

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017305.D
 Acq On : 09 Jul 2020 14:18
 Operator : JC/SP
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 10 06:57:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	58627	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	302665	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	286312	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	128301	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.12	95	133687	27.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.23%
63) Toluene-d8	8.70	98	361898	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	7572	2.955 ug/l	96
3) Chloromethane	1.31	50	6800	2.491 ug/l	92
4) Vinyl Chloride	1.39	62	6896	2.451 ug/l	92
5) Bromomethane	1.63	94	5859	3.125 ug/l	96
6) Chloroethane	1.72	64	4610	2.478 ug/l	98
7) Trichlorofluoromethane	1.92	101	12941	2.589 ug/l	99
8) Diethyl Ether	2.17	74	4496	2.536 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7293	2.669 ug/l	96
10) 1,1-Dichloroethene	2.36	96	6920	2.569 ug/l	87
11) Methyl Iodide	2.49	142	5674	1.789 ug/l	99
13) Acrolein	2.28	56	6036	12.434 ug/l	95
14) Acrylonitrile	3.12	53	21905	12.933 ug/l	95
15) Acetone	2.42	58	5747	13.454 ug/l	92
16) Carbon Disulfide	2.55	76	17164	2.349 ug/l	99
17) Allvl chloride	2.71	41	12645	2.523 ug/l	96
18) Methylene Chloride	2.83	84	9583	2.888 ug/l	93
19) trans-1,2-Dichloroethene	3.14	96	8265	2.624 ug/l	95
20) Diisopropyl ether	3.82	45	24137	2.409 ug/l	93
21) 1,1-Dichloroethane	3.67	63	14352	2.555 ug/l	97
22) cis-1,2-Dichloroethene	4.57	96	8999	2.504 ug/l	95
23) tert-Butyl Alcohol	3.01	59	8843	12.653 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	25037	2.434 ug/l	99
26) Cyclohexane	5.55	56	9534	2.179 ug/l #	66
29) 1,1-Dichloropropene	5.77	75	9943	2.382 ug/l	98
30) 2-Butanone	4.64	43	27643	12.109 ug/l #	83
31) 2,2-Dichloropropane	4.54	77	8265	1.581 ug/l #	68
32) 1,1,1-Trichloroethane	5.46	97	14057	2.587 ug/l	98
33) Carbon Tetrachloride	5.76	117	12531	2.501 ug/l #	89
34) Benzene	6.11	78	31270	2.518 ug/l	96
35) Methacrylonitrile	5.01	41	2871	1.123 ug/l	89
36) 1,2-Dichloroethane	6.16	62	12025	2.459 ug/l #	87
37) Trichloroethene	7.19	130	9956	2.665 ug/l	87
38) Methylcyclohexane	7.44	83	10629	2.417 ug/l	98
39) 1,2-Dichloropropane	7.49	63	8233	2.537 ug/l	94
40) Dibromomethane	7.64	93	6188	2.647 ug/l	98
41) Bromodichloromethane	7.88	83	12074	2.475 ug/l #	97
42) Vinyl Acetate	3.78	43	100422	11.510 ug/l	98

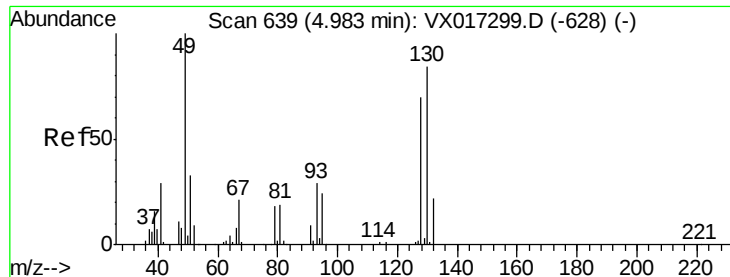
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.80	43	11014	2.453	ug/l	97
44) Isopropyl Acetate	6.42	43	18508	2.477	ug/l	97
45) 1,4-Dioxane	7.72	88	3442	48.331	ug/l #	64
46) Methyl methacrylate	7.75	41	7819	2.148	ug/l	93
47) n-amyl Acetate	10.88	43	13343	2.017	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	11875	2.205	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	12817	2.274	ug/l	89
50) 1,1,2-Trichloroethane	9.20	97	8917	2.575	ug/l	92
51) Ethyl methacrylate	9.16	69	10792	2.139	ug/l	99
52) 1,3-Dichloropropane	9.35	76	13617	2.414	ug/l	94
53) Dibromochloromethane	9.57	129	9524	2.253	ug/l	96
54) 1,2-Dibromoethane	9.65	107	8987	2.427	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	29487	12.560	ug/l	99
56) Bromoform	10.84	173	7406	2.246	ug/l	96
58) 4-Methyl-2-Pentanone	8.62	43	53853	11.871	ug/l	97
59) 2-Hexanone	9.47	43	39318	11.369	ug/l	99
61) Tetrachloroethene	9.32	164	10100	2.769	ug/l	92
62) Toluene	8.76	91	33583	2.478	ug/l	98
64) Chlorobenzene	10.12	112	23329	2.580	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	8875	2.402	ug/l	95
66) Ethyl Benzene	10.24	91	36207	2.374	ug/l	98
67) m/p-Xylenes	10.34	106	26617	4.517	ug/l	100
68) o-Xylene	10.68	106	12846	2.294	ug/l	96
69) Styrene	10.70	104	20438	2.058	ug/l	98
70) Isopropylbenzene	11.00	105	34004	2.214	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	11960	2.483	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	15527	3.281	ug/l	94
73) Bromobenzene	11.24	156	11037	2.557	ug/l	97
74) n-propylbenzene	11.34	91	38713	2.176	ug/l	99
75) 2-Chlorotoluene	11.40	91	25548	2.355	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	28880	2.192	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	3750	2.078	ug/l	96
78) 4-Chlorotoluene	11.49	91	29152	2.267	ug/l	99
79) tert-butylbenzene	11.76	119	27434	2.145	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	28275	2.127	ug/l	100
81) sec-Butylbenzene	11.93	105	31849	2.161	ug/l	98
82) p-Isopropyltoluene	12.05	119	29034	2.083	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	18897	2.433	ug/l	96
84) 1,4-Dichlorobenzene	12.08	146	18500	2.354	ug/l	99
85) n-Butylbenzene	12.37	91	24185	2.054	ug/l	100
86) Hexachloroethane	12.58	117	6273	2.327	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	17577	2.367	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	2947	2.525	ug/l	88
89) 1,2,4-Trichlorobenzene	13.63	180	10647	2.114	ug/l	98
90) Hexachlorobutadiene	13.76	225	4981	2.465	ug/l	98
91) Naphthalene	13.82	128	30117	1.950	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	11184	2.232	ug/l	98

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

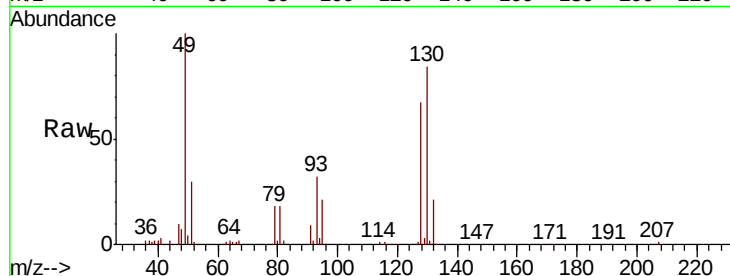
Tot Ion:128 Resp: 58627

Ion Ratio Lower Upper

128 100

49 147.6 0.0 358.8

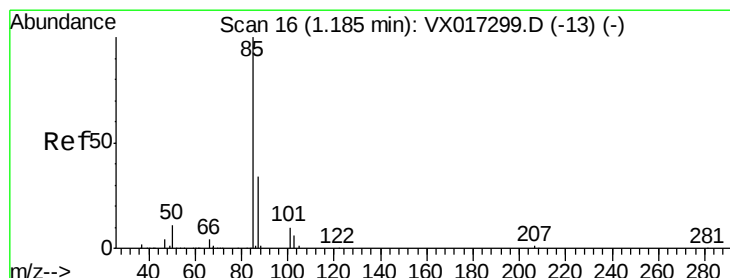
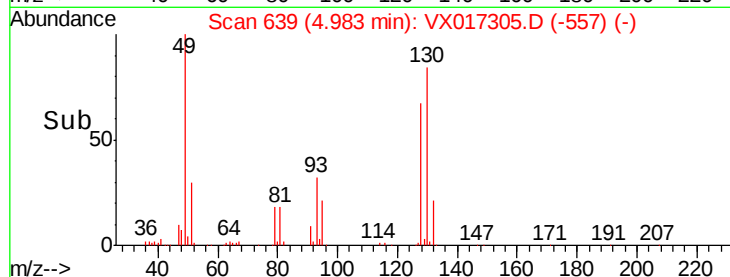
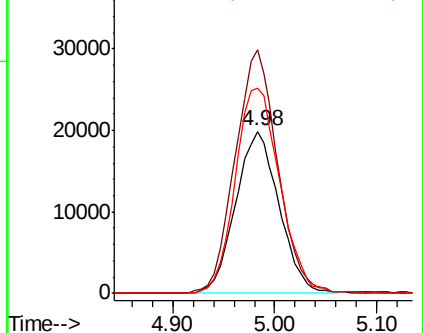
130 130.3 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.955 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017305.D

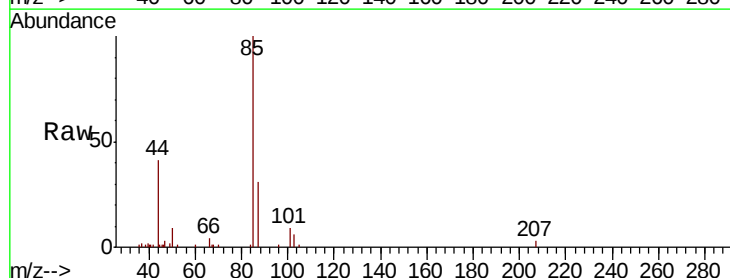
Acq: 09 Jul 2020 14:18

Tgt Ion: 85 Resp: 7572

Ion Ratio Lower Upper

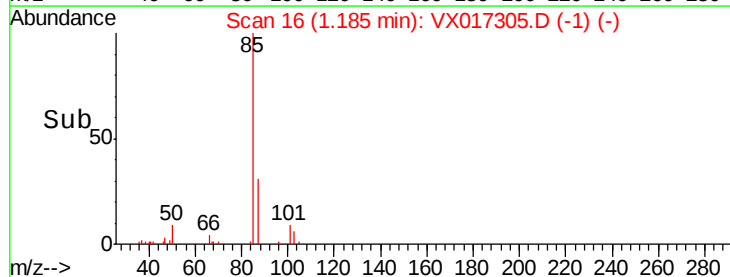
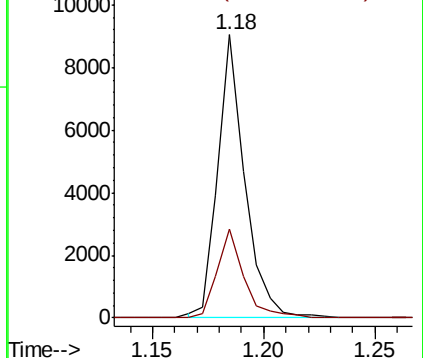
85 100

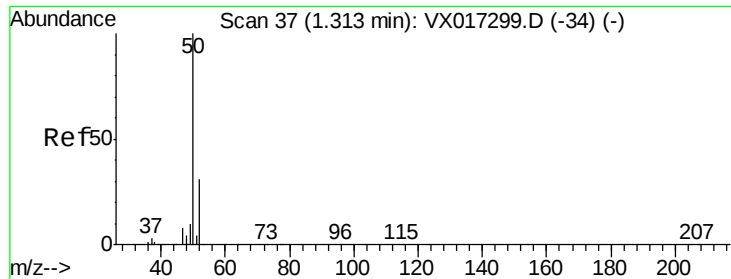
87 31.4 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.491 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

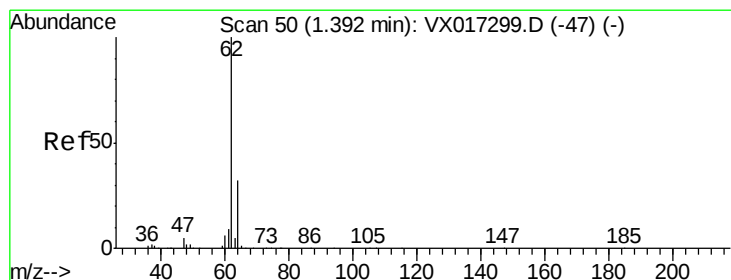
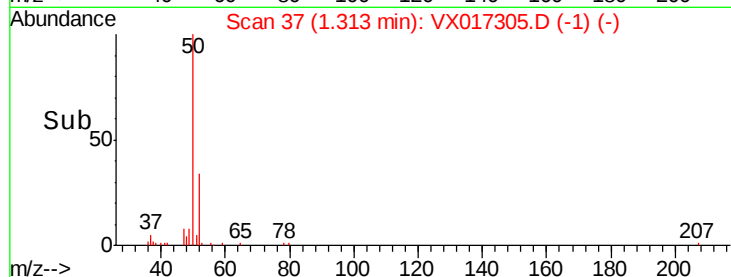
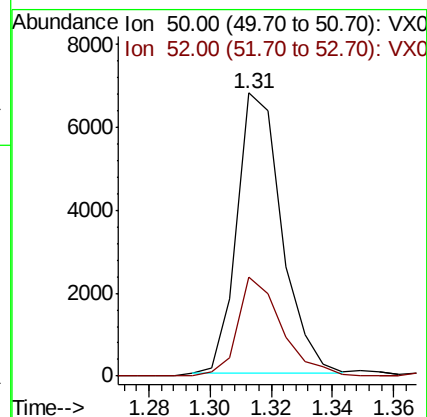
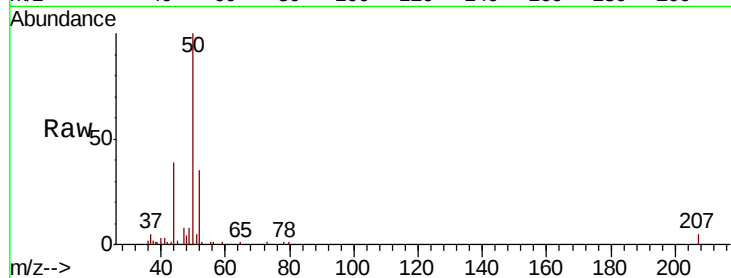
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 6800

Ion Ratio Lower Upper

50 100

52 35.3 24.8 37.2



#4

Vinyl Chloride

Concen: 2.451 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017305.D

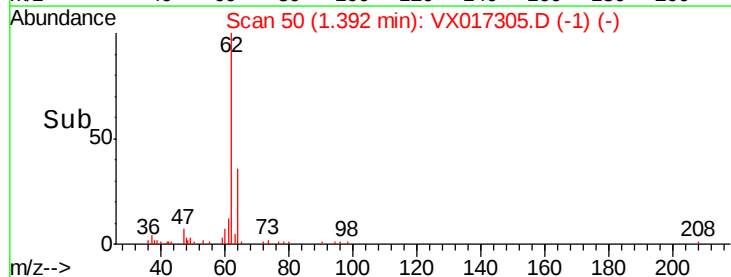
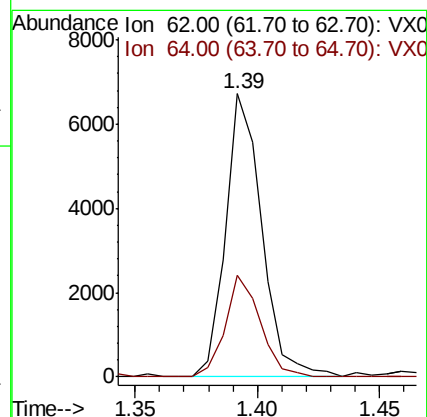
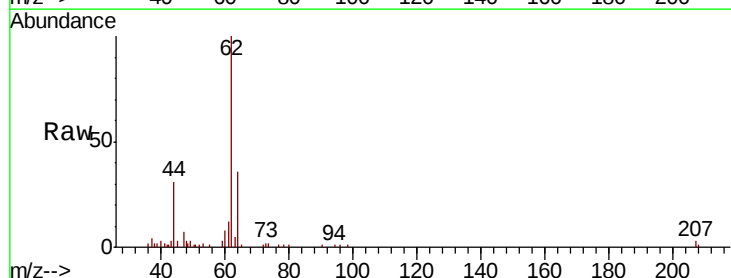
Acq: 09 Jul 2020 14:18

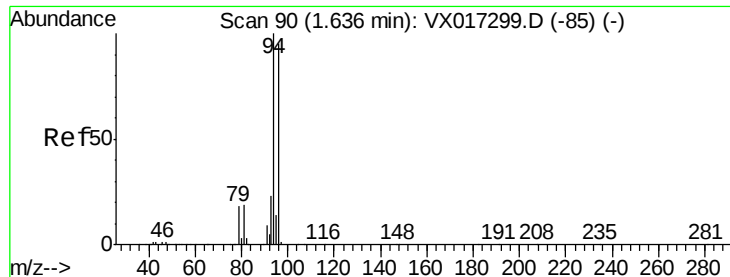
Tgt Ion: 62 Resp: 6896

Ion Ratio Lower Upper

62 100

64 36.0 25.3 37.9





#5

Bromomethane

Concen: 3.125 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

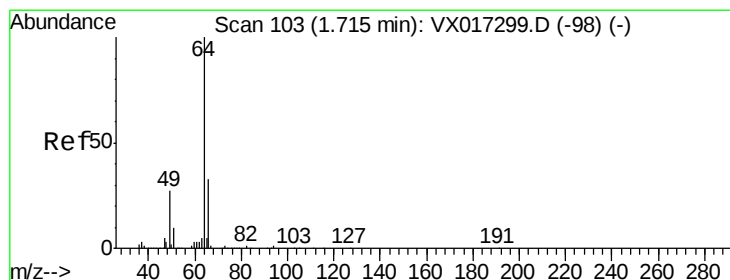
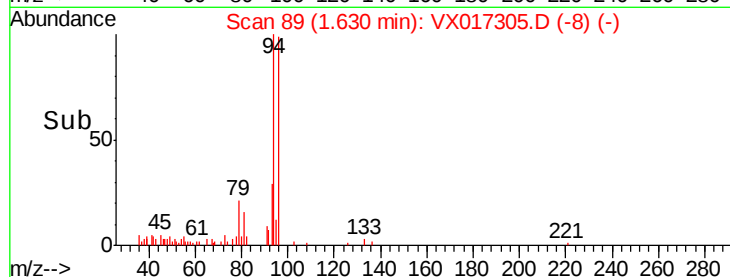
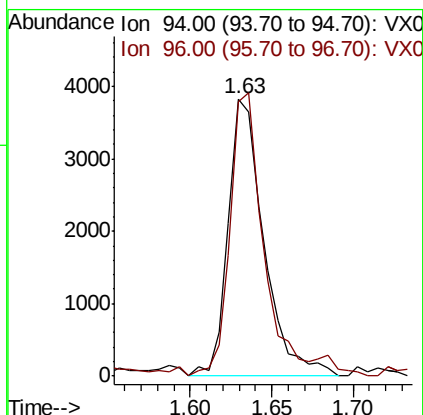
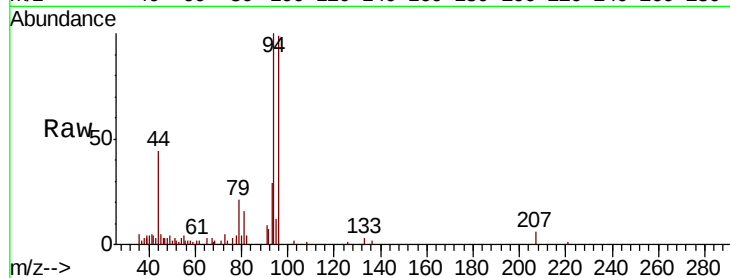
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 5859

Ion Ratio Lower Upper

94 100

96 98.8 75.7 113.5



#6

Chloroethane

Concen: 2.478 ug/l

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017305.D

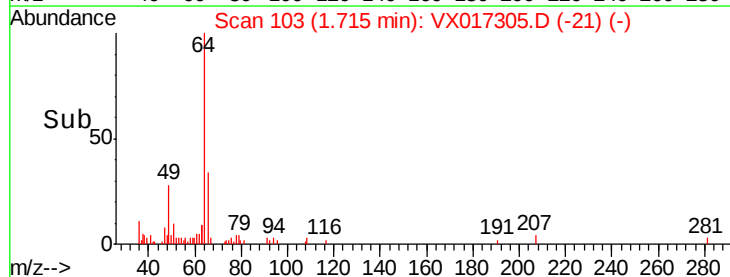
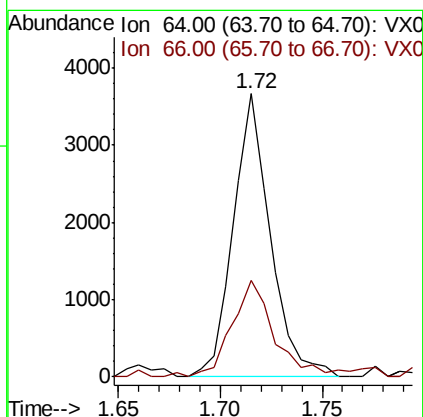
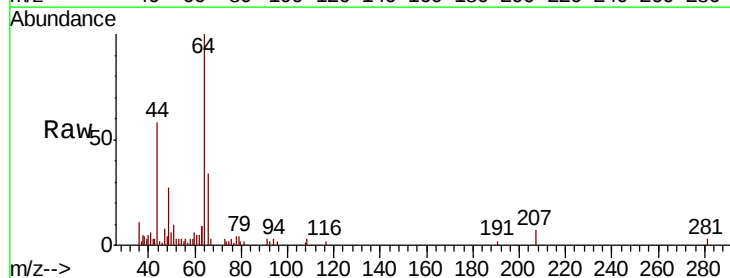
Acq: 09 Jul 2020 14:18

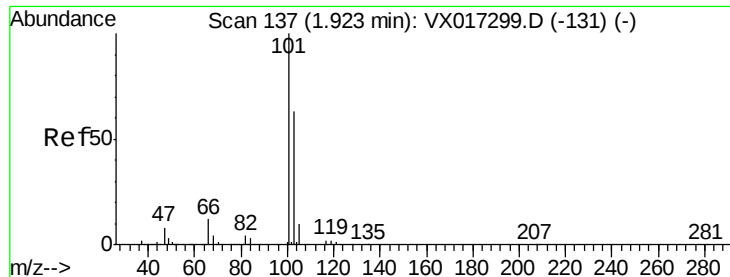
Tgt Ion: 64 Resp: 4610

Ion Ratio Lower Upper

64 100

66 33.9 26.1 39.1



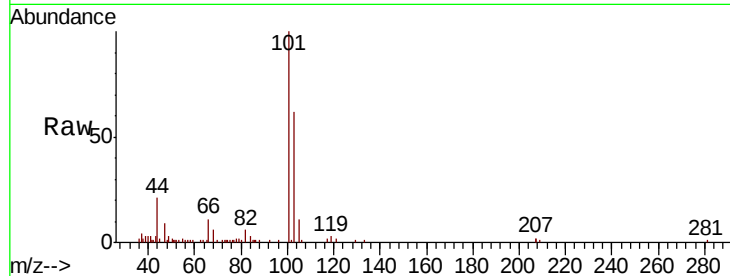


#7

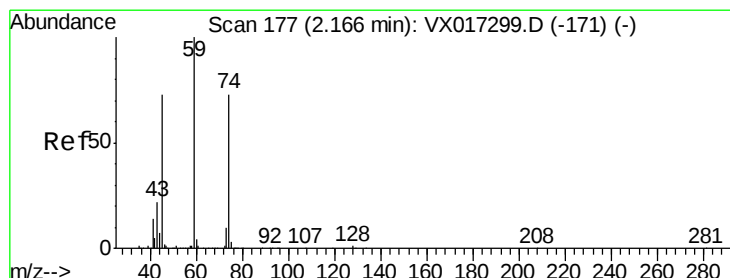
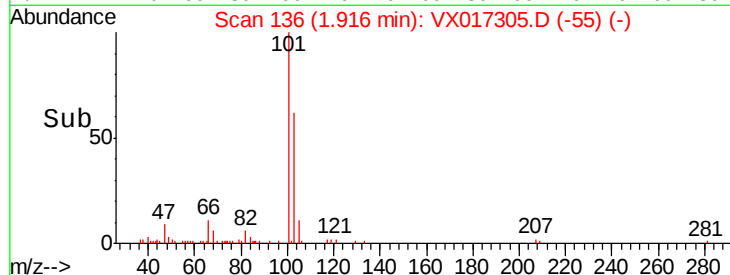
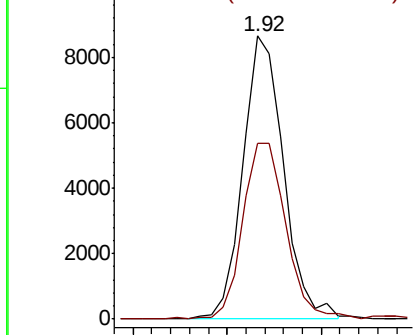
Trichlorofluoromethane
Concen: 2.589 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:101 Resp: 12941
Ion Ratio Lower Upper
101 100
103 62.0 50.1 75.1



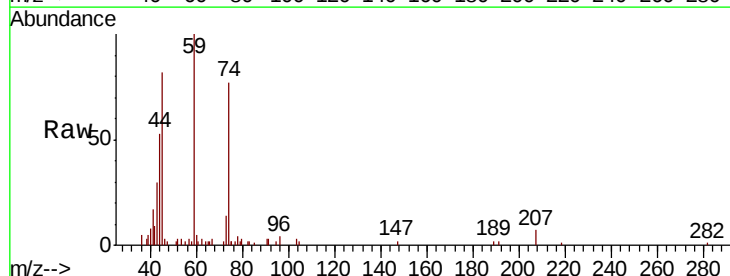
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



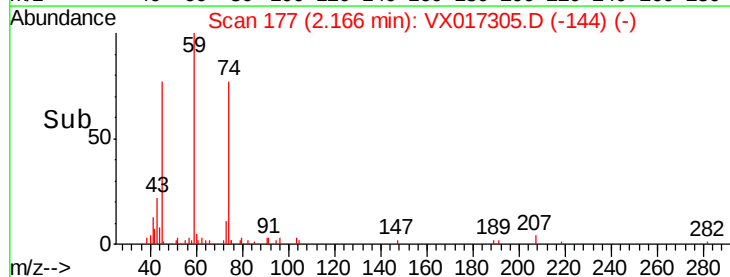
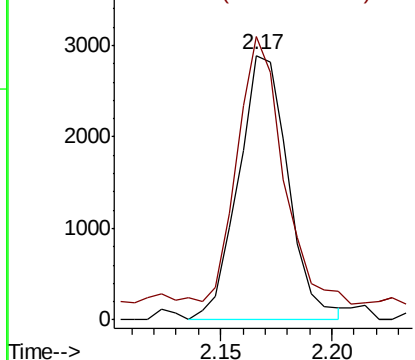
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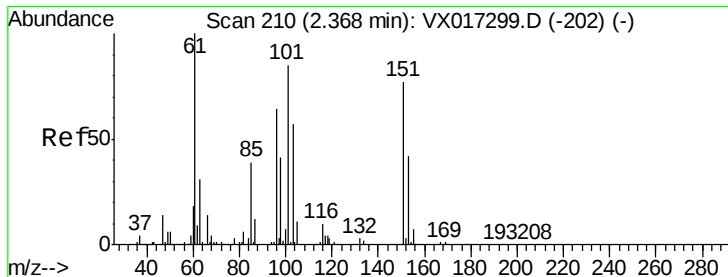
Diethyl Ether
Concen: 2.536 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 74 Resp: 4496
Ion Ratio Lower Upper
74 100
45 94.8 18.9 170.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.669 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

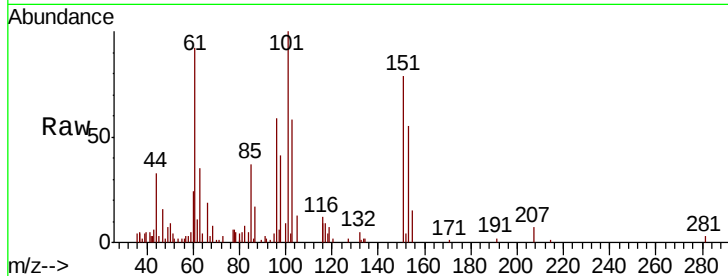
Tot Ion:101 Resp: 7293

Ion Ratio Lower Upper

101 100

85 44.4 0.0 87.8

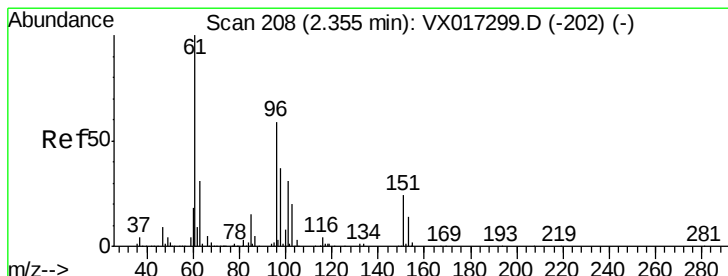
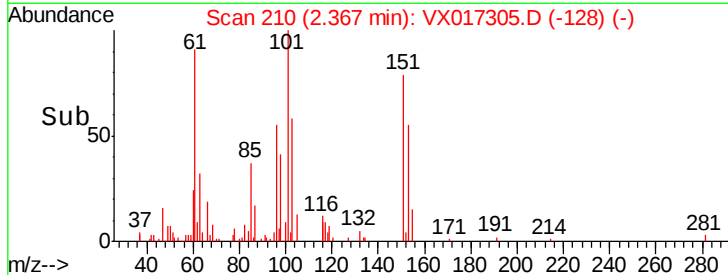
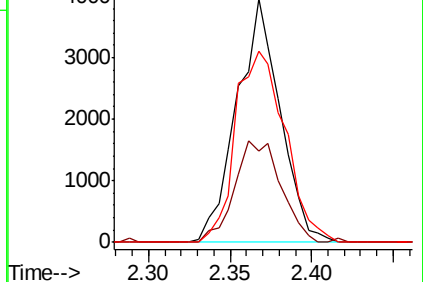
151 89.8 0.0 170.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.569 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

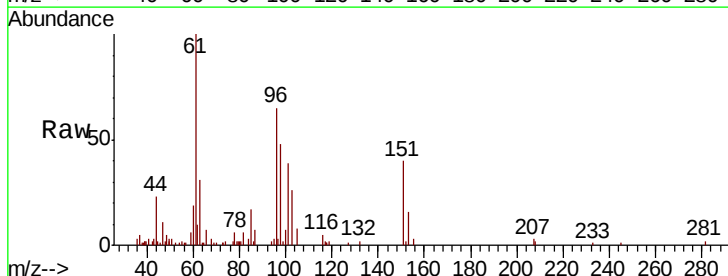
Tgt Ion: 96 Resp: 6920

Ion Ratio Lower Upper

96 100

61 153.7 137.0 205.4

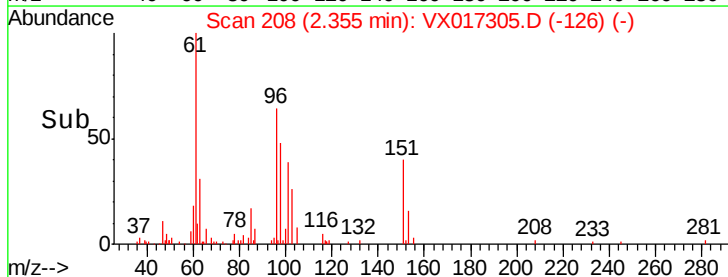
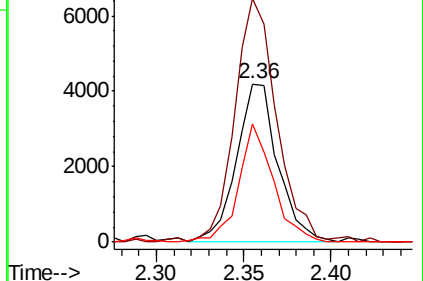
98 74.5 51.1 76.7

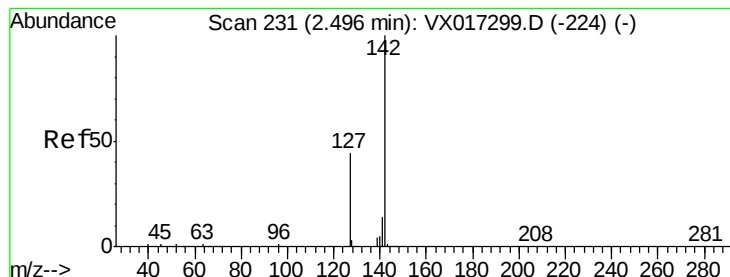


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methvl Iodide

Concen: 1.789 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

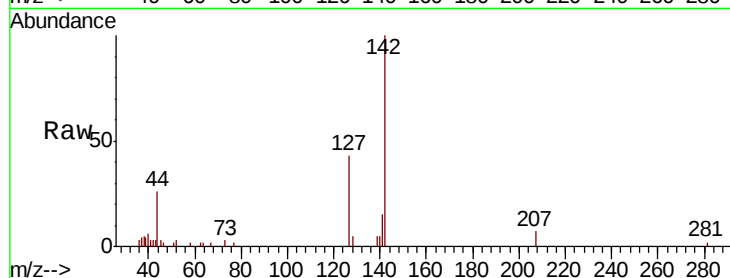
Tot Ion:142 Resp: 5674

Ion Ratio Lower Upper

142 100

127 44.3 21.9 65.7

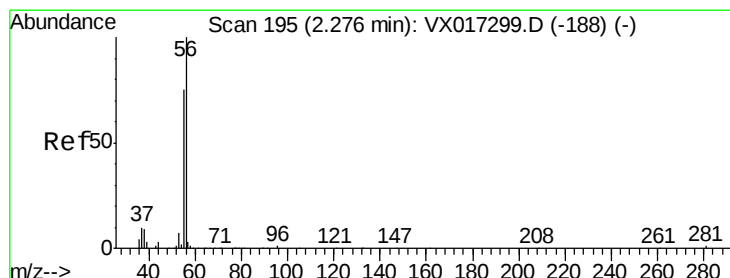
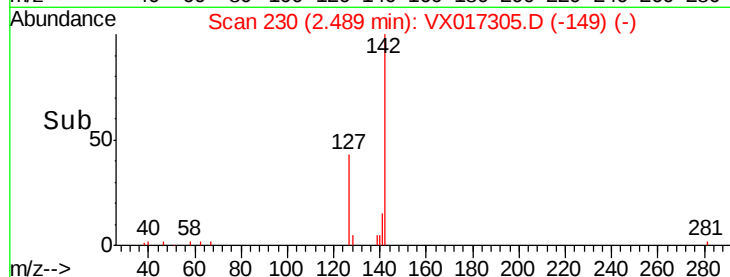
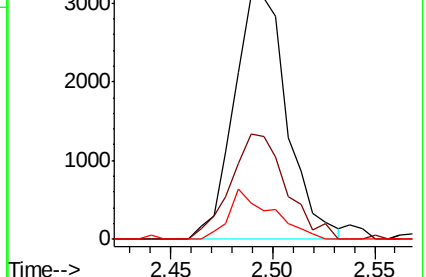
141 15.0 7.0 21.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#13

Acrolein

Concen: 12.434 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017305.D

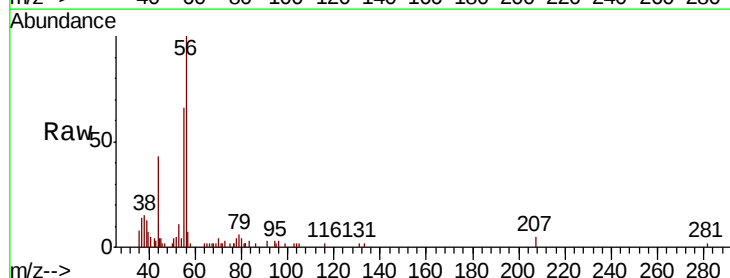
Acq: 09 Jul 2020 14:18

Tgt Ion: 56 Resp: 6036

Ion Ratio Lower Upper

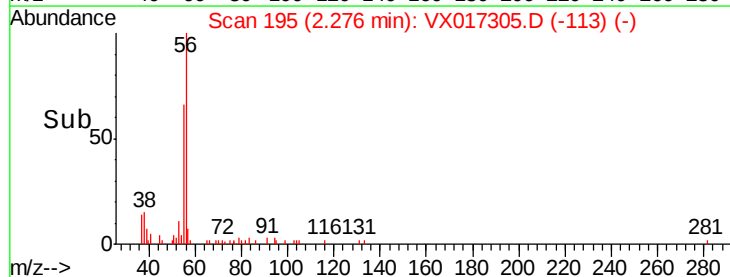
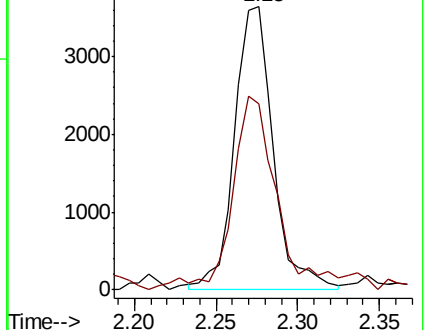
56 100

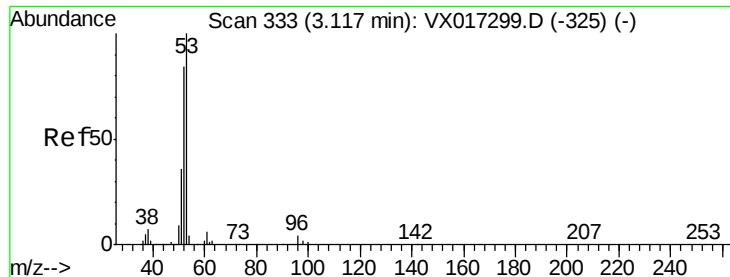
55 69.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Acrylonitrile

Concen: 12.933 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

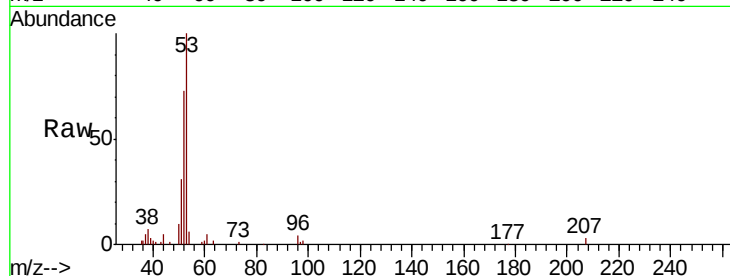
Tot Ion: 53 Resp: 21905

Ion Ratio Lower Upper

53 100

52 77.0 41.3 123.9

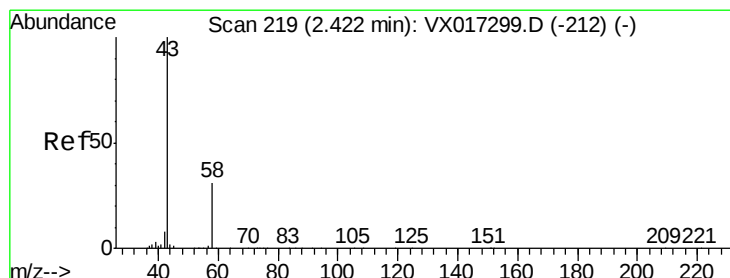
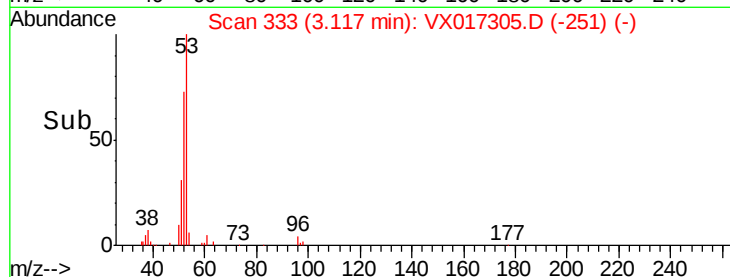
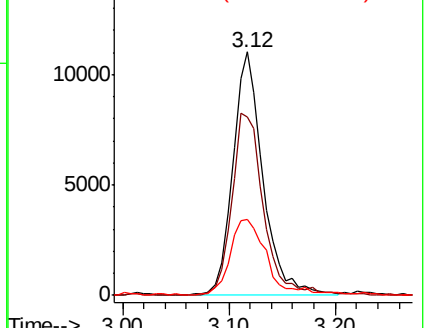
51 36.5 18.1 54.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 13.454 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017305.D

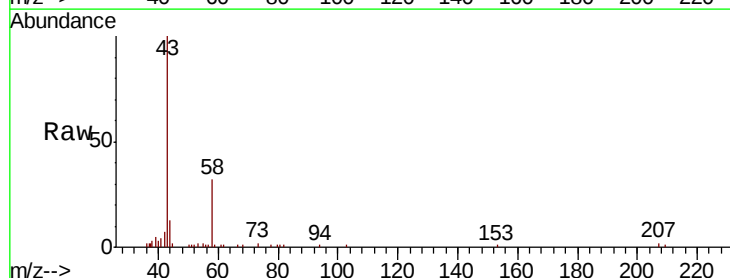
Acq: 09 Jul 2020 14:18

Tgt Ion: 58 Resp: 5747

Ion Ratio Lower Upper

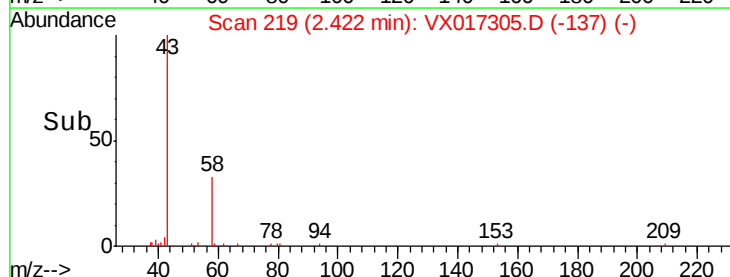
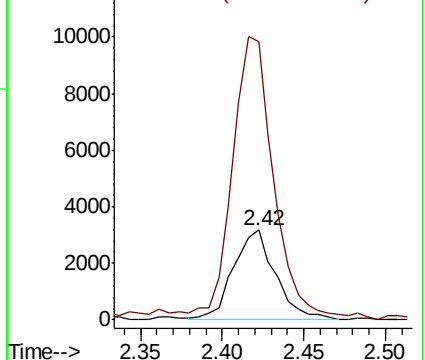
58 100

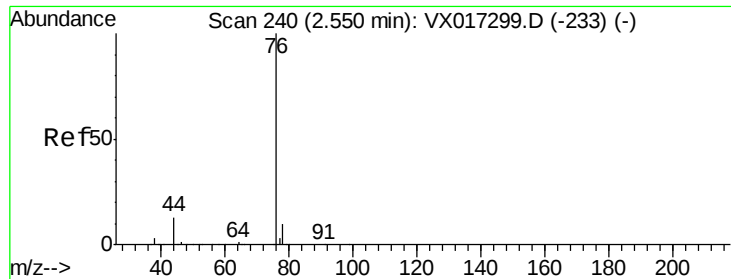
43 302.6 255.0 382.4



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

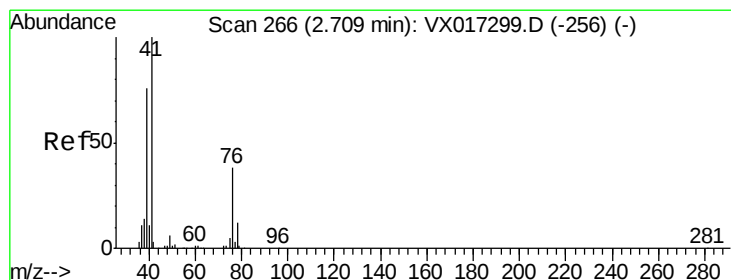
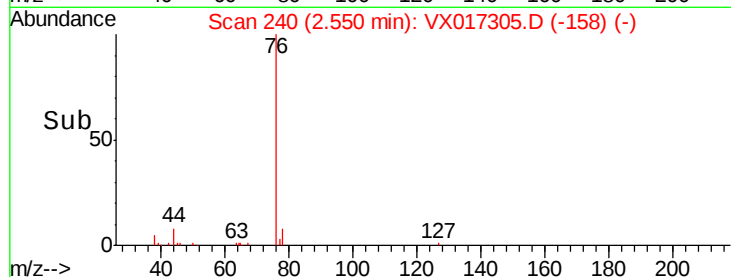
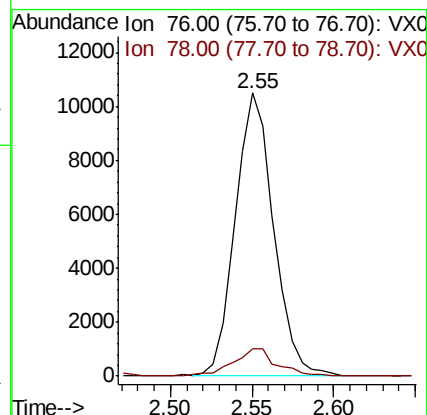
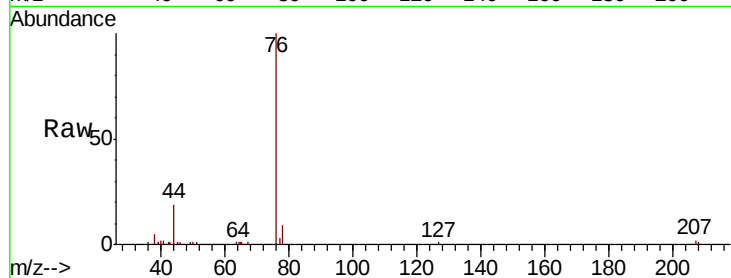




#16
Carbon Disulfide
Concen: 2.349 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

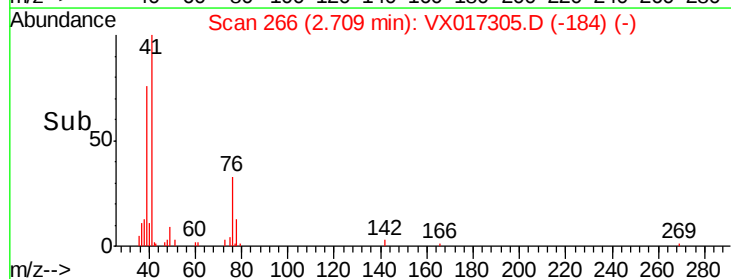
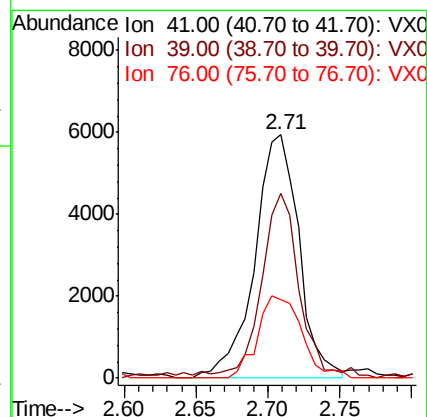
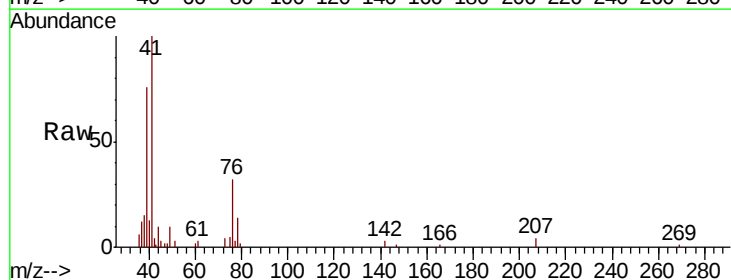
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

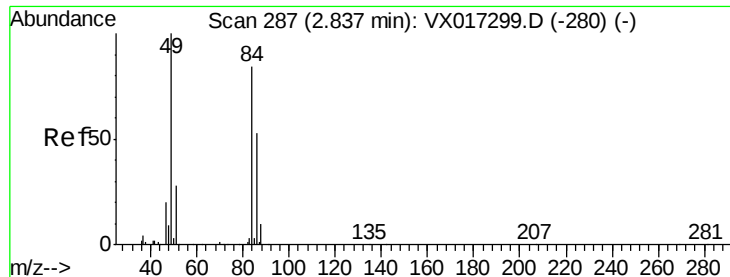
Tot Ion: 76 Resp: 17164
Ion Ratio Lower Upper
76 100
78 9.5 7.9 11.9



#17
Allyl chloride
Concen: 2.523 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 41 Resp: 12645
Ion Ratio Lower Upper
41 100
39 75.3 38.1 114.5
76 32.5 18.8 56.4

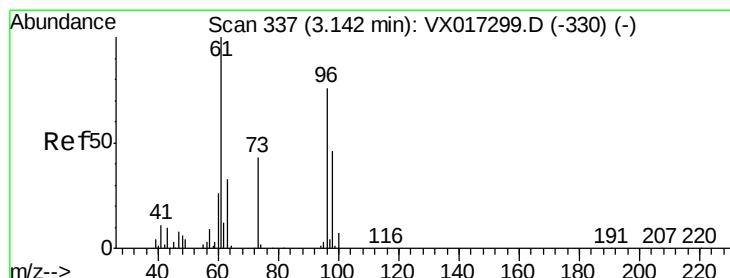
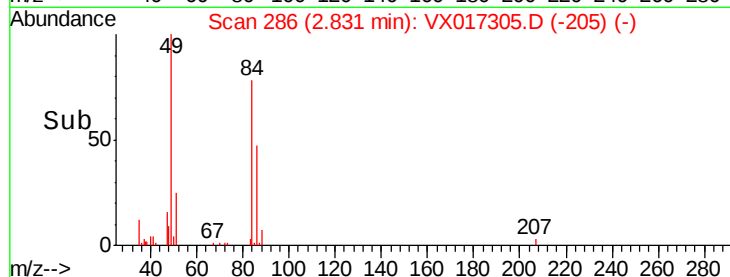
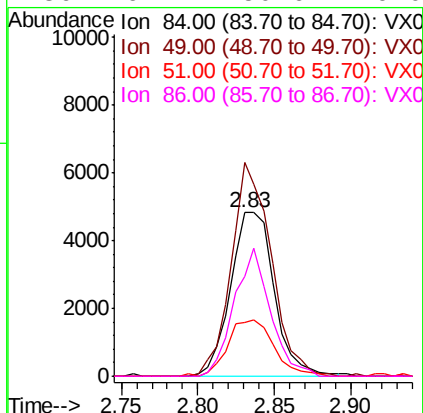
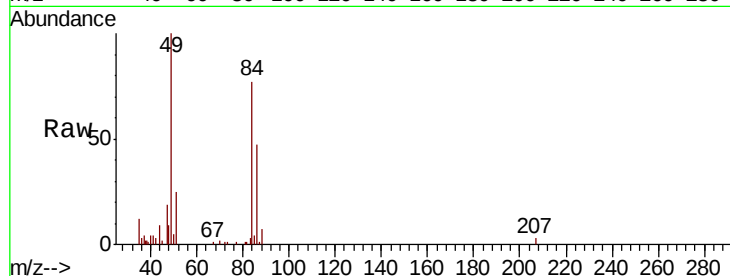




#18
Methylene Chloride
Concen: 2.888 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

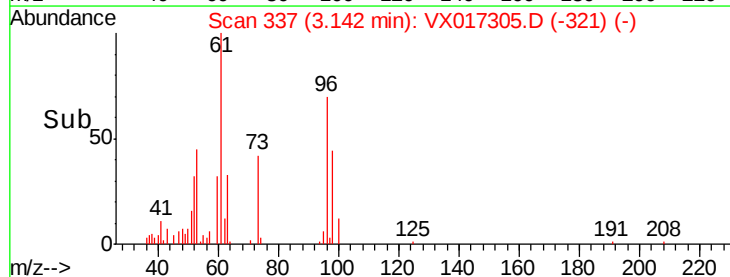
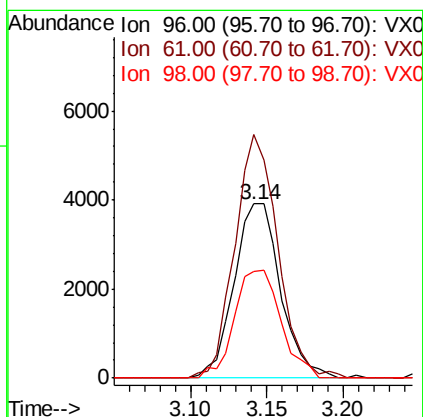
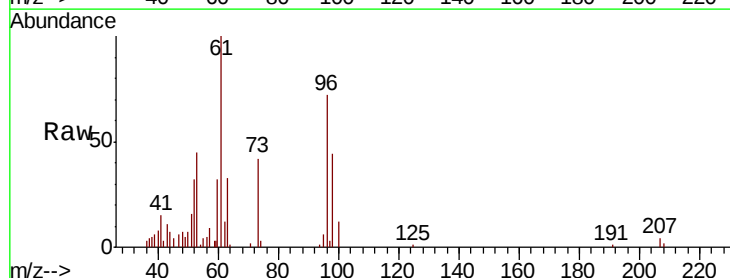
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

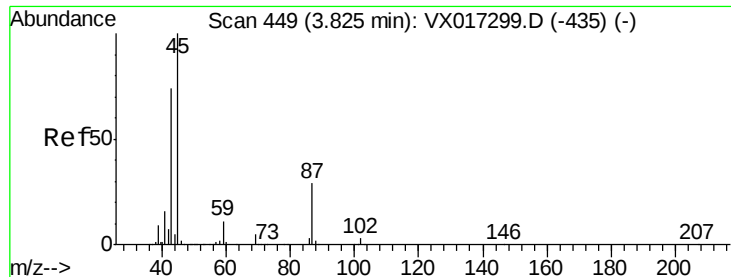
Tot Ion:	84	Resp:	9583
Ion	Ratio	Lower	Upper
84	100		
49	130.7	95.7	143.5
51	33.0	27.2	40.8
86	61.1	50.6	76.0



#19
trans-1,2-Dichloroethene
Concen: 2.624 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	96	Resp:	8265
Ion	Ratio	Lower	Upper
96	100		
61	139.6	105.0	157.6
98	61.5	48.6	73.0

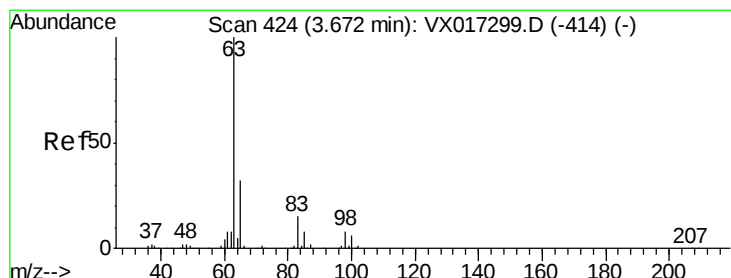
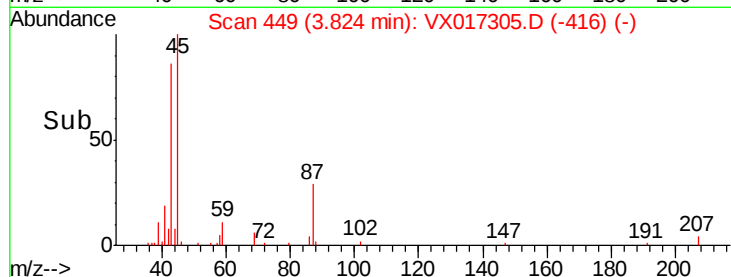
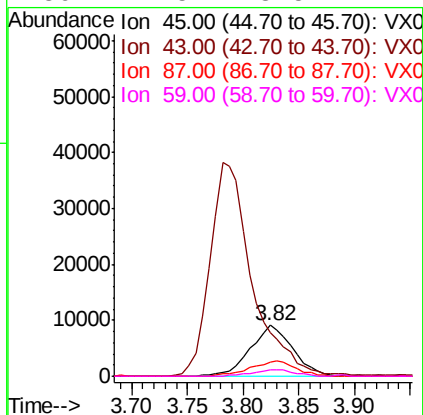
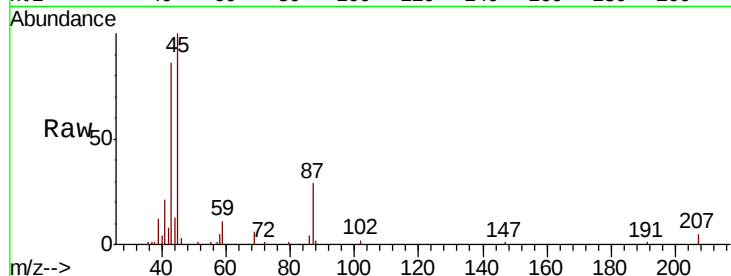




#20
Diisopropyl ether
Concen: 2.409 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

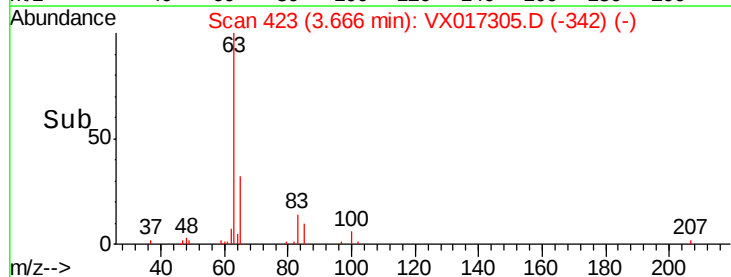
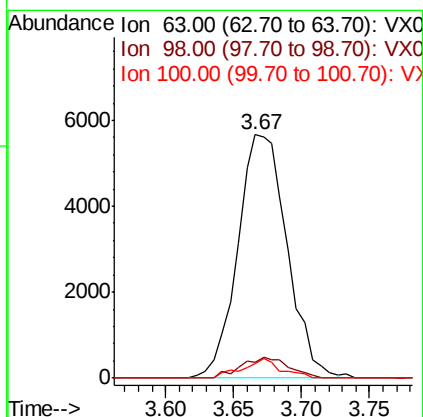
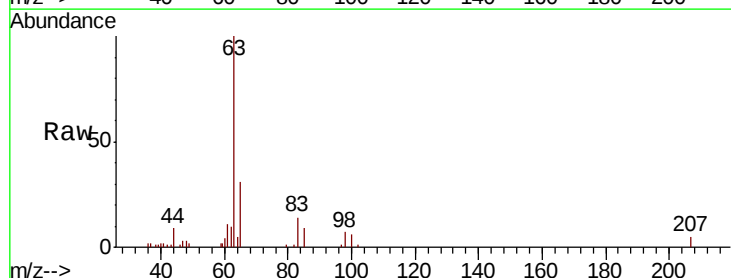
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

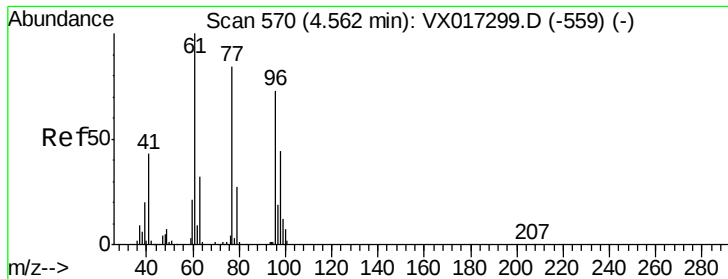
Tot Ion:	45	Resp:	24137
Ion	Ratio	Lower	Upper
45	100		
43	82.5	59.5	89.3
87	28.8	23.2	34.8
59	11.5	8.5	12.7



#21
1,1-Dichloroethane
Concen: 2.555 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	63	Resp:	14352
Ion	Ratio	Lower	Upper
63	100		
98	6.7	4.2	12.4
100	6.1	2.8	8.3



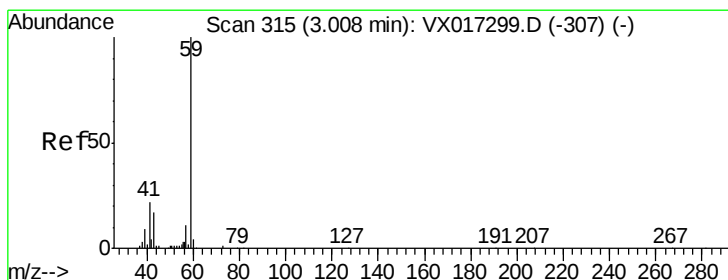
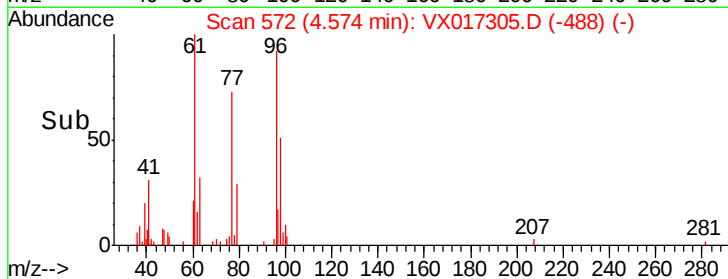
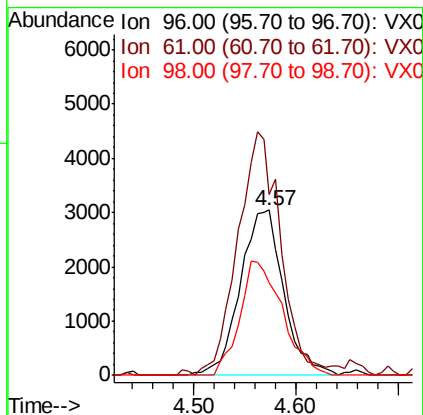
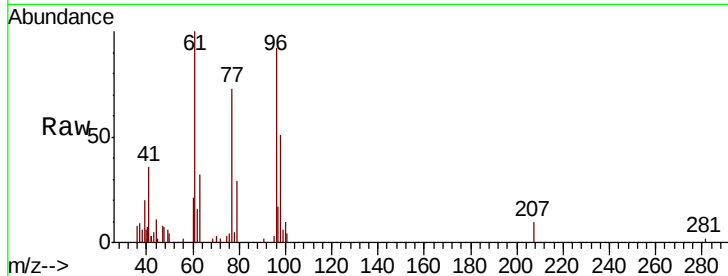


#22

cis-1,2-Dichloroethene
 Concen: 2.504 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

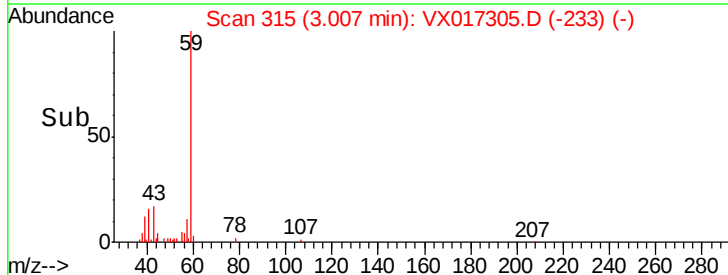
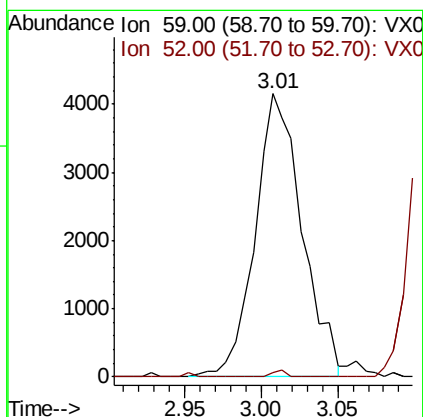
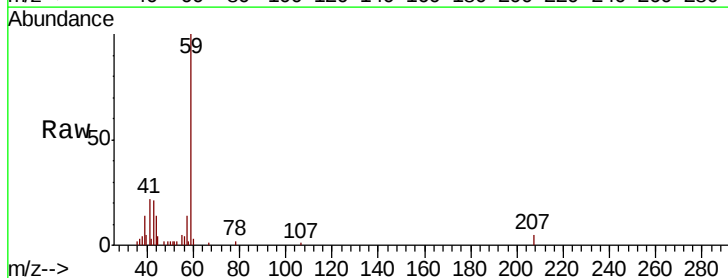
Tot Ion: 96 Resp: 8999
 Ion Ratio Lower Upper
 96 100
 61 144.7 111.7 167.5
 98 68.0 50.9 76.3

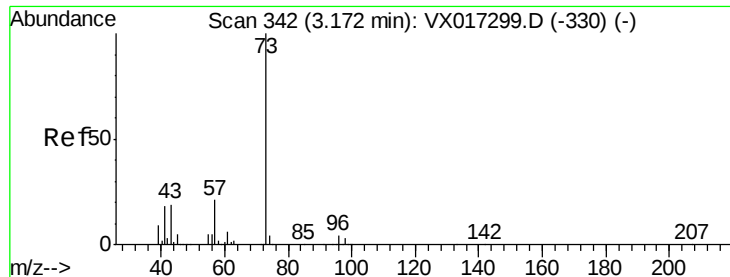


#23

tert-Butyl Alcohol
 Concen: 12.653 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 59 Resp: 8843
 Ion Ratio Lower Upper
 59 100
 52 0.7 0.4 0.6#



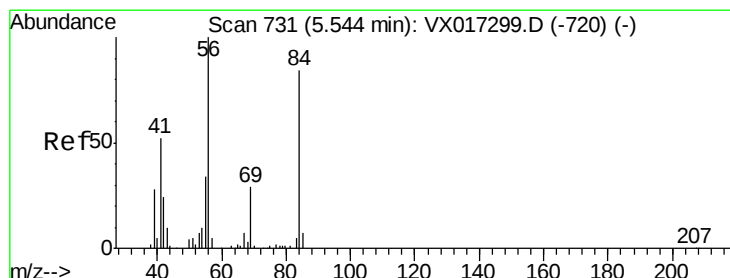
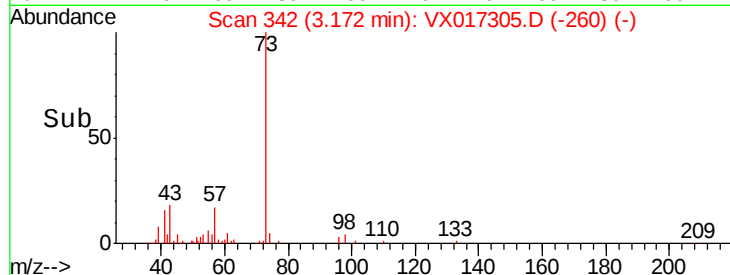
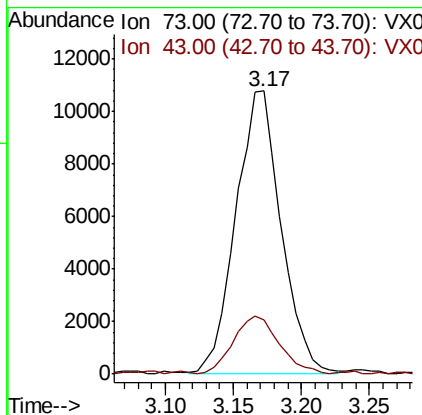
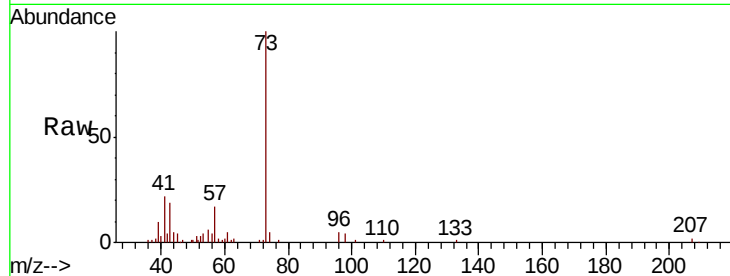


#24

Methvl tert-Butvl Ether
 Concen: 2.434 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

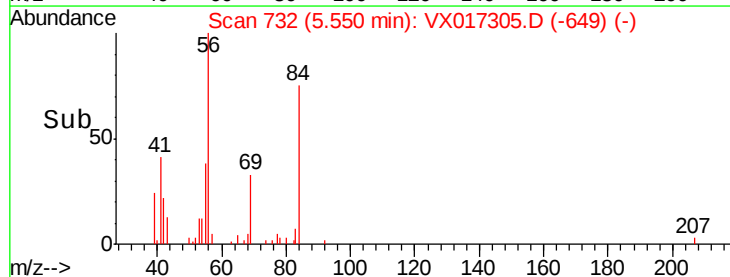
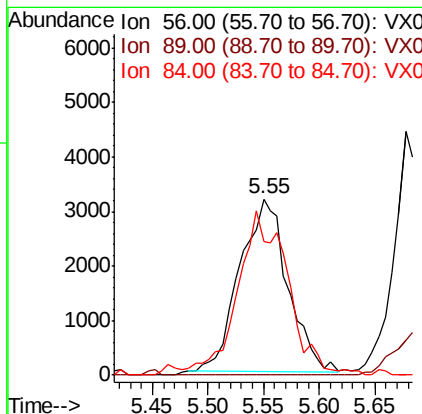
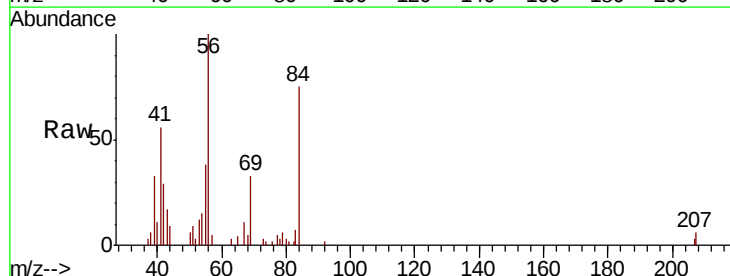
Tot Ion: 73 Resp: 25037
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.3 24.5

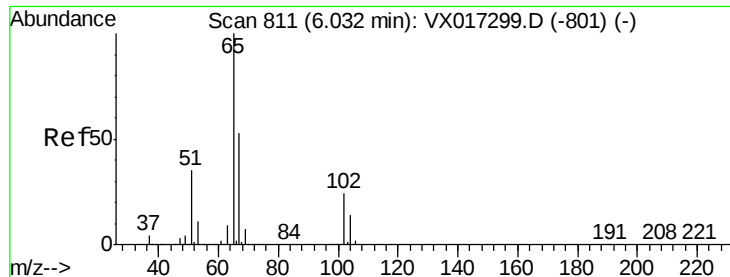


#26

Cyclohexane
 Concen: 2.179 ug/l
 RT: 5.55 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 56 Resp: 9534
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 57.8 71.5 107.3#

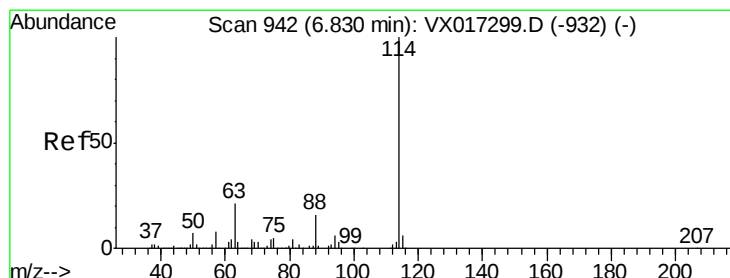
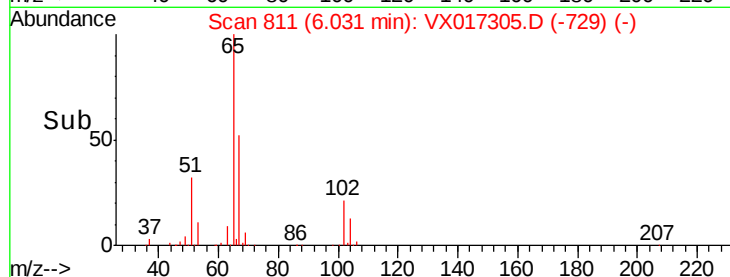
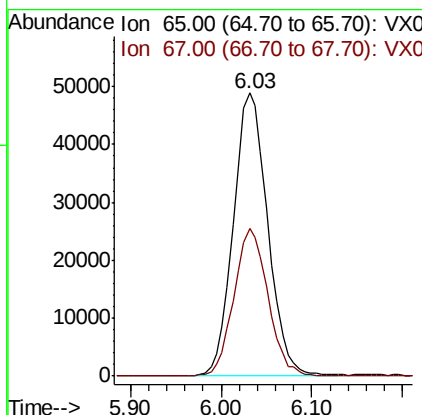
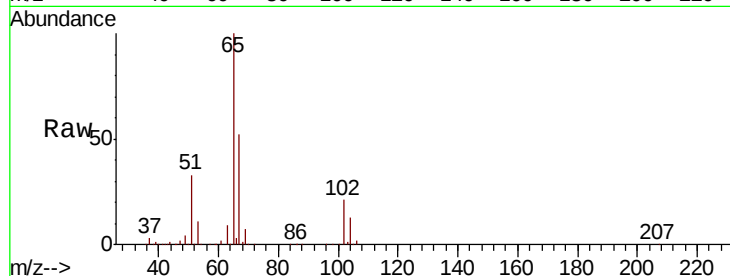




#27
 1,2-Dichloroethane-d4
 Concen: 30.449 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

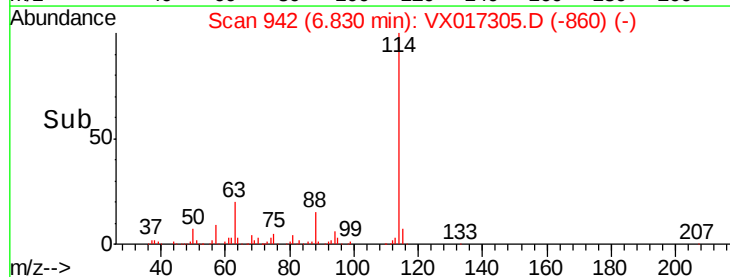
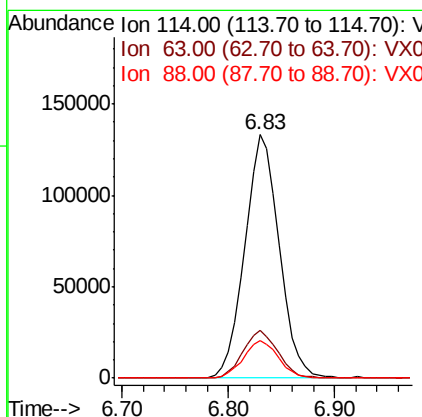
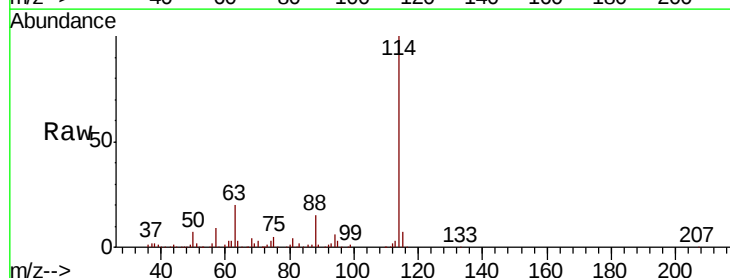
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

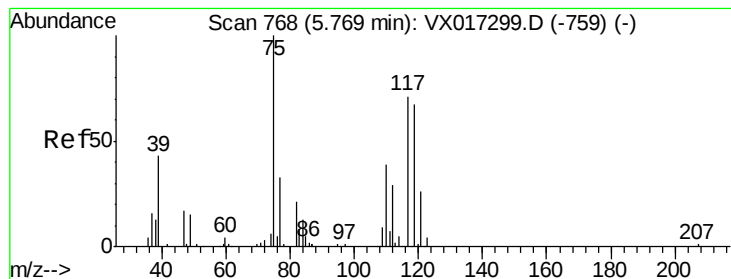
Tot Ion: 65 Resp: 128301
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 114 Resp: 302665
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.9 23.9
 88 15.7 12.4 18.6





#29

1,1-Dichloropropene

Concen: 2.382 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

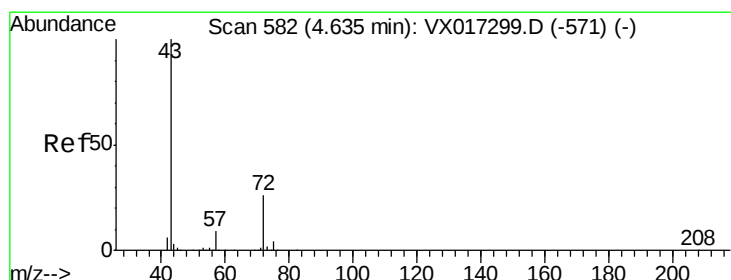
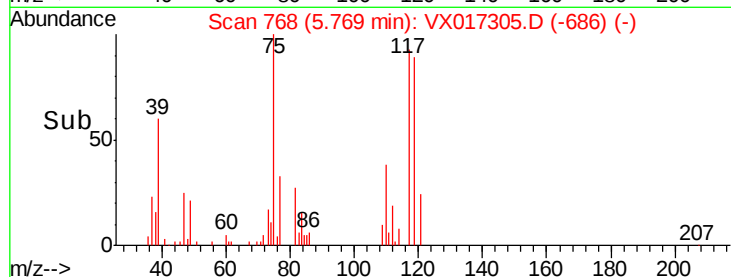
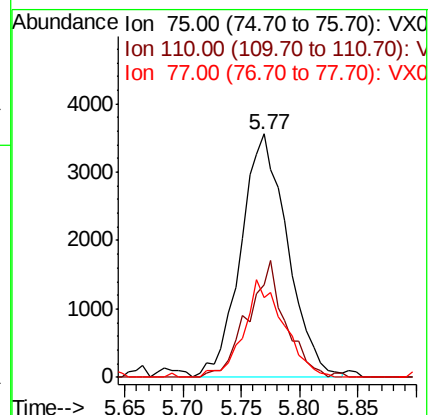
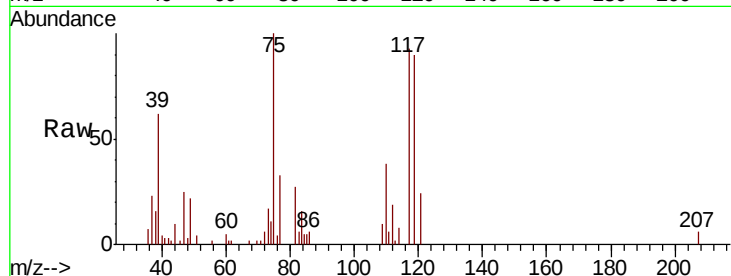
Tot Ion: 75 Resp: 9943

Ion Ratio Lower Upper

75 100

110 37.3 0.0 75.8

77 33.7 0.0 63.4



#30

2-Butanone

Concen: 12.109 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

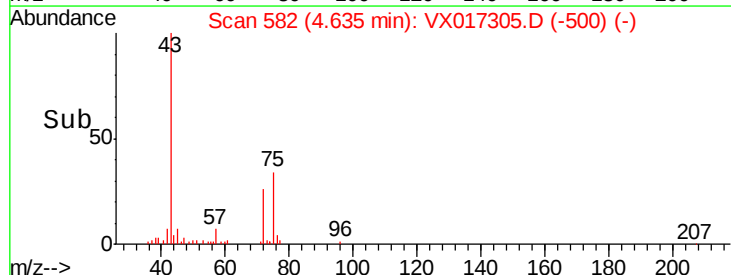
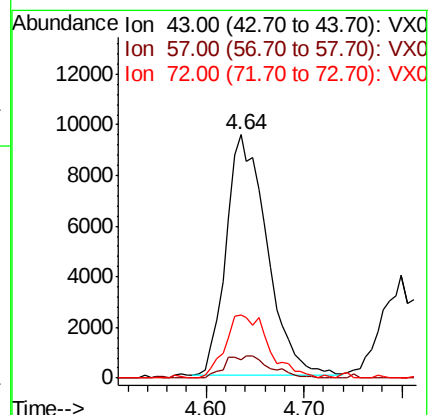
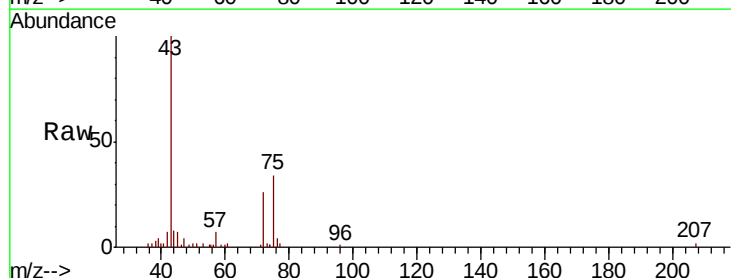
Tgt Ion: 43 Resp: 27643

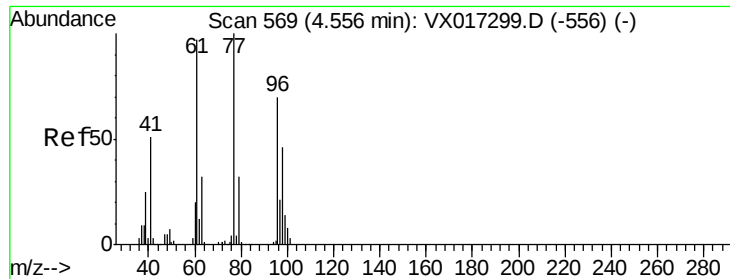
Ion Ratio Lower Upper

43 100

57 2.9 6.8 10.2#

72 17.4 21.0 31.6#





#31

2,2-Dichloropropane

Concen: 1.581 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

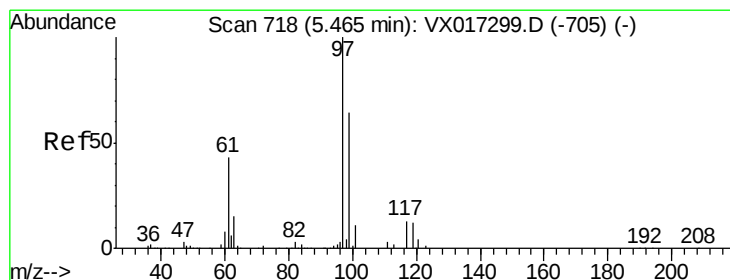
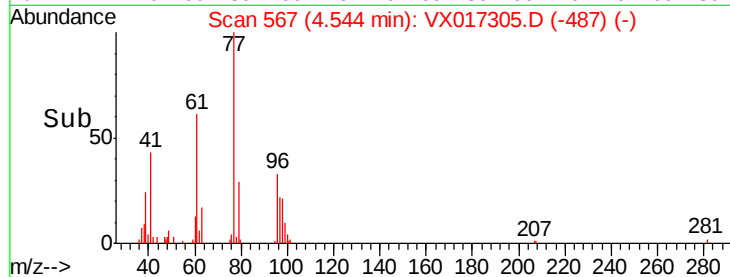
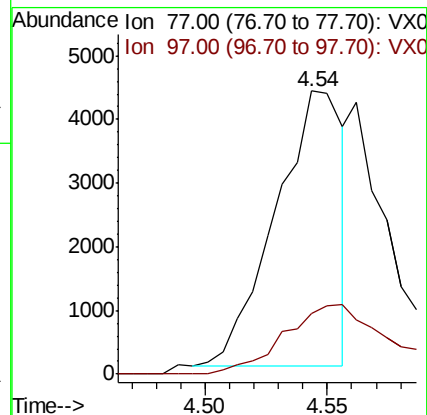
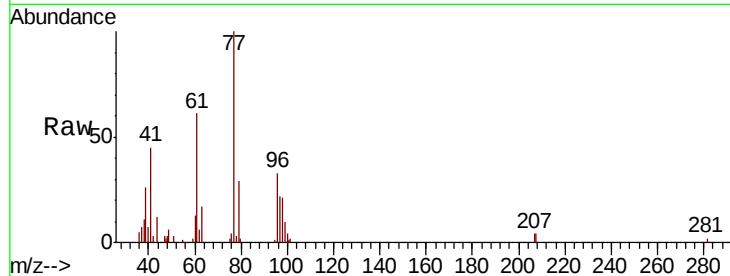
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 77 Resp: 8265

Ion Ratio Lower Upper

77 100

97 38.3 18.2 27.2#



#32

1,1,1-Trichloroethane

Concen: 2.587 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

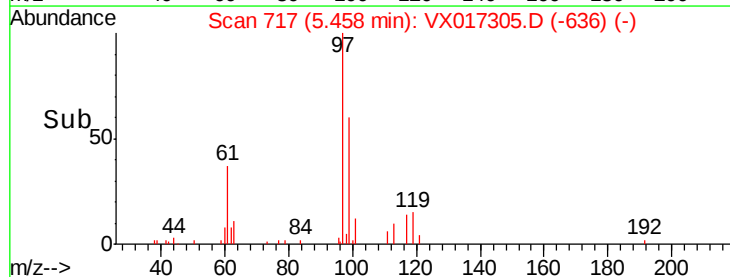
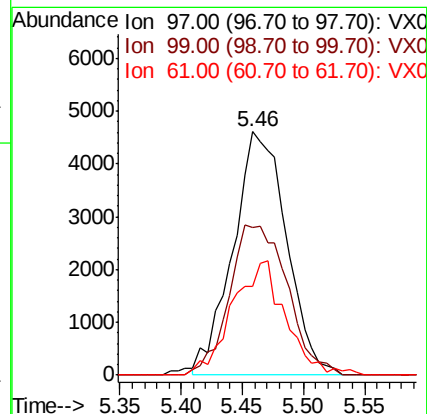
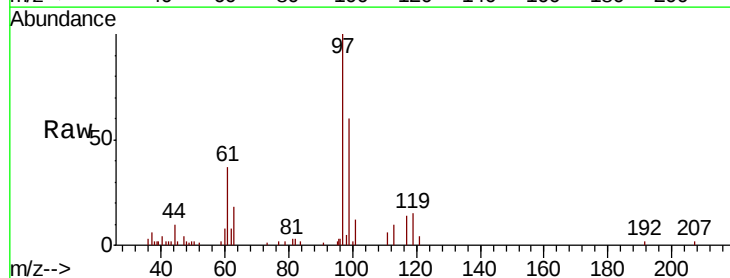
Tgt Ion: 97 Resp: 14057

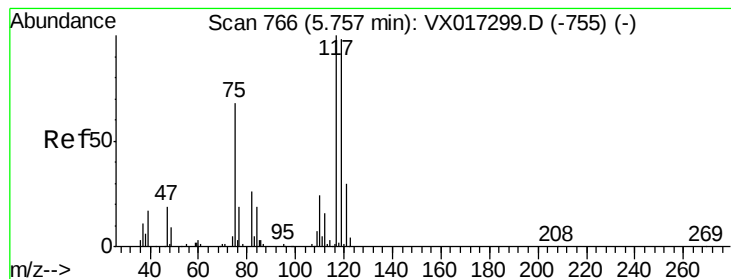
Ion Ratio Lower Upper

97 100

99 66.6 53.2 79.8

61 45.5 34.0 51.0





#33

Carbon Tetrachloride

Concen: 2.501 ug/l

RT: 5.76 min Scan# 767

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

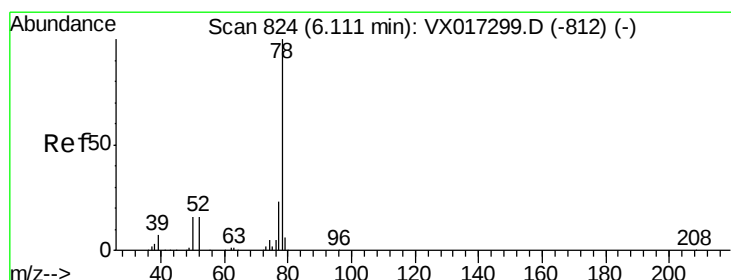
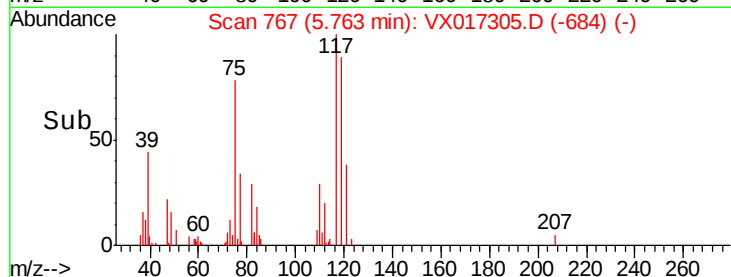
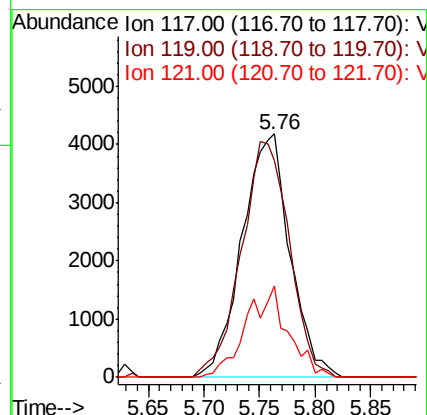
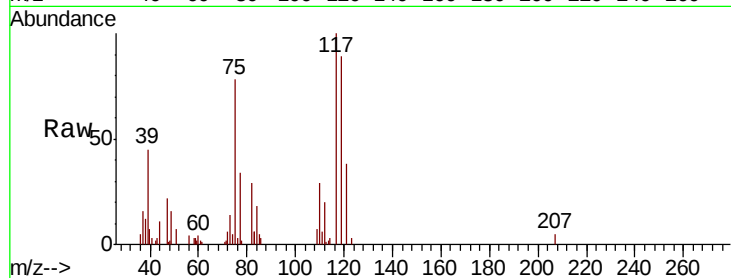
Tot Ion:117 Resp: 12531

Ion Ratio Lower Upper

117 100

119 88.8 78.8 118.2

121 37.5 23.7 35.5#



#34

Benzene

Concen: 2.518 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

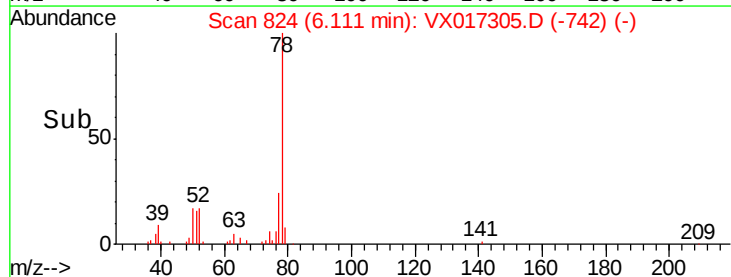
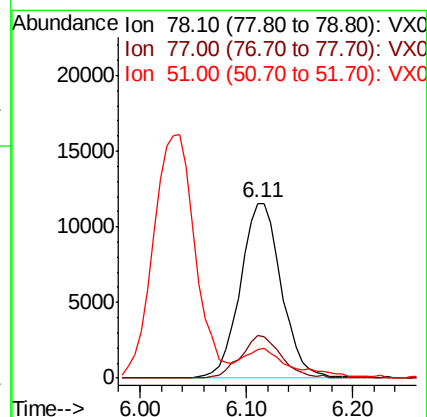
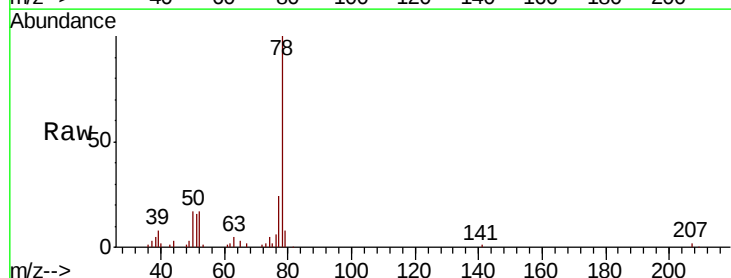
Tgt Ion: 78 Resp: 31270

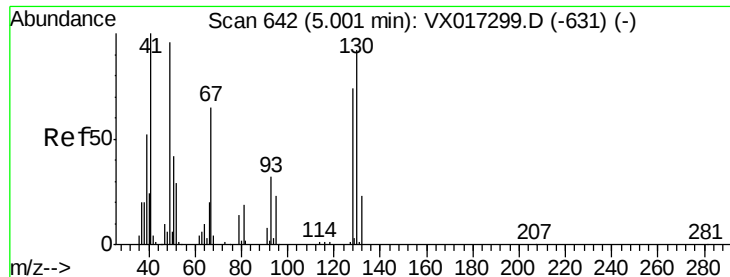
Ion Ratio Lower Upper

78 100

77 24.0 18.1 27.1

51 14.0 12.9 19.3

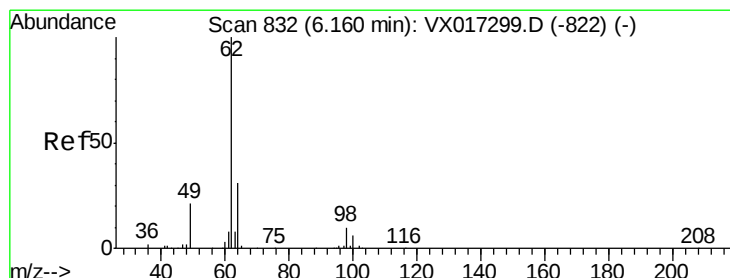
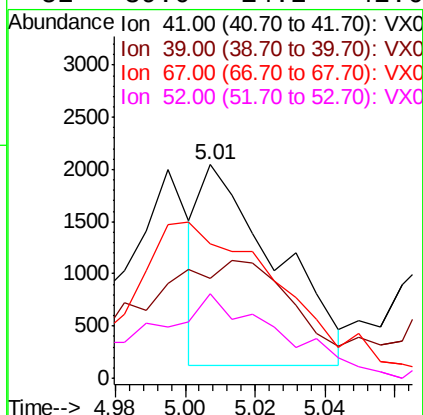
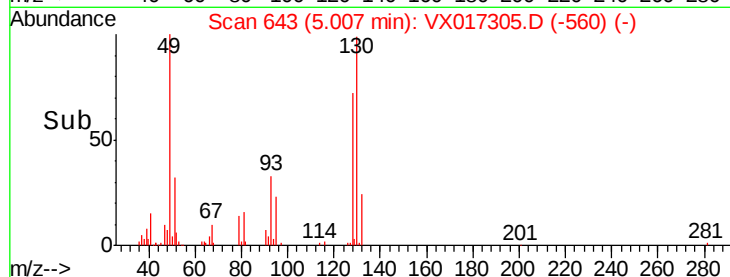
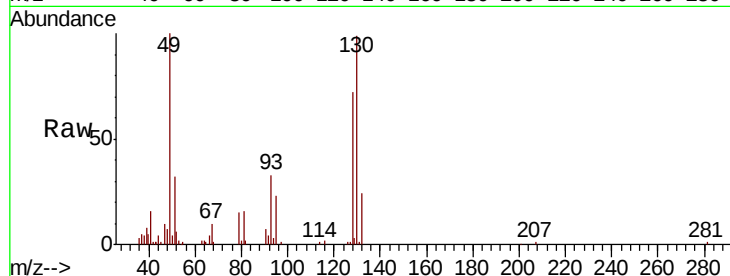




#35
Methacrylonitrile
Concen: 1.123 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

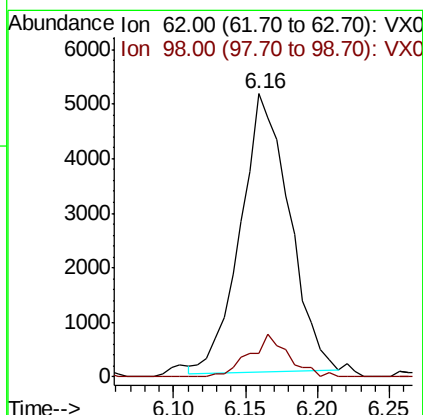
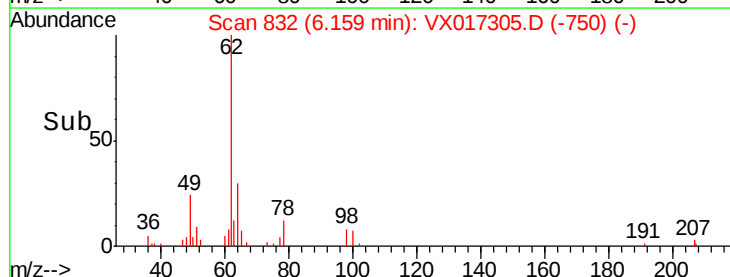
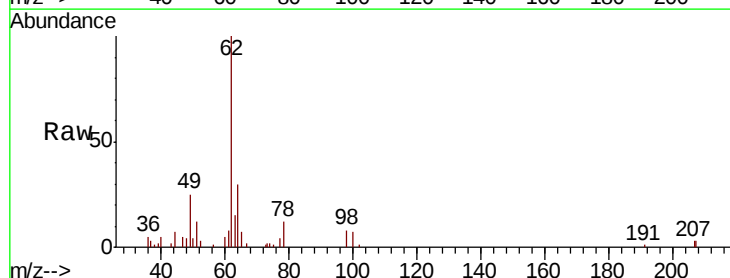
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

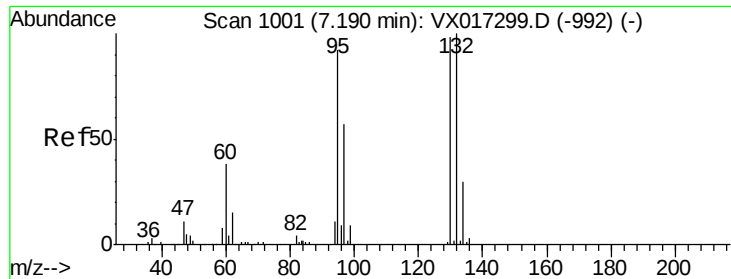
Tot Ion:	41	Resp:	2871
Ion	Ratio	Lower	Upper
41	100		
39	41.3	26.0	78.0
67	63.0	32.6	97.8
52	39.0	14.2	42.6



#36
1,2-Dichloroethane
Concen: 2.459 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	62	Resp:	12025
Ion	Ratio	Lower	Upper
62	100		
98	5.0	7.8	11.8#

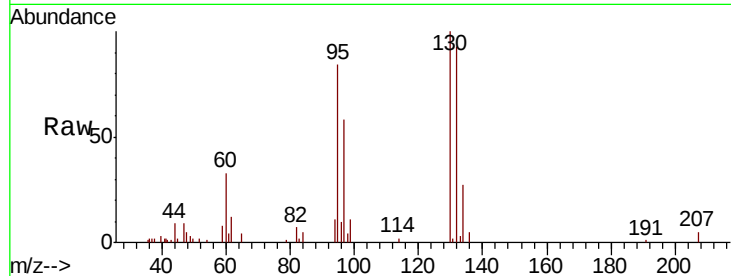




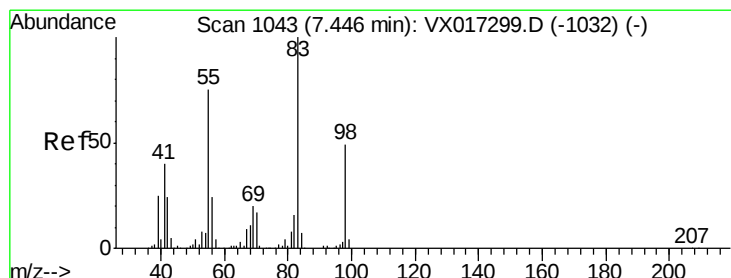
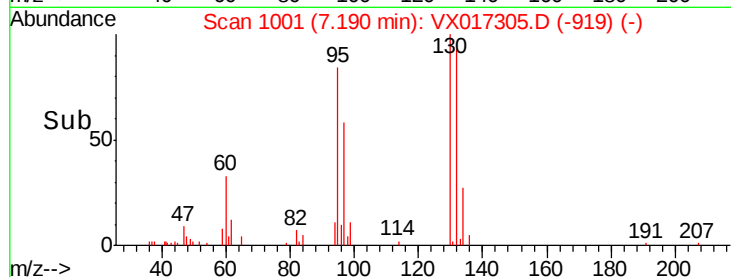
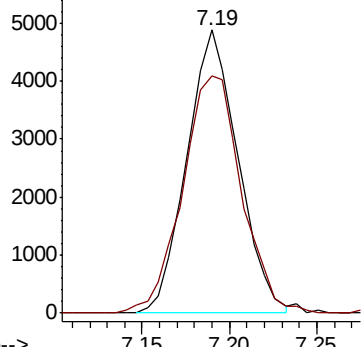
#37
 Trichloroethene
 Concen: 2.665 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:130 Resp: 9956
 Ion Ratio Lower Upper
 130 100
 95 81.0 74.4 111.6

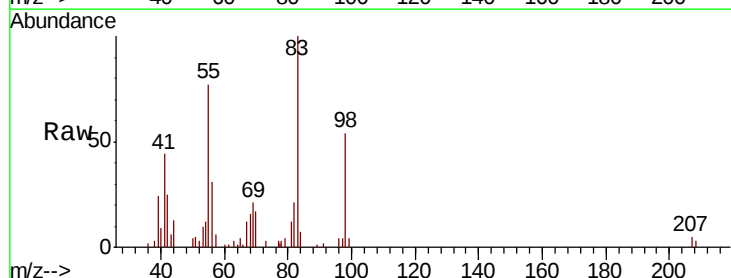


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

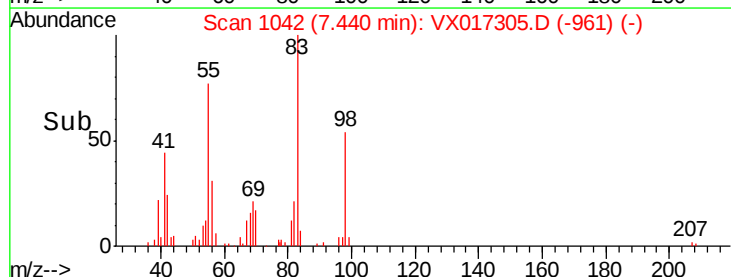
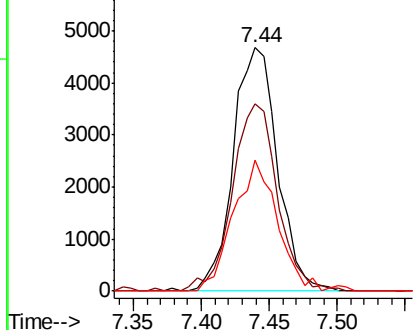


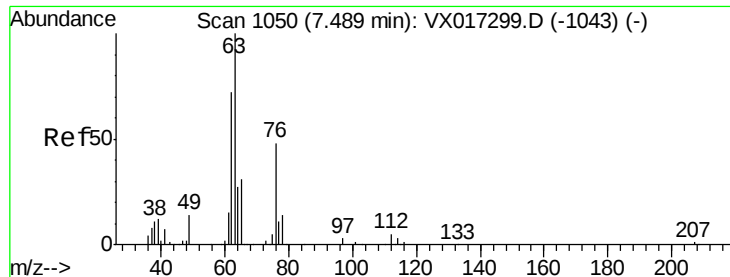
#38
 Methylcyclohexane
 Concen: 2.417 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 83 Resp: 10629
 Ion Ratio Lower Upper
 83 100
 55 77.4 39.0 117.0
 98 53.6 25.3 75.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

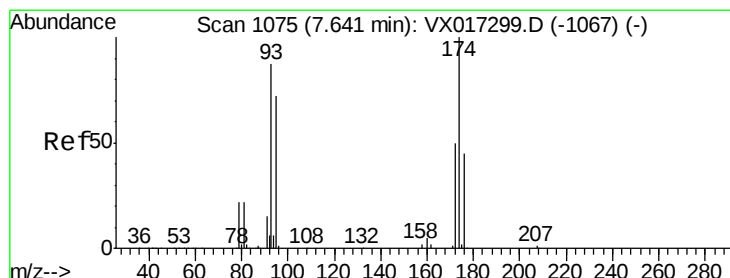
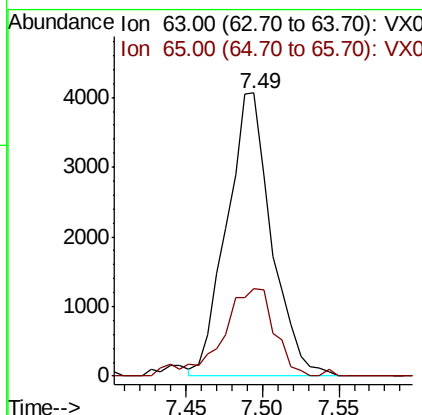
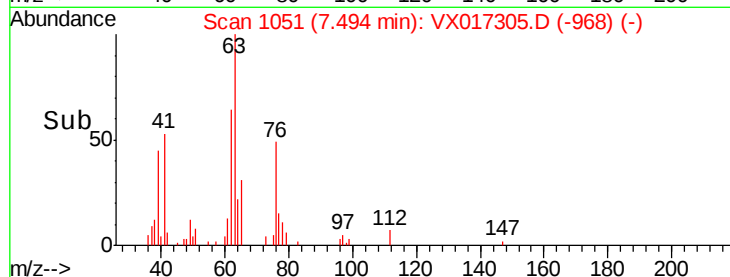
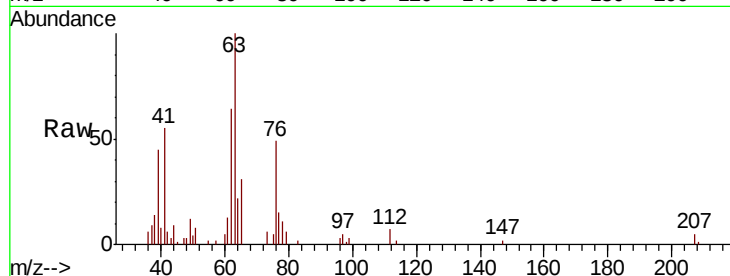




#39
 1,2-Dichloropropane
 Concen: 2.537 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

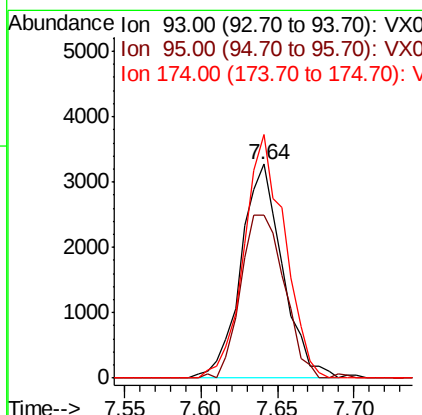
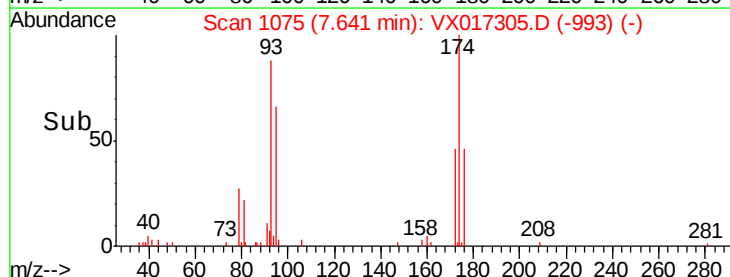
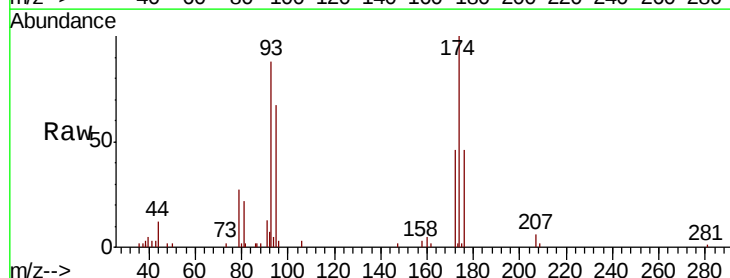
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

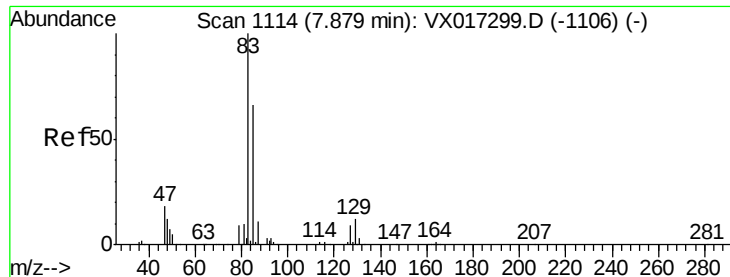
Tot Ion: 63 Resp: 8233
 Ion Ratio Lower Upper
 63 100
 65 30.8 27.4 41.0



#40
 Dibromomethane
 Concen: 2.647 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 93 Resp: 6188
 Ion Ratio Lower Upper
 93 100
 95 79.4 0.0 164.4
 174 110.9 0.0 224.8





#41

Bromodichloromethane

Concen: 2.475 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

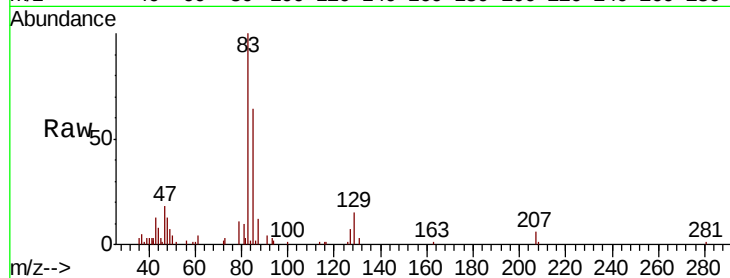
Tot Ion: 83 Resp: 12074

Ion Ratio Lower Upper

83 100

85 64.1 53.1 79.7

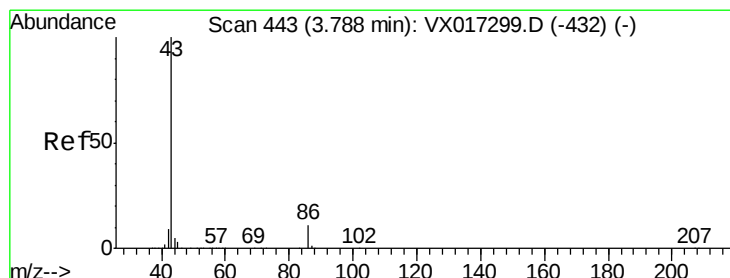
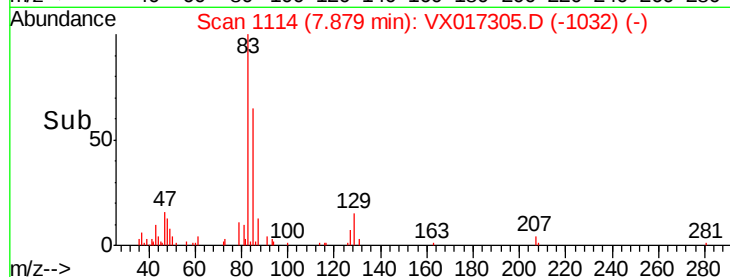
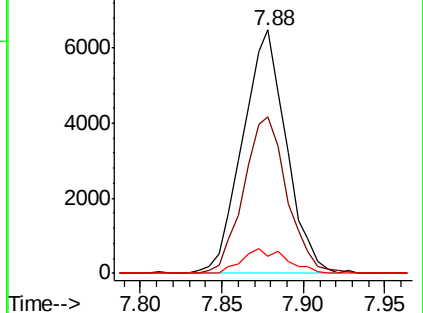
127 7.2 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 11.510 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017305.D

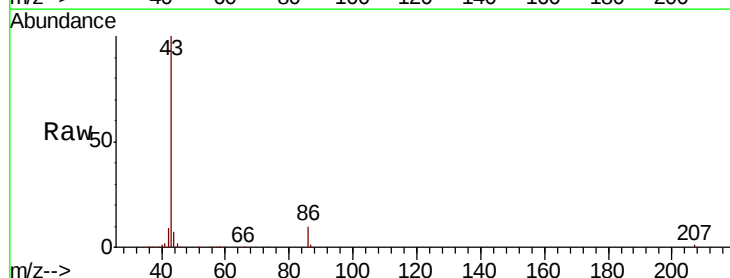
Acq: 09 Jul 2020 14:18

Tgt Ion: 43 Resp: 100422

Ion Ratio Lower Upper

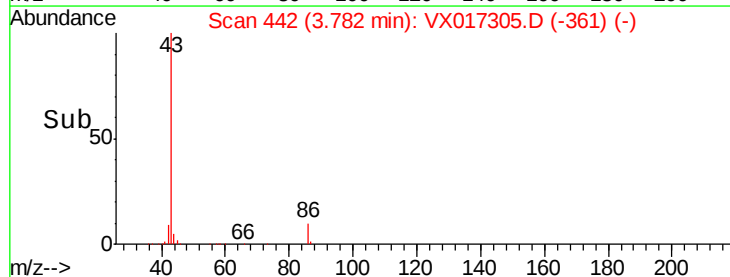
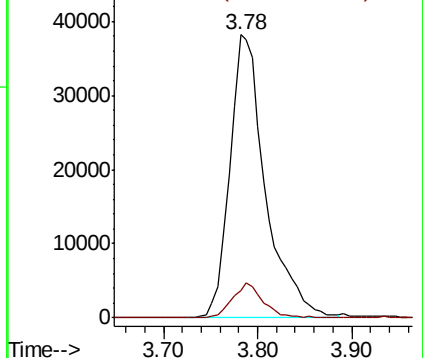
43 100

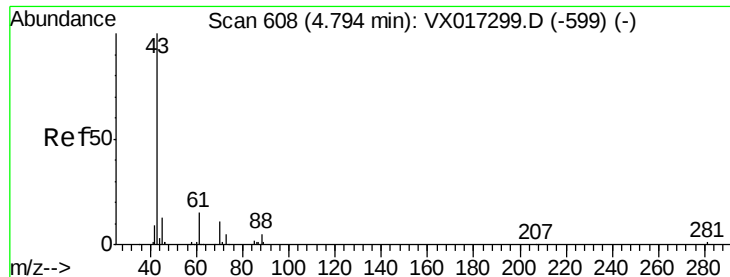
86 10.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 2.453 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

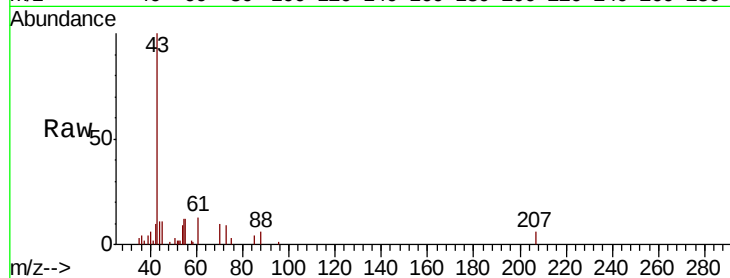
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 11014

Ion Ratio Lower Upper

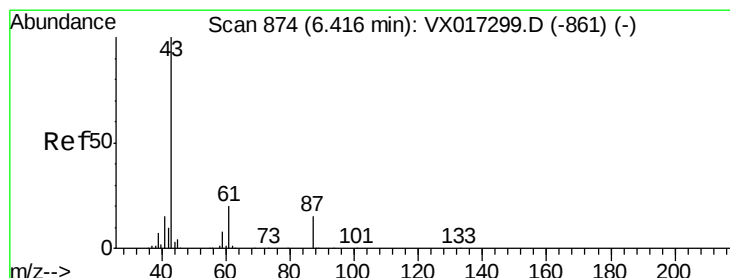
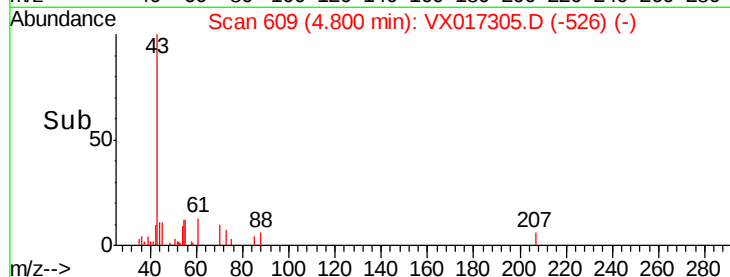
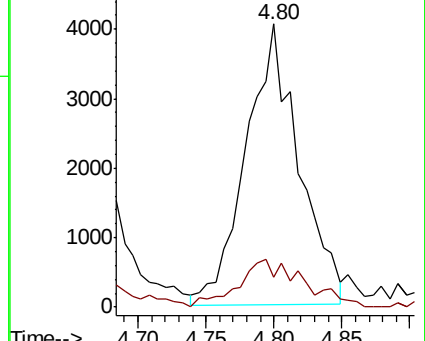
43 100

45 13.8 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 2.477 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017305.D

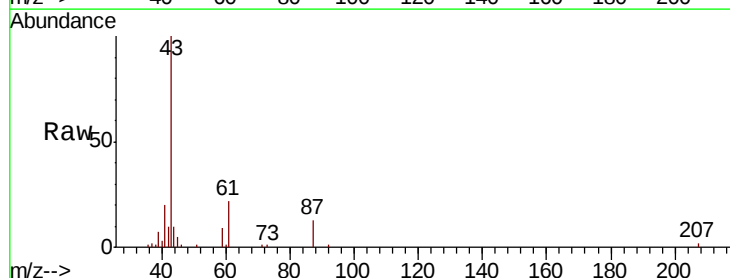
Acq: 09 Jul 2020 14:18

Tgt Ion: 43 Resp: 18508

Ion Ratio Lower Upper

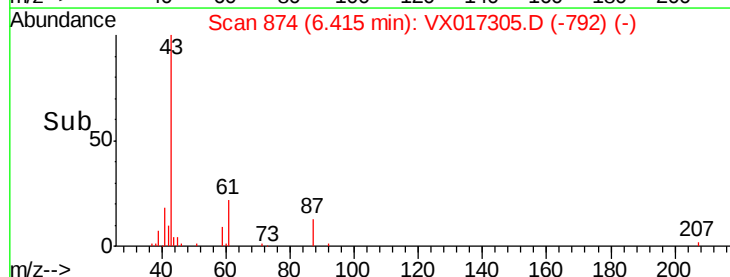
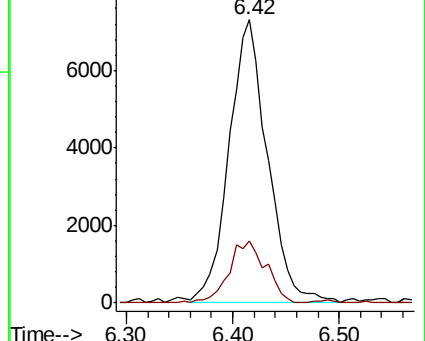
43 100

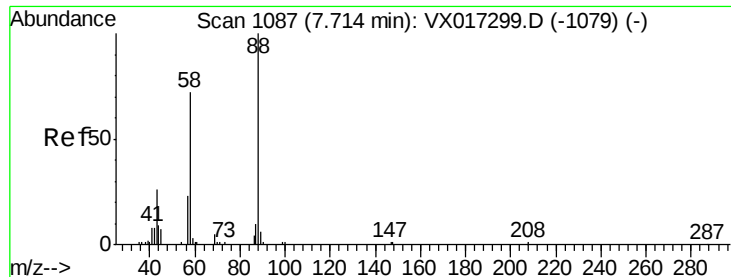
61 21.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 48.331 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

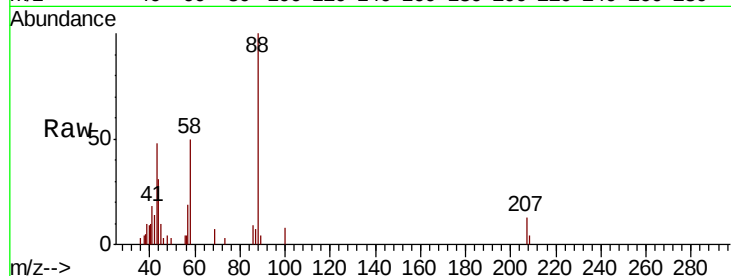
Tot Ion: 88 Resp: 3442

Ion Ratio Lower Upper

88 100

43 24.0 29.0 43.4#

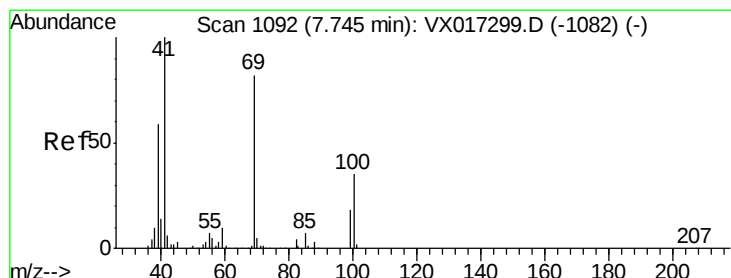
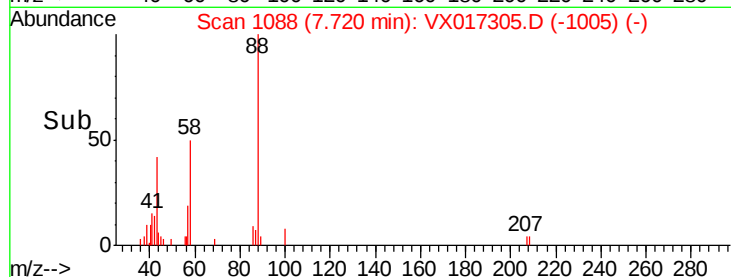
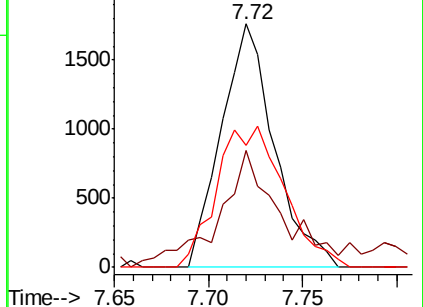
58 36.7 58.3 87.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 2.148 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

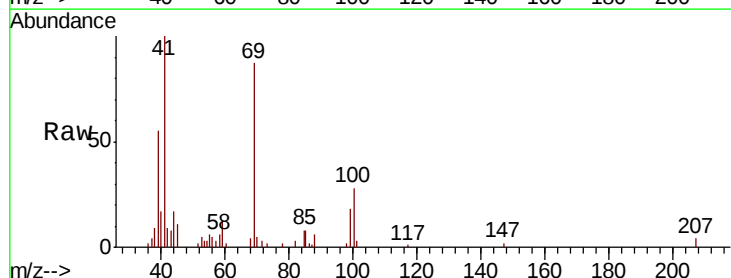
Tgt Ion: 41 Resp: 7819

Ion Ratio Lower Upper

41 100

69 87.0 41.1 123.3

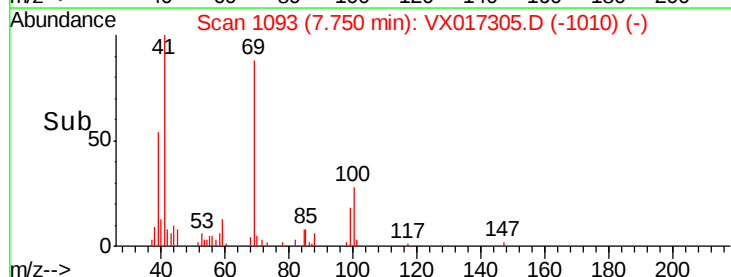
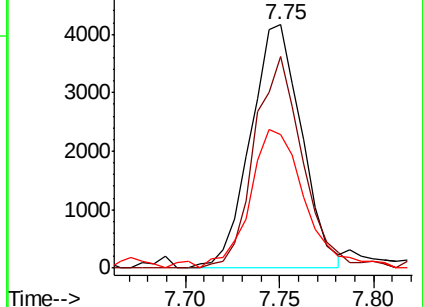
39 52.2 29.2 87.6

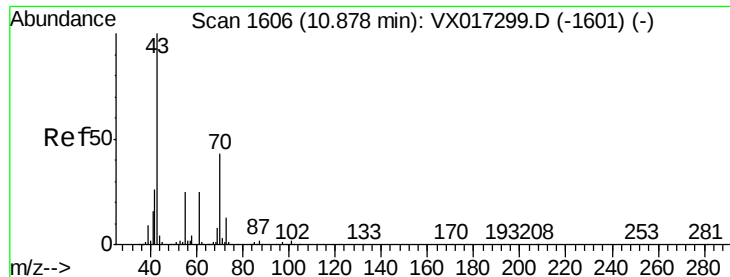


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amyl Acetate

Concen: 2.017 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

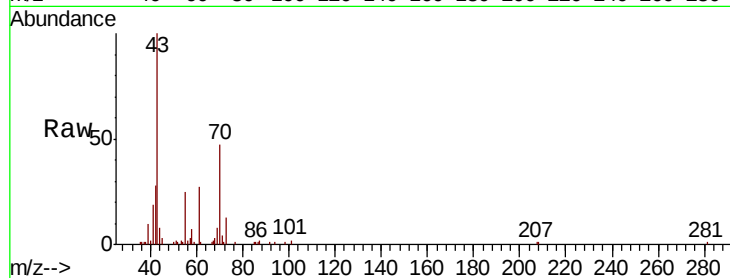
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 13343

Ion Ratio Lower Upper

43 100

55 26.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

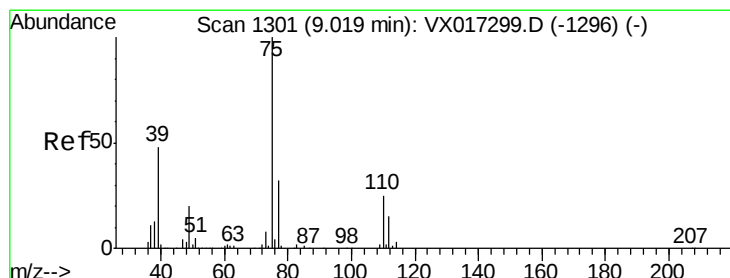
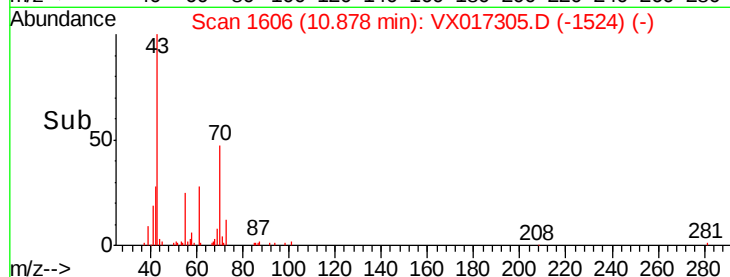
4000

2000

0

10.85 10.90 10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 2.205 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX017305.D

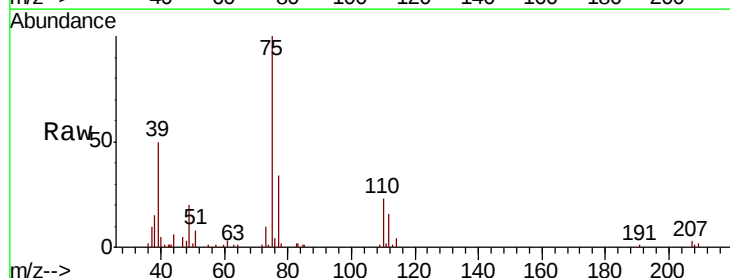
Acq: 09 Jul 2020 14:18

Tgt Ion: 75 Resp: 11875

Ion Ratio Lower Upper

75 100

77 33.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8000

6000

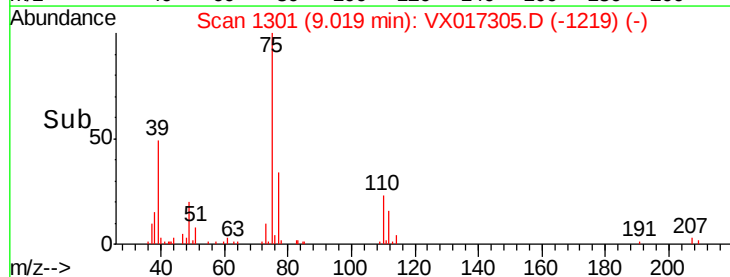
4000

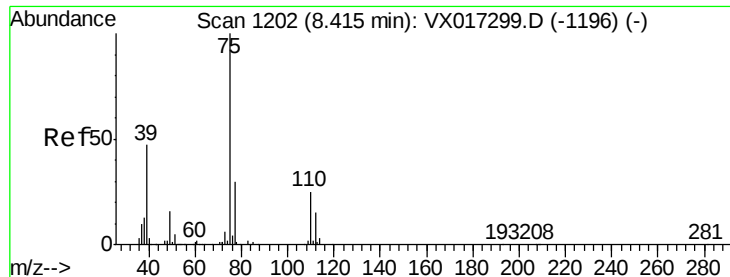
2000

0

9.00 9.05

Time-->



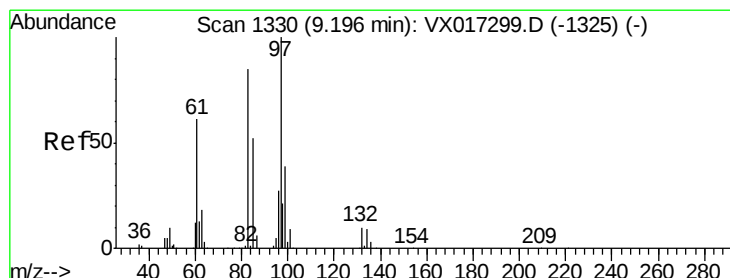
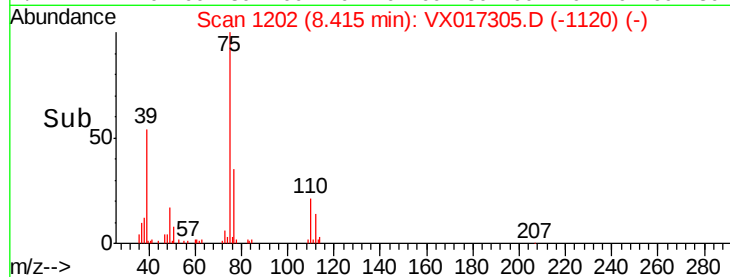
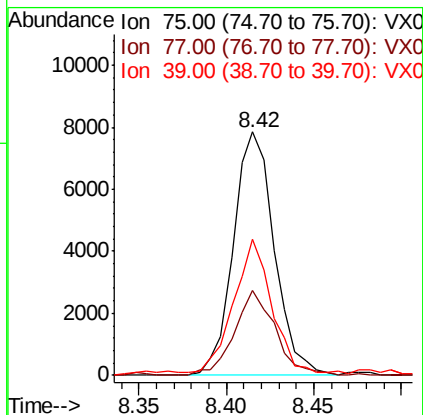
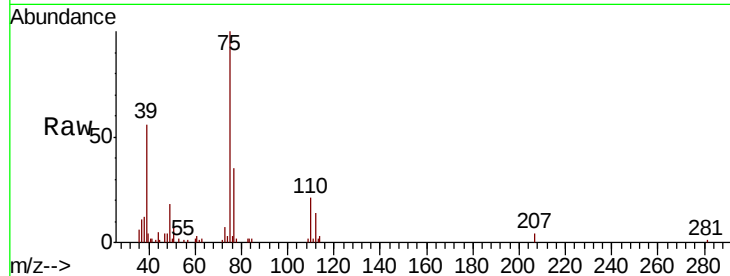


#49

cis-1,3-Dichloropropene
Concen: 2.274 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

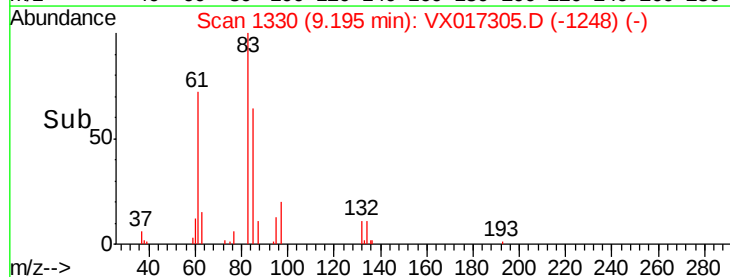
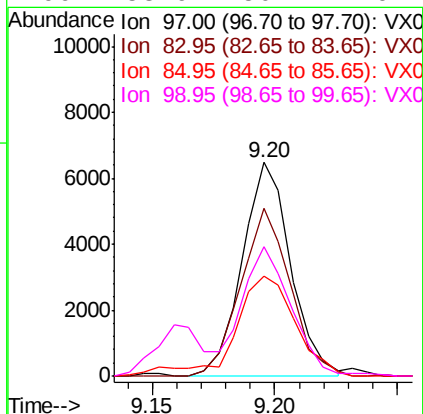
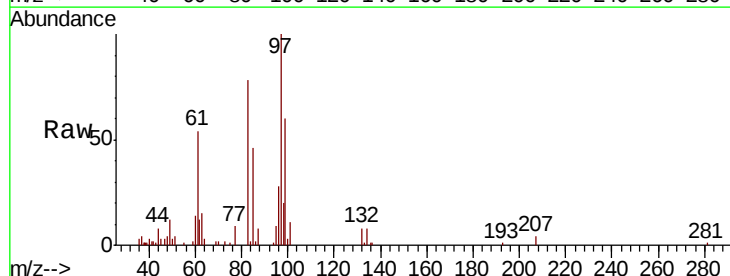
Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	23.6	35.4
39	54.6	37.5	56.3

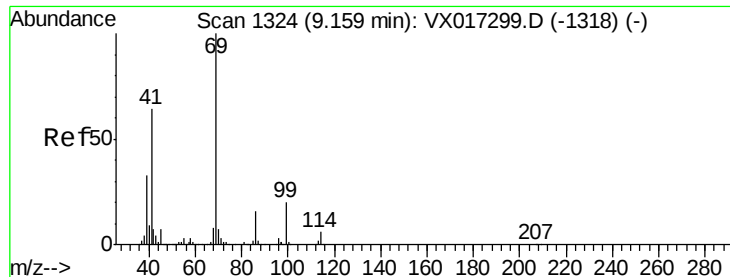


#50

1,1,2-Trichloroethane
Concen: 2.575 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.4	67.9	101.9
85	44.4	42.6	64.0
99	58.9	50.7	76.1





#51

Ethyl methacrylate

Concen: 2.139 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

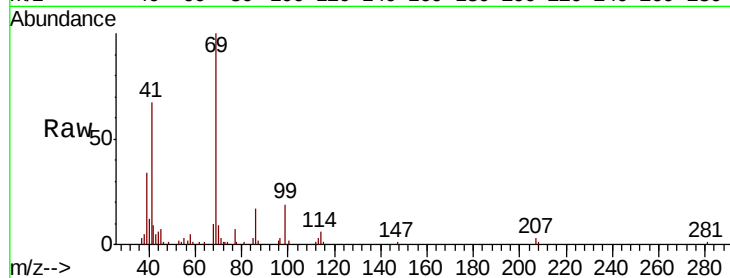
Tot Ion: 69 Resp: 10792

Ion Ratio Lower Upper

69 100

41 65.8 32.1 96.5

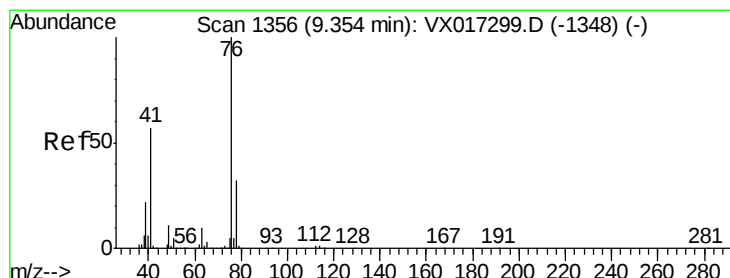
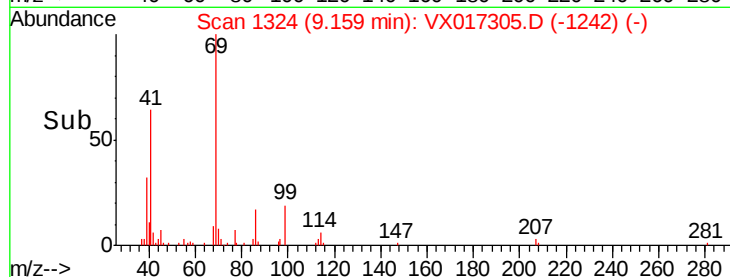
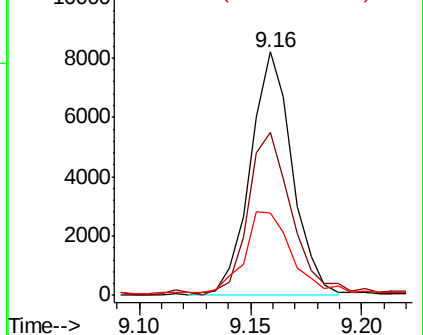
39 32.6 16.3 48.9



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 2.414 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017305.D

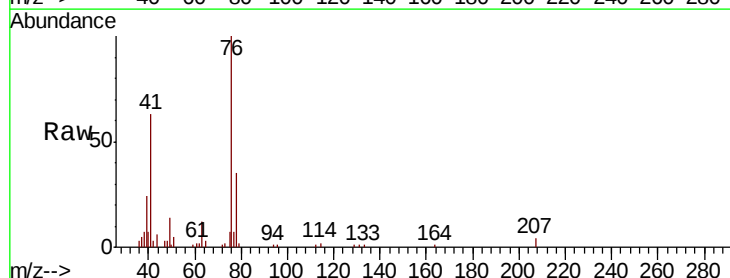
Acq: 09 Jul 2020 14:18

Tgt Ion: 76 Resp: 13617

Ion Ratio Lower Upper

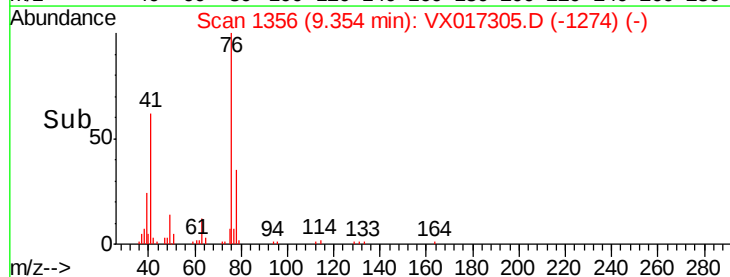
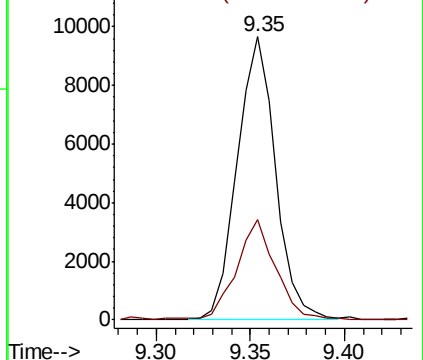
76 100

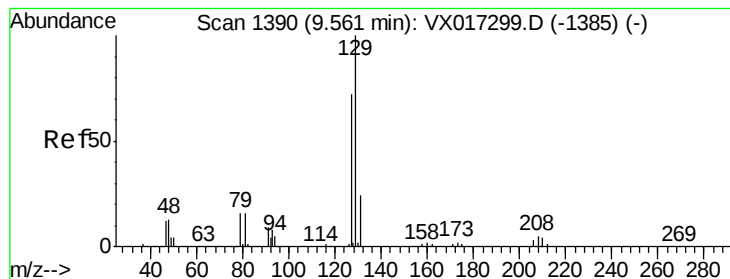
78 36.1 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 2.253 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

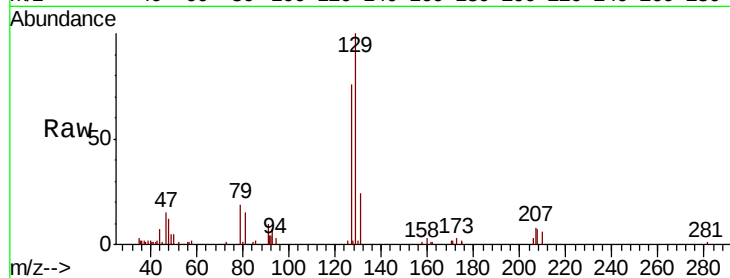
LOD-MDL-WATER-01-QT3-2020

Tot Ion:129 Resp: 9524

Ion Ratio Lower Upper

129 100

127 78.7 37.5 112.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

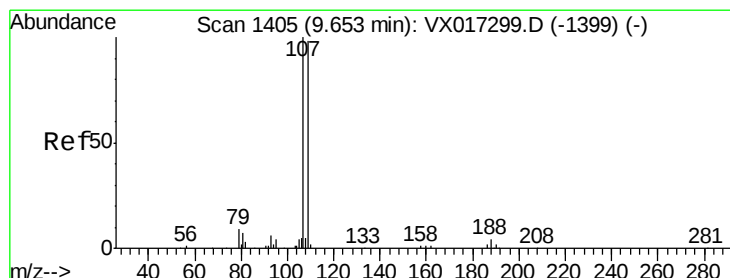
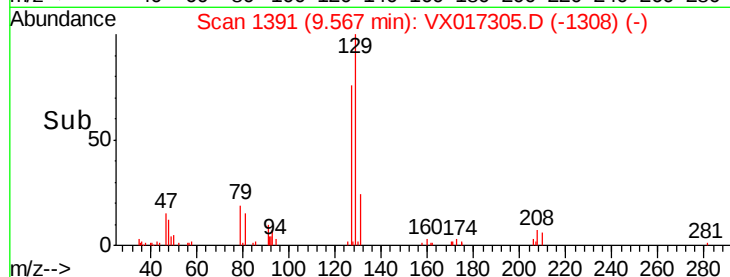
6000

4000

2000

0

Time--> 9.50 9.55 9.60



#54

1,2-Dibromoethane

Concen: 2.427 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017305.D

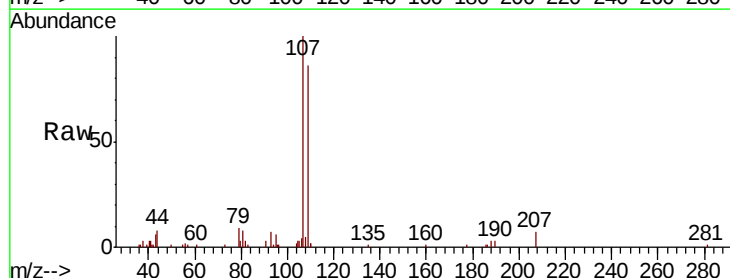
Acq: 09 Jul 2020 14:18

Tgt Ion:107 Resp: 8987

Ion Ratio Lower Upper

107 100

109 94.2 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.65

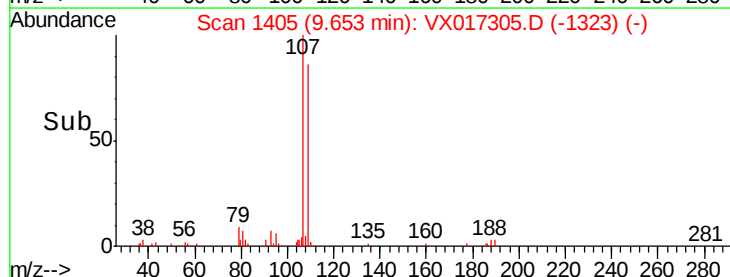
6000

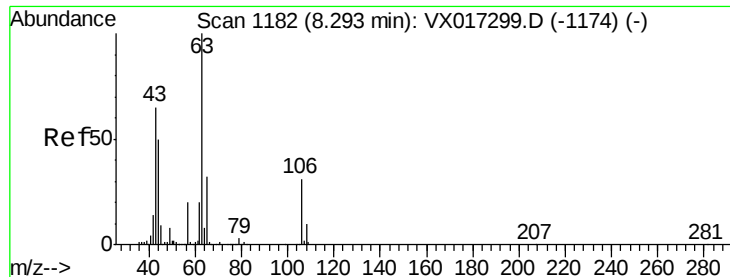
4000

2000

0

Time--> 9.60 9.65 9.70

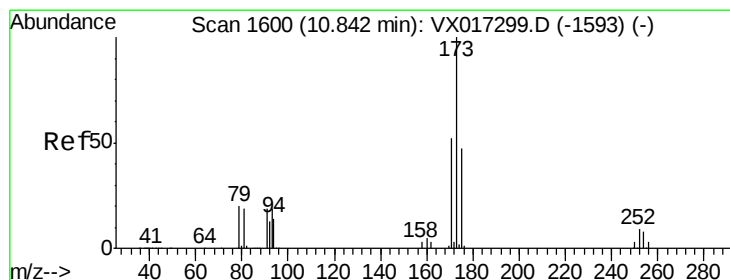
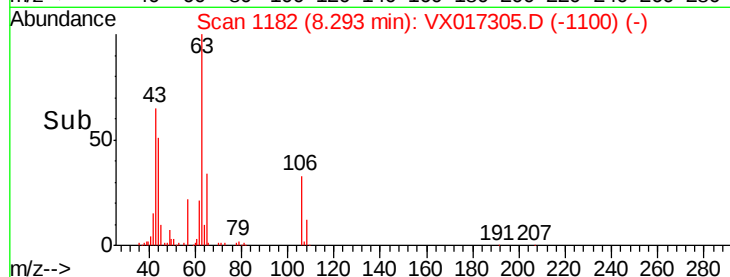
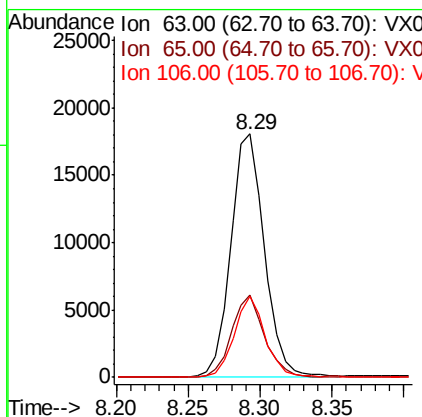
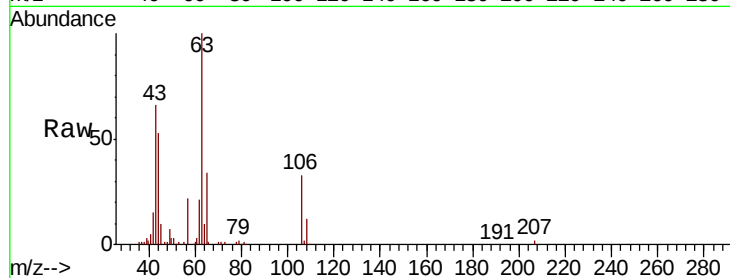




#55
2-Chloroethyl vinyl ether
Concen: 12.560 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

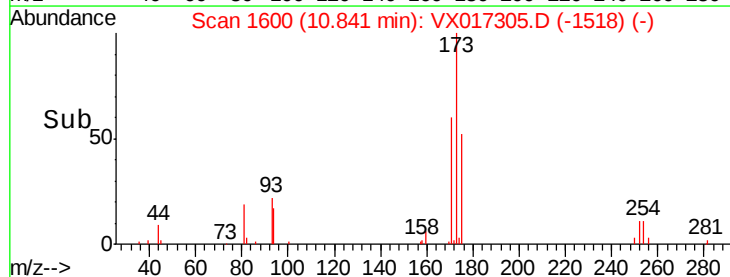
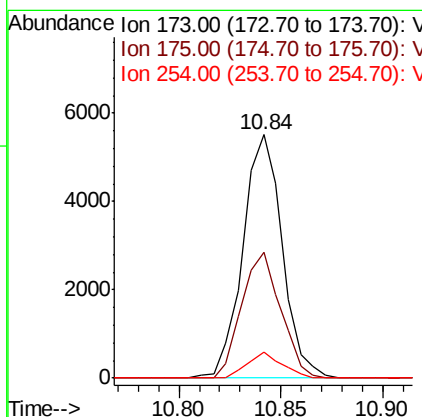
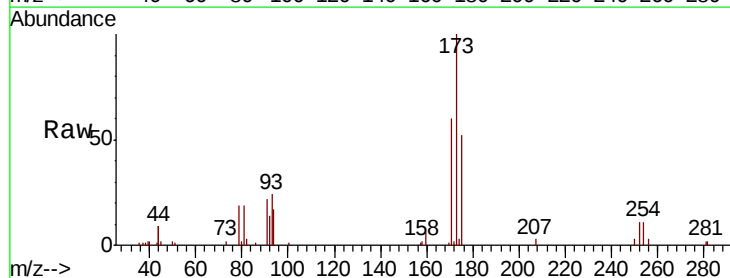
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

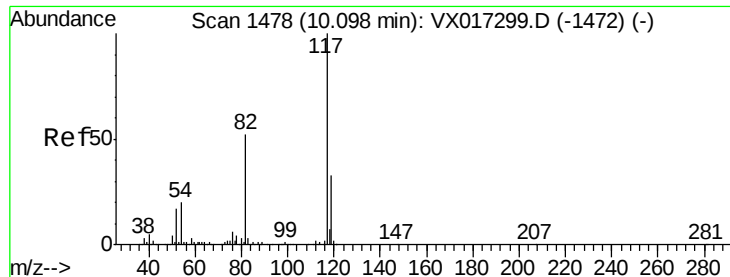
Tot Ion: 63 Resp: 29487
Ion Ratio Lower Upper
63 100
65 32.7 25.4 38.0
106 30.4 24.5 36.7



#56
Bromoform
Concen: 2.246 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 173 Resp: 7406
Ion Ratio Lower Upper
173 100
175 51.0 38.4 57.6
254 9.3 7.0 10.4

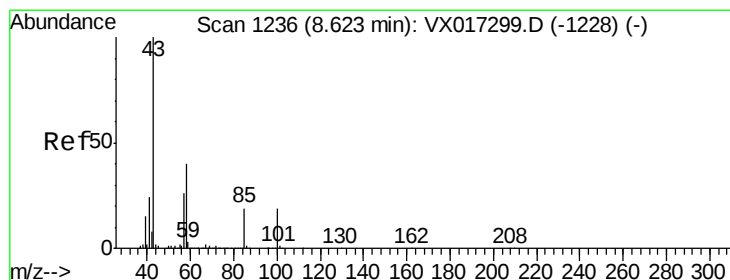
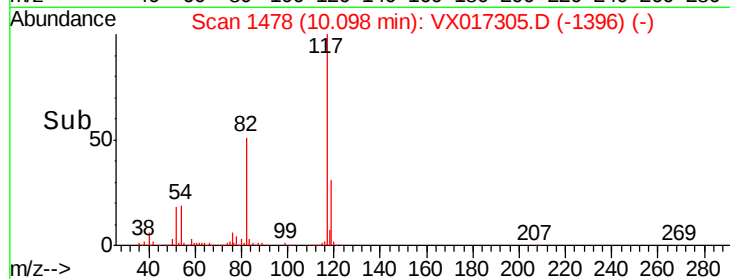
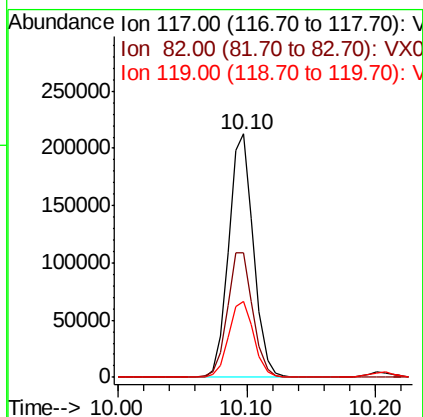
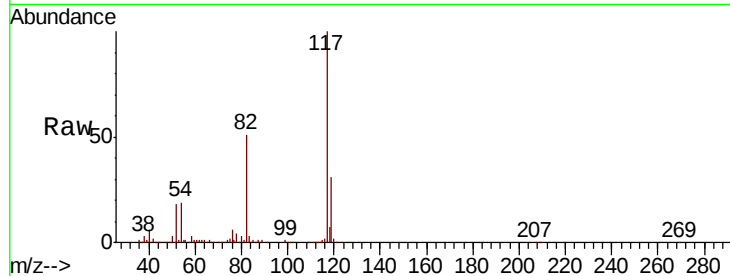




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

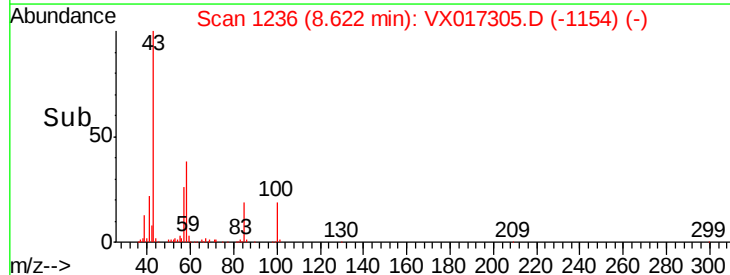
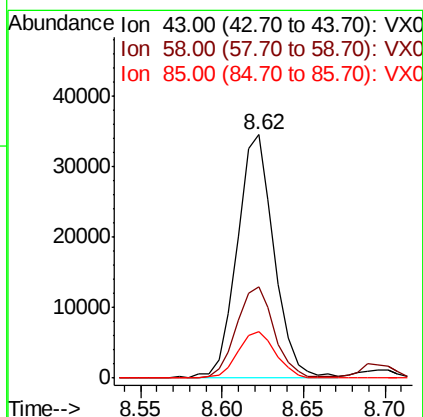
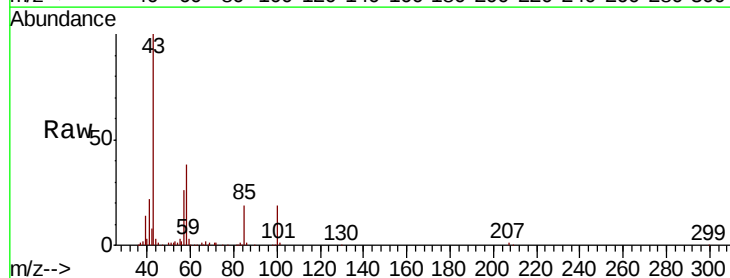
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

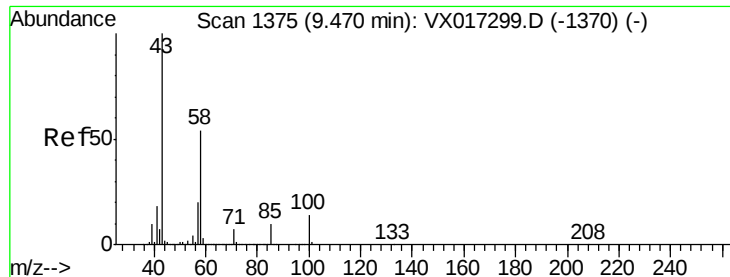
Tot Ion:117 Resp: 286312
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.6 26.4 39.6



#58
4-Methyl-2-Pentanone
Concen: 11.871 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 43 Resp: 53853
Ion Ratio Lower Upper
43 100
58 38.0 32.2 48.2
85 20.0 14.8 22.2

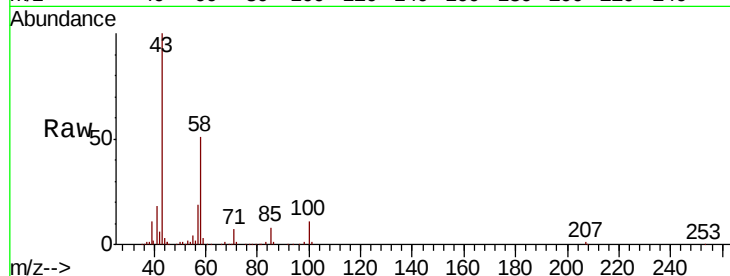




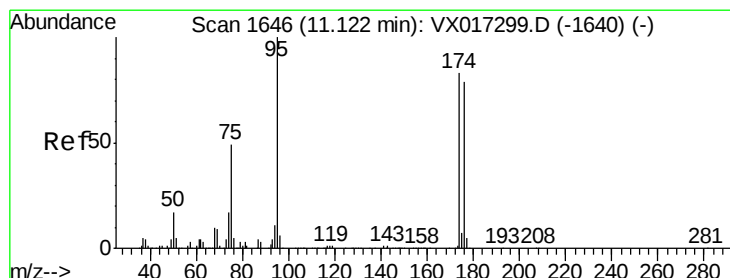
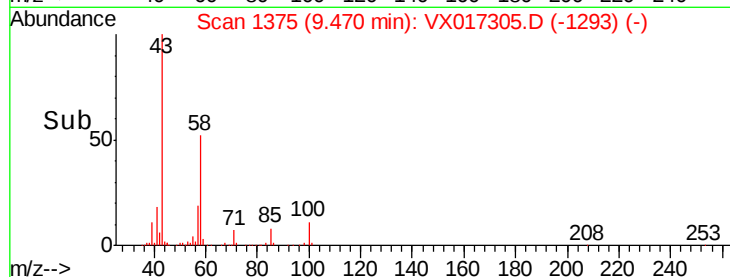
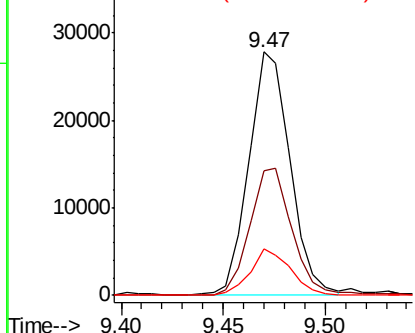
#59
2-Hexanone
Concen: 11.369 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 39318
Ion Ratio Lower Upper
43 100
58 53.3 43.4 65.0
57 18.5 15.1 22.7

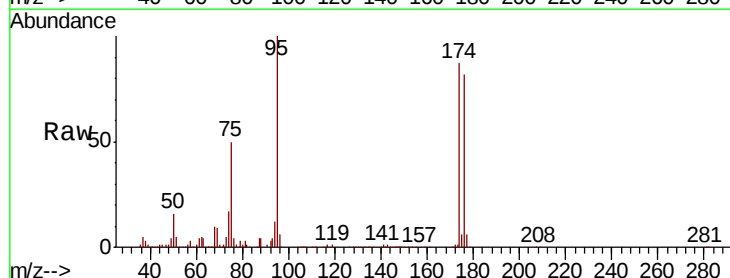


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

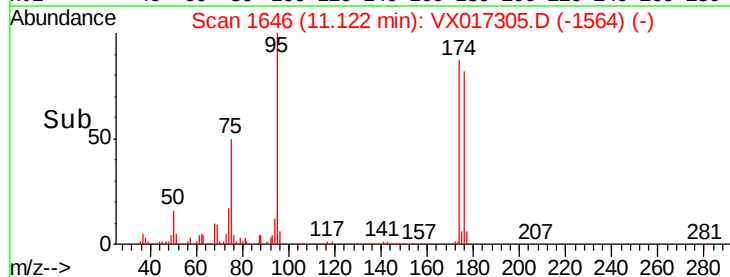
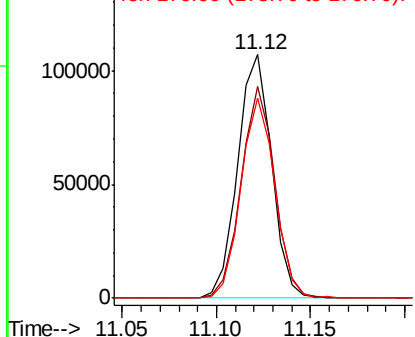


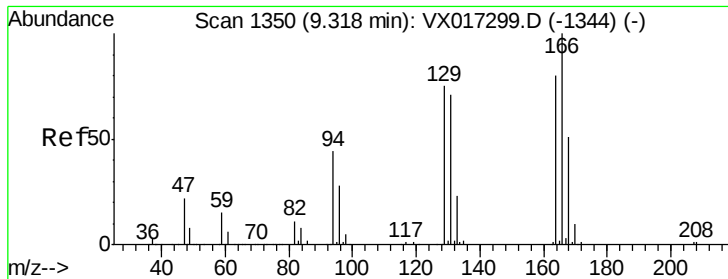
#60
4-Bromofluorobenzene
Concen: 27.370 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 95 Resp: 133687
Ion Ratio Lower Upper
95 100
174 86.0 66.9 100.3
176 82.2 65.5 98.3



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 2.769 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:164 Resp: 10100

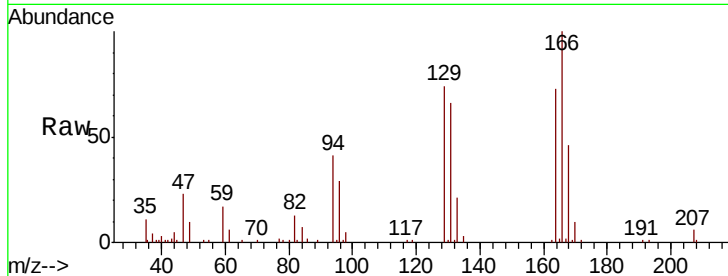
Ion Ratio Lower Upper

164 100

166 136.8 99.8 149.6

129 101.4 74.4 111.6

131 90.0 70.6 105.8

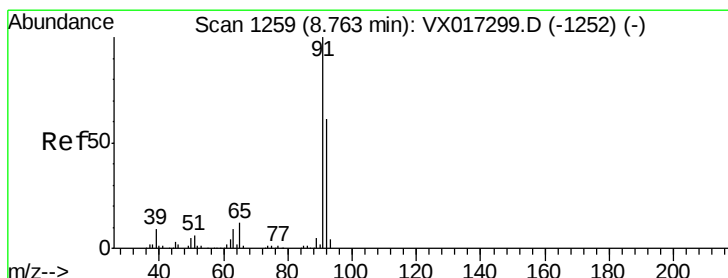
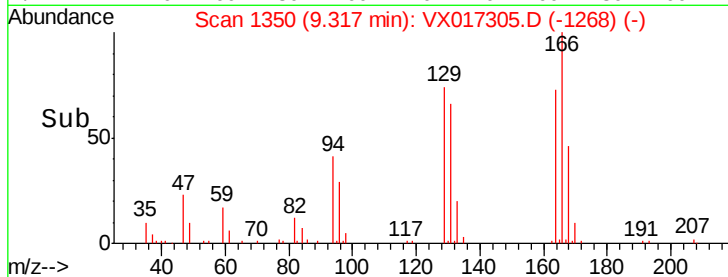
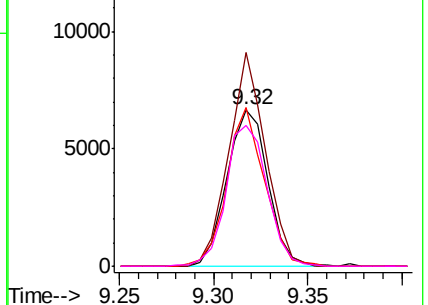


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.478 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017305.D

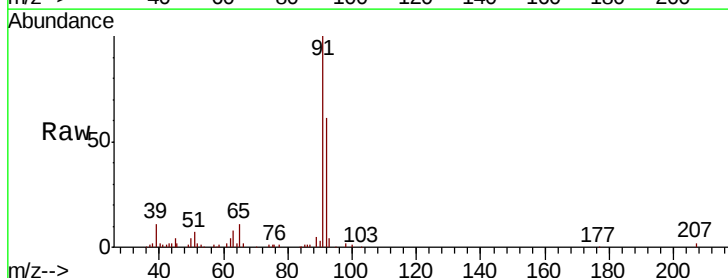
Acq: 09 Jul 2020 14:18

Tgt Ion: 91 Resp: 33583

Ion Ratio Lower Upper

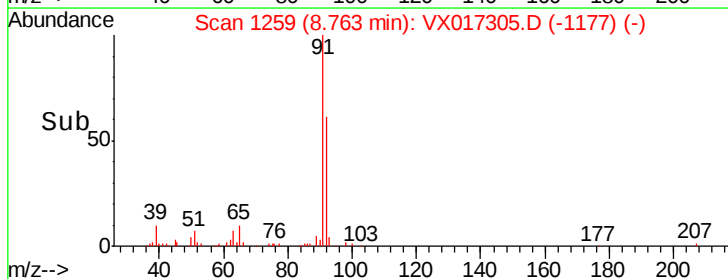
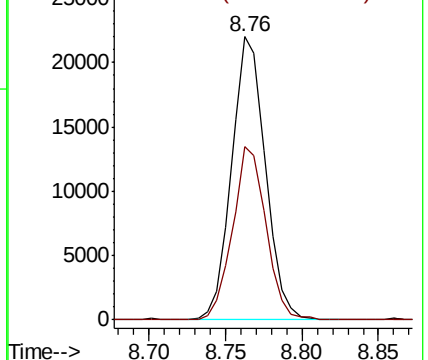
91 100

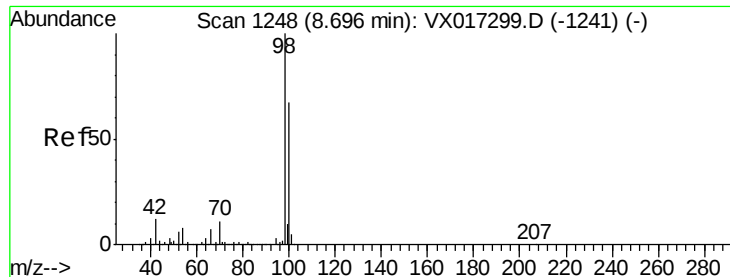
92 60.7 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.882 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

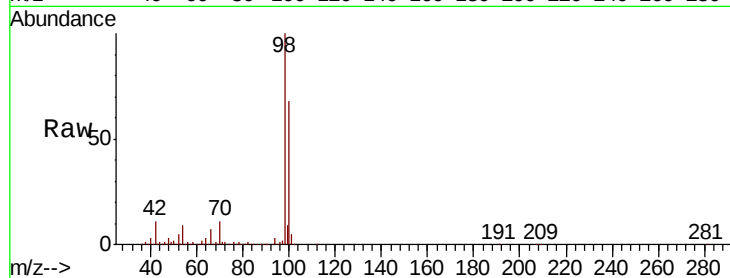
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 98 Resp: 361898

Ion Ratio Lower Upper

98 100

100 67.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

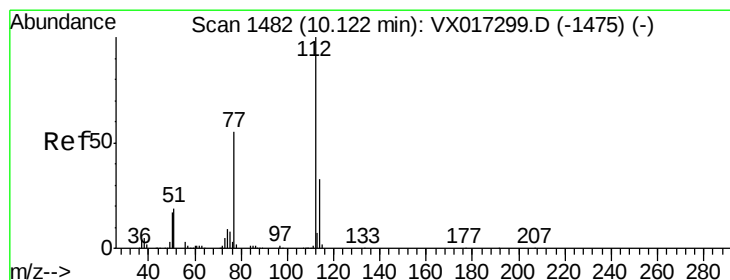
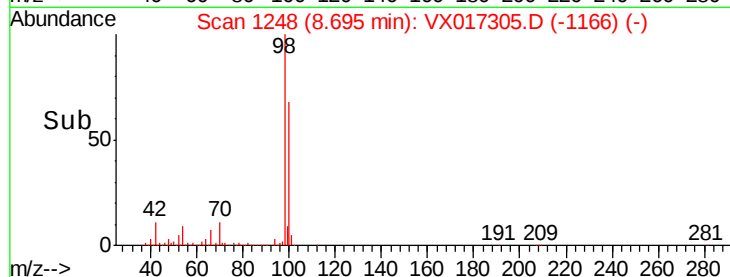
100000

50000

0

8.60 8.65 8.70 8.75

Time-->



#64

Chlorobenzene

Concen: 2.580 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017305.D

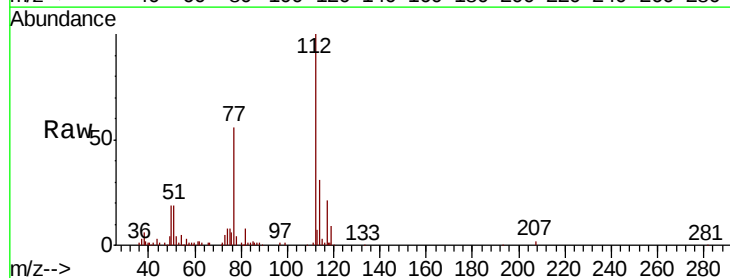
Acq: 09 Jul 2020 14:18

Tgt Ion: 112 Resp: 23329

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

20000

15000

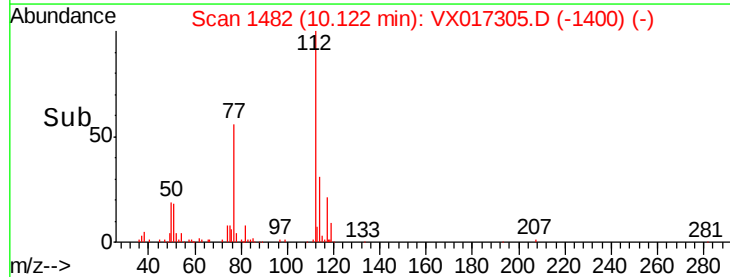
10000

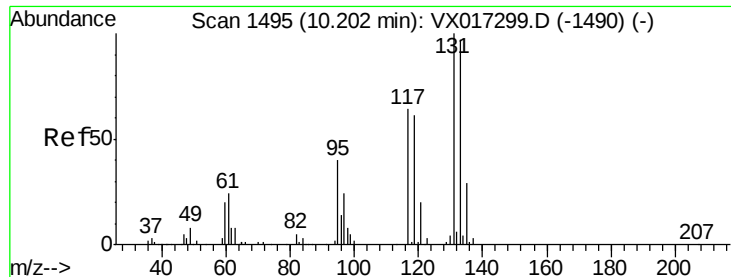
5000

0

10.05 10.10 10.15

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.402 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

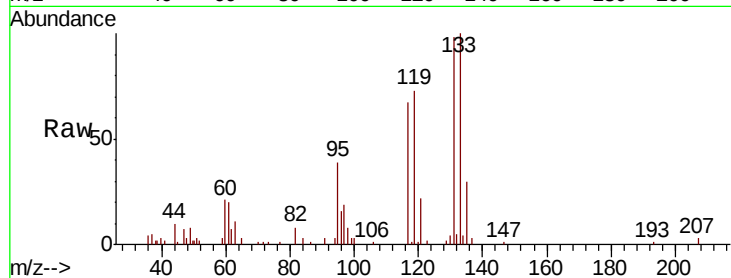
Tot Ion:131 Resp: 8875

Ion Ratio Lower Upper

131 100

133 100.9 0.0 196.8

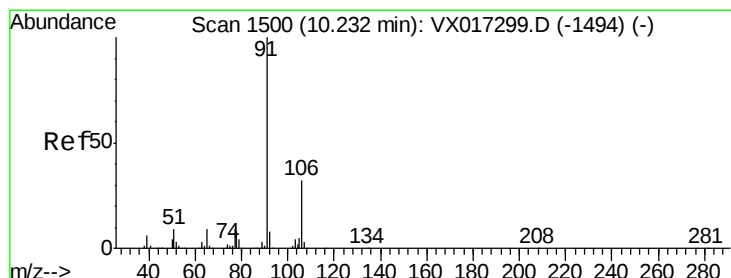
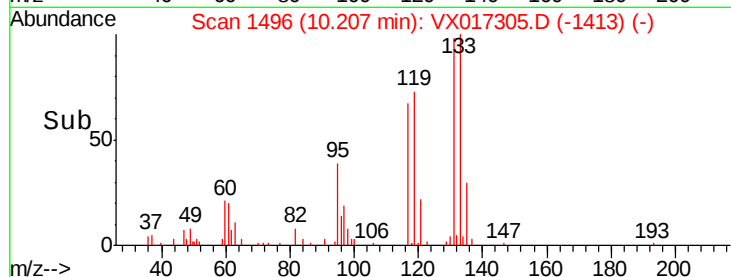
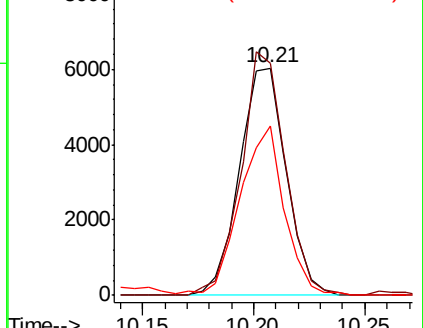
119 69.7 0.0 126.0



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: 2.374 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017305.D

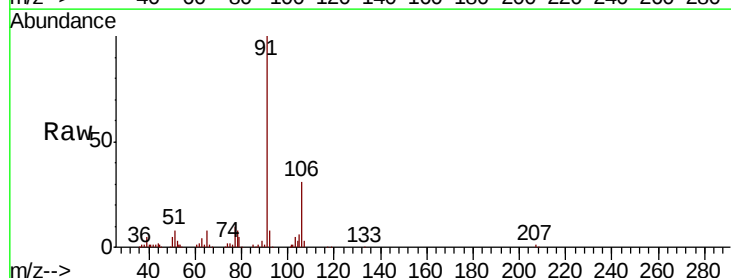
Acq: 09 Jul 2020 14:18

Tgt Ion: 91 Resp: 36207

Ion Ratio Lower Upper

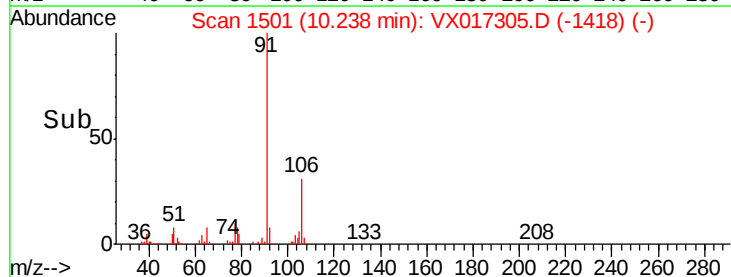
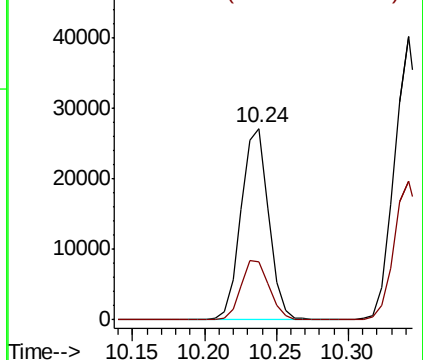
91 100

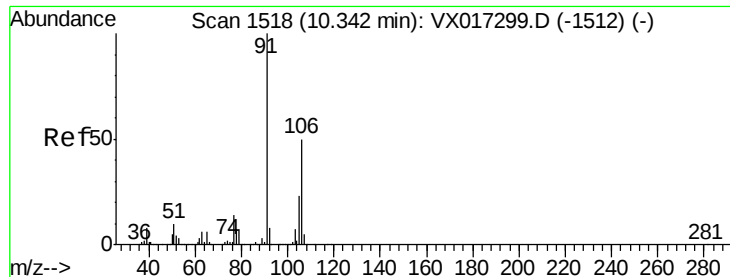
106 30.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

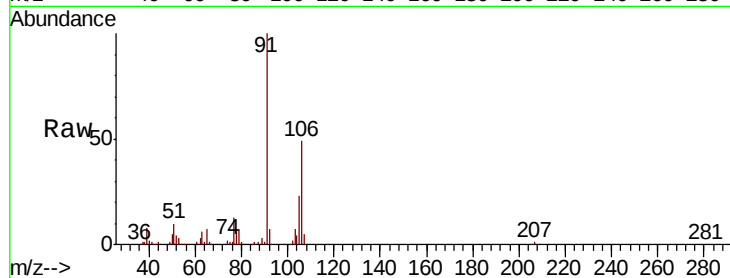




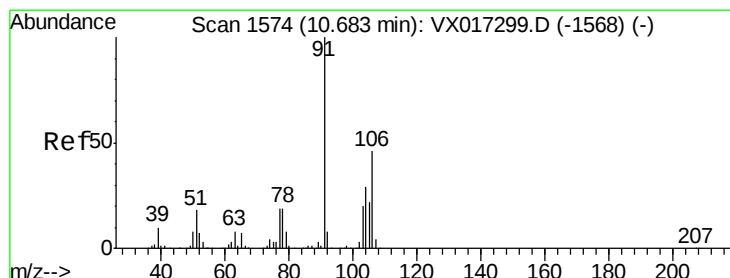
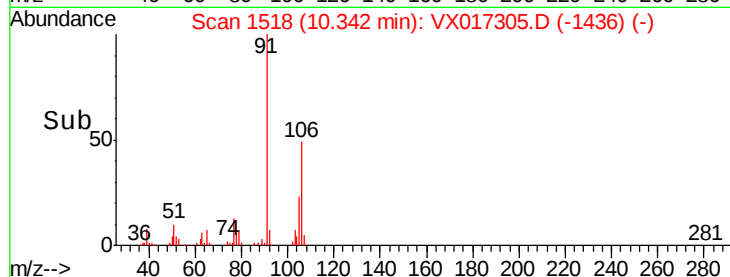
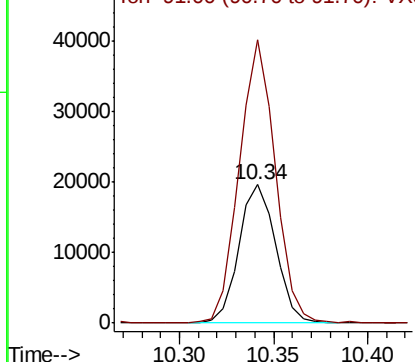
#67
m/p-Xylenes
Concen: 4.517 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 26617
Ion Ratio Lower Upper
106 100
91 200.0 159.7 239.5

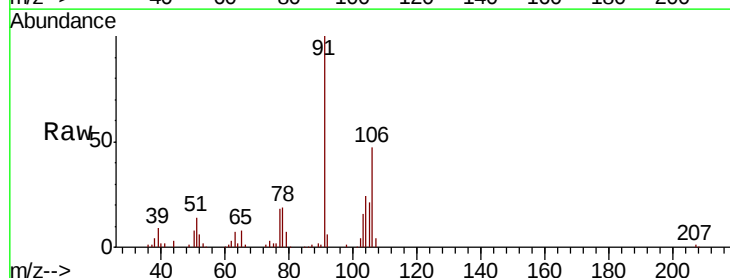


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

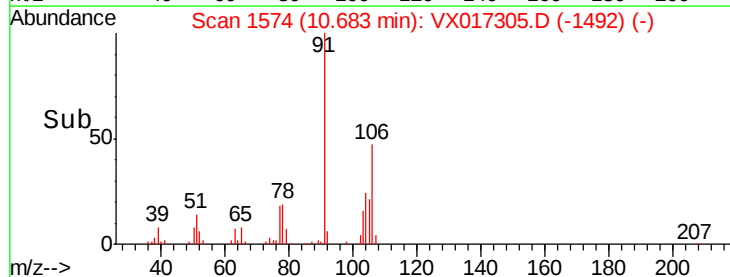
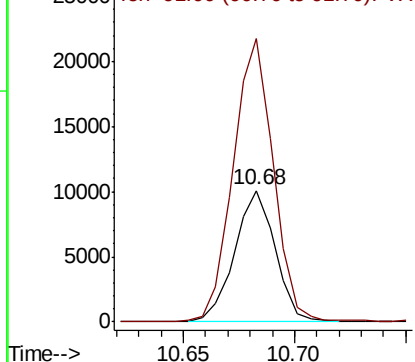


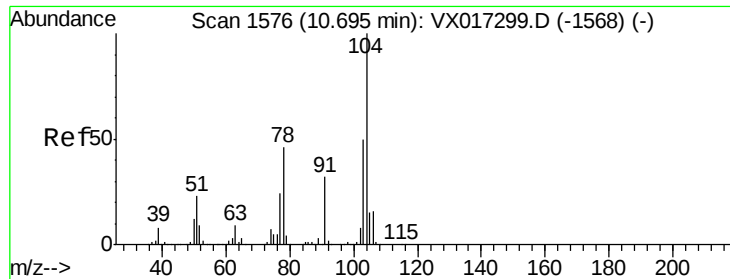
#68
o-Xylene
Concen: 2.294 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:106 Resp: 12846
Ion Ratio Lower Upper
106 100
91 212.5 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

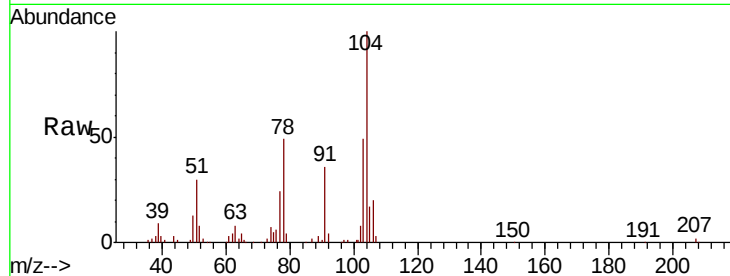




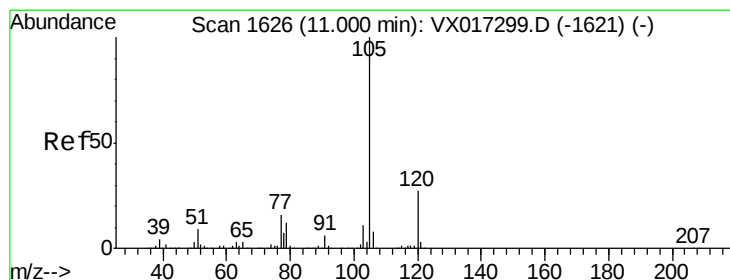
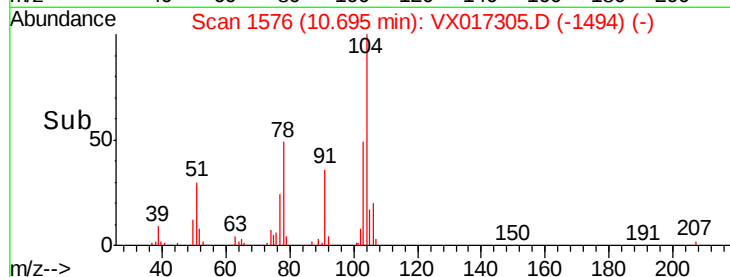
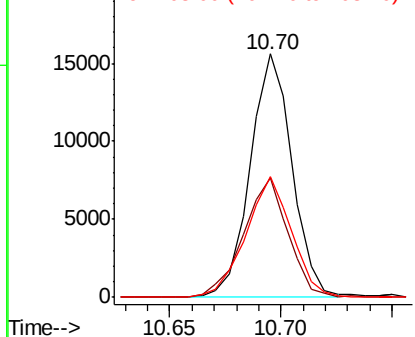
#69
Stvrene
Concen: 2.058 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	40.8	61.2
103	54.0	44.3	66.5

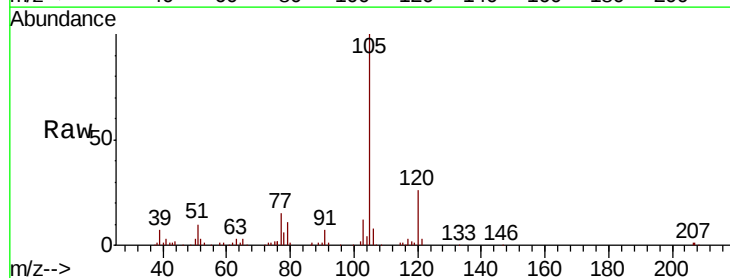


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

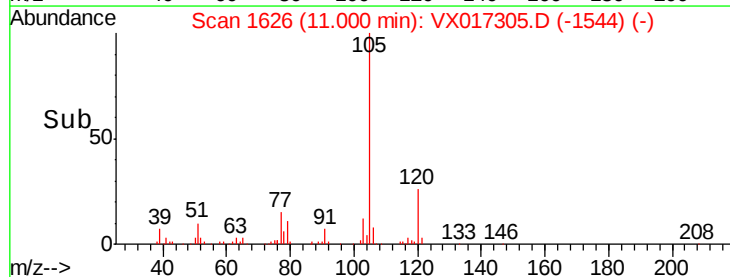
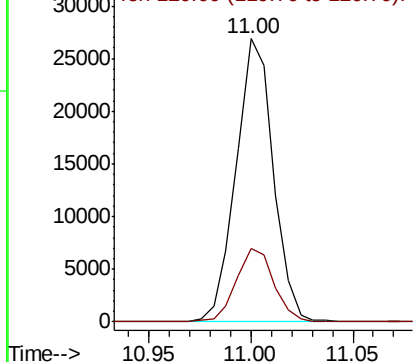


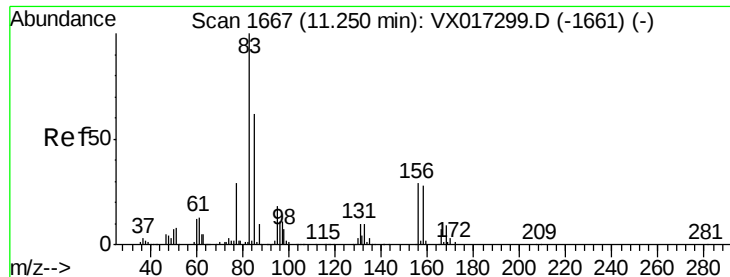
#70
Isopropylbenzene
Concen: 2.214 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	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: 2.483 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

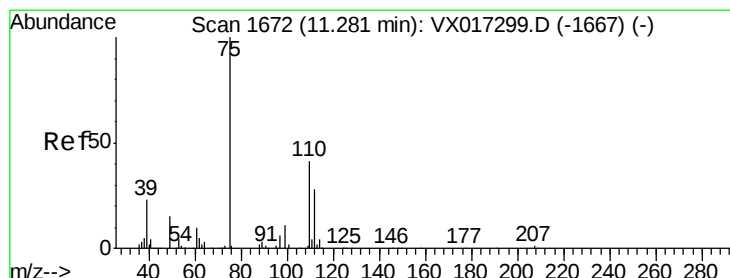
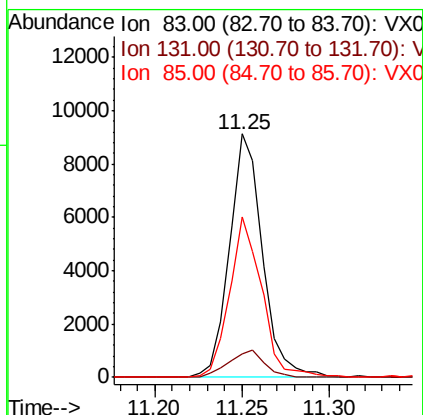
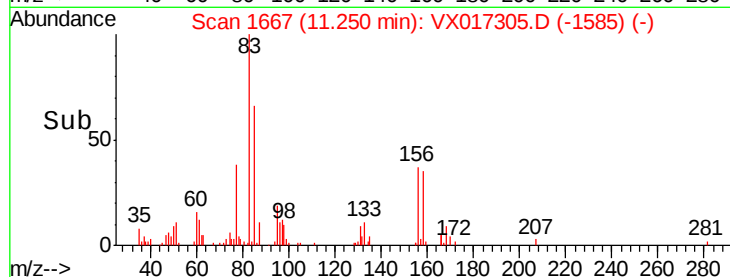
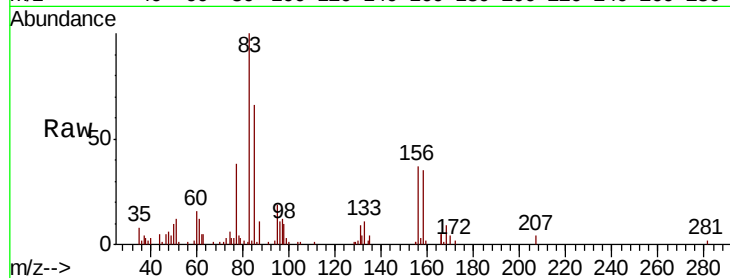
Tot Ion: 83 Resp: 11960

Ion Ratio Lower Upper

83 100

131 11.9 5.5 16.5

85 63.4 31.5 94.5



#72

1,2,3-Trichloropropane

Concen: 3.281 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017305.D

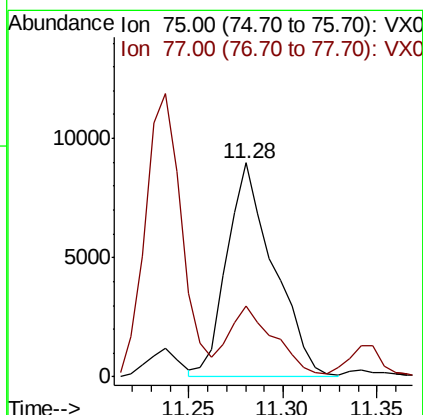
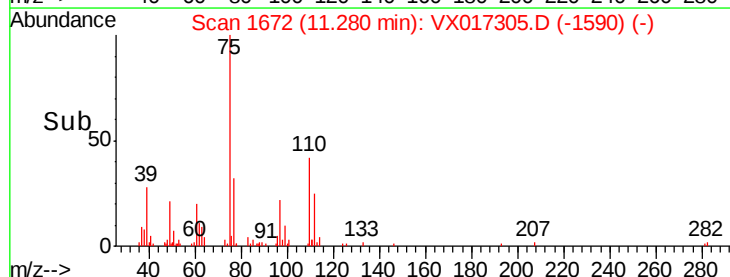
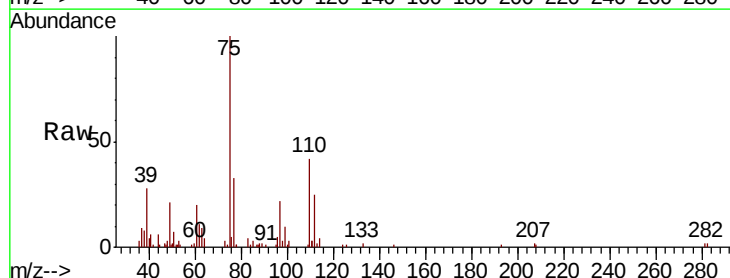
Acq: 09 Jul 2020 14:18

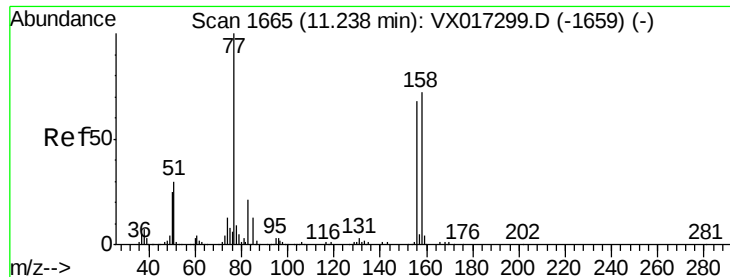
Tgt Ion: 75 Resp: 15527

Ion Ratio Lower Upper

75 100

77 32.4 0.0 72.2





#73

Bromobenzene

Concen: 2.557 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

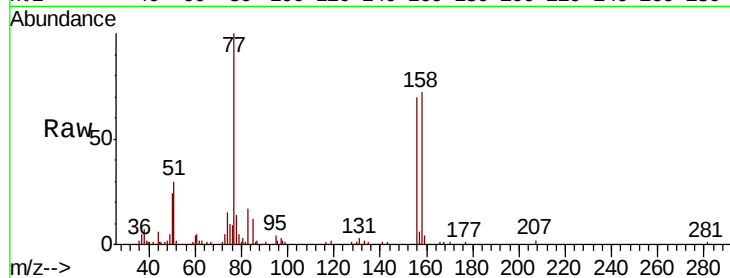
Tot Ion:156 Resp: 11037

Ion Ratio Lower Upper

156 100

77 145.0 0.0 299.2

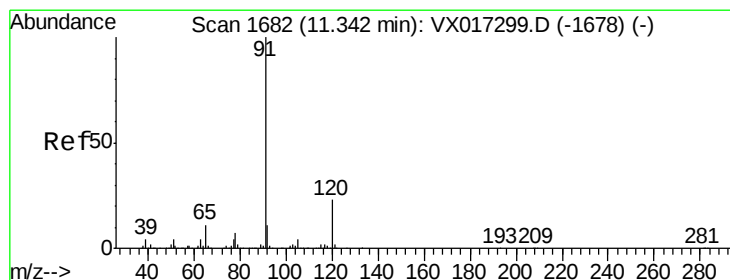
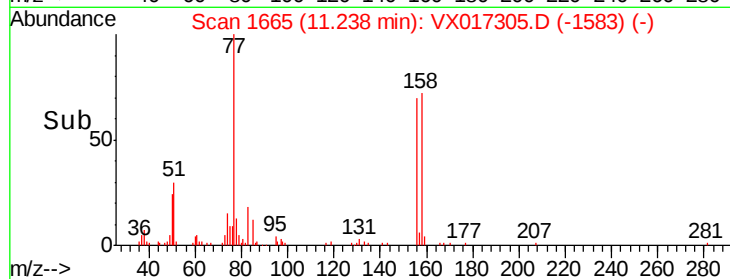
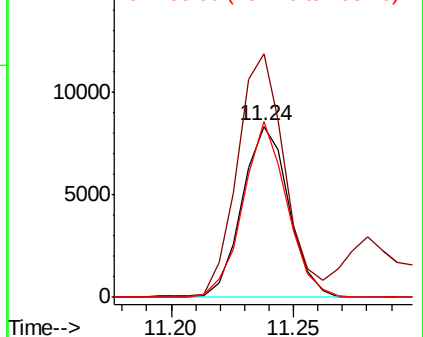
158 97.0 0.0 199.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.176 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017305.D

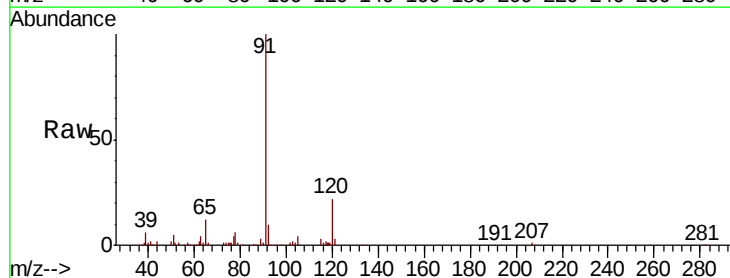
Acq: 09 Jul 2020 14:18

Tgt Ion: 91 Resp: 38713

Ion Ratio Lower Upper

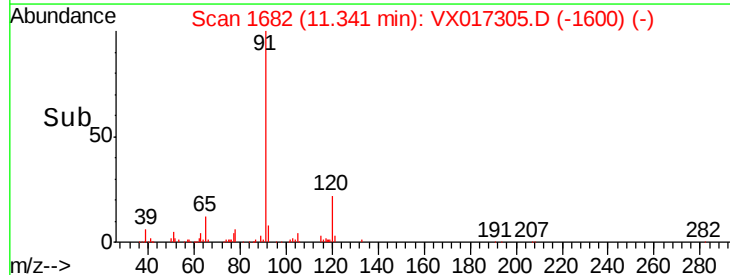
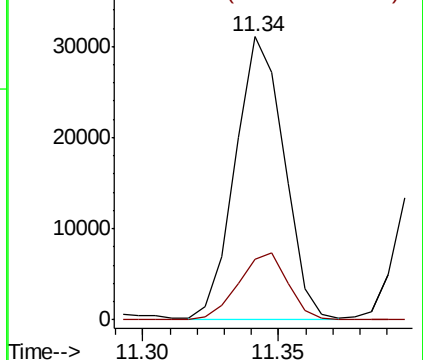
91 100

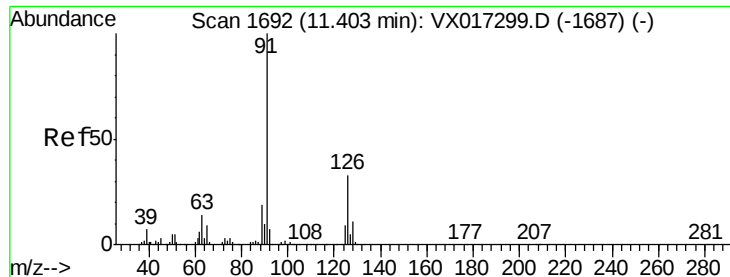
120 23.9 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.355 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

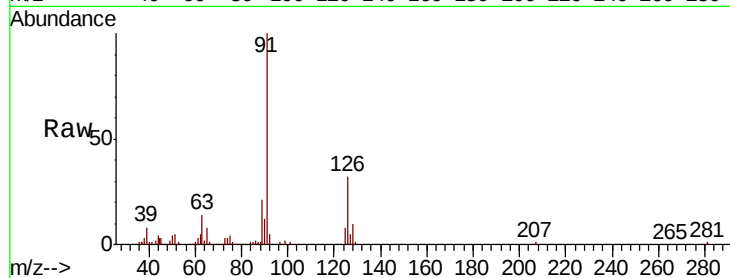
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 25548

Ion Ratio Lower Upper

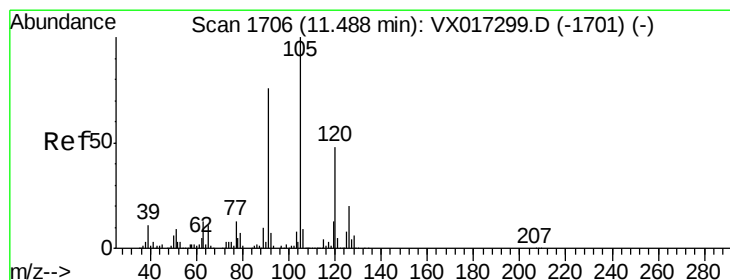
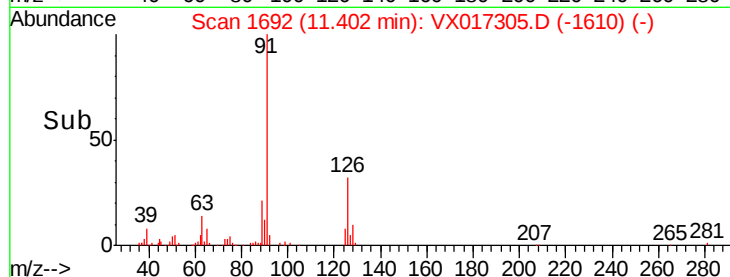
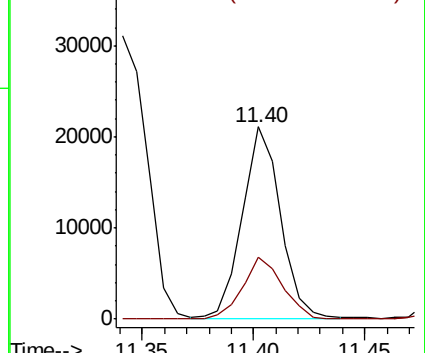
91 100

126 33.4 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VX017299.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX017299.D (-1687) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.192 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX017305.D

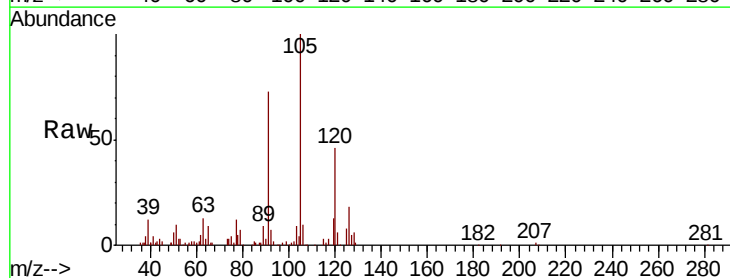
Acq: 09 Jul 2020 14:18

Tgt Ion: 105 Resp: 28880

Ion Ratio Lower Upper

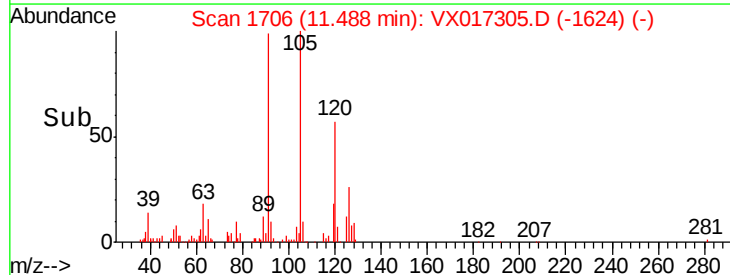
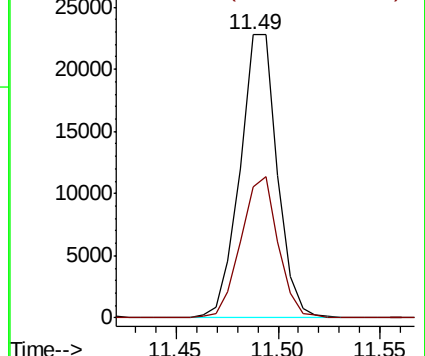
105 100

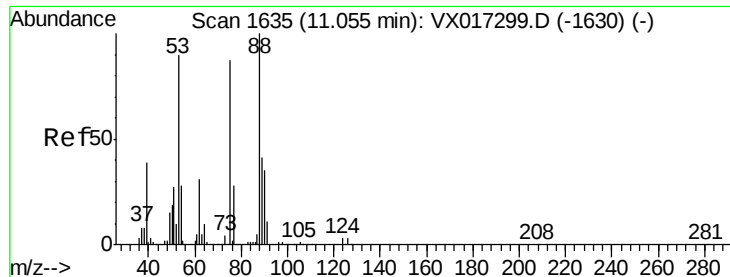
120 49.9 0.0 98.8



Abundance Ion 105.00 (104.70 to 105.70): VX017299.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017299.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 2.078 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

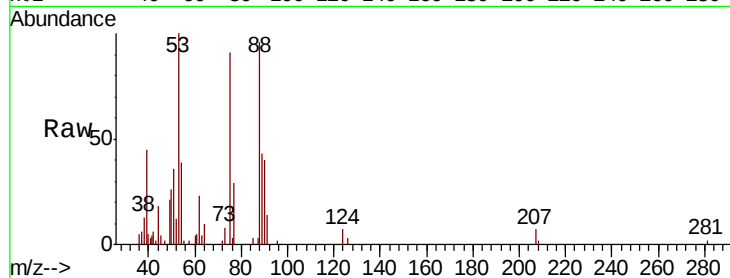
Tot Ion: 75 Resp: 3750

Ion Ratio Lower Upper

75 100

53 110.4 52.1 156.3

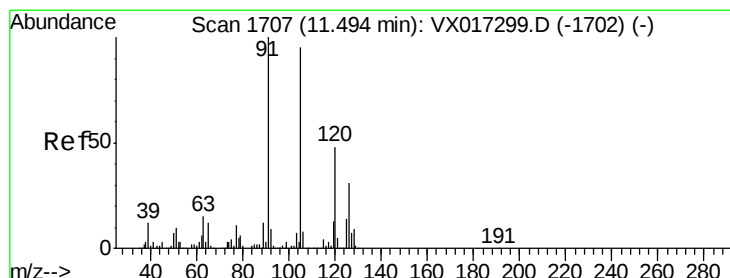
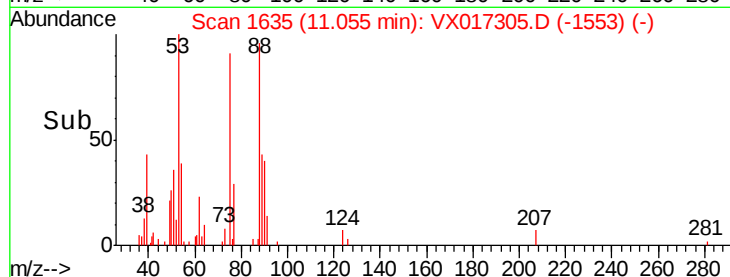
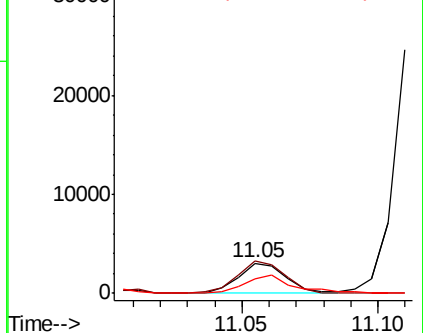
89 47.8 23.7 71.1



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 2.267 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017305.D

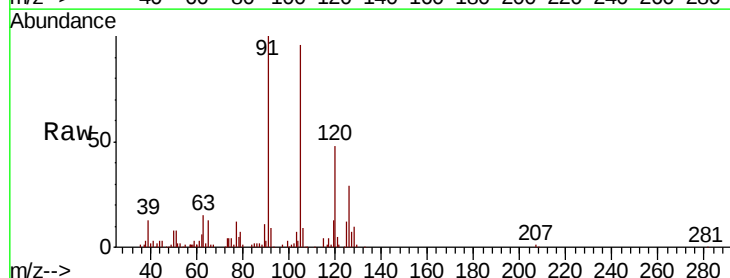
Acq: 09 Jul 2020 14:18

Tgt Ion: 91 Resp: 29152

Ion Ratio Lower Upper

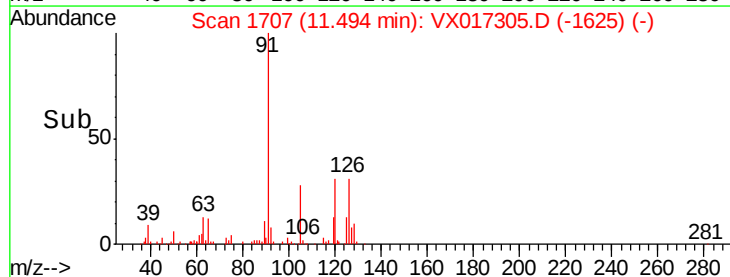
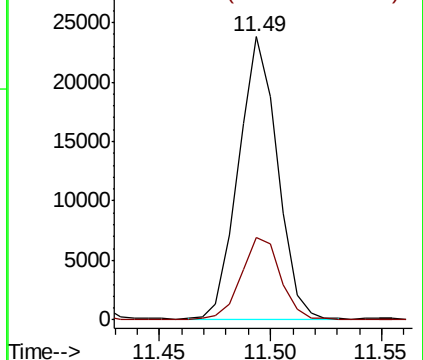
91 100

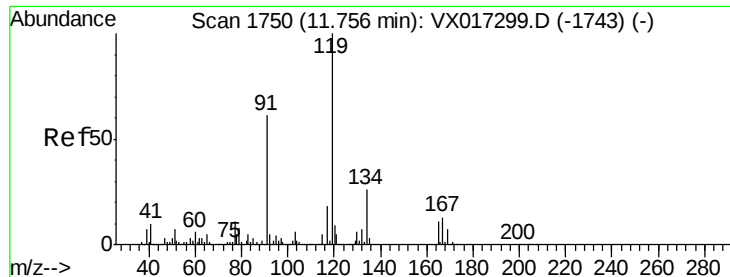
126 29.9 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 2.145 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

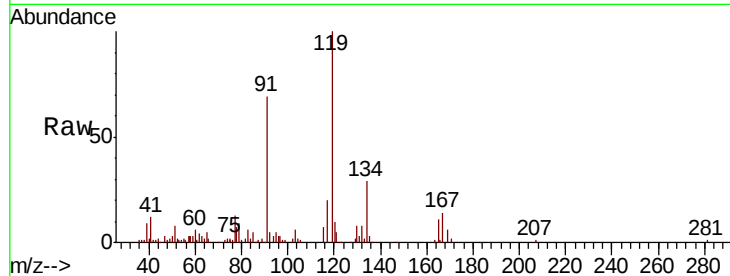
Tot Ion:119 Resp: 27434

Ion Ratio Lower Upper

119 100

91 59.2 0.0 113.6

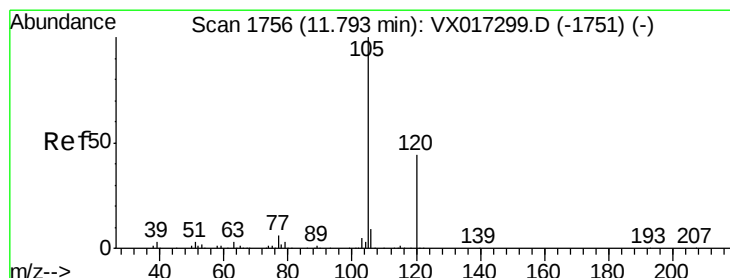
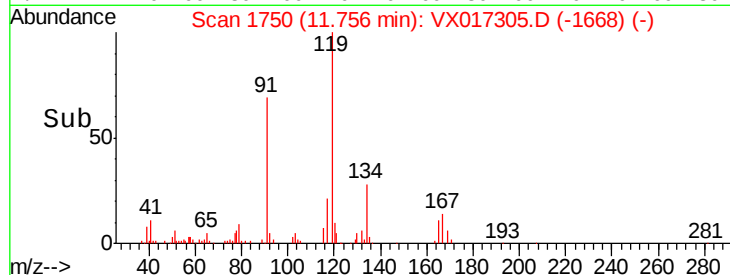
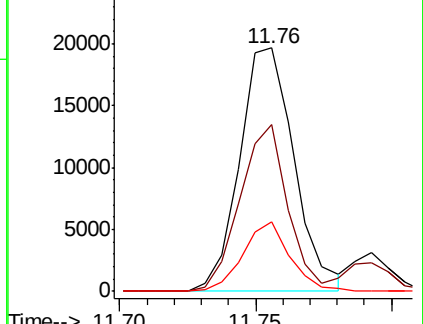
134 24.6 0.0 48.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 2.127 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017305.D

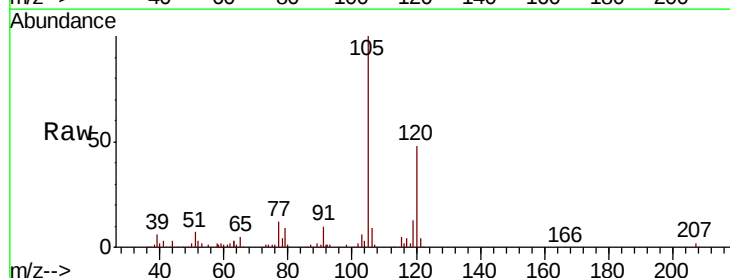
Acq: 09 Jul 2020 14:18

Tgt Ion:105 Resp: 28275

Ion Ratio Lower Upper

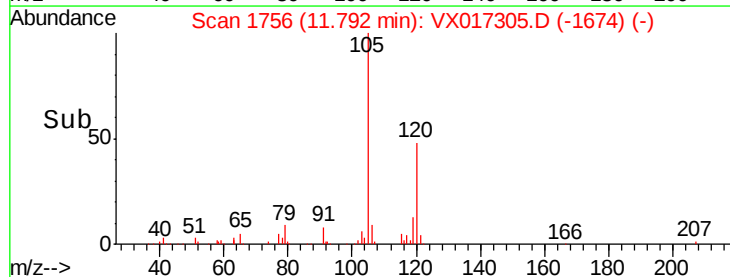
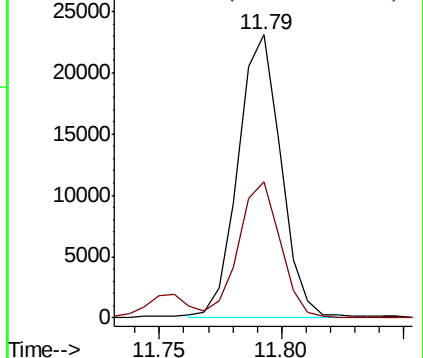
105 100

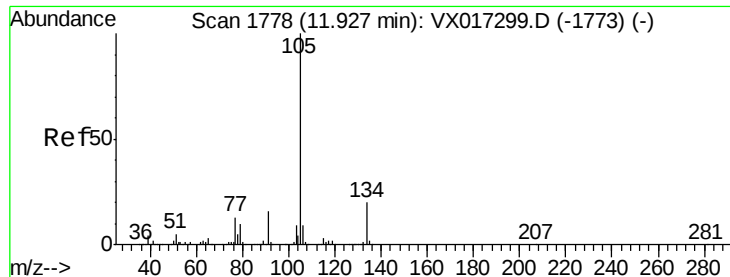
120 46.7 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

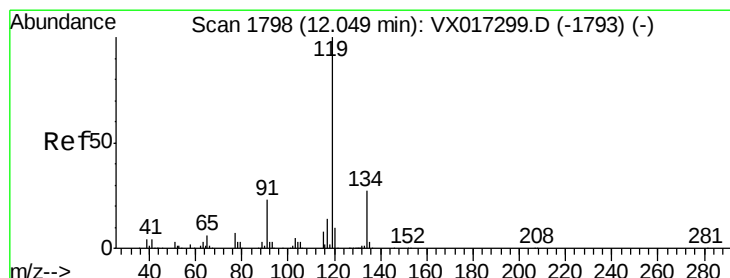
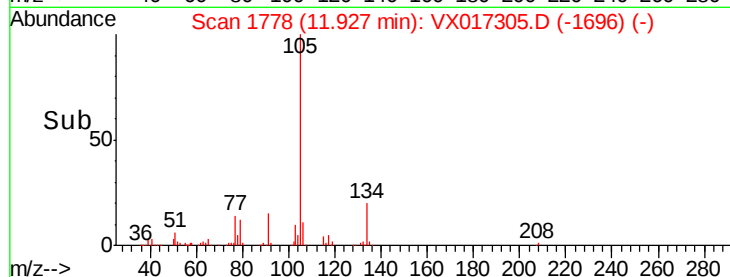
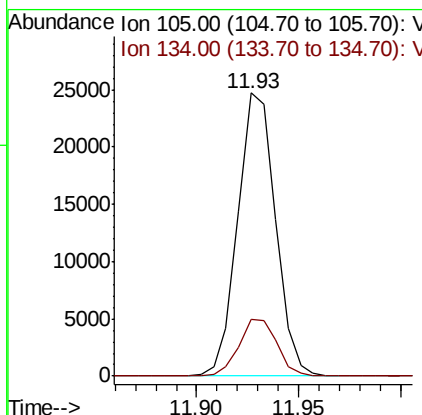
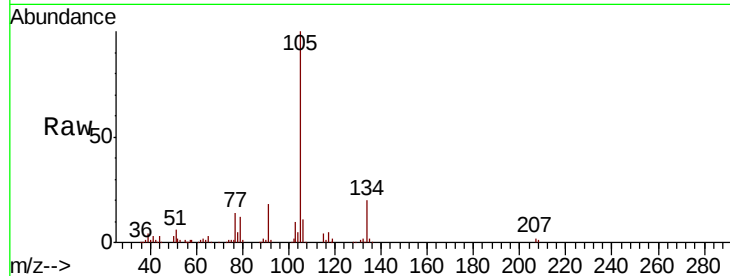




#81
 sec-Butylbenzene
 Concen: 2.161 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

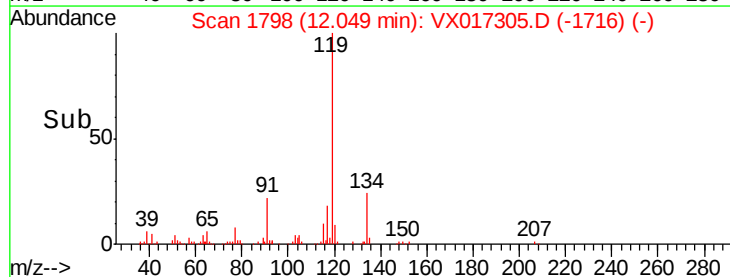
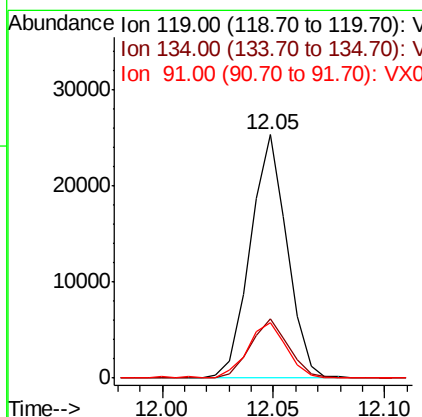
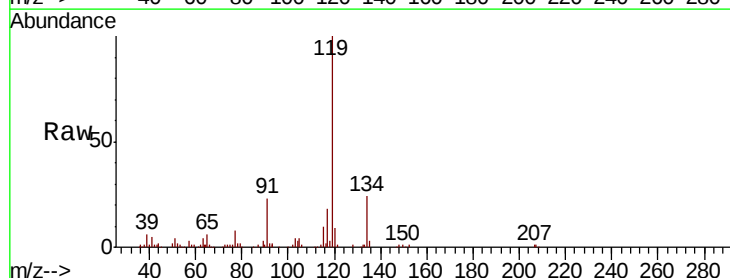
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

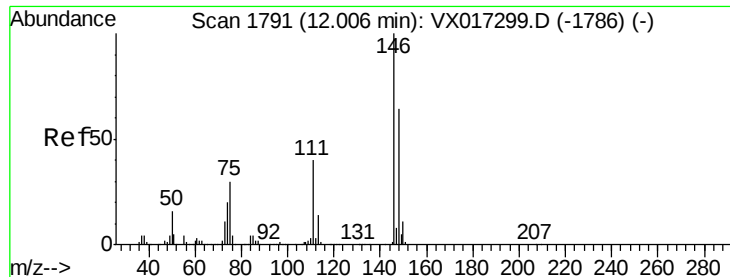
Tot Ion:105 Resp: 31849
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 2.083 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion:119 Resp: 29034
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 53.6
 91 24.3 0.0 48.0

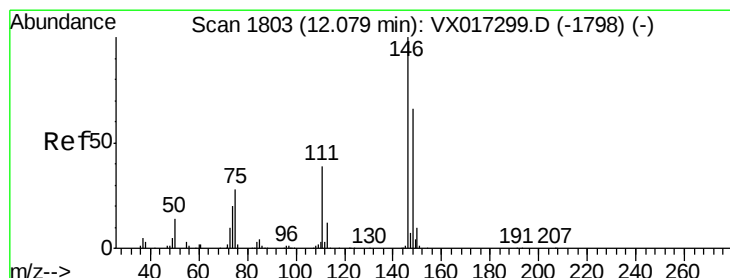
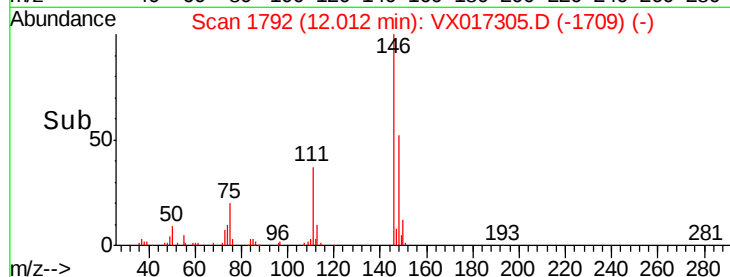
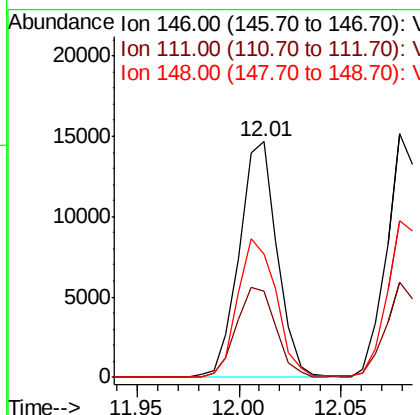
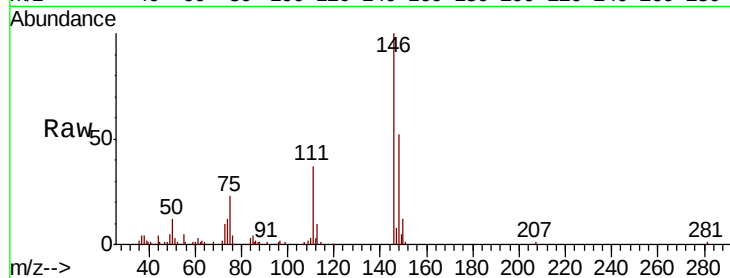




#83
 1,3-Dichlorobenzene
 Concen: 2.433 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

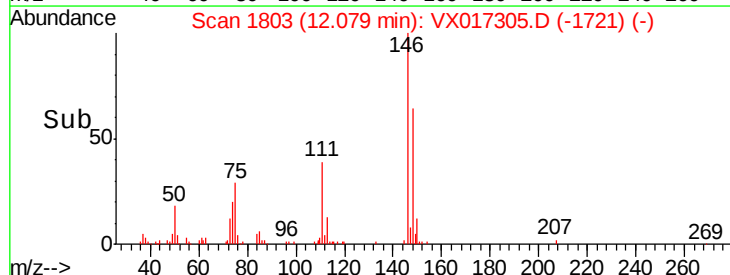
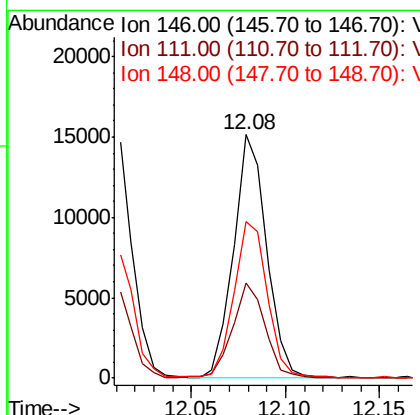
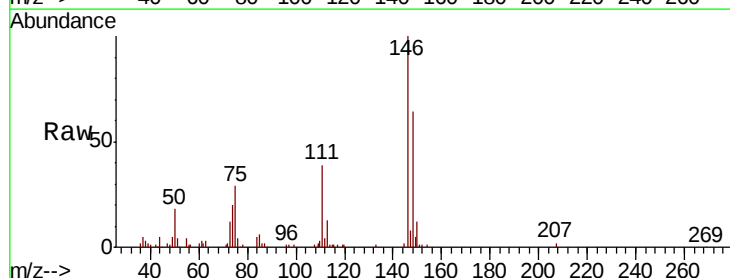
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

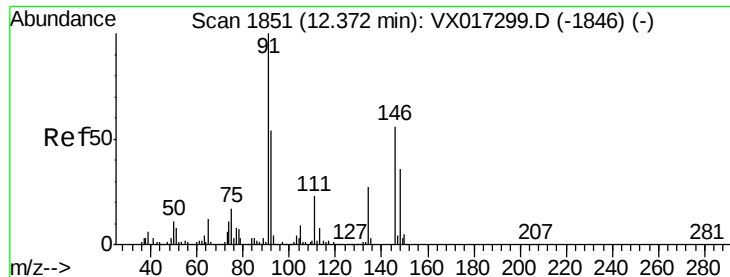
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	59.6	31.8	95.3



#84
 1,4-Dichlorobenzene
 Concen: 2.354 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	64.6	32.6	97.8

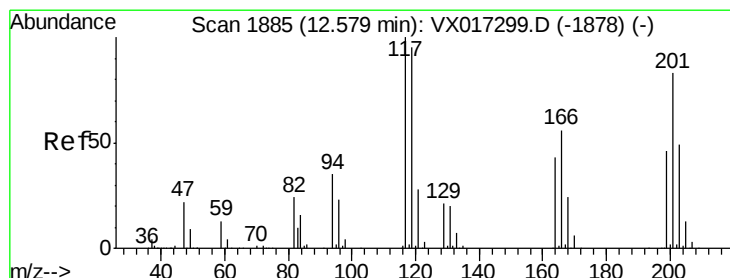
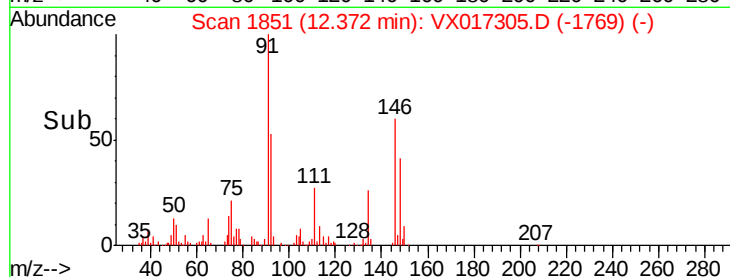
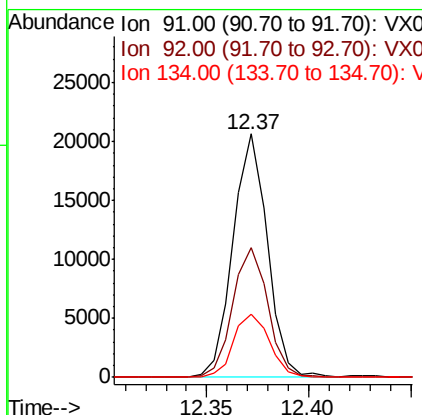
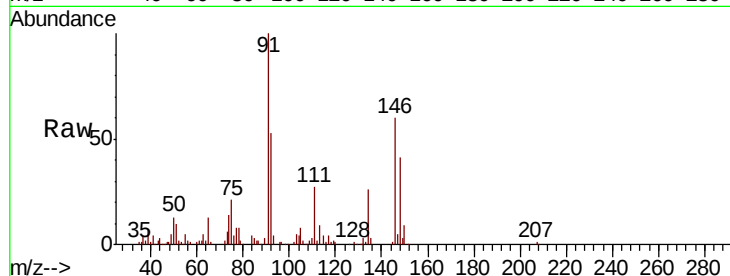




#85
n-Butylbenzene
Concen: 2.054 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

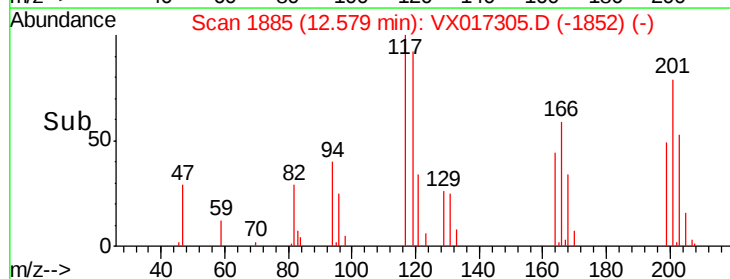
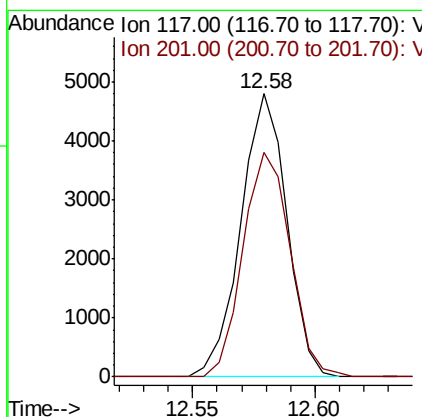
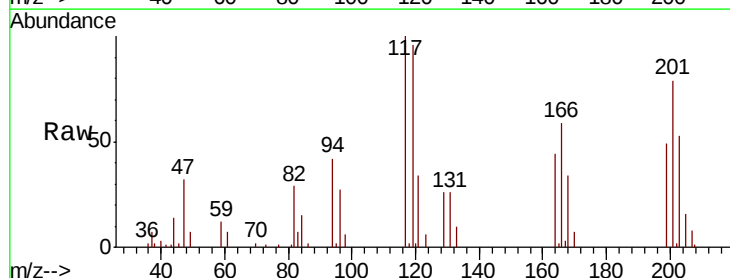
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

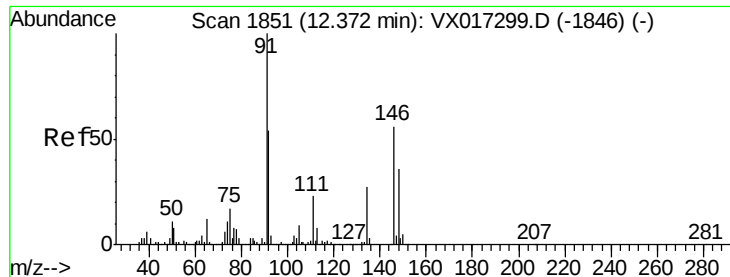
Tot Ion: 91 Resp: 24185
Ion Ratio Lower Upper
91 100
92 54.1 0.0 108.2
134 27.1 0.0 54.2



#86
Hexachloroethane
Concen: 2.327 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 117 Resp: 6273
Ion Ratio Lower Upper
117 100
201 81.3 41.0 123.0





#87

1,2-Dichlorobenzene

Concen: 2.367 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

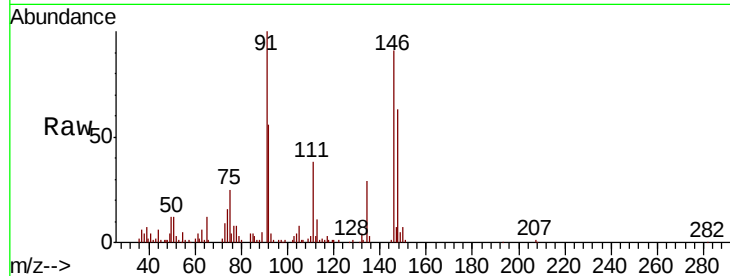
Tot Ion:146 Resp: 17577

Ion Ratio Lower Upper

146 100

111 41.9 20.6 61.9

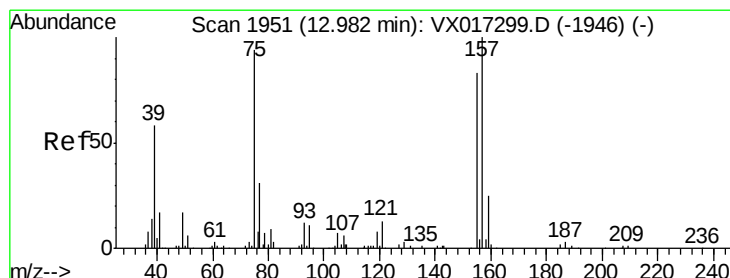
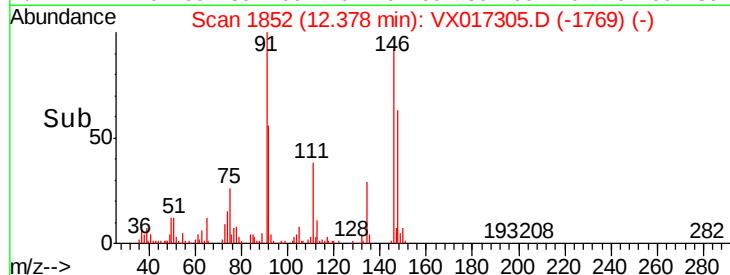
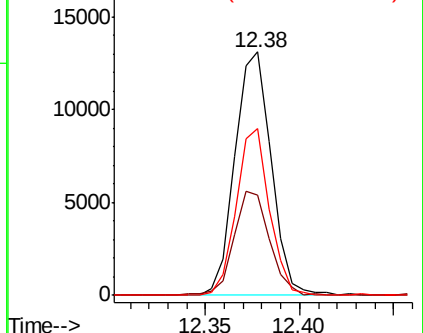
148 62.5 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.525 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

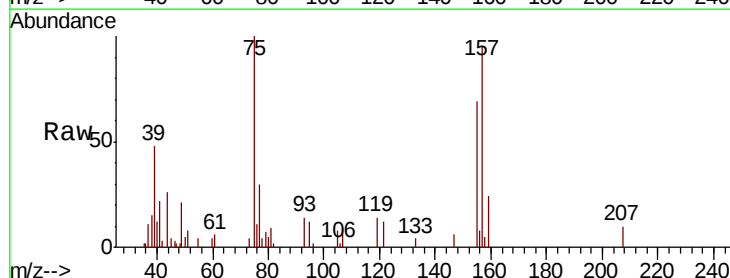
Tgt Ion: 75 Resp: 2947

Ion Ratio Lower Upper

75 100

155 77.5 73.4 110.0

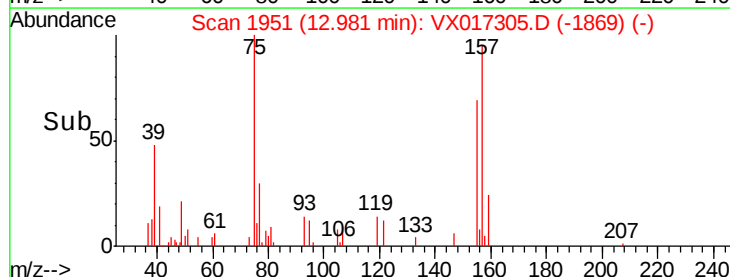
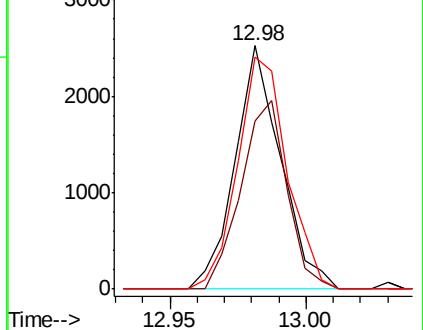
157 103.2 90.5 135.7

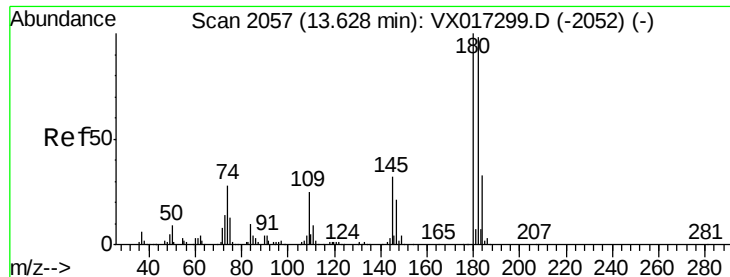


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

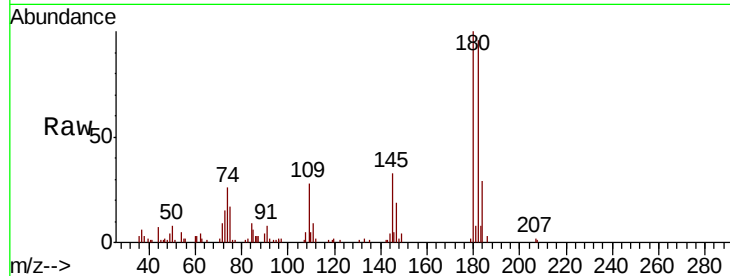




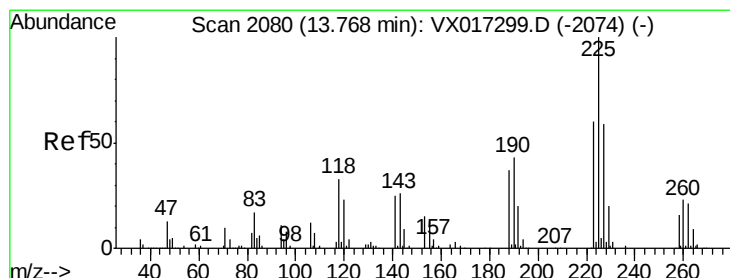
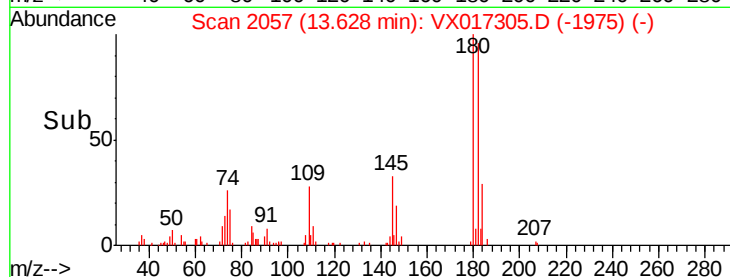
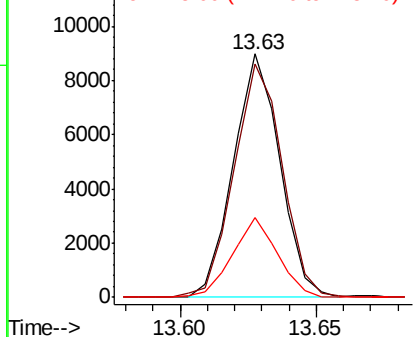
#89
 1,2,4-Trichlorobenzene
 Concen: 2.114 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:180 Resp: 10647
 Ion Ratio Lower Upper
 180 100
 182 98.9 77.8 116.8
 145 31.8 25.0 37.4

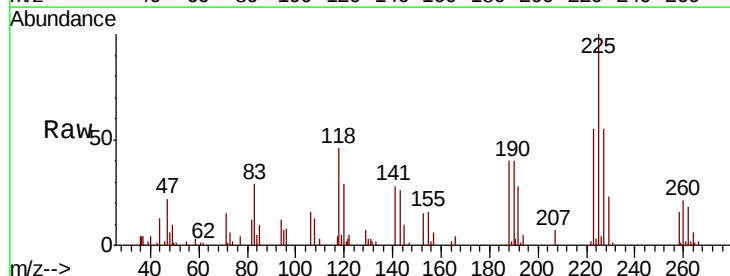


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

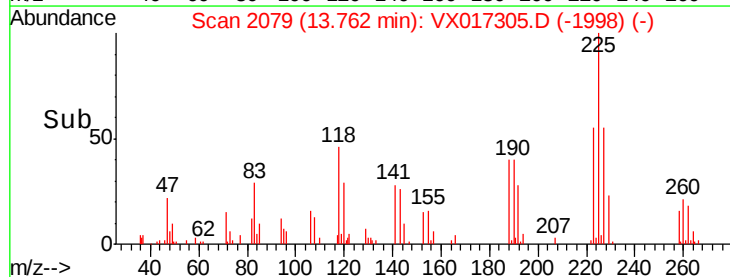
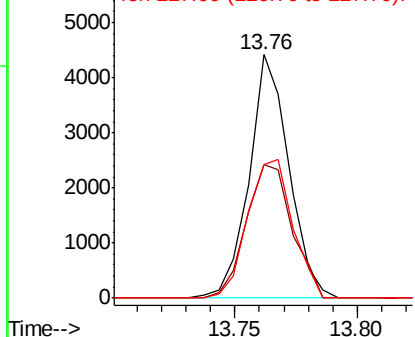


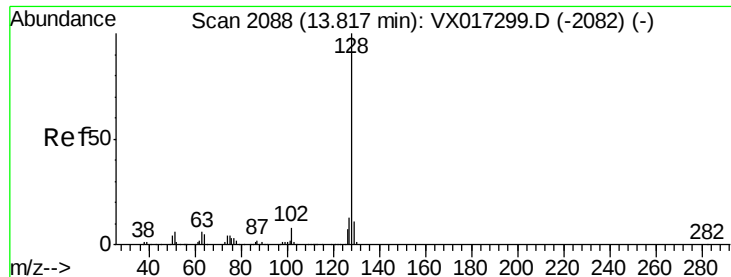
#90
 Hexachlorobutadiene
 Concen: 2.465 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion:225 Resp: 4981
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 129.0
 227 64.7 0.0 124.4



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

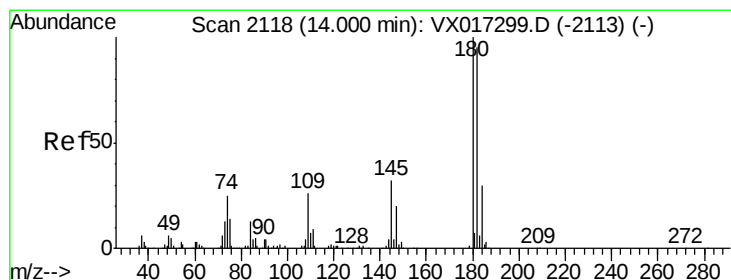
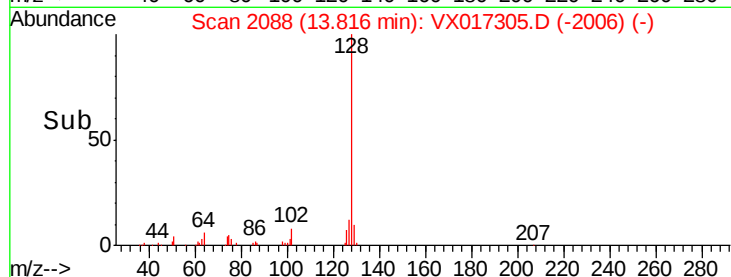
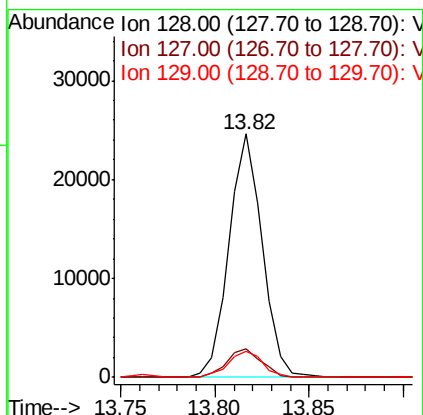
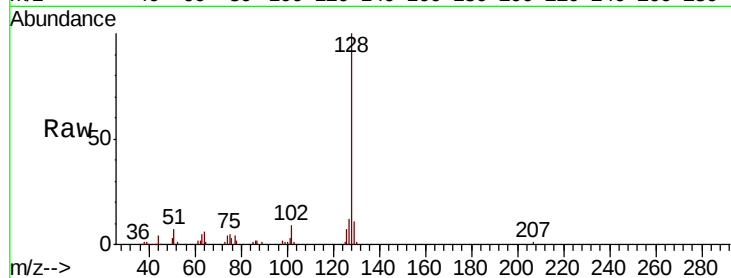




#91
Naphthalene
Concen: 1.950 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:128 Resp: 30117
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 11.3 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 2.232 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:180 Resp: 11184
Ion Ratio Lower Upper
180 100
182 91.1 0.0 185.6
145 32.8 0.0 63.0

