

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056584.D
 Acq On : 3 Jul 2019 13:25
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 03 22:21:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49168	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	268764	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	225401	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105060	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.40	95	92894	26.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.40%
63) Toluene-d8	10.09	98	326218	31.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	5584	2.265 ug/l	95
3) Chloromethane	2.06	50	9077	2.536 ug/l	99
4) Vinyl Chloride	2.18	62	8422	2.501 ug/l	99
5) Bromomethane	2.53	94	5773	3.212 ug/l	98
6) Chloroethane	2.69	64	4510	2.418 ug/l	98
7) Trichlorofluoromethane	3.00	101	11417	2.641 ug/l	93
8) Diethyl Ether	3.41	74	4671	2.547 ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7054	2.575 ug/l	84
10) 1,1-Dichloroethene	3.73	96	6825	2.539 ug/l	97
11) Methyl Iodide	3.95	142	5027	1.308 ug/l	93
12) Methyl Acetate	4.33	43	13319	3.675 ug/l	94
13) Acrolein	3.61	56	5365	15.160 ug/l	92
14) Acrylonitrile	5.00	53	19994	12.563 ug/l #	61
15) Acetone	3.82	58	5458	12.291 ug/l	94
16) Carbon Disulfide	4.05	76	15223	2.356 ug/l	98
17) Allyl chloride	4.32	41	11182	2.377 ug/l	96
18) Methylene Chloride	4.56	84	9026	2.840 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	7411	2.542 ug/l	90
20) Diisopropyl ether	5.96	45	24699	2.542 ug/l	93
21) 1,1-Dichloroethane	5.85	63	13870	2.530 ug/l #	93
22) cis-1,2-Dichloroethene	6.83	96	8740	2.550 ug/l	92
23) tert-Butyl Alcohol	4.75	59	3832	6.437 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	14045	1.580 ug/l #	64
25) Chloroform	7.37	83	14026	2.611 ug/l	94
26) Cyclohexane	7.65	56	12547	2.485 ug/l #	94
29) 1,1-Dichloropropene	7.80	75	9631	2.427 ug/l	84
30) 2-Butanone	6.85	43	25990	11.813 ug/l #	97
31) 2,2-Dichloropropane	6.82	77	3659	0.959 ug/l #	71
32) 1,1,1-Trichloroethane	7.57	97	10227	2.417 ug/l	97
33) Carbon Tetrachloride	7.78	117	8306	2.316 ug/l	96
34) Benzene	8.04	78	32684	2.634 ug/l #	22
35) Methacrylonitrile	7.18	41	4004	2.049 ug/l	94
36) 1,2-Dichloroethane	8.13	62	10356	2.567 ug/l	96
37) Trichloroethene	8.83	130	8528	2.635 ug/l	99
38) Methylcyclohexane	9.08	83	12058	2.424 ug/l	96
39) 1,2-Dichloropropane	9.12	63	8319	2.490 ug/l	98
40) Dibromomethane	9.21	93	5114	2.476 ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	9387	2.453	ug/l	97
42) Vinyl Acetate	5.90	43	88563	11.305	ug/l	96
43) Ethyl Acetate	6.93	43	9546	2.243	ug/l	94
44) Isopropyl Acetate	8.17	43	16005	2.410	ug/l	100
45) 1,4-Dioxane	9.20	88	1650	25.395	ug/l #	19
46) Methyl methacrylate	9.20	41	8347	2.558	ug/l	100
47) n-amyl Acetate	12.07	43	11646	2.110	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	8591	2.094	ug/l	91
49) cis-1,3-Dichloropropene	9.84	75	9878	2.088	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	7935	2.608	ug/l	96
51) Ethyl methacrylate	10.43	69	10367	2.164	ug/l	97
52) 1,3-Dichloropropane	10.71	76	13258	2.565	ug/l	97
53) Dibromochloromethane	10.90	129	6159	2.065	ug/l	98
54) 1,2-Dibromoethane	11.00	107	7591	2.395	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	27452	11.244	ug/l	96
56) Bromoform	12.13	173	4181	1.930	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	53270	13.144	ug/l	97
59) 2-Hexanone	10.75	43	37313	12.408	ug/l	95
61) Tetrachloroethene	10.63	164	8179	2.891	ug/l	96
62) Toluene	10.16	91	34155	2.715	ug/l	98
64) Chlorobenzene	11.43	112	19637	2.591	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	6596	2.417	ug/l	99
66) Ethyl Benzene	11.51	91	33992	2.492	ug/l	98
67) m/p-Xylenes	11.62	106	24398	4.847	ug/l	92
68) o-Xylene	11.95	106	12757	2.563	ug/l	100
69) Styrene	11.96	104	18799	2.270	ug/l	95
70) Isopropylbenzene	12.25	105	32447	2.498	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.50	83	10559	2.459	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	12604	3.490	ug/l	68
73) Bromobenzene	12.53	156	7741	2.311	ug/l	80
74) n-propylbenzene	12.59	91	34367	2.332	ug/l	95
75) 2-Chlorotoluene	12.67	91	22011	2.498	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	25484	2.317	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	1836	1.587	ug/l	79
78) 4-Chlorotoluene	12.77	91	18332	2.139	ug/l	100
79) tert-butylbenzene	12.99	119	22965	2.444	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	25132	2.314	ug/l	100
81) sec-Butylbenzene	13.17	105	28035	2.250	ug/l	100
82) p-Isopropyltoluene	13.29	119	25420	2.269	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	12541	2.254	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	11458	2.135	ug/l	96
85) n-Butylbenzene	13.61	91	18696	1.986	ug/l	94
86) Hexachloroethane	13.87	117	3332	1.972	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	12501	2.213	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	1442	1.874	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	4591	1.470	ug/l	99
90) Hexachlorobutadiene	15.01	225	4655	2.400	ug/l	94
91) Naphthalene	15.13	128	13051	1.489	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	6263	1.911	ug/l	98

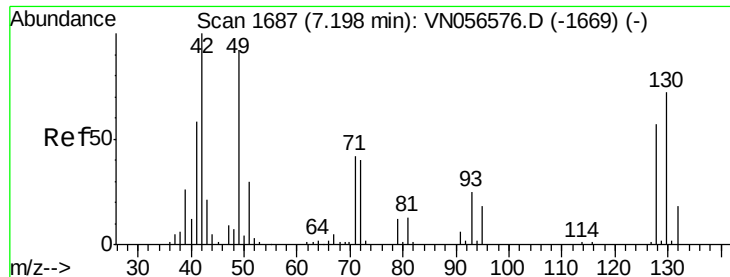
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

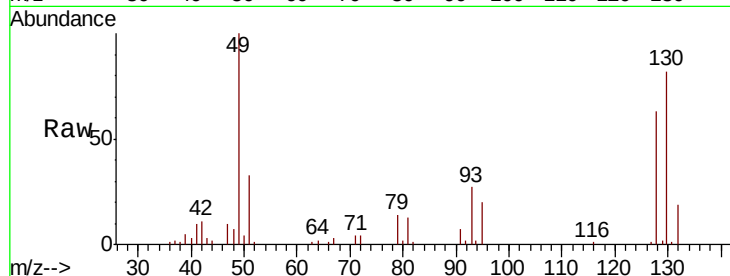
Tot Ion:128 Resp: 49168

Ion Ratio Lower Upper

128 100

49 159.0 0.0 355.8

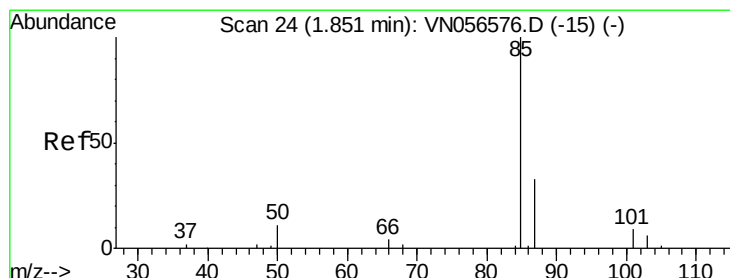
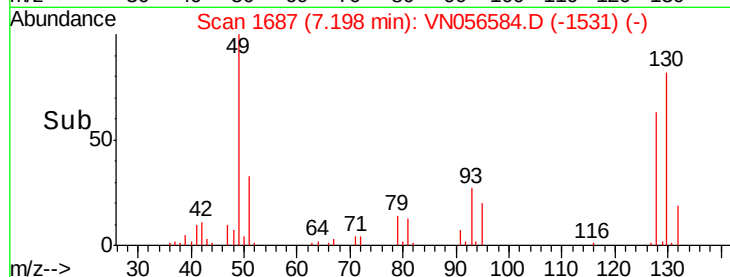
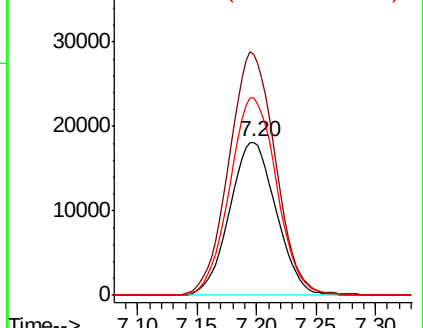
130 130.3 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.265 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056584.D

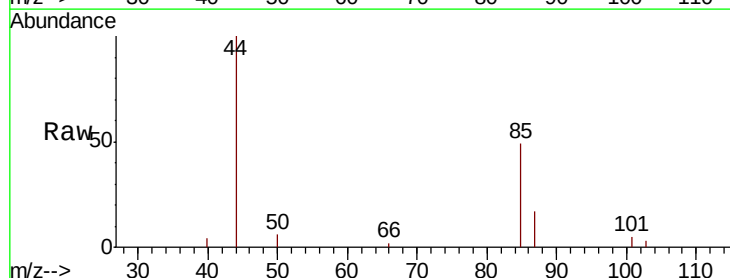
Acq: 3 Jul 2019 13:25

Tgt Ion: 85 Resp: 5584

Ion Ratio Lower Upper

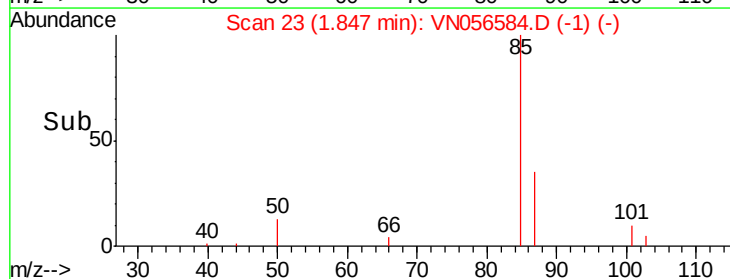
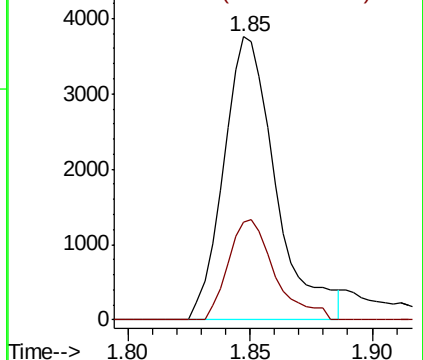
85 100

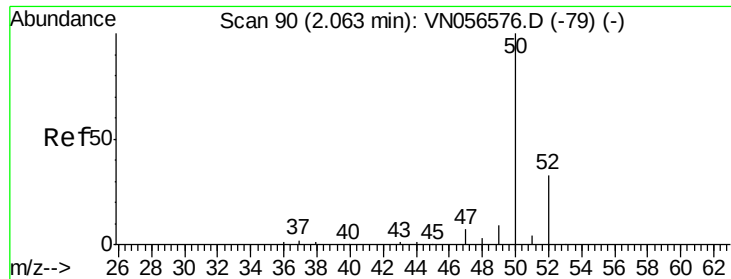
87 34.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 2.536 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

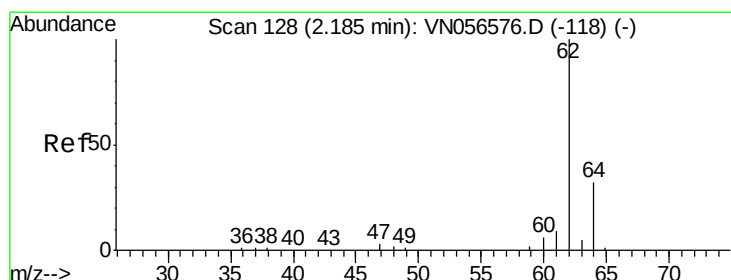
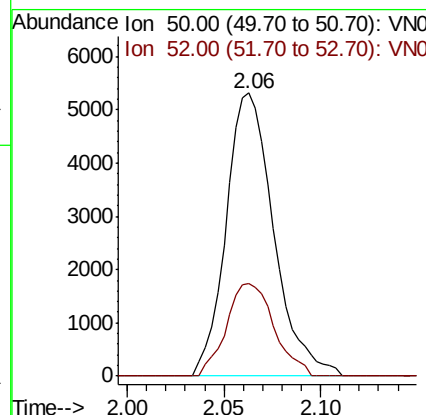
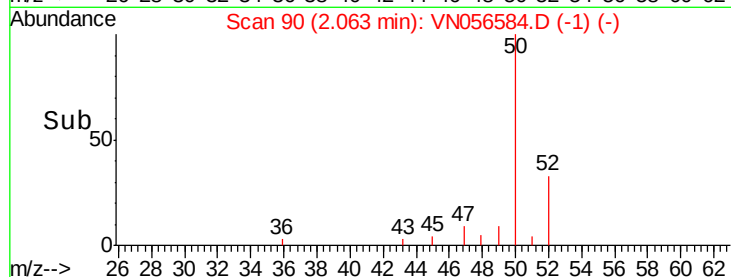
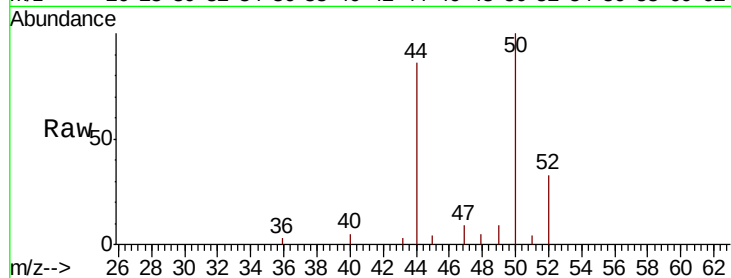
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 9077

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



#4

Vinyl Chloride

Concen: 2.501 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056584.D

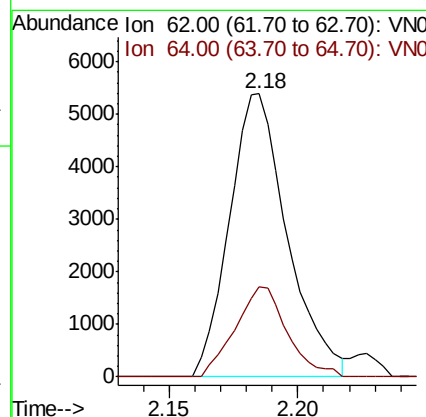
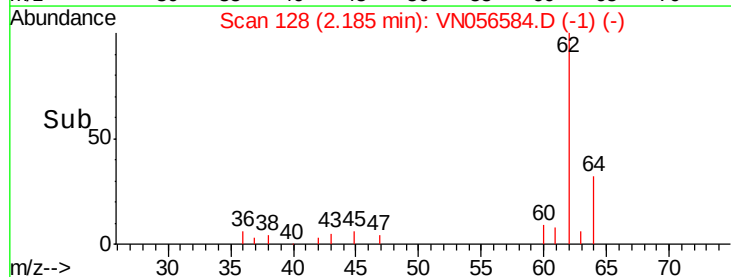
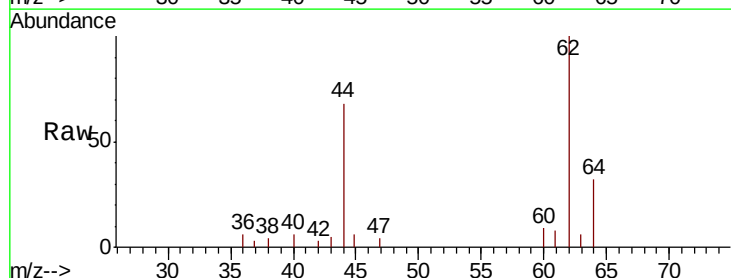
Acq: 3 Jul 2019 13:25

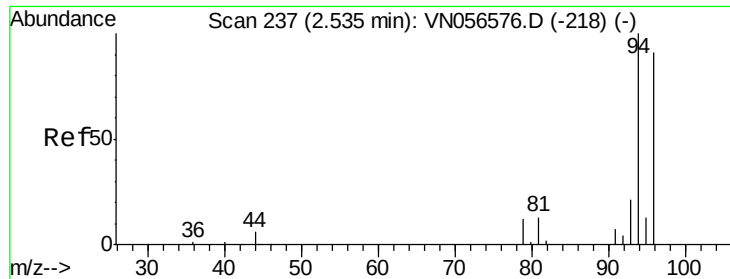
Tgt Ion: 62 Resp: 8422

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8

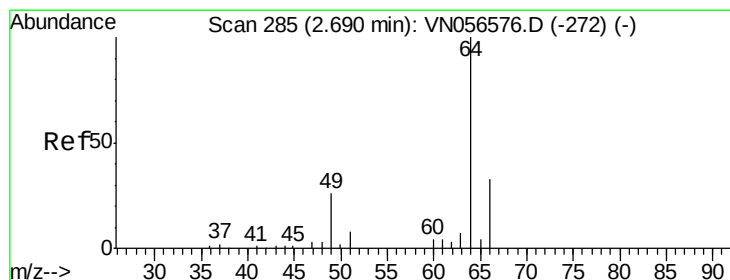
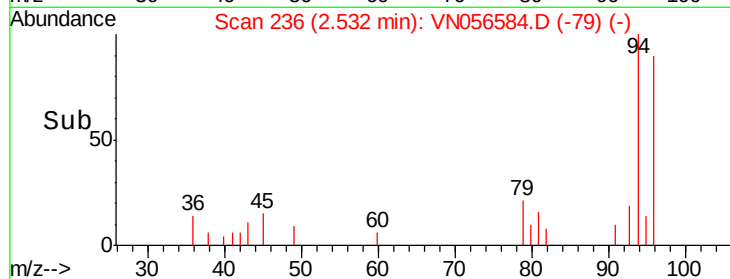
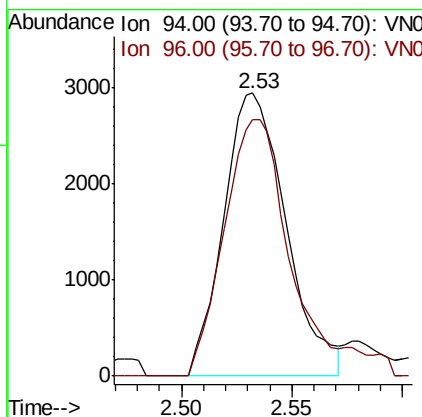
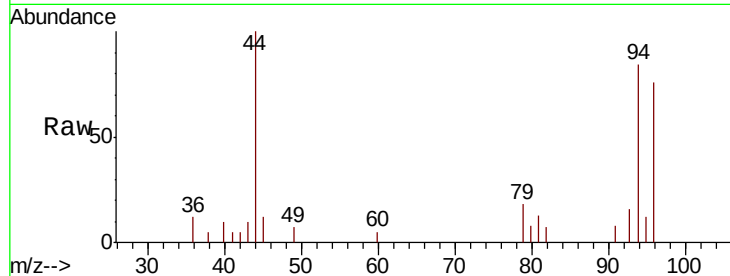




#5
Bromomethane
Concen: 3.212 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

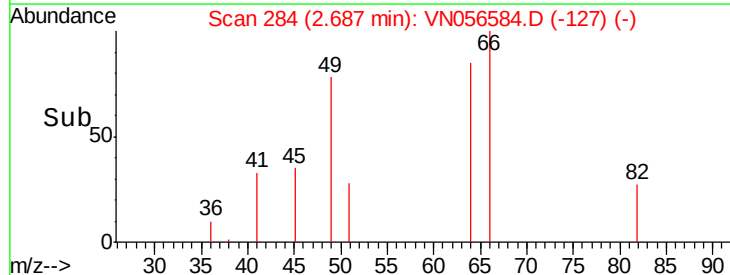
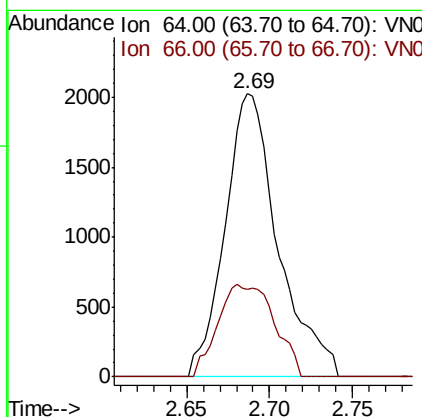
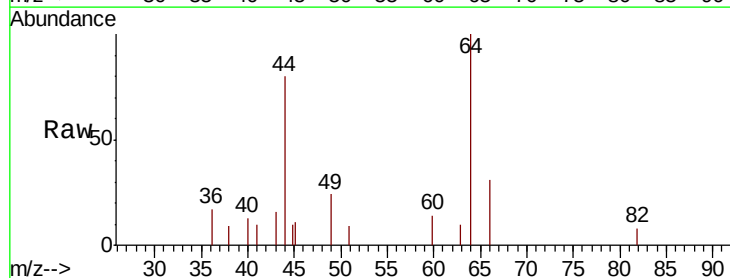
Instrument :
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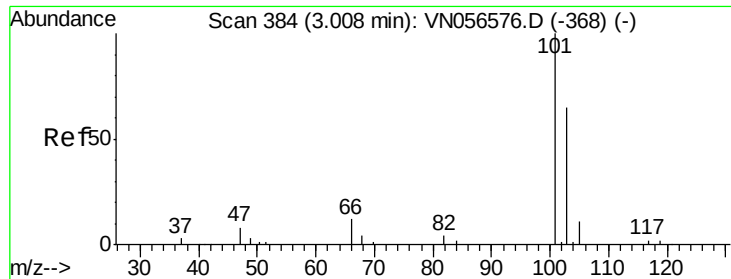
Tot Ion: 94 Resp: 5773
Ion Ratio Lower Upper
94 100
96 90.4 74.1 111.1



#6
Chloroethane
Concen: 2.418 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 64 Resp: 4510
Ion Ratio Lower Upper
64 100
66 30.9 23.7 35.5



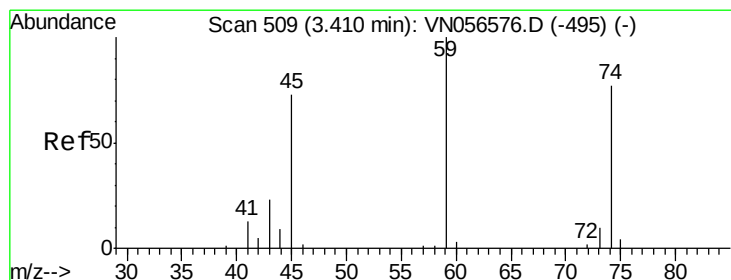
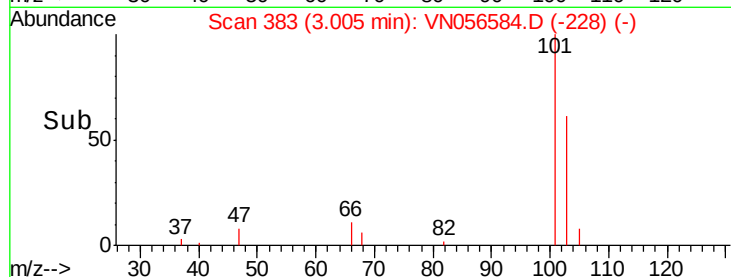
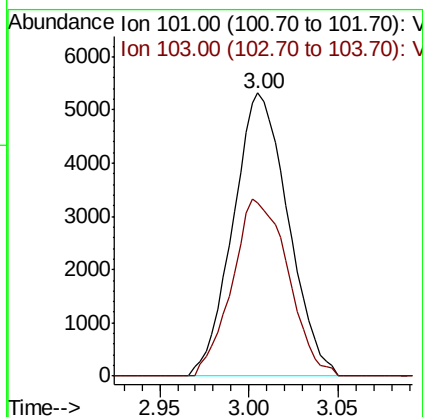
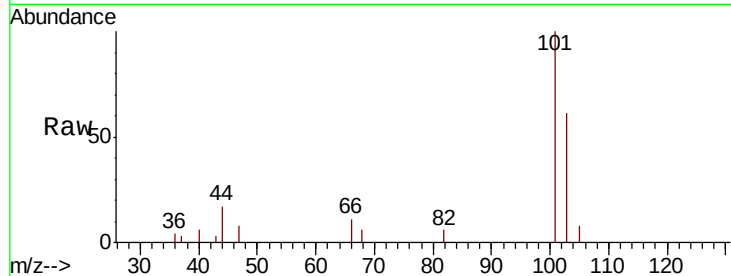


#7

Trichlorofluoromethane
 Concen: 2.641 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

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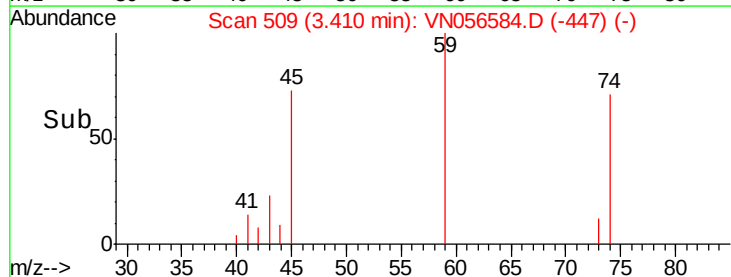
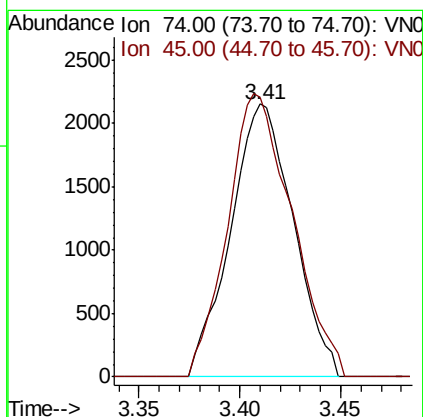
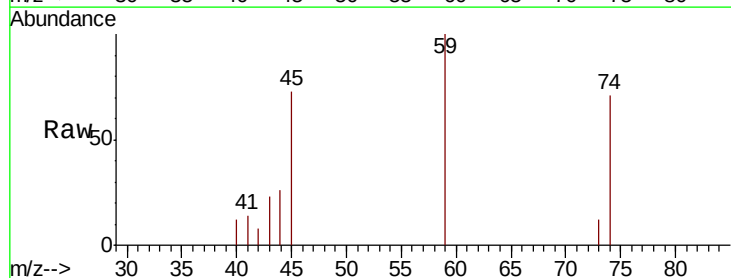
Tot Ion:101 Resp: 11417
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.4 80.0

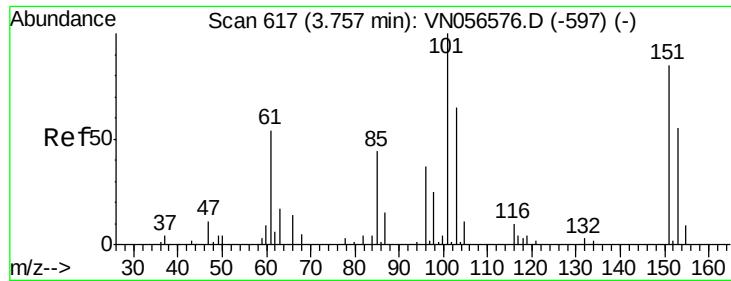


#8

Diethyl Ether
 Concen: 2.547 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 74 Resp: 4671
 Ion Ratio Lower Upper
 74 100
 45 106.9 18.8 169.6

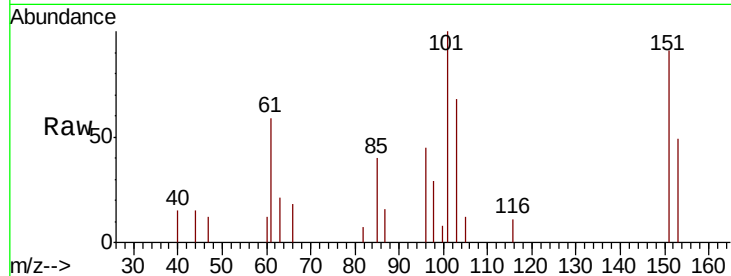




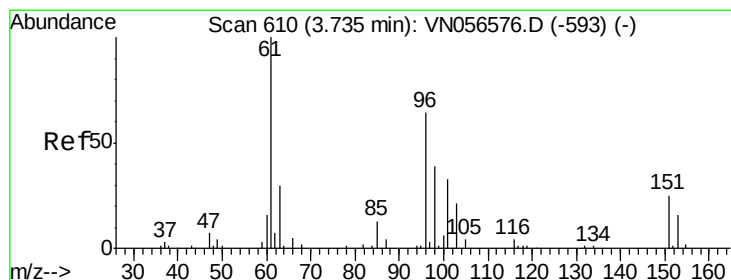
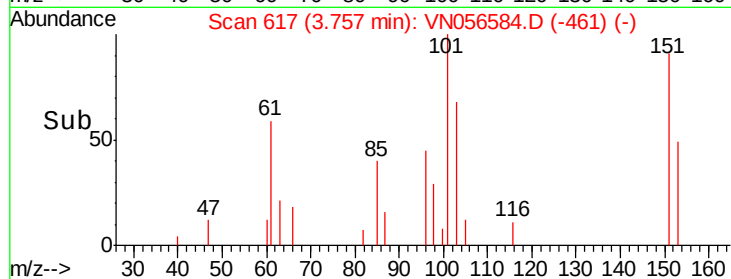
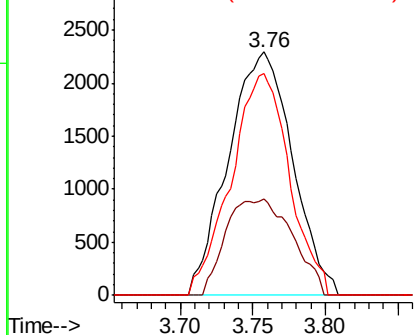
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.575 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:101 Resp: 7054
 Ion Ratio Lower Upper
 101 100
 85 18.6 0.0 82.0
 151 82.7 0.0 177.0

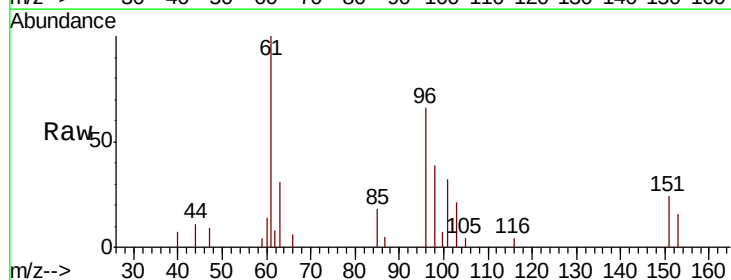


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

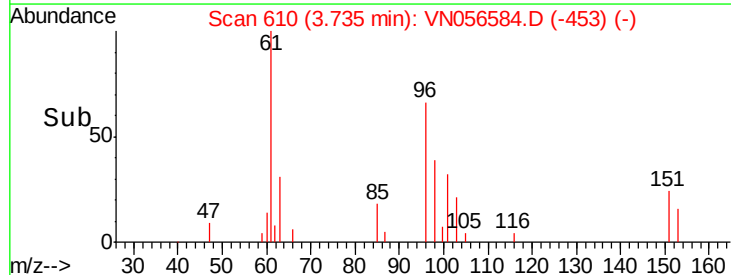
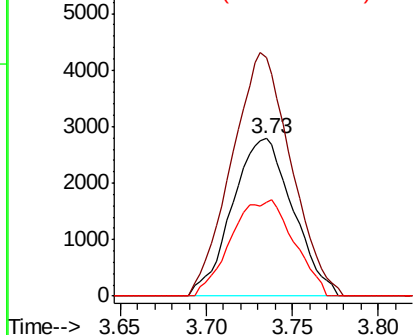


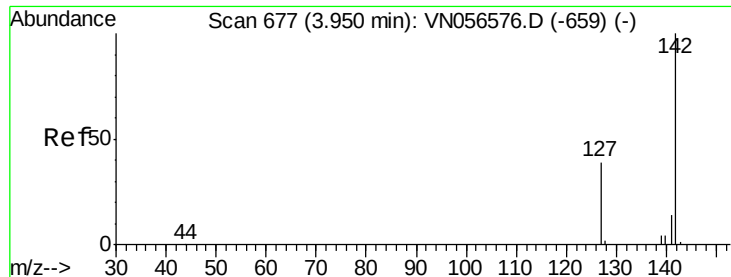
#10
 1,1-Dichloroethene
 Concen: 2.539 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 96 Resp: 6825
 Ion Ratio Lower Upper
 96 100
 61 151.6 119.7 179.5
 98 59.6 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

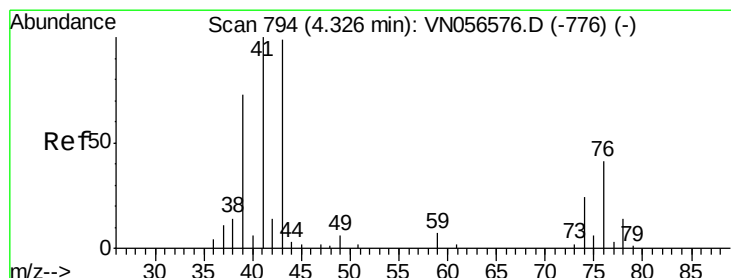
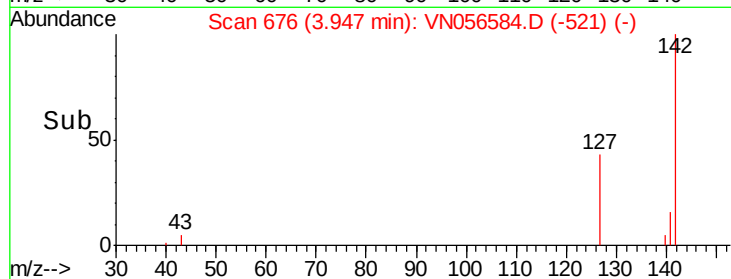
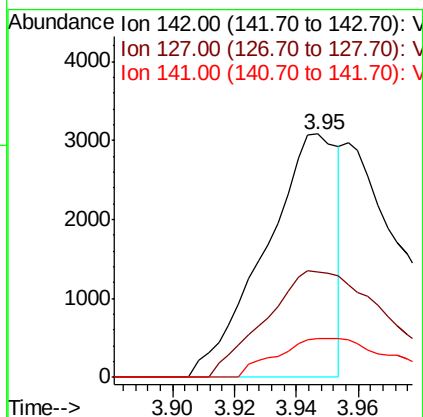
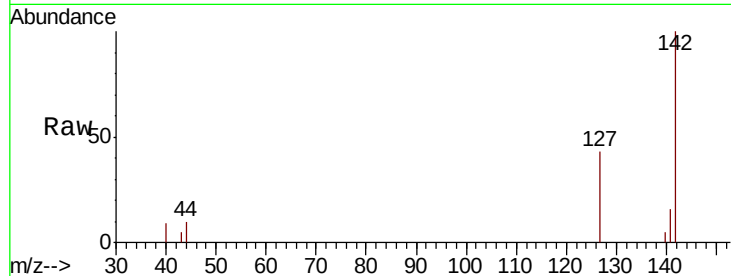




#11
Methyl Iodide
Concen: 1.308 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

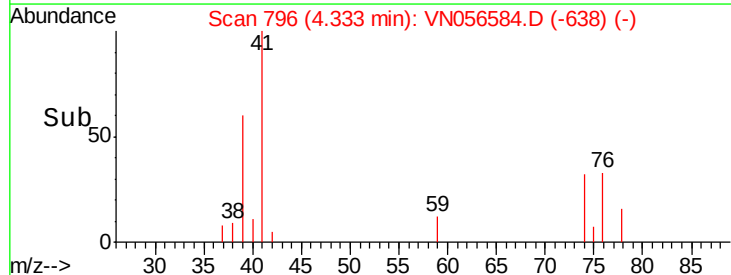
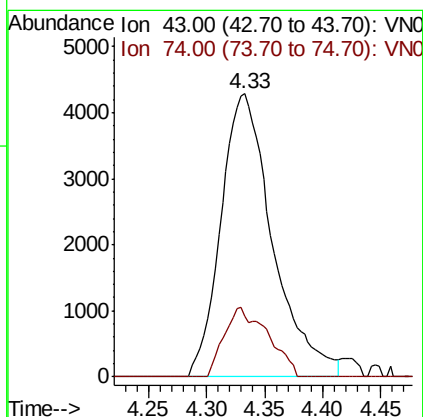
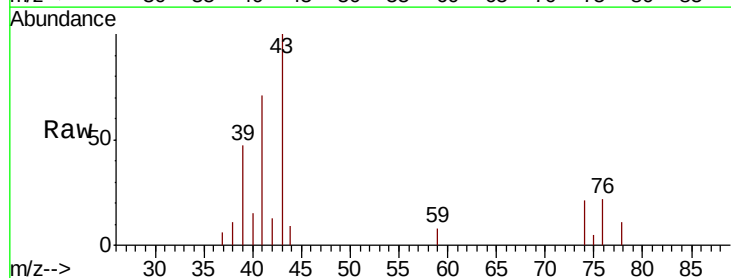
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

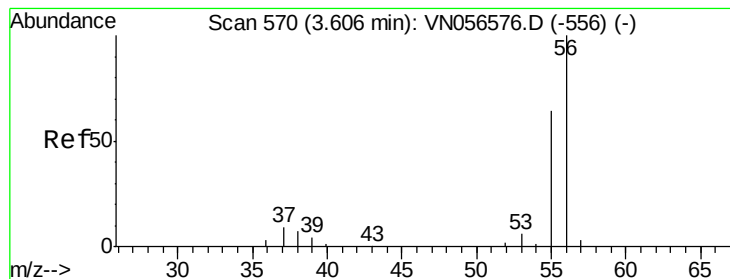
Tot Ion:142 Resp: 5027
Ion Ratio Lower Upper
142 100
127 42.8 19.0 57.0
141 15.2 6.7 20.0



#12
Methyl Acetate
Concen: 3.675 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 13319
Ion Ratio Lower Upper
43 100
74 22.1 19.9 29.9





#13

Acrolein

Concen: 15.160 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

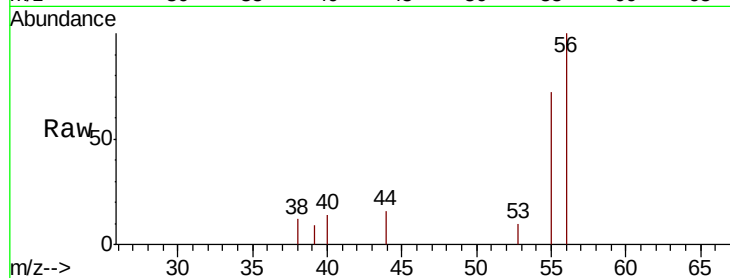
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 5365

Ion Ratio Lower Upper

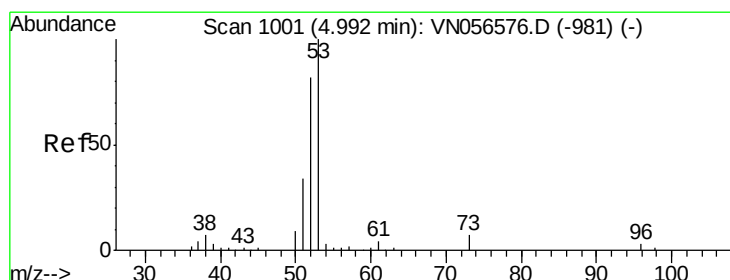
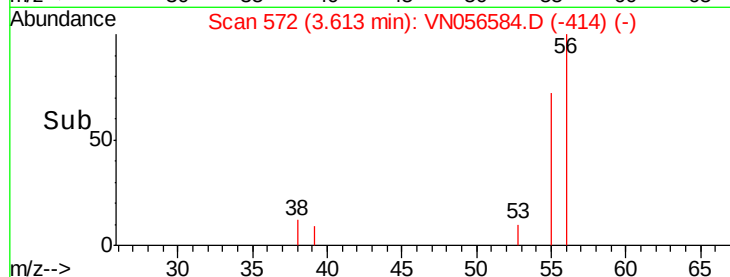
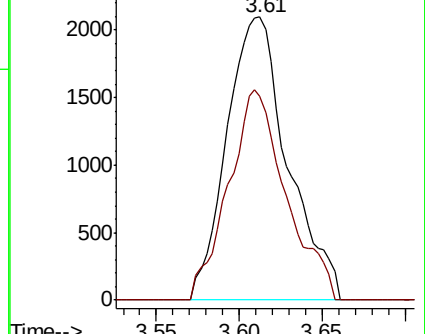
56 100

55 65.8 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 12.563 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

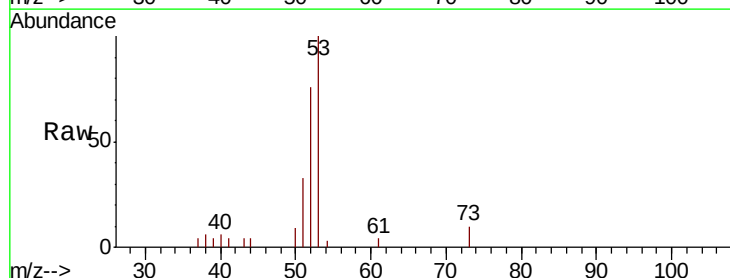
Tgt Ion: 53 Resp: 19994

Ion Ratio Lower Upper

53 100

52 34.1 40.8 122.2#

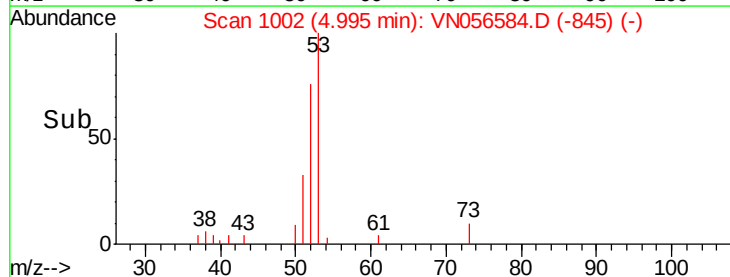
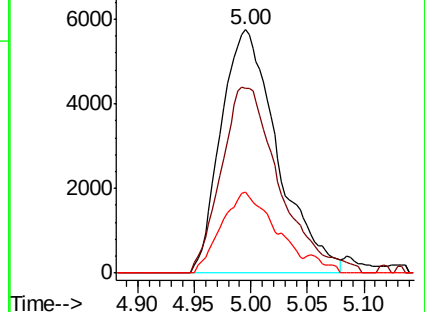
51 31.2 17.3 52.0

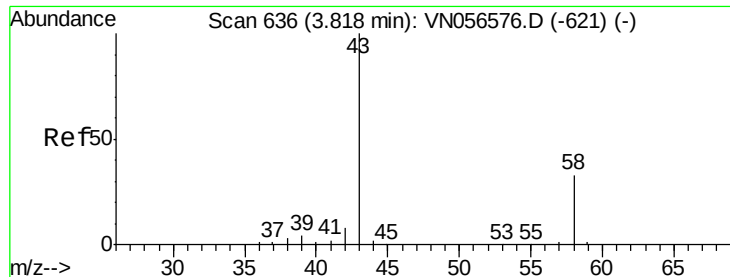


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 12.291 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

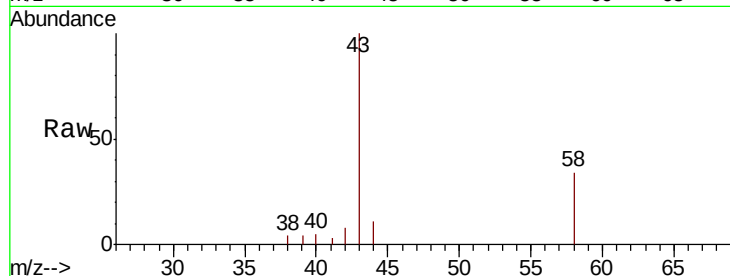
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 58 Resp: 5458

Ion Ratio Lower Upper

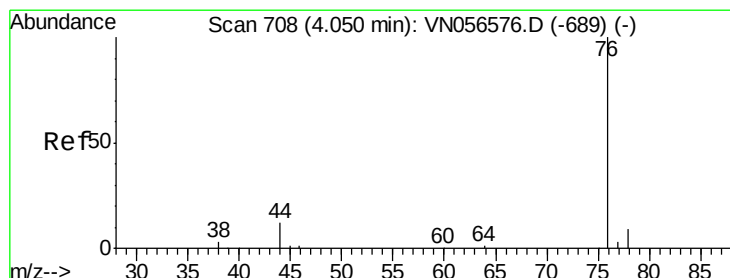
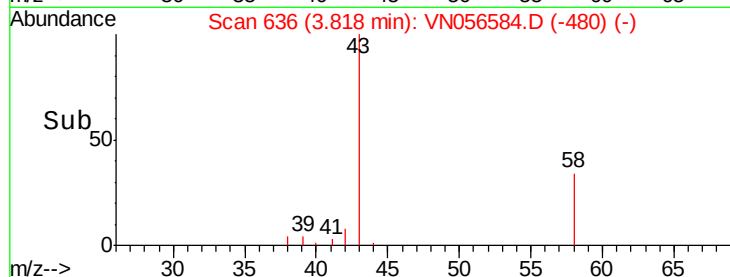
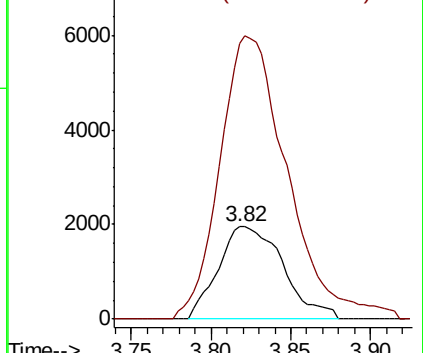
58 100

43 278.5 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.356 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056584.D

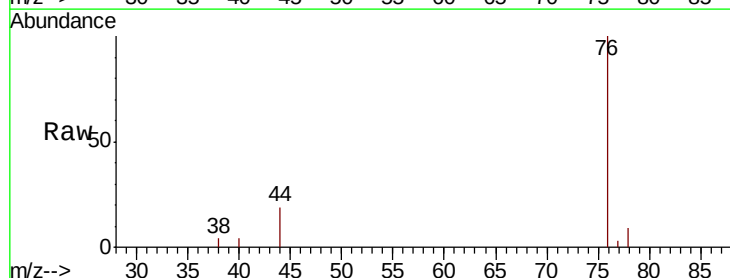
Acq: 3 Jul 2019 13:25

Tgt Ion: 76 Resp: 15223

Ion Ratio Lower Upper

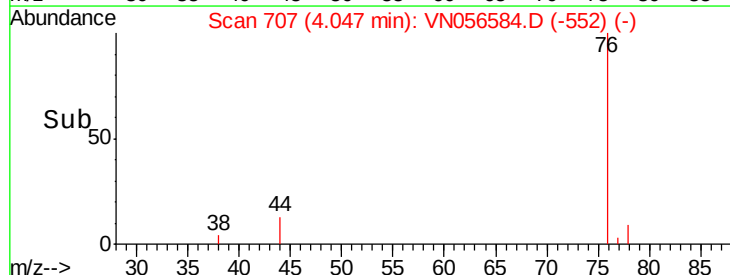
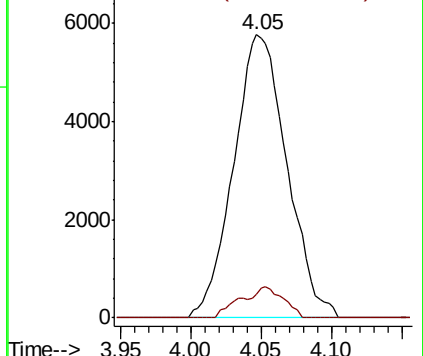
76 100

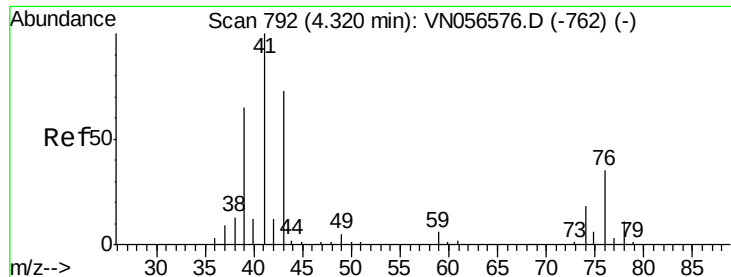
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

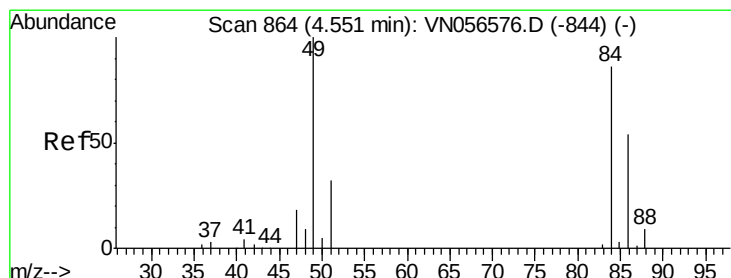
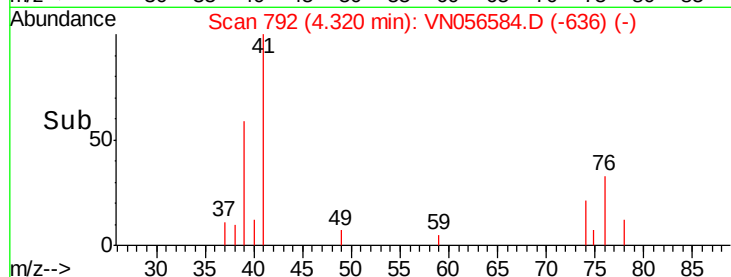
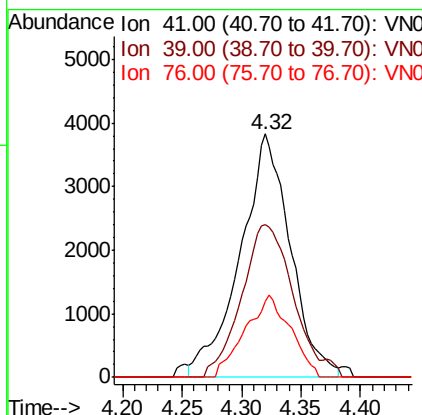
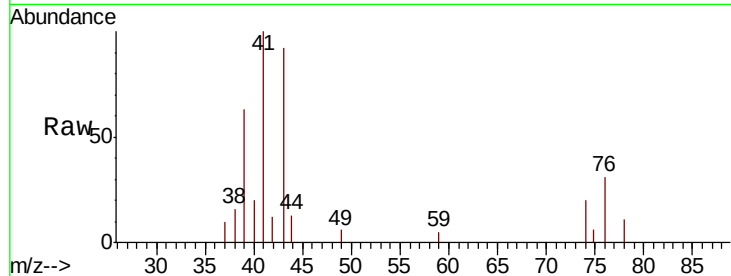




#17
Allvl chloride
Concen: 2.377 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

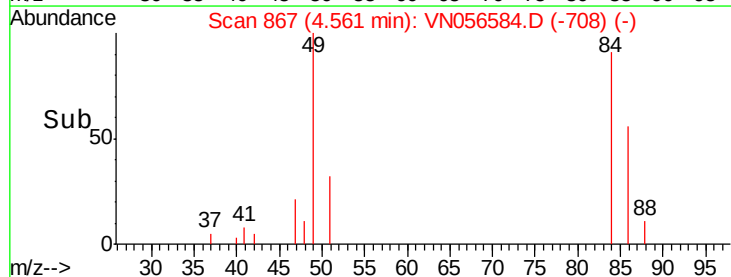
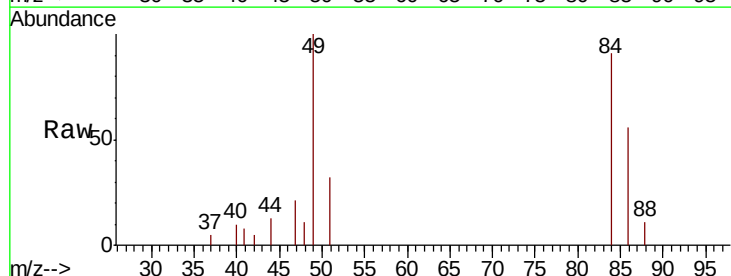
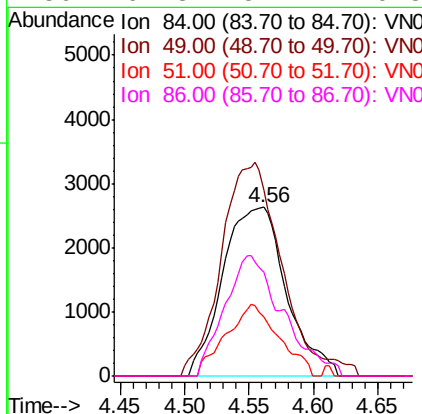
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

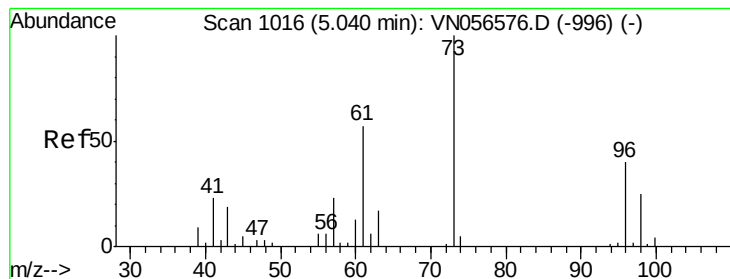
Tot Ion: 41 Resp: 11182
Ion Ratio Lower Upper
41 100
39 65.4 33.0 99.0
76 32.7 18.9 56.9



#18
Methylene Chloride
Concen: 2.840 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 84 Resp: 9026
Ion Ratio Lower Upper
84 100
49 100.6 87.6 131.4
51 34.7 27.0 40.4
86 61.3 51.2 76.8





#19

trans-1,2-Dichloroethene

Concen: 2.542 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

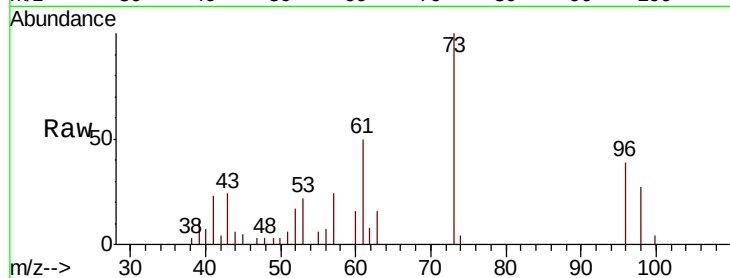
Tot Ion: 96 Resp: 7411

Ion Ratio Lower Upper

96 100

61 118.5 102.5 153.7

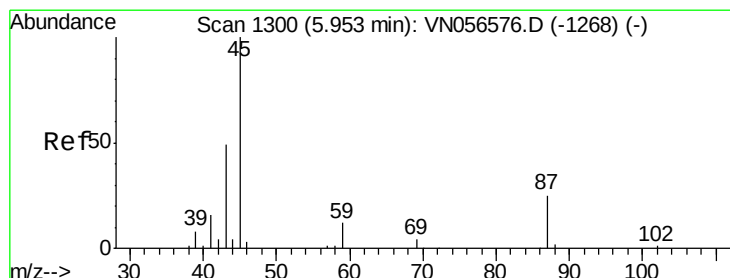
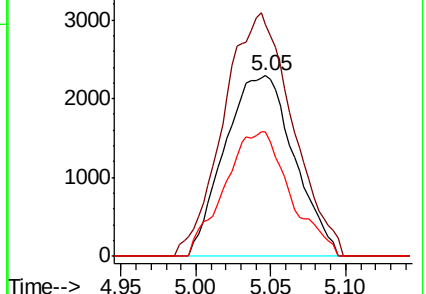
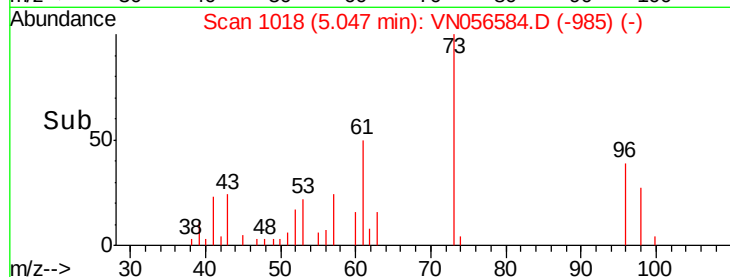
98 69.0 46.9 70.3



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 2.542 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion: 45 Resp: 24699

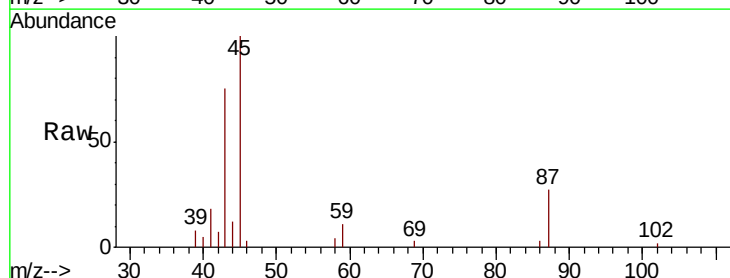
Ion Ratio Lower Upper

45 100

43 67.6 48.0 72.0

87 27.1 23.4 35.2

59 11.5 9.2 13.8

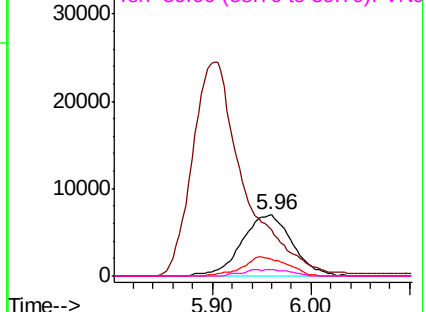
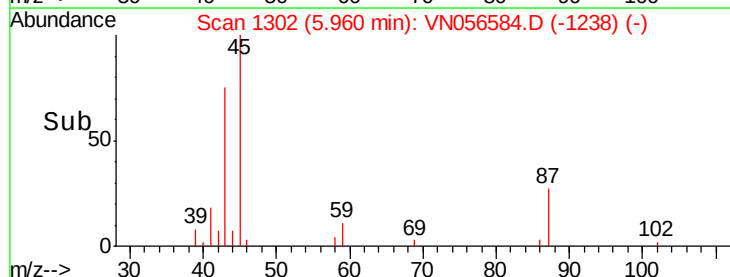


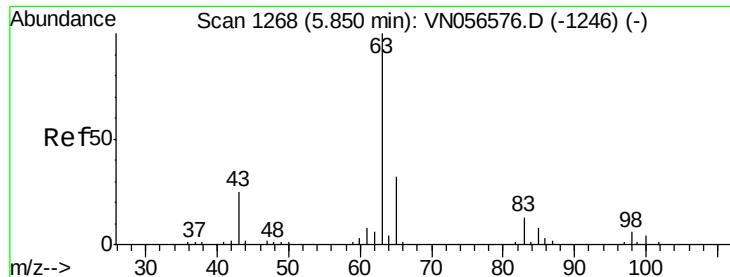
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

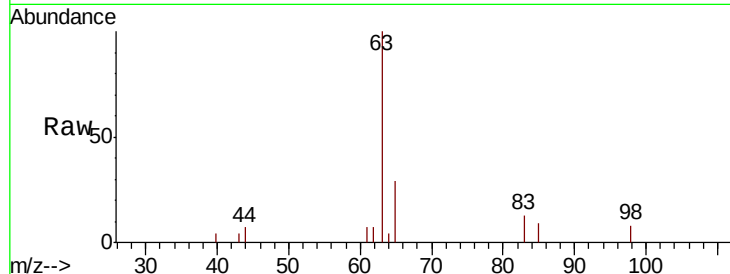




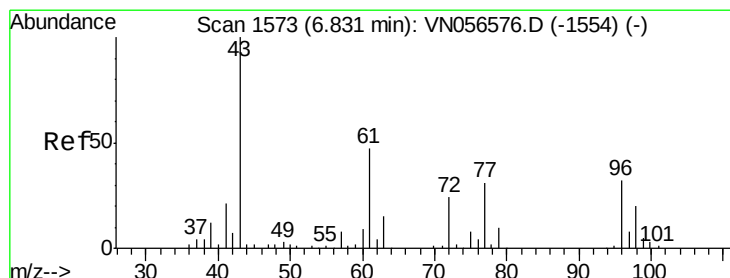
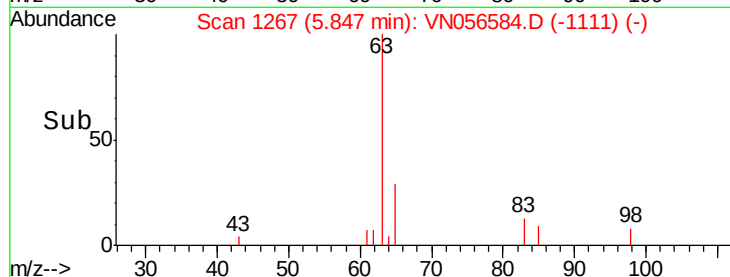
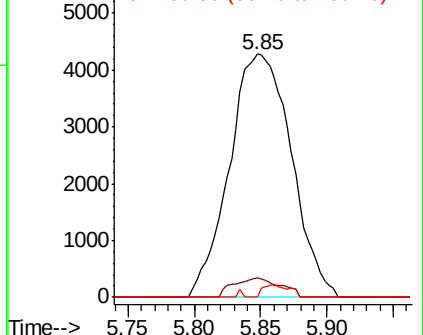
#21
 1,1-Dichloroethane
 Concen: 2.530 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 13870
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.5
 100 0.0 2.3 6.9#

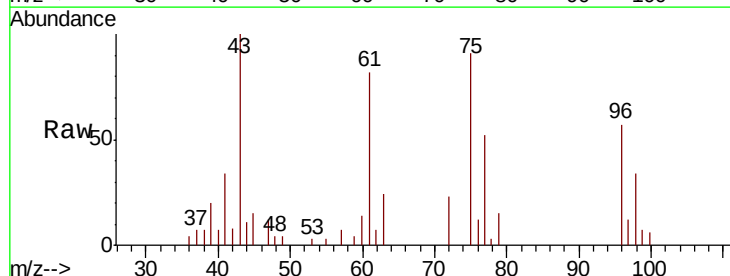


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

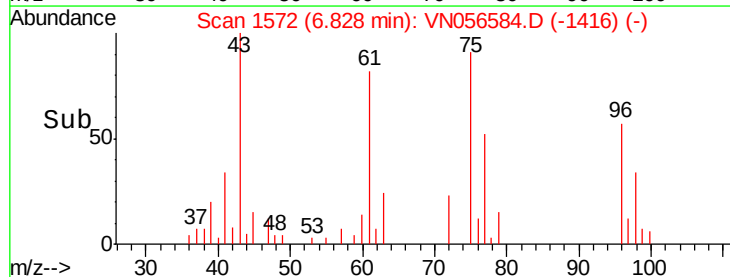
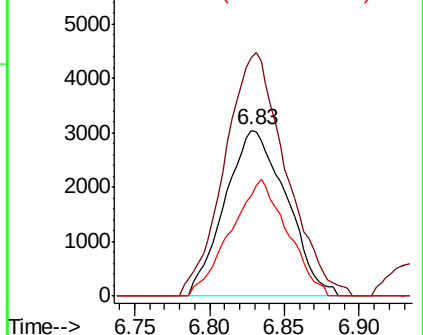


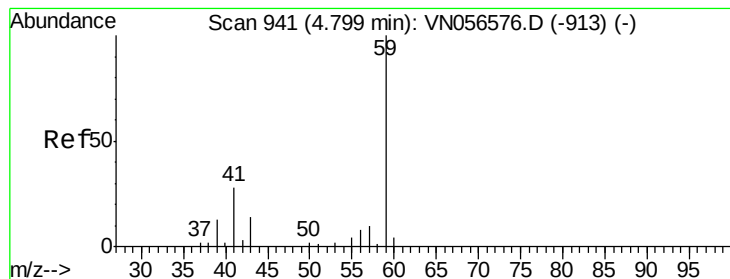
#22
 cis-1,2-Dichloroethene
 Concen: 2.550 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 96 Resp: 8740
 Ion Ratio Lower Upper
 96 100
 61 145.7 105.7 158.5
 98 64.6 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



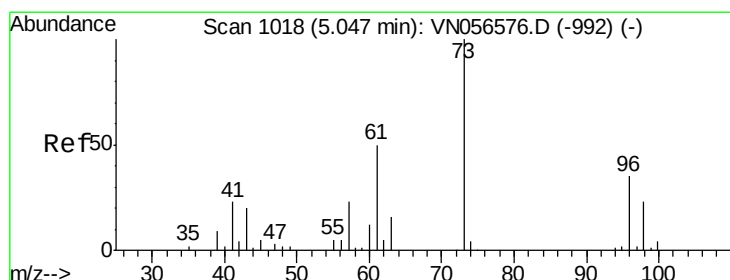
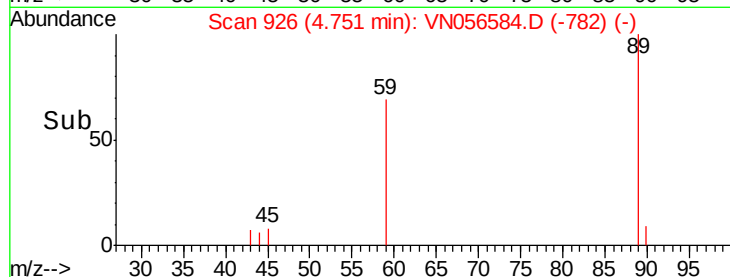
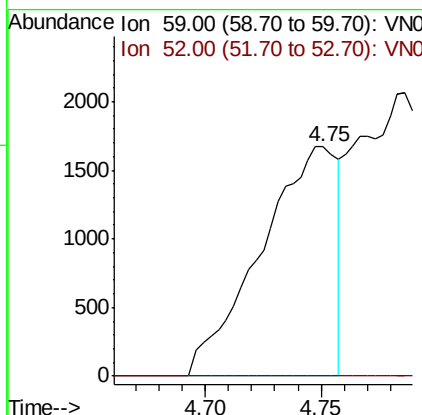
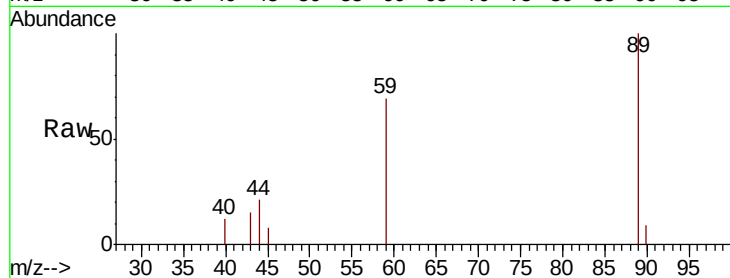


#23

tert-Butyl Alcohol
 Concen: 6.437 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.04 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

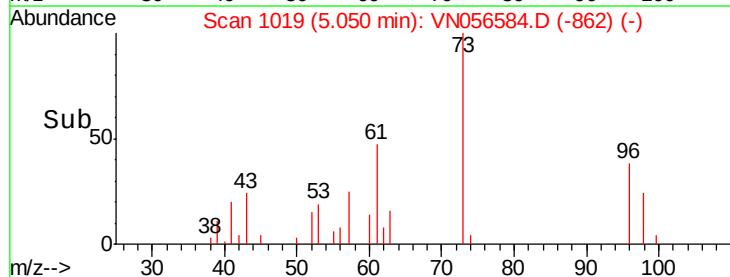
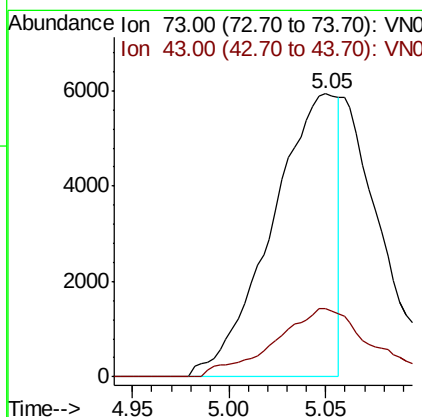
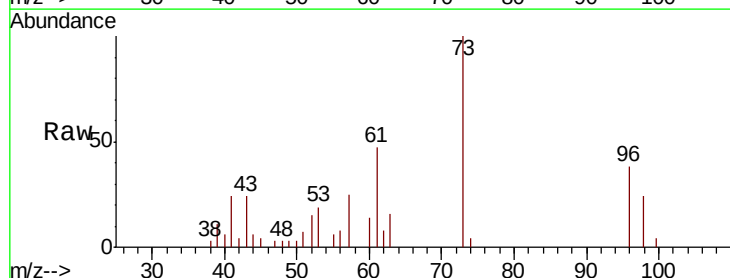
Tot Ion: 59 Resp: 3832
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

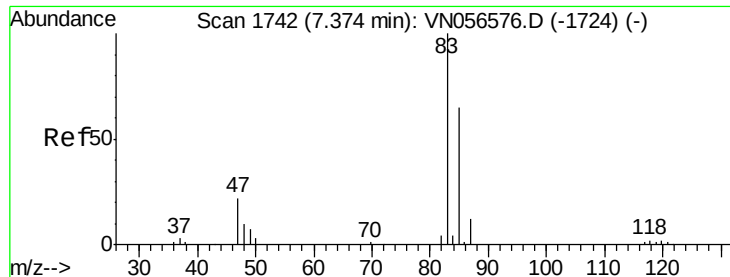


#24

Methyl tert-Butyl Ether
 Concen: 1.580 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 73 Resp: 14045
 Ion Ratio Lower Upper
 73 100
 43 35.6 15.4 23.0#





#25

Chloroform

Concen: 2.611 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

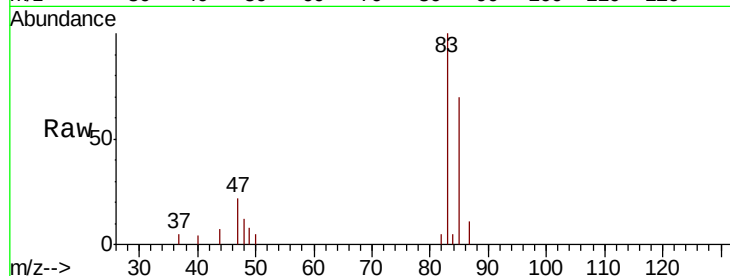
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 14026

Ion Ratio Lower Upper

83 100

85 69.6 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

6000

5000

4000

3000

2000

1000

0

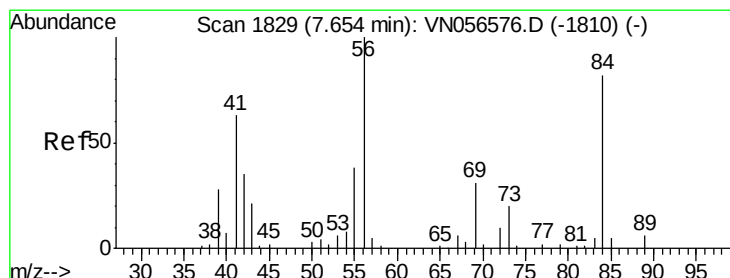
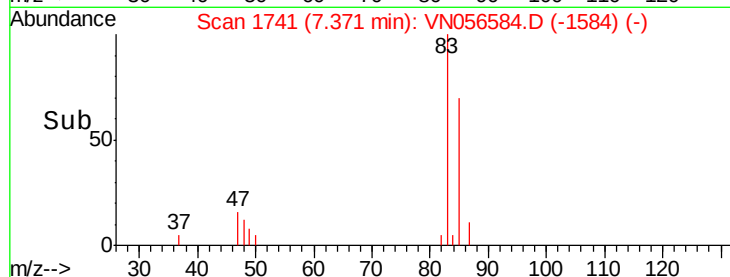
7.30

7.35

7.40

7.45

Time-->



#26

Cyclohexane

Concen: 2.485 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

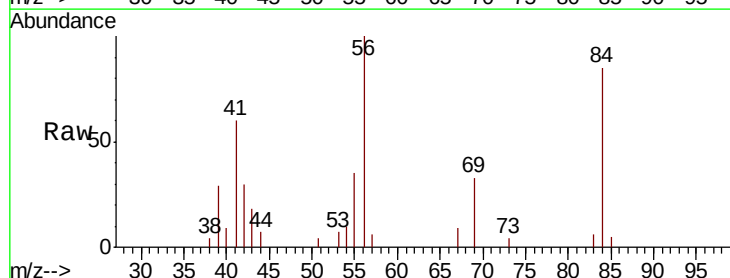
Tgt Ion: 56 Resp: 12547

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 81.6 70.1 105.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

8000

6000

4000

2000

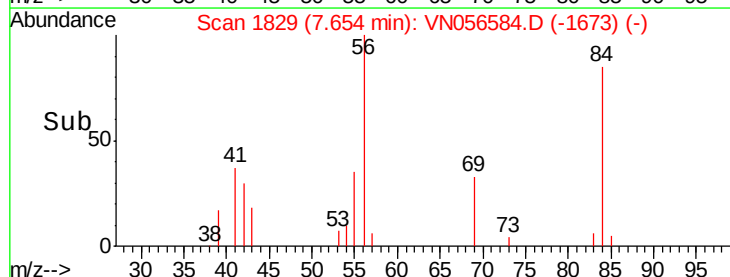
0

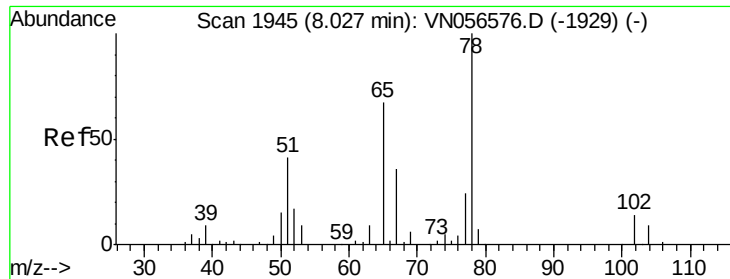
7.60

7.65

7.70

Time-->

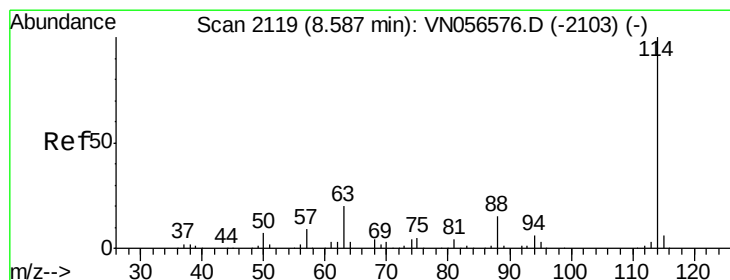
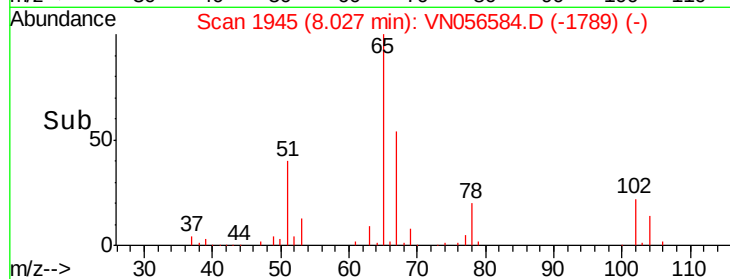
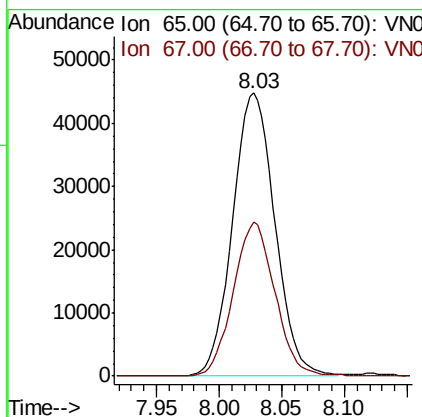
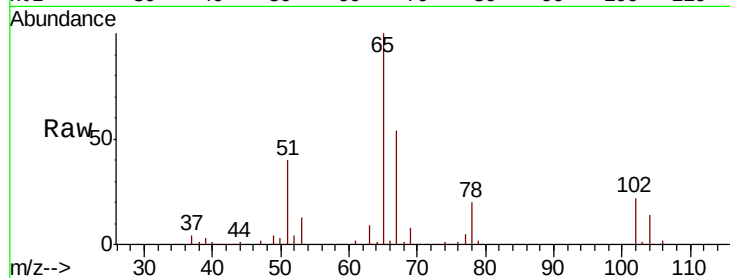




#27
 1,2-Dichloroethane-d4
 Concen: 30.995 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

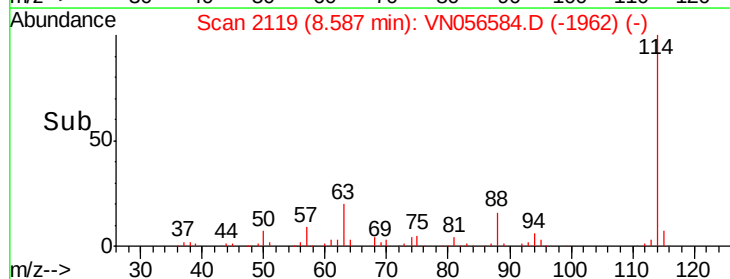
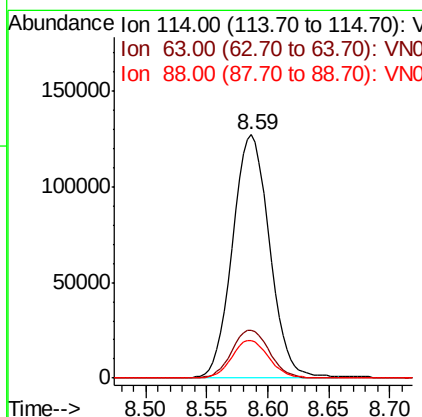
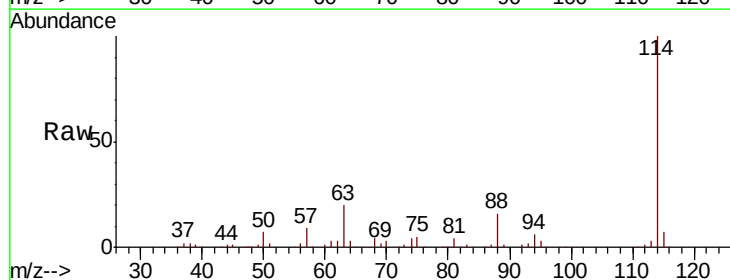
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

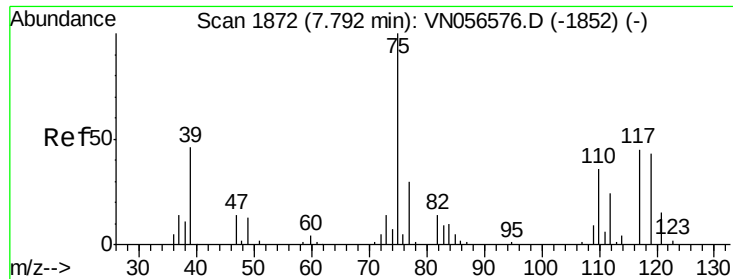
Tot Ion: 65 Resp: 105060
 Ion Ratio Lower Upper
 65 100
 67 53.1 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 114 Resp: 268764
 Ion Ratio Lower Upper
 114 100
 63 20.1 14.7 22.1
 88 15.5 11.9 17.9

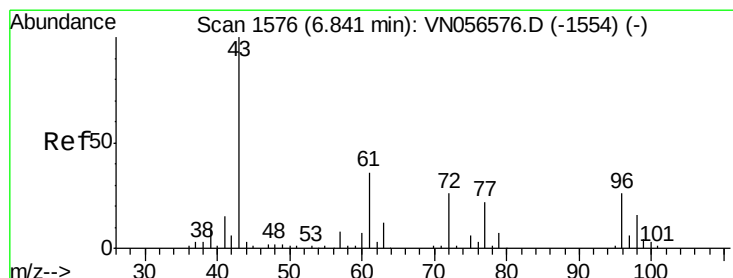
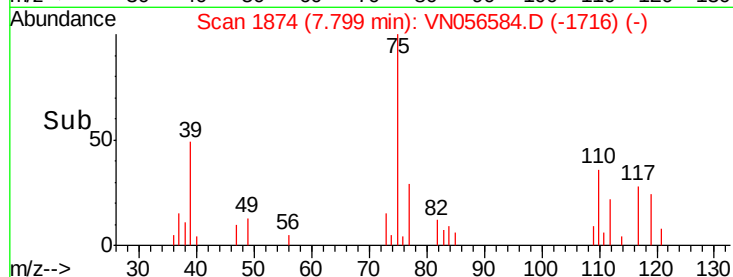
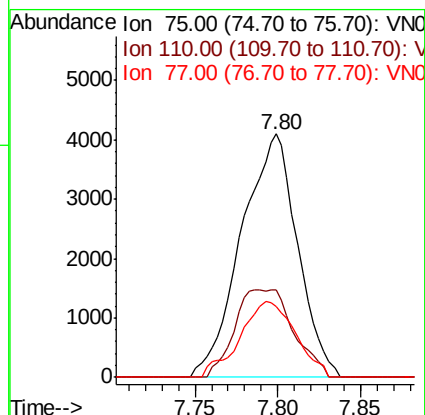
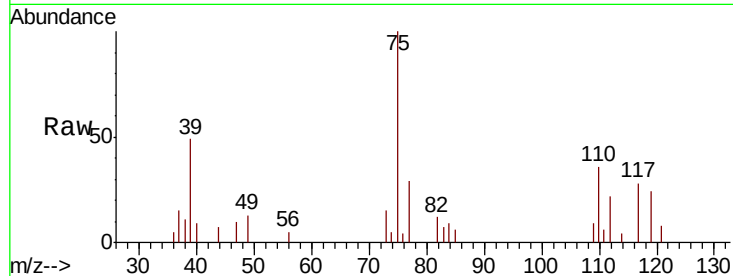




#29
 1,1-Dichloropropene
 Concen: 2.427 ug/l
 RT: 7.80 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

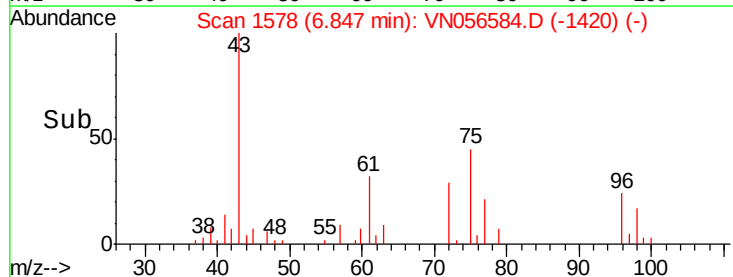
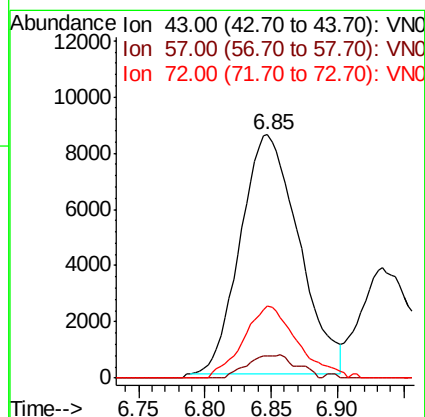
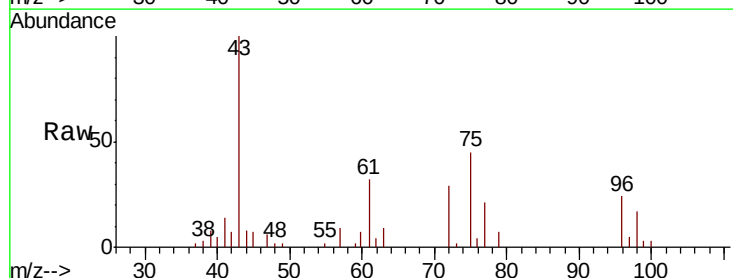
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

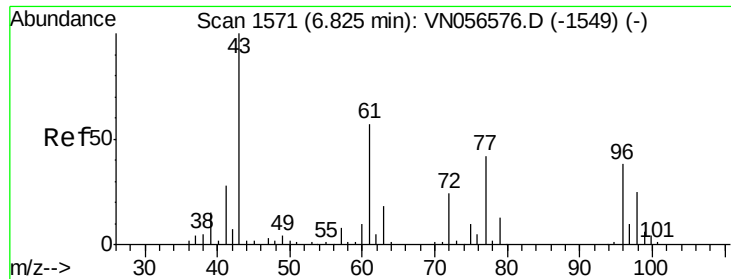
Tot Ion: 75 Resp: 9631
 Ion Ratio Lower Upper
 75 100
 110 20.7 0.0 77.0
 77 30.9 0.0 62.4



#30
 2-Butanone
 Concen: 11.813 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 25990
 Ion Ratio Lower Upper
 43 100
 57 4.4 6.7 10.1#
 72 27.7 22.4 33.6

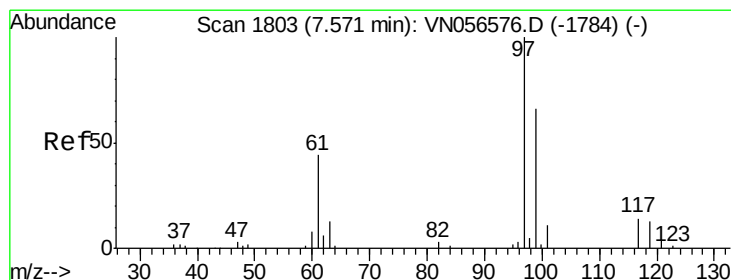
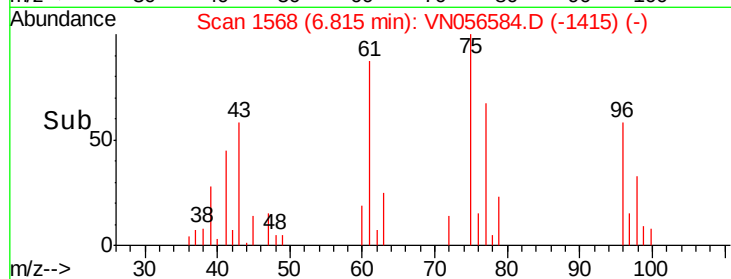
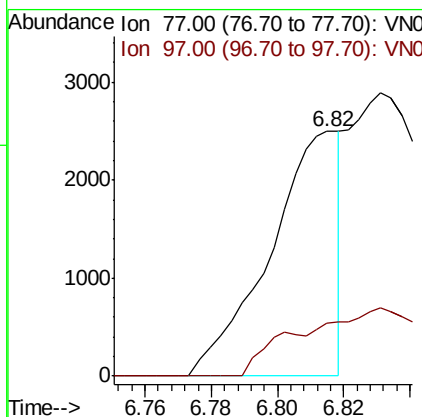
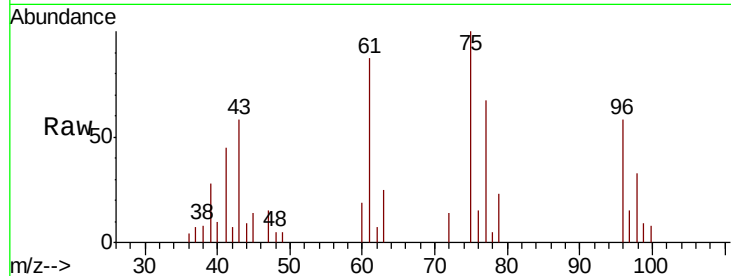




#31
 2,2-Dichloropropane
 Concen: 0.959 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

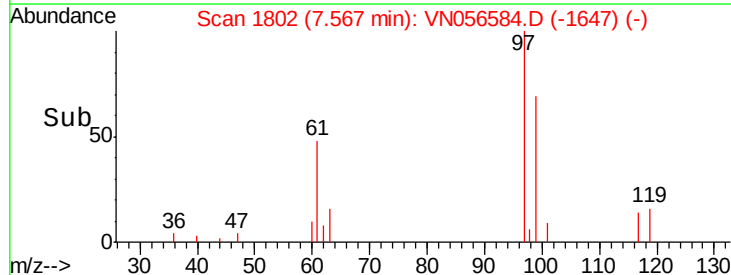
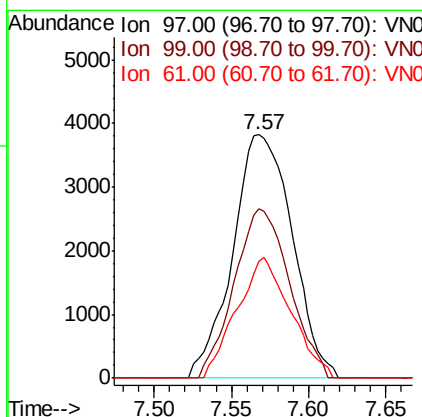
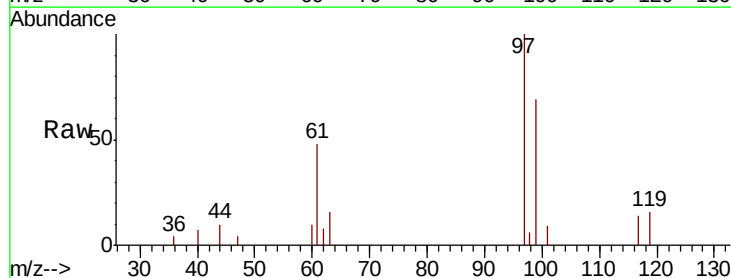
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

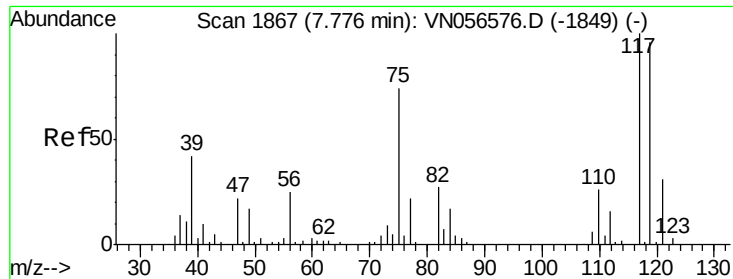
Tot Ion: 77 Resp: 3659
 Ion Ratio Lower Upper
 77 100
 97 11.2 20.8 31.2#



#32
 1,1,1-Trichloroethane
 Concen: 2.417 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 97 Resp: 10227
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 45.0 32.9 49.3

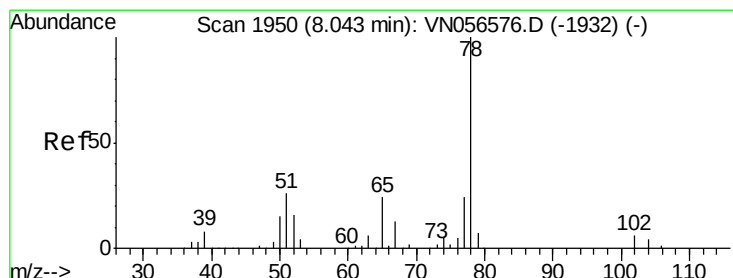
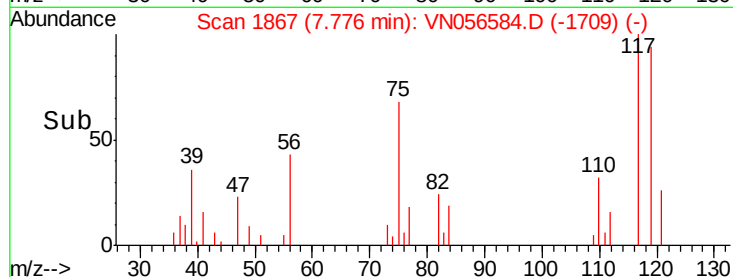
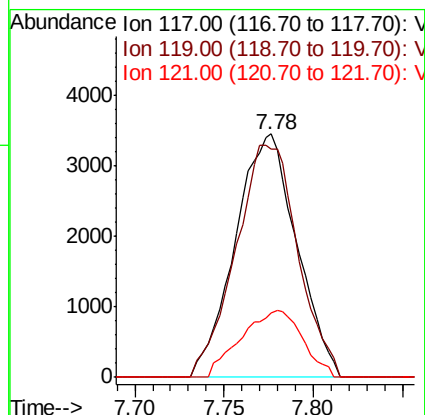
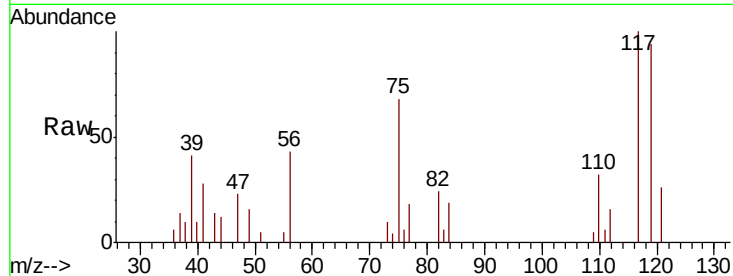




#33
Carbon Tetrachloride
Concen: 2.316 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

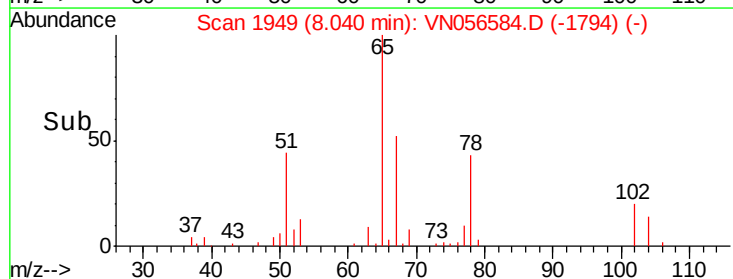
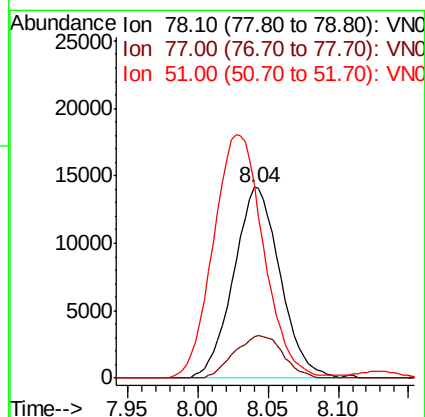
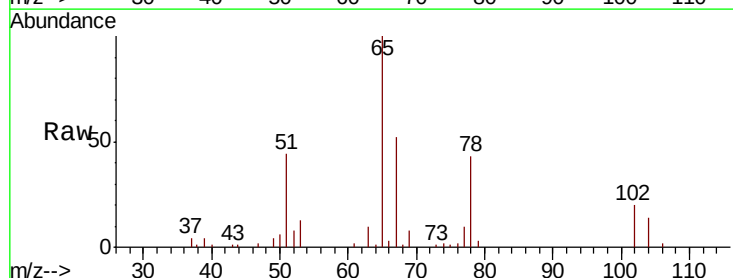
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

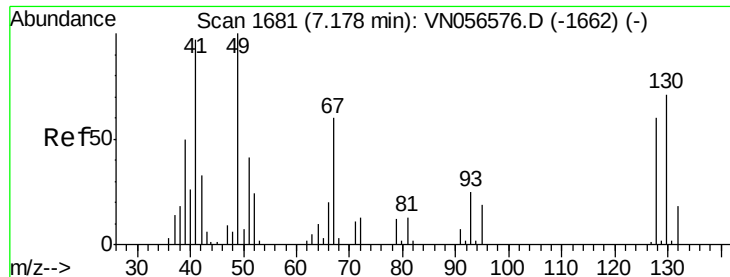
Tot Ion:117 Resp: 8306
Ion Ratio Lower Upper
117 100
119 93.7 77.3 115.9
121 26.4 25.0 37.4



#34
Benzene
Concen: 2.634 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 78 Resp: 32684
Ion Ratio Lower Upper
78 100
77 21.9 19.3 28.9
51 99.6 19.8 29.8#

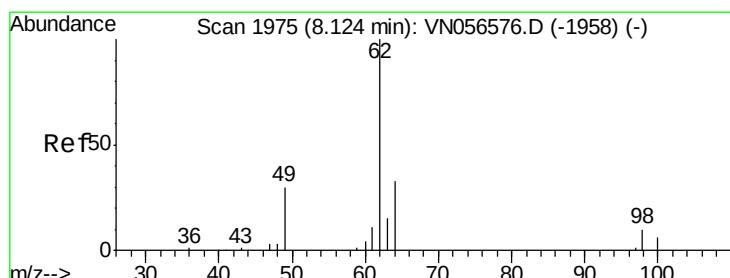
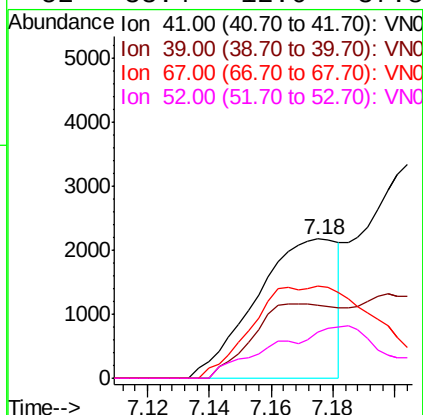
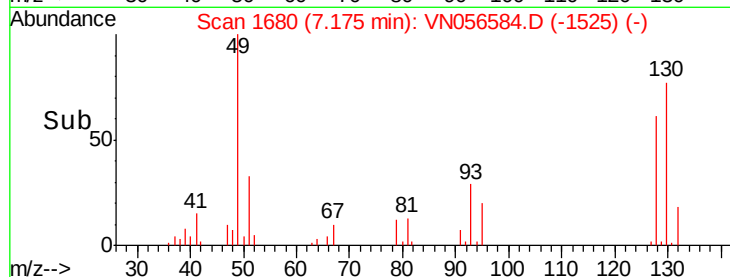
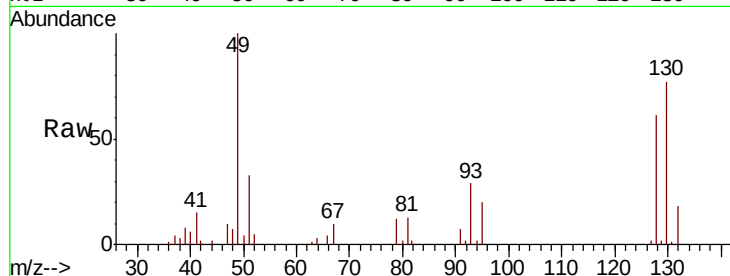




#35
Methacrylonitrile
Concen: 2.049 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

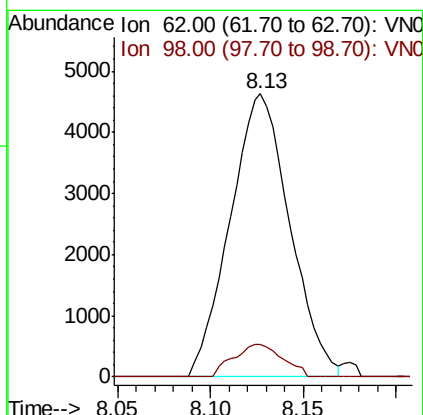
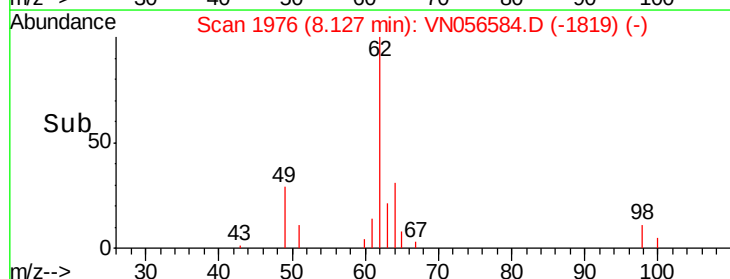
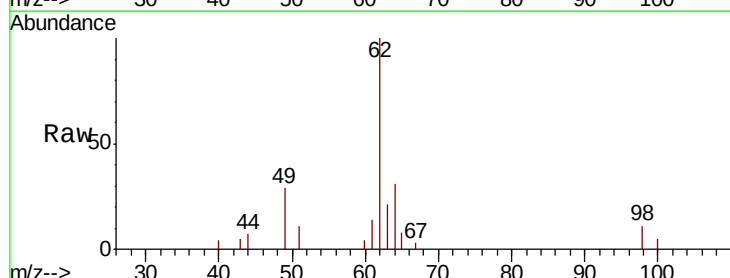
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

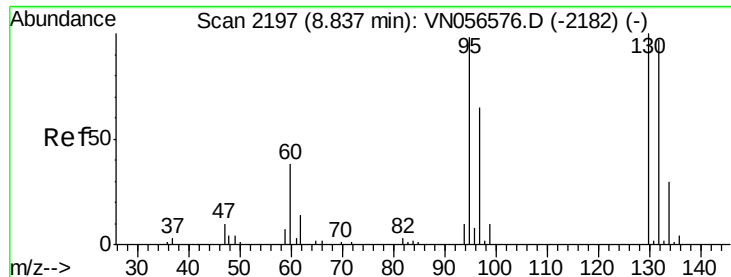
Tot Ion: 41 Resp: 4004
Ion Ratio Lower Upper
41 100
39 52.6 24.8 74.3
67 66.5 34.3 102.9
52 33.4 12.6 37.8



#36
1,2-Dichloroethane
Concen: 2.567 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 62 Resp: 10356
Ion Ratio Lower Upper
62 100
98 9.4 8.6 13.0

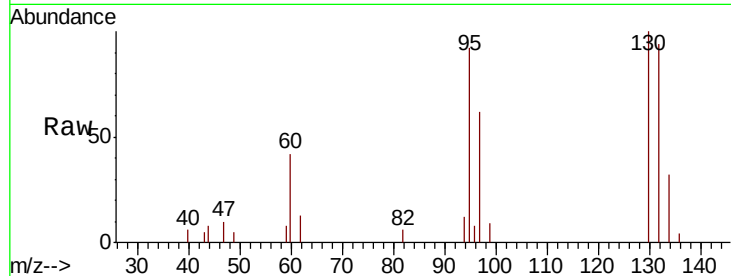




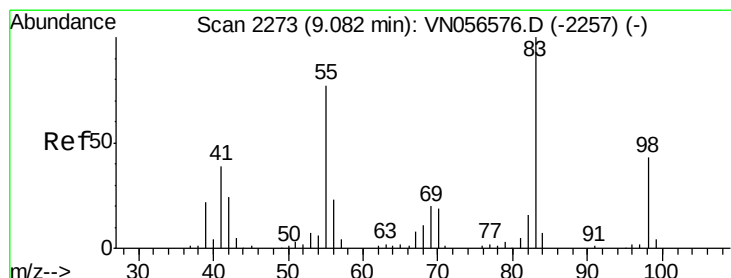
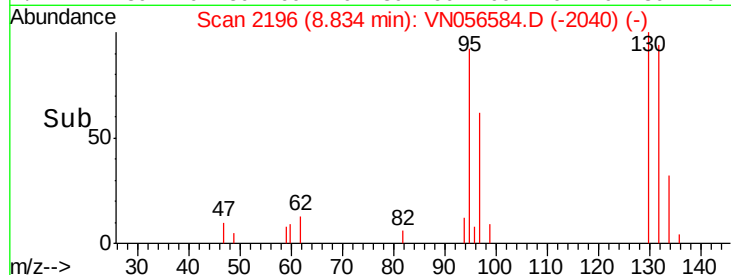
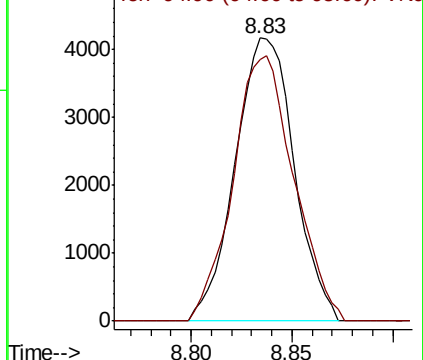
#37
 Trichloroethene
 Concen: 2.635 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:130 Resp: 8528
 Ion Ratio Lower Upper
 130 100
 95 92.4 73.0 109.6

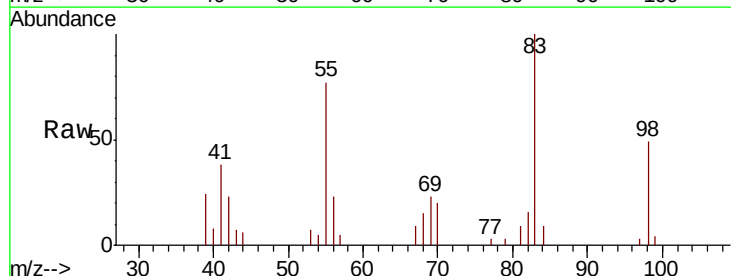


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

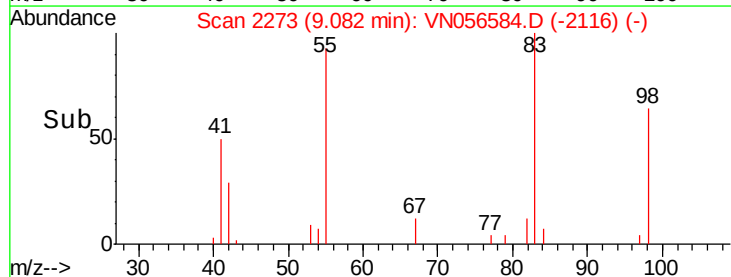
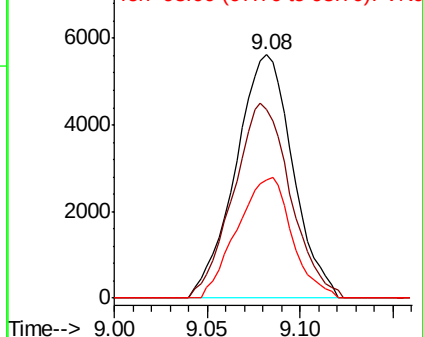


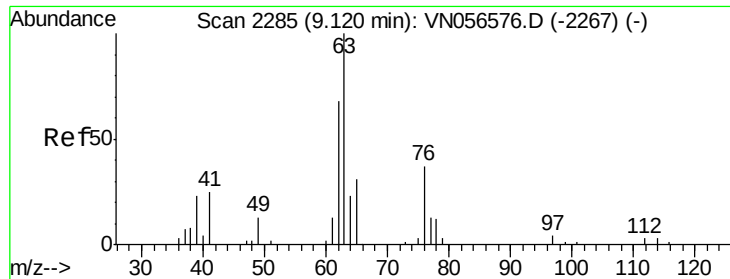
#38
 Methylcyclohexane
 Concen: 2.424 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 83 Resp: 12058
 Ion Ratio Lower Upper
 83 100
 55 79.9 37.5 112.7
 98 47.7 23.1 69.3



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

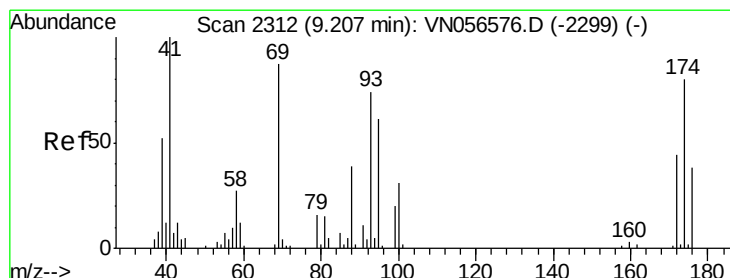
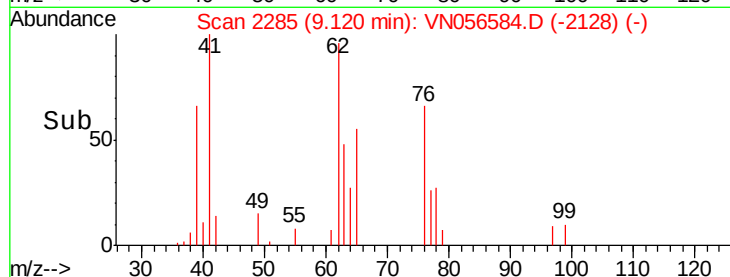
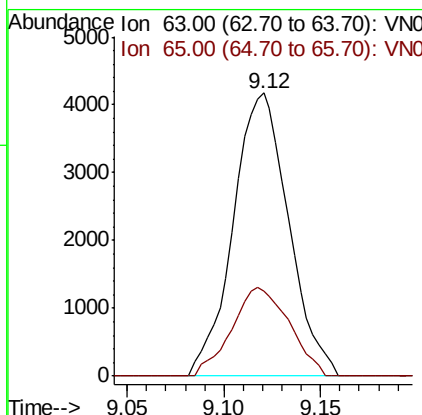
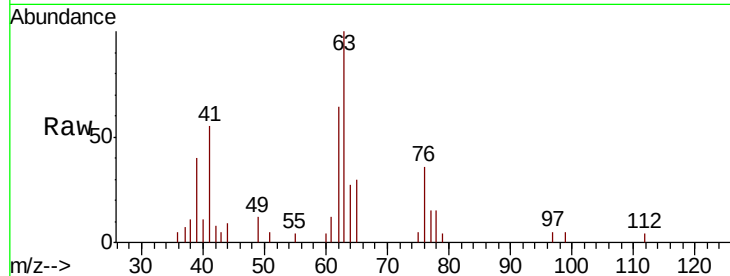




#39
 1,2-Dichloropropane
 Concen: 2.490 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

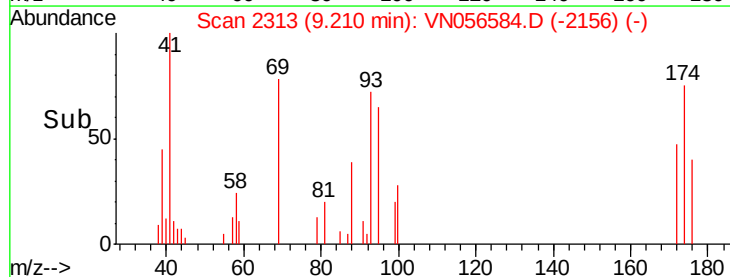
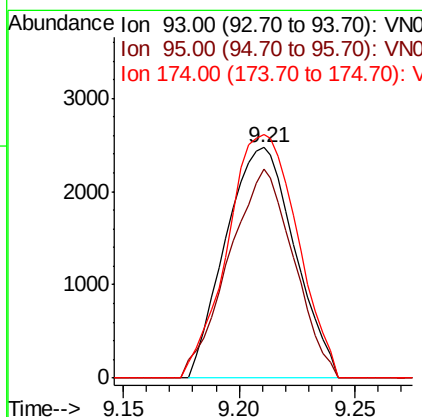
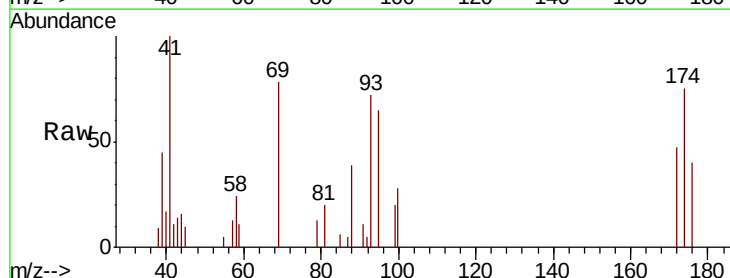
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

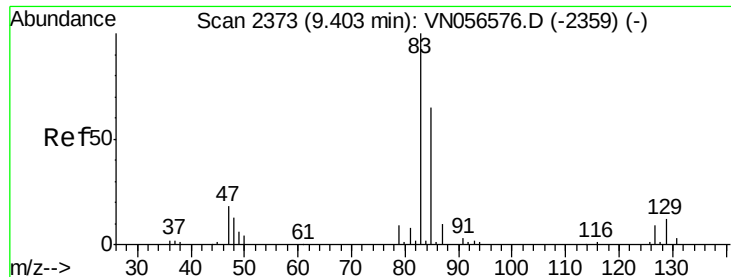
Tot Ion: 63 Resp: 8319
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.1 34.7



#40
 Dibromomethane
 Concen: 2.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 93 Resp: 5114
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 169.0
 174 107.1 0.0 246.4





#41

Bromodichloromethane

Concen: 2.453 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

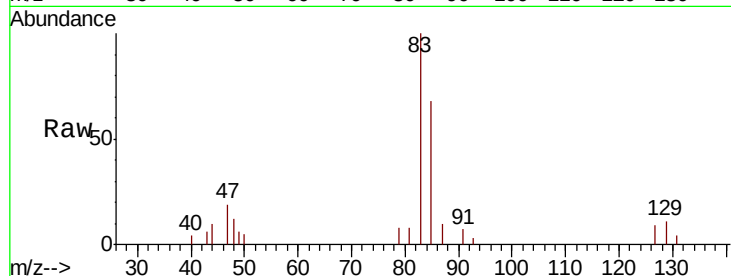
Tot Ion: 83 Resp: 9387

Ion Ratio Lower Upper

83 100

85 67.7 51.8 77.6

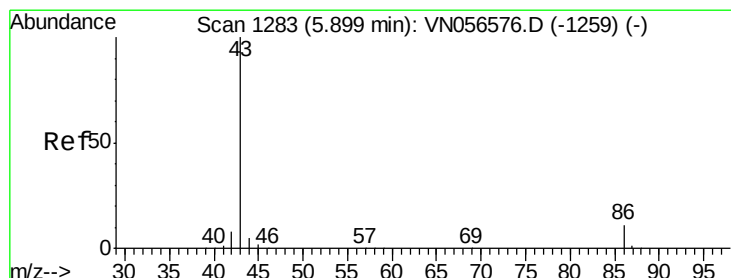
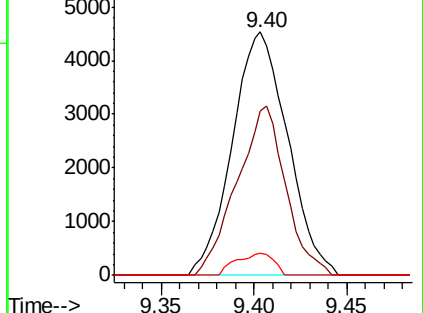
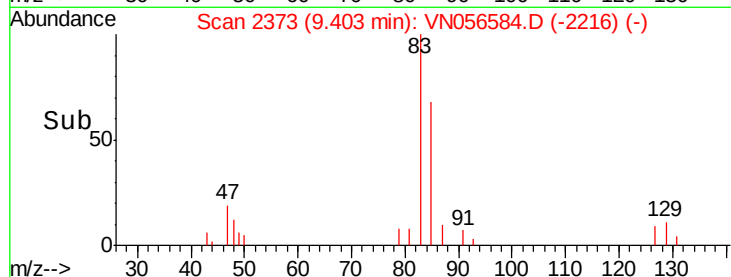
127 9.2 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056576.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN056576.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN056576.D (-2359) (-)



#42

Vinyl Acetate

Concen: 11.305 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN056584.D

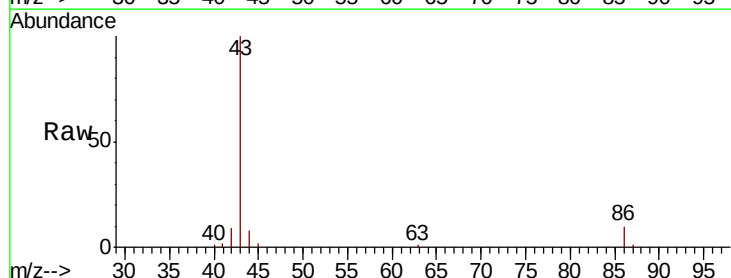
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 88563

Ion Ratio Lower Upper

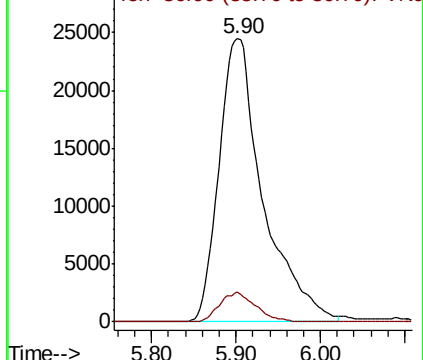
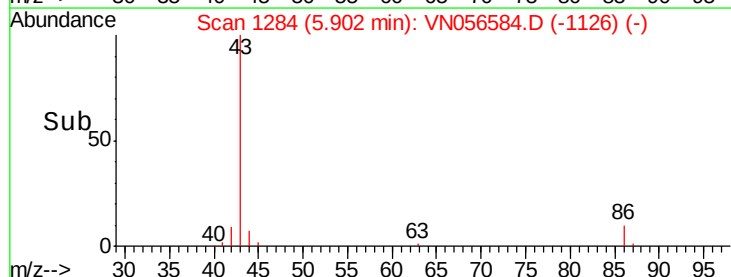
43 100

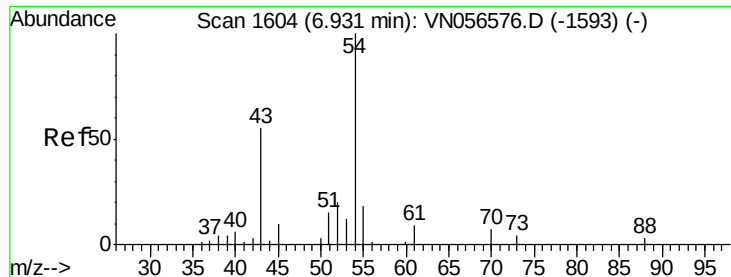
86 8.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056576.D (-1259) (-)

Ion 86.00 (85.70 to 86.70): VN056576.D (-1259) (-)

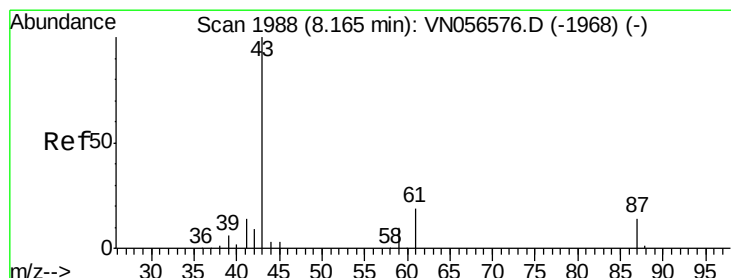
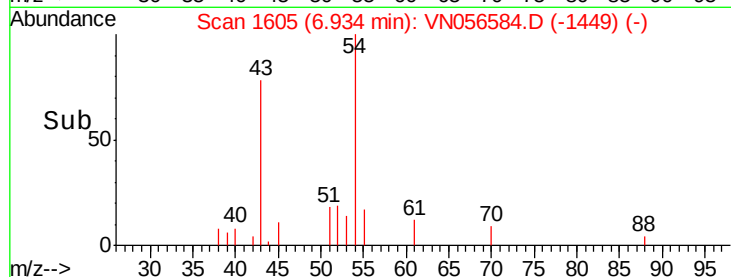
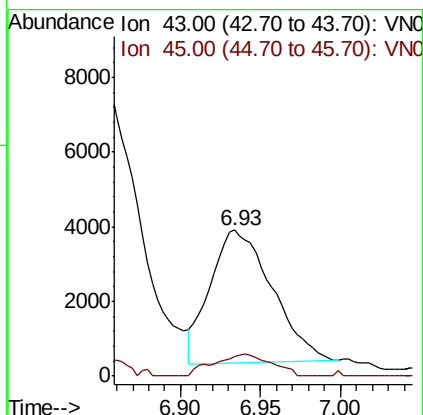
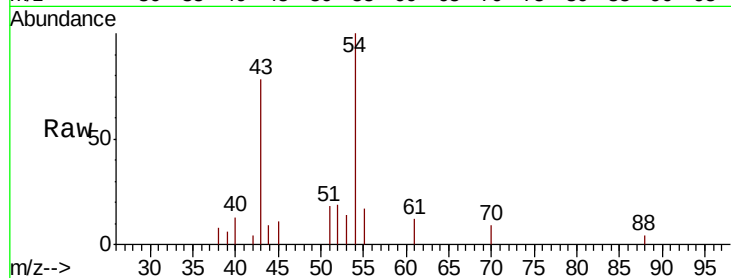




#43
Ethyl Acetate
Concen: 2.243 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

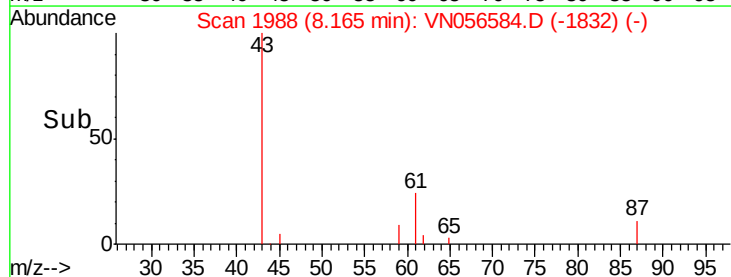
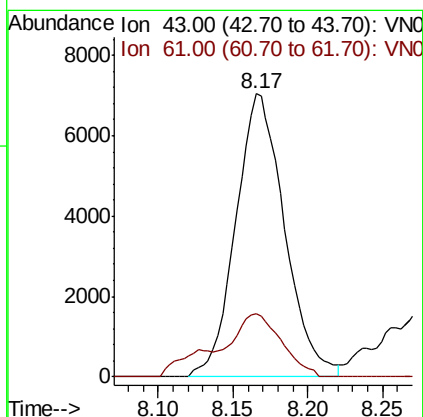
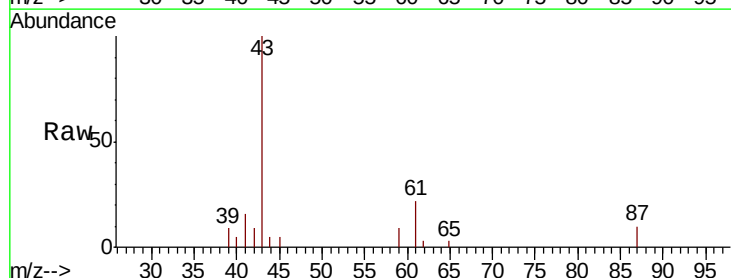
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

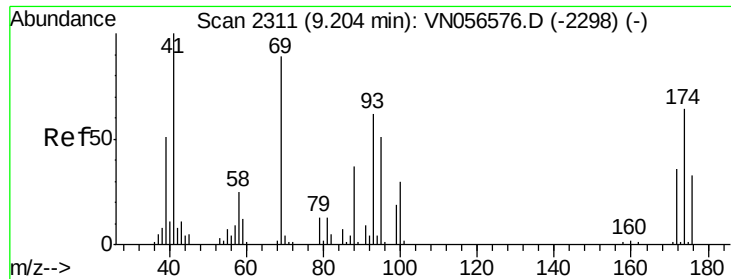
Tot Ion: 43 Resp: 9546
Ion Ratio Lower Upper
43 100
45 13.1 12.3 18.5



#44
Isopropyl Acetate
Concen: 2.410 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 16005
Ion Ratio Lower Upper
43 100
61 21.0 16.9 25.3





#45

1,4-Dioxane

Concen: 25.395 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

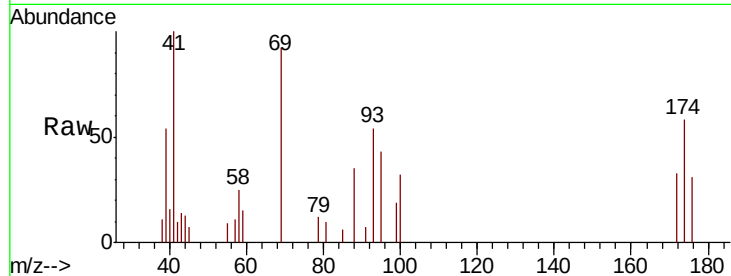
Tot Ion: 88 Resp: 1650

Ion Ratio Lower Upper

88 100

43 47.4 19.8 29.6#

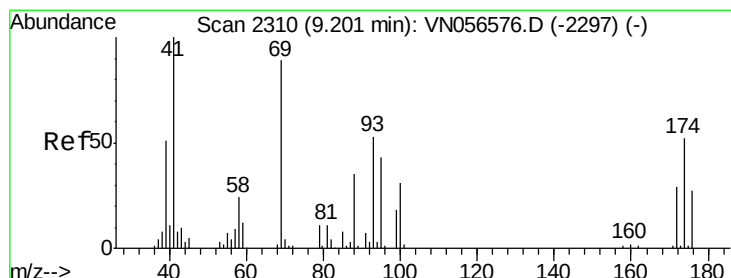
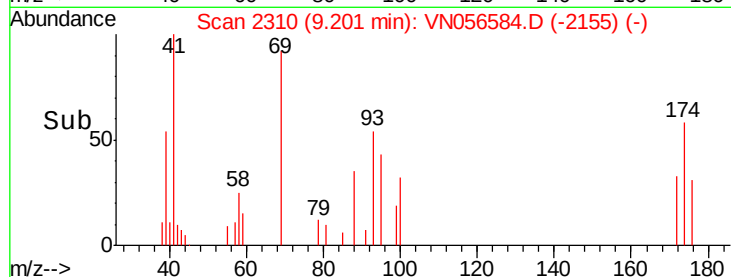
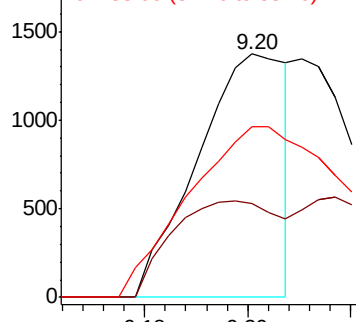
58 133.3 48.5 72.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 2.558 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

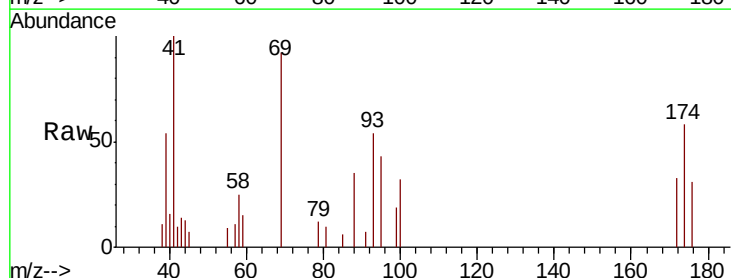
Tgt Ion: 41 Resp: 8347

Ion Ratio Lower Upper

41 100

69 91.9 46.0 137.8

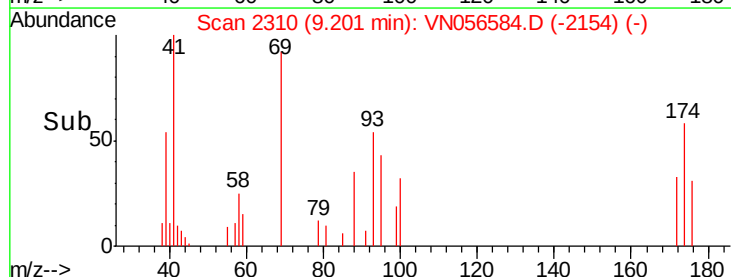
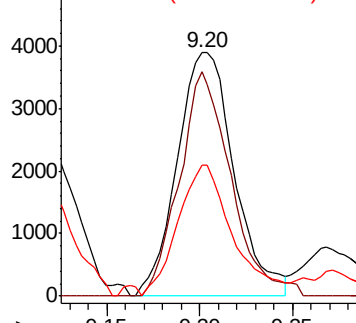
39 50.1 24.6 73.8

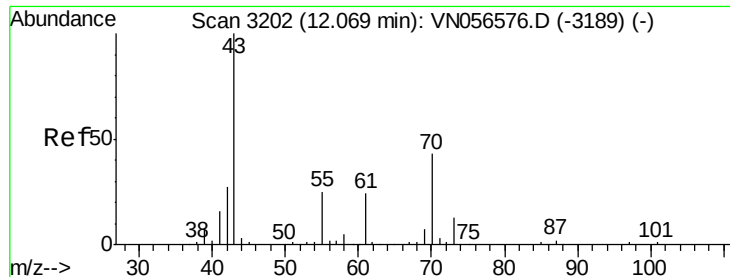


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 2.110 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

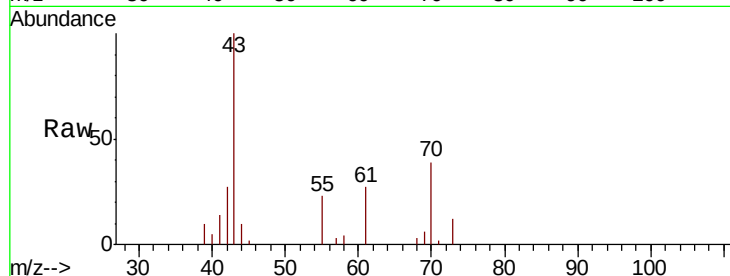
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 11646

Ion Ratio Lower Upper

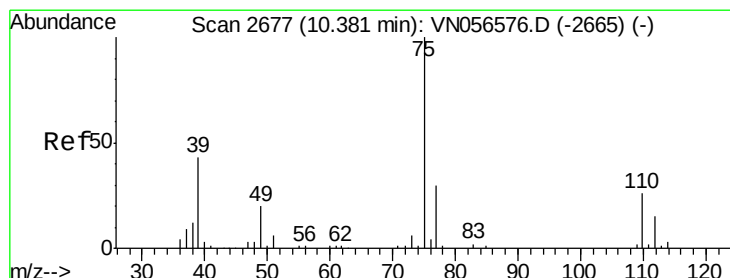
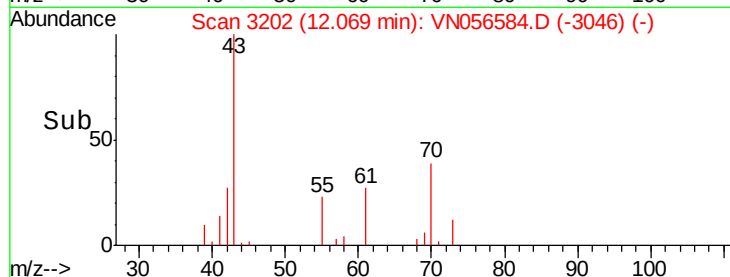
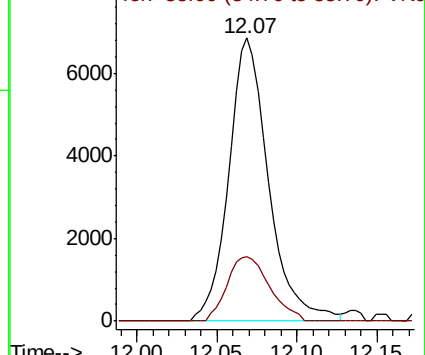
43 100

55 24.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 2.094 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056584.D

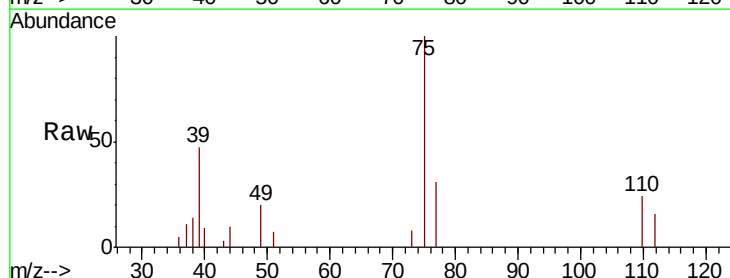
Acq: 3 Jul 2019 13:25

Tgt Ion: 75 Resp: 8591

Ion Ratio Lower Upper

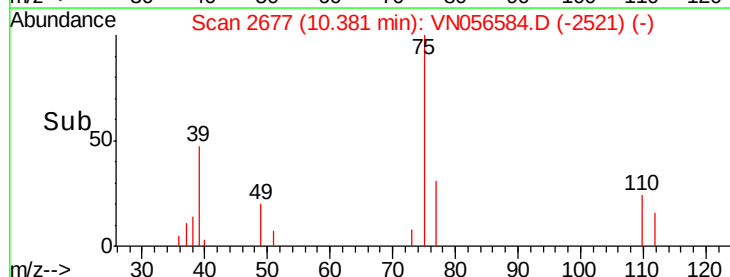
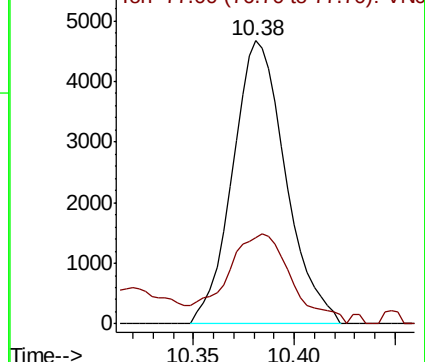
75 100

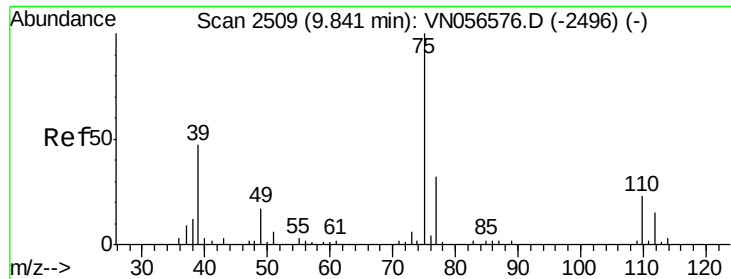
77 27.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



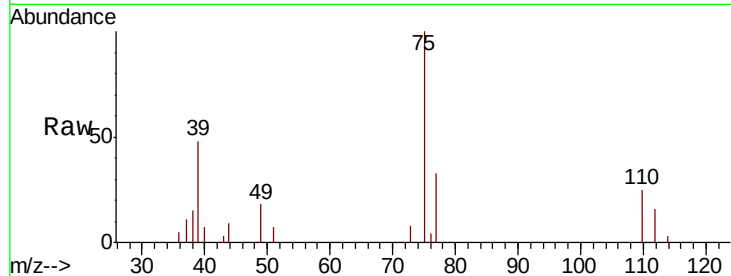


#49

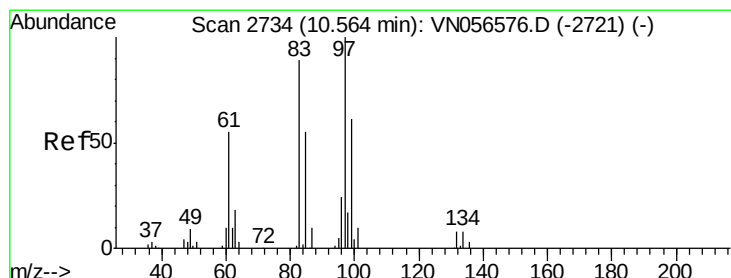
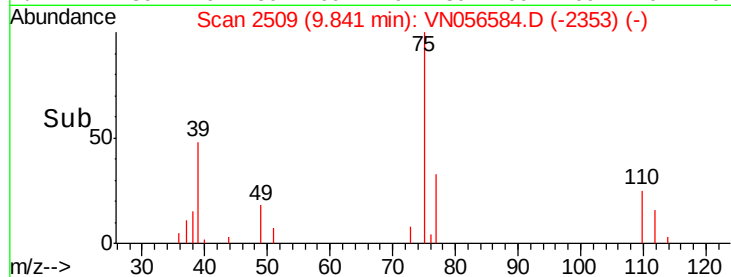
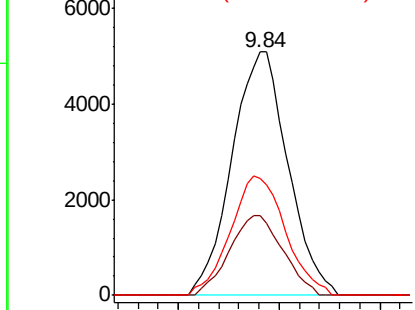
cis-1,3-Dichloropropene
Concen: 2.088 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 9878
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7
39 48.2 34.3 51.5



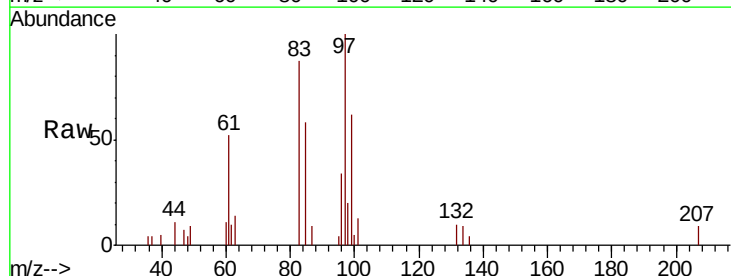
Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



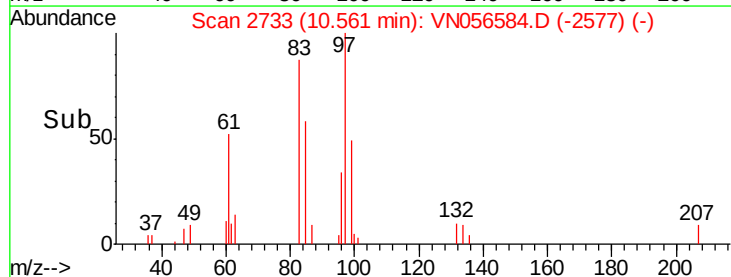
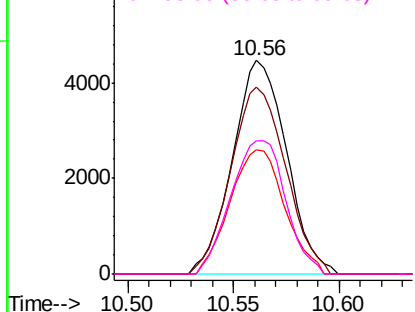
#50

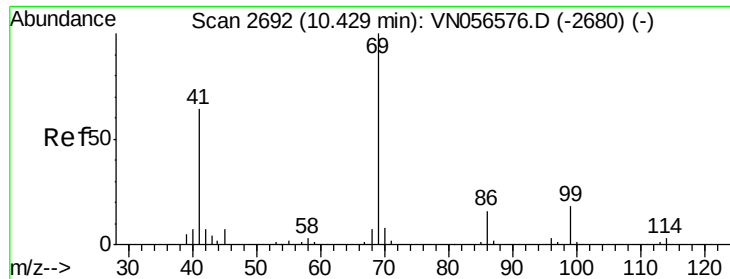
1,1,2-Trichloroethane
Concen: 2.608 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 97 Resp: 7935
Ion Ratio Lower Upper
97 100
83 87.4 66.9 100.3
85 58.2 43.3 64.9
99 62.1 48.6 73.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO

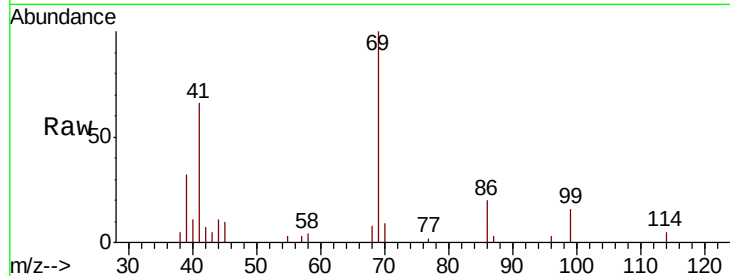




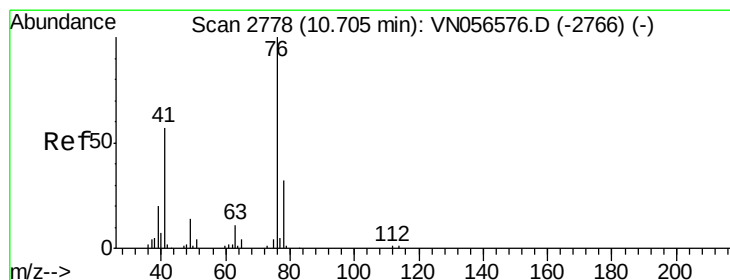
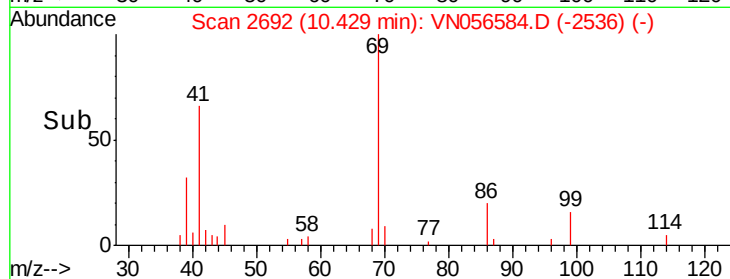
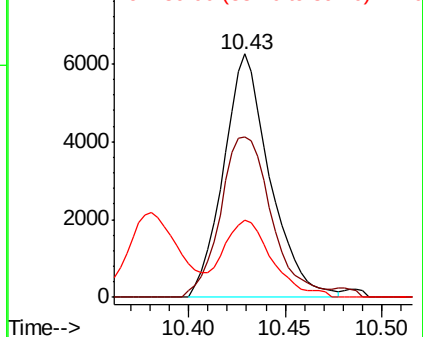
#51
Ethyl methacrylate
Concen: 2.164 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 69 Resp: 10367
Ion Ratio Lower Upper
69 100
41 63.0 30.8 92.3
39 31.6 14.5 43.6

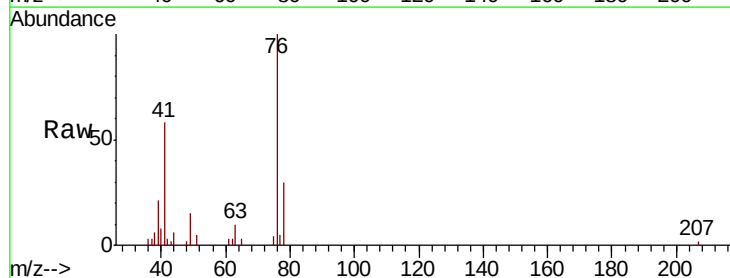


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

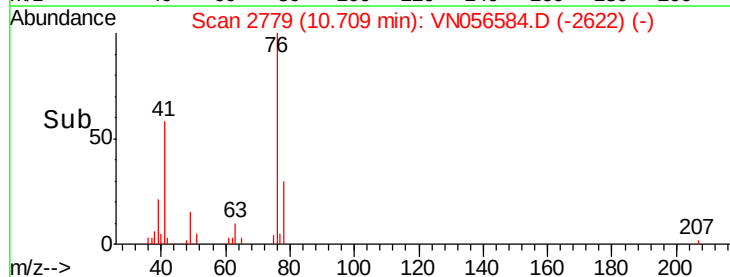
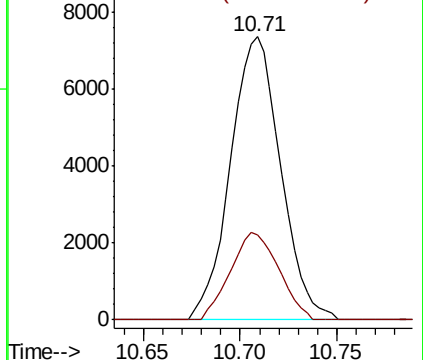


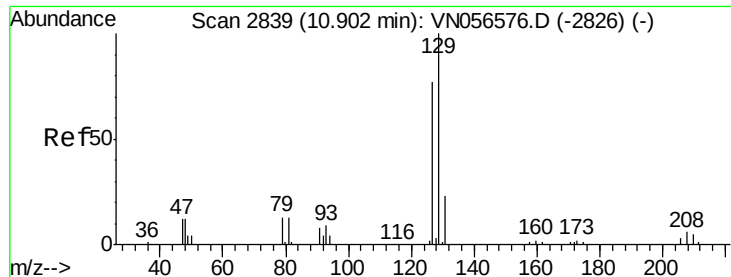
#52
1,3-Dichloropropane
Concen: 2.565 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 76 Resp: 13258
Ion Ratio Lower Upper
76 100
78 29.8 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 2.065 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

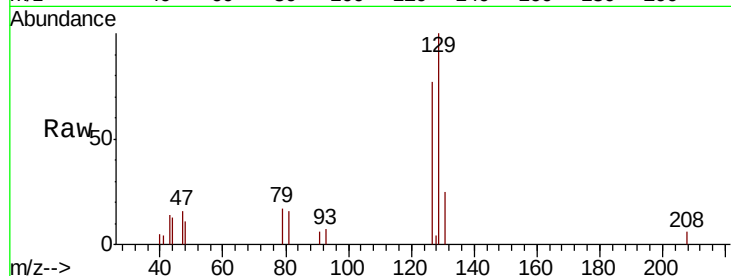
LOD-MDL-WATER-01-QT3-2019

Tot Ion:129 Resp: 6159

Ion Ratio Lower Upper

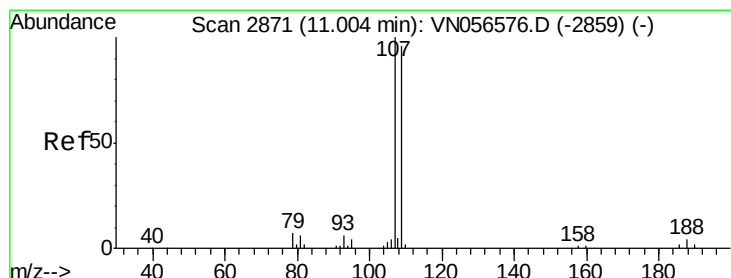
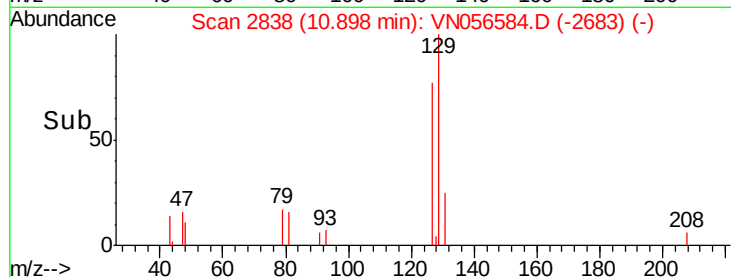
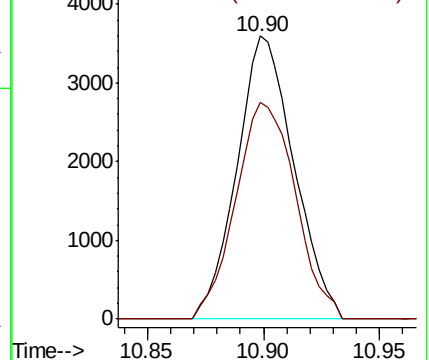
129 100

127 80.1 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.395 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056584.D

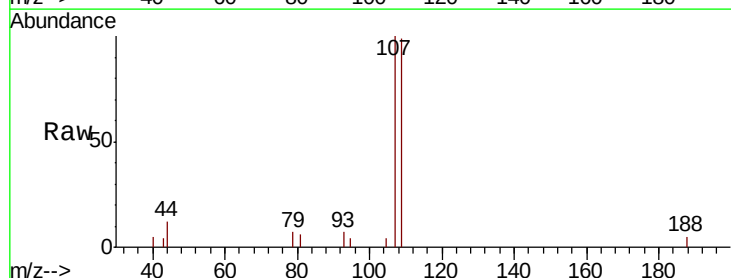
Acq: 3 Jul 2019 13:25

Tgt Ion:107 Resp: 7591

Ion Ratio Lower Upper

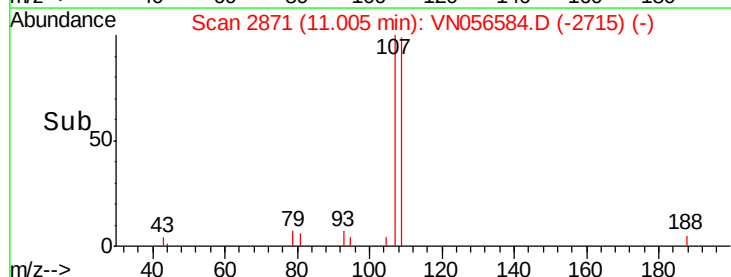
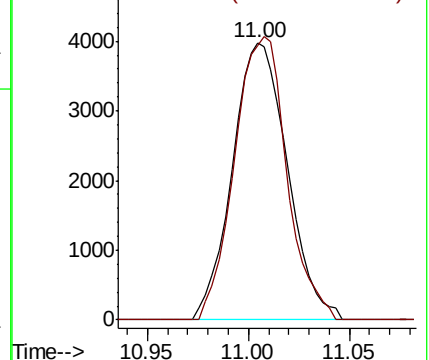
107 100

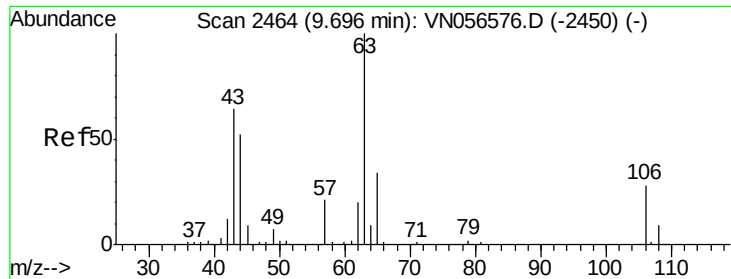
109 97.2 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

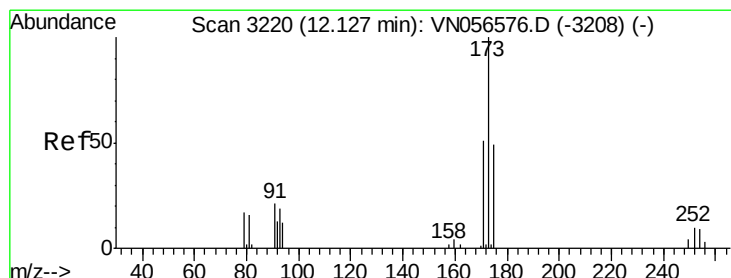
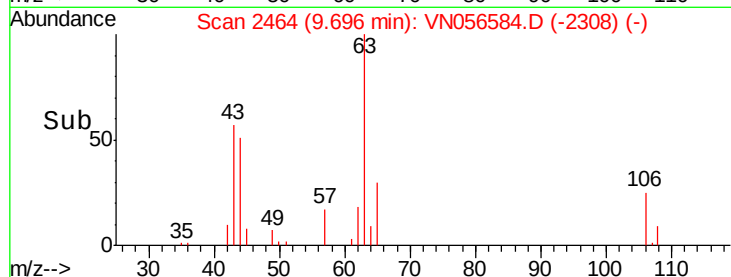
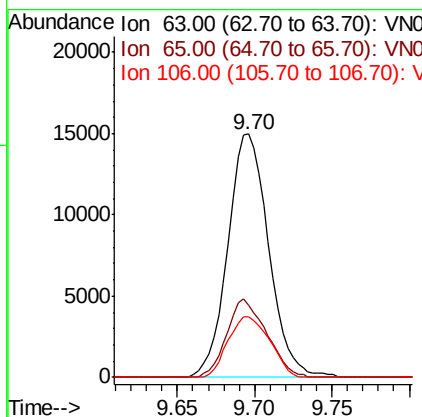
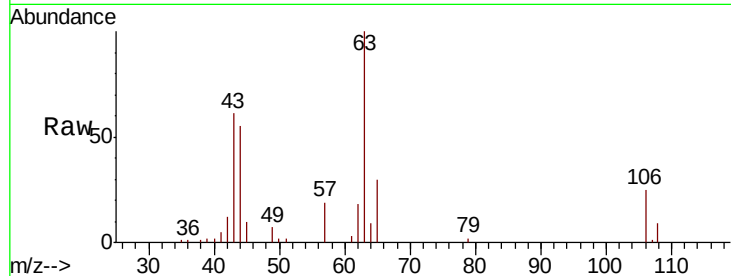




#55
2-Chloroethyl vinyl ether
Concen: 11.244 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

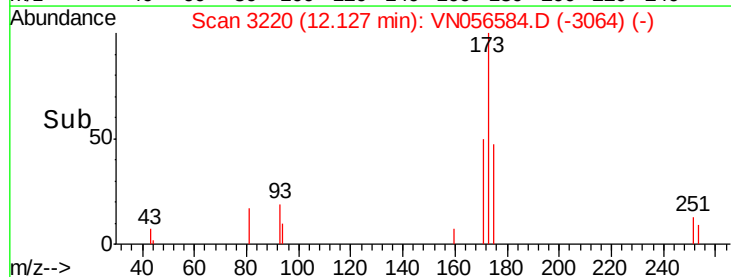
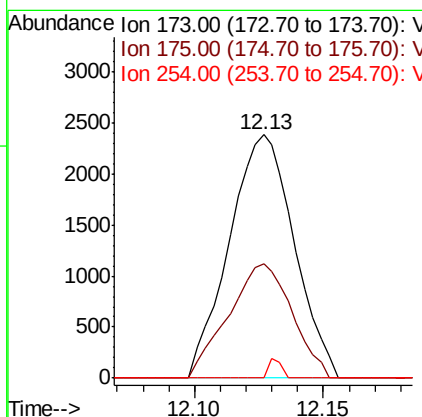
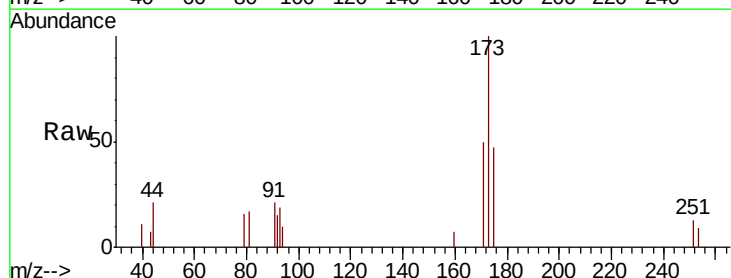
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

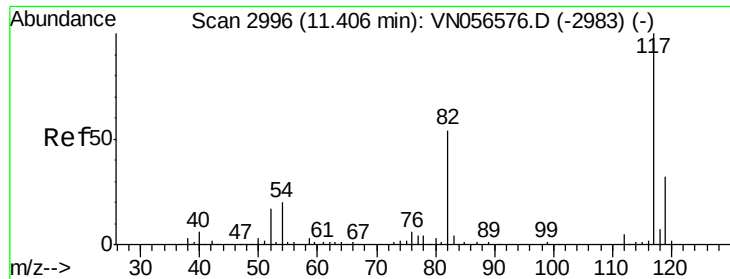
Tot Ion: 63 Resp: 27452
Ion Ratio Lower Upper
63 100
65 31.3 25.5 38.3
106 25.3 23.0 34.4



#56
Bromoform
Concen: 1.930 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 173 Resp: 4181
Ion Ratio Lower Upper
173 100
175 45.9 38.7 58.1
254 1.6 6.6 9.8#

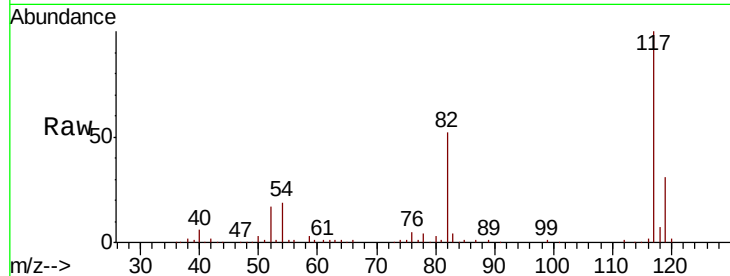




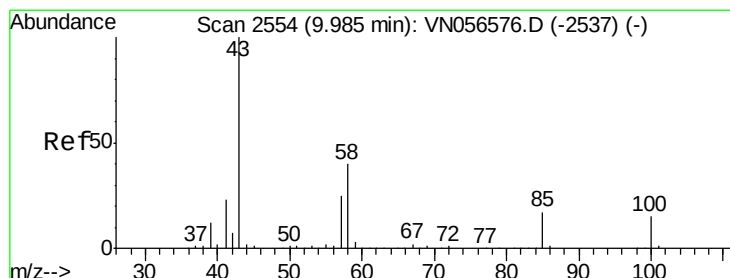
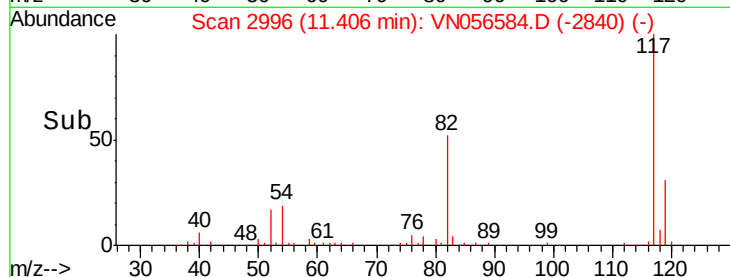
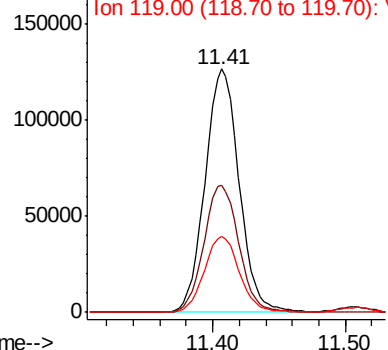
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 225401
Ion Ratio Lower Upper
117 100
82 53.8 41.2 61.8
119 32.1 26.2 39.2

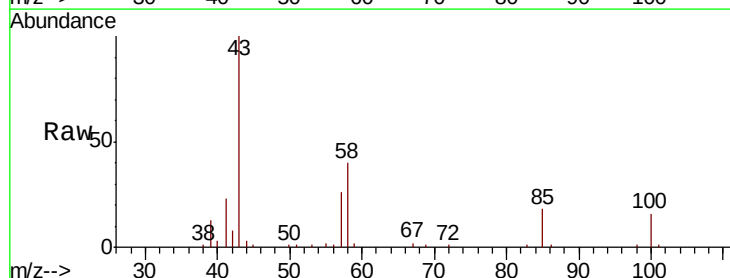


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

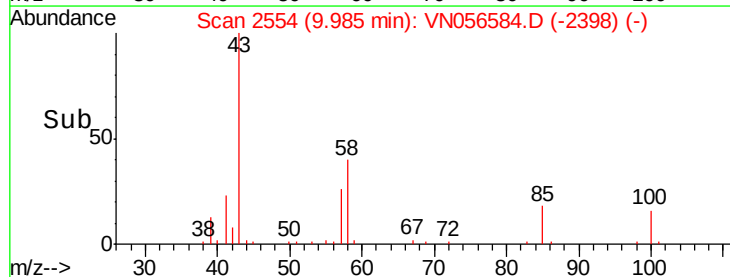
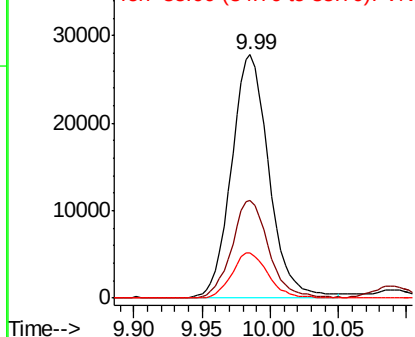


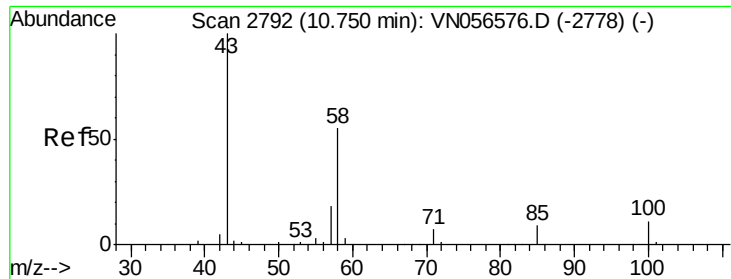
#58
4-Methyl-2-Pentanone
Concen: 13.144 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 53270
Ion Ratio Lower Upper
43 100
58 39.3 33.1 49.7
85 17.7 15.5 23.3



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

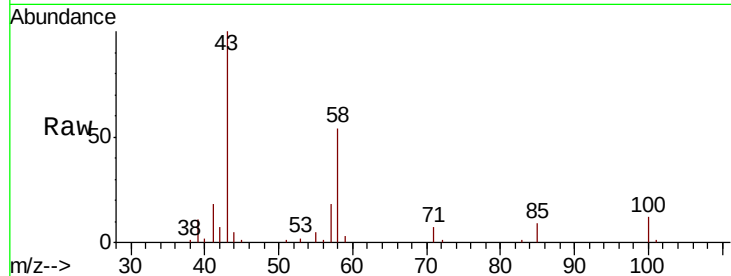




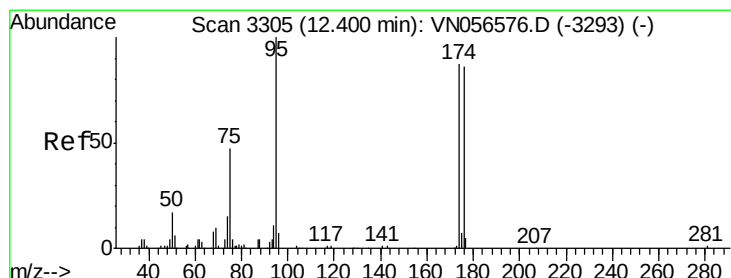
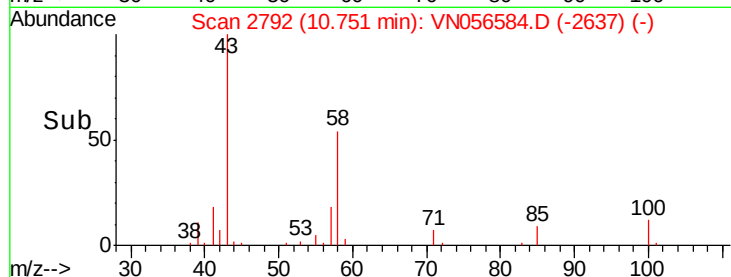
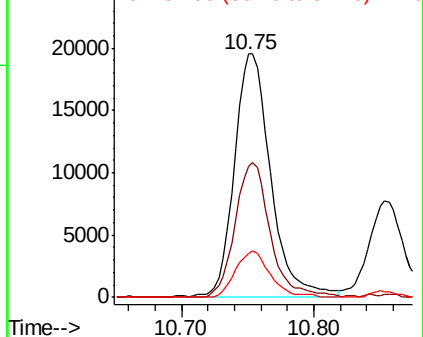
#59
2-Hexanone
Concen: 12.408 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 37313
Ion Ratio Lower Upper
43 100
58 53.2 45.3 67.9
57 17.6 15.6 23.4

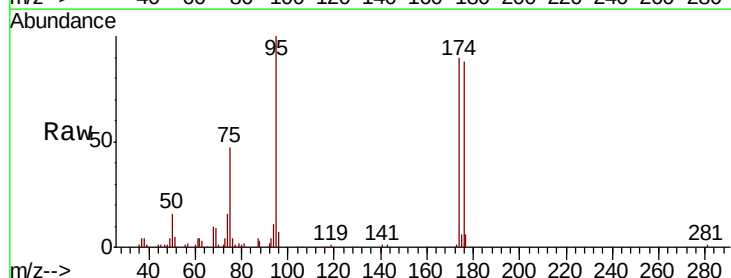


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

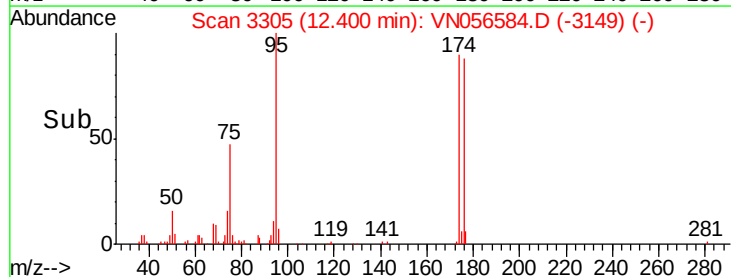
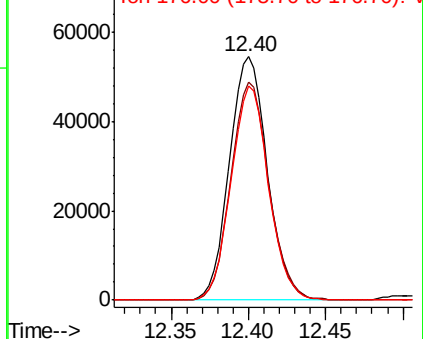


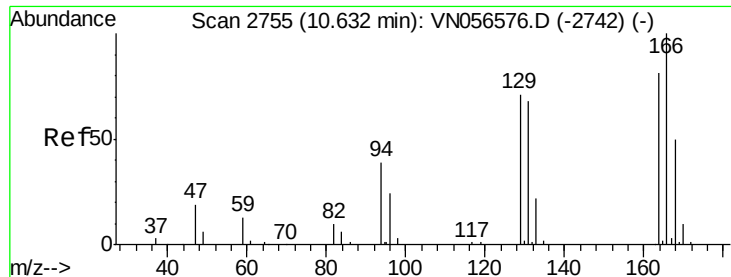
#60
4-Bromofluorobenzene
Concen: 26.820 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 95 Resp: 92894
Ion Ratio Lower Upper
95 100
174 89.3 75.4 113.0
176 86.9 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

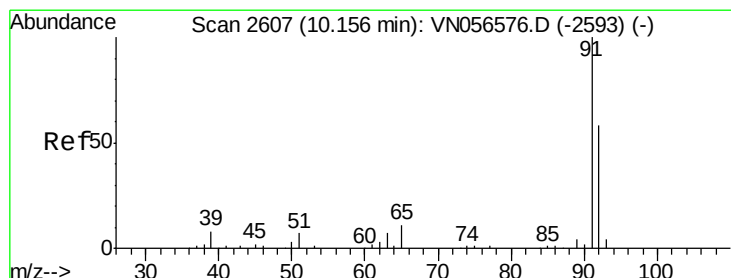
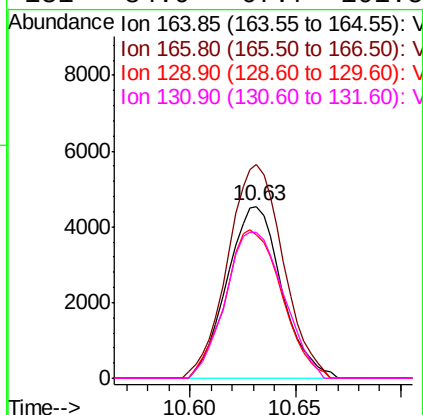
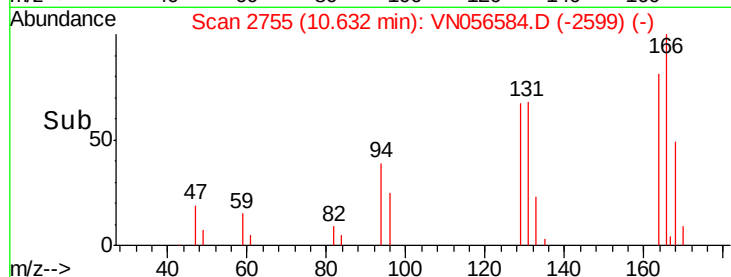
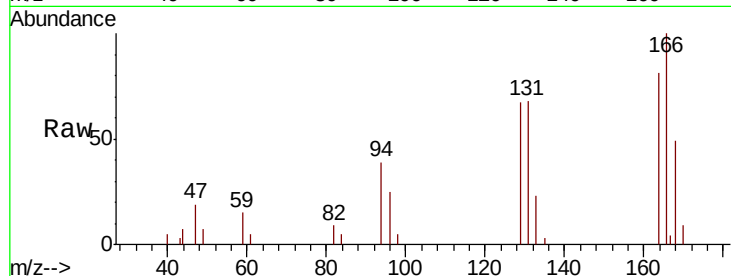




#61
Tetrachloroethene
Concen: 2.891 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

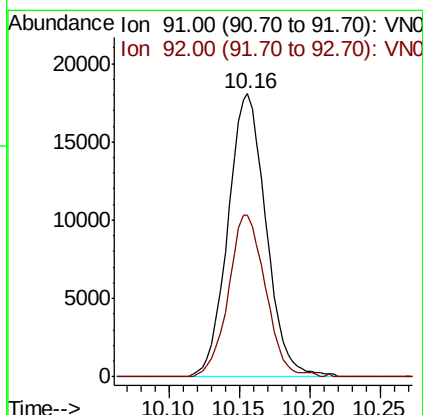
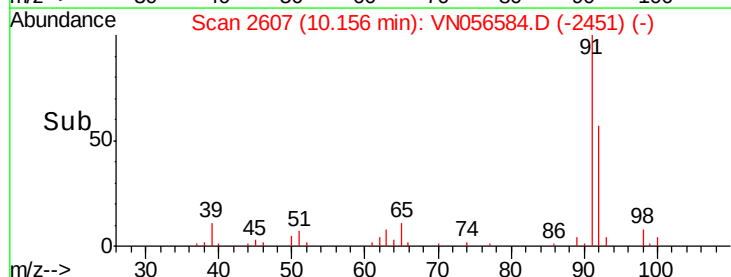
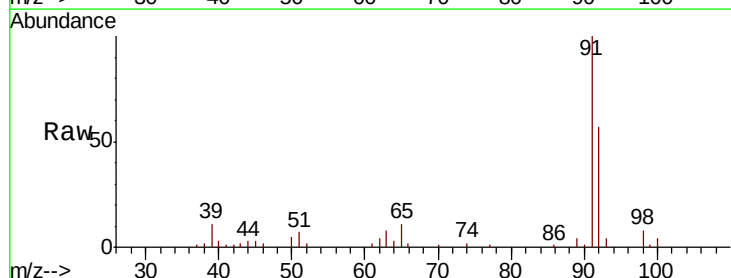
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

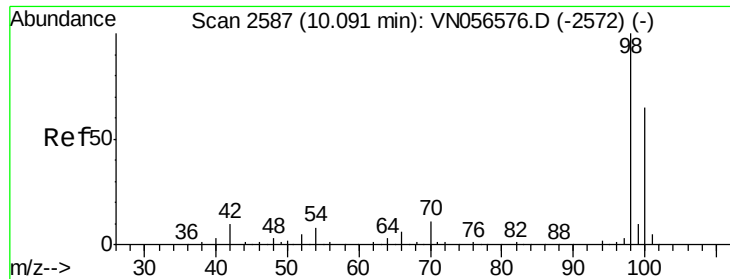
Tot Ion:164 Resp: 8179
Ion Ratio Lower Upper
164 100
166 124.2 104.3 156.5
129 83.3 71.5 107.3
131 84.9 67.7 101.5



#62
Toluene
Concen: 2.715 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 91 Resp: 34155
Ion Ratio Lower Upper
91 100
92 55.2 45.5 68.3

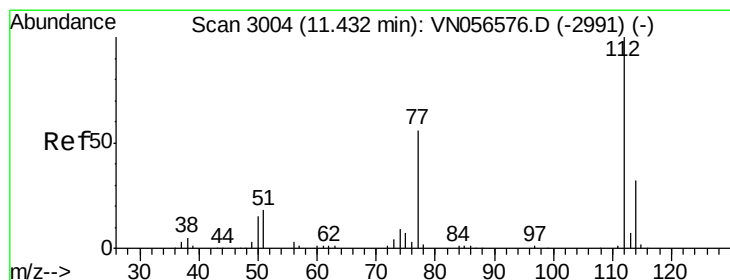
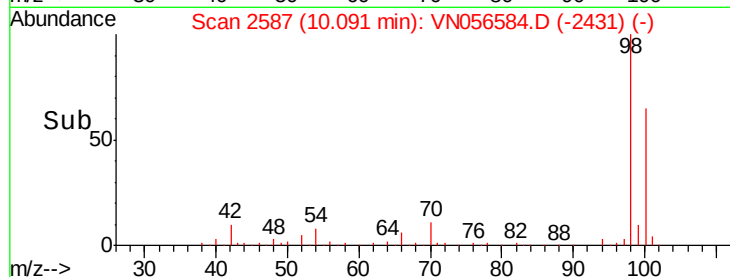
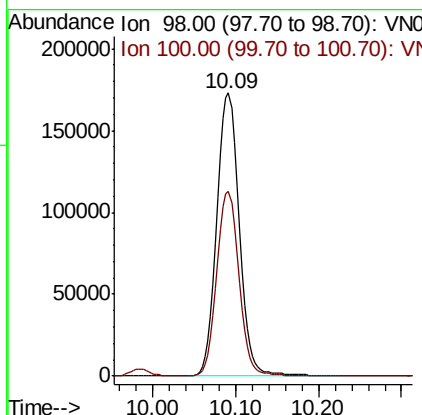
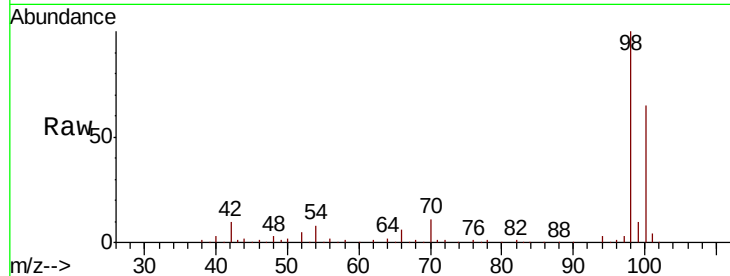




#63
Toluene-d8
Concen: 31.145 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

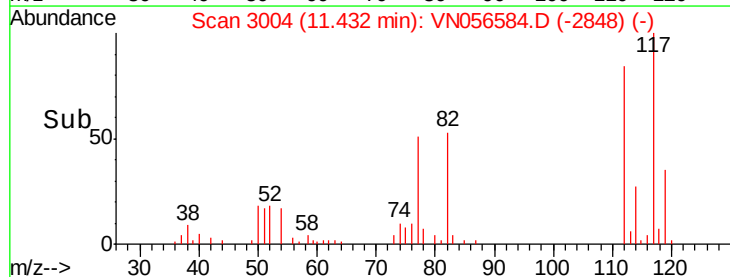
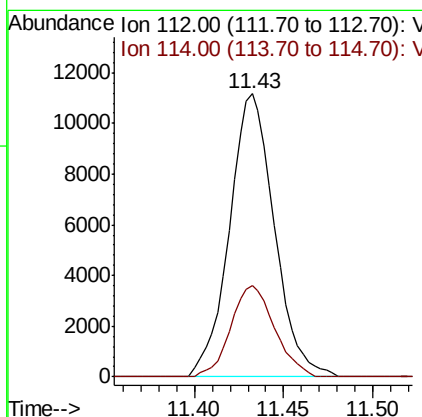
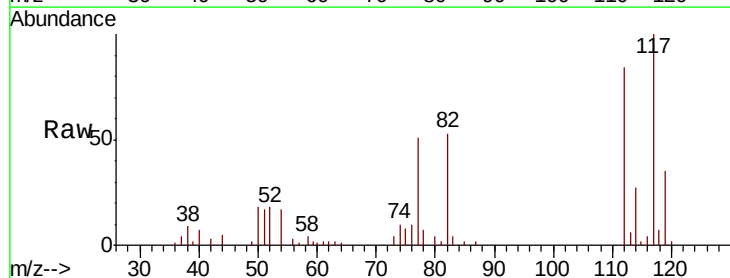
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

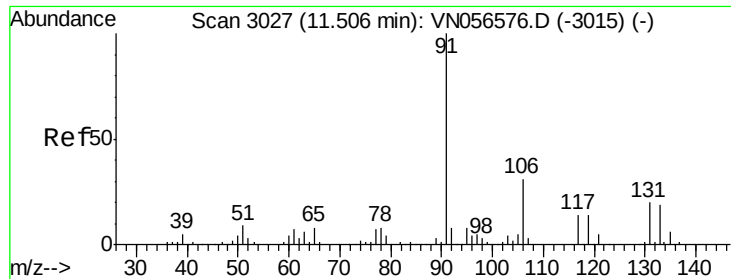
Tot Ion: 98 Resp: 326218
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#64
Chlorobenzene
Concen: 2.591 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 112 Resp: 19637
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 2.417 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

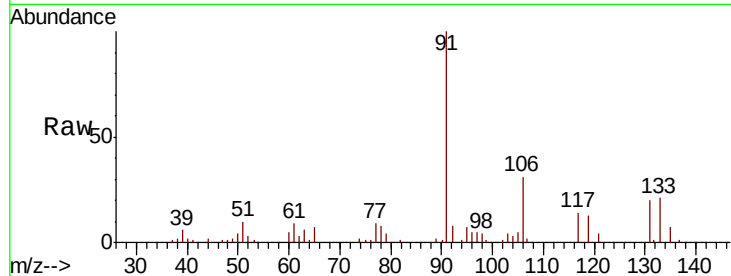
Tot Ion:131 Resp: 6596

Ion Ratio Lower Upper

131 100

133 96.8 0.0 193.8

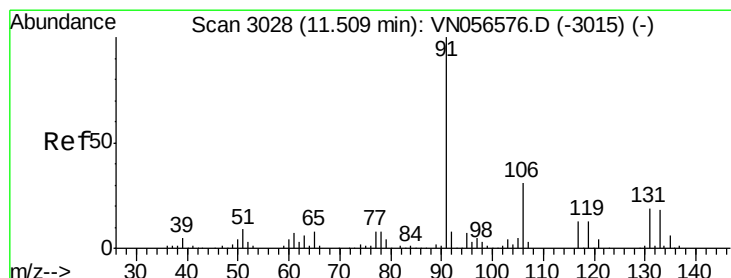
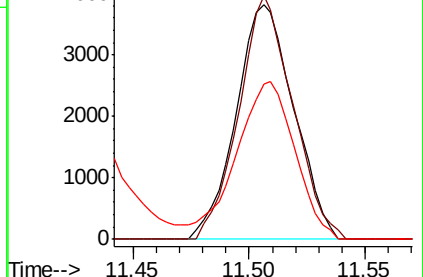
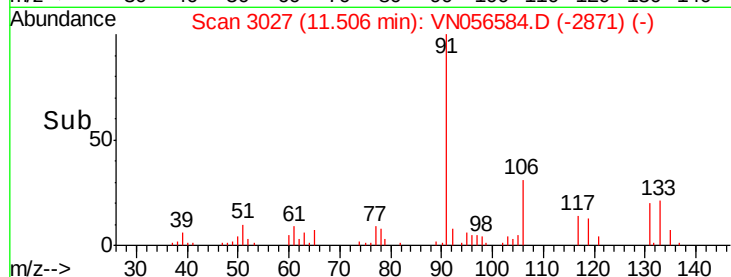
119 68.2 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.492 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056584.D

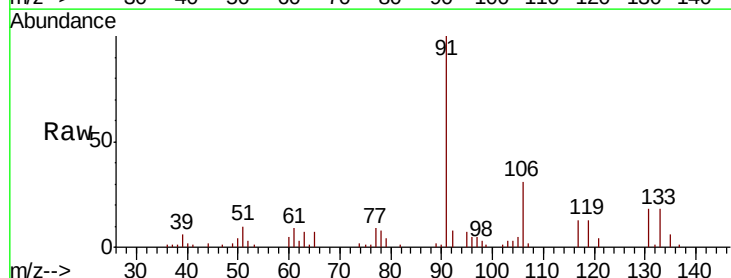
Acq: 3 Jul 2019 13:25

Tgt Ion: 91 Resp: 33992

Ion Ratio Lower Upper

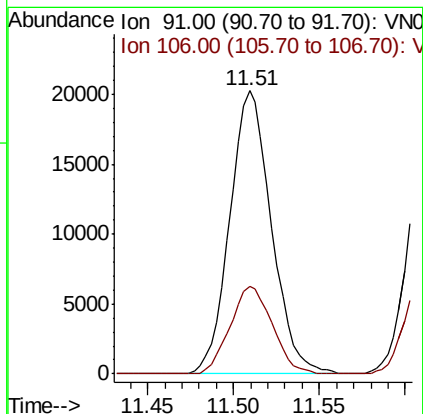
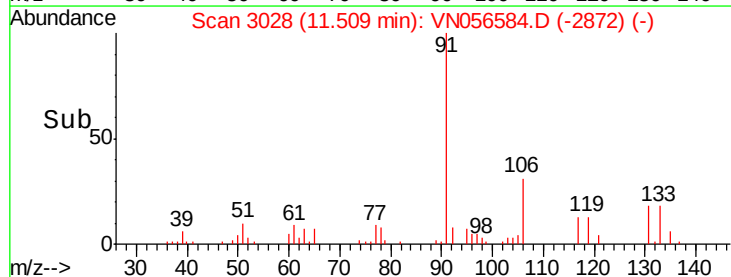
91 100

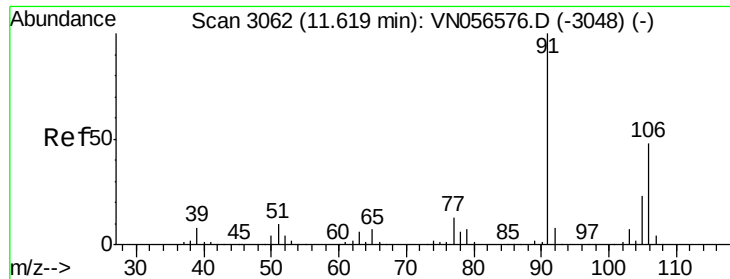
106 31.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

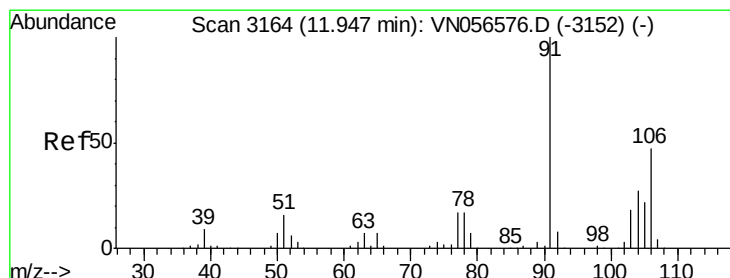
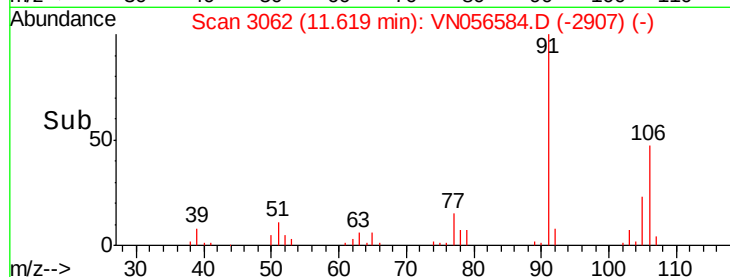
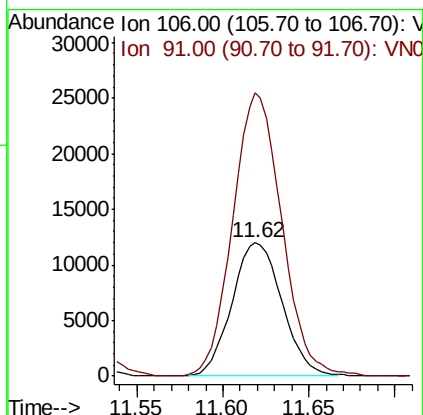
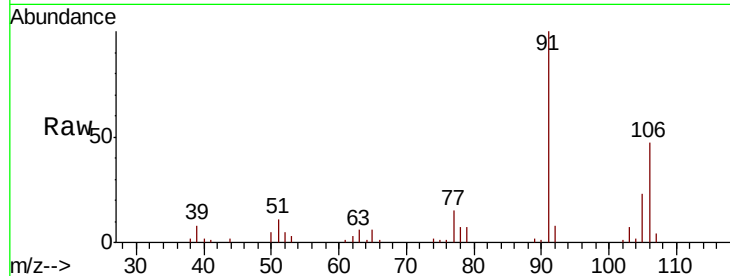




#67
m/p-Xylenes
Concen: 4.847 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

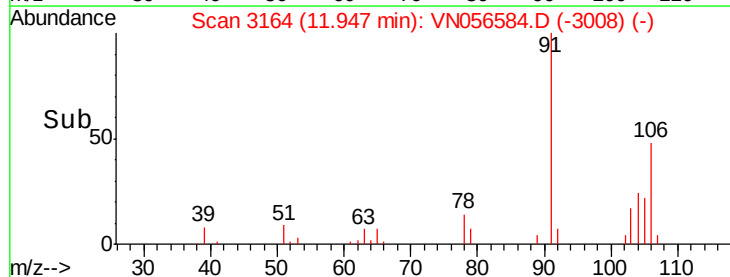
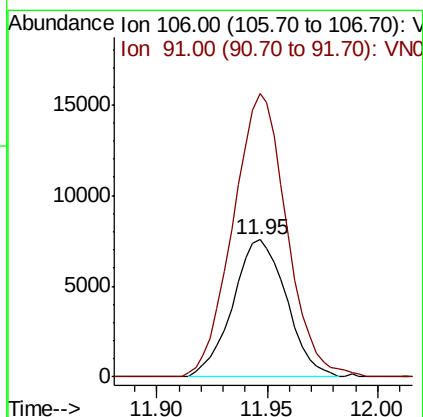
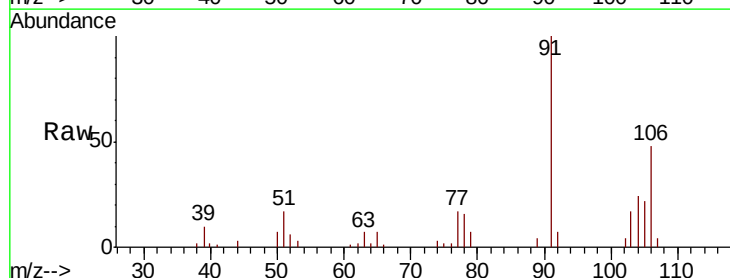
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

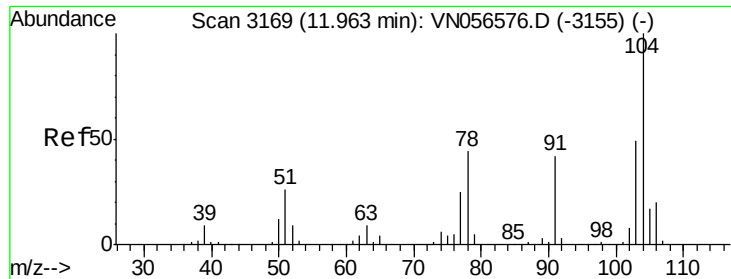
Tot Ion:106 Resp: 24398
Ion Ratio Lower Upper
106 100
91 207.2 155.7 233.5



#68
o-Xylene
Concen: 2.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:106 Resp: 12757
Ion Ratio Lower Upper
106 100
91 207.6 103.9 311.7

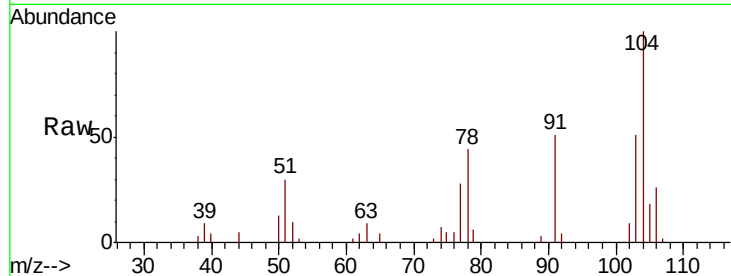




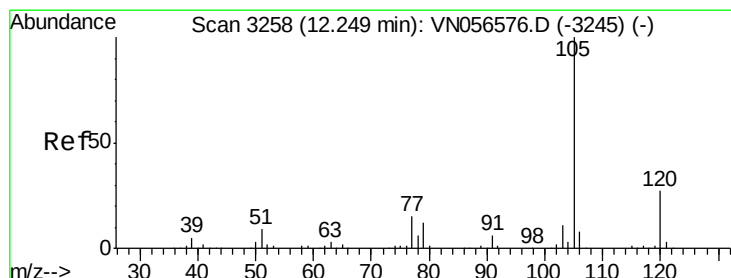
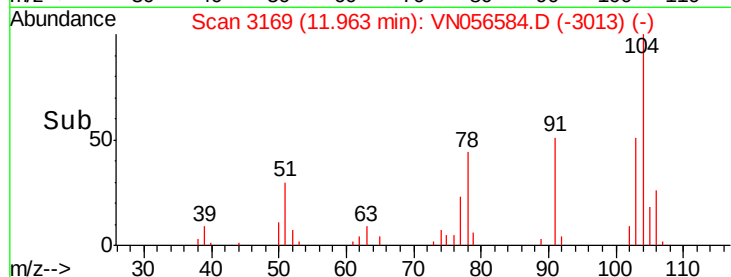
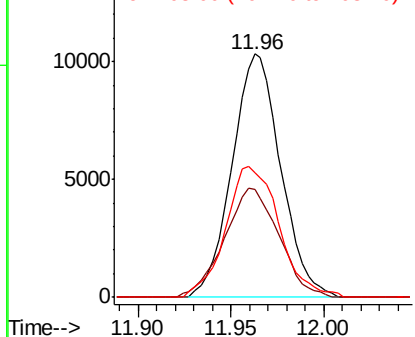
#69
Stvrene
Concen: 2.270 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:104 Resp: 18799
Ion Ratio Lower Upper
104 100
78 50.1 37.0 55.6
103 59.3 44.4 66.6

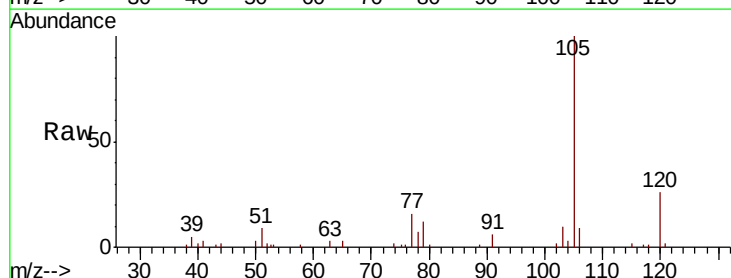


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

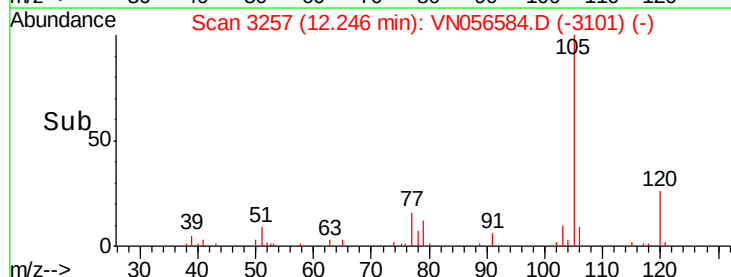
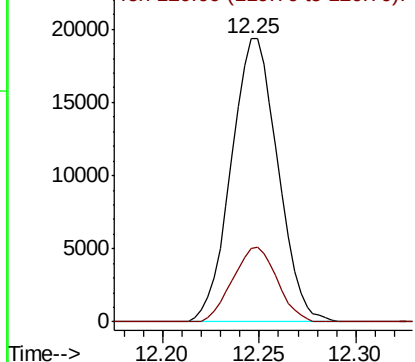


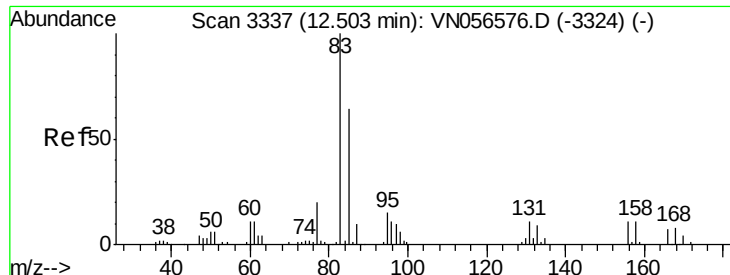
#70
Isopropylbenzene
Concen: 2.498 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:105 Resp: 32447
Ion Ratio Lower Upper
105 100
120 25.0 19.3 35.8



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

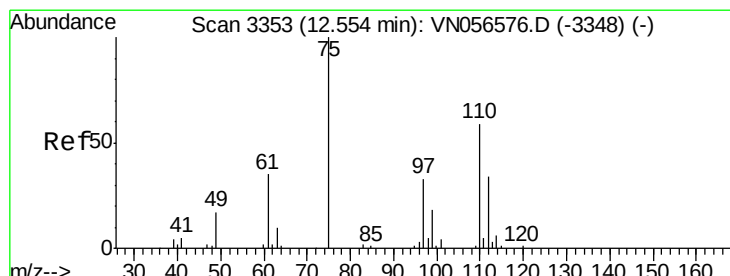
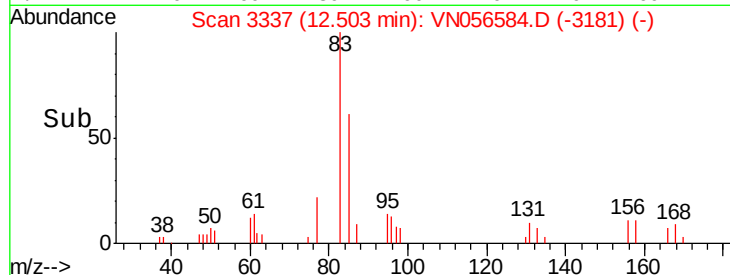
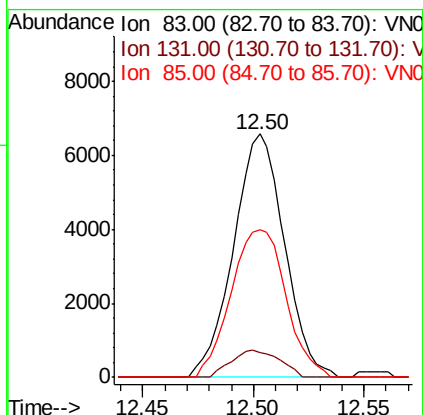
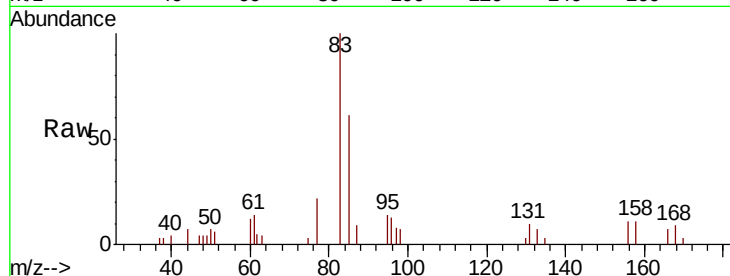




#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.459 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

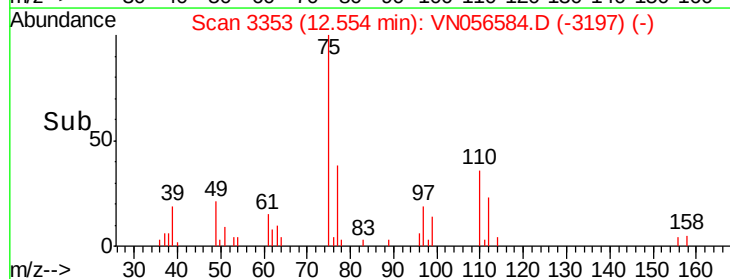
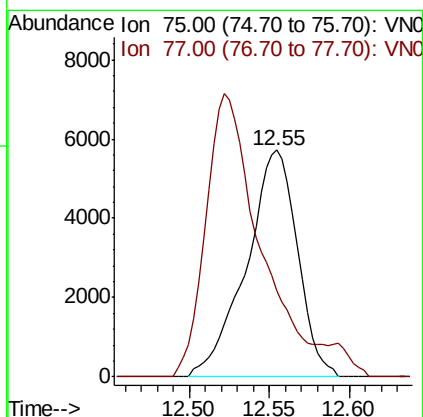
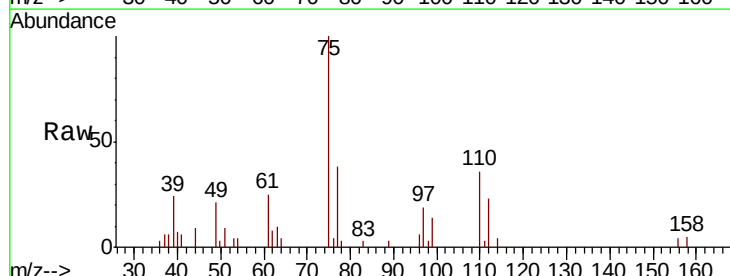
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

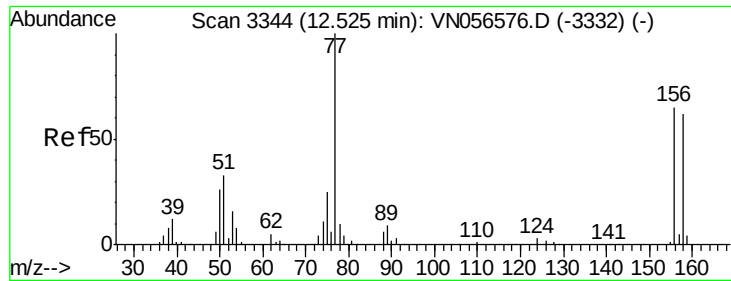
Tot Ion: 83 Resp: 10559
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.2 15.6
 85 65.3 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 3.490 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 75 Resp: 12604
 Ion Ratio Lower Upper
 75 100
 77 130.3 0.0 350.0





#73

Bromobenzene

Concen: 2.311 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

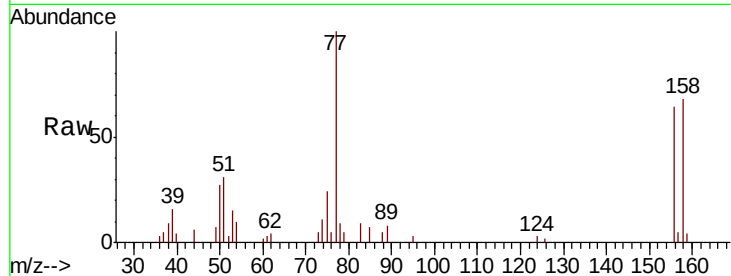
Tot Ion:156 Resp: 7741

Ion Ratio Lower Upper

156 100

77 212.1 0.0 350.8

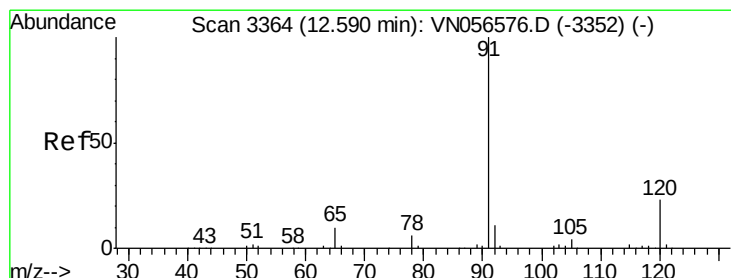
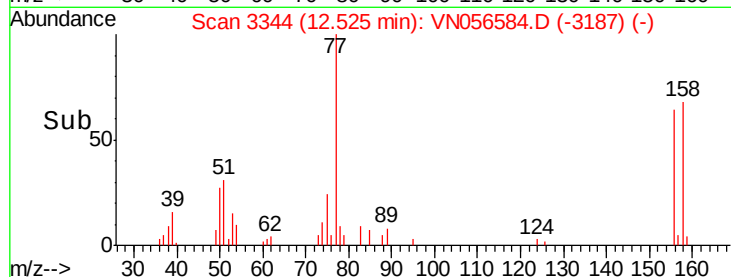
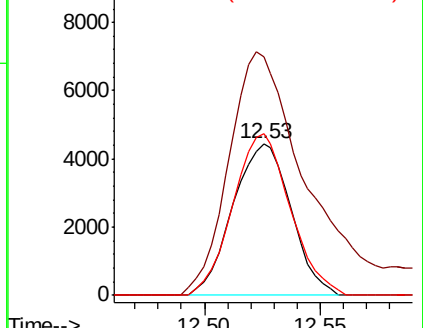
158 105.4 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.332 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056584.D

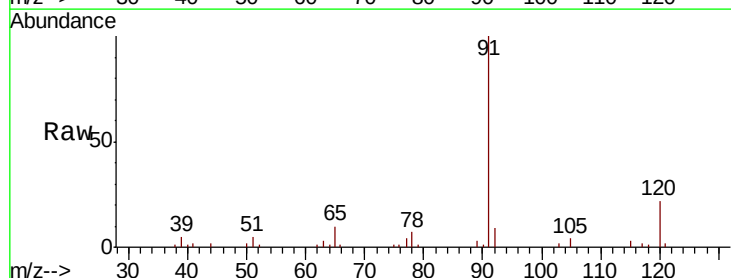
Acq: 3 Jul 2019 13:25

Tgt Ion: 91 Resp: 34367

Ion Ratio Lower Upper

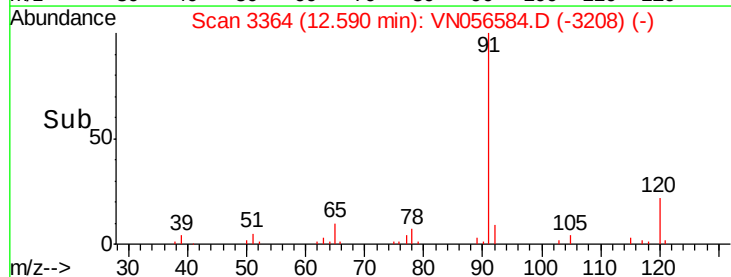
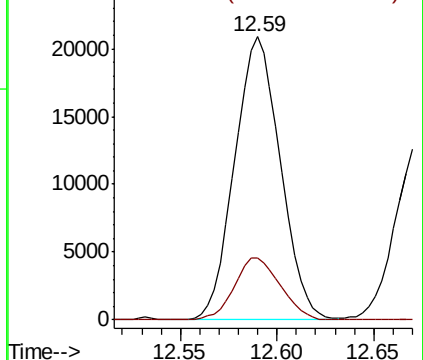
91 100

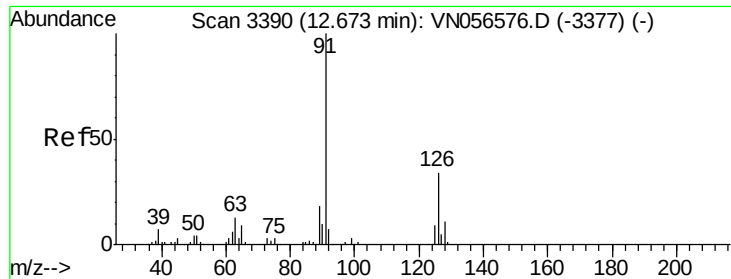
120 21.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.498 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

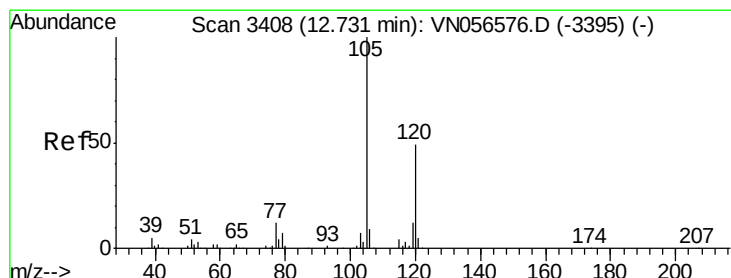
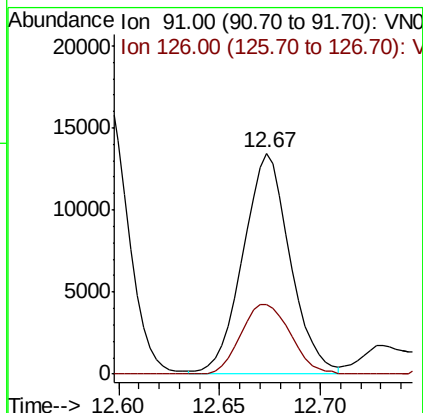
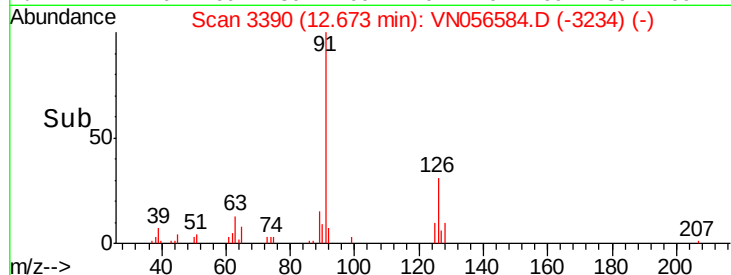
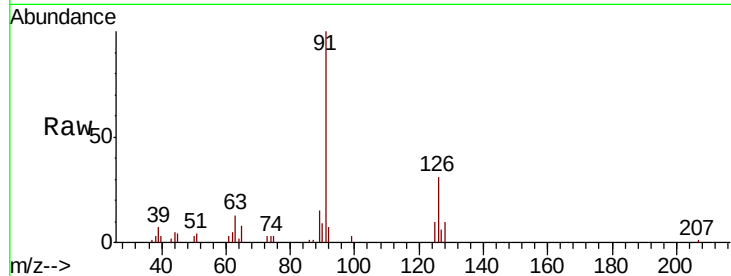
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 22011

Ion Ratio Lower Upper

91 100

126 33.3 0.0 72.4



#76

1,3,5-Trimethylbenzene

Concen: 2.317 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056584.D

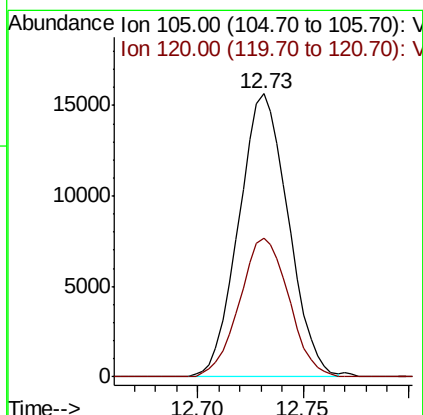
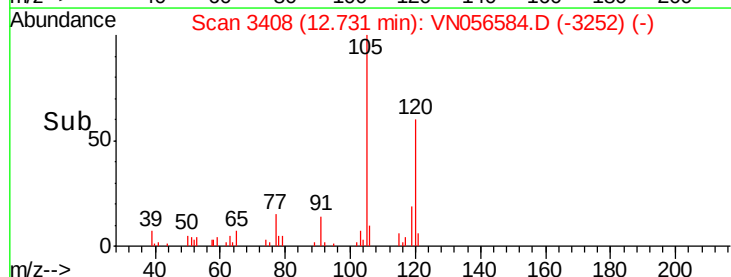
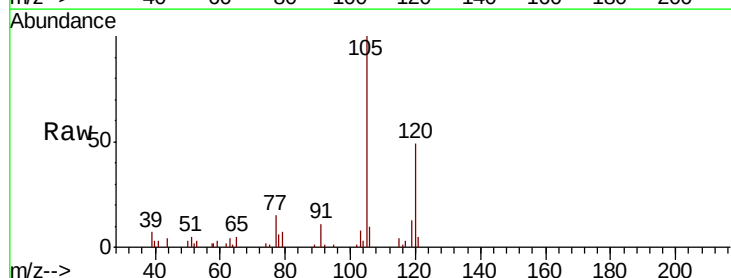
Acq: 3 Jul 2019 13:25

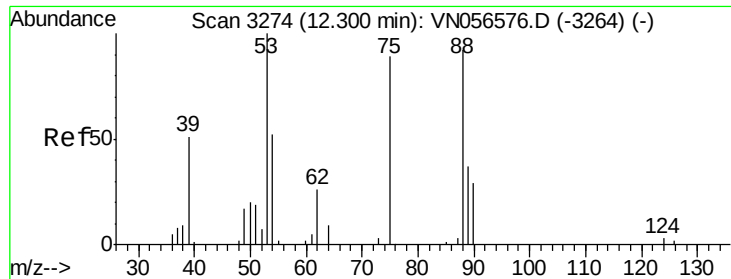
Tgt Ion: 105 Resp: 25484

Ion Ratio Lower Upper

105 100

120 48.9 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.587 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

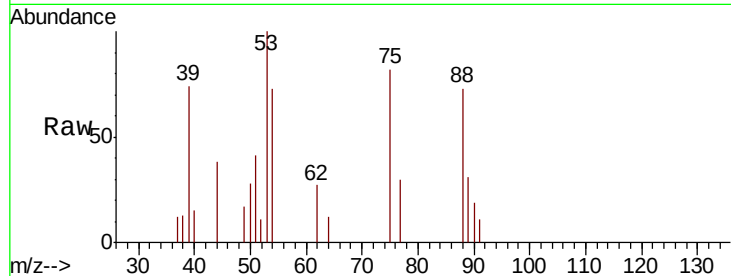
Tot Ion: 75 Resp: 1836

Ion Ratio Lower Upper

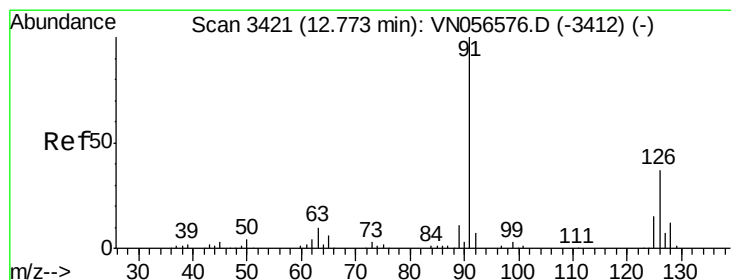
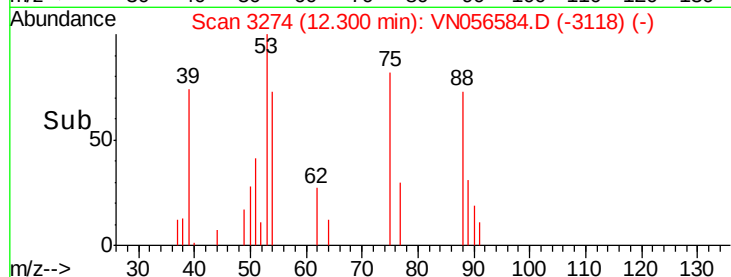
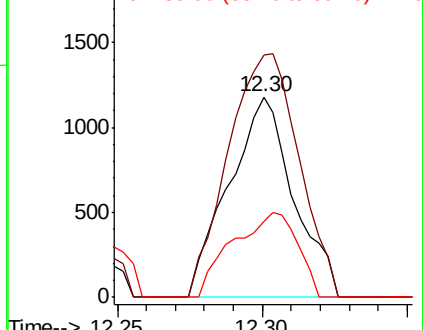
75 100

53 121.4 48.0 144.0

89 38.0 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 2.139 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056584.D

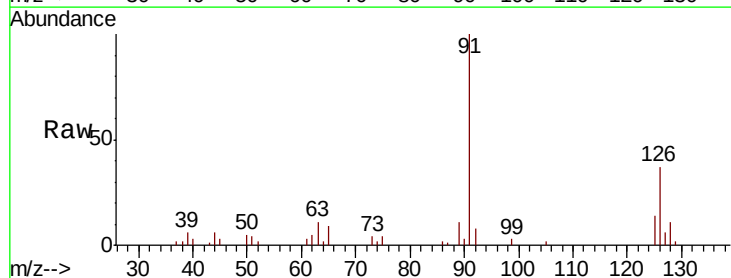
Acq: 3 Jul 2019 13:25

Tgt Ion: 91 Resp: 18332

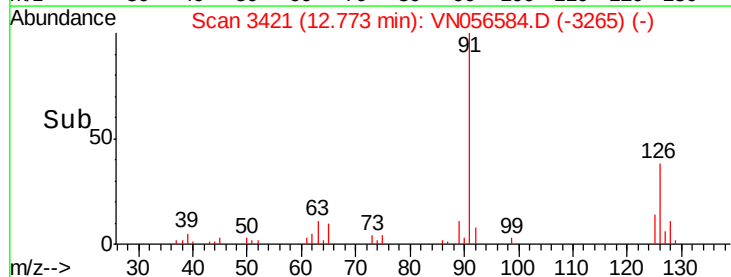
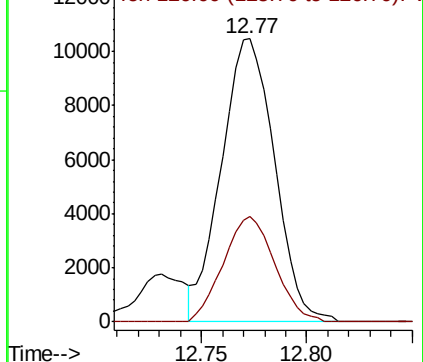
Ion Ratio Lower Upper

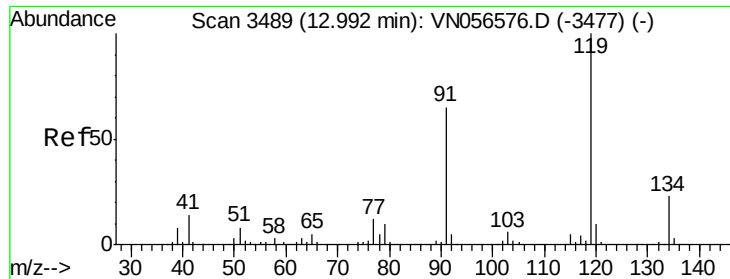
91 100

126 36.0 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

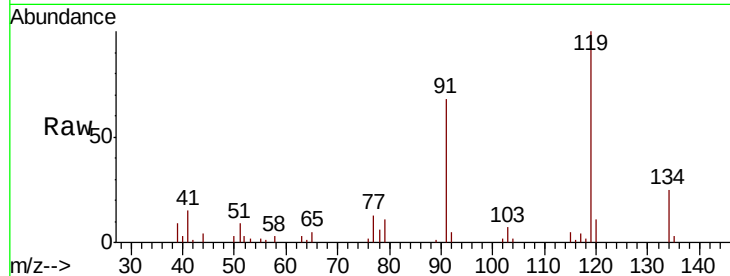




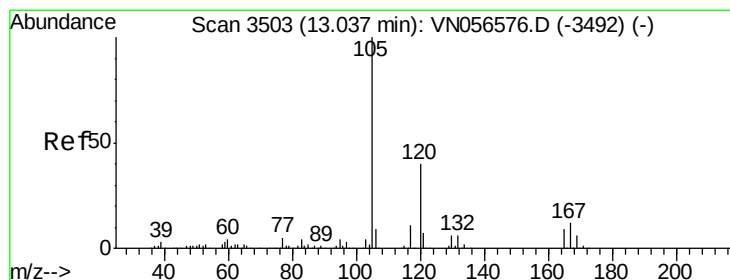
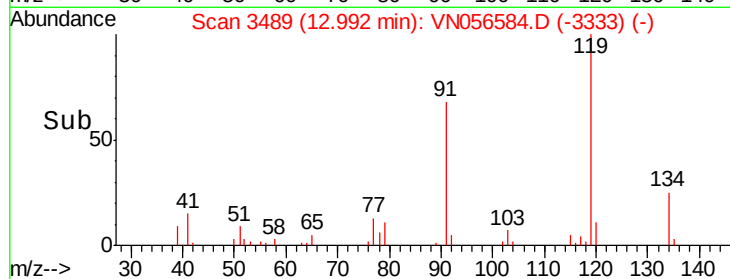
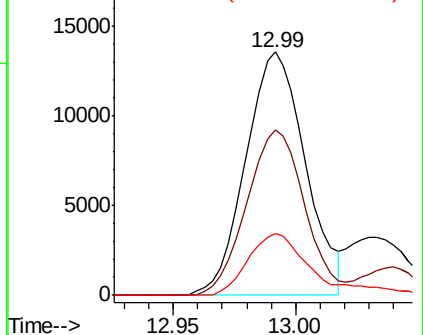
#79
tert-butylbenzene
Concen: 2.444 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:119 Resp: 22965
Ion Ratio Lower Upper
119 100
91 66.1 0.0 122.8
134 24.0 0.0 50.2

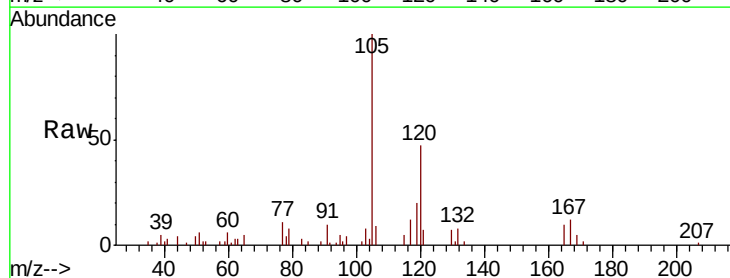


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

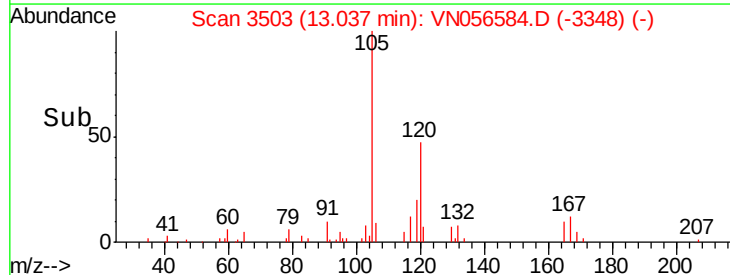
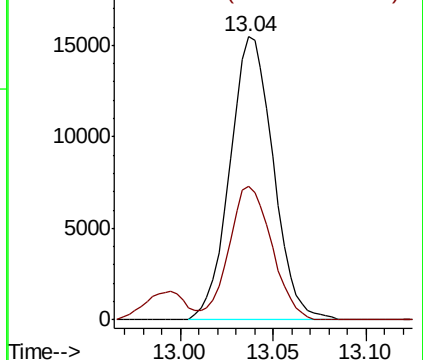


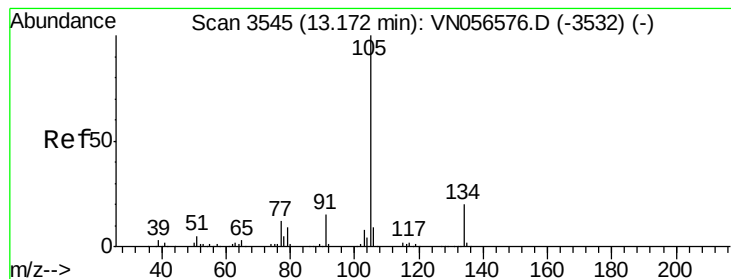
#80
1,2,4-Trimethylbenzene
Concen: 2.314 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:105 Resp: 25132
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.4



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





#81

sec-Butylbenzene

Concen: 2.250 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

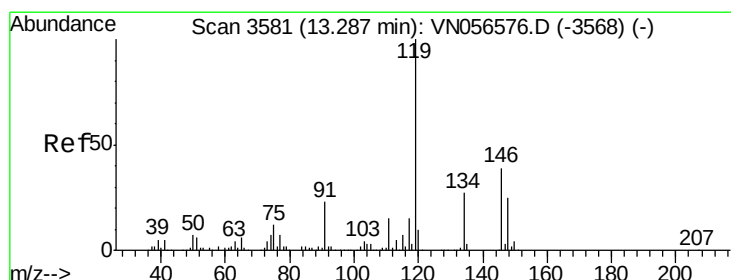
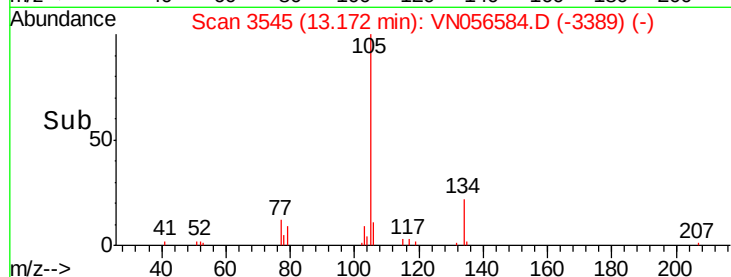
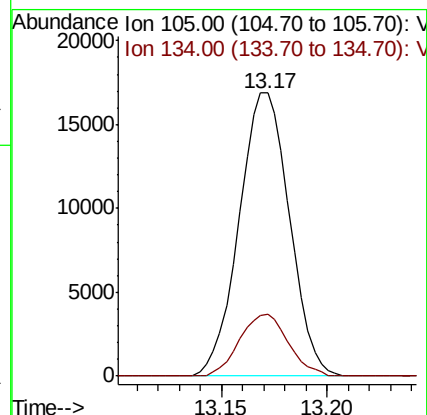
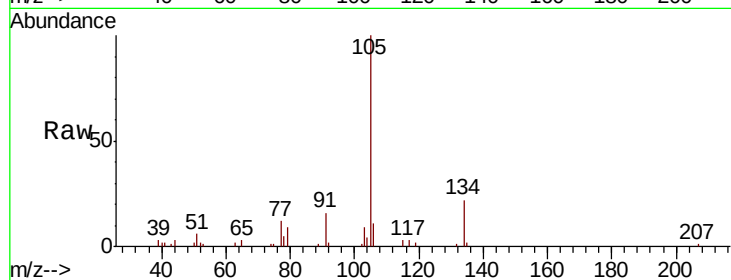
LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 28035

Ion Ratio Lower Upper

105 100

134 21.1 0.0 41.8



#82

p-Isopropyltoluene

Concen: 2.269 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

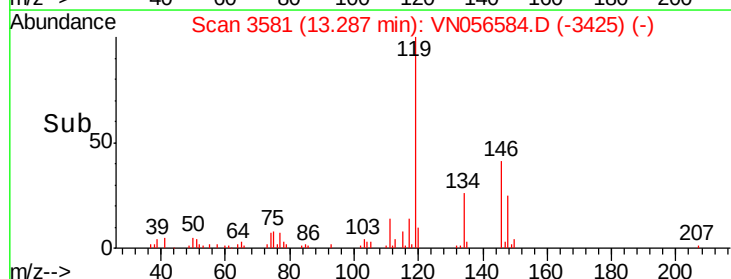
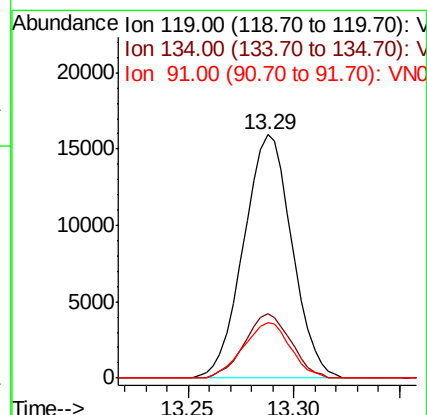
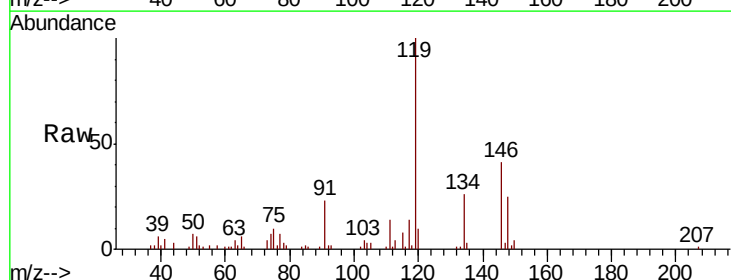
Tgt Ion:119 Resp: 25420

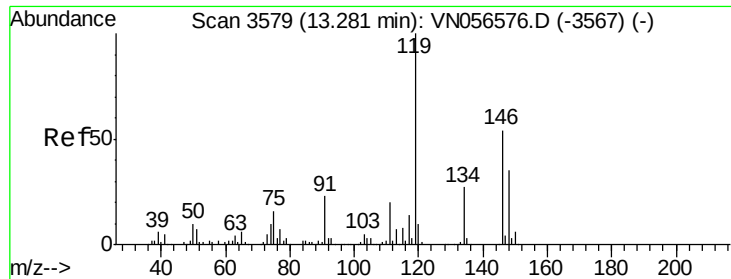
Ion Ratio Lower Upper

119 100

134 25.4 0.0 53.4

91 22.2 0.0 43.0

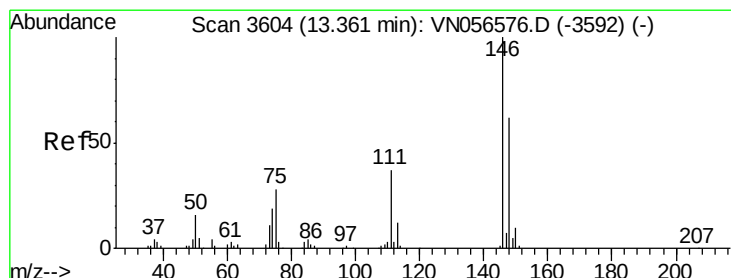
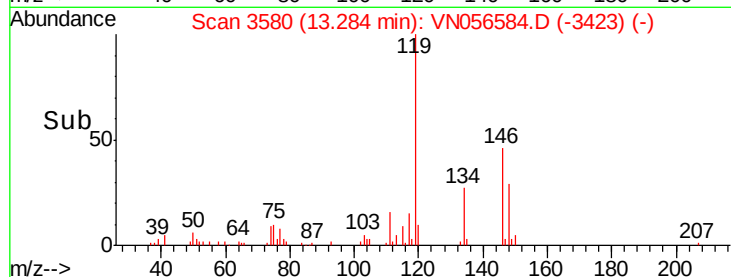
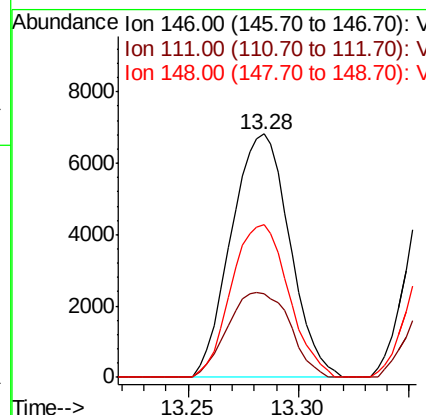
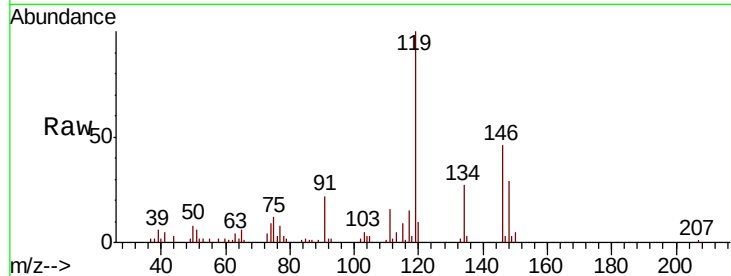




#83
 1,3-Dichlorobenzene
 Concen: 2.254 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

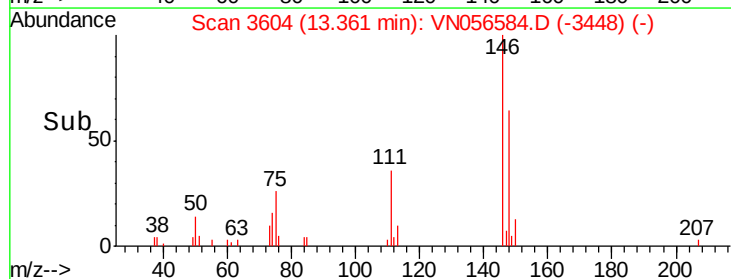
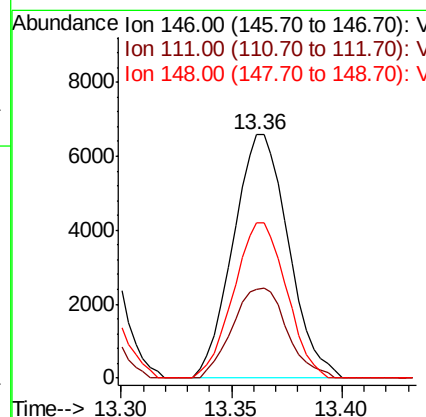
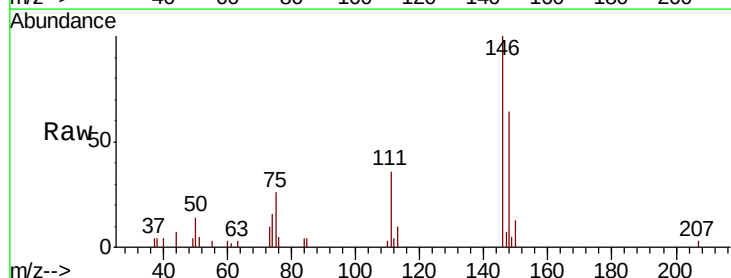
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

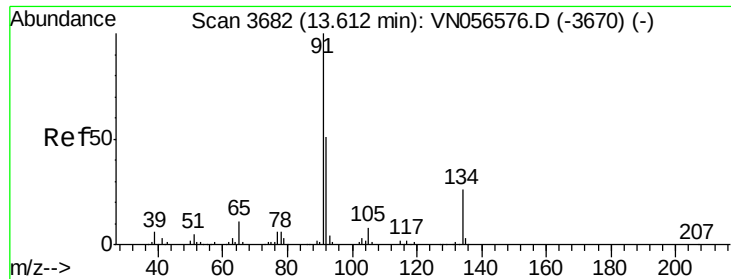
Tot Ion:146 Resp: 12541
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.2 54.6
 148 61.5 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 2.135 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion:146 Resp: 11458
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.6 52.9
 148 60.7 32.1 96.3





#85

n-Butylbenzene

Concen: 1.986 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

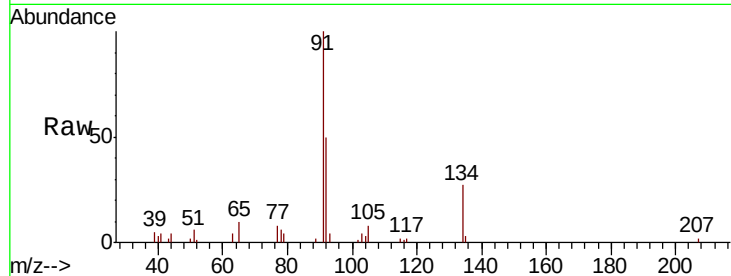
Tot Ion: 91 Resp: 18696

Ion Ratio Lower Upper

91 100

92 48.5 0.0 107.2

134 25.7 0.0 55.8

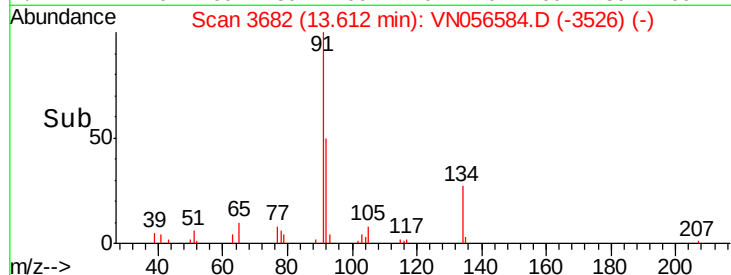


Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056576.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056576.D (-3670) (-)

Time-->

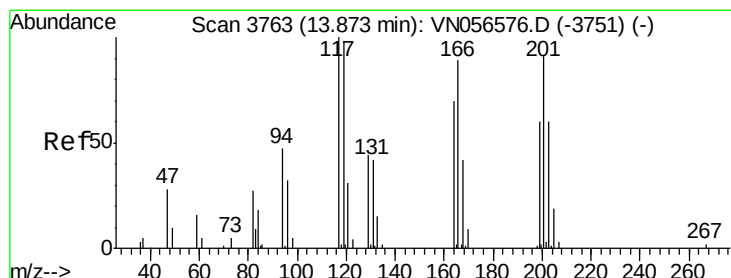


Abundance Ion 91.00 (90.70 to 91.70): VN056584.D (-3526) (-)

Ion 92.00 (91.70 to 92.70): VN056584.D (-3526) (-)

Ion 134.00 (133.70 to 134.70): VN056584.D (-3526) (-)

Time-->



#86

Hexachloroethane

Concen: 1.972 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056584.D

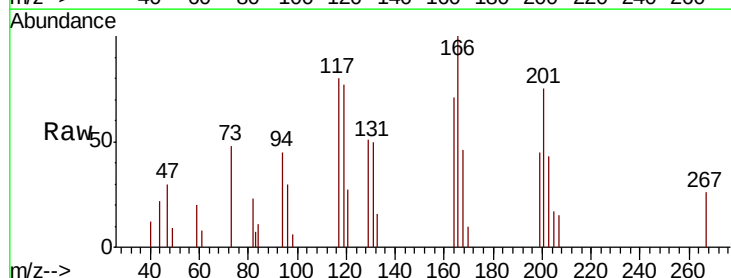
Acq: 3 Jul 2019 13:25

Tgt Ion: 117 Resp: 3332

Ion Ratio Lower Upper

117 100

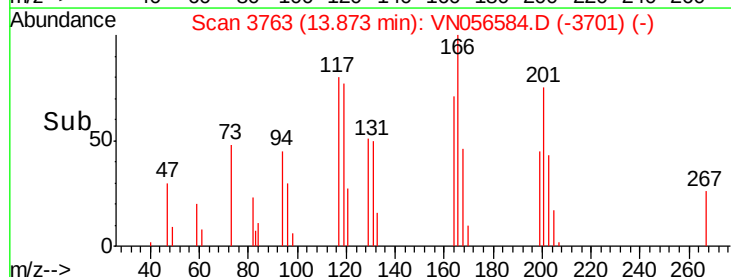
201 87.1 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056576.D (-3751) (-)

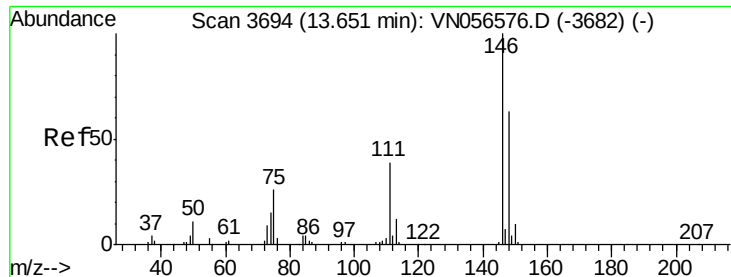
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN056584.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056584.D (-3701) (-)

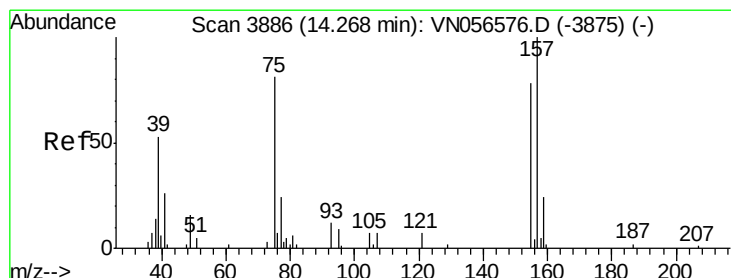
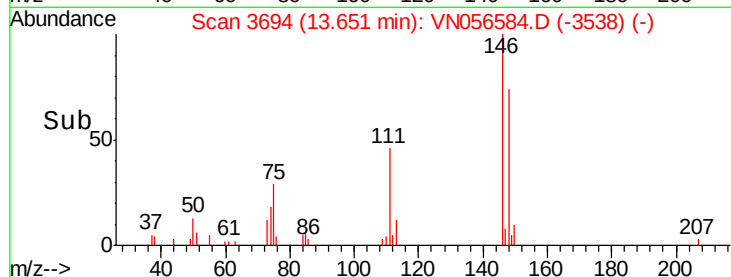
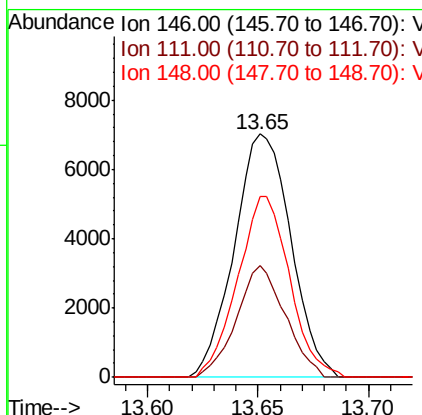
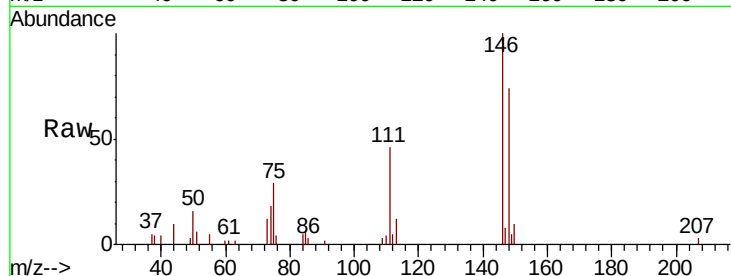
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 2.213 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

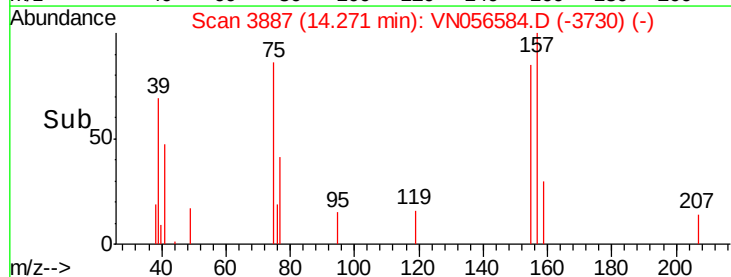
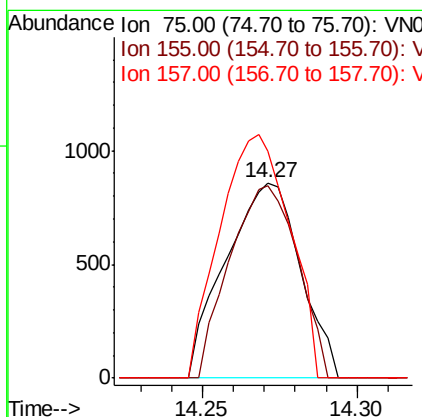
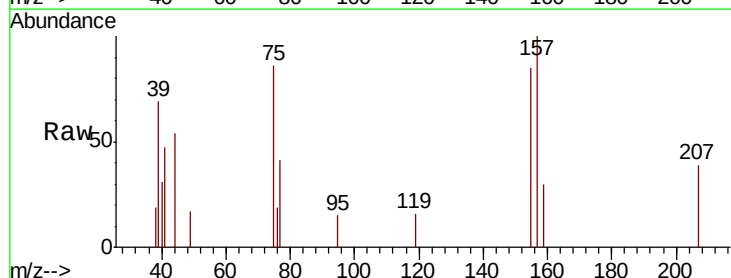
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

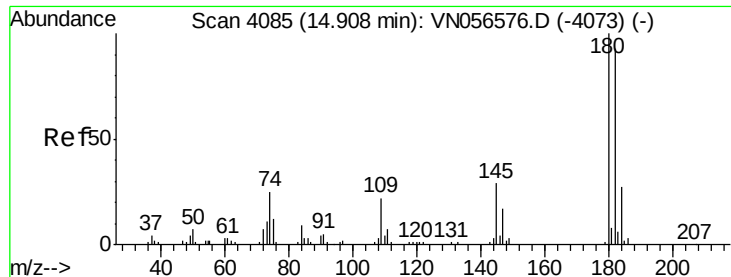
Tot Ion:146 Resp: 12501
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.9
 148 68.4 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.874 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 75 Resp: 1442
 Ion Ratio Lower Upper
 75 100
 155 89.9 82.5 123.7
 157 117.1 105.1 157.7

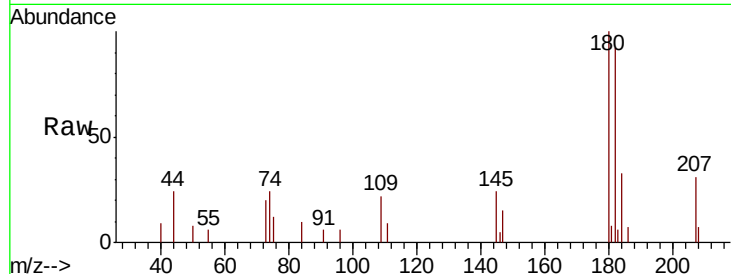




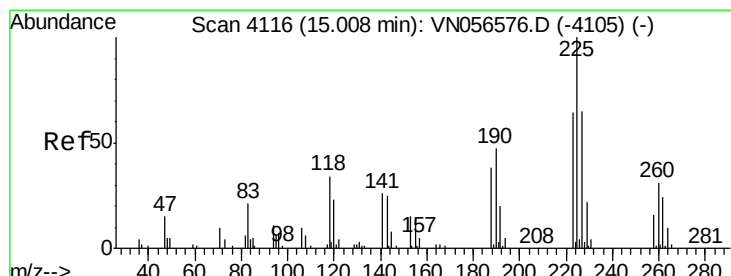
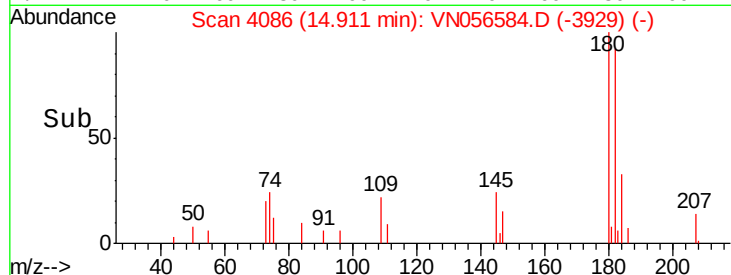
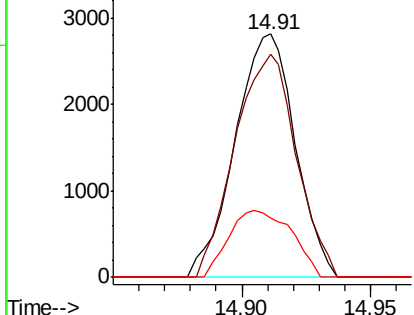
#89
1,2,4-Trichlorobenzene
Concen: 1.470 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:180 Resp: 4591
Ion Ratio Lower Upper
180 100
182 93.5 75.0 112.6
145 28.6 22.1 33.1

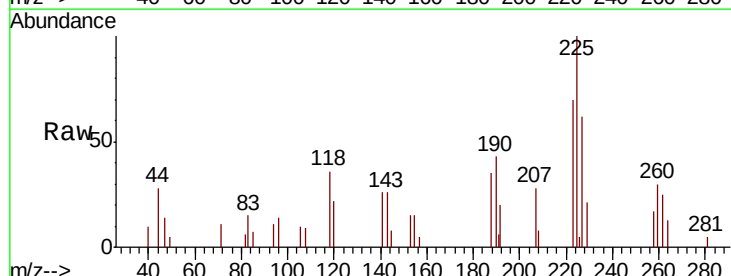


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

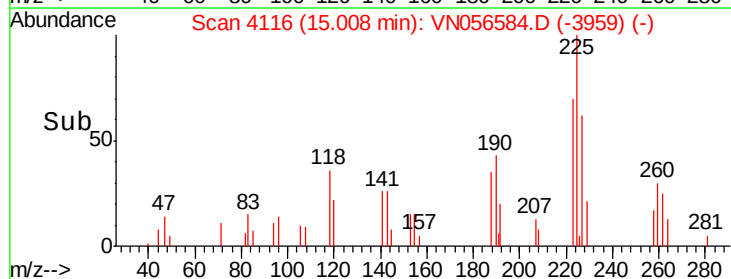
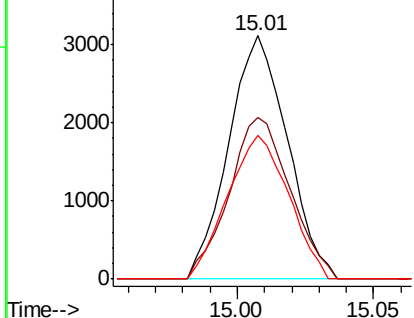


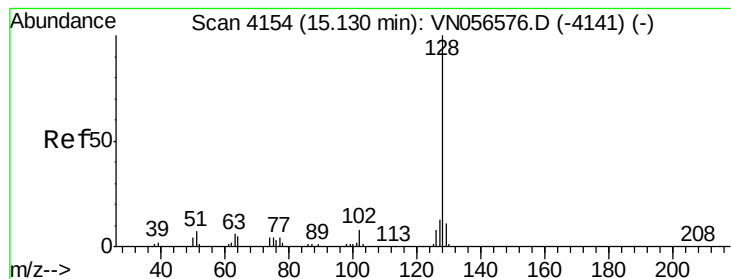
#90
Hexachlorobutadiene
Concen: 2.400 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:225 Resp: 4655
Ion Ratio Lower Upper
225 100
223 68.8 0.0 125.6
227 61.5 0.0 128.6



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





#91

Naphthalene

Concen: 1.489 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

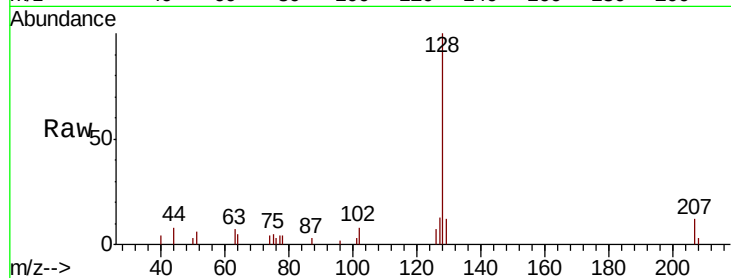
Tot Ion:128 Resp: 13051

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

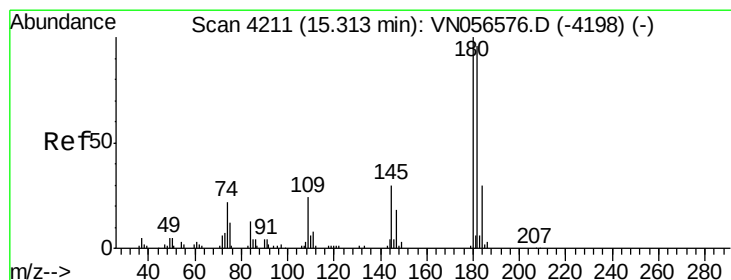
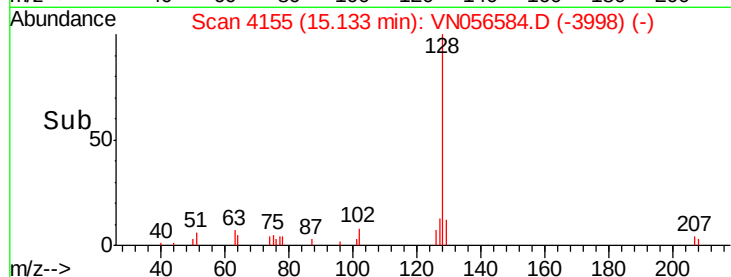
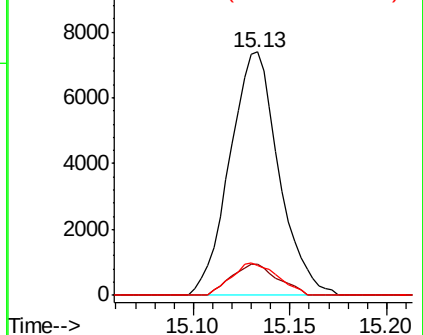
129 12.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 1.911 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

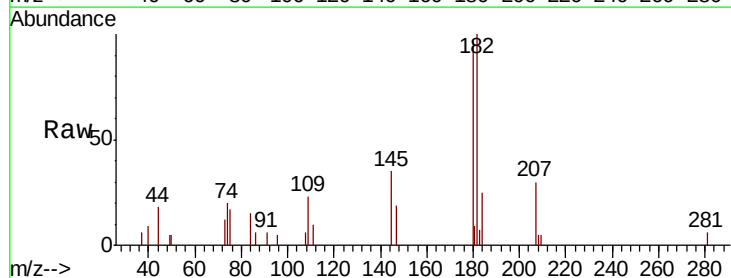
Tgt Ion:180 Resp: 6263

Ion Ratio Lower Upper

180 100

182 94.7 0.0 193.4

145 29.1 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

