

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027603.D
 Acq On : 11 Oct 2018 16:54
 Operator : MD/SY
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:44 PM

Quant Time: Oct 12 16:36:33 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	112521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196711	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	92119	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	66483	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	7.57	98	241133	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	80487	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	2708	2.21	ug/l	96
3) Chloromethane	1.33	50	4256	2.22	ug/l	99
4) Vinyl Chloride	1.40	62	4158	2.31	ug/l	99
5) Bromomethane	1.62	94	2265	2.32	ug/l	92
6) Chloroethane	1.70	64	2282	0.97	ug/l	91
7) Trichlorofluoromethane	1.88	101	4498	2.23	ug/l	93
8) Diethyl Ether	2.11	74	1960	2.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2762	2.35	ug/l	97
12) 1,1-Dichloroethene	2.28	96	2665	2.31	ug/l	94
14) Allyl chloride	2.59	41	5710	2.04	ug/l	96
15) Acrylonitrile	2.94	53	10673	10.58	ug/l	97
16) Acetone	2.32	43	11653	10.97	ug/l	99
17) Carbon Disulfide	2.48	76	8805	2.22	ug/l	95
18) Methyl Acetate	2.62	43	5997	2.26	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9585	2.16	ug/l	96
20) Methylene Chloride	2.70	84	3379	2.25	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	2662	2.09	ug/l	95
22) Diisopropyl ether	3.58	45	11260	2.10	ug/l #	89
23) Vinyl Acetate	3.53	43	45724	10.07	ug/l	98
24) 1,1-Dichloroethane	3.45	63	5970	2.10	ug/l	98
25) 2-Butanone	4.28	43	15149	10.07	ug/l	94
26) 2,2-Dichloropropane	4.24	77	4534	1.99	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	3091	2.18	ug/l	95
28) Bromochloromethane	4.56	49	2881	2.06	ug/l #	96
29) Tetrahydrofuran	4.65	42	10167	10.77	ug/l	94
30) Chloroform	4.68	83	5630	2.23	ug/l	92
31) Cyclohexane	4.99	56	7845	1.69	ug/l #	59
32) 1,1,1-Trichloroethane	4.92	97	4789	2.25	ug/l	91
36) 1,1-Dichloropropene	5.14	75	4214	2.11	ug/l	94
37) Ethyl Acetate	4.39	43	5548	1.91	ug/l #	74
38) Carbon Tetrachloride	5.13	117	4000	2.17	ug/l	97
39) Methylcyclohexane	6.42	83	4290	1.90	ug/l #	88
40) Benzene	5.39	78	12588	2.08	ug/l	96
41) Methacrylonitrile	4.56	41	2742	2.30	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	4601	2.06	ug/l	99
43) Isopropyl Acetate	5.56	43	8025	1.93	ug/l #	95
44) Trichloroethene	6.19	130	2769	2.08	ug/l	100
45) 1,2-Dichloropropane	6.44	63	3628	2.11	ug/l	100
46) Dibromomethane	6.56	93	2010	1.99	ug/l	94
47) Bromodichloromethane	6.76	83	4178	2.05	ug/l	94
48) Methyl methacrylate	6.63	41	4115	3.24	ug/l	91
49) 1,4-Dioxane	6.62	88	1552	39.10	ug/l	94
51) 4-Methyl-2-Pentanone	7.47	43	26815	9.61	ug/l	98
52) Toluene	7.64	92	7313	2.12	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	4255	1.84	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	4715	1.87	ug/l	90
55) 1,1,2-Trichloroethane	8.07	97	2783	1.95	ug/l	96
56) Ethyl methacrylate	8.03	69	4255	3.72	ug/l	93
57) 1,3-Dichloropropane	8.25	76	5631	2.08	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	11382	13.17	ug/l	99
59) 2-Hexanone	8.37	43	20209	9.29	ug/l	94
60) Dibromochloromethane	8.48	129	2698	1.89	ug/l	98
61) 1,2-Dibromoethane	8.59	107	2971	1.98	ug/l	94
64) Tetrachloroethene	8.23	164	2531	2.32	ug/l	93
65) Chlorobenzene	9.12	112	7457	2.05	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	2555	2.05	ug/l	99
67) Ethyl Benzene	9.25	91	12249	1.96	ug/l	96
68) m/p-Xylenes	9.38	106	8370	3.67	ug/l	98
69) o-Xylene	9.78	106	4030	1.82	ug/l	100
70) Styrene	9.80	104	6018	2.69	ug/l	95
71) Bromoform	9.96	173	1899	1.84	ug/l #	96
73) Isopropylbenzene	10.17	105	10584	2.03	ug/l	99
74) N-ethyl acetate	10.02	43	5601	1.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	5161	2.30	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	4345m	1.96	ug/l	
77) Bromobenzene	10.46	156	2817	2.21	ug/l	94
78) n-propylbenzene	10.59	91	12851	2.03	ug/l	99
79) 2-Chlorotoluene	10.66	91	8607	2.22	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	8696	1.68	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.51	75	1961m	1.04	ug/l	
82) 4-Chlorotoluene	10.77	91	9063	2.09	ug/l	97
83) tert-Butylbenzene	11.10	119	8756	2.06	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	8364	1.75	ug/l	98
85) sec-Butylbenzene	11.33	105	9984	2.06	ug/l	96
86) p-Isopropyltoluene	11.48	119	8329	2.17	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	4864	2.05	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	5128m	2.04	ug/l	
89) n-Butylbenzene	11.89	91	6917	3.00	ug/l	96
90) Hexachloroethane	12.15	117	1755	2.04	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	5034	2.11	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1032	2.11	ug/l	95
93) 1,2,4-Trichlorobenzene	13.51	180	2727	3.24	ug/l	92
94) Hexachlorobutadiene	13.69	225	1452	1.89	ug/l	97
95) Naphthalene	13.75	128	8720	2.75	ug/l #	93

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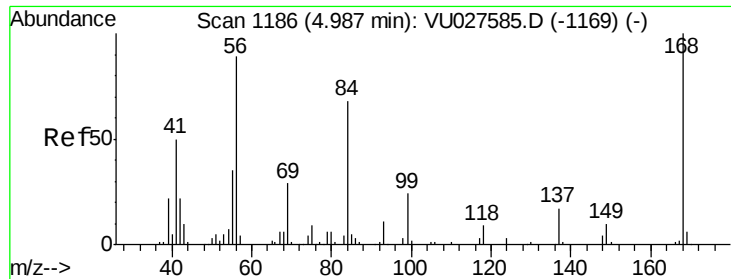
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	2923	1.86	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:168 Resp: 112521

Ion Ratio Lower Upper

168 100

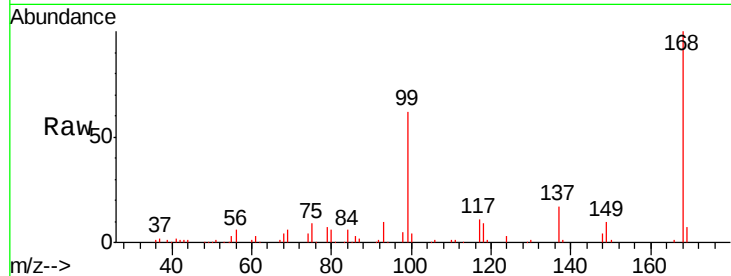
99 61.5 50.8 76.2

Manual Integrations

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

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

4.99

50000

40000

30000

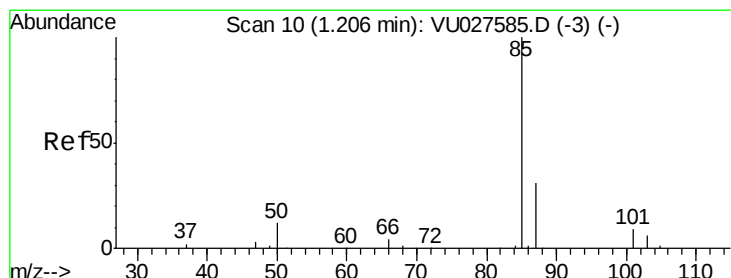
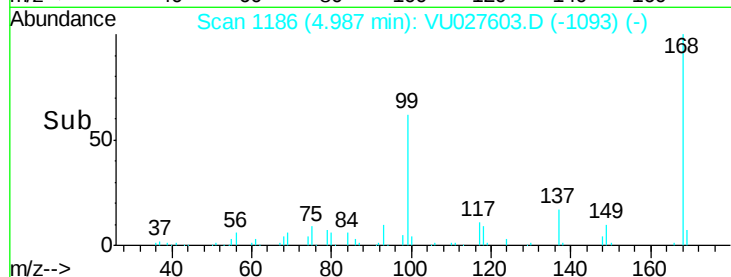
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.21 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027603.D

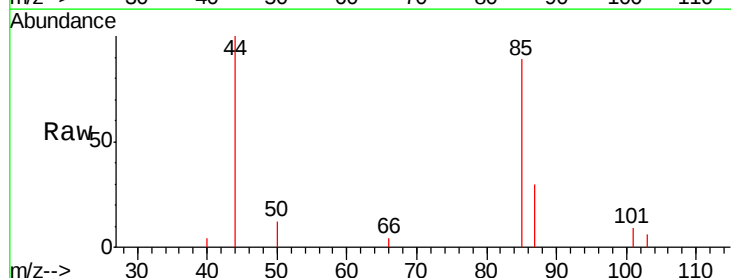
Acq: 11 Oct 2018 16:54

Tgt Ion: 85 Resp: 2708

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.1



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

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

1.21

3000

2500

2000

1500

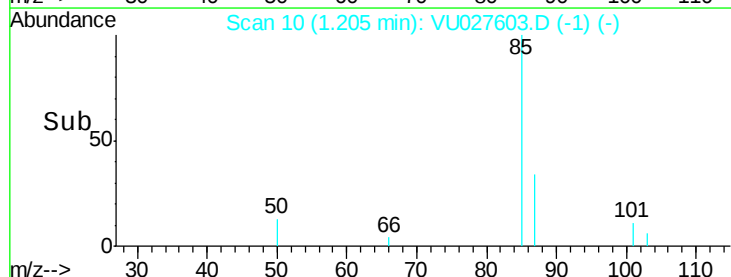
1000

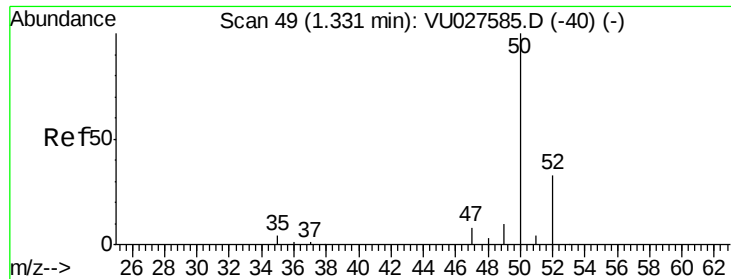
500

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 2.22 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 4256

Ion Ratio Lower Upper

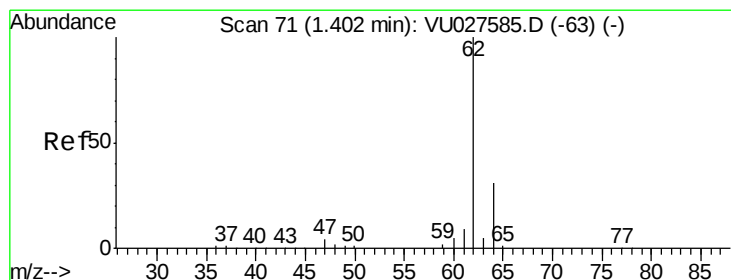
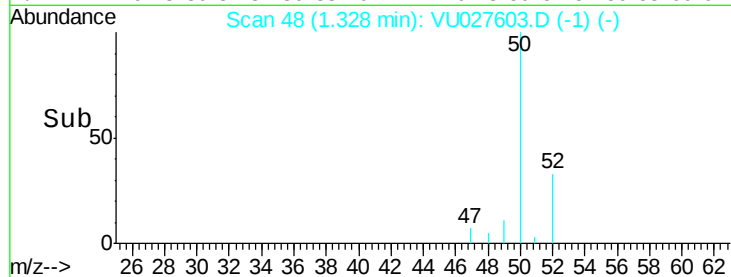
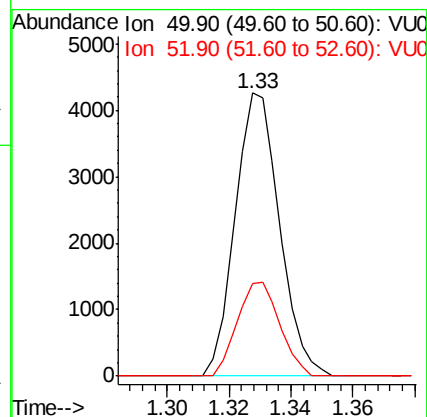
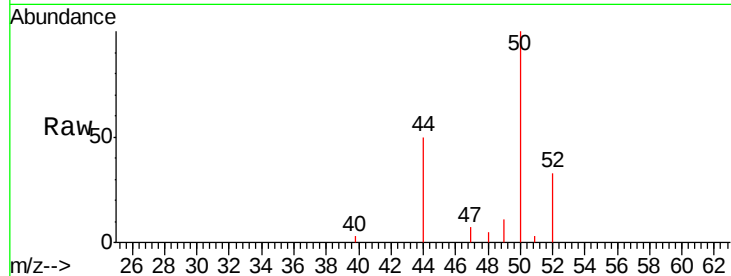
50 100

52 32.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 2.31 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027603.D

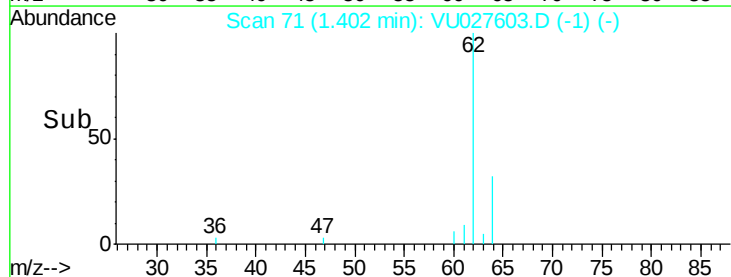
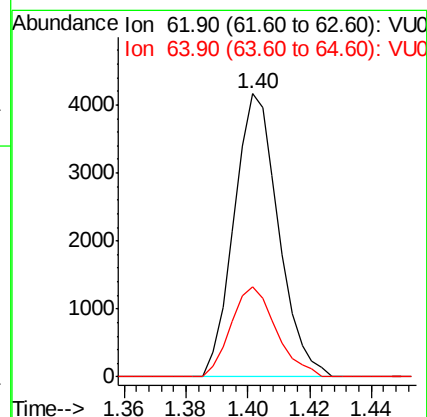
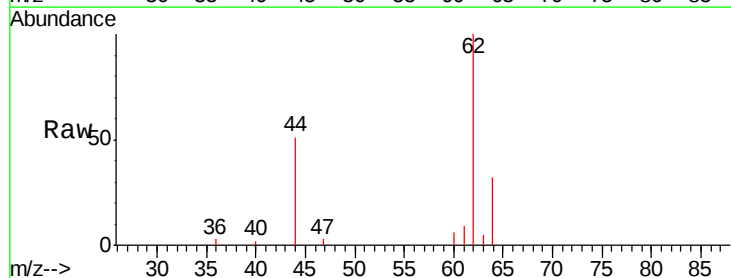
Acq: 11 Oct 2018 16:54

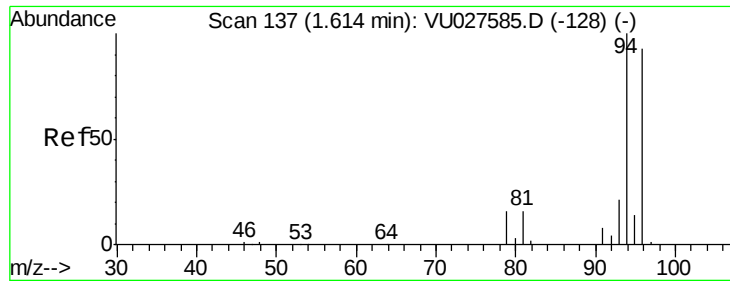
Tgt Ion: 62 Resp: 4158

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3





#5

Bromomethane

Concen: 2.32 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 94 Resp: 2265

Ion Ratio Lower Upper

94 100

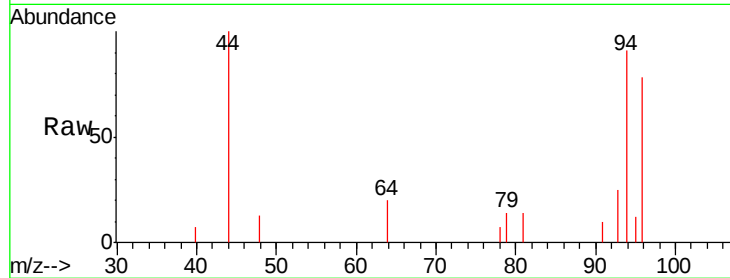
96 85.3 74.6 111.8

Manual Integrations

APPROVED

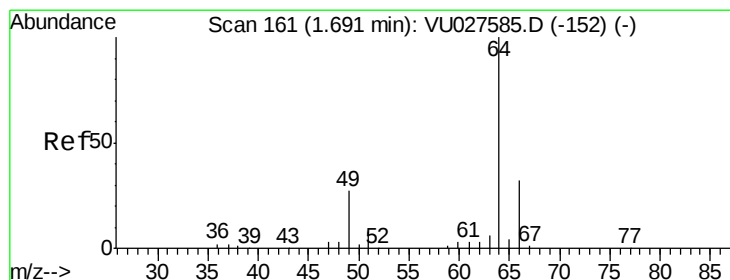
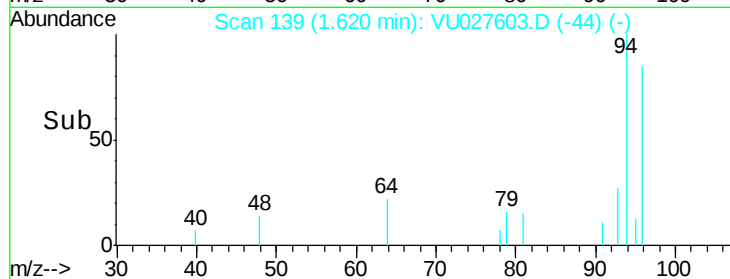
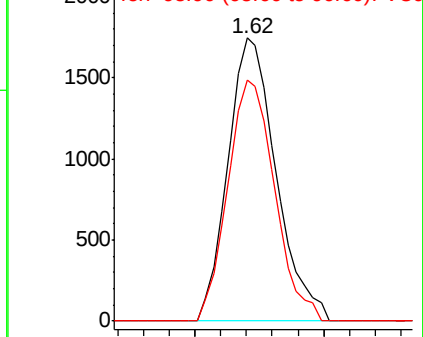
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.97 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027603.D

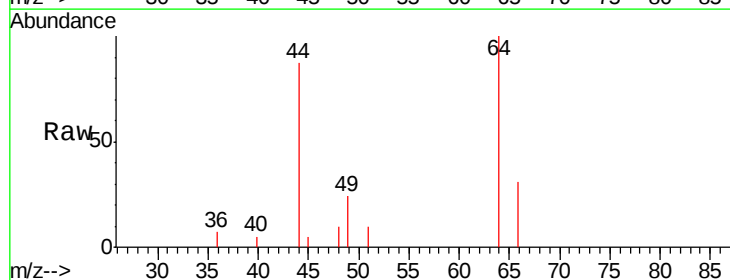
Acq: 11 Oct 2018 16:54

Tgt Ion: 64 Resp: 2282

Ion Ratio Lower Upper

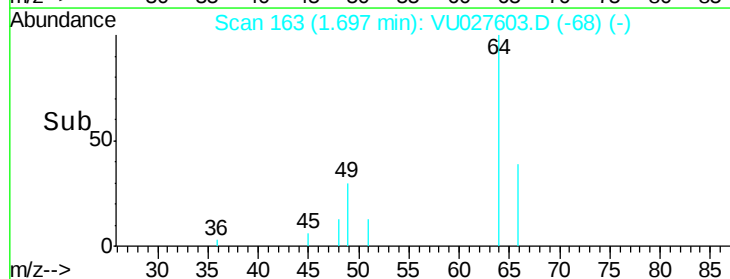
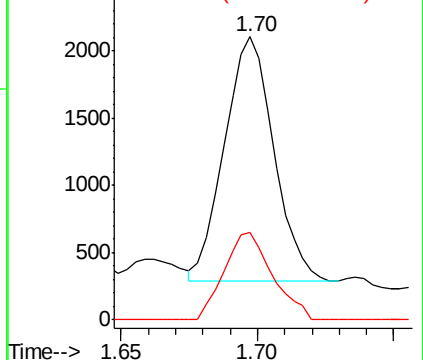
64 100

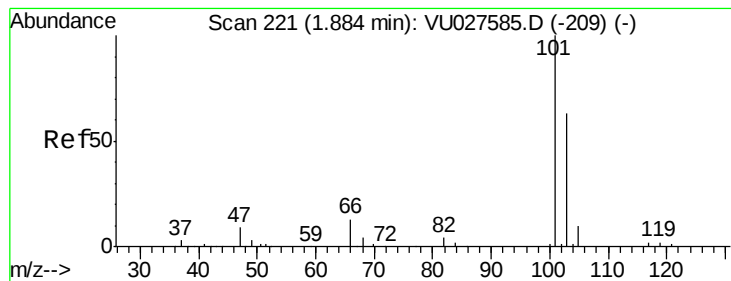
66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

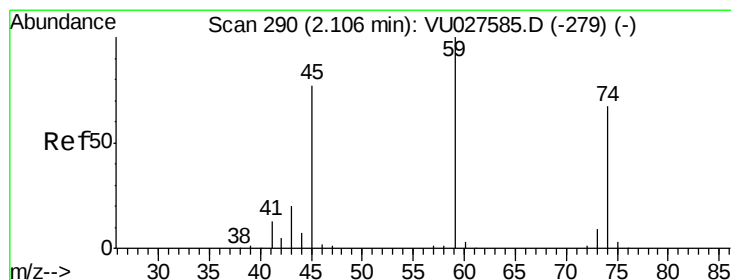
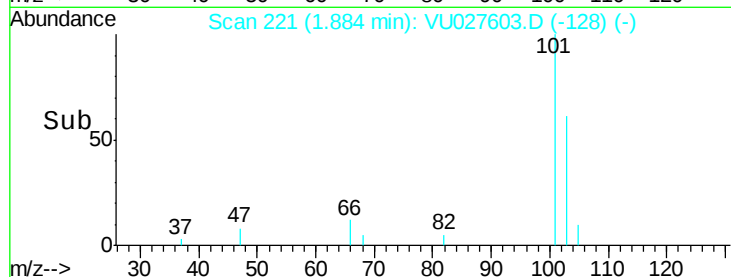
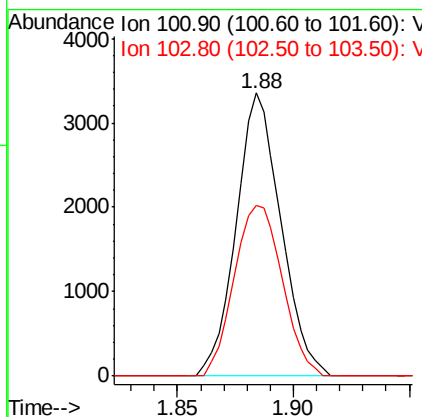
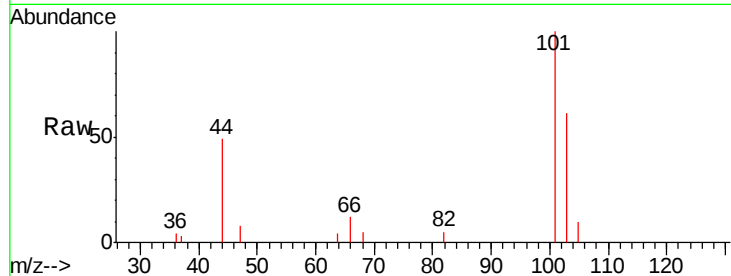
Trichlorofluoromethane
Concen: 2.23 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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LOQ-WATER-02-QT4-2018

Tgt Ion: 101 Resp: 4498
Ion Ratio Lower Upper
101 100
103 60.5 52.6 78.8

Manual Integrations
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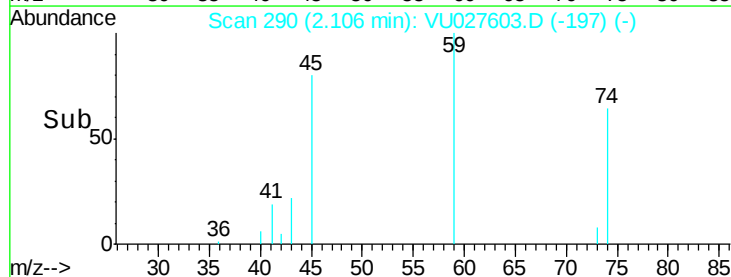
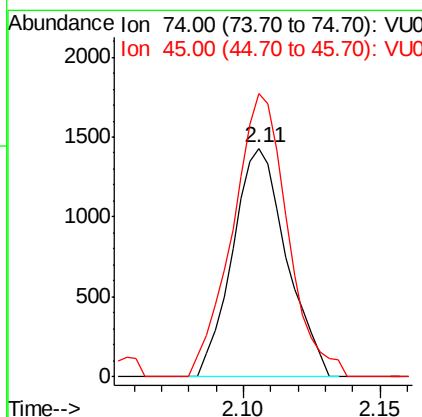
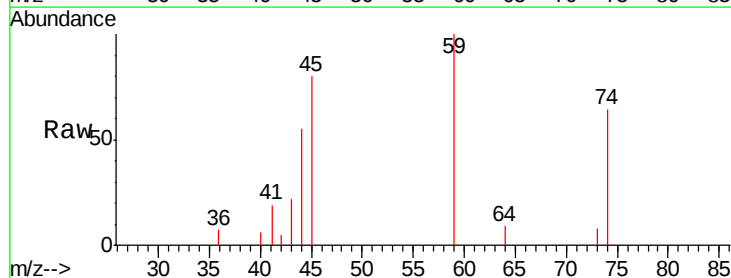
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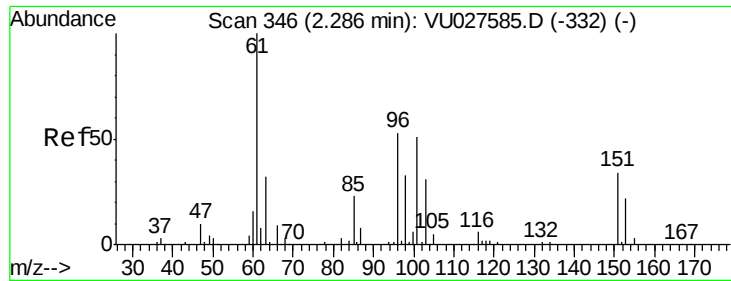


#8

Diethyl Ether
Concen: 2.16 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 74 Resp: 1960
Ion Ratio Lower Upper
74 100
45 126.2 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.35 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

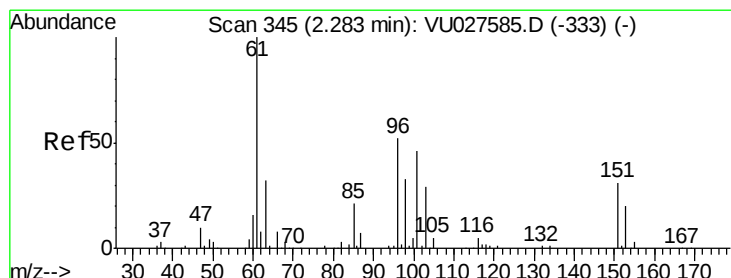
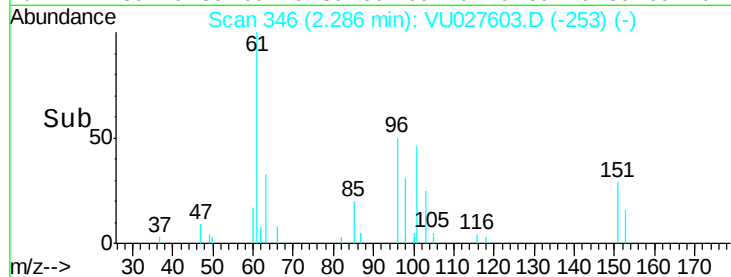
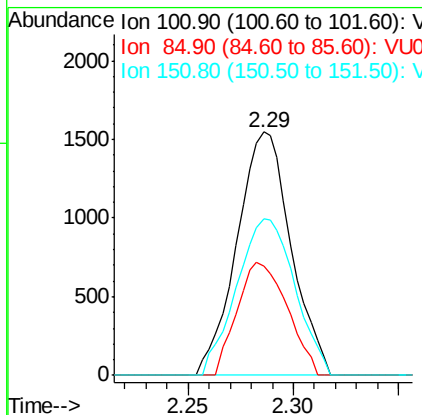
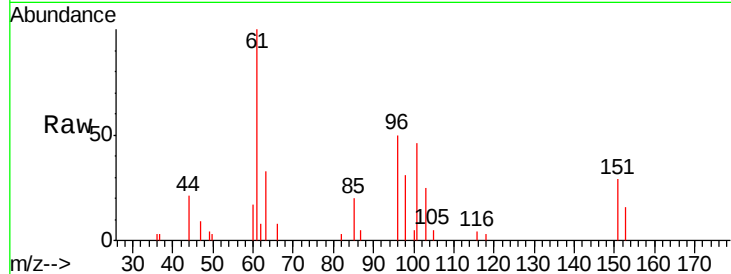
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	101	Resp:	2762
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.5	56.3
151	69.0	55.6	83.4

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#12

1,1-Dichloroethene

Concen: 2.31 ug/l

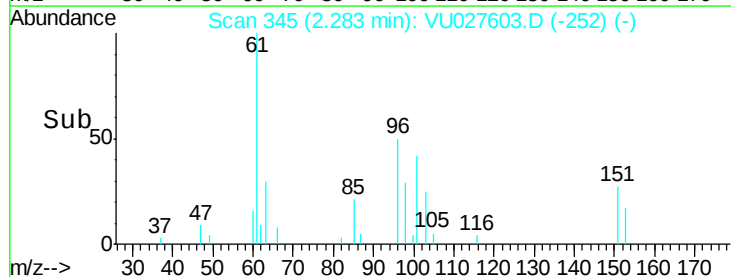
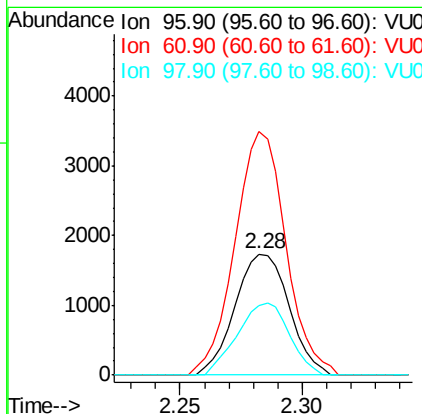
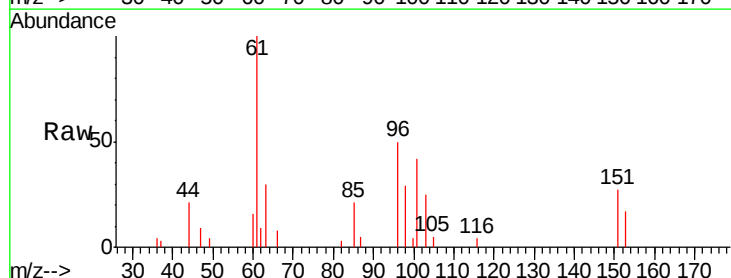
RT: 2.28 min Scan# 345

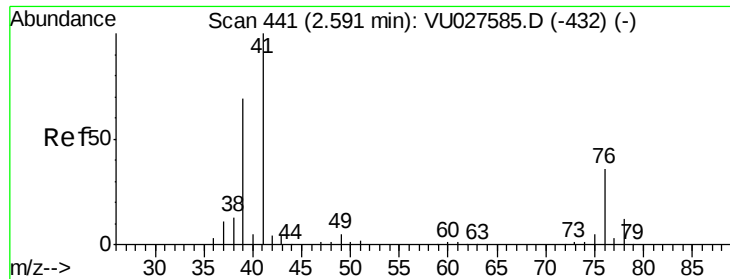
Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	96	Resp:	2665
Ion Ratio	Lower	Upper	
96	100		
61	201.0	153.0	229.6
98	57.6	49.3	73.9





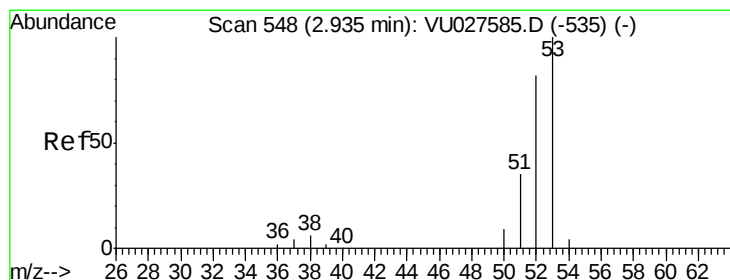
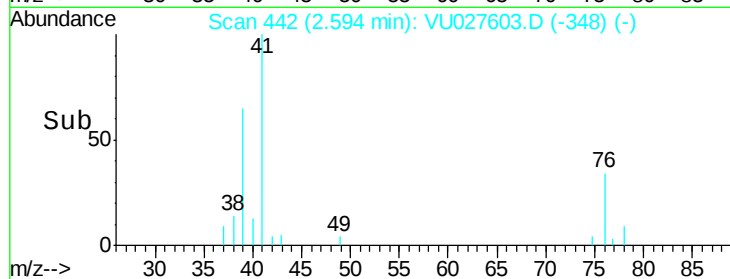
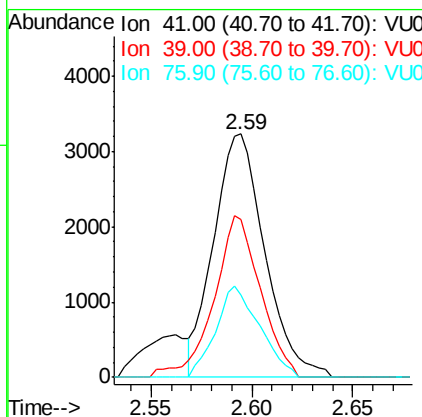
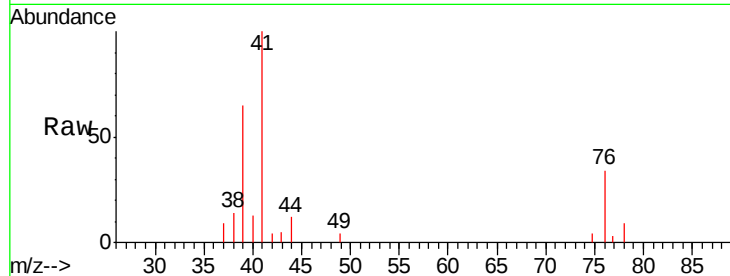
#14
 Allyl chloride
 Concen: 2.04 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.2	51.8	77.8
76	32.2	25.9	38.9

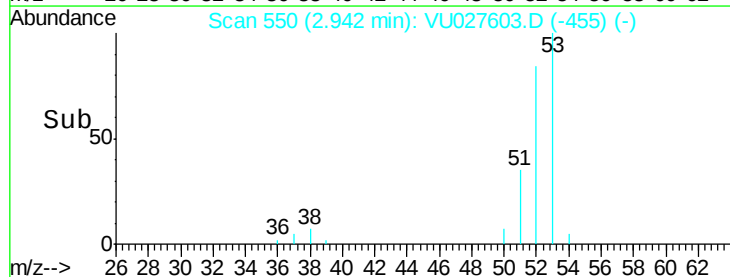
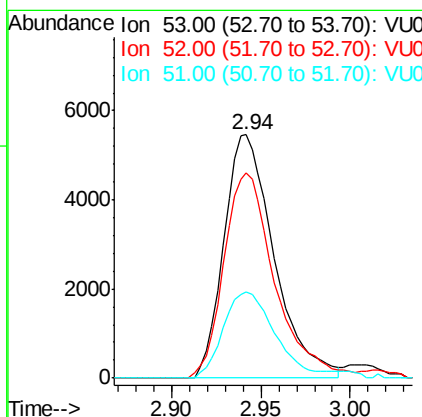
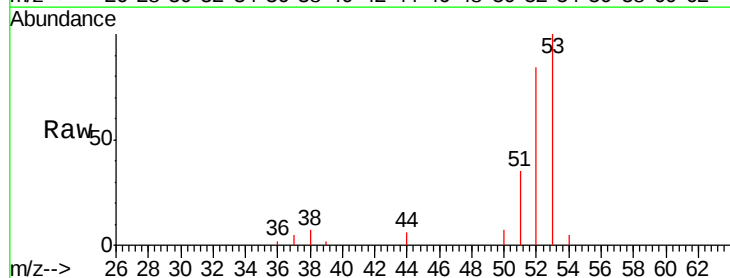
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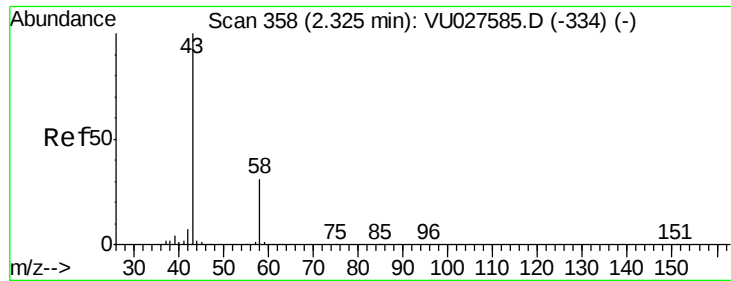
MMDadoda
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#15
 Acrylonitrile
 Concen: 10.58 ug/l
 RT: 2.94 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.5	99.7
51	36.4	27.6	41.4





#16

Acetone

Concen: 10.97 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 11653

Ion Ratio Lower Upper

43 100

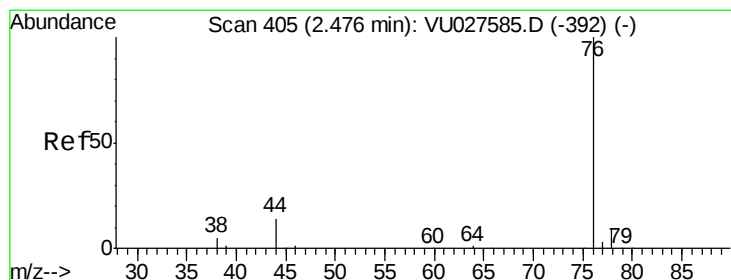
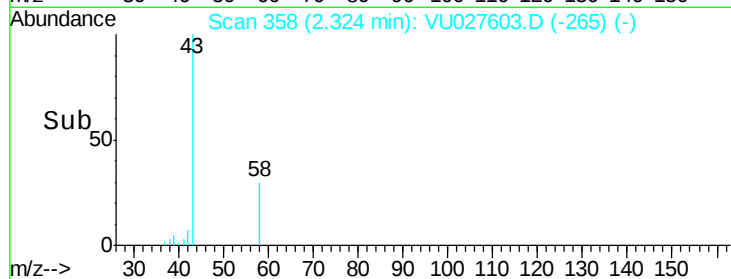
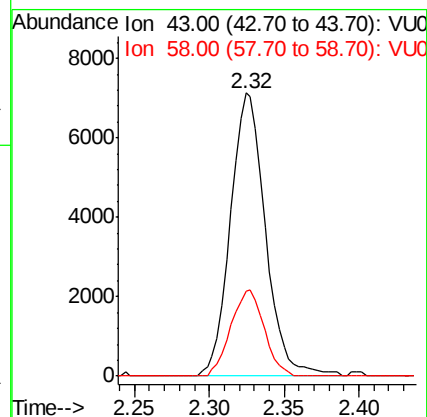
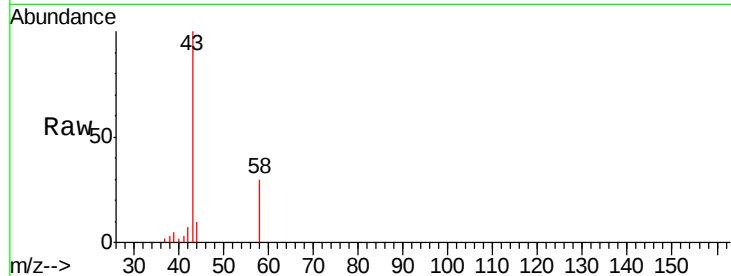
58 29.8 24.2 36.4

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#17

Carbon Disulfide

Concen: 2.22 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027603.D

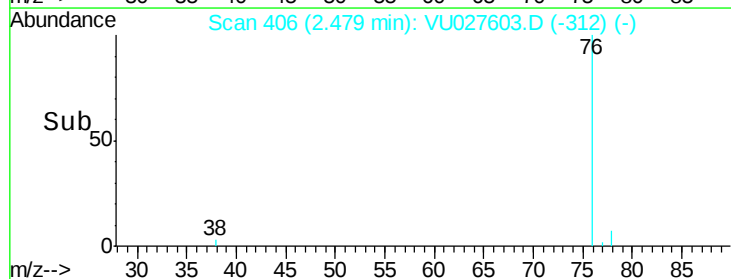
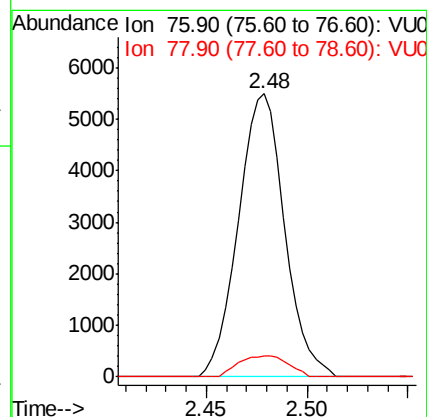
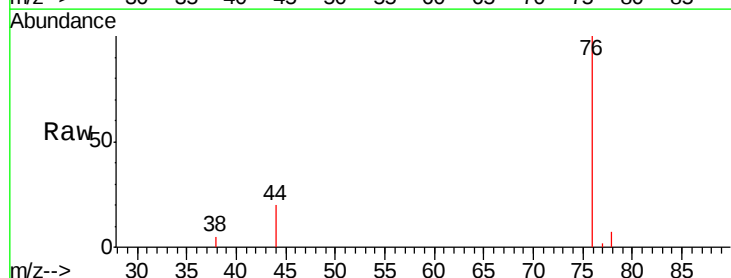
Acq: 11 Oct 2018 16:54

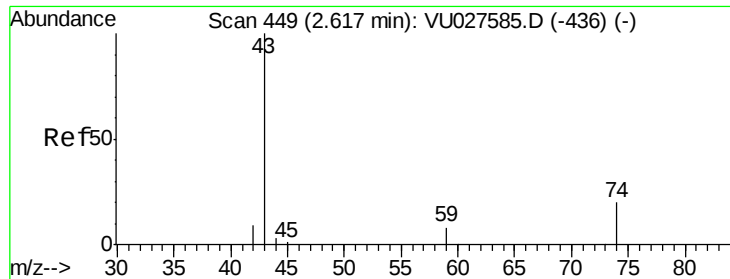
Tgt Ion: 76 Resp: 8805

Ion Ratio Lower Upper

76 100

78 7.3 7.3 10.9





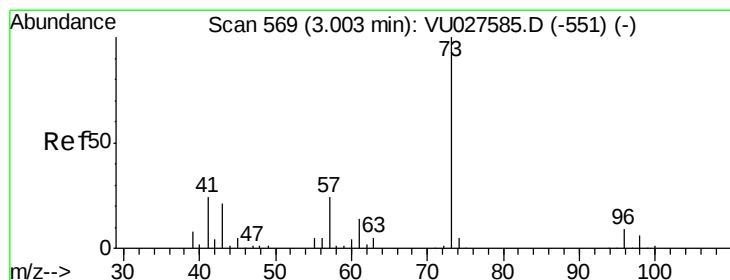
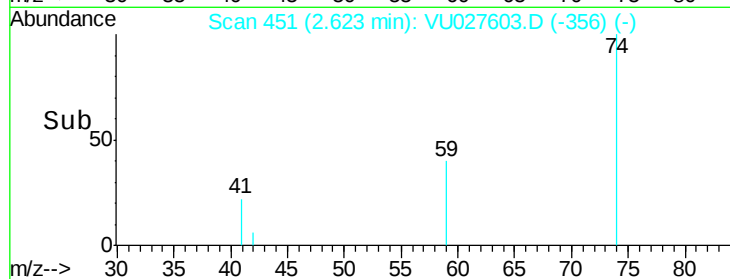
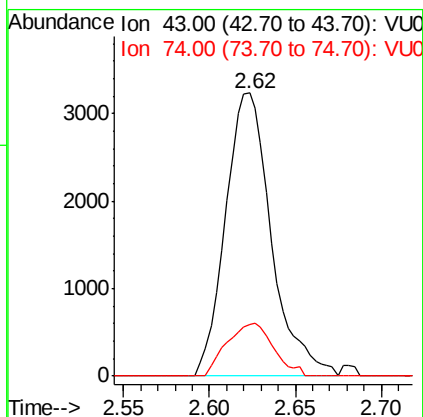
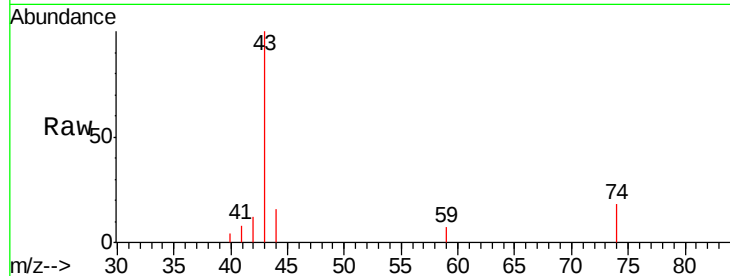
#18
Methyl Acetate
Concen: 2.26 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 5997
Ion Ratio Lower Upper
43 100
74 19.0 16.5 24.7

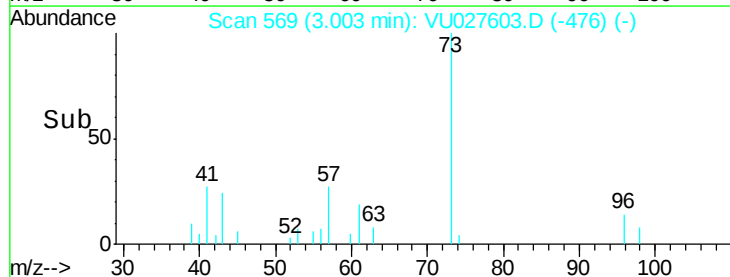
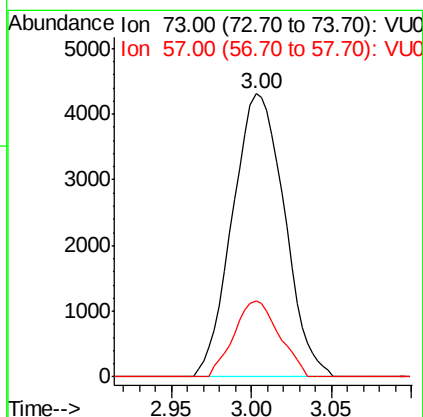
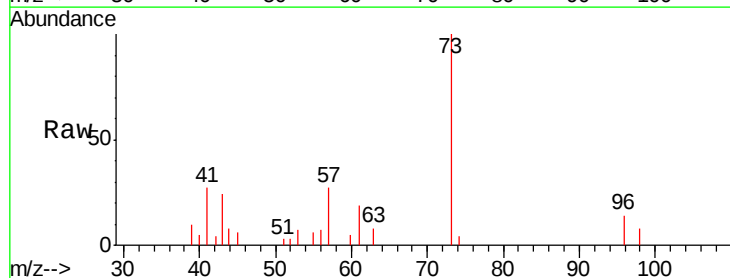
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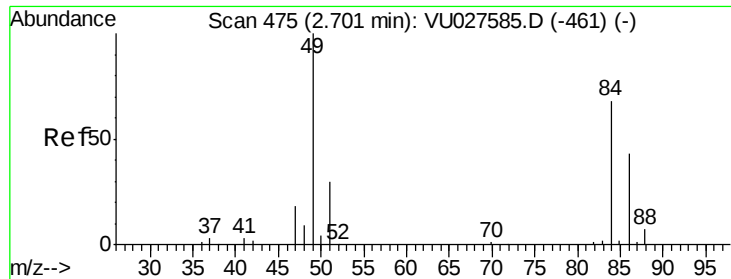
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 2.16 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 73 Resp: 9585
Ion Ratio Lower Upper
73 100
57 26.8 20.0 30.0





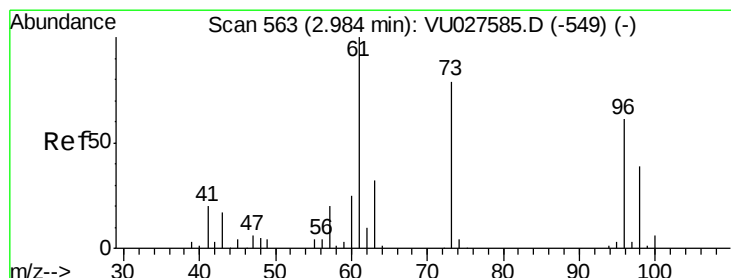
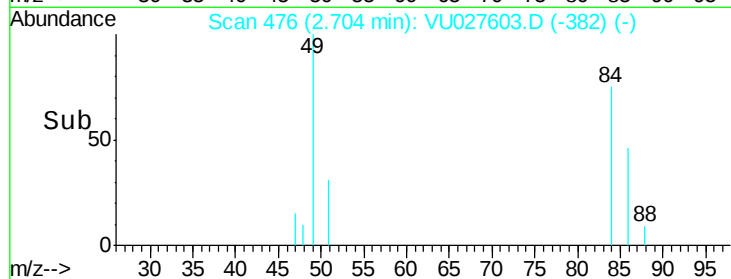
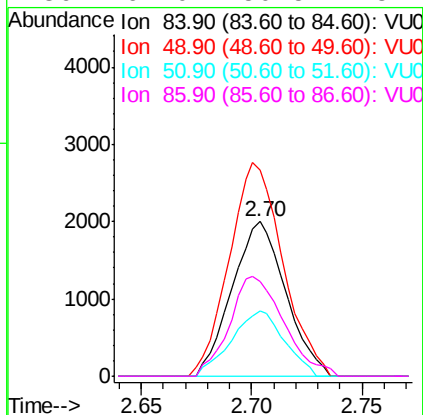
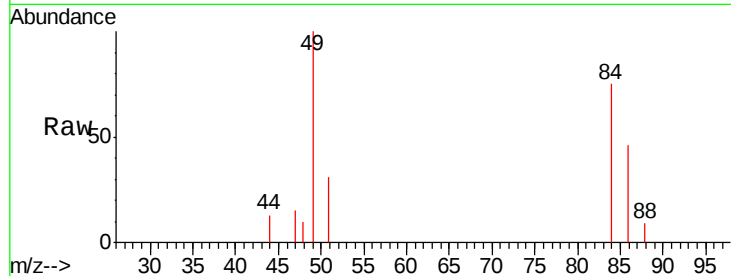
#20
Methylene Chloride
Concen: 2.25 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.9	120.5	180.7
51	42.0	35.1	52.7
86	61.0	50.5	75.7

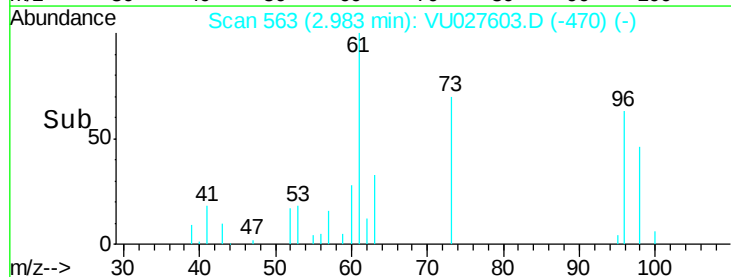
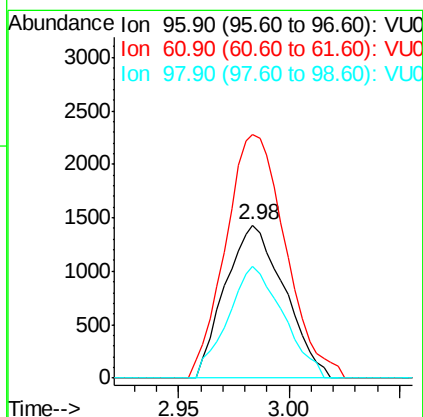
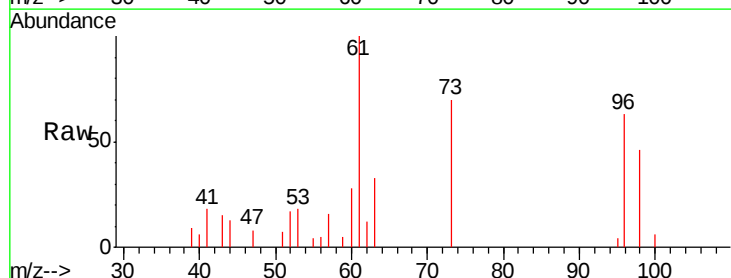
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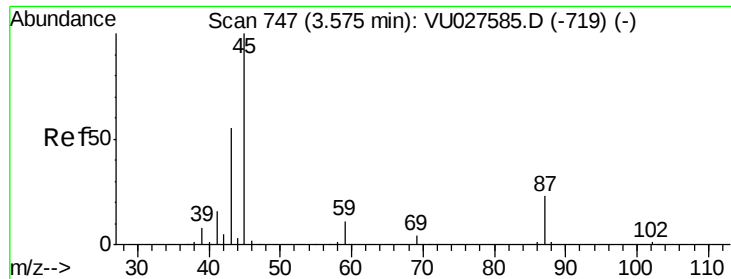
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 2.09 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	129.4	194.2
98	72.9	51.2	76.8





#22

Diisopropyl ether

Concen: 2.10 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

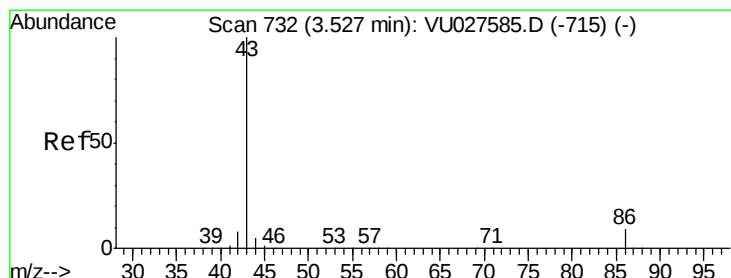
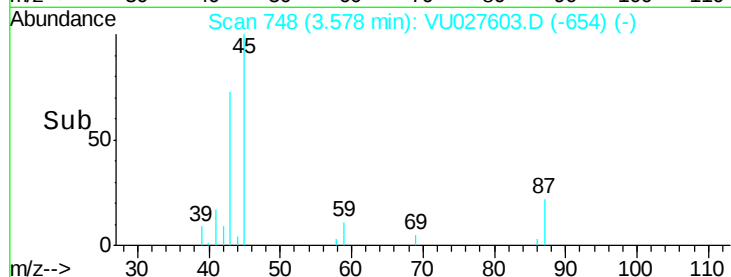
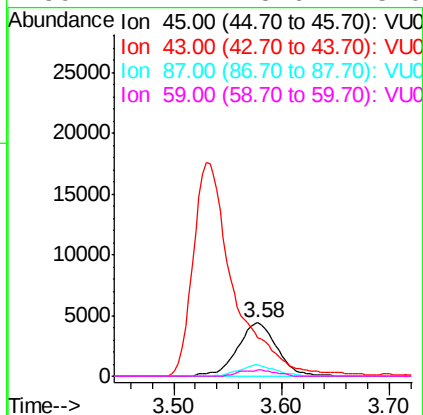
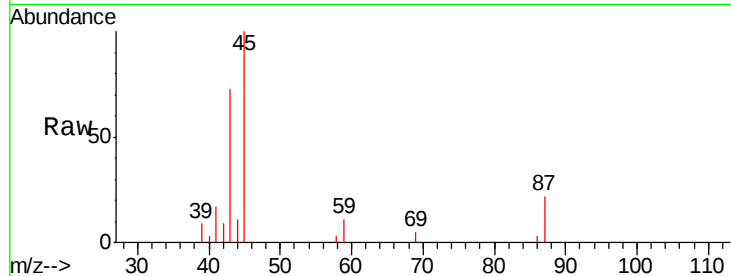
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	45	Resp:	11260
Ion Ratio	Lower	Upper	
45	100		
43	66.1	43.4	65.2#
87	21.6	17.5	26.3
59	11.2	8.6	13.0

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#23

Vinyl Acetate

Concen: 10.07 ug/l

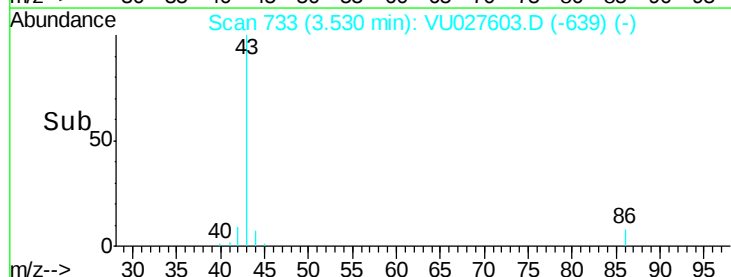
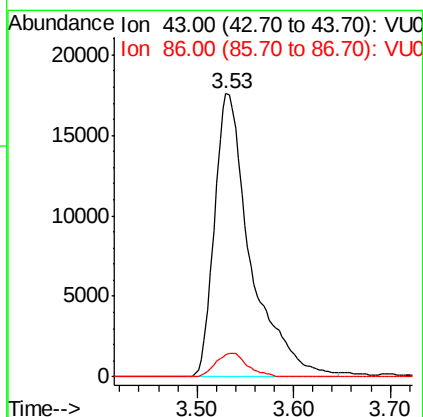
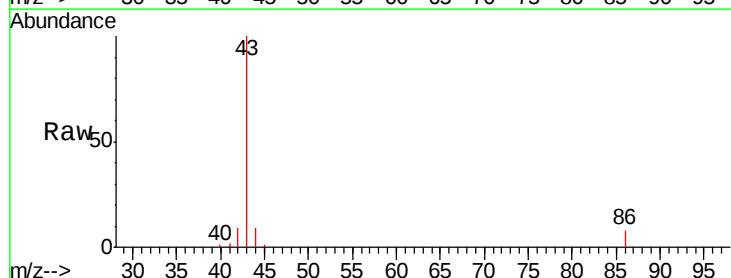
RT: 3.53 min Scan# 733

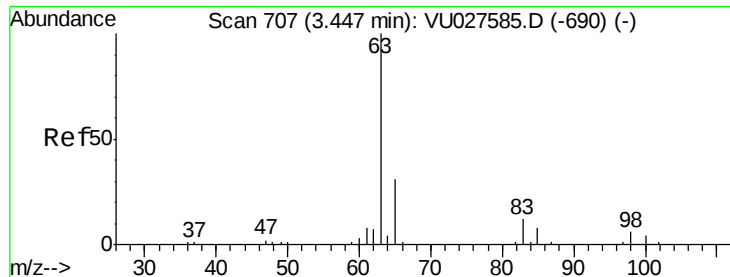
Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	43	Resp:	45724
Ion Ratio	Lower	Upper	
43	100		
86	7.8	7.0	10.4





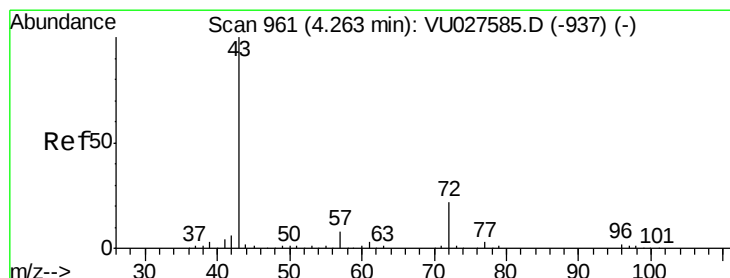
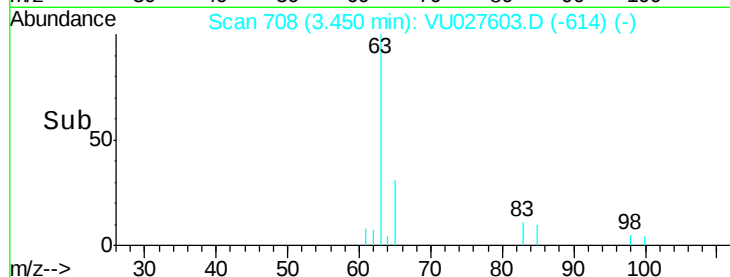
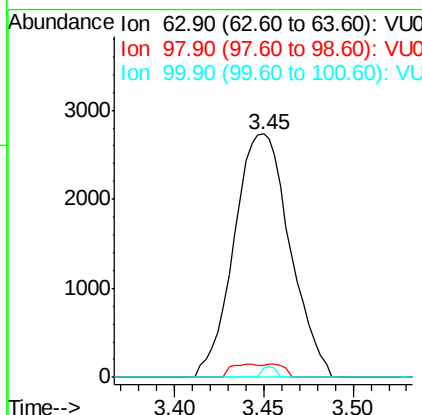
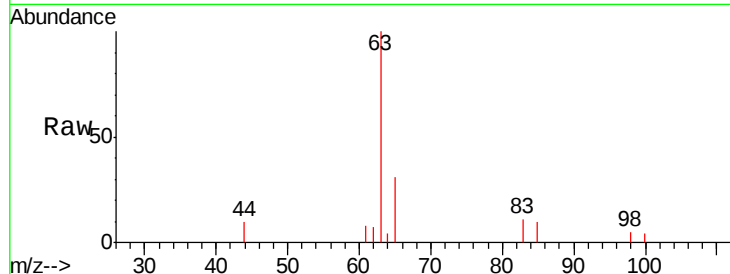
#24
 1,1-Dichloroethane
 Concen: 2.10 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.8	3.0	9.2
100	3.7	1.8	5.5

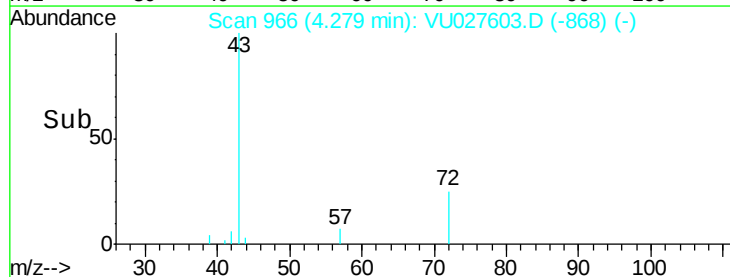
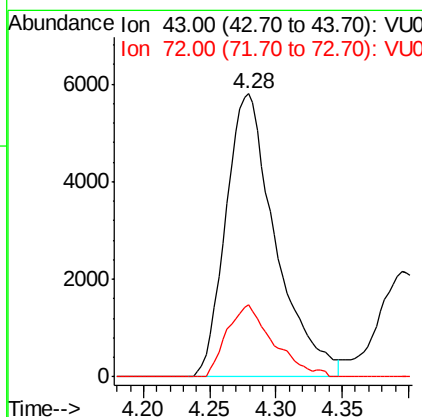
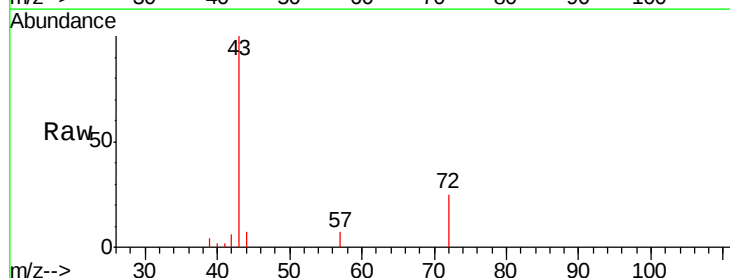
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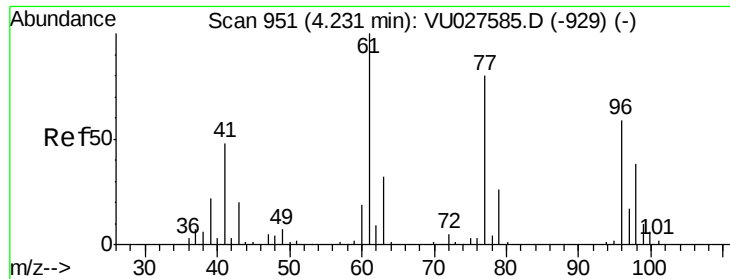
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#25
 2-Butanone
 Concen: 10.07 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	17.8	26.6





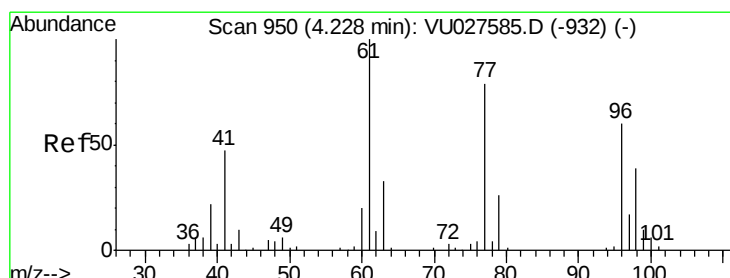
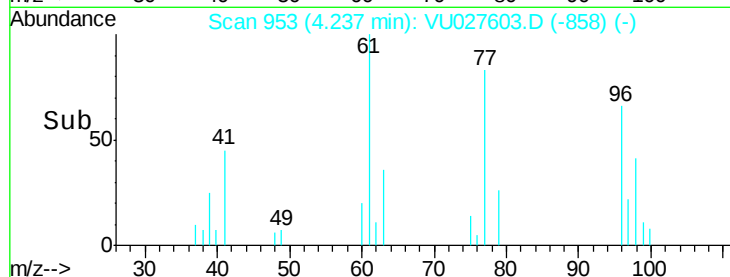
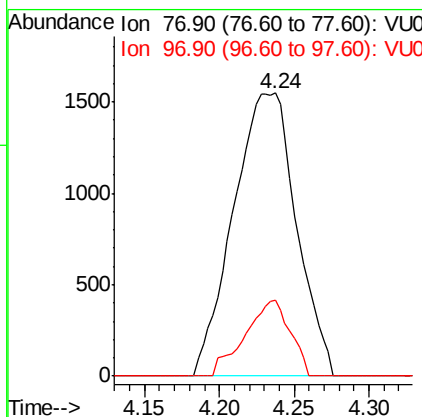
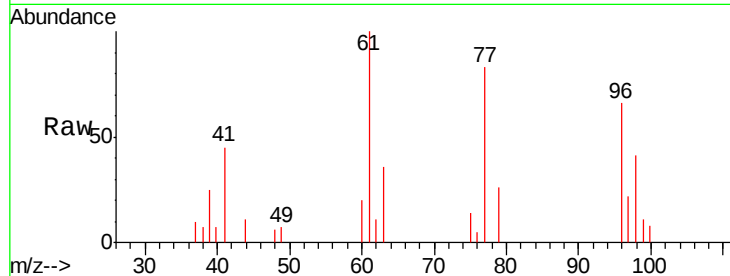
#26
 2,2-Dichloropropane
 Concen: 1.99 ug/l
 RT: 4.24 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 77 Resp: 4534
 Ion Ratio Lower Upper
 77 100
 97 19.3 10.4 31.1

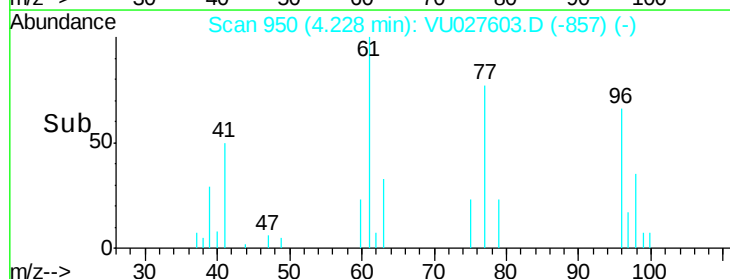
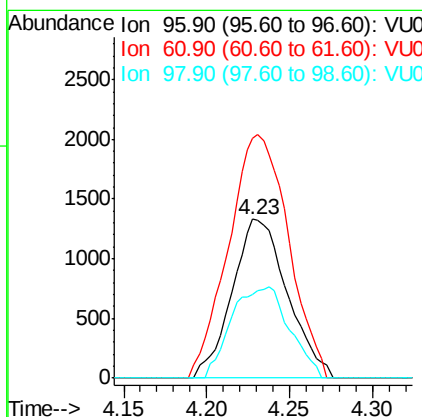
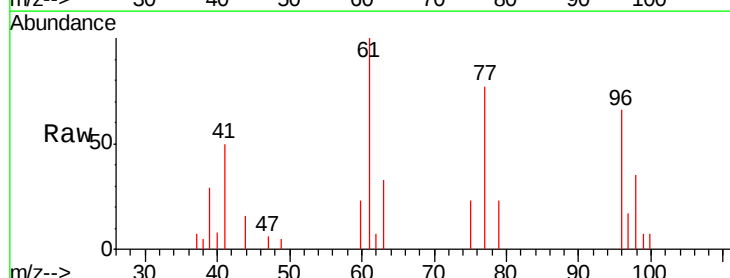
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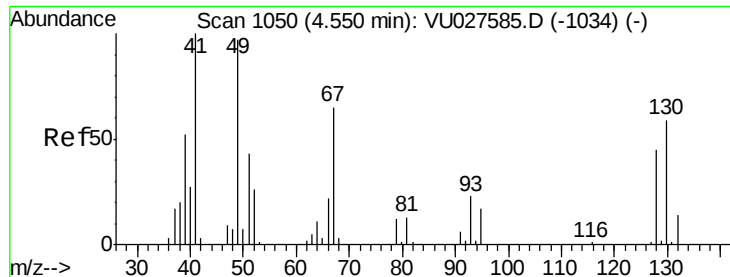
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 2.18 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 96 Resp: 3091
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 343.8
 98 59.8 0.0 129.0





#28

Bromochloromethane

Concen: 2.06 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

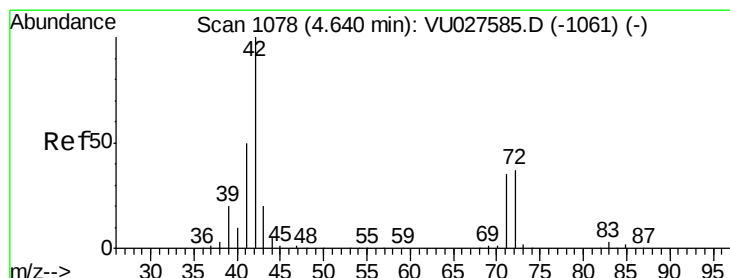
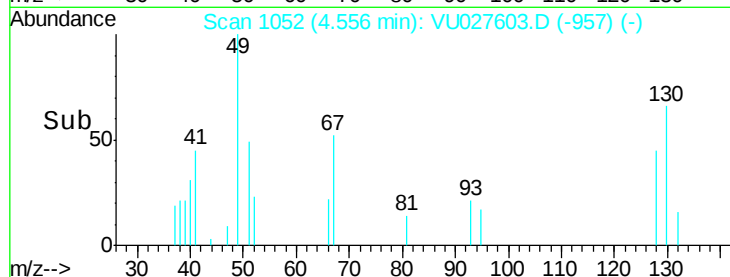
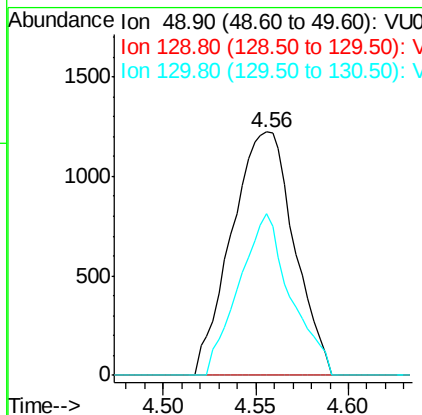
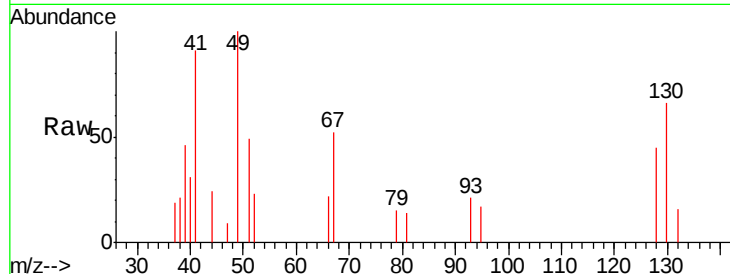
LOQ-WATER-02-QT4-2018

Tgt Ion: 49 Resp: 2881

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	54.9	46.1	69.1

Manual Integrations
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#29

Tetrahydrofuran

Concen: 10.77 ug/l

RT: 4.65 min Scan# 1082

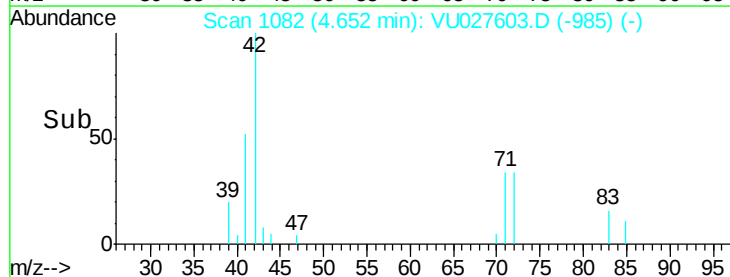
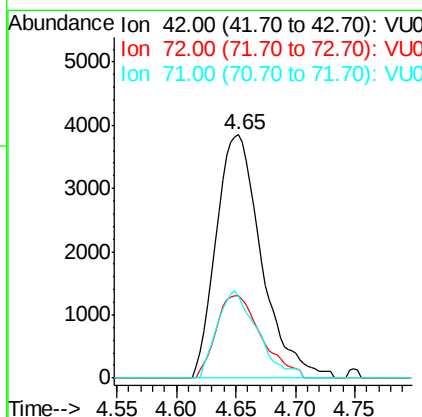
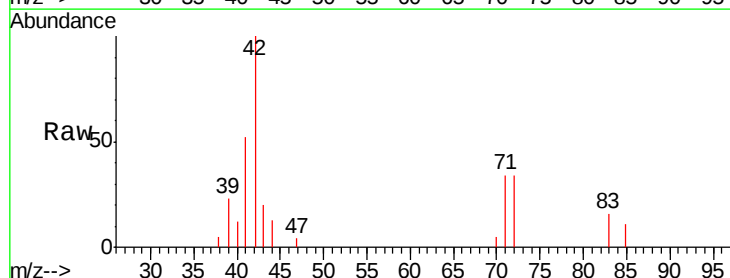
Delta R.T. 0.01 min

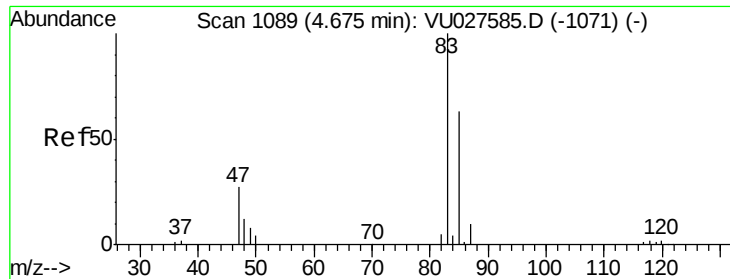
Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion: 42 Resp: 10167

Ion	Ratio	Lower	Upper
42	100		
72	33.7	30.1	45.1
71	31.2	27.7	41.5





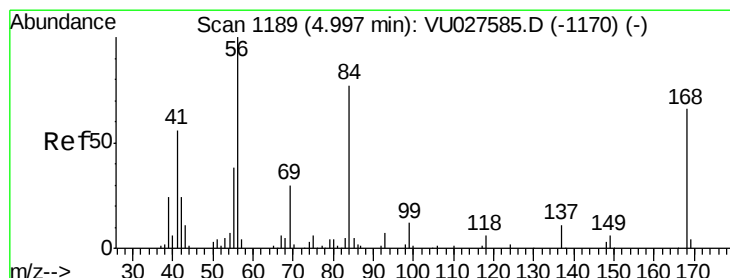
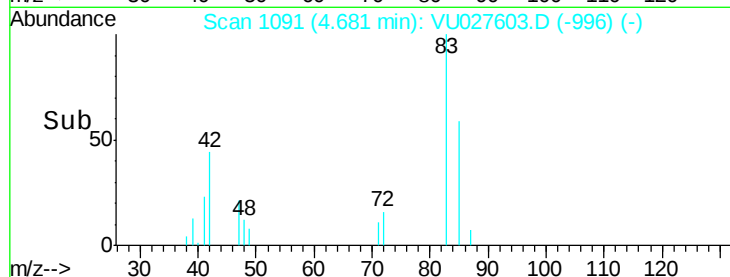
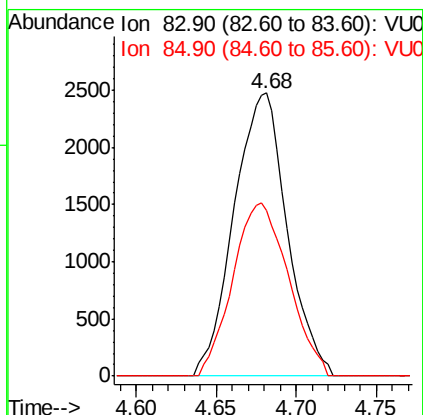
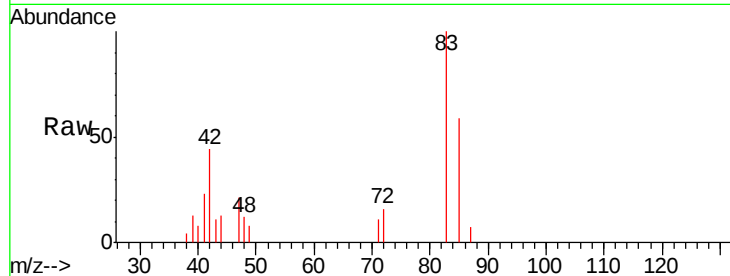
#30
Chloroform
Concen: 2.23 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 83 Resp: 5630
Ion Ratio Lower Upper
83 100
85 58.7 51.8 77.6

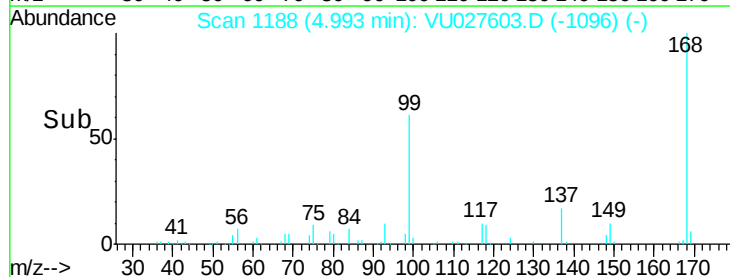
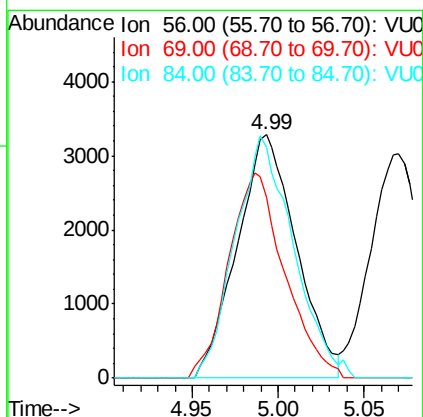
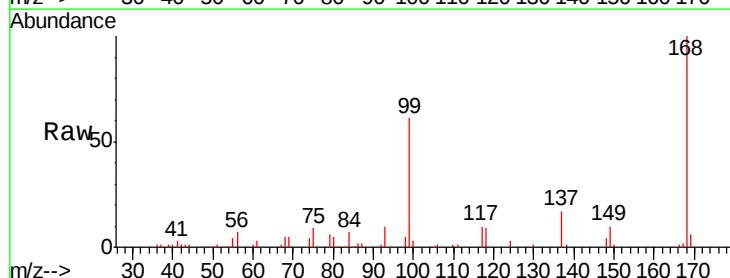
Manual Integrations
APPROVED

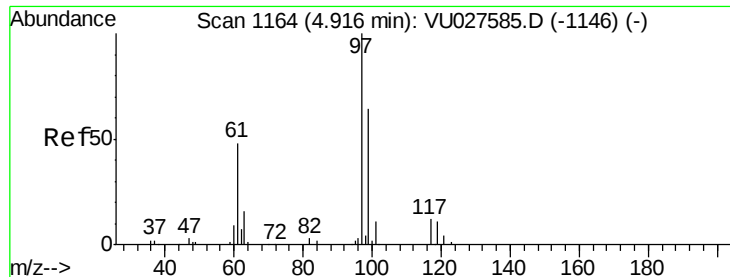
MMDadoda
10/16/2018 2:22:44 PM



#31
Cyclohexane
Concen: 1.69 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 56 Resp: 7845
Ion Ratio Lower Upper
56 100
69 74.4 24.1 36.1#
84 94.8 59.1 88.7#





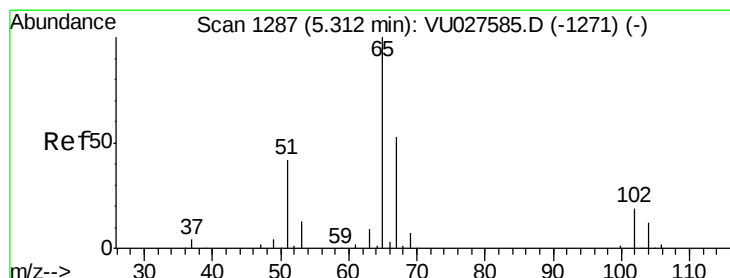
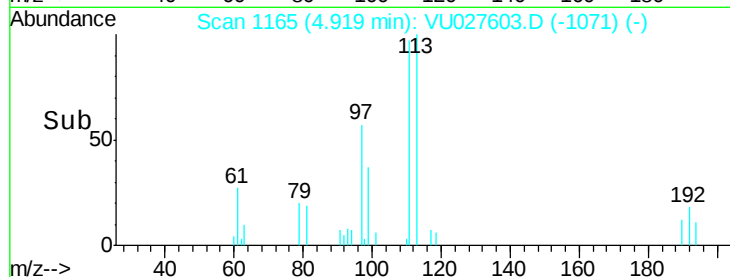
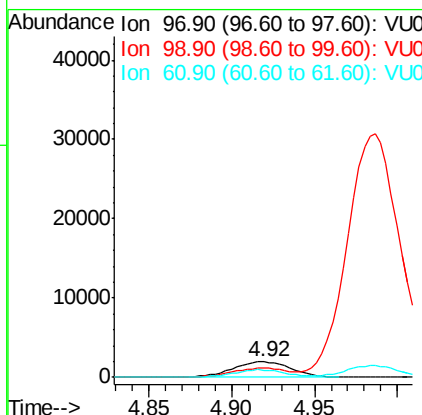
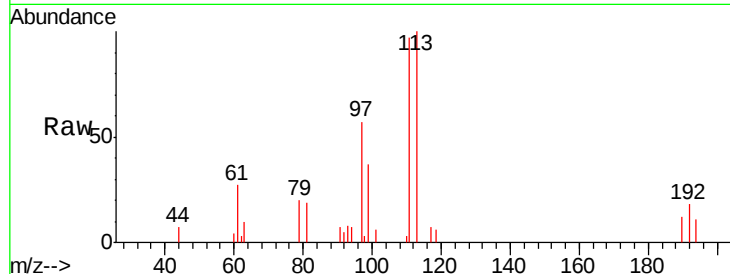
#32
 1,1,1-Trichloroethane
 Concen: 2.25 ug/l
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 97 Resp: 4789
 Ion Ratio Lower Upper
 97 100
 99 56.7 51.1 76.7
 61 43.6 39.6 59.4

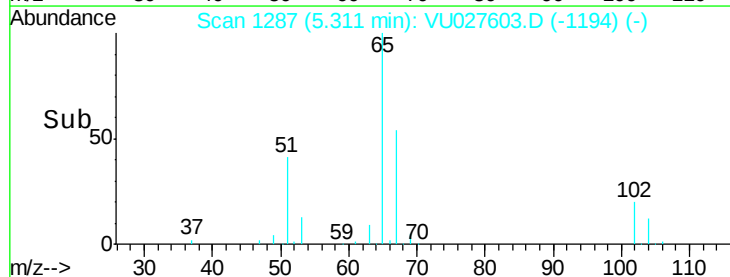
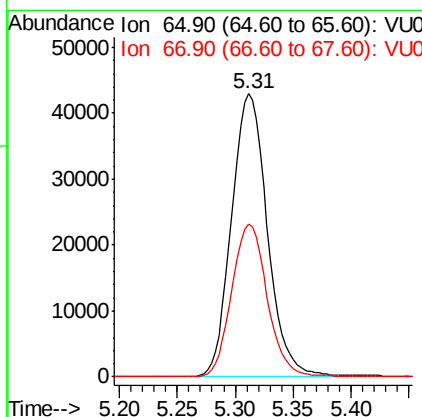
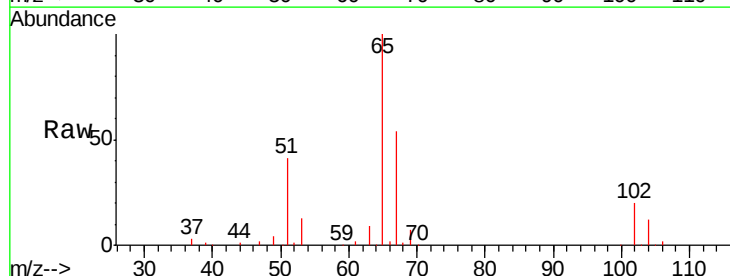
Manual Integrations
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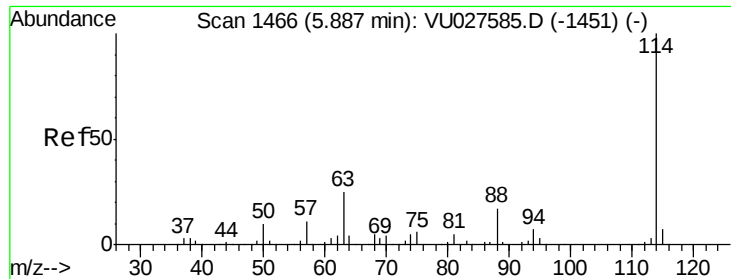
MMDadoda
 10/16/2018 2:22:44 PM



#33
 1,2-Dichloroethane-d4
 Concen: 52.89 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 65 Resp: 92119
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8





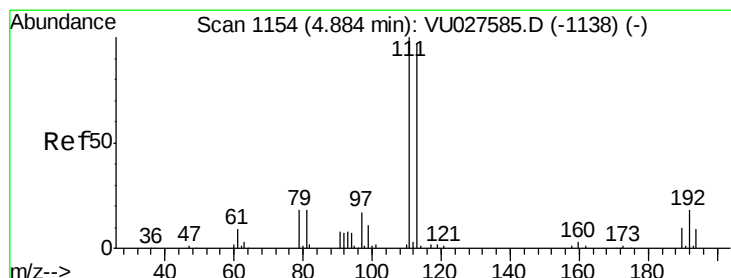
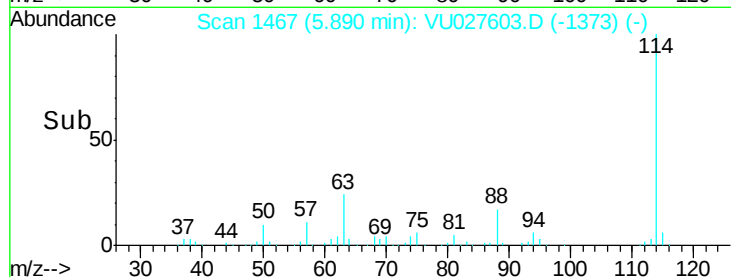
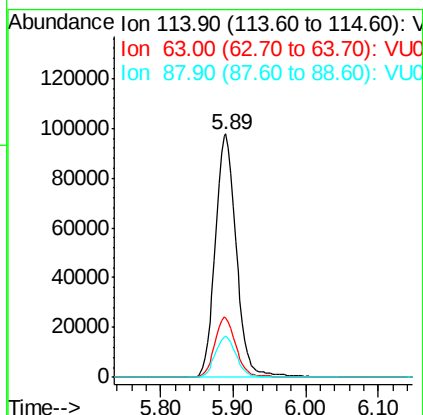
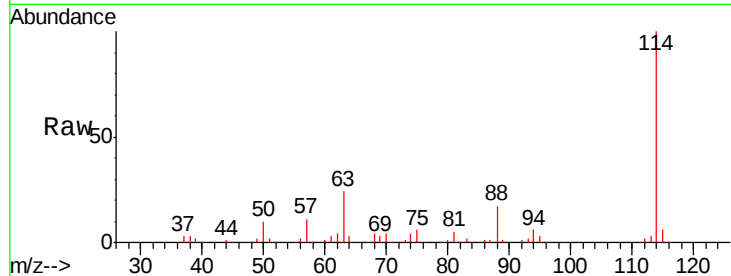
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	24.4	0.0	50.2
88	16.9	0.0	33.8

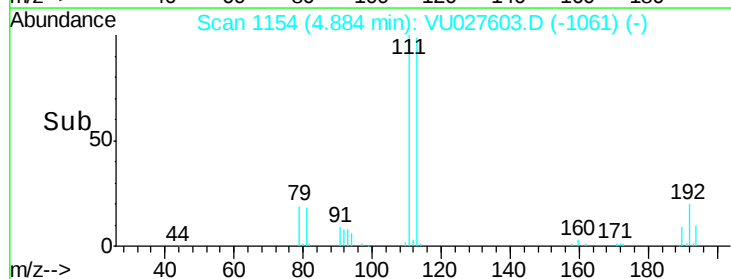
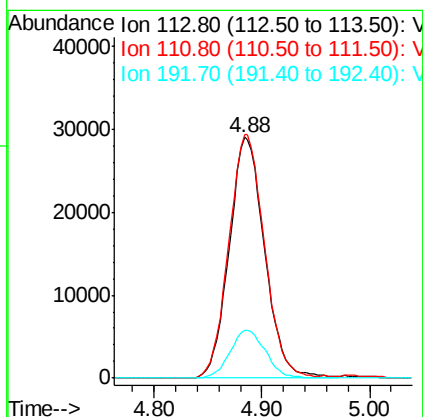
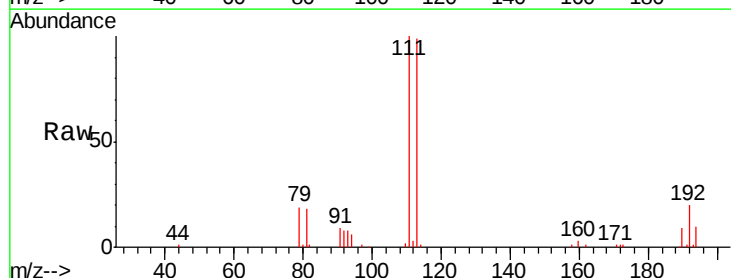
Manual Integrations
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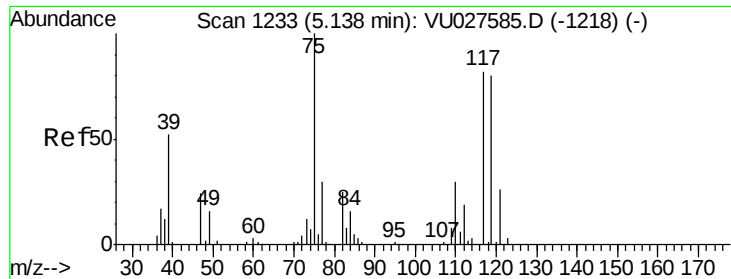
MMDadoda
 10/16/2018 2:22:44 PM



#35
 Dibromofluoromethane
 Concen: 51.08 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	101.8	83.1	124.7
192	19.8	15.4	23.0





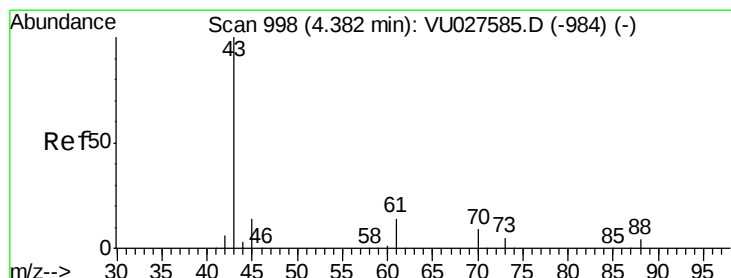
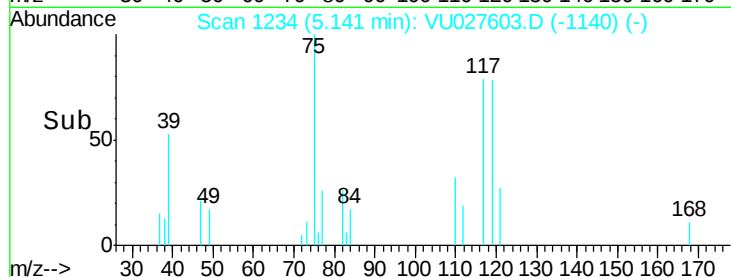
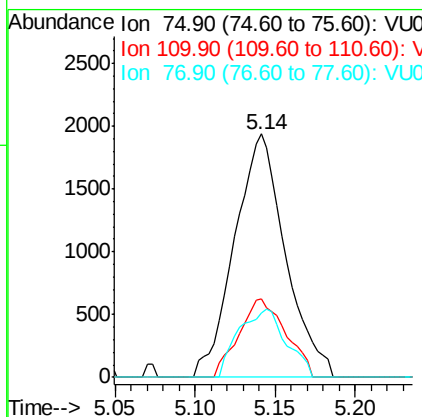
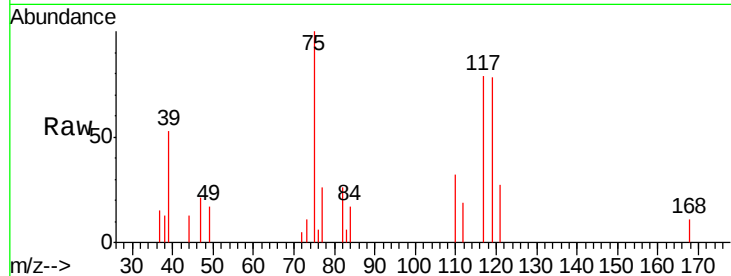
#36
 1,1-Dichloropropene
 Concen: 2.11 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	15.5	46.5
77	26.3	25.4	38.0

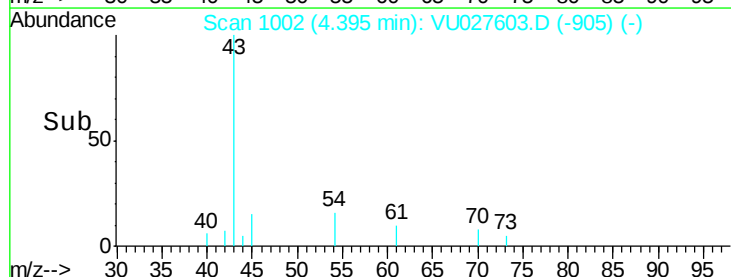
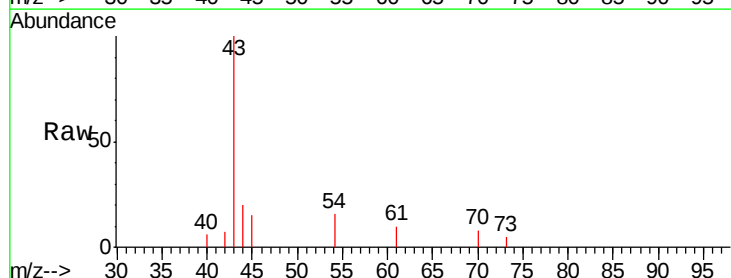
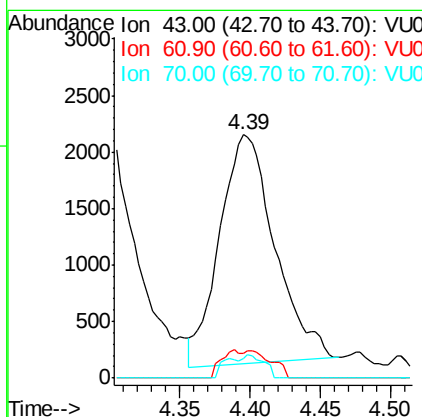
Manual Integrations
 APPROVED

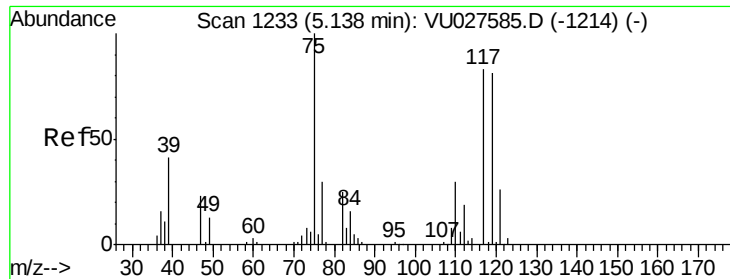
MMDadoda
 10/16/2018 2:22:44 PM



#37
 Ethyl Acetate
 Concen: 1.91 ug/l
 RT: 4.39 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	3.9	7.4	11.2#





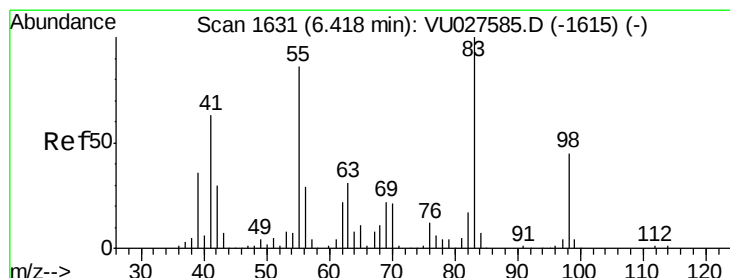
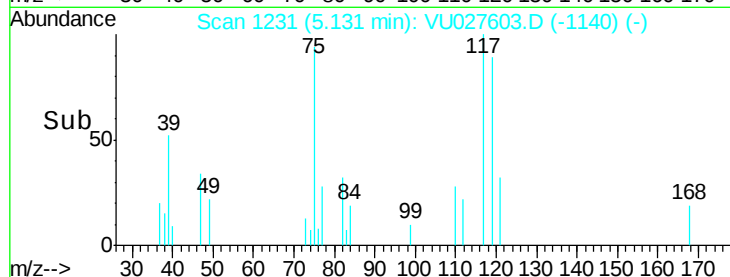
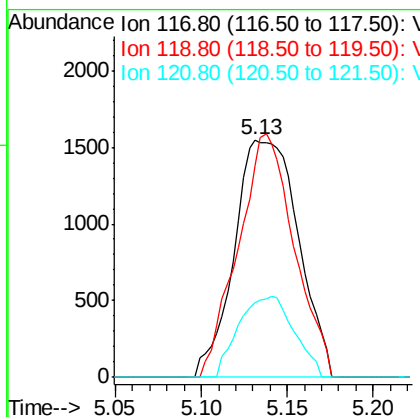
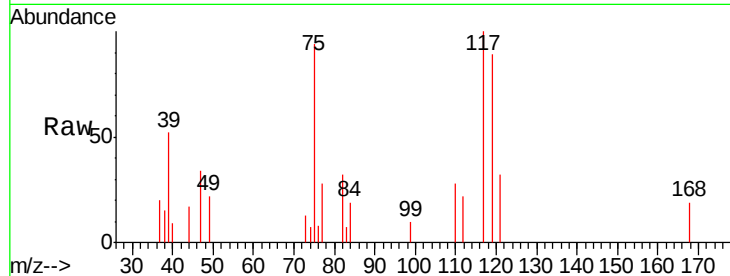
#38
Carbon Tetrachloride
Concen: 2.17 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 117 Resp: 4000
Ion Ratio Lower Upper
117 100
119 89.2 74.5 111.7
121 31.6 24.6 37.0

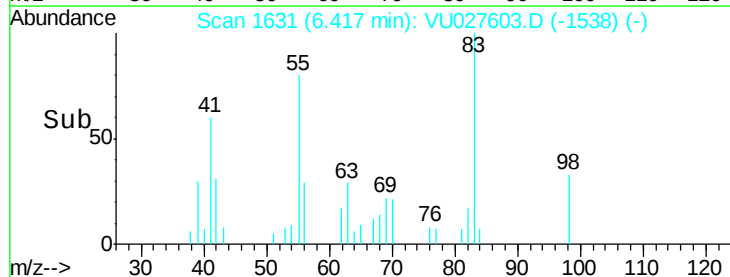
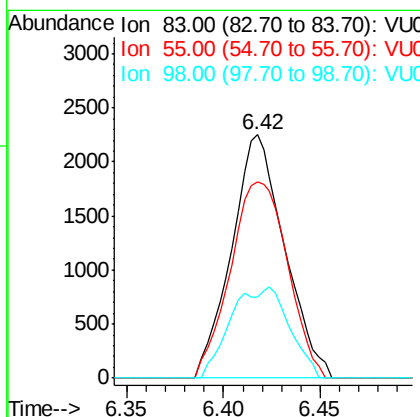
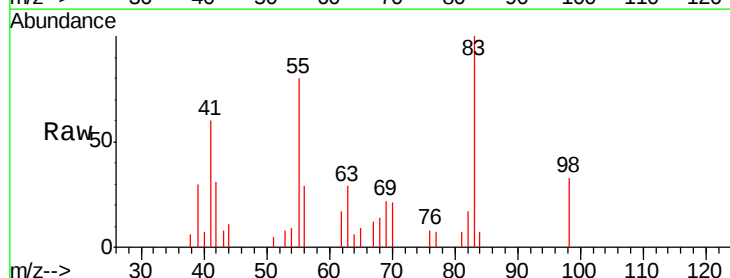
Manual Integrations
APPROVED

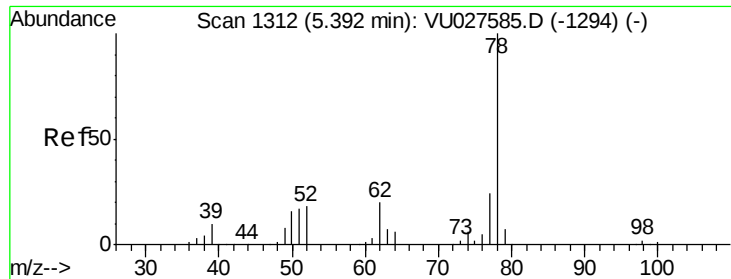
MMDadoda
10/16/2018 2:22:44 PM



#39
Methylcyclohexane
Concen: 1.90 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 83 Resp: 4290
Ion Ratio Lower Upper
83 100
55 80.4 71.1 106.7
98 33.0 36.3 54.5#





#40

Benzene

Concen: 2.08 ug/l

RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 78 Resp: 12588

Ion Ratio Lower Upper

78 100

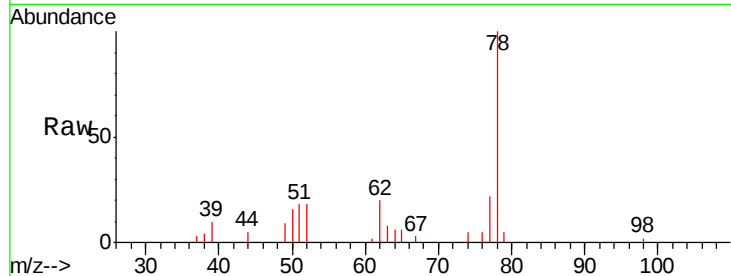
77 22.2 19.3 28.9

Manual Integrations

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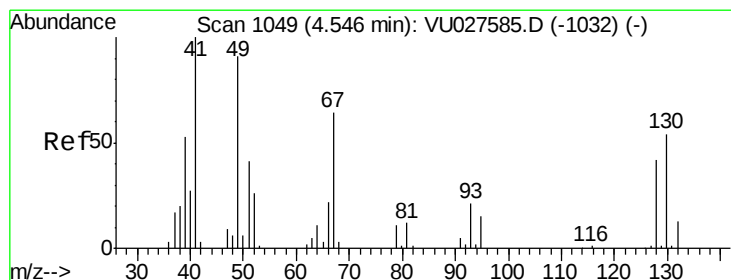
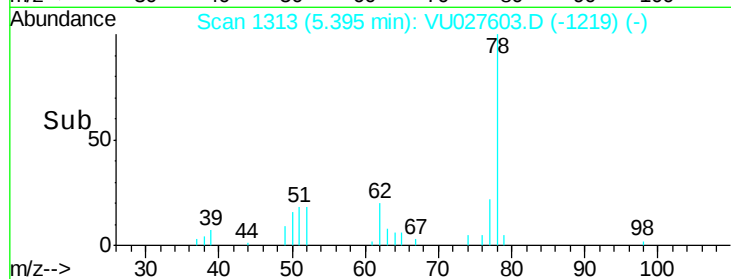
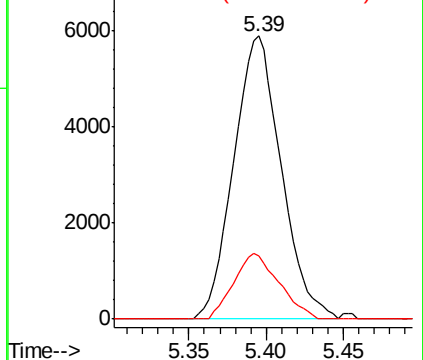
MMDadoda

10/16/2018 2:22:44 PM



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#41

Methacrylonitrile

Concen: 2.30 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion: 41 Resp: 2742

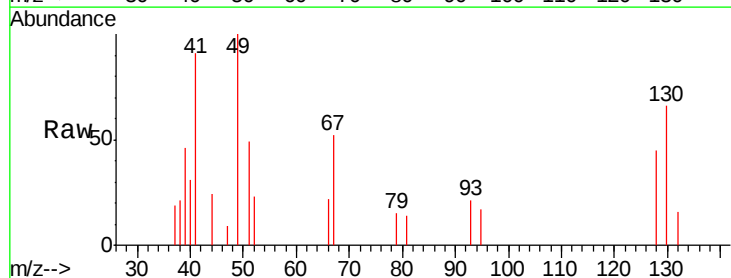
Ion Ratio Lower Upper

41 100

39 55.0 41.1 61.7

67 60.9 50.4 75.6

52 21.7 20.3 30.5

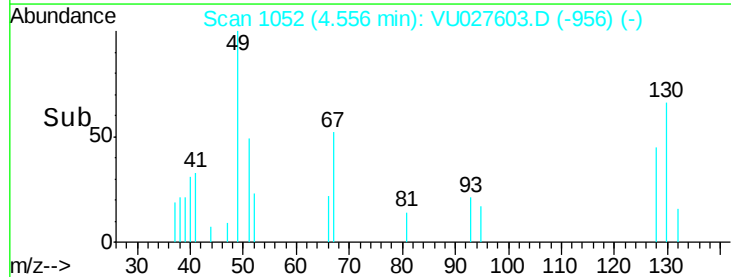
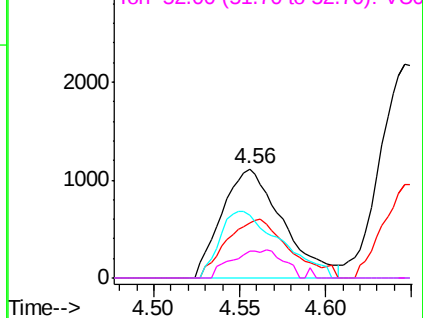


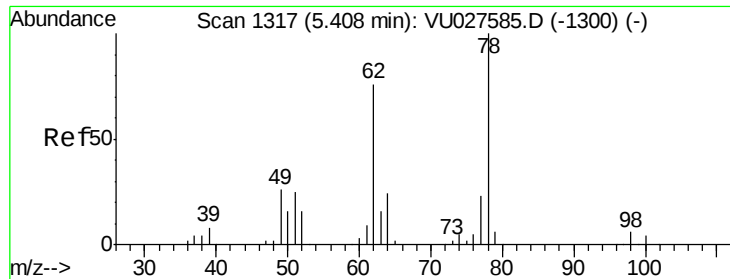
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





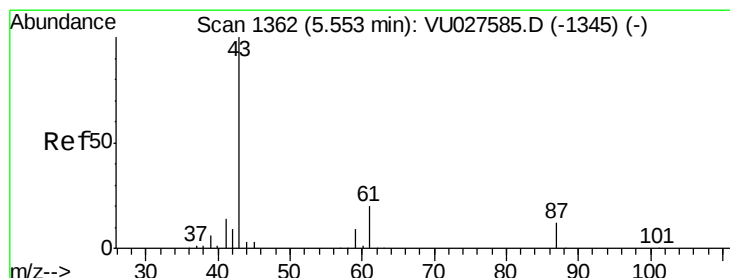
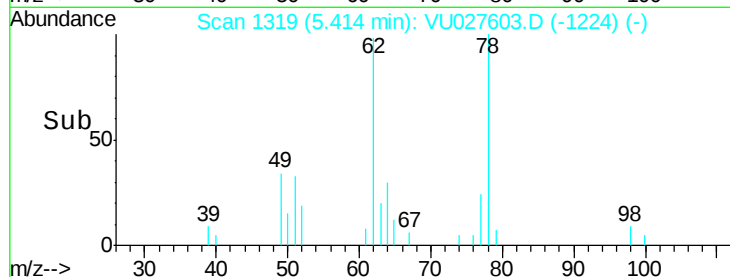
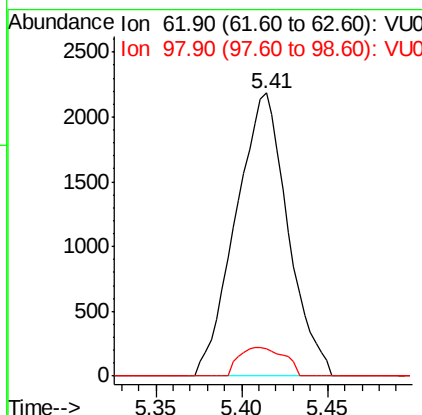
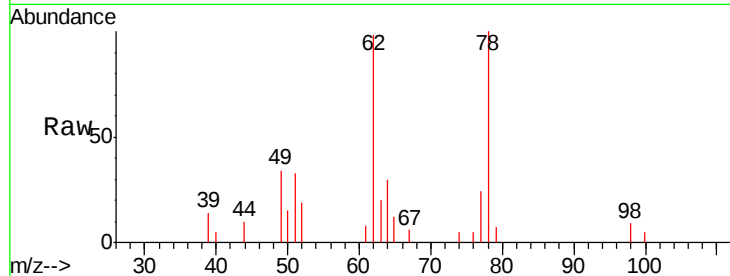
#42
 1,2-Dichloroethane
 Concen: 2.06 ug/l
 RT: 5.41 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	4601		
98	8.8	0.0	16.8	

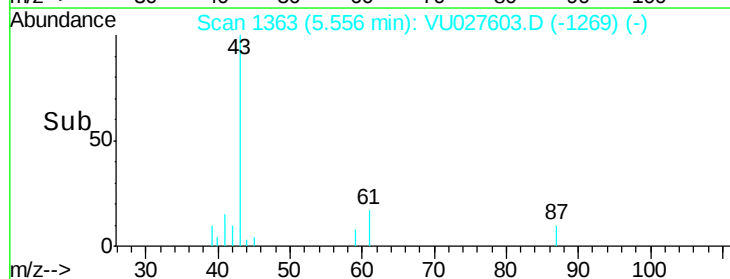
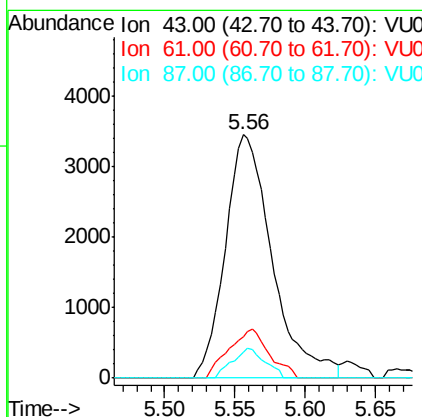
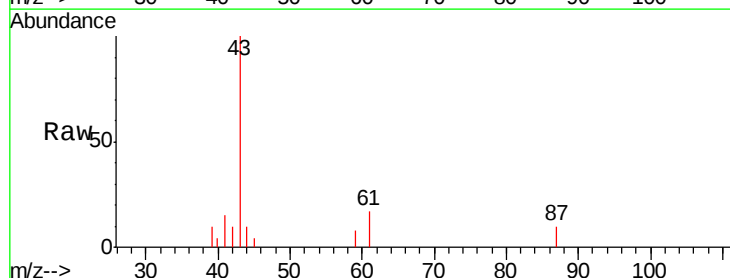
Manual Integrations
 APPROVED

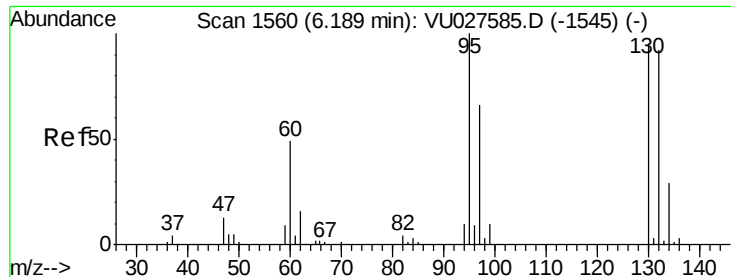
MMDadoda
 10/16/2018 2:22:44 PM



#43
 Isopropyl Acetate
 Concen: 1.93 ug/l
 RT: 5.56 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	8025		
61	17.2	15.3	22.9	
87	8.4	8.6	13.0	





#44

Trichloroethene

Concen: 2.08 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:130 Resp: 2769

Ion Ratio Lower Upper

130 100

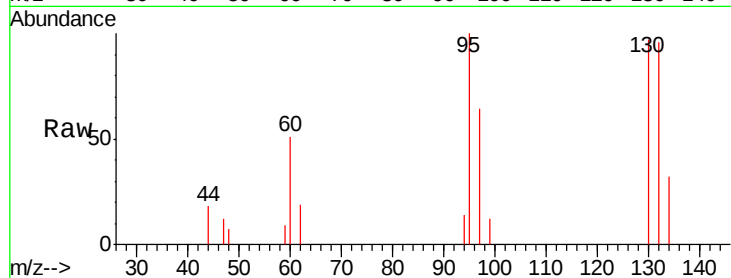
95 103.0 0.0 207.0

Manual Integrations

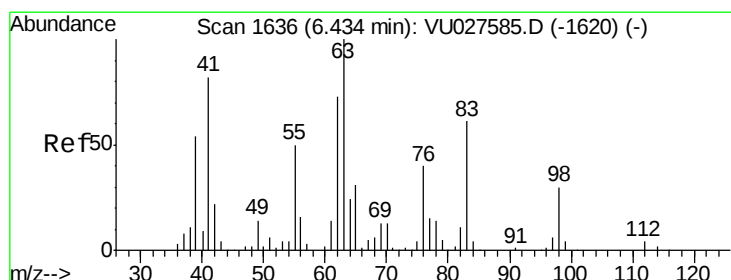
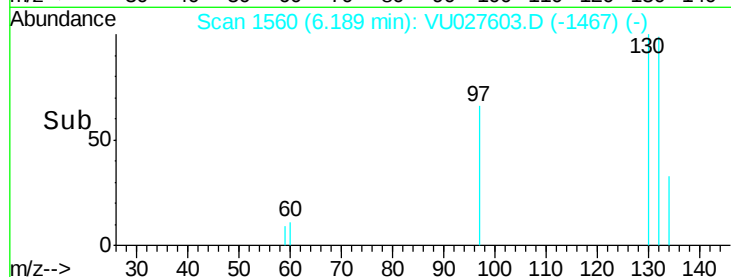
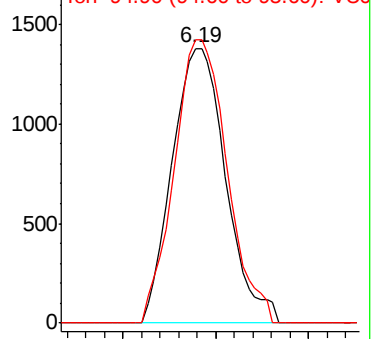
APPROVED

MMDadoda

10/16/2018 2:22:44 PM



Abundance Ion 129.80 (129.50 to 130.50): VU027603.D (-1467) (-)



#45

1,2-Dichloropropane

Concen: 2.11 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027603.D

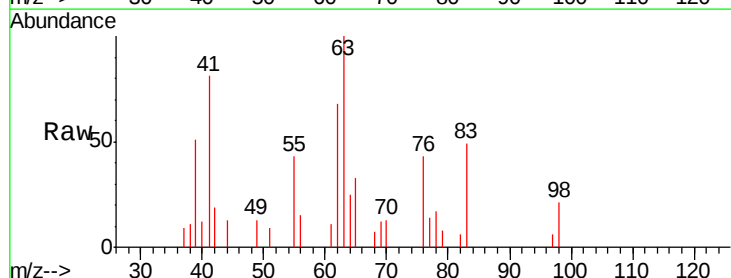
Acq: 11 Oct 2018 16:54

Tgt Ion: 63 Resp: 3628

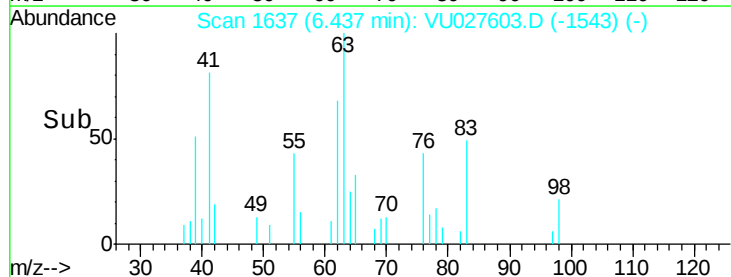
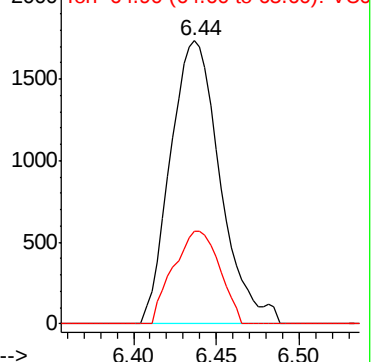
Ion Ratio Lower Upper

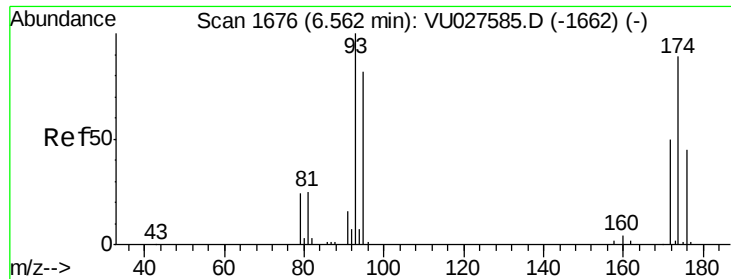
63 100

65 32.8 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU027603.D (-1543) (-)





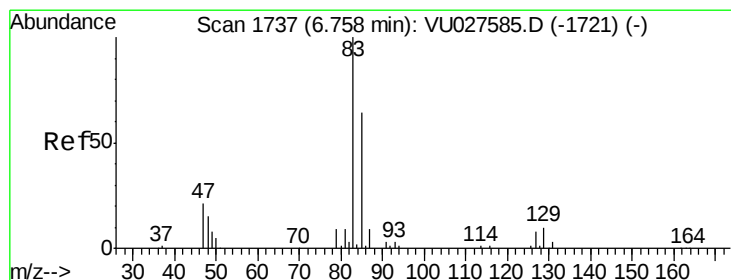
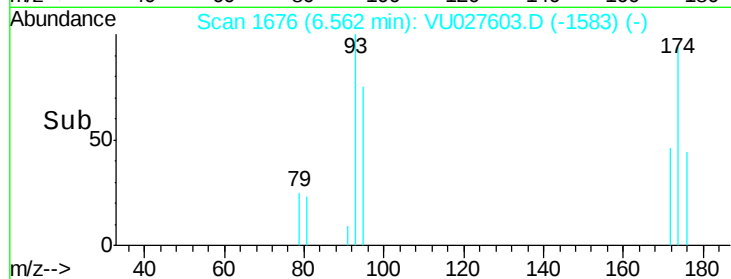
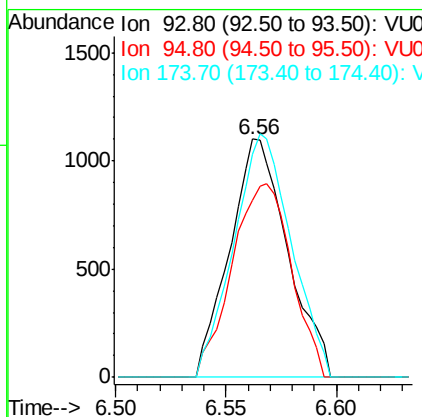
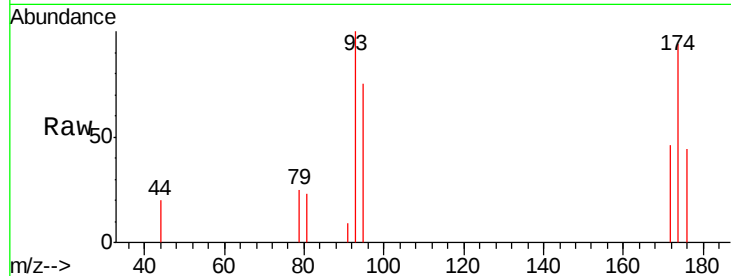
#46
Dibromomethane
Concen: 1.99 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.5	99.7
174	101.5	72.5	108.7

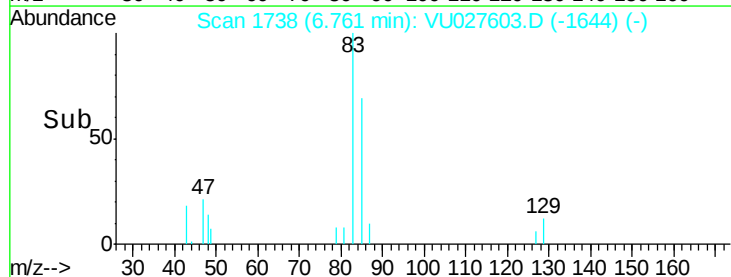
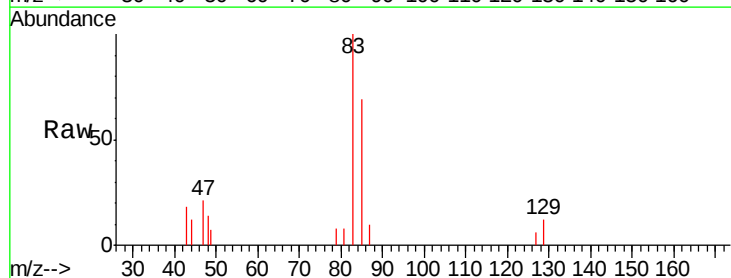
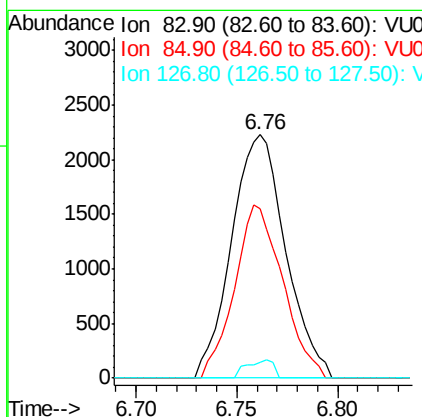
Manual Integrations
APPROVED

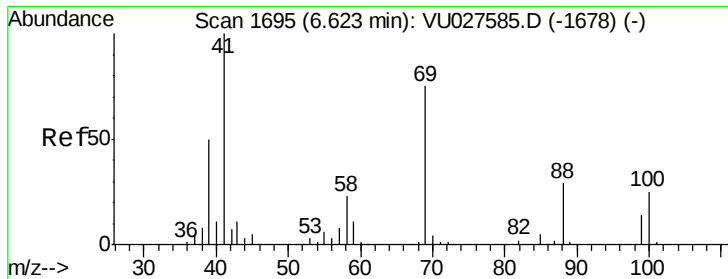
MMDadoda
10/16/2018 2:22:44 PM



#47
Bromodichloromethane
Concen: 2.05 ug/l
RT: 6.76 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	51.4	77.0
127	6.4	6.3	9.5





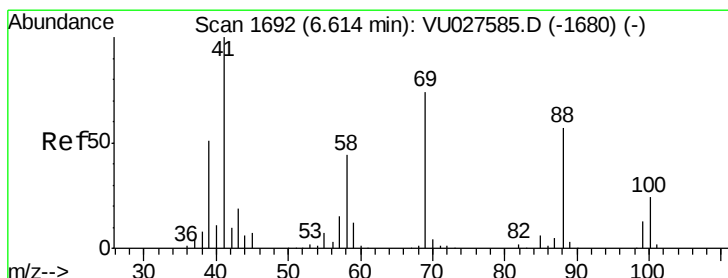
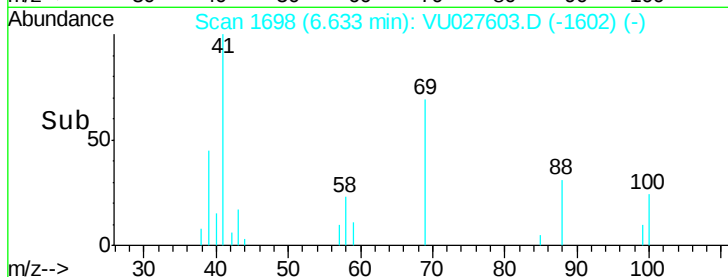
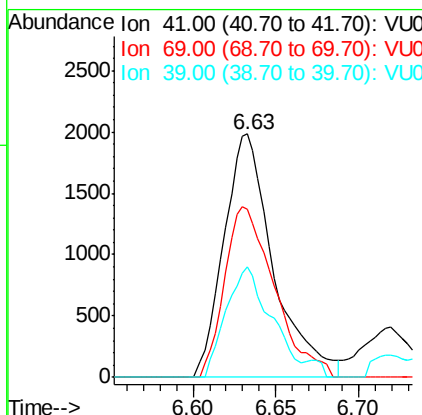
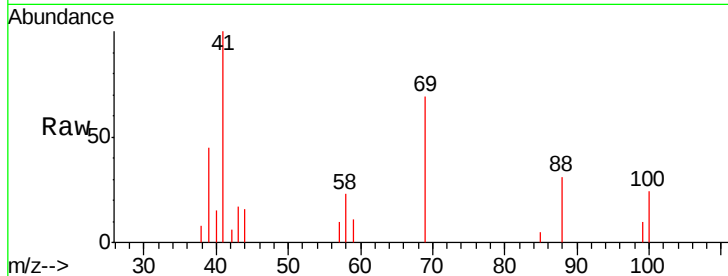
#48
Methyl methacrylate
Concen: 3.24 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.7	61.0	91.4
39	41.7	39.9	59.9

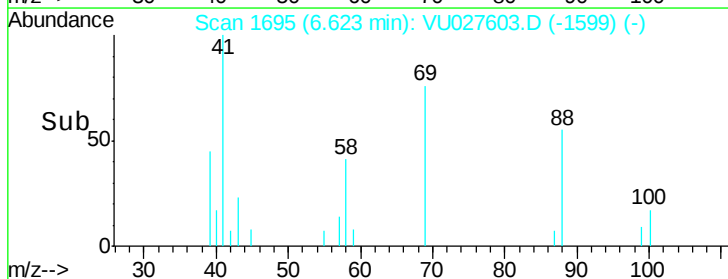
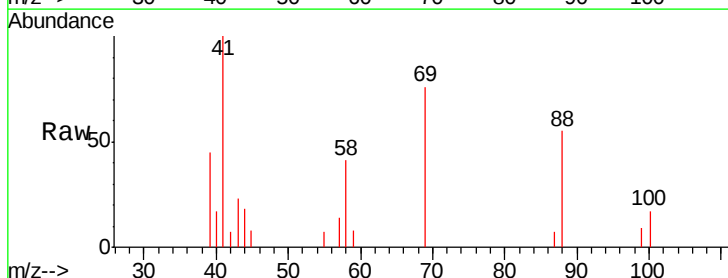
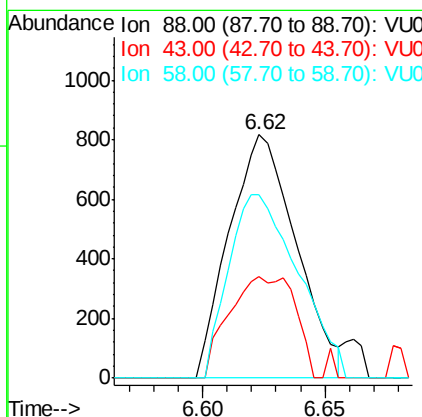
Manual Integrations
APPROVED

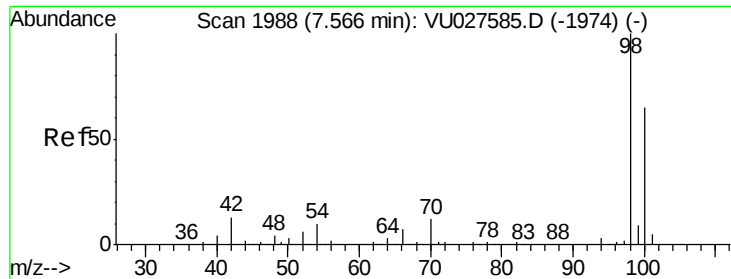
MMDadoda
10/16/2018 2:22:44 PM



#49
1,4-Dioxane
Concen: 39.10 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.5	30.8	46.2
58	78.3	67.0	100.6





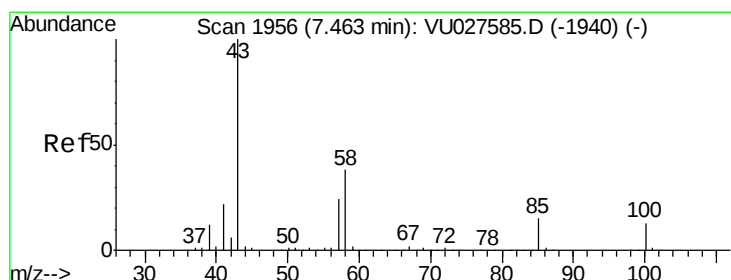
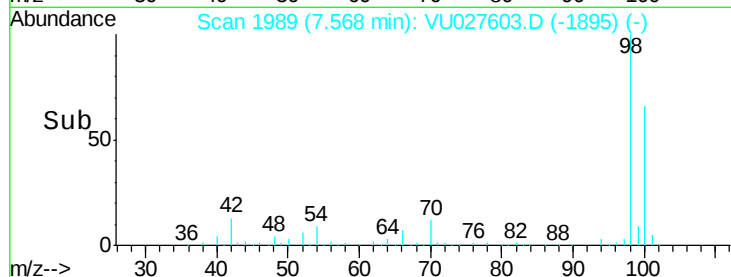
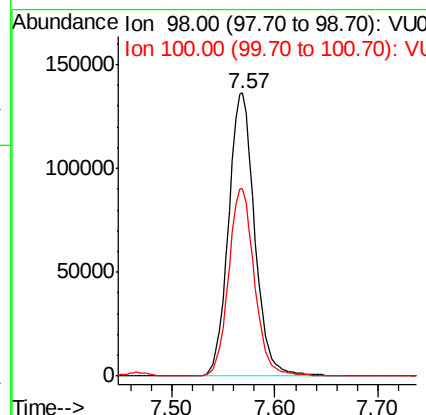
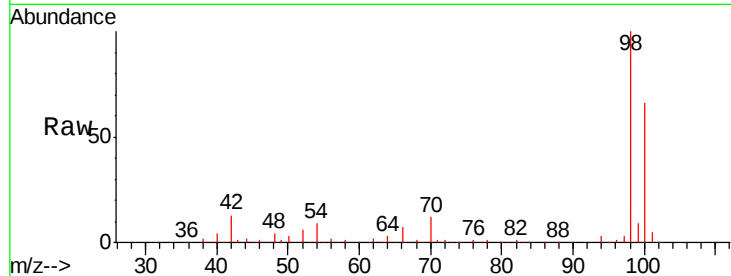
#50
Toluene-d8
Concen: 48.66 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 98 Resp: 241133
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

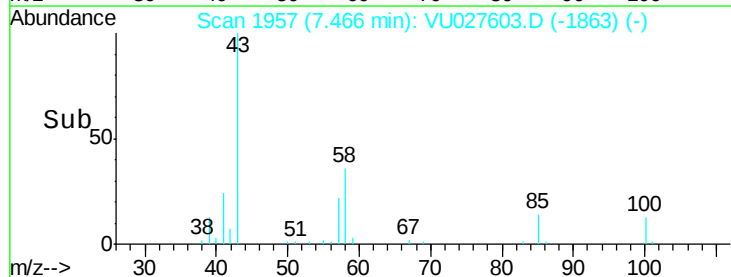
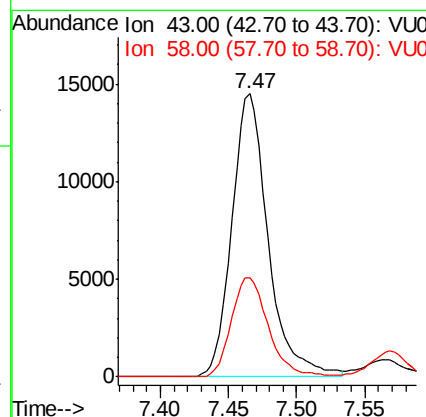
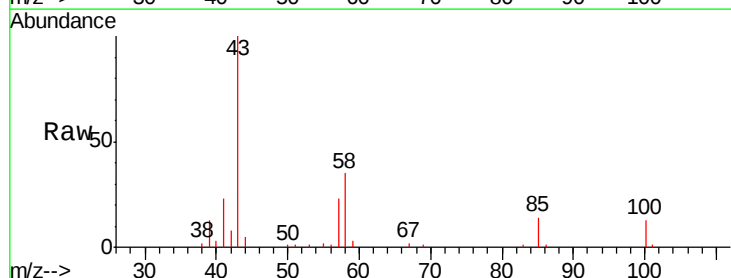
Manual Integrations
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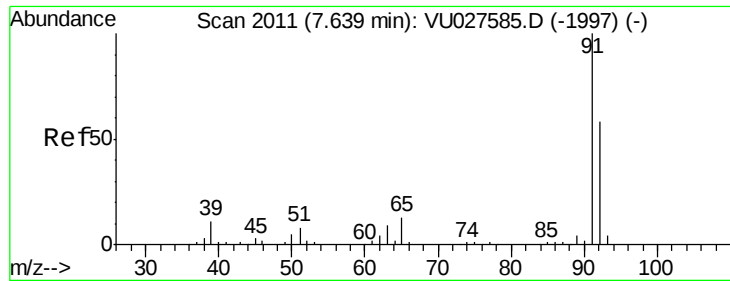
MMDadoda
10/16/2018 2:22:44 PM



#51
4-Methyl-2-Pentanone
Concen: 9.61 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 43 Resp: 26815
Ion Ratio Lower Upper
43 100
58 36.0 29.8 44.8





#52

Toluene

Concen: 2.12 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 92 Resp: 7313

Ion Ratio Lower Upper

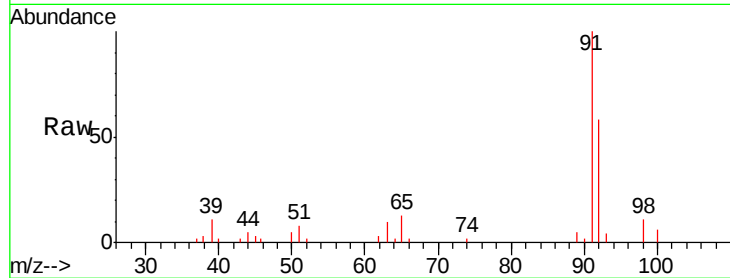
92 100

91 170.3 138.6 208.0

Manual Integrations
APPROVED

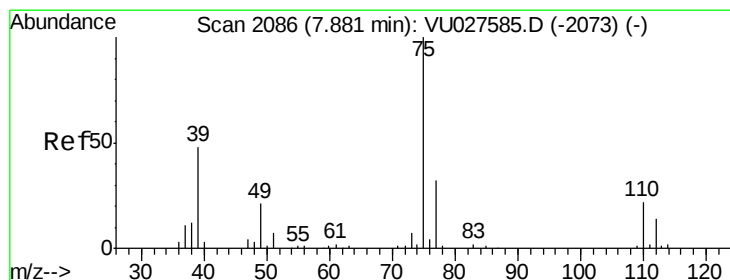
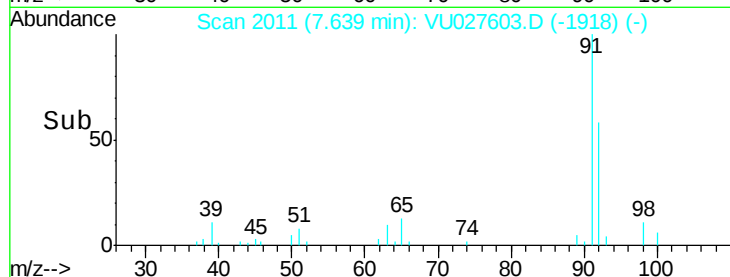
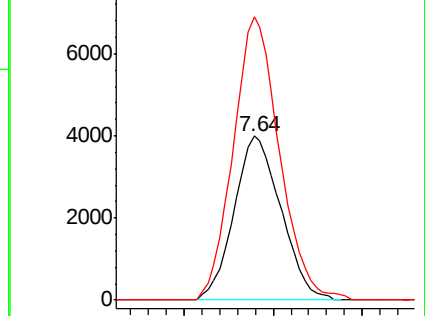
MMDadoda

10/16/2018 2:22:44 PM



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: 1.84 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027603.D

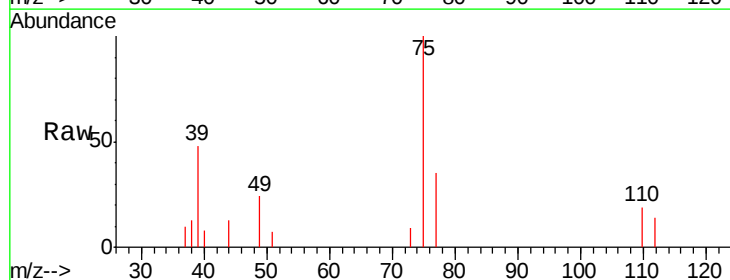
Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 4255

Ion Ratio Lower Upper

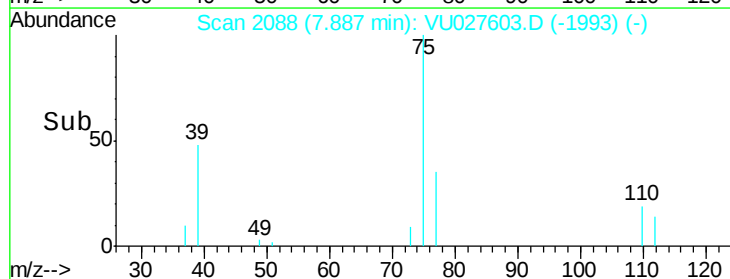
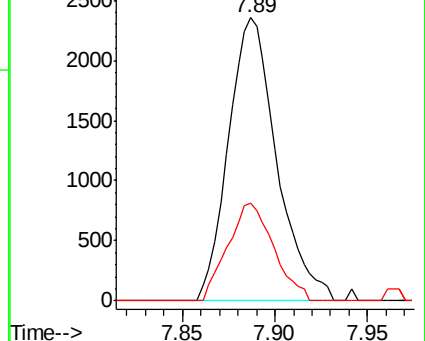
75 100

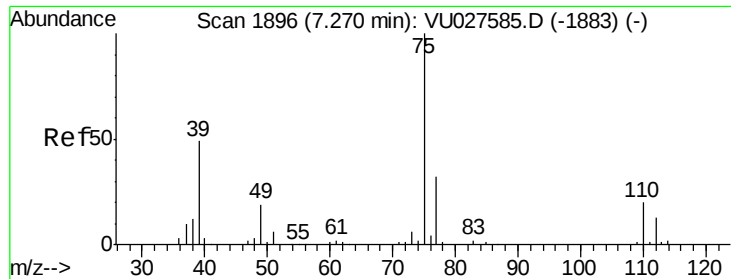
77 34.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VU027585.D (-2073) (-)

Ion 76.90 (76.60 to 77.60): VU027585.D (-2073) (-)





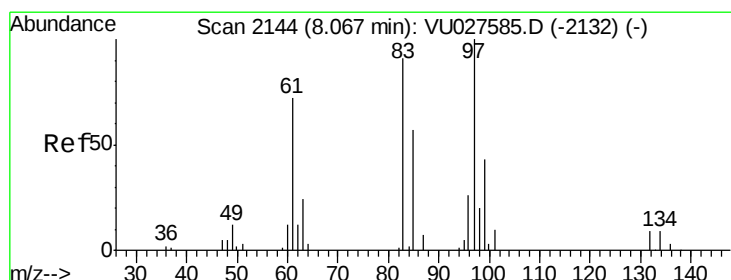
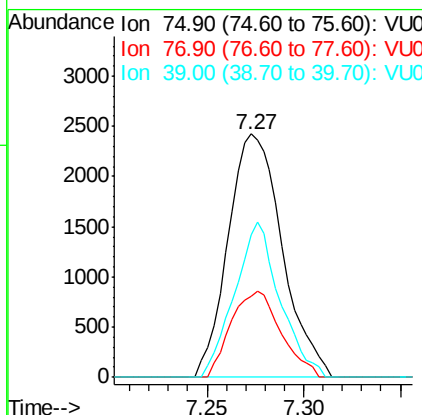
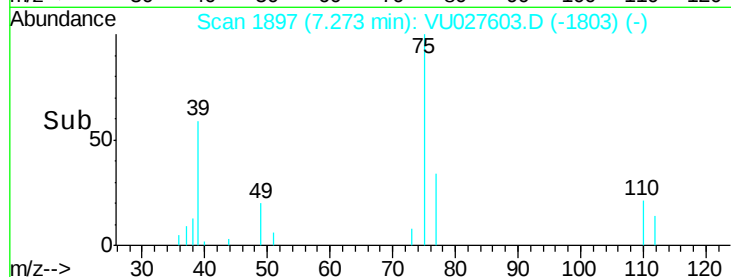
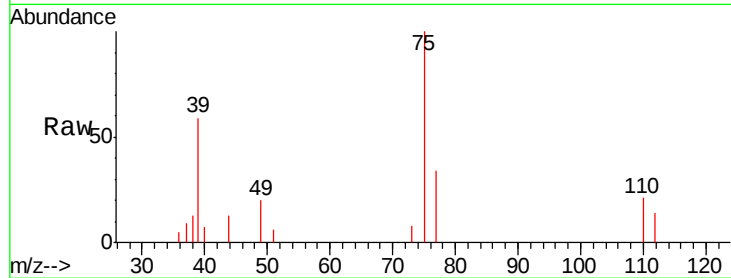
#54
 cis-1,3-Dichloropropene
 Concen: 1.87 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.5	36.7
39	58.5	40.1	60.1

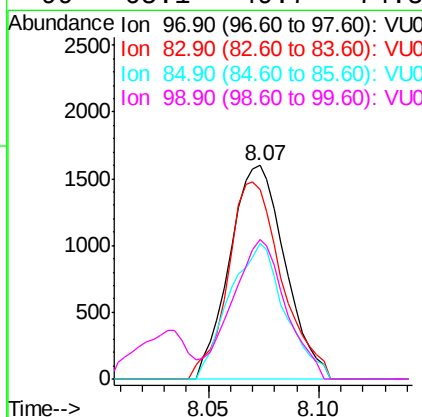
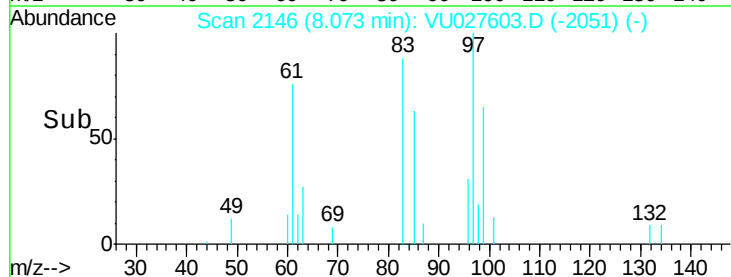
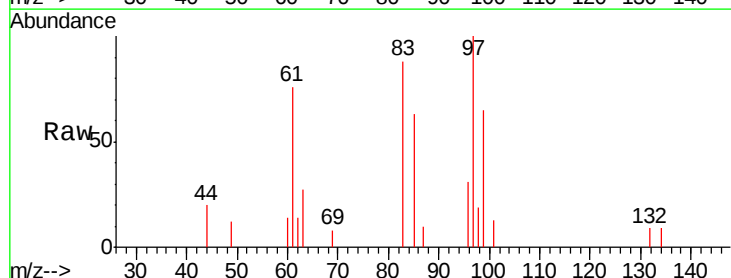
Manual Integrations
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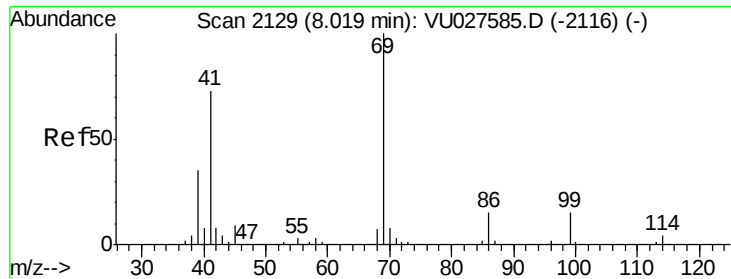
MMDadoda
 10/16/2018 2:22:44 PM



#55
 1,1,2-Trichloroethane
 Concen: 1.95 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.0	109.6
85	63.4	47.3	70.9
99	65.1	49.7	74.5





#56

Ethyl methacrylate

Concen: 3.72 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

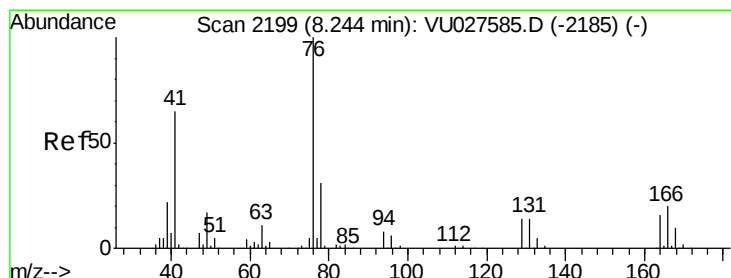
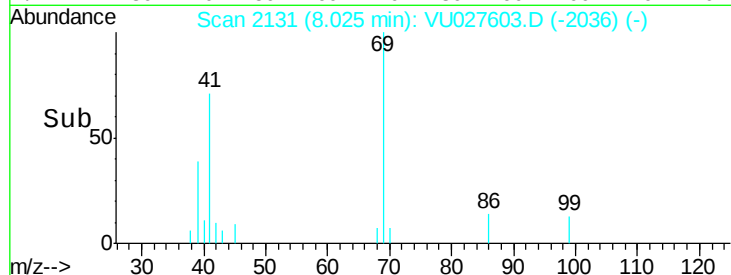
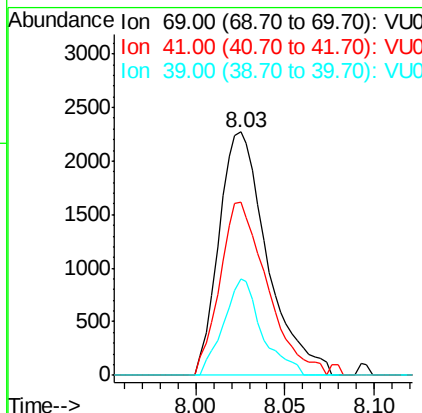
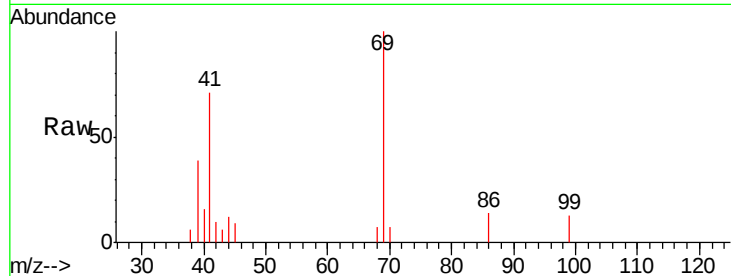
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	69	Resp:	4255
Ion	Ratio	Lower	Upper
69	100		
41	69.8	60.0	90.0
39	31.6	29.5	44.3

Manual Integrations
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MMDadoda
10/16/2018 2:22:44 PM



#57

1,3-Dichloropropane

Concen: 2.08 ug/l

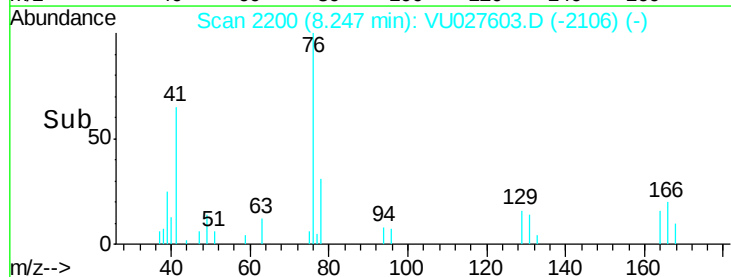
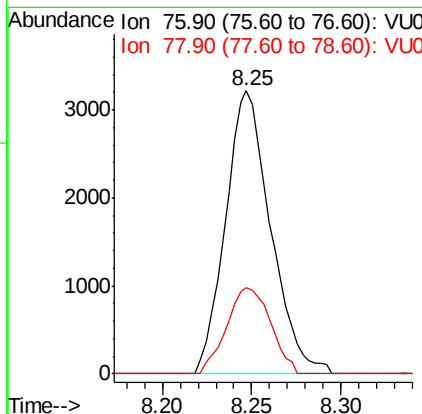
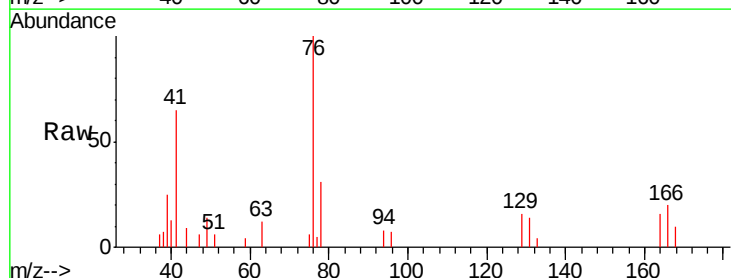
RT: 8.25 min Scan# 2200

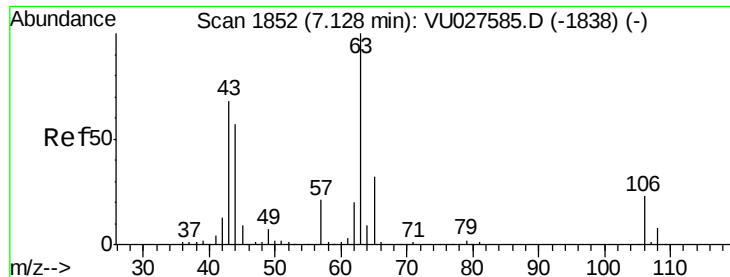
Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	76	Resp:	5631
Ion	Ratio	Lower	Upper
76	100		
78	29.9	25.8	38.6





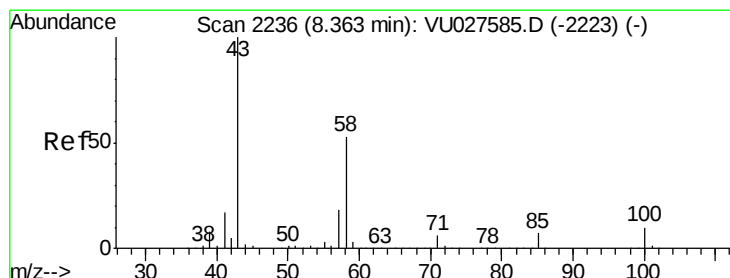
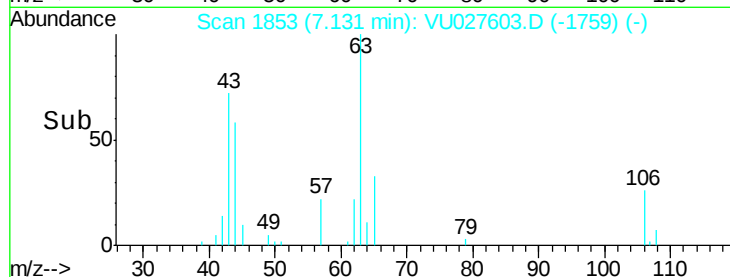
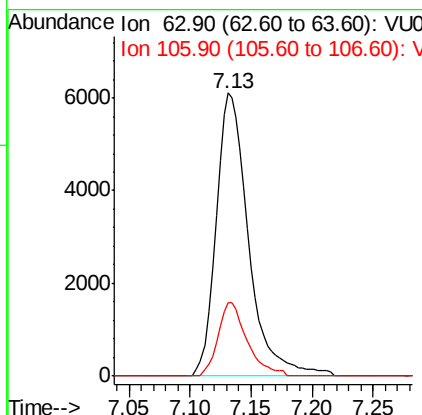
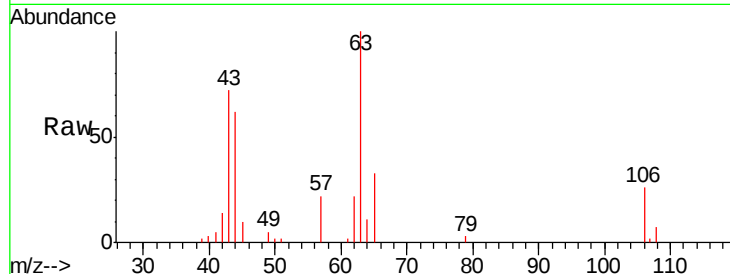
#58
2-Chloroethyl Vinyl ether
Concen: 13.17 ug/l
RT: 7.13 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 63 Resp: 11382
Ion Ratio Lower Upper
63 100
106 23.4 18.5 27.7

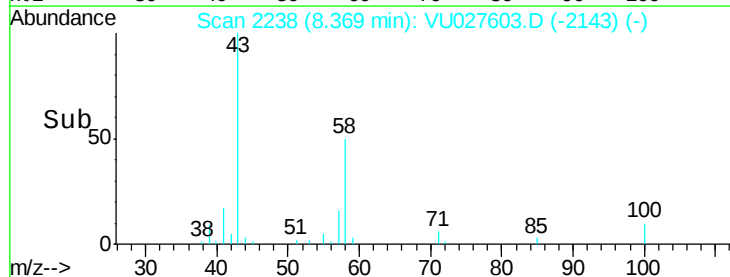
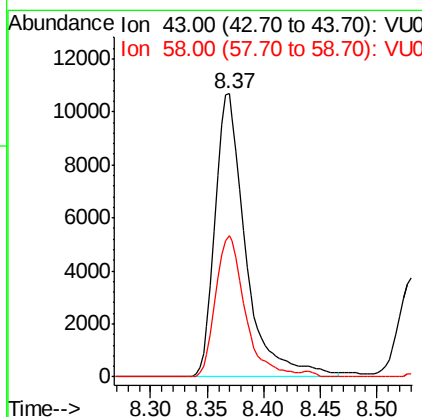
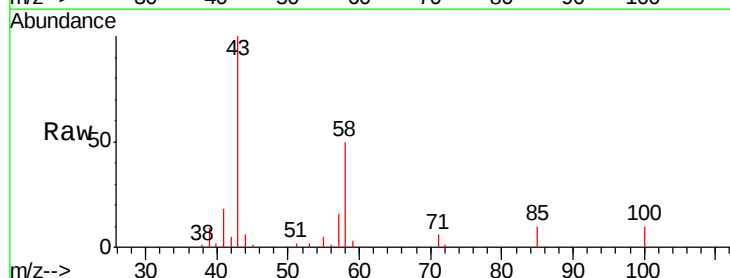
Manual Integrations
APPROVED

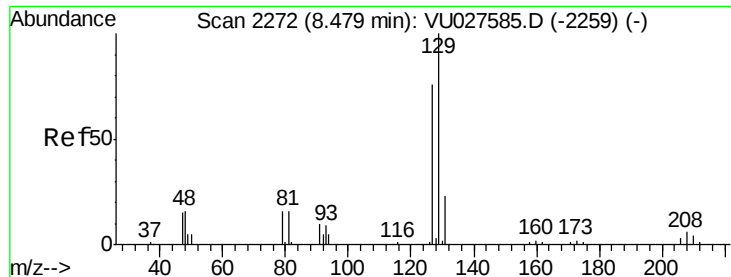
MMDadoda
10/16/2018 2:22:44 PM



#59
2-Hexanone
Concen: 9.29 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 43 Resp: 20209
Ion Ratio Lower Upper
43 100
58 47.7 26.1 78.3





#60

Dibromochloromethane

Concen: 1.89 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:129 Resp: 2698

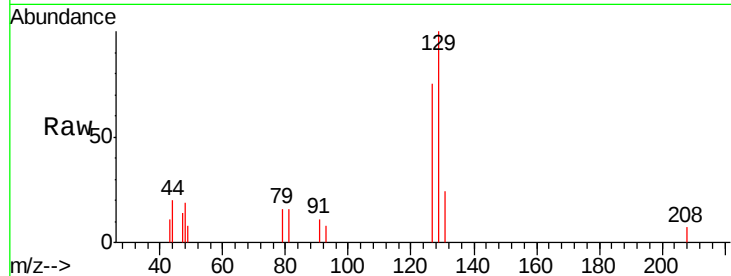
Ion Ratio Lower Upper

129 100

127 80.2 39.1 117.2

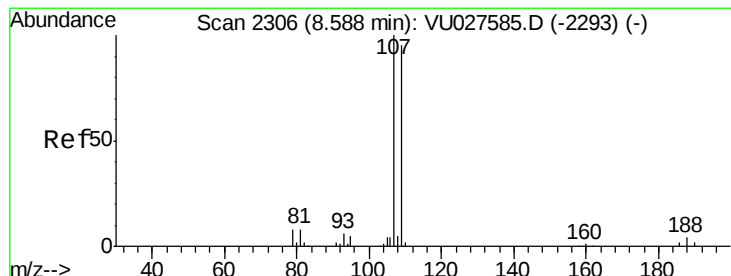
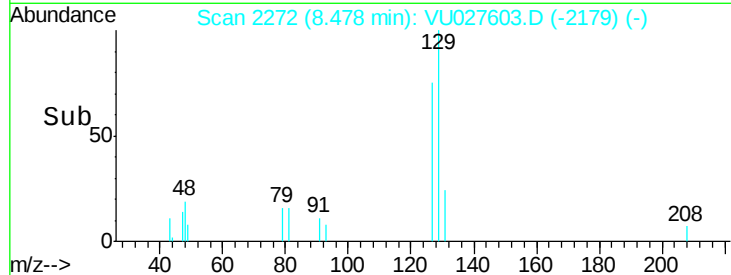
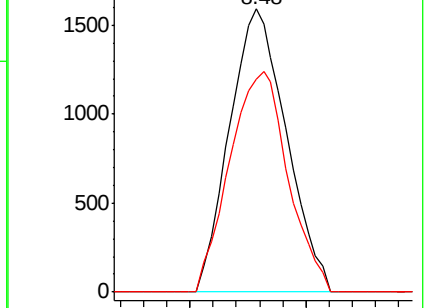
Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.98 ug/l

RT: 8.59 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VU027603.D

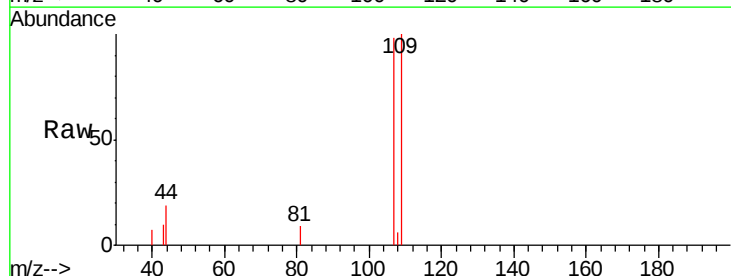
Acq: 11 Oct 2018 16:54

Tgt Ion:107 Resp: 2971

Ion Ratio Lower Upper

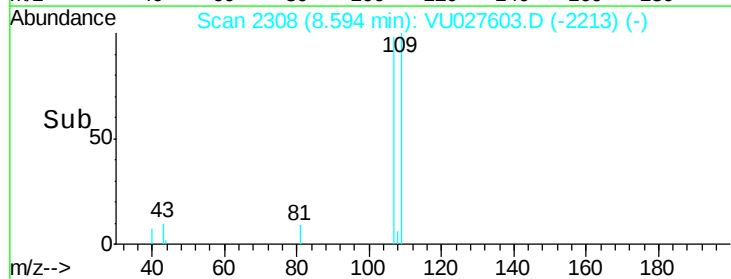
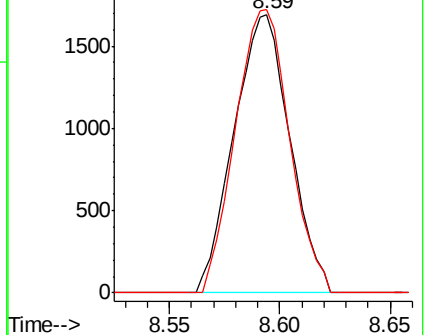
107 100

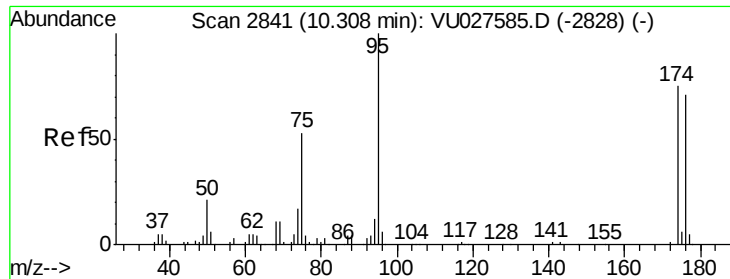
109 98.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





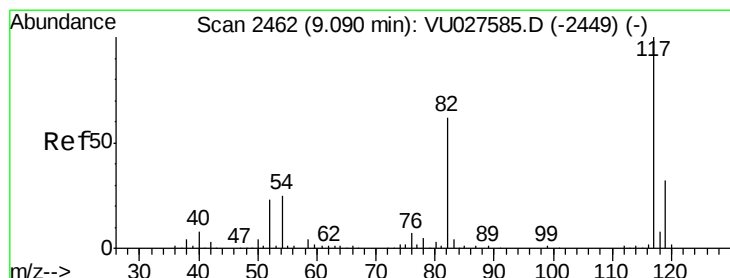
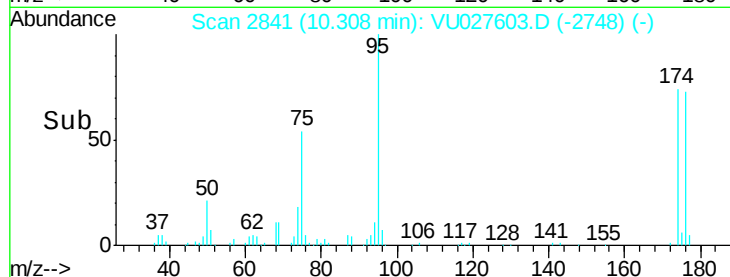
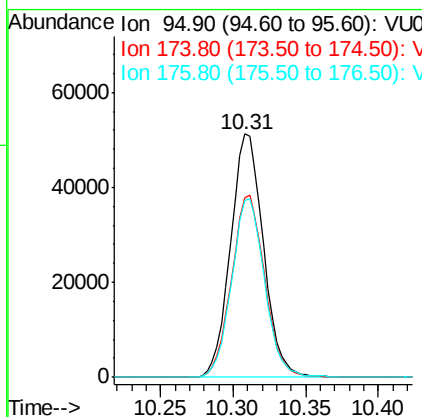
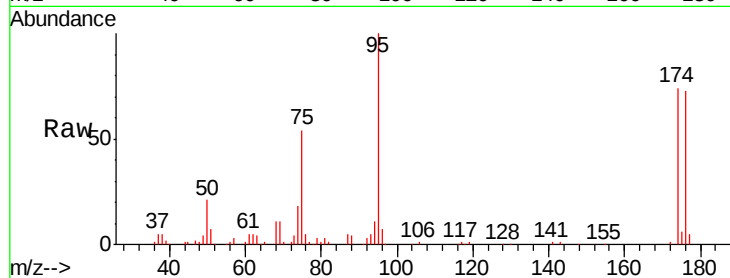
#62
4-Bromofluorobenzene
Concen: 45.03 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 95 Resp: 80487
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.8
176 73.7 0.0 140.8

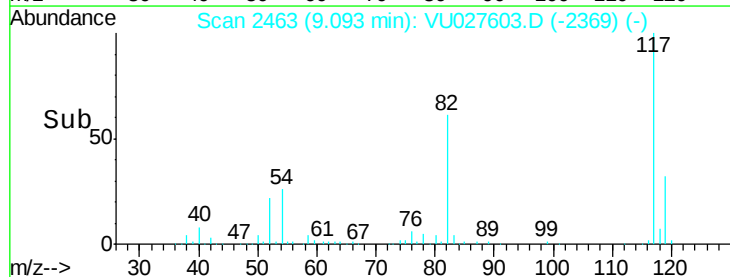
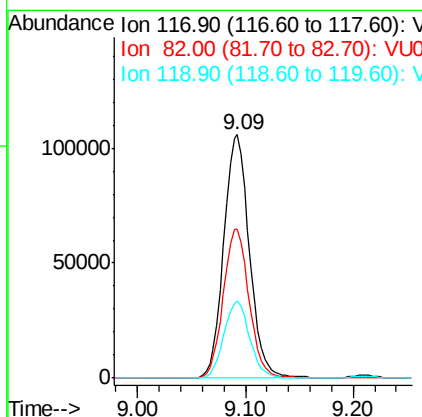
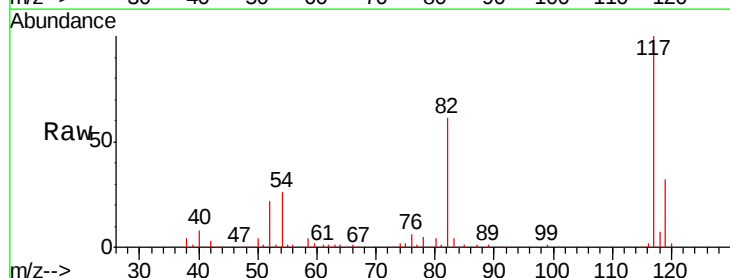
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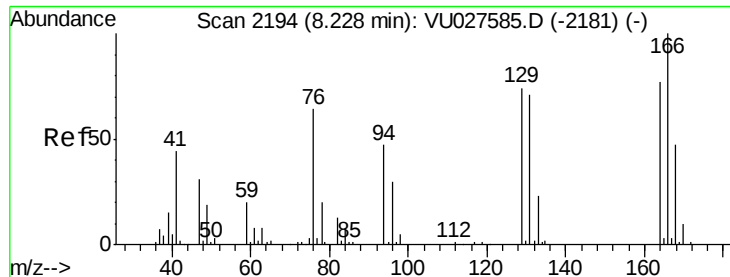
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 117 Resp: 175393
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 31.8 25.7 38.5





#64

Tetrachloroethene

Concen: 2.32 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:164 Resp: 2531

Ion Ratio Lower Upper

164 100

166 127.5 101.0 151.6

129 86.3 78.0 117.0

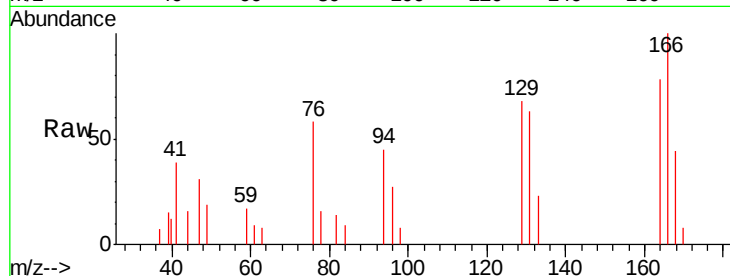
131 80.8 72.6 109.0

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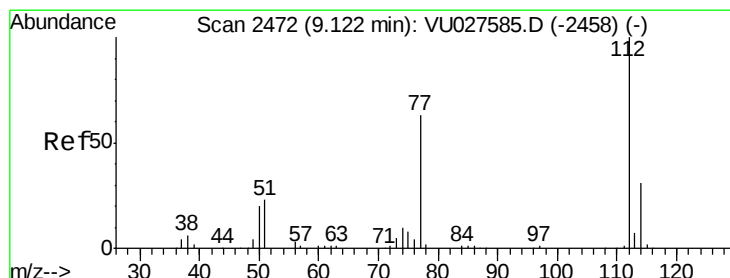
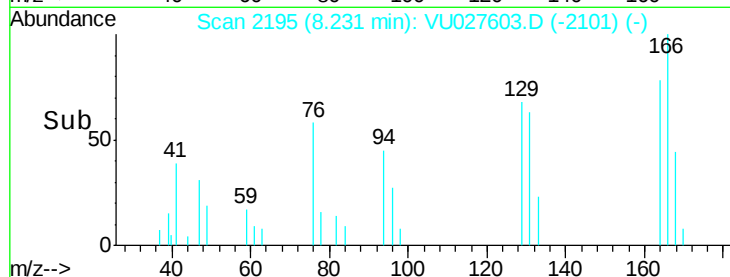
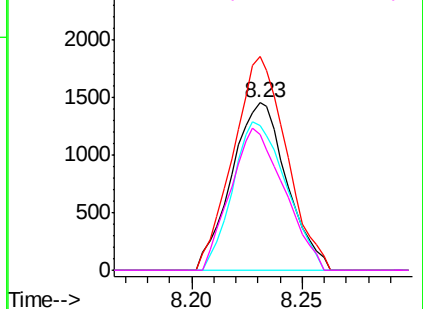


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.05 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU027603.D

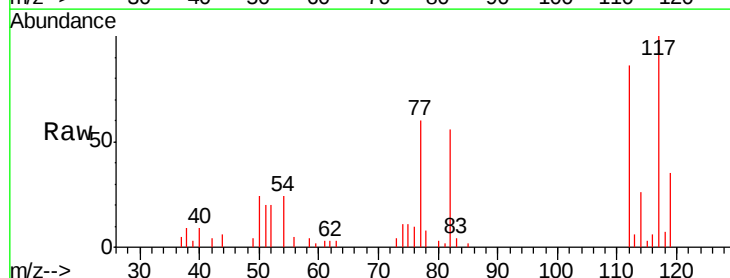
Acq: 11 Oct 2018 16:54

Tgt Ion:112 Resp: 7457

Ion Ratio Lower Upper

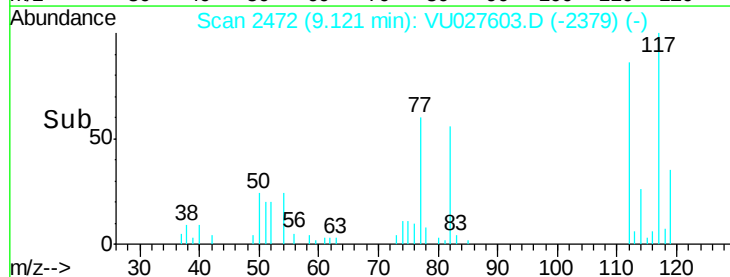
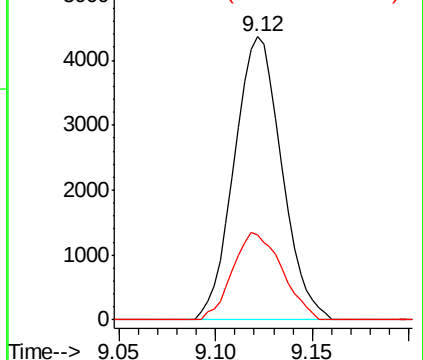
112 100

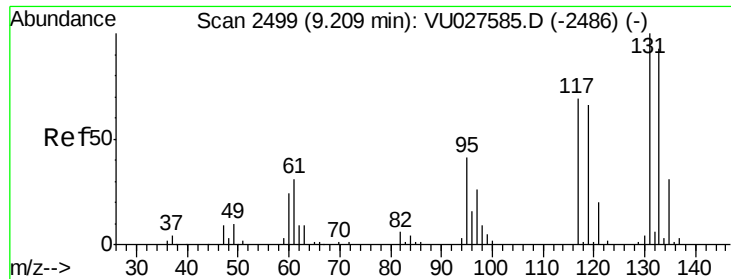
114 29.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





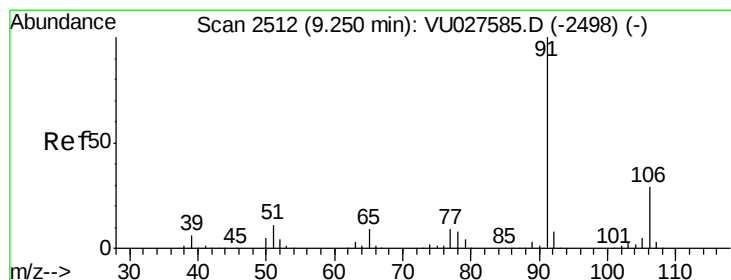
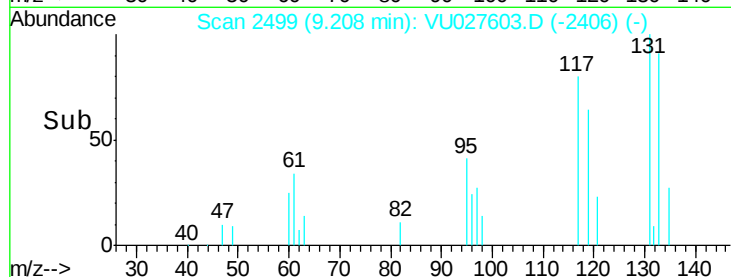
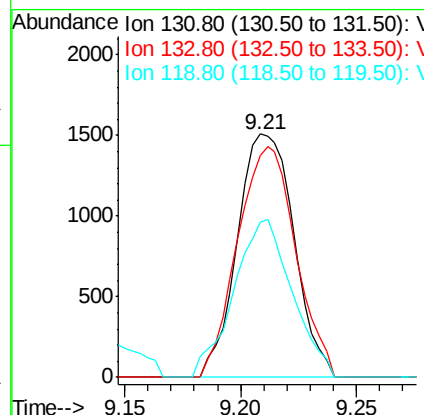
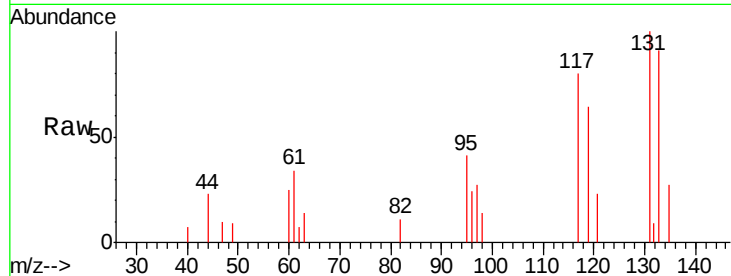
#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.05 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 131 Resp: 2555
 Ion Ratio Lower Upper
 131 100
 133 97.8 48.5 145.6
 119 67.1 33.5 100.4

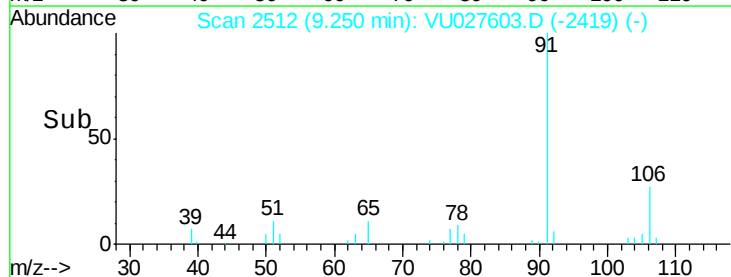
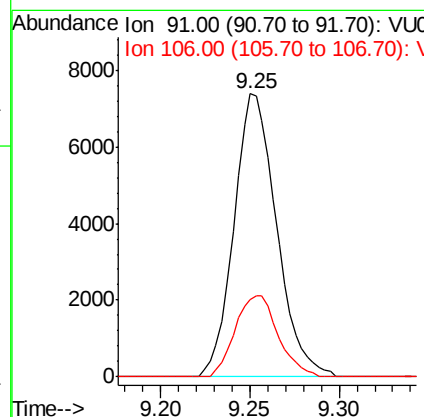
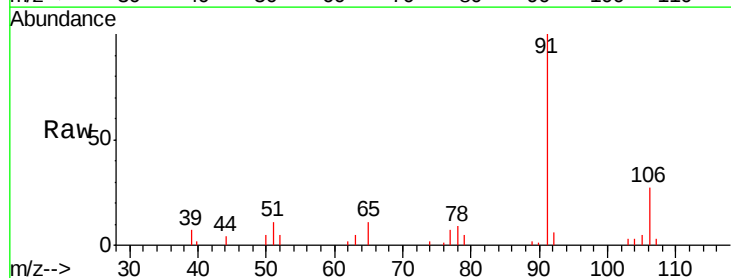
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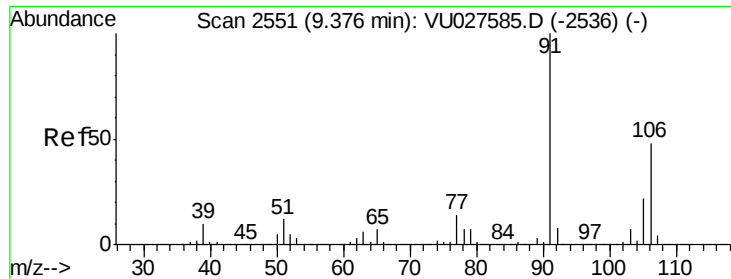
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#67
 Ethyl Benzene
 Concen: 1.96 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 91 Resp: 12249
 Ion Ratio Lower Upper
 91 100
 106 27.5 23.6 35.4





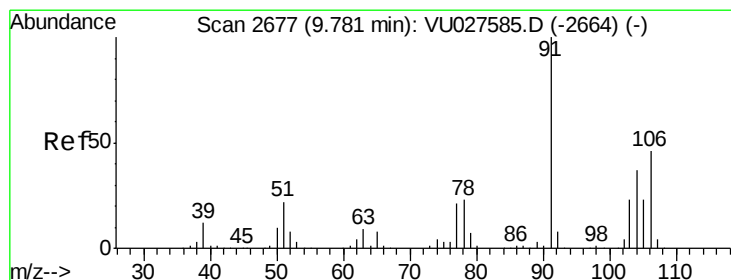
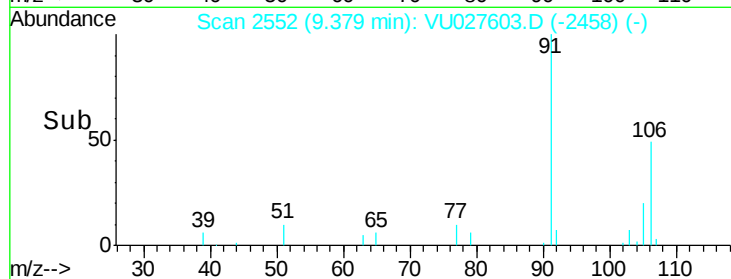
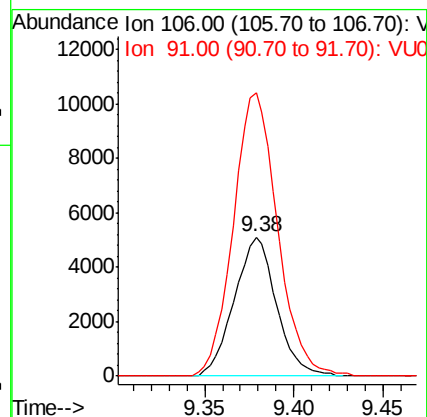
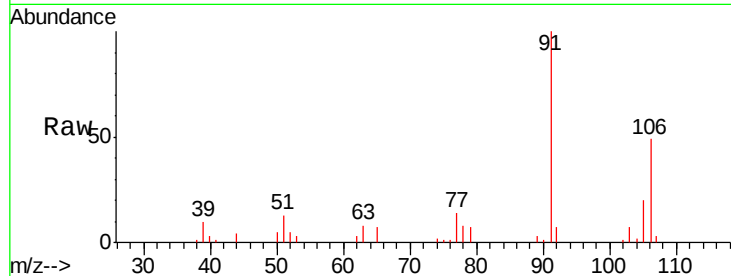
#68
m/p-Xylenes
Concen: 3.67 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:106 Resp: 8370
Ion Ratio Lower Upper
106 100
91 213.7 168.1 252.1

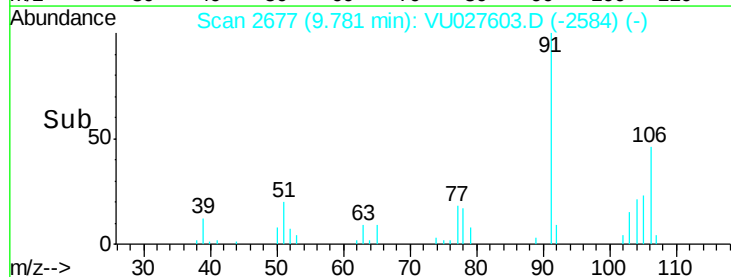
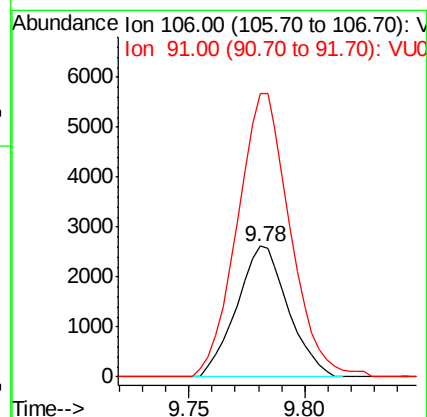
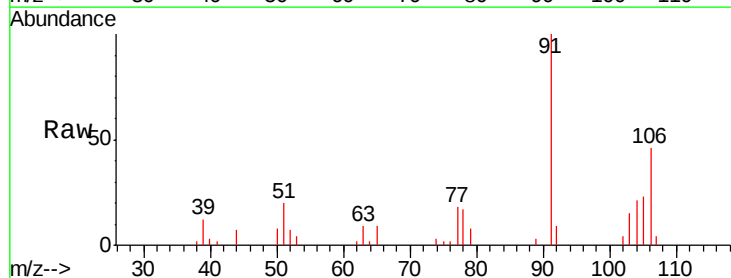
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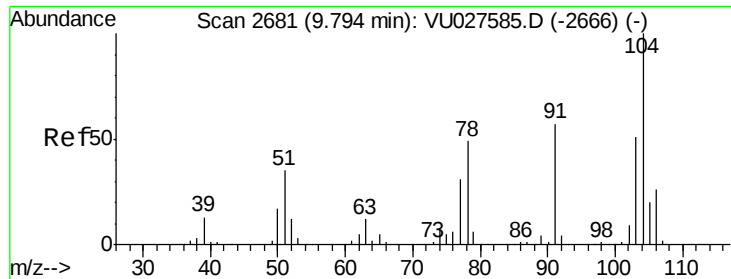
MMDadoda
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#69
o-Xylene
Concen: 1.82 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:106 Resp: 4030
Ion Ratio Lower Upper
106 100
91 223.0 111.7 334.9





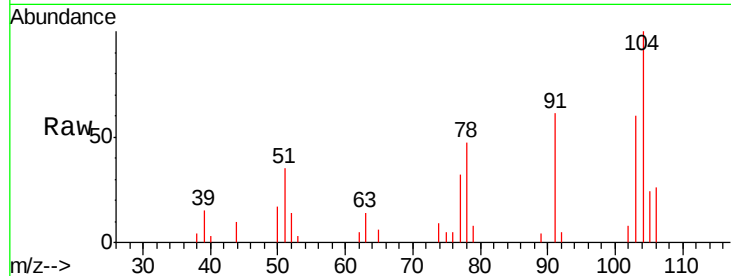
#70
Styrene
Concen: 2.69 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

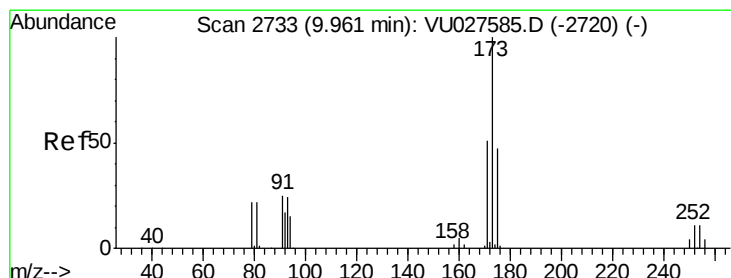
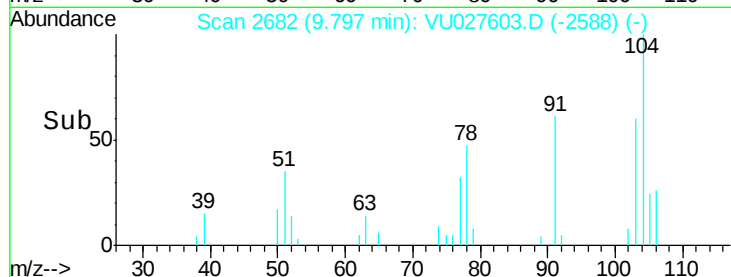
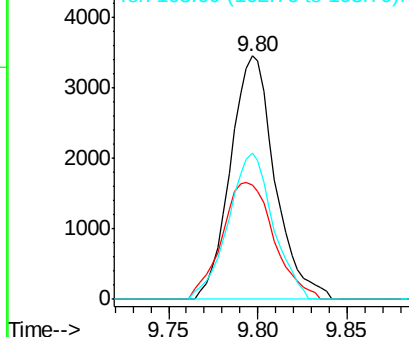
Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.1	42.9	64.3
103	60.2	43.9	65.9

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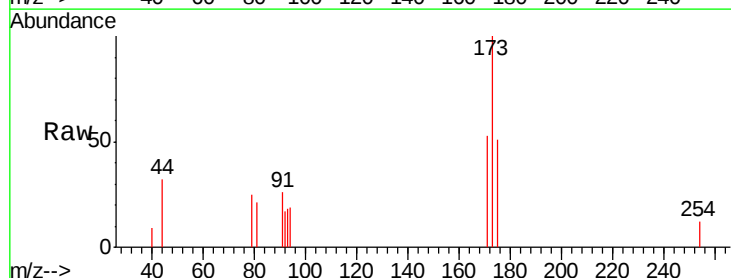


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

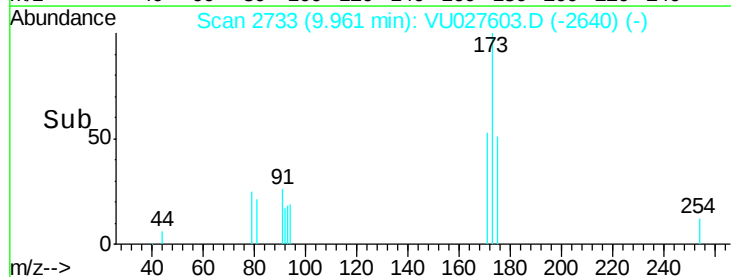
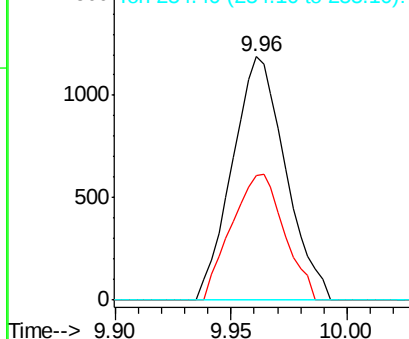


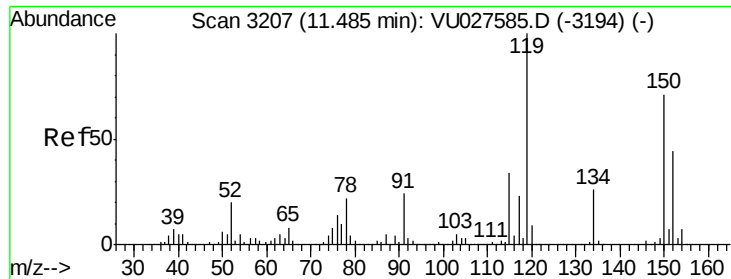
#71
Bromoform
Concen: 1.84 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.3	73.0
254	0.0	0.0	0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

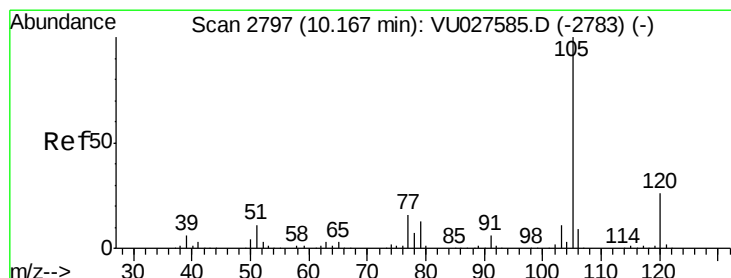
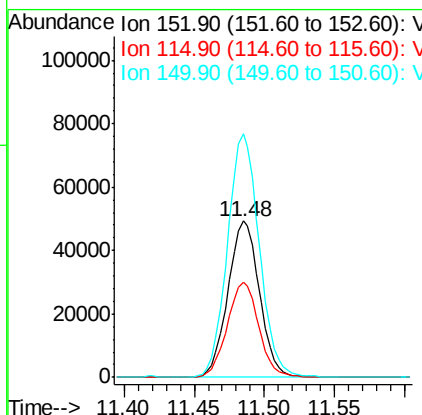
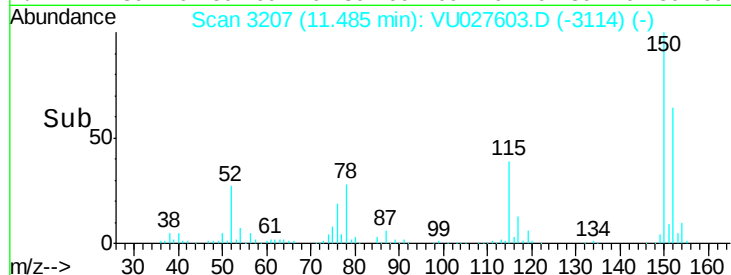
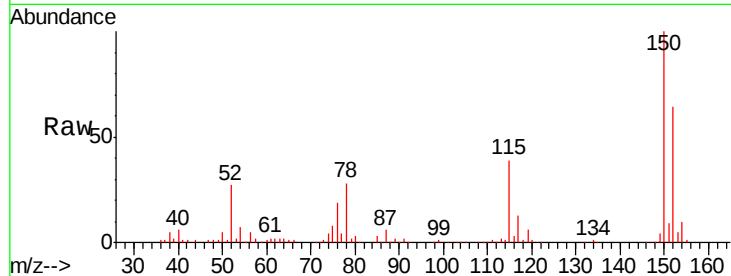
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:152 Resp: 77416
 Ion Ratio Lower Upper
 152 100
 115 60.7 43.4 130.2
 150 156.9 0.0 349.2

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#73

Isopropylbenzene

Concen: 2.03 ug/l

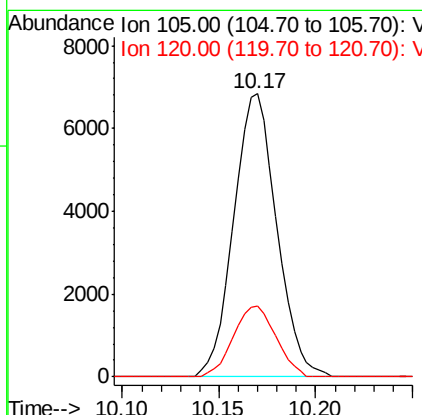
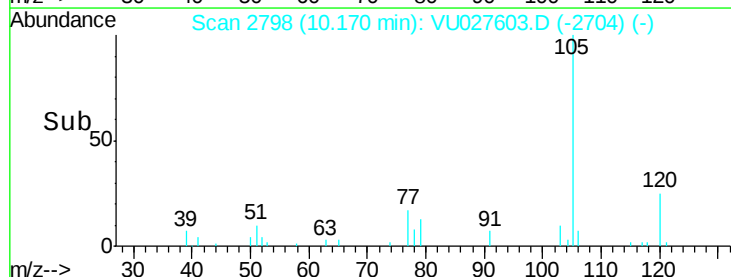
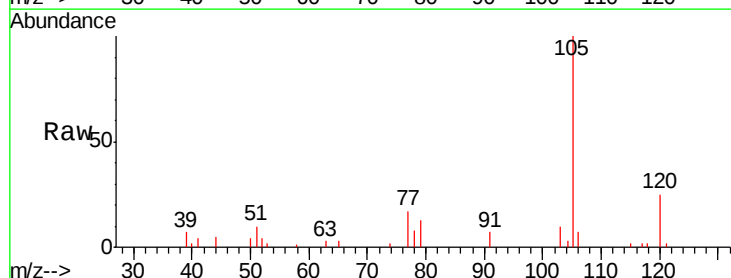
RT: 10.17 min Scan# 2798

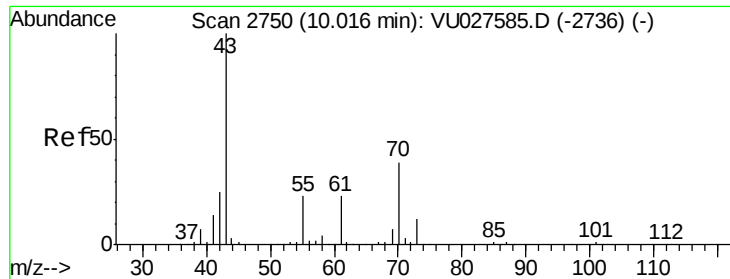
Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:105 Resp: 10584
 Ion Ratio Lower Upper
 105 100
 120 24.8 12.6 37.8





#74

N-ethyl acetate

Concen: 1.82 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

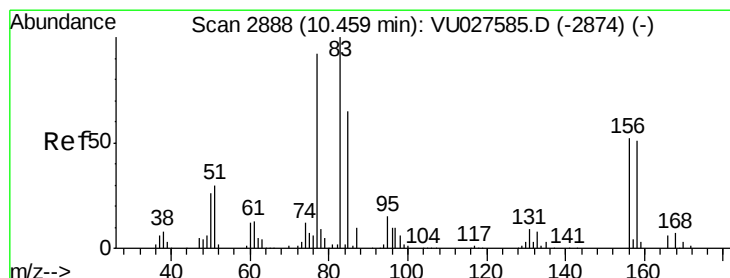
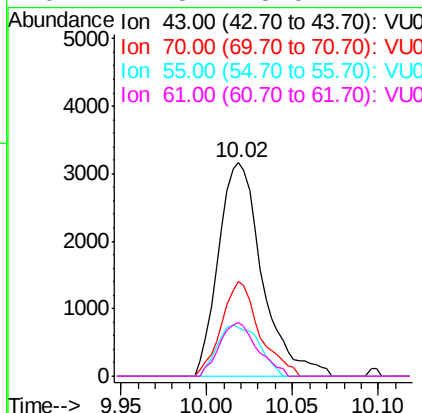
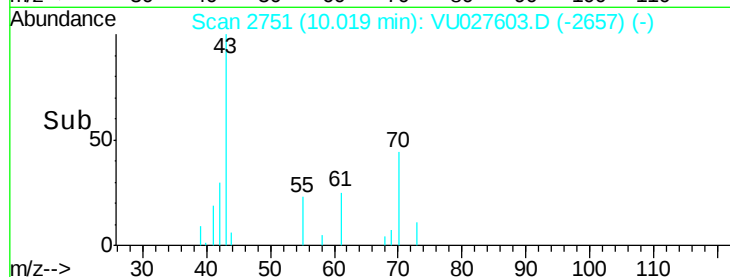
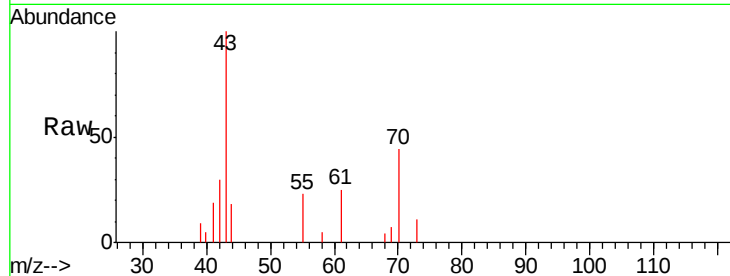
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	43	Resp:	5601
Ion	Ratio	Lower	Upper
43	100		
70	38.4	31.3	46.9
55	22.8	19.0	28.6
61	21.8	18.5	27.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 2.30 ug/l

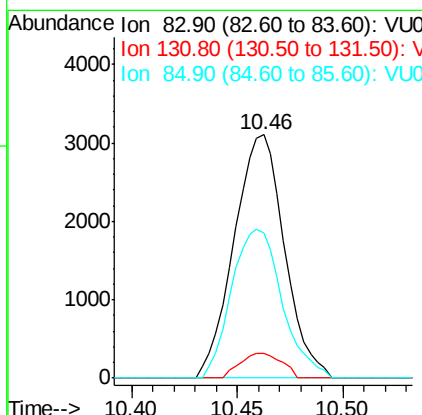
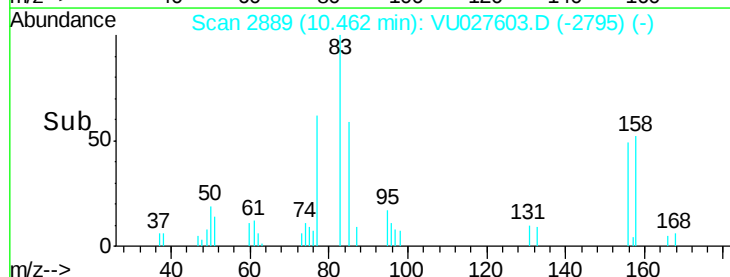
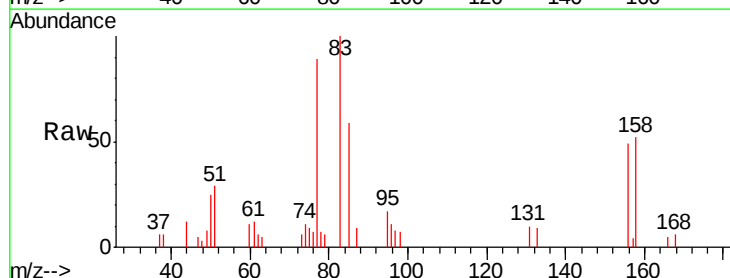
RT: 10.46 min Scan# 2889

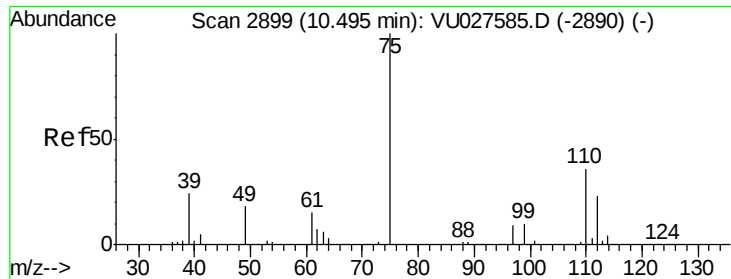
Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	83	Resp:	5161
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.4	13.2
85	61.2	32.0	96.0





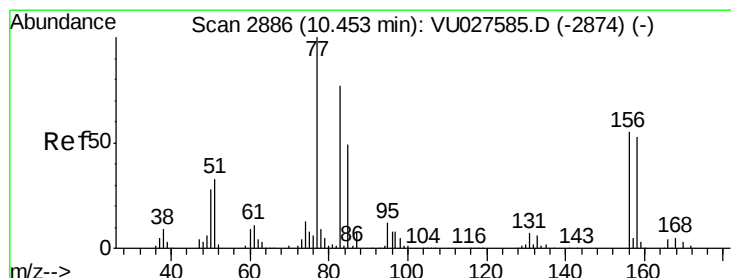
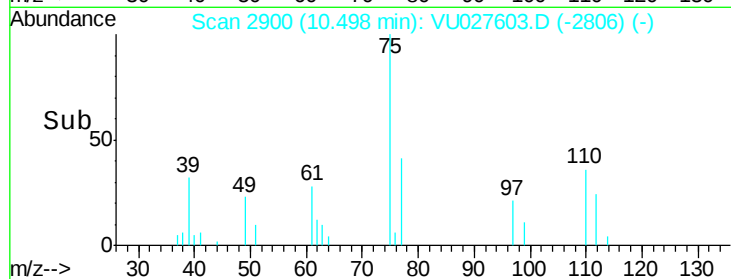
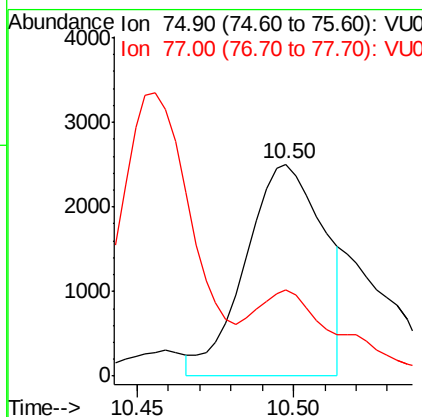
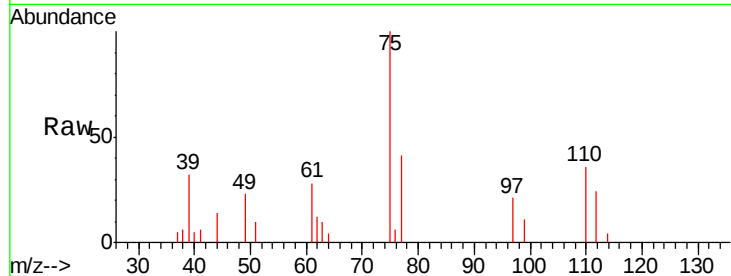
#76
1,2,3-Trichloropropane
Concen: 1.96 ug/l m
RT: 10.50 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 75 Resp: 4345
Ion Ratio Lower Upper
75 100
77 45.4 20.3 60.9

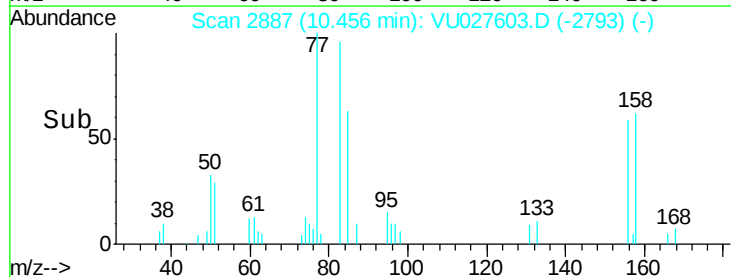
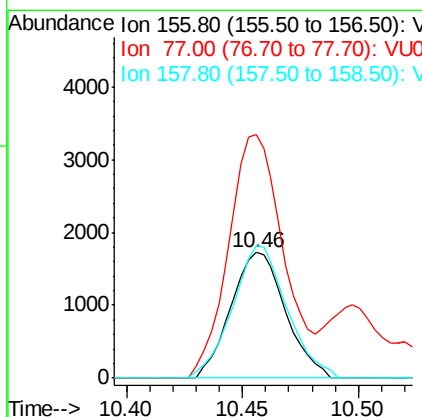
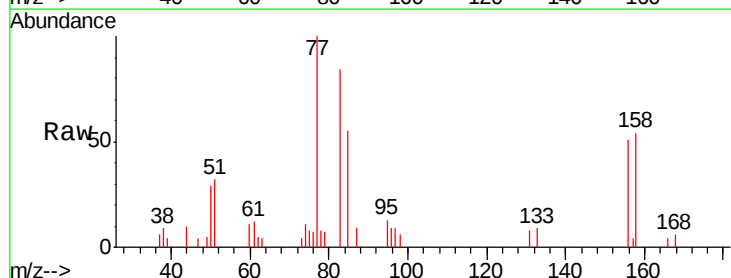
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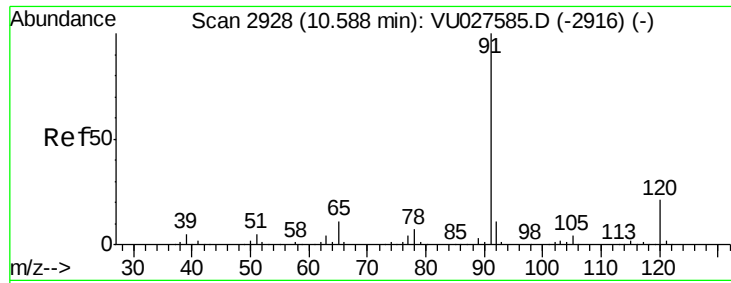
MMDadoda
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#77
Bromobenzene
Concen: 2.21 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 156 Resp: 2817
Ion Ratio Lower Upper
156 100
77 195.3 94.8 284.4
158 105.6 47.4 142.3





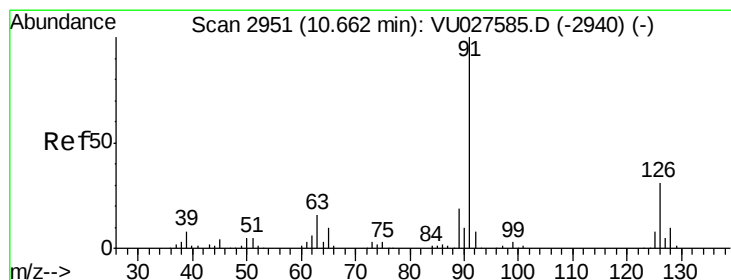
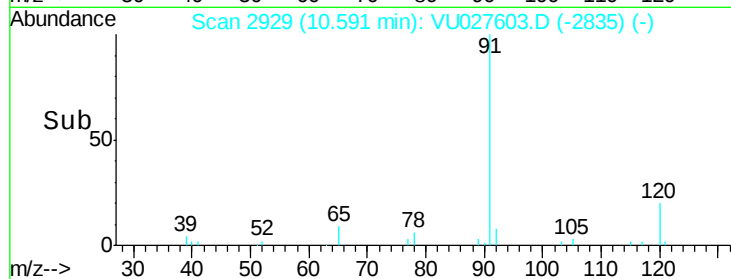
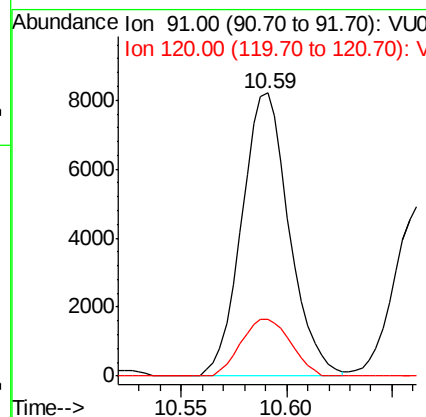
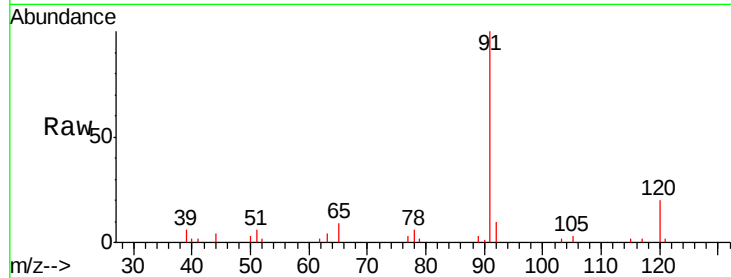
#78
n-propylbenzene
Concen: 2.03 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 12851
Ion Ratio Lower Upper
91 100
120 20.9 10.6 31.8

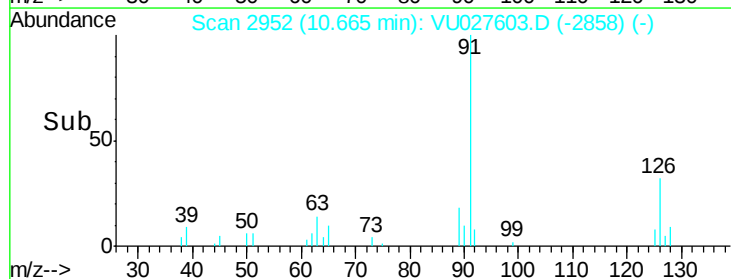
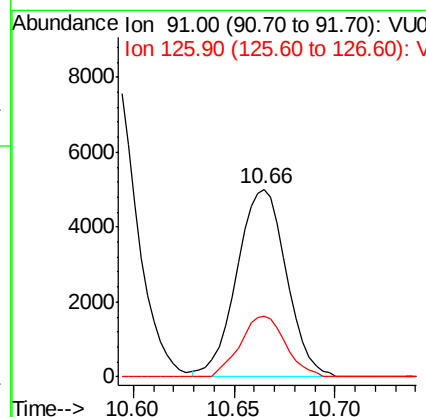
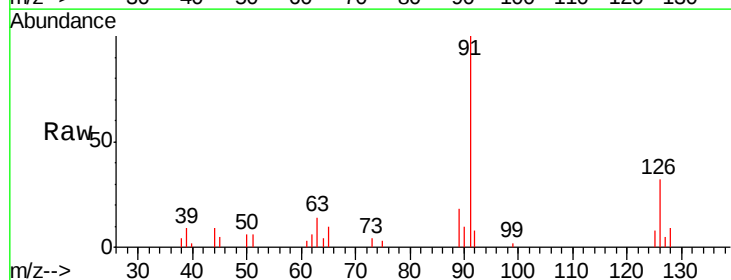
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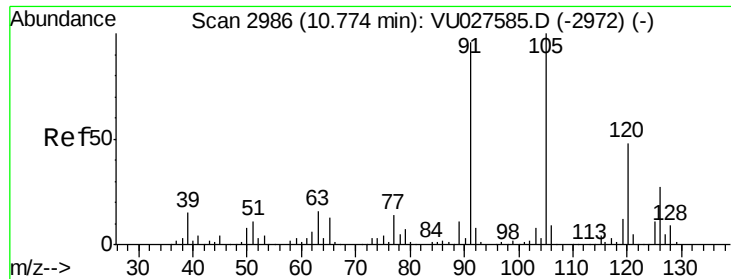
MMDadoda
10/16/2018 2:22:44 PM



#79
2-Chlorotoluene
Concen: 2.22 ug/l
RT: 10.66 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 91 Resp: 8607
Ion Ratio Lower Upper
91 100
126 29.8 15.7 47.1





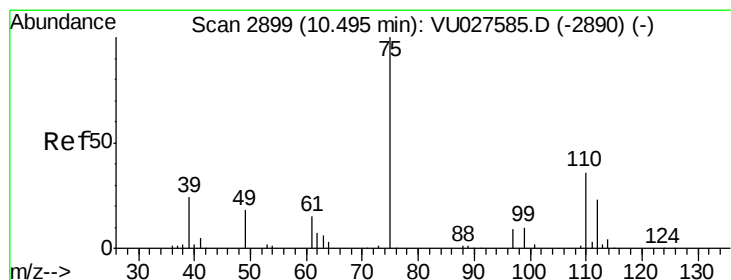
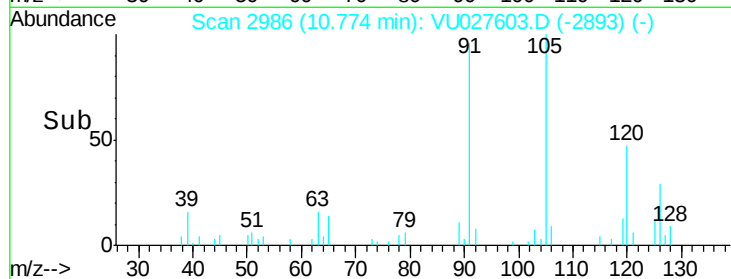
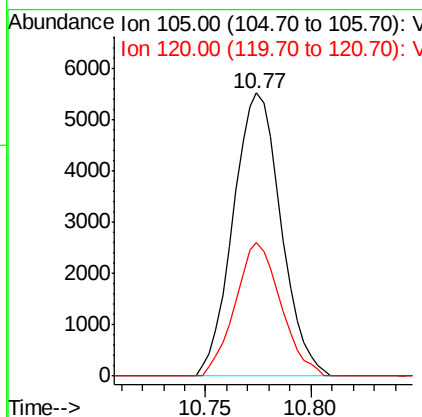
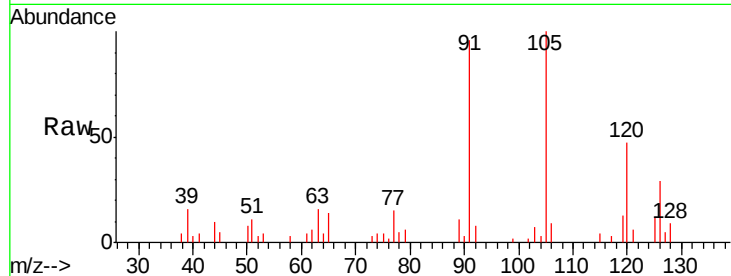
#80
 1,3,5-Trimethylbenzene
 Concen: 1.68 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 105 Resp: 8696
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.1 72.4

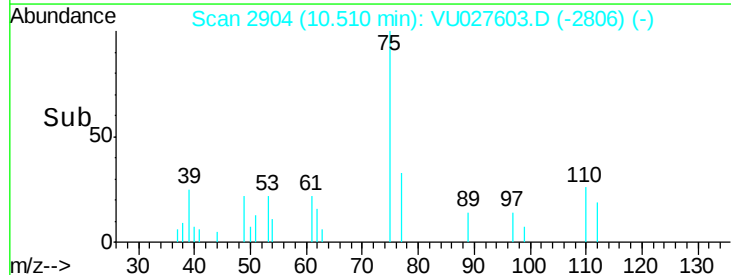
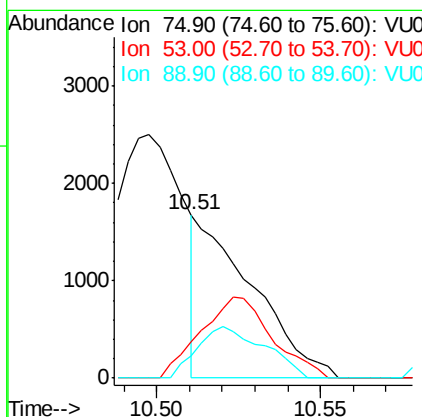
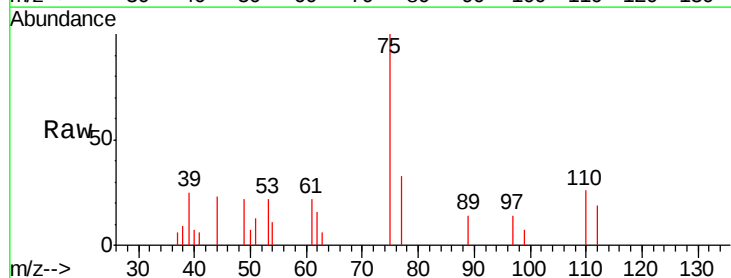
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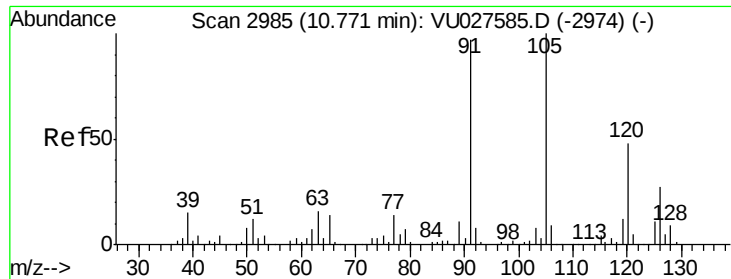
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.04 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. 0.02 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 1961
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





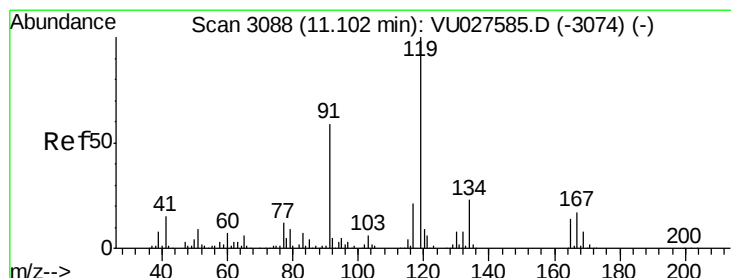
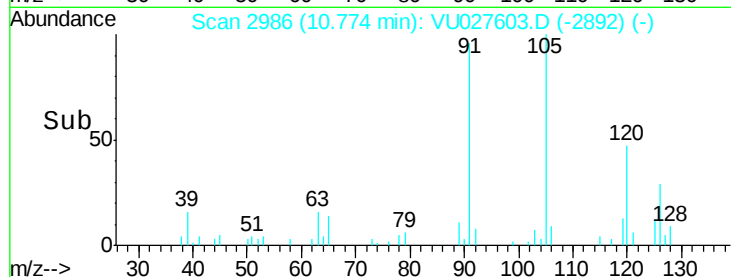
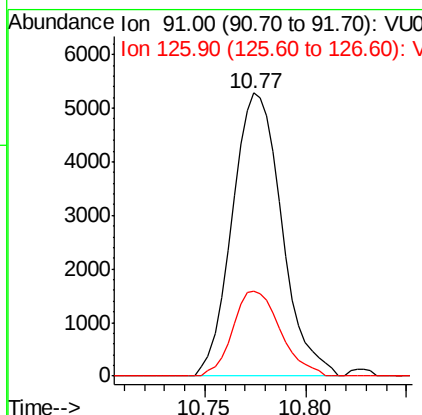
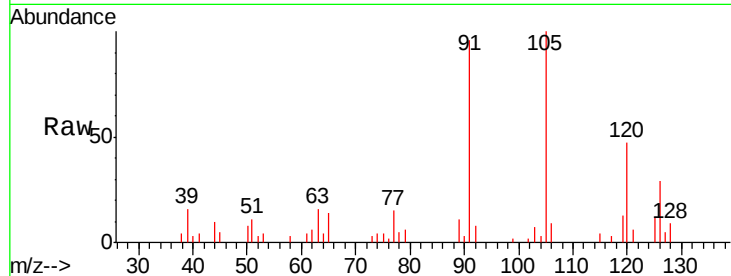
#82
4-Chlorotoluene
Concen: 2.09 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 9063
Ion Ratio Lower Upper
91 100
126 29.0 13.6 40.8

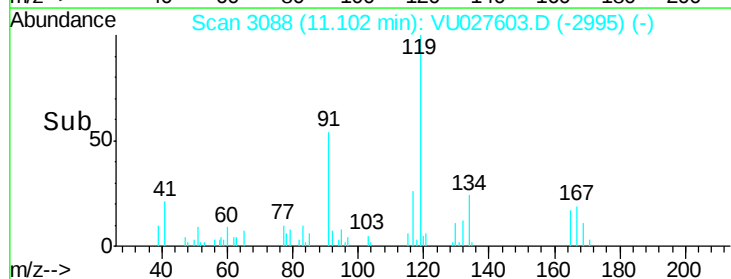
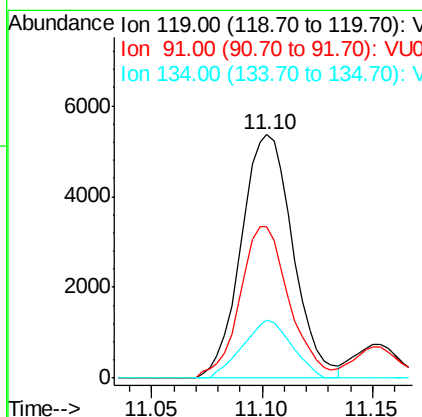
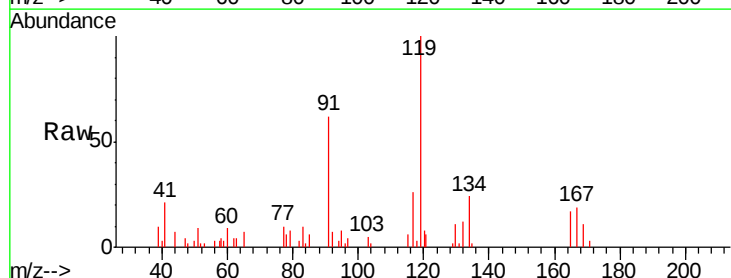
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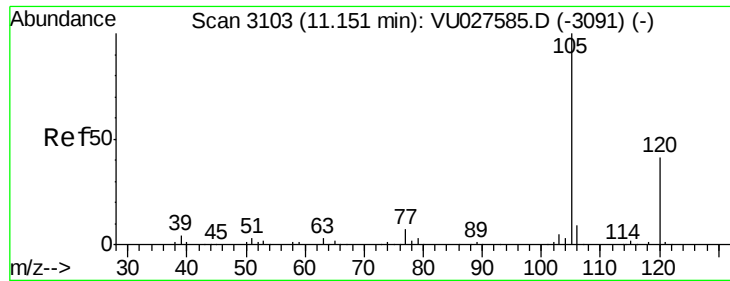
MMDadoda
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#83
tert-Butylbenzene
Concen: 2.06 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 119 Resp: 8756
Ion Ratio Lower Upper
119 100
91 59.3 30.3 91.0
134 22.6 11.5 34.4





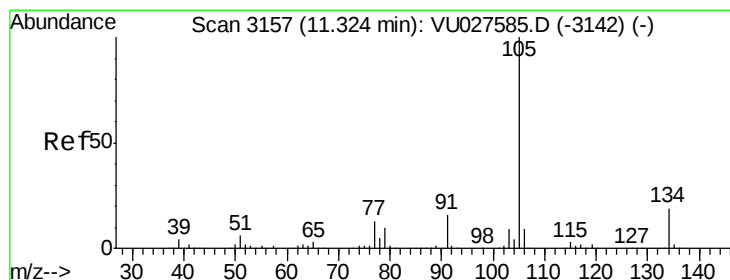
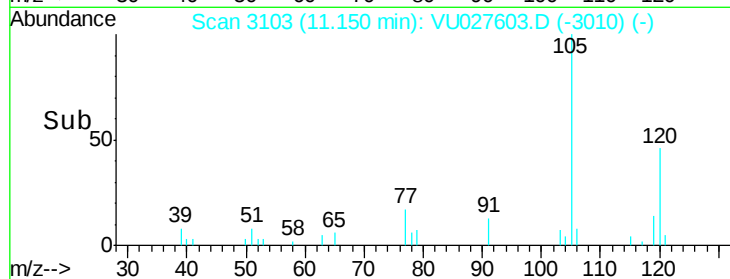
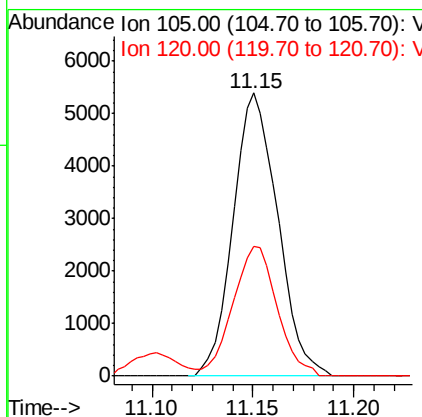
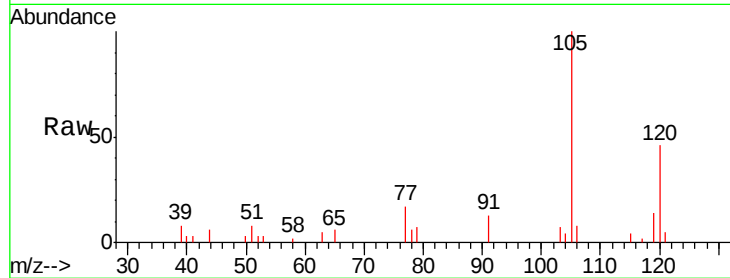
#84
1,2,4-Trimethylbenzene
Concen: 1.75 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 8364
Ion Ratio Lower Upper
105 100
120 45.3 22.1 66.5

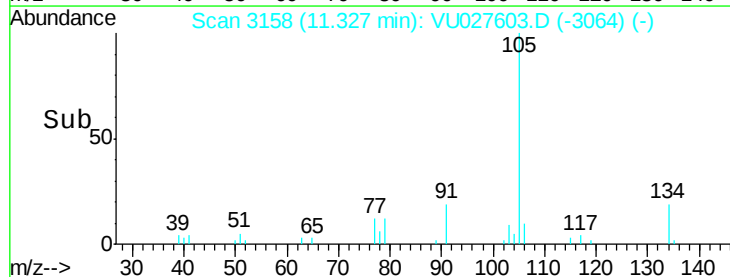
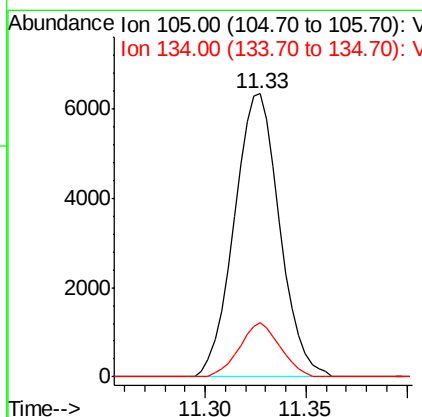
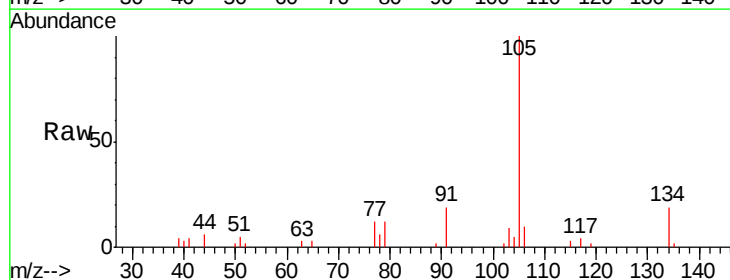
Manual Integrations
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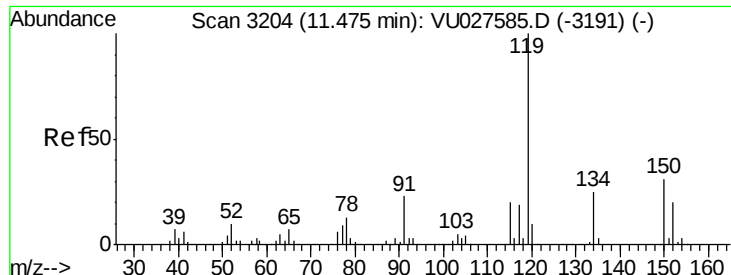
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#85
sec-Butylbenzene
Concen: 2.06 ug/l
RT: 11.33 min Scan# 3158
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:105 Resp: 9984
Ion Ratio Lower Upper
105 100
134 17.3 9.6 28.6





#86

p-Isopropyltoluene

Concen: 2.17 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

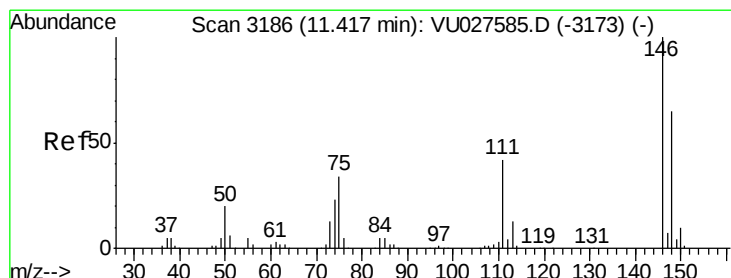
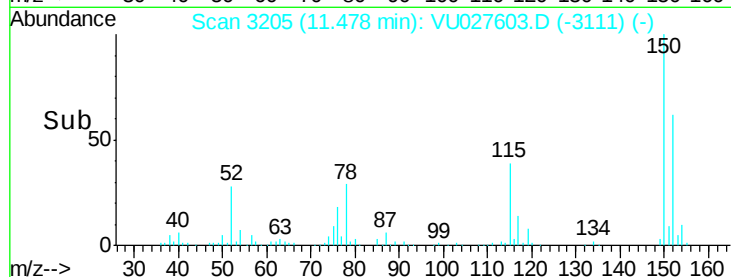
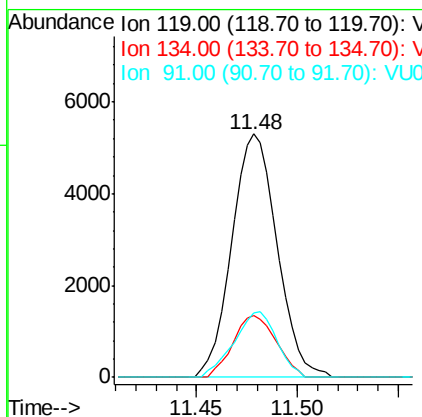
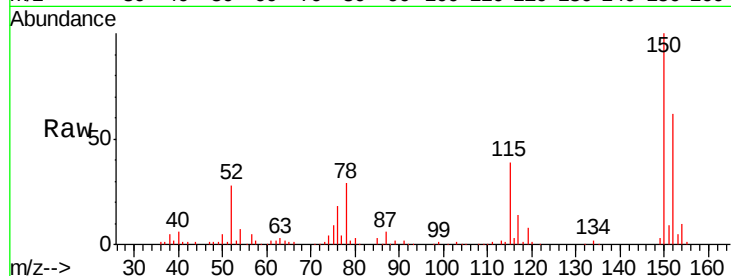
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	119	Resp:	8329
Ion Ratio	Lower	Upper	
119	100		
134	24.3	12.7	38.1
91	25.5	12.2	36.4

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#87

1,3-Dichlorobenzene

Concen: 2.05 ug/l

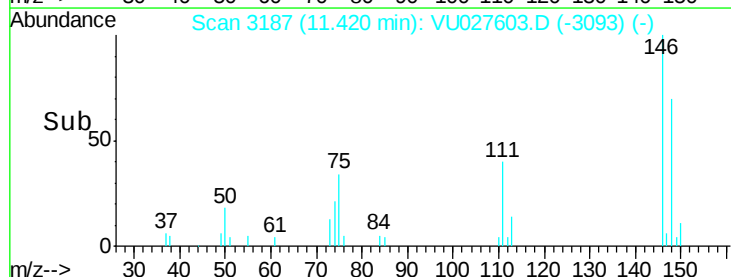
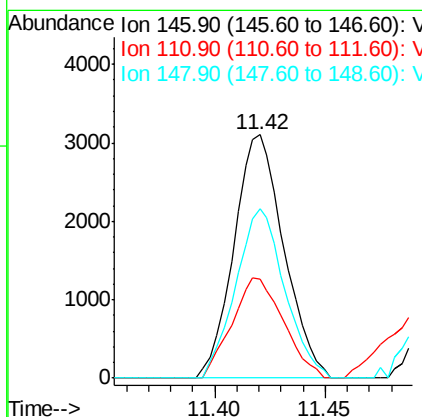
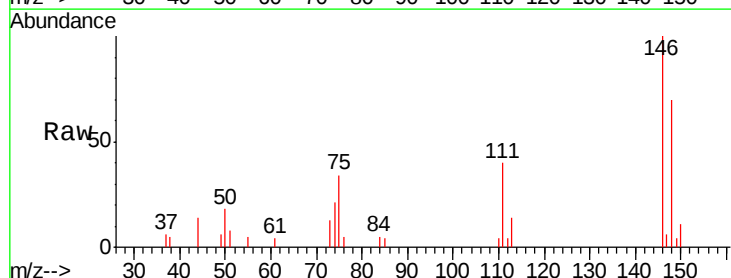
RT: 11.42 min Scan# 3187

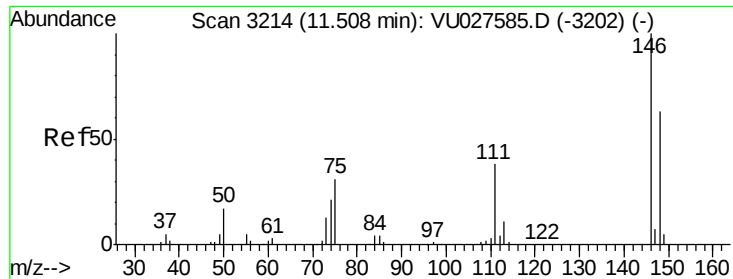
Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	146	Resp:	4864
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.8	62.5
148	68.4	31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 2.04 ug/l m

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

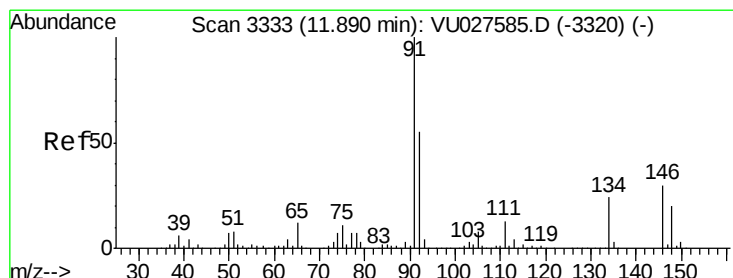
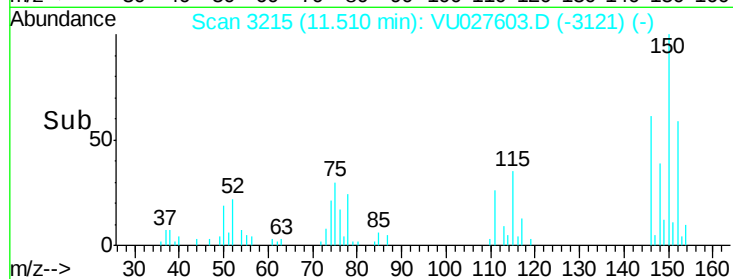
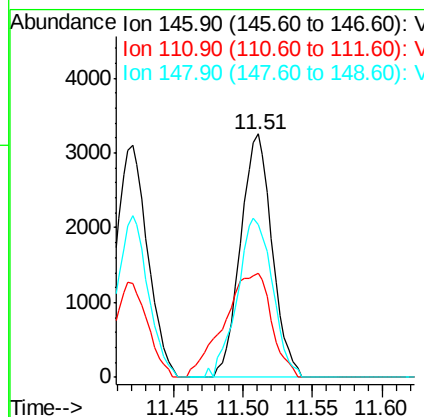
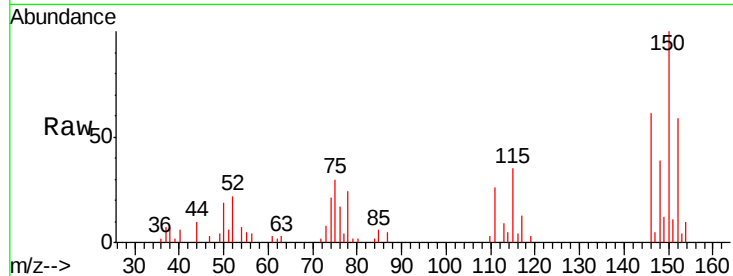
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	146	Resp:	5128
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.4	61.2
148	64.9	31.9	95.5

Manual Integrations
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#89

n-Butylbenzene

Concen: 3.00 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion:	91	Resp:	6917
Ion Ratio	Lower	Upper	
91	100		
92	50.9	27.0	81.0
134	22.2	11.7	35.1

