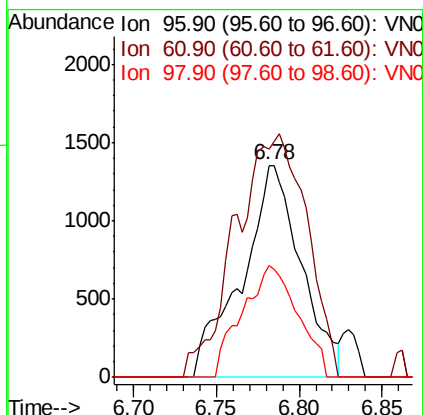
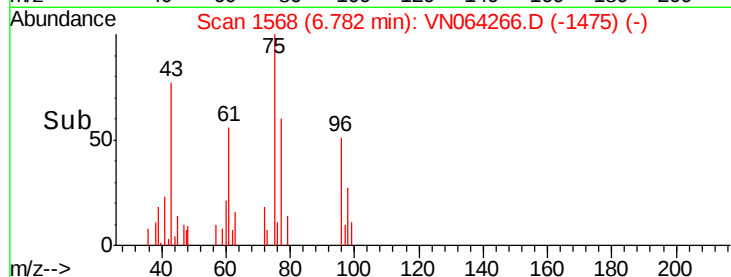
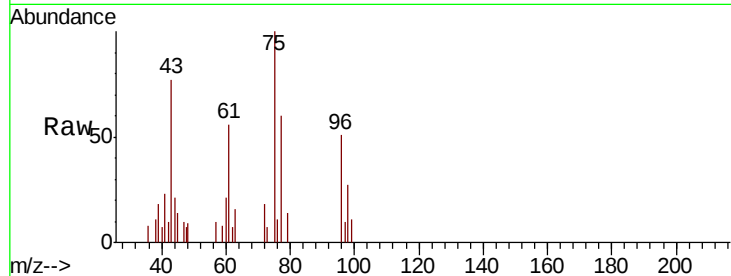
Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 96 Resp: 3385

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	330.0
98	49.2	0.0	130.6



#28

Bromochloromethane

Concen: 0.499 ug/l

RT: 7.15 min Scan# 1683

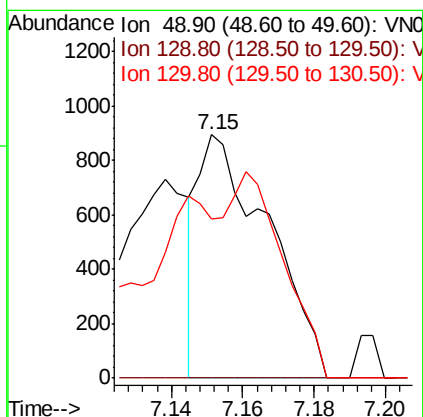
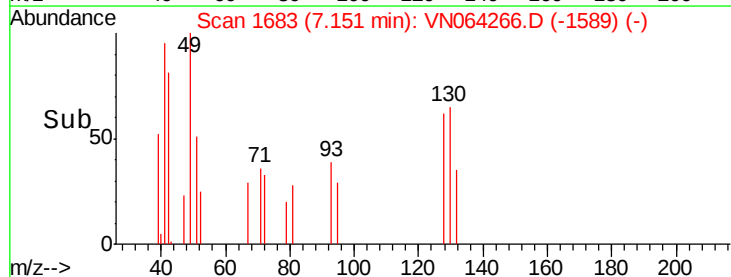
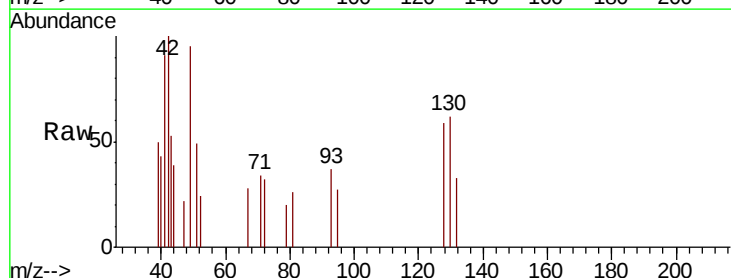
Delta R.T. 0.00 min

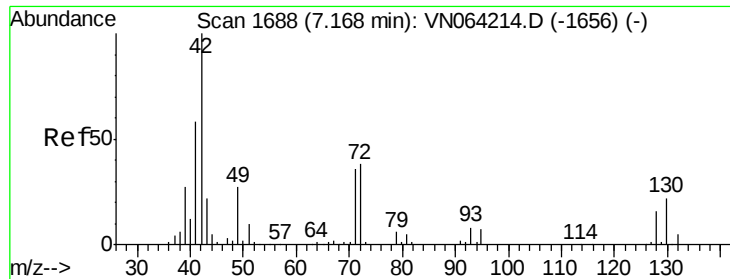
Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Tgt Ion: 49 Resp: 1209

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	77.8	58.8	88.2

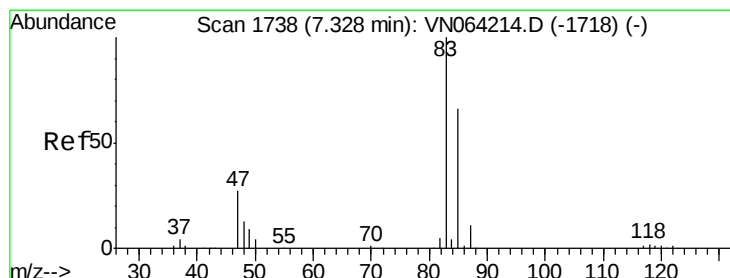
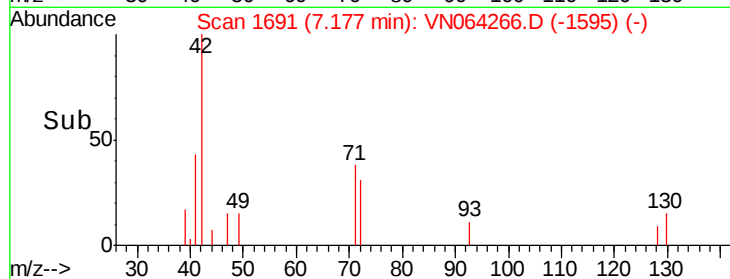
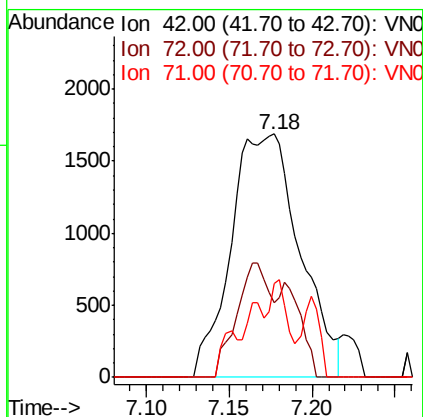
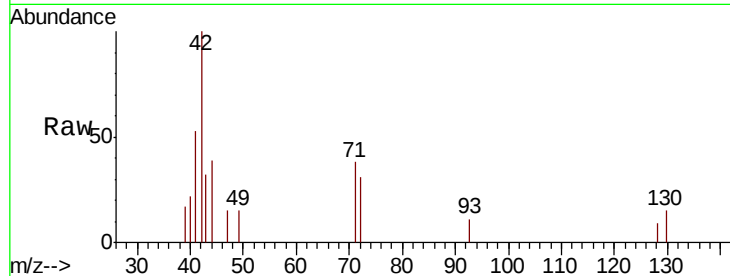




#29
Tetrahydrofuran
Concen: 4.799 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

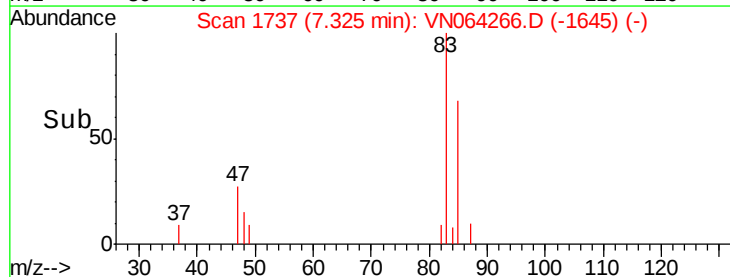
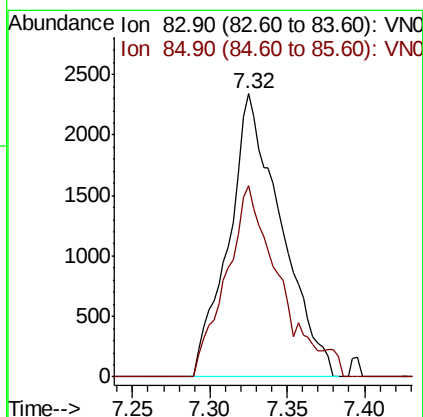
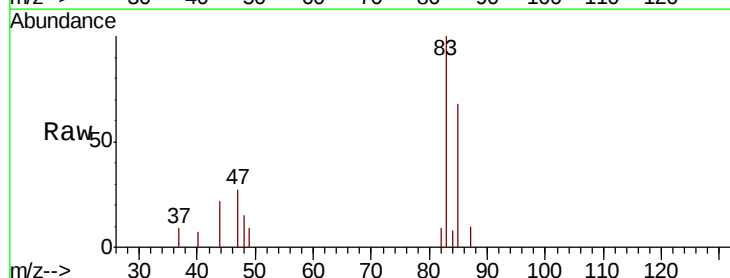
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

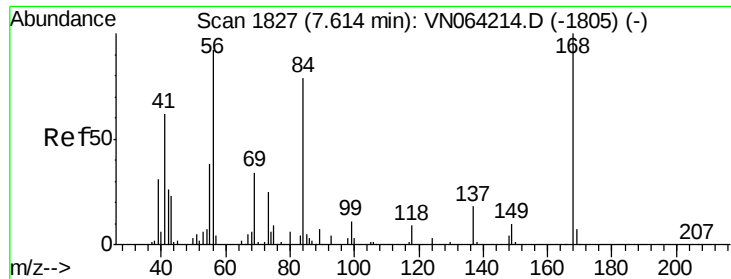
Tot Ion: 42 Resp: 4893
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 11.2 29.0 43.6#



#30
Chloroform
Concen: 1.013 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 83 Resp: 5513
Ion Ratio Lower Upper
83 100
85 67.7 52.5 78.7





#31

Cyclohexane

Concen: 1.945 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

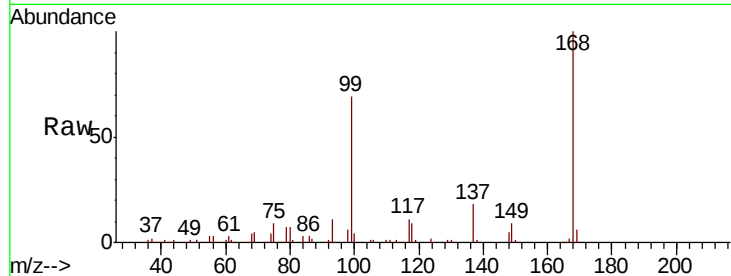
Tot Ion: 56 Resp: 8646

Ion Ratio Lower Upper

56 100

69 154.9 29.8 44.6#

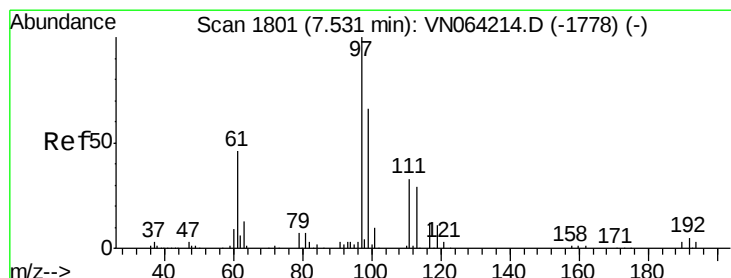
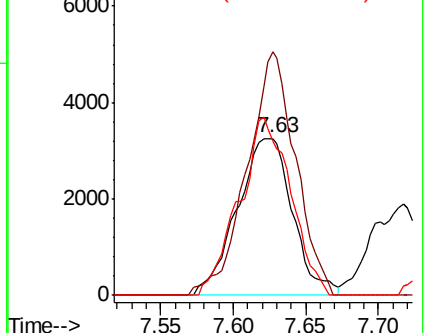
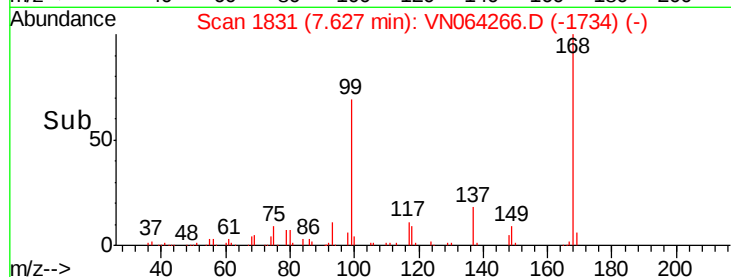
84 97.6 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.458 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

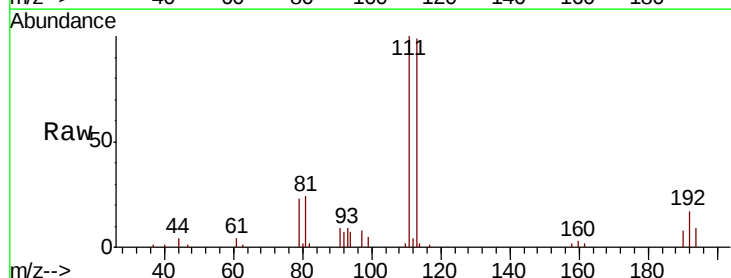
Tgt Ion: 97 Resp: 2333

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

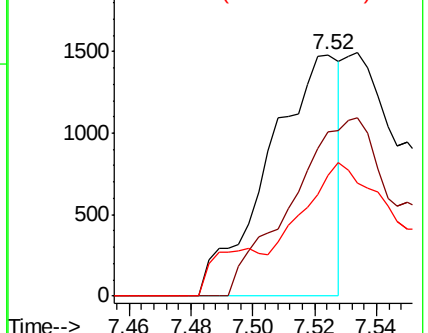
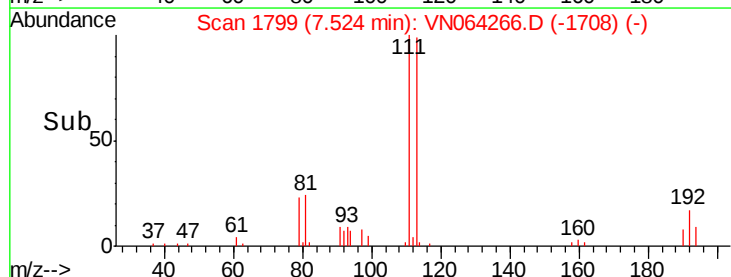
61 77.1 36.3 54.5#

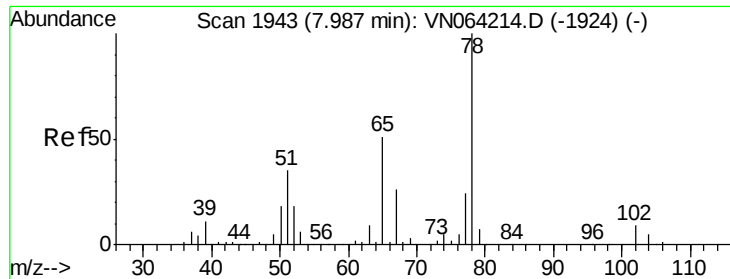


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

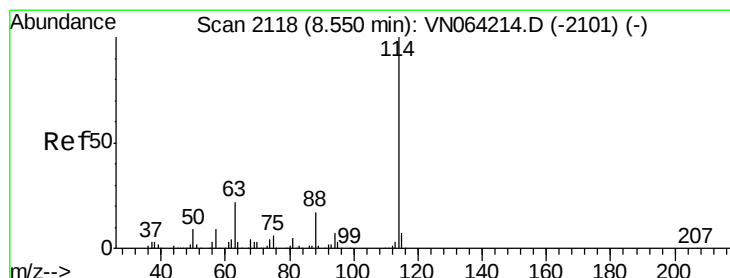
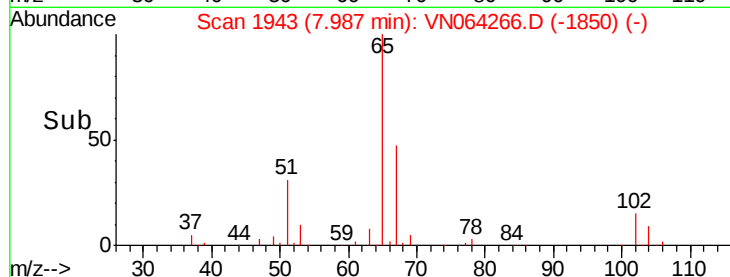
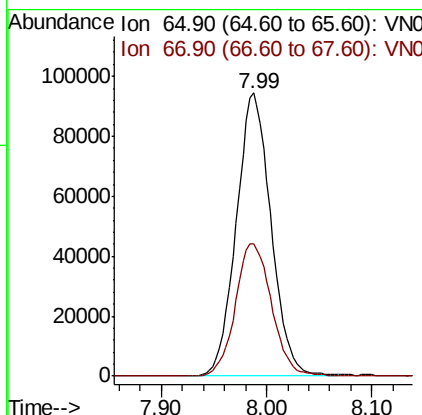
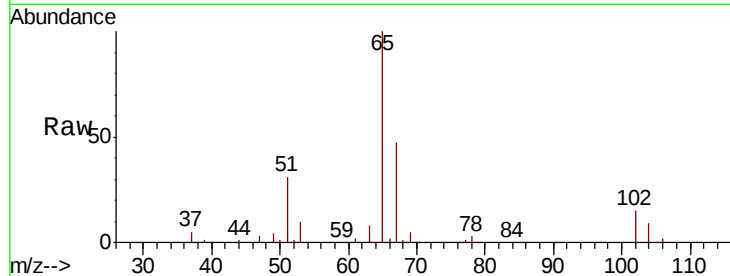




#33
 1,2-Dichloroethane-d4
 Concen: 57.631 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

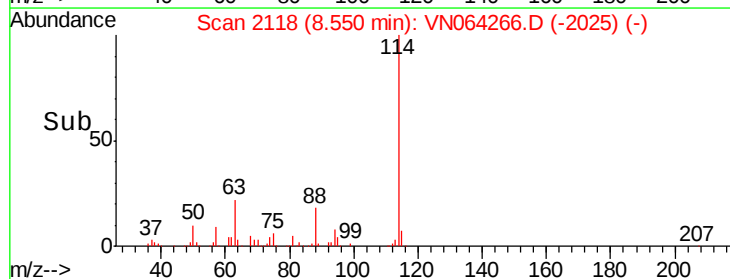
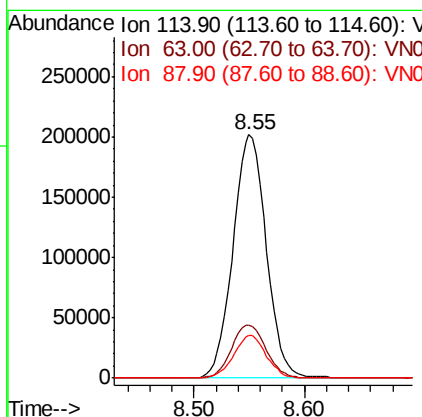
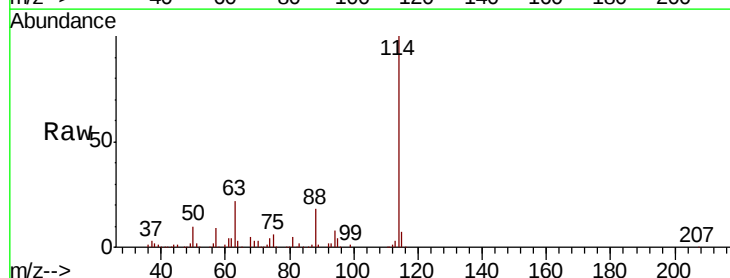
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

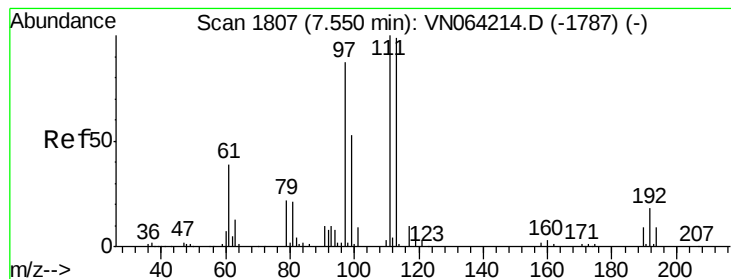
Tot Ion: 65 Resp: 216100
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 114 Resp: 422653
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.0
 88 17.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.224 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

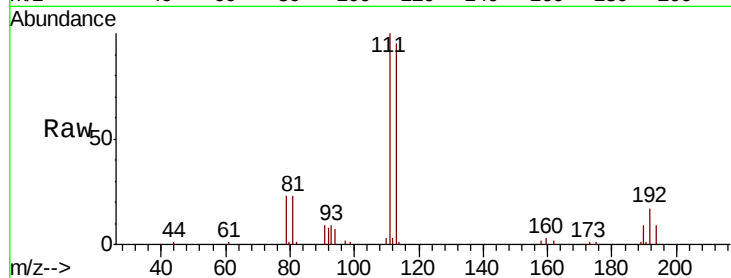
Tot Ion:113 Resp: 146749

Ion Ratio Lower Upper

113 100

111 104.1 84.2 126.2

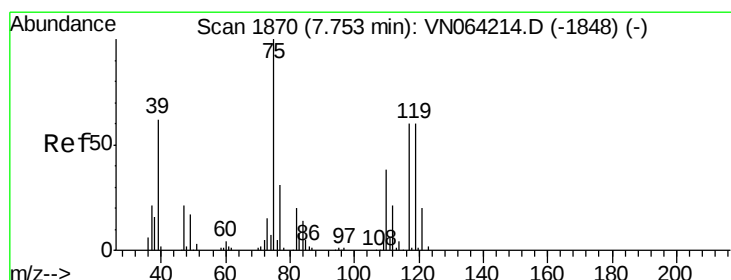
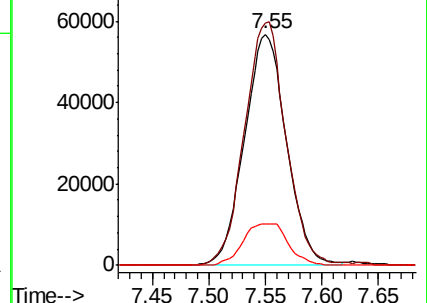
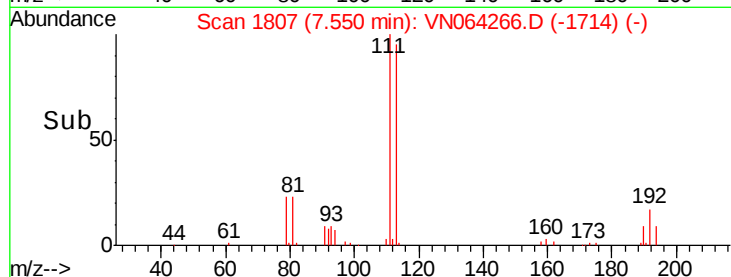
192 19.3 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.950 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

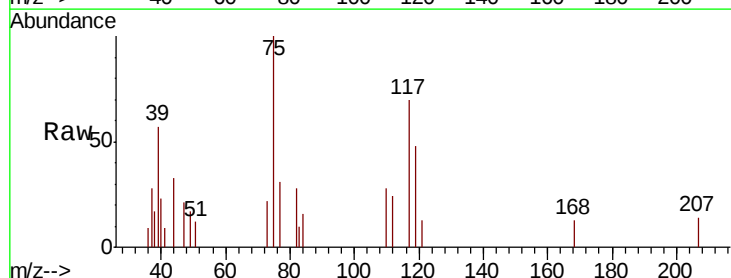
Tgt Ion: 75 Resp: 4002

Ion Ratio Lower Upper

75 100

110 33.9 17.2 51.6

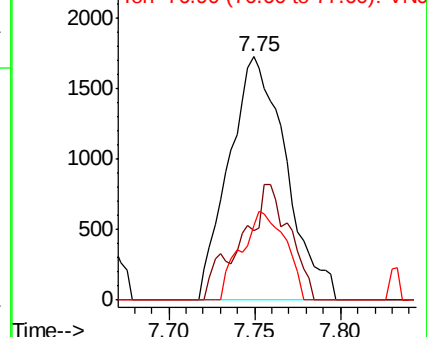
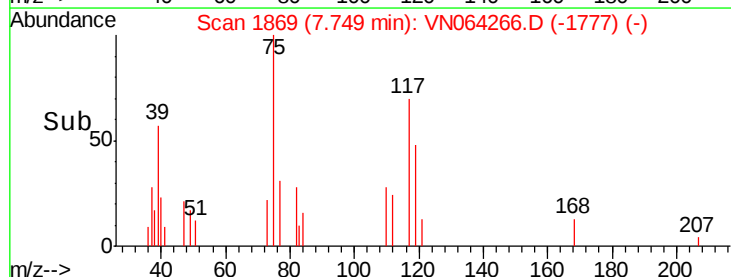
77 28.1 24.9 37.3

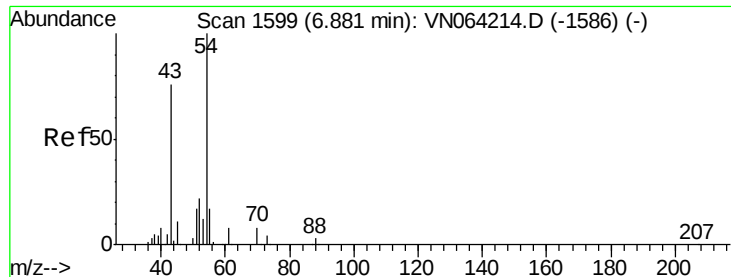


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

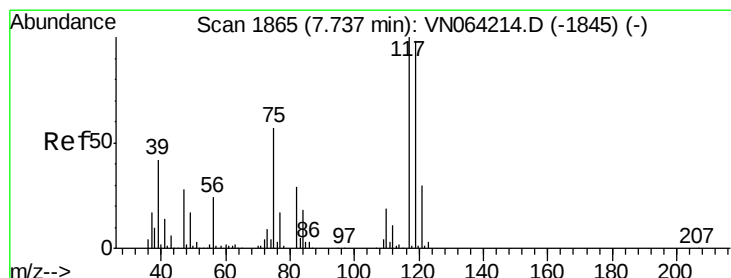
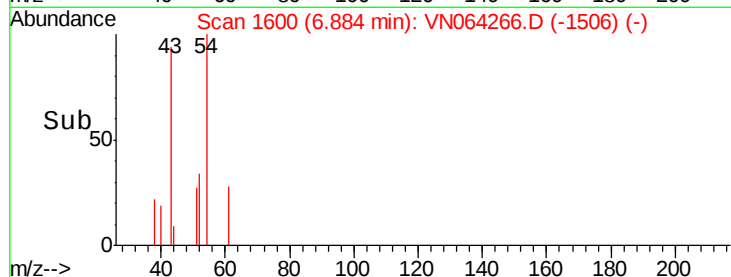
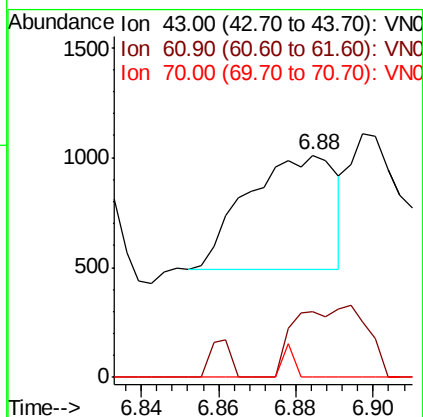
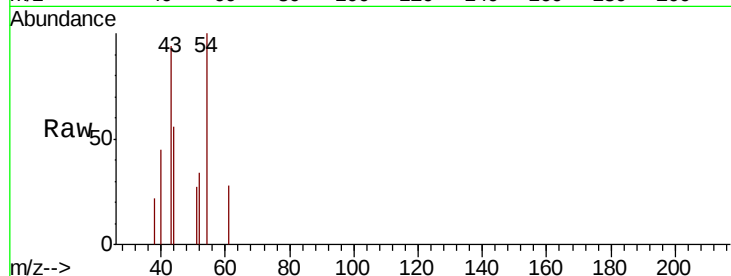




#37
Ethyl Acetate
Concen: 0.215 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

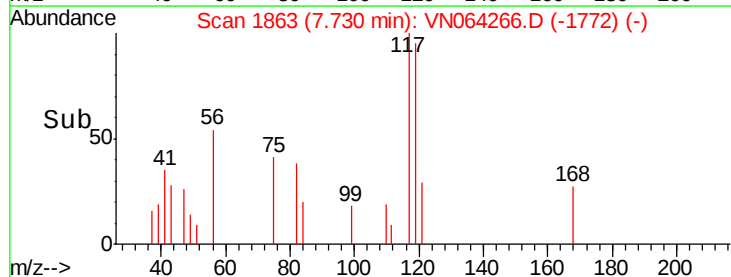
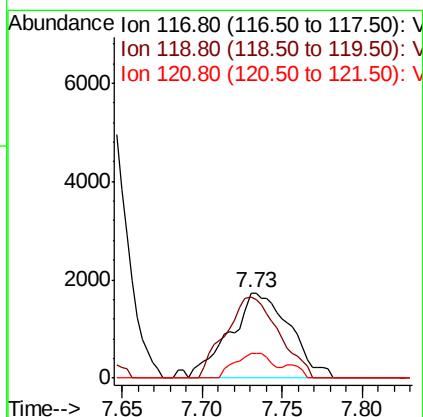
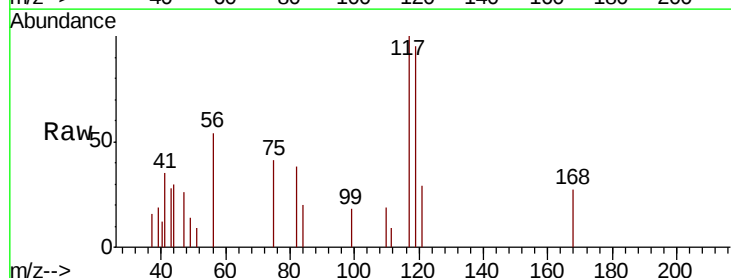
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

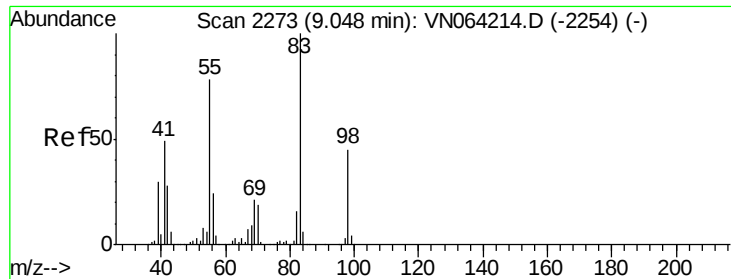
Tot Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
61 50.5 10.0 15.0#
70 3.6 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 0.933 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 117 Resp: 4471
Ion Ratio Lower Upper
117 100
119 95.3 78.5 117.7
121 29.1 24.3 36.5

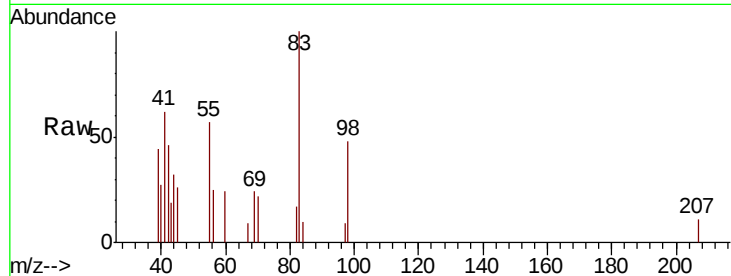




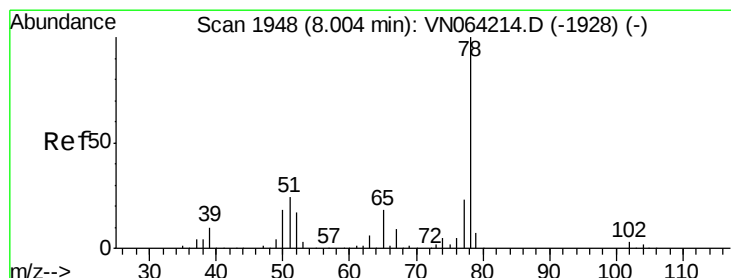
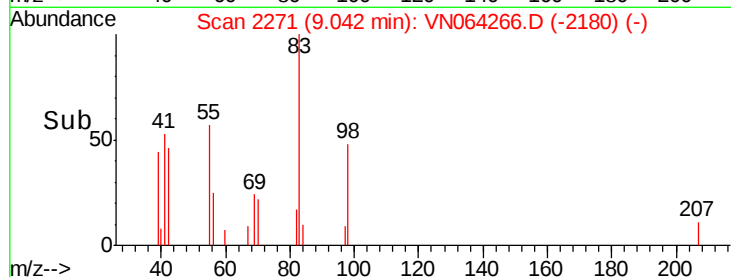
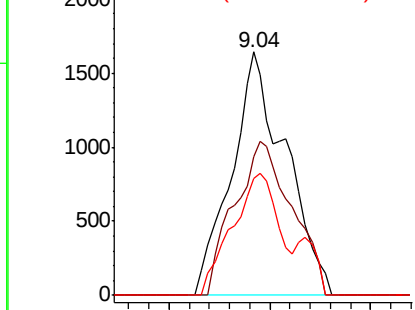
#39
Methvlcvclohexane
Concen: 0.803 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 3077
Ion Ratio Lower Upper
83 100
55 56.8 62.2 93.2#
98 48.0 35.9 53.9

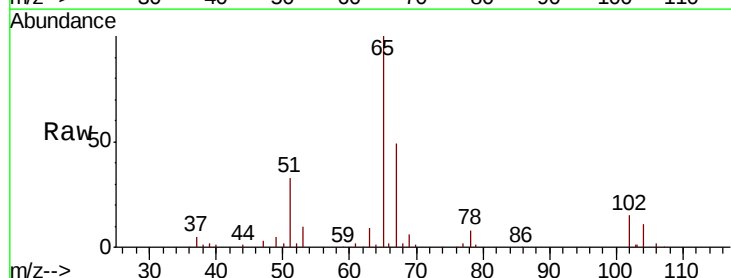


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

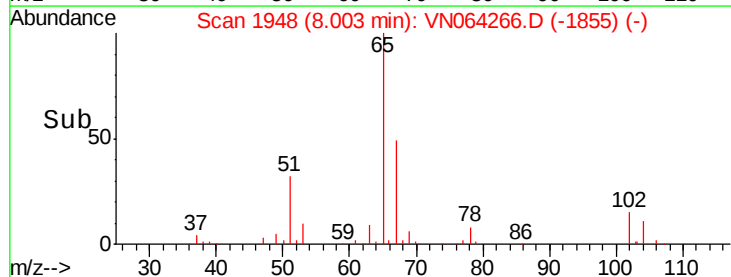
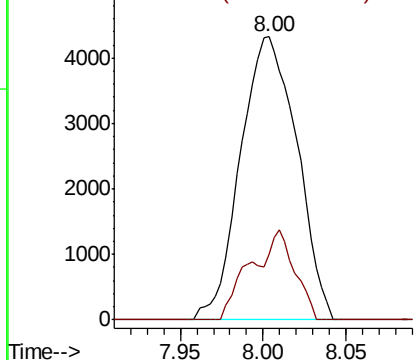


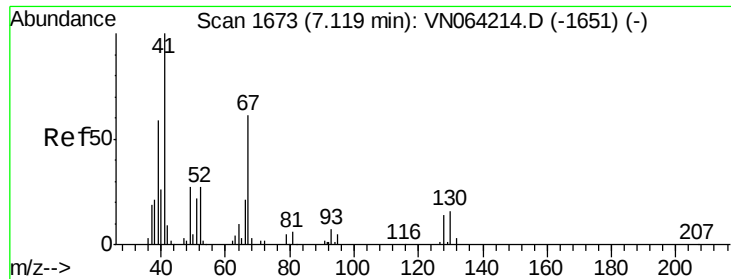
#40
Benzene
Concen: 0.881 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 78 Resp: 10245
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 0.520 ug/l

RT: 7.11 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

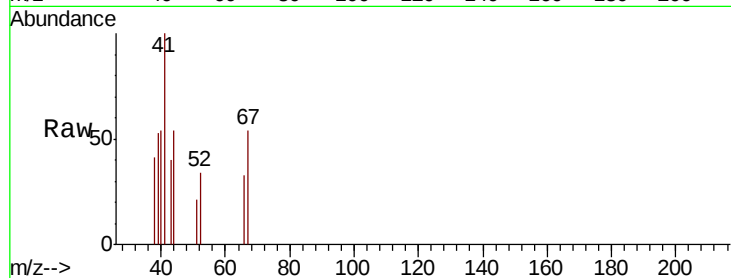
MSVOA_N

ClientSampleId :

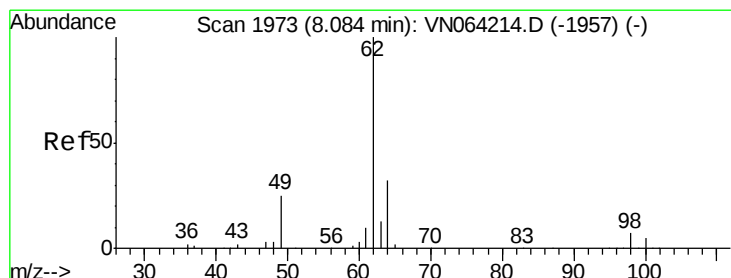
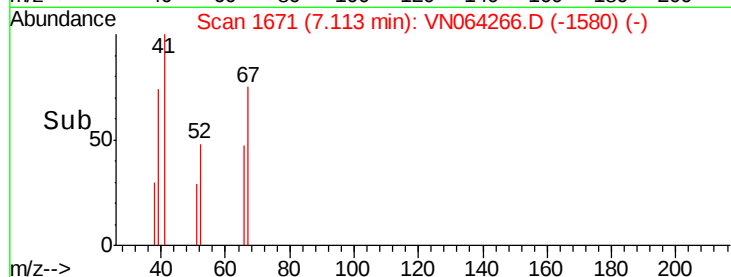
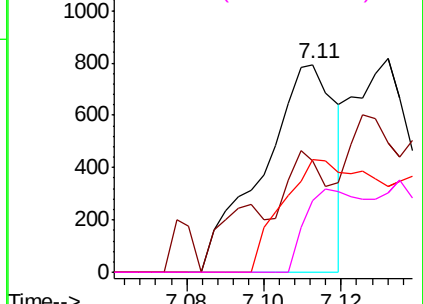
LOQ-WATER-02-QT4-2020

Tot Ion: 41 Resp: 1043

Ion	Ratio	Lower	Upper
41	100		
39	14.5	50.5	75.7#
67	68.9	63.2	94.8
52	35.6	29.3	43.9



Abundance Ion 41.00 (40.70 to 41.70): VN064214.D (-1651) (-)



#42

1,2-Dichloroethane

Concen: 0.966 ug/l

RT: 8.08 min Scan# 1973

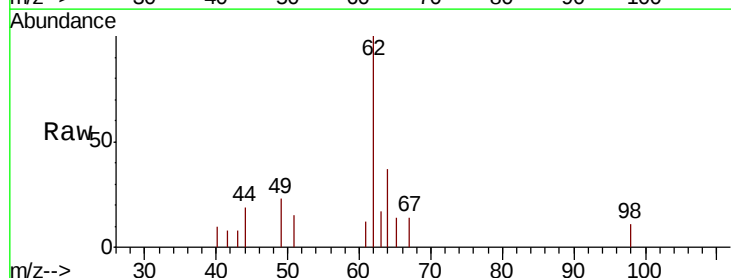
Delta R.T. -0.00 min

Lab File: VN064266.D

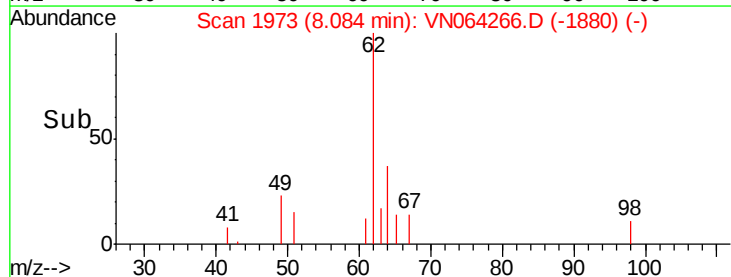
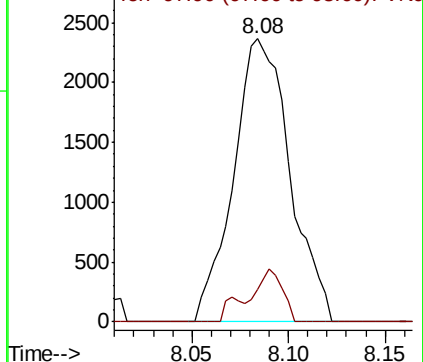
Acq: 22 Oct 2020 21:39

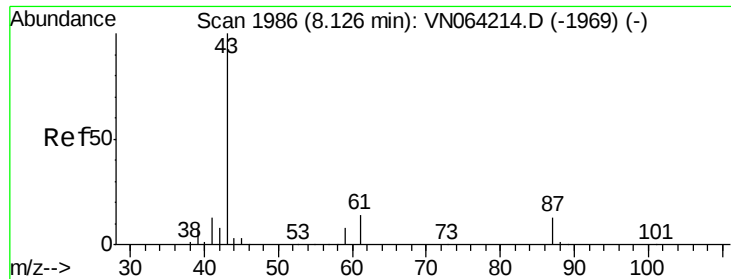
Tgt Ion: 62 Resp: 4815

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.0



Abundance Ion 61.90 (61.60 to 62.60): VN064214.D (-1957) (-)





#43

Isopropyl Acetate

Concen: 0.942 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

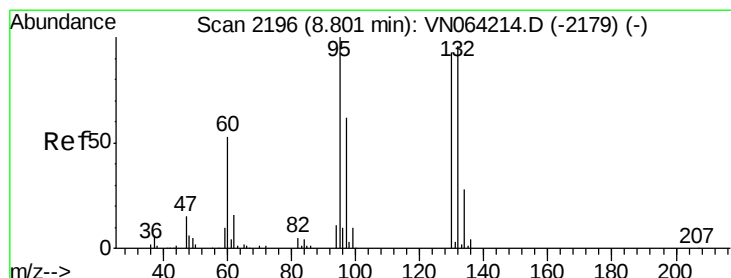
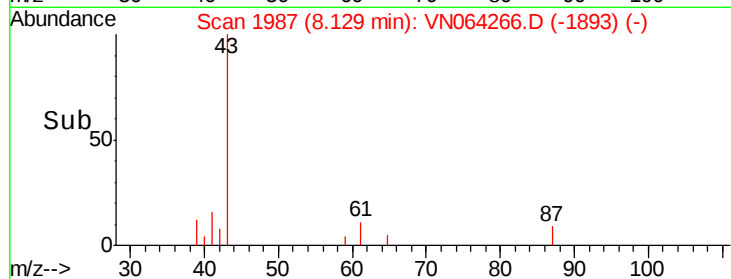
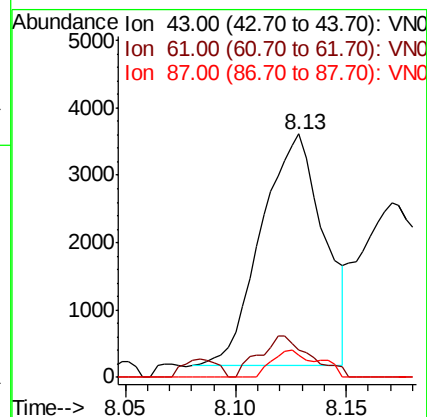
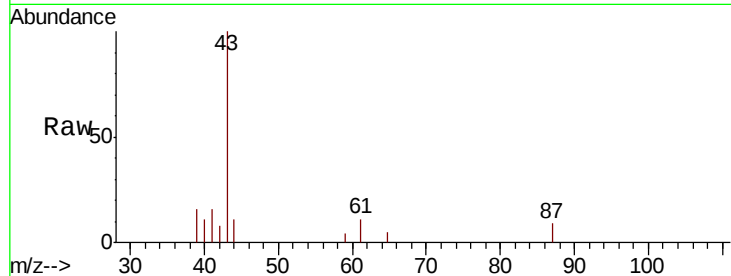
Tot Ion: 43 Resp: 6718

Ion Ratio Lower Upper

43 100

61 14.8 19.6 29.4#

87 6.6 9.8 14.6#



#44

Trichloroethene

Concen: 0.994 ug/l

RT: 8.79 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN064266.D

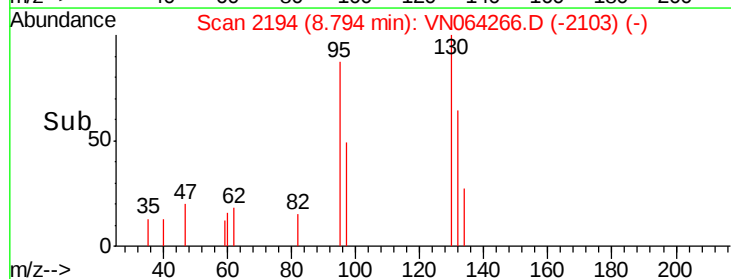
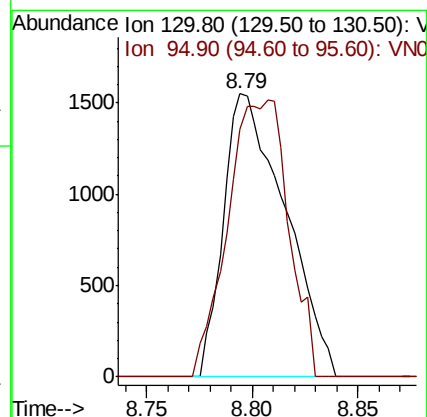
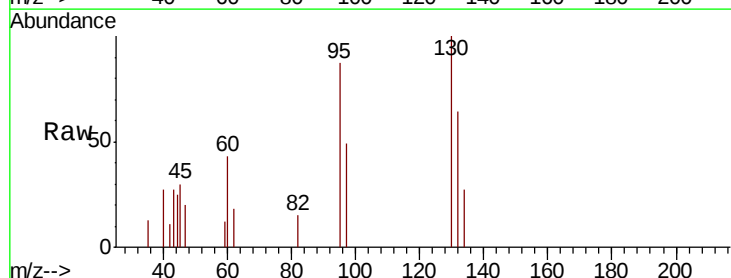
Acq: 22 Oct 2020 21:39

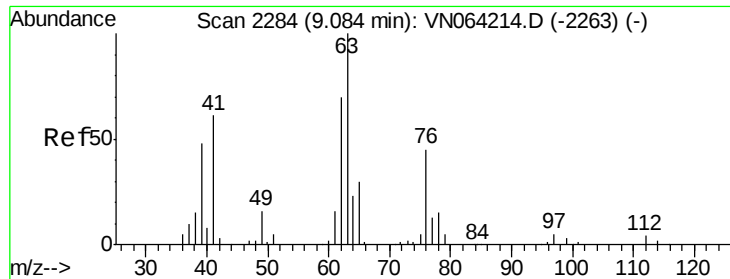
Tgt Ion:130 Resp: 3150

Ion Ratio Lower Upper

130 100

95 87.5 0.0 214.0

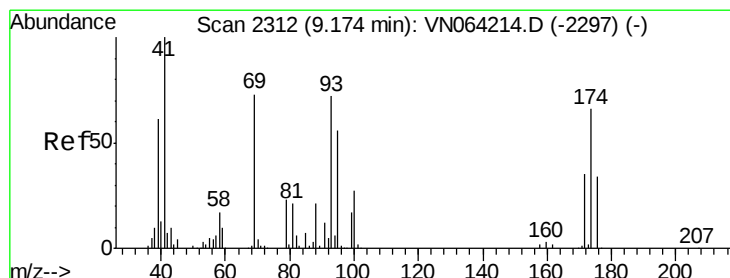
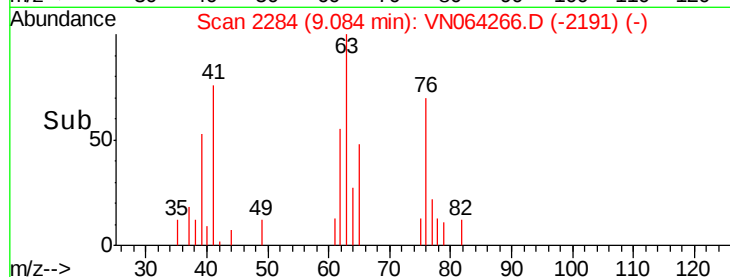
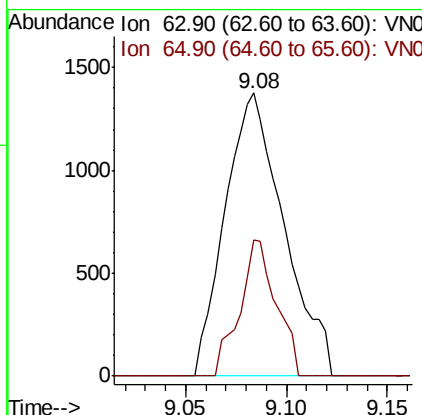
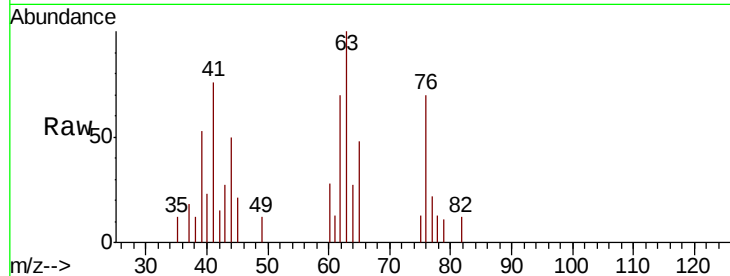




#45
 1,2-Dichloropropane
 Concen: 0.901 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

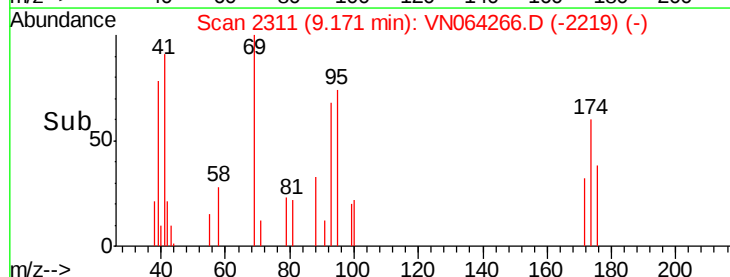
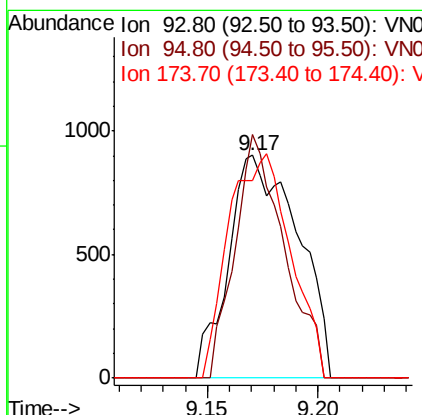
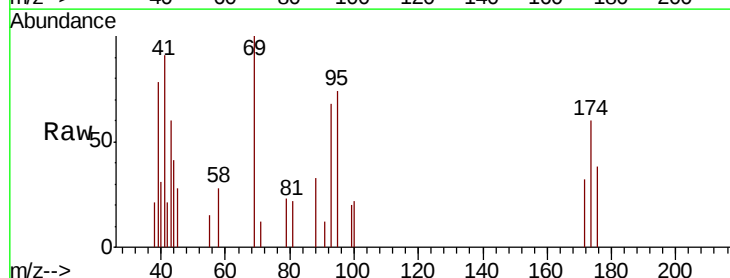
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

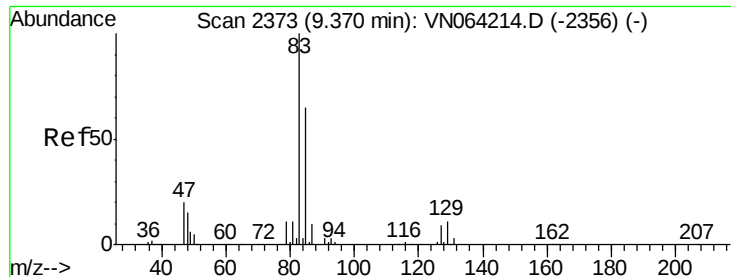
Tot Ion: 63 Resp: 2798
 Ion Ratio Lower Upper
 63 100
 65 48.3 24.0 36.0#



#46
 Dibromomethane
 Concen: 0.942 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 93 Resp: 1965
 Ion Ratio Lower Upper
 93 100
 95 77.4 63.0 94.4
 174 89.9 72.9 109.3





#47

Bromodichloromethane

Concen: 0.868 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

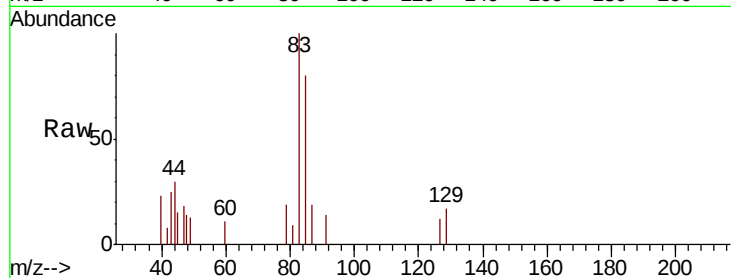
Tot Ion: 83 Resp: 3999

Ion Ratio Lower Upper

83 100

85 80.0 51.8 77.8#

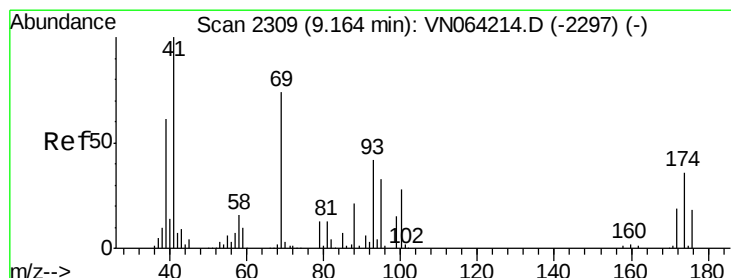
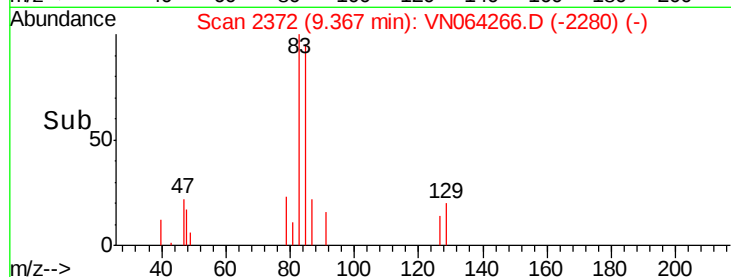
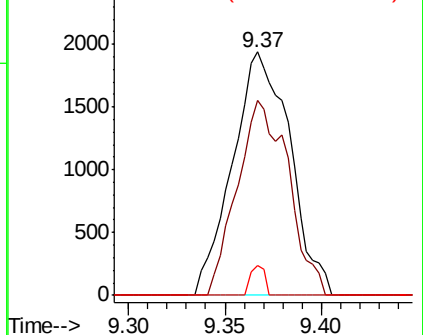
127 12.1 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064214.D (-2356) (-)



#48

Methyl methacrylate

Concen: 0.504 ug/l

RT: 9.16 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

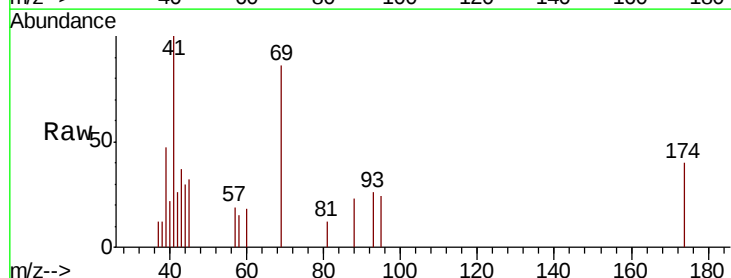
Tgt Ion: 41 Resp: 1878

Ion Ratio Lower Upper

41 100

69 119.3 57.3 85.9#

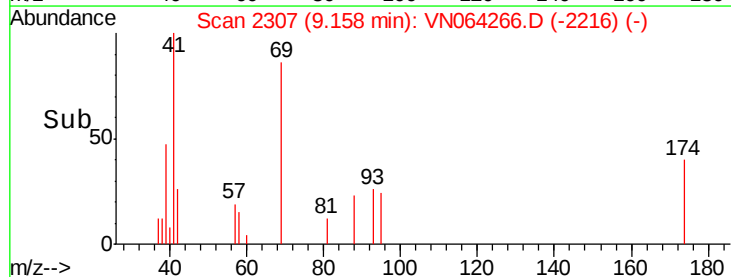
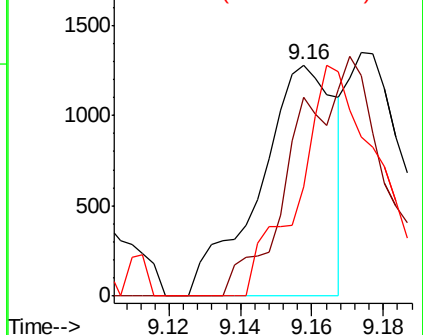
39 106.1 48.6 73.0#

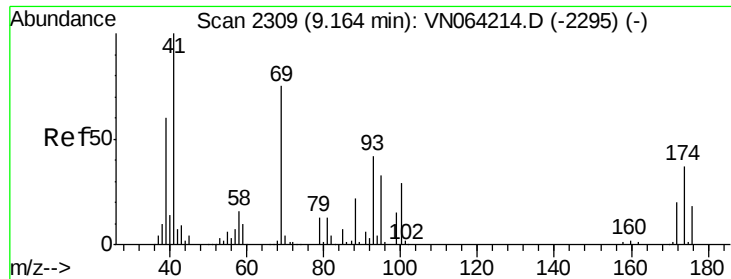


Abundance Ion 41.00 (40.70 to 41.70): VN064214.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064214.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064214.D (-2297) (-)





#49

1,4-Dioxane

Concen: 15.237 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

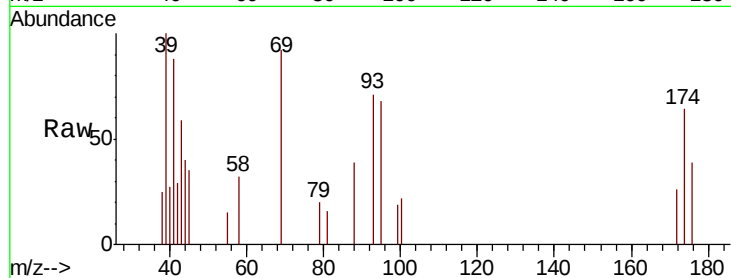
Tot Ion: 88 Resp: 664

Ion Ratio Lower Upper

88 100

43 85.1 34.6 52.0#

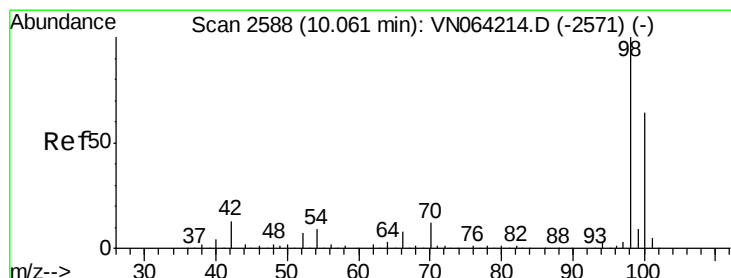
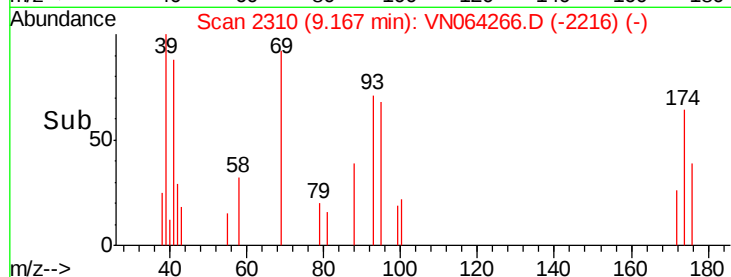
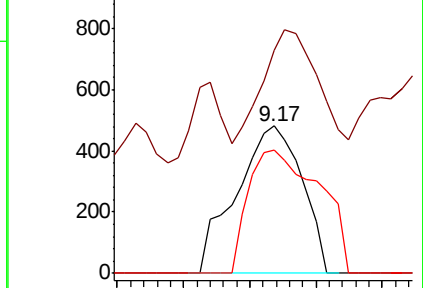
58 90.5 59.0 88.6#



Abundance Ion 88.00 (87.70 to 88.70): VN064266.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN064266.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN064266.D (-2216) (-)



#50

Toluene-d8

Concen: 51.614 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064266.D

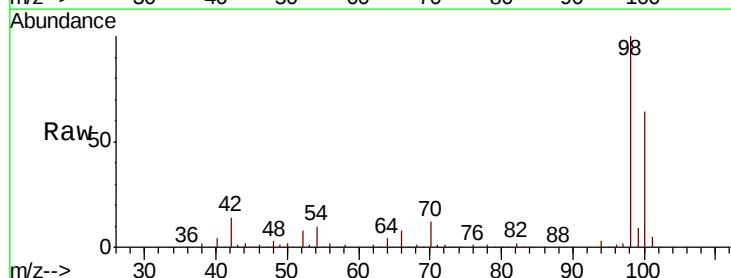
Acq: 22 Oct 2020 21:39

Tgt Ion: 98 Resp: 526115

Ion Ratio Lower Upper

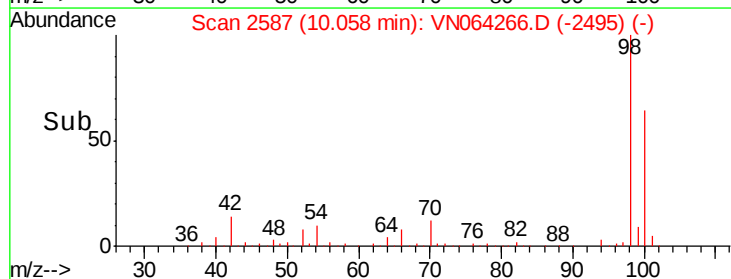
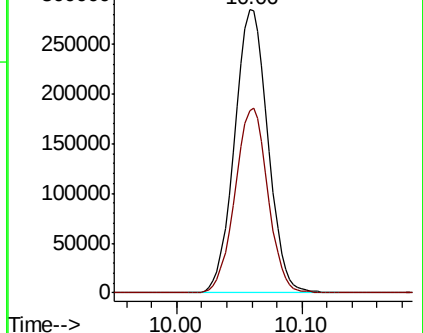
98 100

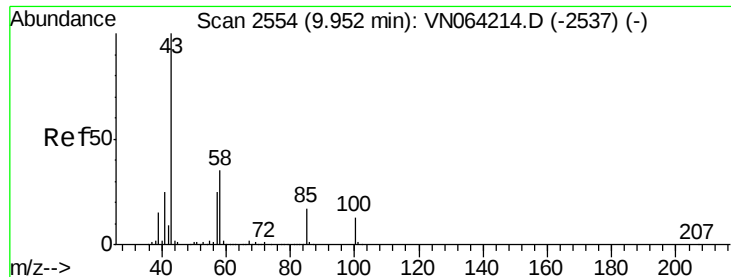
100 64.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064266.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN064266.D (-2495) (-)





#51

4-Methyl-2-Pentanone

Concen: 4.510 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

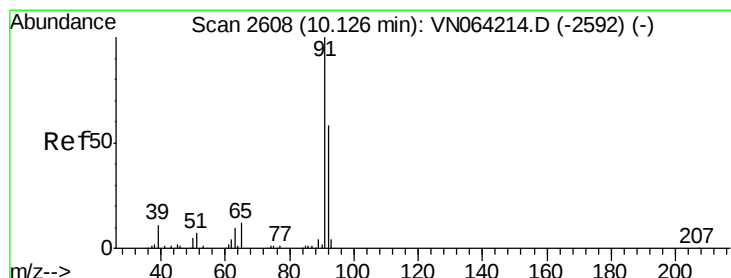
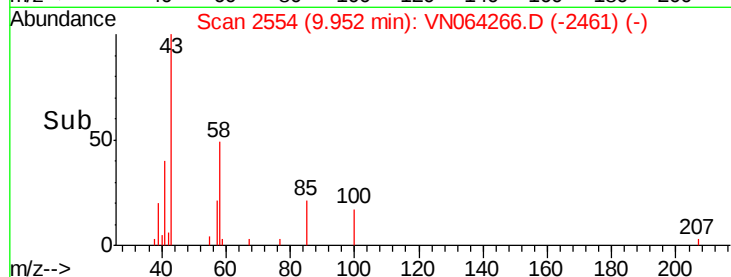
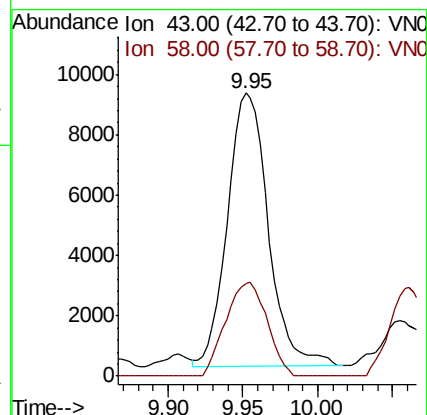
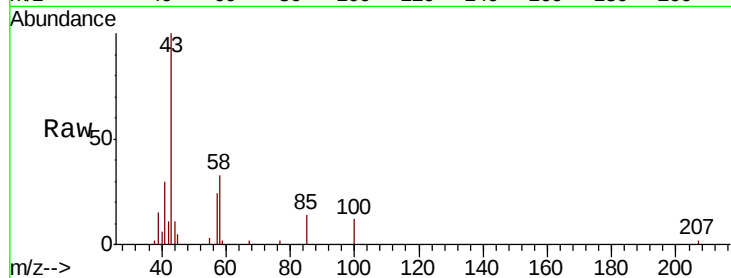
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 17184

Ion Ratio Lower Upper

43 100

58 34.7 28.6 42.8



#52

Toluene

Concen: 0.755 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064266.D

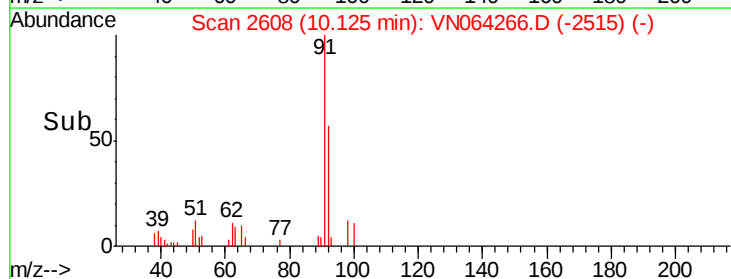
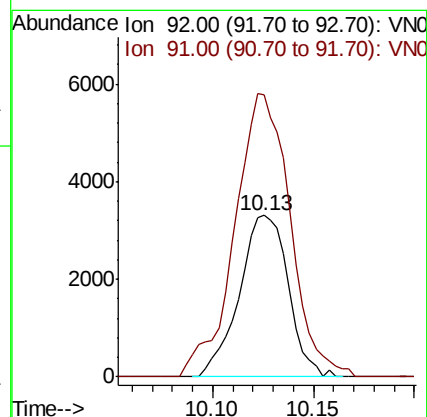
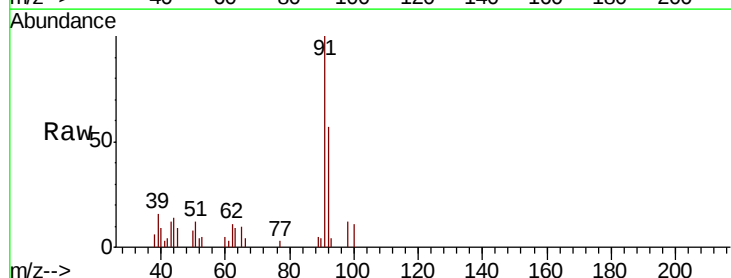
Acq: 22 Oct 2020 21:39

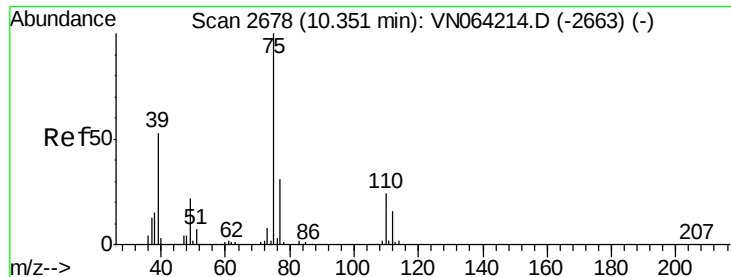
Tgt Ion: 92 Resp: 5621

Ion Ratio Lower Upper

92 100

91 198.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 0.809 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

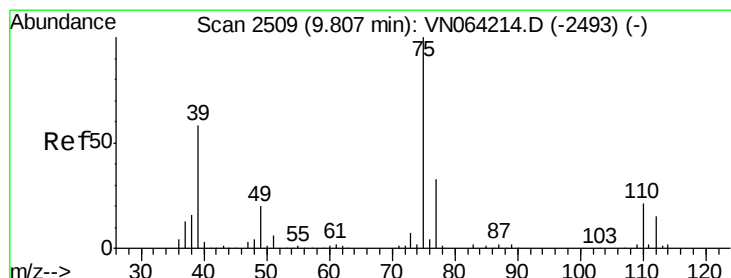
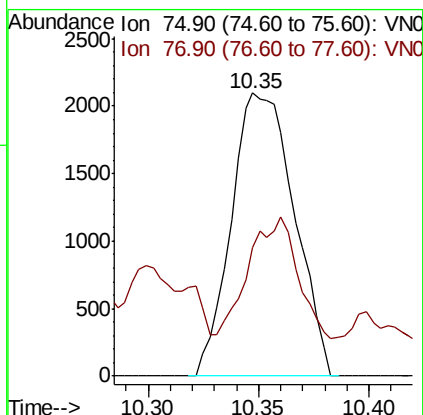
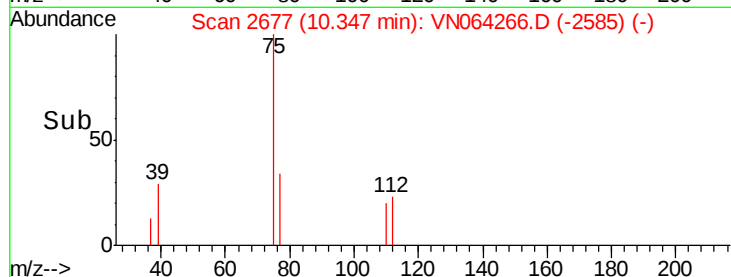
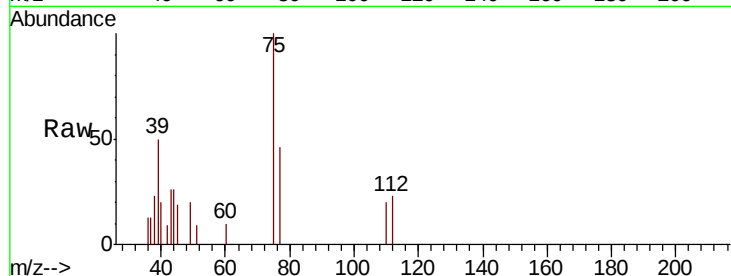
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 4140

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 0.804 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

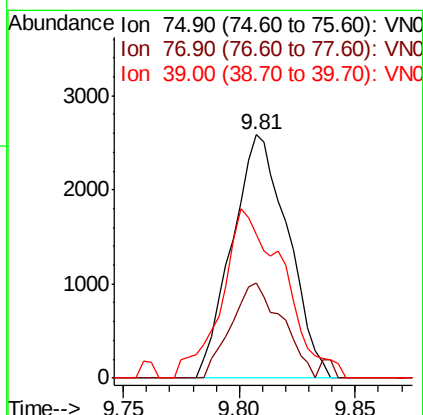
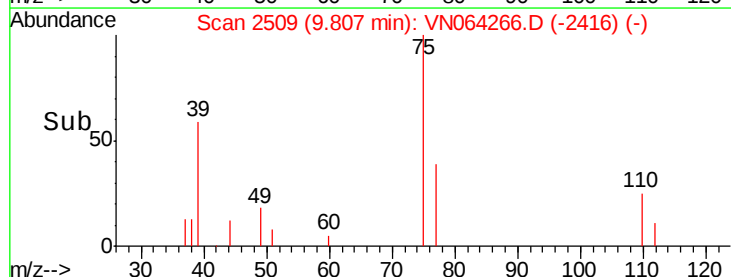
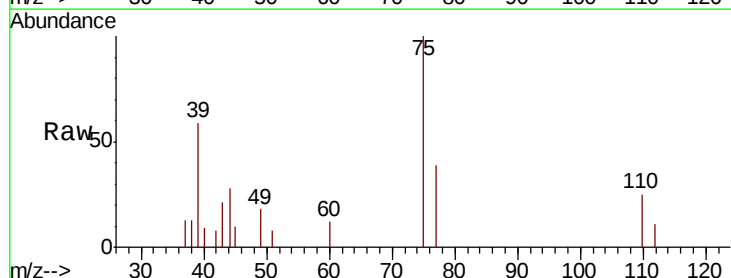
Tgt Ion: 75 Resp: 4333

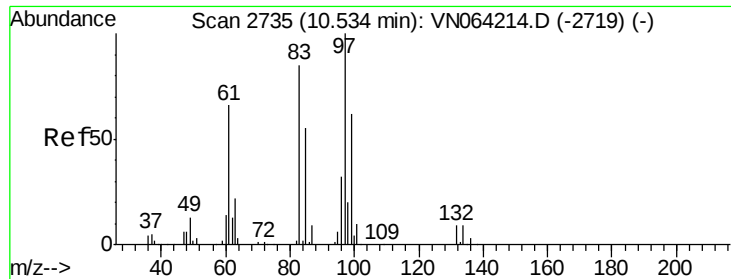
Ion Ratio Lower Upper

75 100

77 39.2 26.6 39.8

39 53.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 0.498 ug/l

RT: 10.54 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 97 Resp: 1399

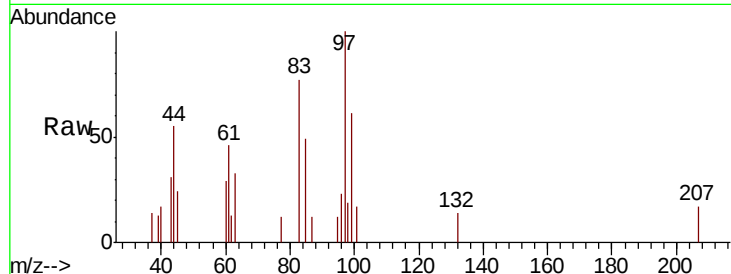
Ion Ratio Lower Upper

97 100

83 77.3 67.8 101.6

85 48.7 43.6 65.4

99 61.0 49.9 74.9

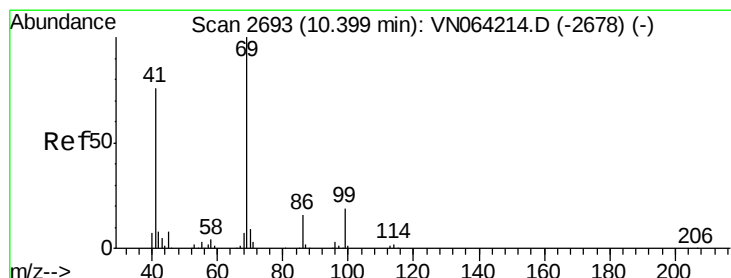
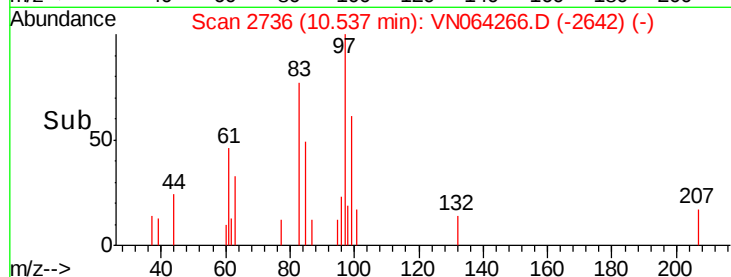
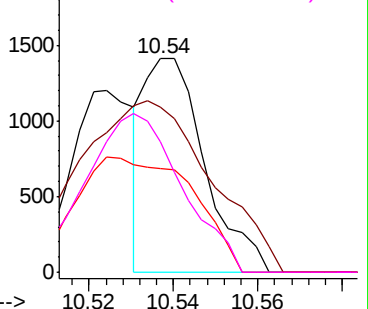


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.901 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

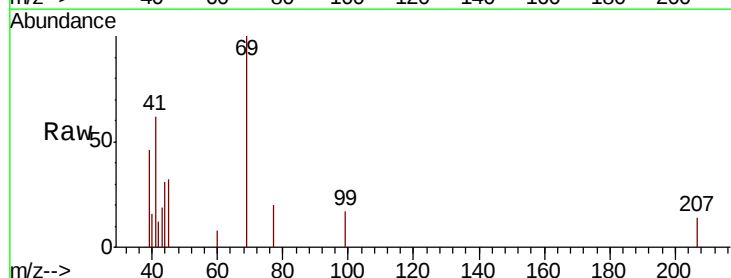
Tgt Ion: 69 Resp: 3915

Ion Ratio Lower Upper

69 100

41 75.9 61.4 92.2

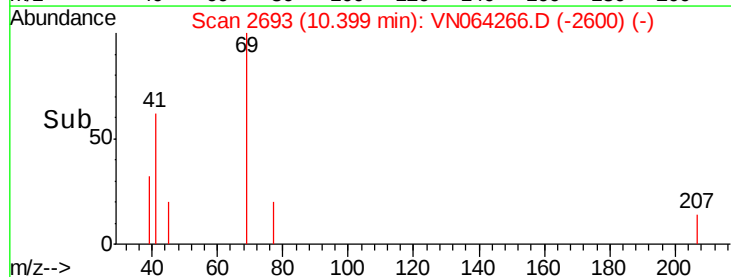
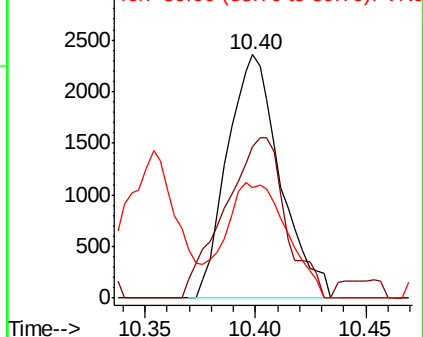
39 55.1 36.0 54.0#

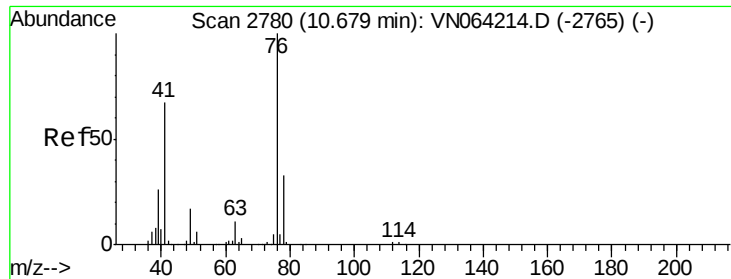


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

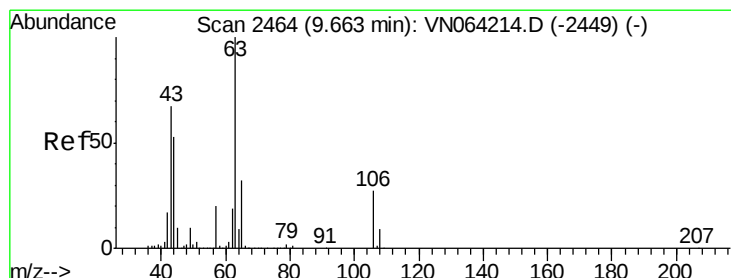
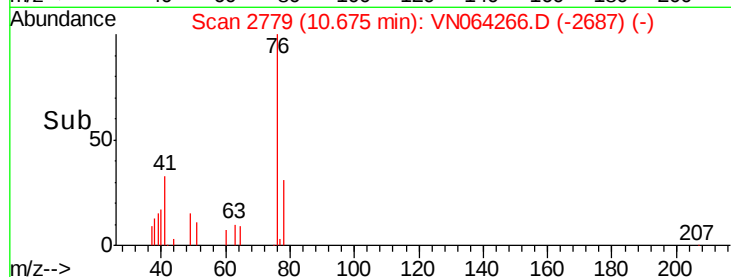
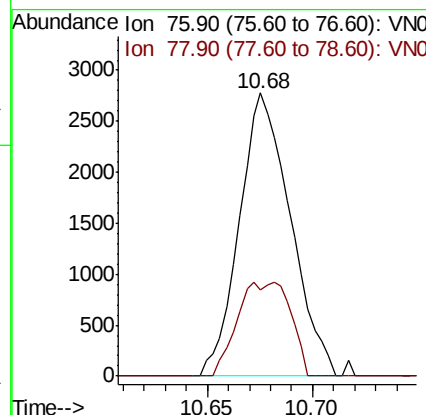
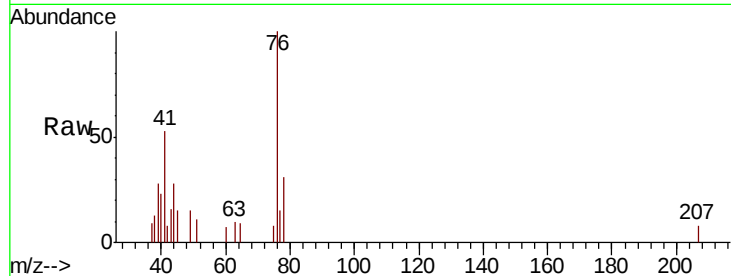




#57
 1,3-Dichloropropane
 Concen: 0.956 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

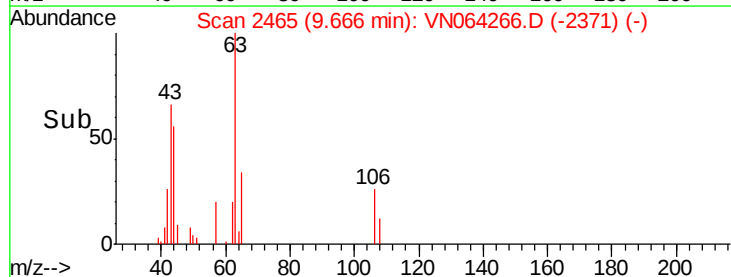
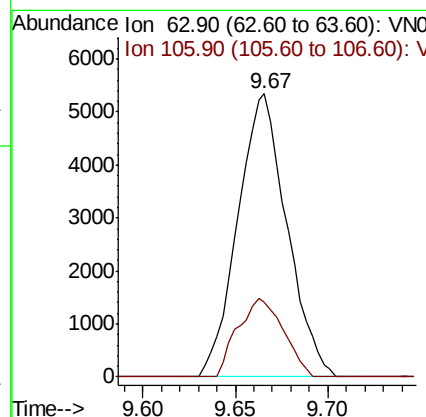
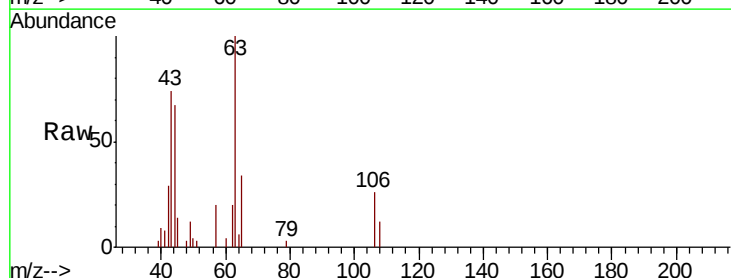
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

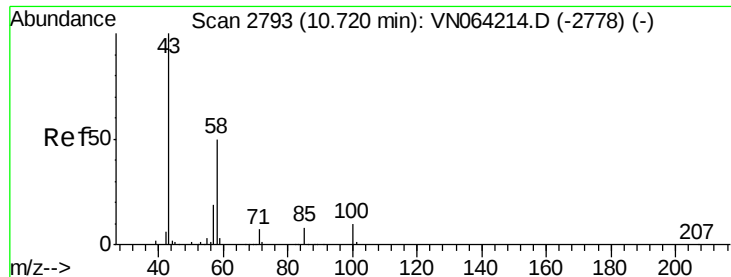
Tot Ion: 76 Resp: 4668
 Ion Ratio Lower Upper
 76 100
 78 17.0 26.2 39.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.382 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 63 Resp: 9808
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.3 31.9

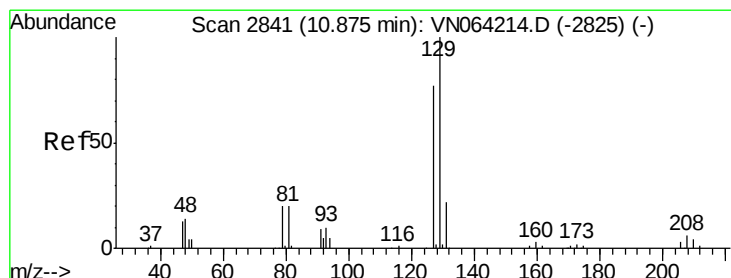
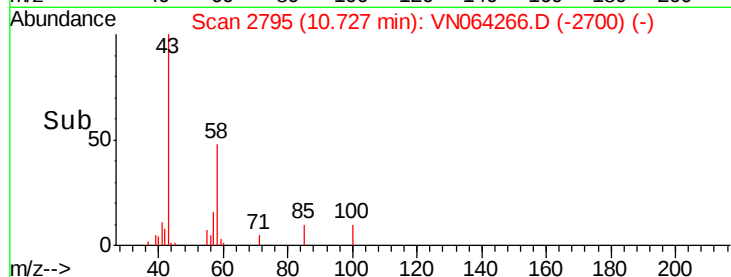
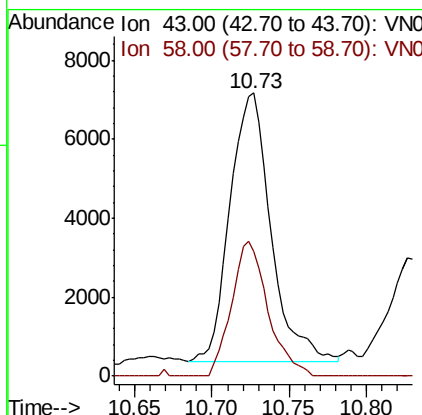
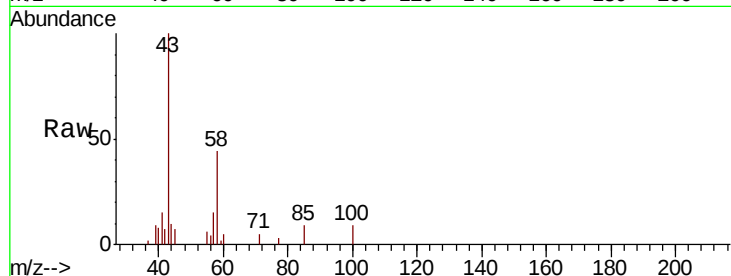




#59
2-Hexanone
Concen: 4.528 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

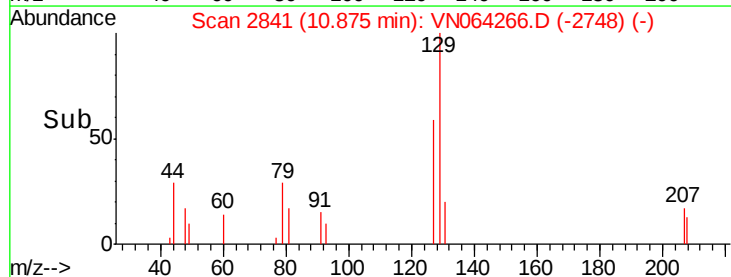
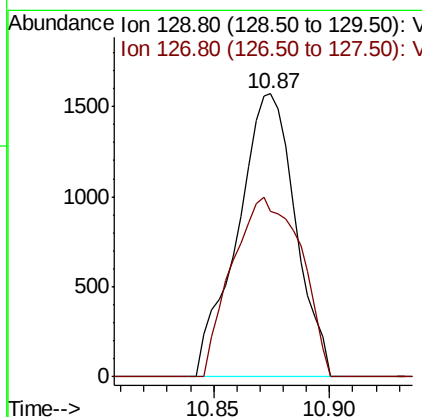
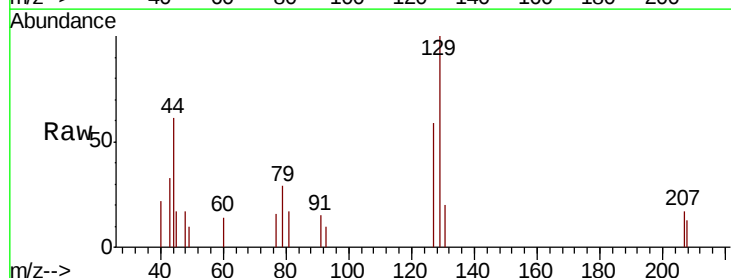
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

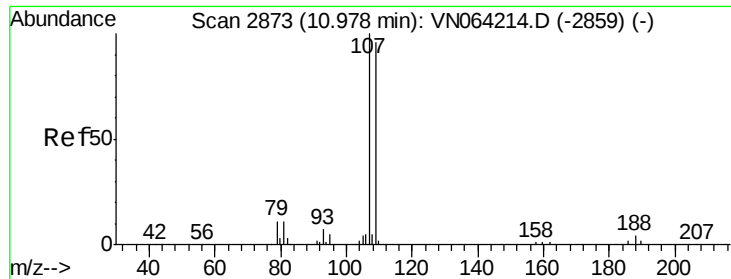
Tot Ion: 43 Resp: 12601
Ion Ratio Lower Upper
43 100
58 44.1 24.8 74.3



#60
Dibromochloromethane
Concen: 0.752 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 129 Resp: 2735
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.3

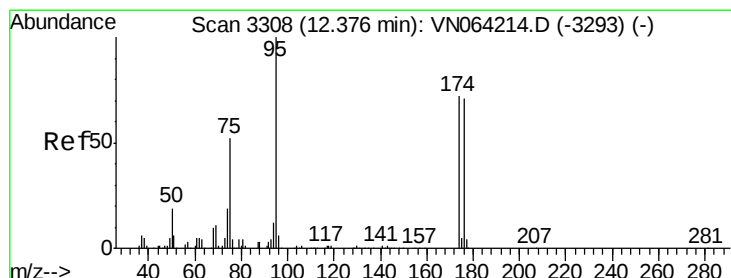
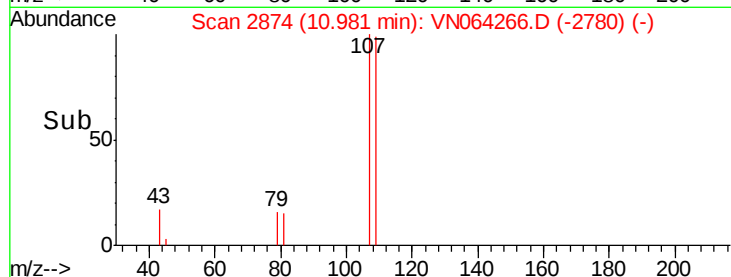
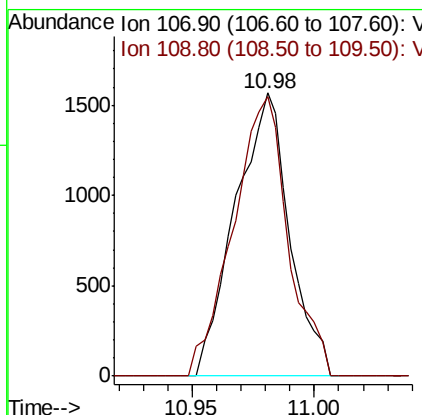
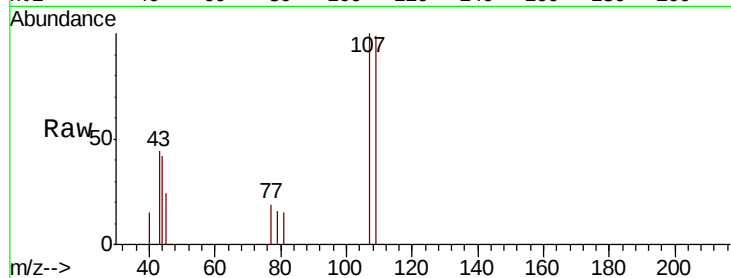




#61
 1,2-Dibromoethane
 Concen: 0.813 ug/l
 RT: 10.98 min Scan# 2874
 Delta R.T. 0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

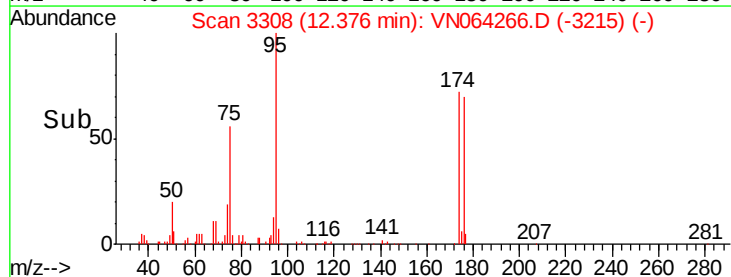
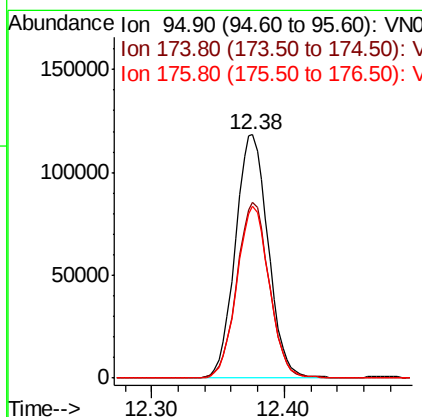
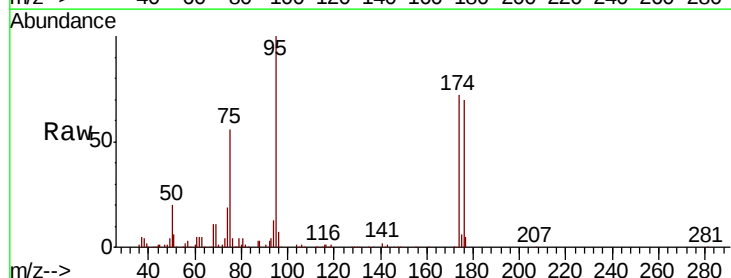
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

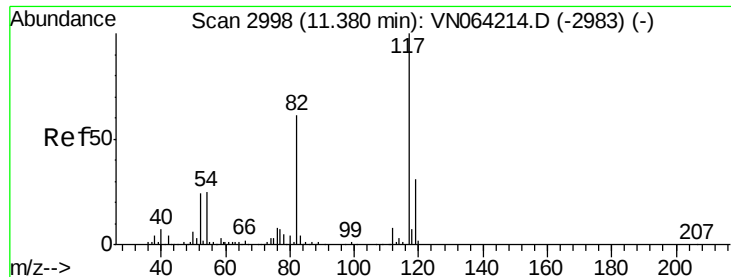
Tot Ion: 107 Resp: 2412
 Ion Ratio Lower Upper
 107 100
 109 100.1 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 49.224 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion: 95 Resp: 203409
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 144.4
 176 69.8 0.0 139.2

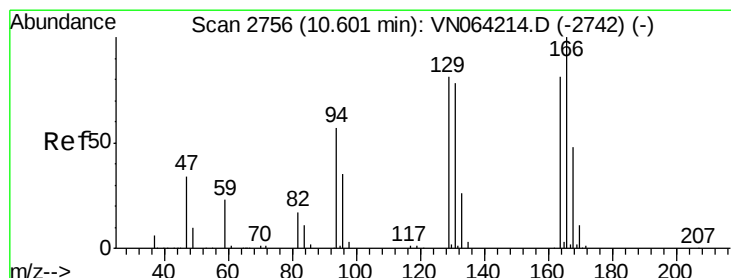
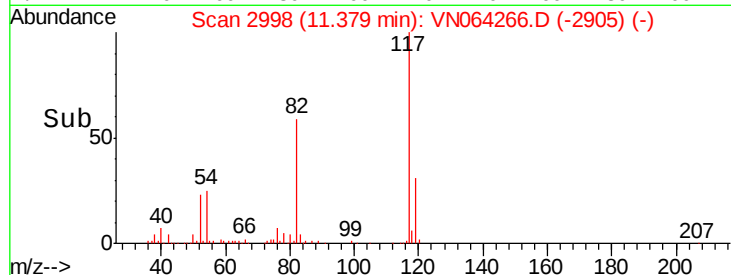
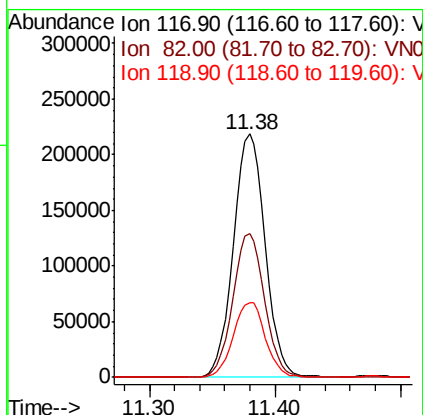
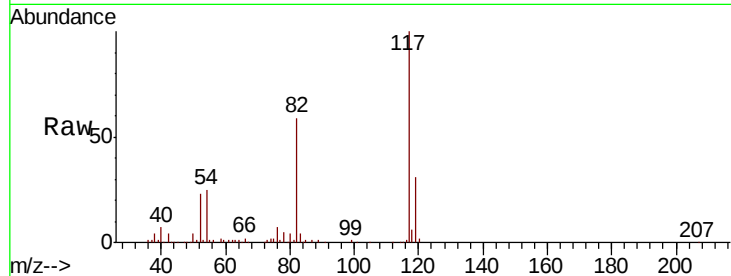




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

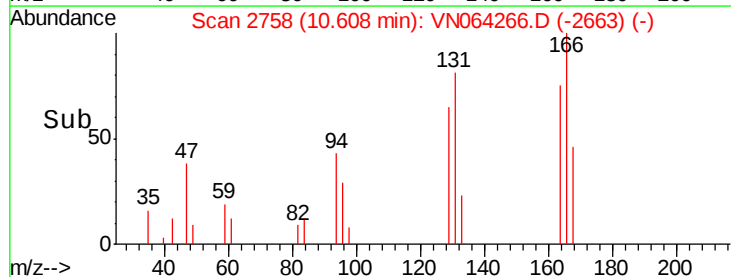
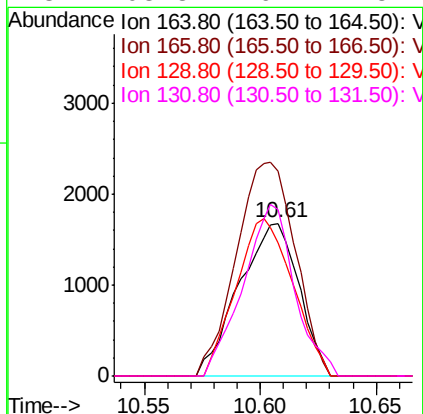
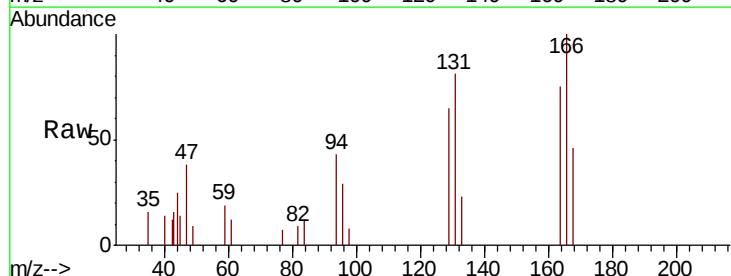
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

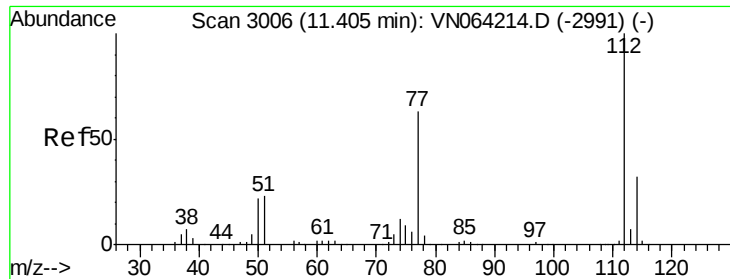
Tot Ion:117 Resp: 385519
Ion Ratio Lower Upper
117 100
82 59.0 48.8 73.2
119 30.9 24.7 37.1



#64
Tetrachloroethene
Concen: 0.969 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion:164 Resp: 3006
Ion Ratio Lower Upper
164 100
166 134.1 98.9 148.3
129 86.8 79.9 119.9
131 108.8 76.7 115.1

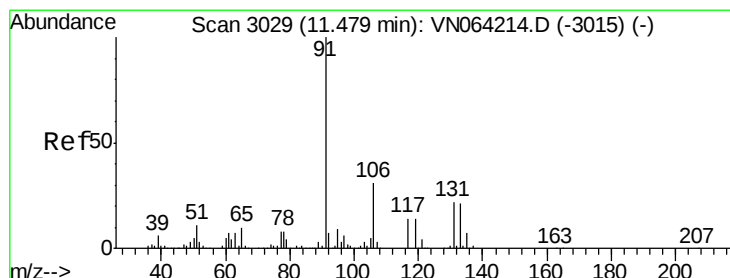
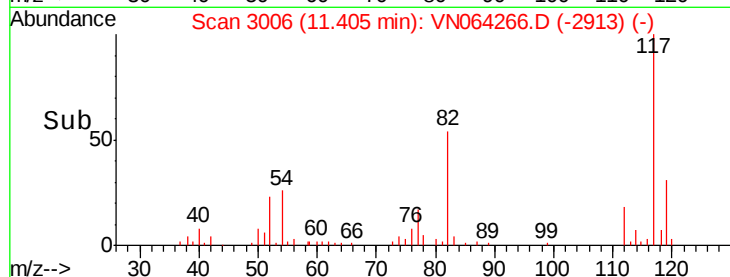
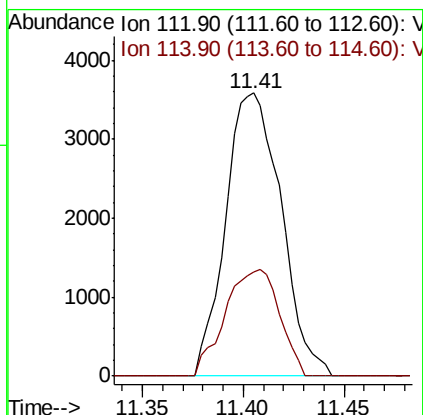
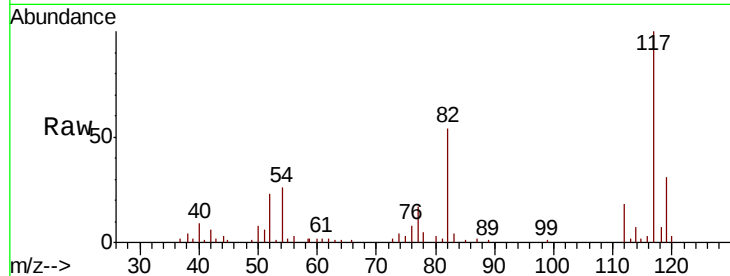




#65
Chlorobenzene
Concen: 0.864 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

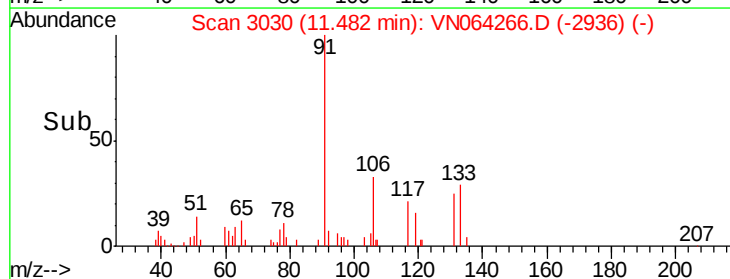
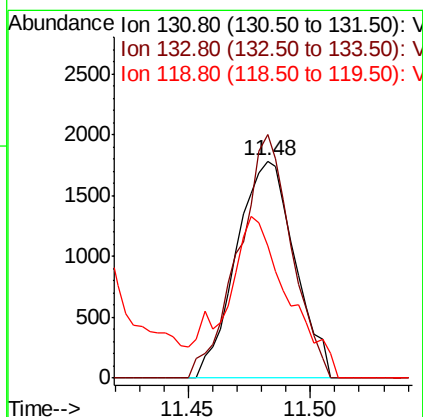
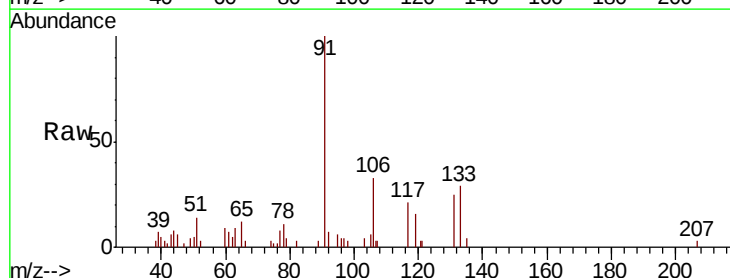
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

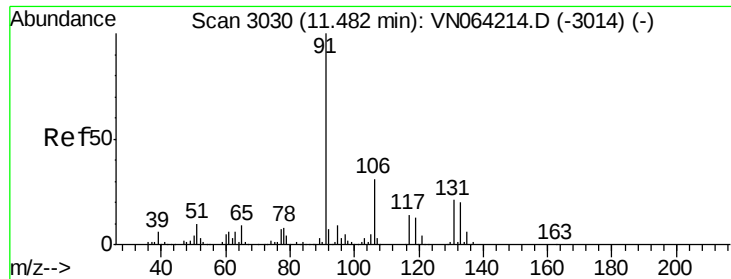
Tot Ion:112 Resp: 6895
Ion Ratio Lower Upper
112 100
114 36.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 0.934 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion:131 Resp: 2960
Ion Ratio Lower Upper
131 100
133 101.4 47.8 143.4
119 0.0 32.2 96.6#

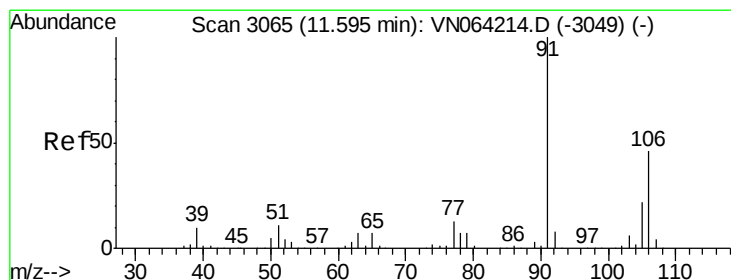
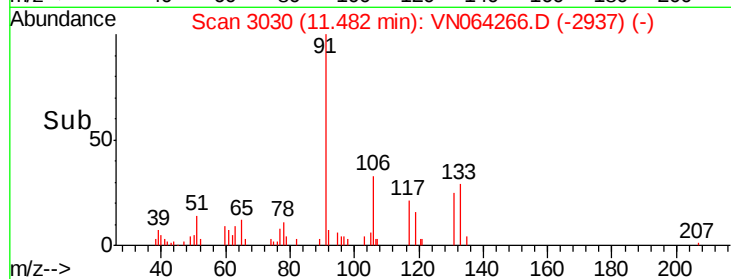
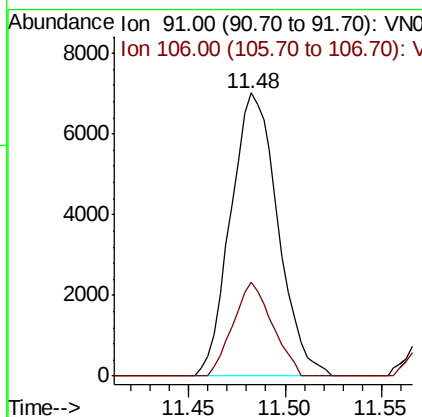
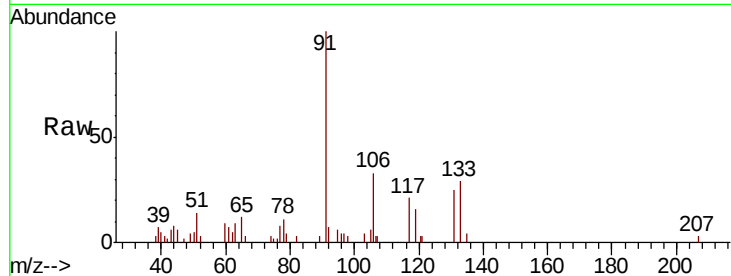




#67
Ethyl Benzene
Concen: 0.810 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

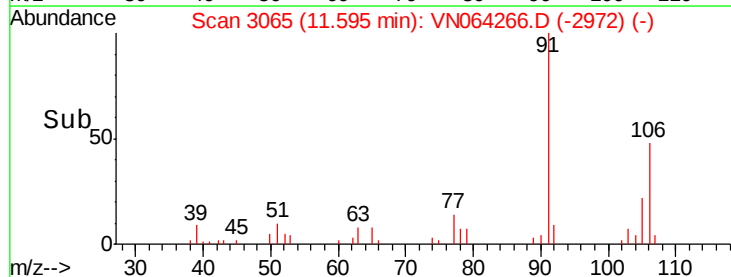
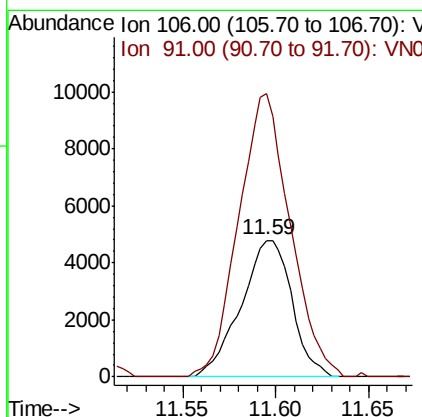
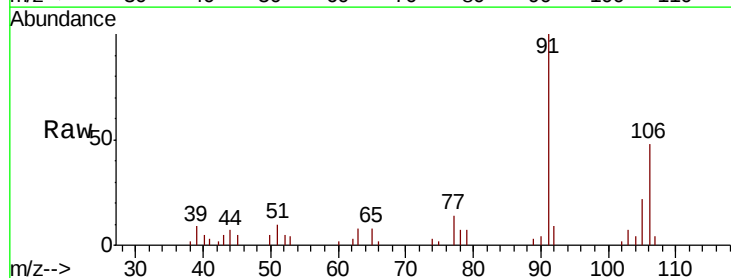
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

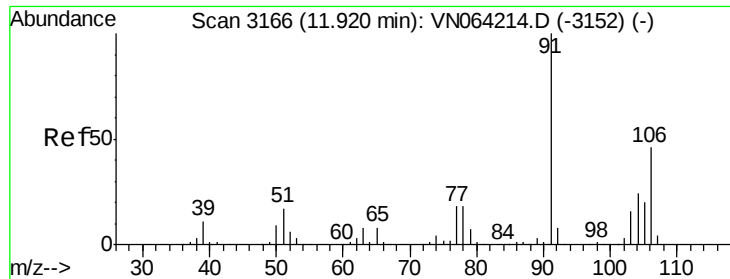
Tot Ion: 91 Resp: 11884
Ion Ratio Lower Upper
91 100
106 33.1 24.8 37.2



#68
m/p-Xylenes
Concen: 1.677 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 106 Resp: 9112
Ion Ratio Lower Upper
106 100
91 210.2 172.2 258.2

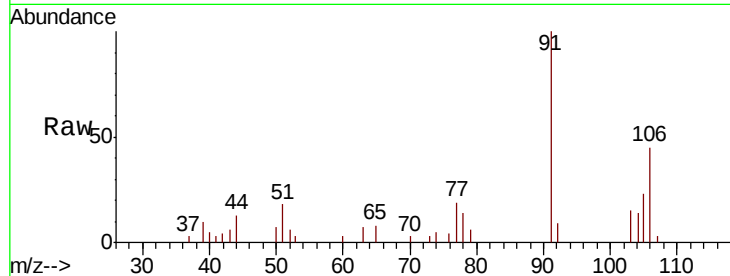




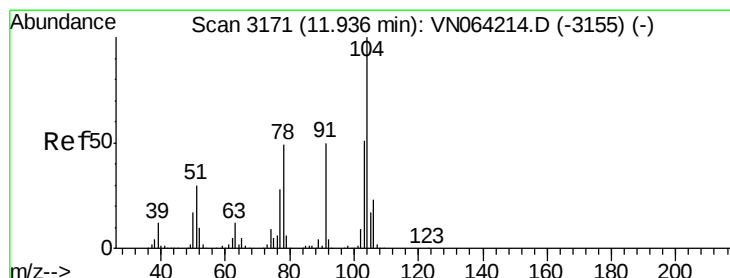
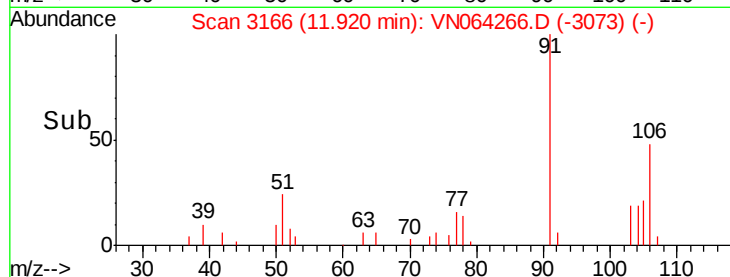
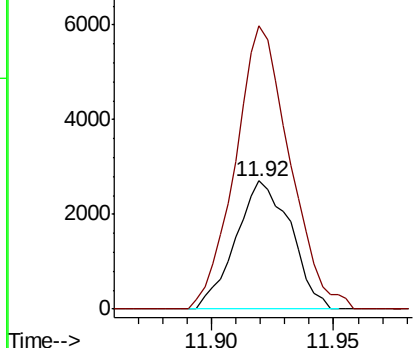
#69
o-Xylene
Concen: 0.805 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 4229
Ion Ratio Lower Upper
106 100
91 218.5 109.9 329.6

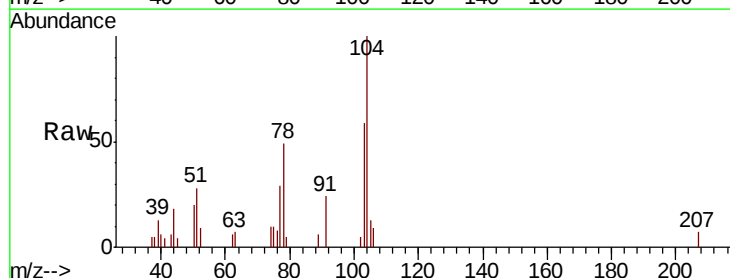


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

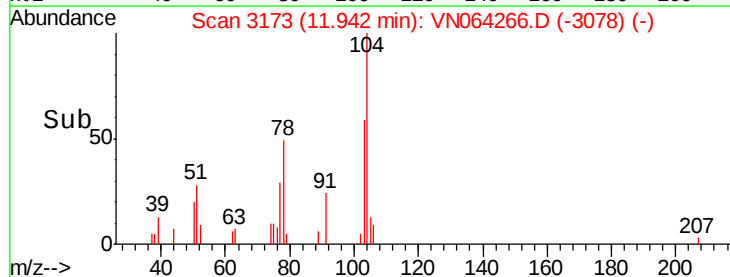
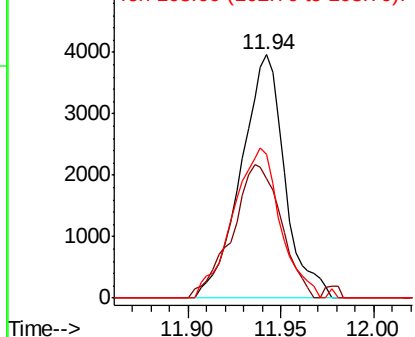


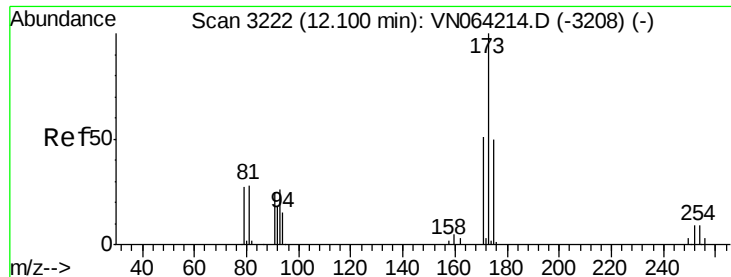
#70
Styrene
Concen: 0.741 ug/l
RT: 11.94 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion:104 Resp: 6531
Ion Ratio Lower Upper
104 100
78 61.1 43.8 65.6
103 66.4 43.4 65.2#



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





#71

Bromoform

Concen: 0.765 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

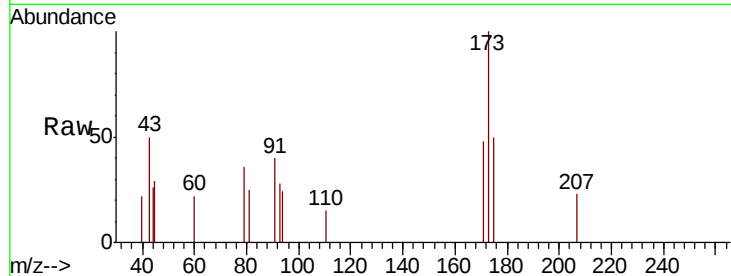
Tot Ion:173 Resp: 1871

Ion Ratio Lower Upper

173 100

175 47.0 25.1 75.3

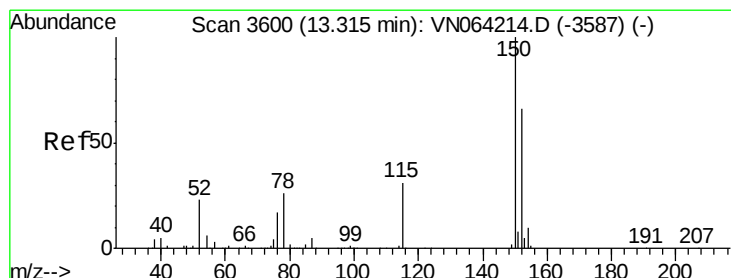
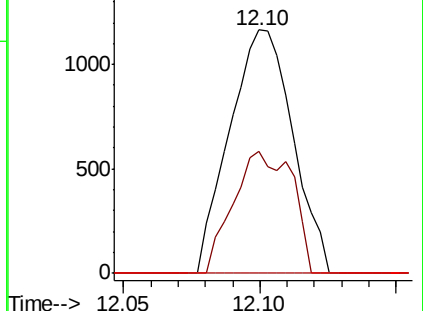
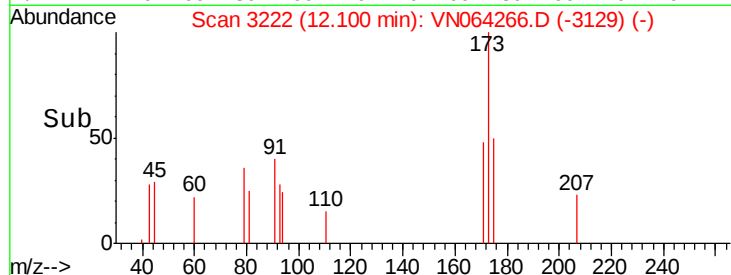
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

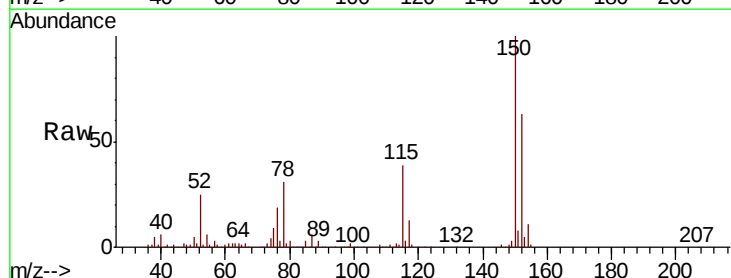
Tgt Ion:152 Resp: 164769

Ion Ratio Lower Upper

152 100

115 62.8 32.0 96.2

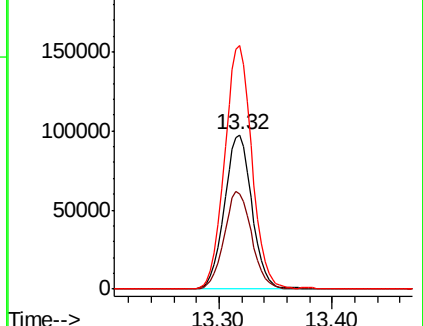
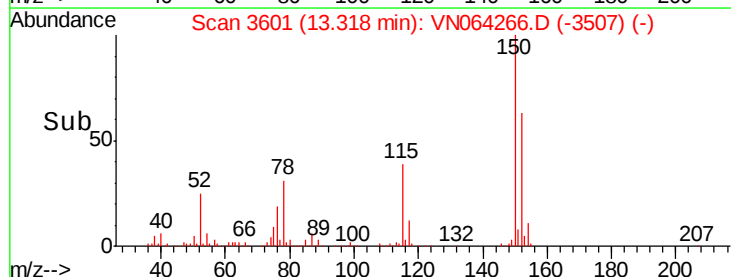
150 156.1 0.0 356.6

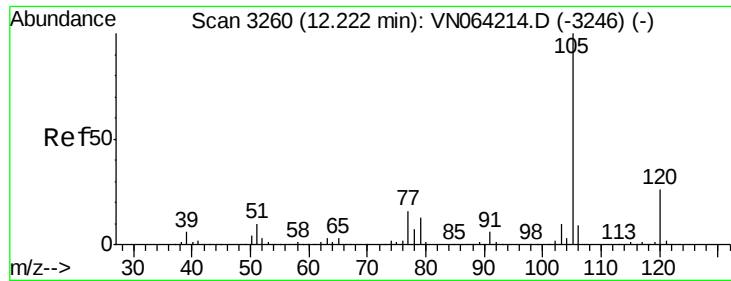


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.940 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

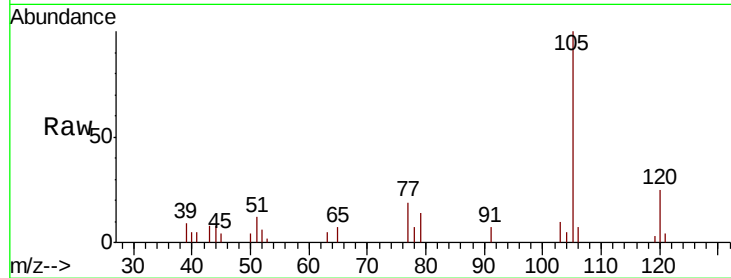
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 11812

Ion Ratio Lower Upper

105 100

120 24.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

8000

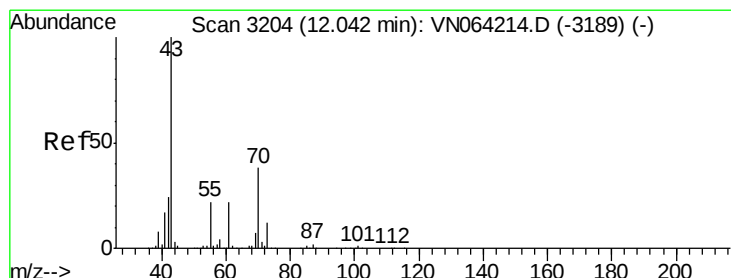
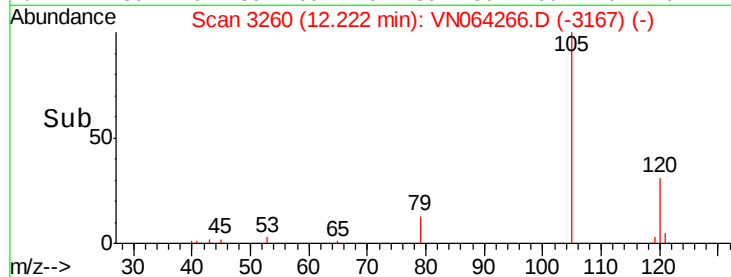
6000

4000

2000

0

Time--> 12.15 12.20 12.25



#74

N-ethyl acetate

Concen: 0.799 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Tgt Ion: 43 Resp: 4340

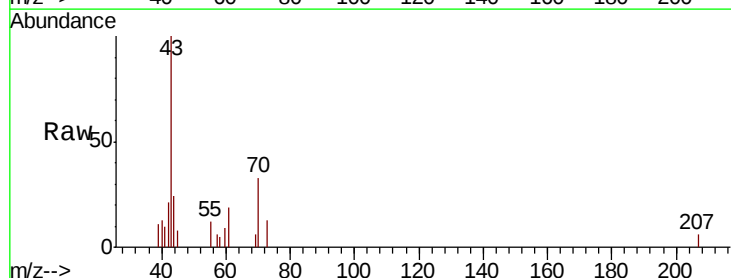
Ion Ratio Lower Upper

43 100

70 37.3 30.2 45.4

55 6.8 18.0 27.0#

61 22.3 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

5000

4000

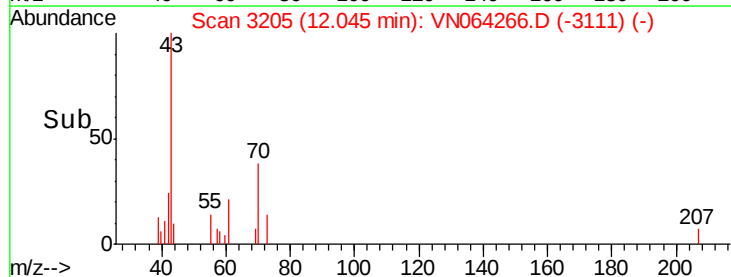
3000

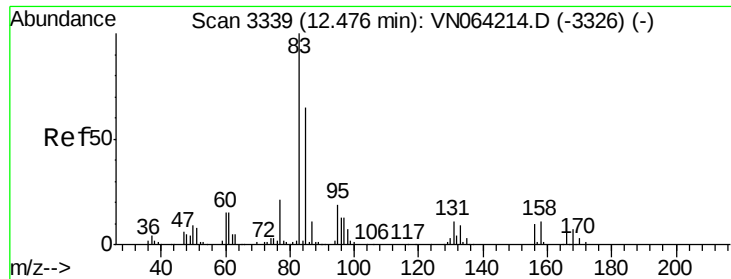
2000

1000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 0.893 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

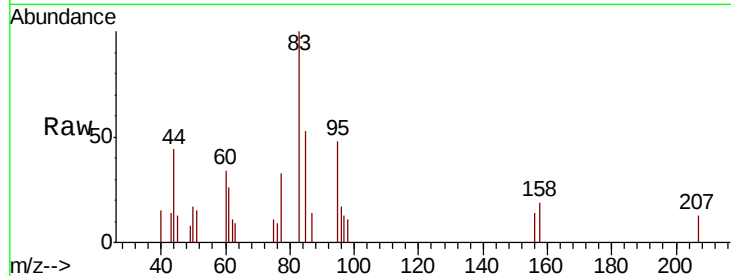
Tot Ion: 83 Resp: 2977

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

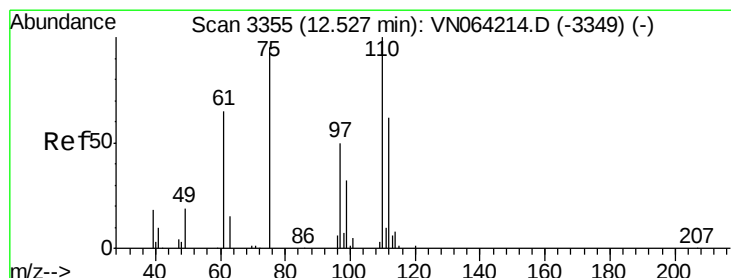
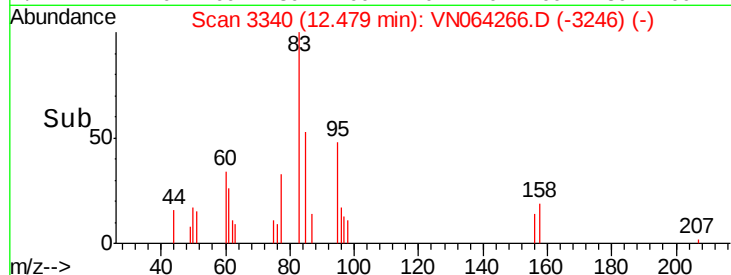
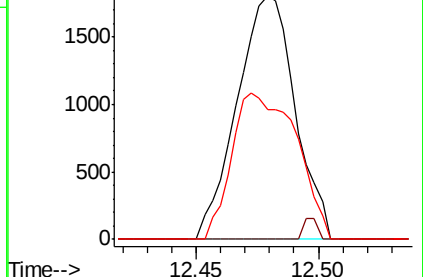
85 67.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN064266.D (-3340) (-)

Ion 130.80 (130.50 to 131.50): VN064266.D (-3340) (-)

Ion 84.90 (84.60 to 85.60): VN064266.D (-3340) (-)



#76

1,2,3-Trichloropropane

Concen: 1.444 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064266.D

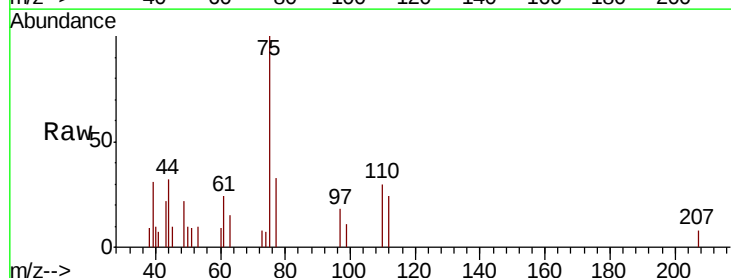
Acq: 22 Oct 2020 21:39

Tgt Ion: 75 Resp: 5016

Ion Ratio Lower Upper

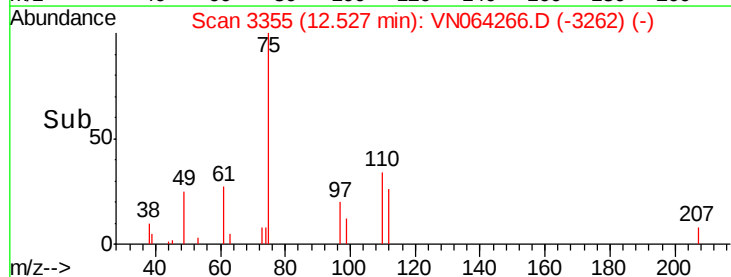
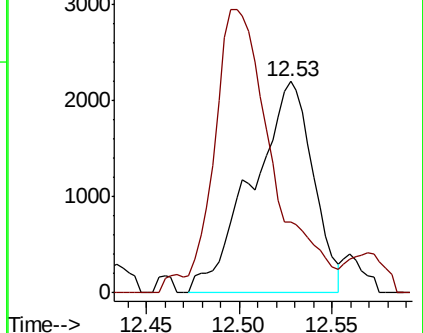
75 100

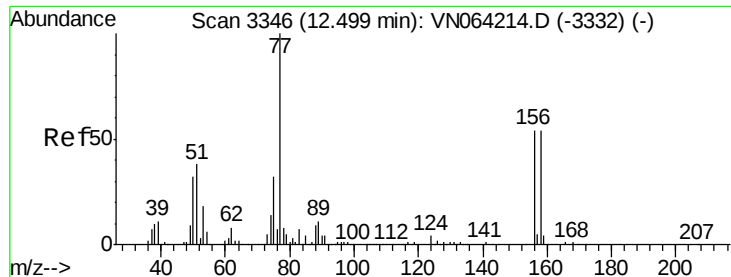
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064266.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN064266.D (-3355) (-)





#77

Bromobenzene

Concen: 0.935 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

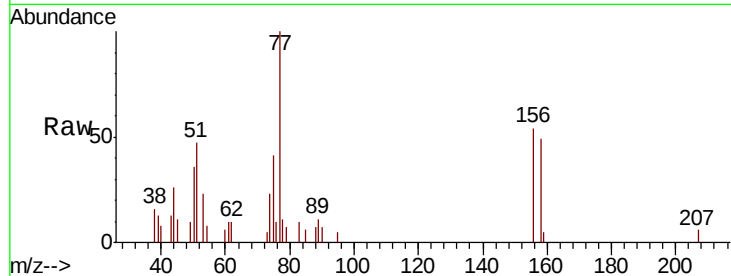
Tot Ion:156 Resp: 2775

Ion Ratio Lower Upper

156 100

77 235.2 111.1 333.4

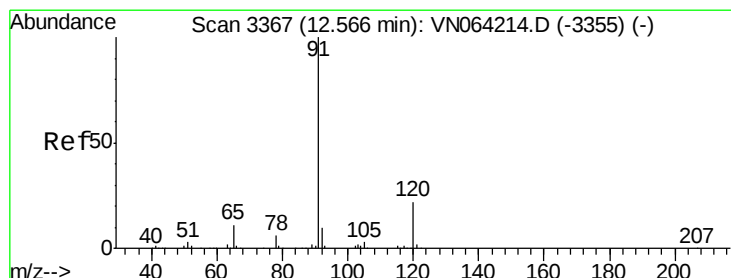
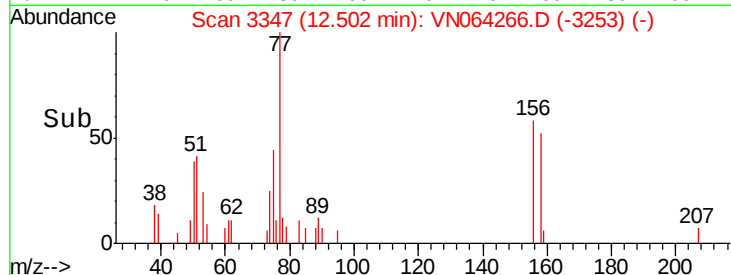
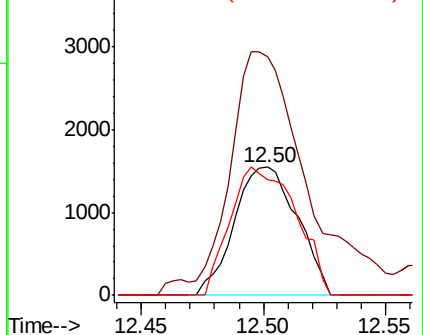
158 104.6 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.870 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN064266.D

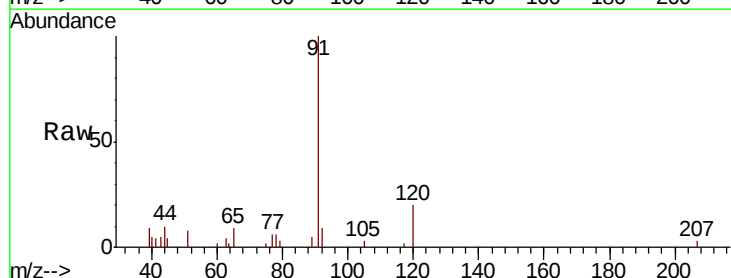
Acq: 22 Oct 2020 21:39

Tgt Ion: 91 Resp: 12324

Ion Ratio Lower Upper

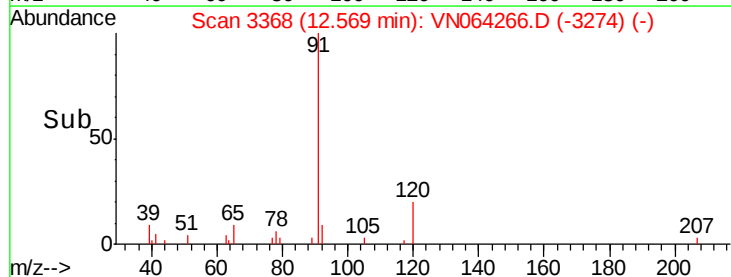
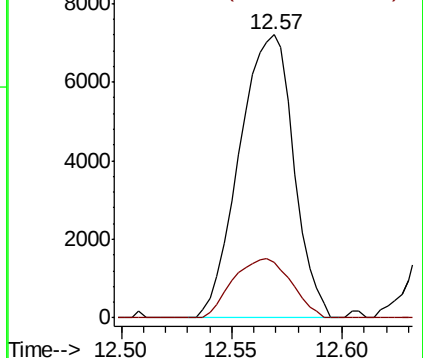
91 100

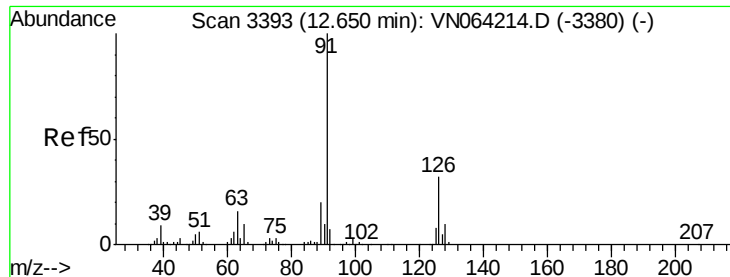
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.969 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

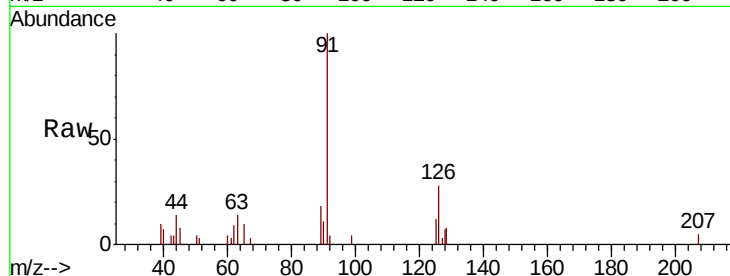
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 8437

Ion Ratio Lower Upper

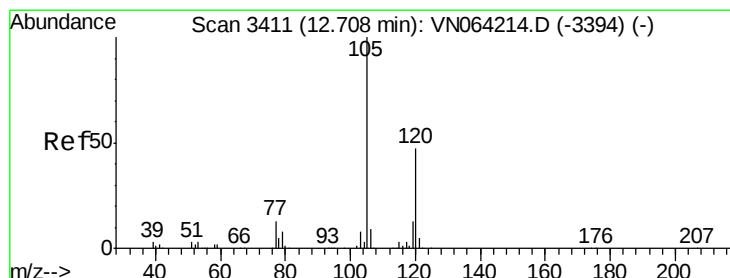
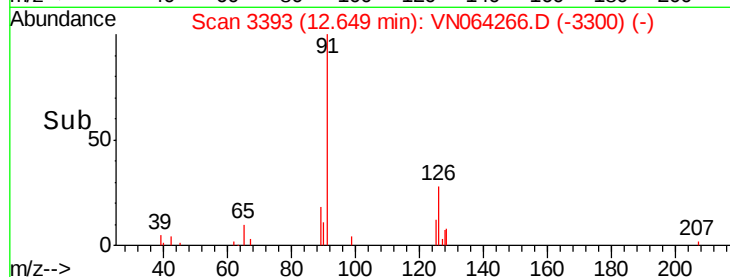
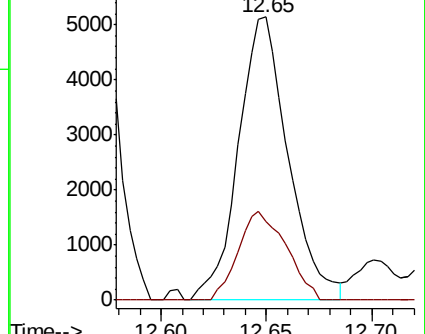
91 100

126 30.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.857 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN064266.D

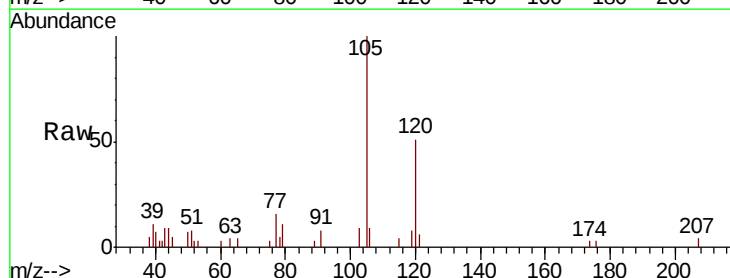
Acq: 22 Oct 2020 21:39

Tgt Ion:105 Resp: 9100

Ion Ratio Lower Upper

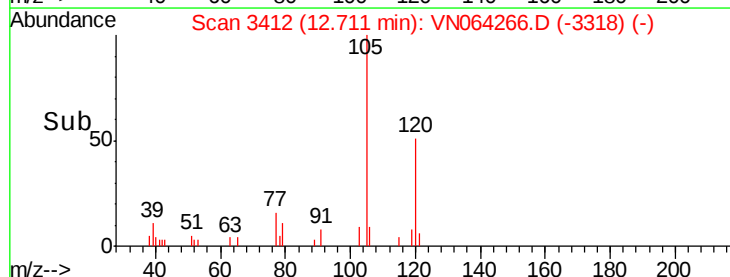
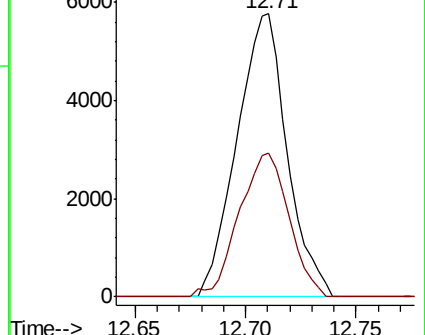
105 100

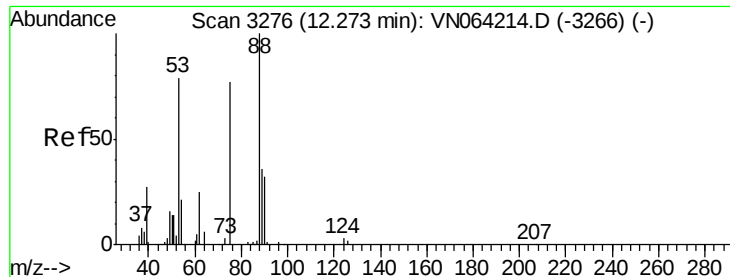
120 50.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN064214.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 81.700 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

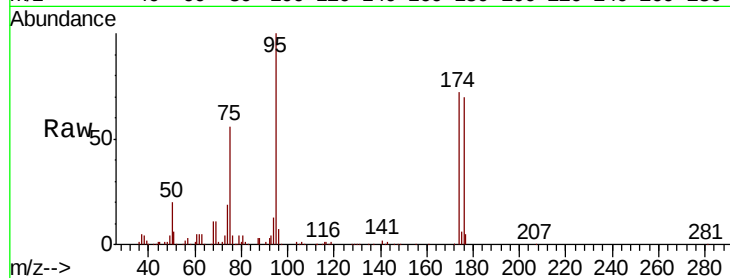
Tot Ion: 75 Resp: 112406

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

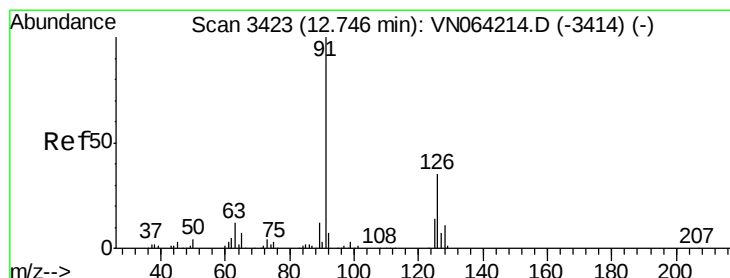
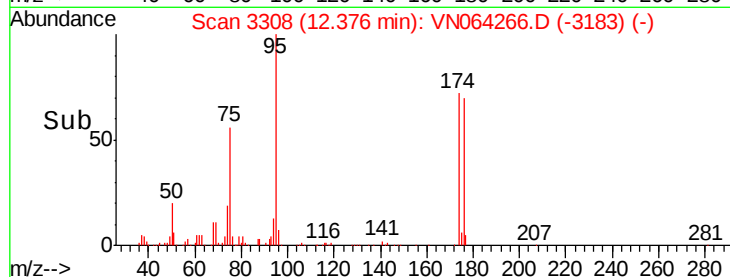
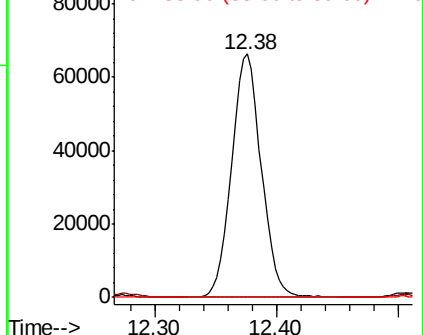
89 0.1 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.997 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064266.D

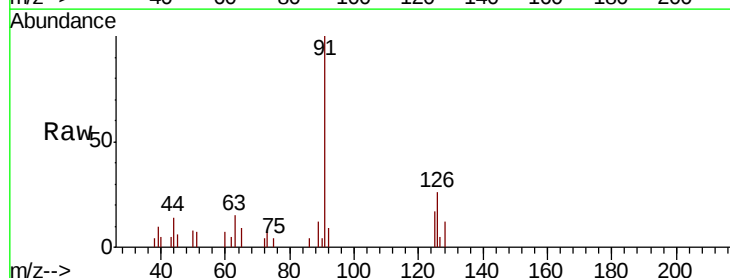
Acq: 22 Oct 2020 21:39

Tgt Ion: 91 Resp: 9048

Ion Ratio Lower Upper

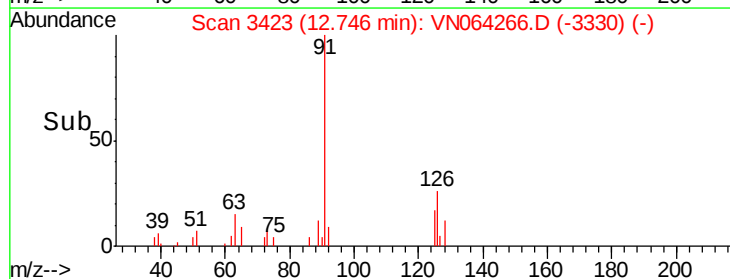
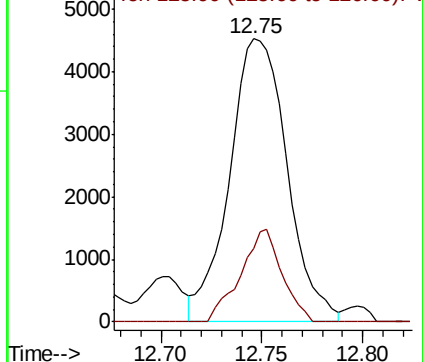
91 100

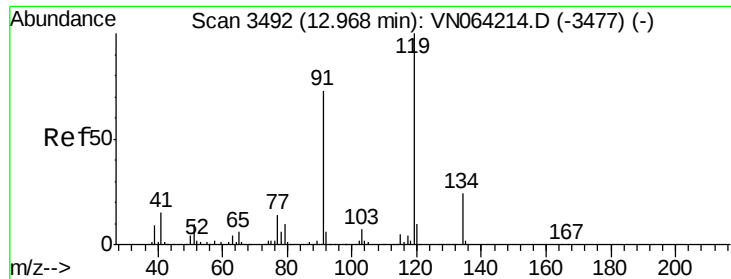
126 23.6 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

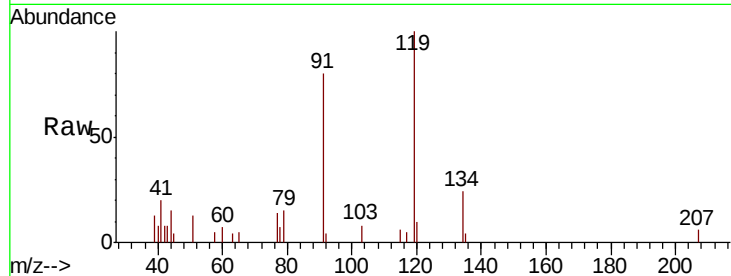




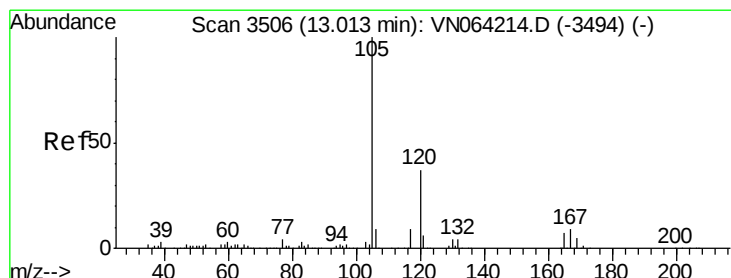
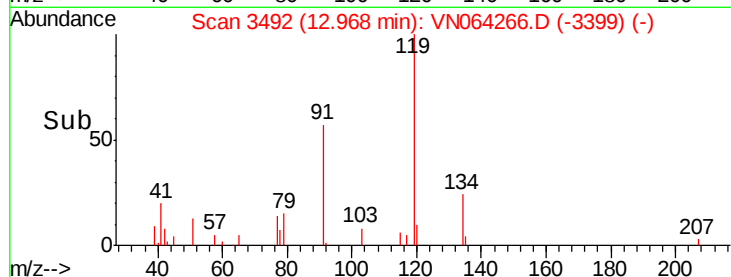
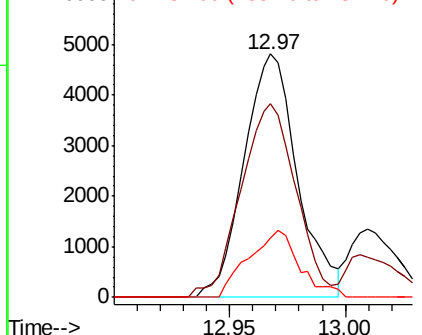
#83
tert-Butylbenzene
Concen: 0.888 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:119 Resp: 7737
Ion Ratio Lower Upper
119 100
91 81.2 35.1 105.3
134 26.0 11.6 34.8

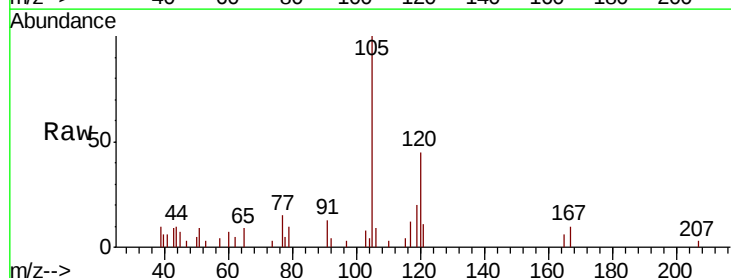


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

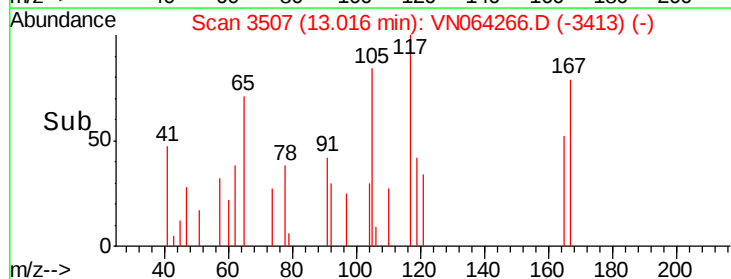
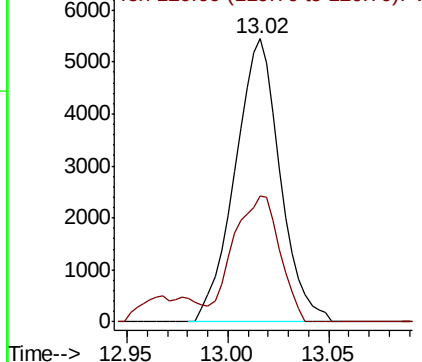


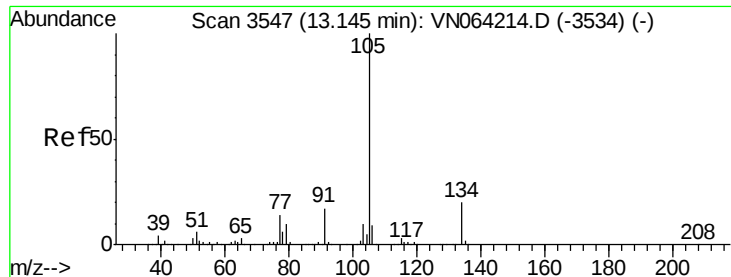
#84
1,2,4-Trimethylbenzene
Concen: 0.806 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion:105 Resp: 8519
Ion Ratio Lower Upper
105 100
120 45.8 21.5 64.5



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

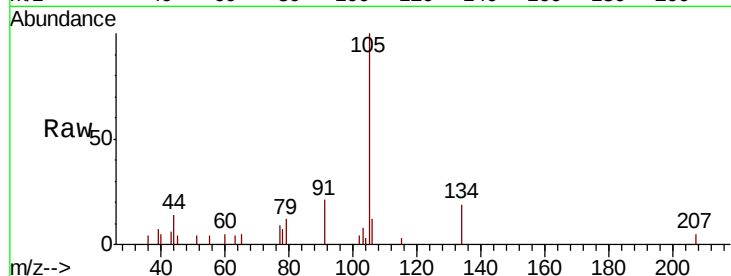




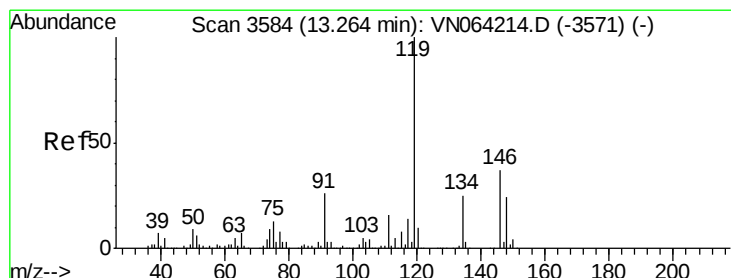
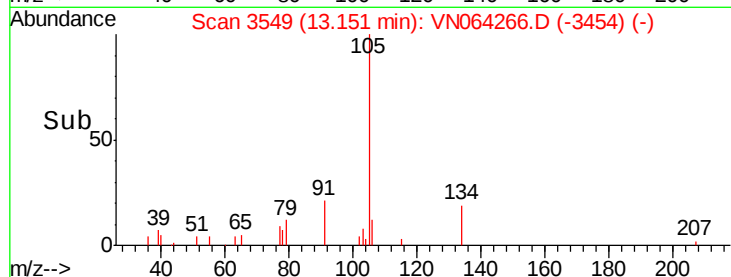
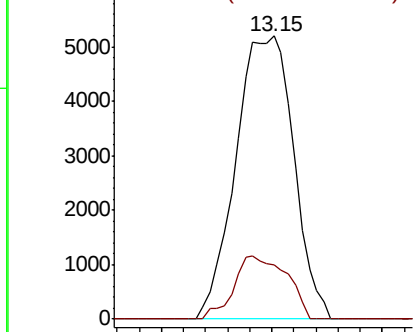
#85
 sec-Butylbenzene
 Concen: 0.859 ug/l
 RT: 13.15 min Scan# 3549
 Delta R.T. 0.01 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 9432
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1

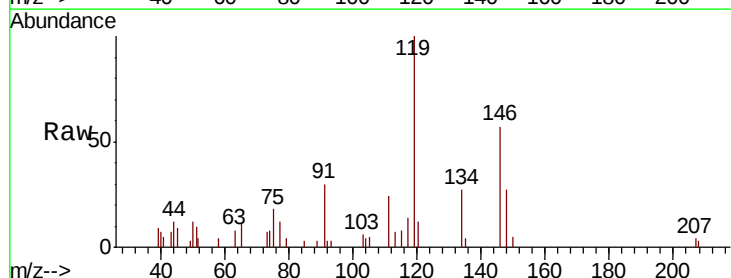


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

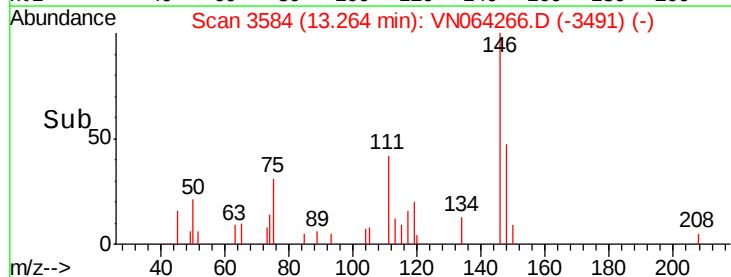
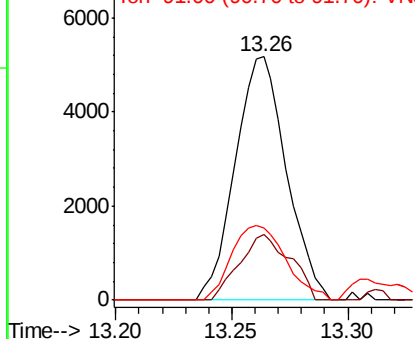


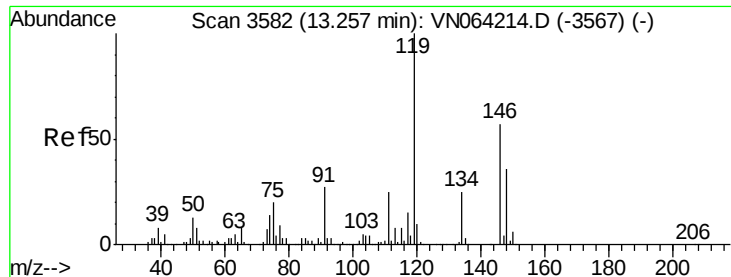
#86
 p-Isopropyltoluene
 Concen: 0.793 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion:119 Resp: 7928
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.3
 91 32.3 13.4 40.2



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

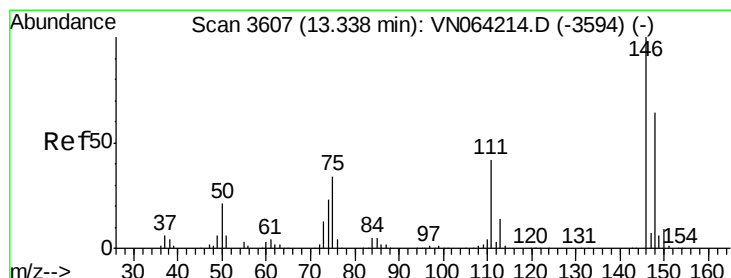
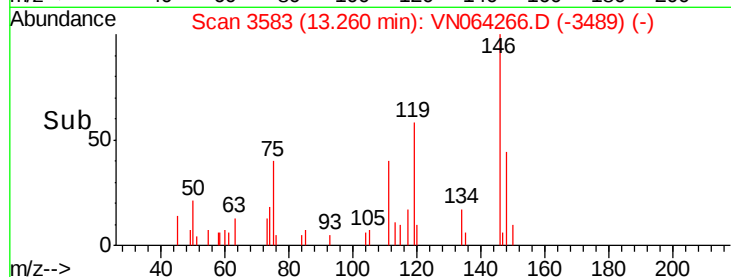
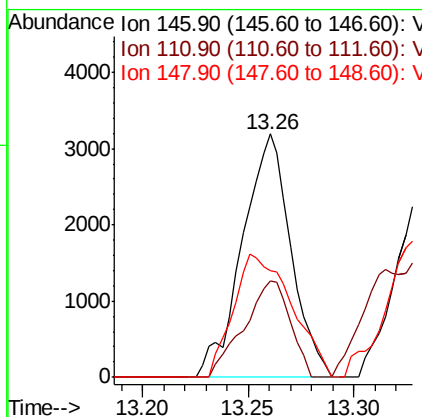
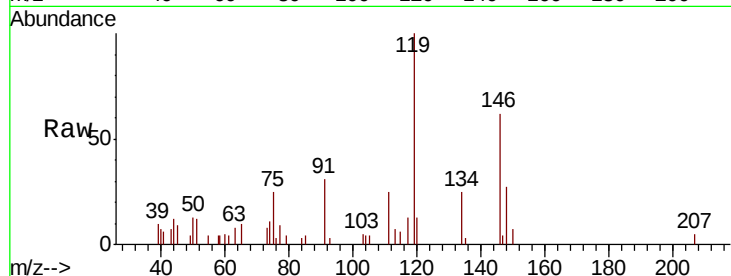




#87
 1,3-Dichlorobenzene
 Concen: 0.965 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

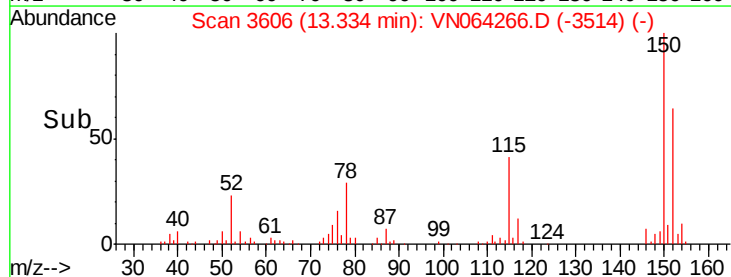
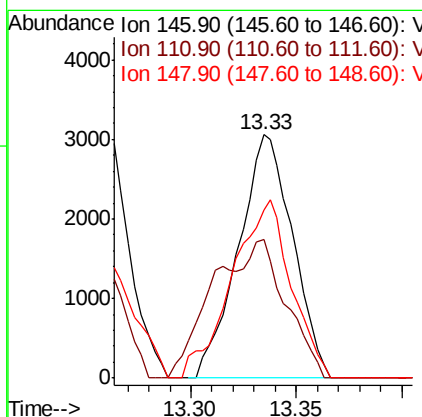
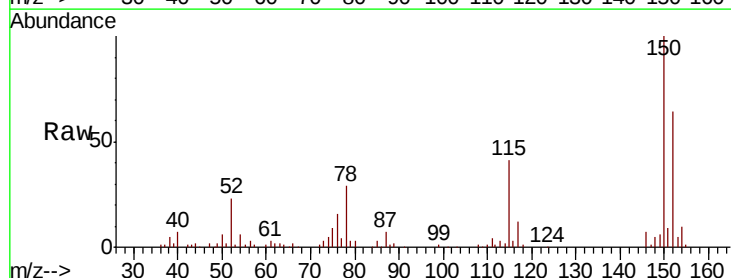
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

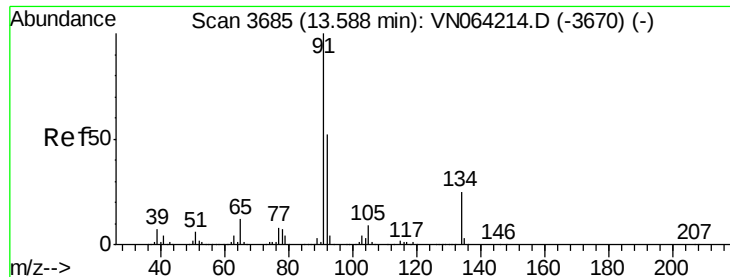
Tot Ion:146 Resp: 5095
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.6 65.0
 148 60.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 1.011 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion:146 Resp: 5461
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.5 64.5
 148 79.8 32.0 96.0

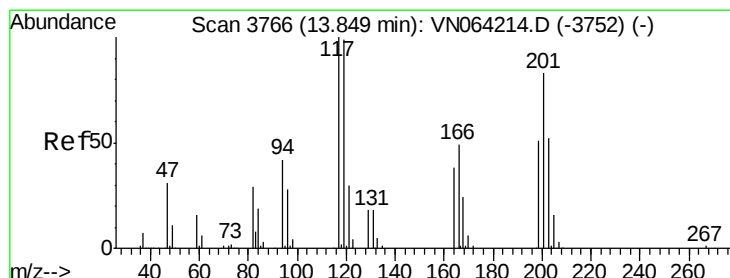
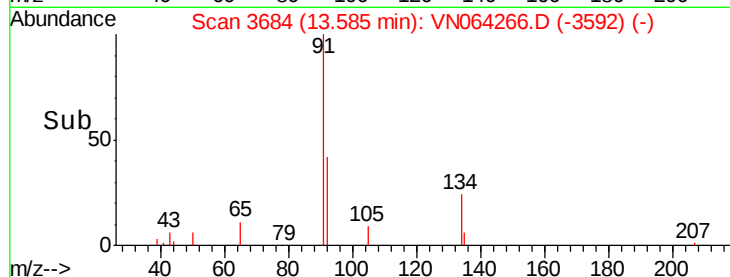
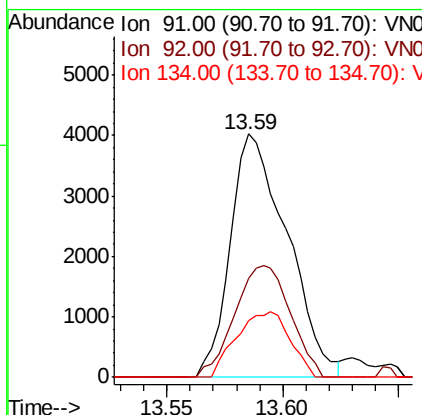
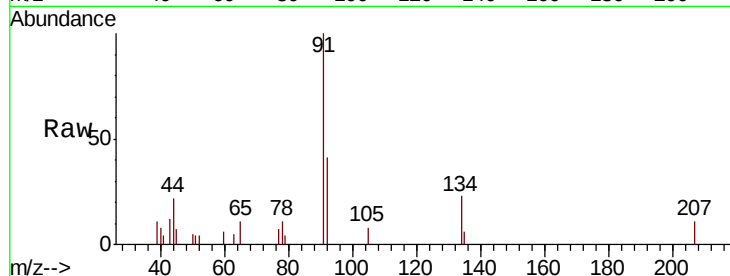




#89
n-Butylbenzene
Concen: 0.765 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

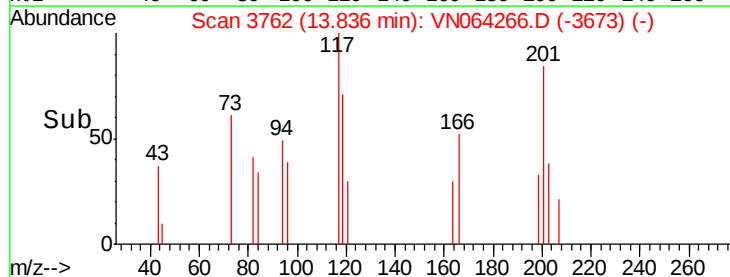
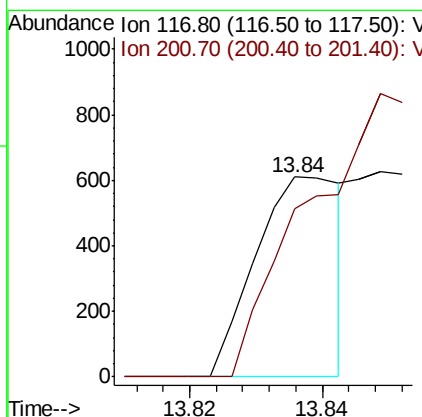
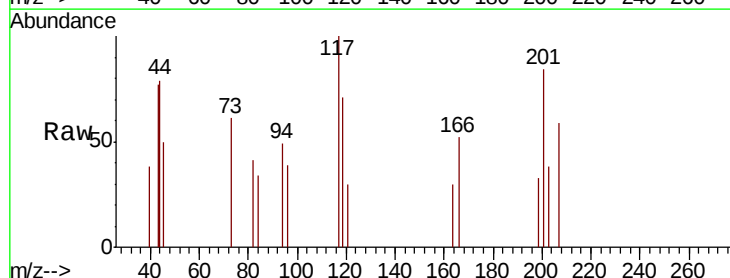
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

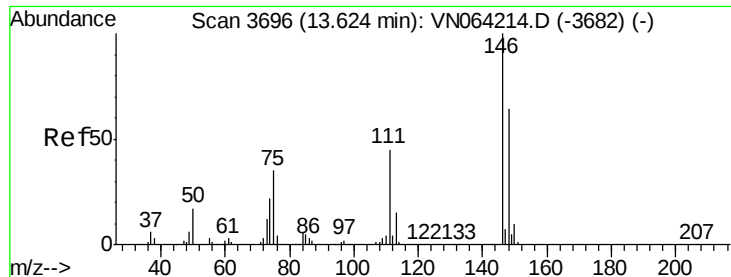
Tot Ion: 91 Resp: 6859
Ion Ratio Lower Upper
91 100
92 44.8 25.7 77.0
134 25.4 12.3 36.8



#90
Hexachloroethane
Concen: 0.303 ug/l
RT: 13.84 min Scan# 3762
Delta R.T. -0.01 min
Lab File: VN064266.D
Acq: 22 Oct 2020 21:39

Tgt Ion: 117 Resp: 548
Ion Ratio Lower Upper
117 100
201 218.4 40.1 120.3#





#91

1,2-Dichlorobenzene

Concen: 0.902 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

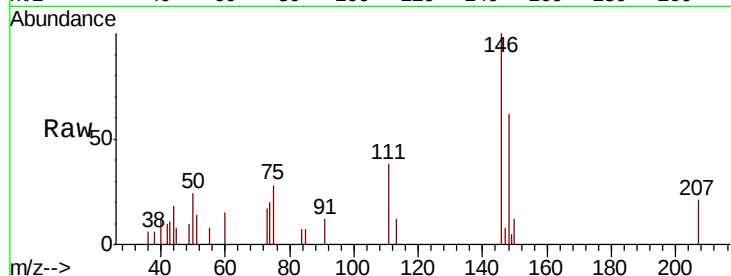
Tot Ion:146 Resp: 4673

Ion Ratio Lower Upper

146 100

111 46.9 22.9 68.7

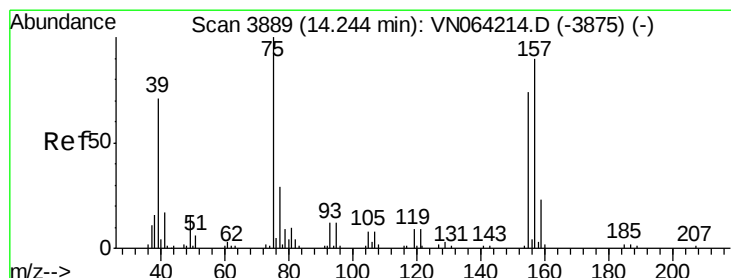
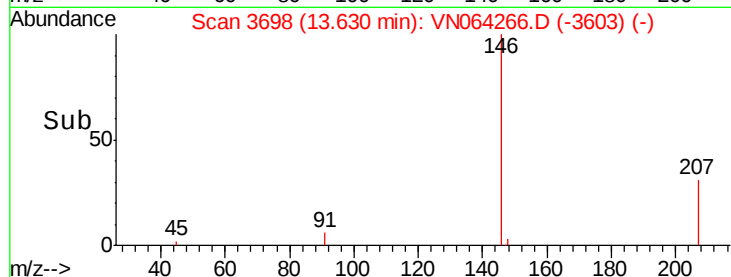
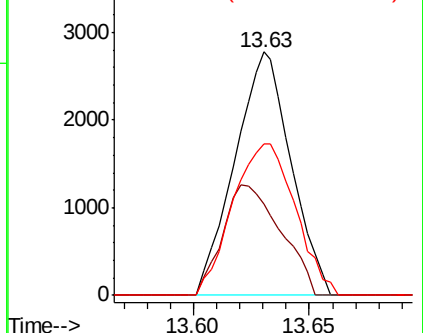
148 69.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.827 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

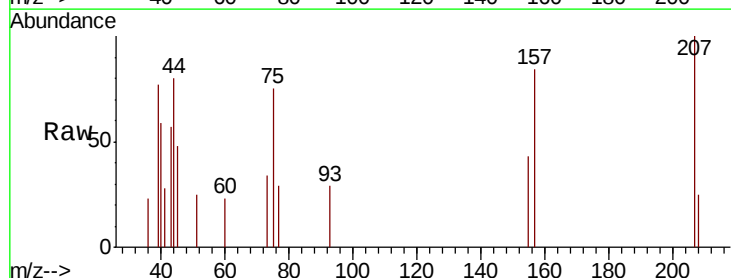
Tgt Ion: 75 Resp: 688

Ion Ratio Lower Upper

75 100

155 53.3 36.9 110.7

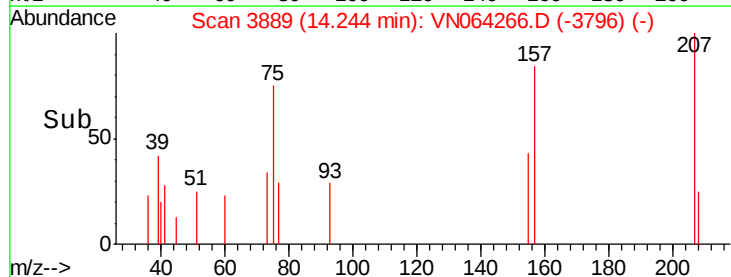
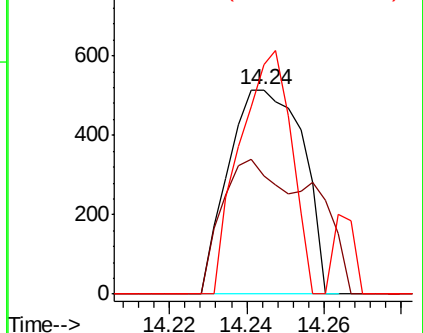
157 82.3 44.6 133.8

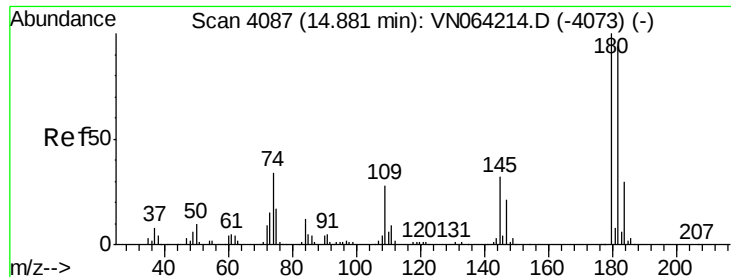


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

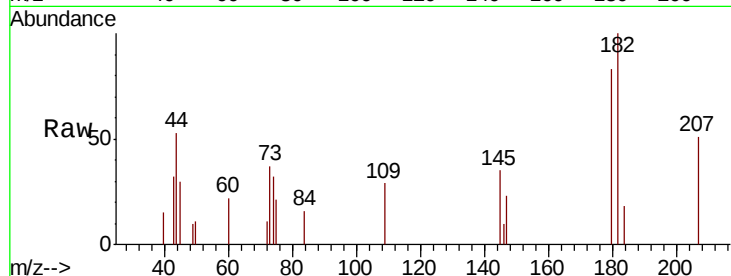




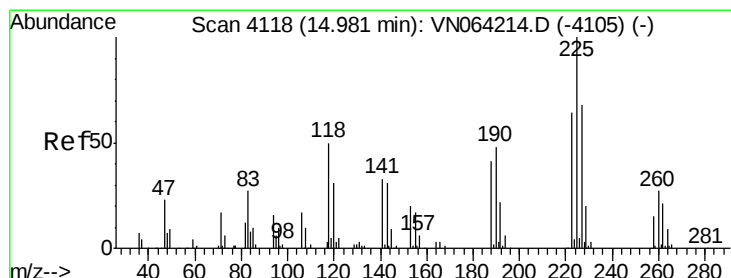
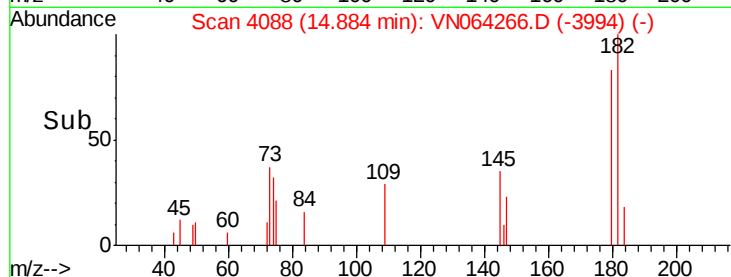
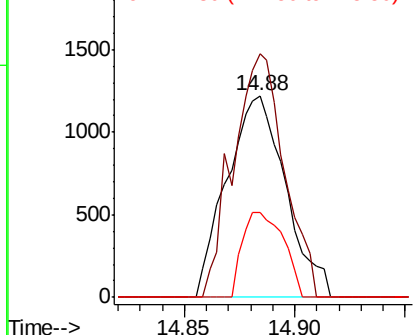
#93
 1,2,4-Trichlorobenzene
 Concen: 0.780 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:180 Resp: 2265
 Ion Ratio Lower Upper
 180 100
 182 104.9 46.9 140.7
 145 29.4 16.1 48.3

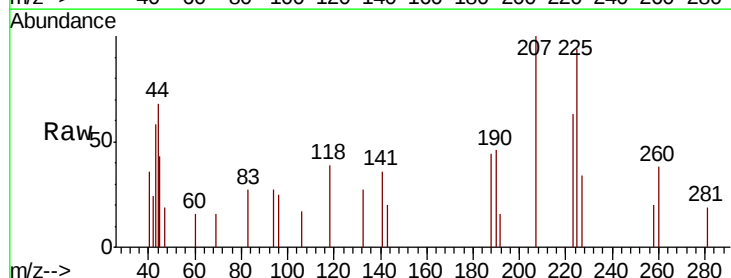


Abundance Ion 179.80 (179.50 to 180.50): V
 2000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

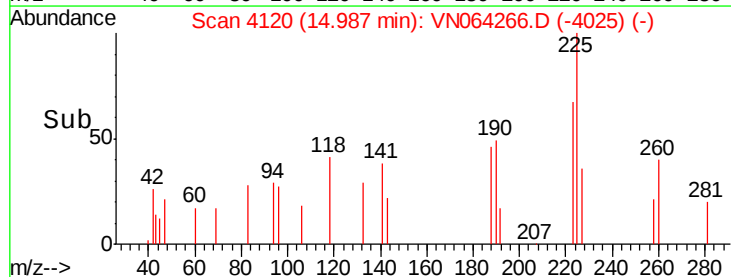
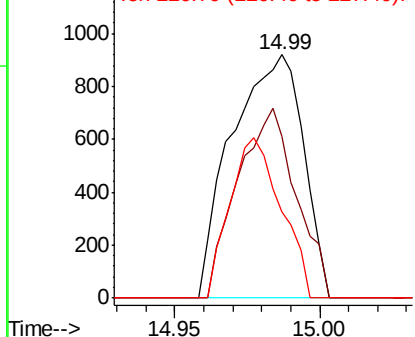


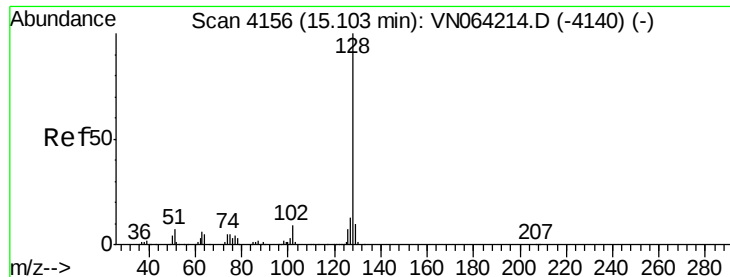
#94
 Hexachlorobutadiene
 Concen: 1.003 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN064266.D
 Acq: 22 Oct 2020 21:39

Tgt Ion:225 Resp: 1572
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.5 94.5
 227 47.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 1200 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.714 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

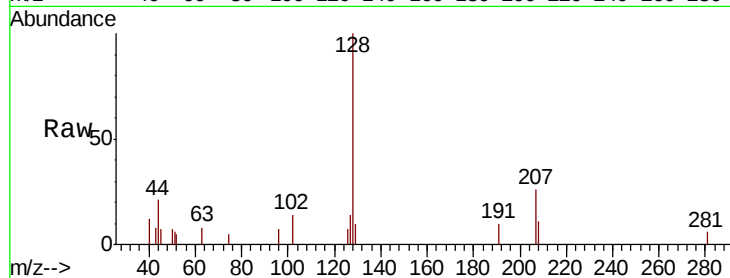
Tot Ion:128 Resp: 6207

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

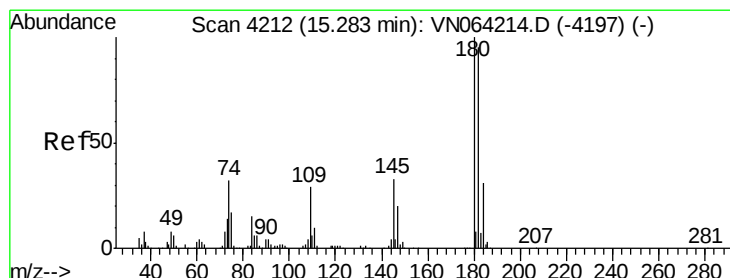
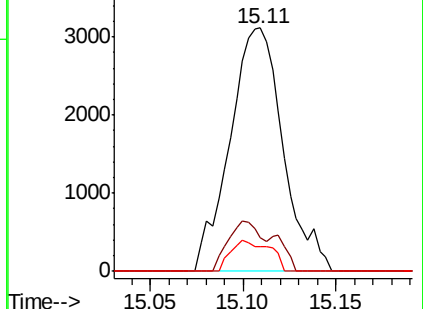
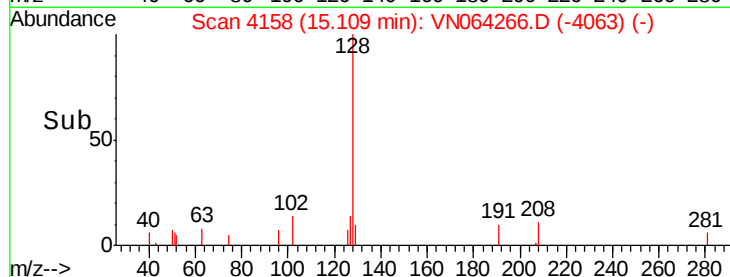
129 9.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.786 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064266.D

Acq: 22 Oct 2020 21:39

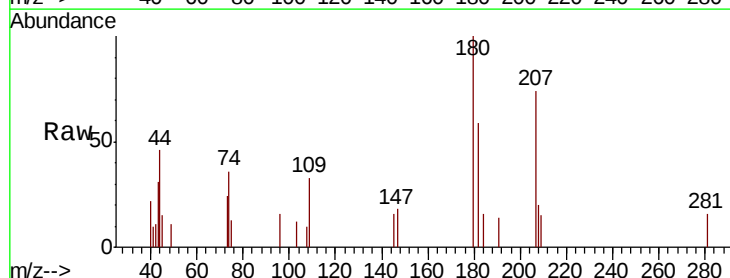
Tgt Ion:180 Resp: 2260

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.2#

145 17.0 17.1 51.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

