

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009259.D
 Acq On : 01 May 2019 17:14
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Quant Time: May 02 06:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	34913	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	204227	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	177603	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85567	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	11.13	95	88165	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	8.71	98	257830	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4509	2.431 ug/l	96
3) Chloromethane	1.32	50	6408	2.570 ug/l	95
4) Vinyl Chloride	1.40	62	6027	2.423 ug/l	93
5) Bromomethane	1.64	94	4152	2.633 ug/l	100
6) Chloroethane	1.72	64	3890	2.384 ug/l	98
7) Trichlorofluoromethane	1.93	101	7929	2.581 ug/l	96
8) Diethyl Ether	2.18	74	3574	2.506 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5167	2.717 ug/l	99
10) 1,1-Dichloroethene	2.37	96	4898	2.565 ug/l	96
11) Methyl Iodide	2.51	142	3582	1.726 ug/l	93
12) Methyl Acetate	2.77	43	10179	2.830 ug/l	99
13) Acrolein	2.29	56	7577	15.359 ug/l	96
14) Acrylonitrile	3.14	53	19344	12.392 ug/l	98
15) Acetone	2.44	58	5621	12.542 ug/l	97
16) Carbon Disulfide	2.57	76	12204	2.362 ug/l	97
17) Allyl chloride	2.73	41	11267	2.458 ug/l	98
18) Methylene Chloride	2.85	84	6045	2.619 ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	5289	2.598 ug/l	92
20) Diisopropyl ether	3.85	45	23769	2.633 ug/l	92
21) 1,1-Dichloroethane	3.69	63	11199	2.563 ug/l	100
22) cis-1,2-Dichloroethene	4.59	96	6419	2.617 ug/l	99
23) tert-Butyl Alcohol	3.04	59	7966	12.069 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	19328	2.586 ug/l	100
25) Chloroform	5.21	83	10555	2.647 ug/l	93
26) Cyclohexane	5.58	56	10556	2.592 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	7759	2.589 ug/l	84
30) 2-Butanone	4.67	43	28822	12.281 ug/l	98
31) 2,2-Dichloropropane	4.59	77	8685	2.629 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	4408	1.357 ug/l	# 31
33) Carbon Tetrachloride	5.78	117	6728	2.475 ug/l	97
34) Benzene	6.14	78	23536	2.548 ug/l	96
35) Methacrylonitrile	5.04	41	5761	2.346 ug/l	92
36) 1,2-Dichloroethane	6.18	62	8442	2.518 ug/l	# 89
37) Trichloroethene	7.21	130	5895	2.651 ug/l	80
38) Methylcyclohexane	7.46	83	9732	2.629 ug/l	98
39) 1,2-Dichloropropane	7.51	63	6993	2.658 ug/l	97
40) Dibromomethane	7.66	93	3974	2.661 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	7286	2.389	ug/l	93
42) Vinyl Acetate	3.81	43	92310	11.918	ug/l	100
43) Ethyl Acetate	4.83	43	9529	2.247	ug/l	96
44) Isopropyl Acetate	6.44	43	16754	2.439	ug/l	97
45) 1,4-Dioxane	7.74	88	3542	52.514	ug/l #	91
46) Methyl methacrylate	7.77	41	7696	2.244	ug/l	94
47) n-amyl Acetate	10.90	43	14140	2.285	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	7971	2.240	ug/l	91
49) cis-1,3-Dichloropropene	8.43	75	9253	2.368	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	5708	2.495	ug/l	94
51) Ethyl methacrylate	9.18	69	9582	2.267	ug/l	97
52) 1,3-Dichloropropane	9.37	76	10455	2.575	ug/l	97
53) Dibromochloromethane	9.58	129	5409	2.374	ug/l	94
54) 1,2-Dibromoethane	9.67	107	5766	2.457	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	27265	12.103	ug/l	99
56) Bromoform	10.85	173	3811	2.179	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	54865	12.563	ug/l	99
59) 2-Hexanone	9.49	43	42329	12.358	ug/l	99
61) Tetrachloroethene	9.34	164	5402	2.759	ug/l	97
62) Toluene	8.78	91	24486	2.580	ug/l	98
64) Chlorobenzene	10.13	112	14598	2.556	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.22	131	5260	2.515	ug/l	97
66) Ethyl Benzene	10.25	91	27380	2.590	ug/l	97
67) m/p-Xylenes	10.35	106	19930	5.163	ug/l	99
68) o-Xylene	10.69	106	9861	2.598	ug/l	100
69) Styrene	10.71	104	16090	2.415	ug/l	97
70) Isopropylbenzene	11.02	105	27221	2.667	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	9515	2.545	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	10733	3.332	ug/l	88
73) Bromobenzene	11.26	156	6444	2.555	ug/l	99
74) n-propylbenzene	11.36	91	29854	2.524	ug/l	100
75) 2-Chlorotoluene	11.42	91	18767	2.645	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	21940	2.537	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	2713	2.088	ug/l	98
78) 4-Chlorotoluene	11.51	91	20566	2.552	ug/l	100
79) tert-butylbenzene	11.77	119	21442	2.565	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	21645	2.498	ug/l	99
81) sec-Butylbenzene	11.94	105	25419	2.560	ug/l	99
82) p-Isopropyltoluene	12.06	119	22356	2.475	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	11780	2.615	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	11192	2.494	ug/l	99
85) n-Butylbenzene	12.38	91	19501	2.359	ug/l	98
86) Hexachloroethane	12.59	117	3382	2.200	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	11440	2.523	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	2005	2.308	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	7647	2.366	ug/l	99
90) Hexachlorobutadiene	13.78	225	4038	2.502	ug/l	96
91) Naphthalene	13.83	128	24115	2.279	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	8095	2.464	ug/l	96

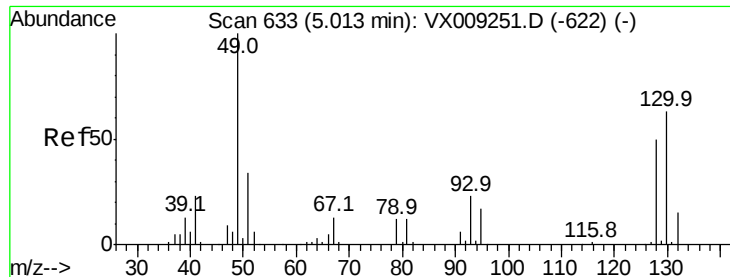
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

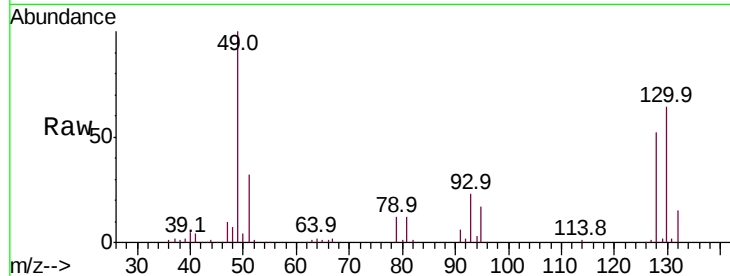
Tot Ion:128 Resp: 34913

Ion Ratio Lower Upper

128 100

49 201.6 0.0 515.0

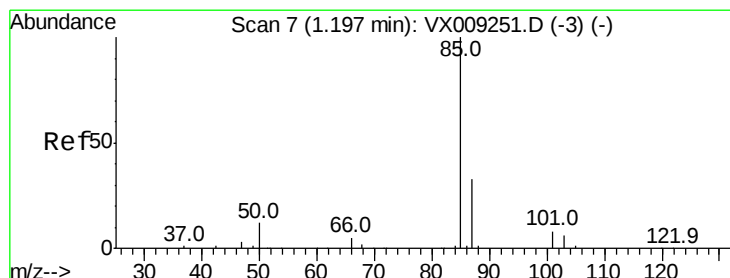
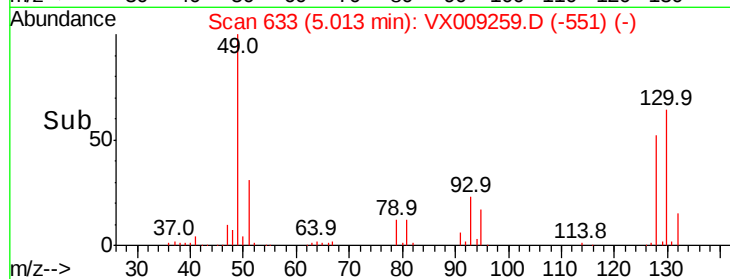
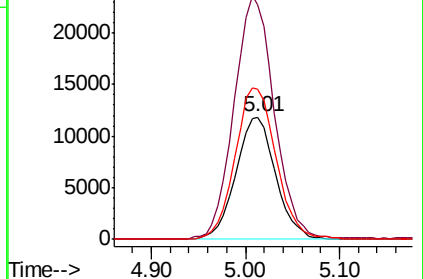
130 127.1 0.0 323.3



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: 2.431 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009259.D

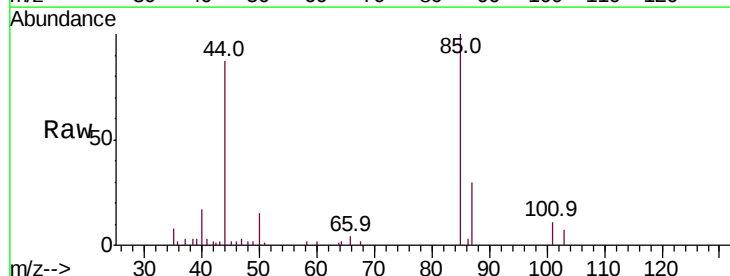
Acq: 01 May 2019 17:14

Tgt Ion: 85 Resp: 4509

Ion Ratio Lower Upper

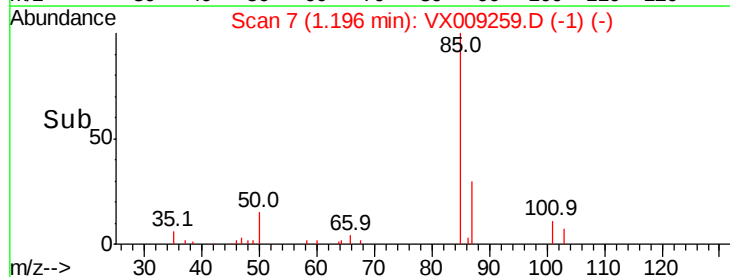
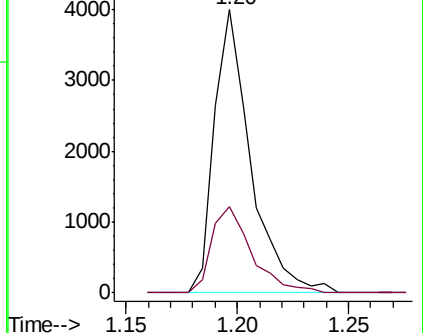
85 100

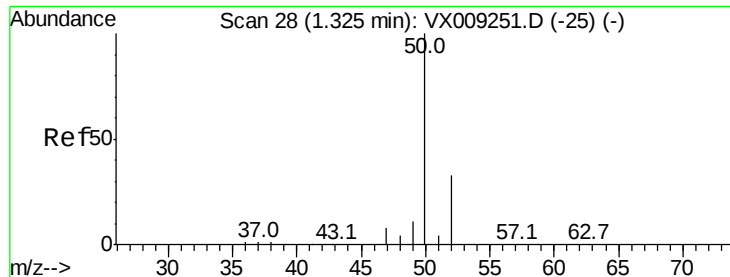
87 30.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.570 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

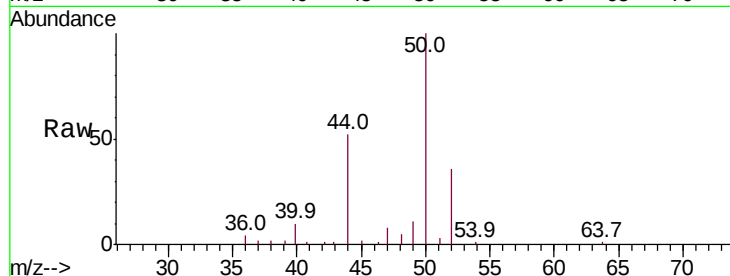
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 6408

Ion Ratio Lower Upper

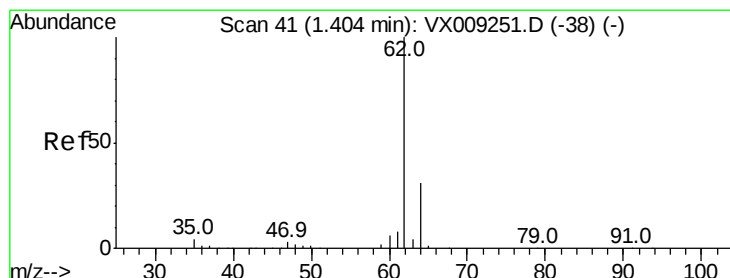
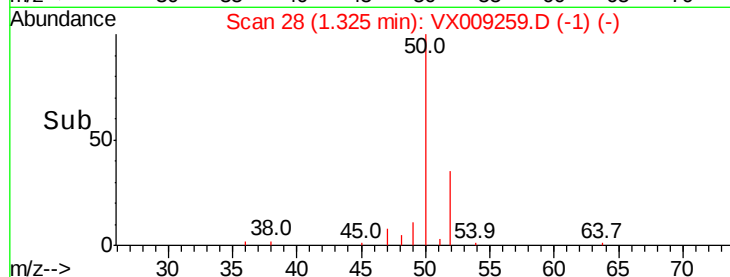
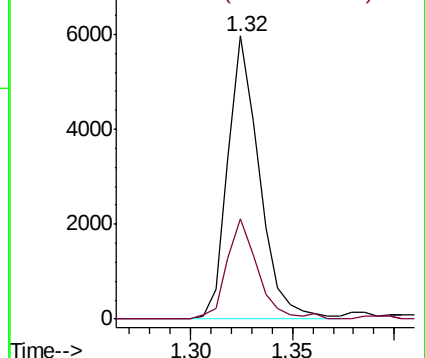
50 100

52 35.6 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 2.423 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009259.D

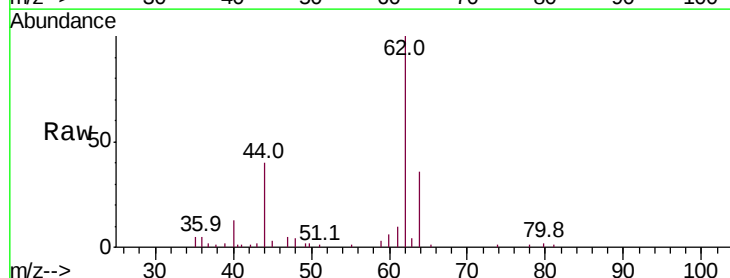
Acq: 01 May 2019 17:14

Tgt Ion: 62 Resp: 6027

Ion Ratio Lower Upper

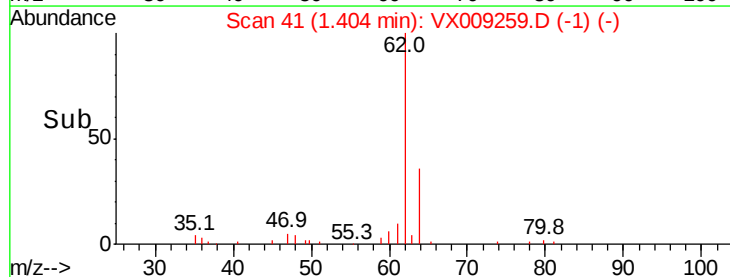
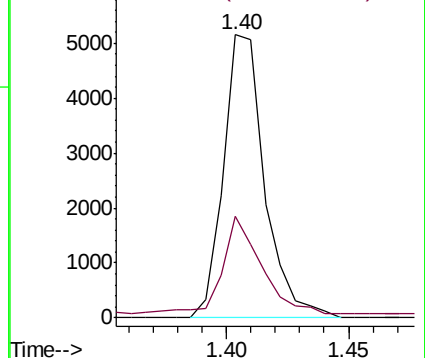
62 100

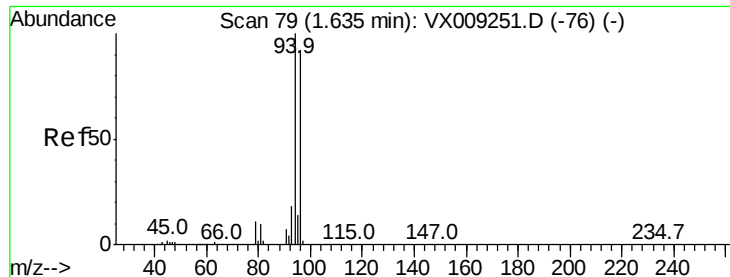
64 34.6 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 2.633 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

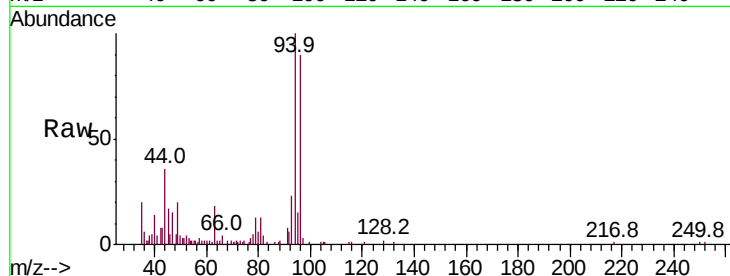
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 4152

Ion Ratio Lower Upper

94 100

96 91.5 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

5000

4000

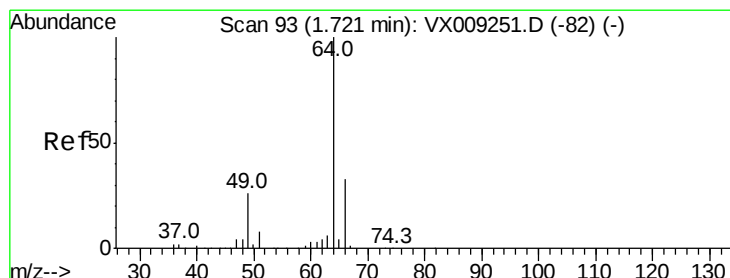
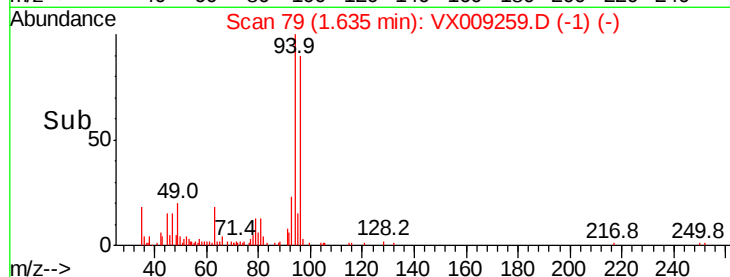
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 2.384 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009259.D

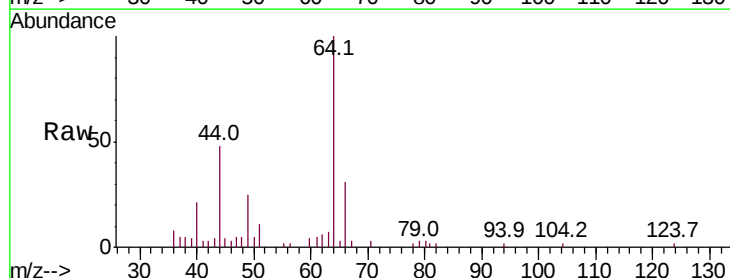
Acq: 01 May 2019 17:14

Tgt Ion: 64 Resp: 3890

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

3000

2500

2000

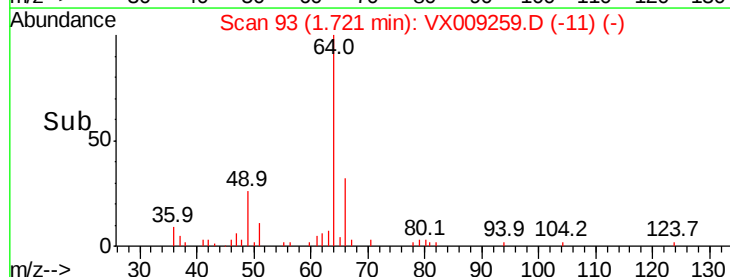
1500

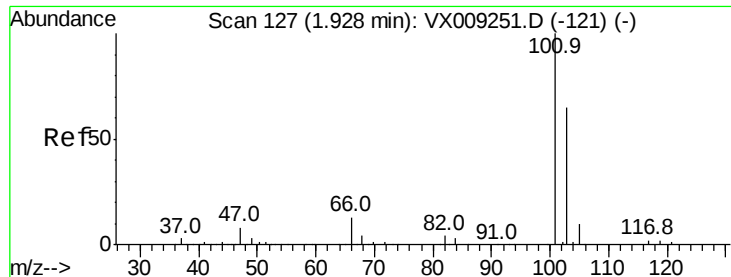
1000

500

0

Time-->



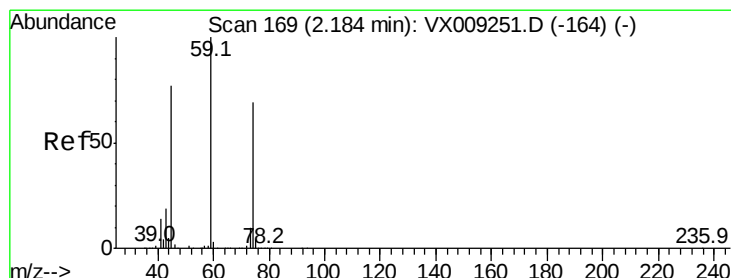
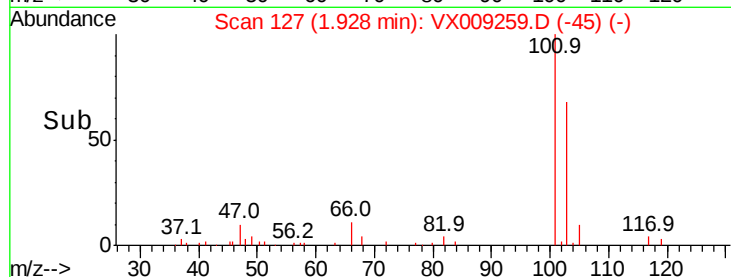
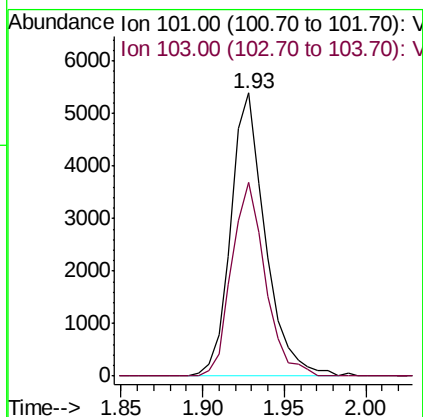
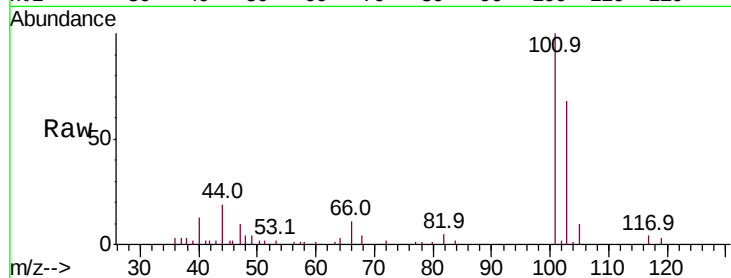


#7

Trichlorofluoromethane
 Concen: 2.581 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

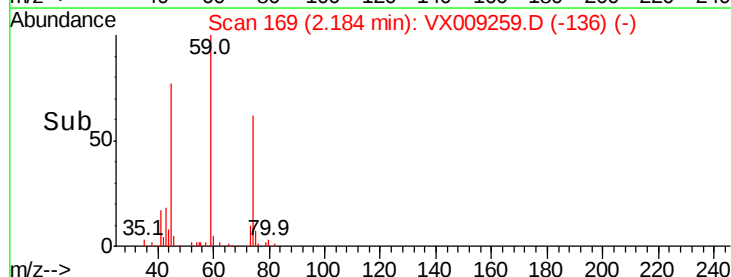
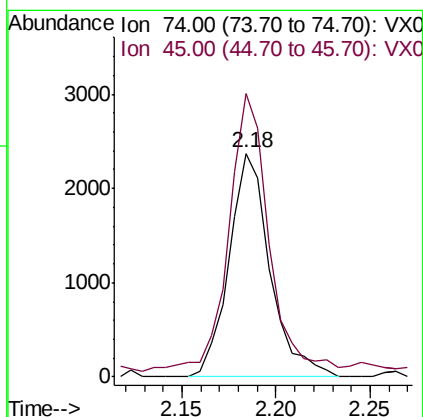
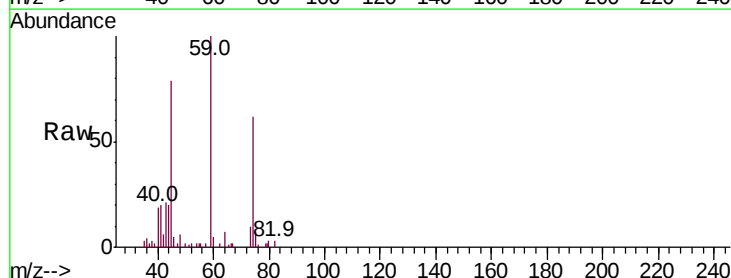
Tot Ion:101 Resp: 7929
 Ion Ratio Lower Upper
 101 100
 103 68.2 51.9 77.9

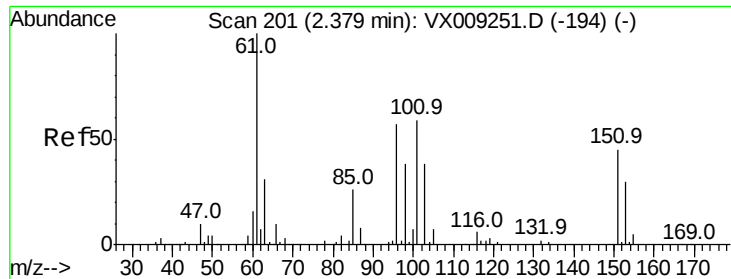


#8

Diethyl Ether
 Concen: 2.506 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 74 Resp: 3574
 Ion Ratio Lower Upper
 74 100
 45 114.3 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.717 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

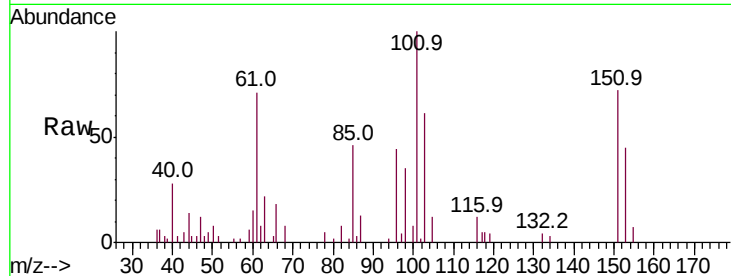
Tot Ion:101 Resp: 5167

Ion Ratio Lower Upper

101 100

85 45.2 0.0 87.4

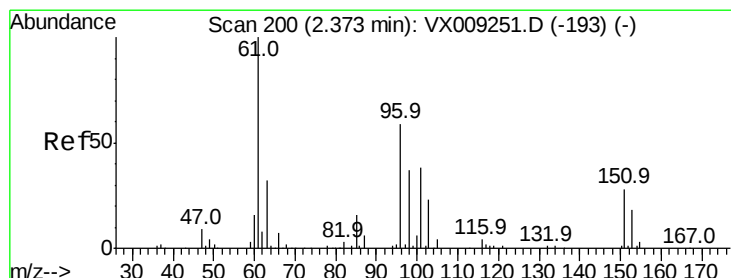
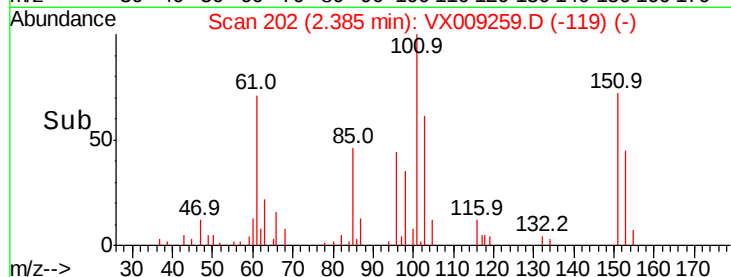
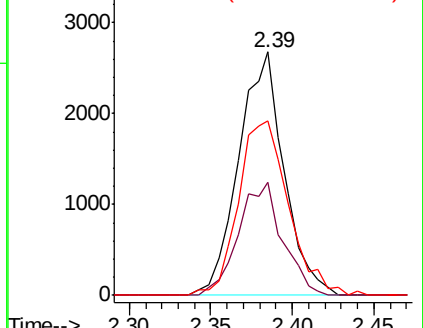
151 79.0 0.0 157.0



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: 2.565 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

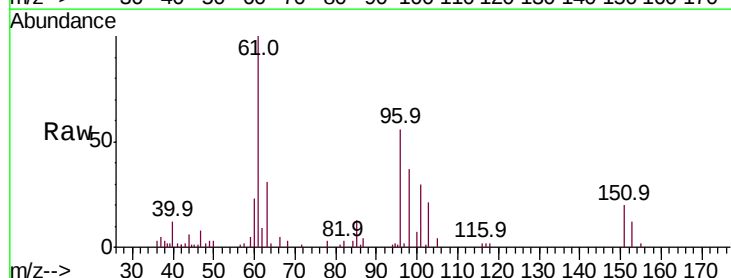
Tgt Ion: 96 Resp: 4898

Ion Ratio Lower Upper

96 100

61 176.3 136.5 204.7

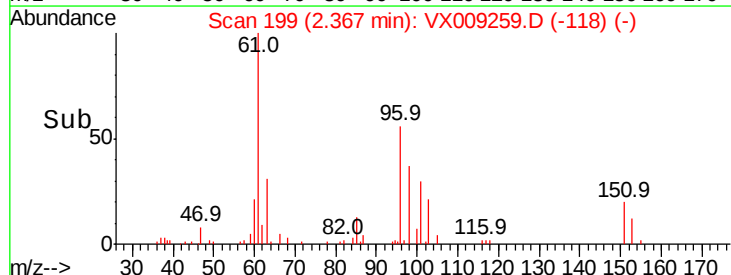
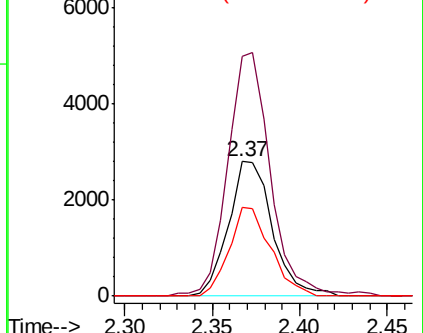
98 65.6 51.0 76.4

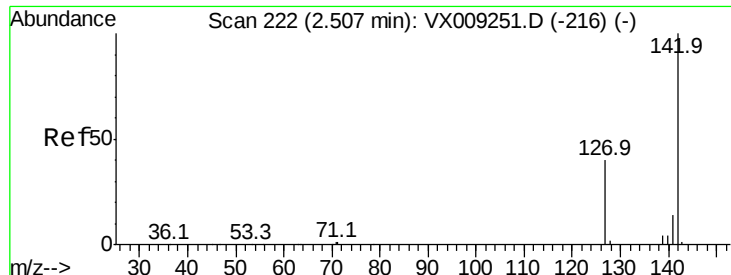


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

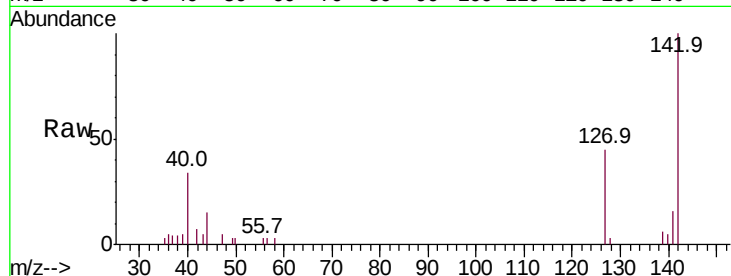




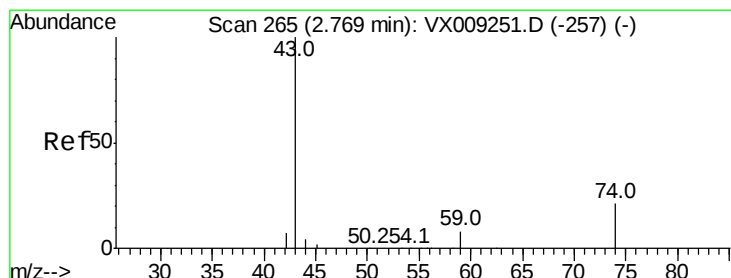
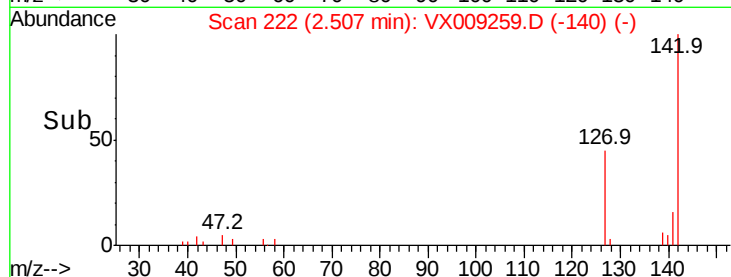
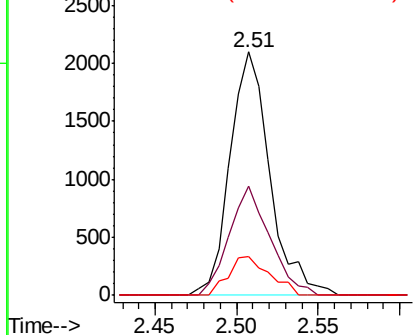
#11
Methvl Iodide
Concen: 1.726 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:142 Resp: 3582
Ion Ratio Lower Upper
142 100
127 45.0 20.2 60.5
141 16.0 6.9 20.7

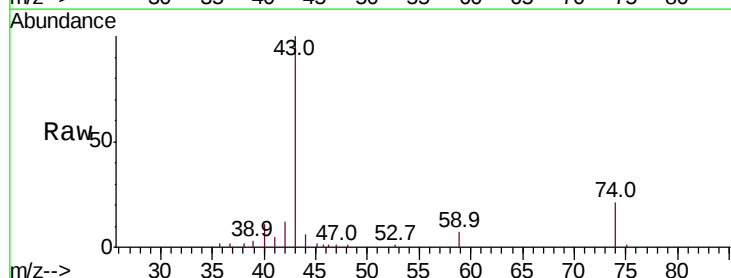


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

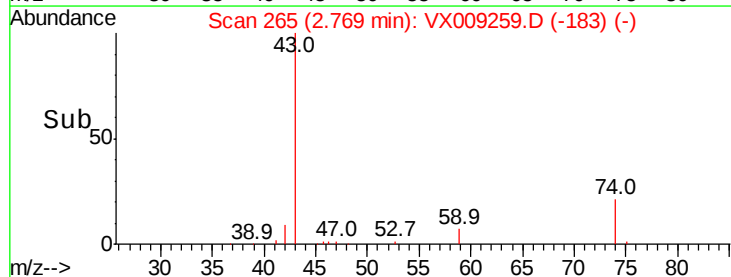
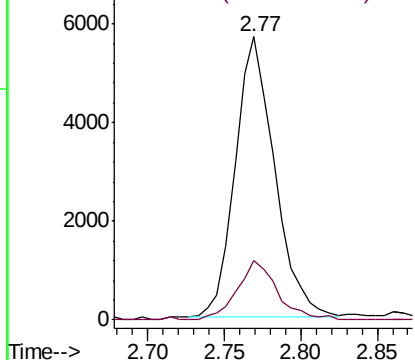


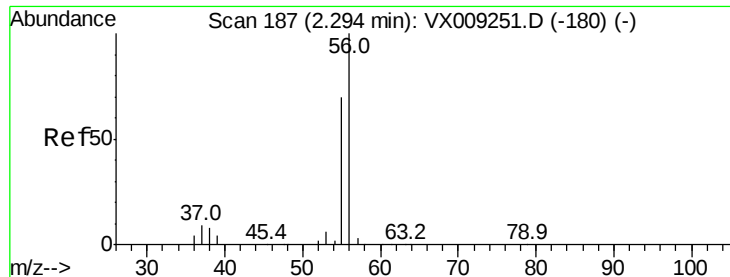
#12
Methyl Acetate
Concen: 2.830 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 10179
Ion Ratio Lower Upper
43 100
74 21.1 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 15.359 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

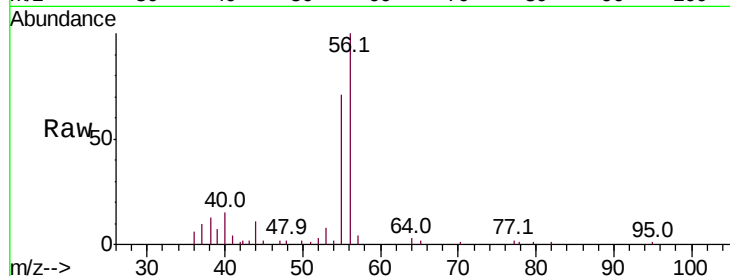
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 7577

Ion Ratio Lower Upper

56 100

55 74.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

5000

4000

3000

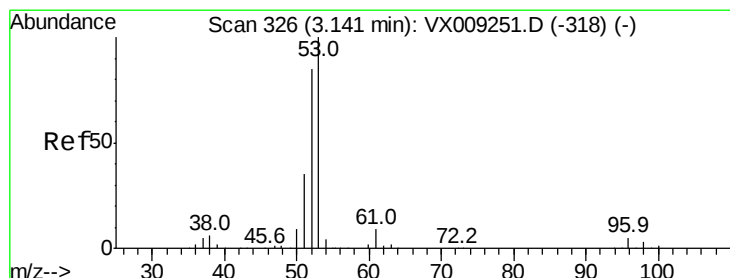
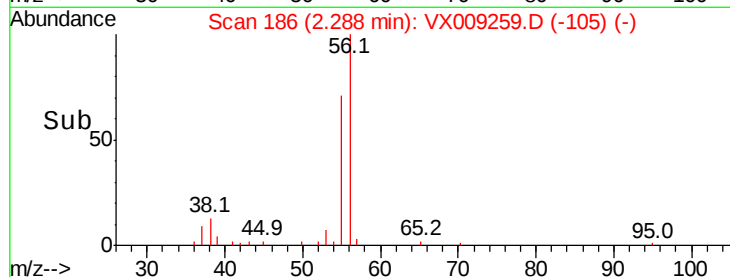
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Acrylonitrile

Concen: 12.392 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

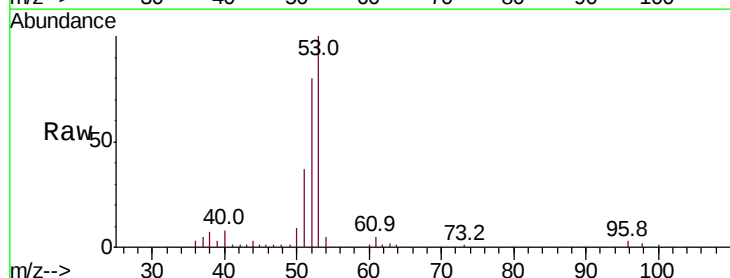
Tgt Ion: 53 Resp: 19344

Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.5

51 38.7 17.8 53.3



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

12000

10000

8000

6000

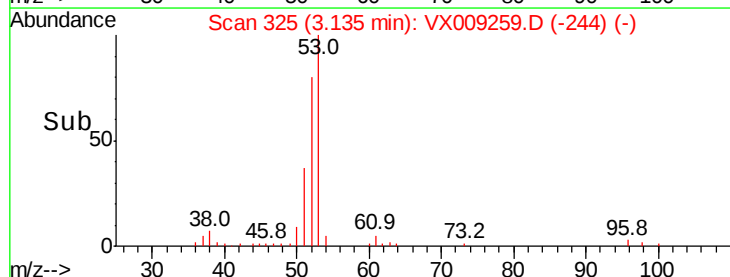
4000

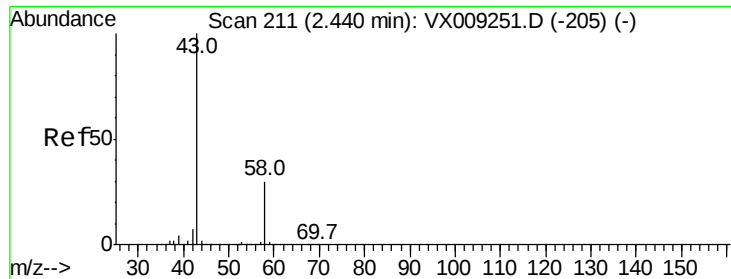
2000

0

Time-->

3.05 3.10 3.15 3.20





#15

Acetone

Concen: 12.542 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

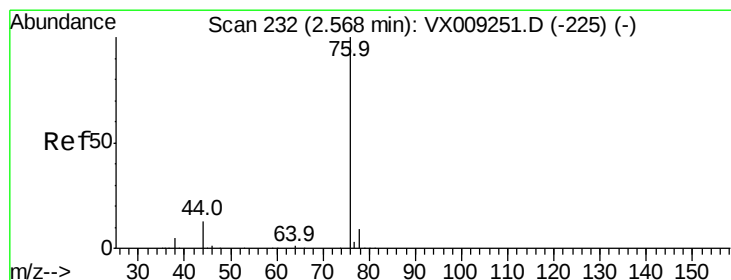
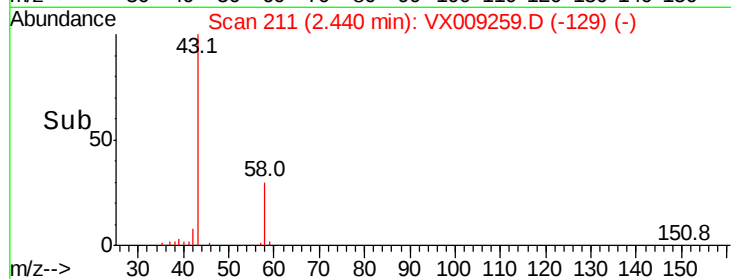
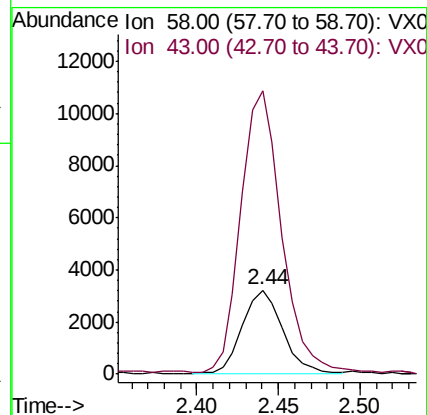
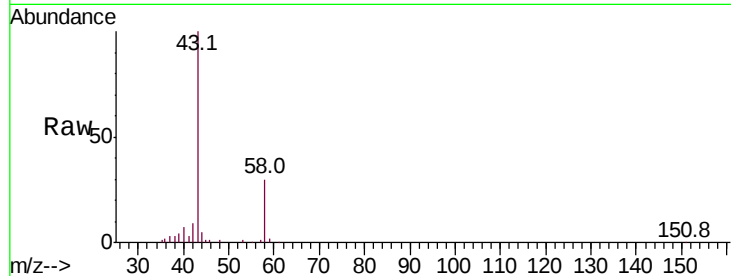
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 58 Resp: 5621

Ion Ratio Lower Upper

58 100

43 335.4 264.0 396.0



#16

Carbon Disulfide

Concen: 2.362 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009259.D

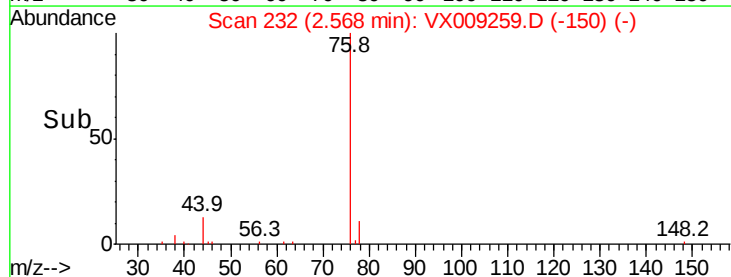
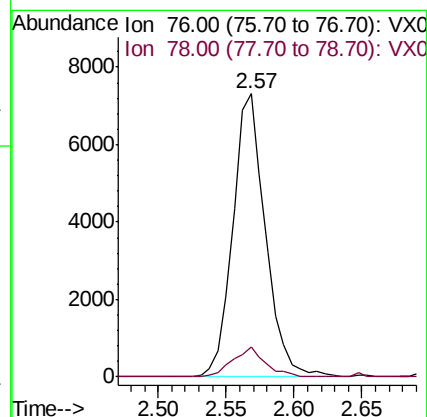
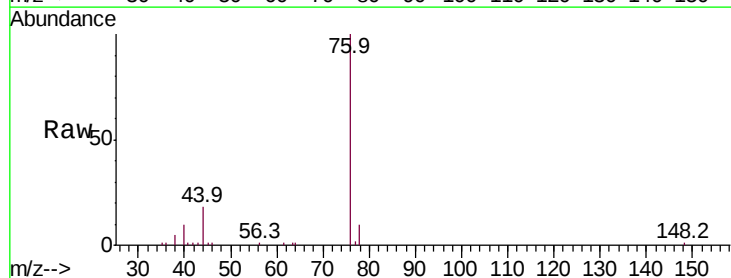
Acq: 01 May 2019 17:14

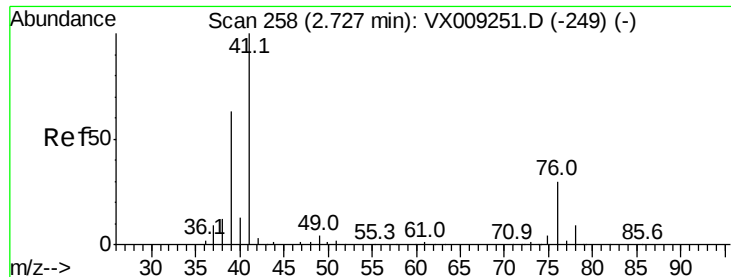
Tgt Ion: 76 Resp: 12204

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2





#17

Allvl chloride

Concen: 2.458 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

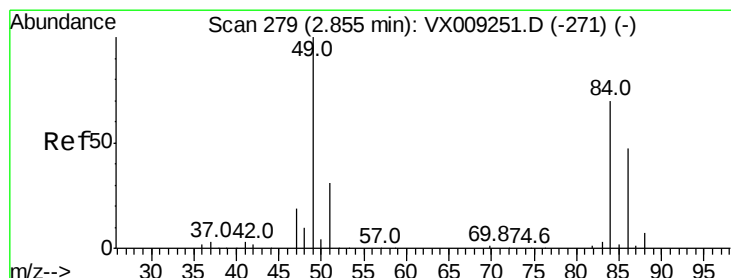
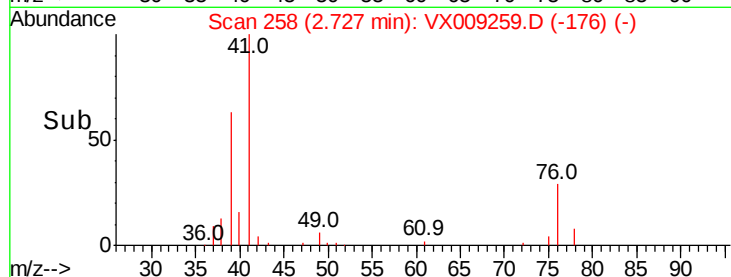
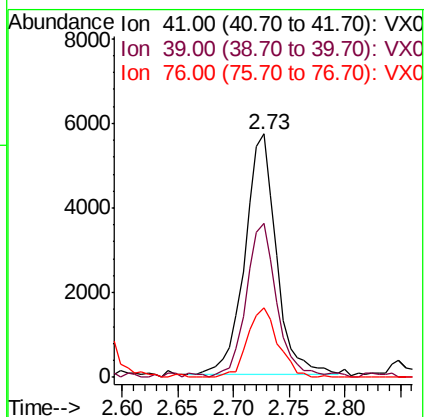
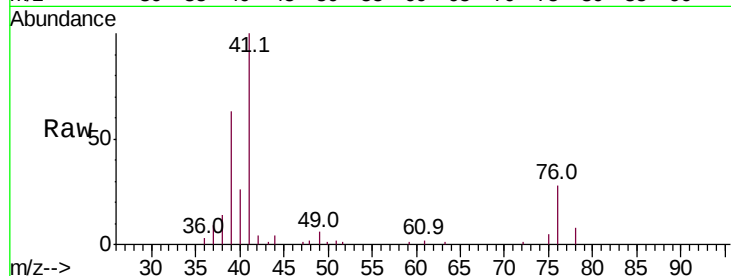
Tot Ion: 41 Resp: 11267

Ion Ratio Lower Upper

41 100

39 62.3 31.6 94.7

76 28.7 15.1 45.3



#18

Methylene Chloride

Concen: 2.619 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion: 84 Resp: 6045

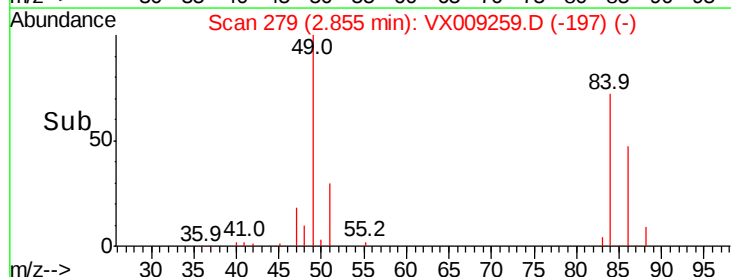
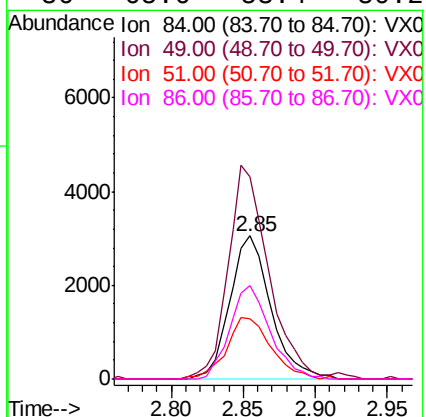
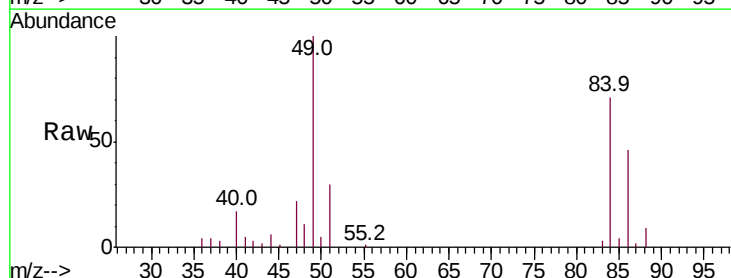
Ion Ratio Lower Upper

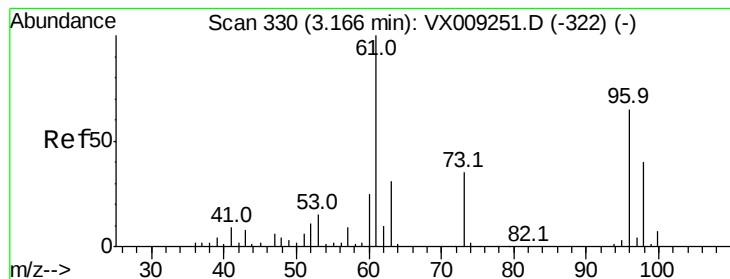
84 100

49 139.4 114.6 171.8

51 41.8 35.5 53.3

86 65.6 53.4 80.2





#19

trans-1,2-Dichloroethene

Concen: 2.598 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

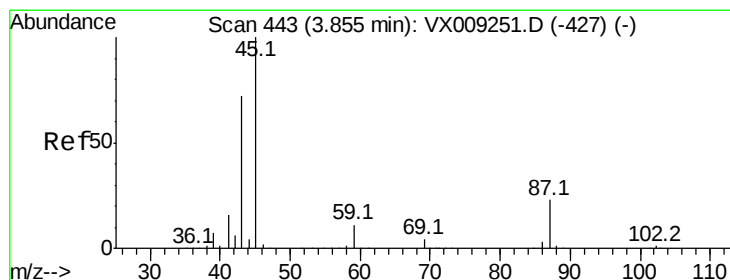
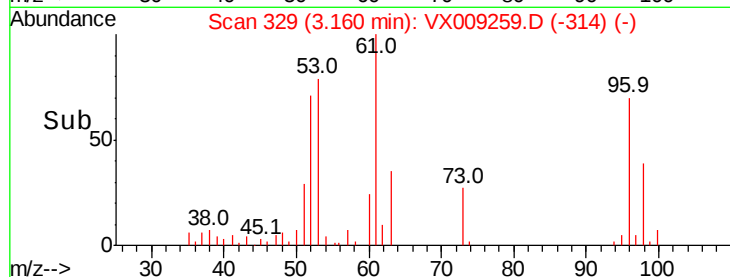
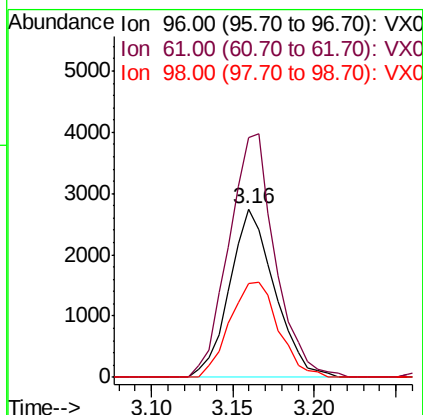
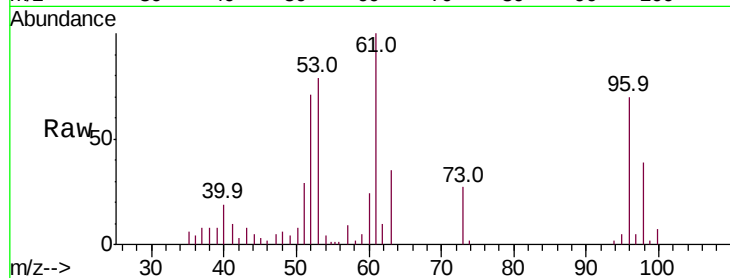
Tot Ion: 96 Resp: 5289

Ion Ratio Lower Upper

96 100

61 142.4 122.7 184.1

98 55.7 49.5 74.3



#20

Diisopropyl ether

Concen: 2.633 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Tgt Ion: 45 Resp: 23769

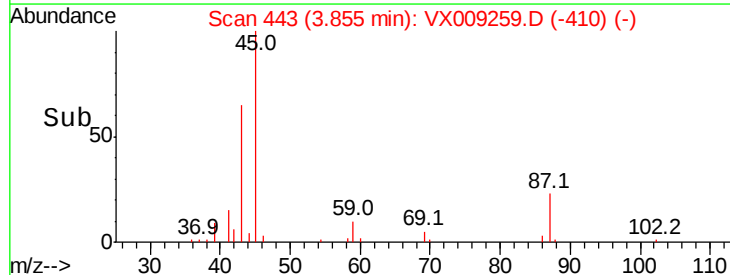
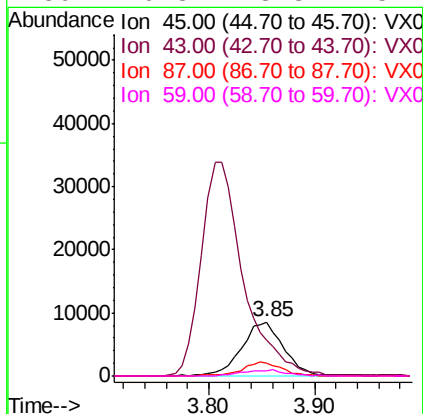
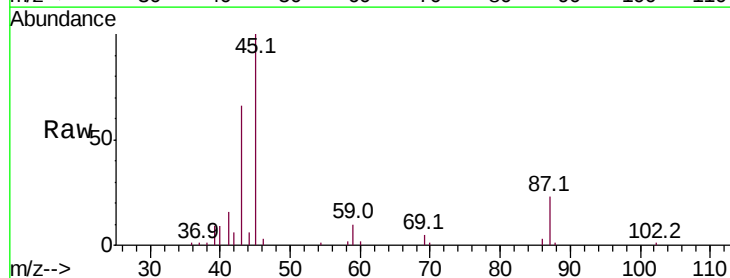
Ion Ratio Lower Upper

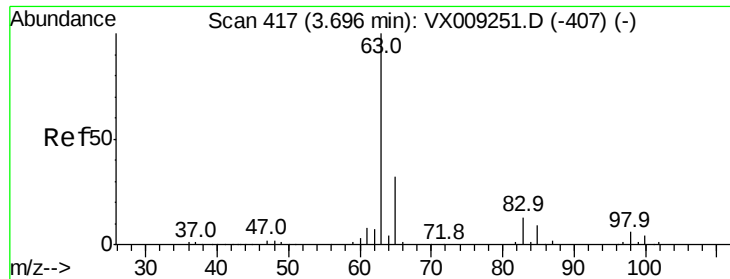
45 100

43 63.0 57.7 86.5

87 22.9 18.5 27.7

59 10.3 8.8 13.2





#21

1,1-Dichloroethane

Concen: 2.563 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

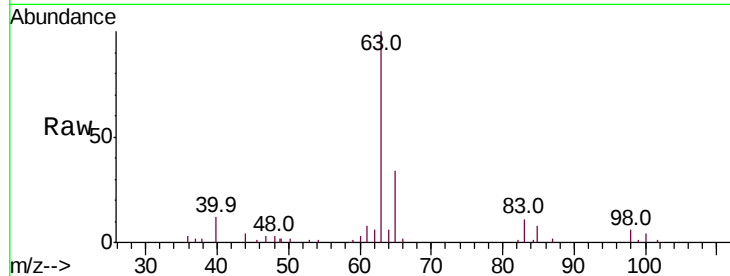
Tot Ion: 63 Resp: 11199

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

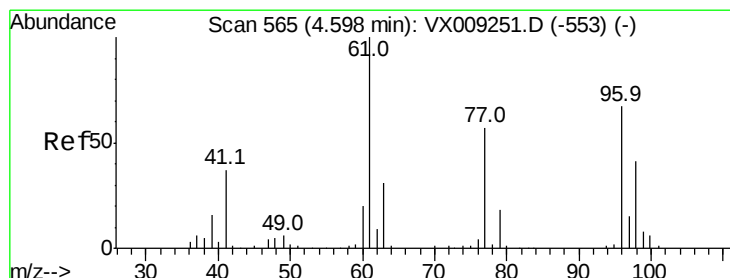
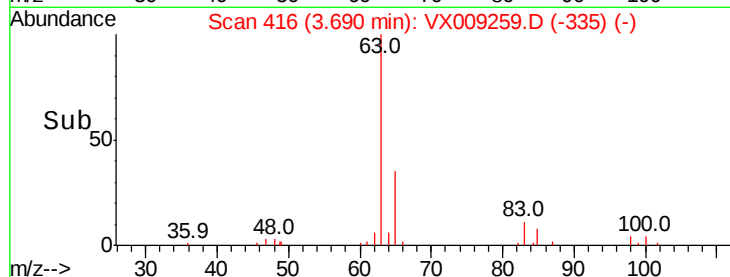
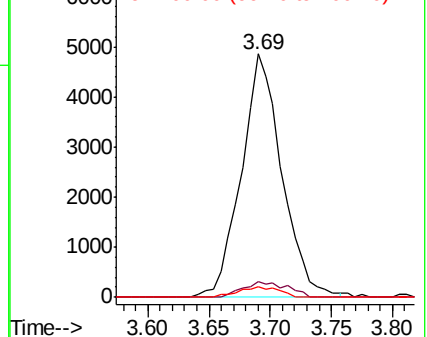
100 4.3 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 2.617 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

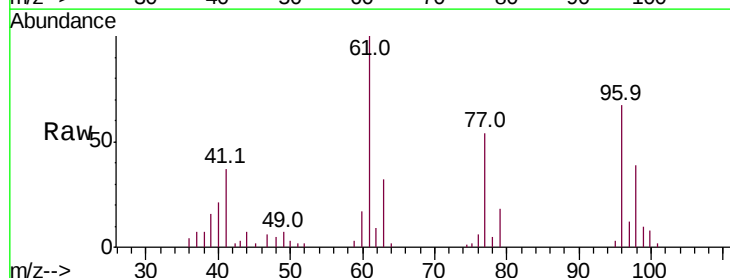
Tgt Ion: 96 Resp: 6419

Ion Ratio Lower Upper

96 100

61 161.5 127.7 191.5

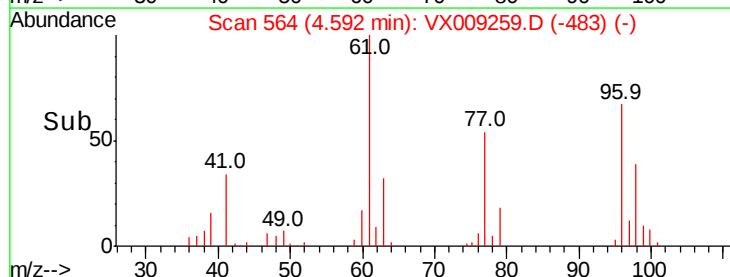
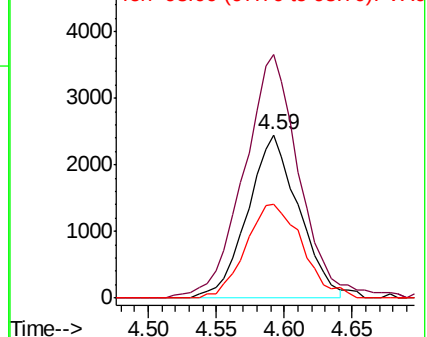
98 62.5 50.5 75.7

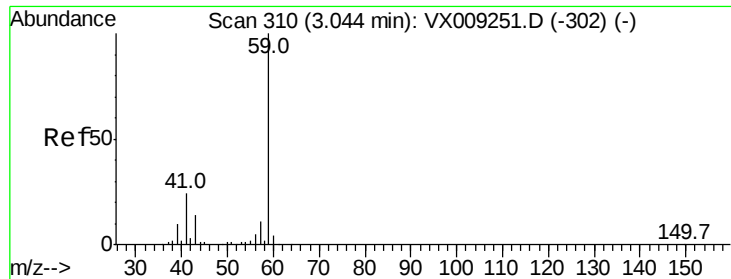


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 12.069 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

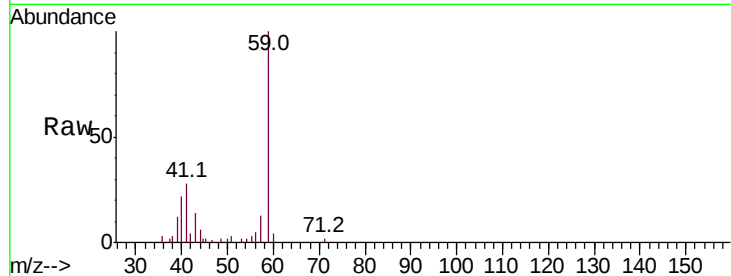
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 59 Resp: 7966

Ion Ratio Lower Upper

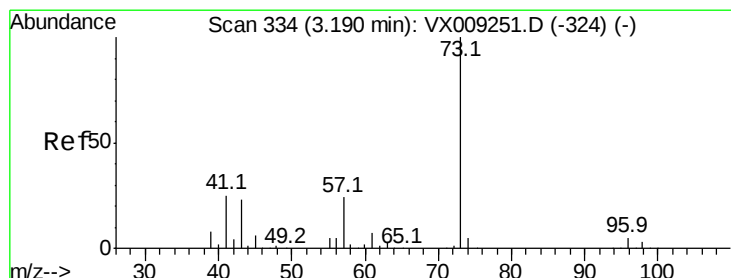
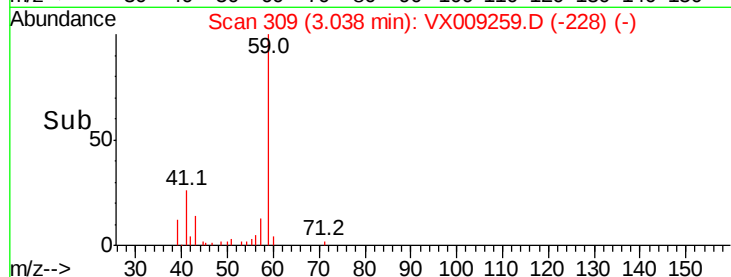
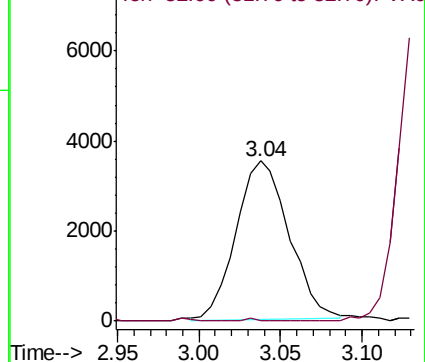
59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 2.586 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009259.D

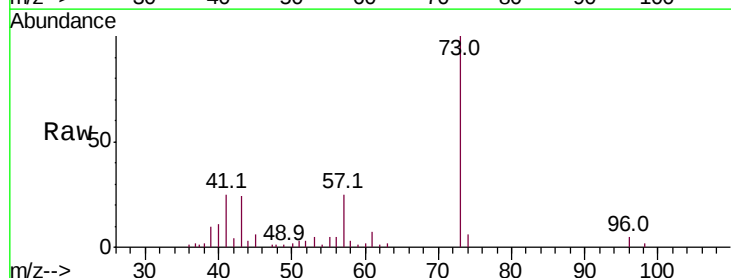
Acq: 01 May 2019 17:14

Tgt Ion: 73 Resp: 19328

Ion Ratio Lower Upper

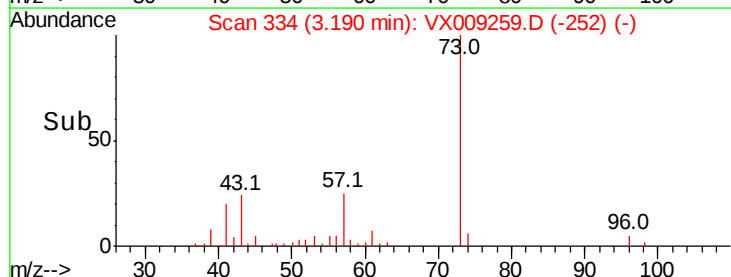
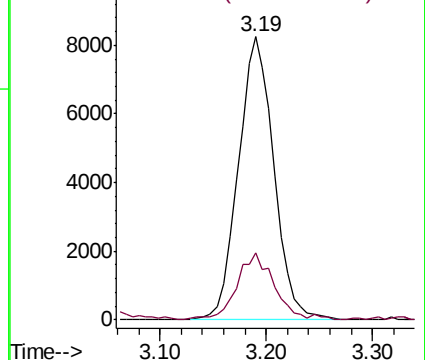
73 100

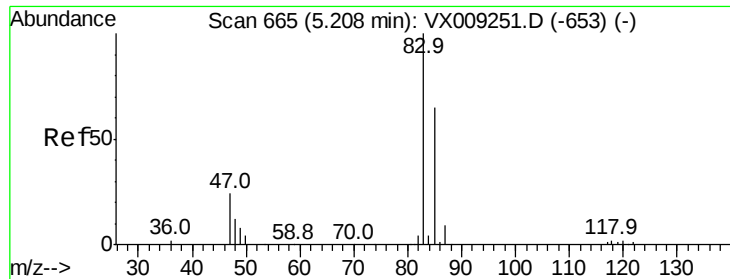
43 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 2.647 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

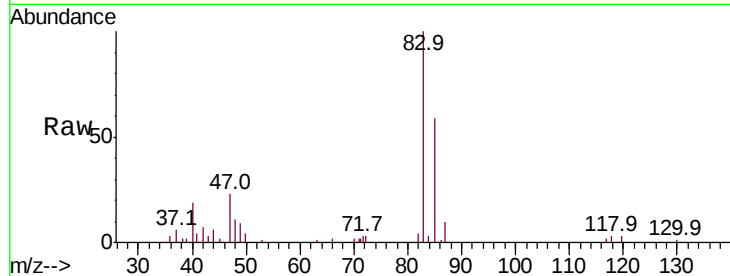
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 83 Resp: 10555

Ion Ratio Lower Upper

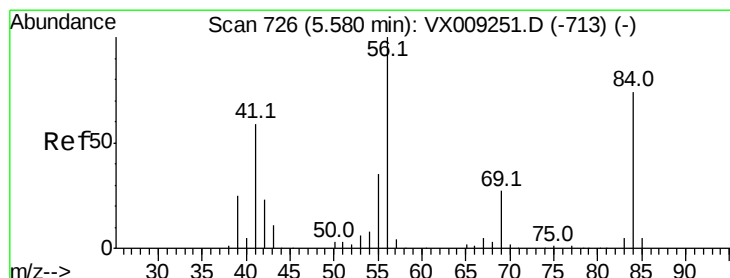
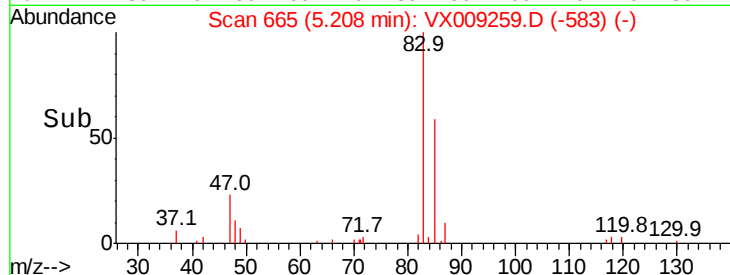
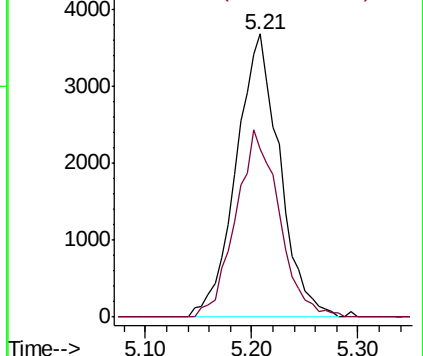
83 100

85 59.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 2.592 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

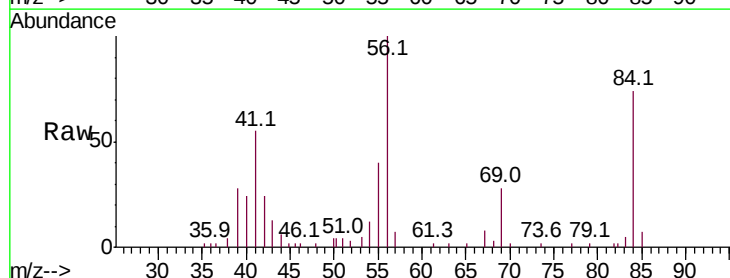
Tgt Ion: 56 Resp: 10556

Ion Ratio Lower Upper

56 100

89 4.6 0.0 0.0#

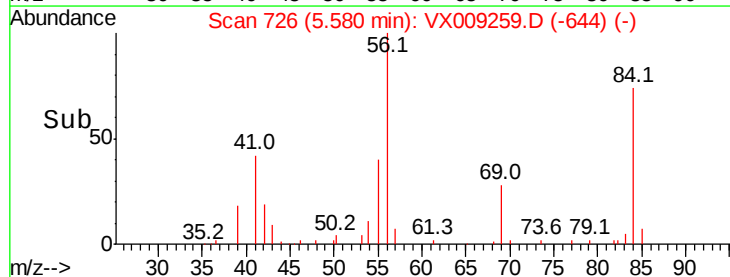
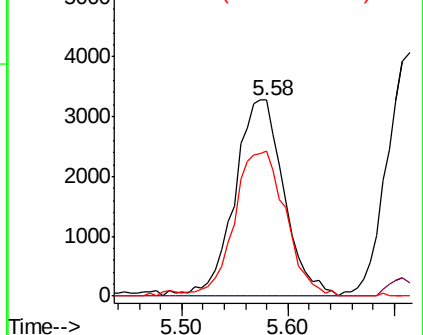
84 77.1 59.7 89.5

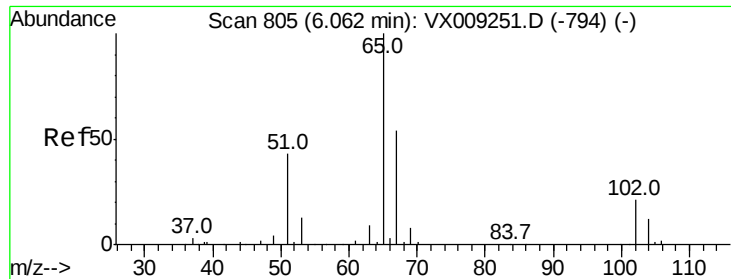


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.545 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

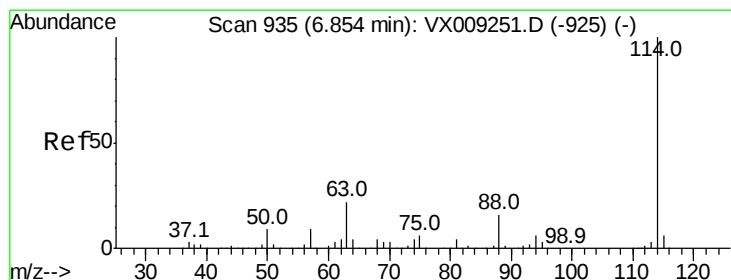
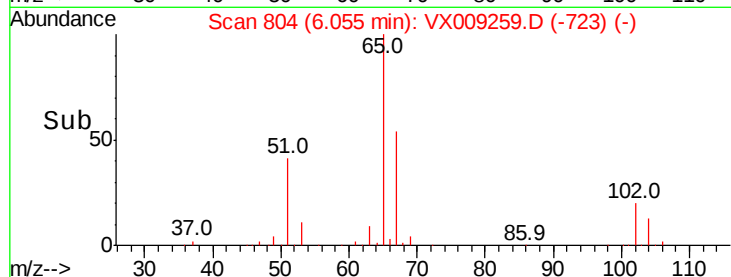
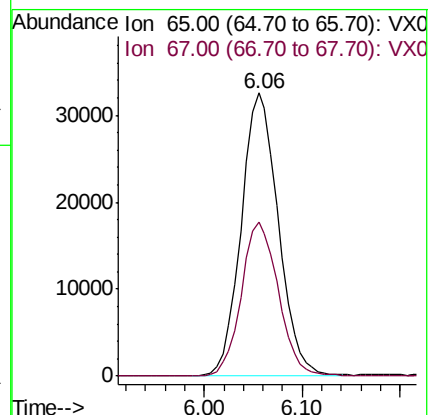
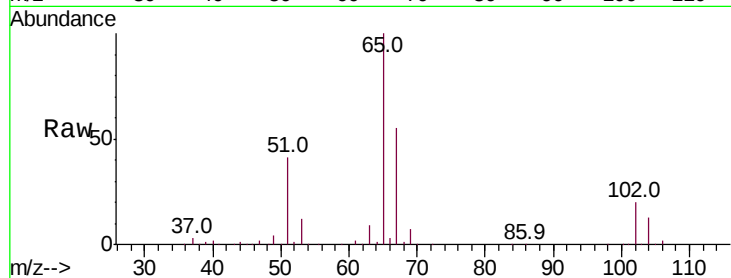
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 65 Resp: 85567

Ion Ratio Lower Upper

65 100

67 54.3 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

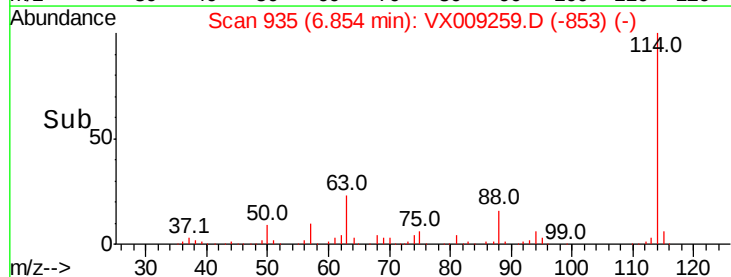
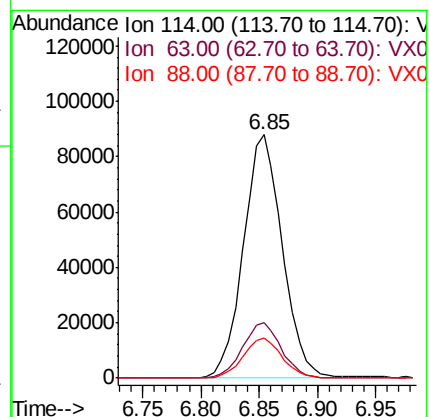
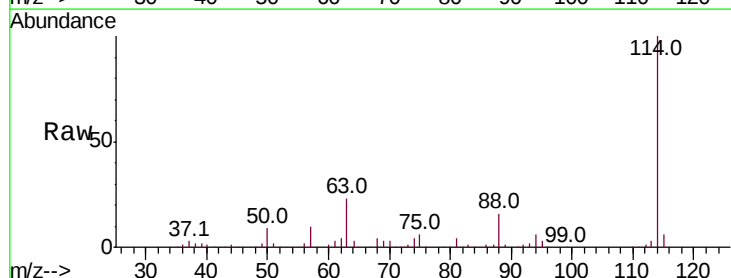
Tgt Ion: 114 Resp: 204227

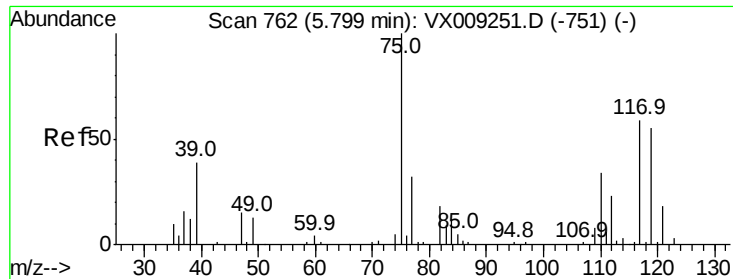
Ion Ratio Lower Upper

114 100

63 23.0 18.0 27.0

88 16.3 13.4 20.0

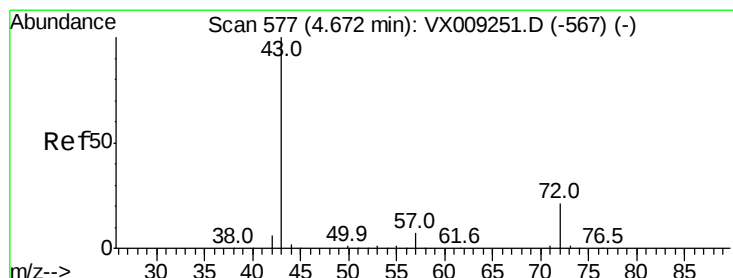
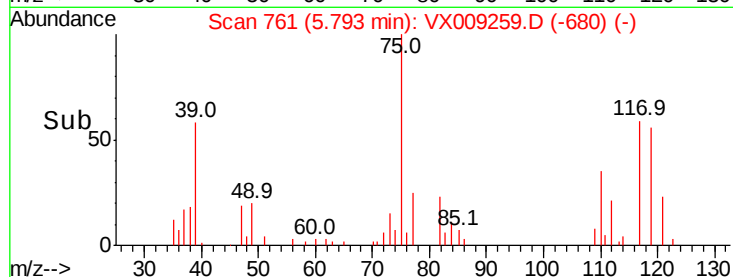
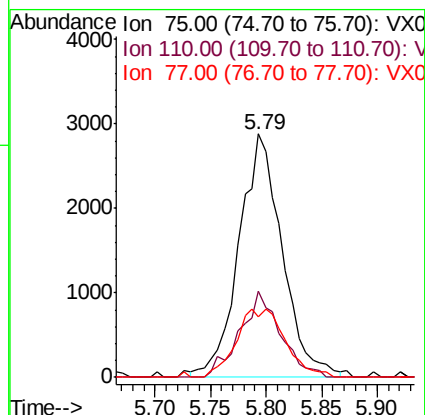
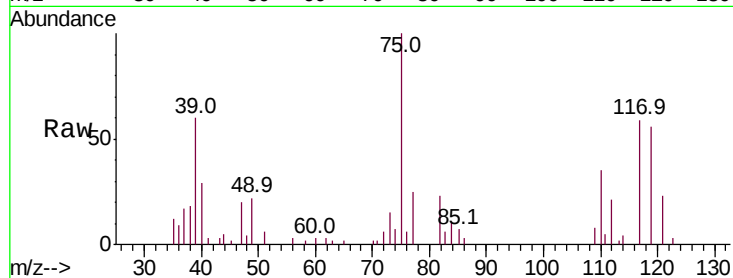




#29
 1,1-Dichloropropene
 Concen: 2.589 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

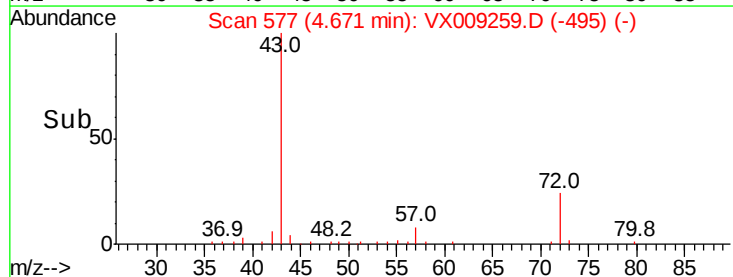
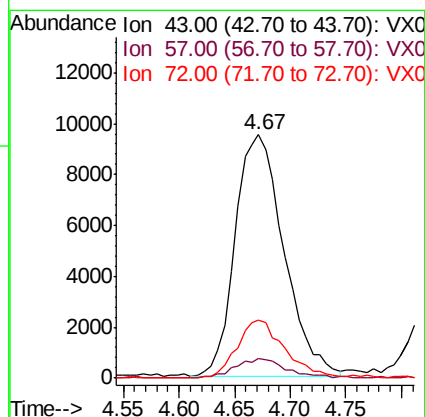
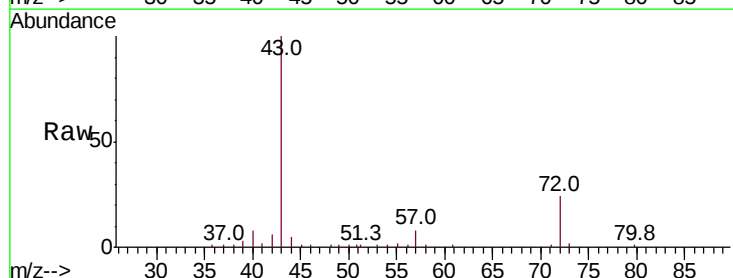
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

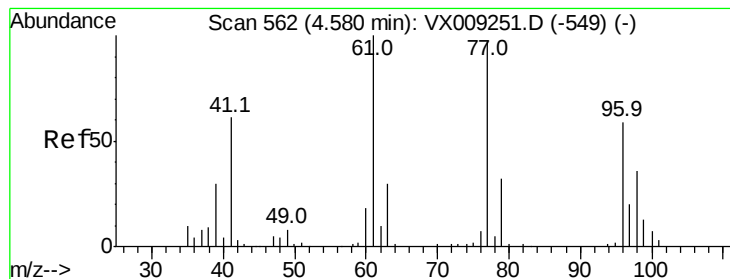
Tot Ion: 75 Resp: 7759
 Ion Ratio Lower Upper
 75 100
 110 30.7 0.0 66.4
 77 16.0 0.0 62.2



#30
 2-Butanone
 Concen: 12.281 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 28822
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.0 9.0
 72 23.6 18.2 27.4





#31

2,2-Dichloropropane

Concen: 2.629 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

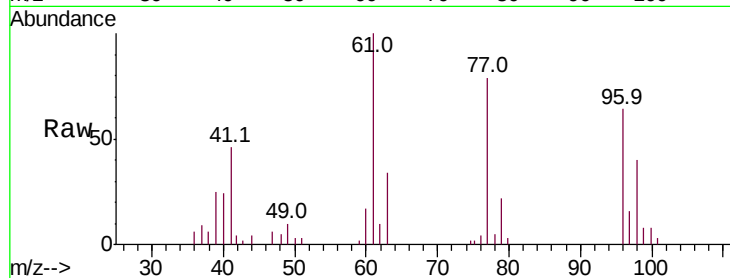
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 77 Resp: 8685

Ion Ratio Lower Upper

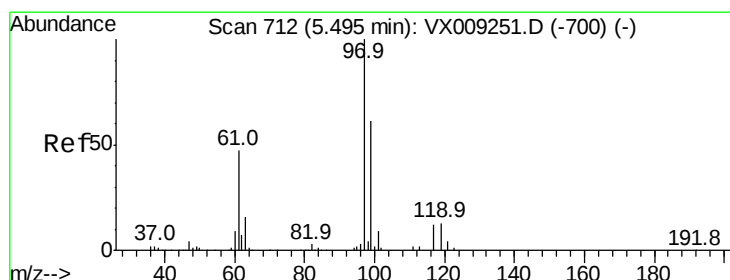
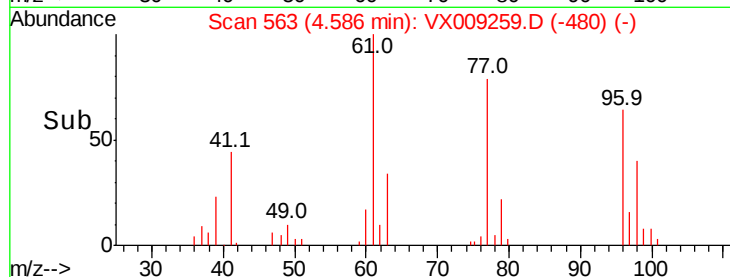
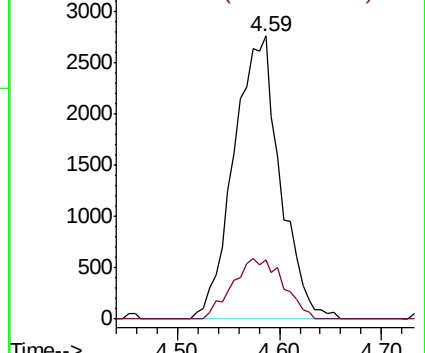
77 100

97 23.4 18.3 27.5



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 1.357 ug/l

RT: 5.48 min Scan# 709

Delta R.T. -0.02 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

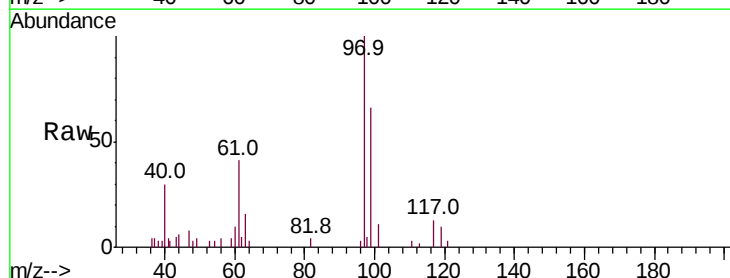
Tgt Ion: 97 Resp: 4408

Ion Ratio Lower Upper

97 100

99 129.1 53.9 80.9#

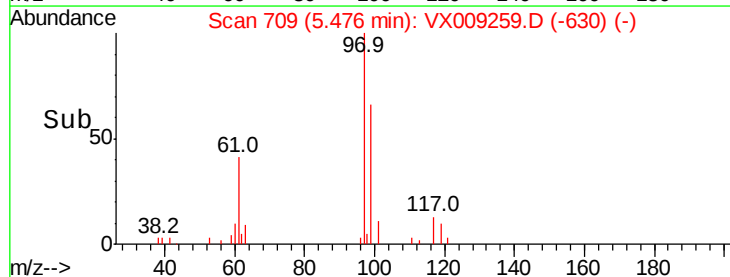
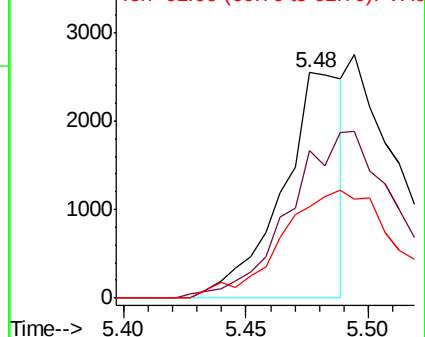
61 88.5 38.6 58.0#

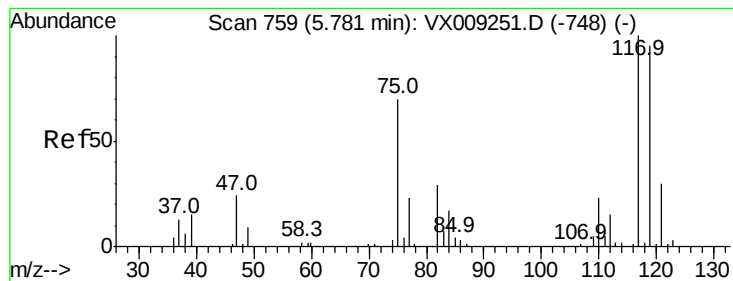


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 2.475 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

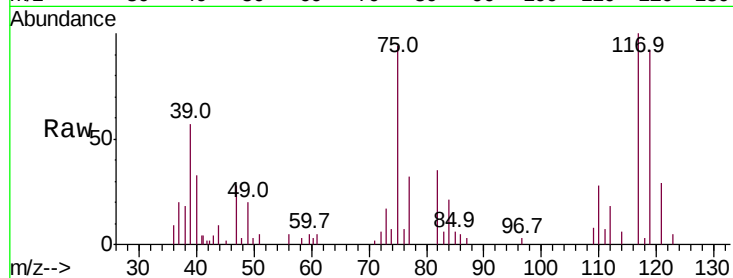
Tot Ion:117 Resp: 6728

Ion Ratio Lower Upper

117 100

119 92.4 76.1 114.1

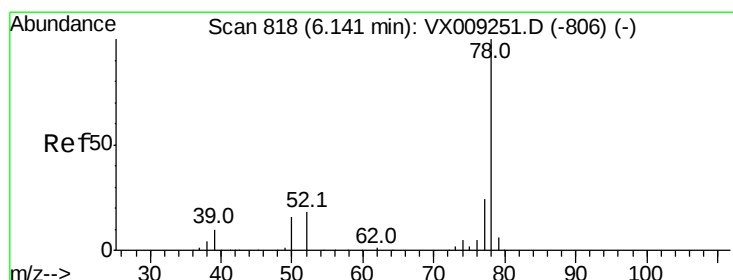
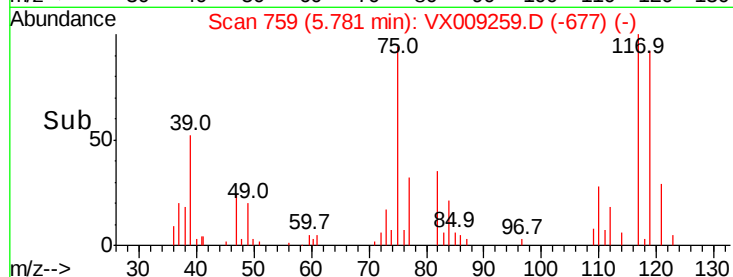
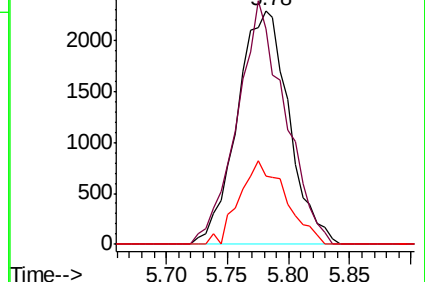
121 29.1 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 2.548 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

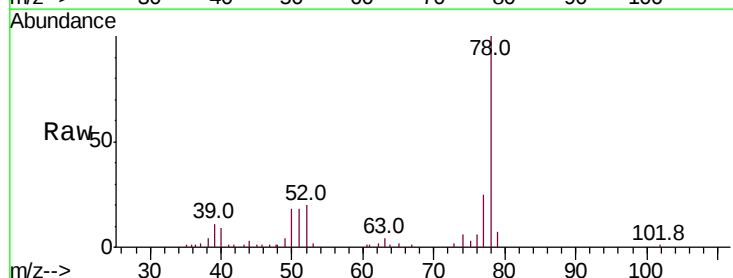
Tgt Ion: 78 Resp: 23536

Ion Ratio Lower Upper

78 100

77 25.4 18.8 28.2

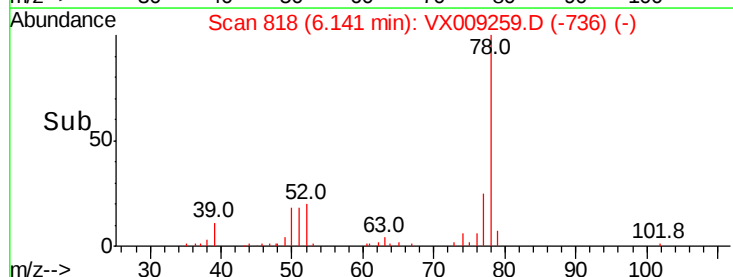
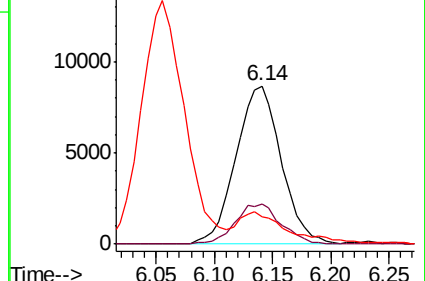
51 15.3 13.5 20.3

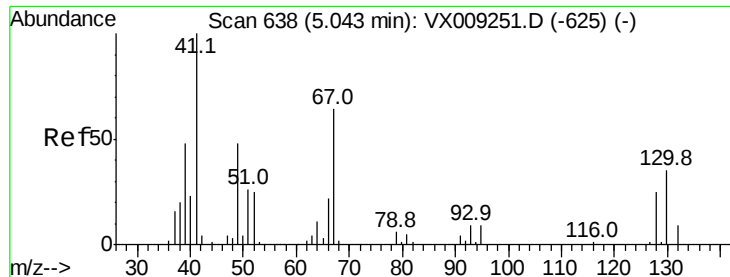


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

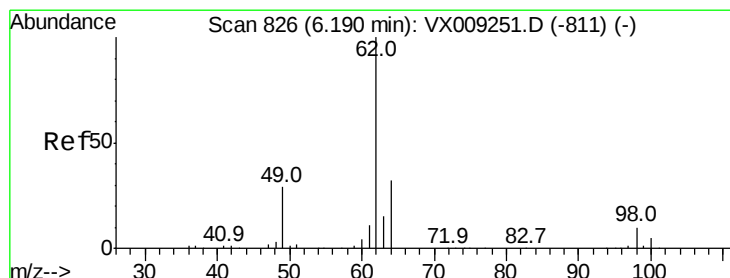
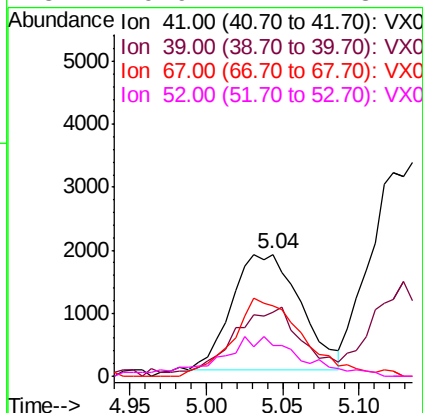
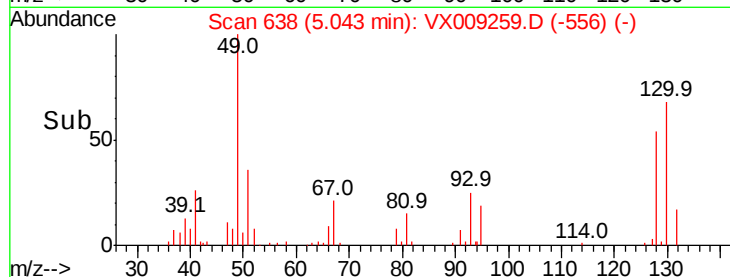
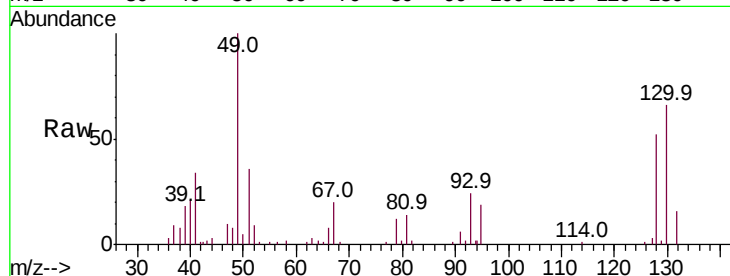




#35
Methacrylonitrile
Concen: 2.346 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

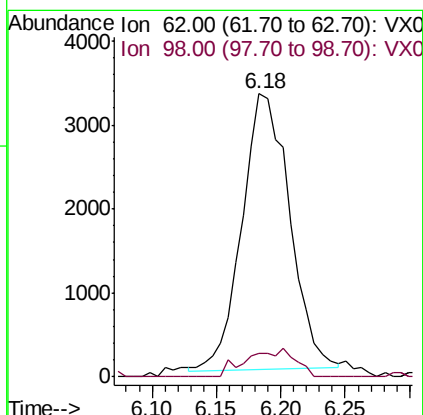
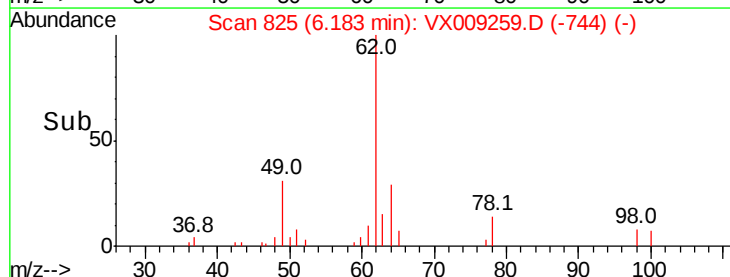
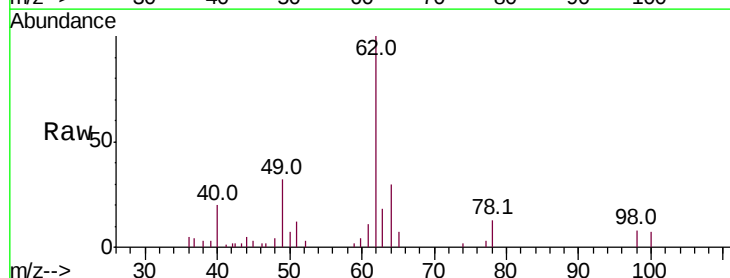
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

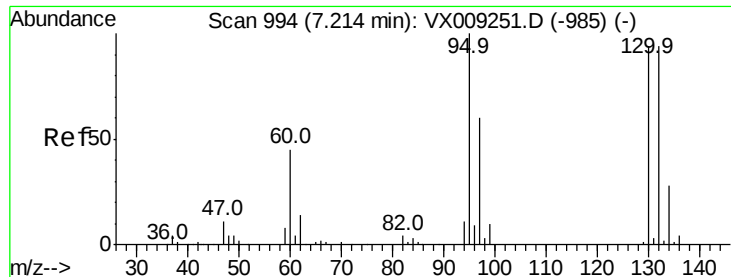
Tot Ion:	41	Resp:	5761
Ion	Ratio	Lower	Upper
41	100		
39	51.1	24.1	72.3
67	56.1	32.2	96.6
52	19.9	12.4	37.4



#36
1,2-Dichloroethane
Concen: 2.518 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion:	62	Resp:	8442
Ion	Ratio	Lower	Upper
62	100		
98	5.3	7.4	11.2#

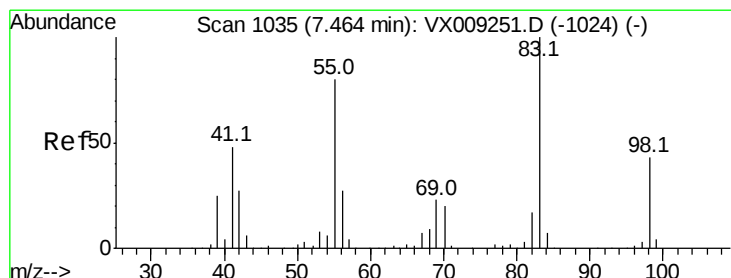
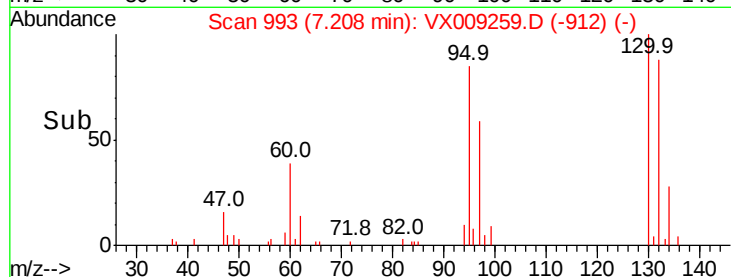
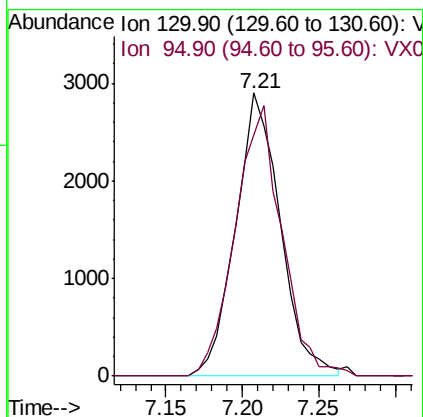
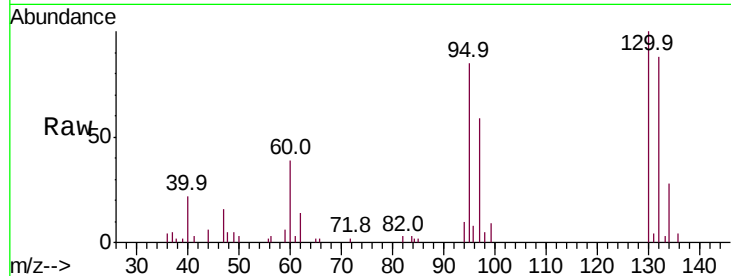




#37
 Trichloroethene
 Concen: 2.651 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

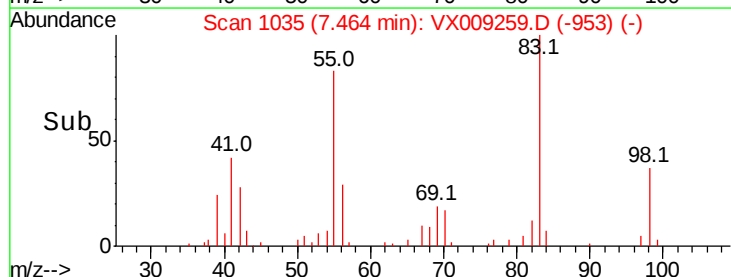
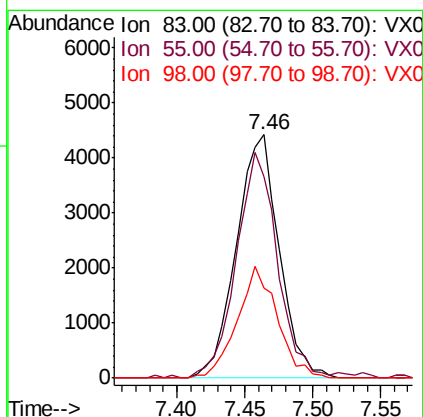
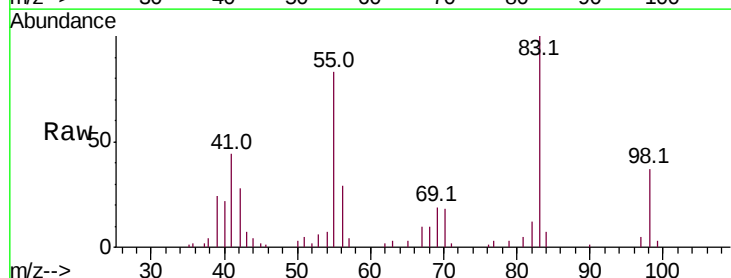
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

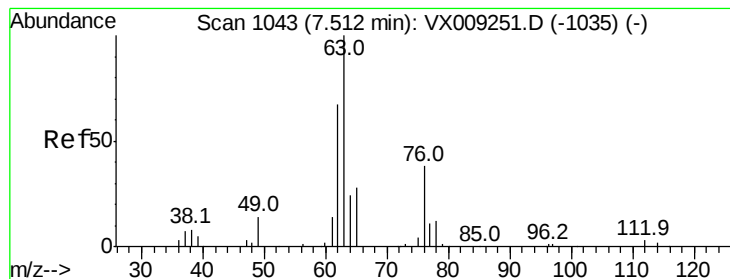
Tot Ion:130 Resp: 5895
 Ion Ratio Lower Upper
 130 100
 95 85.4 85.0 127.4



#38
 Methylcyclohexane
 Concen: 2.629 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 83 Resp: 9732
 Ion Ratio Lower Upper
 83 100
 55 88.7 43.0 129.2
 98 43.1 22.1 66.1





#39

1,2-Dichloropropane

Concen: 2.658 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

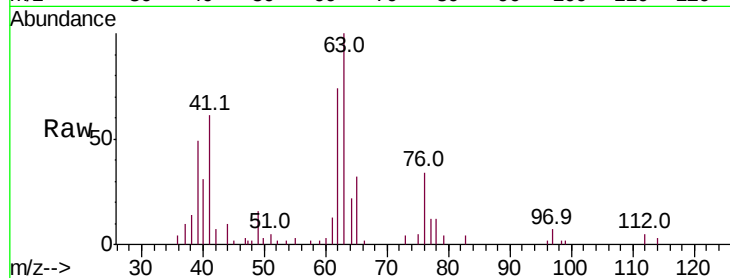
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 6993

Ion Ratio Lower Upper

63 100

65 31.7 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.51

3000

2000

1000

0

7.40

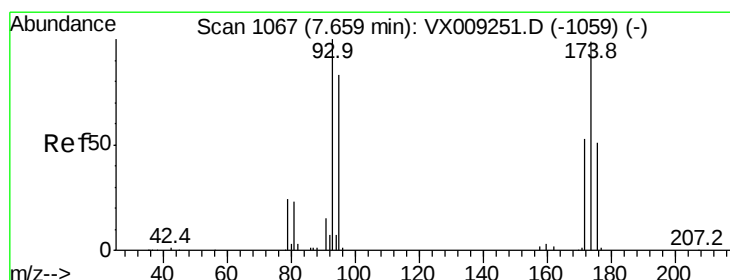
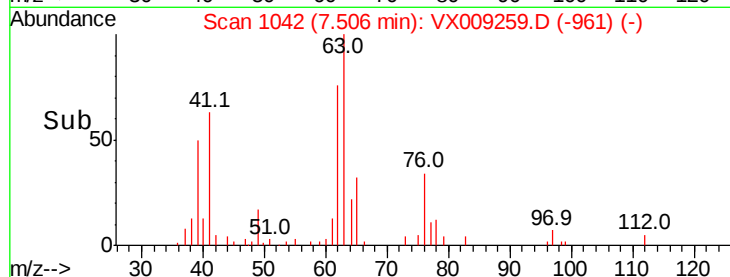
7.45

7.50

7.55

7.60

Time-->



#40

Dibromomethane

Concen: 2.661 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

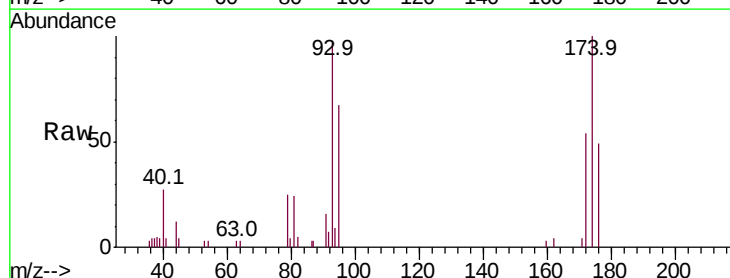
Tgt Ion: 93 Resp: 3974

Ion Ratio Lower Upper

93 100

95 81.2 0.0 167.2

174 101.8 0.0 203.4



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

2500

2000

1500

1000

500

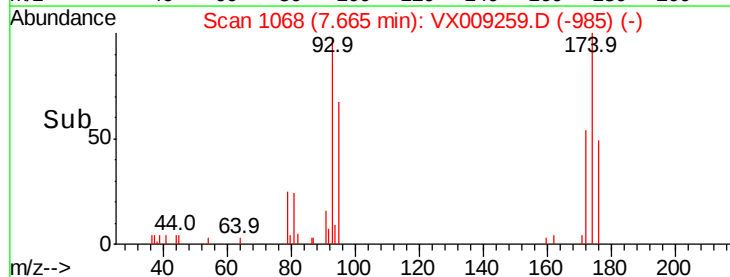
0

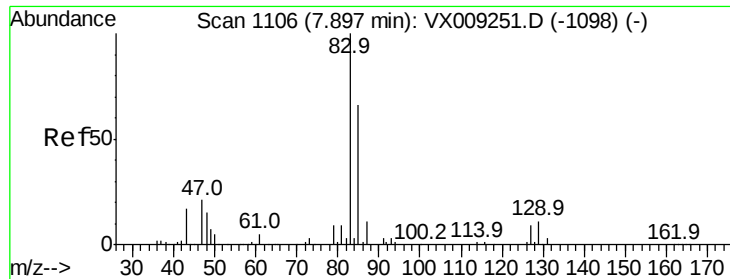
7.60

7.65

7.70

Time-->





#41

Bromodichloromethane

Concen: 2.389 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

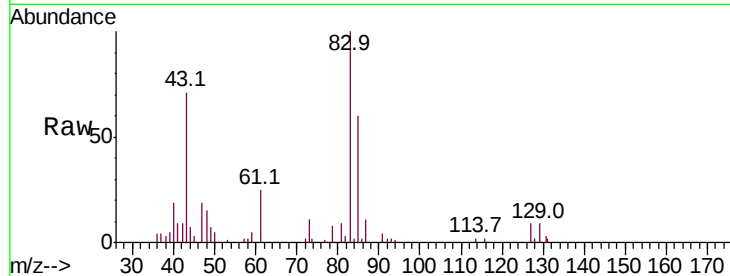
Tot Ion: 83 Resp: 7286

Ion Ratio Lower Upper

83 100

85 59.8 52.6 79.0

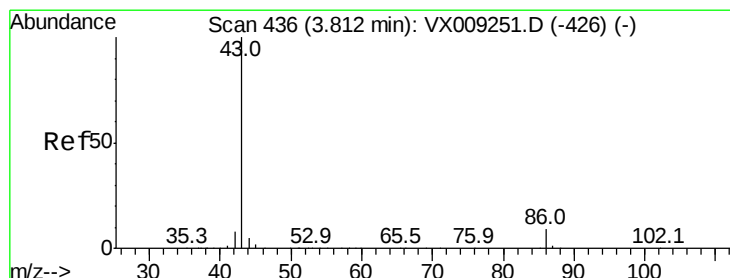
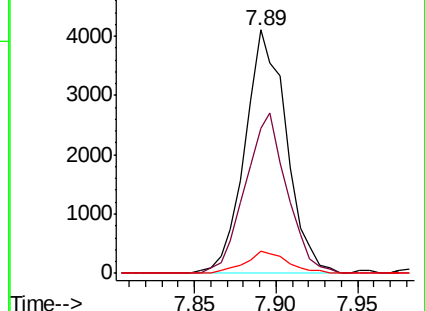
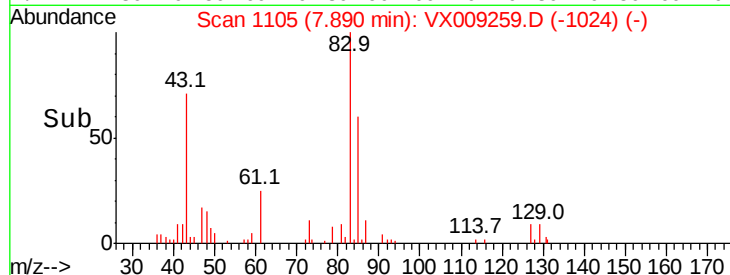
127 9.0 6.9 10.3



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: 11.918 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX009259.D

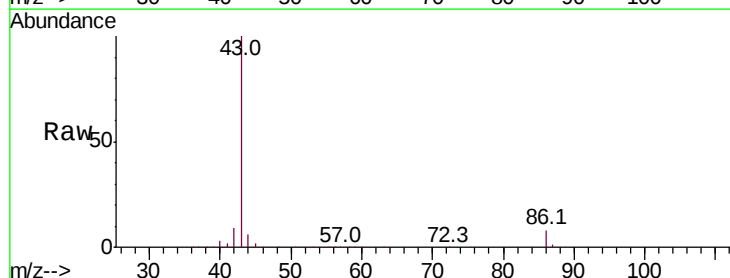
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 92310

Ion Ratio Lower Upper

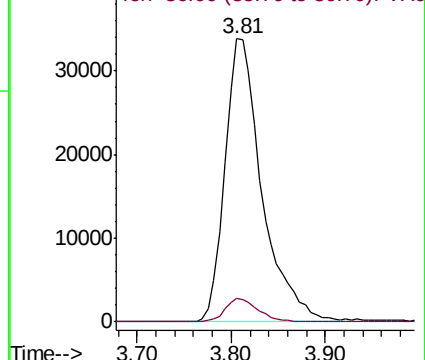
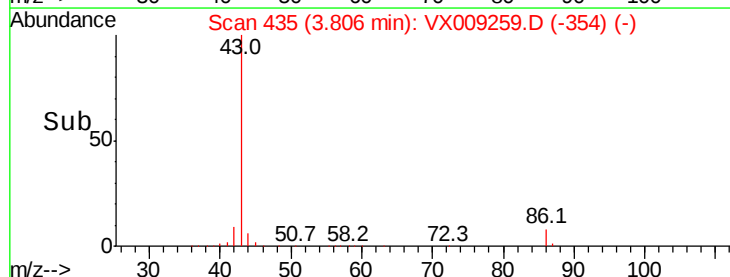
43 100

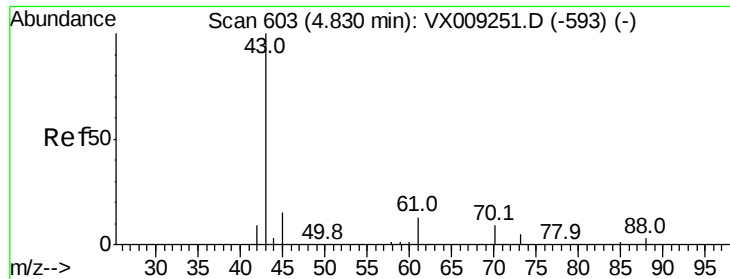
86 7.4 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 2.247 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

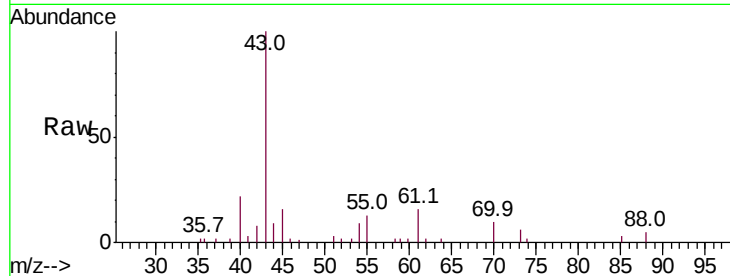
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 9529

Ion Ratio Lower Upper

43 100

45 13.2 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

4000

3000

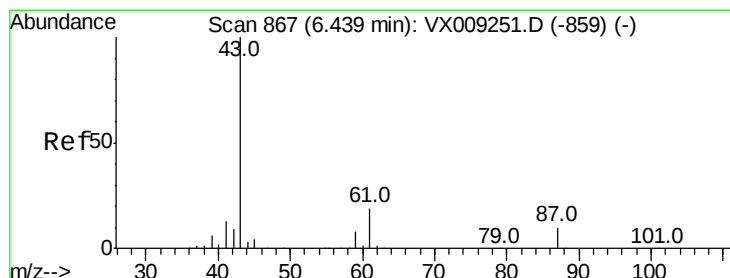
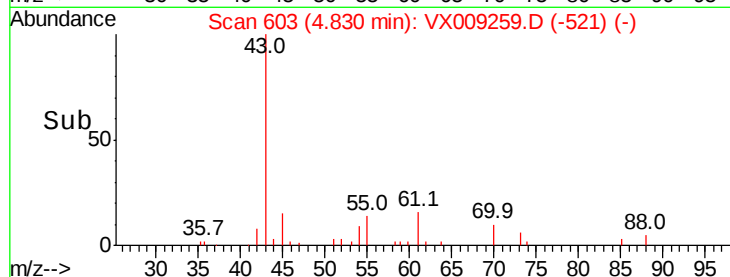
2000

1000

0

Time-->

4.75 4.80 4.85 4.90



#44

Isopropyl Acetate

Concen: 2.439 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX009259.D

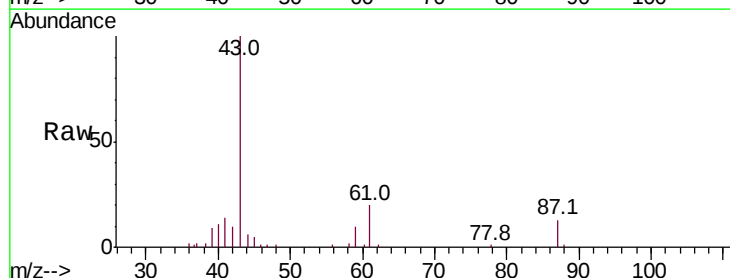
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 16754

Ion Ratio Lower Upper

43 100

61 20.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6000

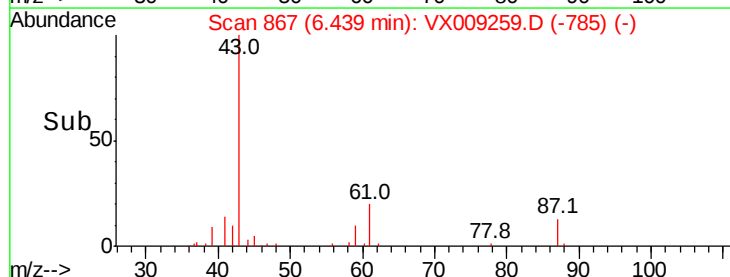
4000

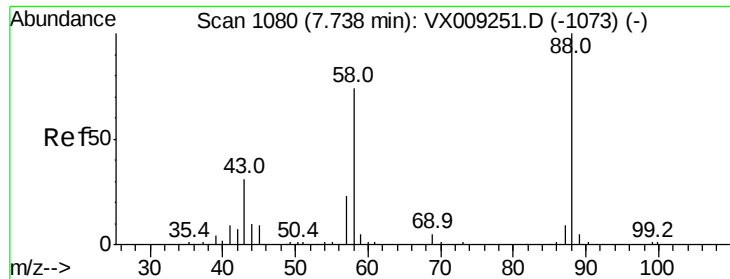
2000

0

Time-->

6.35 6.40 6.45 6.50





#45

1,4-Dioxane

Concen: 52.514 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

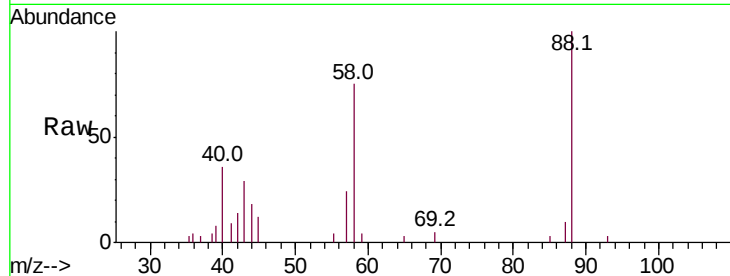
Tot Ion: 88 Resp: 3542

Ion Ratio Lower Upper

88 100

43 24.9 28.5 42.7#

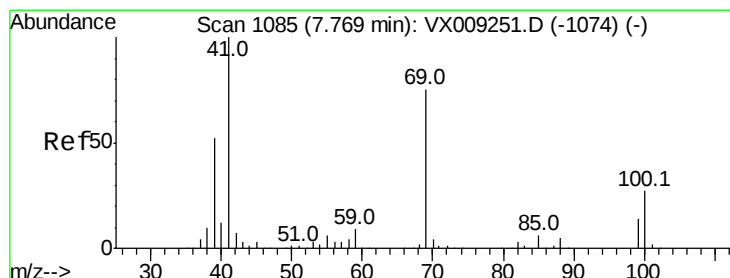
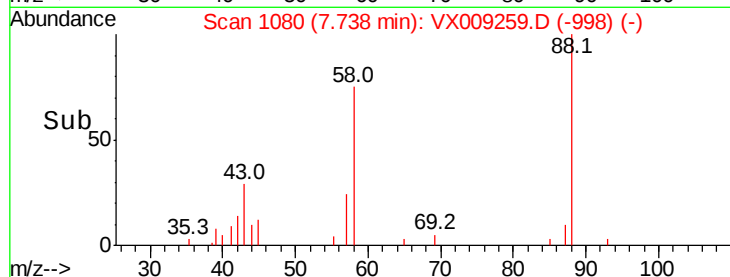
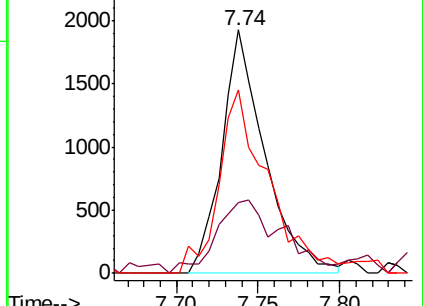
58 81.8 62.5 93.7



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: 2.244 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

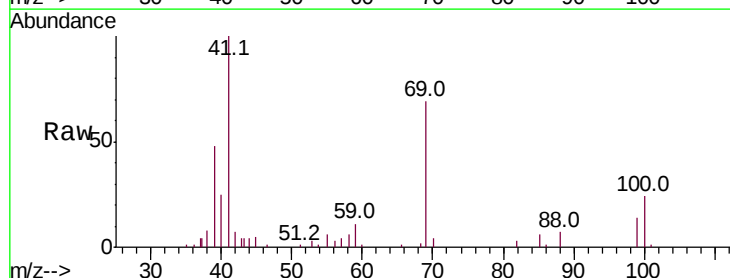
Tgt Ion: 41 Resp: 7696

Ion Ratio Lower Upper

41 100

69 71.1 37.6 112.8

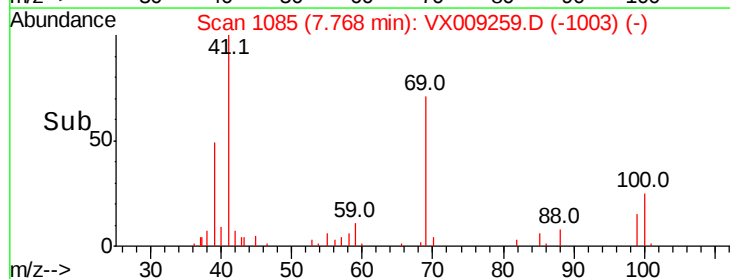
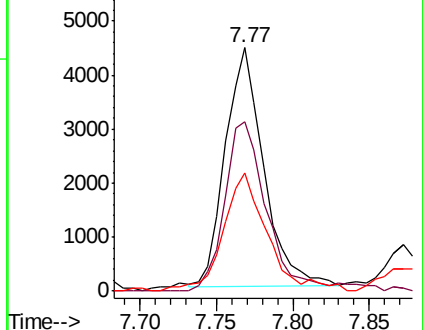
39 46.7 25.8 77.3

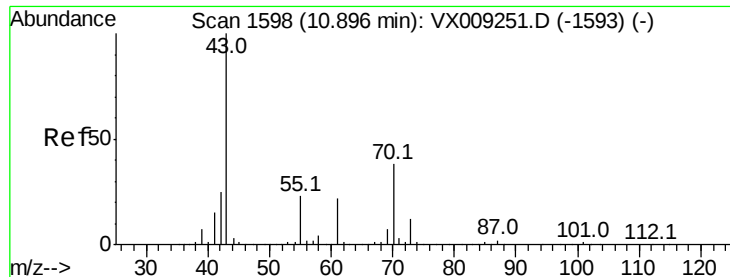


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 2.285 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

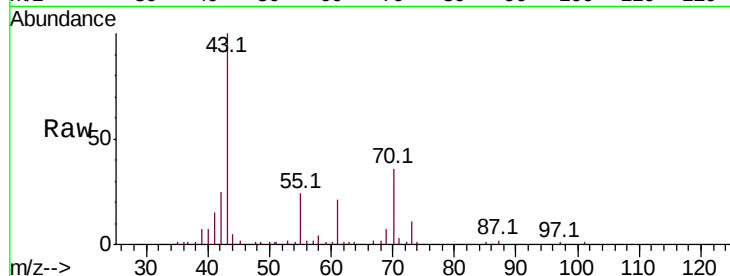
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 14140

Ion Ratio Lower Upper

43 100

55 23.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

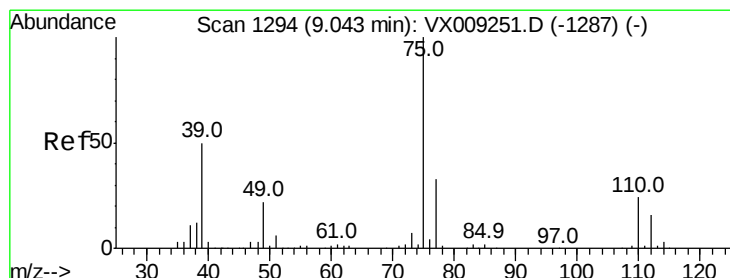
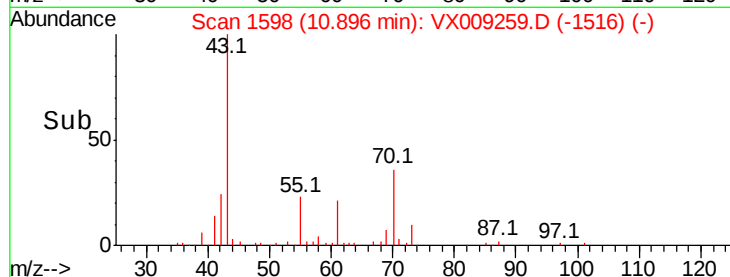
10.90

10000

5000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009259.D

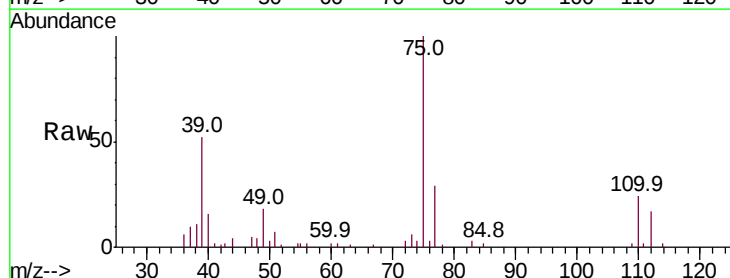
Acq: 01 May 2019 17:14

Tgt Ion: 75 Resp: 7971

Ion Ratio Lower Upper

75 100

77 27.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

6000

5000

4000

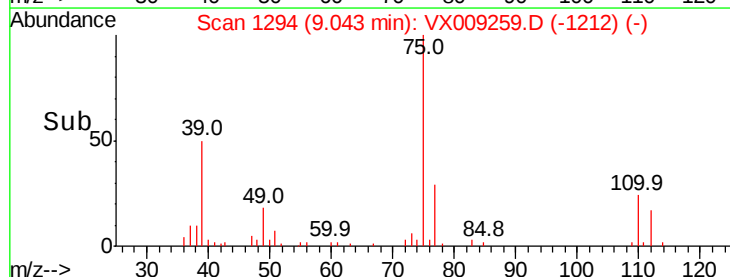
3000

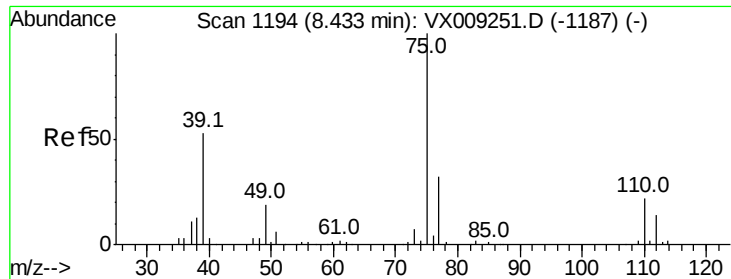
2000

1000

0

Time-->

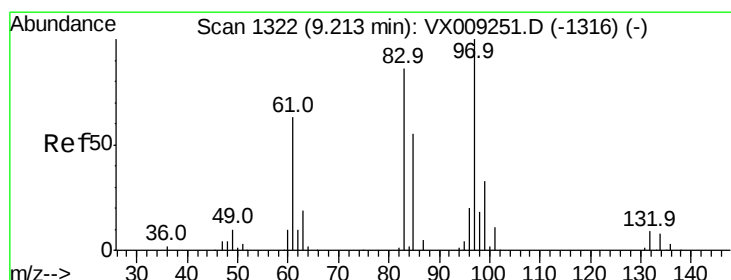
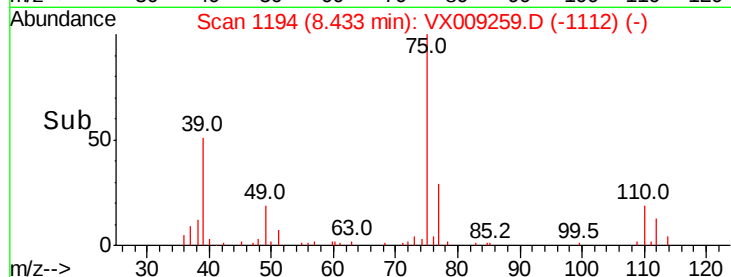
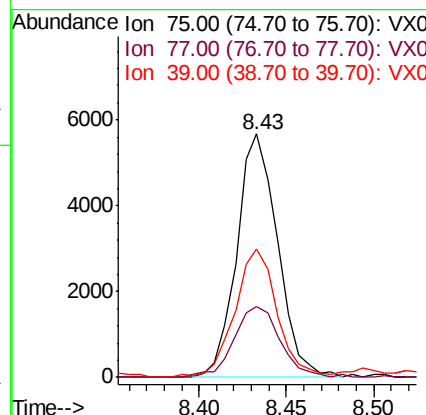
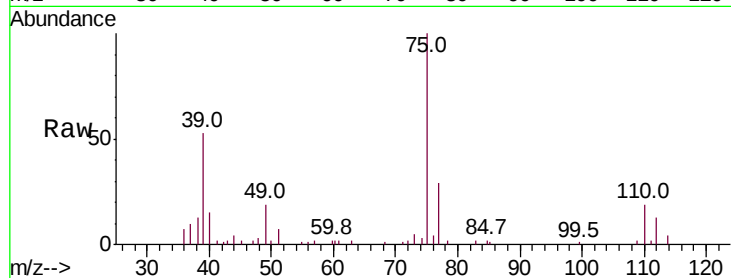




#49
 cis-1,3-Dichloropropene
 Concen: 2.368 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

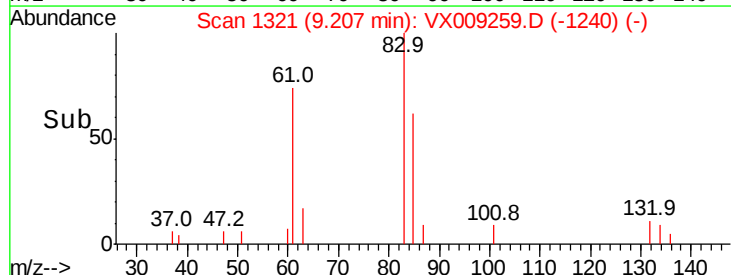
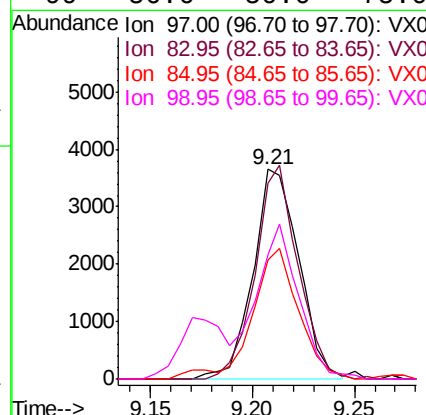
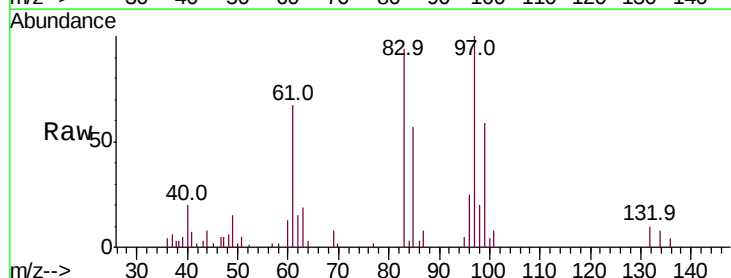
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

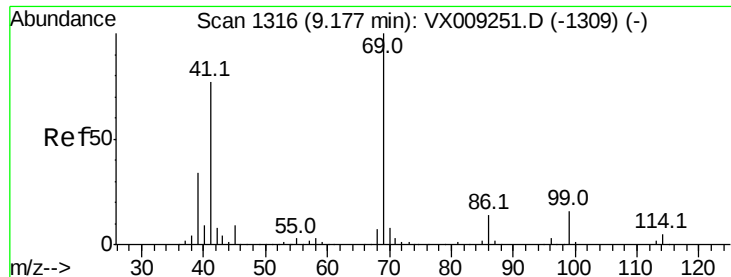
Tot Ion: 75 Resp: 9253
 Ion Ratio Lower Upper
 75 100
 77 27.9 26.0 39.0
 39 52.0 42.6 63.8



#50
 1,1,2-Trichloroethane
 Concen: 2.495 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 97 Resp: 5708
 Ion Ratio Lower Upper
 97 100
 83 93.6 68.8 103.2
 85 55.5 45.8 68.6
 99 56.6 50.0 75.0





#51

Ethyl methacrylate

Concen: 2.267 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

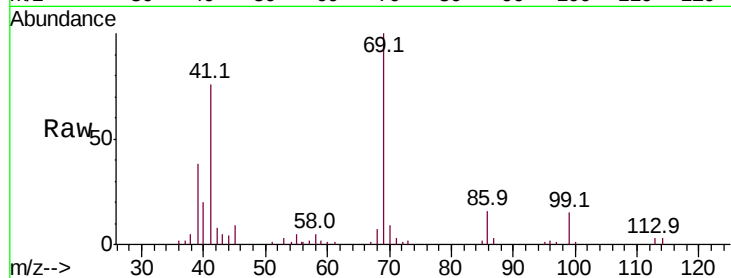
Tot Ion: 69 Resp: 9582

Ion Ratio Lower Upper

69 100

41 74.9 38.4 115.2

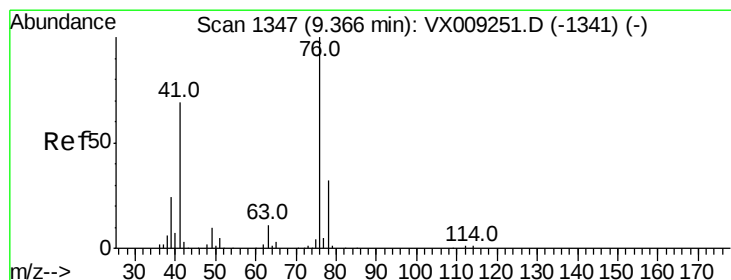
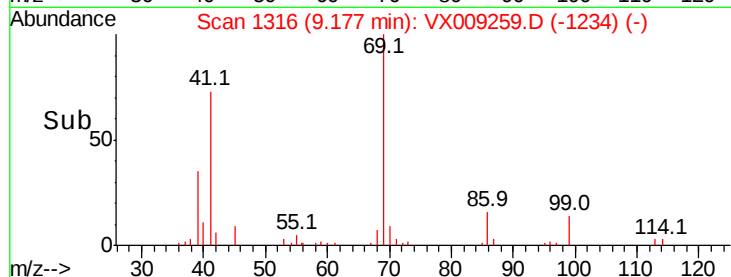
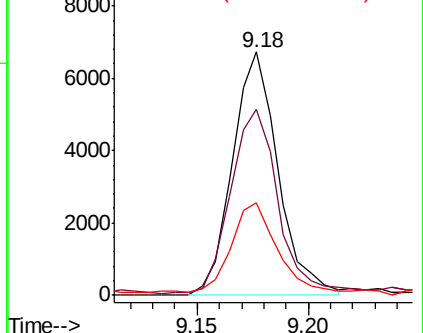
39 36.7 17.2 51.5



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: 2.575 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX009259.D

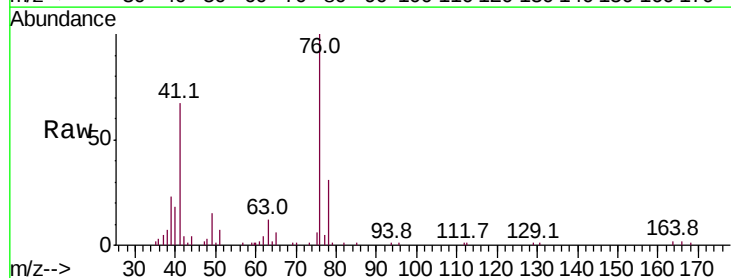
Acq: 01 May 2019 17:14

Tgt Ion: 76 Resp: 10455

Ion Ratio Lower Upper

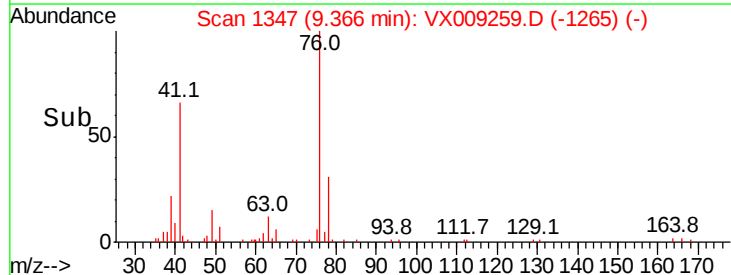
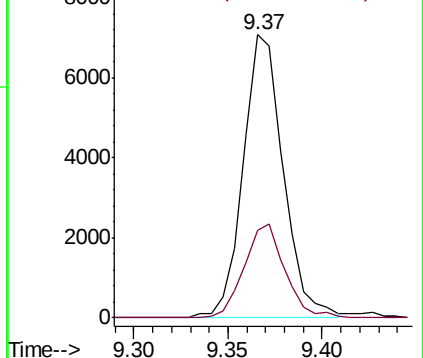
76 100

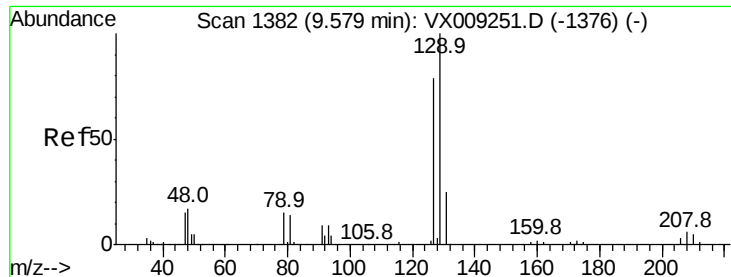
78 33.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

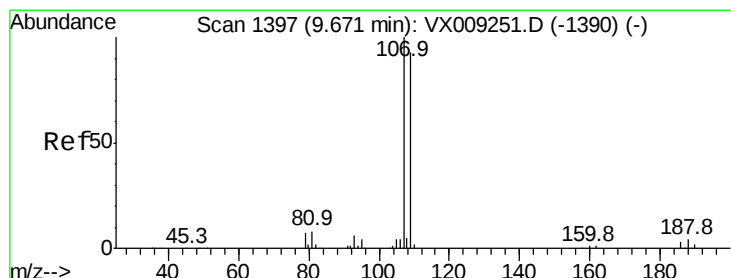
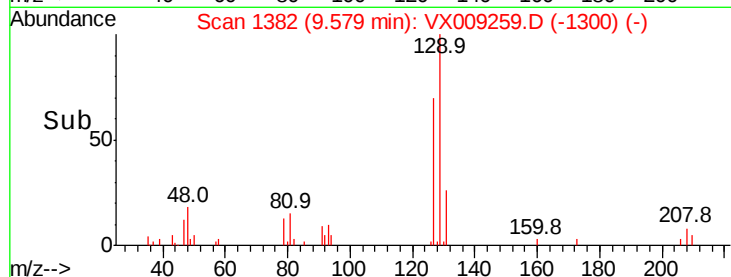
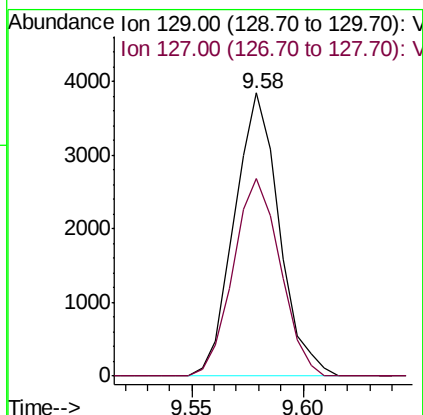
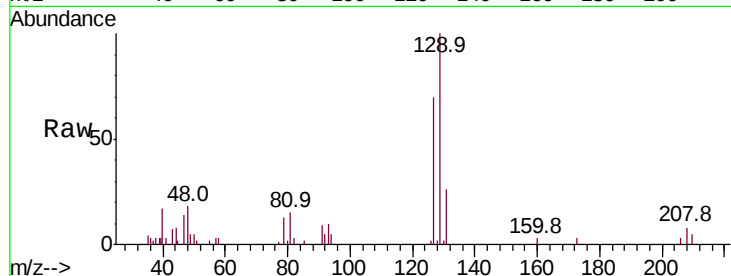




#53
 Dibromochloromethane
 Concen: 2.374 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

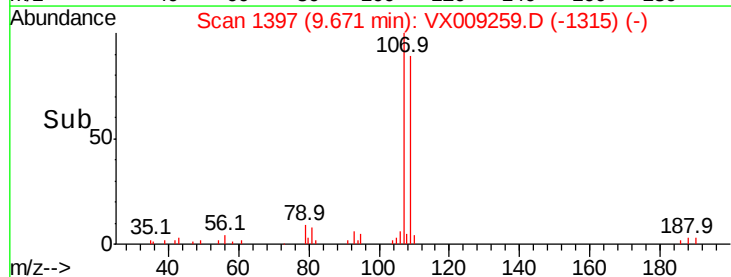
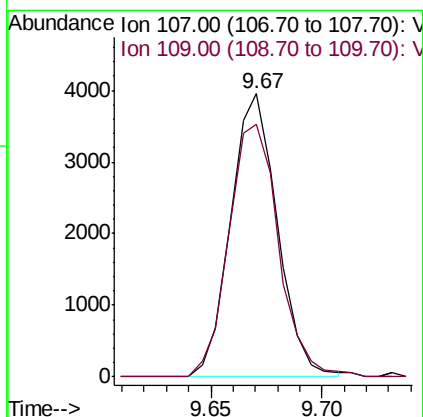
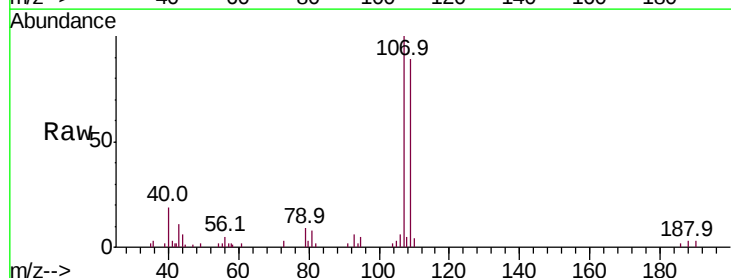
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

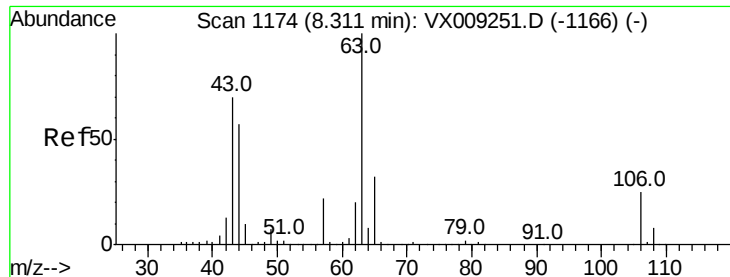
Tot Ion:129 Resp: 5409
 Ion Ratio Lower Upper
 129 100
 127 73.1 39.1 117.5



#54
 1,2-Dibromoethane
 Concen: 2.457 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion:107 Resp: 5766
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 12.103 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

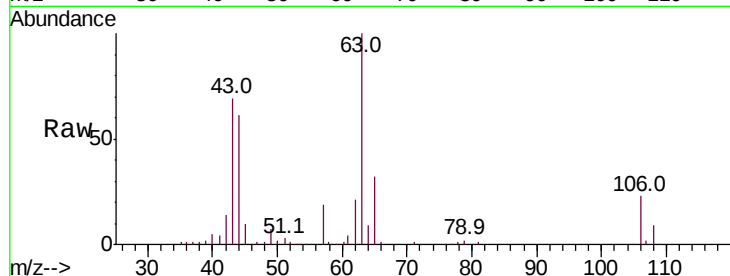
Tot Ion: 63 Resp: 27265

Ion Ratio Lower Upper

63 100

65 31.7 25.8 38.6

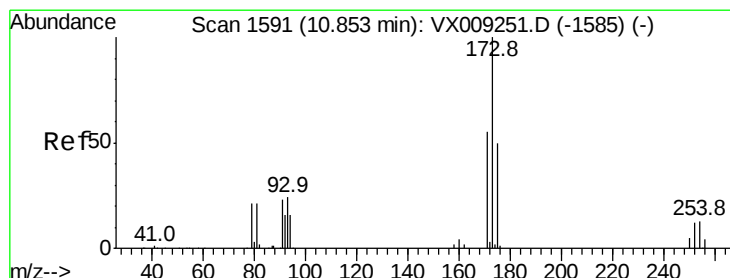
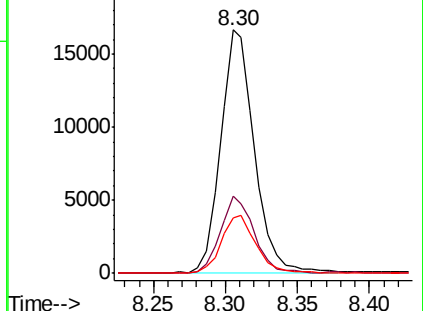
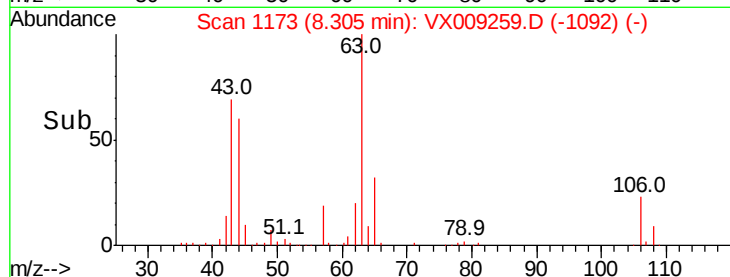
106 24.7 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V



#56

Bromoform

Concen: 2.179 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

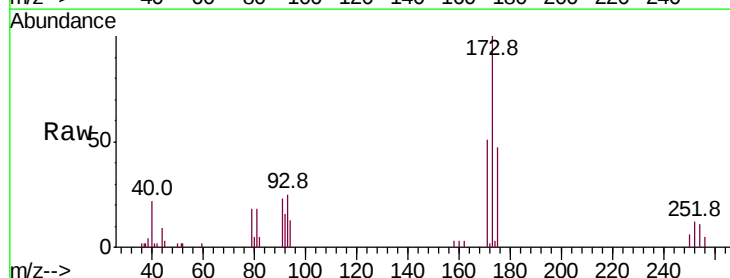
Tgt Ion:173 Resp: 3811

Ion Ratio Lower Upper

173 100

175 51.2 39.4 59.2

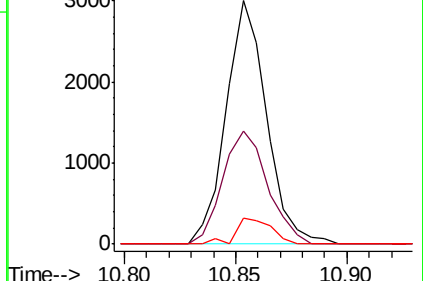
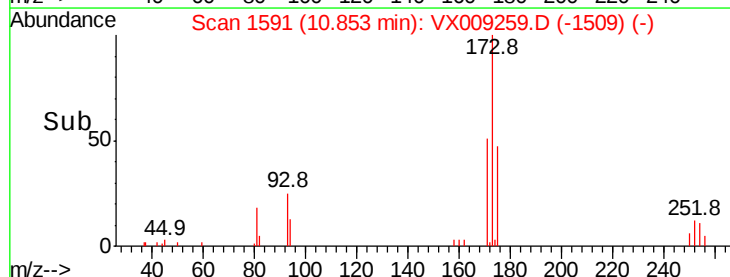
254 8.6 9.9 14.9#

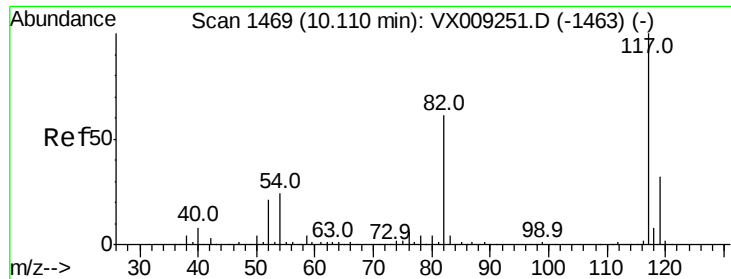


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

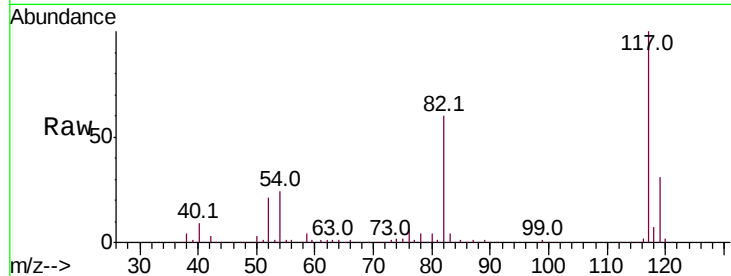




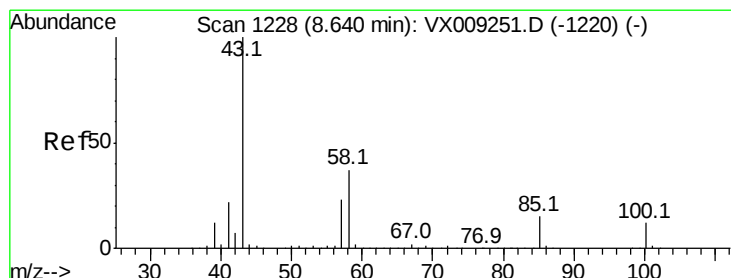
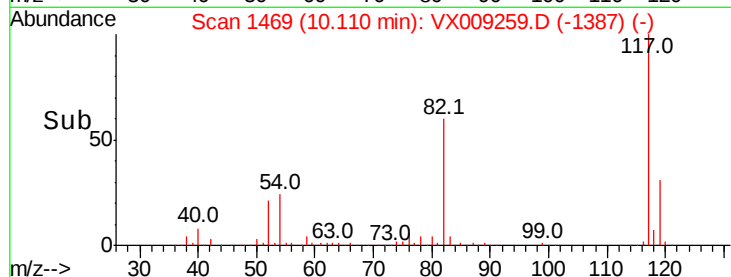
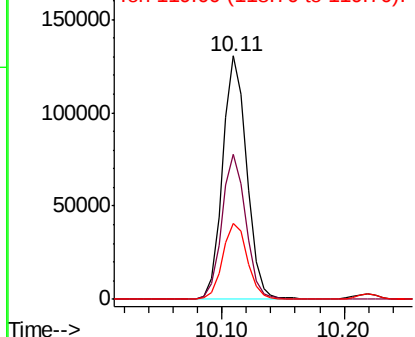
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:117 Resp: 177603
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.8
119 31.9 25.6 38.4

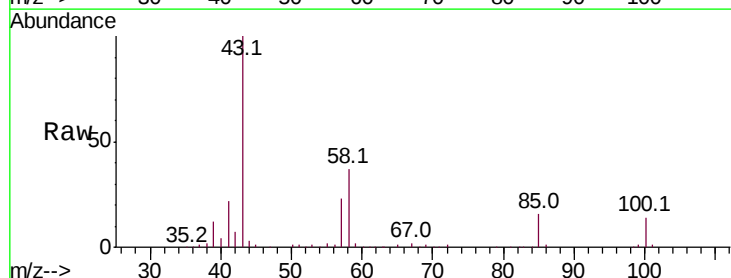


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

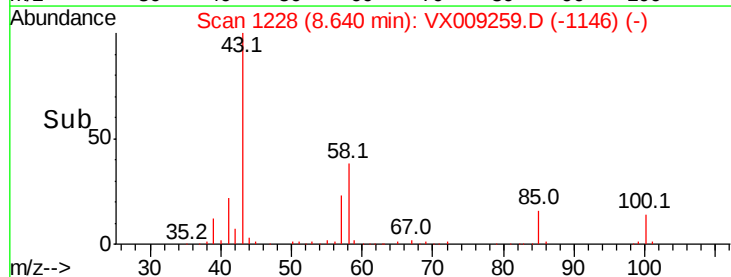
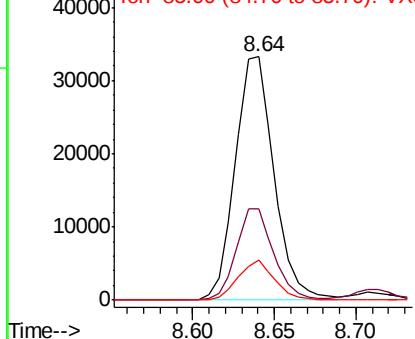


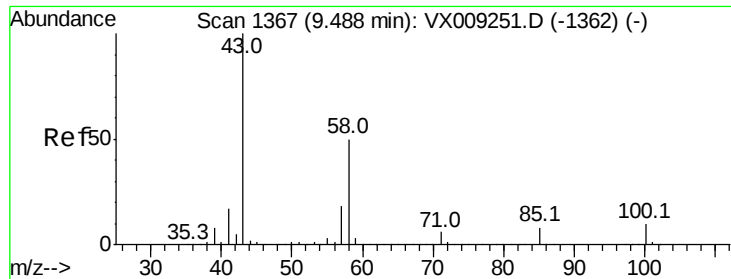
#58
4-Methyl-2-Pentanone
Concen: 12.563 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 43 Resp: 54865
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0
85 15.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

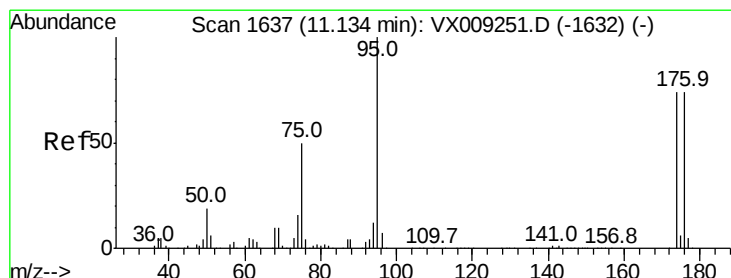
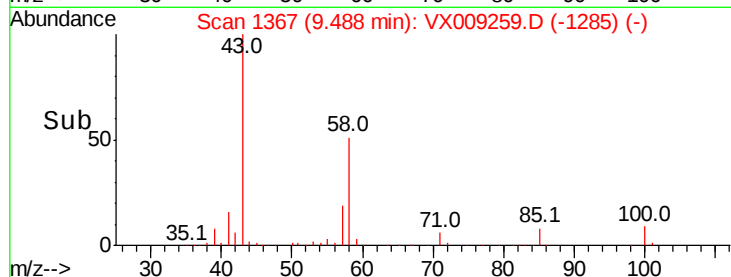
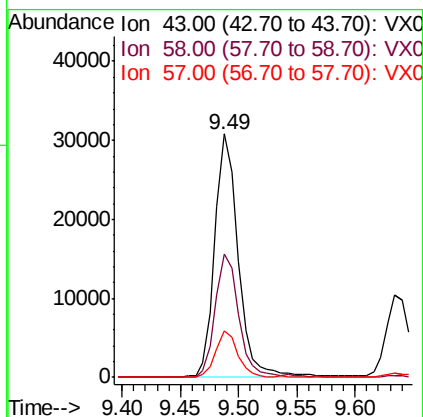
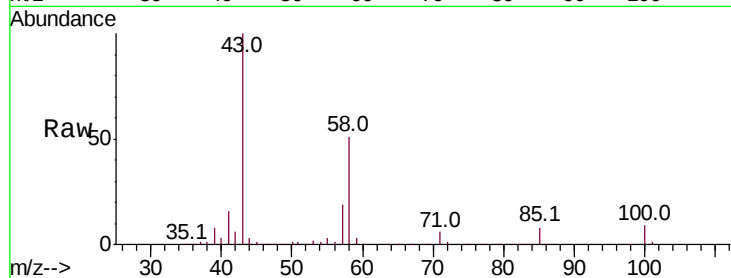




#59
2-Hexanone
Concen: 12.358 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

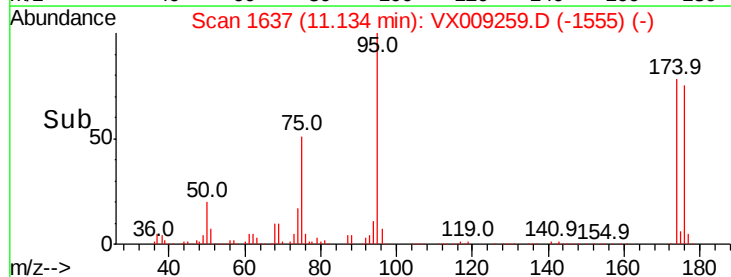
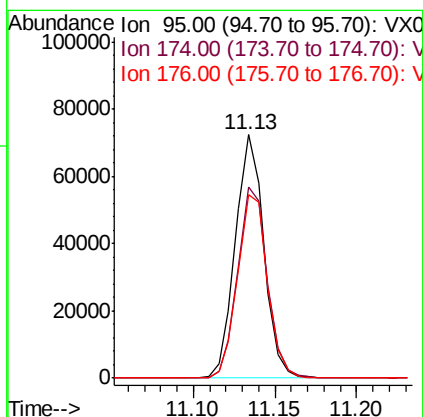
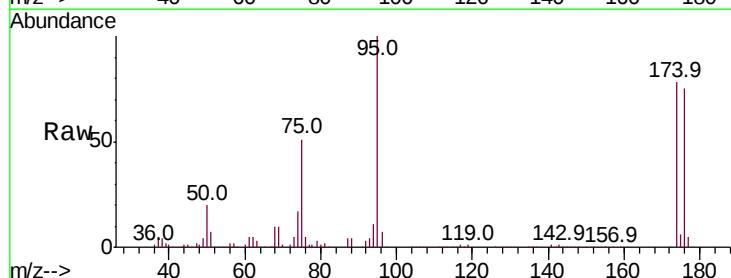
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

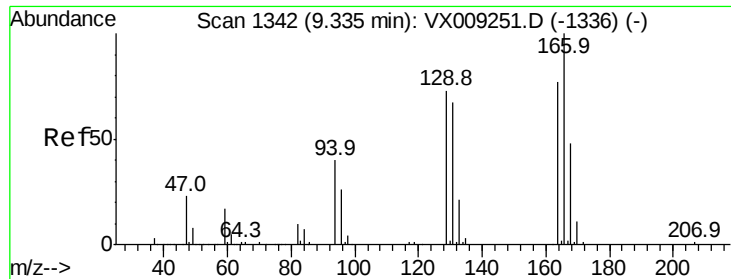
Tot Ion: 43 Resp: 42329
Ion Ratio Lower Upper
43 100
58 51.8 40.8 61.2
57 18.3 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.214 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 95 Resp: 88165
Ion Ratio Lower Upper
95 100
174 81.1 63.6 95.4
176 79.2 62.4 93.6





#61

Tetrachloroethene

Concen: 2.759 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:164 Resp: 5402

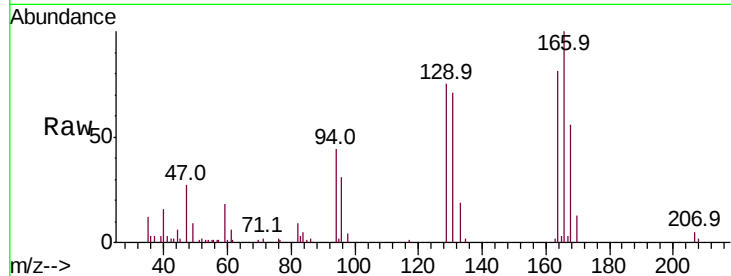
Ion Ratio Lower Upper

164 100

166 123.4 104.1 156.1

129 92.2 76.0 114.0

131 87.3 70.1 105.1

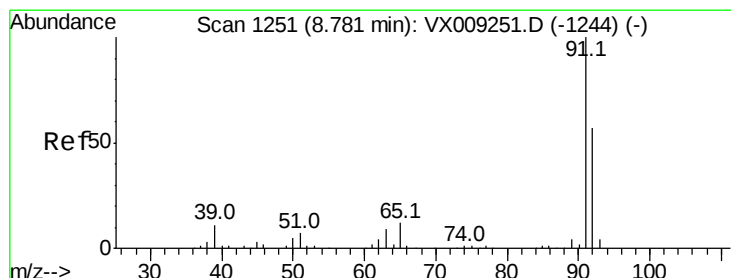
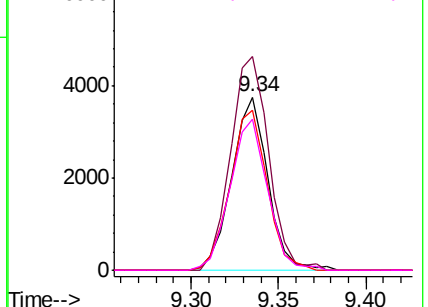
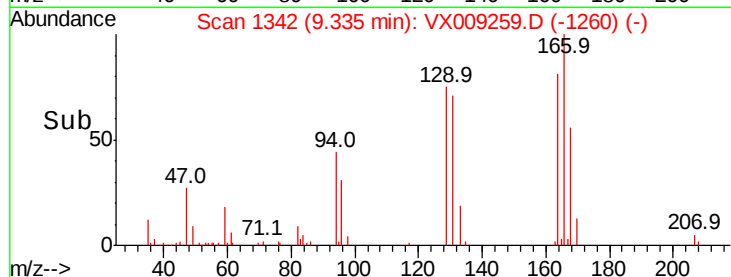


Abundance Ion 163.85 (163.55 to 164.55): V

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: 2.580 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009259.D

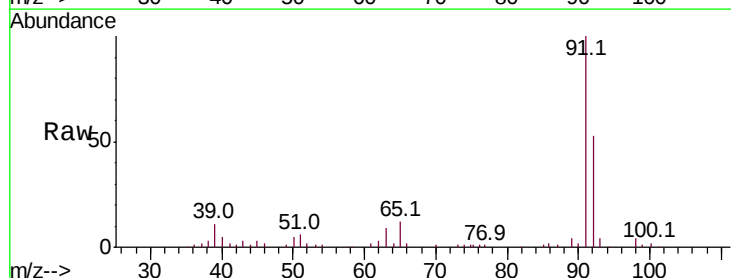
Acq: 01 May 2019 17:14

Tgt Ion: 91 Resp: 24486

Ion Ratio Lower Upper

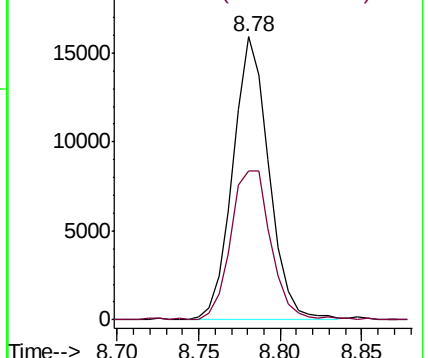
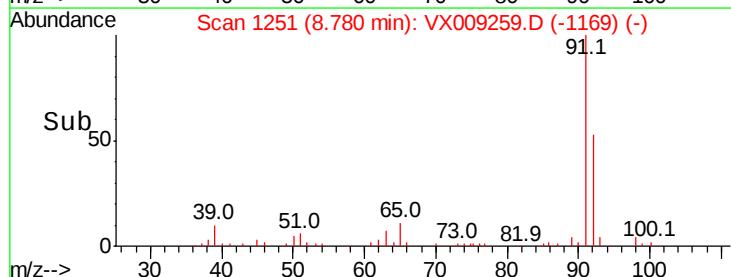
91 100

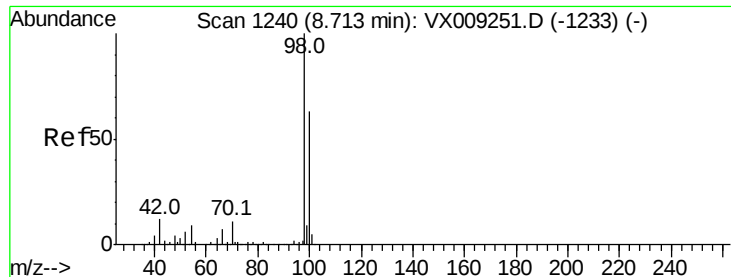
92 59.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

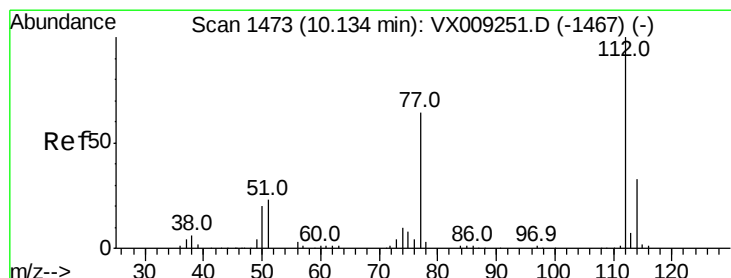
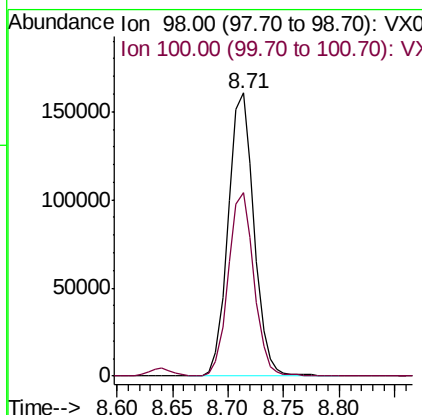
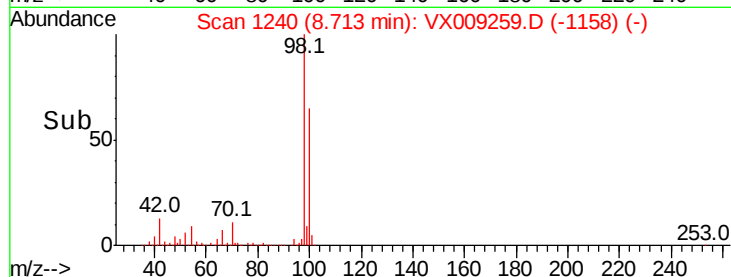
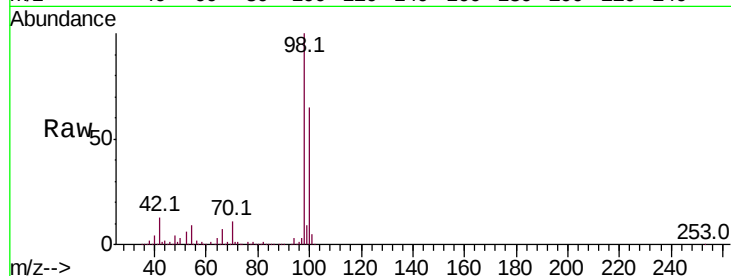




#63
Toluene-d8
Concen: 30.620 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

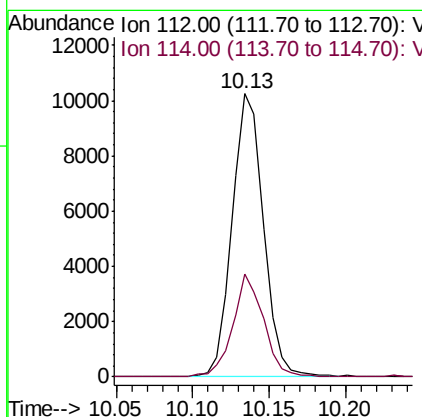
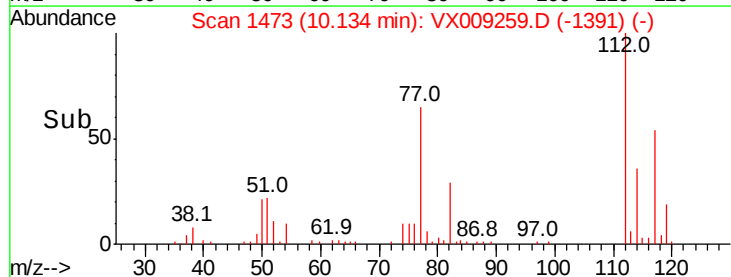
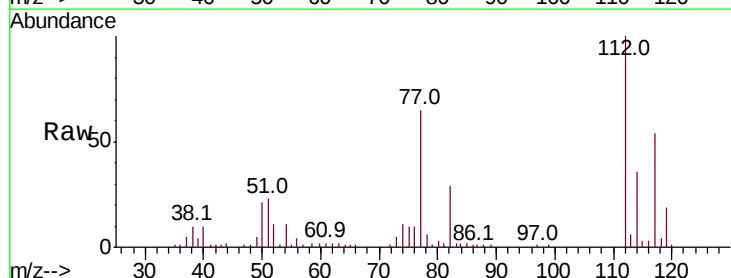
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

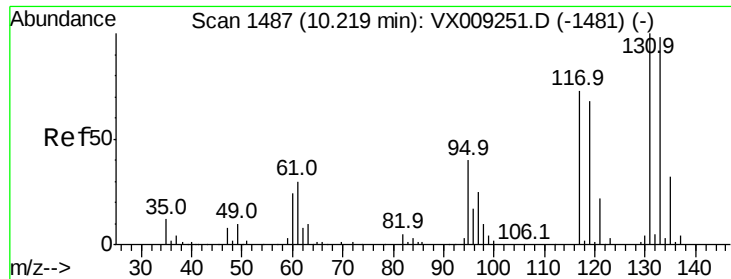
Tot Ion: 98 Resp: 257830
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#64
Chlorobenzene
Concen: 2.556 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 112 Resp: 14598
Ion Ratio Lower Upper
112 100
114 36.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.515 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

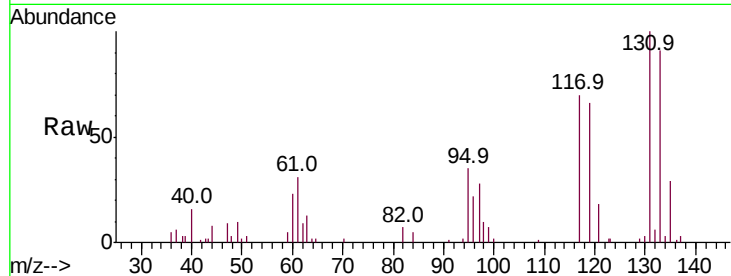
Tot Ion:131 Resp: 5260

Ion Ratio Lower Upper

131 100

133 94.0 0.0 191.2

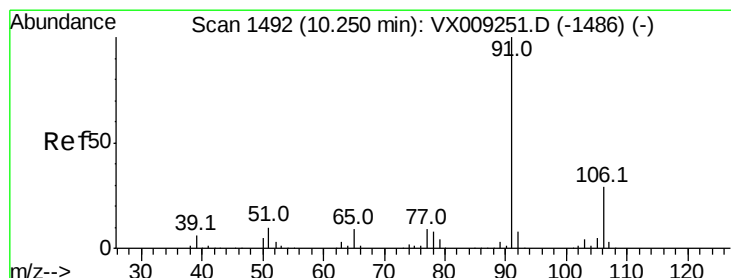
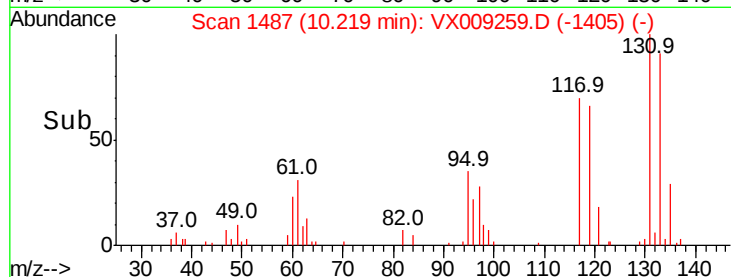
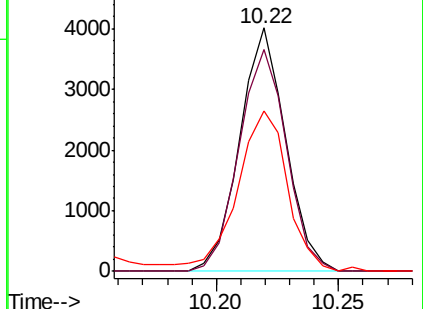
119 71.8 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.590 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009259.D

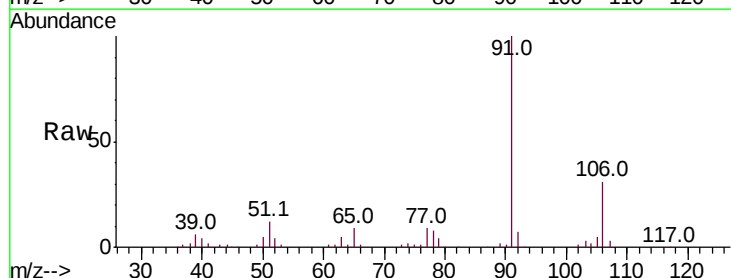
Acq: 01 May 2019 17:14

Tgt Ion: 91 Resp: 27380

Ion Ratio Lower Upper

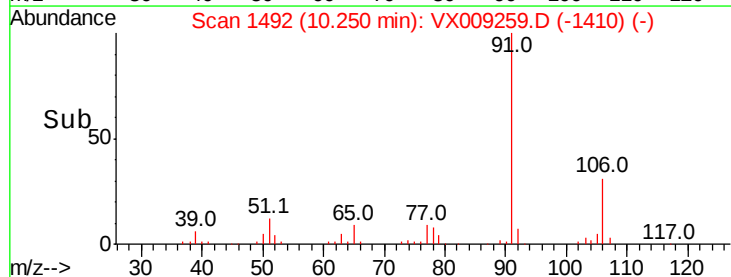
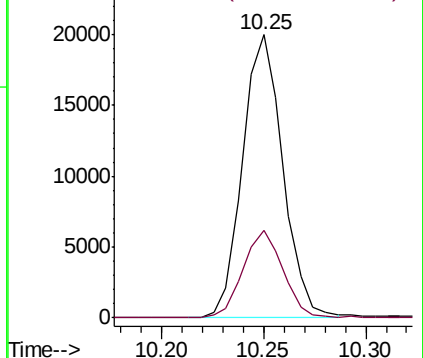
91 100

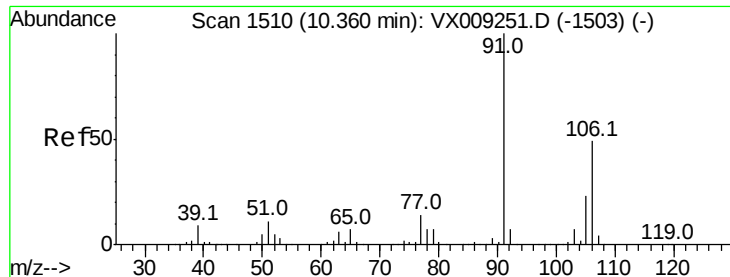
106 30.8 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 5.163 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

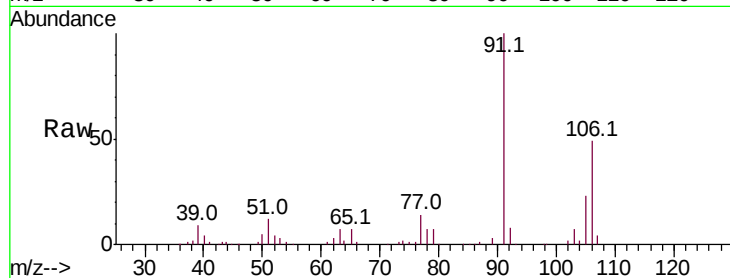
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 19930

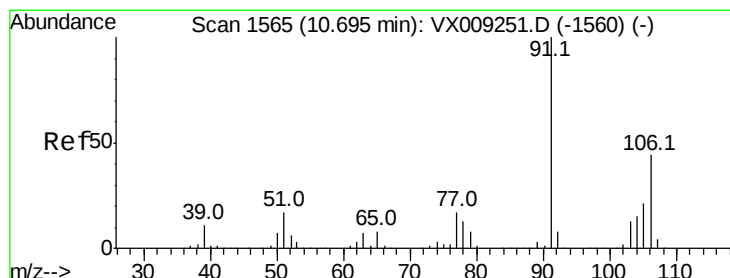
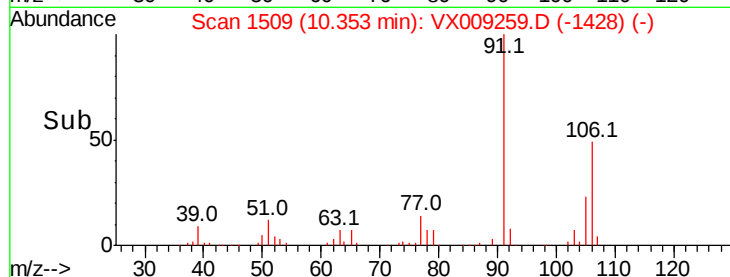
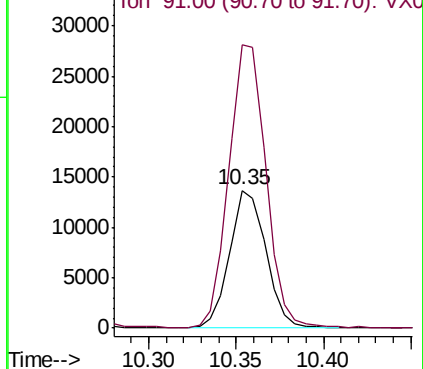
Ion Ratio Lower Upper

106 100

91 206.5 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V



#68

o-Xylene

Concen: 2.598 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009259.D

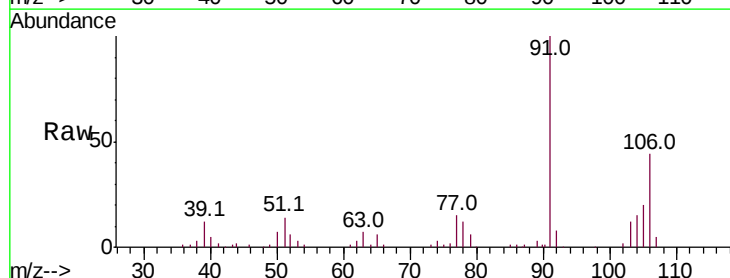
Acq: 01 May 2019 17:14

Tgt Ion:106 Resp: 9861

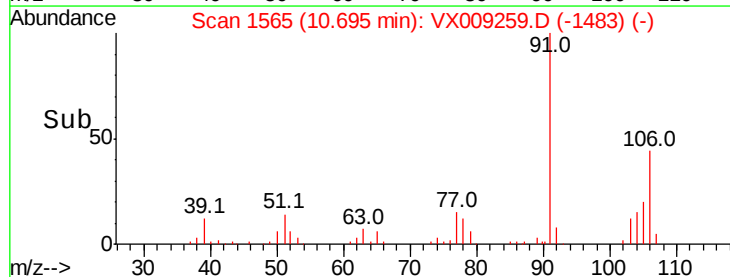
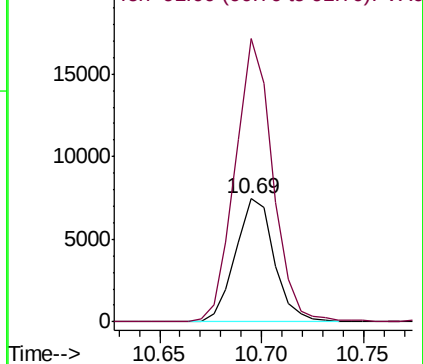
Ion Ratio Lower Upper

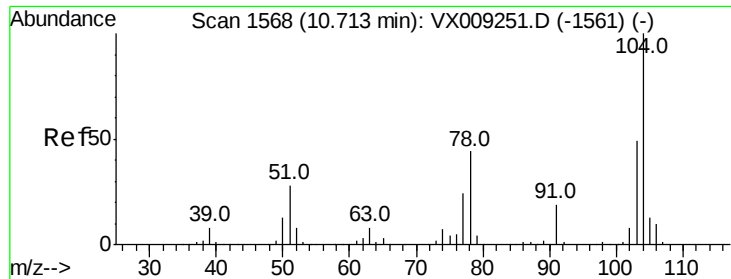
106 100

91 221.4 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

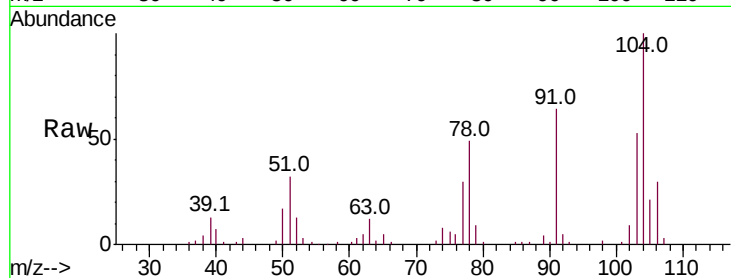




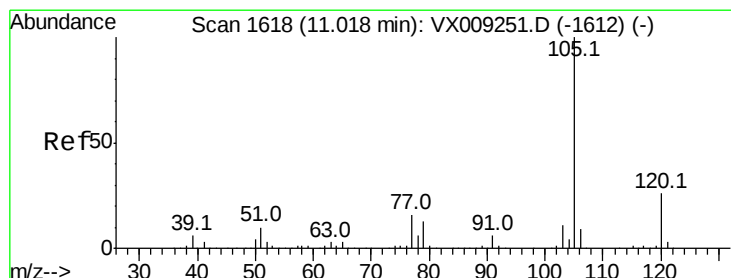
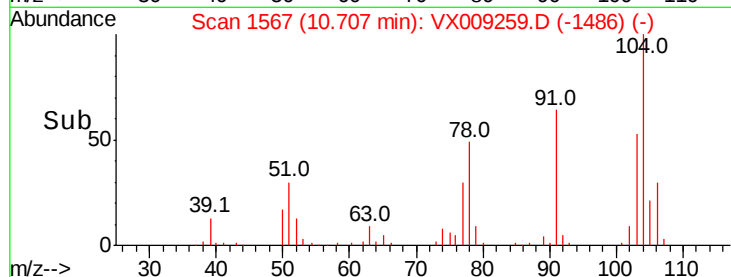
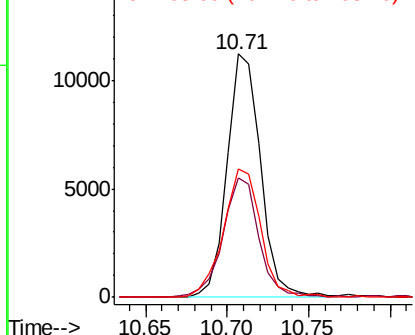
#69
Stvrene
Concen: 2.415 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:104 Resp: 16090
Ion Ratio Lower Upper
104 100
78 52.6 41.1 61.7
103 57.9 43.8 65.8

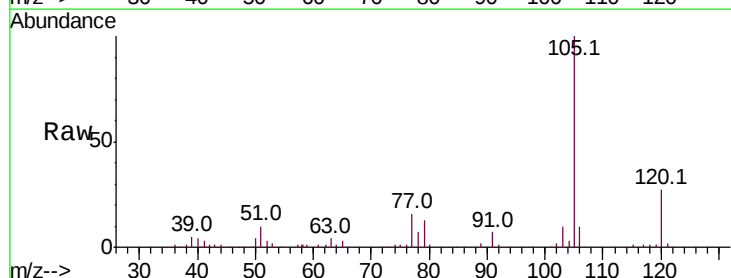


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

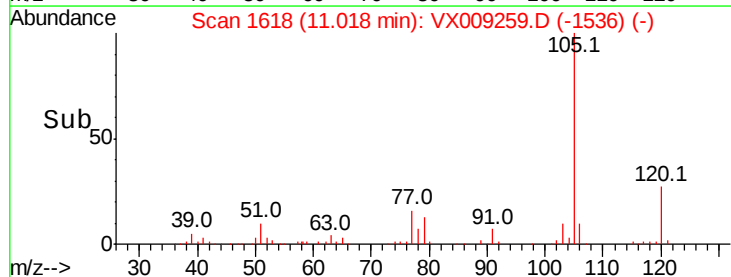
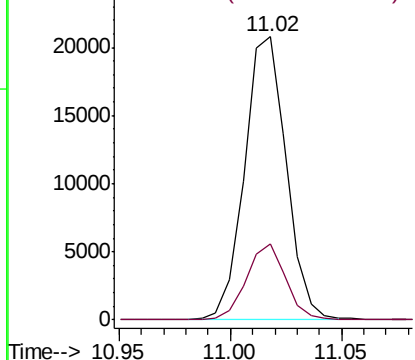


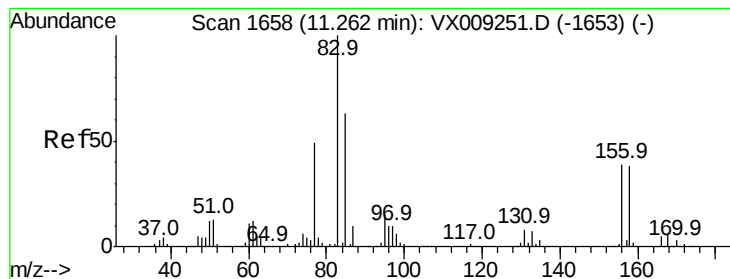
#70
Isopropylbenzene
Concen: 2.667 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion:105 Resp: 27221
Ion Ratio Lower Upper
105 100
120 25.1 18.1 33.7



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: 2.545 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

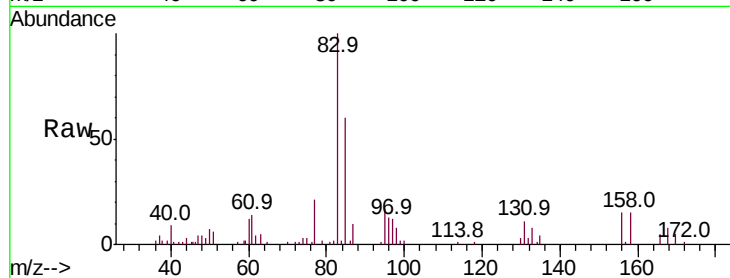
Tot Ion: 83 Resp: 9515

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.0

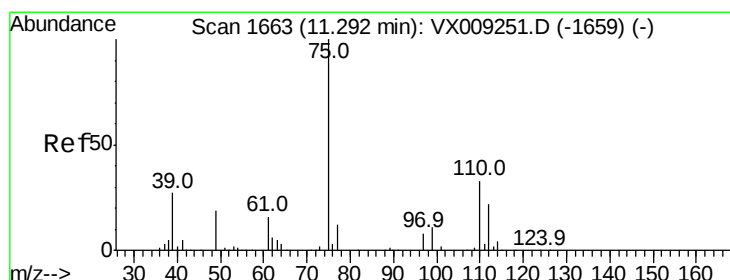
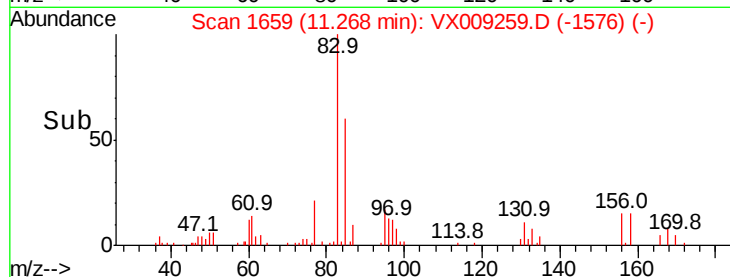
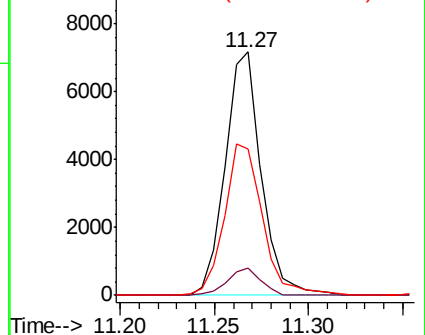
85 66.4 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 3.332 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009259.D

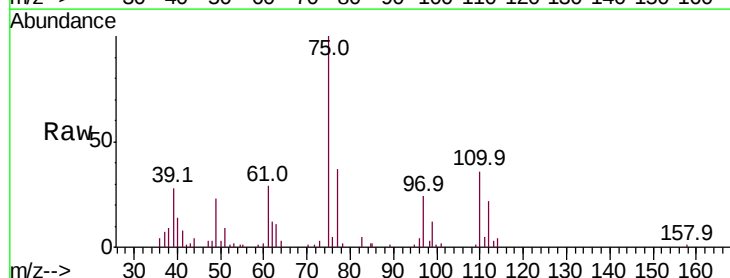
Acq: 01 May 2019 17:14

Tgt Ion: 75 Resp: 10733

Ion Ratio Lower Upper

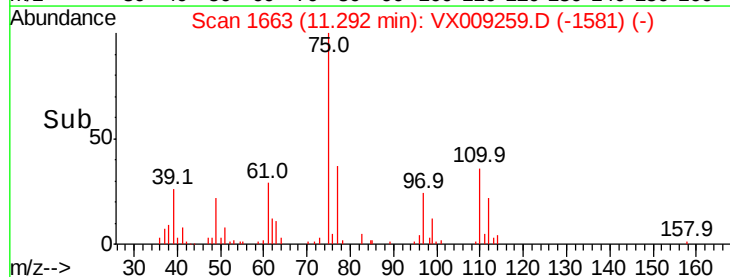
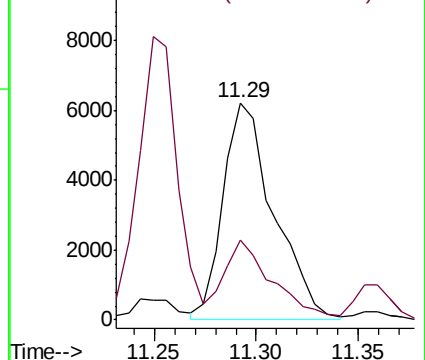
75 100

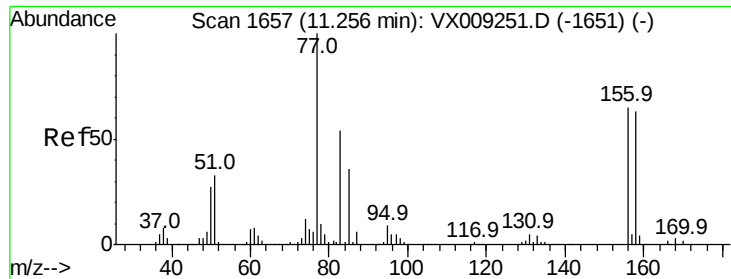
77 35.7 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 2.555 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

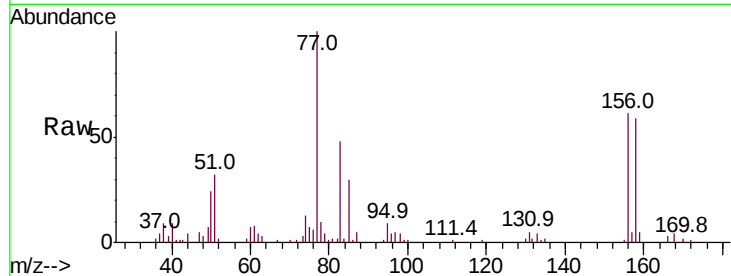
Tot Ion:156 Resp: 6444

Ion Ratio Lower Upper

156 100

77 167.6 0.0 335.6

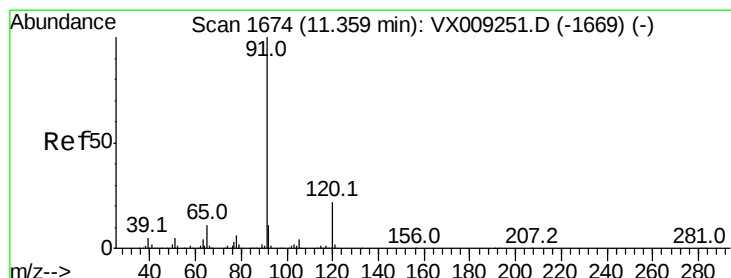
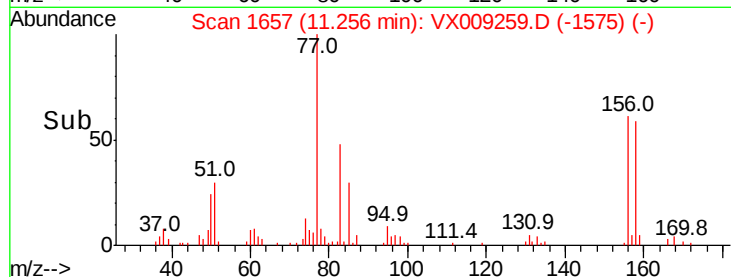
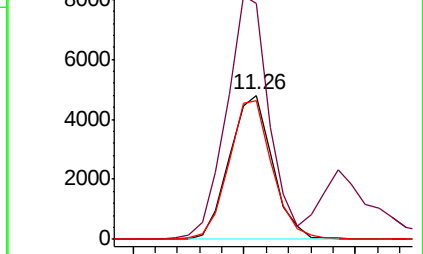
158 97.6 0.0 191.2



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: 2.524 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009259.D

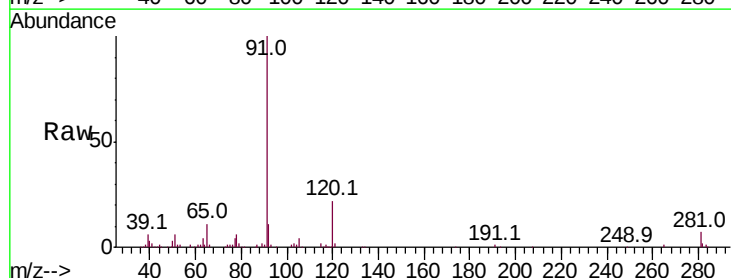
Acq: 01 May 2019 17:14

Tgt Ion: 91 Resp: 29854

Ion Ratio Lower Upper

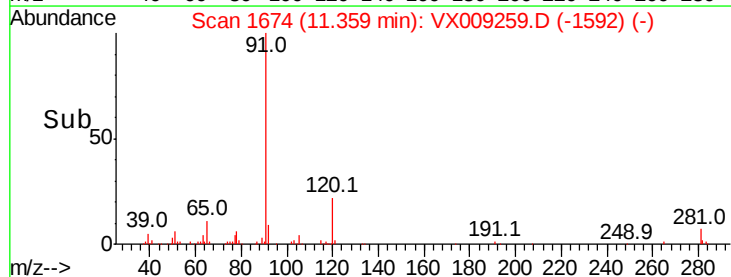
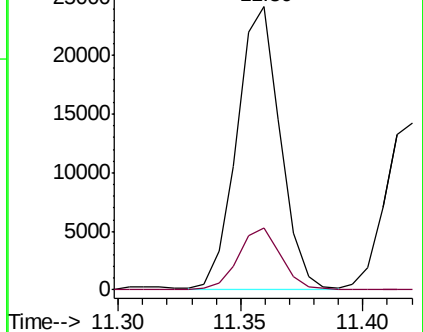
91 100

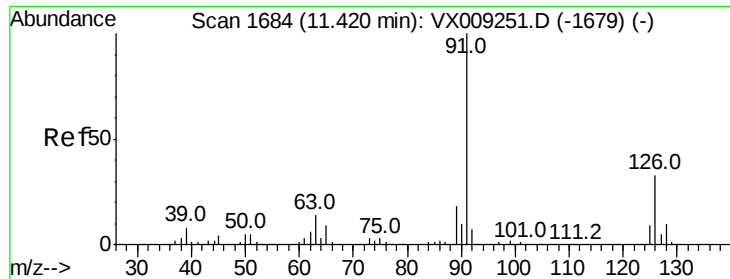
120 21.6 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.645 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

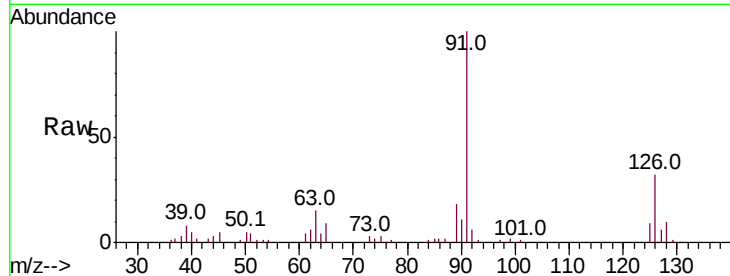
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 18767

Ion Ratio Lower Upper

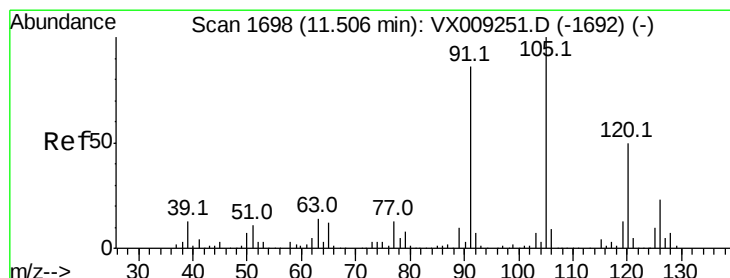
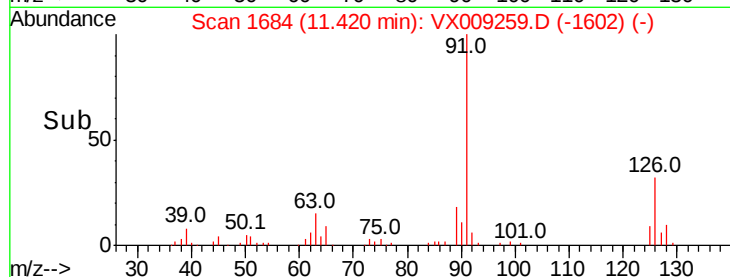
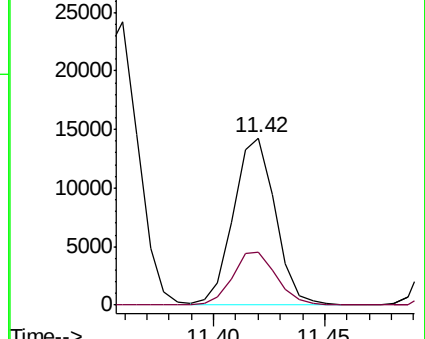
91 100

126 33.1 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 2.537 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009259.D

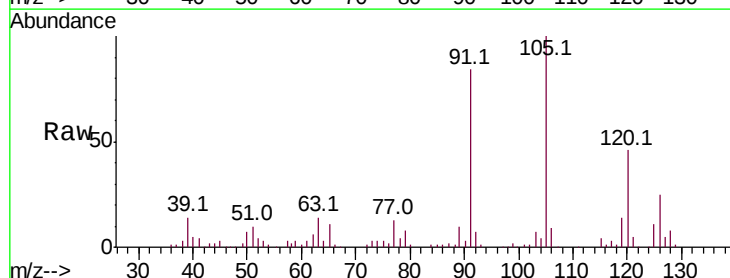
Acq: 01 May 2019 17:14

Tgt Ion:105 Resp: 21940

Ion Ratio Lower Upper

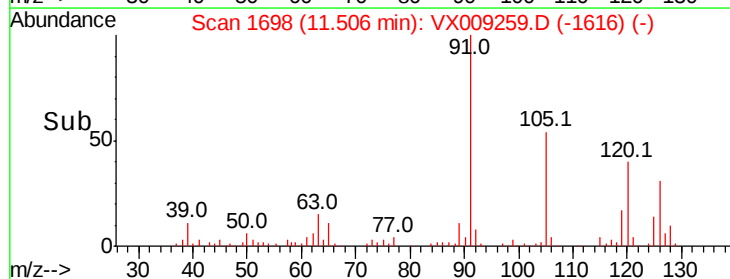
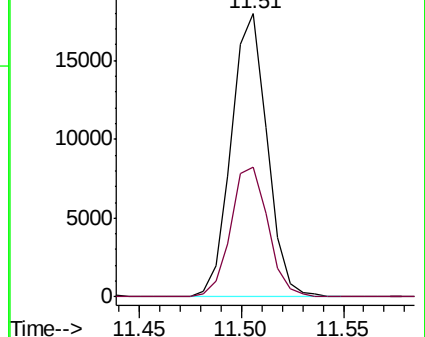
105 100

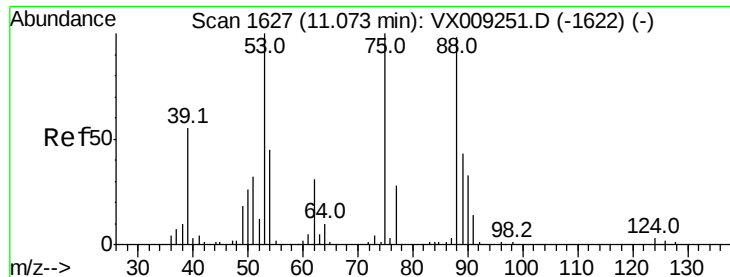
120 47.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 2.088 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

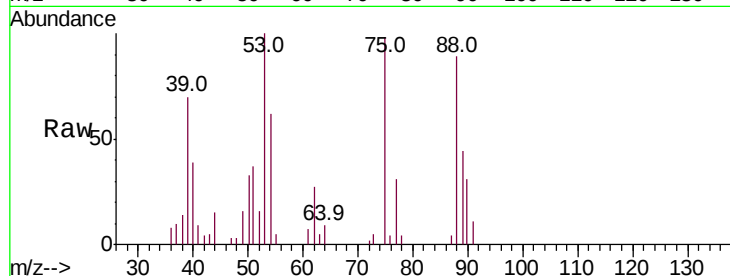
Tot Ion: 75 Resp: 2713

Ion Ratio Lower Upper

75 100

53 97.1 50.0 149.8

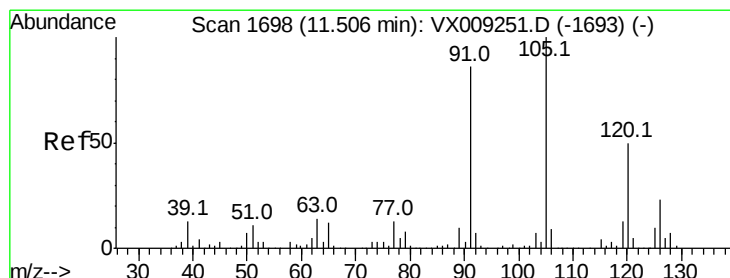
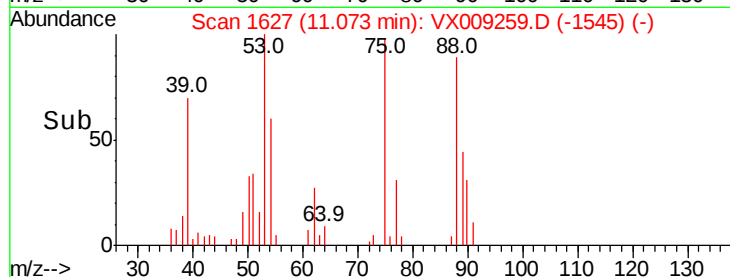
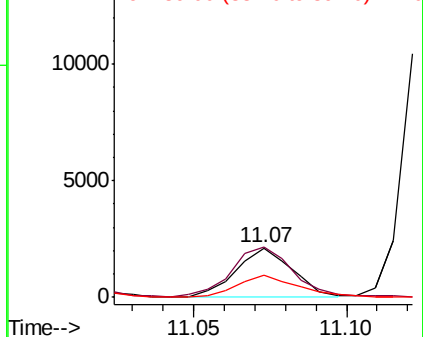
89 44.4 21.6 65.0



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: 2.552 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009259.D

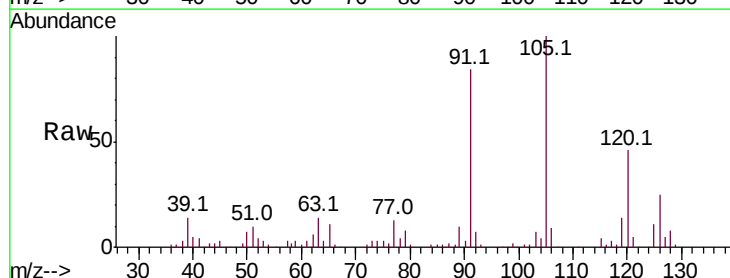
Acq: 01 May 2019 17:14

Tgt Ion: 91 Resp: 20566

Ion Ratio Lower Upper

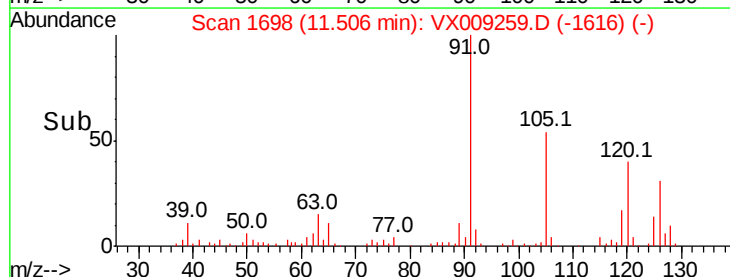
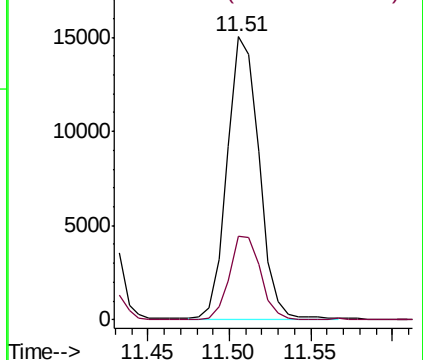
91 100

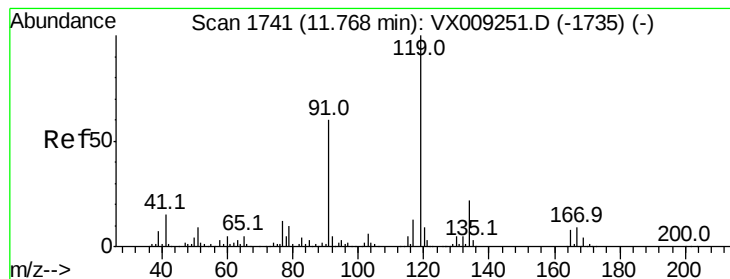
126 28.6 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 2.565 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

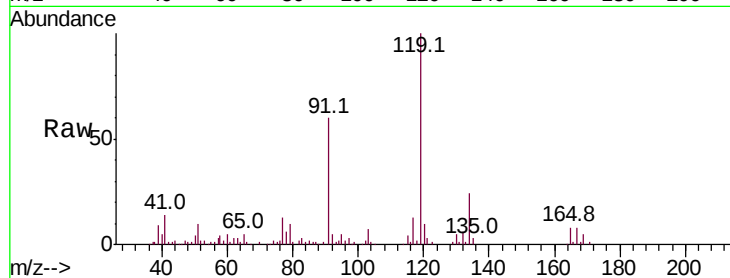
Tot Ion:119 Resp: 21442

Ion Ratio Lower Upper

119 100

91 58.2 0.0 118.2

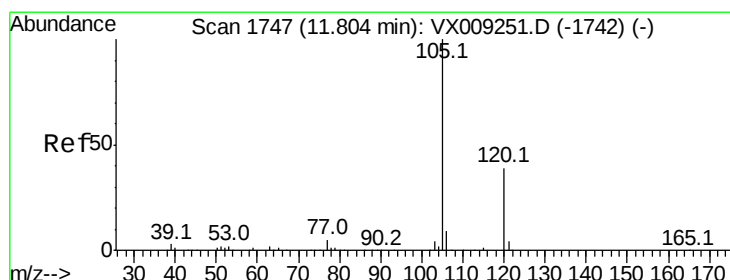
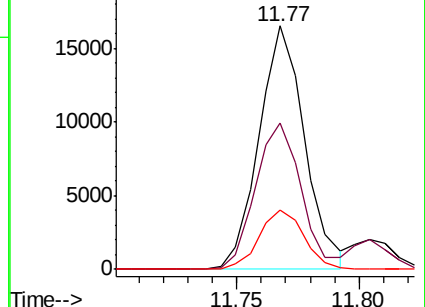
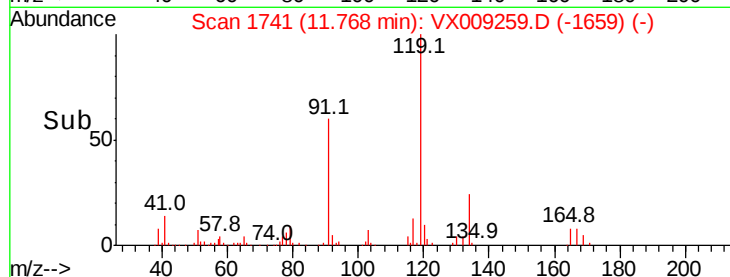
134 24.0 0.0 45.0



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: 2.498 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009259.D

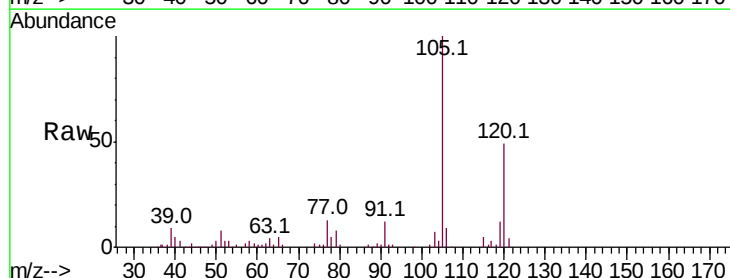
Acq: 01 May 2019 17:14

Tgt Ion:105 Resp: 21645

Ion Ratio Lower Upper

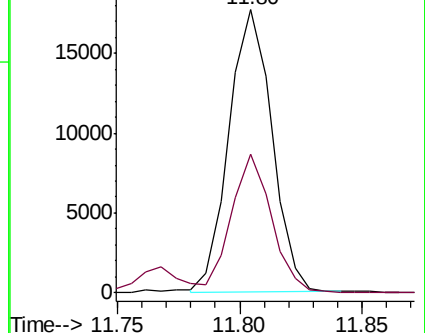
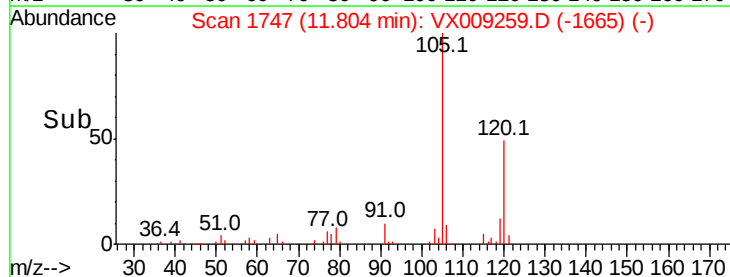
105 100

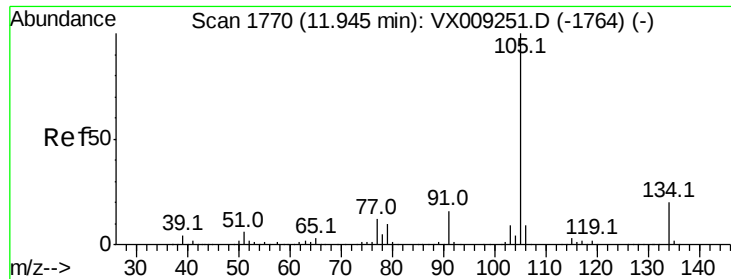
120 45.8 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 2.560 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

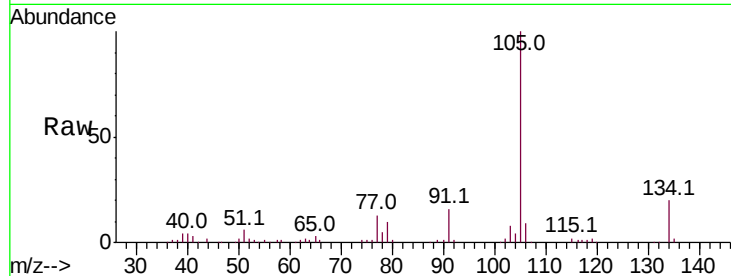
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 25419

Ion Ratio Lower Upper

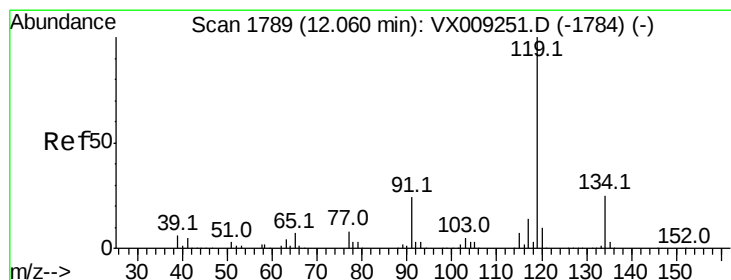
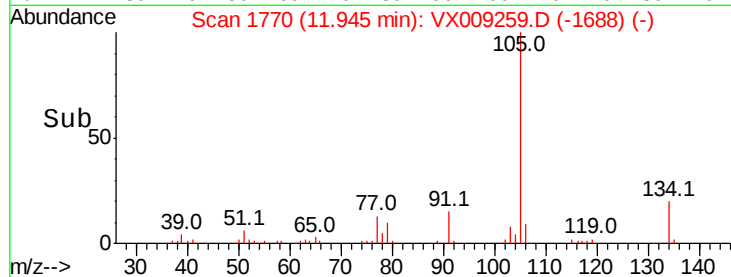
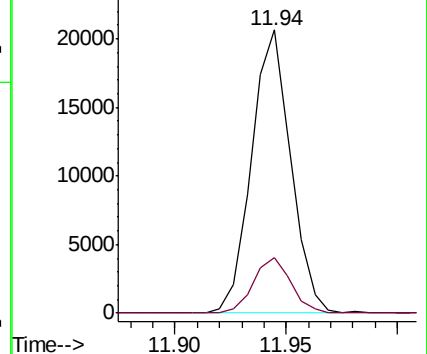
105 100

134 18.7 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.475 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

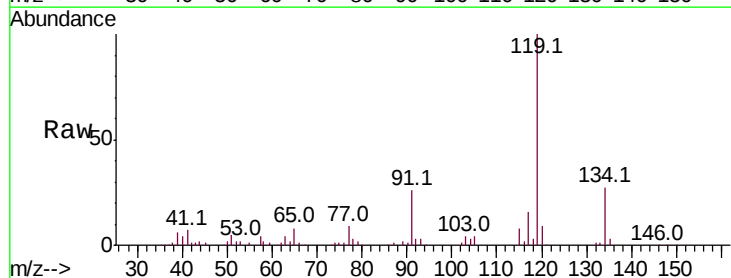
Tgt Ion:119 Resp: 22356

Ion Ratio Lower Upper

119 100

134 26.5 0.0 50.8

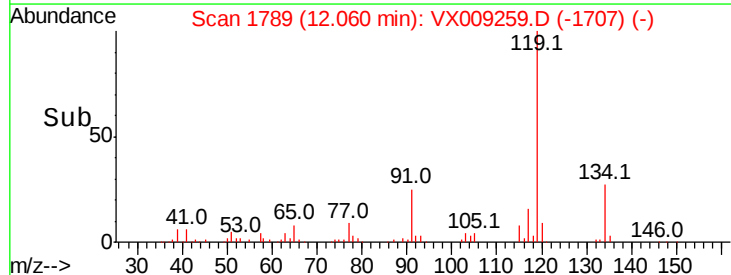
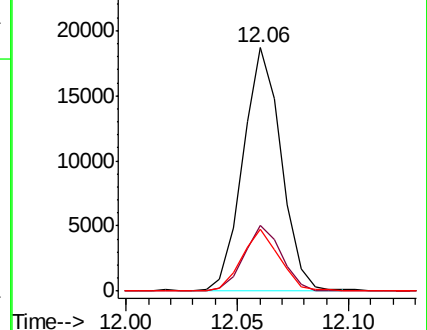
91 25.1 0.0 47.2

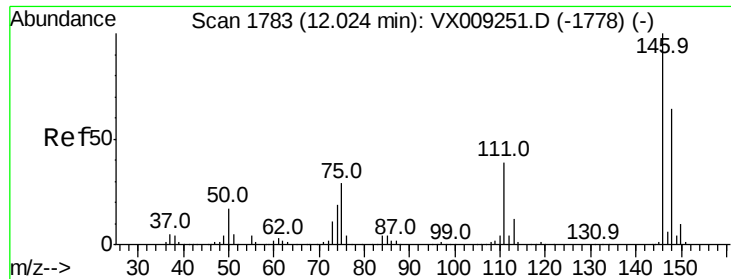


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

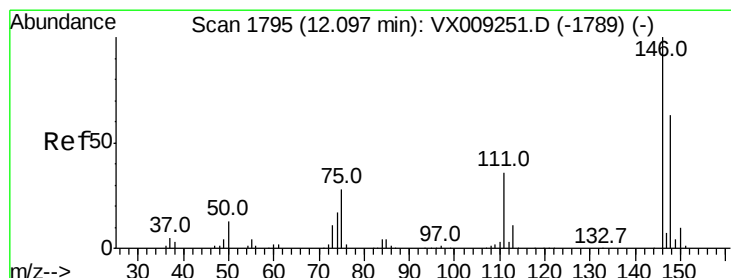
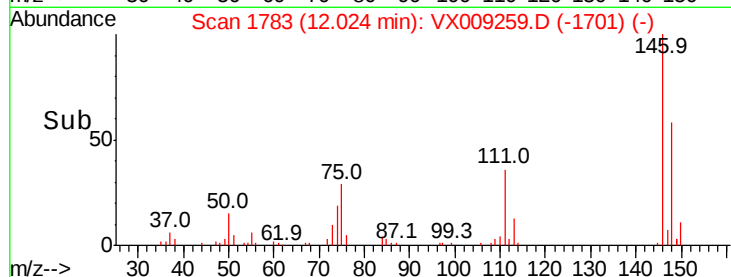
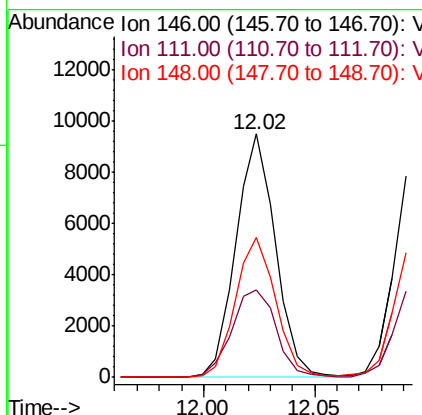
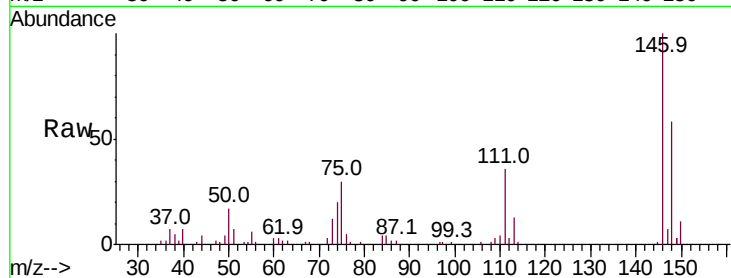




#83
 1,3-Dichlorobenzene
 Concen: 2.615 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

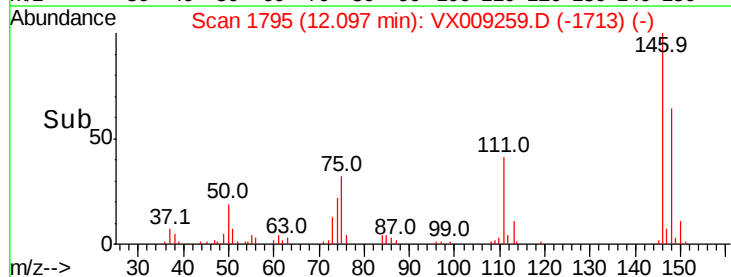
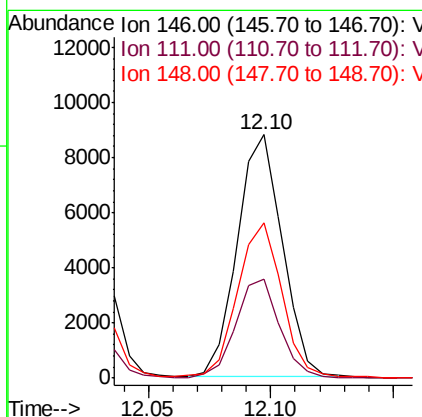
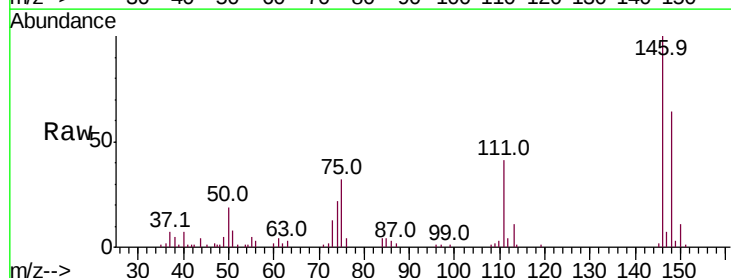
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

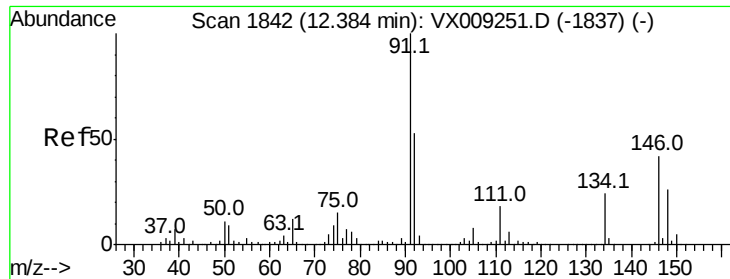
Tot Ion:146 Resp: 11780
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 58.7 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 2.494 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion:146 Resp: 11192
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.6 58.7
 148 64.3 32.3 96.8

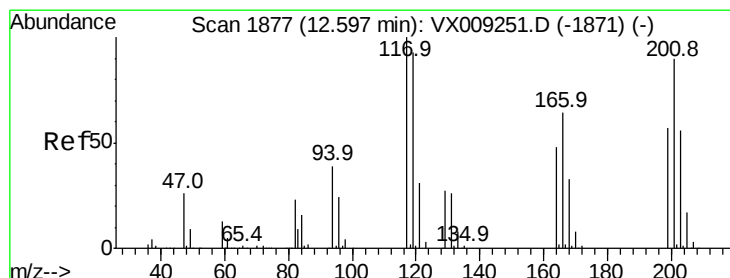
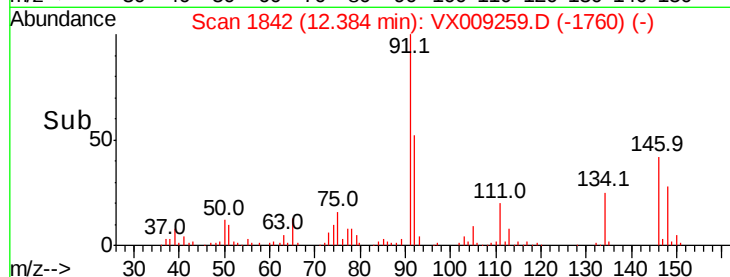
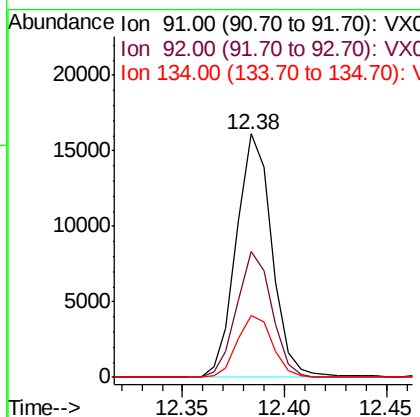
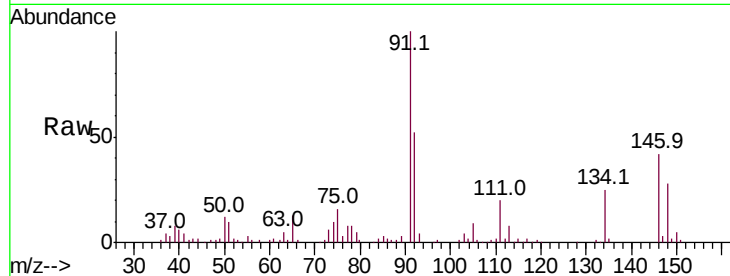




#85
n-Butylbenzene
Concen: 2.359 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

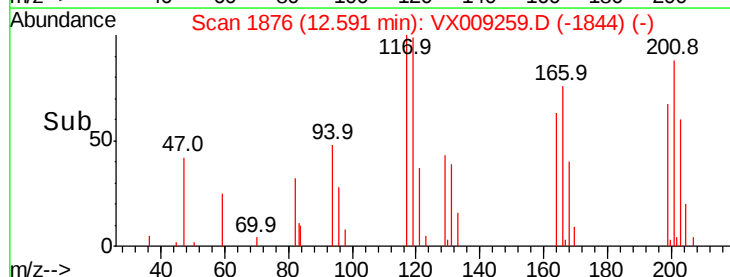
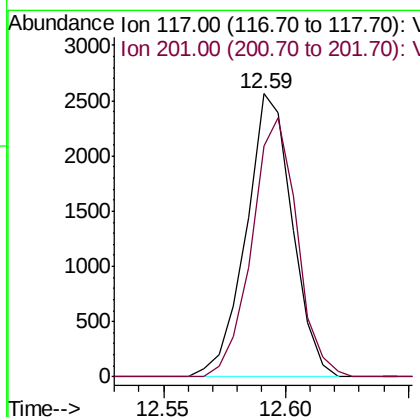
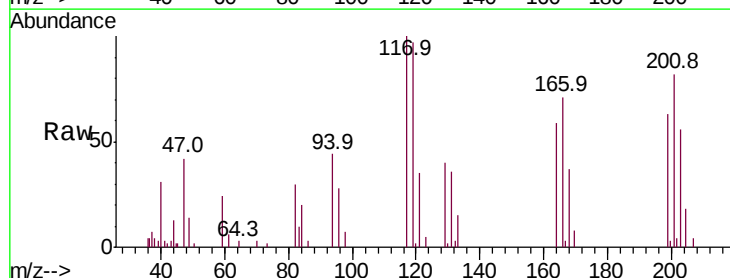
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

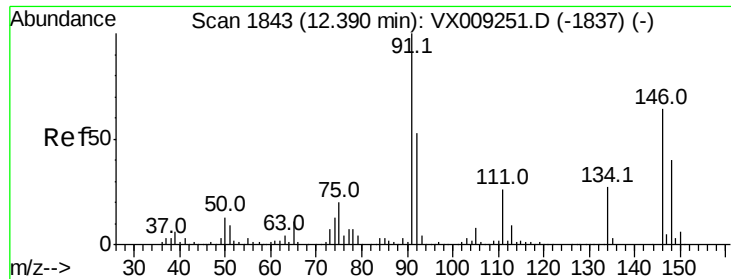
Tot Ion: 91 Resp: 19501
Ion Ratio Lower Upper
91 100
92 51.0 0.0 106.6
134 25.1 0.0 50.0



#86
Hexachloroethane
Concen: 2.200 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009259.D
Acq: 01 May 2019 17:14

Tgt Ion: 117 Resp: 3382
Ion Ratio Lower Upper
117 100
201 89.7 41.8 125.4

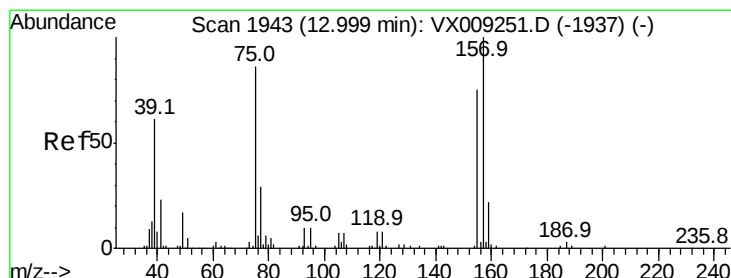
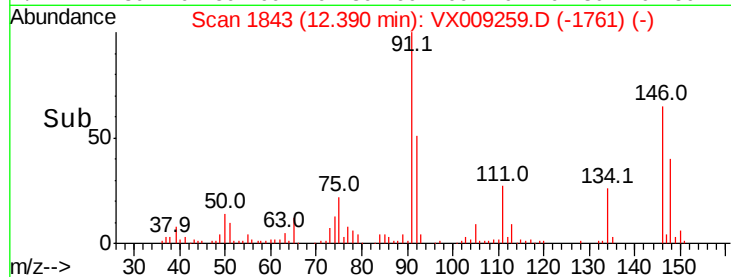
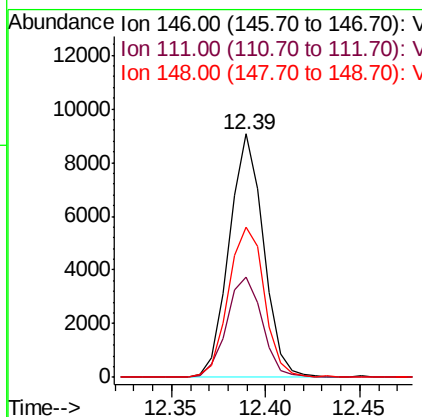
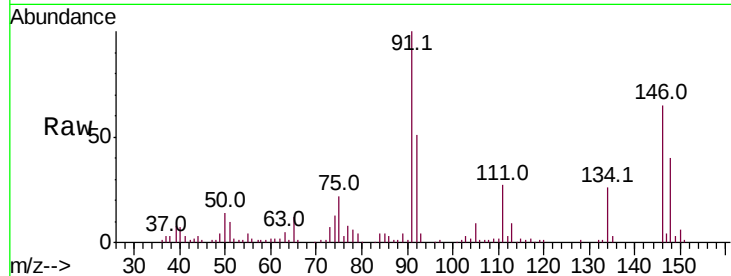




#87
 1,2-Dichlorobenzene
 Concen: 2.523 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

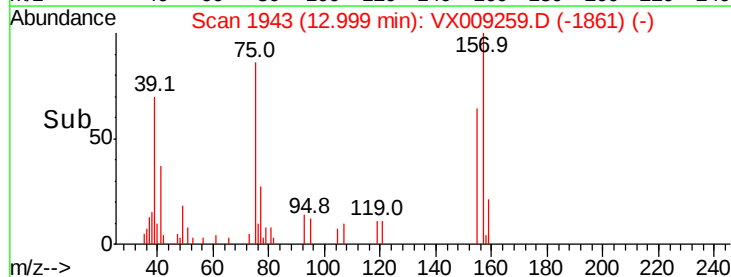
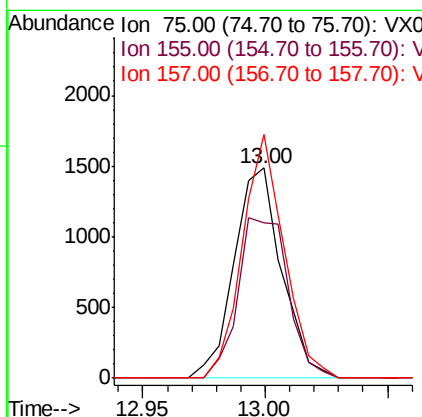
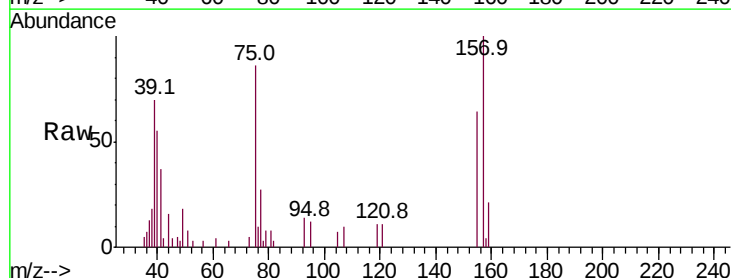
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

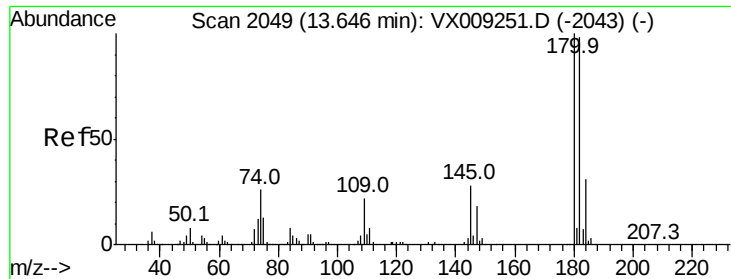
Tot Ion:146 Resp: 11440
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.8 62.2
 148 64.8 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.308 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion: 75 Resp: 2005
 Ion Ratio Lower Upper
 75 100
 155 80.4 65.9 98.9
 157 102.1 85.2 127.8

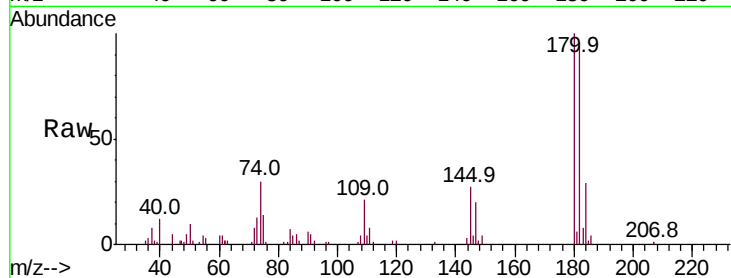




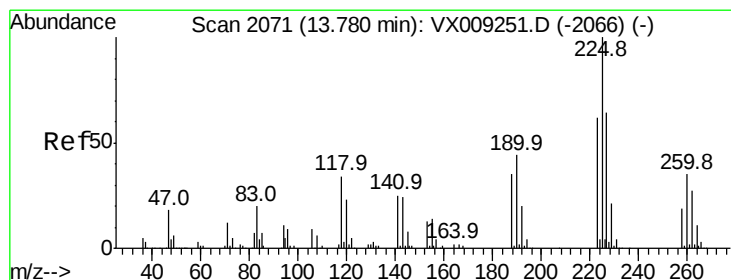
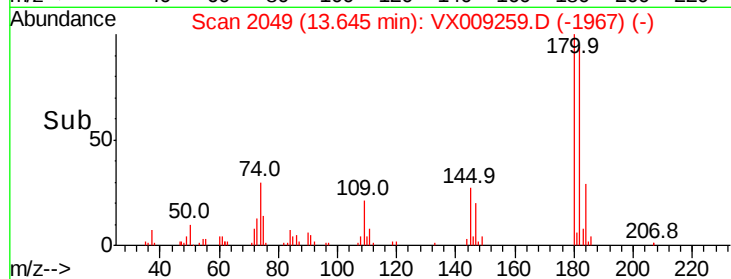
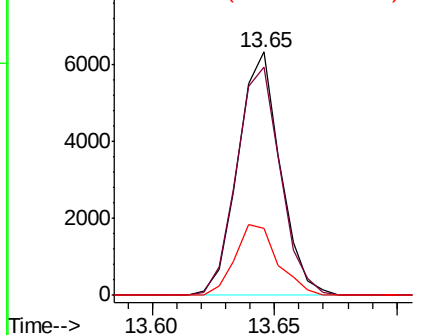
#89
 1,2,4-Trichlorobenzene
 Concen: 2.366 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:	180	Resp:	7647
Ion Ratio	Lower	Upper	
180	100		
182	97.2	76.9	115.3
145	29.1	23.0	34.6

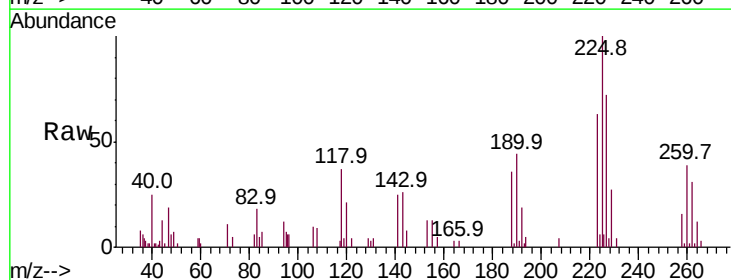


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

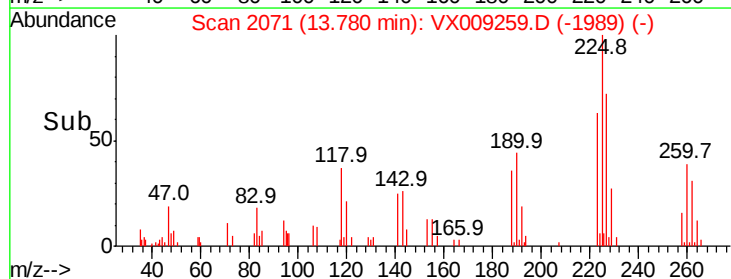
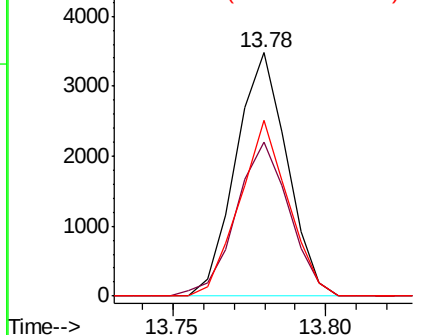


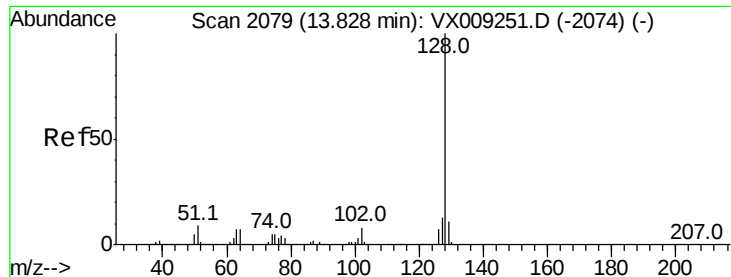
#90
 Hexachlorobutadiene
 Concen: 2.502 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009259.D
 Acq: 01 May 2019 17:14

Tgt Ion:	225	Resp:	4038
Ion Ratio	Lower	Upper	
225	100		
223	65.7	0.0	126.6
227	68.7	0.0	130.0



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: 2.279 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

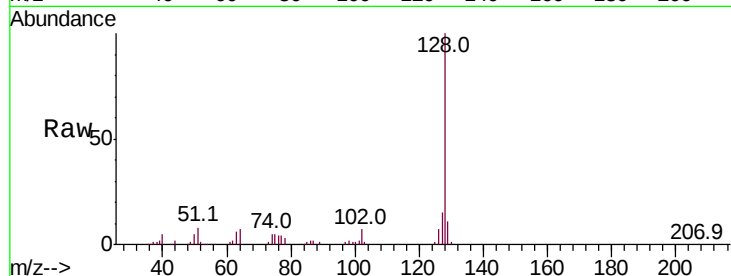
Tot Ion:128 Resp: 24115

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

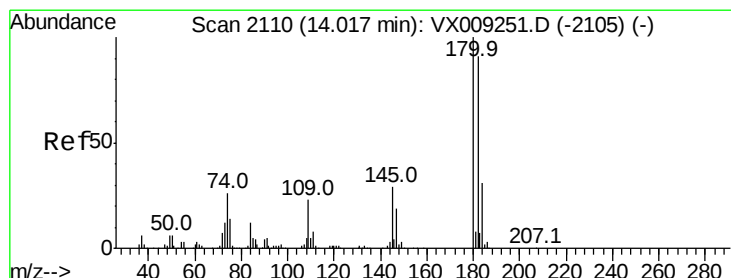
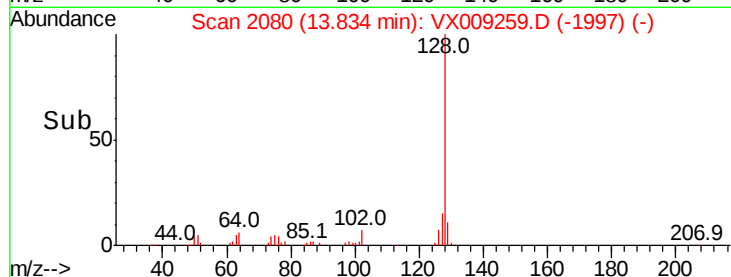
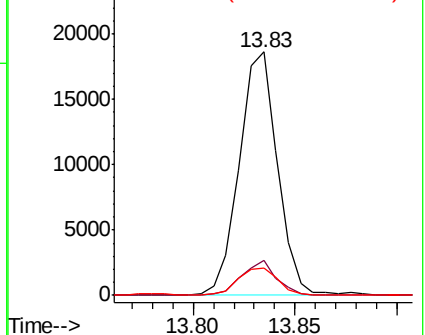
129 11.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 2.464 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009259.D

Acq: 01 May 2019 17:14

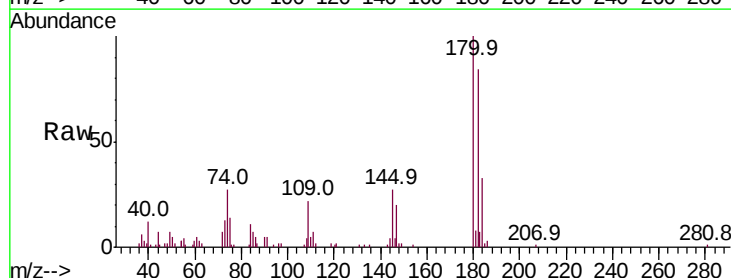
Tgt Ion:180 Resp: 8095

Ion Ratio Lower Upper

180 100

182 89.1 0.0 189.0

145 30.8 0.0 61.6



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

