

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027602.D
 Acq On : 11 Oct 2018 16:30
 Operator : MD/SY
 Sample : J5164-07 2.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 12 02:48:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	112634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	194096	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	92012	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.54%		
35) Dibromofluoromethane	4.89	113	67046	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.42%		
50) Toluene-d8	7.57	98	244406	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.96%		
62) 4-Bromofluorobenzene	10.31	95	82003	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	3326	2.715	ug/l	94
3) Chloromethane	1.33	50	5187	2.703	ug/l	99
4) Vinyl Chloride	1.40	62	5061	2.806	ug/l	100
5) Bromomethane	1.62	94	2633	2.689	ug/l	94
6) Chloroethane	1.70	64	3165	1.810	ug/l	93
7) Trichlorofluoromethane	1.88	101	5341	2.650	ug/l	98
8) Diethyl Ether	2.11	74	2576	2.833	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3265	2.771	ug/l	94
10) Methyl Iodide	2.41	142	1807	4.574	ug/l	96
11) Tert butyl alcohol	2.83	59	5469	12.870	ug/l #	93
12) 1,1-Dichloroethene	2.28	96	3314	2.867	ug/l	97
13) Acrolein	2.20	56	4203	12.467	ug/l	97
14) Allyl chloride	2.59	41	8198	2.924	ug/l #	87
15) Acrylonitrile	2.94	53	13847	13.707	ug/l	95
16) Acetone	2.32	43	14500	13.642	ug/l	96
17) Carbon Disulfide	2.48	76	10541	2.660	ug/l	98
18) Methyl Acetate	2.62	43	7123	2.680	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	11340	2.549	ug/l	95
20) Methylene Chloride	2.70	84	3865	2.569	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	3278	2.566	ug/l	95
22) Diisopropyl ether	3.58	45	13873	2.583	ug/l #	82
23) Vinyl Acetate	3.53	43	56706	12.482	ug/l	98
24) 1,1-Dichloroethane	3.45	63	7463	2.624	ug/l	100
25) 2-Butanone	4.28	43	19453	12.915	ug/l	100
26) 2,2-Dichloropropane	4.23	77	6055	2.657	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	3591	2.535	ug/l	95
28) Bromochloromethane	4.55	49	3570	2.545	ug/l #	96
29) Tetrahydrofuran	4.65	42	11982	12.685	ug/l	96
30) Chloroform	4.68	83	6600	2.611	ug/l	96
31) Cyclohexane	5.00	56	9122	2.175	ug/l #	65
32) 1,1,1-Trichloroethane	4.92	97	5484	2.572	ug/l	95
36) 1,1-Dichloropropene	5.14	75	4806	2.437	ug/l	100
37) Ethyl Acetate	4.40	43	6469	2.263	ug/l #	83
38) Carbon Tetrachloride	5.14	117	4742	2.609	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	5309	2.387	ug/l	95
40) Benzene	5.40	78	15230	2.554	ug/l	97
41) Methacrylonitrile	4.56	41	3656	2.900	ug/l	93
42) 1,2-Dichloroethane	5.41	62	5609	2.545	ug/l	95
43) Isopropyl Acetate	5.56	43	9953	2.431	ug/l	98
44) Trichloroethene	6.19	130	3220	2.447	ug/l	99
45) 1,2-Dichloropropane	6.44	63	4349	2.563	ug/l	98
46) Dibromomethane	6.57	93	2403	2.406	ug/l	85
47) Bromodichloromethane	6.76	83	5053	2.515	ug/l	99
48) Methyl methacrylate	6.63	41	4579	3.468	ug/l	97
49) 1,4-Dioxane	6.63	88	1772	45.239	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	32612	11.849	ug/l	98
52) Toluene	7.64	92	8946	2.623	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	5226	2.285	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	5851	2.351	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	3484	2.475	ug/l	94
56) Ethyl methacrylate	8.02	69	5034	4.031	ug/l	99
57) 1,3-Dichloropropane	8.24	76	6907	2.583	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	14944	15.682	ug/l	100
59) 2-Hexanone	8.37	43	24003	11.180	ug/l	98
60) Dibromochloromethane	8.48	129	3413	2.426	ug/l	99
61) 1,2-Dibromoethane	8.59	107	3582	2.417	ug/l	98
64) Tetrachloroethene	8.23	164	2662	2.455	ug/l	96
65) Chlorobenzene	9.12	112	9035	2.495	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	3376	2.727	ug/l	97
67) Ethyl Benzene	9.25	91	15090	2.429	ug/l	96
68) m/p-Xylenes	9.38	106	10184	4.490	ug/l	96
69) o-Xylene	9.78	106	5217	2.366	ug/l	99
70) Styrene	9.80	104	7636	3.087	ug/l	97
71) Bromoform	9.96	173	2512	2.440	ug/l #	95
73) Isopropylbenzene	10.17	105	13126	2.534	ug/l	97
74) N-amyl acetate	10.02	43	7076	2.316	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	6328	2.840	ug/l	95
76) 1,2,3-Trichloropropane	10.22	75	1600	0.725	ug/l	81
77) Bromobenzene	10.46	156	3602	2.839	ug/l	100
78) n-propylbenzene	10.59	91	15805	2.514	ug/l	98
79) 2-Chlorotoluene	10.66	91	10871	2.819	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	10946	2.183	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.50	75	7389	3.946	ug/l #	100
82) 4-Chlorotoluene	10.77	91	11554	2.681	ug/l	95
83) tert-Butylbenzene	11.10	119	10667	2.521	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	10672	2.249	ug/l	96
85) sec-Butylbenzene	11.32	105	12299	2.483	ug/l	98
86) p-Isopropyltoluene	11.48	119	10317	2.584	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	6389	2.712	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	6778	2.718	ug/l	89
89) n-Butylbenzene	11.89	91	8581	3.354	ug/l	94
90) Hexachloroethane	12.15	117	2445	2.856	ug/l	88
91) 1,2-Dichlorobenzene	11.88	146	6234	2.625	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1192	2.447	ug/l	97

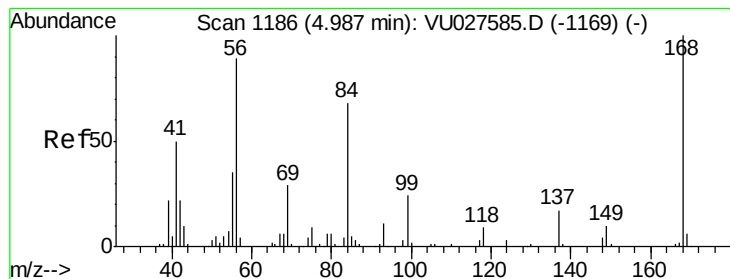
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	3022	3.419	ug/l	95
94) Hexachlorobutadiene	13.69	225	1746	2.291	ug/l	92
95) Naphthalene	13.75	128	9505	2.893	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	3581	2.290	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

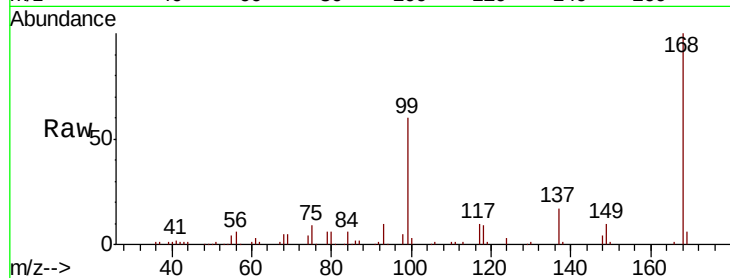
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 168 Resp: 112634

Ion Ratio Lower Upper

168 100

99 58.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.99

50000

40000

30000

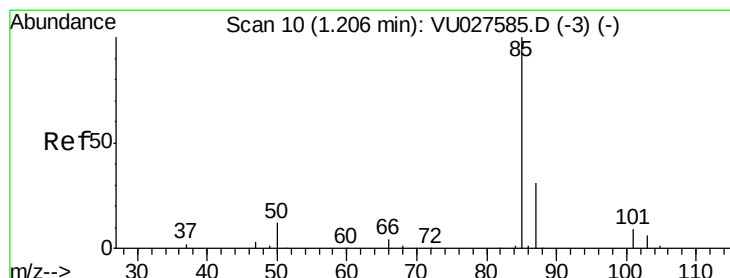
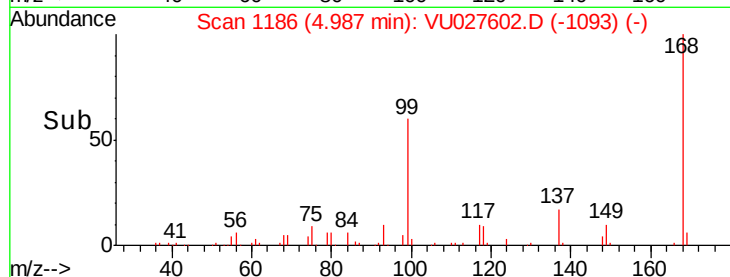
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 2.715 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027602.D

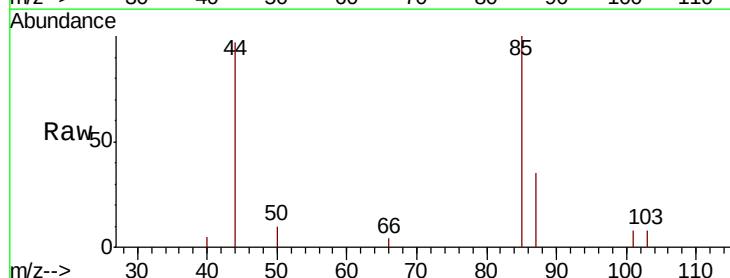
Acq: 11 Oct 2018 16:30

Tgt Ion: 85 Resp: 3326

Ion Ratio Lower Upper

85 100

87 34.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

3000

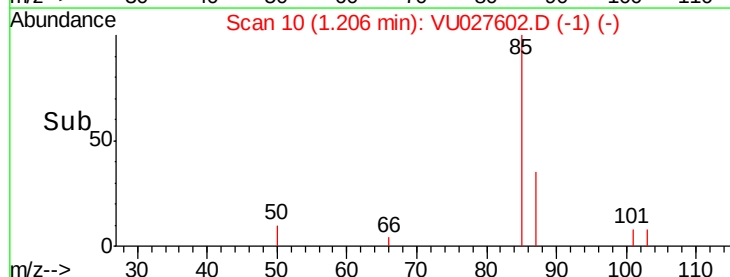
2000

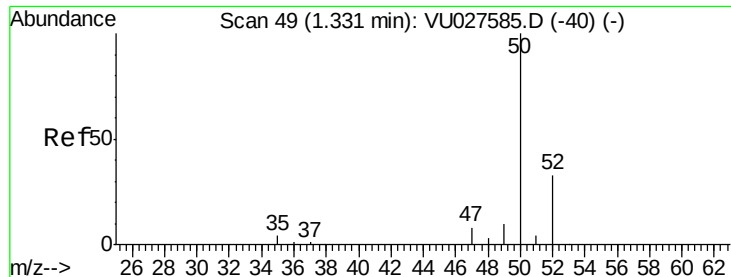
1000

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 2.703 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

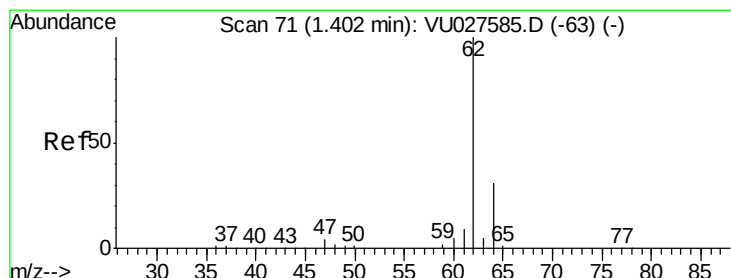
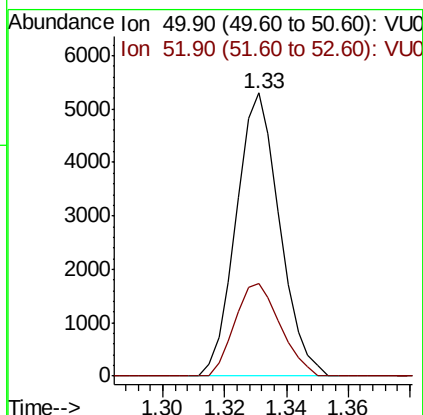
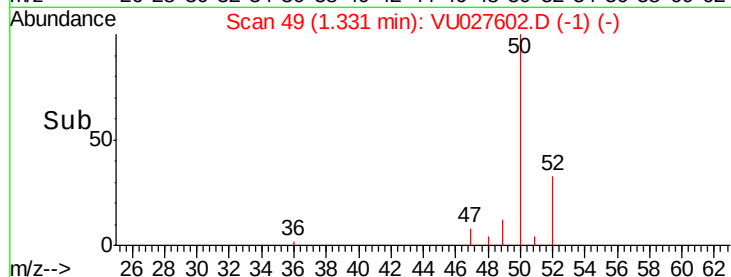
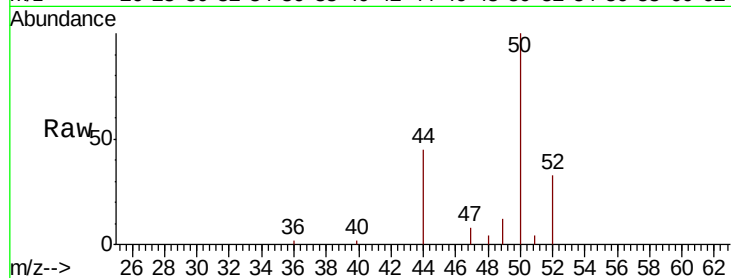
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 5187

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 2.806 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027602.D

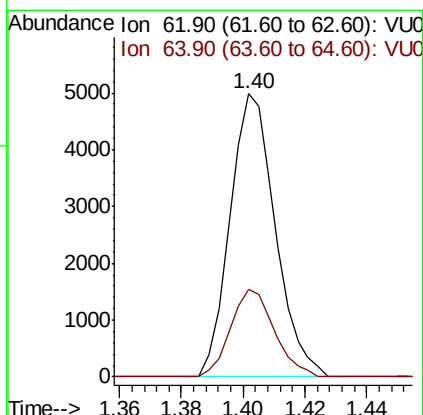
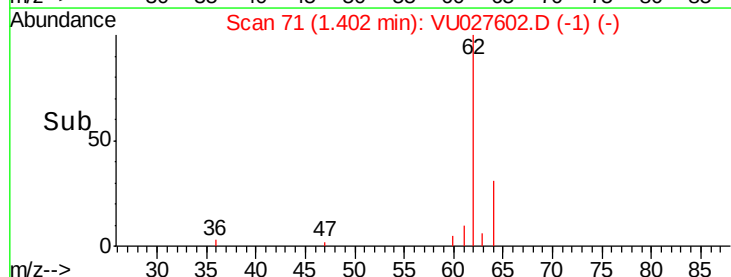
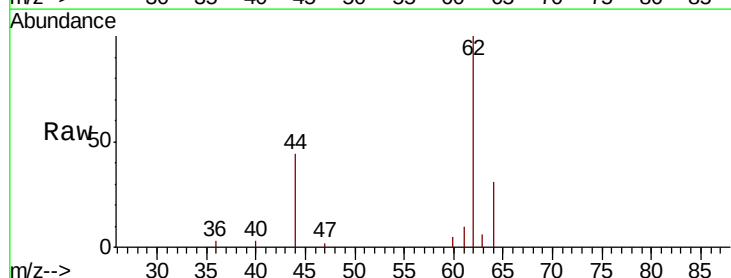
Acq: 11 Oct 2018 16:30

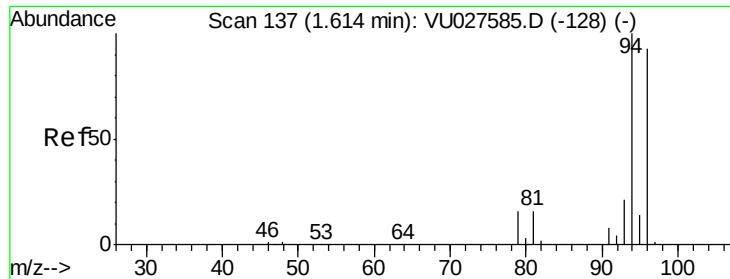
Tgt Ion: 62 Resp: 5061

Ion Ratio Lower Upper

62 100

64 30.8 24.9 37.3





#5

Bromomethane

Concen: 2.689 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

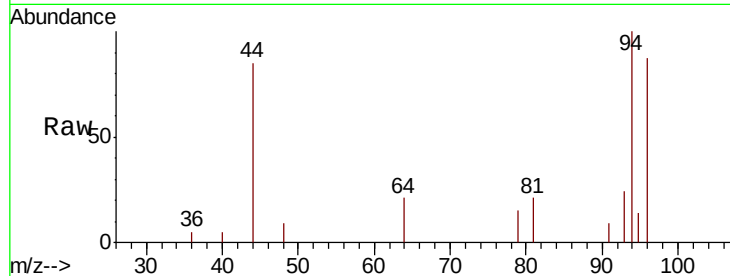
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 2633

Ion Ratio Lower Upper

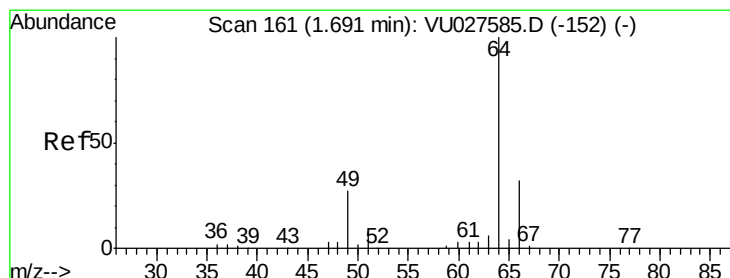
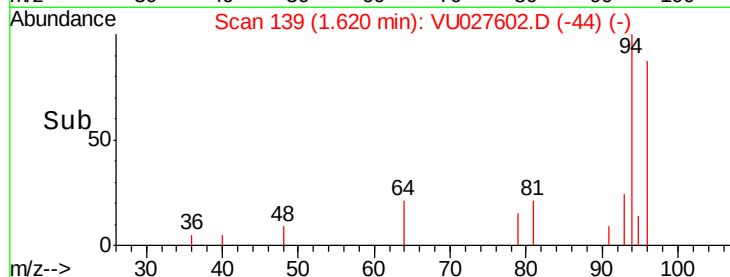
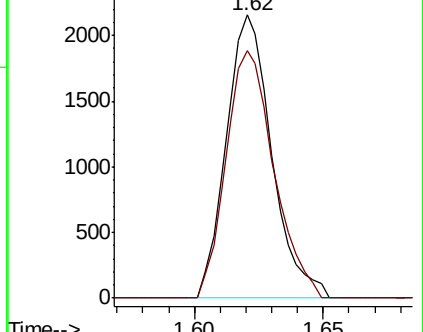
94 100

96 87.5 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.810 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027602.D

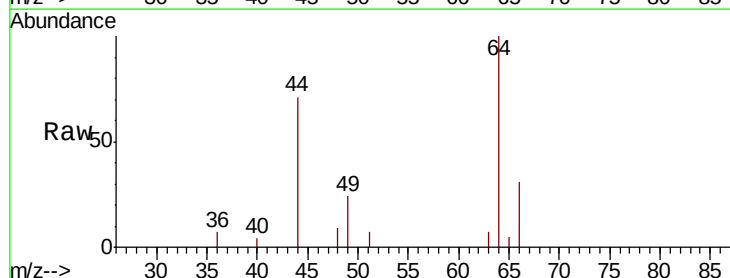
Acq: 11 Oct 2018 16:30

Tgt Ion: 64 Resp: 3165

Ion Ratio Lower Upper

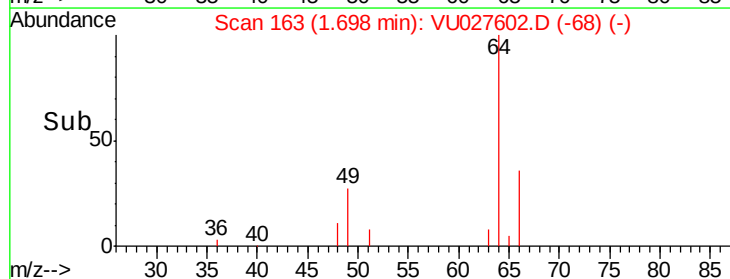
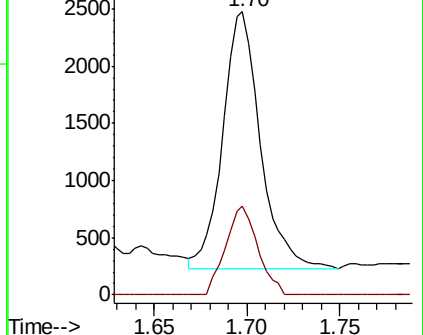
64 100

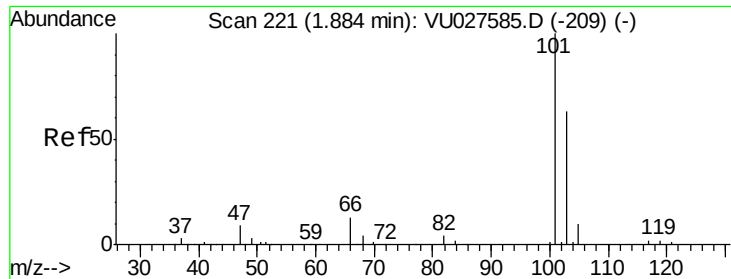
66 34.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



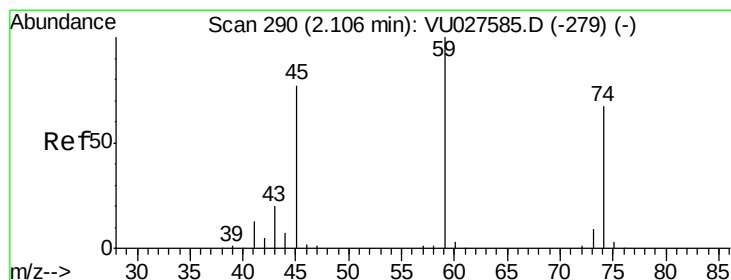
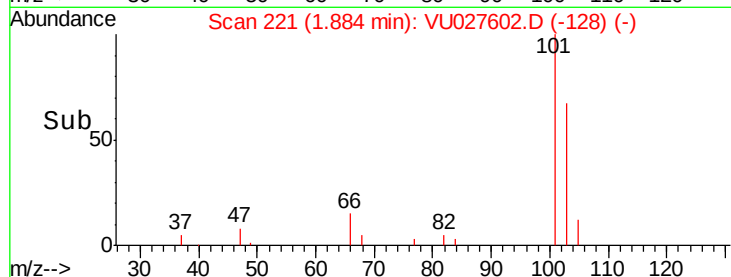
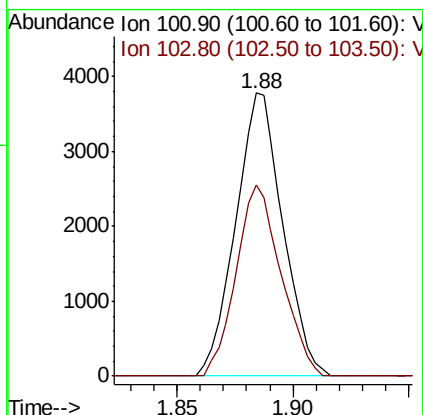
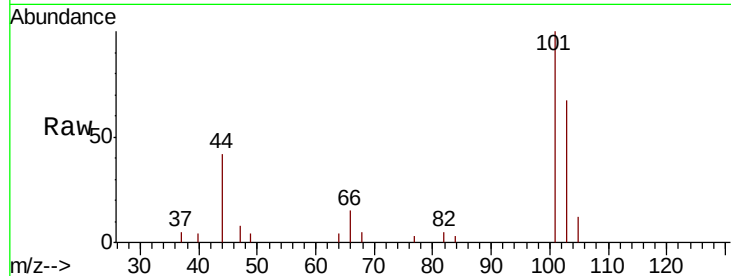


#7

Trichlorofluoromethane
 Concen: 2.650 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Instrument :
 MSVOA_U
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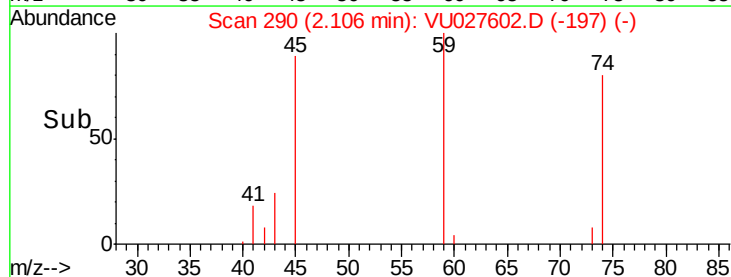
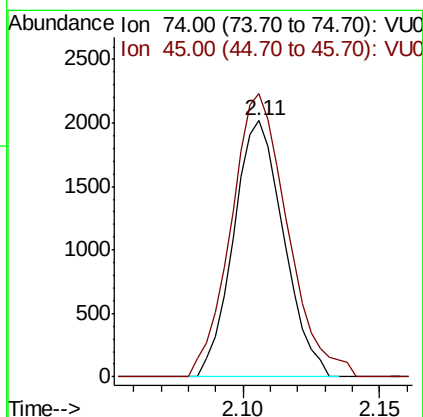
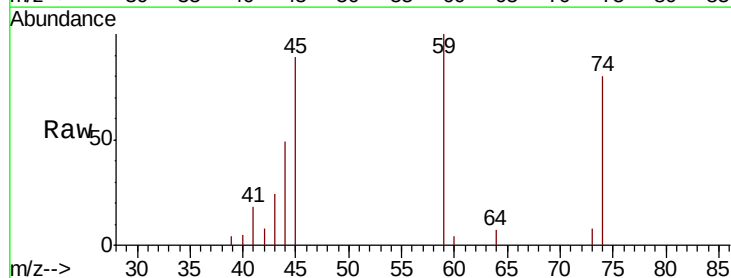
Tgt Ion: 101 Resp: 5341
 Ion Ratio Lower Upper
 101 100
 103 67.4 52.6 78.8

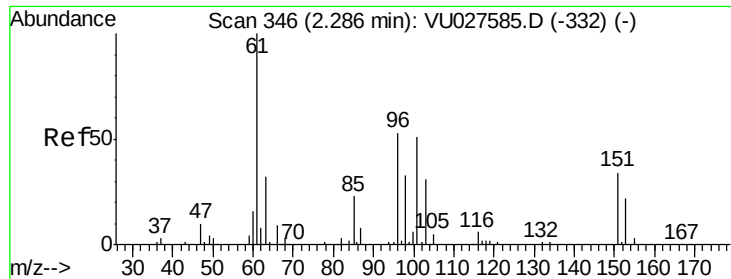


#8

Diethyl Ether
 Concen: 2.833 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 74 Resp: 2576
 Ion Ratio Lower Upper
 74 100
 45 124.6 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.771 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

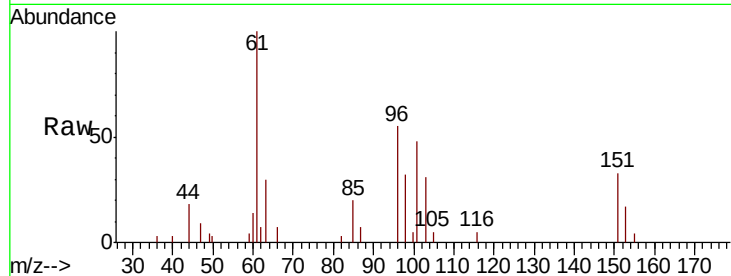
Tgt Ion:101 Resp: 3265

Ion Ratio Lower Upper

101 100

85 42.0 37.5 56.3

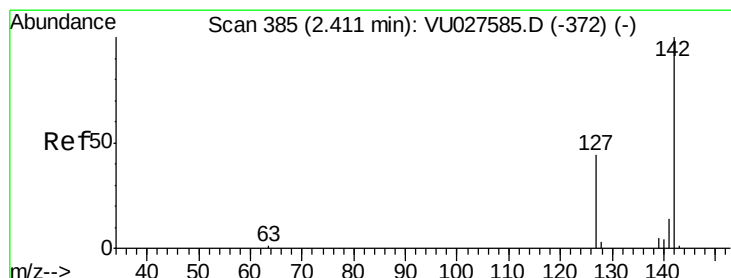
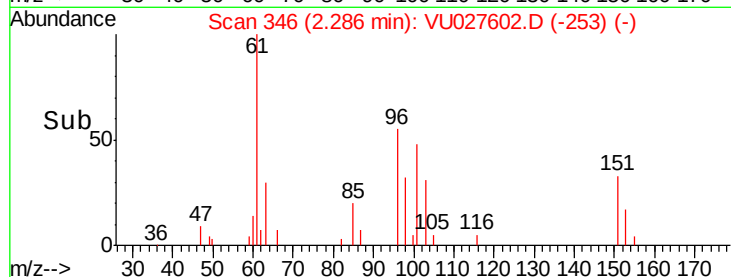
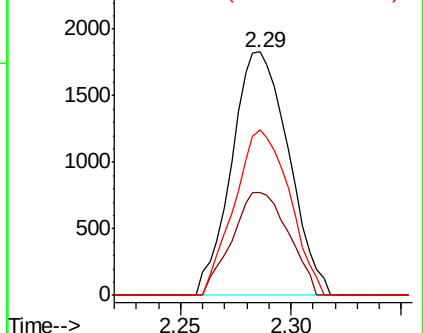
151 65.9 55.6 83.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.574 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

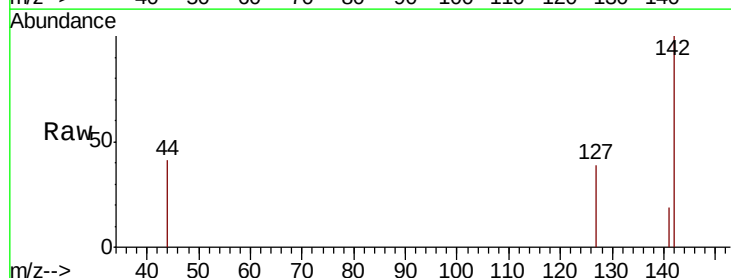
Tgt Ion:142 Resp: 1807

Ion Ratio Lower Upper

142 100

127 42.1 36.3 54.5

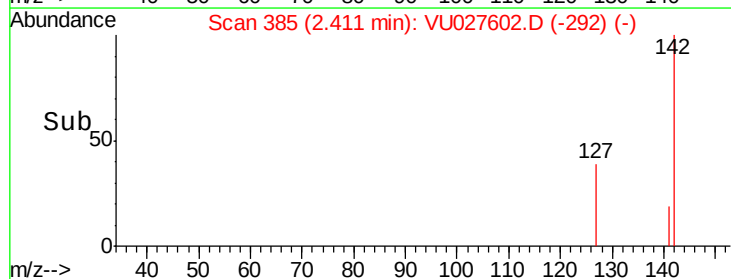
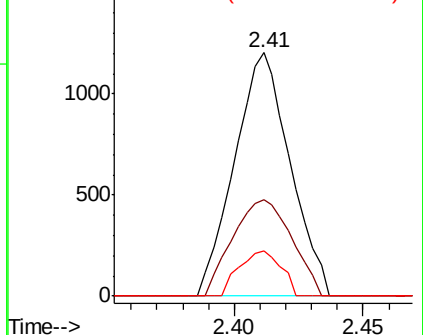
141 14.1 11.6 17.4

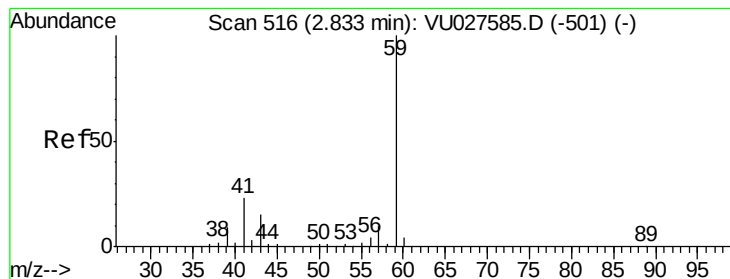


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



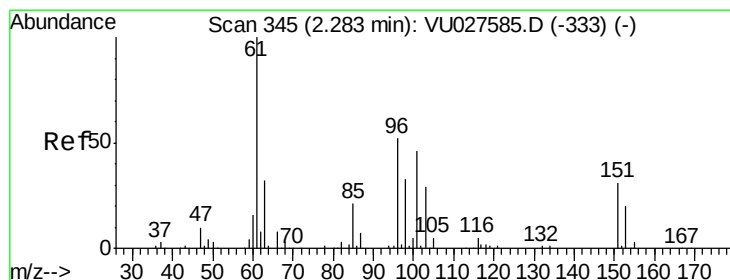
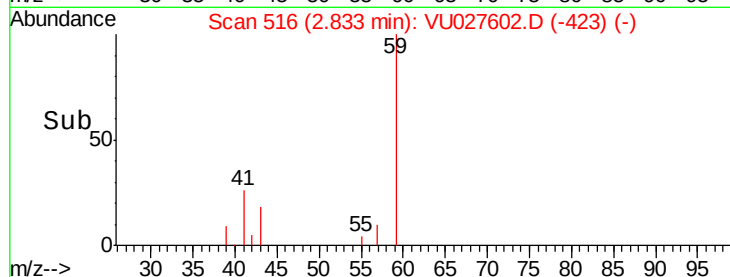
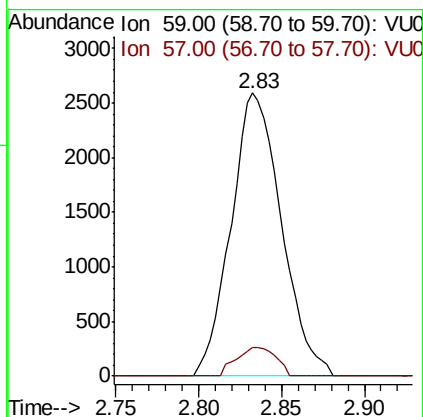
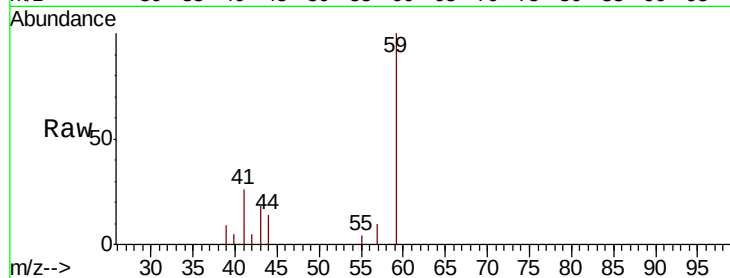


#11

Tert butyl alcohol
 Concen: 12.870 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

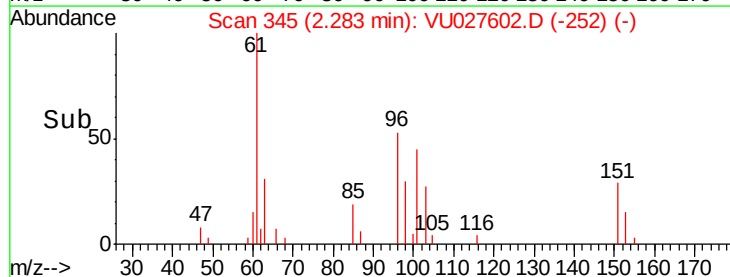
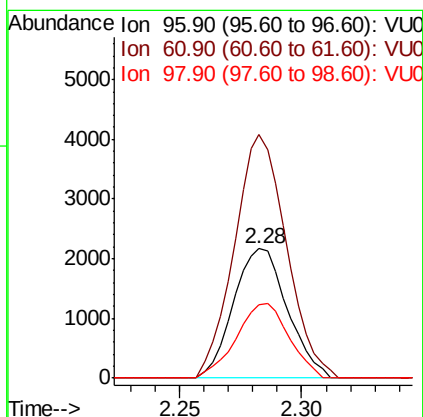
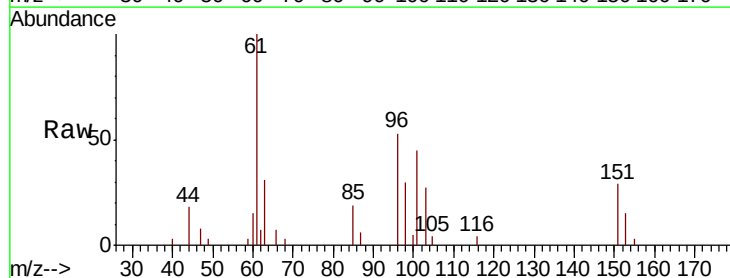
Tgt Ion: 59 Resp: 5469
 Ion Ratio Lower Upper
 59 100
 57 8.0 8.4 12.6#

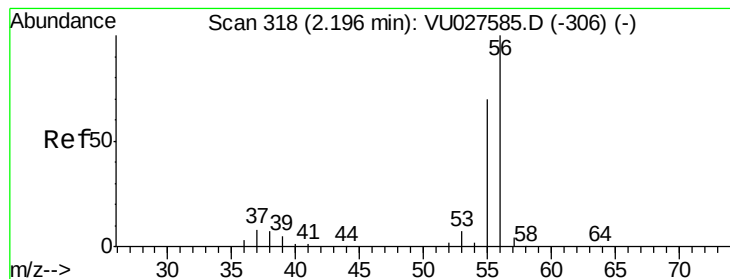


#12

1,1-Dichloroethene
 Concen: 2.867 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 96 Resp: 3314
 Ion Ratio Lower Upper
 96 100
 61 187.8 153.0 229.6
 98 56.4 49.3 73.9





#13

Acrolein

Concen: 12.467 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

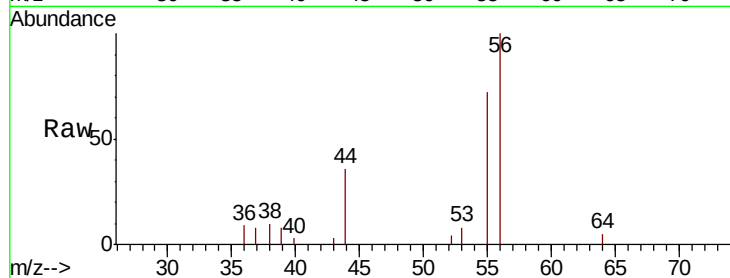
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 56 Resp: 4203

Ion Ratio Lower Upper

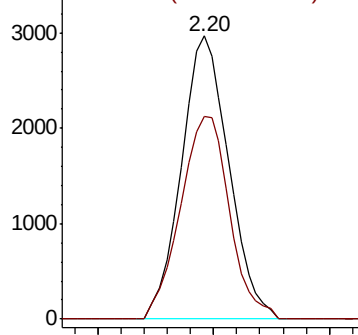
56 100

55 74.5 57.7 86.5

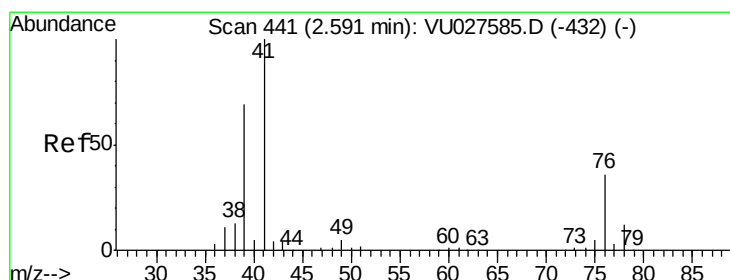
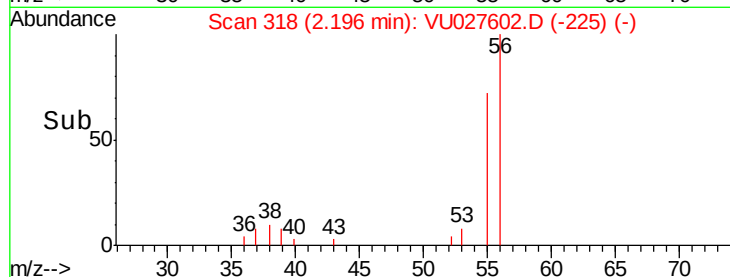


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 2.924 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

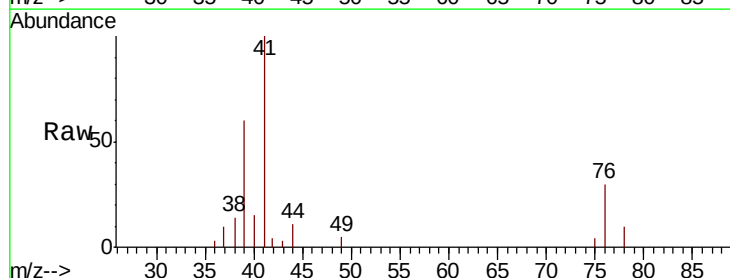
Tgt Ion: 41 Resp: 8198

Ion Ratio Lower Upper

41 100

39 54.9 51.8 77.8

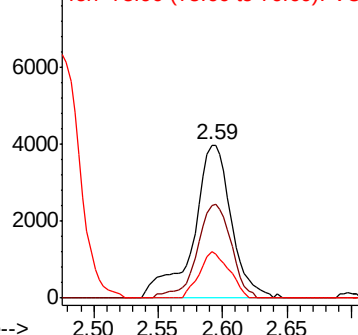
76 23.8 25.9 38.9#



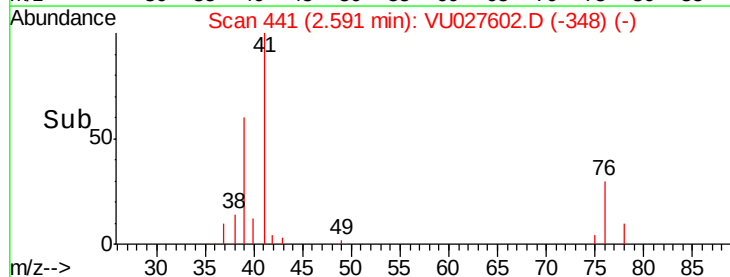
Abundance Ion 41.00 (40.70 to 41.70): VU0

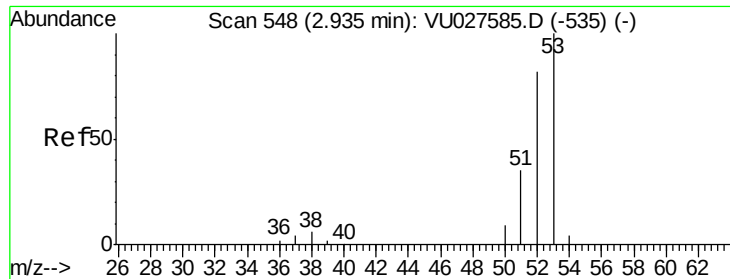
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#15

Acrylonitrile

Concen: 13.707 ug/l

RT: 2.94 min Scan# 550

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

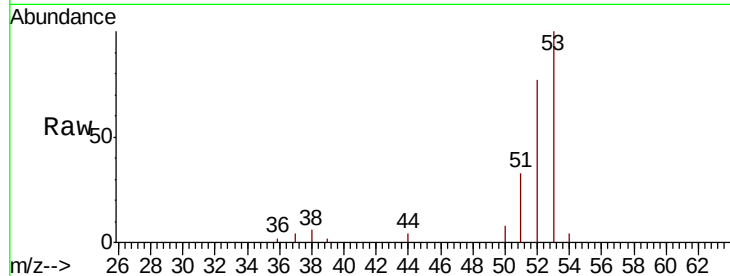
Tgt Ion: 53 Resp: 13847

Ion Ratio Lower Upper

53 100

52 78.1 66.5 99.7

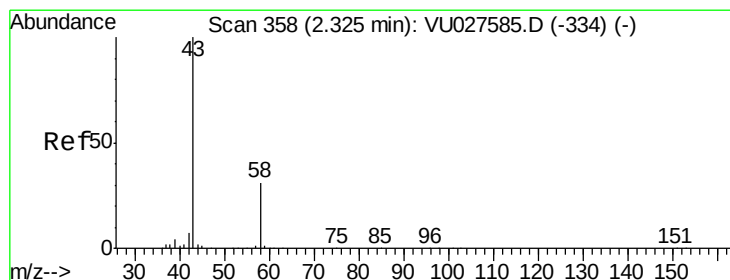
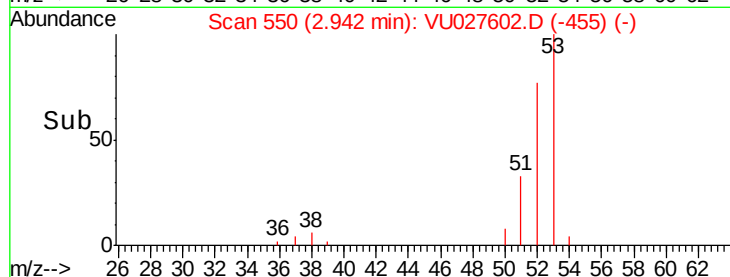
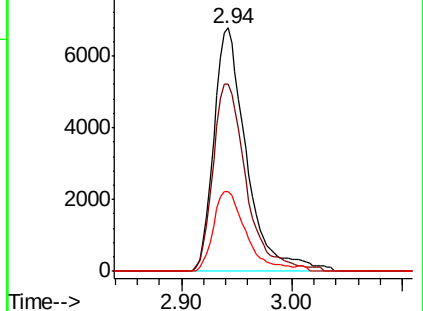
51 32.9 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 13.642 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027602.D

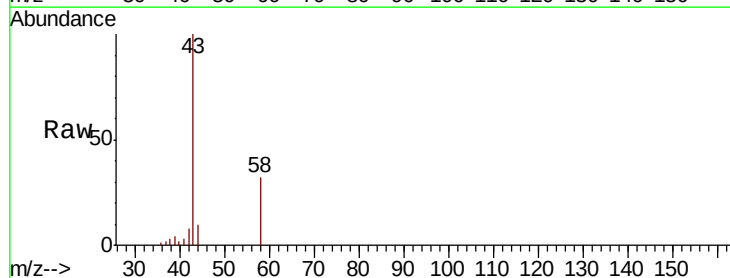
Acq: 11 Oct 2018 16:30

Tgt Ion: 43 Resp: 14500

Ion Ratio Lower Upper

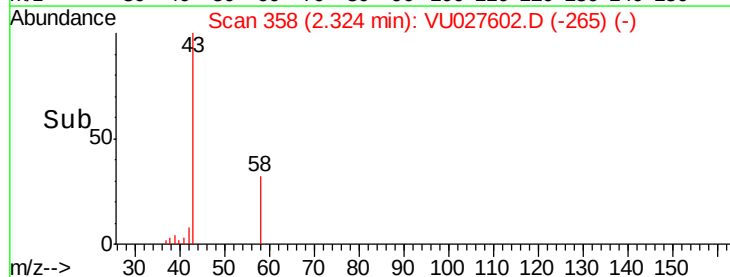
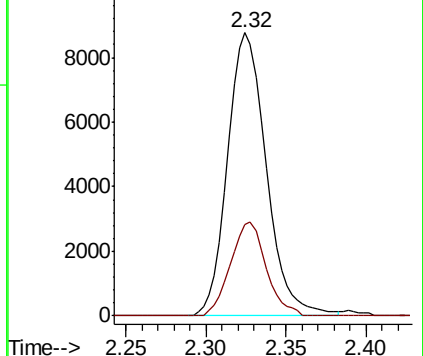
43 100

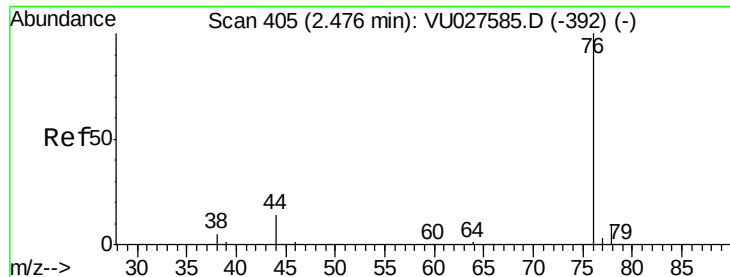
58 32.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

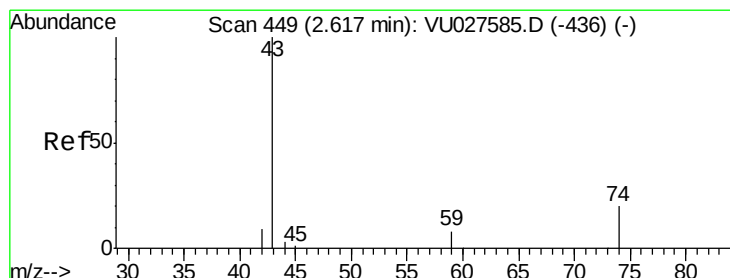
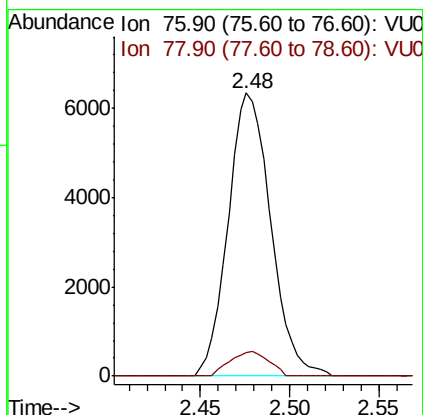
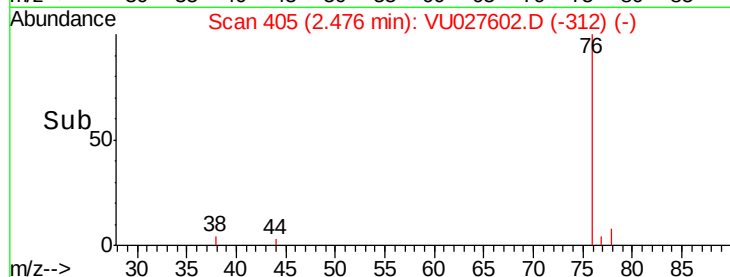
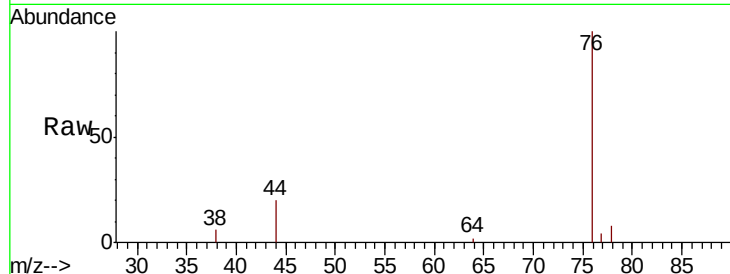




#17
Carbon Disulfide
Concen: 2.660 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

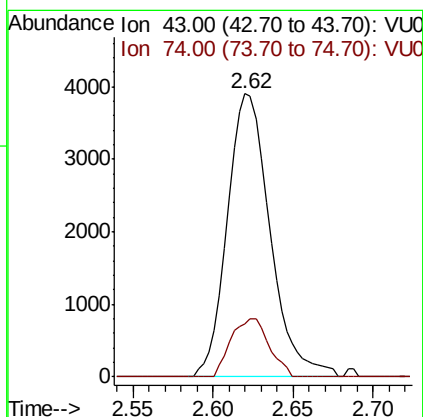
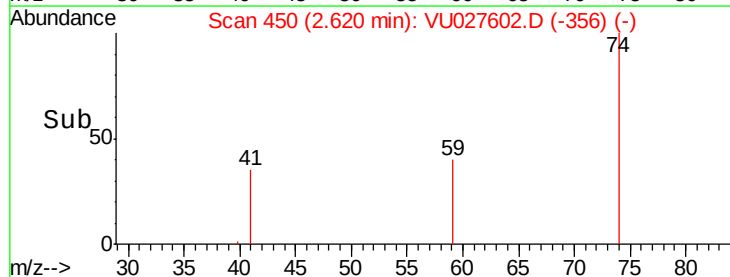
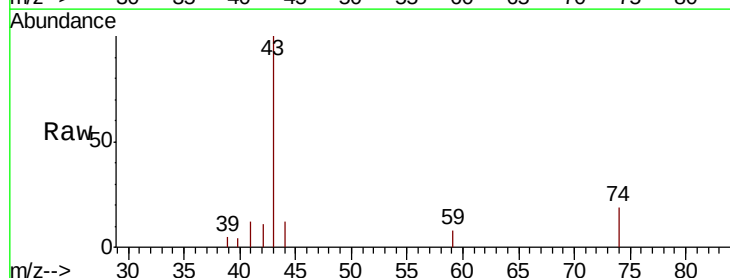
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

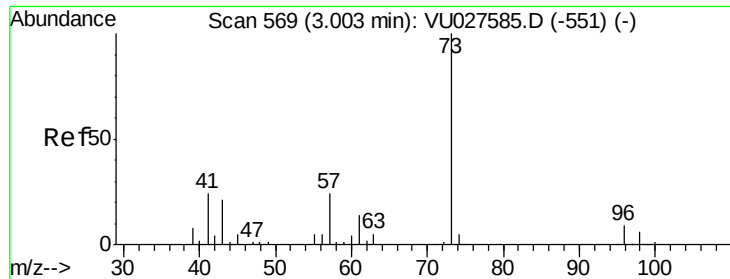
Tgt Ion: 76 Resp: 10541
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#18
Methyl Acetate
Concen: 2.680 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
74 18.2 16.5 24.7

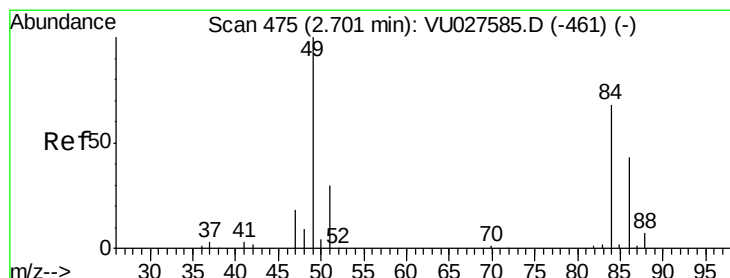
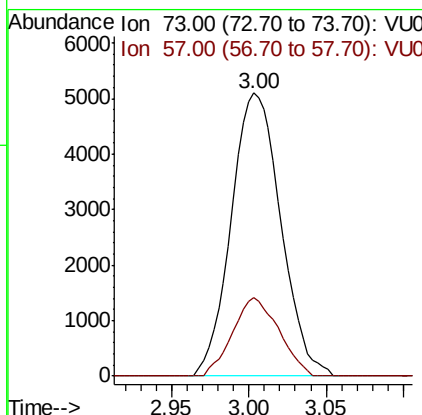
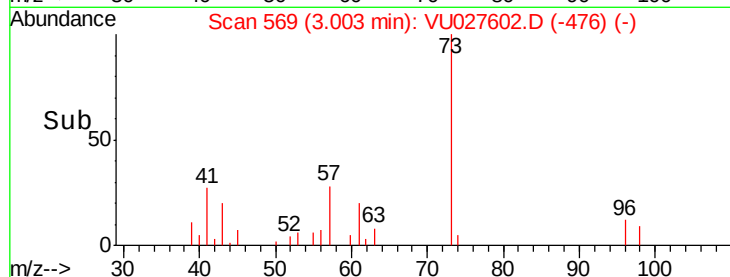
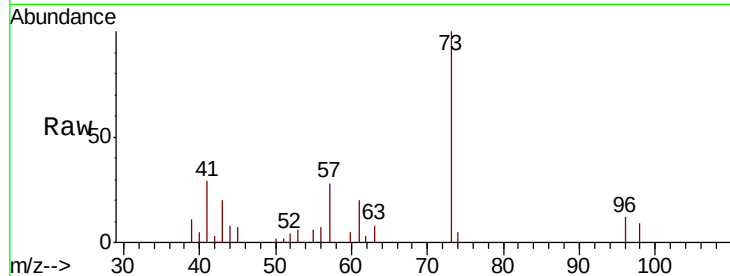




#19
Methyl tert-butyl Ether
Concen: 2.549 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

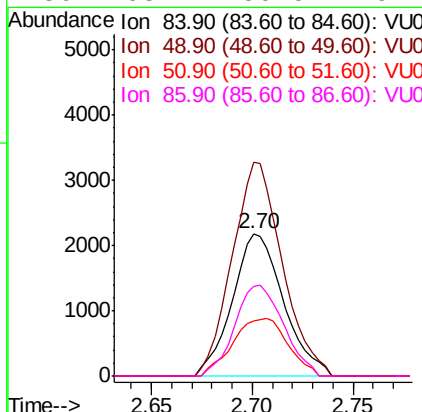
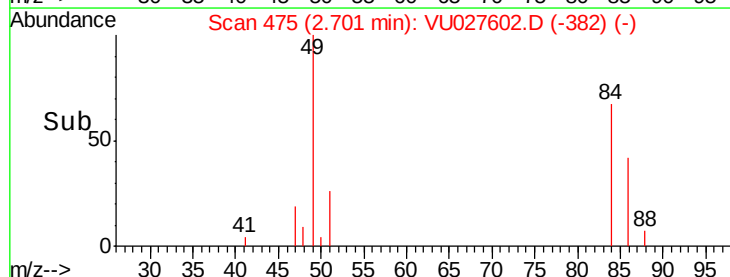
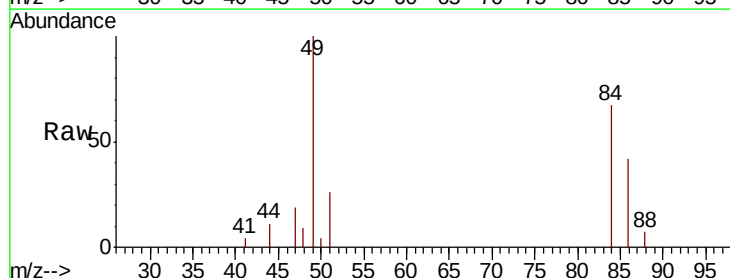
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

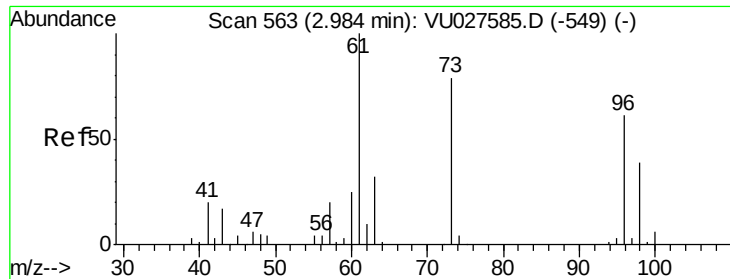
Tgt Ion: 73 Resp: 11340
Ion Ratio Lower Upper
73 100
57 27.6 20.0 30.0



#20
Methylene Chloride
Concen: 2.569 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 84 Resp: 3865
Ion Ratio Lower Upper
84 100
49 149.7 120.5 180.7
51 38.6 35.1 52.7
86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 2.566 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

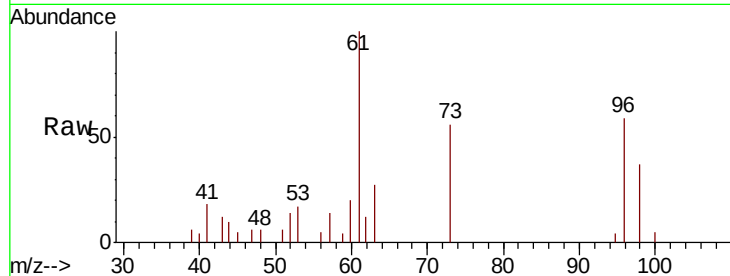
Tgt Ion: 96 Resp: 3278

Ion Ratio Lower Upper

96 100

61 170.4 129.4 194.2

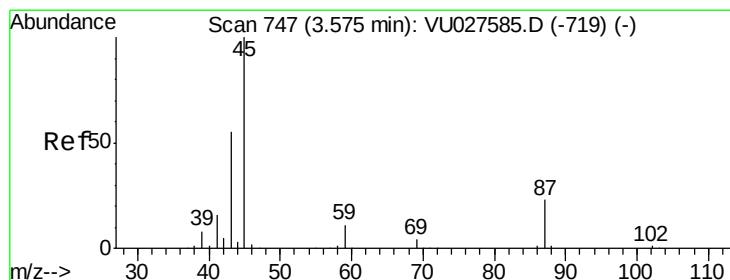
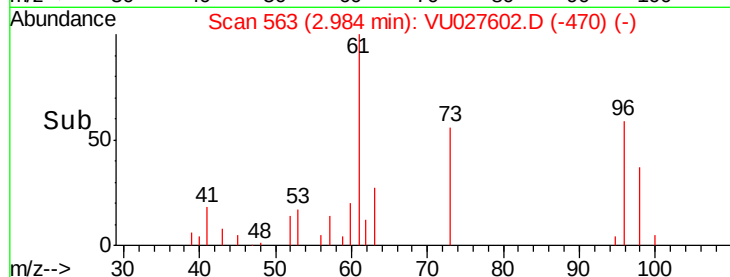
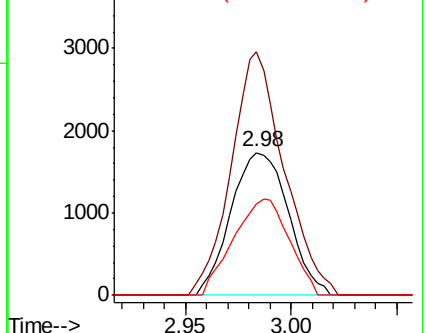
98 63.5 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU027585.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU027585.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU027585.D (-549) (-)



#22

Diisopropyl ether

Concen: 2.583 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Tgt Ion: 45 Resp: 13873

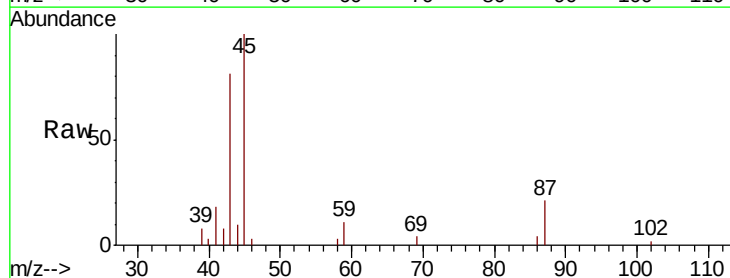
Ion Ratio Lower Upper

45 100

43 74.0 43.4 65.2#

87 20.8 17.5 26.3

59 11.1 8.6 13.0

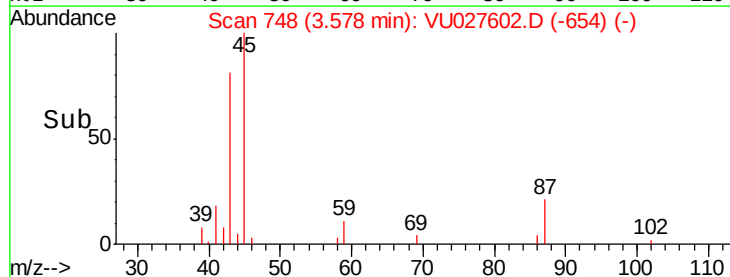
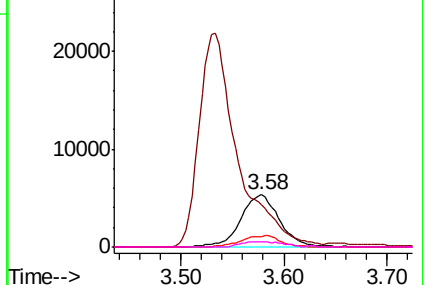


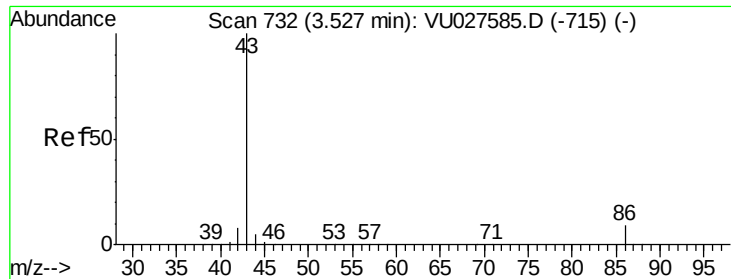
Abundance Ion 45.00 (44.70 to 45.70): VU027585.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027585.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027585.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027585.D (-719) (-)





#23

Vinyl Acetate

Concen: 12.482 ug/l

RT: 3.53 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

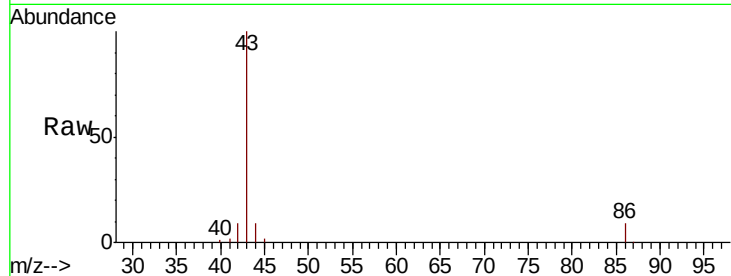
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 56706

Ion Ratio Lower Upper

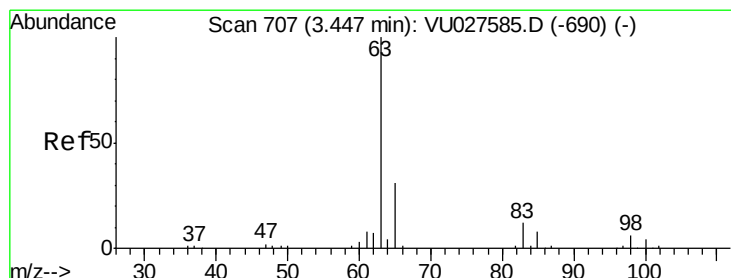
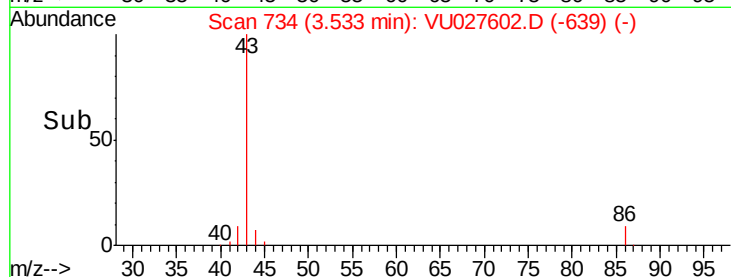
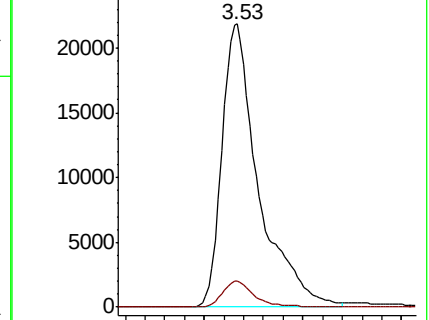
43 100

86 9.3 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU027585.D (-715) (-)



#24

1,1-Dichloroethane

Concen: 2.624 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

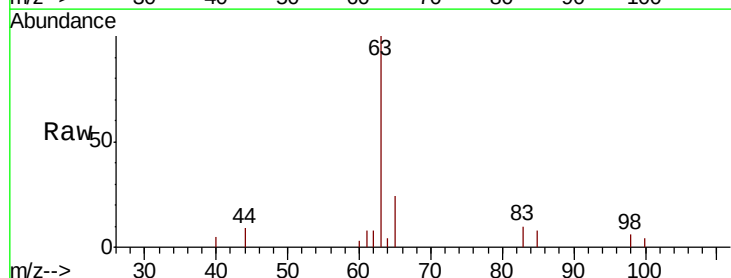
Tgt Ion: 63 Resp: 7463

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

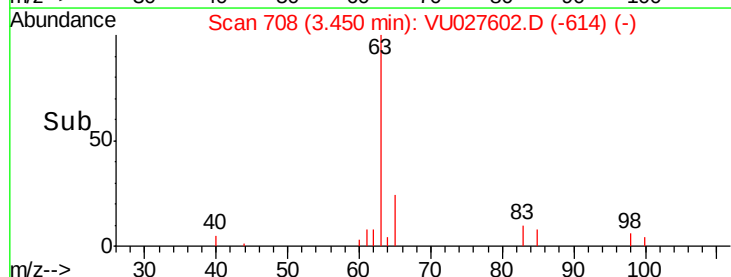
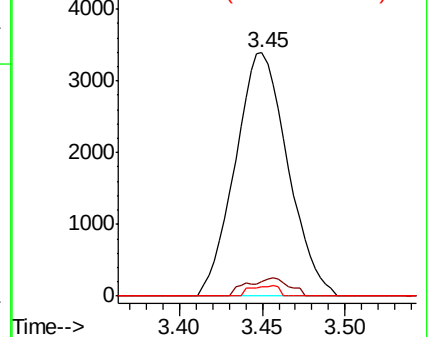
100 3.7 1.8 5.5

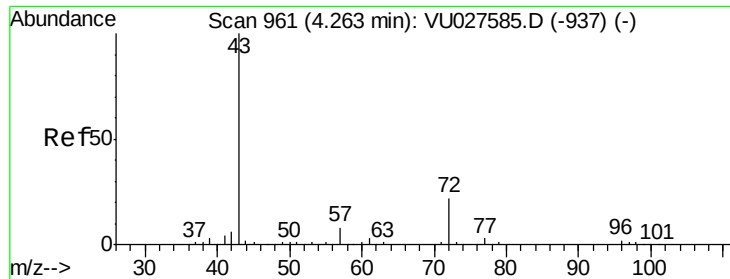


Abundance Ion 62.90 (62.60 to 63.60): VU027585.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU027585.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU027585.D (-690) (-)





#25

2-Butanone

Concen: 12.915 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

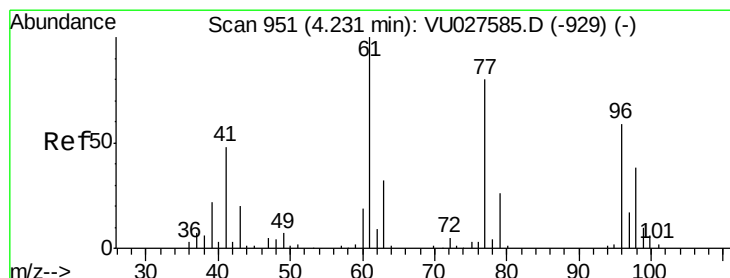
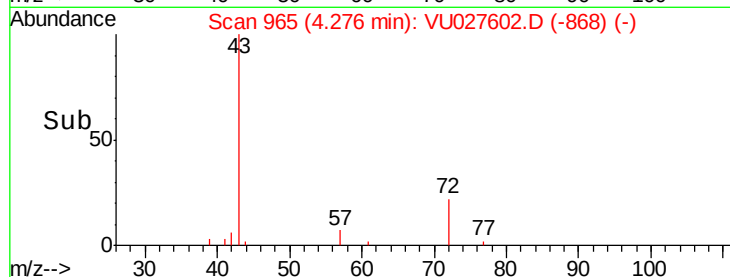
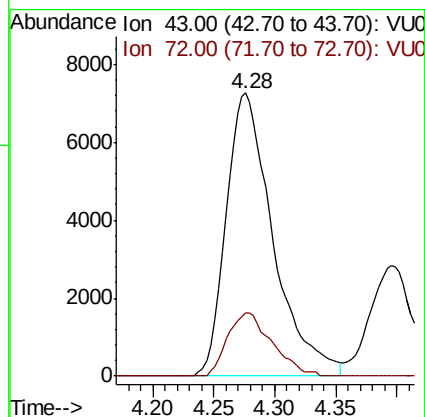
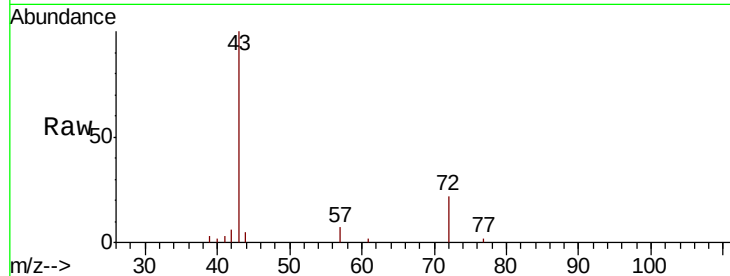
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 19453

Ion Ratio Lower Upper

43 100

72 22.1 17.8 26.6



#26

2,2-Dichloropropane

Concen: 2.657 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027602.D

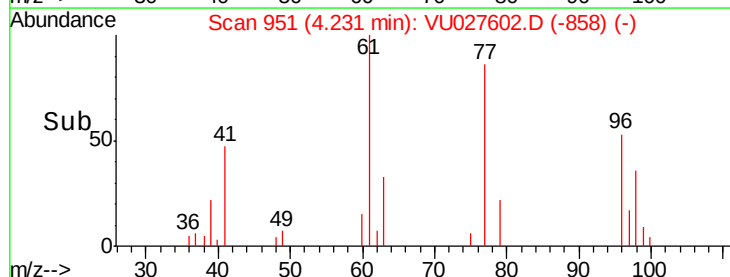
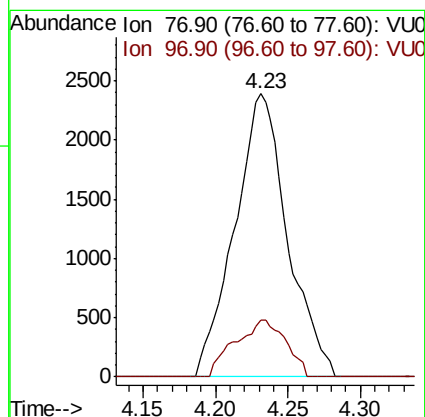
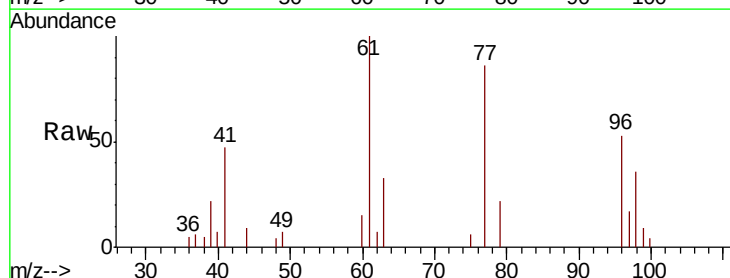
Acq: 11 Oct 2018 16:30

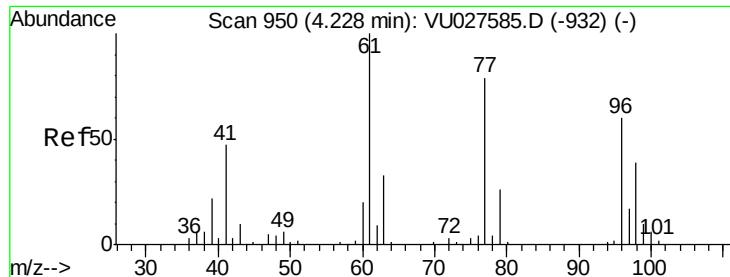
Tgt Ion: 77 Resp: 6055

Ion Ratio Lower Upper

77 100

97 19.3 10.4 31.1



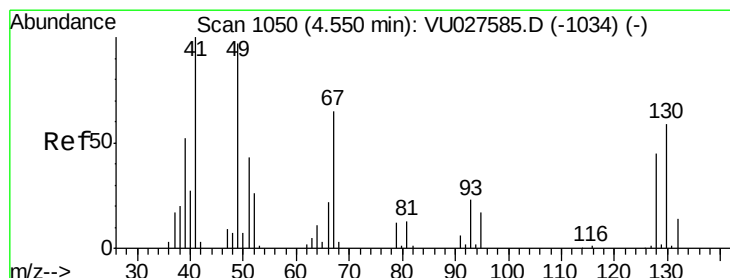
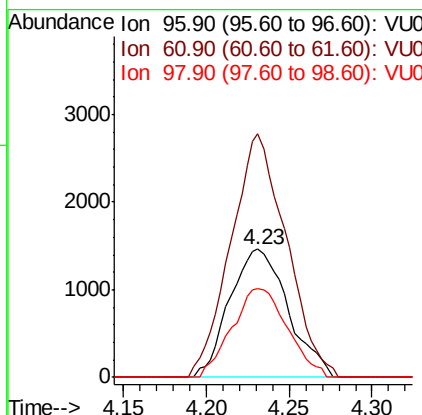
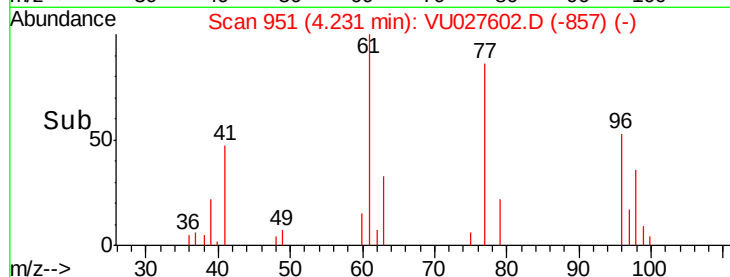
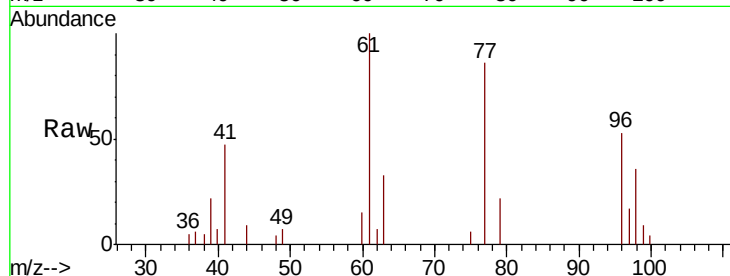


#27

cis-1,2-Dichloroethene
Concen: 2.535 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

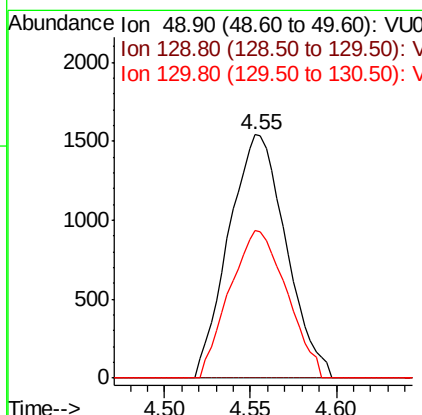
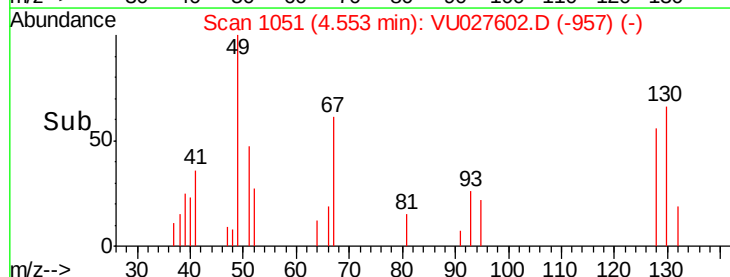
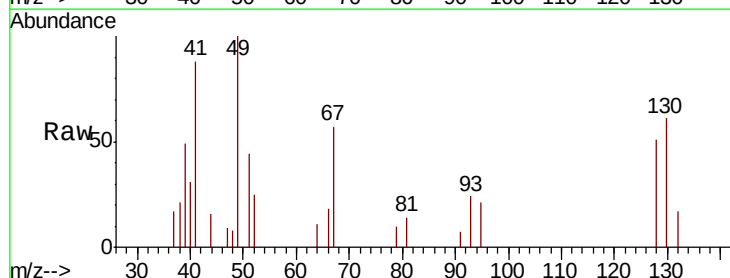
Tgt Ion: 96 Resp: 3591
Ion Ratio Lower Upper
96 100
61 180.3 0.0 343.8
98 65.8 0.0 129.0

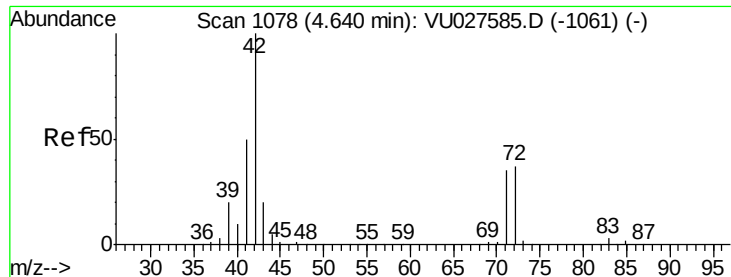


#28

Bromochloromethane
Concen: 2.545 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 49 Resp: 3570
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 60.4 46.1 69.1

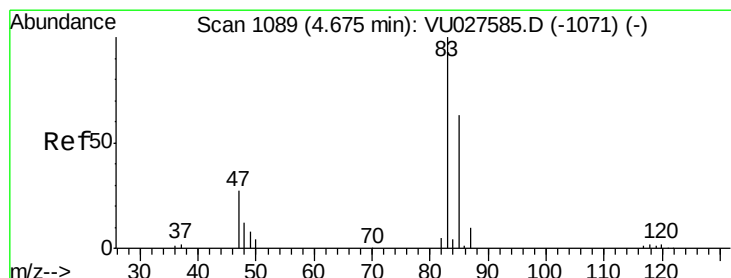
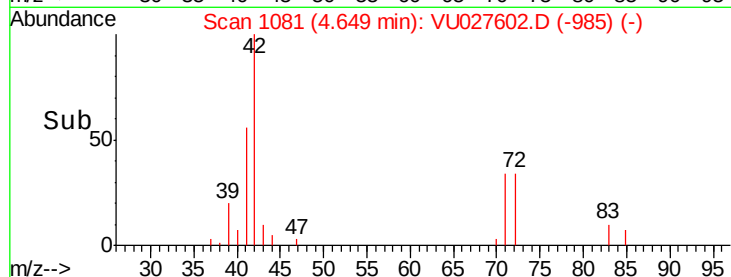
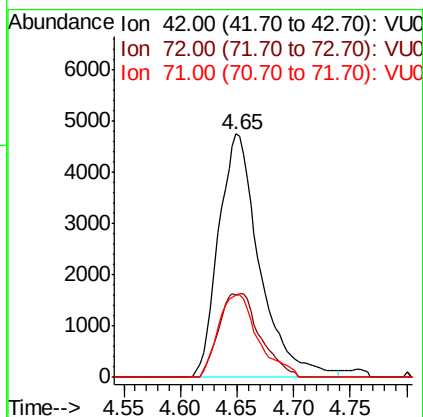
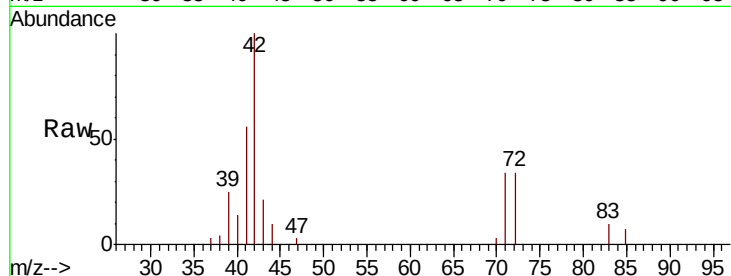




#29
Tetrahydrofuran
Concen: 12.685 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

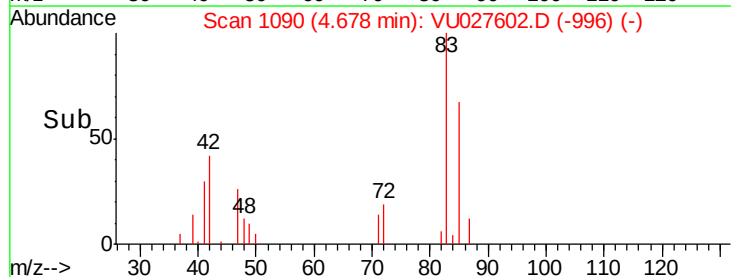
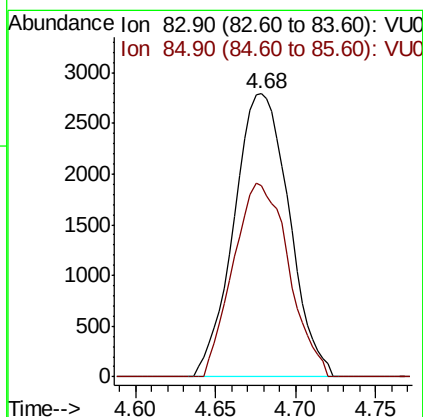
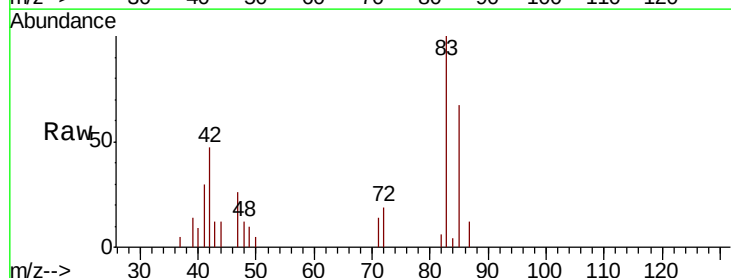
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

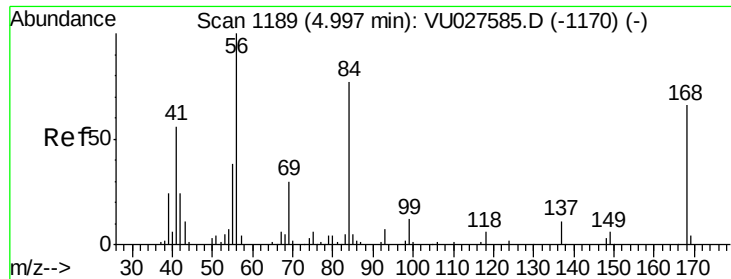
Tgt Ion: 42 Resp: 11982
Ion Ratio Lower Upper
42 100
72 34.6 30.1 45.1
71 32.7 27.7 41.5



#30
Chloroform
Concen: 2.611 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 83 Resp: 6600
Ion Ratio Lower Upper
83 100
85 67.5 51.8 77.6

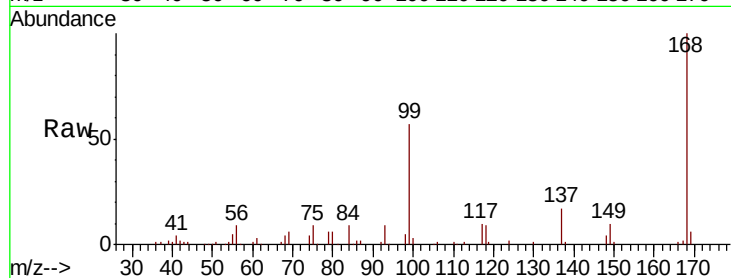




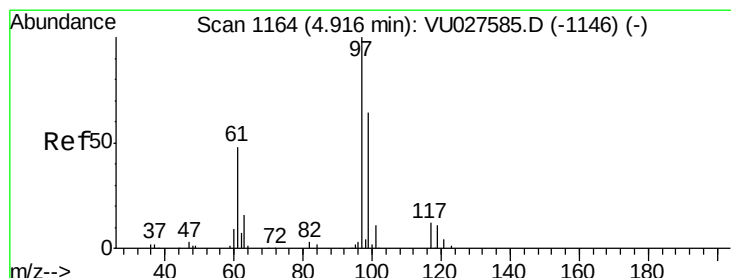
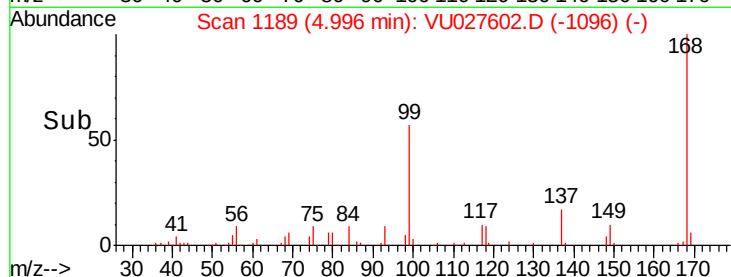
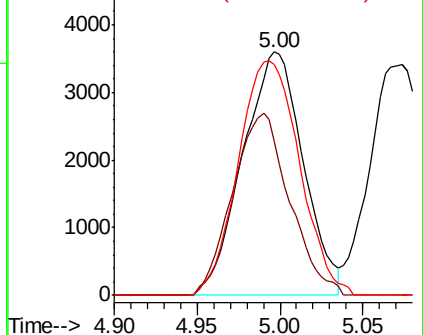
#31
Cyclohexane
Concen: 2.175 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 56 Resp: 9122
Ion Ratio Lower Upper
56 100
69 63.4 24.1 36.1#
84 94.6 59.1 88.7#

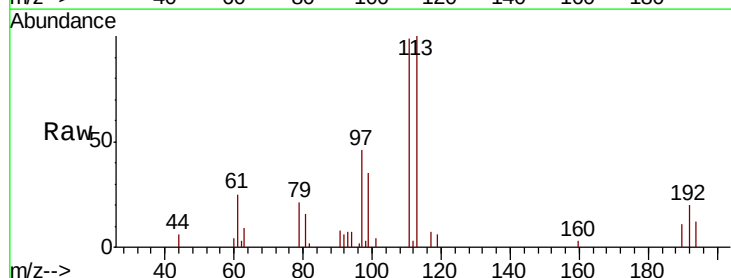


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

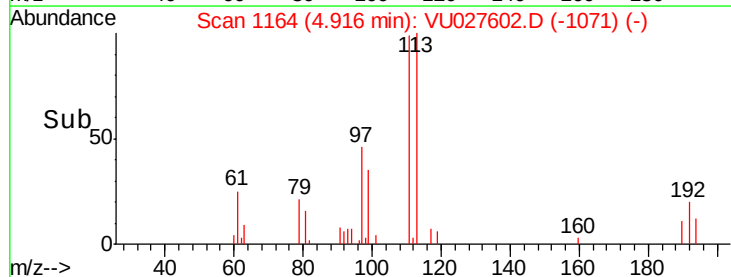
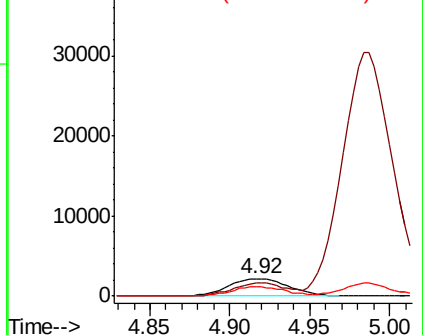


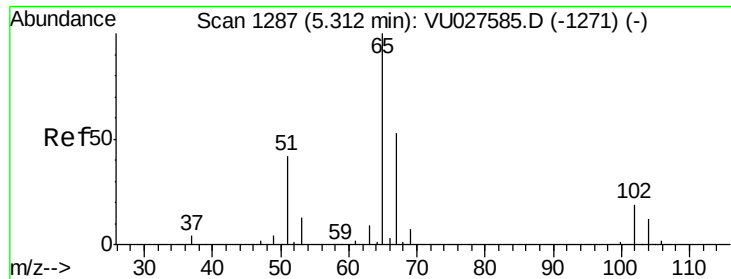
#32
1,1,1-Trichloroethane
Concen: 2.572 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 97 Resp: 5484
Ion Ratio Lower Upper
97 100
99 69.8 51.1 76.7
61 48.8 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

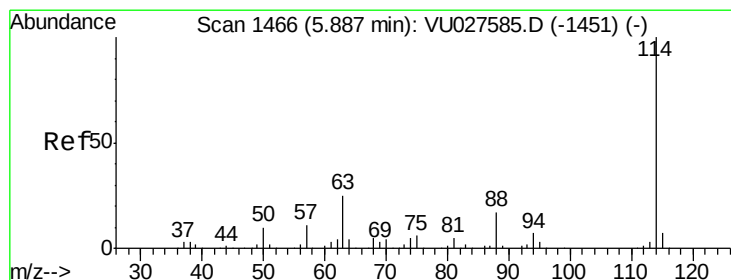
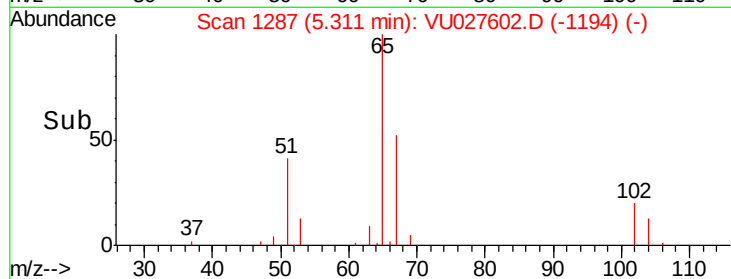
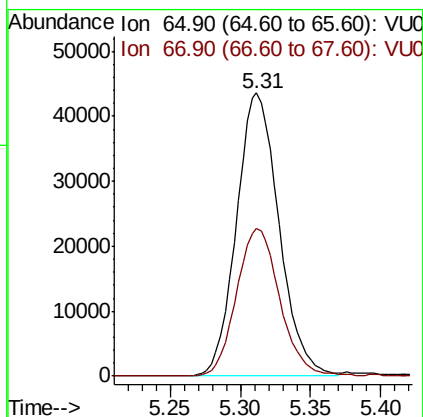
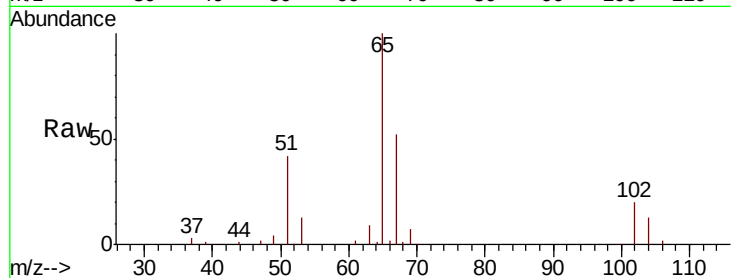




#33
 1,2-Dichloroethane-d4
 Concen: 52.773 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

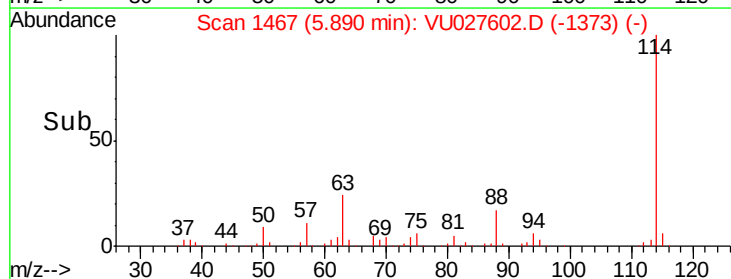
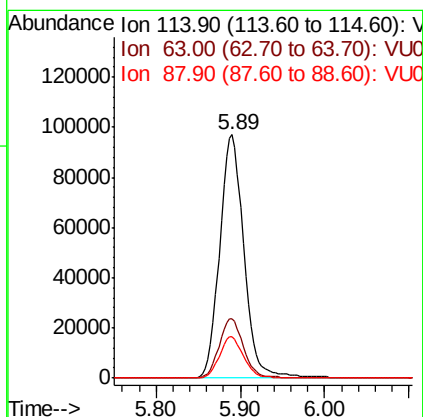
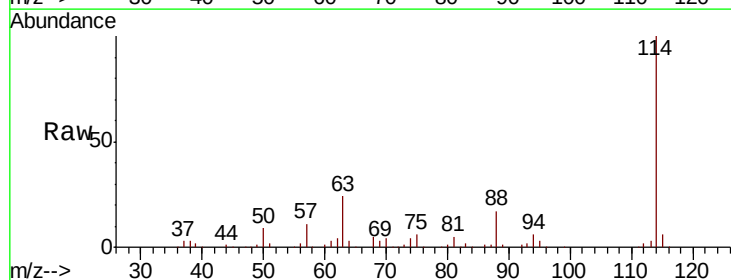
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

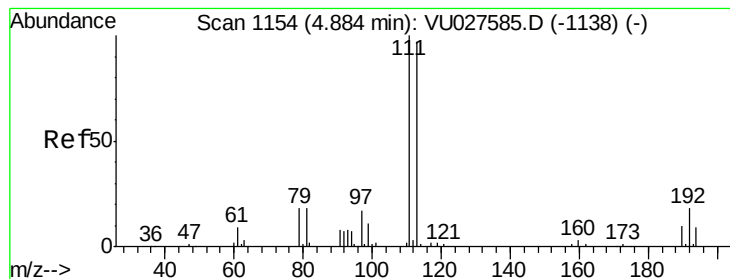
Tgt Ion: 65 Resp: 92012
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 114 Resp: 194096
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.211 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

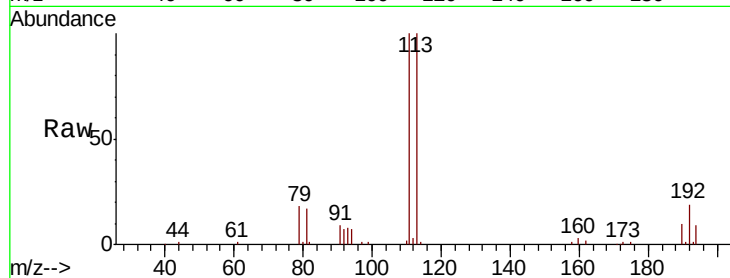
Tgt Ion:113 Resp: 67046

Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

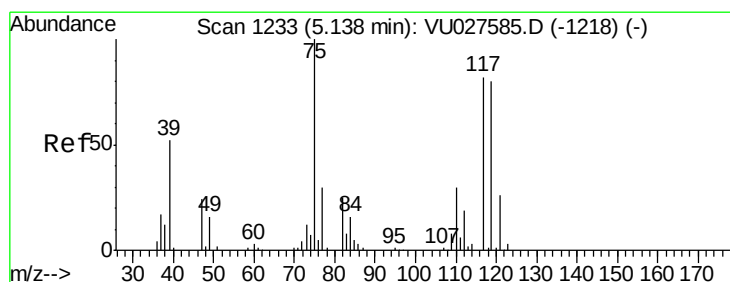
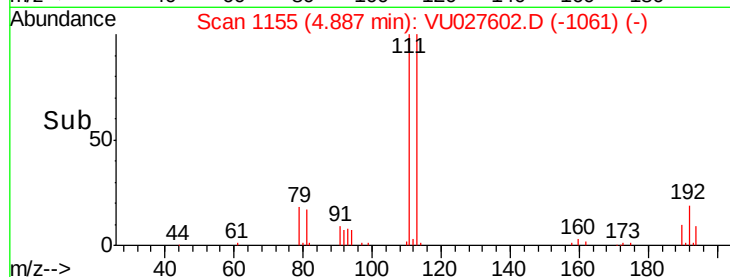
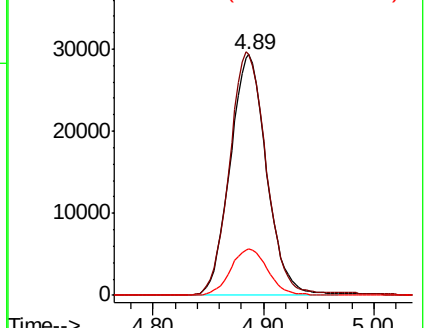
192 19.6 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.437 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

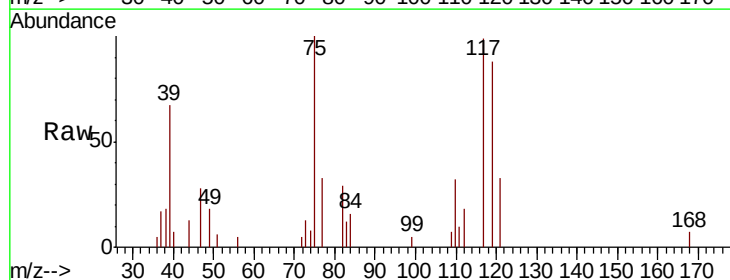
Tgt Ion: 75 Resp: 4806

Ion Ratio Lower Upper

75 100

110 31.1 15.5 46.5

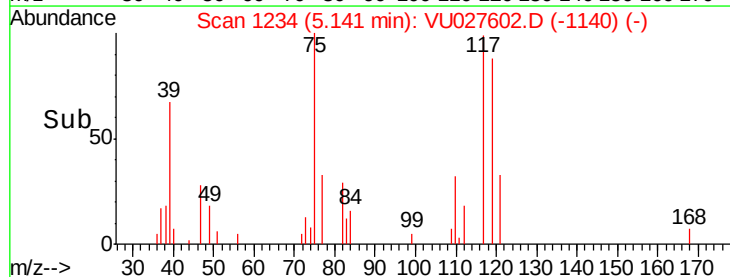
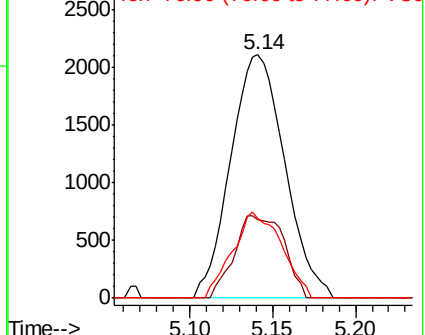
77 32.0 25.4 38.0

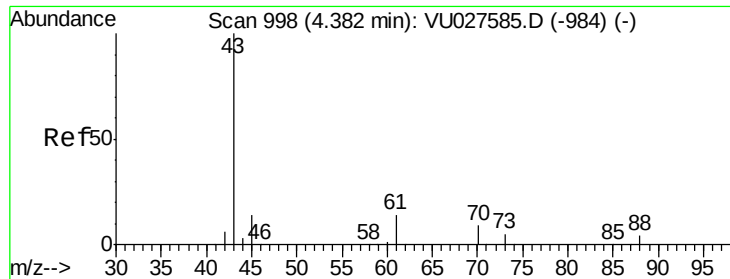


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

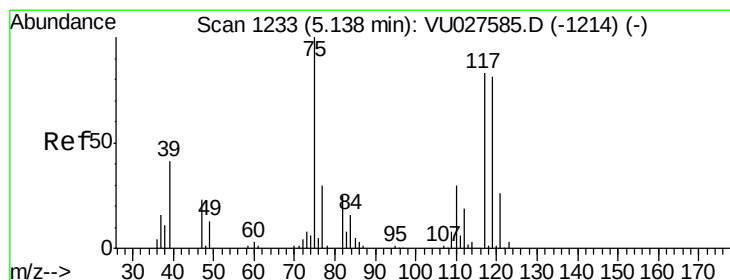
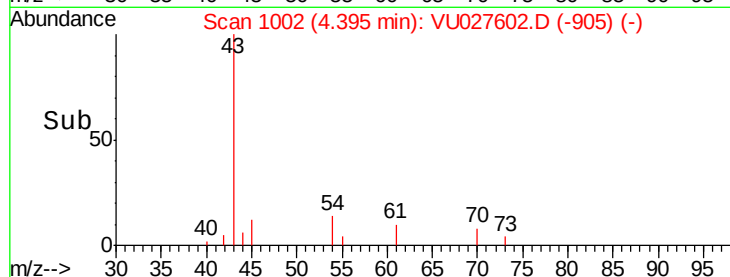
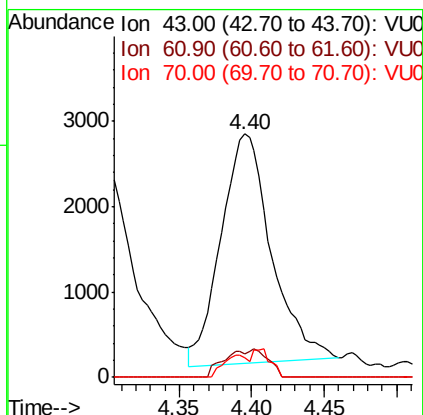
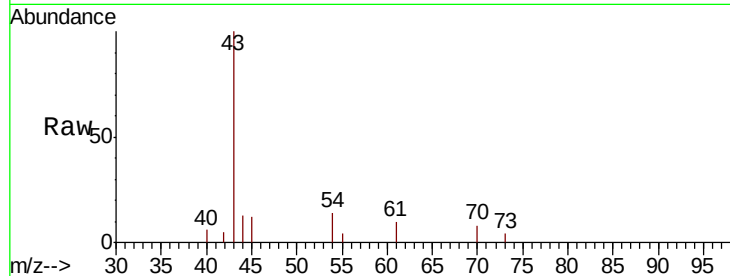




#37
Ethyl Acetate
Concen: 2.263 ug/l
RT: 4.40 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

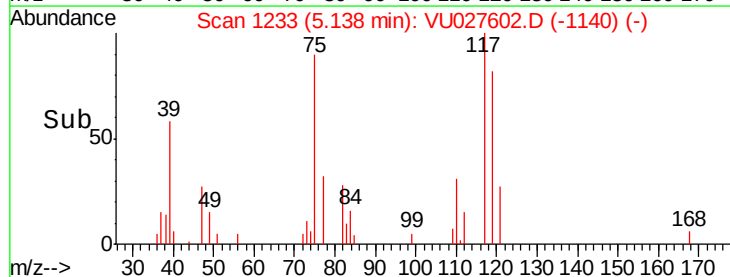
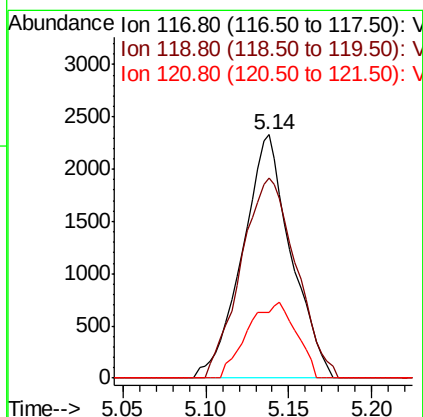
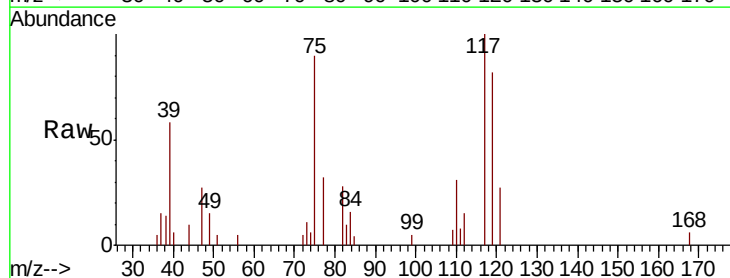
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

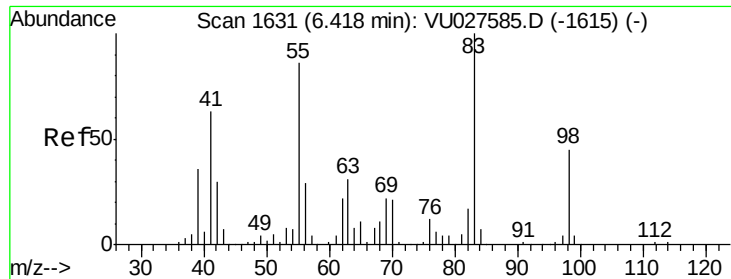
Tgt Ion: 43 Resp: 6469
Ion Ratio Lower Upper
43 100
61 5.5 10.7 16.1#
70 4.7 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 2.609 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 117 Resp: 4742
Ion Ratio Lower Upper
117 100
119 82.2 74.5 111.7
121 26.8 24.6 37.0

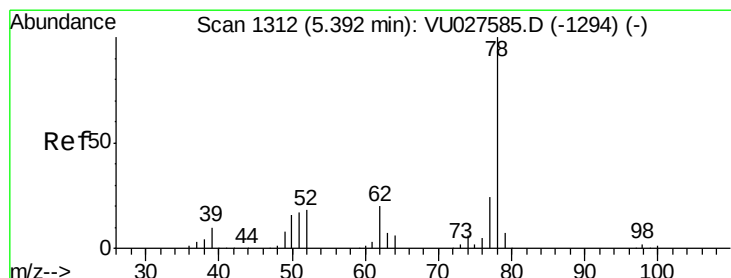
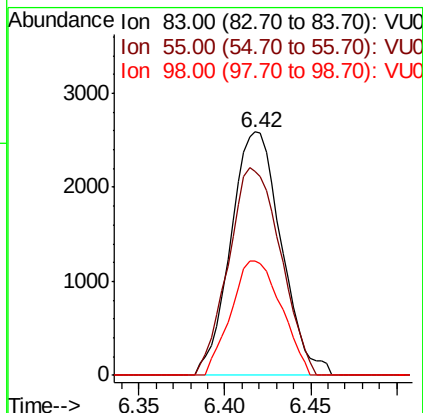
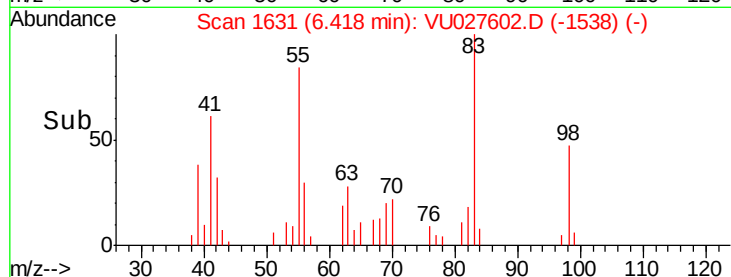
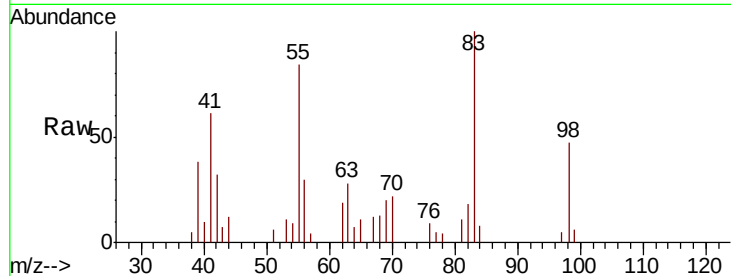




#39
Methylcyclohexane
Concen: 2.387 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

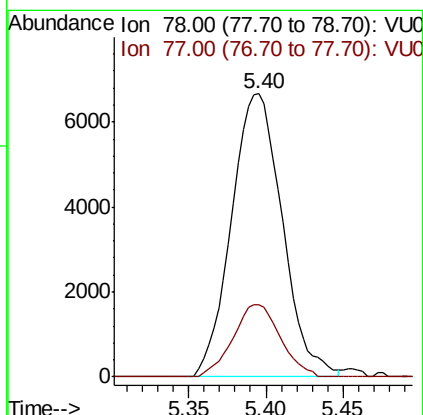
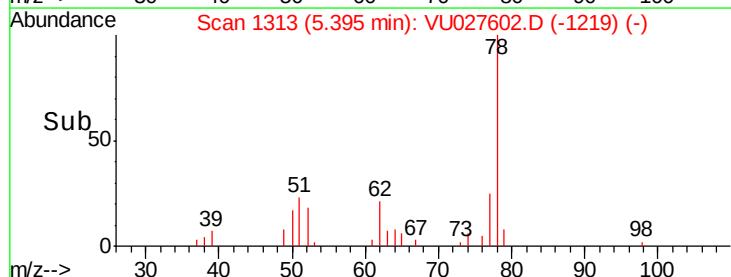
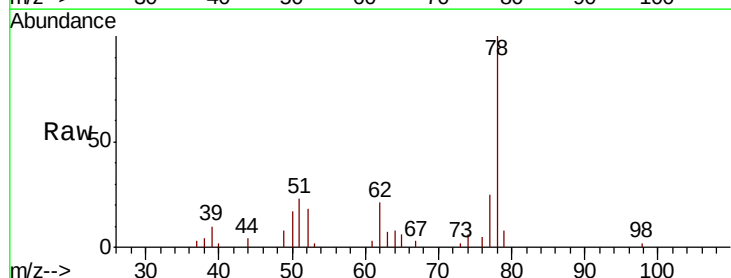
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

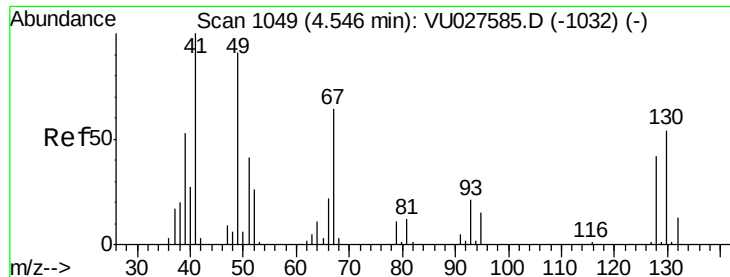
Tgt Ion: 83 Resp: 5309
Ion Ratio Lower Upper
83 100
55 83.7 71.1 106.7
98 47.0 36.3 54.5



#40
Benzene
Concen: 2.554 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 78 Resp: 15230
Ion Ratio Lower Upper
78 100
77 25.5 19.3 28.9





#41

Methacrylonitrile

Concen: 2.900 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 41 Resp: 3656

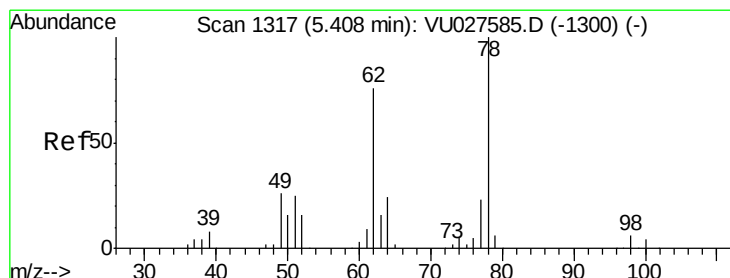
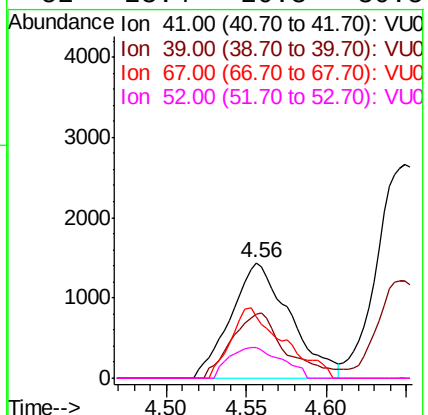
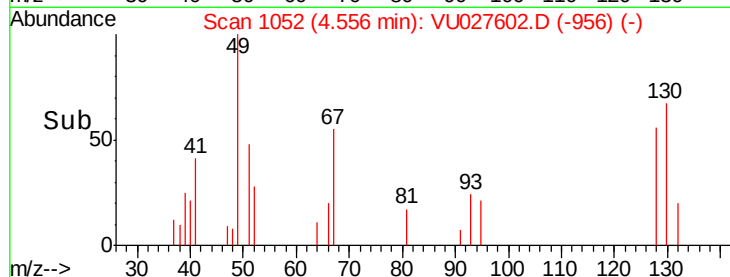
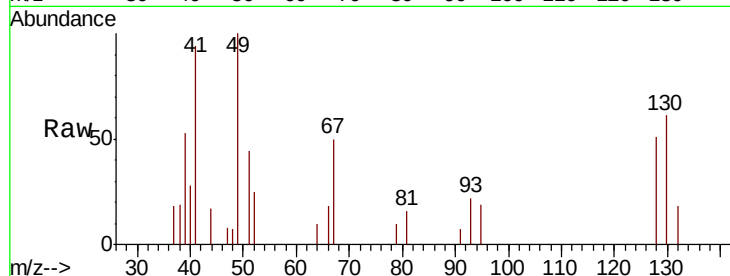
Ion Ratio Lower Upper

41 100

39 52.1 41.1 61.7

67 53.4 50.4 75.6

52 23.4 20.3 30.5



#42

1,2-Dichloroethane

Concen: 2.545 ug/l

RT: 5.41 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VU027602.D

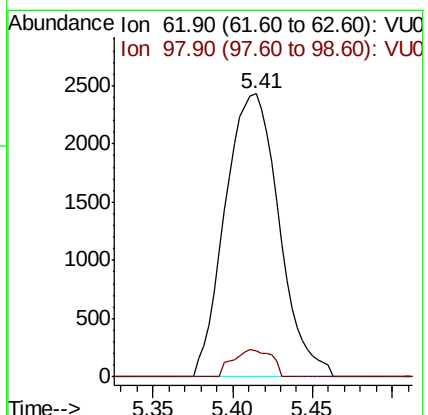
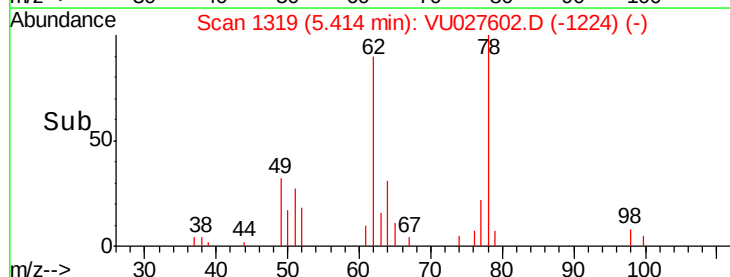
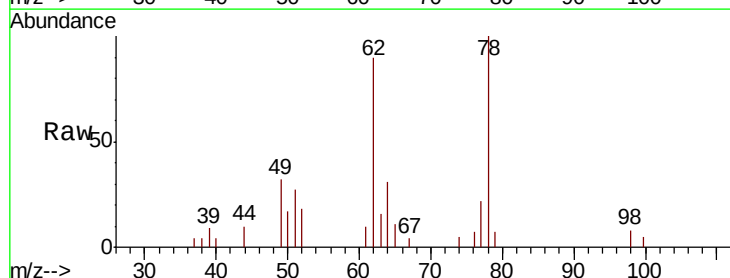
Acq: 11 Oct 2018 16:30

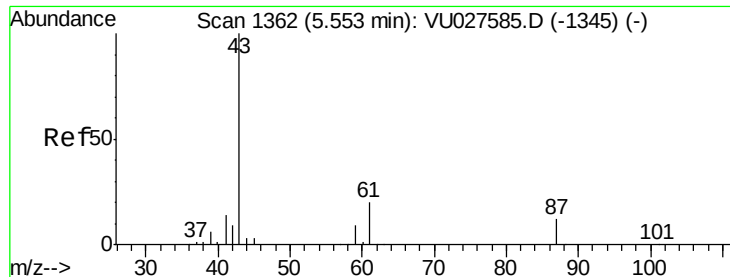
Tgt Ion: 62 Resp: 5609

Ion Ratio Lower Upper

62 100

98 6.8 0.0 16.8





#43

Isopropyl Acetate

Concen: 2.431 ug/l

RT: 5.56 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

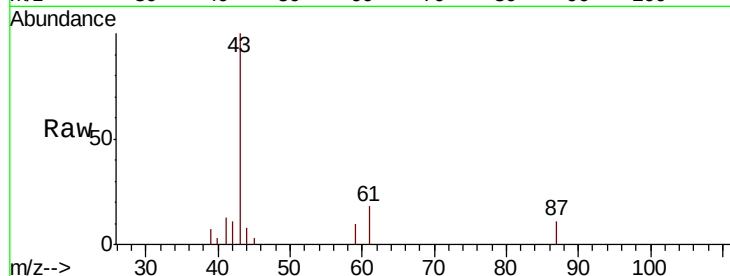
Tgt Ion: 43 Resp: 9953

Ion Ratio Lower Upper

43 100

61 18.5 15.3 22.9

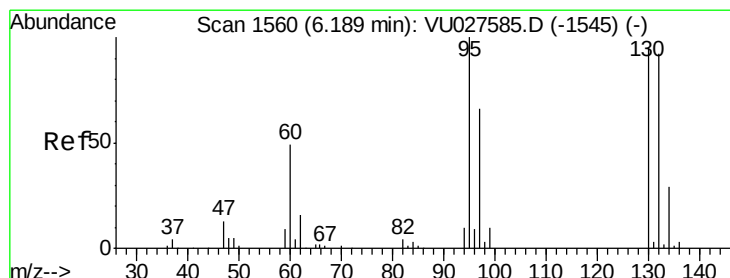
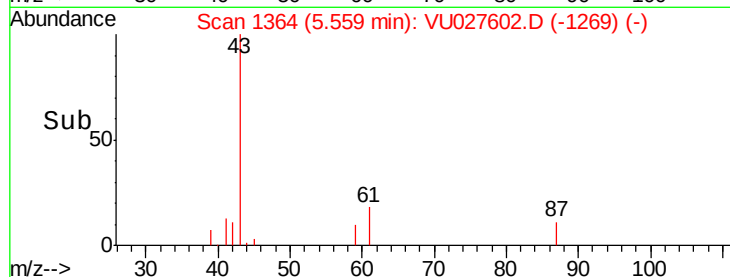
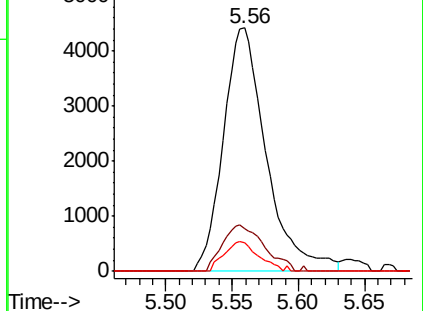
87 9.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-1345) (-)

Ion 61.00 (60.70 to 61.70): VU027585.D (-1345) (-)

Ion 87.00 (86.70 to 87.70): VU027585.D (-1345) (-)



#44

Trichloroethene

Concen: 2.447 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027602.D

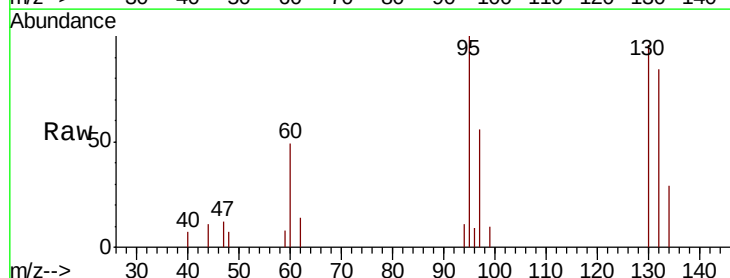
Acq: 11 Oct 2018 16:30

Tgt Ion: 130 Resp: 3220

Ion Ratio Lower Upper

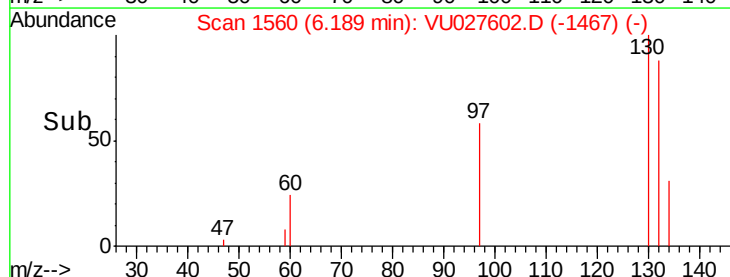
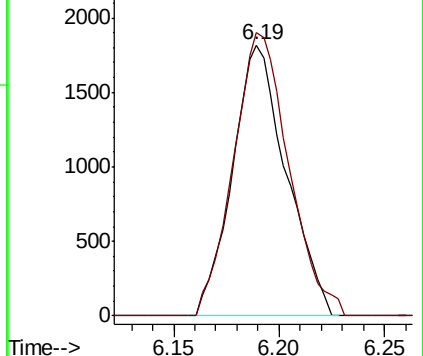
130 100

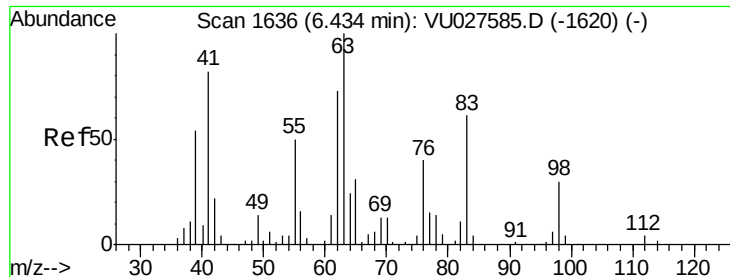
95 104.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027585.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027585.D (-1545) (-)

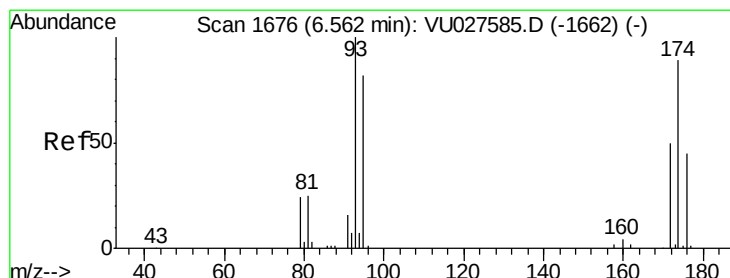
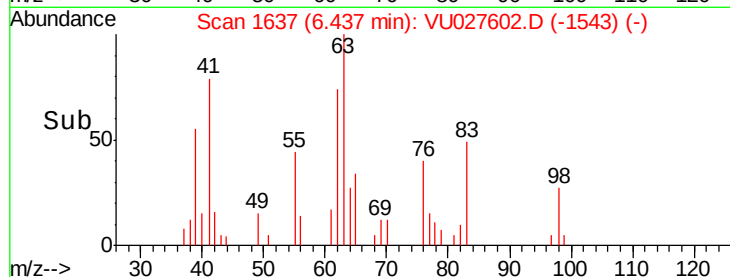
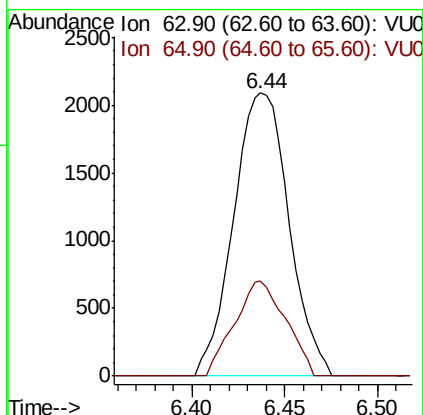
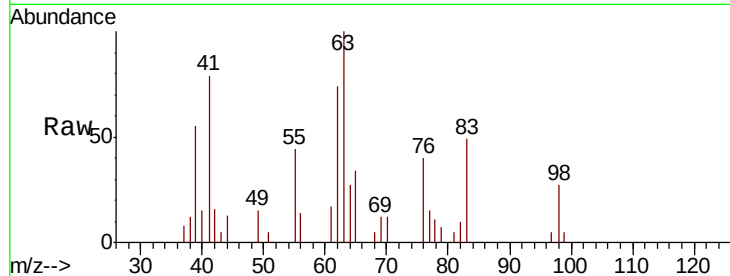




#45
 1,2-Dichloropropane
 Concen: 2.563 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

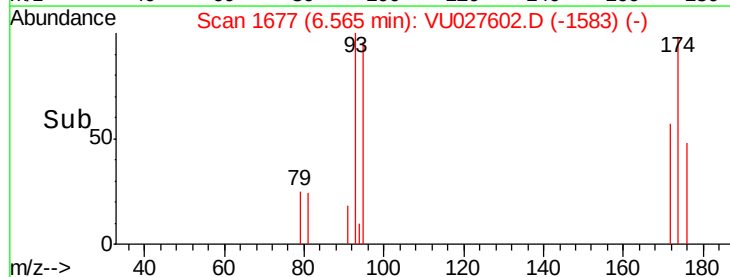
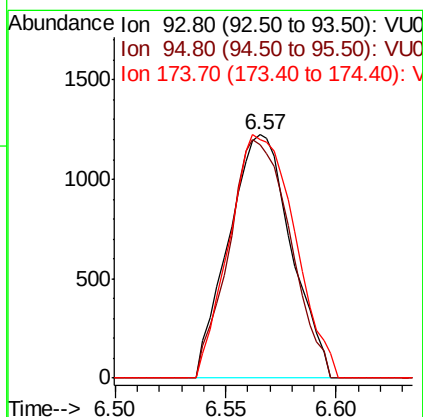
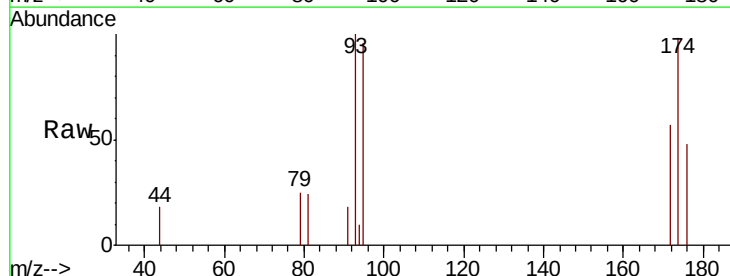
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

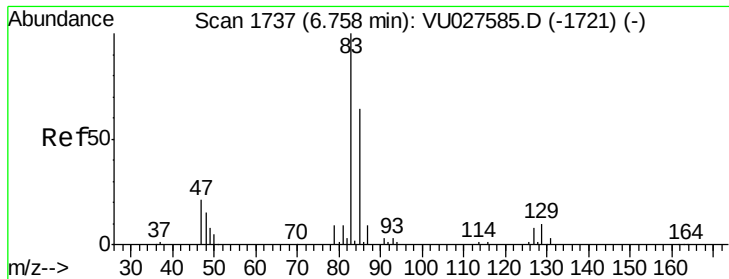
Tgt Ion: 63 Resp: 4349
 Ion Ratio Lower Upper
 63 100
 65 33.8 26.0 39.0



#46
 Dibromomethane
 Concen: 2.406 ug/l
 RT: 6.57 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 93 Resp: 2403
 Ion Ratio Lower Upper
 93 100
 95 96.3 66.5 99.7
 174 104.7 72.5 108.7





#47

Bromodichloromethane

Concen: 2.515 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

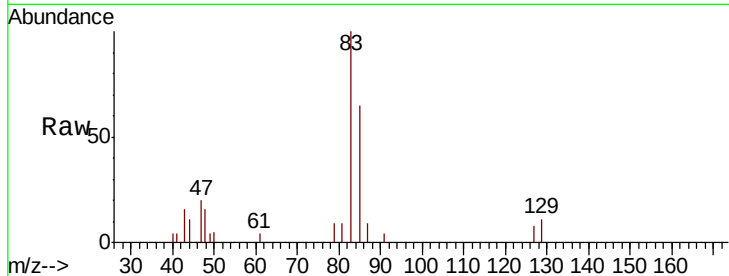
Tgt Ion: 83 Resp: 5053

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.0

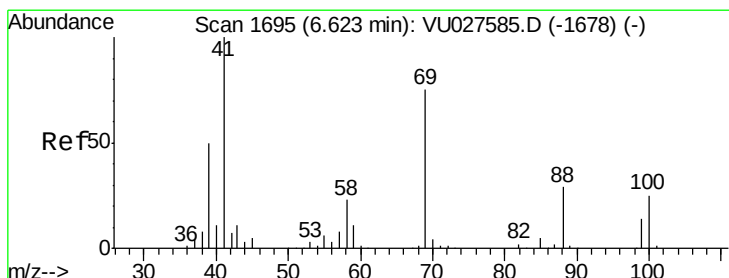
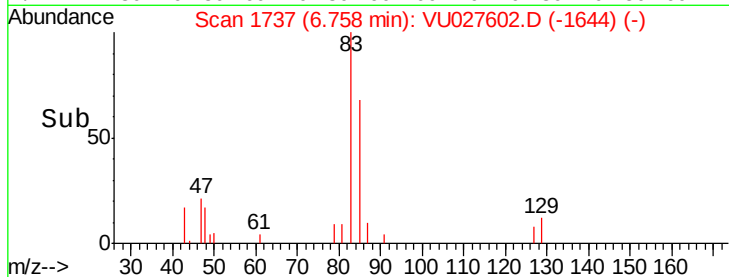
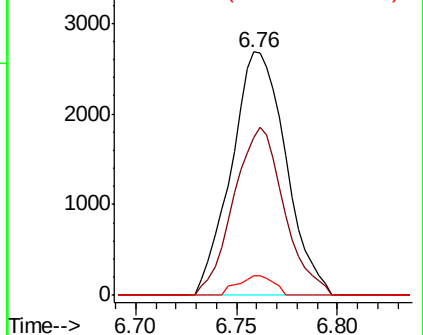
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): VU0



#48

Methyl methacrylate

Concen: 3.468 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

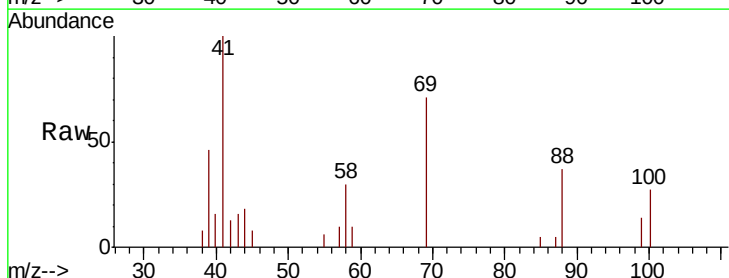
Tgt Ion: 41 Resp: 4579

Ion Ratio Lower Upper

41 100

69 77.7 61.0 91.4

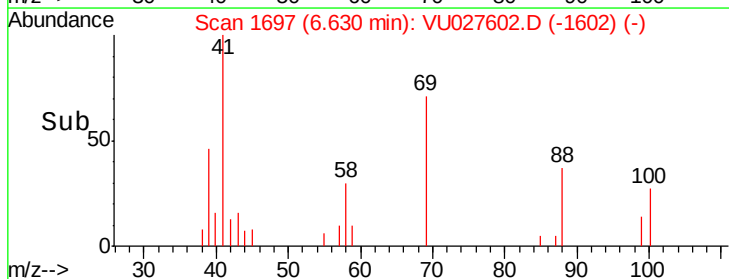
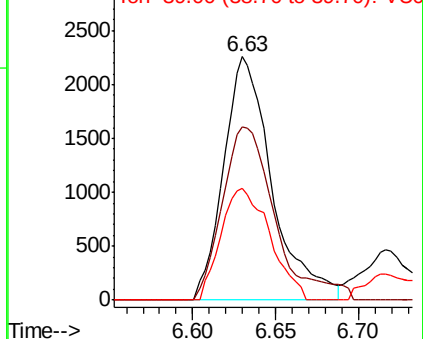
39 46.5 39.9 59.9

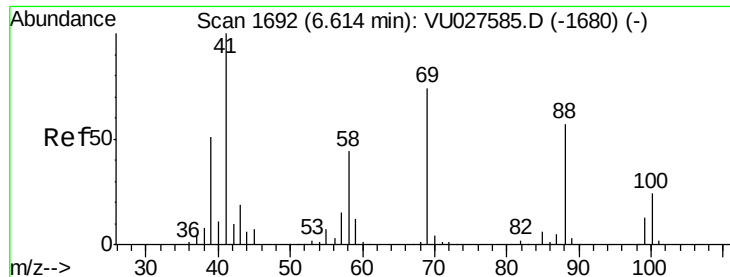


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

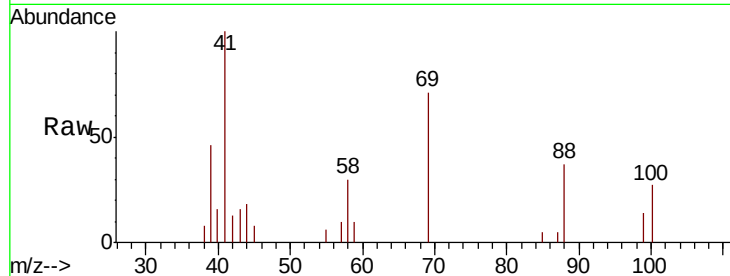




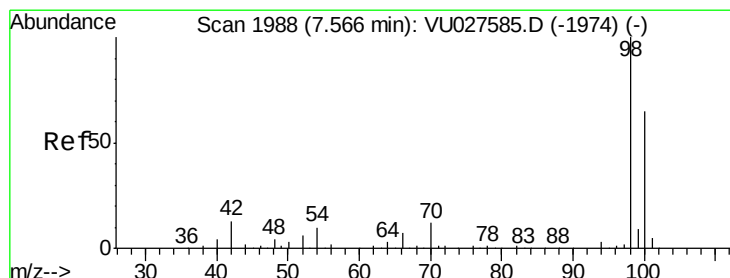
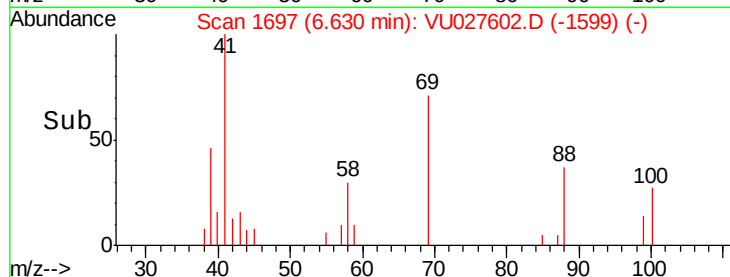
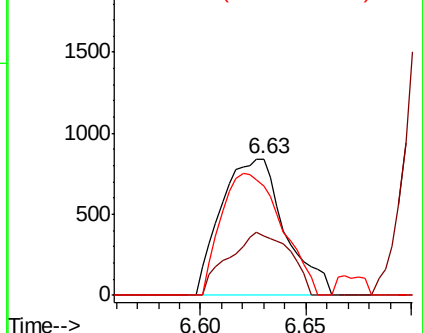
#49
1,4-Dioxane
Concen: 45.239 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 88 Resp: 1772
Ion Ratio Lower Upper
88 100
43 44.2 30.8 46.2
58 84.4 67.0 100.6

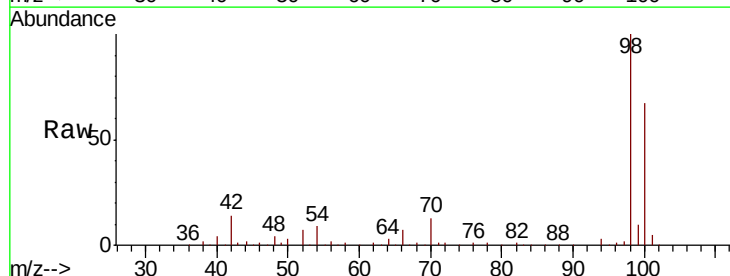


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

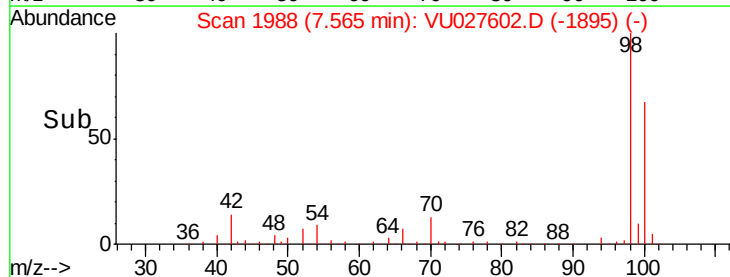
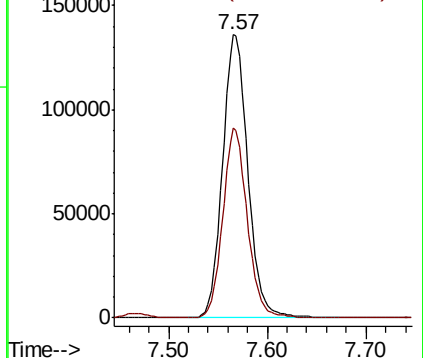


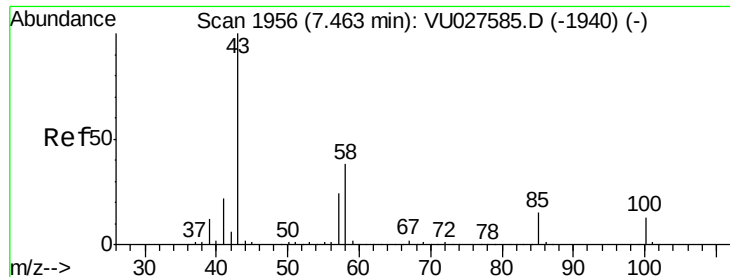
#50
Toluene-d8
Concen: 49.981 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 98 Resp: 244406
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 11.849 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

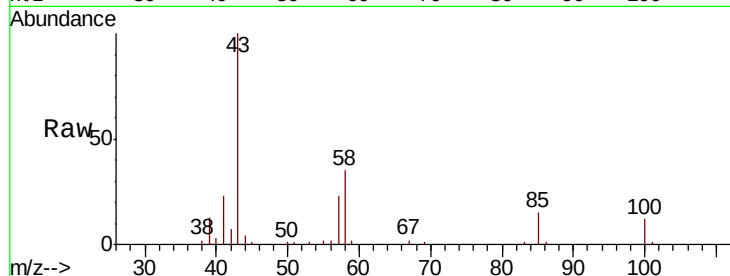
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 32612

Ion Ratio Lower Upper

43 100

58 36.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027585.D (-1940) (-)

7.46

20000

15000

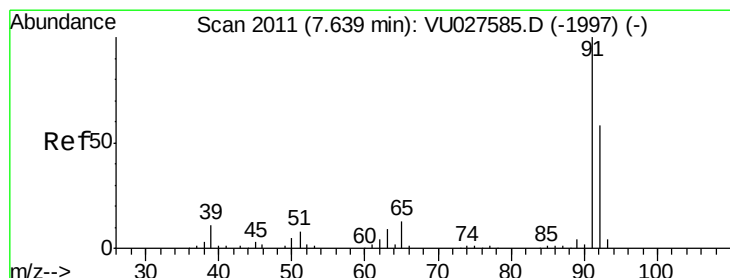
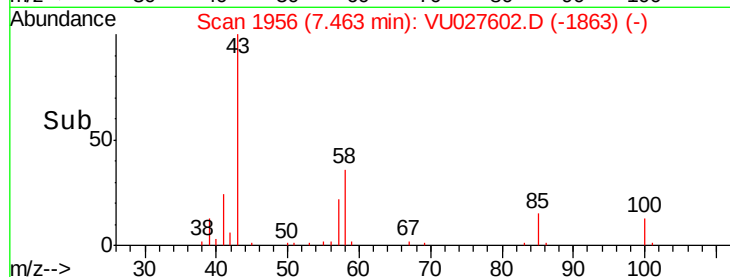
10000

5000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 2.623 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027602.D

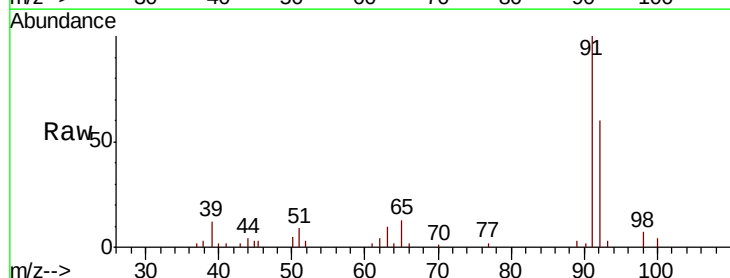
Acq: 11 Oct 2018 16:30

Tgt Ion: 92 Resp: 8946

Ion Ratio Lower Upper

92 100

91 172.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027585.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU027585.D (-1997) (-)

7.64

8000

6000

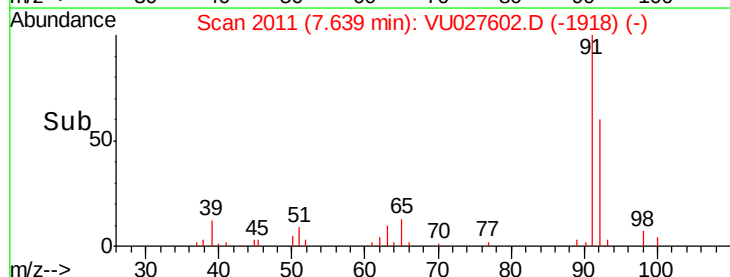
4000

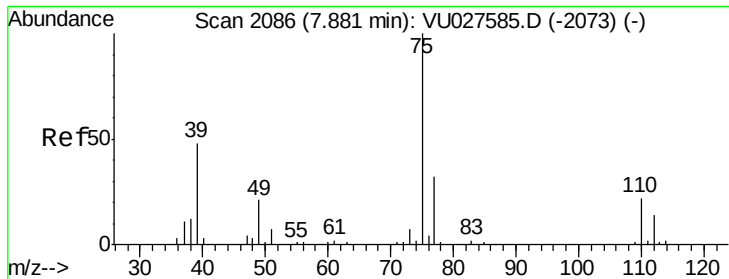
2000

0

7.60 7.65 7.70

Time-->

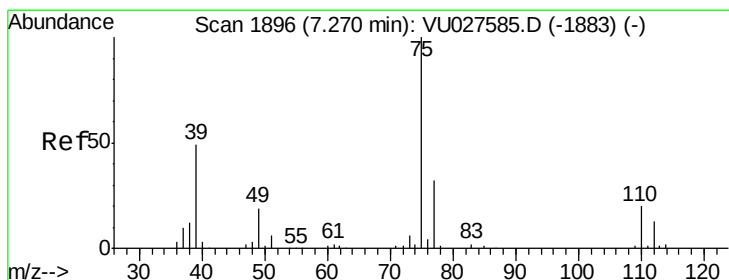
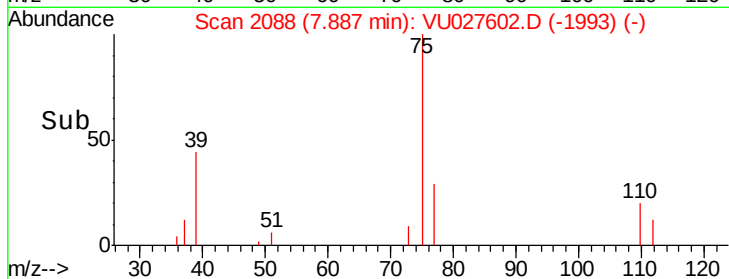
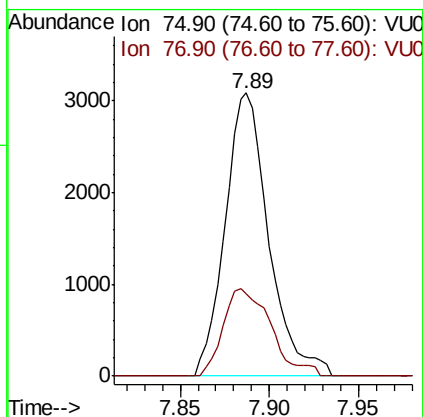
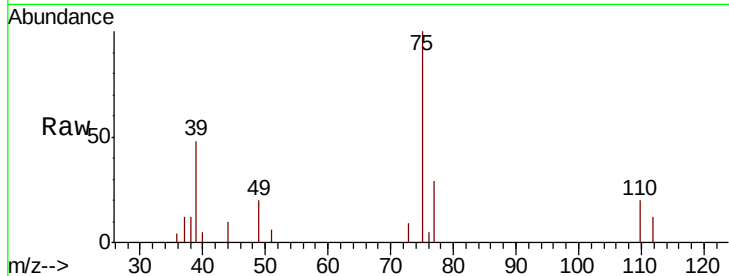




#53
t-1,3-Dichloropropene
Concen: 2.285 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

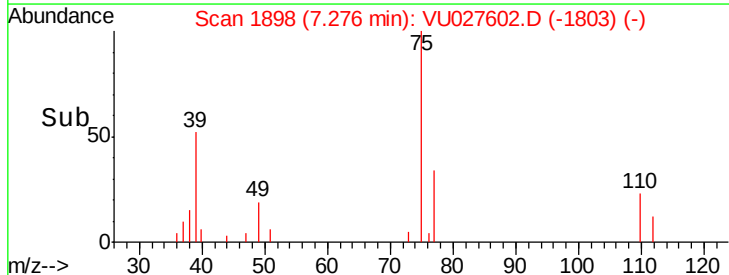
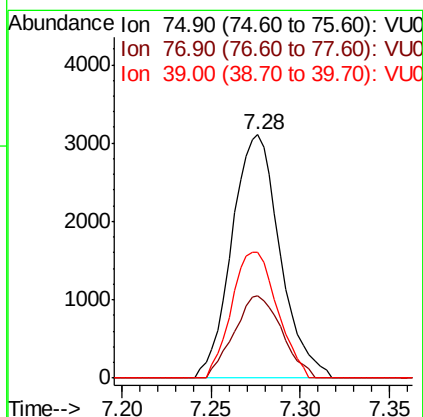
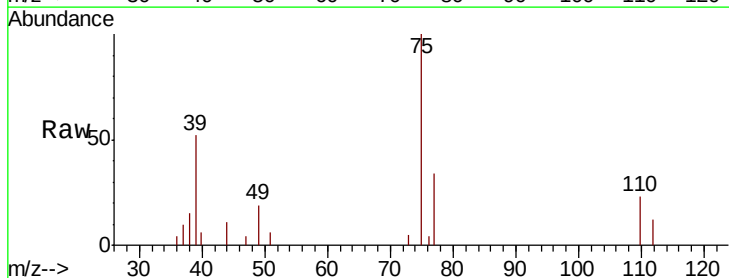
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

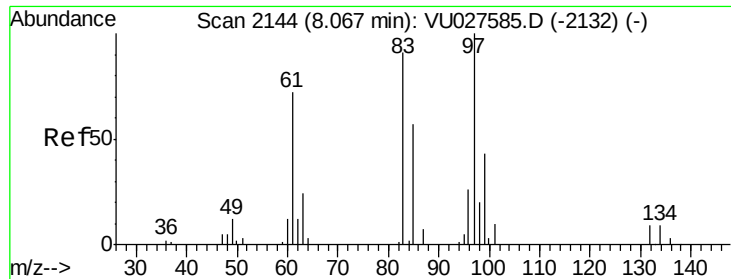
Tgt Ion: 75 Resp: 5226
Ion Ratio Lower Upper
75 100
77 29.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 2.351 ug/l
RT: 7.28 min Scan# 1898
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 75 Resp: 5851
Ion Ratio Lower Upper
75 100
77 33.8 24.5 36.7
39 51.5 40.1 60.1

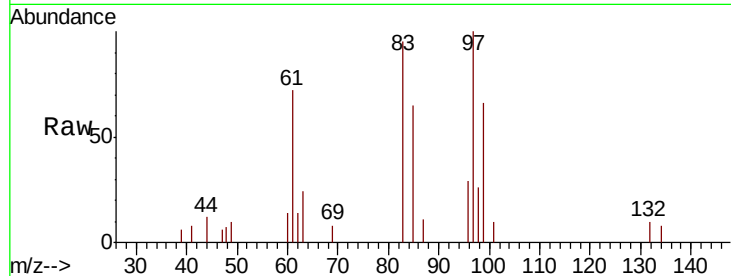




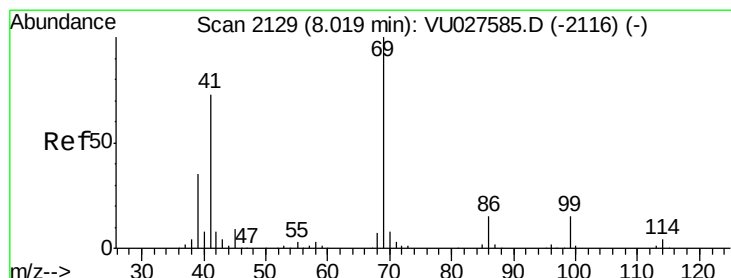
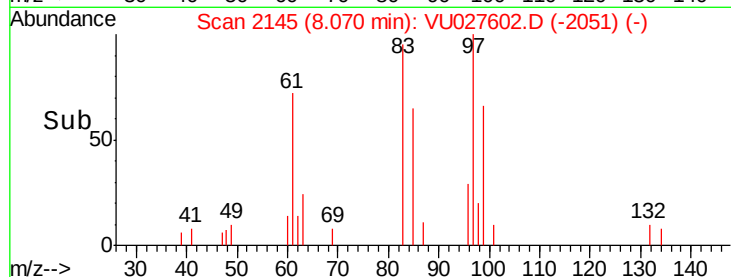
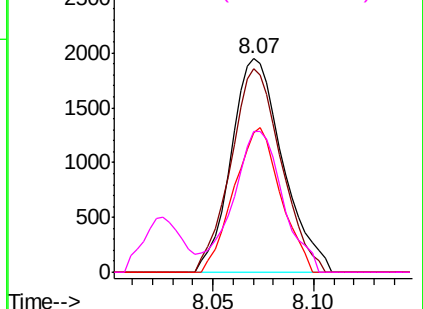
#55
 1,1,2-Trichloroethane
 Concen: 2.475 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 97 Resp: 3484
 Ion Ratio Lower Upper
 97 100
 83 95.3 73.0 109.6
 85 65.5 47.3 70.9
 99 65.9 49.7 74.5

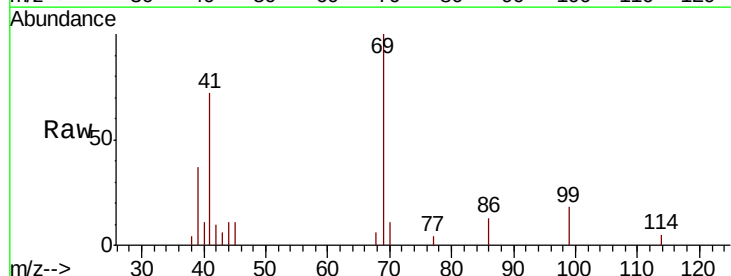


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

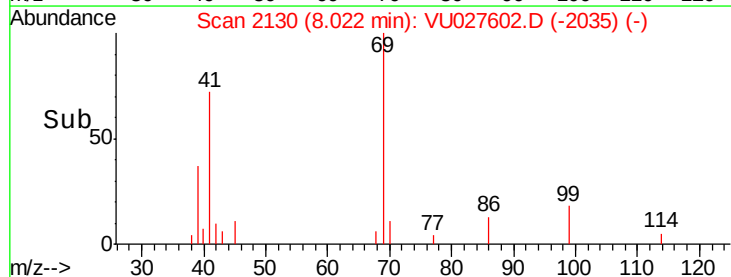
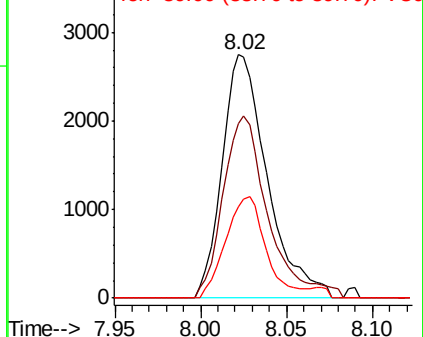


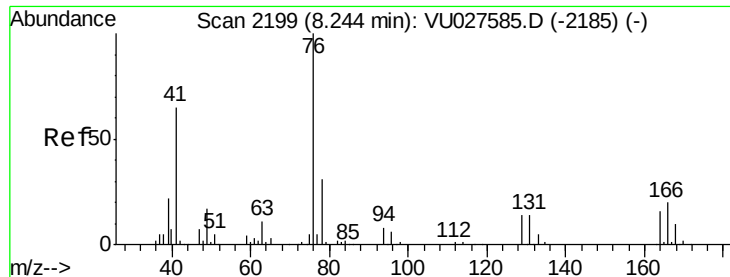
#56
 Ethyl methacrylate
 Concen: 4.031 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 69 Resp: 5034
 Ion Ratio Lower Upper
 69 100
 41 74.4 60.0 90.0
 39 37.2 29.5 44.3



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

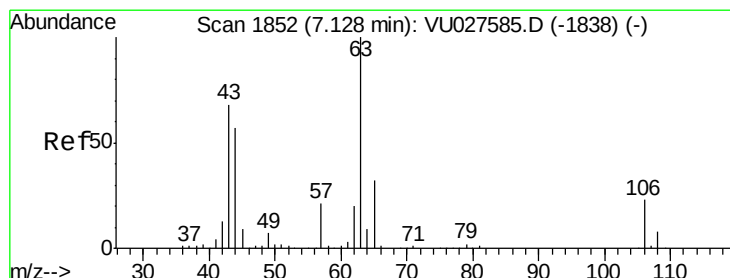
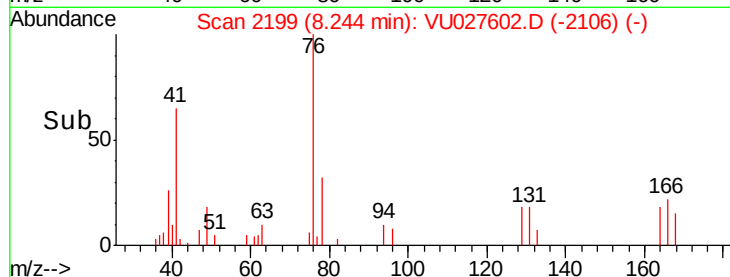
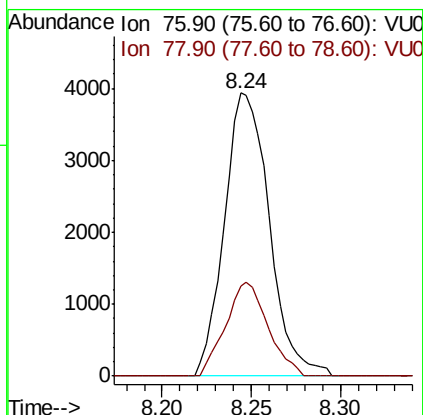
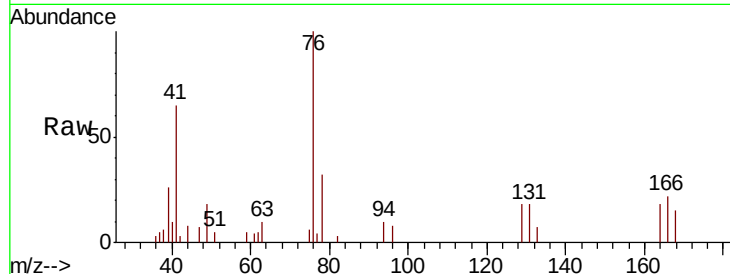




#57
 1,3-Dichloropropane
 Concen: 2.583 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

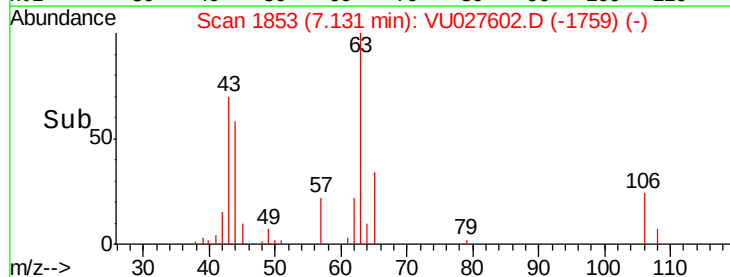
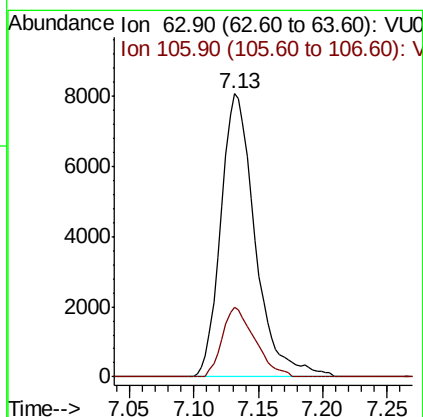
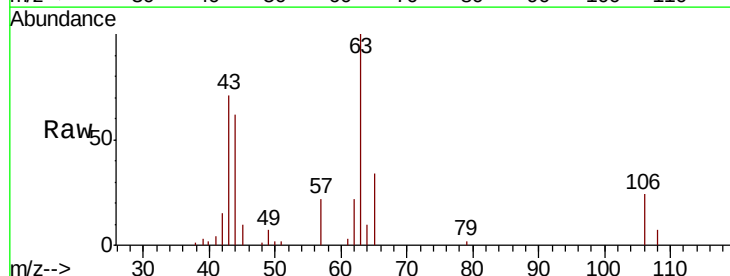
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

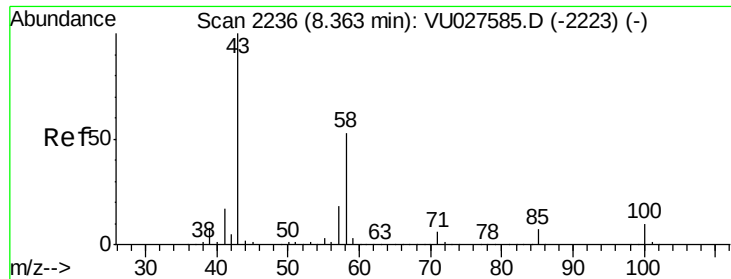
Tgt Ion: 76 Resp: 6907
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.682 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 63 Resp: 14944
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.5 27.7

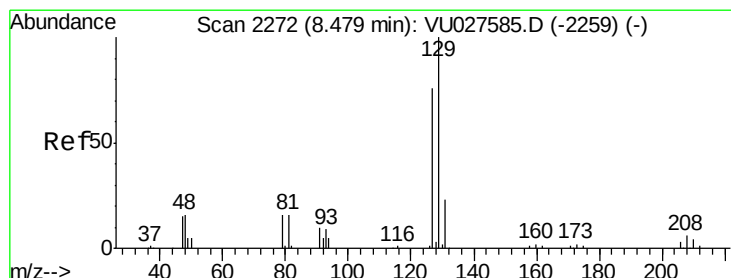
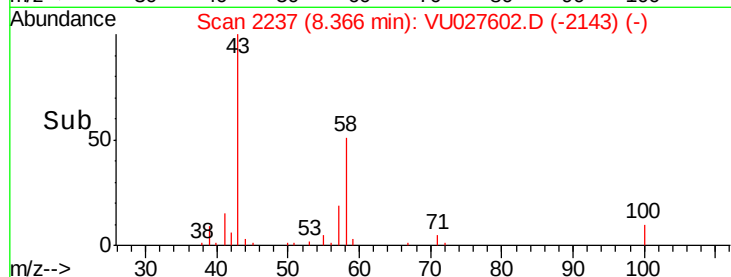
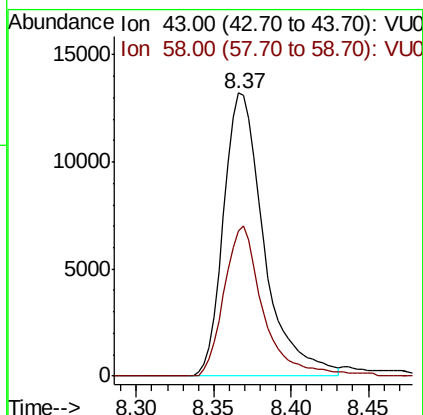
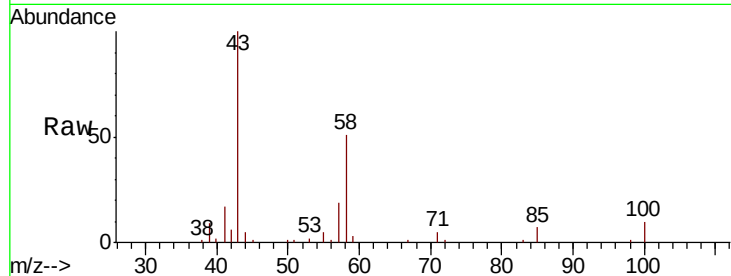




#59
2-Hexanone
Concen: 11.180 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

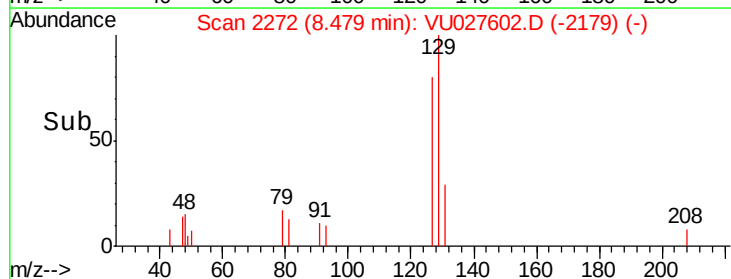
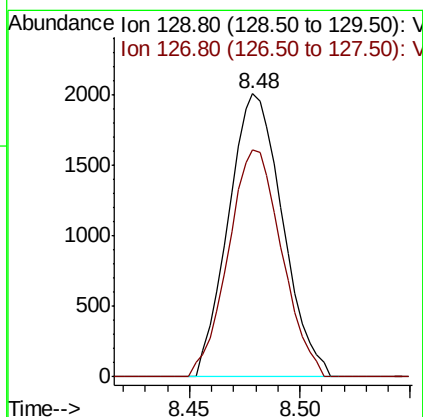
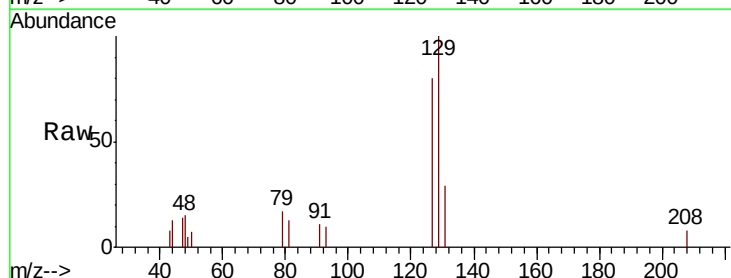
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

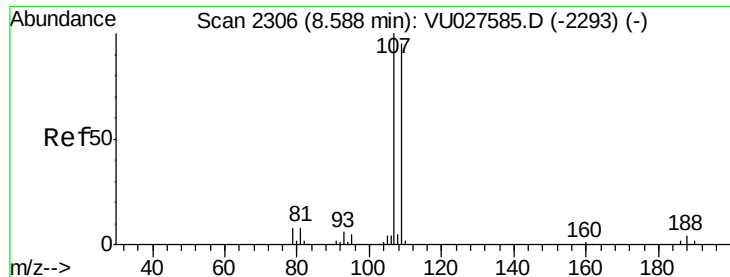
Tgt Ion: 43 Resp: 24003
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.3



#60
Dibromochloromethane
Concen: 2.426 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 129 Resp: 3413
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.2

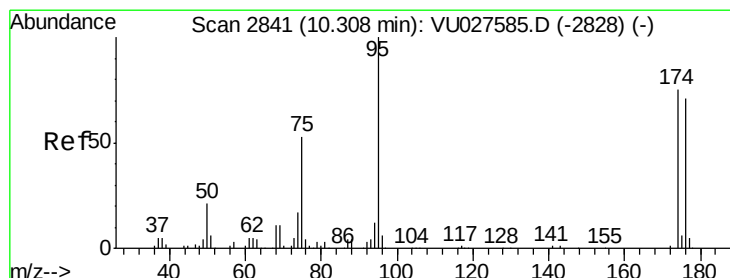
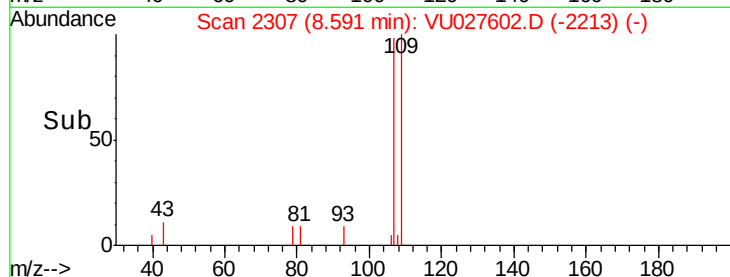
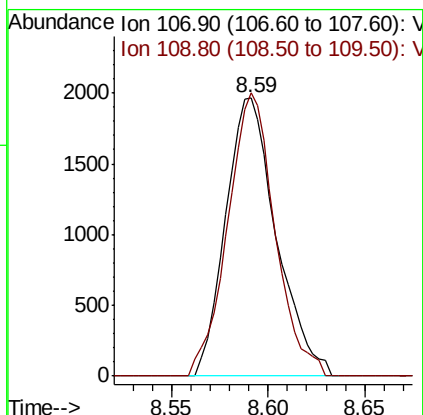
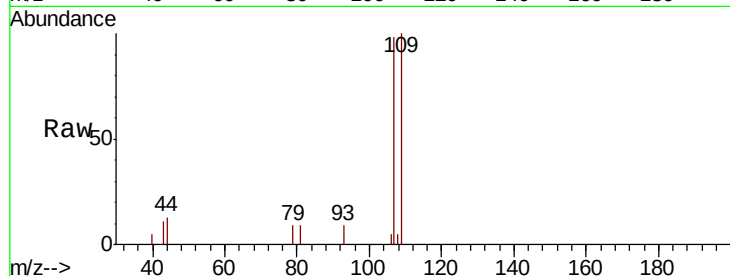




#61
 1,2-Dibromoethane
 Concen: 2.417 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

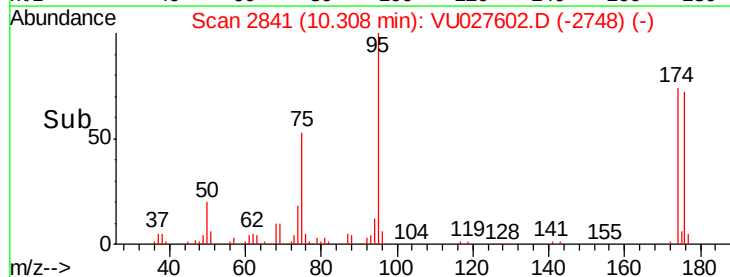
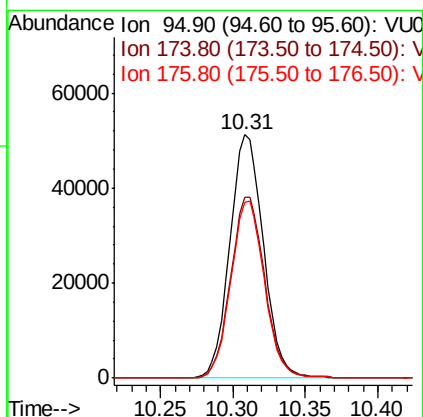
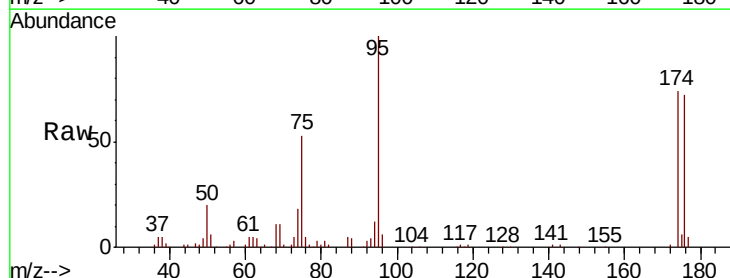
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

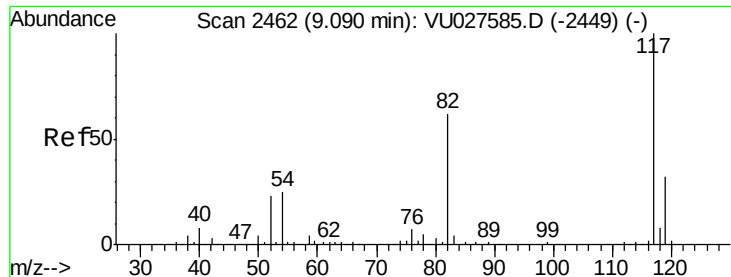
Tgt Ion: 107 Resp: 3582
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 46.494 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 95 Resp: 82003
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 147.8
 176 73.1 0.0 140.8

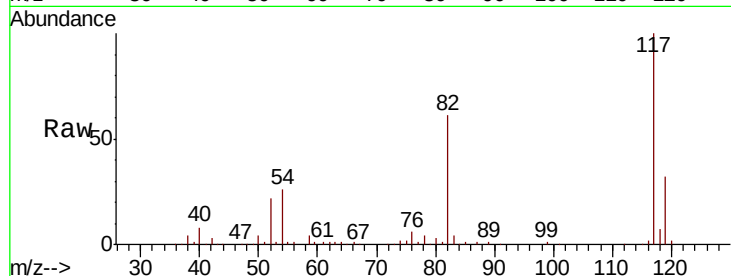




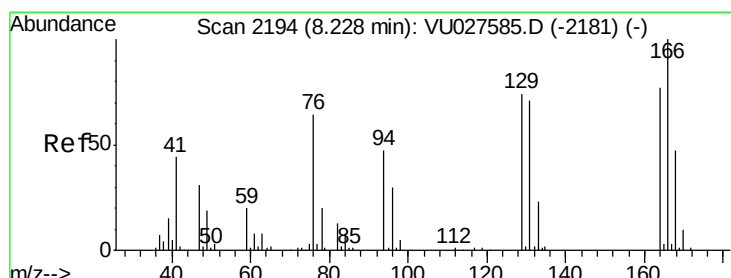
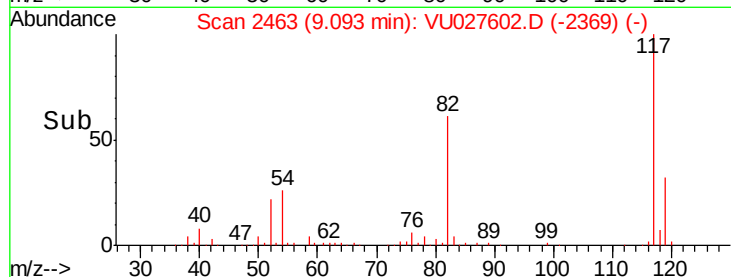
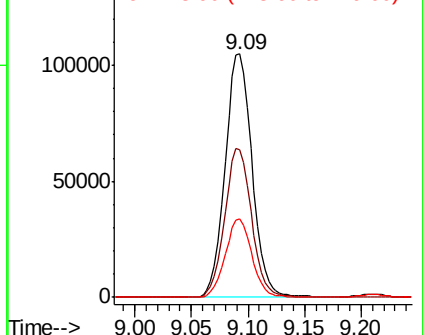
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:117 Resp: 174581
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.1 25.7 38.5



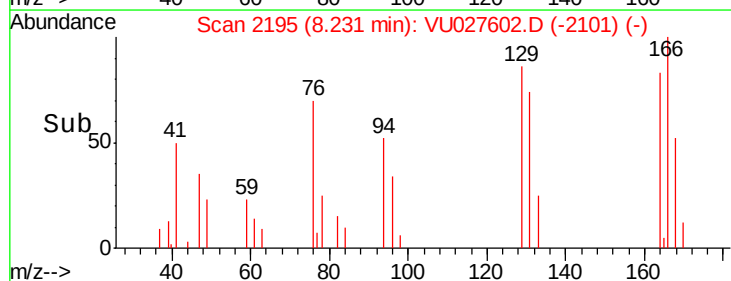
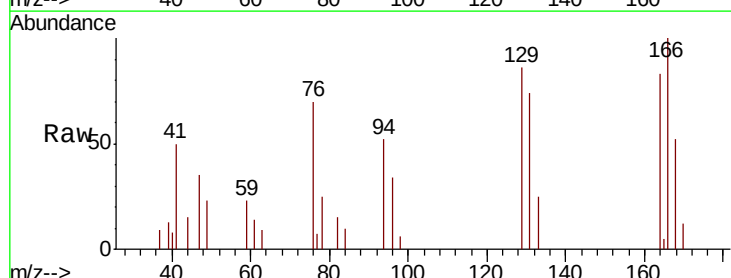
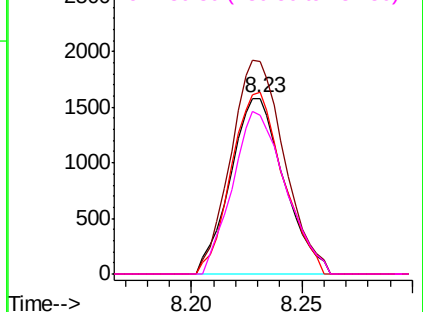
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

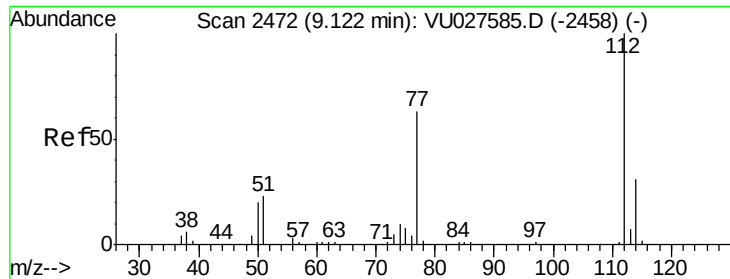


#64
Tetrachloroethene
Concen: 2.455 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion:164 Resp: 2662
Ion Ratio Lower Upper
164 100
166 120.9 101.0 151.6
129 103.5 78.0 117.0
131 90.0 72.6 109.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

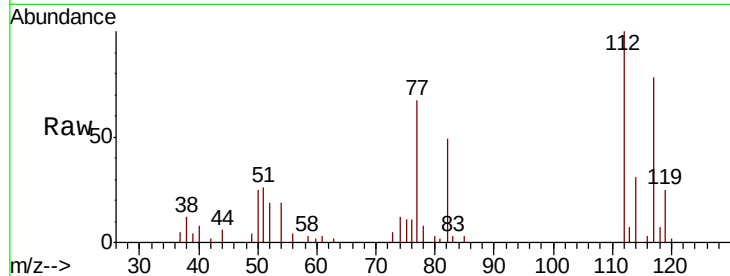




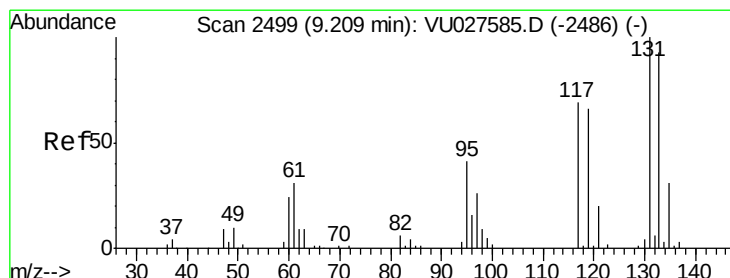
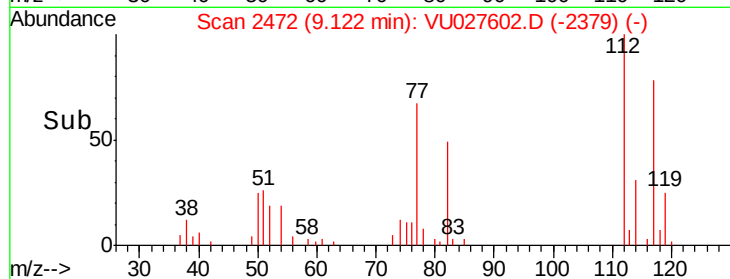
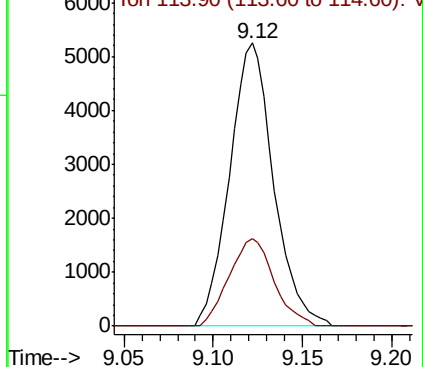
#65
Chlorobenzene
Concen: 2.495 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:112 Resp: 9035
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6

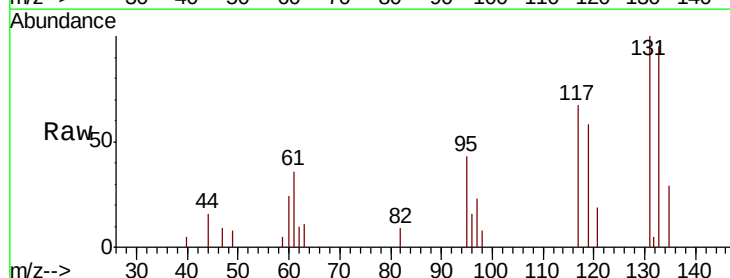


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

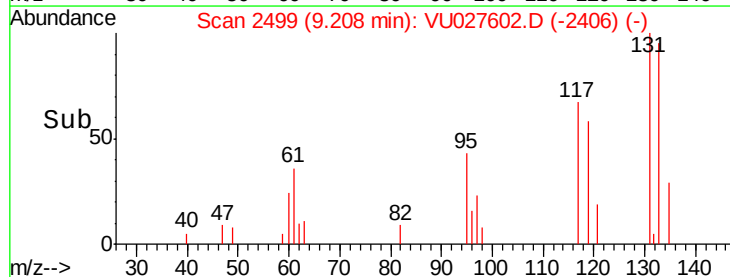
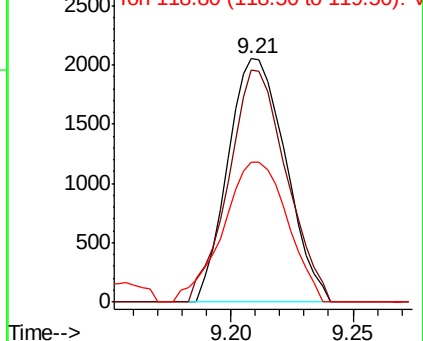


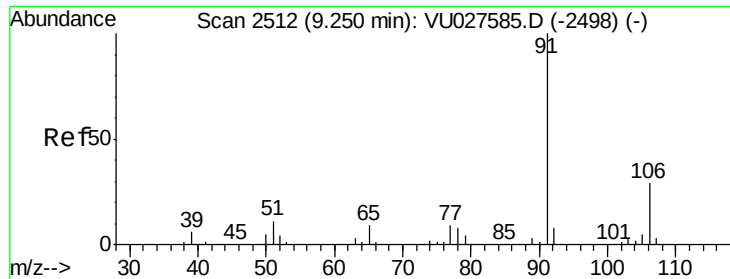
#66
1,1,1,2-Tetrachloroethane
Concen: 2.727 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion:131 Resp: 3376
Ion Ratio Lower Upper
131 100
133 95.2 48.5 145.6
119 64.1 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

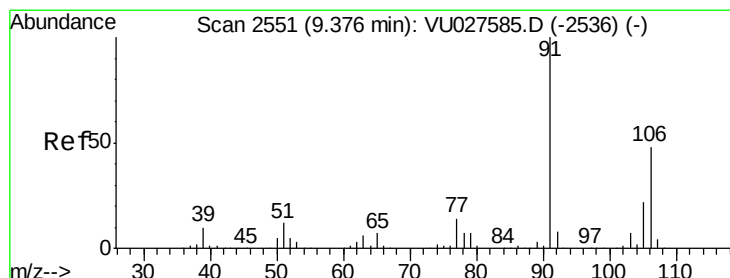
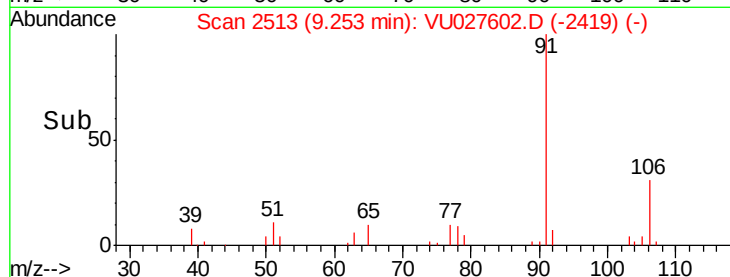
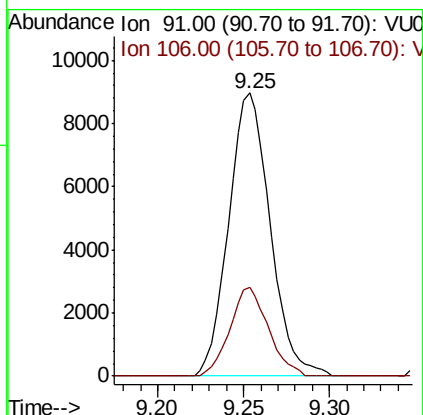
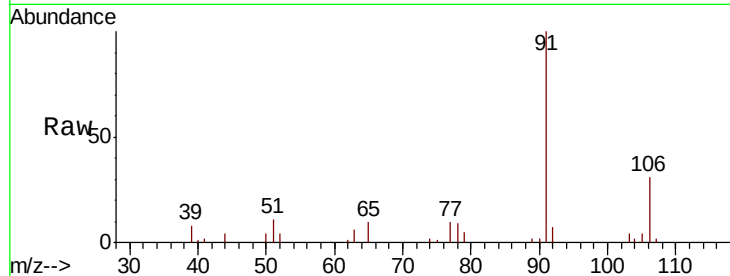




#67
Ethyl Benzene
Concen: 2.429 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

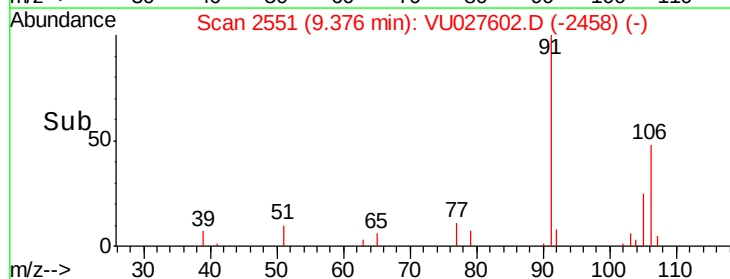
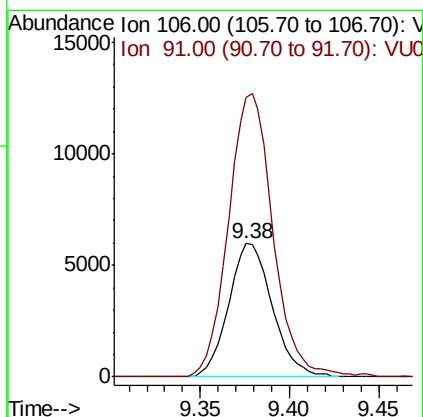
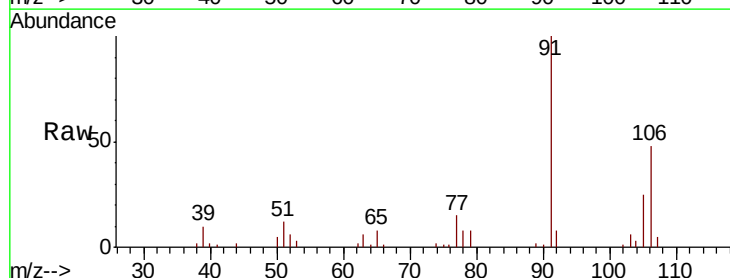
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

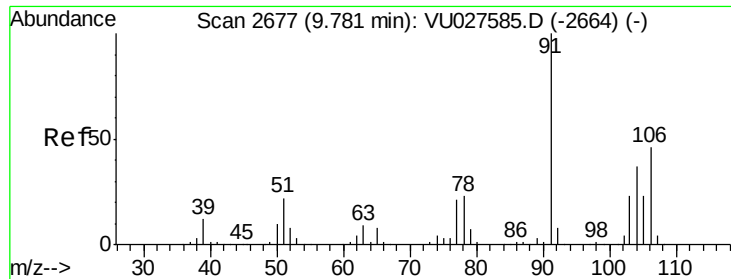
Tgt Ion: 91 Resp: 15090
Ion Ratio Lower Upper
91 100
106 31.4 23.6 35.4



#68
m/p-Xylenes
Concen: 4.490 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 106 Resp: 10184
Ion Ratio Lower Upper
106 100
91 216.3 168.1 252.1

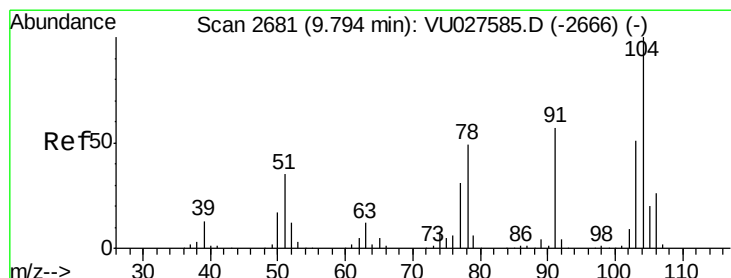
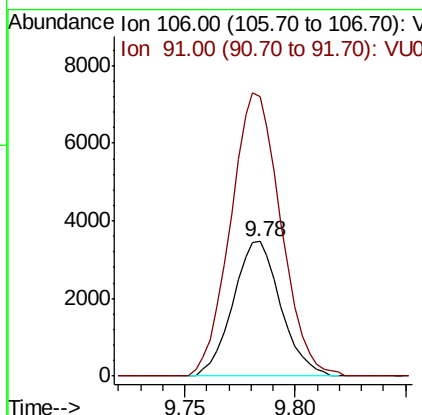
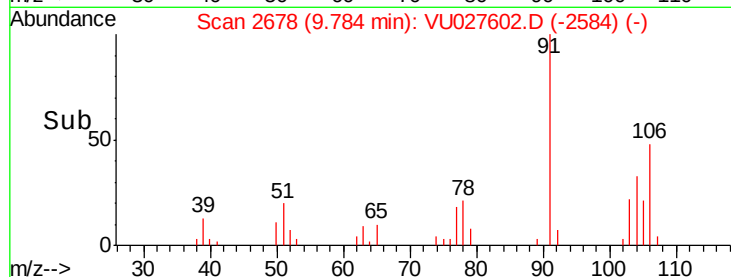
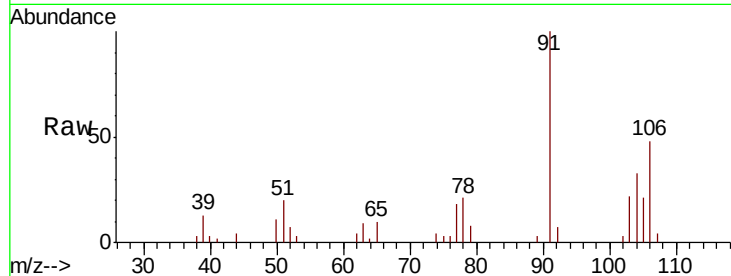




#69
o-Xylene
Concen: 2.366 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

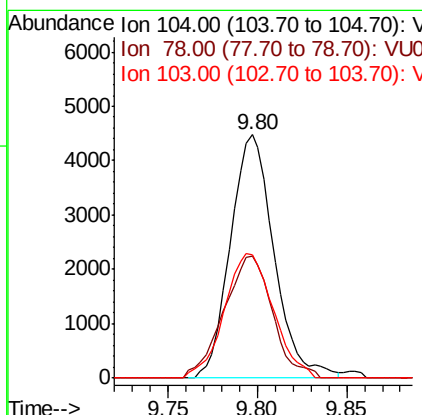
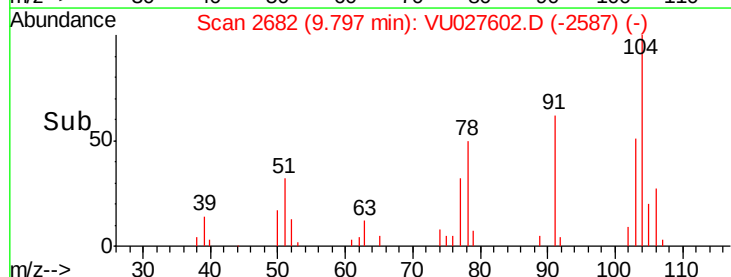
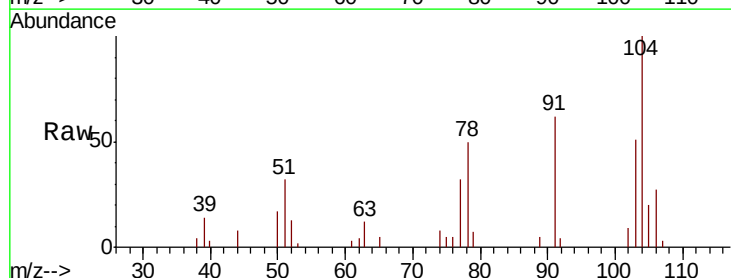
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

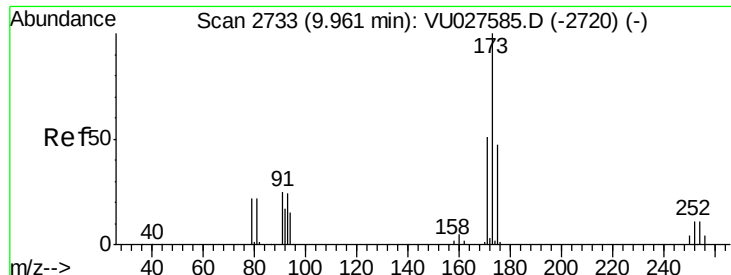
Tgt Ion:106 Resp: 5217
Ion Ratio Lower Upper
106 100
91 221.1 111.7 334.9



#70
Styrene
Concen: 3.087 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion:104 Resp: 7636
Ion Ratio Lower Upper
104 100
78 55.5 42.9 64.3
103 57.0 43.9 65.9

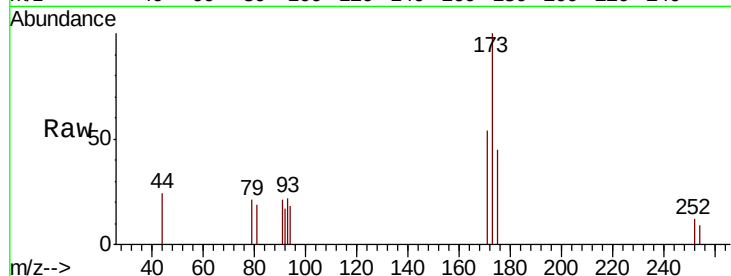




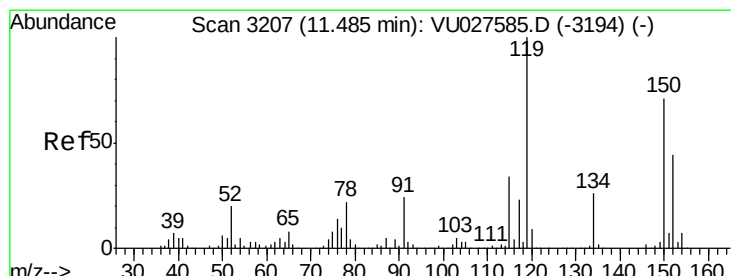
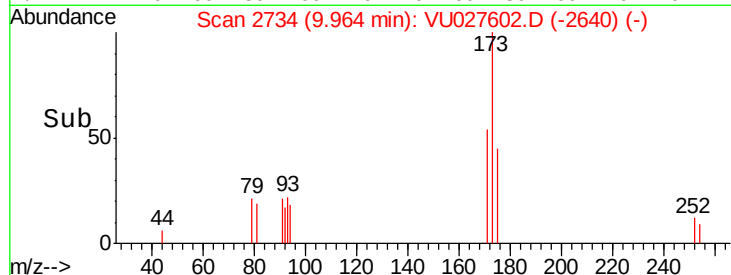
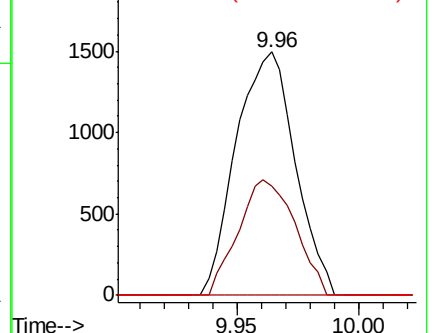
#71
Bromoform
Concen: 2.440 ug/l
RT: 9.96 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:173 Resp: 2512
Ion Ratio Lower Upper
173 100
175 45.5 24.3 73.0
254 0.0 0.0 0.0

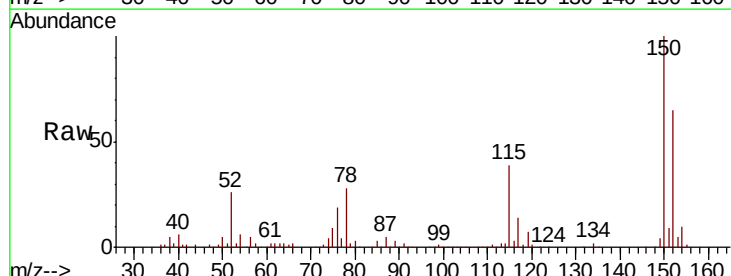


Abundance Ion 172.70 (172.40 to 173.40): V
2000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

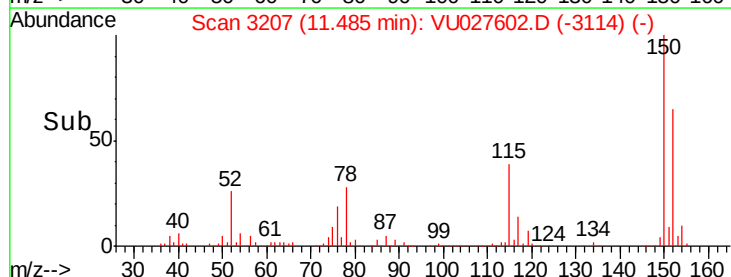
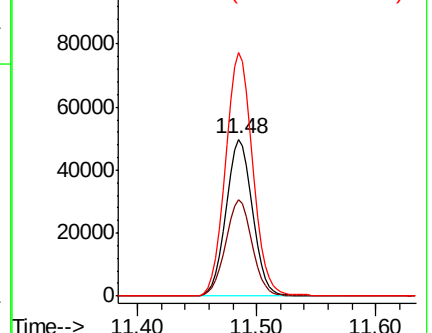


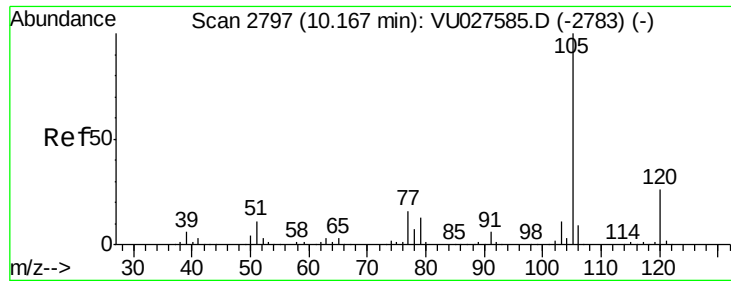
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion:152 Resp: 76928
Ion Ratio Lower Upper
152 100
115 61.4 43.4 130.2
150 159.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
100000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.534 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

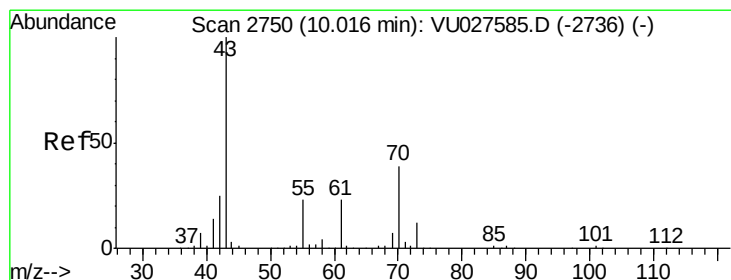
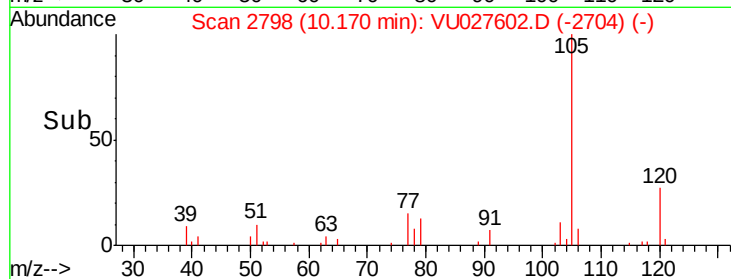
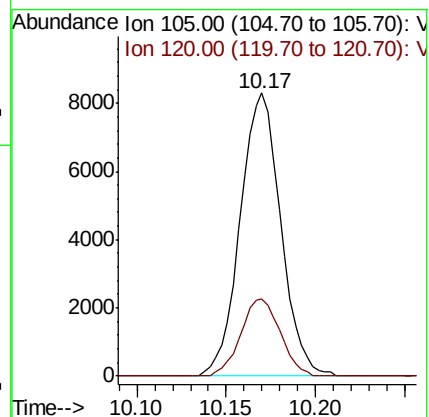
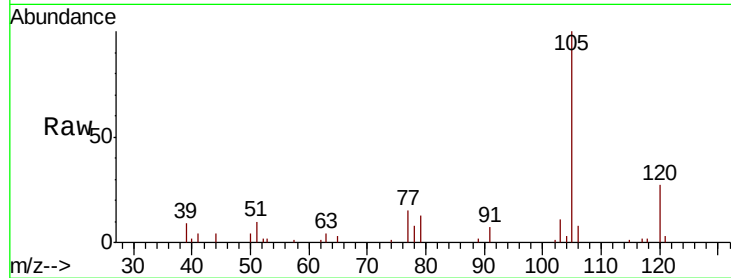
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 105 Resp: 13126

Ion Ratio Lower Upper

105 100

120 26.5 12.6 37.8



#74

N-amyl acetate

Concen: 2.316 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Tgt Ion: 43 Resp: 7076

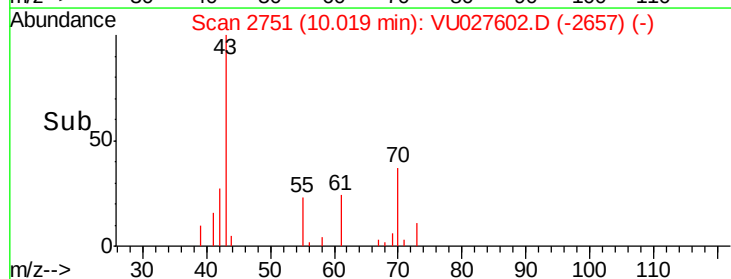
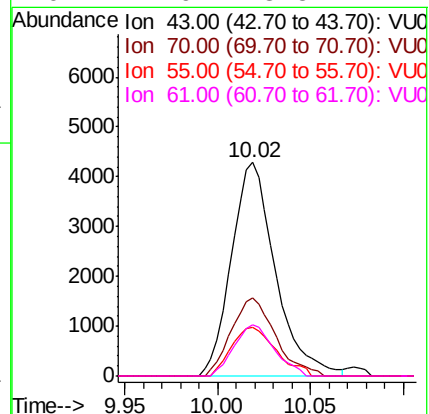
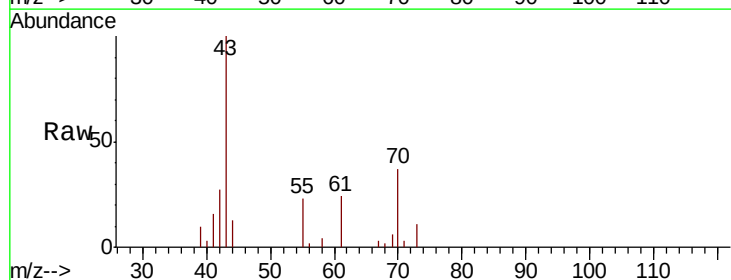
Ion Ratio Lower Upper

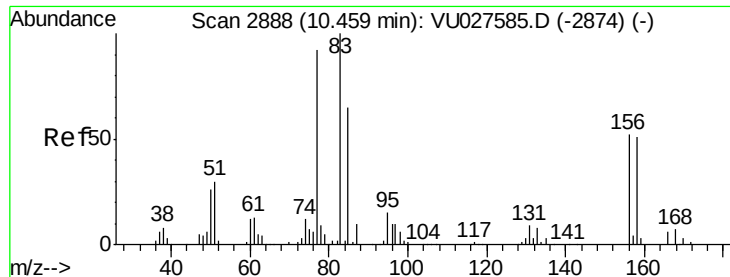
43 100

70 36.4 31.3 46.9

55 23.1 19.0 28.6

61 21.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 2.840 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

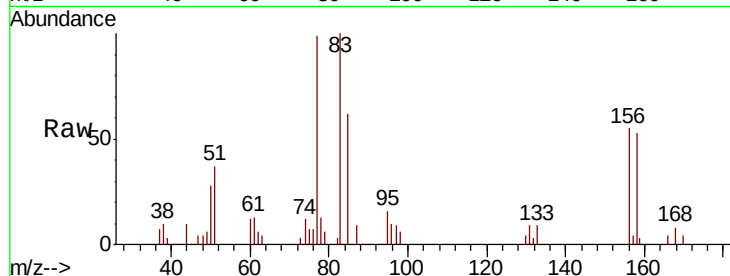
Tgt Ion: 83 Resp: 6328

Ion Ratio Lower Upper

83 100

131 8.5 4.4 13.2

85 59.7 32.0 96.0

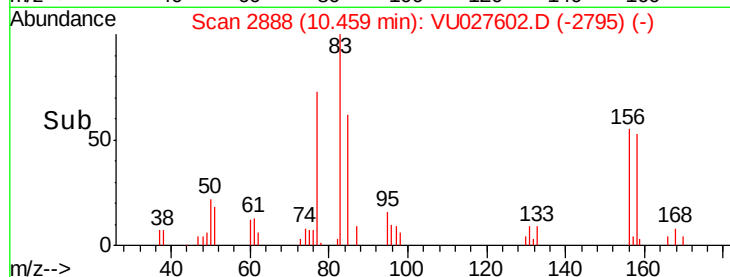


Abundance Ion 82.90 (82.60 to 83.60): VU027602.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027602.D (-2795) (-)

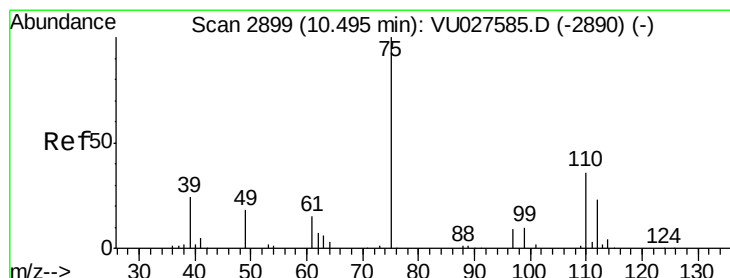
Ion 84.90 (84.60 to 85.60): VU027602.D (-2795) (-)

Time-->



10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 0.725 ug/l

RT: 10.22 min Scan# 2814

Delta R.T. -0.27 min

Lab File: VU027602.D

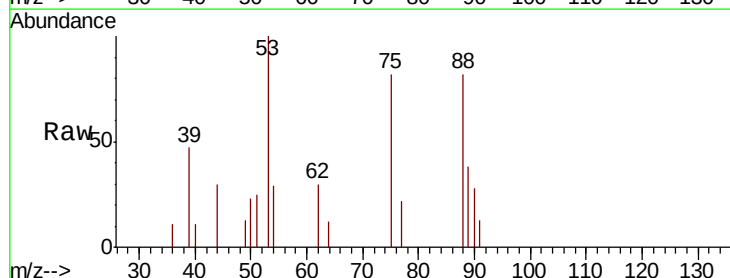
Acq: 11 Oct 2018 16:30

Tgt Ion: 75 Resp: 1600

Ion Ratio Lower Upper

75 100

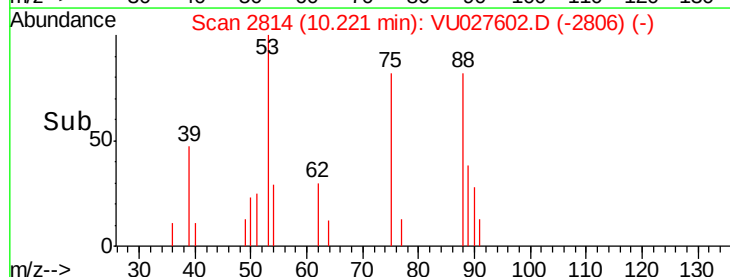
77 29.0 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027602.D (-2806) (-)

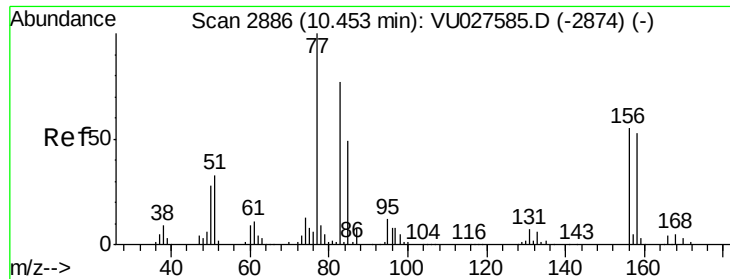
Ion 77.00 (76.70 to 77.70): VU027602.D (-2806) (-)

Time-->



10.22

Time-->



#77

Bromobenzene

Concen: 2.839 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument:

MSVOA_U

ClientSampleId:

LOD-MDL-WATER-01-QT4-2018

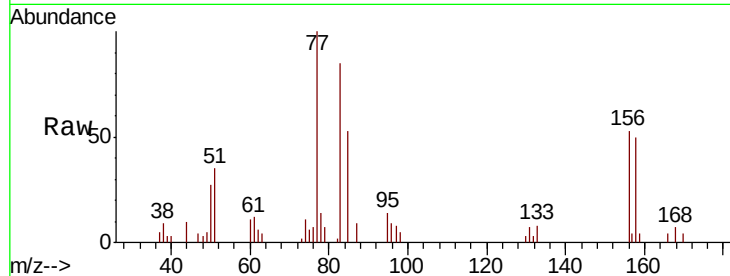
Tgt Ion: 156 Resp: 3602

Ion Ratio Lower Upper

156 100

77 190.0 94.8 284.4

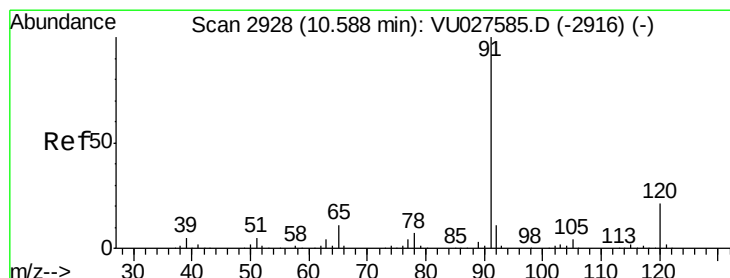
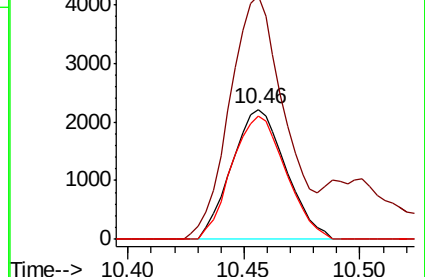
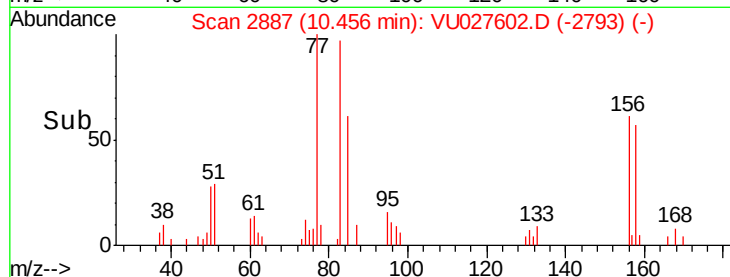
158 94.6 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.514 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027602.D

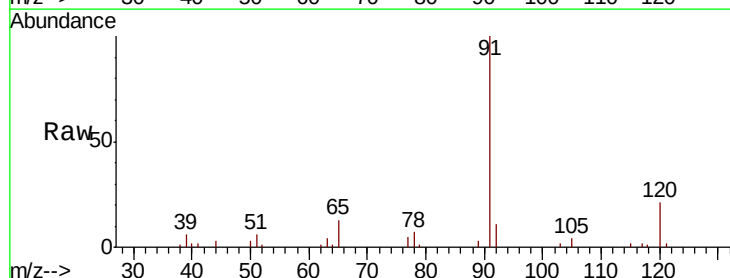
Acq: 11 Oct 2018 16:30

Tgt Ion: 91 Resp: 15805

Ion Ratio Lower Upper

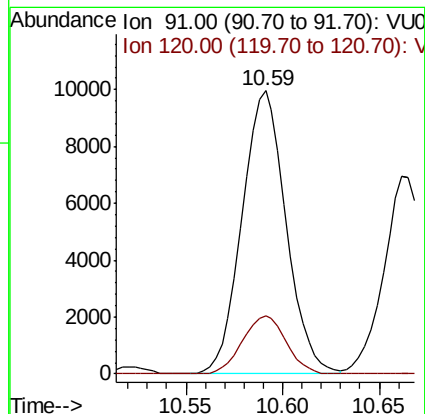
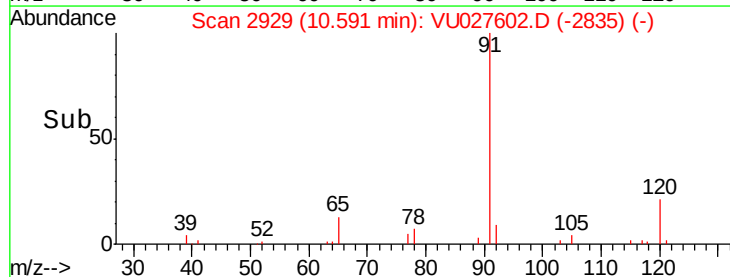
91 100

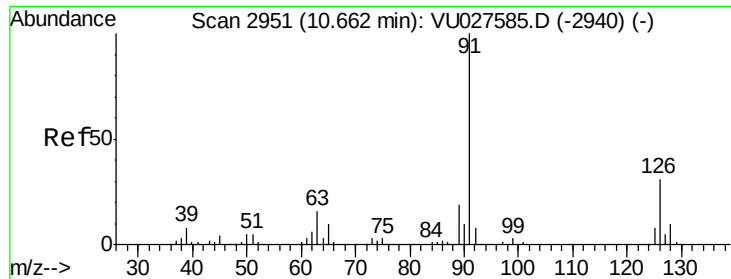
120 20.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

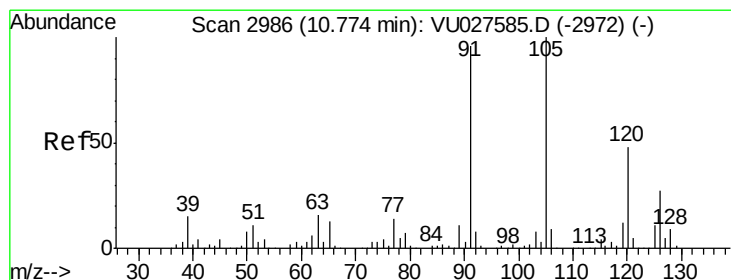
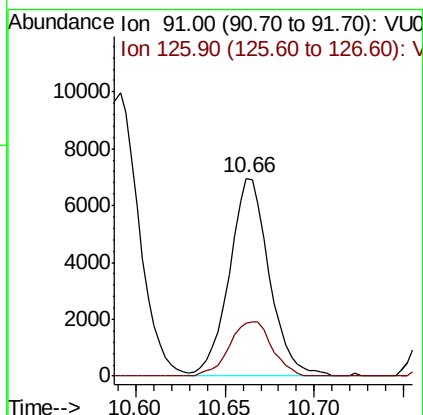
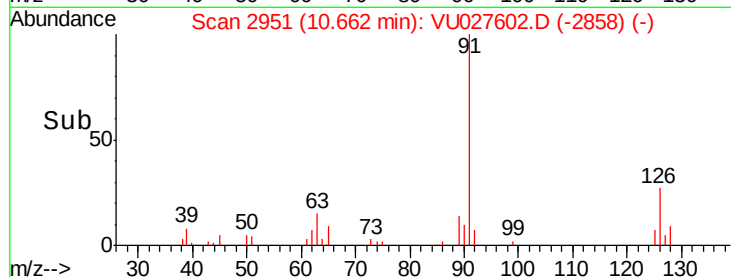
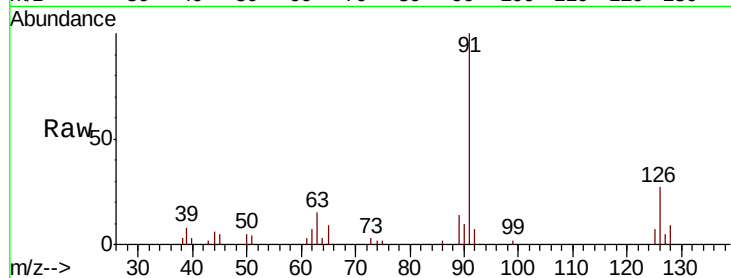




#79
 2-Chlorotoluene
 Concen: 2.819 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

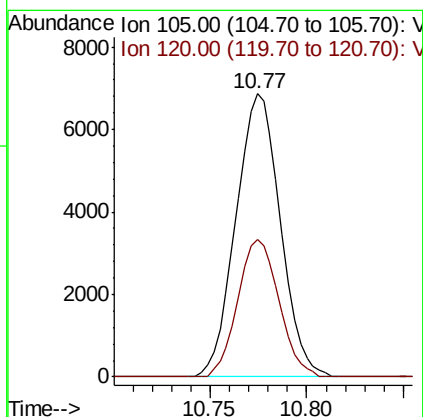
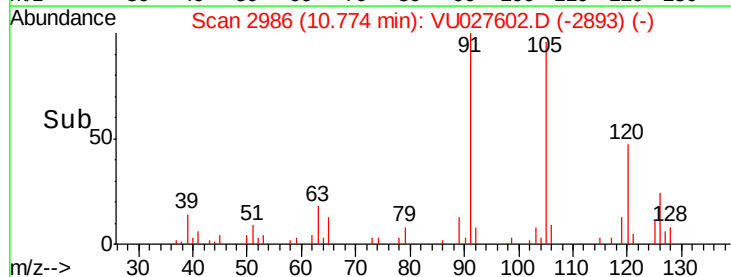
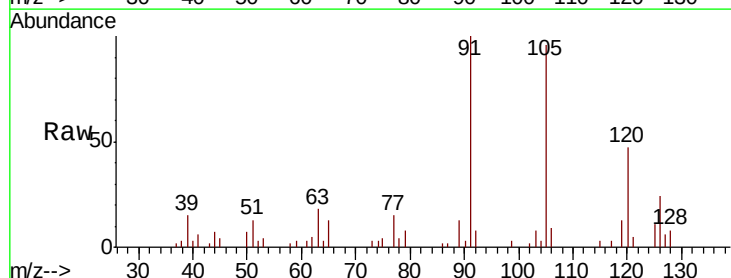
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

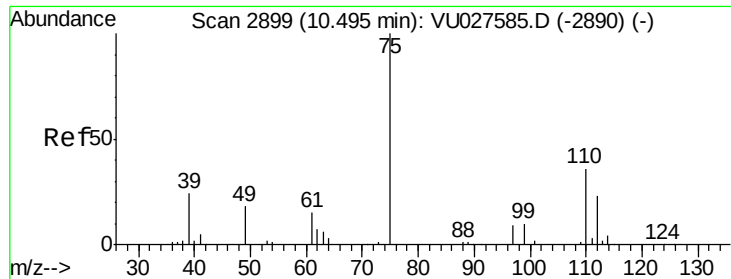
Tgt Ion: 91 Resp: 10871
 Ion Ratio Lower Upper
 91 100
 126 29.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 2.183 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 105 Resp: 10946
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.946 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU027602.D

Acq: 11 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

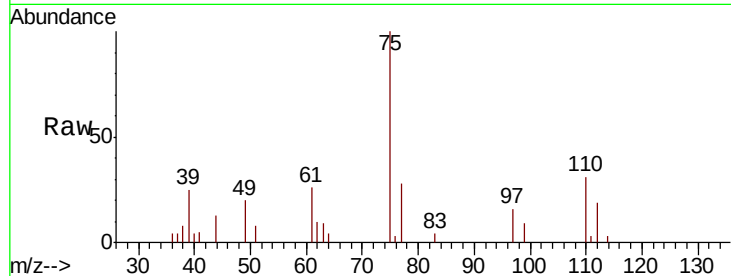
Tgt Ion: 75 Resp: 7389

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

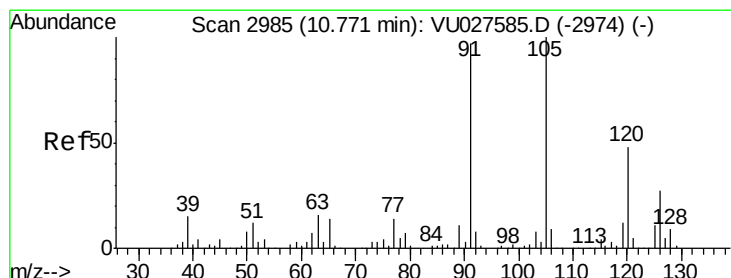
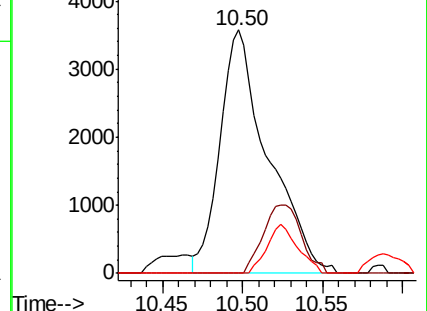
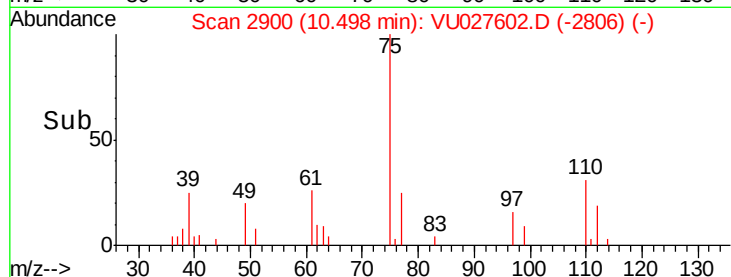
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU027585.D (-2890) (-)

Ion 53.00 (52.70 to 53.70): VU027585.D (-2890) (-)

Ion 88.90 (88.60 to 89.60): VU027585.D (-2890) (-)



#82

4-Chlorotoluene

Concen: 2.681 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027602.D

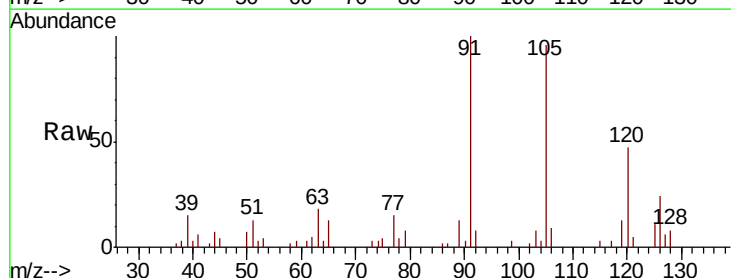
Acq: 11 Oct 2018 16:30

Tgt Ion: 91 Resp: 11554

Ion Ratio Lower Upper

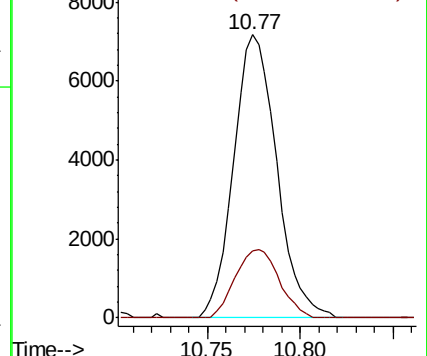
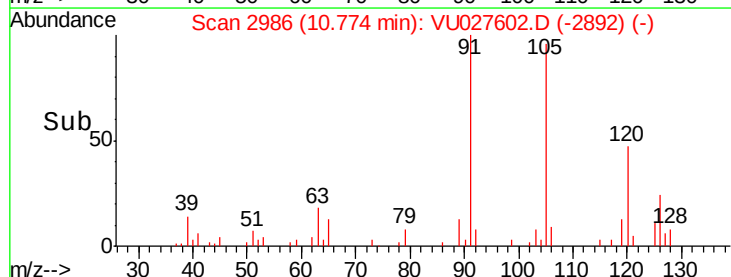
91 100

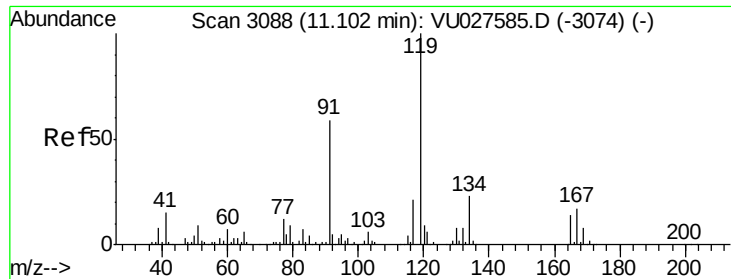
126 24.6 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU027585.D (-2974) (-)

Ion 125.90 (125.60 to 126.60): VU027585.D (-2974) (-)

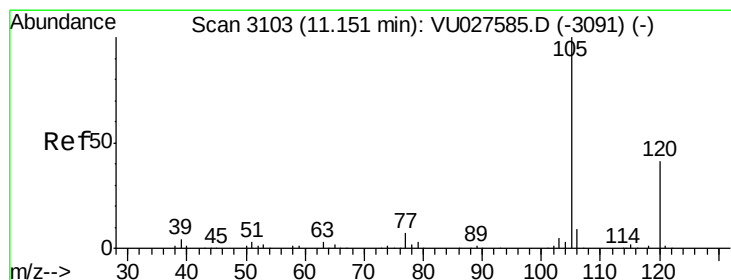
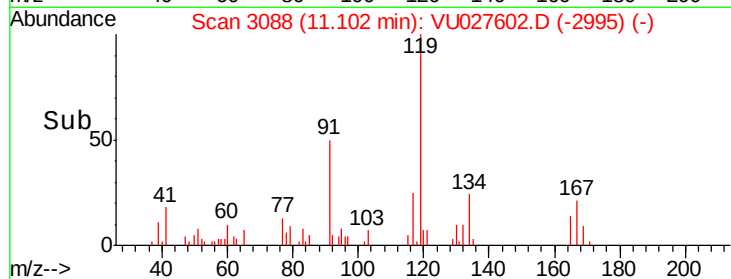
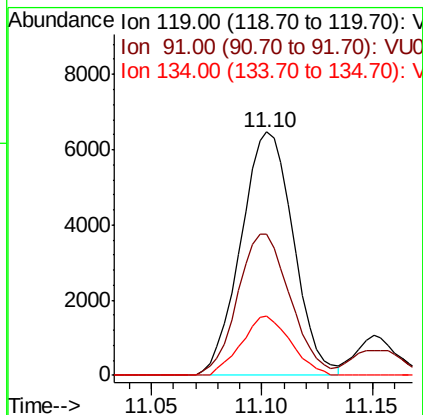
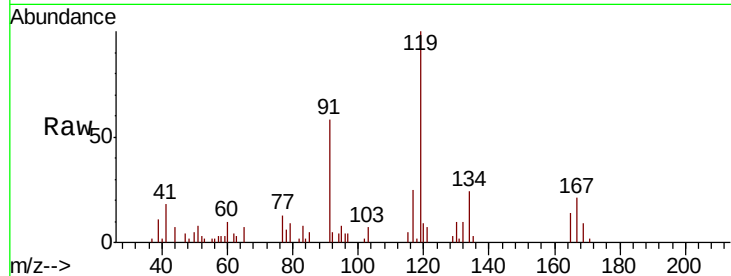




#83
 tert-Butylbenzene
 Concen: 2.521 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

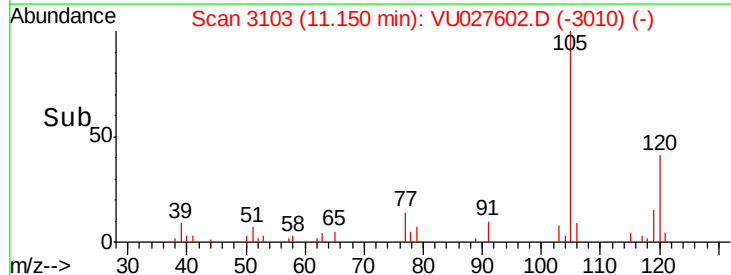
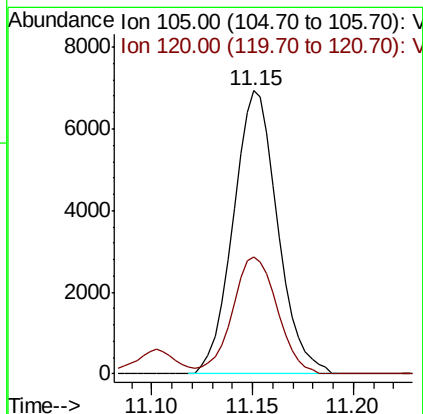
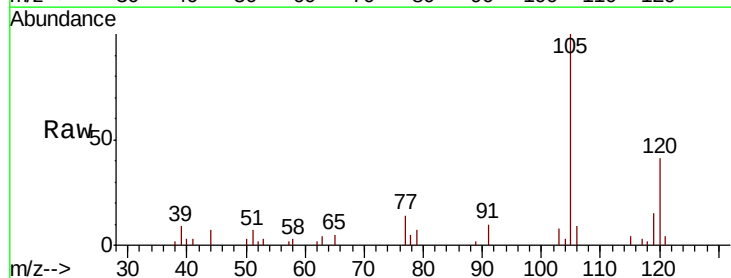
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

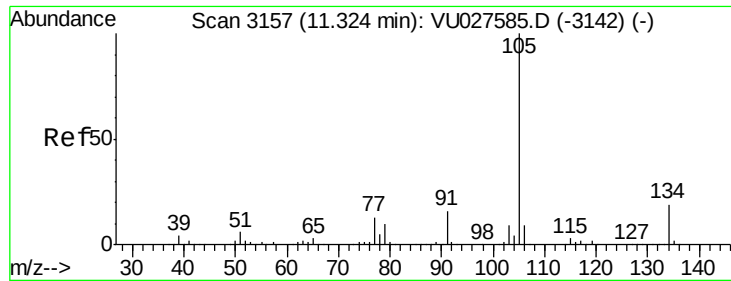
Tgt Ion:119 Resp: 10667
 Ion Ratio Lower Upper
 119 100
 91 58.2 30.3 91.0
 134 22.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 2.249 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion:105 Resp: 10672
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.1 66.5

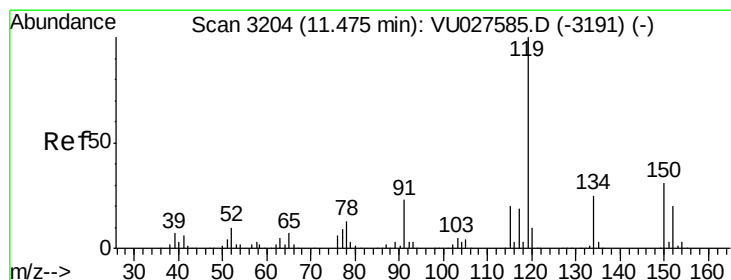
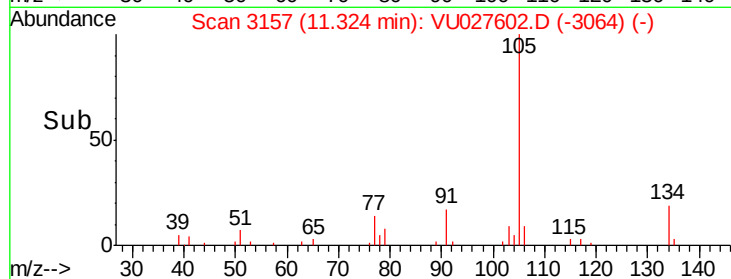
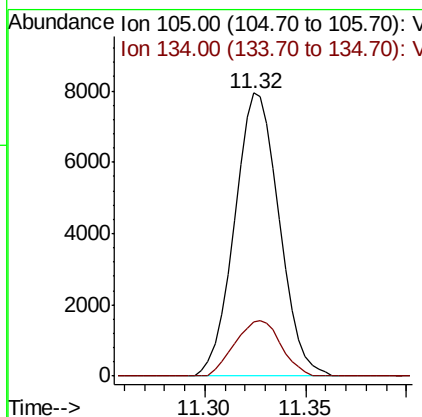
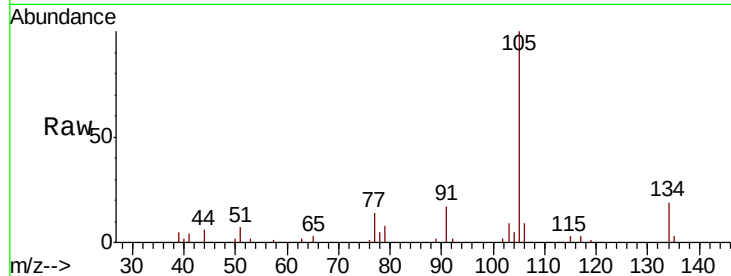




#85
 sec-Butylbenzene
 Concen: 2.483 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

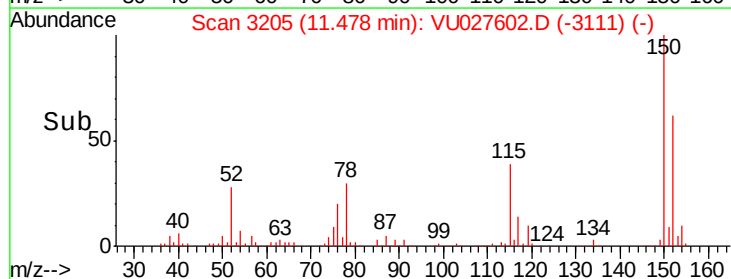
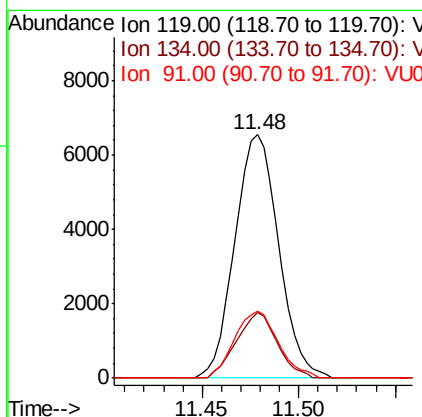
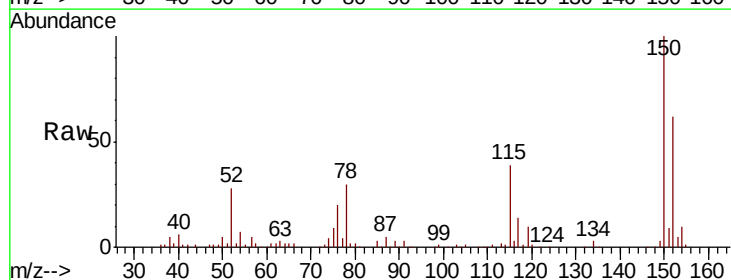
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

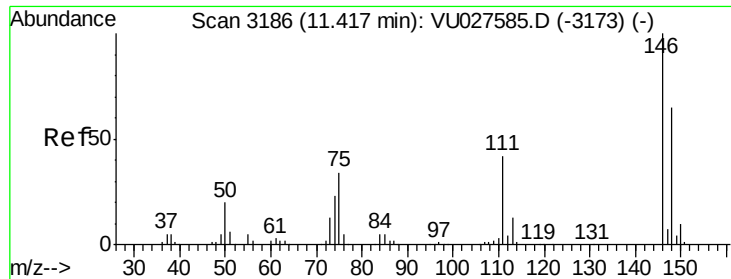
Tgt Ion:105 Resp: 12299
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 2.584 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion:119 Resp: 10317
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 27.3 12.2 36.4

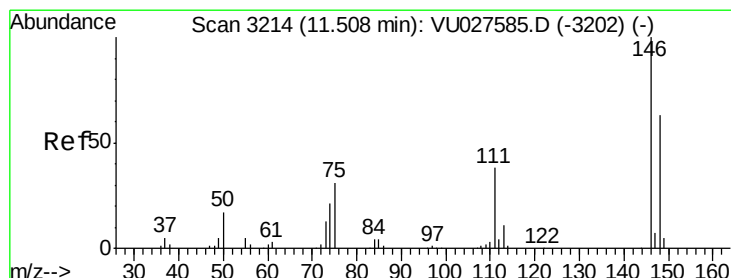
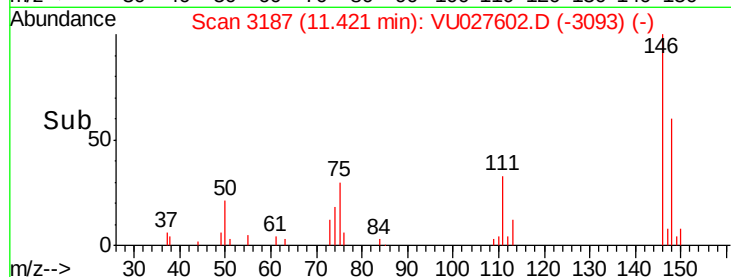
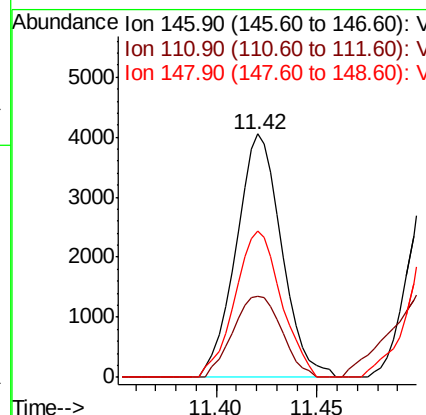
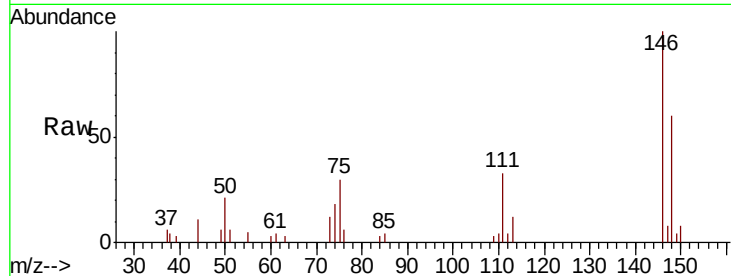




#87
 1,3-Dichlorobenzene
 Concen: 2.712 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

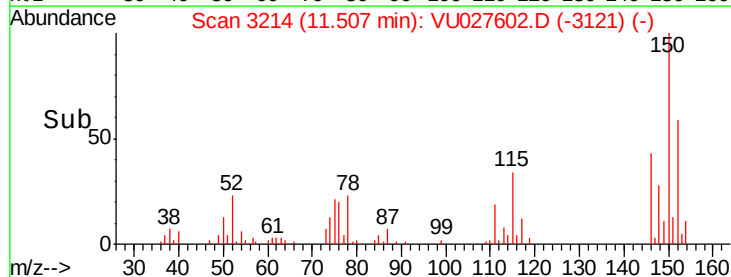
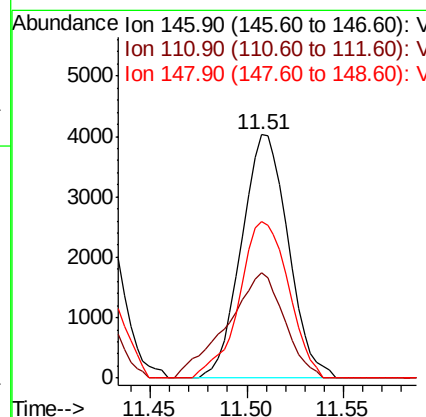
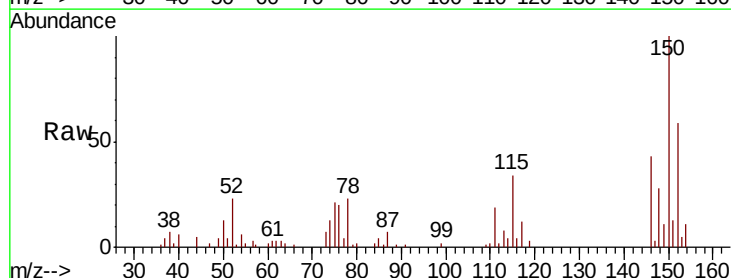
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

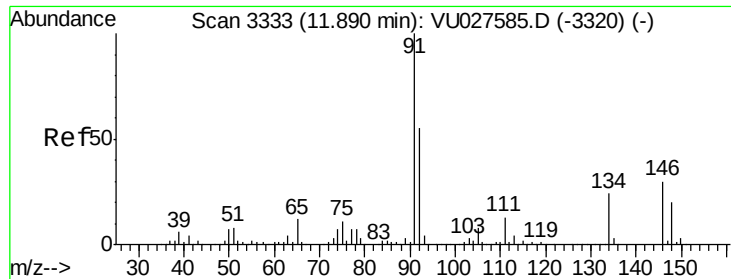
Tgt Ion:146 Resp: 6389
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.8 62.5
 148 60.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 2.718 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion:146 Resp: 6778
 Ion Ratio Lower Upper
 146 100
 111 52.8 20.4 61.2
 148 67.7 31.9 95.5

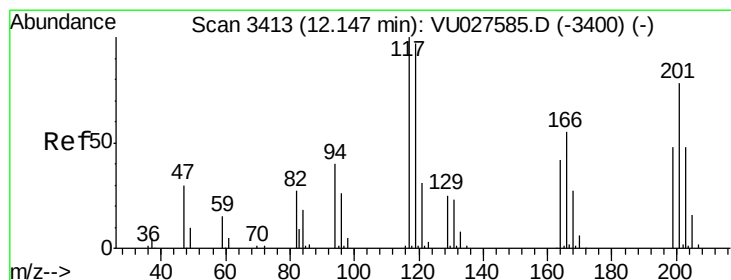
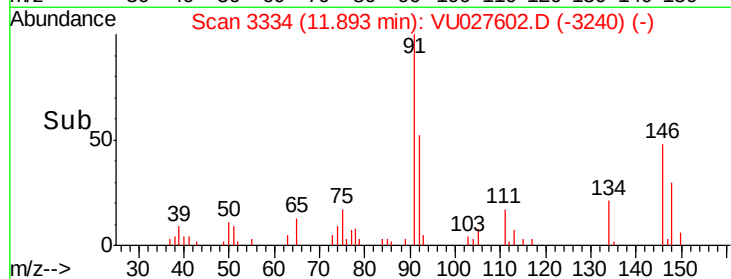
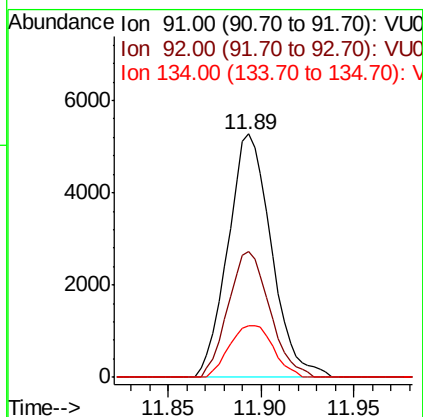
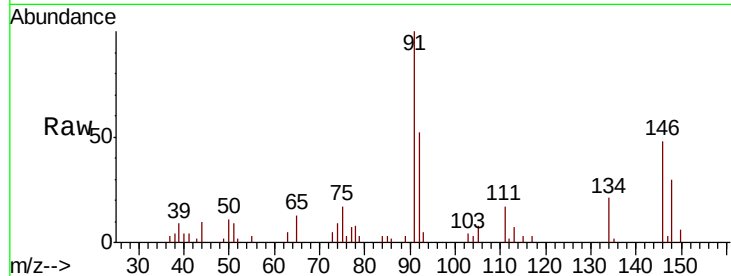




#89
n-Butylbenzene
Concen: 3.354 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

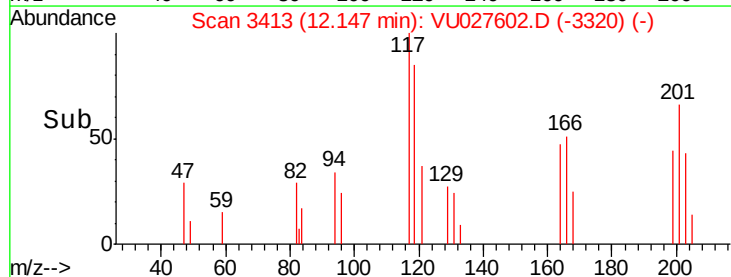
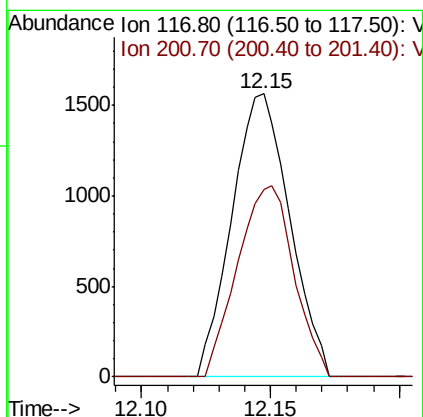
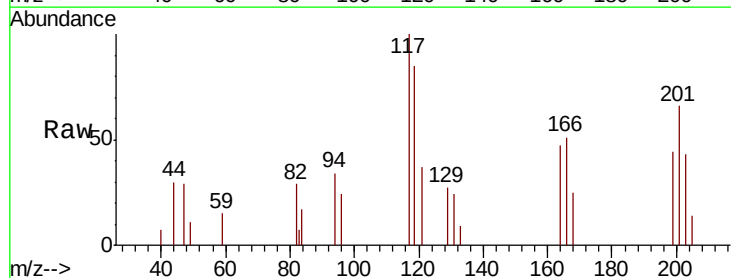
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

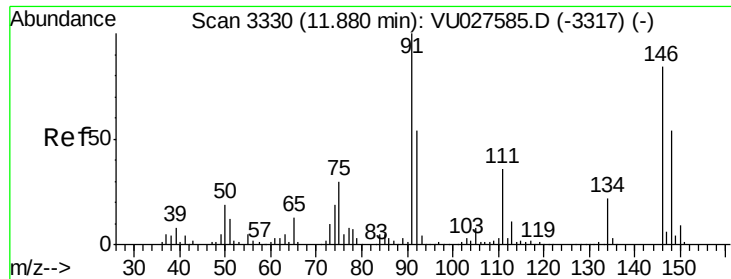
Tgt Ion: 91 Resp: 8581
Ion Ratio Lower Upper
91 100
92 49.6 27.0 81.0
134 21.5 11.7 35.1



#90
Hexachloroethane
Concen: 2.856 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion: 117 Resp: 2445
Ion Ratio Lower Upper
117 100
201 65.8 37.9 113.6

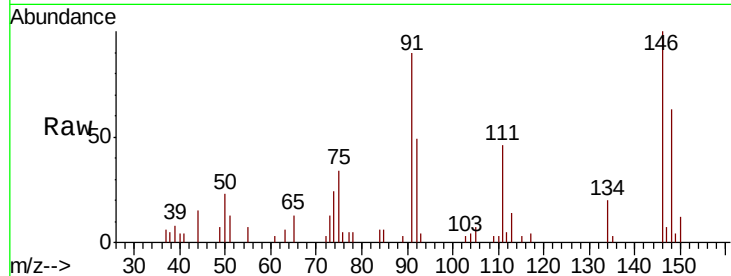




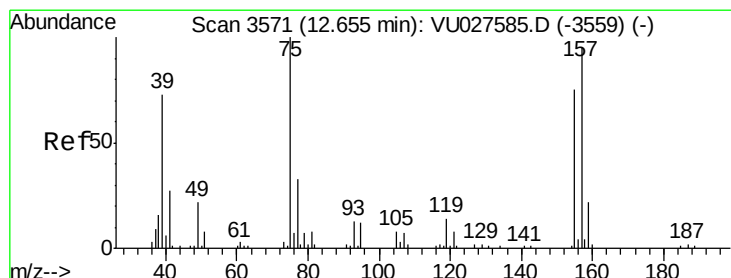
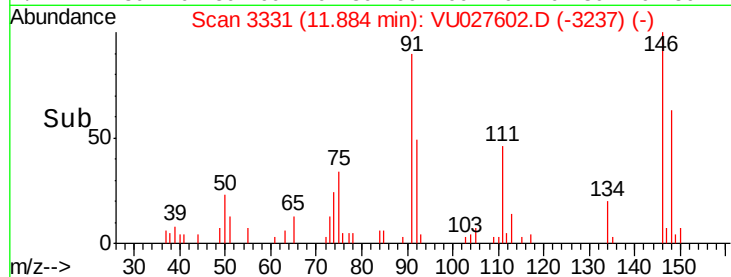
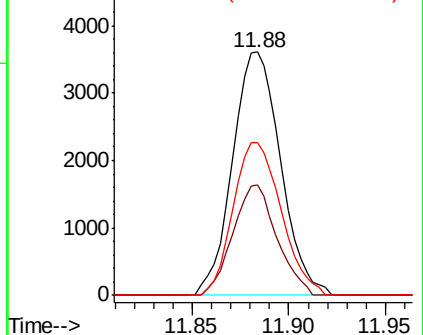
#91
 1,2-Dichlorobenzene
 Concen: 2.625 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 146 Resp: 6234
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.8 65.4
 148 62.6 31.9 95.5

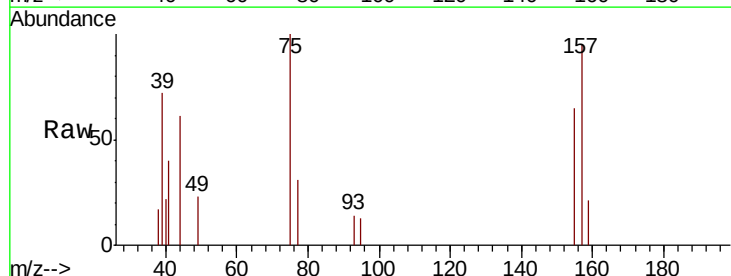


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

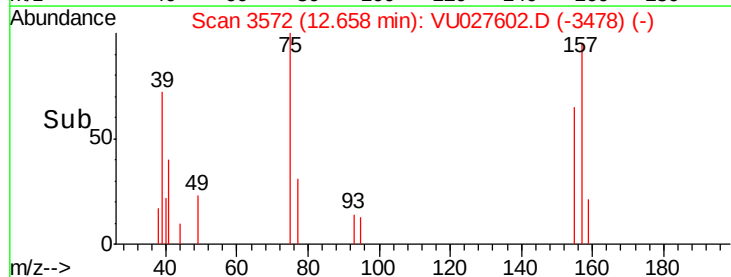
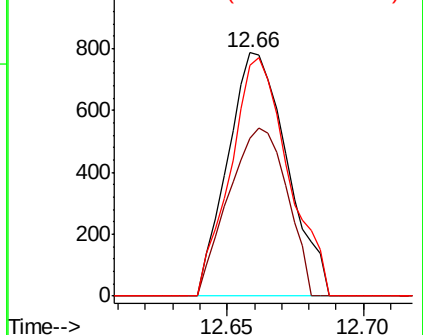


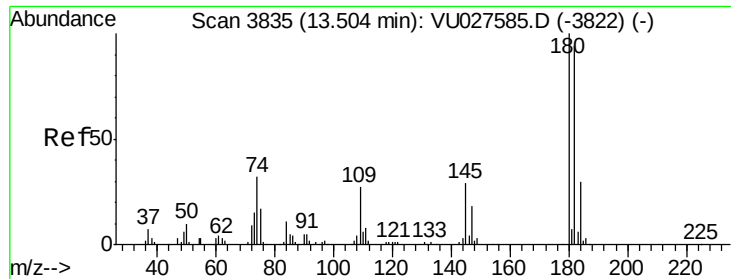
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.447 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion: 75 Resp: 1192
 Ion Ratio Lower Upper
 75 100
 155 67.7 35.9 107.8
 157 94.7 46.9 140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

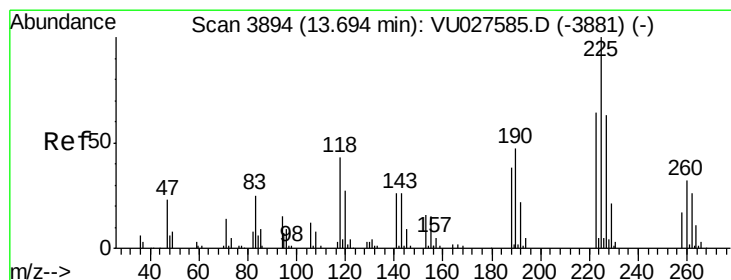
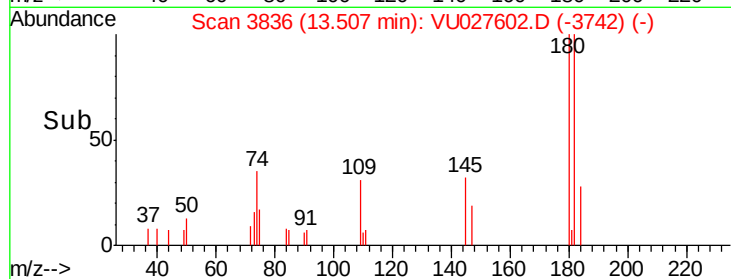
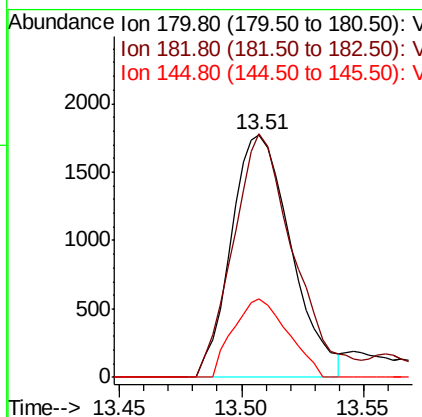
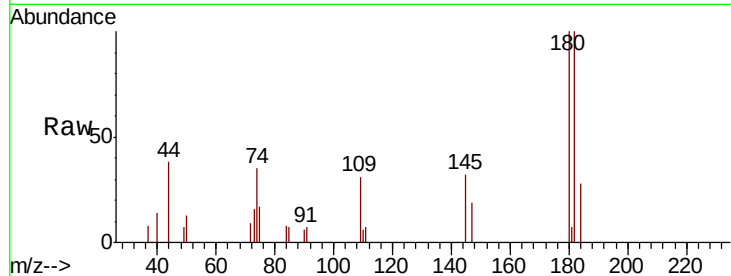




#93
 1,2,4-Trichlorobenzene
 Concen: 3.419 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

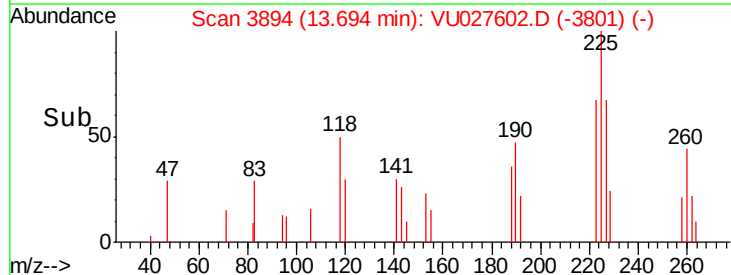
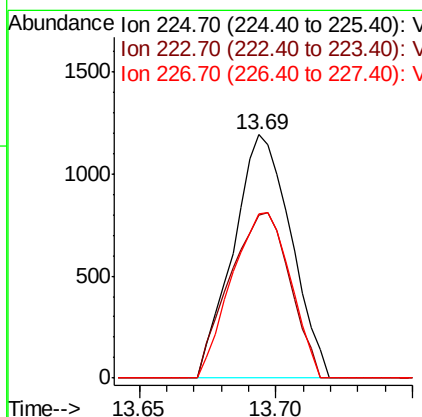
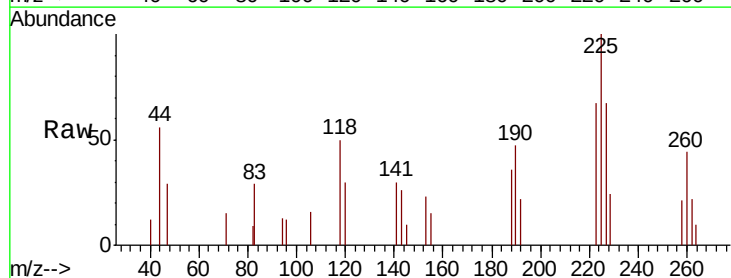
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

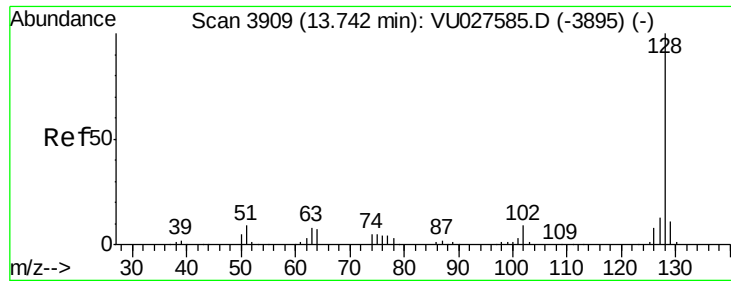
Tgt Ion:180 Resp: 3022
 Ion Ratio Lower Upper
 180 100
 182 101.7 47.4 142.3
 145 29.4 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 2.291 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027602.D
 Acq: 11 Oct 2018 16:30

Tgt Ion:225 Resp: 1746
 Ion Ratio Lower Upper
 225 100
 223 71.0 31.8 95.3
 227 69.2 31.9 95.7

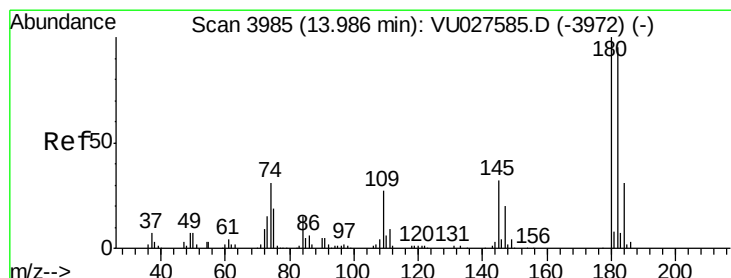
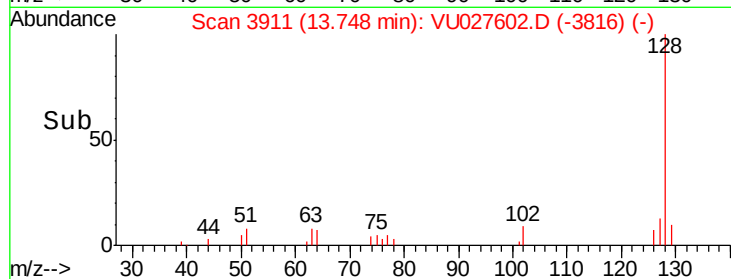
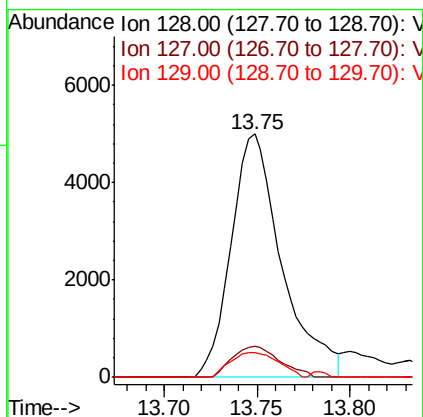
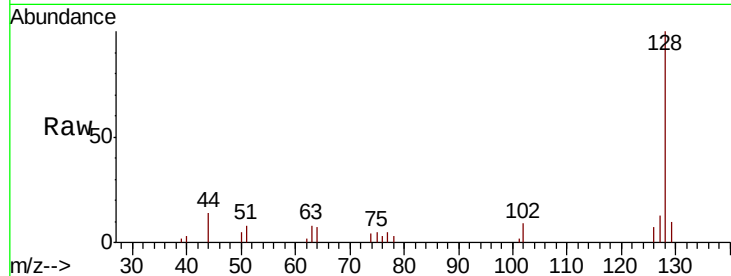




#95
Naphthalene
Concen: 2.893 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:128 Resp: 9505
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 9.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.290 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027602.D
Acq: 11 Oct 2018 16:30

Tgt Ion:180 Resp: 3581
Ion Ratio Lower Upper
180 100
182 87.5 47.4 142.2
145 30.3 15.9 47.7

