

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027592.D
 Acq On : 11 Oct 2018 12:37
 Operator : MD/SY
 Sample : J5164-07 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:57 PM

Quant Time: Oct 12 02:16:23 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	115629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	200930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73567	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	90073	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	4.89	113	63809	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	7.57	98	230736	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	10.31	95	73485	40.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	638	0.51	ug/l	98
3) Chloromethane	1.33	50	1048	0.53	ug/l	92
4) Vinyl Chloride	1.40	62	1038	0.56	ug/l	90
5) Bromomethane	1.63	94	619	0.62	ug/l	98
7) Trichlorofluoromethane	1.89	101	1193	0.58	ug/l	91
8) Diethyl Ether	2.10	74	489	0.52	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	2.29	101	749	0.62	ug/l #	71
12) 1,1-Dichloroethene	2.28	96	668	0.56	ug/l #	93
13) Acrolein	2.20	56	931	2.69	ug/l	100
14) Allyl chloride	2.60	41	1739	0.60	ug/l #	93
15) Acrylonitrile	2.95	53	2795	2.70	ug/l	97
16) Acetone	2.32	43	3587	3.29	ug/l	99
17) Carbon Disulfide	2.48	76	2904	0.71	ug/l	96
18) Methyl Acetate	2.62	43	1529	0.56	ug/l #	81
19) Methyl tert-butyl Ether	3.00	73	2230	0.49	ug/l	94
20) Methylene Chloride	2.71	84	913	0.59	ug/l #	84
21) trans-1,2-Dichloroethene	2.99	96	657	0.50	ug/l #	83
22) Diisopropyl ether	3.58	45	2649	0.48	ug/l #	77
23) Vinyl Acetate	3.54	43	11043	2.37	ug/l	99
24) 1,1-Dichloroethane	3.45	63	1548	0.53	ug/l #	85
25) 2-Butanone	4.29	43	3794	2.45	ug/l	97
26) 2,2-Dichloropropane	4.22	77	1222	0.52	ug/l #	72
27) cis-1,2-Dichloroethene	4.23	96	714	0.49	ug/l	85
28) Bromochloromethane	4.55	49	772	0.54	ug/l #	83
29) Tetrahydrofuran	4.66	42	2546	2.63	ug/l #	76
30) Chloroform	4.68	83	1540	0.59	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	995	0.45	ug/l #	51
36) 1,1-Dichloropropene	5.14	75	1212	0.59	ug/l #	76
38) Carbon Tetrachloride	5.13	117	973	0.52	ug/l	96
39) Methylcyclohexane	6.41	83	1180	0.51	ug/l #	92
40) Benzene	5.40	78	3162	0.51	ug/l	98
41) Methacrylonitrile	4.57	41	572	0.95	ug/l #	65
43) Isopropyl Acetate	5.56	43	1969	0.46	ug/l #	84
44) Trichloroethene	6.20	130	704	0.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	6.44	63	854	0.49	ug/l	100
46) Dibromomethane	6.57	93	442	0.43	ug/l	93
47) Bromodichloromethane	6.76	83	943	0.45	ug/l #	84
48) Methyl methacrylate	6.64	41	980	1.90	ug/l #	81
49) 1,4-Dioxane	6.63	88	224	5.52	ug/l #	66
51) 4-Methyl-2-Pentanone	7.47	43	6366	2.23	ug/l	90
52) Toluene	7.64	92	1871	0.53	ug/l	93
53) t-1,3-Dichloropropene	7.89	75	1136	0.48	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	1238	0.48	ug/l #	86
55) 1,1,2-Trichloroethane	8.07	97	632	0.43	ug/l	95
56) Ethyl methacrylate	8.03	69	690	2.42	ug/l #	73
57) 1,3-Dichloropropane	8.25	76	1287	0.46	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.14	63	2497	7.20	ug/l	97
59) 2-Hexanone	8.37	43	4662	2.10	ug/l	86
60) Dibromochloromethane	8.48	129	600	0.41	ug/l	96
61) 1,2-Dibromoethane	8.59	107	739	0.48	ug/l	95
64) Tetrachloroethene	8.23	164	477	0.44	ug/l #	86
65) Chlorobenzene	9.12	112	2024	0.55	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	574	0.46	ug/l #	62
67) Ethyl Benzene	9.25	91	3172	0.51	ug/l	97
68) m/p-Xylenes	9.38	106	2134	0.93	ug/l	93
69) o-Xylene	9.78	106	937	0.42	ug/l	88
70) Styrene	9.80	104	1453	1.60	ug/l	99
71) Bromoform	9.96	173	406	0.39	ug/l #	85
73) Isopropylbenzene	10.17	105	2637	0.53	ug/l	94
74) N-amyl acetate	10.02	43	1245	0.43	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	1193	0.56	ug/l #	98
76) 1,2,3-Trichloropropane	10.50	75	1585	0.75	ug/l	71
77) Bromobenzene	10.46	156	654	0.54	ug/l	74
78) n-propylbenzene	10.59	91	3415	0.57	ug/l	90
79) 2-Chlorotoluene	10.67	91	2086	0.57	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	1952	0.23	ug/l	97
82) 4-Chlorotoluene	10.78	91	2307	0.56	ug/l	92
83) tert-Butylbenzene	11.10	119	1978	0.49	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	2150	0.47	ug/l	98
85) sec-Butylbenzene	11.33	105	2230	0.71	ug/l	93
86) p-Isopropyltoluene	11.48	119	1804	0.86	ug/l	88
87) 1,3-Dichlorobenzene	11.42	146	1399	0.62	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	1512m	0.63	ug/l	
89) n-Butylbenzene	11.89	91	1532	1.89	ug/l	89
90) Hexachloroethane	12.15	117	416	0.51	ug/l	81
91) 1,2-Dichlorobenzene	11.88	146	1215	0.53	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.67	75	162	0.35	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.51	180	487	1.94	ug/l #	83
94) Hexachlorobutadiene	13.70	225	430	0.59	ug/l	80
96) 1,2,3-Trichlorobenzene	13.99	180	492	0.33	ug/l	66

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

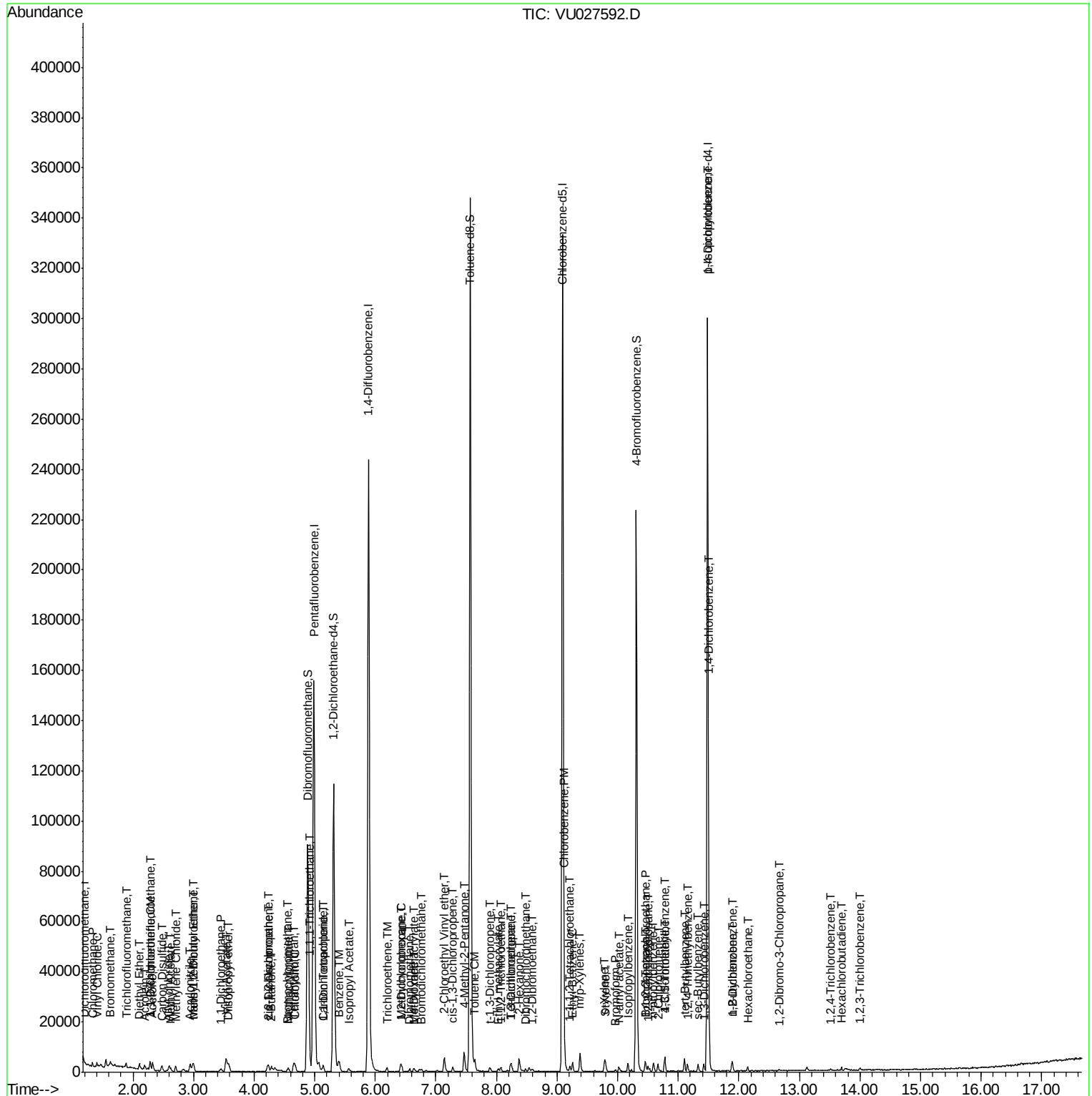
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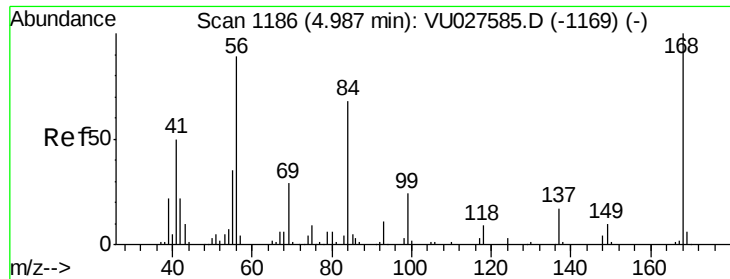
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:168 Resp: 115629

Ion Ratio Lower Upper

168 100

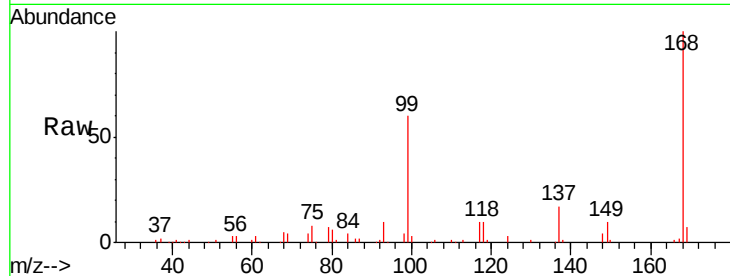
99 59.6 50.8 76.2

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

Ion 98.90 (98.60 to 99.60): VU027592.D (-1093) (-)

4.99

50000

40000

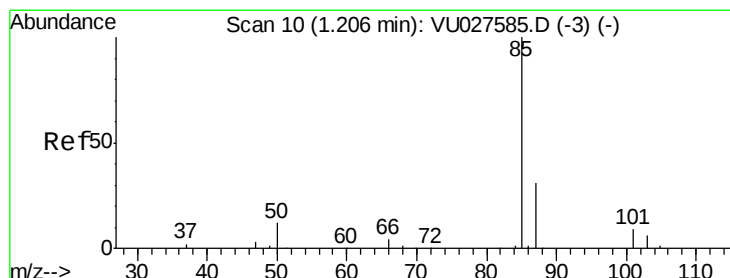
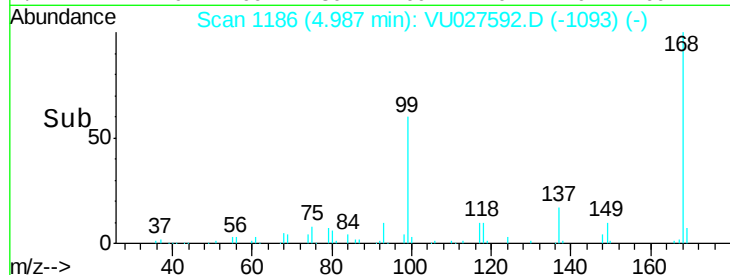
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.51 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027592.D

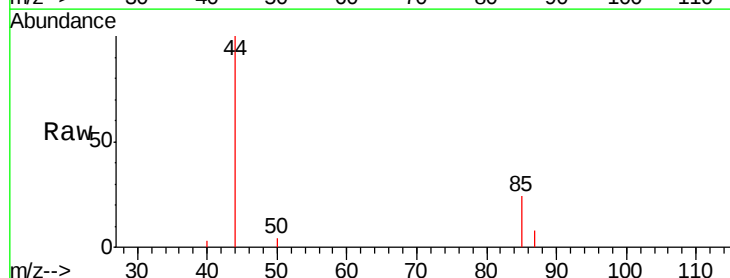
Acq: 11 Oct 2018 12:37

Tgt Ion: 85 Resp: 638

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



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

Ion 86.90 (86.60 to 87.60): VU027592.D (-1) (-)

1.21

800

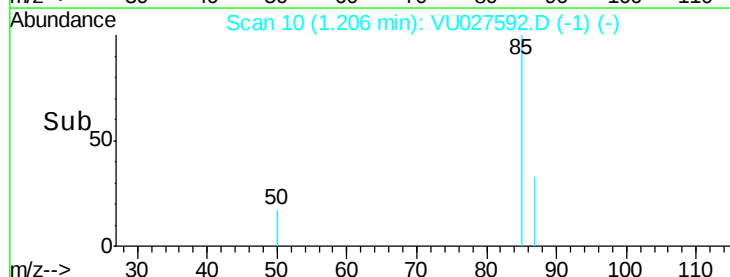
600

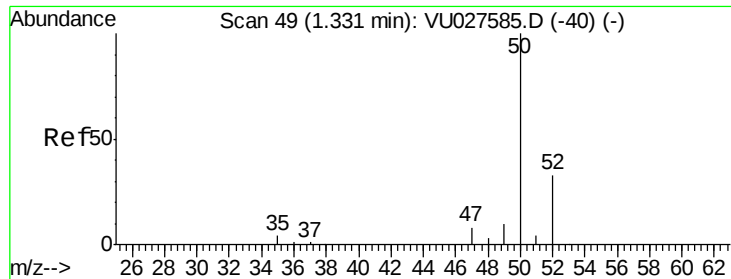
400

200

0

Time-->





#3

Chloromethane

Concen: 0.53 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 1048

Ion Ratio Lower Upper

50 100

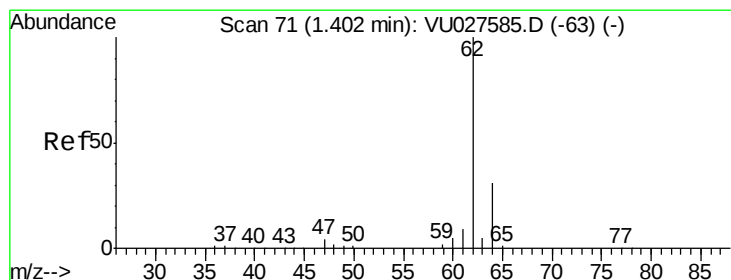
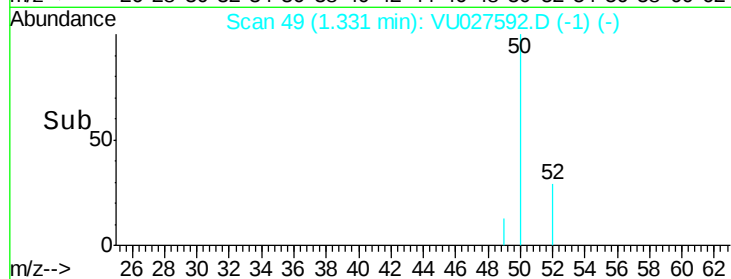
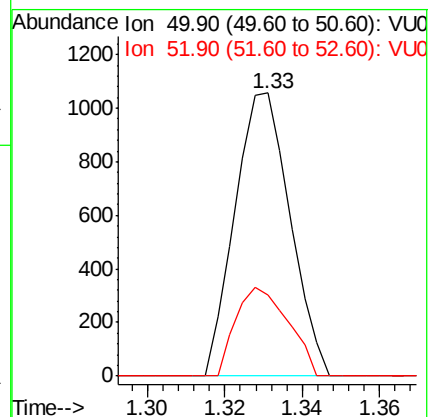
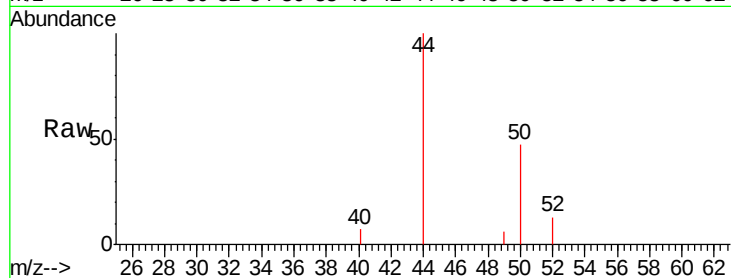
52 28.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 0.56 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027592.D

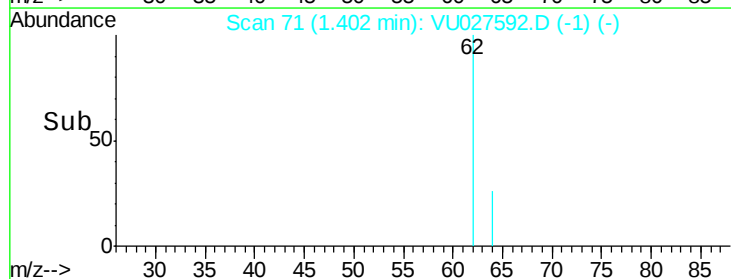
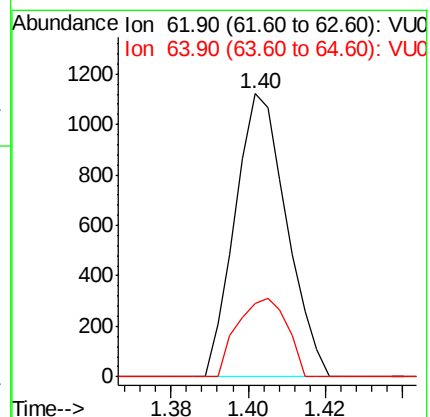
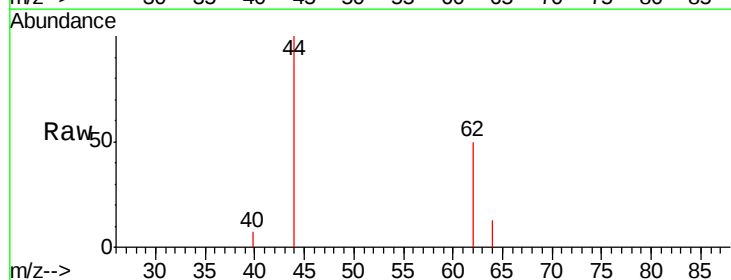
Acq: 11 Oct 2018 12:37

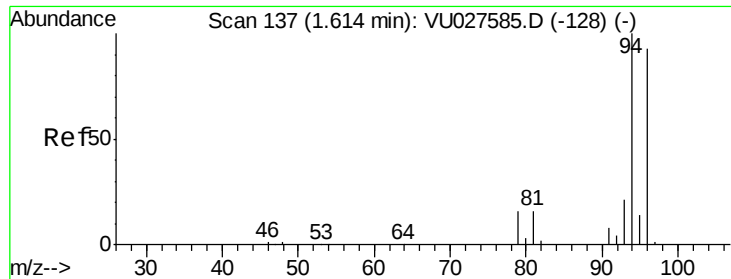
Tgt Ion: 62 Resp: 1038

Ion Ratio Lower Upper

62 100

64 25.8 24.9 37.3





#5

Bromomethane

Concen: 0.62 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.02 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 94 Resp: 619

Ion Ratio Lower Upper

94 100

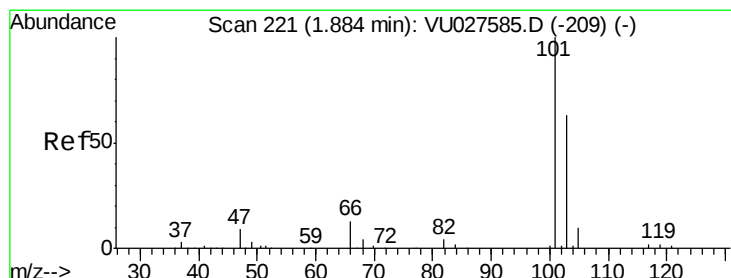
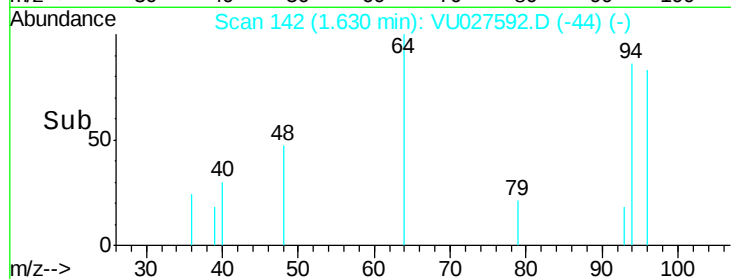
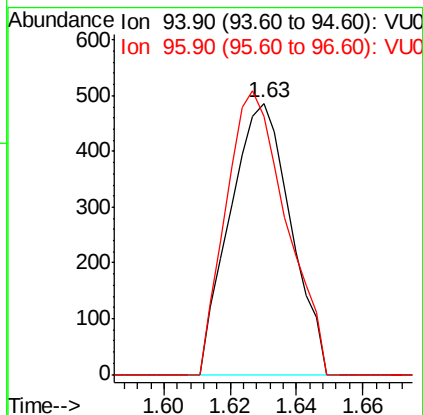
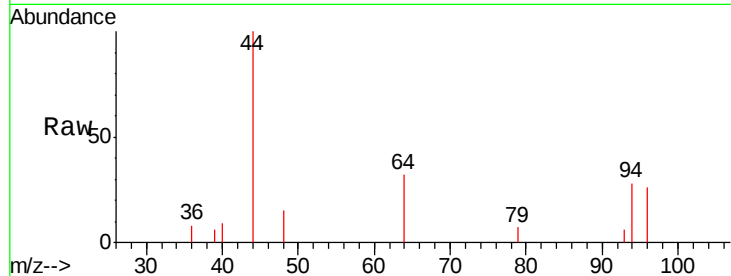
96 95.5 74.6 111.8

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 0.58 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027592.D

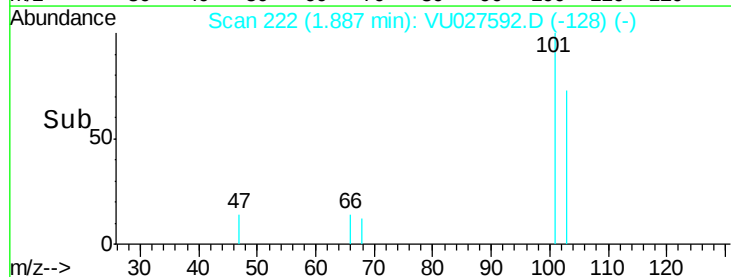
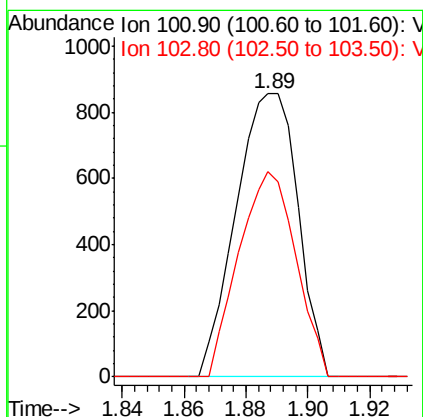
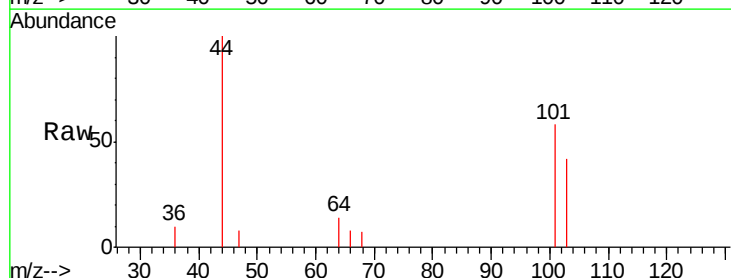
Acq: 11 Oct 2018 12:37

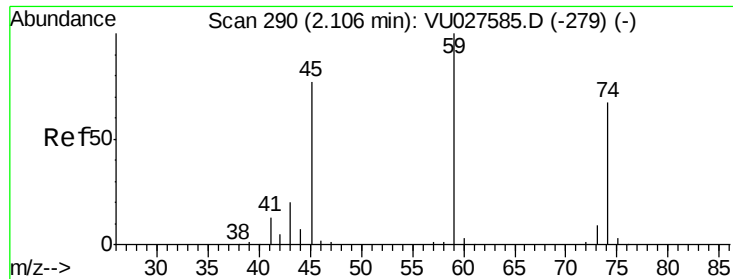
Tgt Ion: 101 Resp: 1193

Ion Ratio Lower Upper

101 100

103 72.7 52.6 78.8





#8

Diethyl Ether

Concen: 0.52 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

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Tgt Ion: 74 Resp: 489

Ion Ratio Lower Upper

74 100

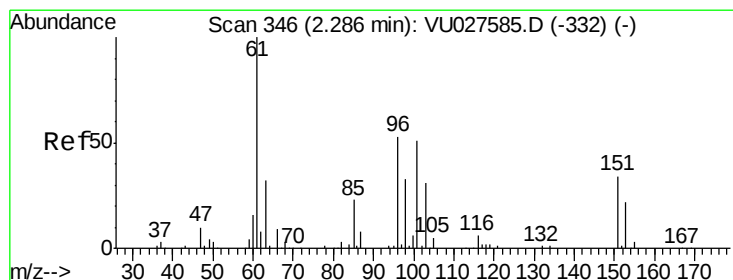
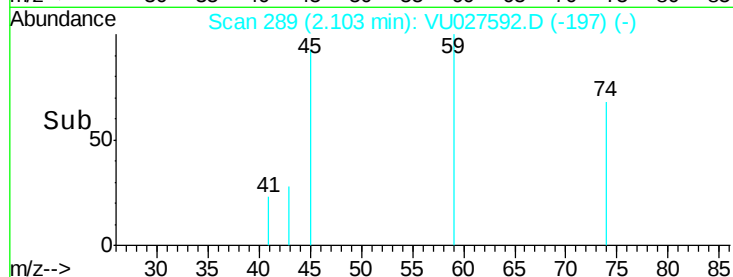
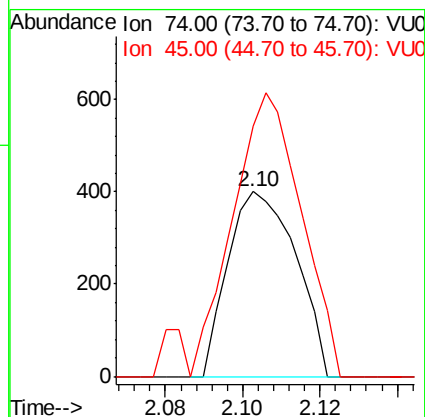
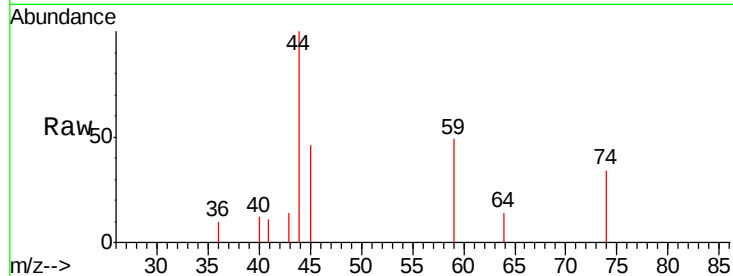
45 154.4 60.4 181.1

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.62 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

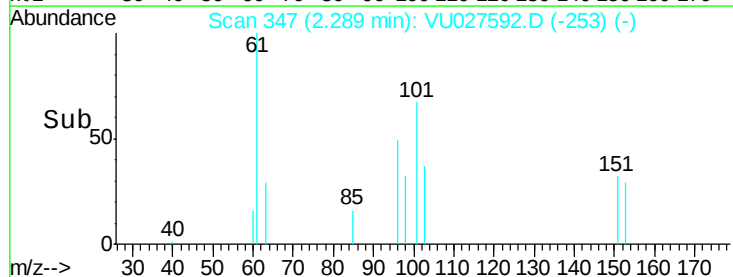
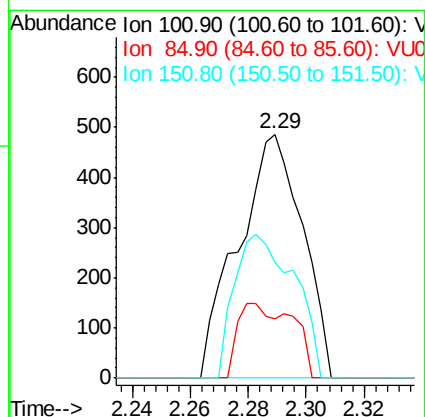
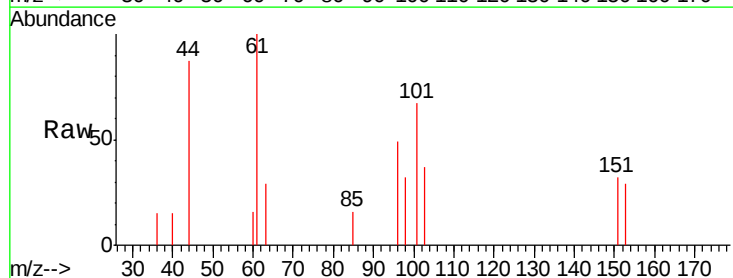
Tgt Ion: 101 Resp: 749

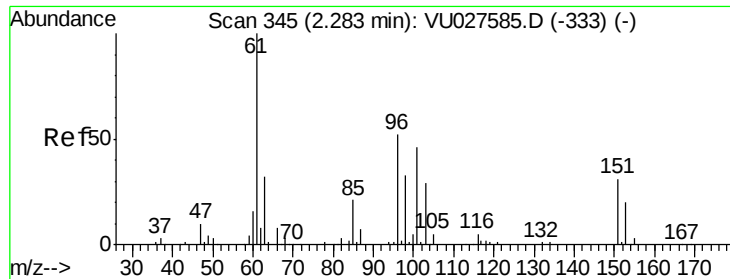
Ion Ratio Lower Upper

101 100

85 16.7 37.5 56.3#

151 54.6 55.6 83.4#





#12

1,1-Dichloroethene

Concen: 0.56 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

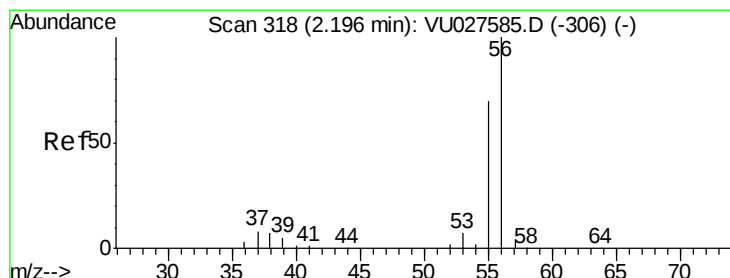
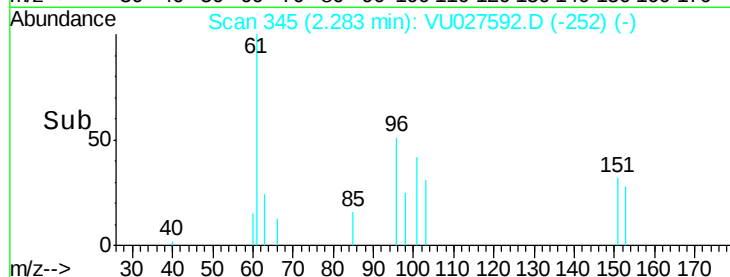
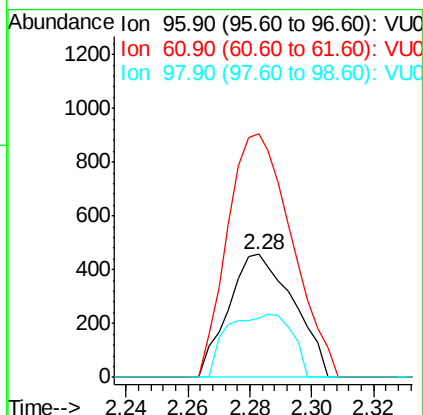
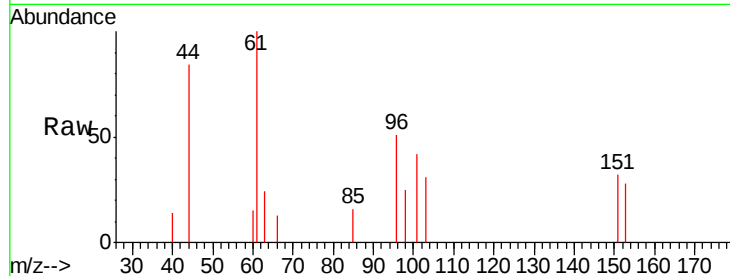
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Tgt Ion:	96	Resp:	668
Ion	Ratio	Lower	Upper
96	100		
61	197.6	153.0	229.6
98	48.5	49.3	73.9#

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#13

Acrolein

Concen: 2.69 ug/l

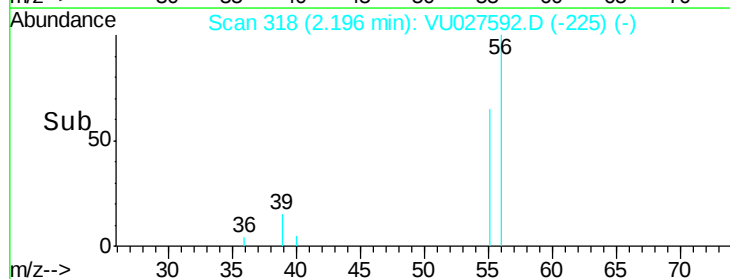
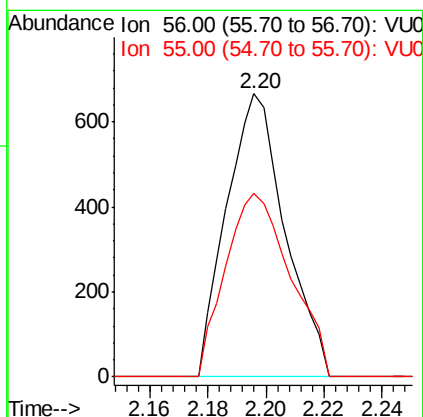
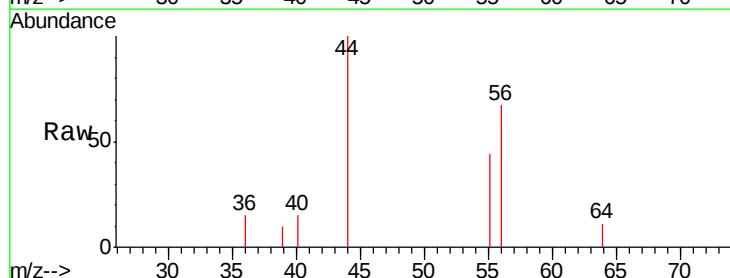
RT: 2.20 min Scan# 318

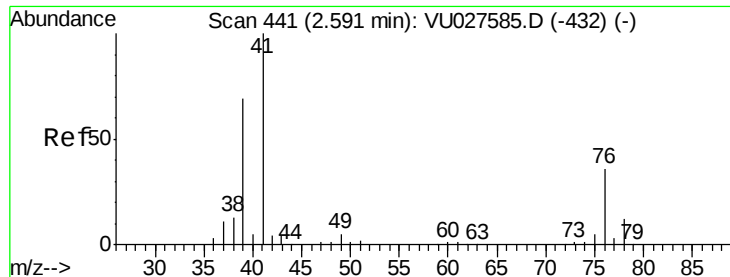
Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	56	Resp:	931
Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.7	86.5





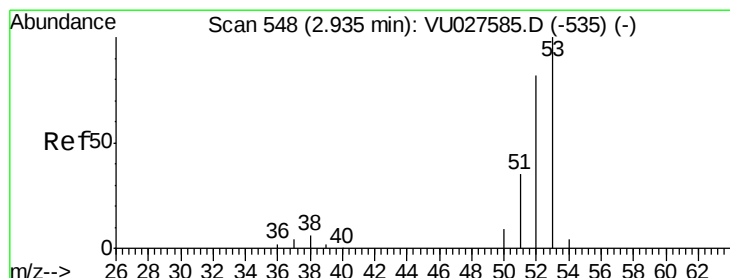
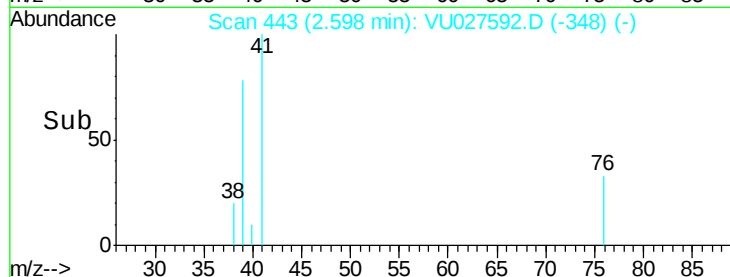
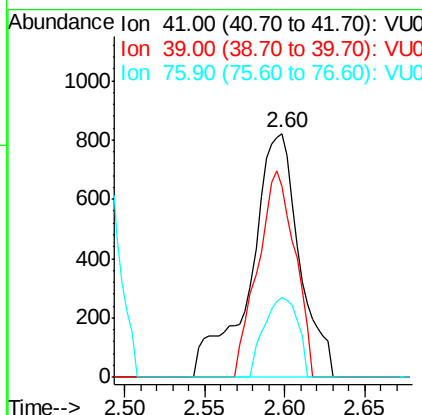
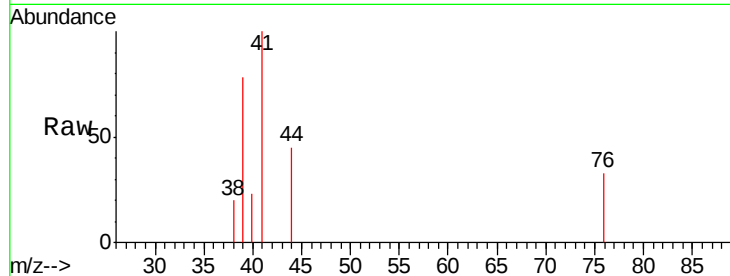
#14
 Allyl chloride
 Concen: 0.60 ug/l
 RT: 2.60 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.6	51.8	77.8
76	22.5	25.9	38.9#

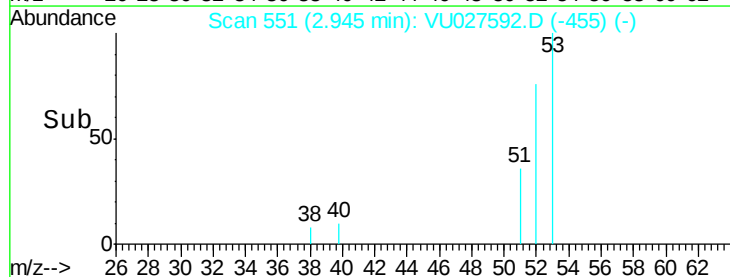
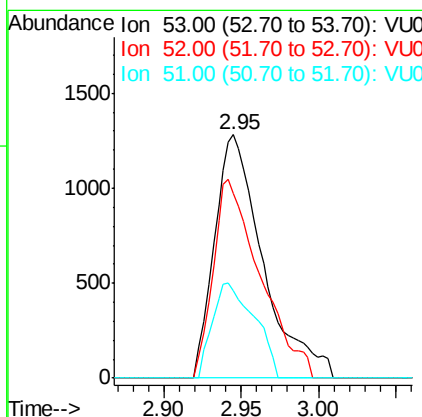
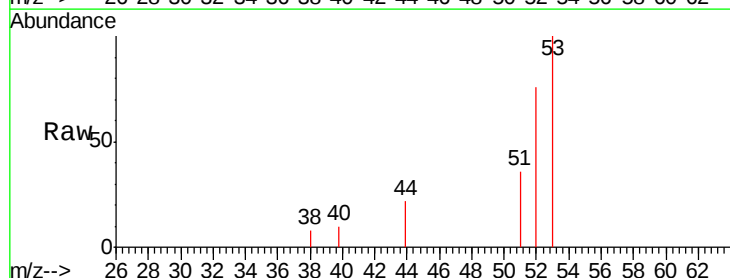
Manual Integrations
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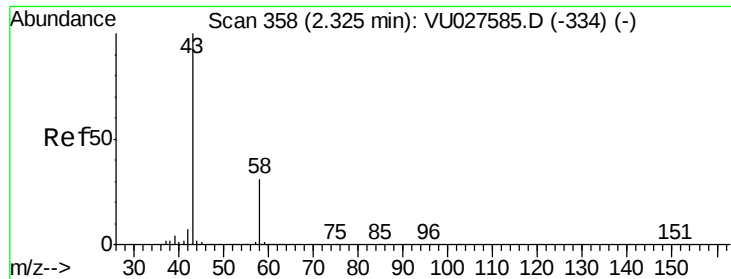
MMDadoda
 10/16/2018 2:22:57 PM



#15
 Acrylonitrile
 Concen: 2.70 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
53	100		
52	79.2	66.5	99.7
51	34.0	27.6	41.4





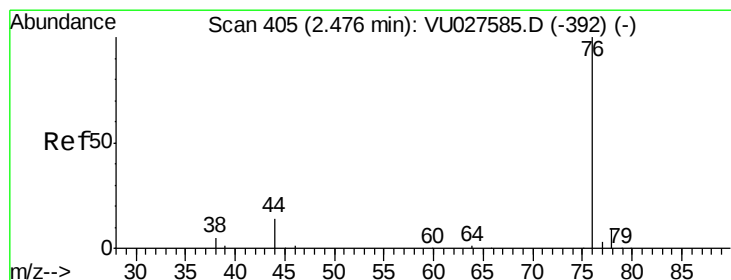
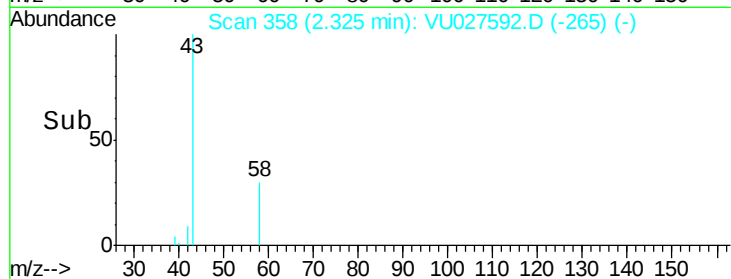
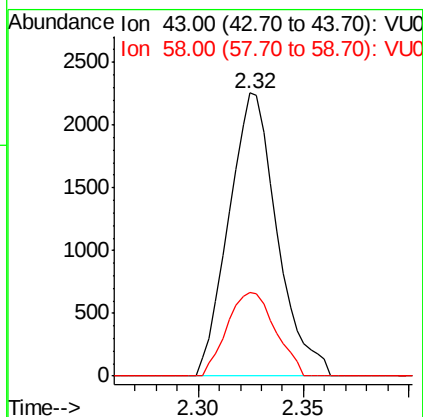
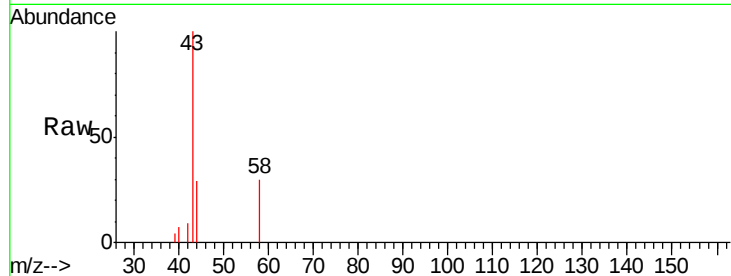
#16
Acetone
Concen: 3.29 ug/l
RT: 2.32 min Scan# 358
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 43 Resp: 3587
Ion Ratio Lower Upper
43 100
58 29.6 24.2 36.4

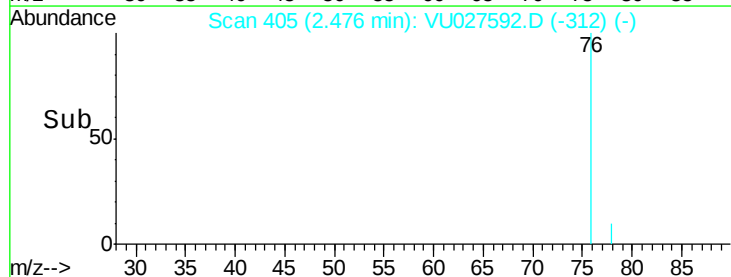
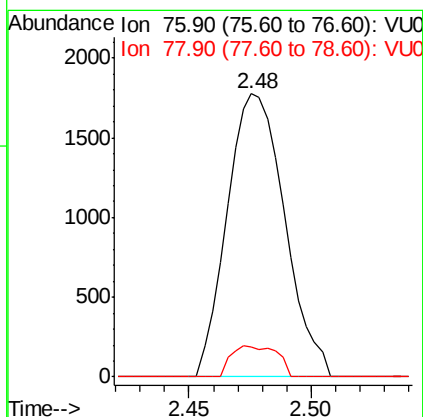
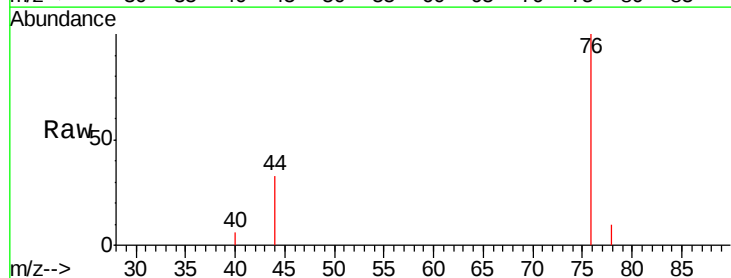
Manual Integrations
APPROVED

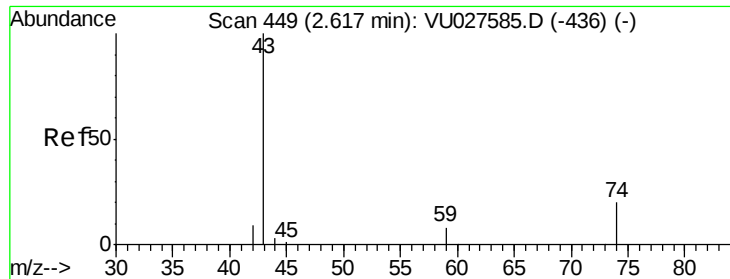
MMDadoda
10/16/2018 2:22:57 PM



#17
Carbon Disulfide
Concen: 0.71 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 76 Resp: 2904
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9





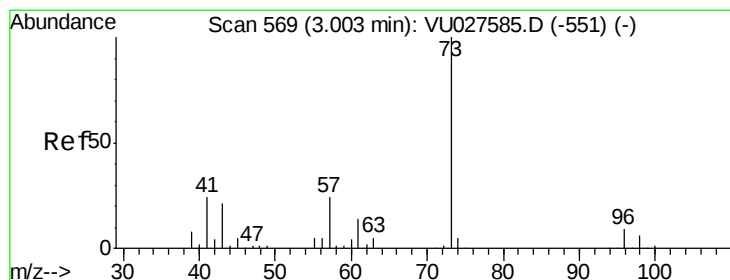
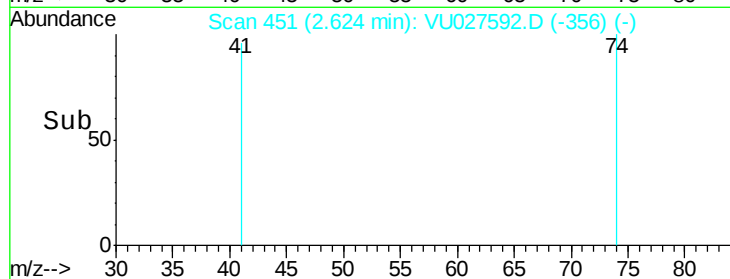
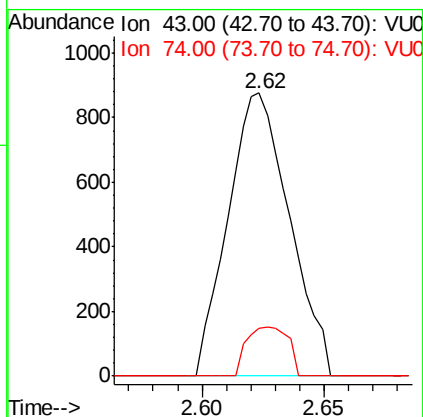
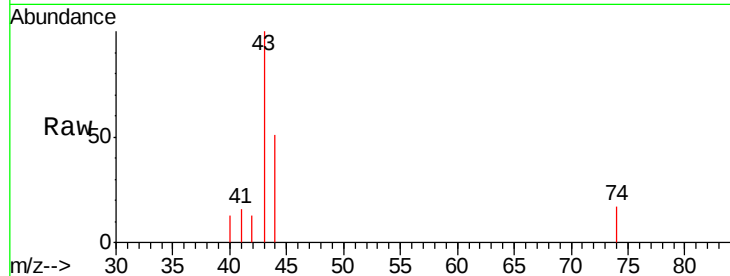
#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
74 11.7 16.5 24.7#

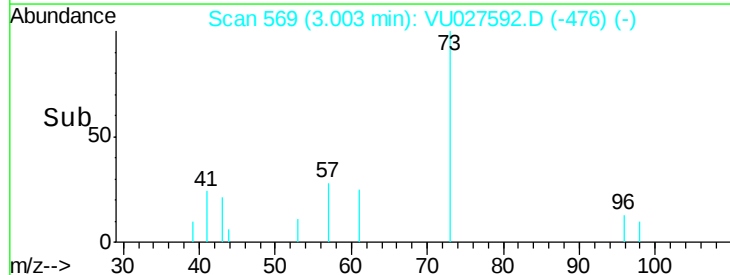
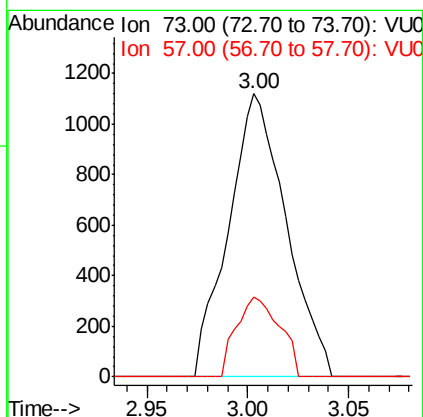
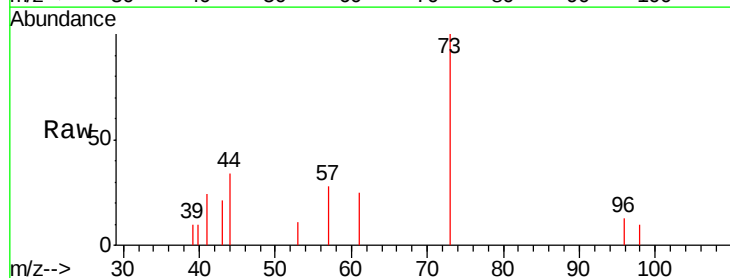
Manual Integrations
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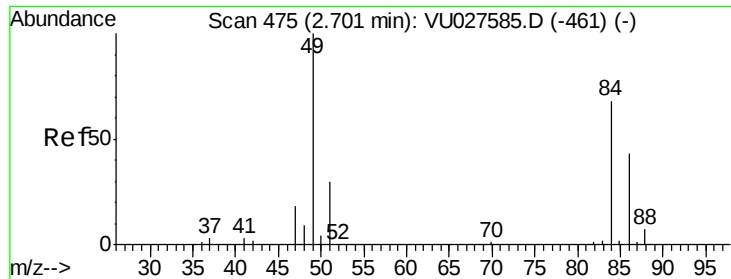
MMDadoda
10/16/2018 2:22:57 PM



#19
Methyl tert-butyl Ether
Concen: 0.49 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 73 Resp: 2230
Ion Ratio Lower Upper
73 100
57 28.1 20.0 30.0





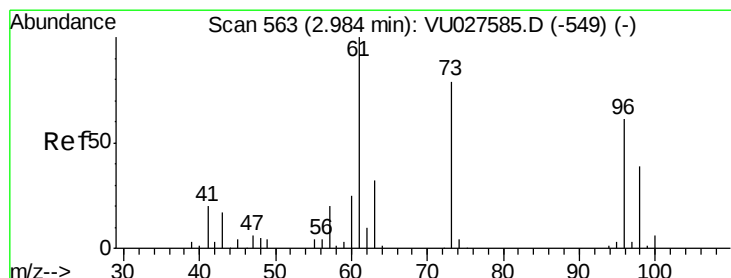
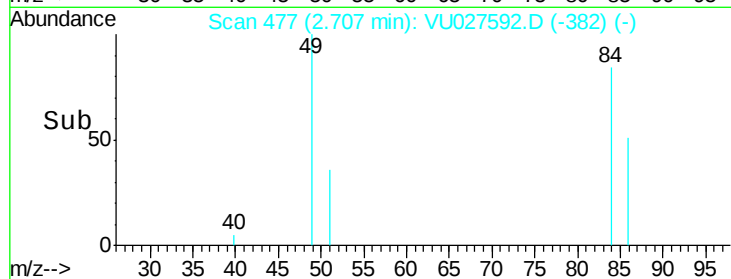
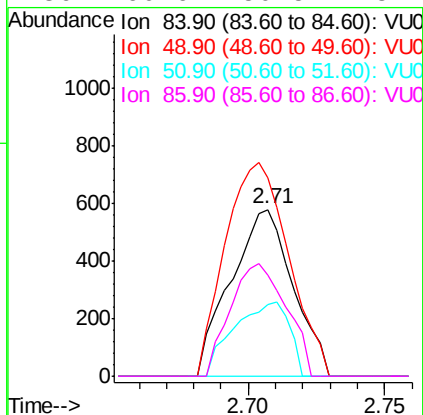
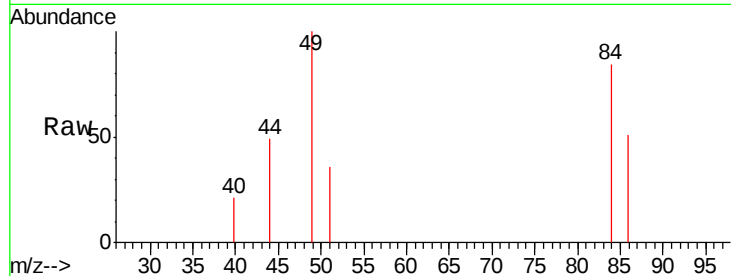
#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 84 Resp: 913
Ion Ratio Lower Upper
84 100
49 118.7 120.5 180.7#
51 42.7 35.1 52.7
86 60.6 50.5 75.7

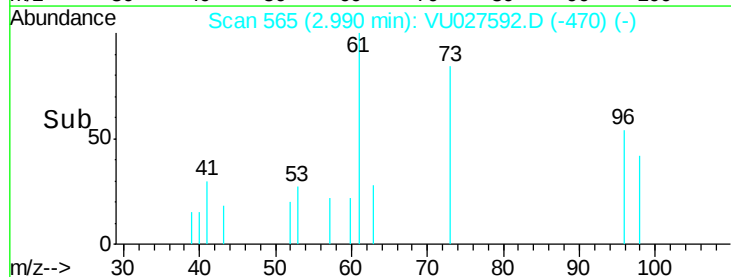
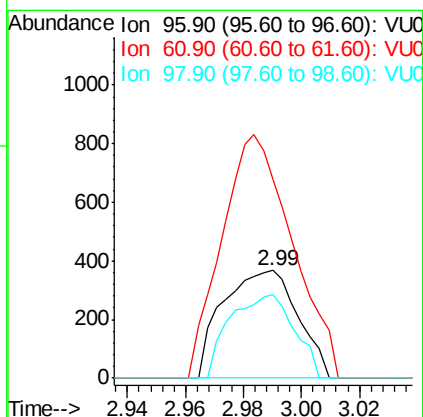
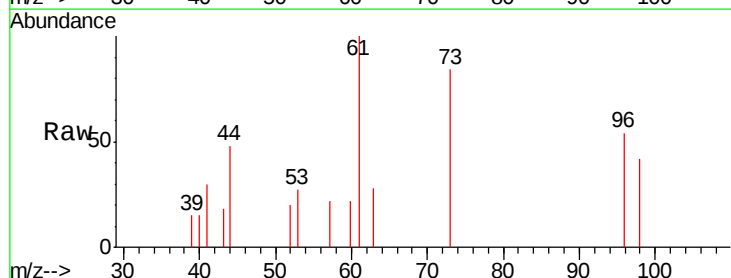
Manual Integrations
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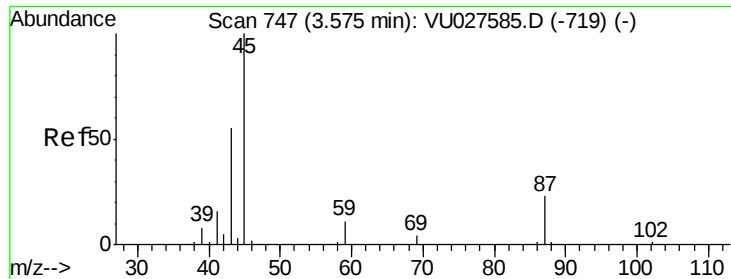
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.50 ug/l
RT: 2.99 min Scan# 565
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 96 Resp: 657
Ion Ratio Lower Upper
96 100
61 184.5 129.4 194.2
98 77.4 51.2 76.8#





#22

Diisopropyl ether

Concen: 0.48 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

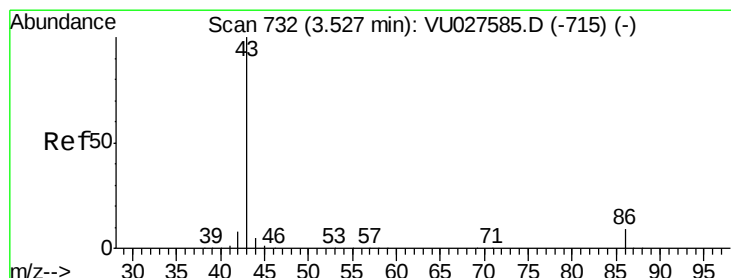
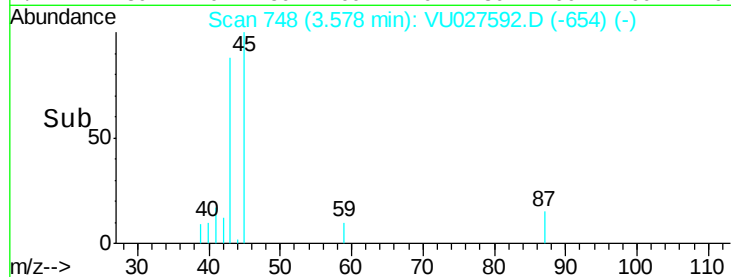
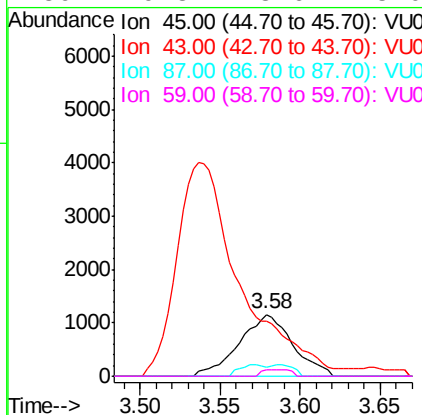
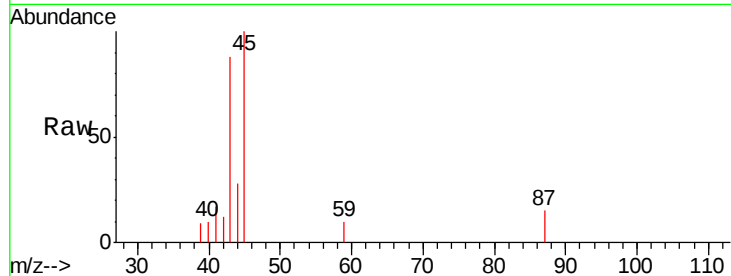
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	45	Resp:	2649
Ion	Ratio	Lower	Upper
45	100		
43	77.0	43.4	65.2#
87	15.5	17.5	26.3#
59	9.8	8.6	13.0

Manual Integrations
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#23

Vinyl Acetate

Concen: 2.37 ug/l

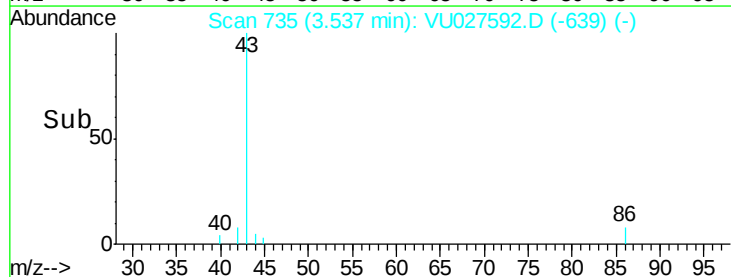
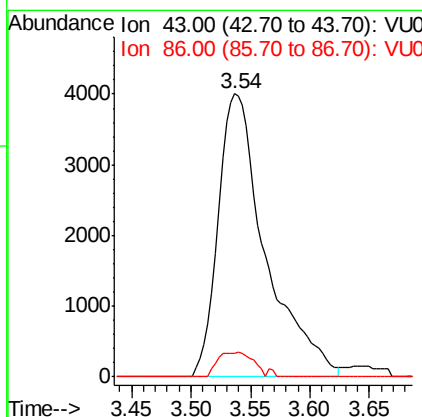
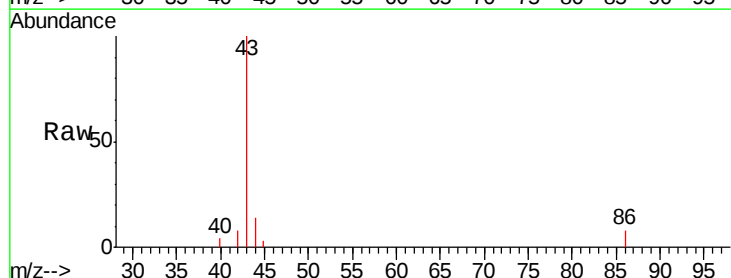
RT: 3.54 min Scan# 735

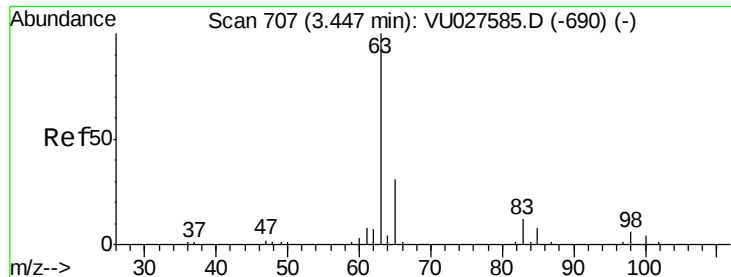
Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	43	Resp:	11043
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.0	10.4





#24

1,1-Dichloroethane

Concen: 0.53 ug/l

RT: 3.45 min Scan# 709

Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

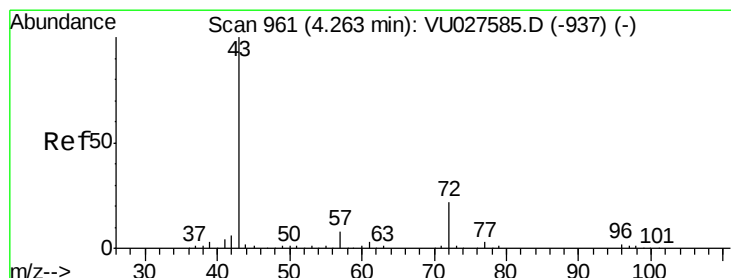
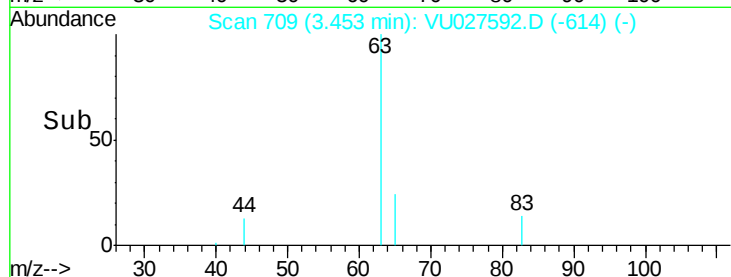
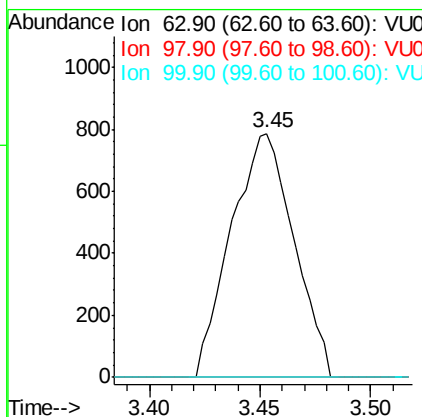
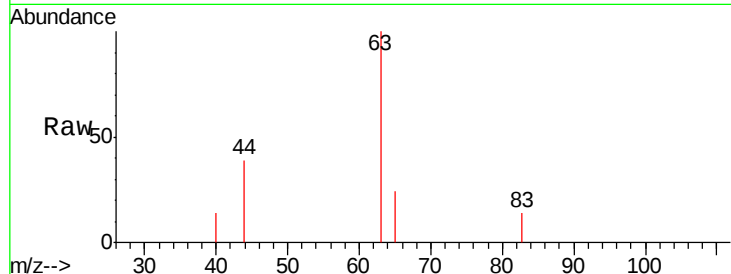
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	63	Resp:	1548
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.0	9.2#
100	0.0	1.8	5.5#

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#25

2-Butanone

Concen: 2.45 ug/l

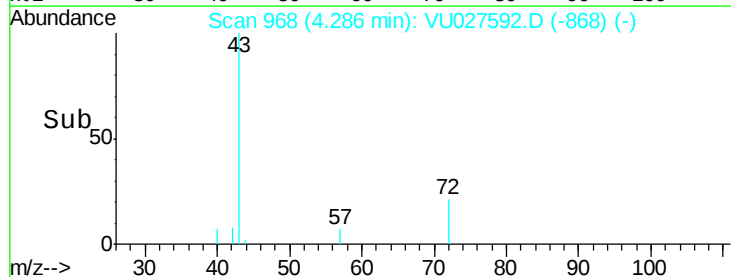
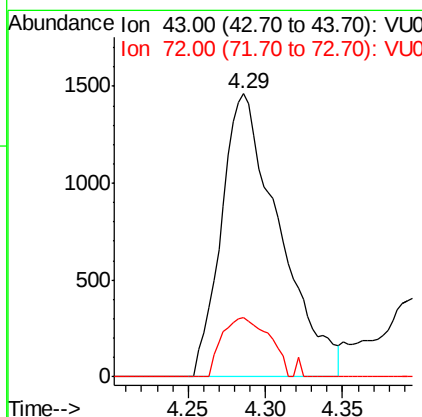
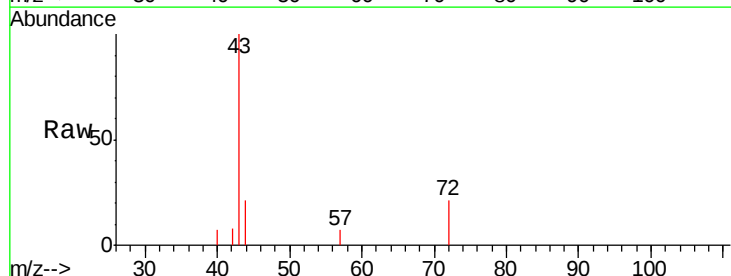
RT: 4.29 min Scan# 968

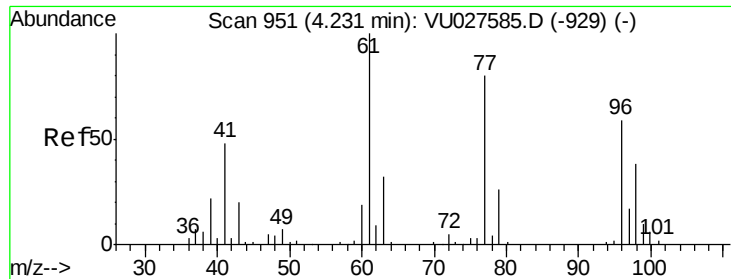
Delta R.T. 0.02 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	43	Resp:	3794
Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.8	26.6





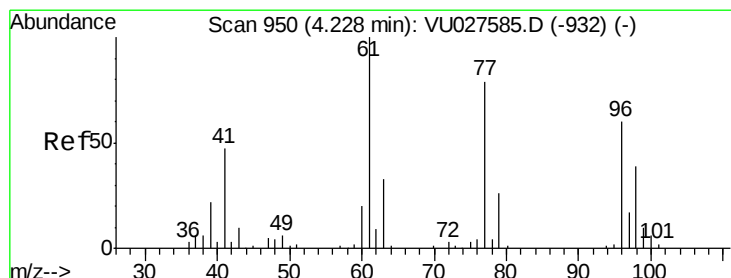
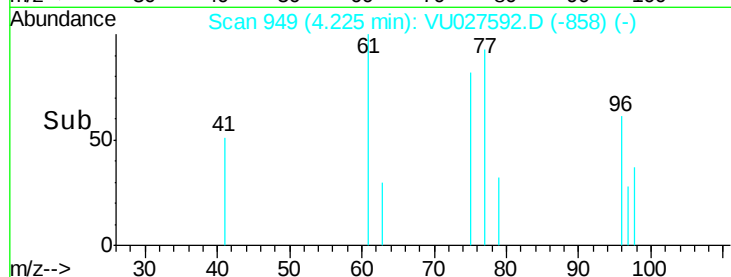
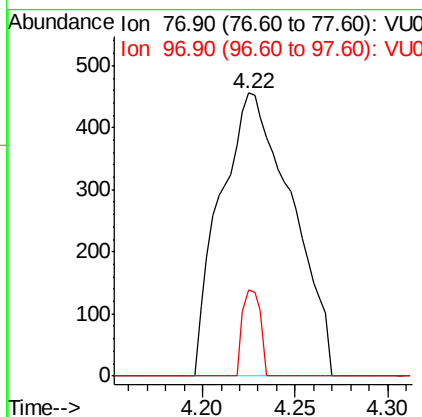
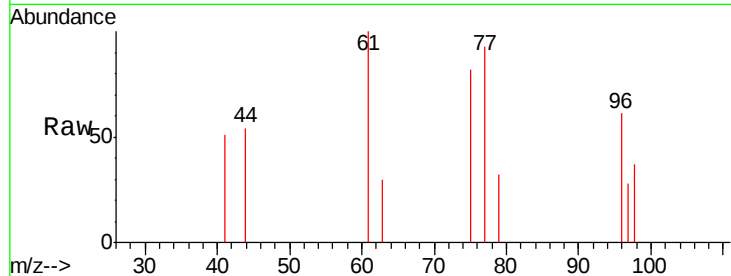
#26
 2,2-Dichloropropane
 Concen: 0.52 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion: 77 Resp: 1222
 Ion Ratio Lower Upper
 77 100
 97 7.6 10.4 31.1#

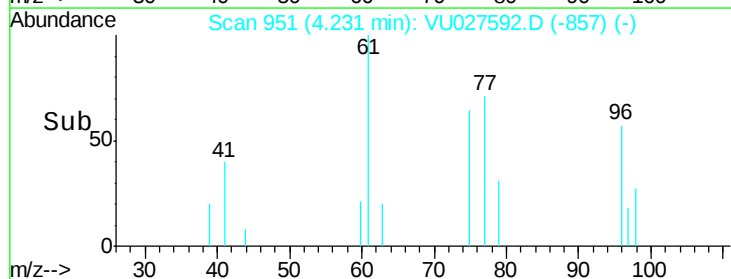
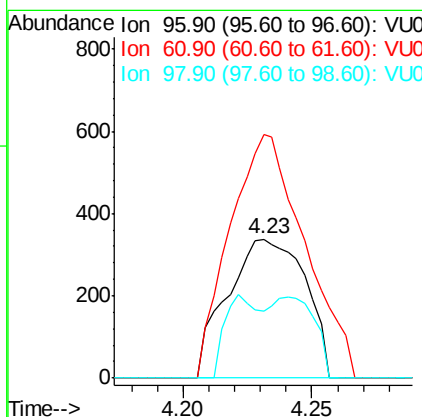
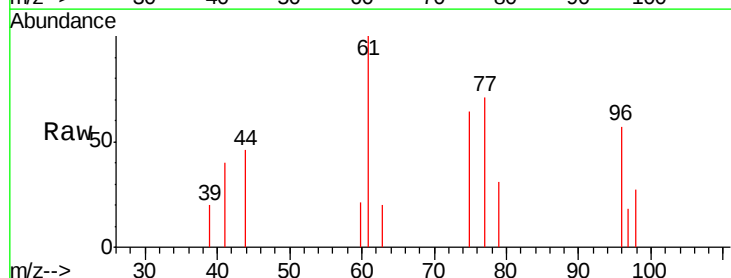
Manual Integrations
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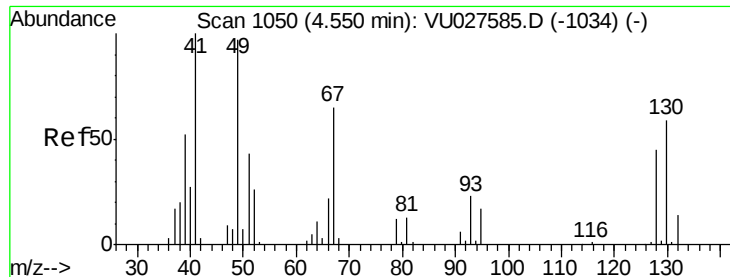
MMDadoda
 10/16/2018 2:22:57 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.49 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion: 96 Resp: 714
 Ion Ratio Lower Upper
 96 100
 61 167.8 0.0 343.8
 98 27.0 0.0 129.0





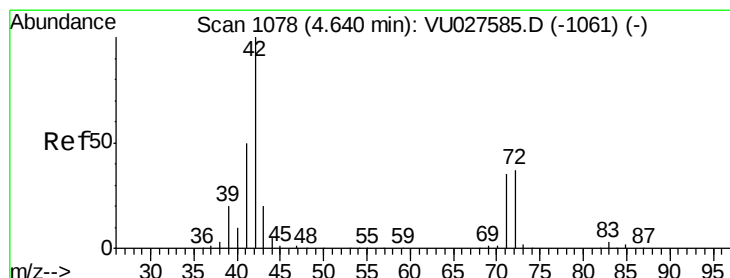
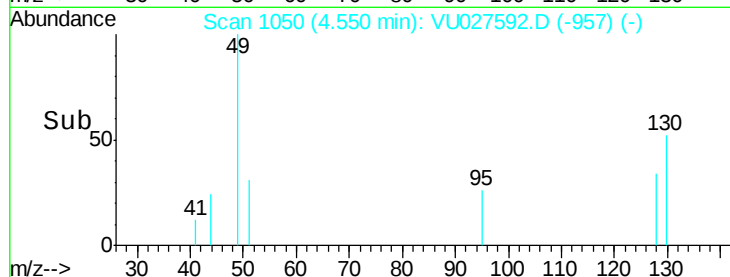
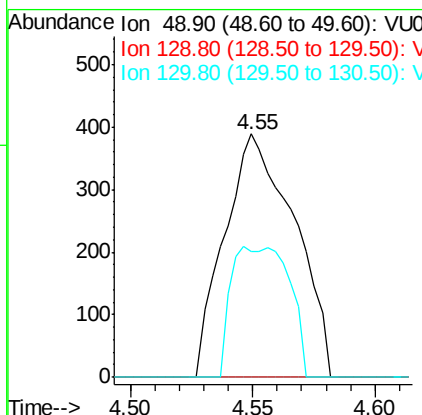
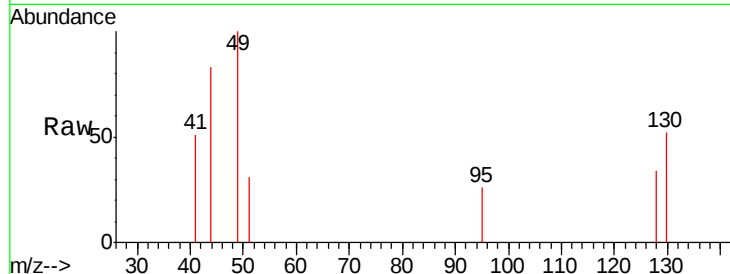
#28
Bromochloromethane
Concen: 0.54 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 49 Resp: 772
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 44.8 46.1 69.1#

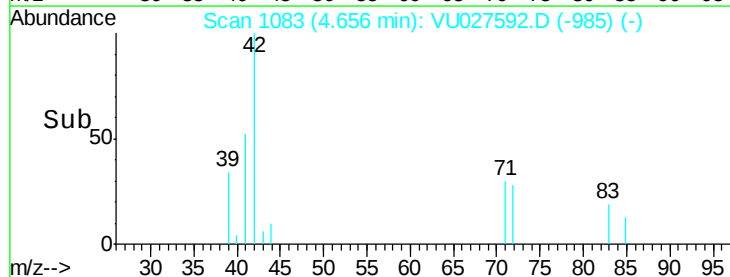
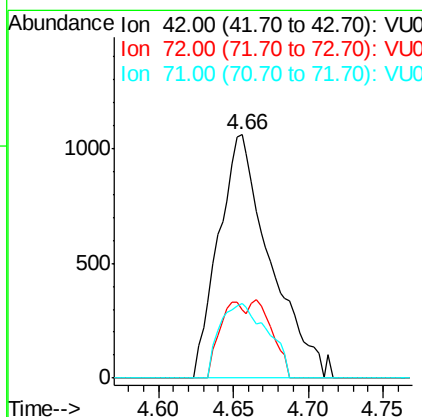
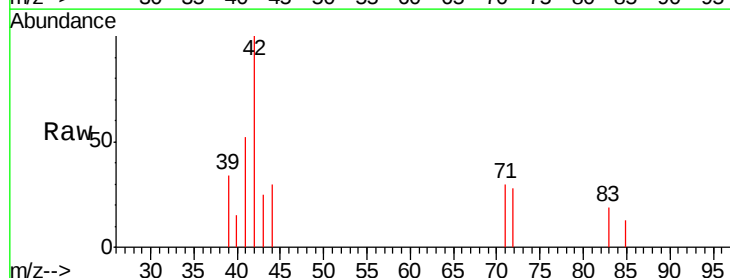
Manual Integrations
APPROVED

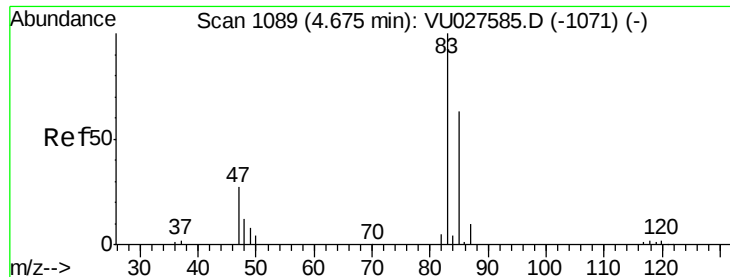
MMDadoda
10/16/2018 2:22:57 PM



#29
Tetrahydrofuran
Concen: 2.63 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 42 Resp: 2546
Ion Ratio Lower Upper
42 100
72 15.9 30.1 45.1#
71 28.2 27.7 41.5





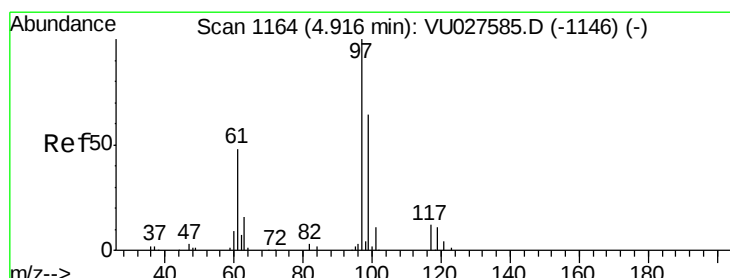
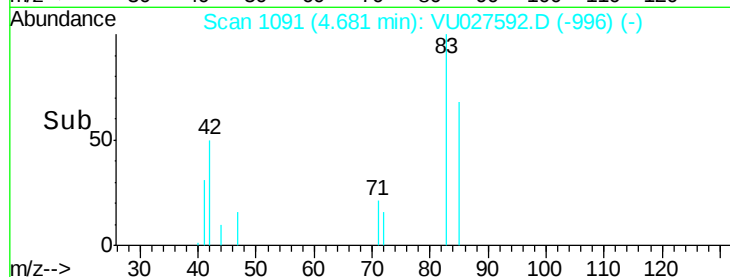
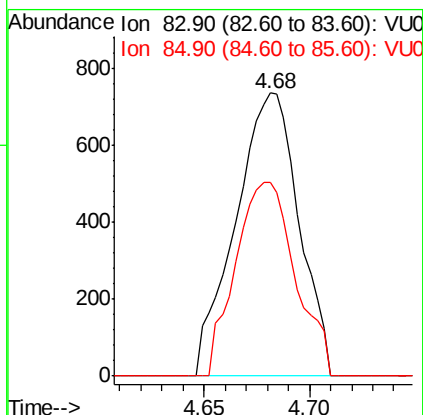
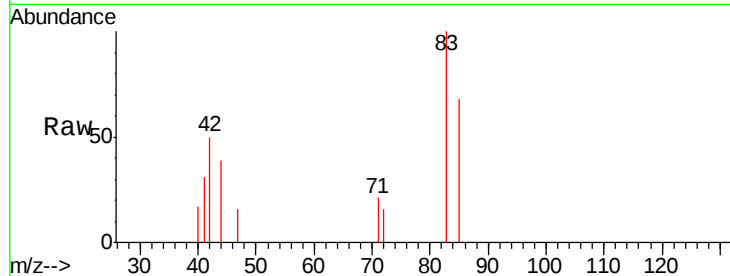
#30
Chloroform
Concen: 0.59 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 83 Resp: 1540
Ion Ratio Lower Upper
83 100
85 68.3 51.8 77.6

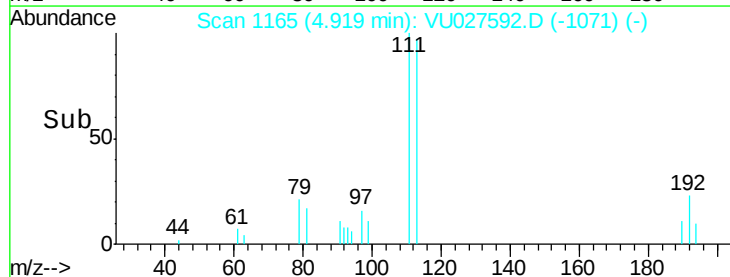
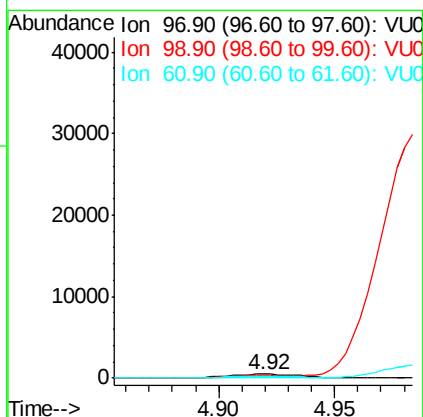
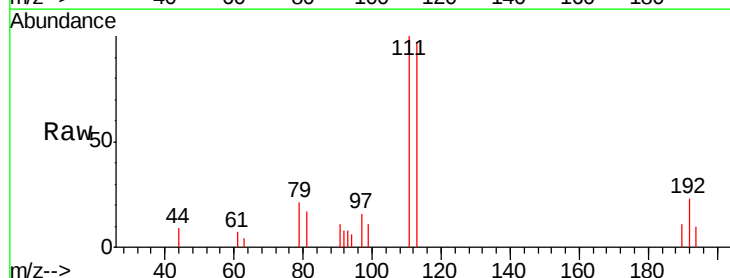
Manual Integrations
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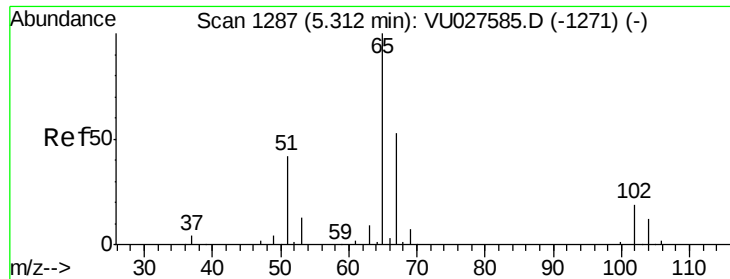
MMDadoda
10/16/2018 2:22:57 PM



#32
1,1,1-Trichloroethane
Concen: 0.45 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 97 Resp: 995
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 45.3 39.6 59.4





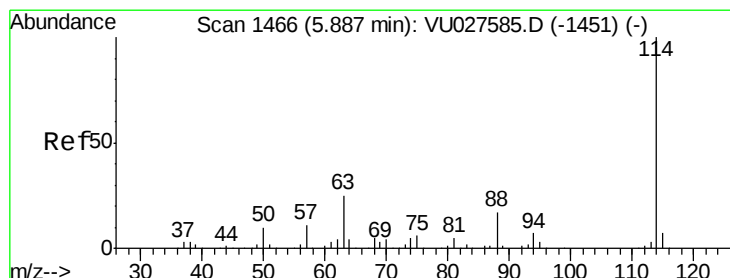
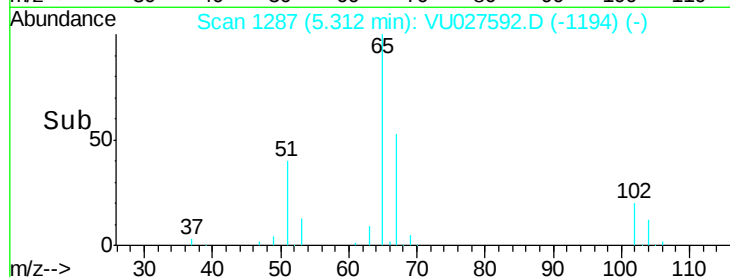
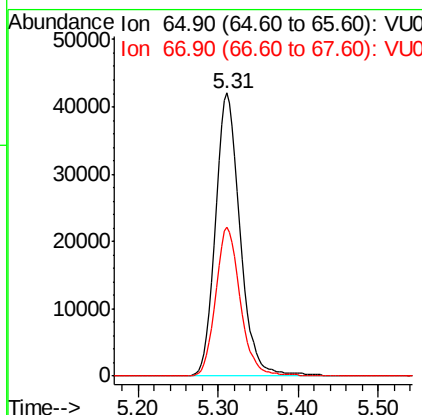
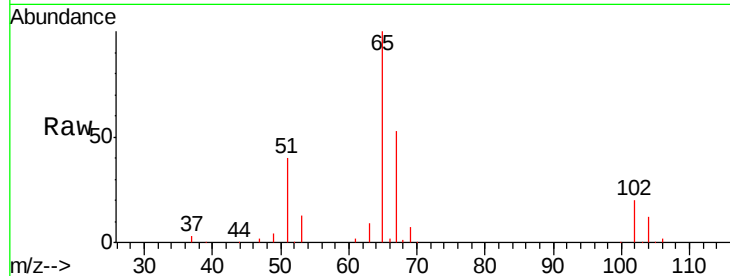
#33
 1,2-Dichloroethane-d4
 Concen: 50.32 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion: 65 Resp: 90073
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.8

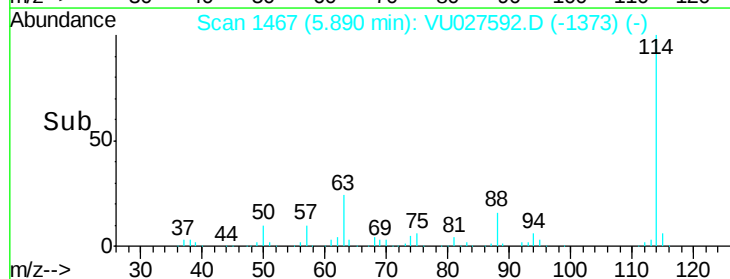
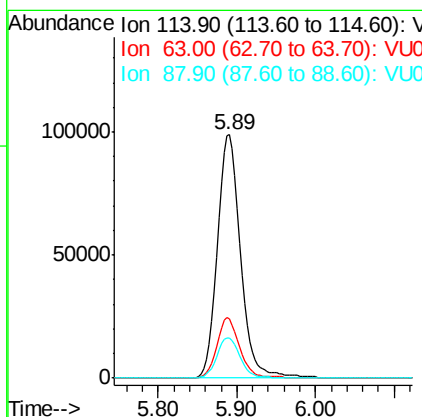
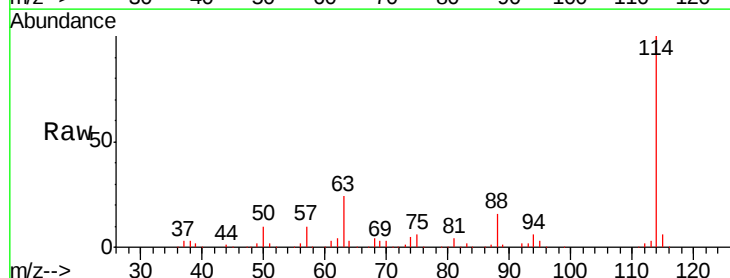
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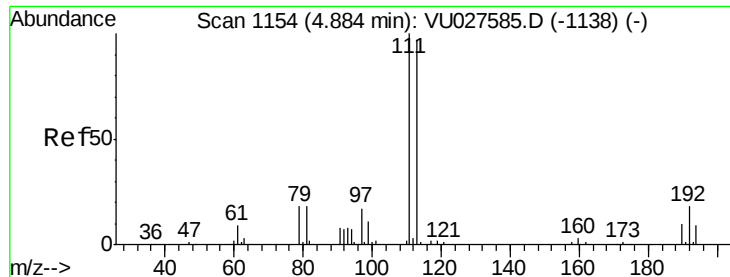
MMDadoda
 10/16/2018 2:22:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion: 114 Resp: 200930
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.2
 88 16.4 0.0 33.8





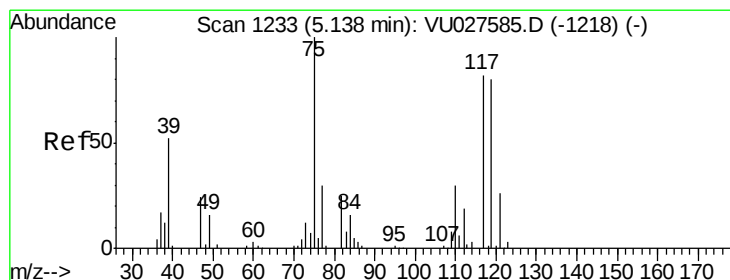
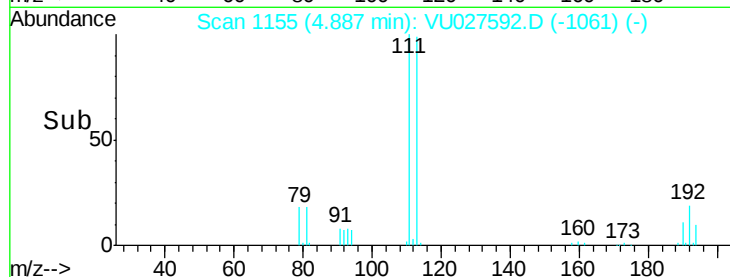
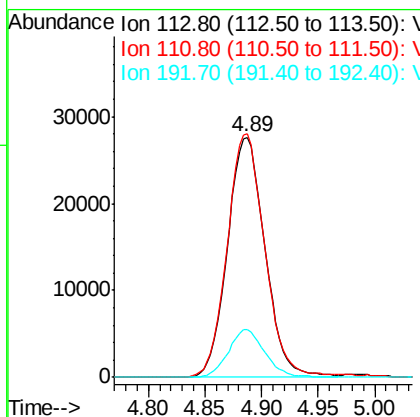
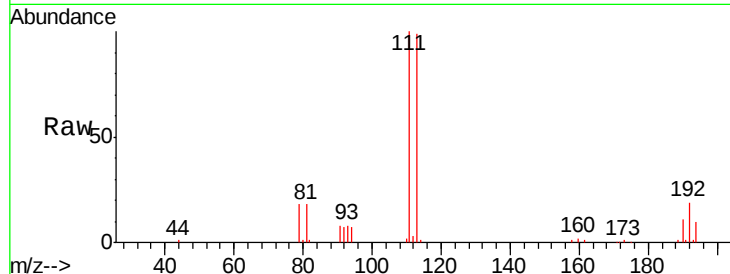
#35
 Dibromofluoromethane
 Concen: 48.00 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	19.3	15.4	23.0

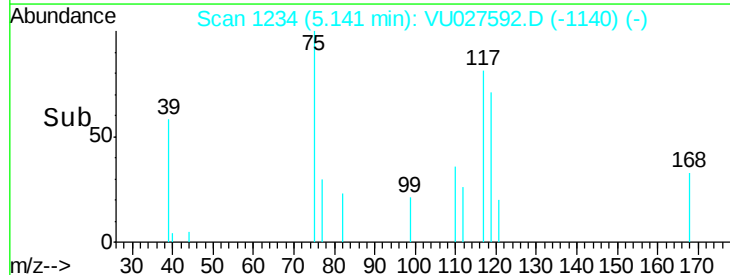
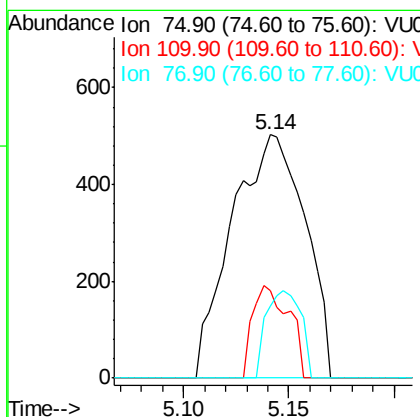
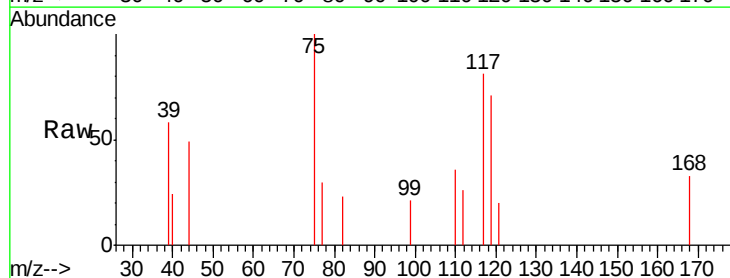
Manual Integrations
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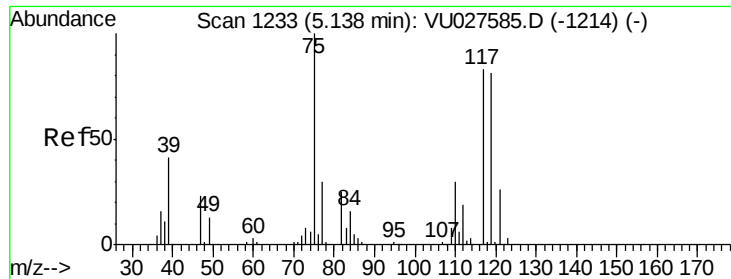
MMDadoda
 10/16/2018 2:22:57 PM



#36
 1,1-Dichloropropene
 Concen: 0.59 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	18.8	15.5	46.5
77	17.0	25.4	38.0





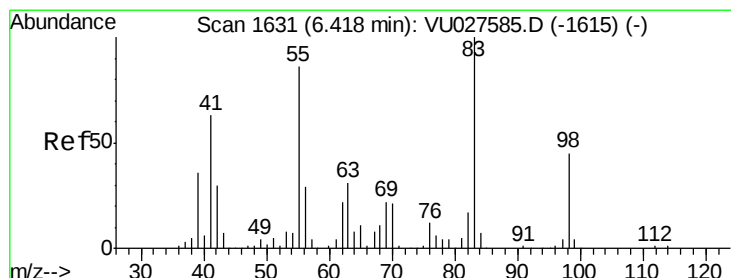
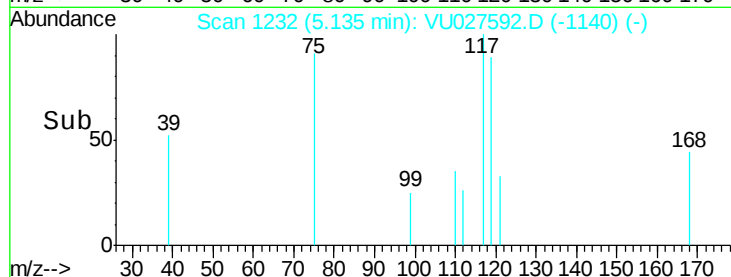
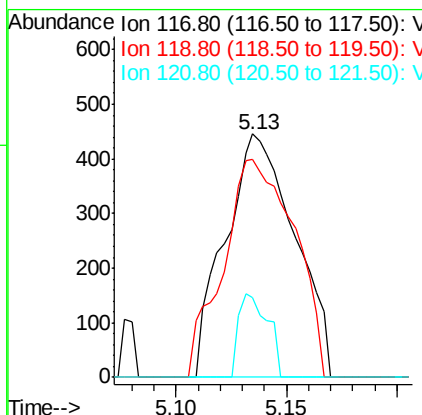
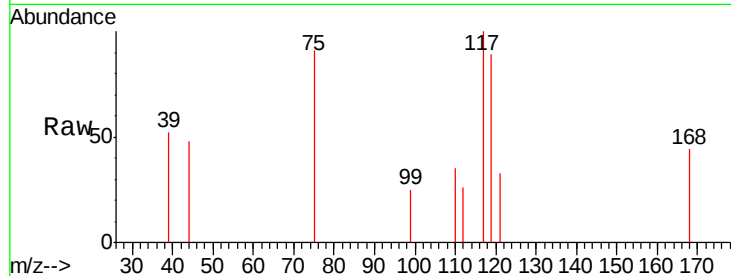
#38
Carbon Tetrachloride
Concen: 0.52 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 117 Resp: 973
Ion Ratio Lower Upper
117 100
119 89.5 74.5 111.7
121 32.7 24.6 37.0

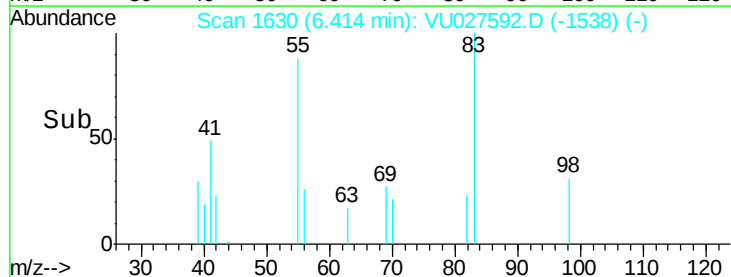
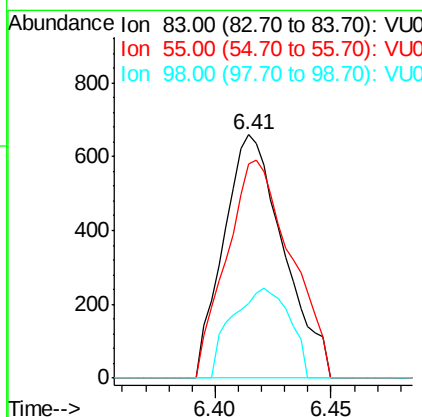
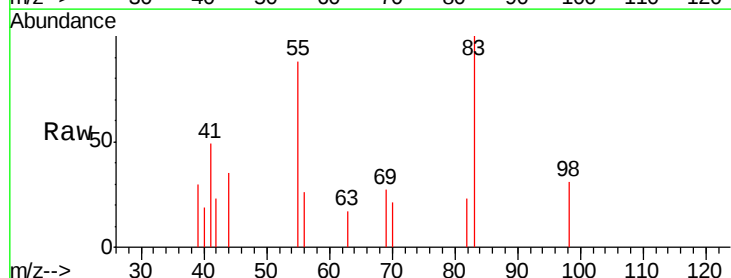
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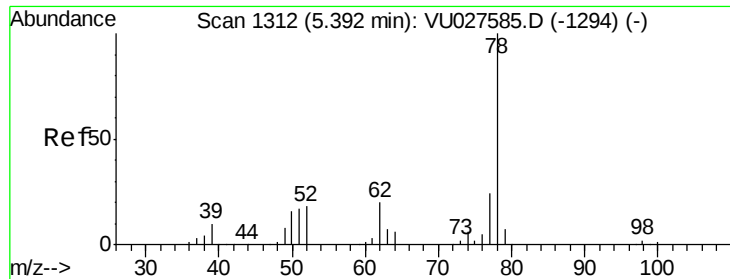
MMDadoda
10/16/2018 2:22:57 PM



#39
Methylcyclohexane
Concen: 0.51 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 83 Resp: 1180
Ion Ratio Lower Upper
83 100
55 87.7 71.1 106.7
98 30.8 36.3 54.5#





#40

Benzene

Concen: 0.51 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 78 Resp: 3162

Ion Ratio Lower Upper

78 100

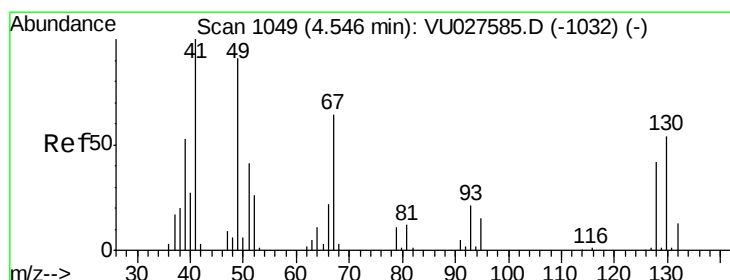
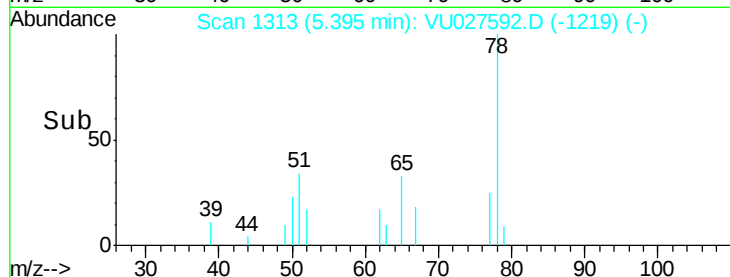
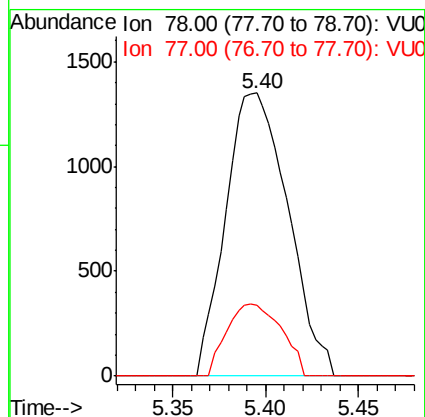
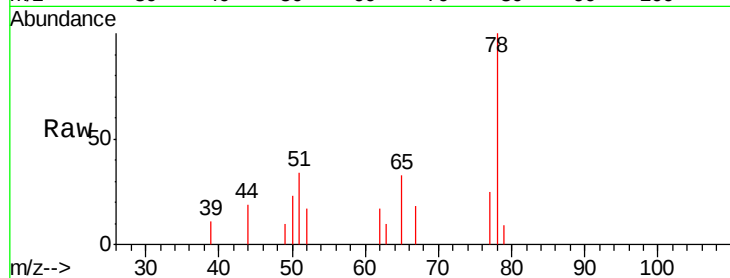
77 25.0 19.3 28.9

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.95 ug/l

RT: 4.57 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion: 41 Resp: 572

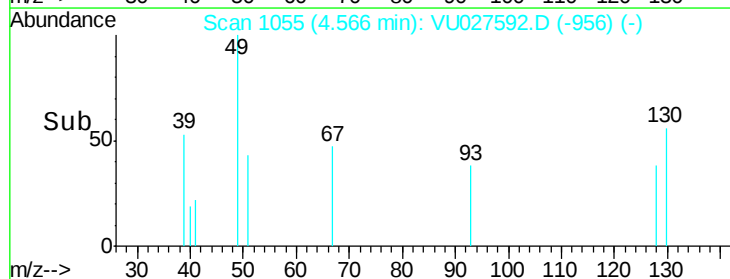
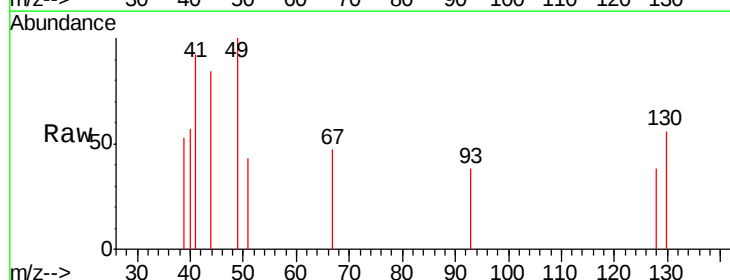
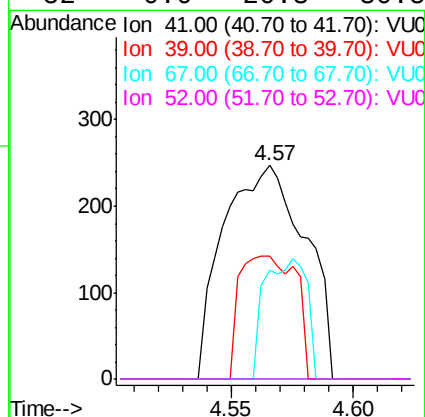
Ion Ratio Lower Upper

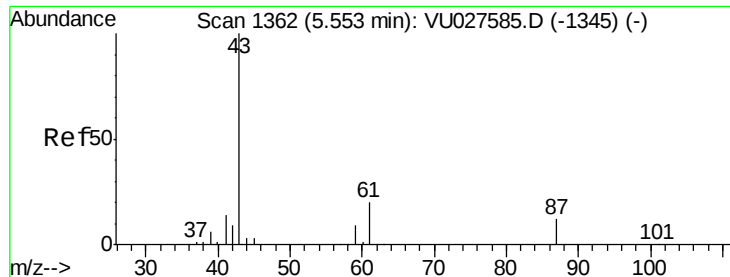
41 100

39 39.7 41.1 61.7#

67 29.0 50.4 75.6#

52 0.0 20.3 30.5#





#43

Isopropyl Acetate

Concen: 0.46 ug/l

RT: 5.56 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

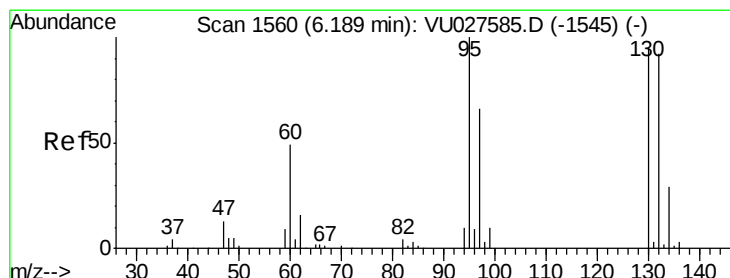
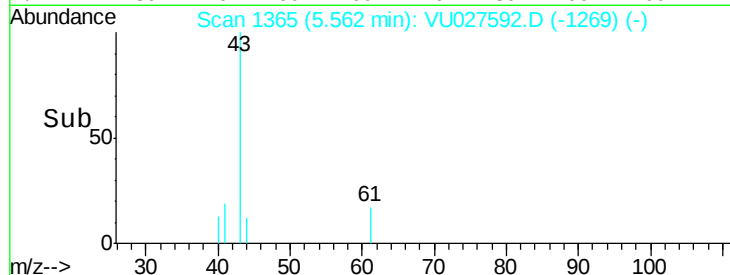
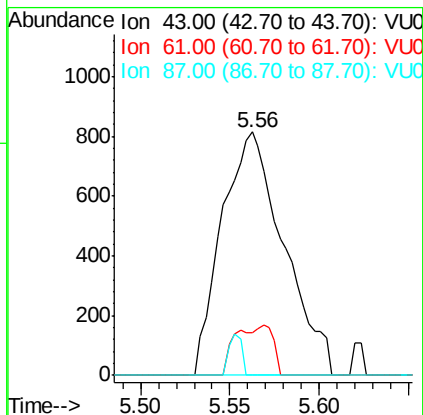
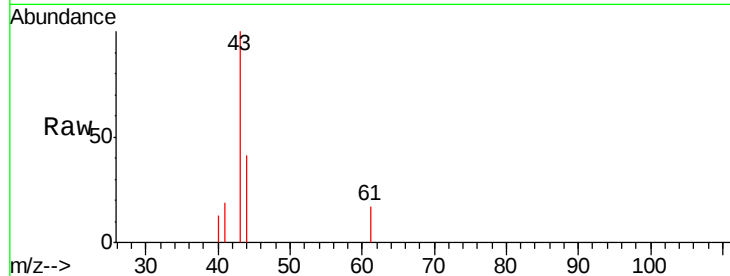
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	43	Resp:	1969
Ion	Ratio	Lower	Upper
43	100		
61	12.5	15.3	22.9#
87	3.6	8.6	13.0#

Manual Integrations
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MMDadoda
10/16/2018 2:22:57 PM



#44

Trichloroethene

Concen: 0.52 ug/l

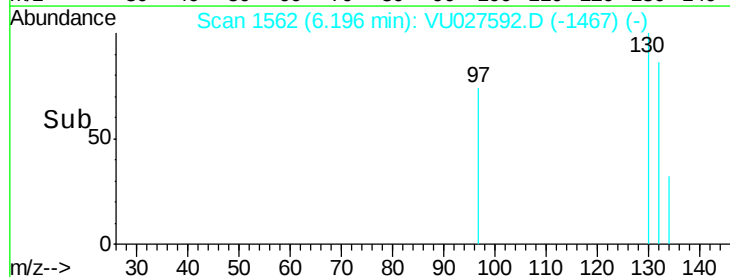
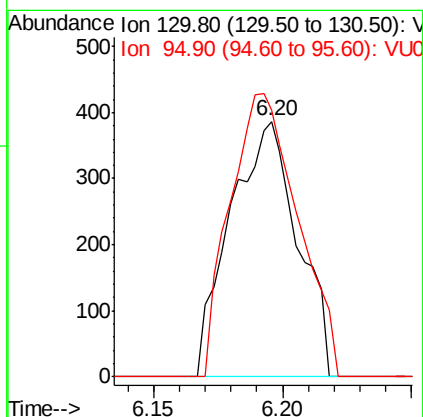
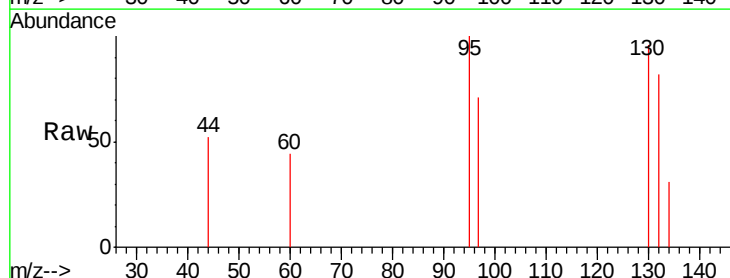
RT: 6.20 min Scan# 1562

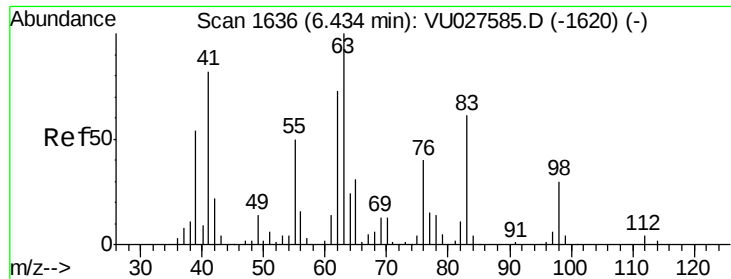
Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	130	Resp:	704
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	207.0





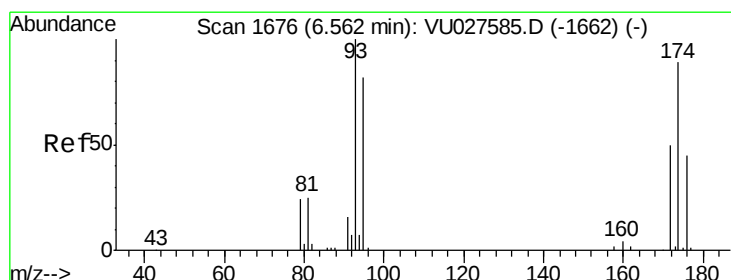
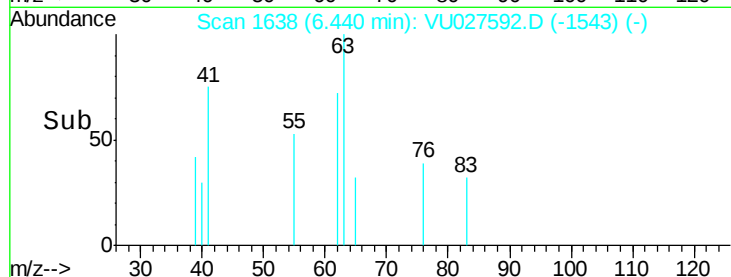
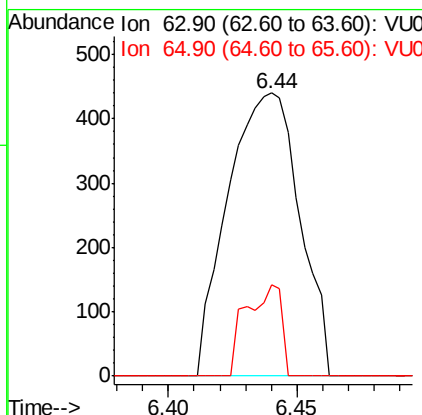
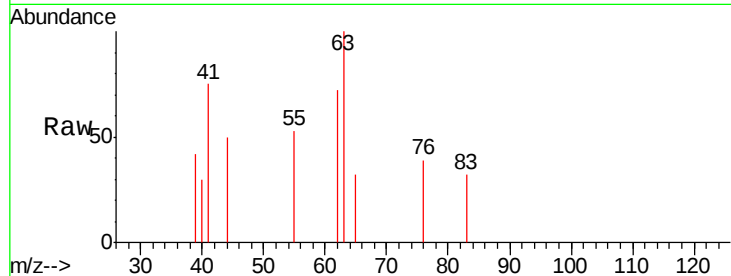
#45
 1,2-Dichloropropane
 Concen: 0.49 ug/l
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion: 63 Resp: 854
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.0 39.0

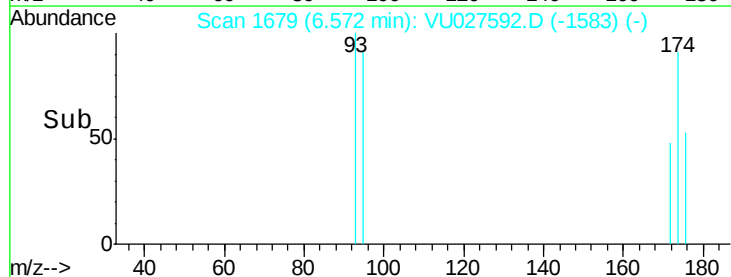
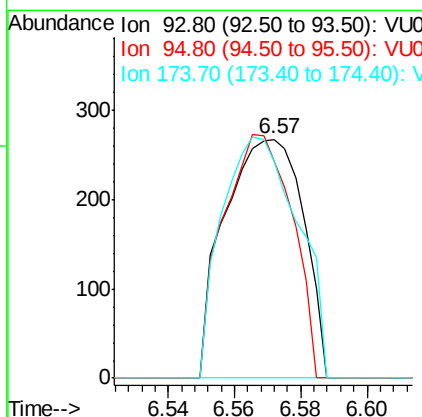
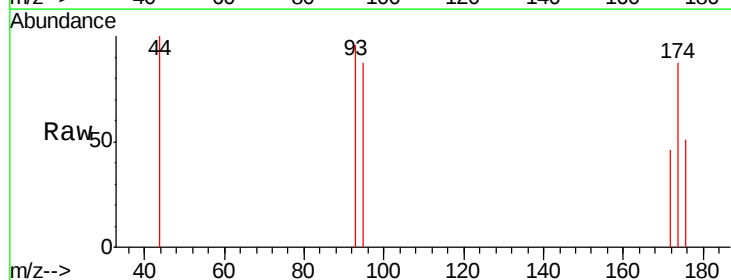
Manual Integrations
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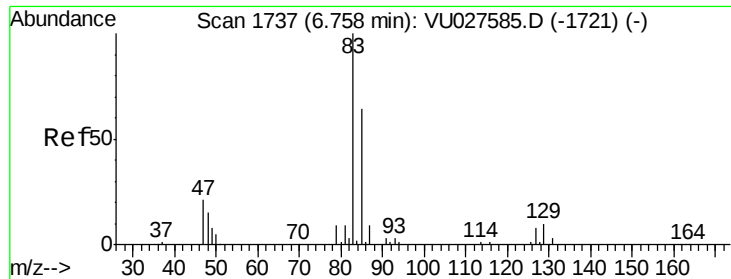
MMDadoda
 10/16/2018 2:22:57 PM



#46
 Dibromomethane
 Concen: 0.43 ug/l
 RT: 6.57 min Scan# 1679
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion: 93 Resp: 442
 Ion Ratio Lower Upper
 93 100
 95 88.7 66.5 99.7
 174 97.7 72.5 108.7





#47

Bromodichloromethane

Concen: 0.45 ug/l

RT: 6.76 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

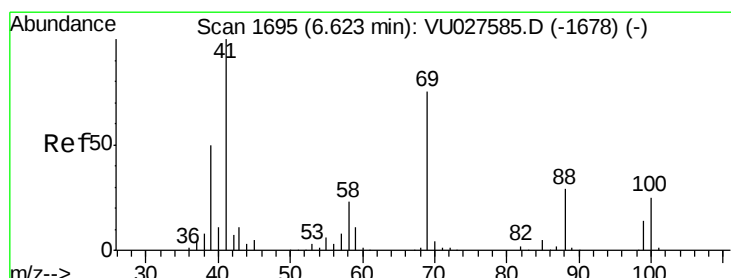
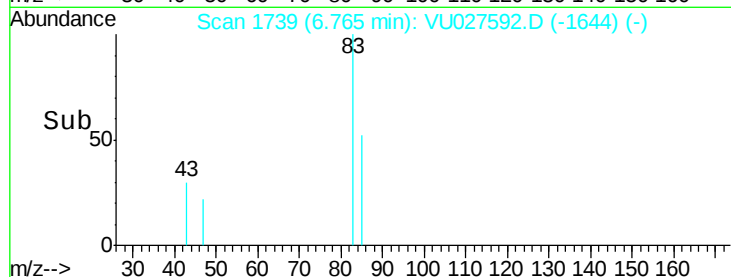
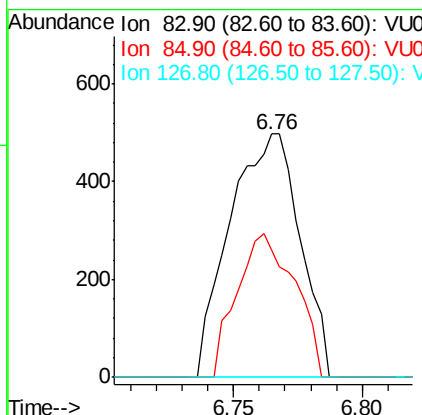
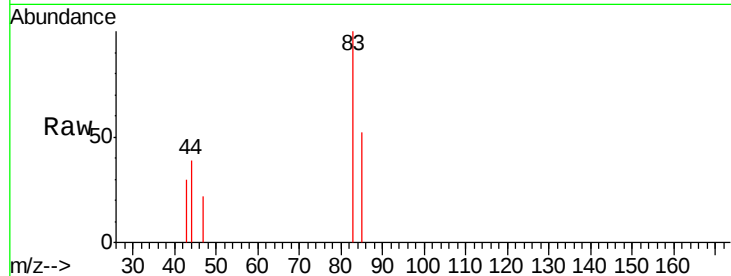
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	83	Resp:	943
Ion	Ratio	Lower	Upper
83	100		
85	52.2	51.4	77.0
127	0.0	6.3	9.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 1.90 ug/l

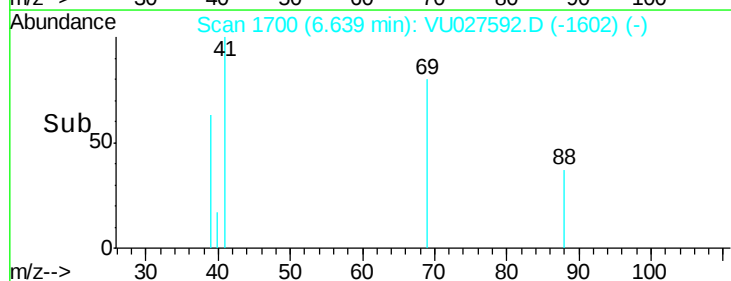
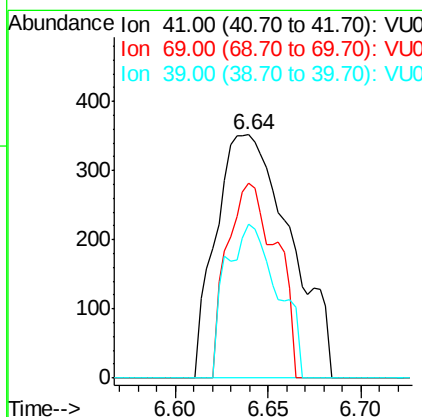
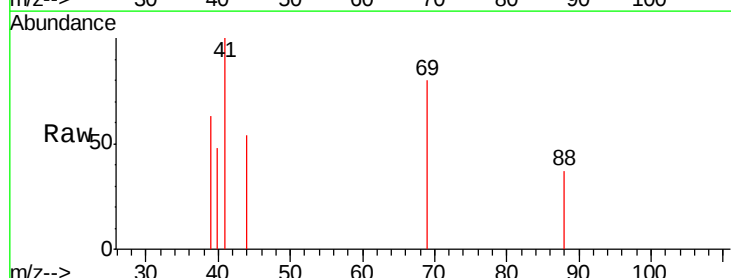
RT: 6.64 min Scan# 1700

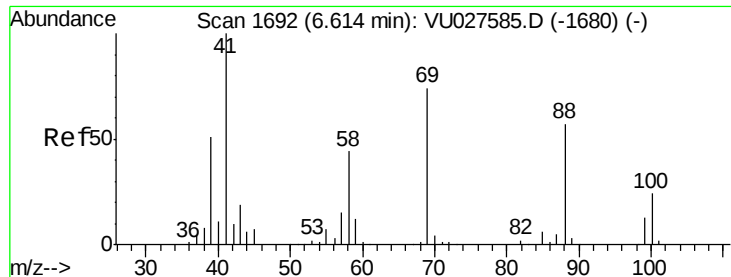
Delta R.T. 0.02 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	41	Resp:	980
Ion	Ratio	Lower	Upper
41	100		
69	53.5	61.0	91.4#
39	43.9	39.9	59.9





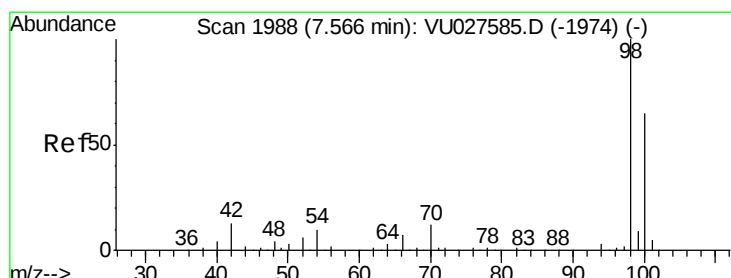
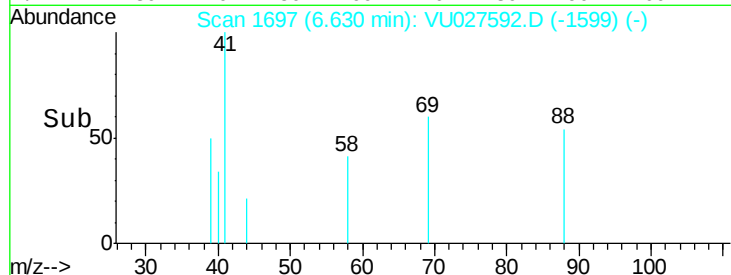
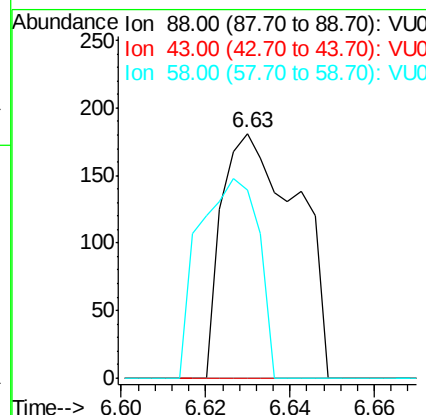
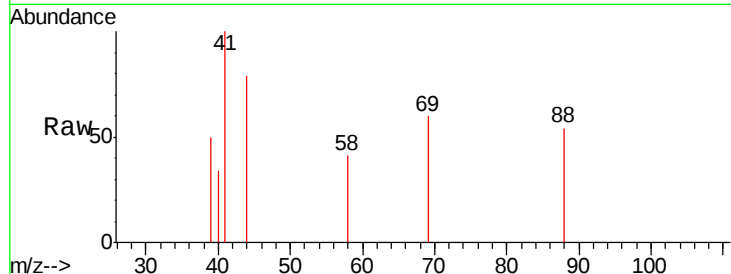
#49
1,4-Dioxane
Concen: 5.52 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	64.7	67.0	100.6#

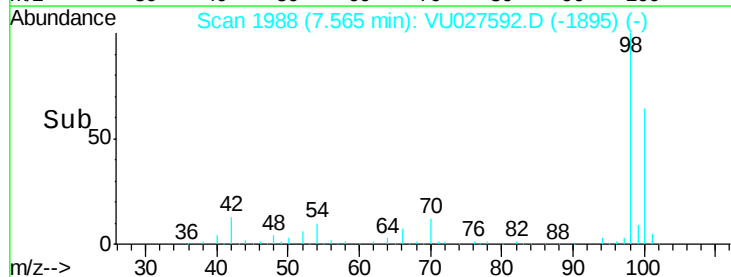
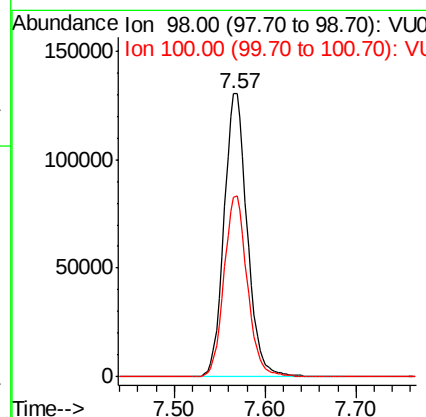
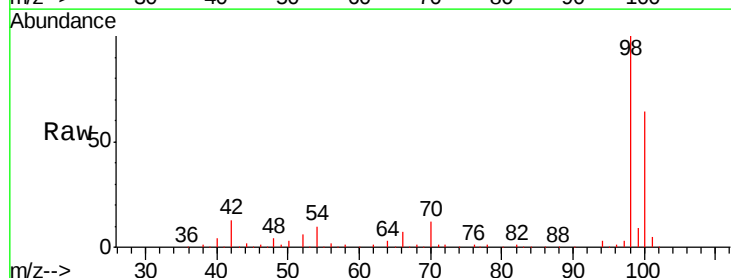
Manual Integrations
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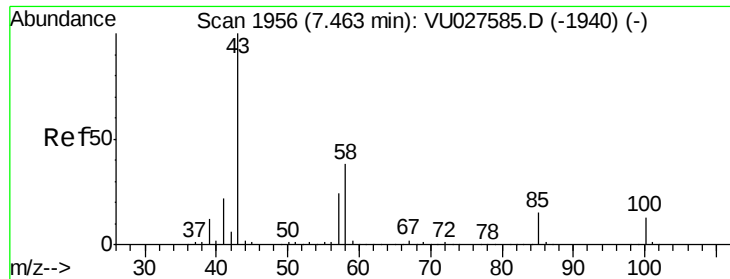
MMDadoda
10/16/2018 2:22:57 PM



#50
Toluene-d8
Concen: 45.58 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 2.23 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 6366

Ion Ratio Lower Upper

43 100

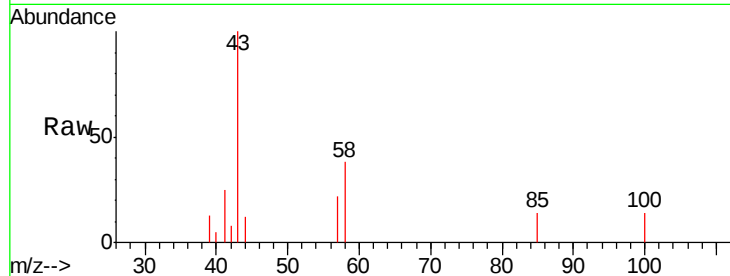
58 31.3 29.8 44.8

Manual Integrations

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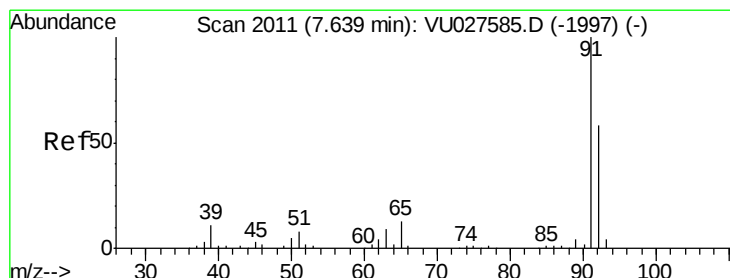
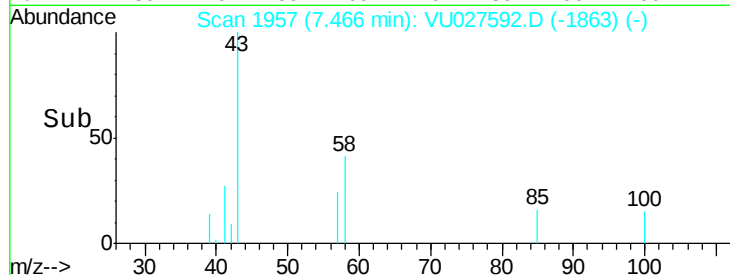
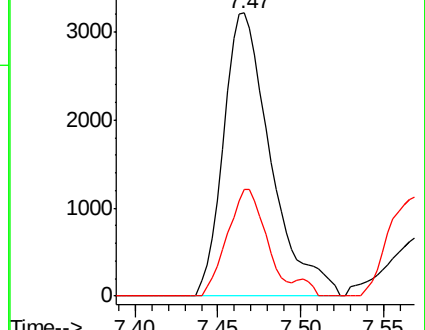
MMDadoda

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

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



#52

Toluene

Concen: 0.53 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027592.D

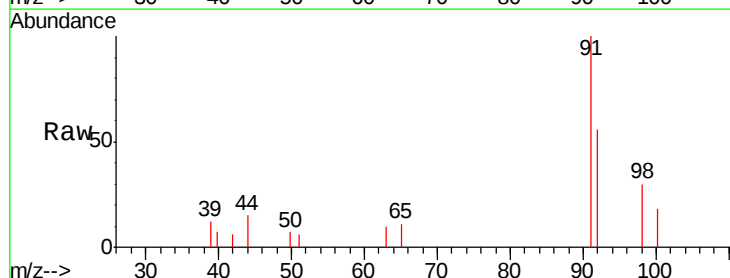
Acq: 11 Oct 2018 12:37

Tgt Ion: 92 Resp: 1871

Ion Ratio Lower Upper

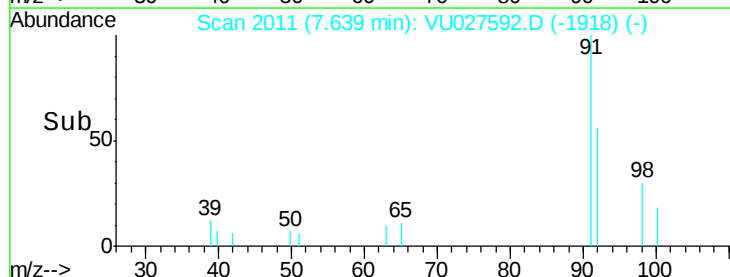
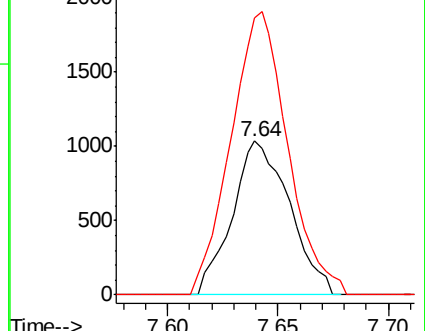
92 100

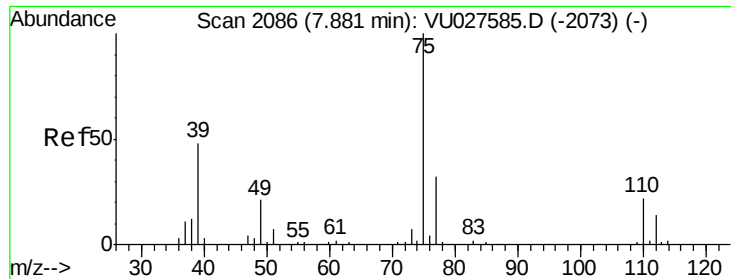
91 182.6 138.6 208.0



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

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





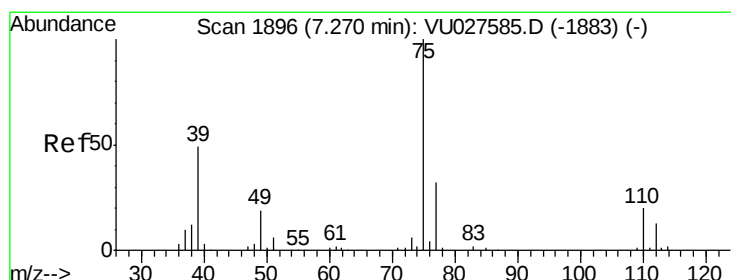
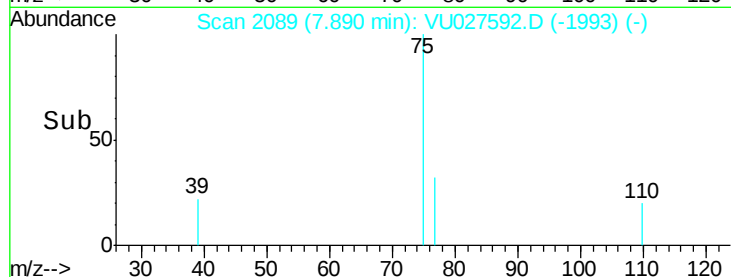
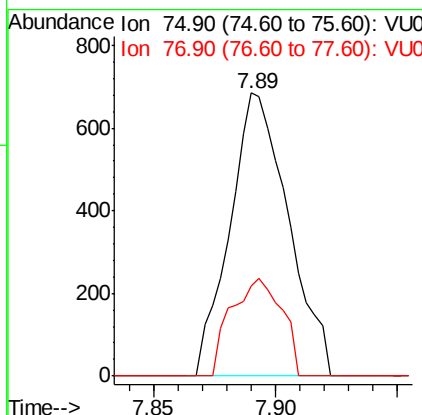
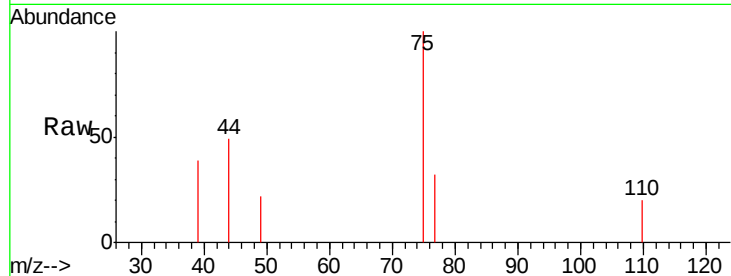
#53
t-1,3-Dichloropropene
Concen: 0.48 ug/l
RT: 7.89 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 75 Resp: 1136
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6

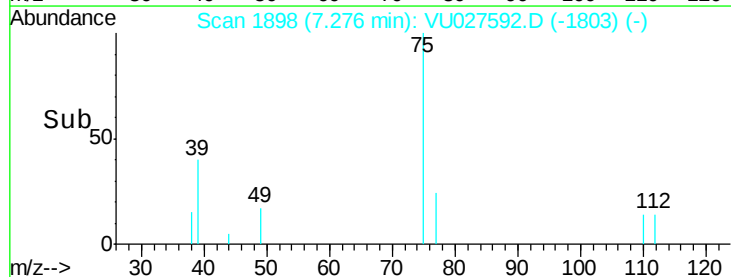
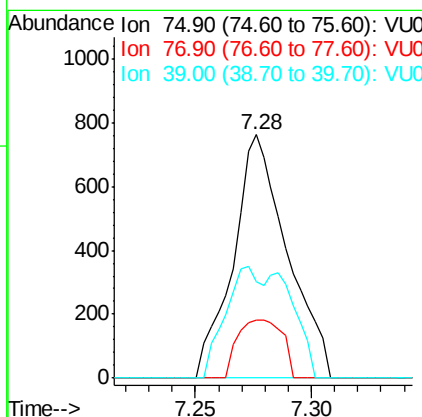
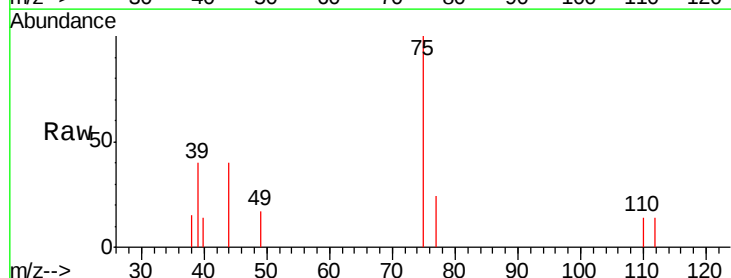
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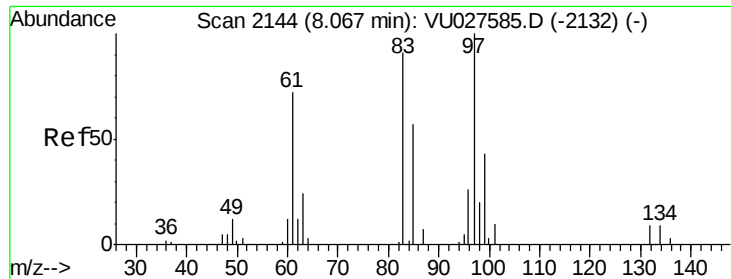
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 0.48 ug/l
RT: 7.28 min Scan# 1898
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 23.6 24.5 36.7#
39 39.8 40.1 60.1#





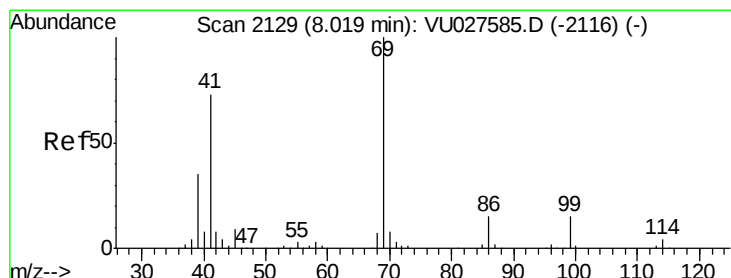
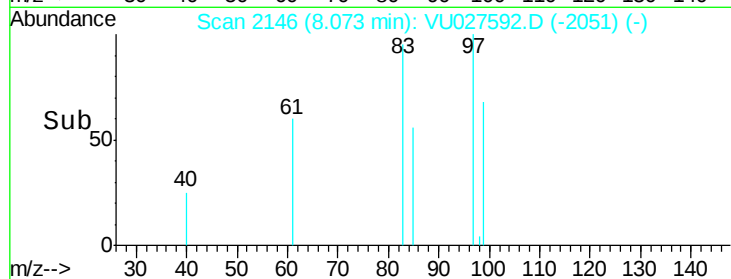
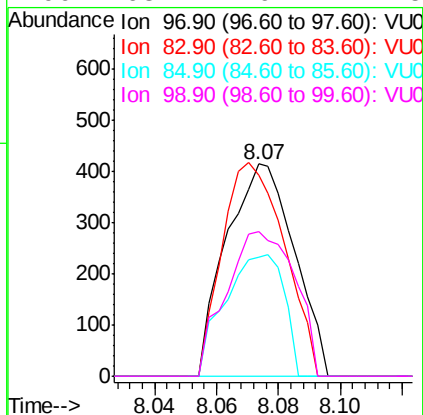
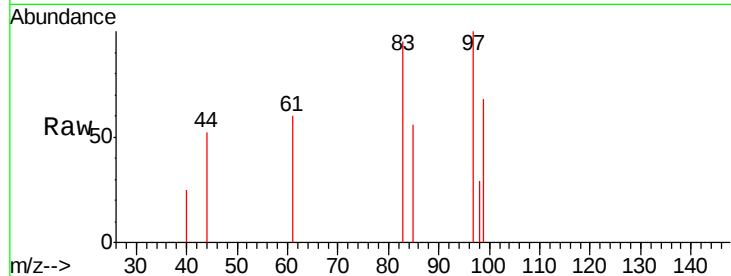
#55
 1,1,2-Trichloroethane
 Concen: 0.43 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion:	97	Resp:	632
Ion	Ratio	Lower	Upper
97	100		
83	94.7	73.0	109.6
85	56.3	47.3	70.9
99	68.4	49.7	74.5

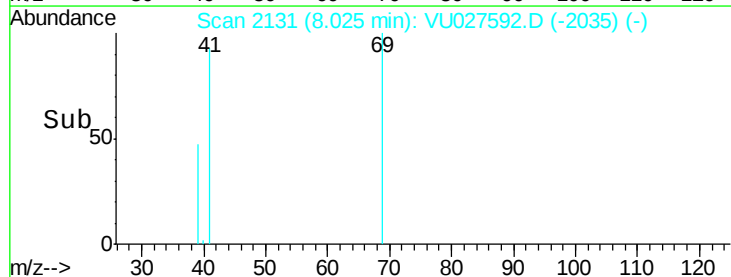
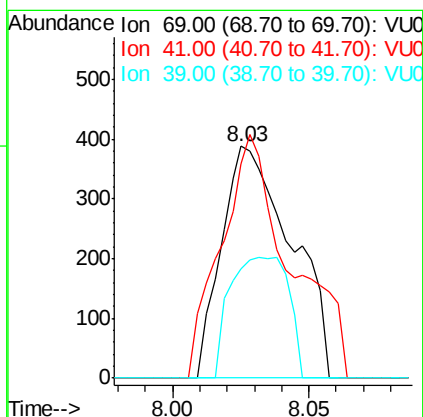
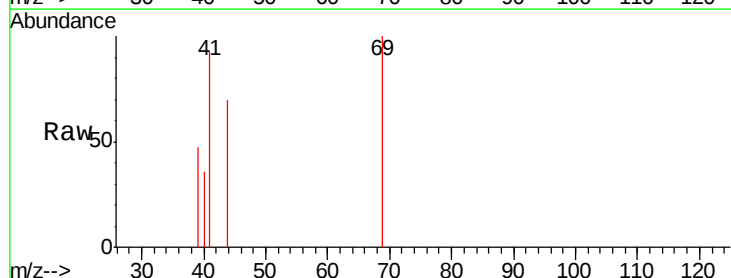
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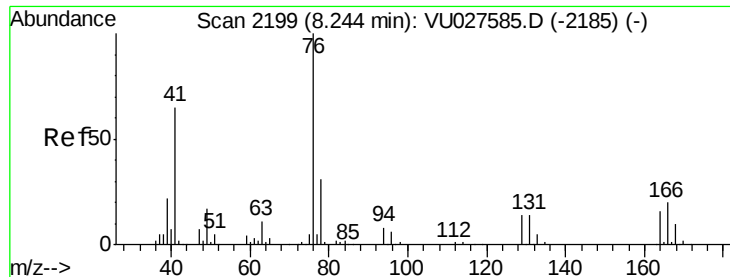
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 10/16/2018 2:22:57 PM



#56
 Ethyl methacrylate
 Concen: 2.42 ug/l
 RT: 8.03 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion:	69	Resp:	690
Ion	Ratio	Lower	Upper
69	100		
41	104.3	60.0	90.0#
39	43.8	29.5	44.3





#57

1,3-Dichloropropane

Concen: 0.46 ug/l

RT: 8.25 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 76 Resp: 1287

Ion Ratio Lower Upper

76 100

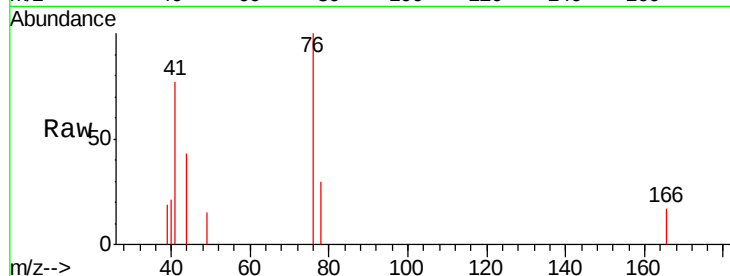
78 24.3 25.8 38.6#

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

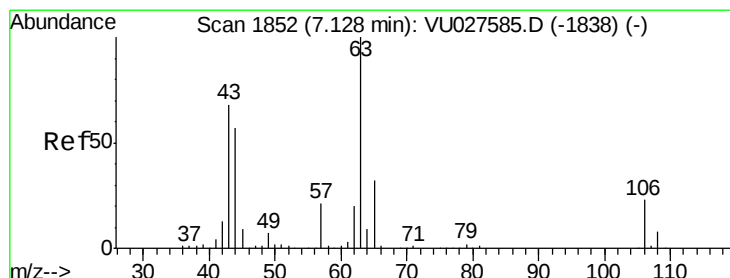
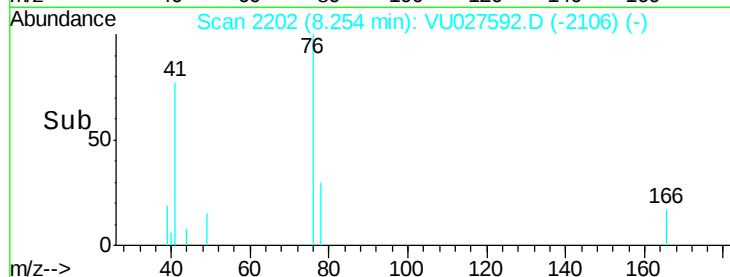
600

400

200

0

Time--> 8.20 8.25 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 7.20 ug/l

RT: 7.14 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VU027592.D

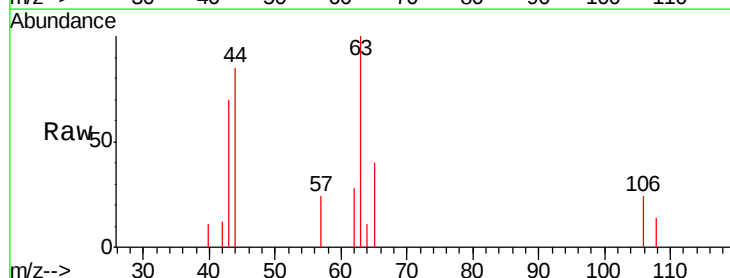
Acq: 11 Oct 2018 12:37

Tgt Ion: 63 Resp: 2497

Ion Ratio Lower Upper

63 100

106 24.6 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.14

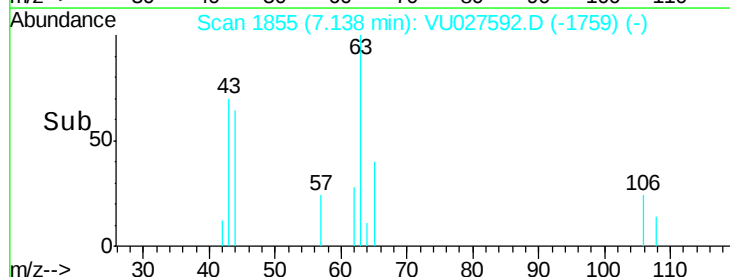
1500

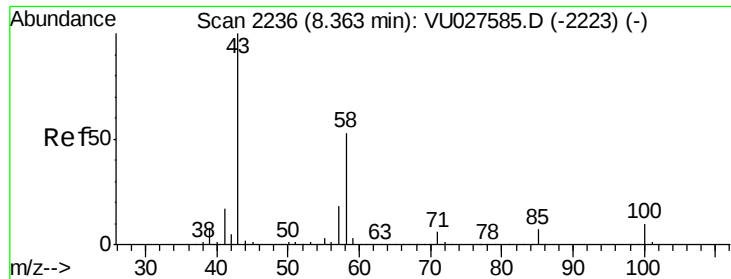
1000

500

0

Time--> 7.10 7.15 7.20





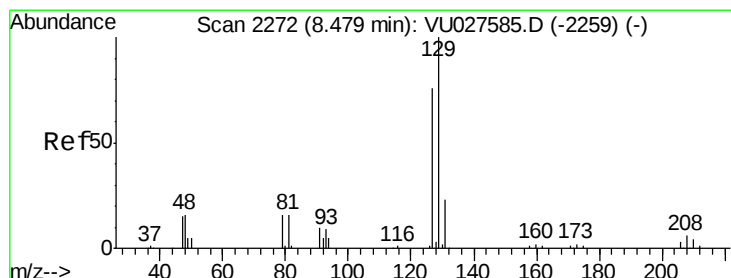
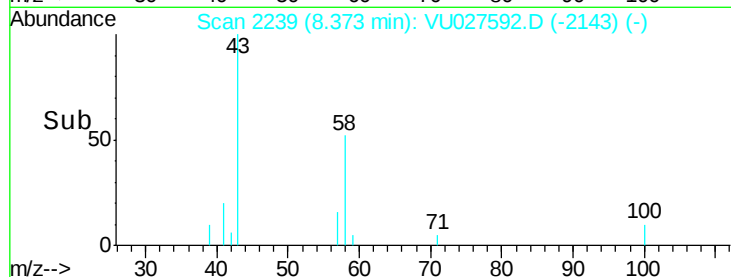
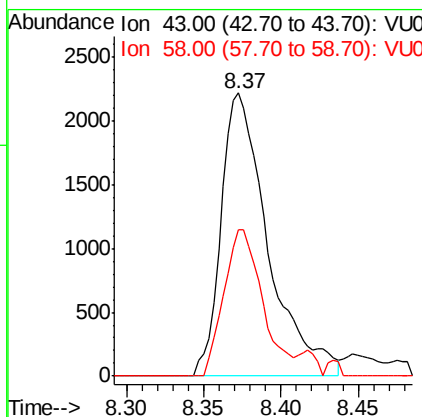
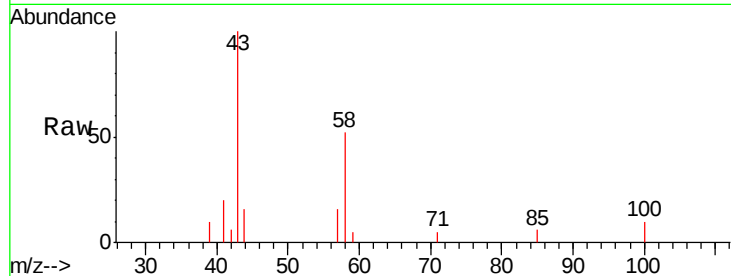
#59
2-Hexanone
Concen: 2.10 ug/l
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 43 Resp: 4662
Ion Ratio Lower Upper
43 100
58 42.4 26.1 78.3

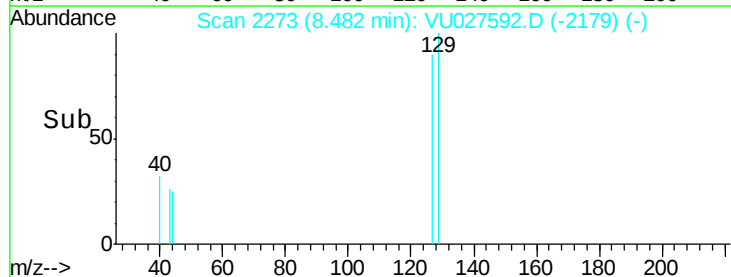
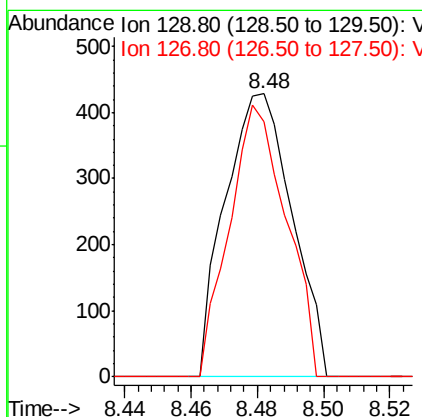
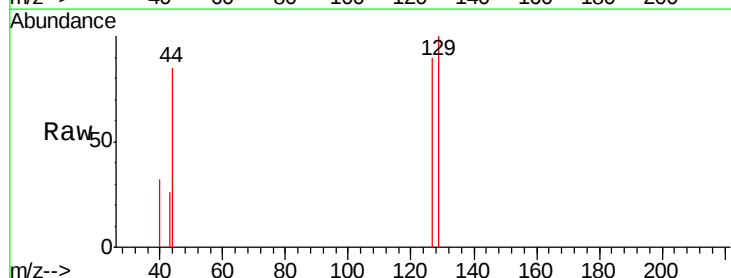
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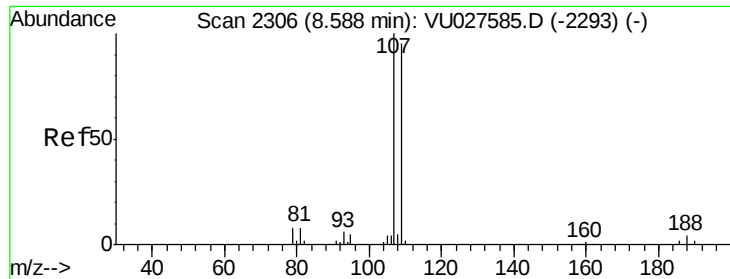
MMDadoda
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#60
Dibromochloromethane
Concen: 0.41 ug/l
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 129 Resp: 600
Ion Ratio Lower Upper
129 100
127 82.0 39.1 117.2





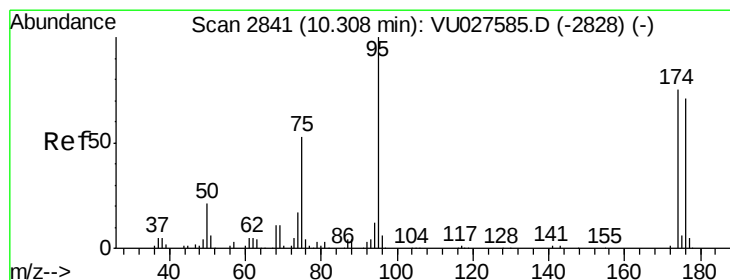
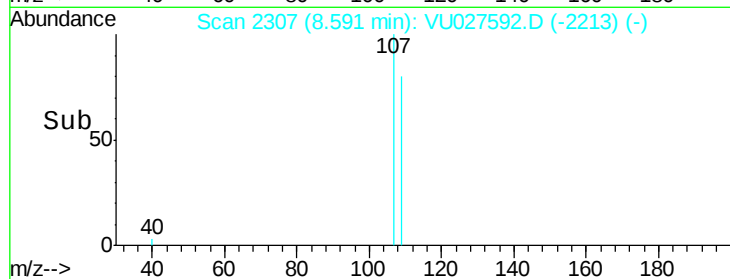
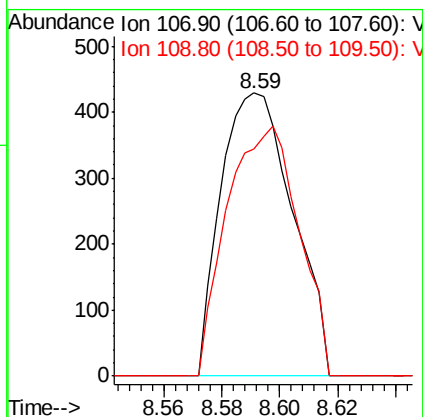
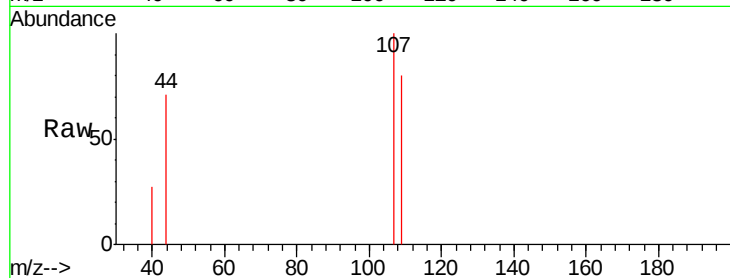
#61
 1,2-Dibromoethane
 Concen: 0.48 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion: 107 Resp: 739
 Ion Ratio Lower Upper
 107 100
 109 88.2 74.5 111.7

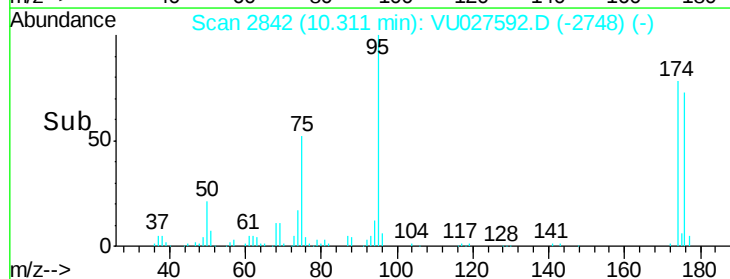
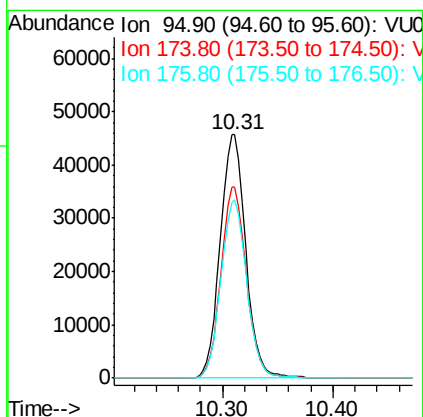
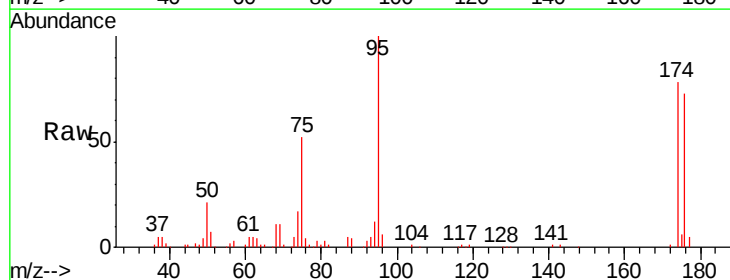
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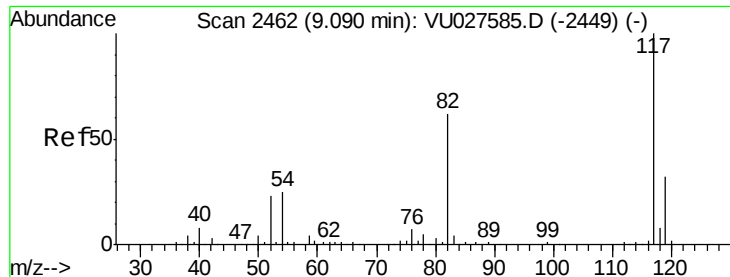
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#62
 4-Bromofluorobenzene
 Concen: 40.25 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion: 95 Resp: 73485
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 147.8
 176 73.9 0.0 140.8





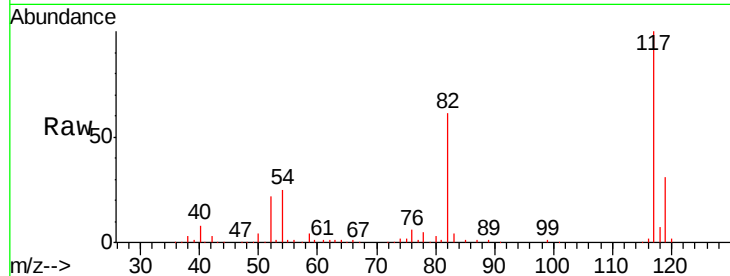
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

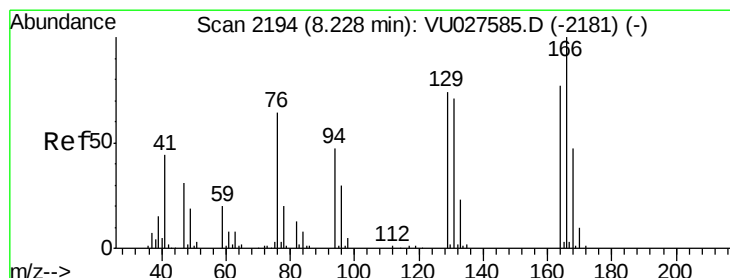
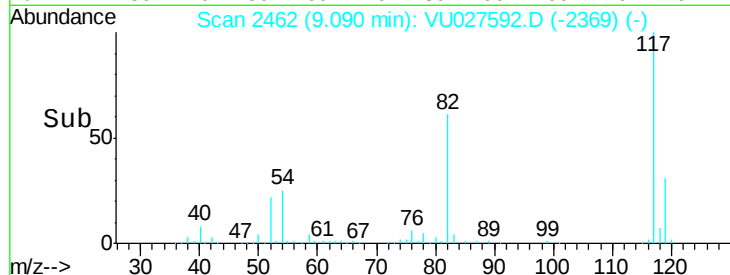
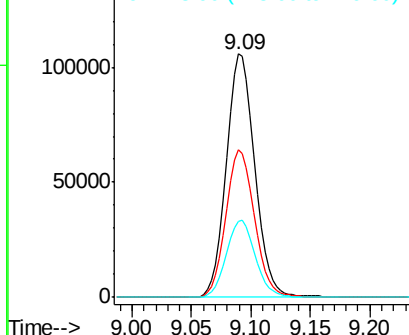
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	176211		
82	60.6	49.2	73.8	
119	31.4	25.7	38.5	

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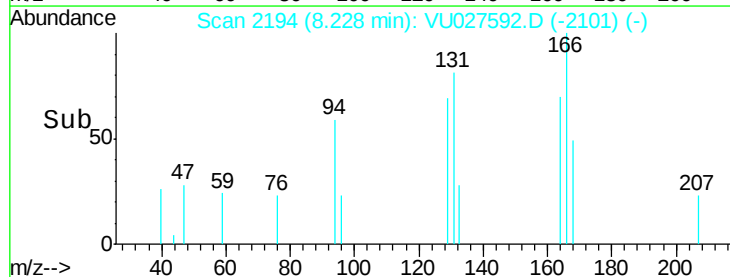
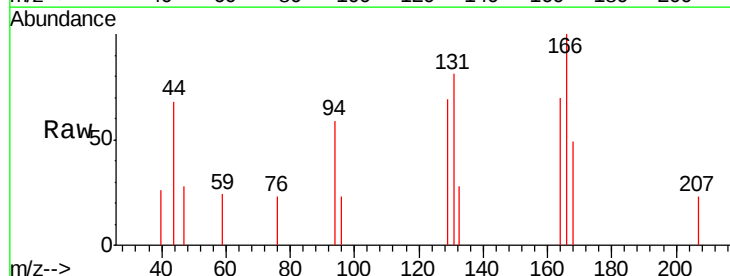
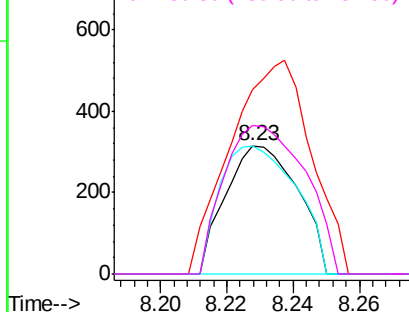
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

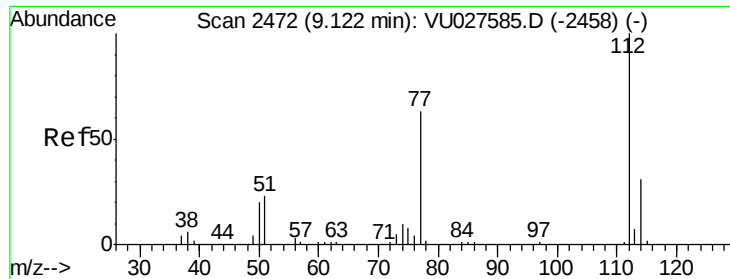


#64
Tetrachloroethene
Concen: 0.44 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	477		
166	143.8	101.0	151.6	
129	99.7	78.0	117.0	
131	115.9	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





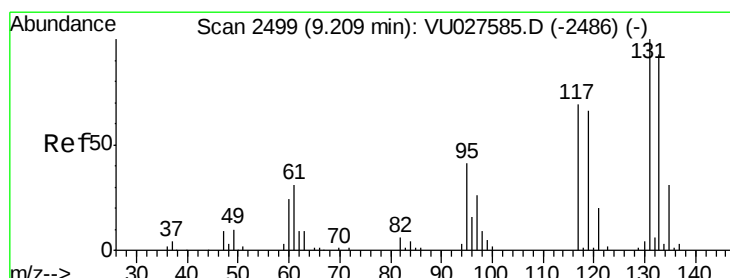
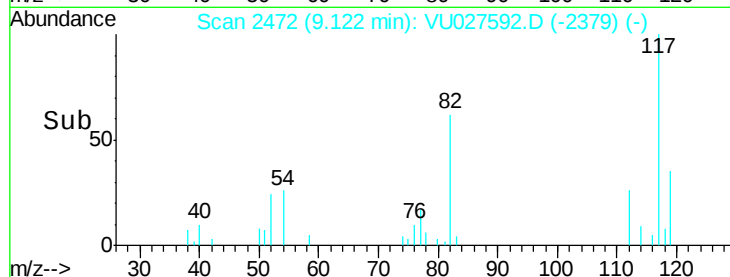
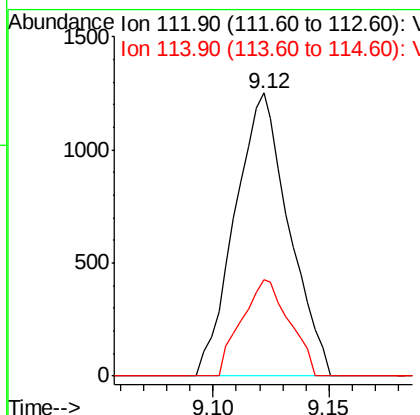
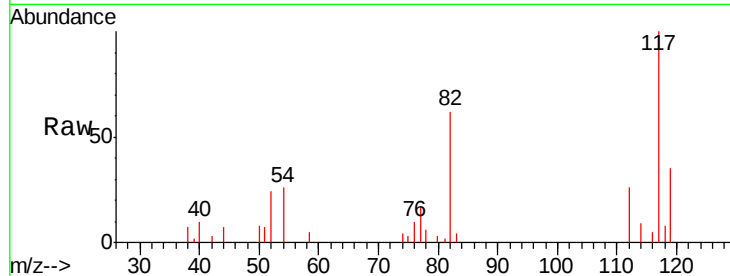
#65
Chlorobenzene
Concen: 0.55 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion:112 Resp: 2024
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.6

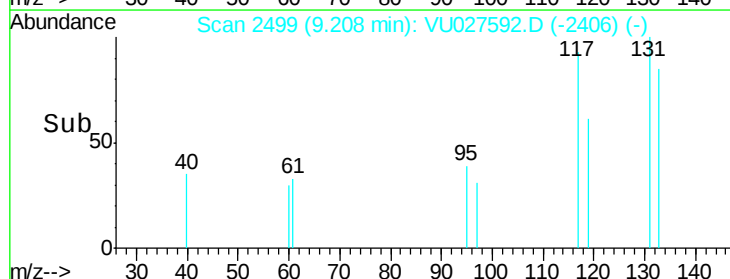
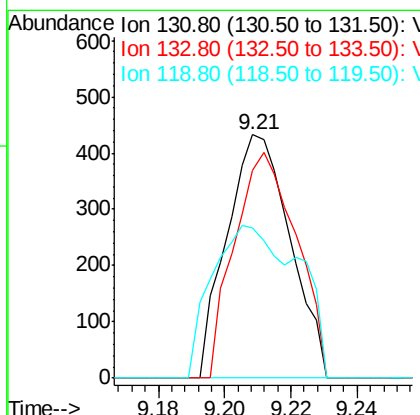
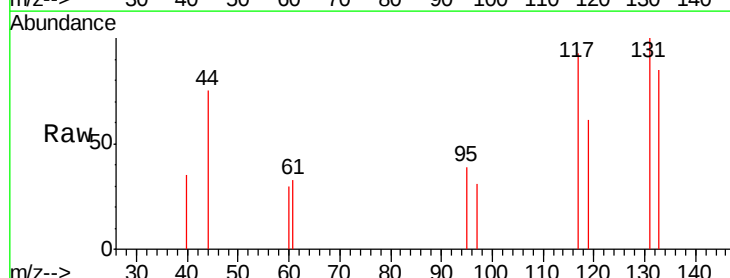
Manual Integrations
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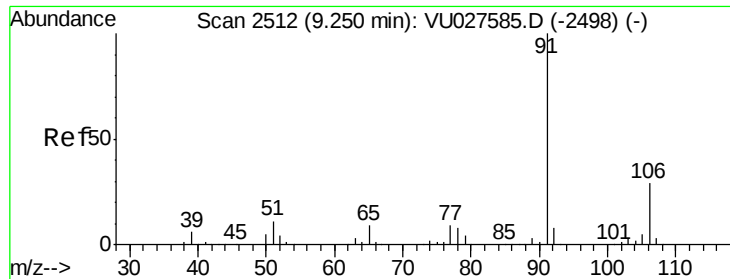
MMDadoda
10/16/2018 2:22:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.46 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion:131 Resp: 574
Ion Ratio Lower Upper
131 100
133 90.6 48.5 145.6
119 0.0 33.5 100.4#





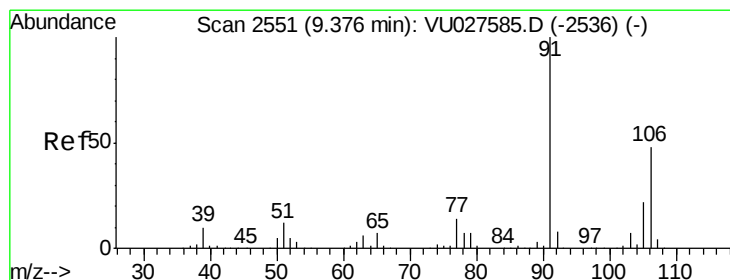
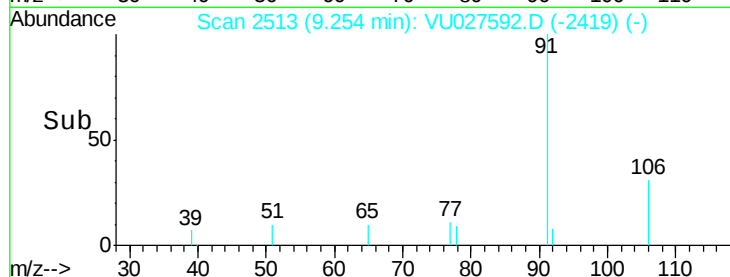
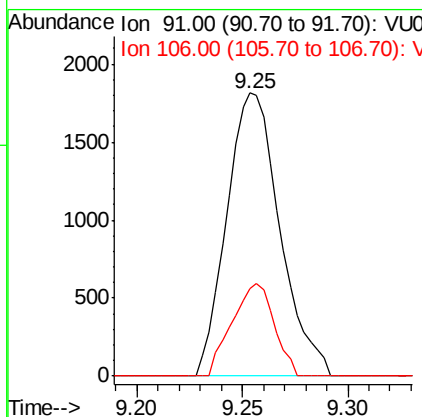
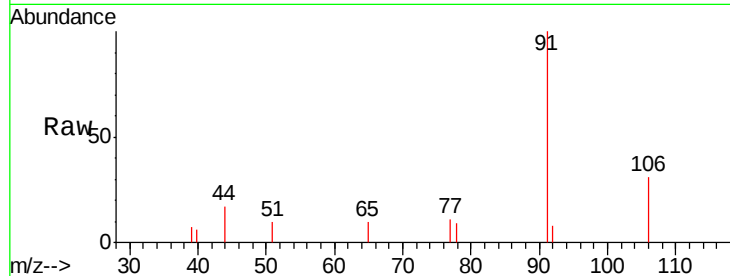
#67
Ethyl Benzene
Concen: 0.51 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 91 Resp: 3172
Ion Ratio Lower Upper
91 100
106 30.9 23.6 35.4

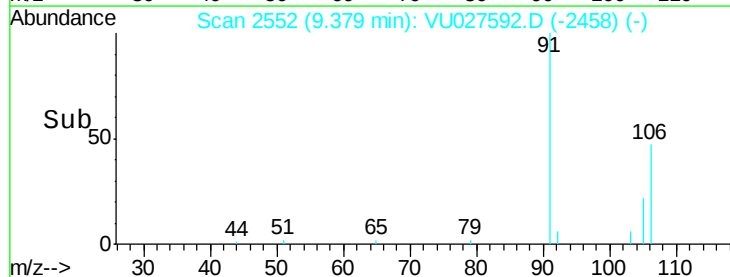
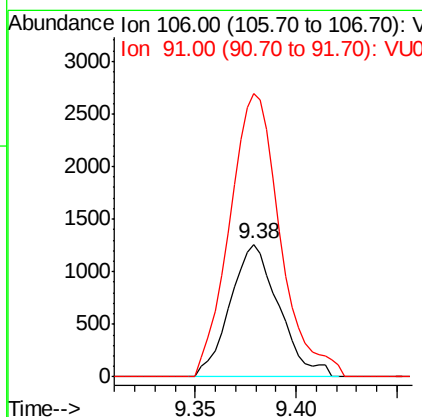
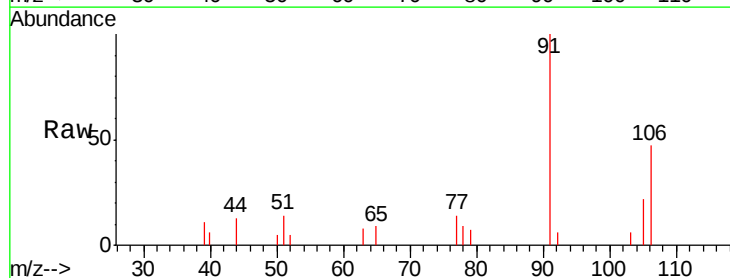
Manual Integrations
APPROVED

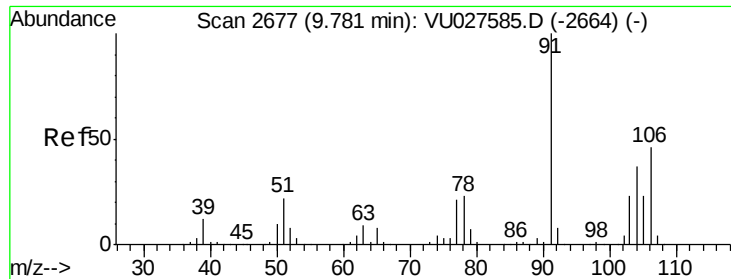
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#68
m/p-Xylenes
Concen: 0.93 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 106 Resp: 2134
Ion Ratio Lower Upper
106 100
91 221.1 168.1 252.1





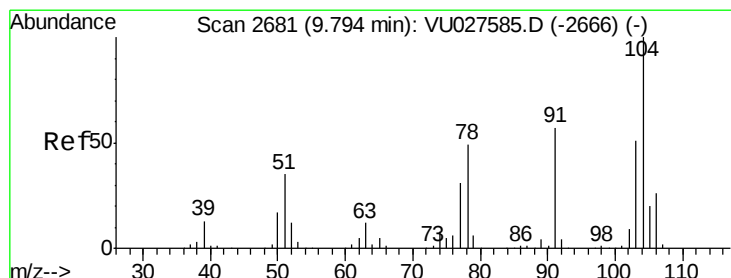
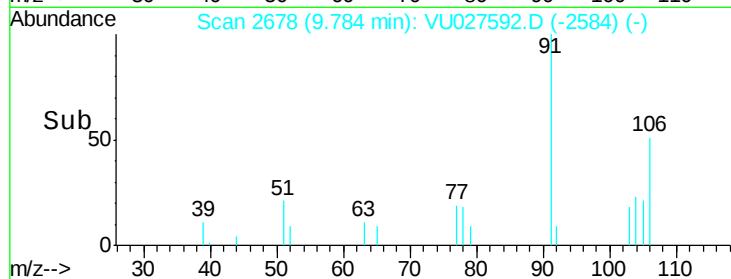
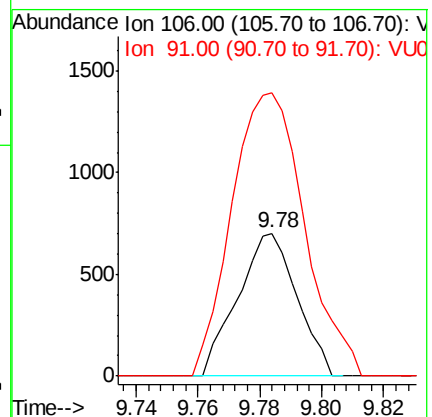
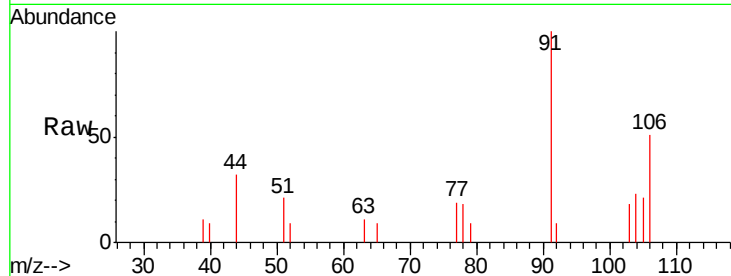
#69
o-Xylene
Concen: 0.42 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion:106 Resp: 937
Ion Ratio Lower Upper
106 100
91 242.8 111.7 334.9

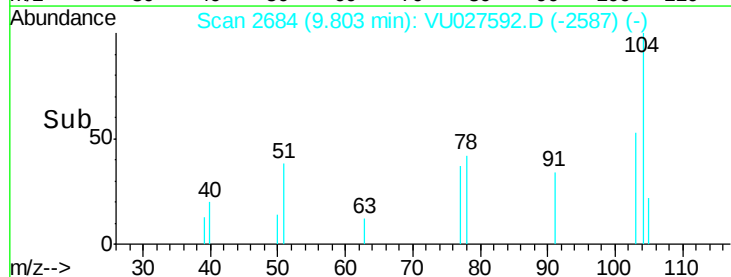
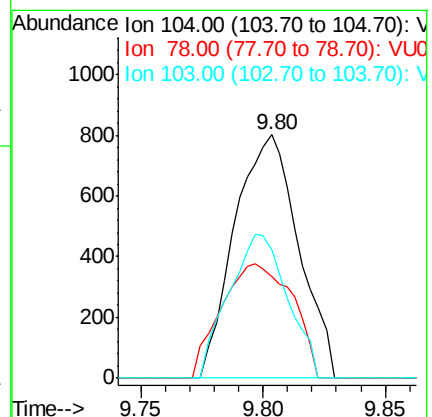
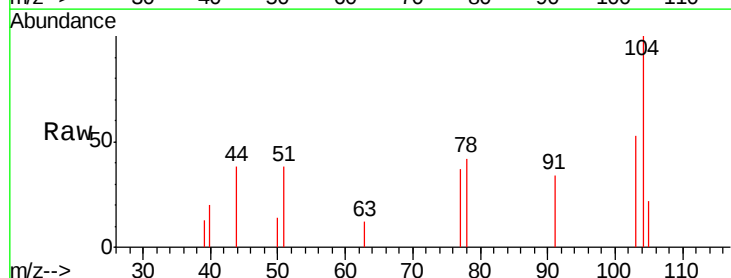
Manual Integrations
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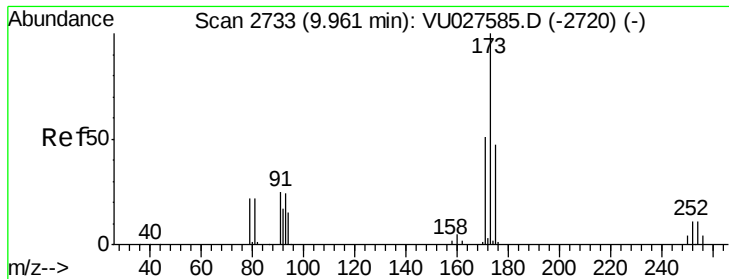
MMDadoda
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#70
Styrene
Concen: 1.60 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion:104 Resp: 1453
Ion Ratio Lower Upper
104 100
78 52.6 42.9 64.3
103 54.5 43.9 65.9





#71

Bromoform

Concen: 0.39 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

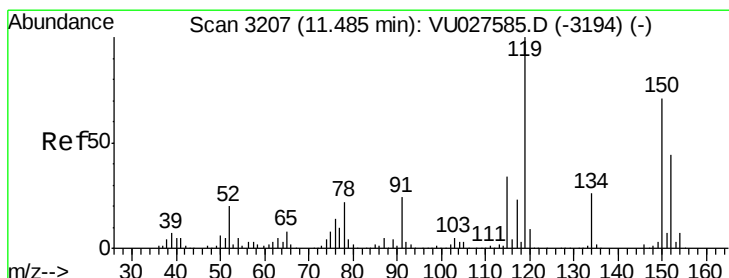
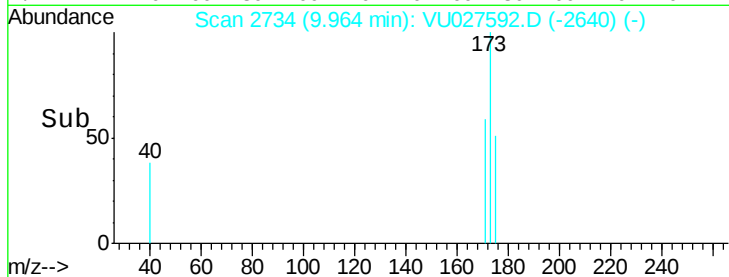
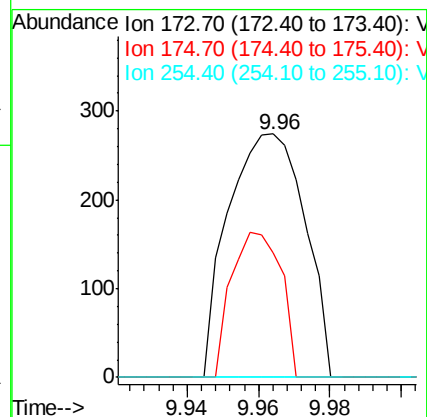
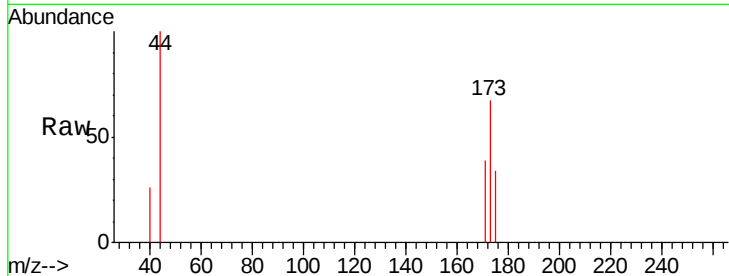
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	173	Resp:	406
Ion Ratio	Lower	Upper	
173	100		
175	38.7	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

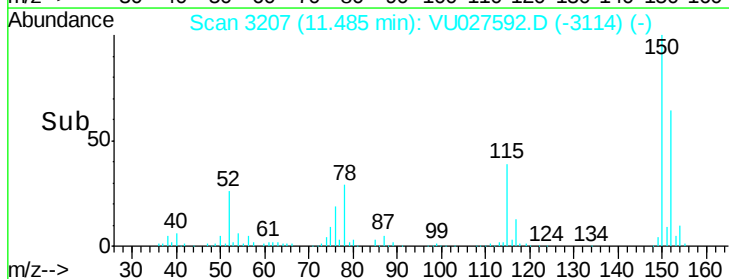
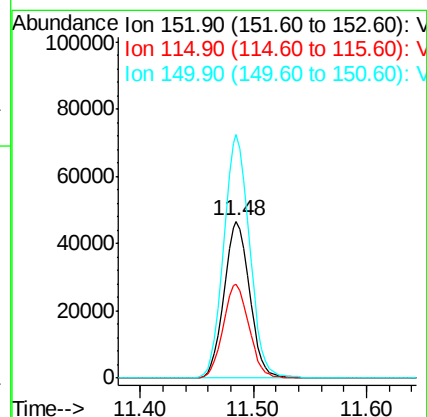
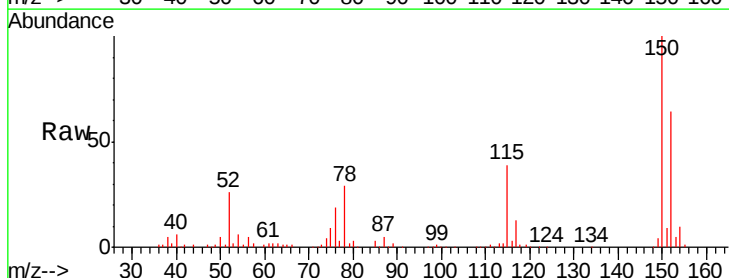
RT: 11.48 min Scan# 3207

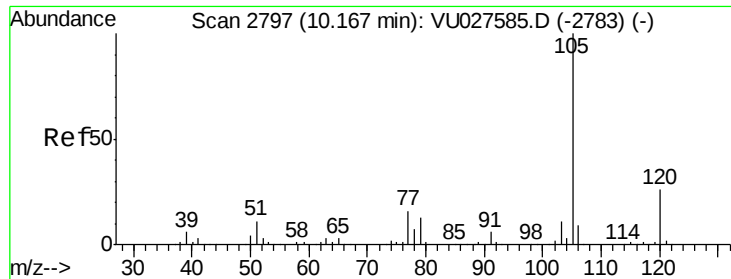
Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	152	Resp:	73567
Ion Ratio	Lower	Upper	
152	100		
115	60.6	43.4	130.2
150	156.8	0.0	349.2





#73

Isopropylbenzene

Concen: 0.53 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 105 Resp: 2637

Ion Ratio Lower Upper

105 100

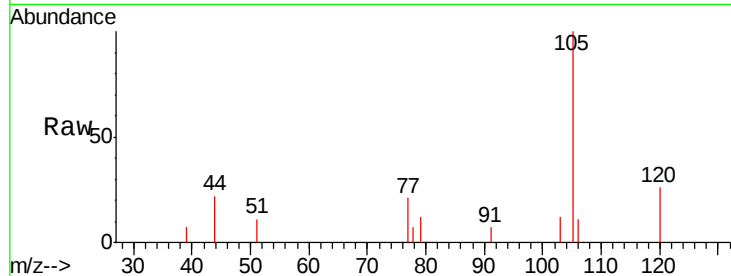
120 22.3 12.6 37.8

Manual Integrations

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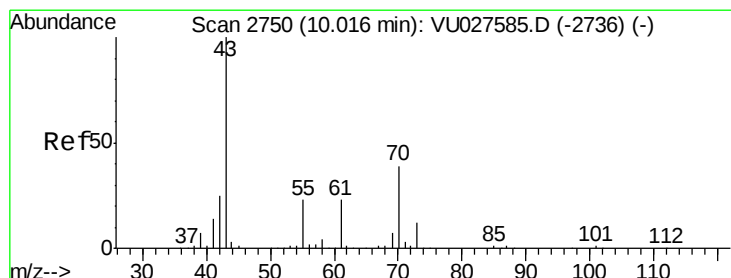
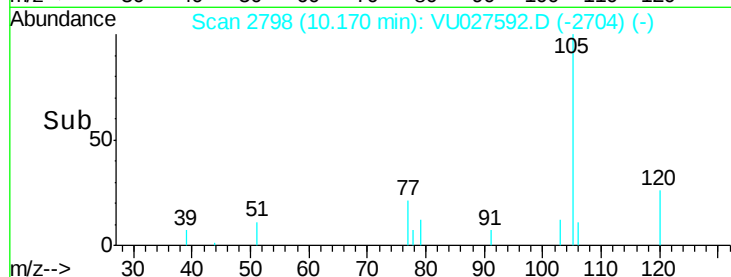
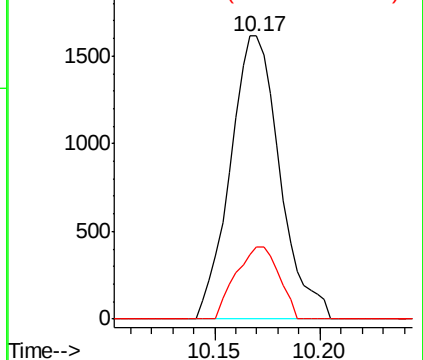
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.43 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion: 43 Resp: 1245

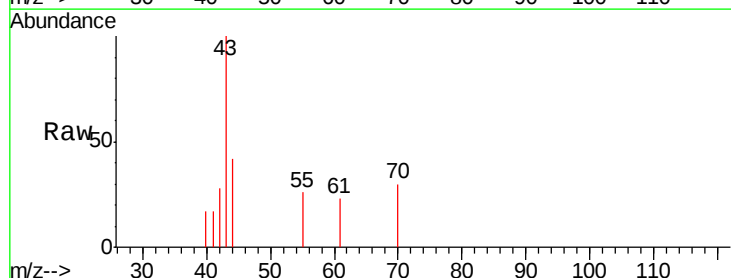
Ion Ratio Lower Upper

43 100

70 32.4 31.3 46.9

55 18.2 19.0 28.6#

61 9.9 18.5 27.7#

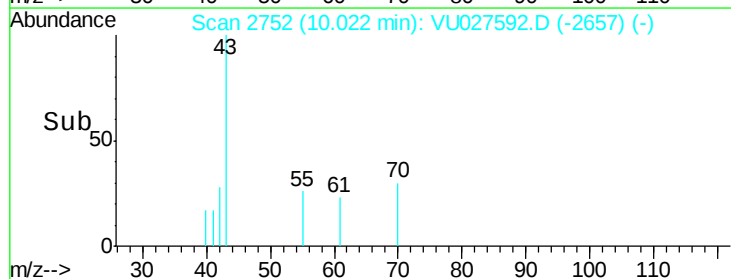
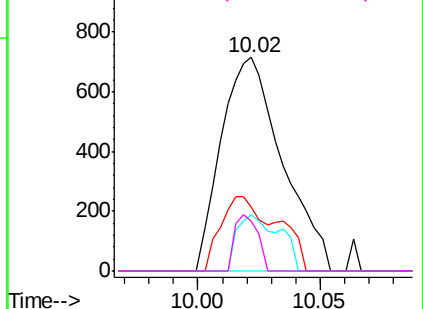


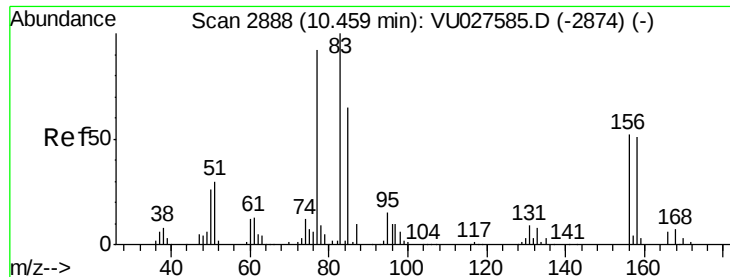
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.56 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

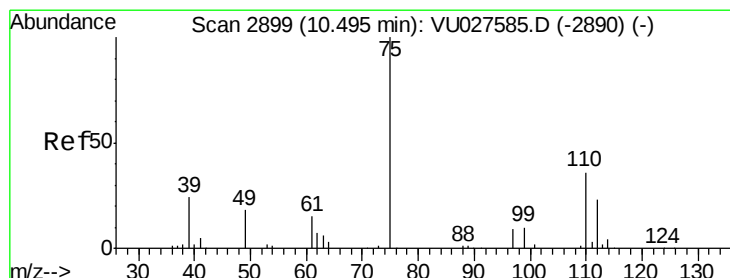
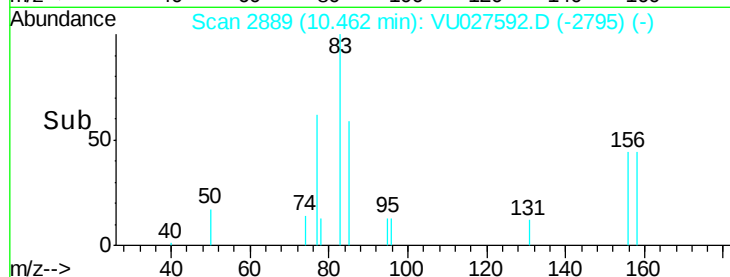
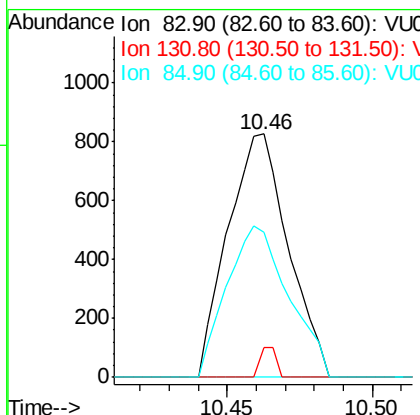
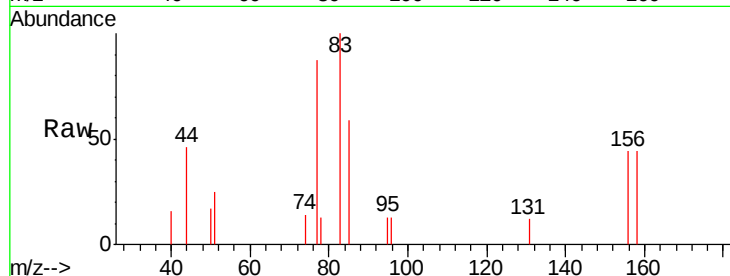
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 83 Resp: 1193

Ion	Ratio	Lower	Upper
83	100		
131	3.3	4.4	13.2#
85	63.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 0.75 ug/l

RT: 10.50 min Scan# 2900

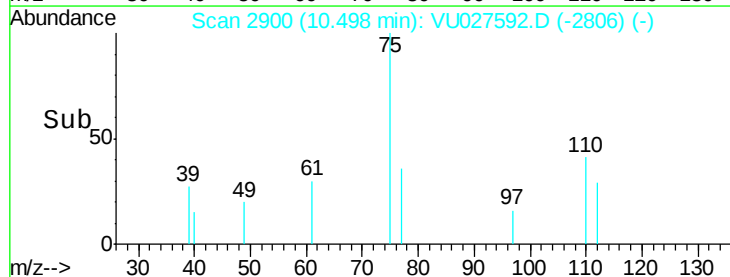
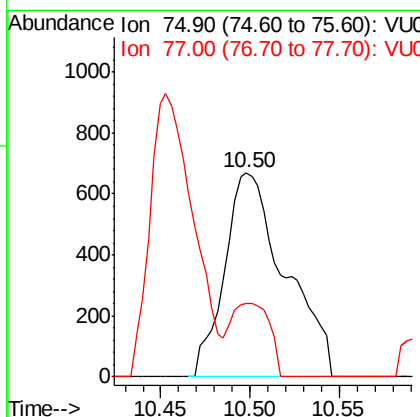
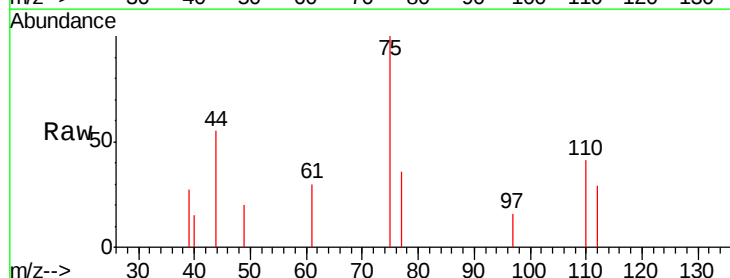
Delta R.T. 0.00 min

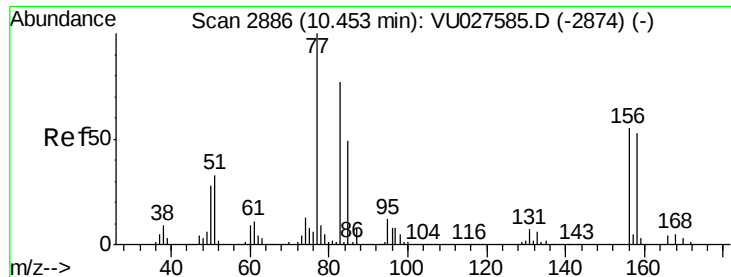
Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion: 75 Resp: 1585

Ion	Ratio	Lower	Upper
75	100		
77	22.7	20.3	60.9





#77

Bromobenzene

Concen: 0.54 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

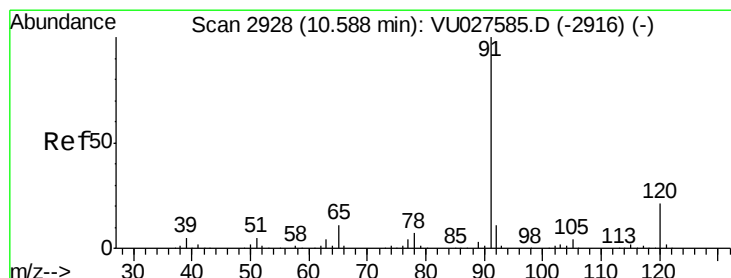
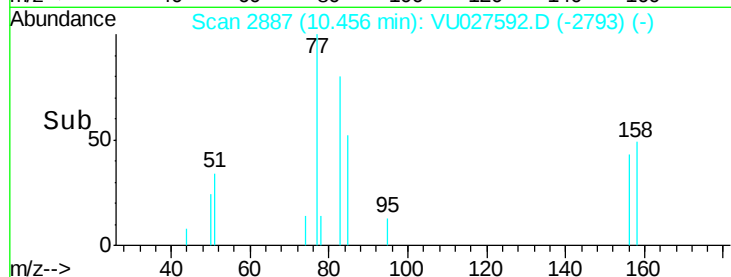
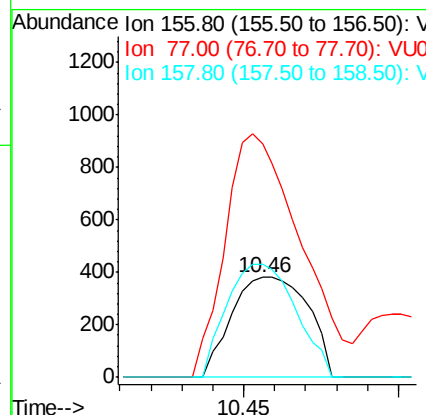
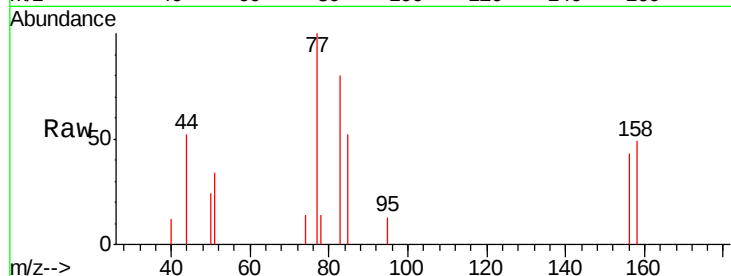
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	156	Resp:	654
Ion	Ratio	Lower	Upper
156	100		
77	241.0	94.8	284.4
158	102.6	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 0.57 ug/l

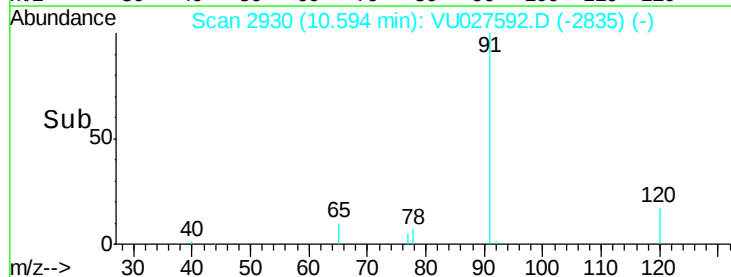
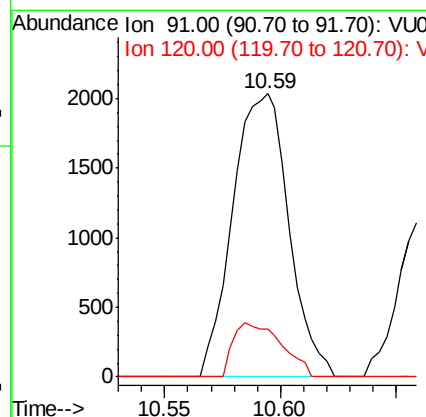
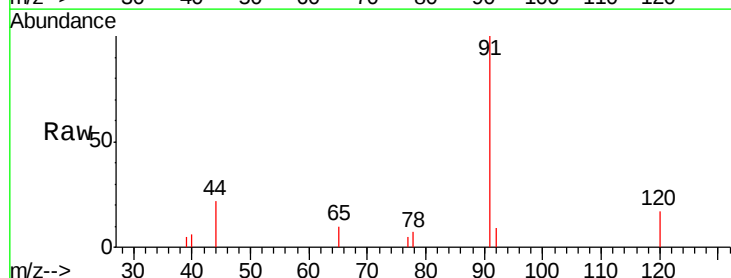
RT: 10.59 min Scan# 2930

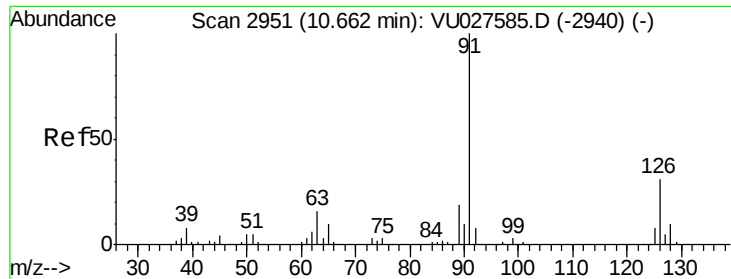
Delta R.T. 0.01 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	91	Resp:	3415
Ion	Ratio	Lower	Upper
91	100		
120	16.4	10.6	31.8





#79

2-Chlorotoluene

Concen: 0.57 ug/l

RT: 10.67 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2086

Ion Ratio Lower Upper

91 100

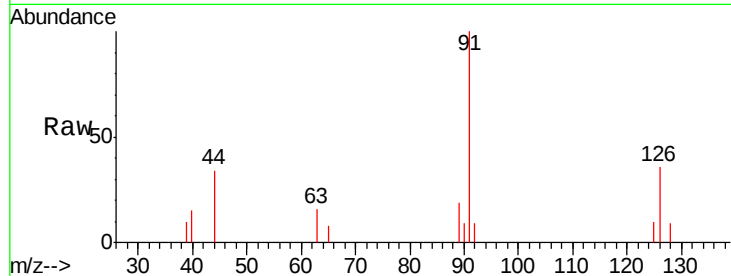
126 34.3 15.7 47.1

Manual Integrations

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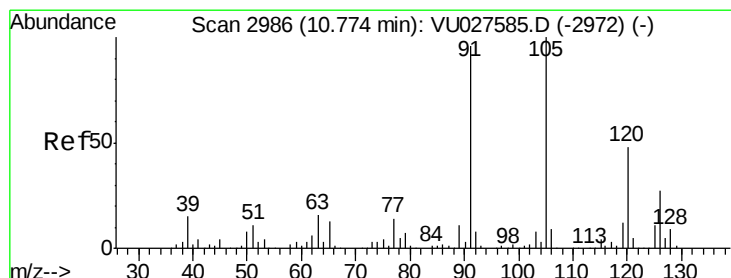
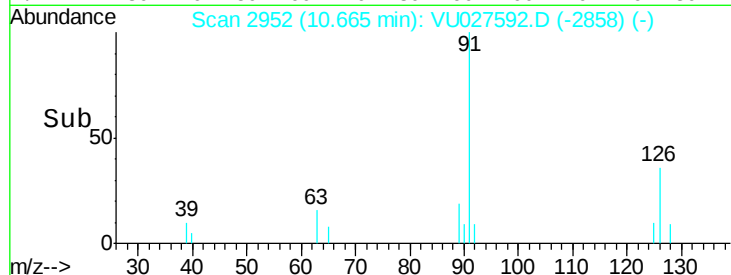
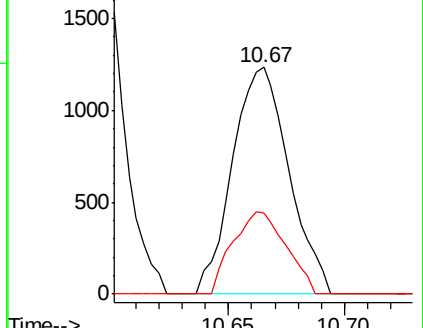
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Abundance Ion 91.00 (90.70 to 91.70): VU027585.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027585.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027592.D

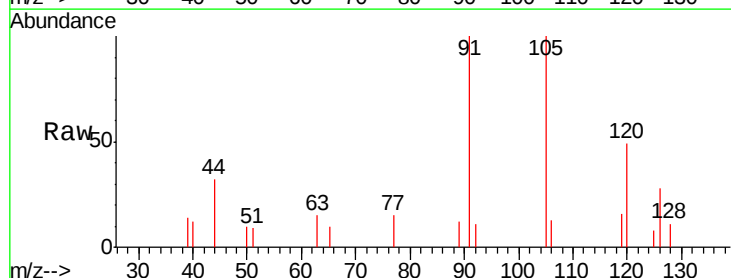
Acq: 11 Oct 2018 12:37

Tgt Ion: 105 Resp: 1952

Ion Ratio Lower Upper

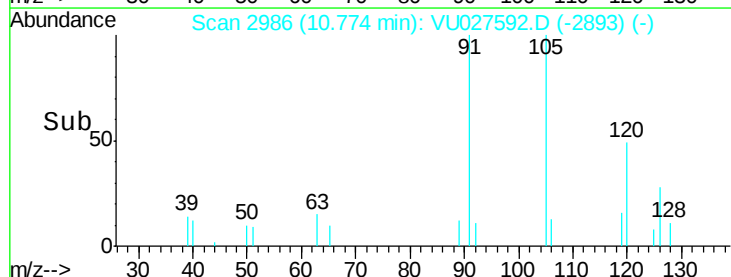
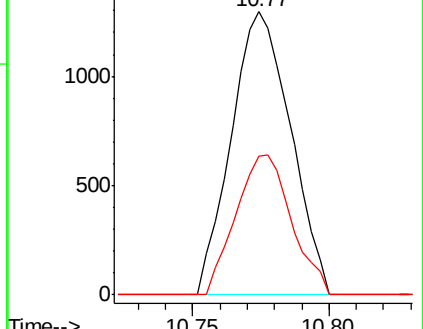
105 100

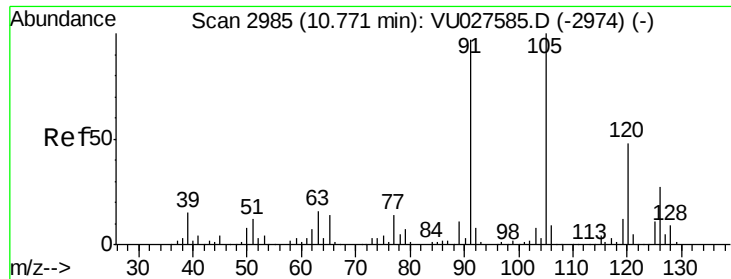
120 46.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027585.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027585.D (-2972) (-)





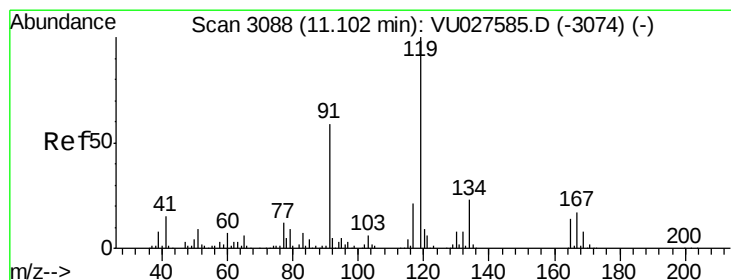
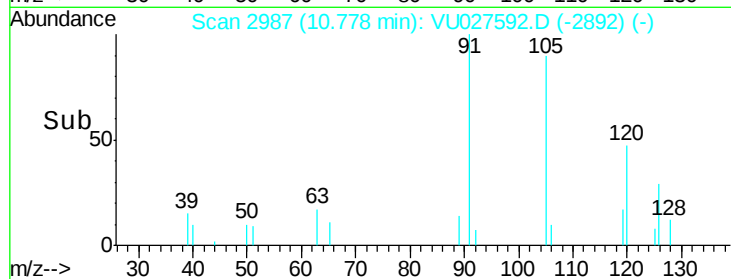
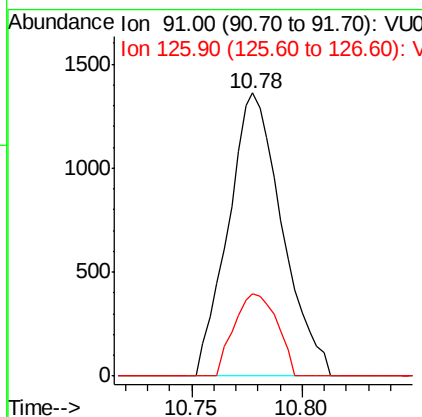
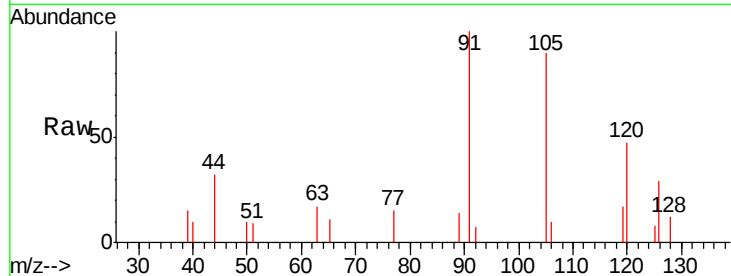
#82
4-Chlorotoluene
Concen: 0.56 ug/l
RT: 10.78 min Scan# 2987
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion: 91 Resp: 2307
Ion Ratio Lower Upper
91 100
126 23.2 13.6 40.8

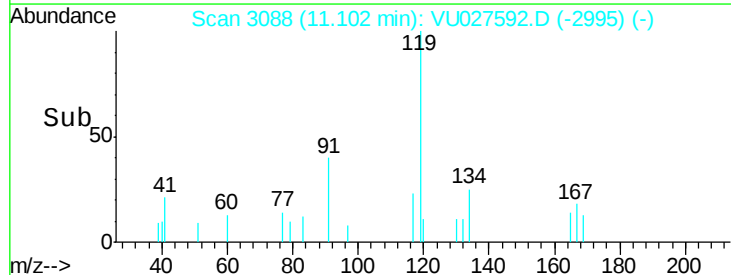
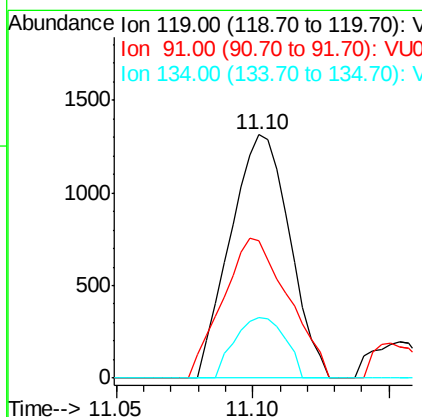
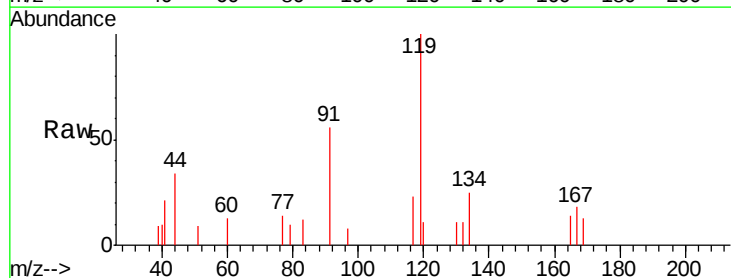
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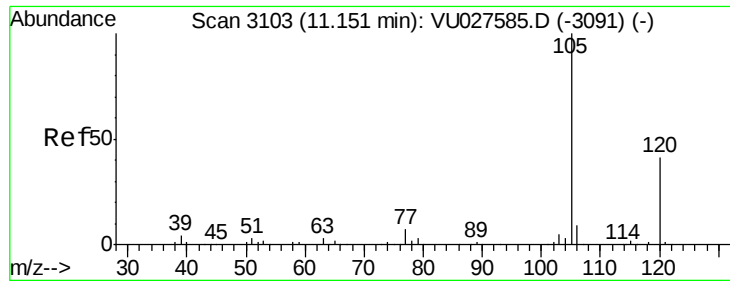
MMDadoda
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#83
tert-Butylbenzene
Concen: 0.49 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion: 119 Resp: 1978
Ion Ratio Lower Upper
119 100
91 63.8 30.3 91.0
134 21.2 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 0.47 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:105 Resp: 2150

Ion Ratio Lower Upper

105 100

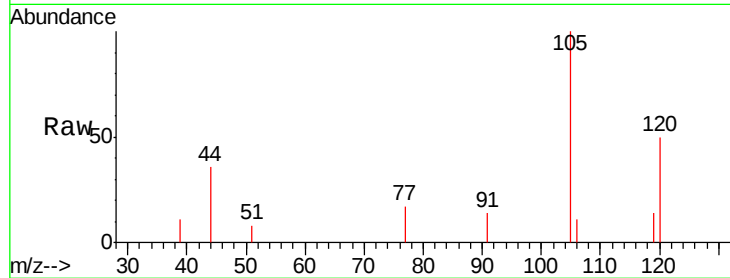
120 42.8 22.1 66.5

Manual Integrations

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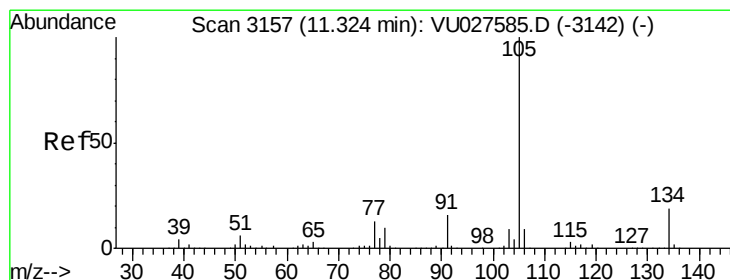
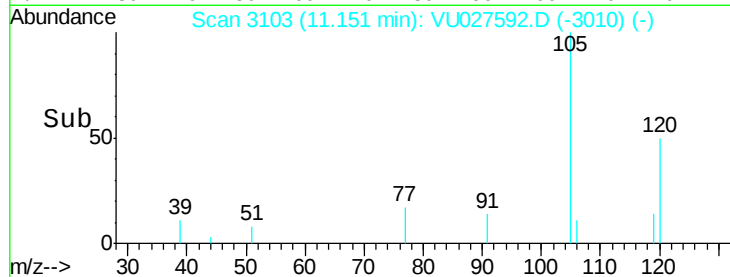
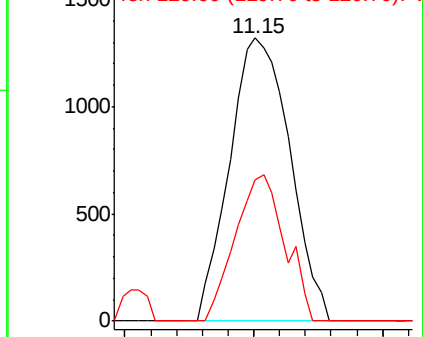
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.71 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU027592.D

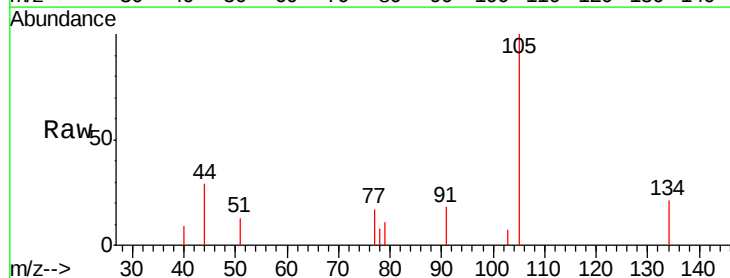
Acq: 11 Oct 2018 12:37

Tgt Ion:105 Resp: 2230

Ion Ratio Lower Upper

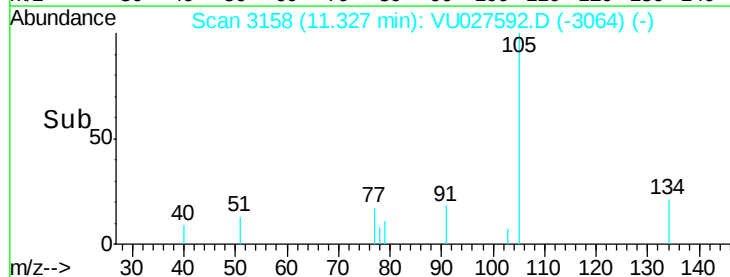
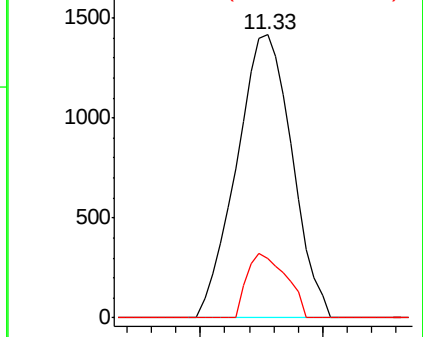
105 100

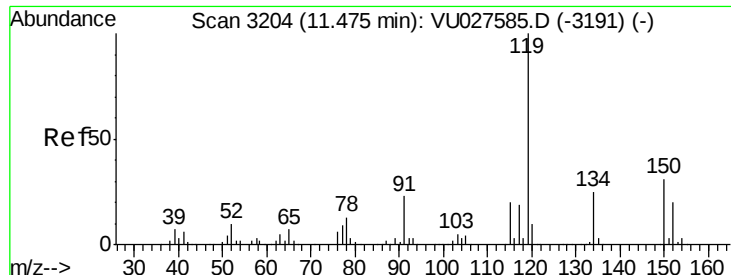
134 16.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





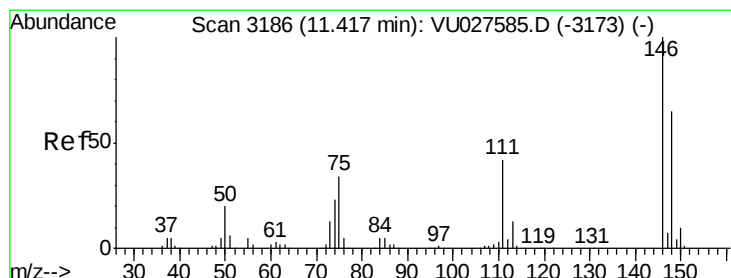
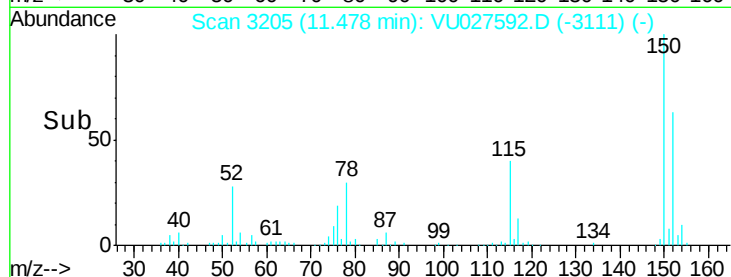
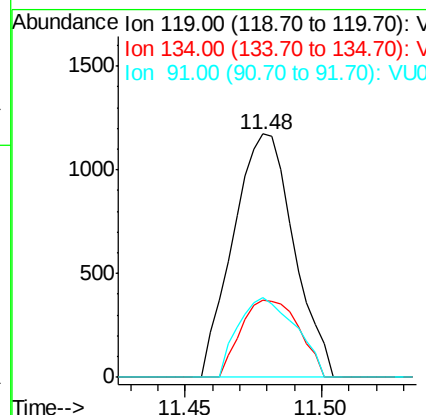
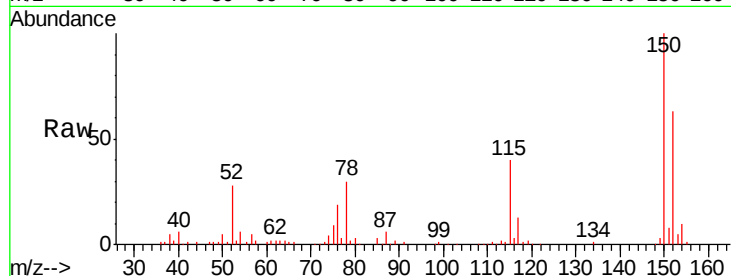
#86
p-Isopropyltoluene
Concen: 0.86 ug/l
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	30.4	12.7	38.1
91	31.3	12.2	36.4

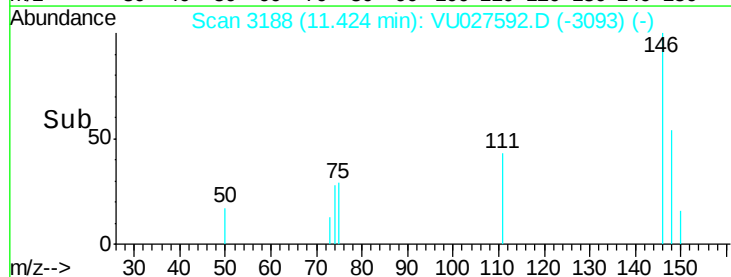
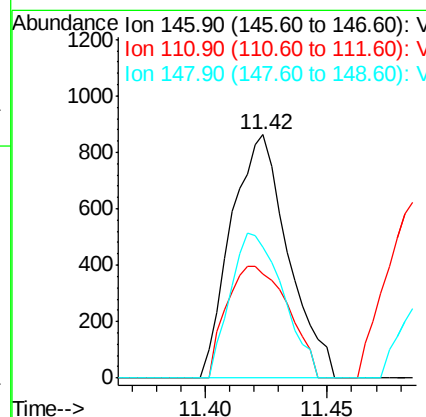
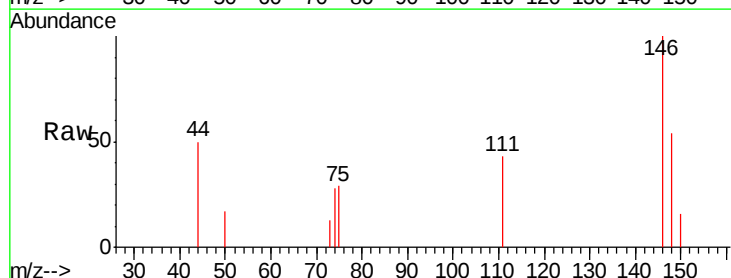
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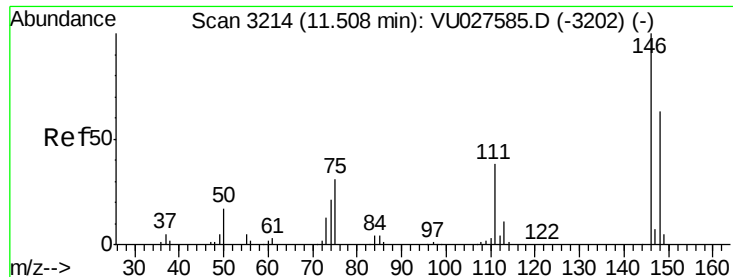
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#87
1,3-Dichlorobenzene
Concen: 0.62 ug/l
RT: 11.42 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.8	62.5
148	55.0	31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 0.63 ug/l m

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Instrument :

MSVOA_U

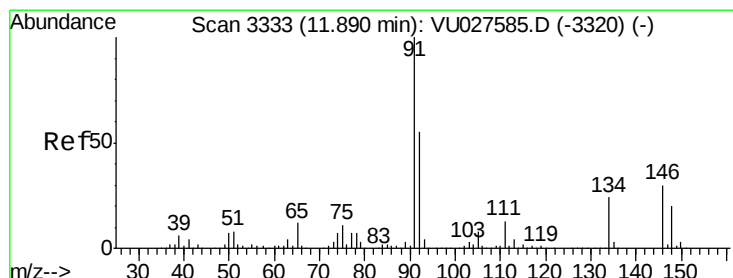
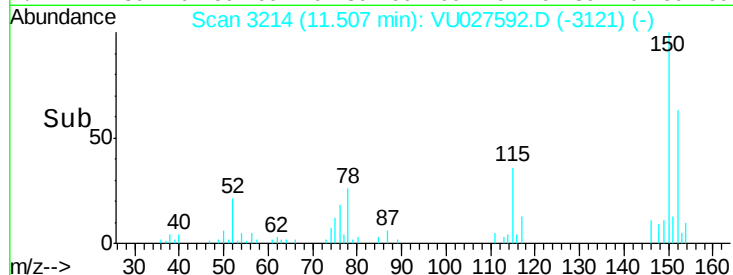
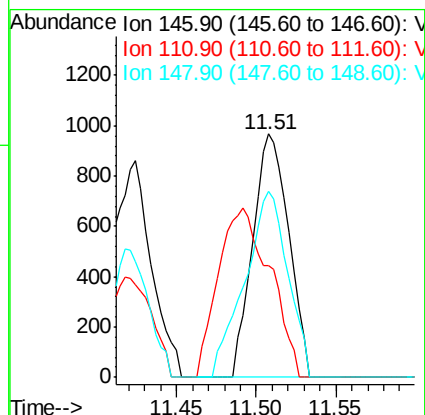
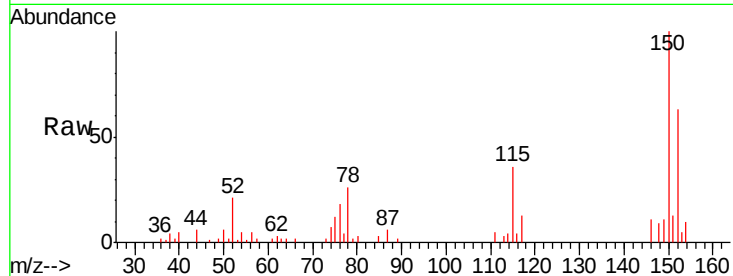
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	146	Resp:	1512
Ion	Ratio	Lower	Upper
146	100		
111	46.1	20.4	61.2
148	50.9	31.9	95.5

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#89

n-Butylbenzene

Concen: 1.89 ug/l

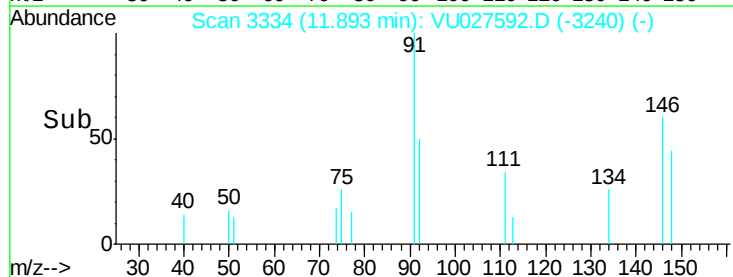
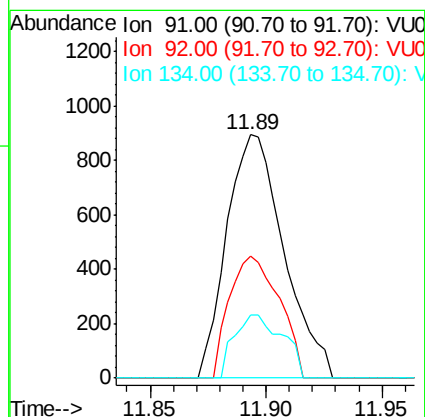
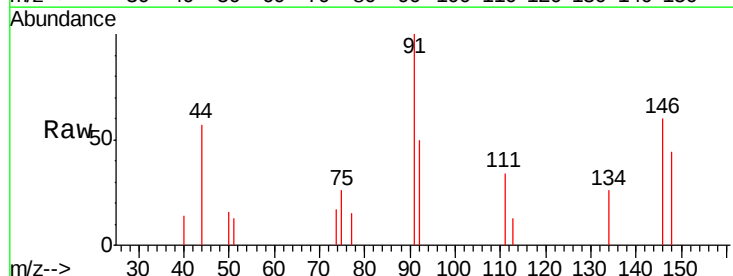
RT: 11.89 min Scan# 3334

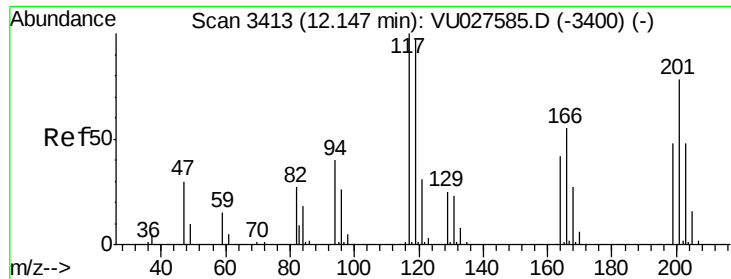
Delta R.T. 0.00 min

Lab File: VU027592.D

Acq: 11 Oct 2018 12:37

Tgt Ion:	91	Resp:	1532
Ion	Ratio	Lower	Upper
91	100		
92	43.7	27.0	81.0
134	21.9	11.7	35.1





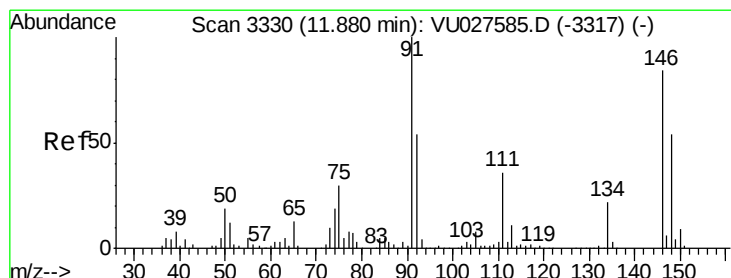
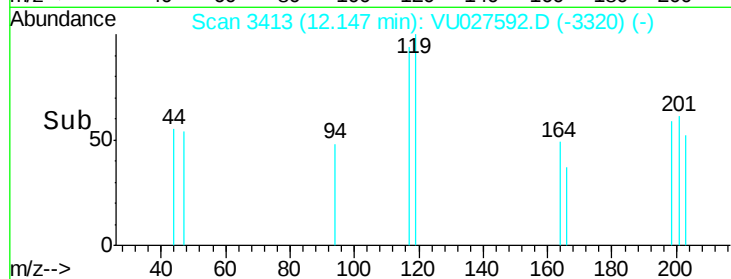
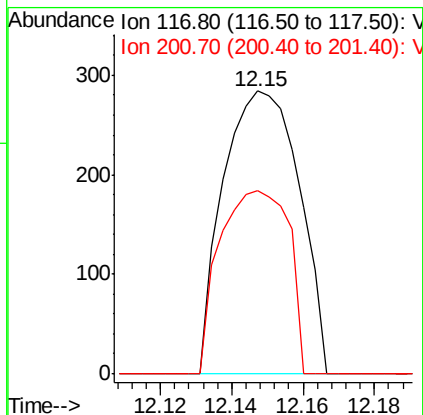
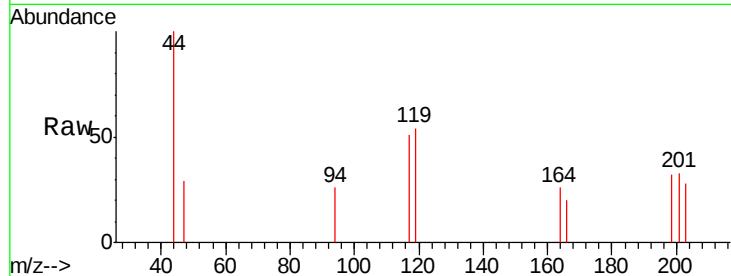
#90
Hexachloroethane
Concen: 0.51 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion:117 Resp: 416
Ion Ratio Lower Upper
117 100
201 59.1 37.9 113.6

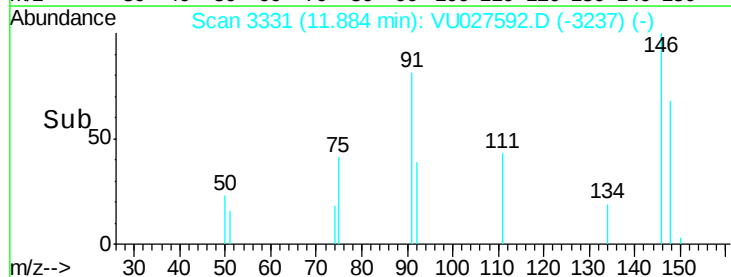
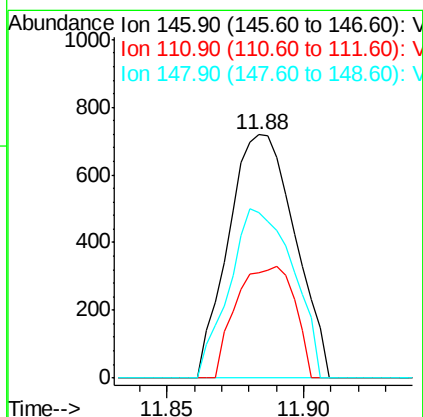
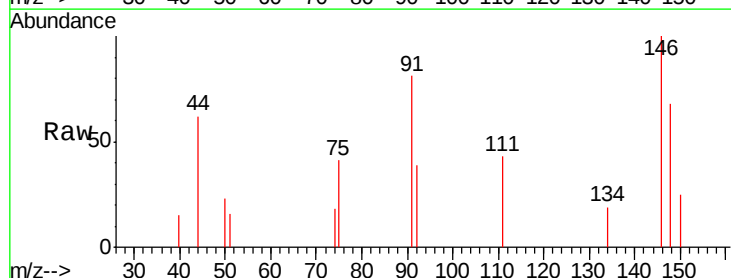
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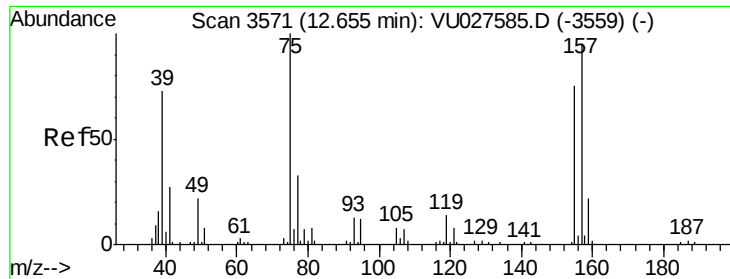
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#91
1,2-Dichlorobenzene
Concen: 0.53 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion:146 Resp: 1215
Ion Ratio Lower Upper
146 100
111 40.4 21.8 65.4
148 66.9 31.9 95.5





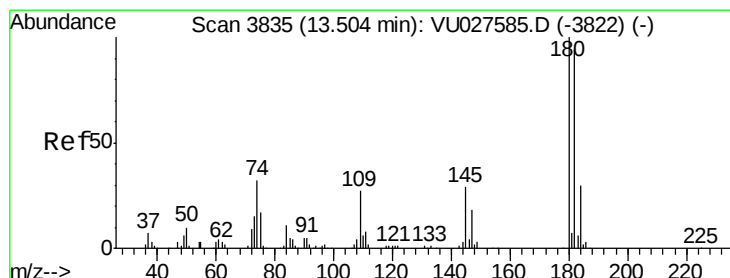
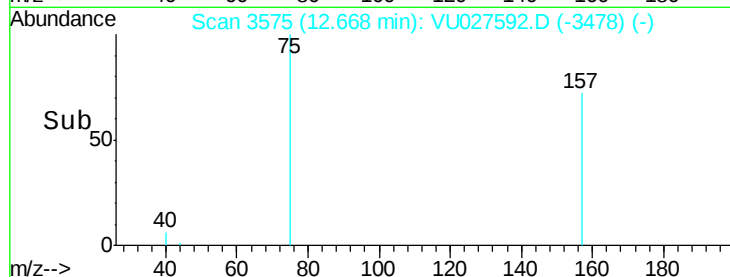
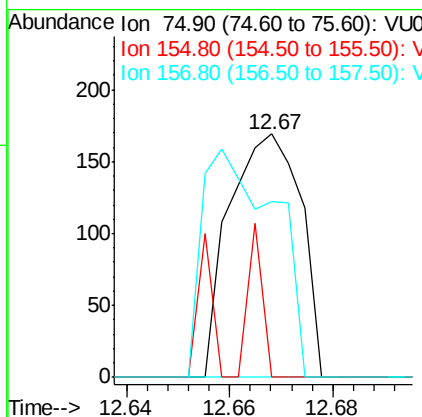
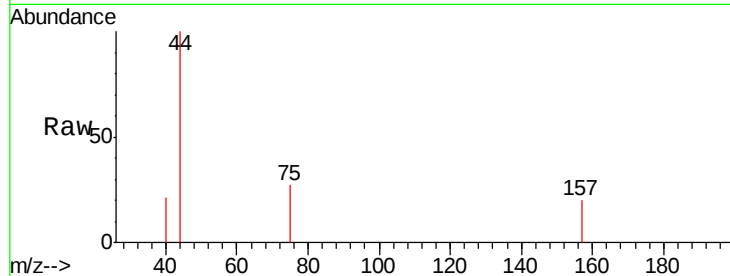
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 12.67 min Scan# 3575
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

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

Tgt Ion: 75 Resp: 162
 Ion Ratio Lower Upper
 75 100
 155 13.0 35.9 107.8#
 157 0.0 46.9 140.6#

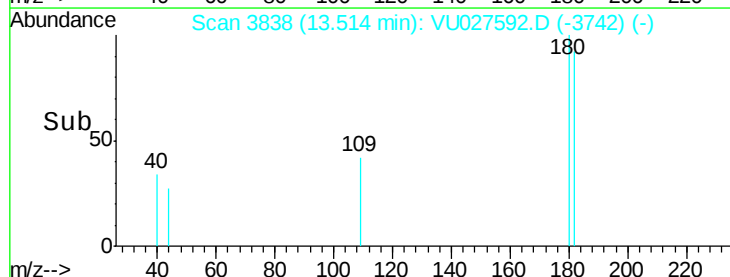
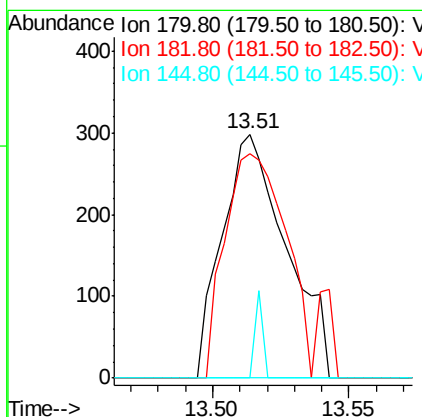
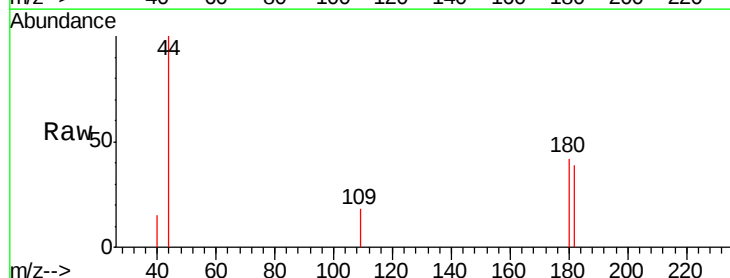
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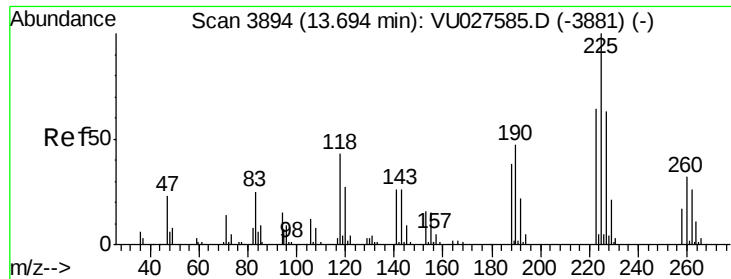
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.94 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU027592.D
 Acq: 11 Oct 2018 12:37

Tgt Ion: 180 Resp: 487
 Ion Ratio Lower Upper
 180 100
 182 87.7 47.4 142.3
 145 4.3 14.6 44.0#





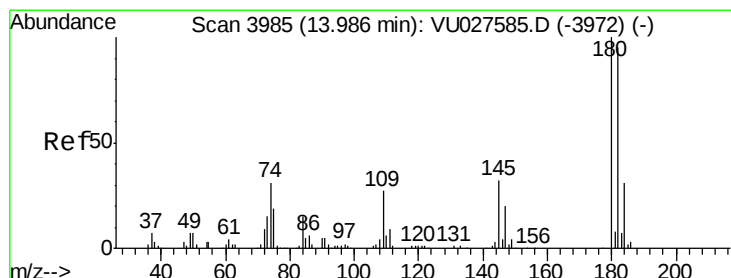
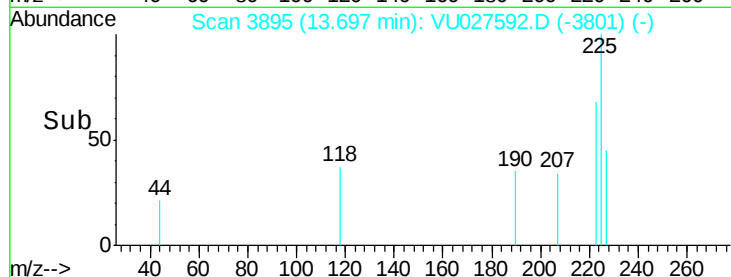
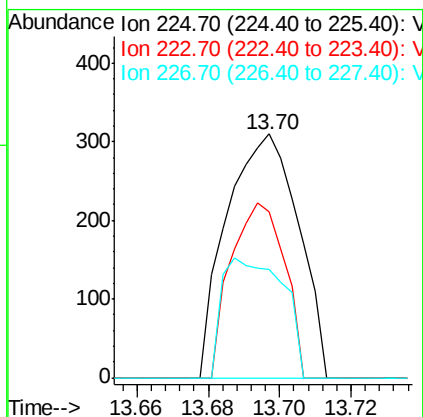
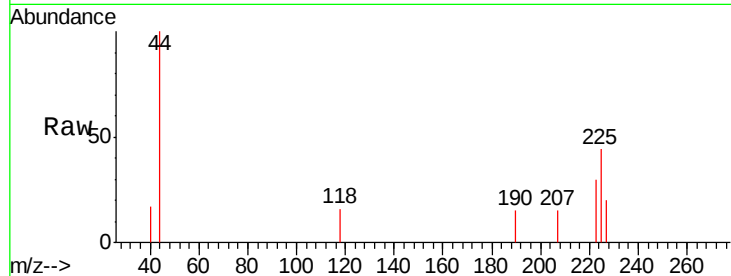
#94
Hexachlorobutadiene
Concen: 0.59 ug/l
RT: 13.70 min Scan# 3895
Delta R.T. 0.00 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

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

Tgt Ion	Ratio	Lower	Upper
225	100		
223	53.5	31.8	95.3
227	41.9	31.9	95.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.33 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027592.D
Acq: 11 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	58.7	47.4	142.2
145	18.3	15.9	47.7

