

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027915.D
 Acq On : 02 Nov 2018 10:56
 Operator : MD/SY
 Sample : VU1102WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 2:40:18 PM

Quant Time: Nov 03 04:21:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	154002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	277732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	121811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	126764	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	4.89	113	93458	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	7.57	98	343706	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	10.31	95	125554	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	38955	19.907	ug/l	97
3) Chloromethane	1.33	50	46909	19.821	ug/l	99
4) Vinyl Chloride	1.40	62	46449	19.775	ug/l	100
5) Bromomethane	1.62	94	20444	23.508	ug/l	100
6) Chloroethane	1.70	64	27491	20.309	ug/l	98
7) Trichlorofluoromethane	1.88	101	51563	18.997	ug/l	93
8) Diethyl Ether	2.11	74	25022	21.530	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	30843	19.128	ug/l	98
10) Methyl Iodide	2.41	142	19884	19.103	ug/l	97
11) Tert butyl alcohol	2.83	59	61734	101.848	ug/l	100
12) 1,1-Dichloroethene	2.28	96	31035	19.228	ug/l	98
13) Acrolein	2.20	56	21820	93.614	ug/l	99
14) Allyl chloride	2.59	41	77257	19.585	ug/l	97
15) Acrylonitrile	2.94	53	160275	107.644	ug/l	99
16) Acetone	2.32	43	147284	103.680	ug/l	97
17) Carbon Disulfide	2.48	76	98277	18.629	ug/l	98
18) Methyl Acetate	2.62	43	82098	21.009	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	141306	21.710	ug/l	99
20) Methylene Chloride	2.70	84	42129	20.312	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	35797	19.218	ug/l	99
22) Diisopropyl ether	3.58	45	171525	21.061	ug/l	95
23) Vinyl Acetate	3.53	43	758745	108.404	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82266	20.280	ug/l	99
25) 2-Butanone	4.27	43	238548	105.553	ug/l	100
26) 2,2-Dichloropropane	4.23	77	58746	19.297	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	44239	21.180	ug/l	98
28) Bromochloromethane	4.55	49	43012	22.617	ug/l	97
29) Tetrahydrofuran	4.64	42	160403	106.291	ug/l	99
30) Chloroform	4.68	83	75290	20.242	ug/l	97
31) Cyclohexane	5.00	56	76813	18.222	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	58999	19.927	ug/l	99
36) 1,1-Dichloropropene	5.14	75	52307	17.982	ug/l	98
37) Ethyl Acetate	4.39	43	87030	20.420	ug/l	99
38) Carbon Tetrachloride	5.14	117	46039	17.860	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	63610	18.131	ug/l	98
40) Benzene	5.39	78	171949	19.335	ug/l	99
41) Methacrylonitrile	4.55	41	49053	21.566	ug/l	98
42) 1,2-Dichloroethane	5.40	62	63129	19.970	ug/l	100
43) Isopropyl Acetate	5.55	43	135776	20.334	ug/l	99
44) Trichloroethene	6.19	130	35469	18.554	ug/l	95
45) 1,2-Dichloropropane	6.43	63	51087	19.919	ug/l	100
46) Dibromomethane	6.56	93	30776	20.876	ug/l	98
47) Bromodichloromethane	6.76	83	56302	19.817	ug/l	98
48) Methyl methacrylate	6.63	41	68421	20.910	ug/l	98
49) 1,4-Dioxane	6.62	88	21929	410.766	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	449285	100.752	ug/l	99
52) Toluene	7.64	92	101512	19.416	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	65478	19.287	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71929	20.538	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44347	20.849	ug/l	94
56) Ethyl methacrylate	8.02	69	76851	20.487	ug/l	98
57) 1,3-Dichloropropane	8.24	76	81126	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	202471	100.781	ug/l	100
59) 2-Hexanone	8.36	43	344285	99.822	ug/l	99
60) Dibromochloromethane	8.48	129	39702	19.725	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46254	20.465	ug/l	98
64) Tetrachloroethene	8.23	164	29746	17.998	ug/l	97
65) Chlorobenzene	9.12	112	105882	19.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	35864	19.498	ug/l	97
67) Ethyl Benzene	9.25	91	188212	18.988	ug/l	100
68) m/p-Xylenes	9.38	106	138385	38.478	ug/l	98
69) o-Xylene	9.78	106	67724	18.648	ug/l	97
70) Styrene	9.79	104	111739	19.256	ug/l	99
71) Bromoform	9.96	173	30649	19.883	ug/l #	99
73) Isopropylbenzene	10.17	105	179710	19.044	ug/l	99
74) N-amyl acetate	10.02	43	118463	20.761	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	77931	20.474	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	63843m	19.161	ug/l	
77) Bromobenzene	10.45	156	42895	19.824	ug/l	99
78) n-propylbenzene	10.59	91	207381	18.360	ug/l	100
79) 2-Chlorotoluene	10.66	91	128624	18.997	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	149609	19.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	24809m	18.756	ug/l	
82) 4-Chlorotoluene	10.77	91	143040	18.609	ug/l	100
83) tert-Butylbenzene	11.10	119	145890	18.668	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	152030	19.314	ug/l	100
85) sec-Butylbenzene	11.32	105	176172	18.536	ug/l	99
86) p-Isopropyltoluene	11.48	119	149468	18.812	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	74629	18.670	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	75619	18.457	ug/l	97
89) n-Butylbenzene	11.89	91	134714	17.841	ug/l	99
90) Hexachloroethane	12.15	117	25851	18.275	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	79003	19.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16856	21.016	ug/l	95

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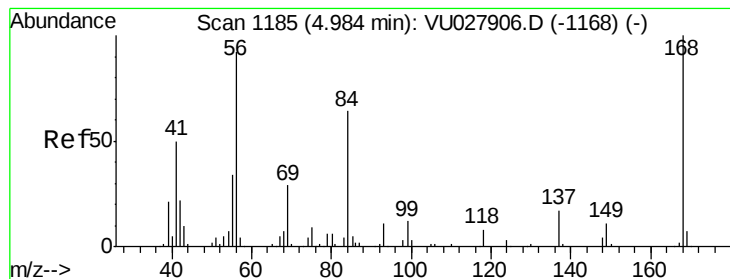
Manual Integrations
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11/5/2018 2:40:18 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	49152	17.881	ug/l	98
94) Hexachlorobutadiene	13.69	225	23505	18.398	ug/l	100
95) Naphthalene	13.74	128	187682	18.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54197	20.093	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion:168 Resp: 154002

Ion Ratio Lower Upper

168 100

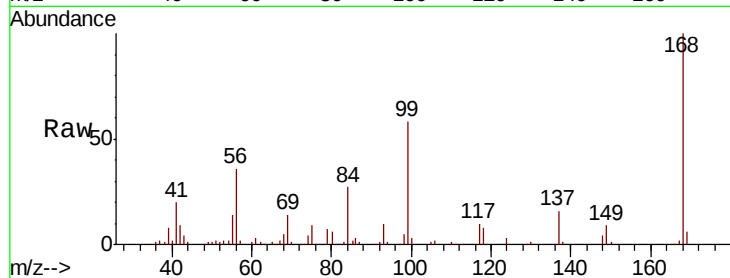
99 57.1 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027915.D (-1092) (-)

4.99

80000

60000

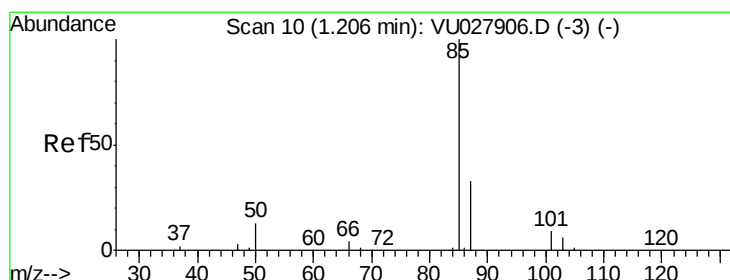
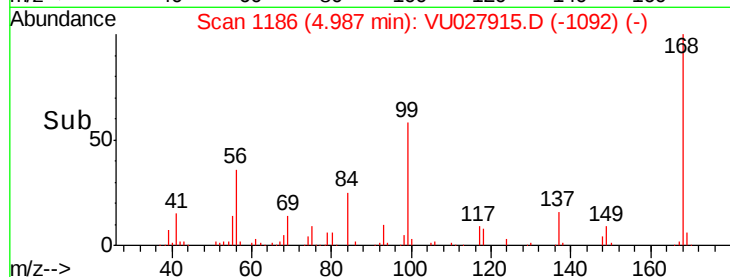
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.907 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027915.D

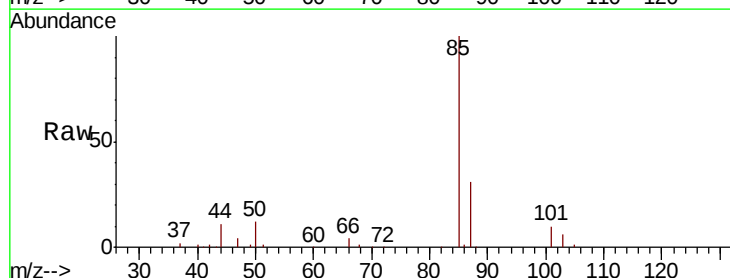
Acq: 02 Nov 2018 10:56

Tgt Ion: 85 Resp: 38955

Ion Ratio Lower Upper

85 100

87 31.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027915.D (-1) (-)

1.21

40000

30000

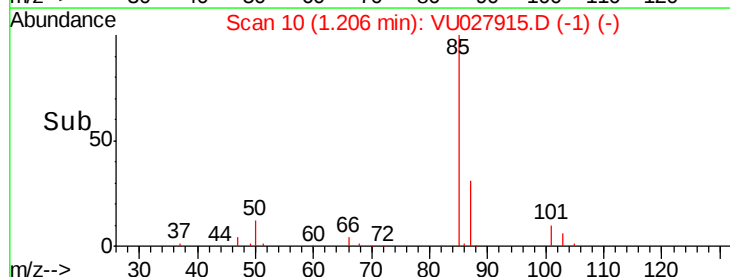
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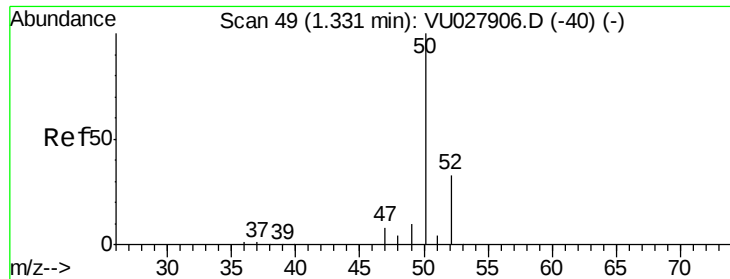
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.821 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 50 Resp: 46909

Ion Ratio Lower Upper

50 100

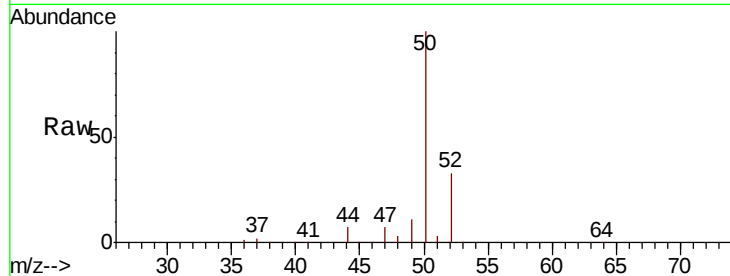
52 33.1 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027915.D (-1) (-)

1.33

50000

40000

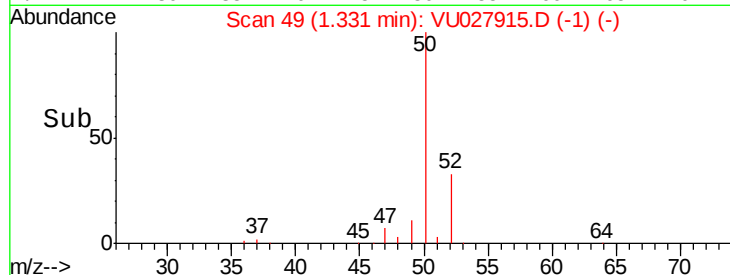
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20000

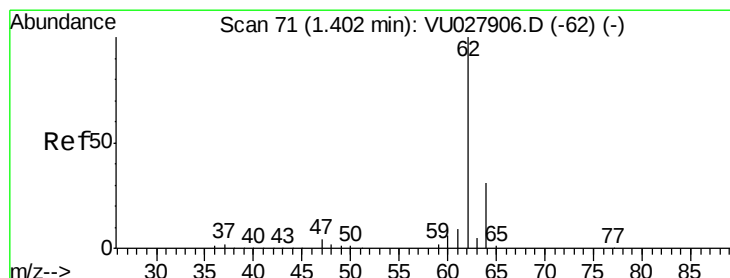
10000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 19.775 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027915.D

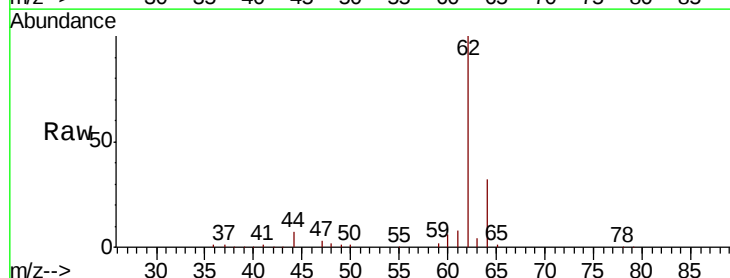
Acq: 02 Nov 2018 10:56

Tgt Ion: 62 Resp: 46449

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027915.D (-1) (-)

1.40

50000

40000

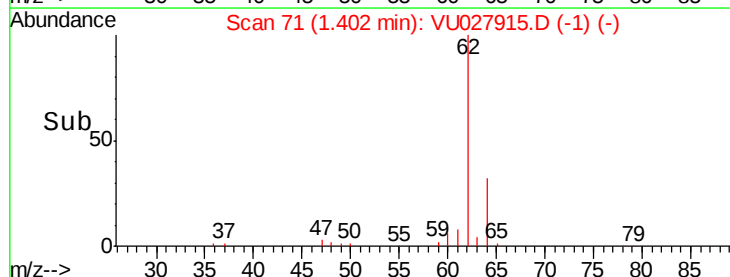
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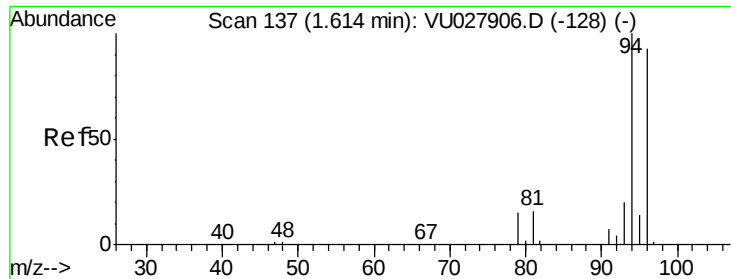
10000

0

Time-->



Time-->



#5

Bromomethane

Concen: 23.508 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 94 Resp: 20444

Ion Ratio Lower Upper

94 100

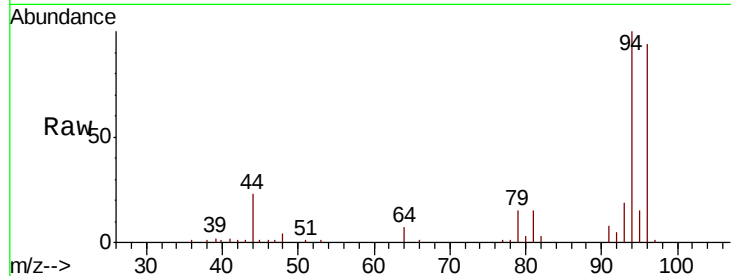
96 93.9 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

15000

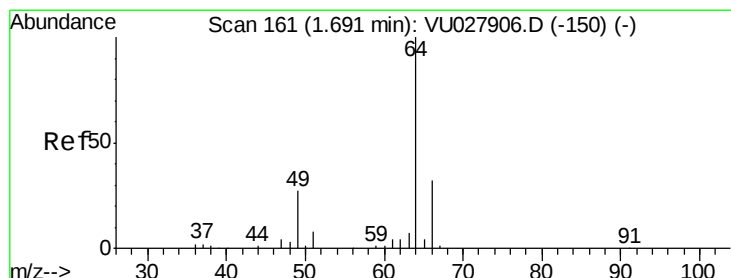
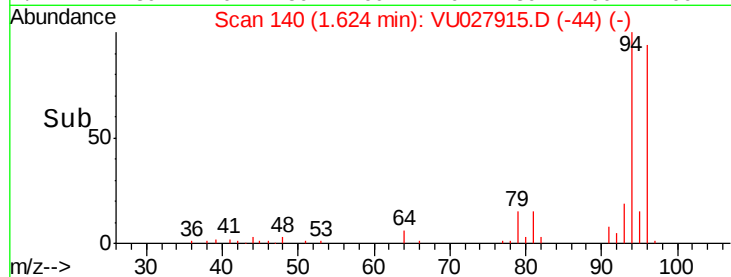
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.309 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027915.D

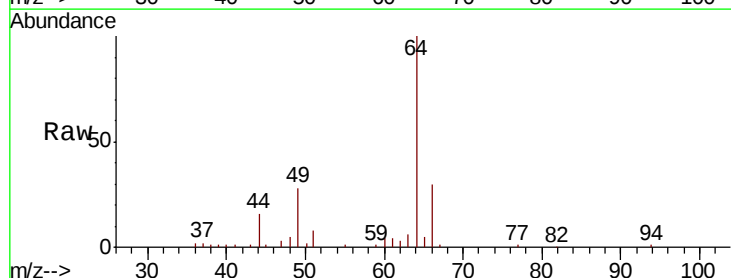
Acq: 02 Nov 2018 10:56

Tgt Ion: 64 Resp: 27491

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

25000

20000

15000

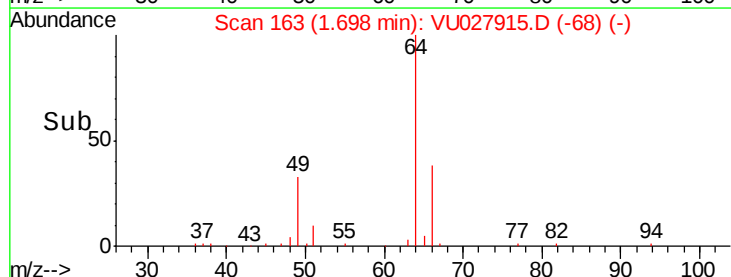
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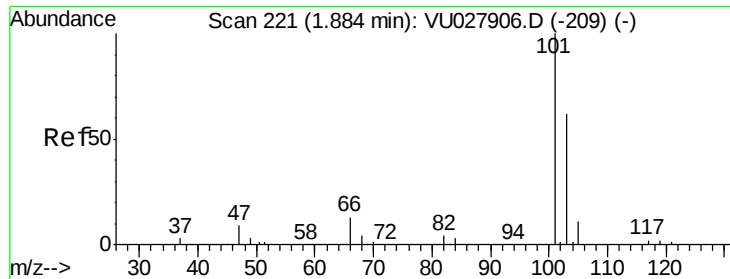
5000

0

Time-->

1.65 1.70 1.75





#7

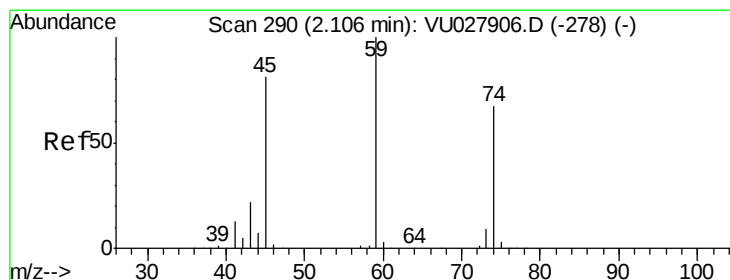
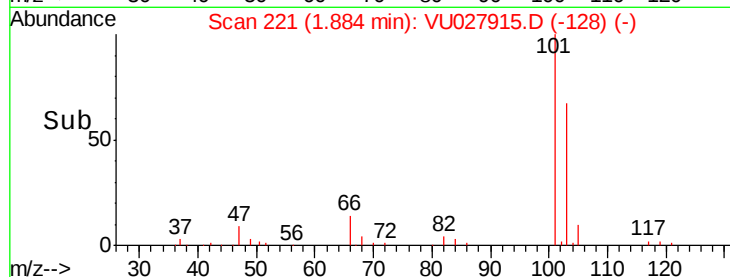
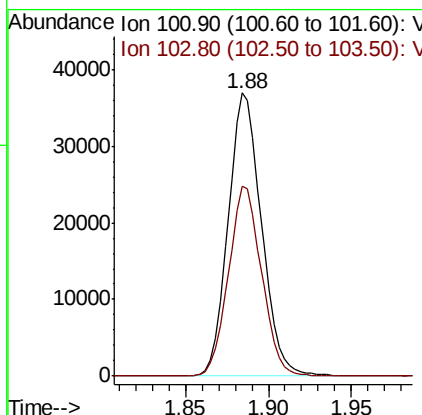
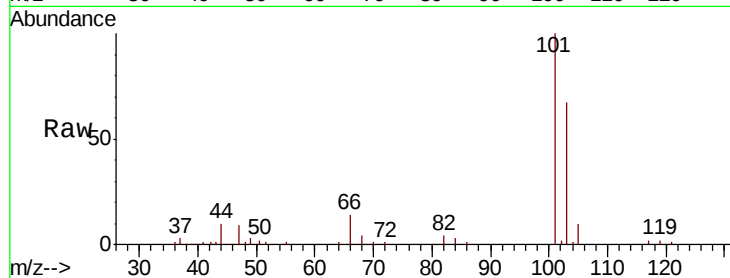
Trichlorofluoromethane
Concen: 18.997 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

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VU1102WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	49.4	74.2

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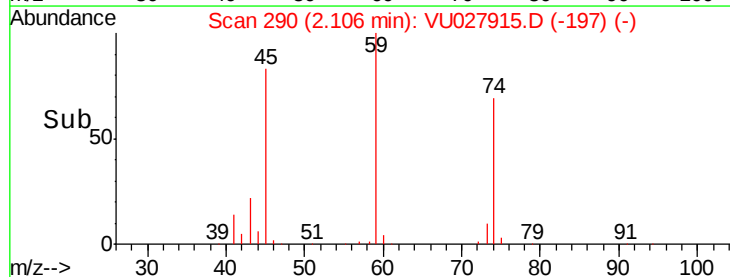
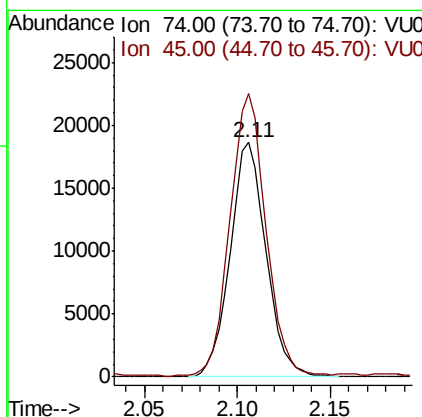
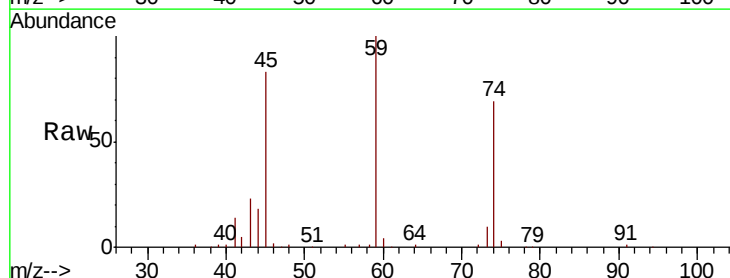
MMDadoda
11/5/2018 2:40:18 PM

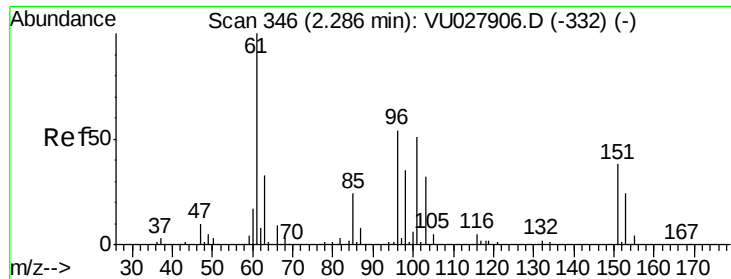


#8

Diethyl Ether
Concen: 21.530 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.8	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.128 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

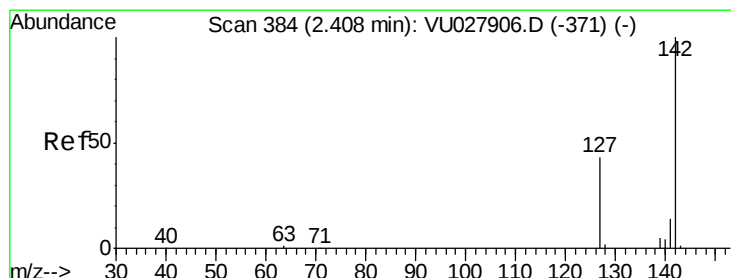
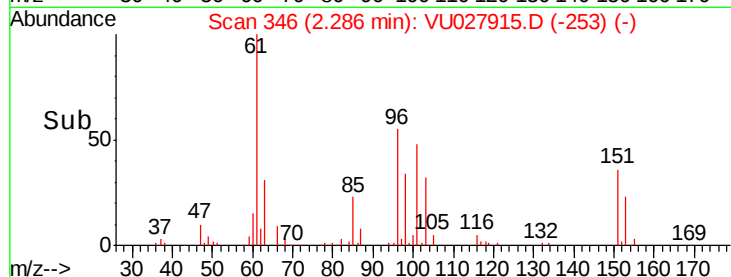
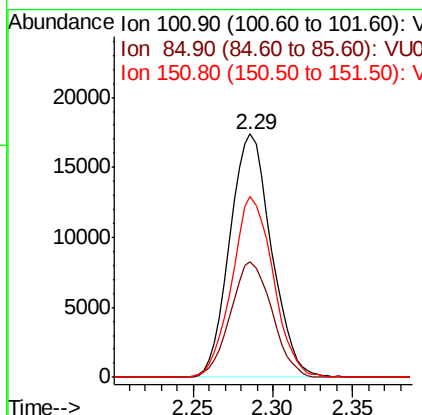
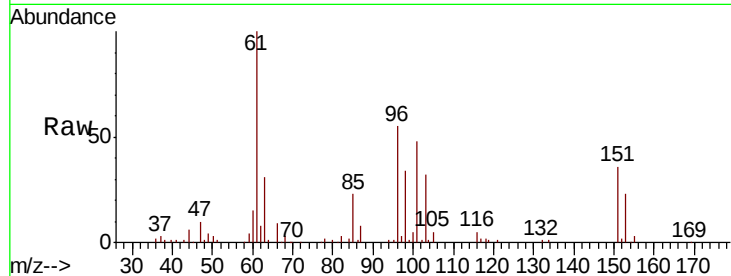
ClientSampleId :

VU1102WBS01

Tot Ion:	101	Resp:	30843
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.9	55.3
151	73.6	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.103 ug/l

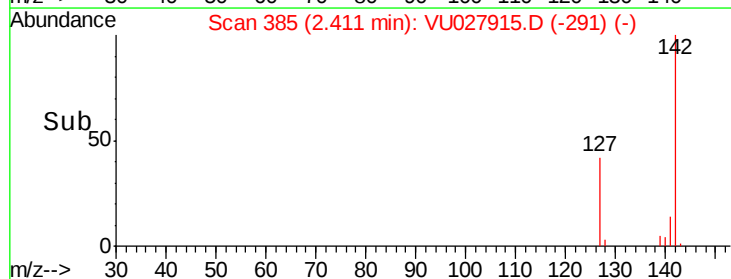
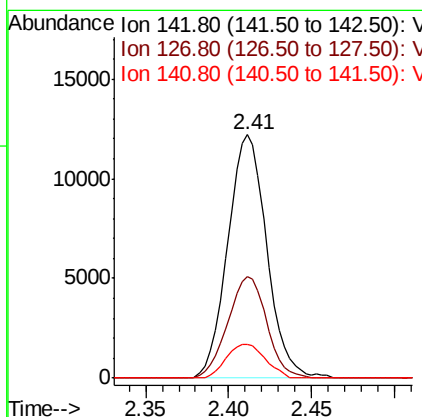
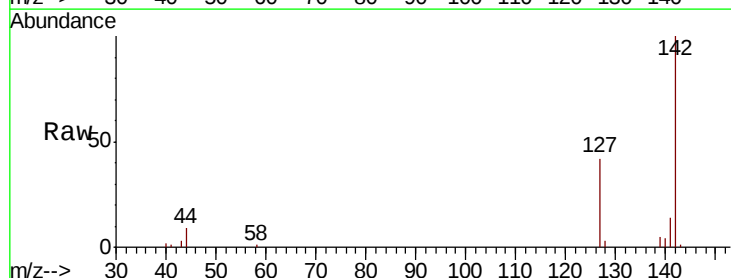
RT: 2.41 min Scan# 385

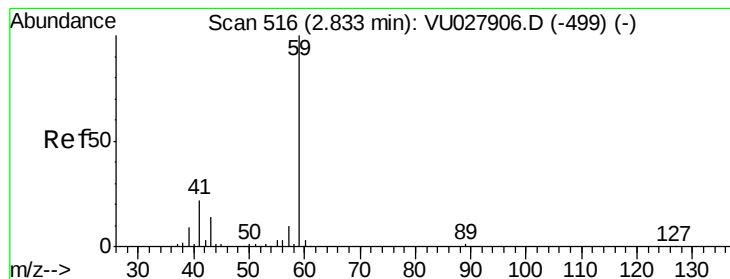
Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	142	Resp:	19884
Ion Ratio	Lower	Upper	
142	100		
127	41.6	35.2	52.8
141	13.9	11.8	17.8





#11

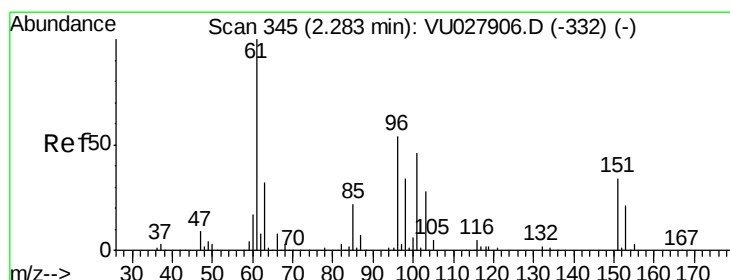
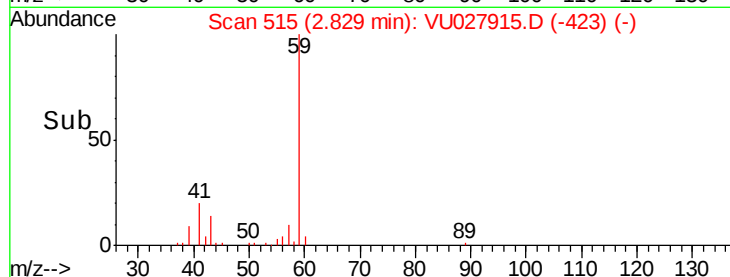
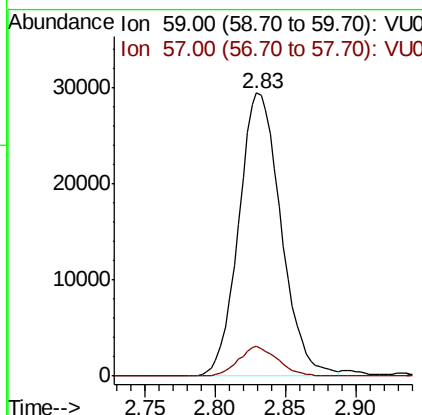
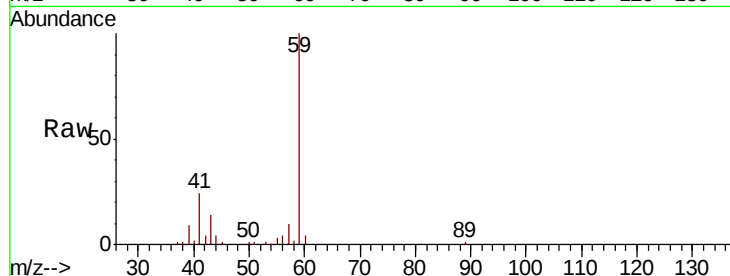
Tert butyl alcohol
 Concen: 101.848 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Manual Integrations
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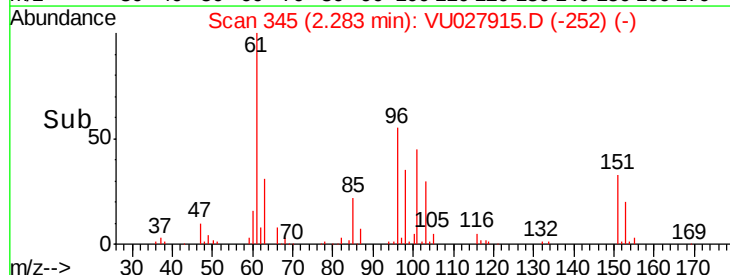
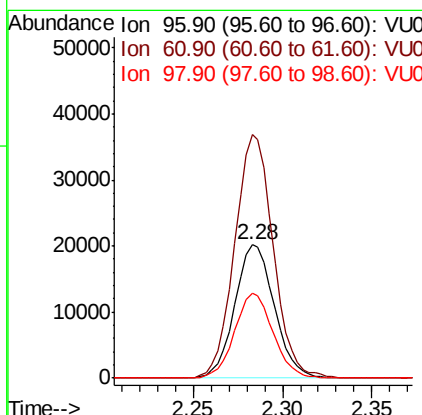
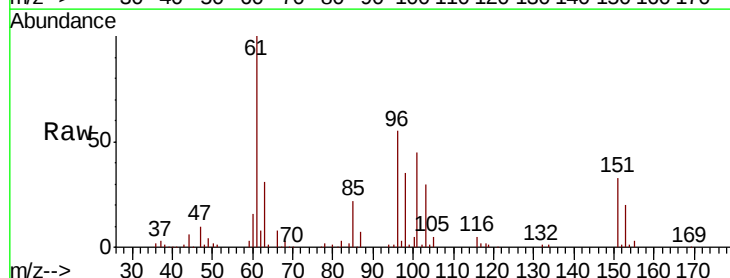
MMDadoda
 11/5/2018 2:40:18 PM



#12

1,1-Dichloroethene
 Concen: 19.228 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.0	149.3	223.9
98	63.8	50.6	75.8





#13

Acrolein

Concen: 93.614 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 56 Resp: 21820

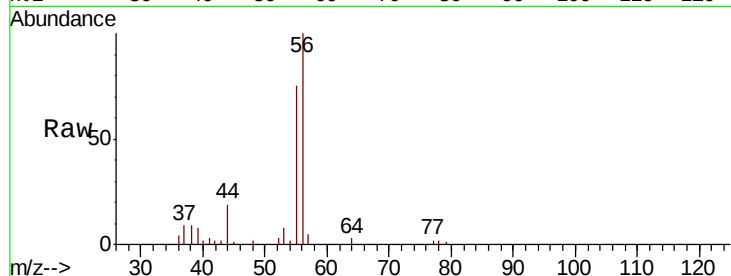
Ion Ratio Lower Upper

56 100

55 70.8 56.2 84.4

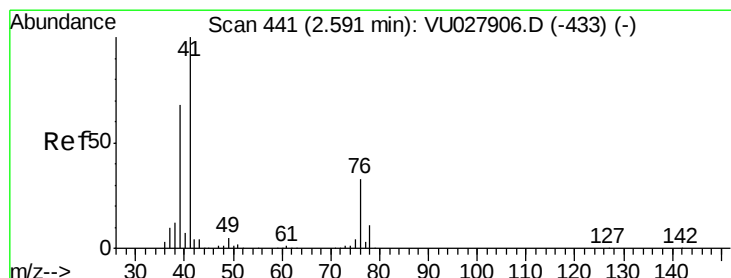
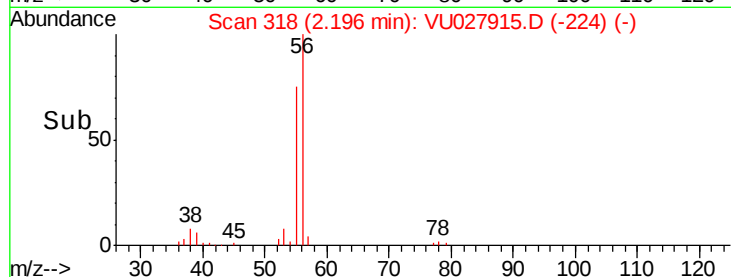
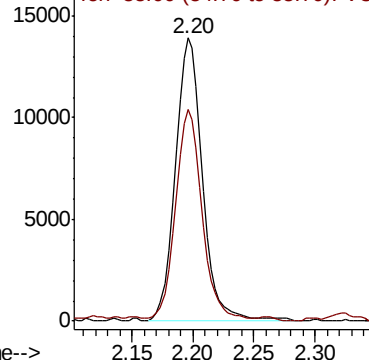
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.585 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

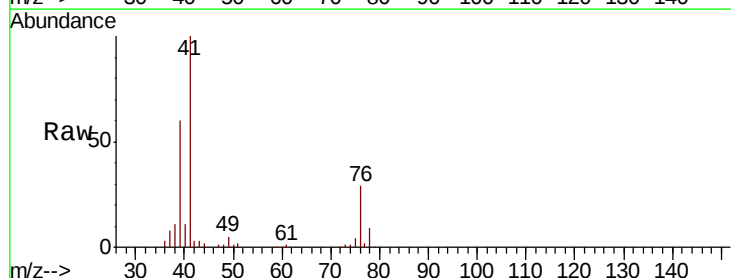
Tgt Ion: 41 Resp: 77257

Ion Ratio Lower Upper

41 100

39 61.9 51.9 77.9

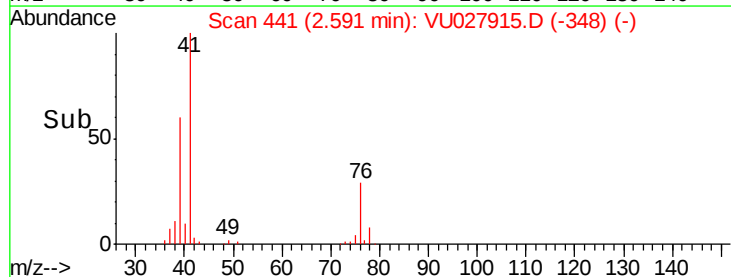
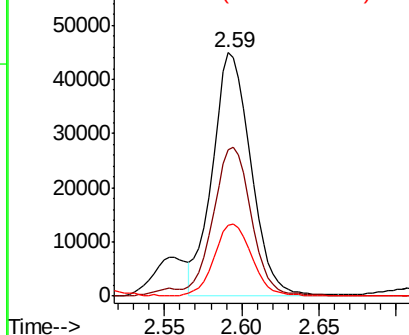
76 29.2 23.8 35.6

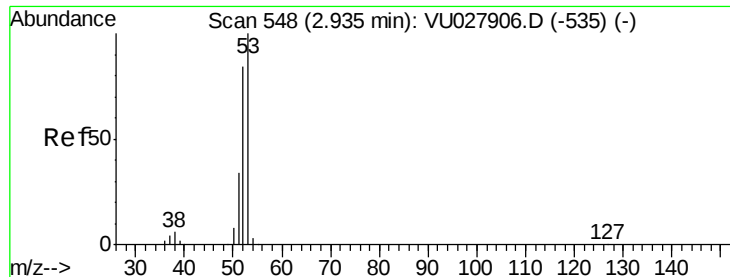


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.644 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

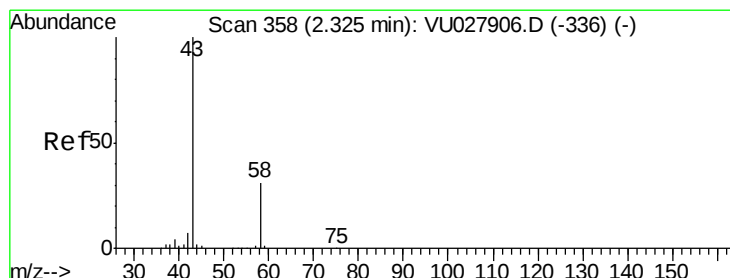
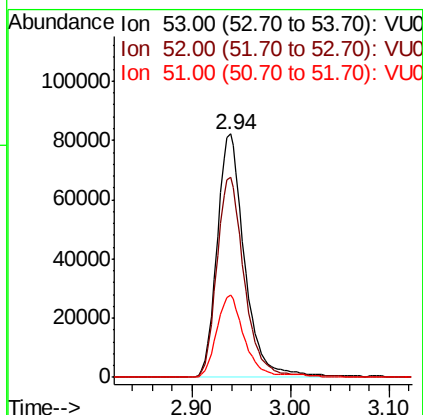
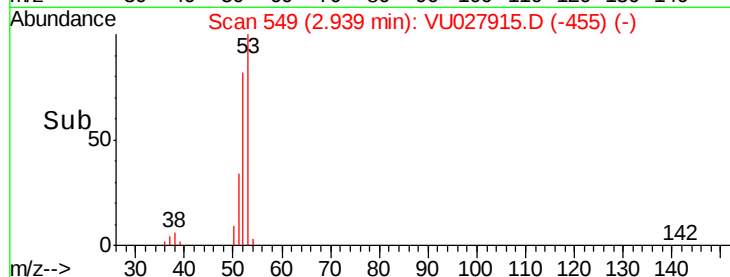
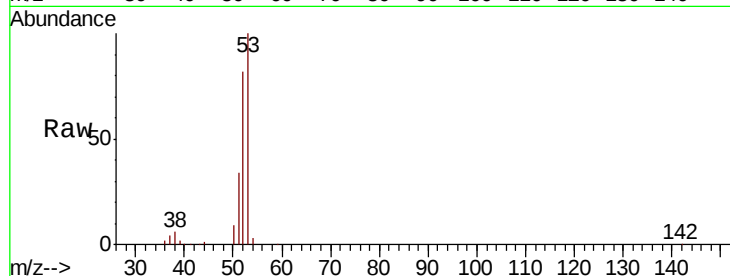
ClientSampleId :

VU1102WBS01

Tot Ion:	53	Resp:	160275
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	34.9	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 103.680 ug/l

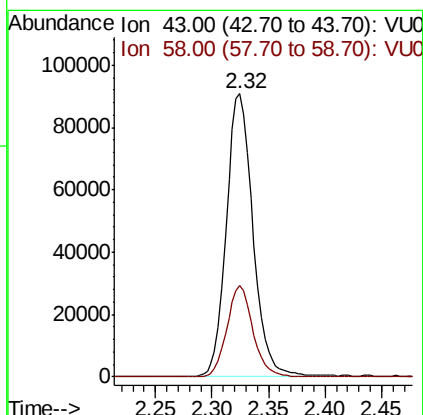
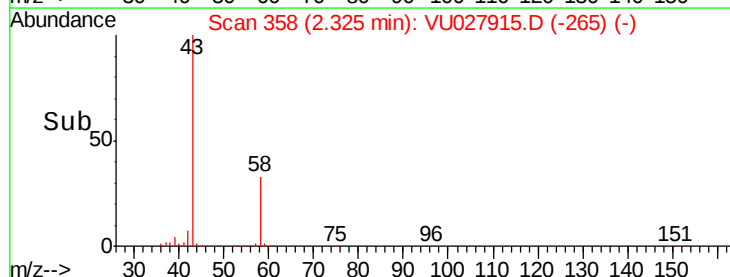
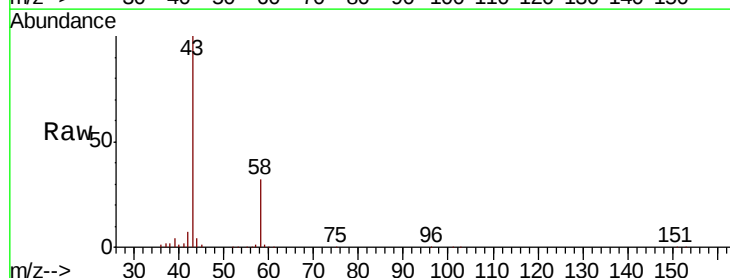
RT: 2.32 min Scan# 358

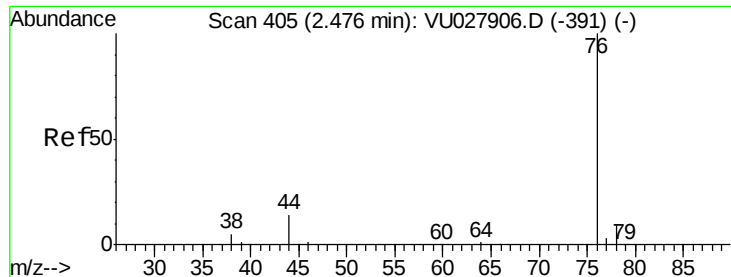
Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	43	Resp:	147284
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.6	37.0





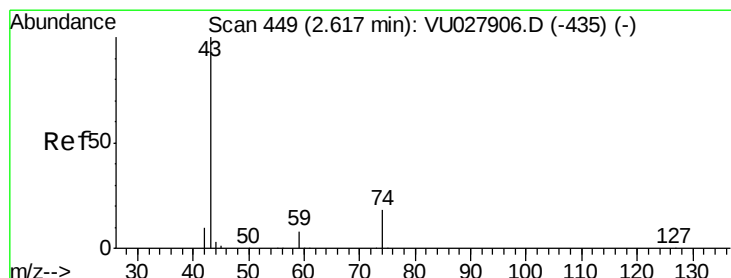
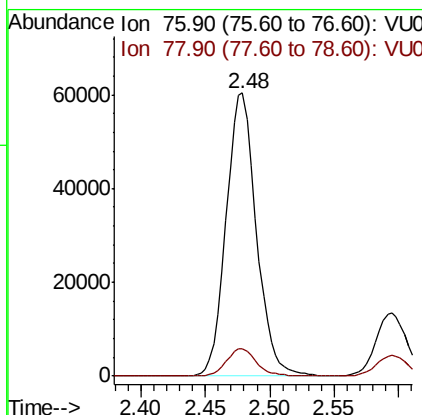
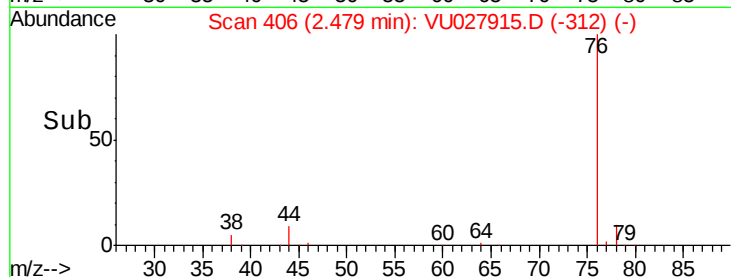
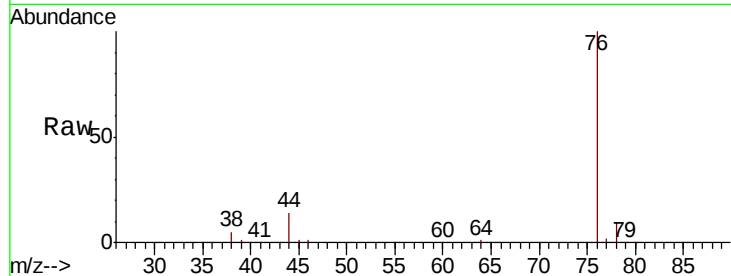
#17
Carbon Disulfide
Concen: 18.629 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 76 Resp: 98277
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

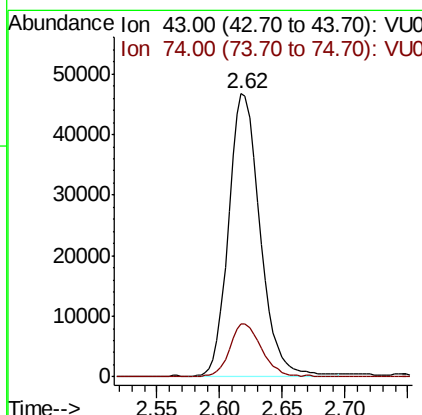
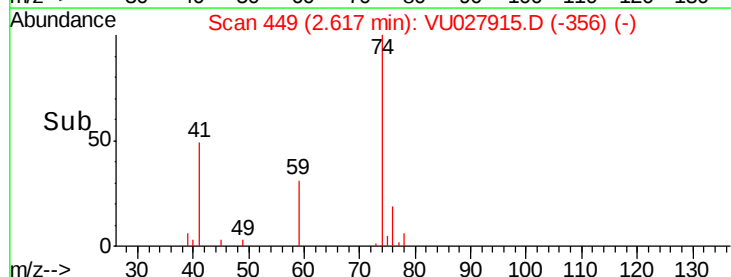
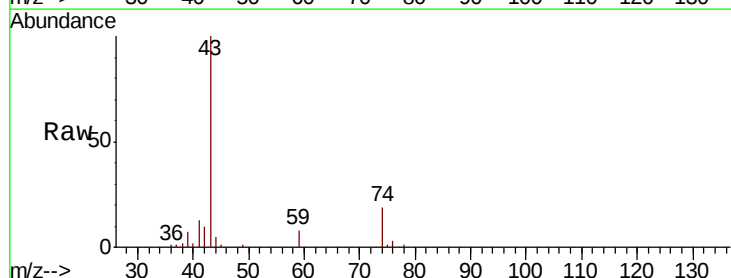
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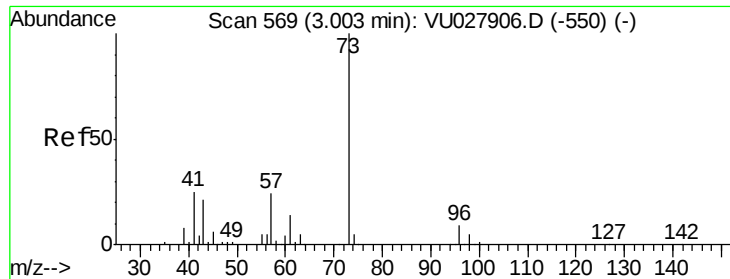
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#18
Methyl Acetate
Concen: 21.009 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 43 Resp: 82098
Ion Ratio Lower Upper
43 100
74 18.9 14.9 22.3





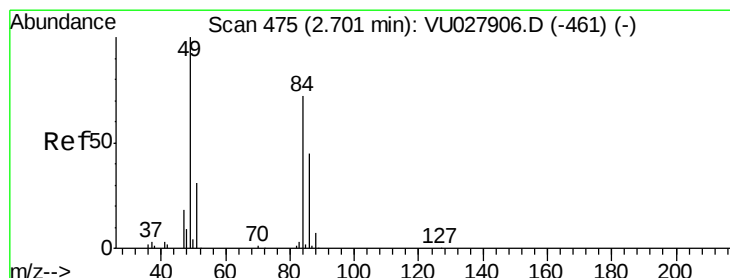
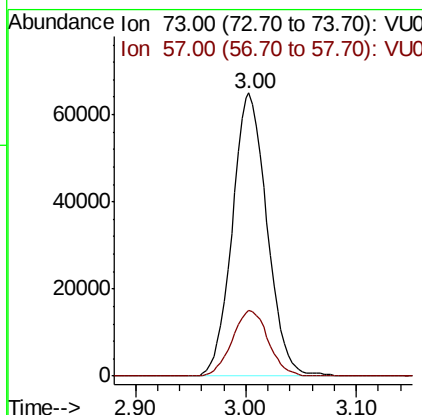
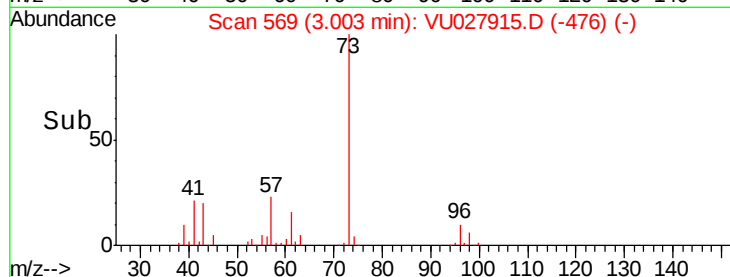
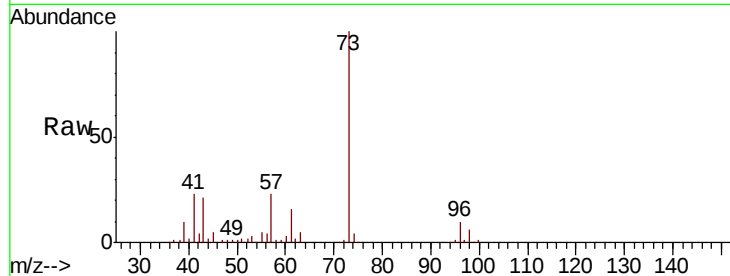
#19
Methvl tert-butvl Ether
Concen: 21.710 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 73 Resp: 141306
Ion Ratio Lower Upper
73 100
57 23.4 19.3 28.9

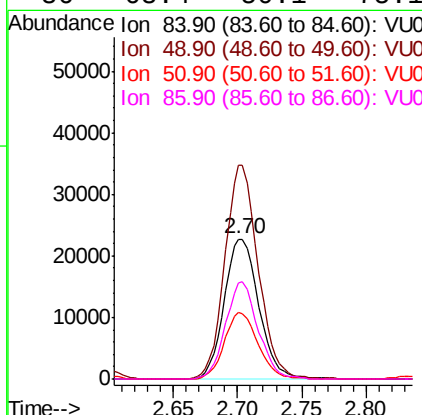
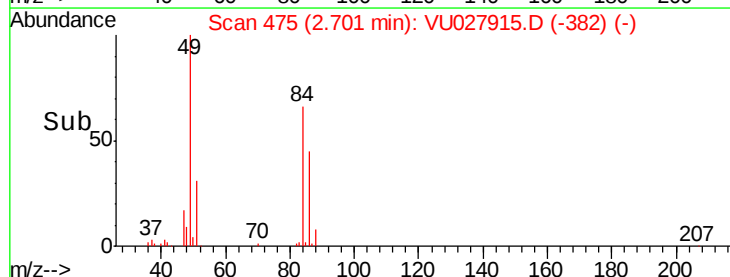
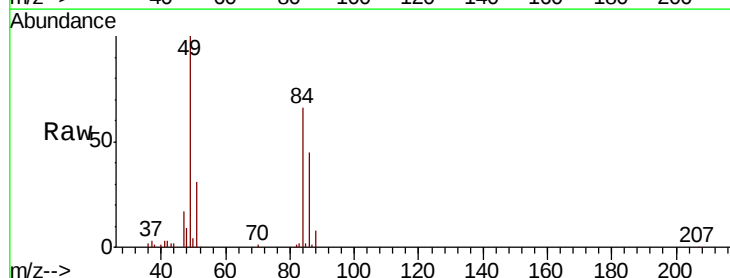
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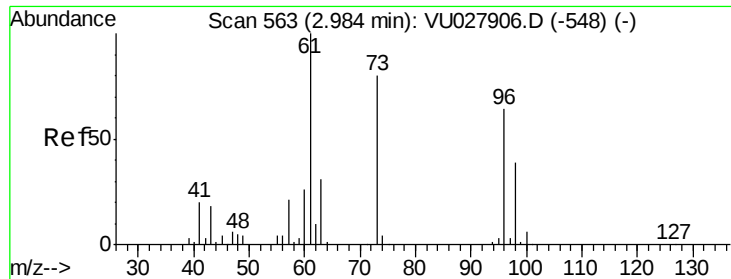
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#20
Methylene Chloride
Concen: 20.312 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 84 Resp: 42129
Ion Ratio Lower Upper
84 100
49 152.7 111.6 167.4
51 47.6 34.8 52.2
86 68.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.218 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

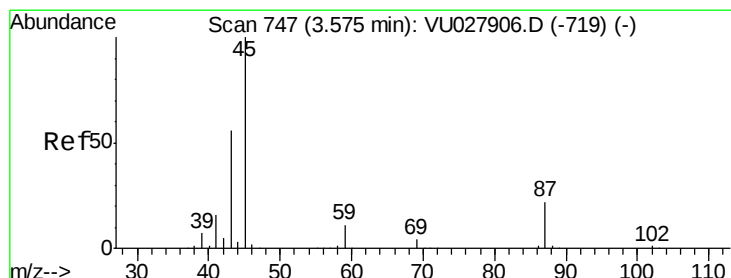
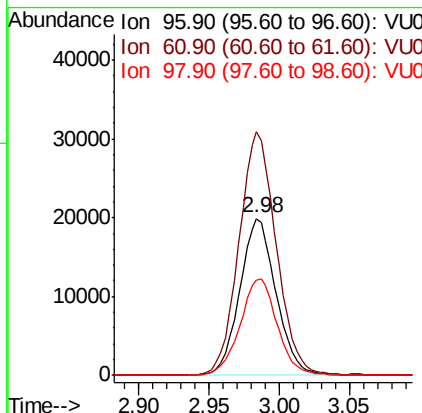
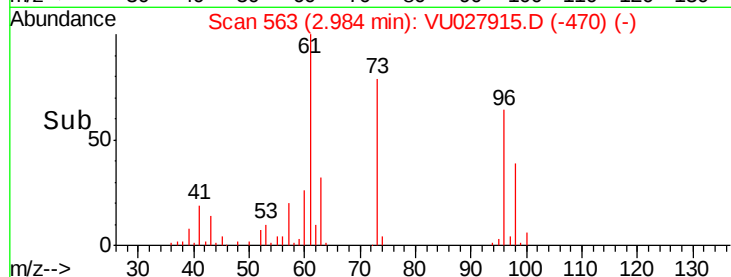
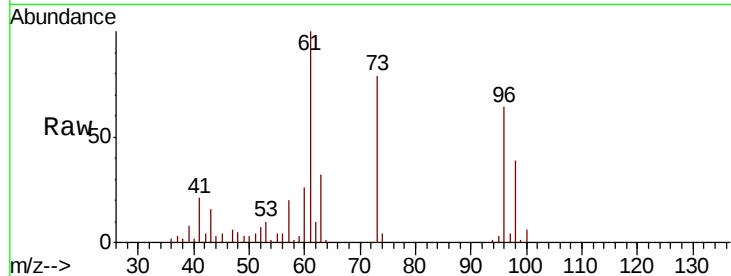
ClientSampleId :

VU1102WBS01

Tot Ion:	96	Resp:	35797
Ion	Ratio	Lower	Upper
96	100		
61	155.3	125.0	187.6
98	61.0	48.2	72.4

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#22

Diisopropyl ether

Concen: 21.061 ug/l

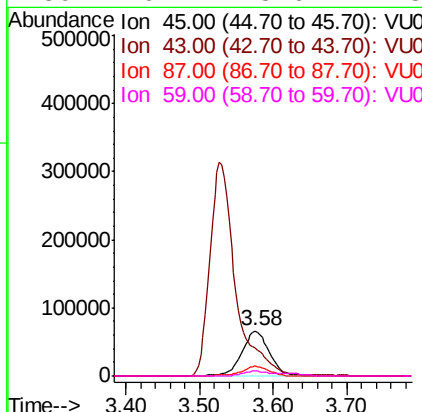
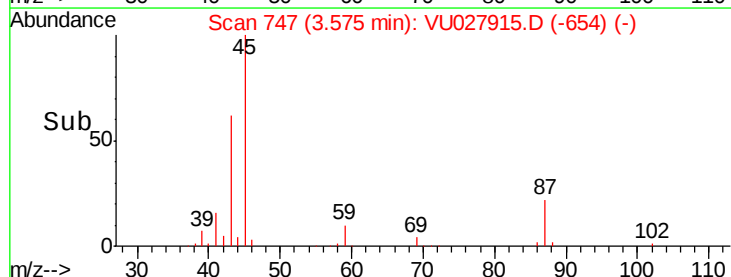
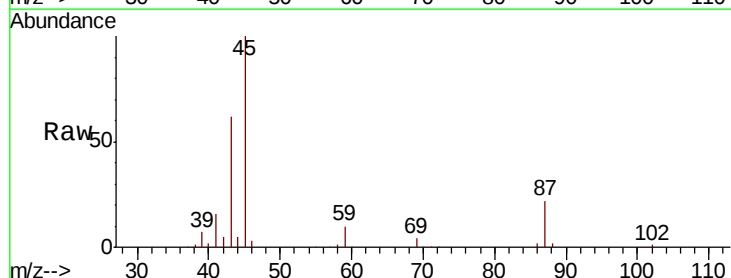
RT: 3.58 min Scan# 747

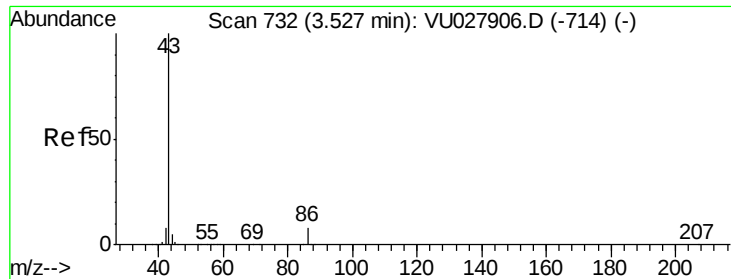
Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	45	Resp:	171525
Ion	Ratio	Lower	Upper
45	100		
43	61.4	45.0	67.6
87	21.5	17.9	26.9
59	10.2	8.6	12.8





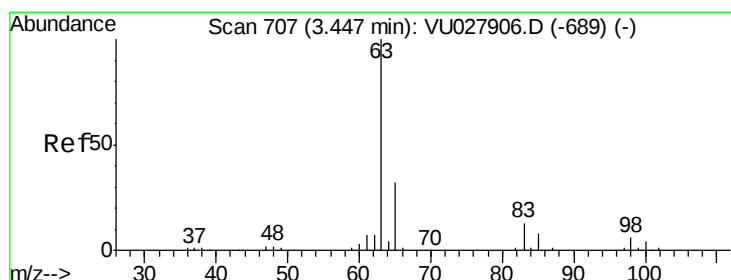
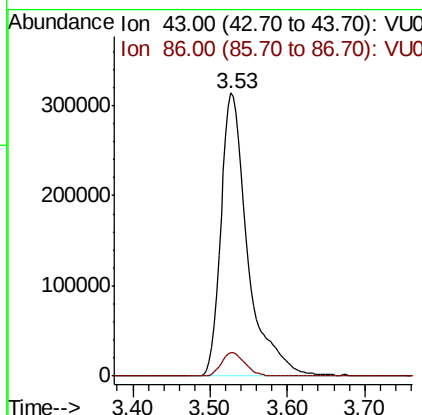
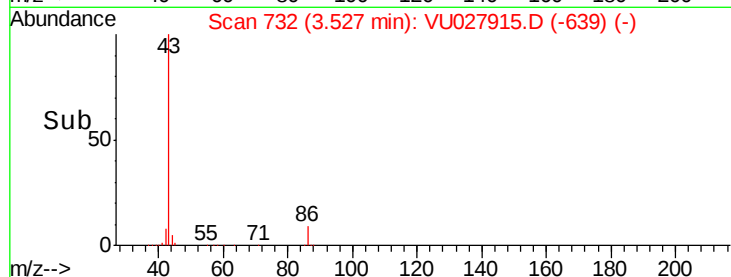
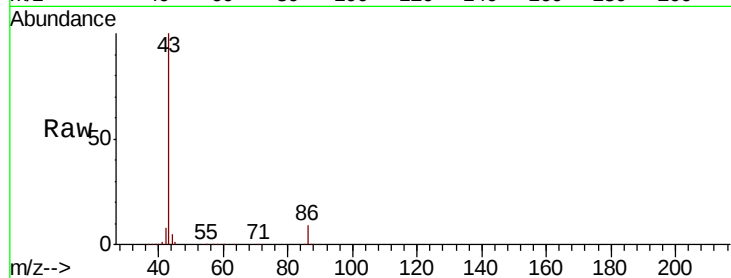
#23
 Vinyl Acetate
 Concen: 108.404 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8

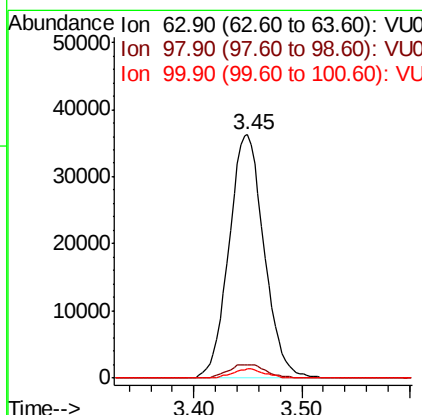
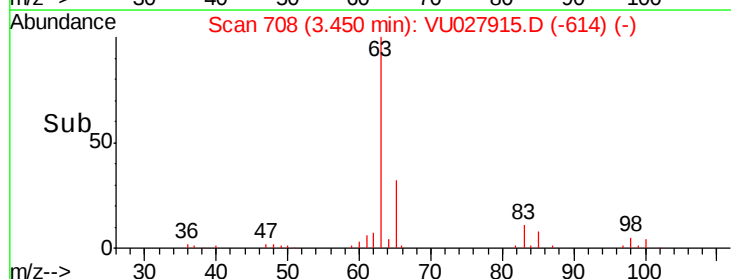
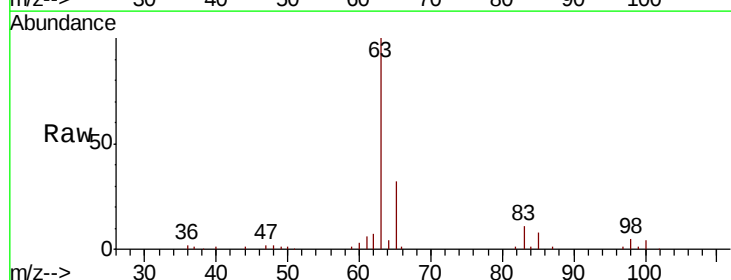
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#24
 1,1-Dichloroethane
 Concen: 20.280 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.9	8.6
100	3.6	2.0	6.0





#25

2-Butanone

Concen: 105.553 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 43 Resp: 238548

Ion Ratio Lower Upper

43 100

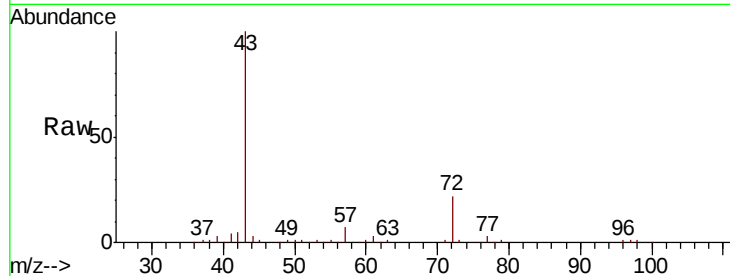
72 22.1 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

100000

80000

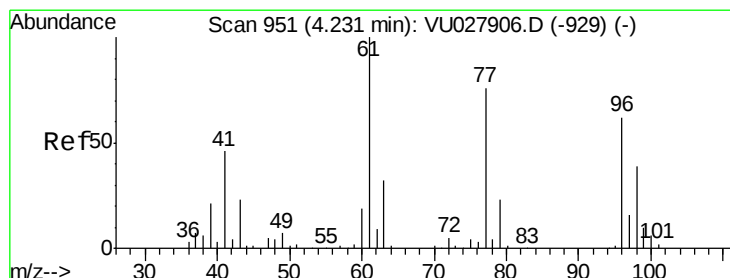
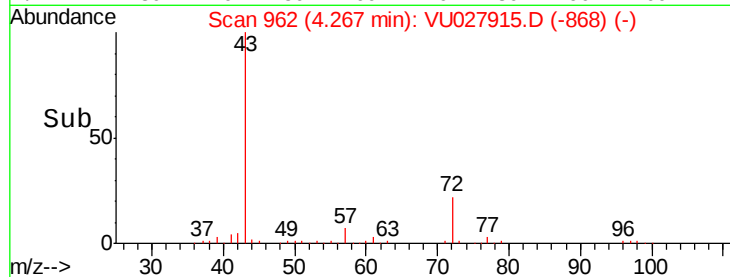
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.297 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027915.D

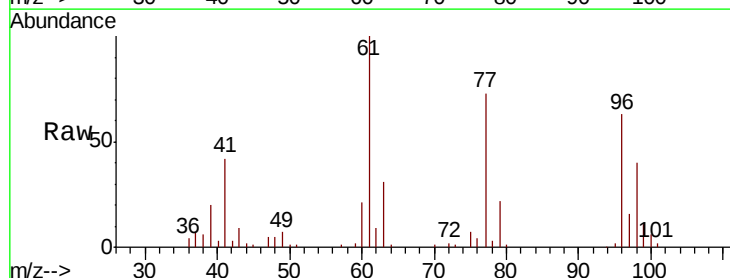
Acq: 02 Nov 2018 10:56

Tgt Ion: 77 Resp: 58746

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

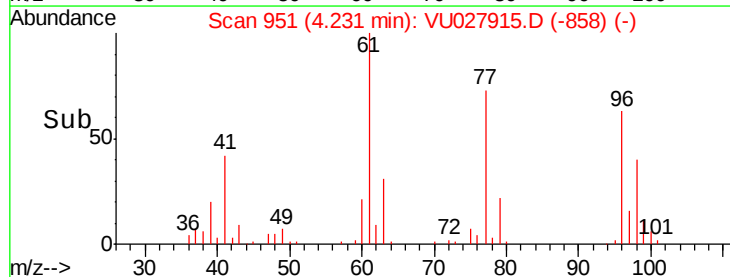
15000

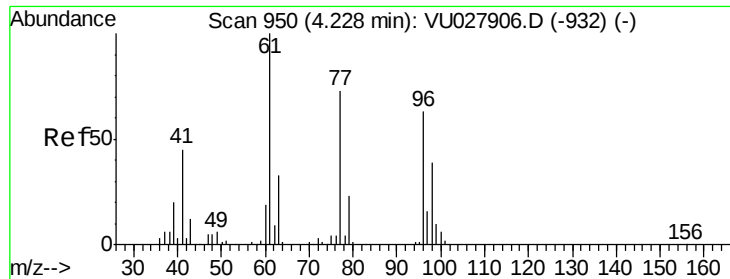
10000

5000

0

Time-->





#27

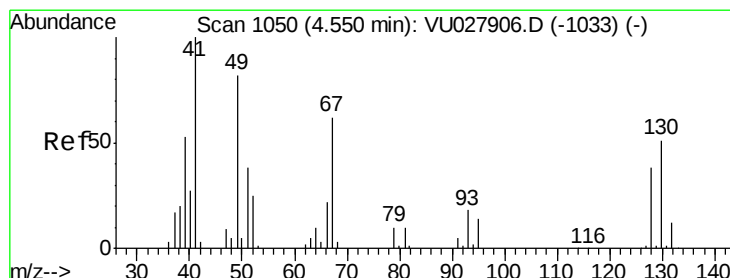
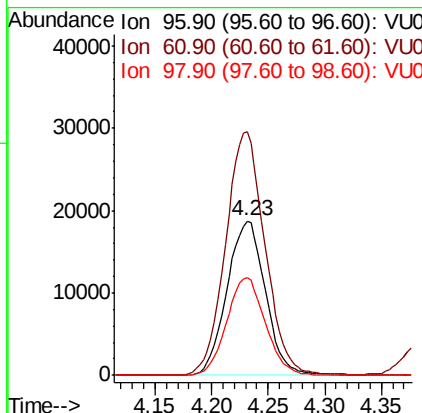
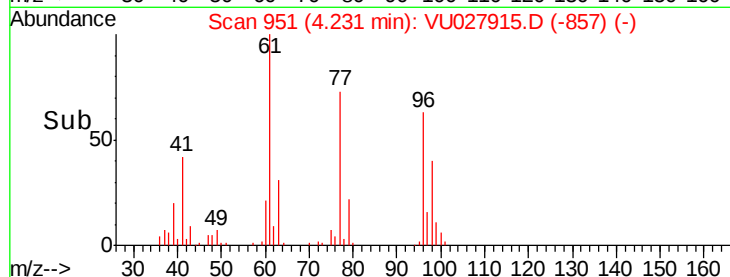
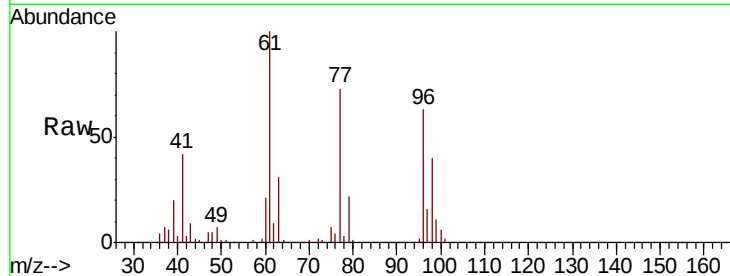
cis-1,2-Dichloroethene
Concen: 21.180 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	329.6
98	63.4	0.0	127.2

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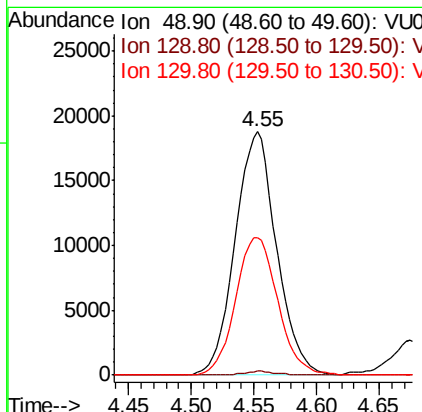
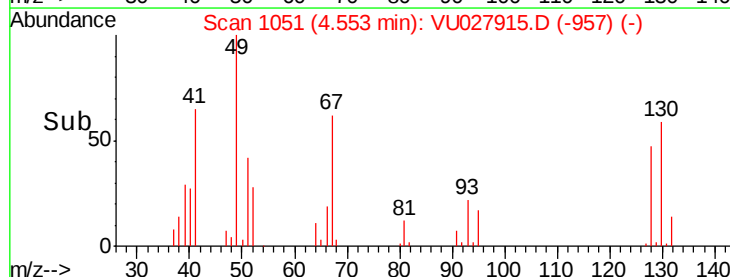
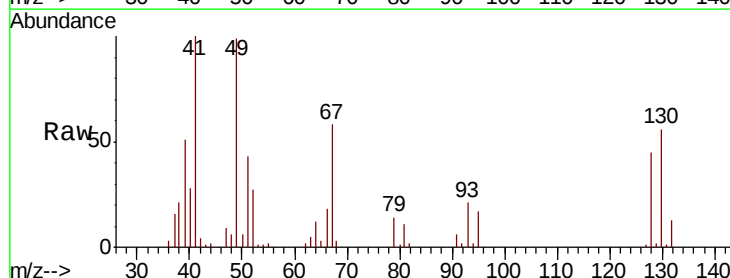
MMDadoda
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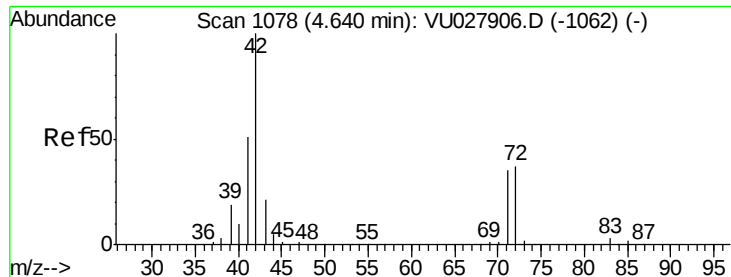


#28

Bromochloromethane
Concen: 22.617 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	57.5	47.8	71.6





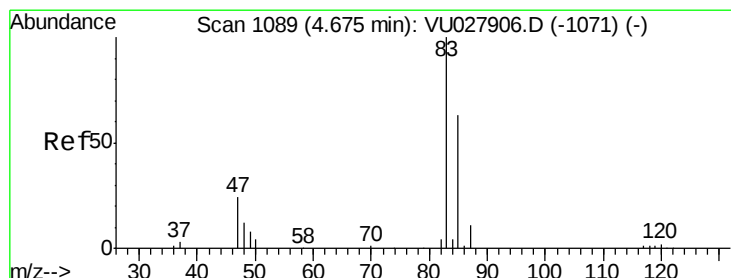
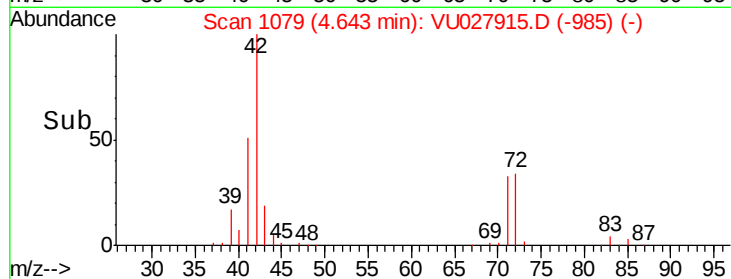
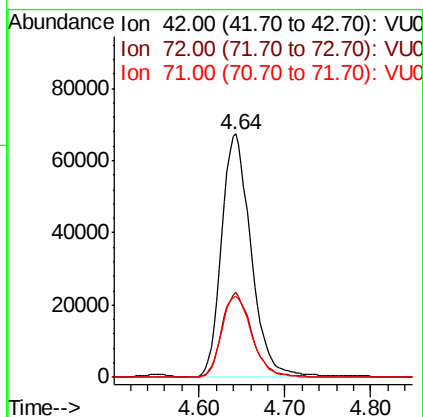
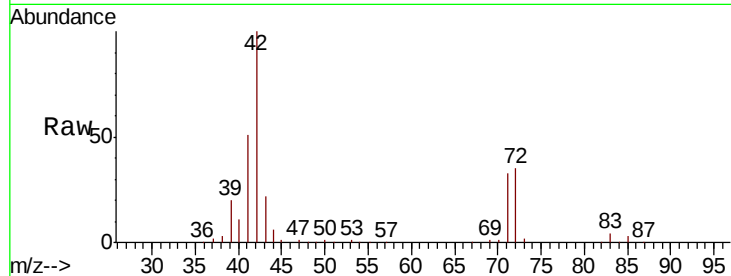
#29
Tetrahydrofuran
Concen: 106.291 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.4	44.0
71	34.3	27.9	41.9

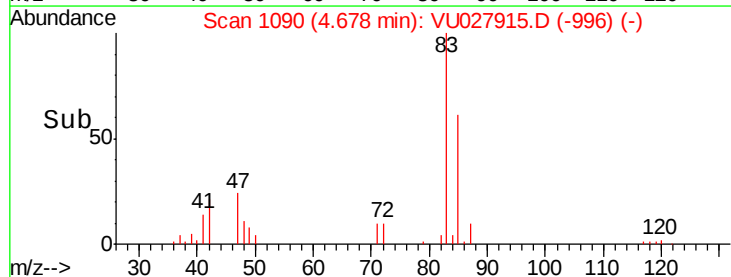
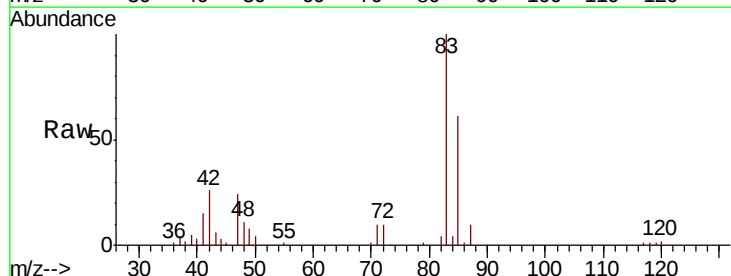
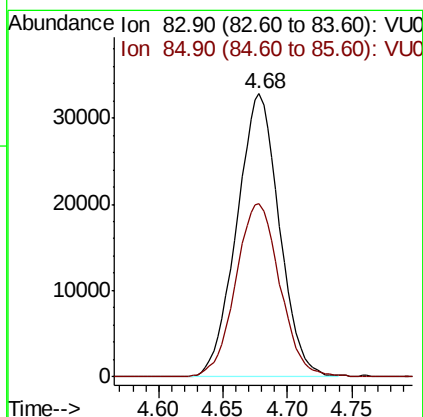
Manual Integrations
APPROVED

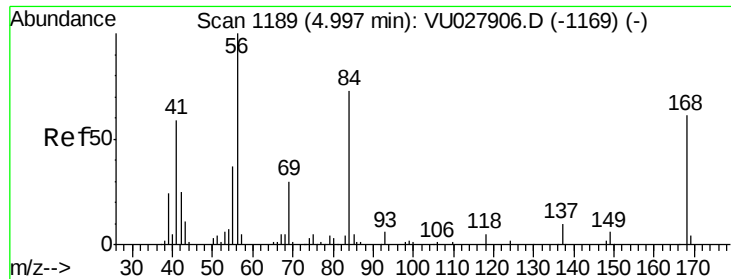
MMDadoda
11/5/2018 2:40:18 PM



#30
Chloroform
Concen: 20.242 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.6	76.0





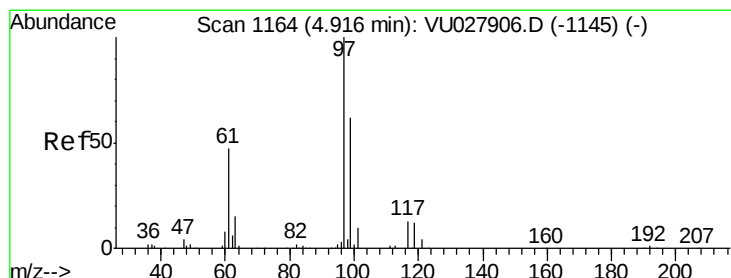
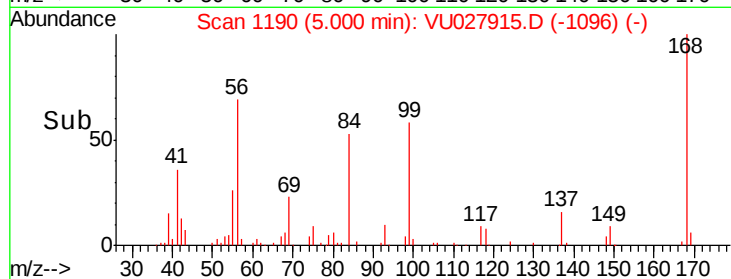
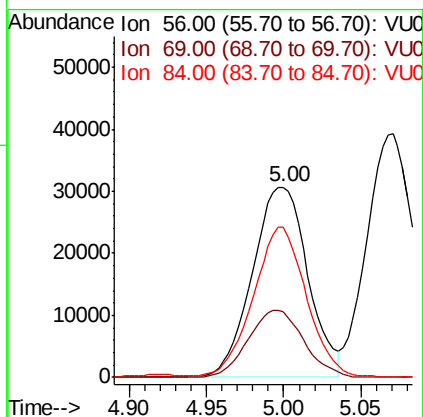
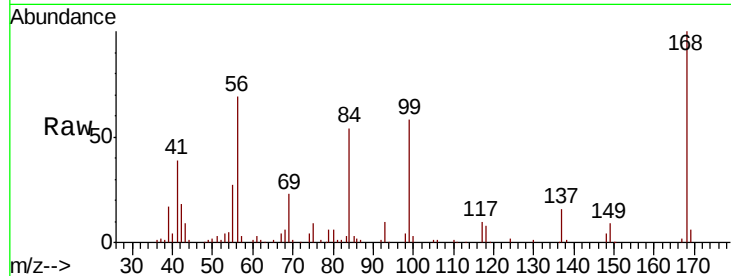
#31
Cyclohexane
Concen: 18.222 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampled :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	23.7	35.5
84	77.9	58.2	87.4

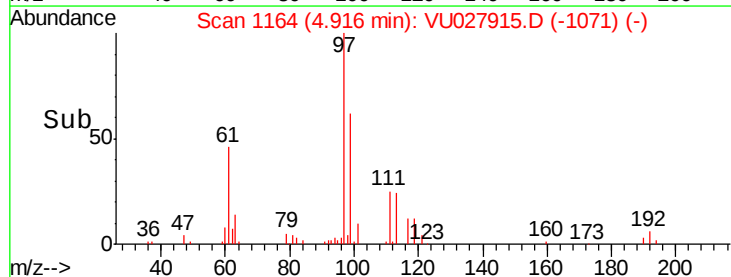
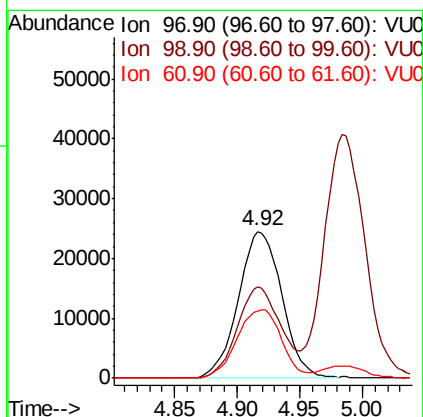
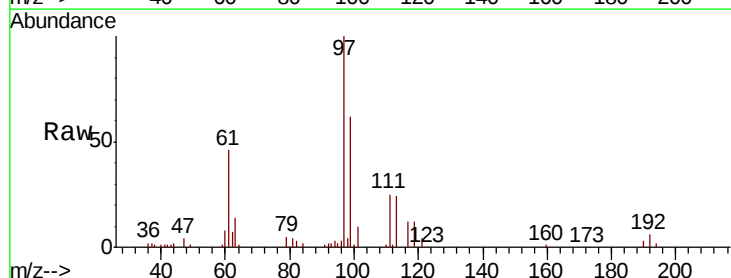
Manual Integrations
APPROVED

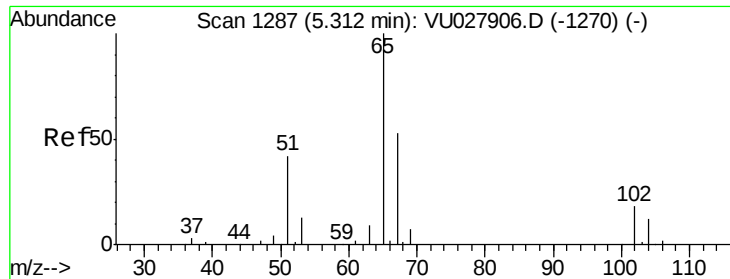
MMDadoda
11/5/2018 2:40:18 PM



#32
1,1,1-Trichloroethane
Concen: 19.927 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.5	75.7
61	47.9	38.3	57.5





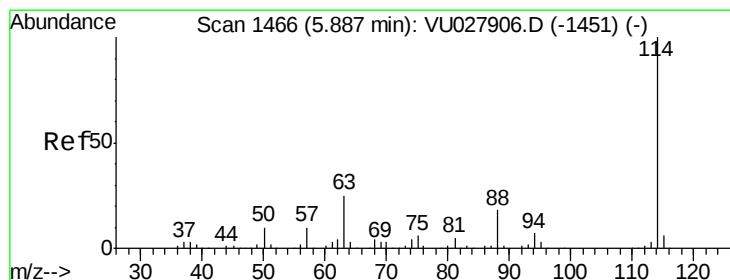
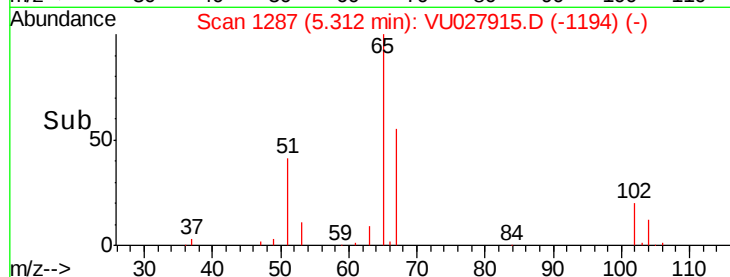
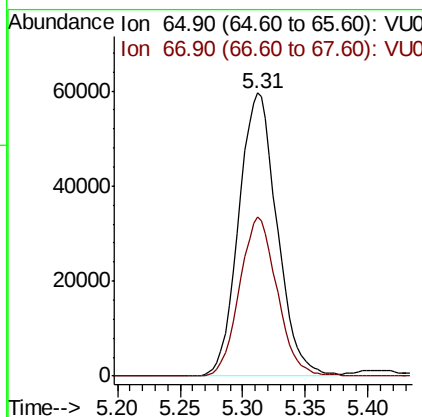
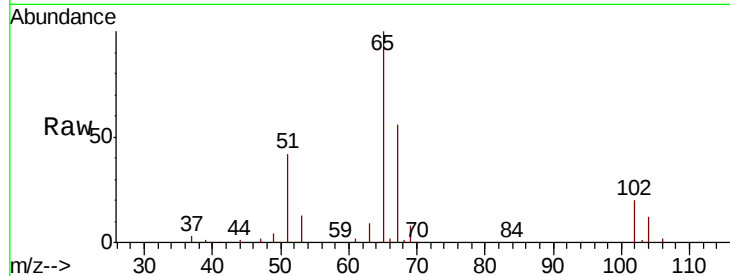
#33
 1,2-Dichloroethane-d4
 Concen: 55.364 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	109.0

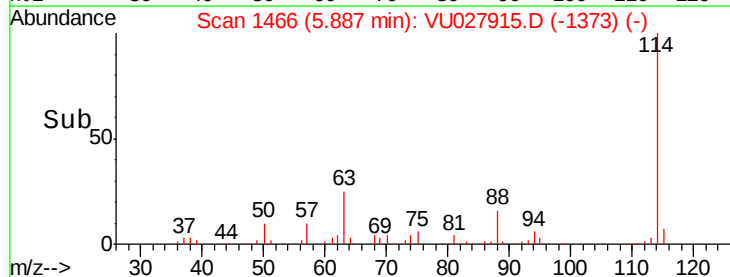
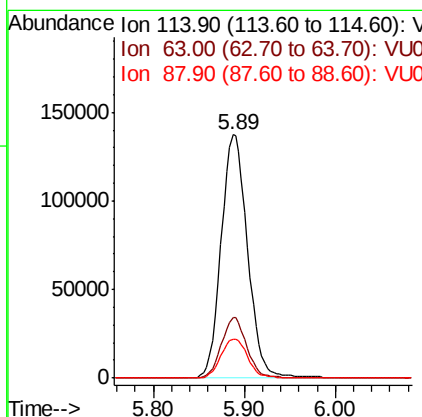
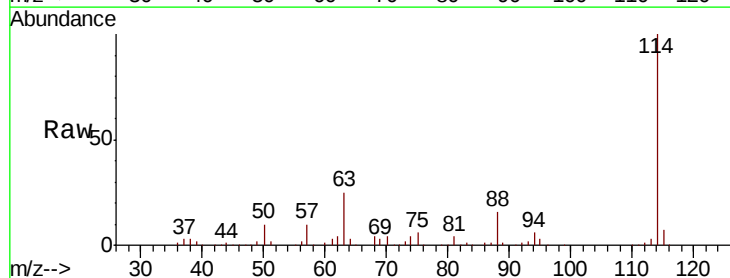
Manual Integrations
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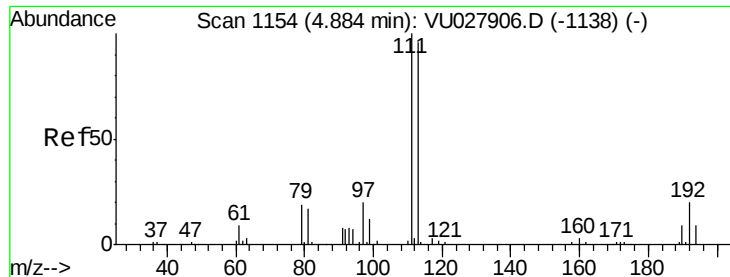
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 11/5/2018 2:40:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	50.8
88	15.8	0.0	35.8





#35

Dibromofluoromethane

Concen: 53.370 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

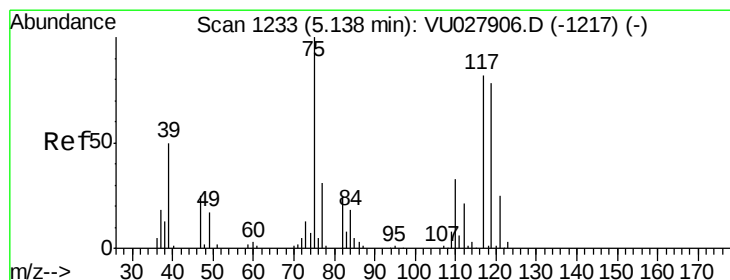
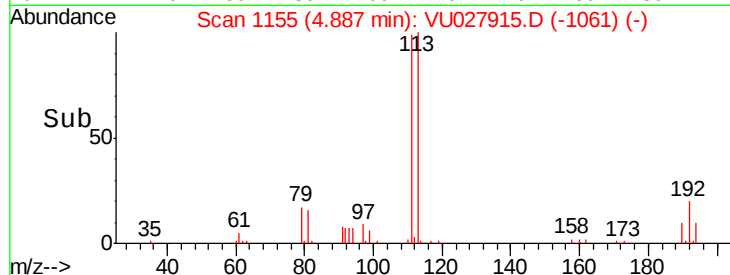
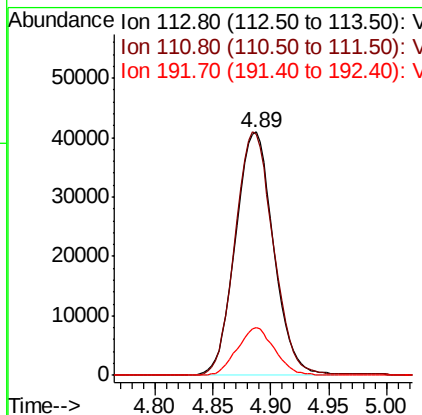
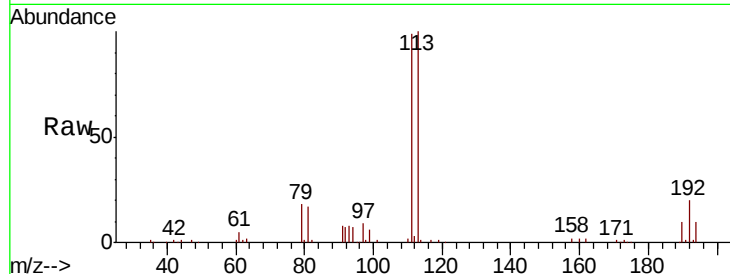
ClientSampleId :

VU1102WBS01

Tot Ion:	113	Resp:	93458
Ion Ratio	Lower	Upper	
113	100		
111	100.3	83.0	124.6
192	19.2	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.982 ug/l

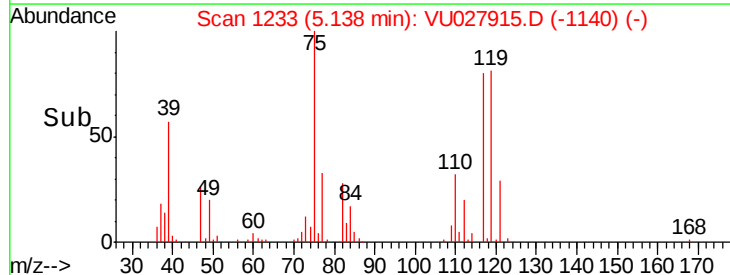
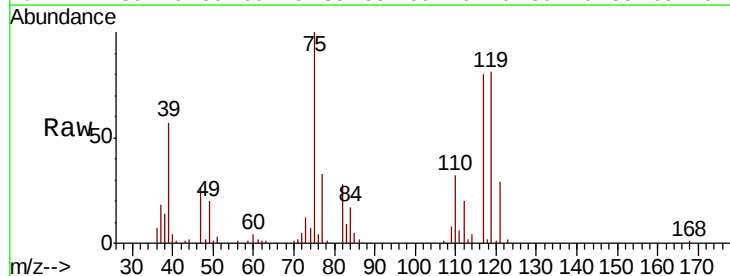
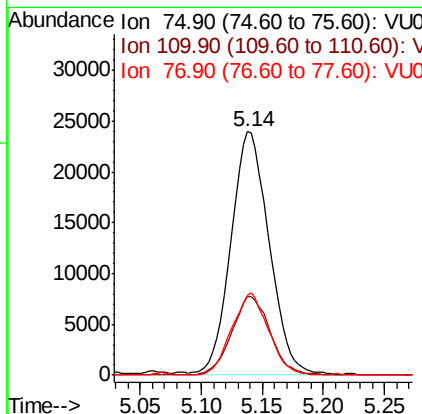
RT: 5.14 min Scan# 1233

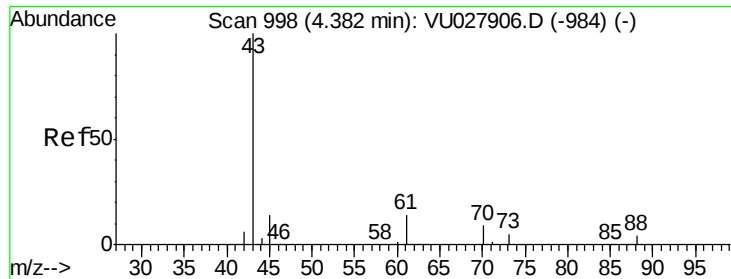
Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	75	Resp:	52307
Ion Ratio	Lower	Upper	
75	100		
110	32.2	16.5	49.5
77	32.1	24.9	37.3





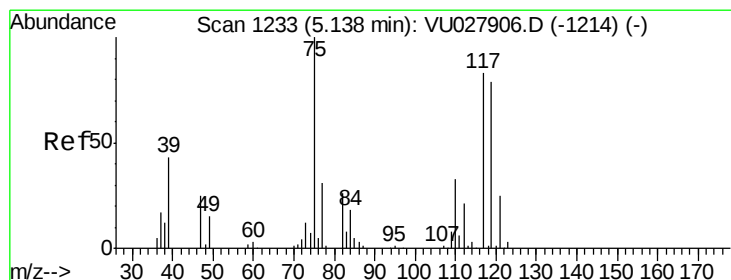
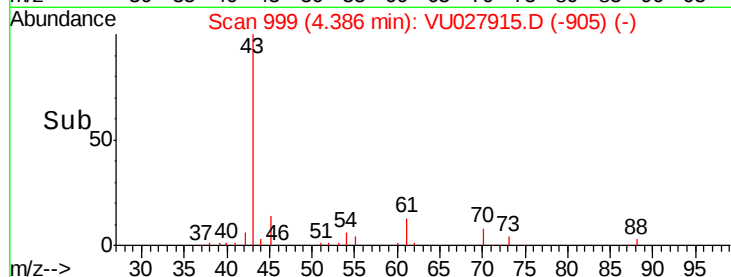
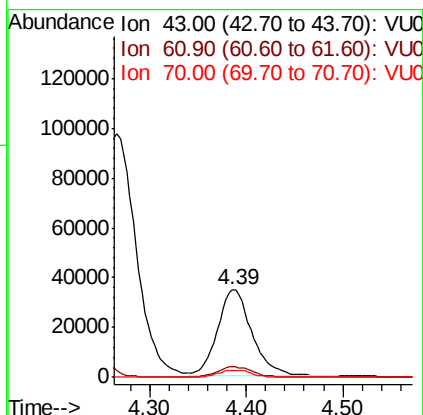
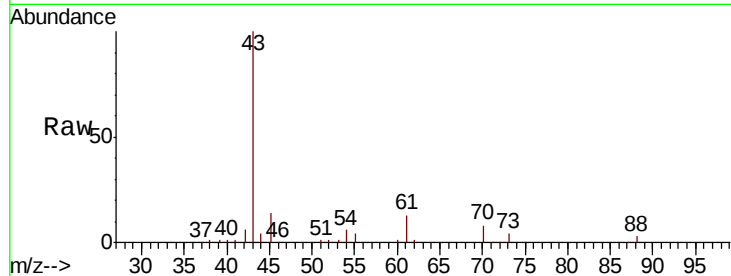
#37
Ethyl Acetate
Concen: 20.420 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.3	15.5
70	8.2	7.0	10.6

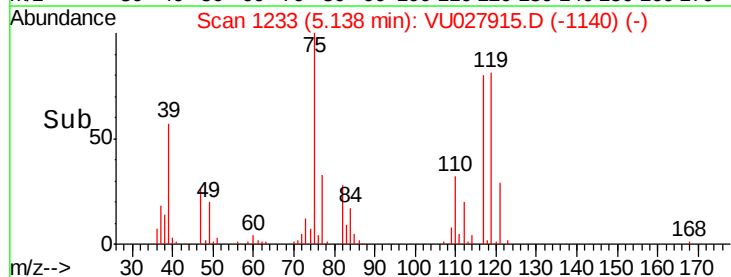
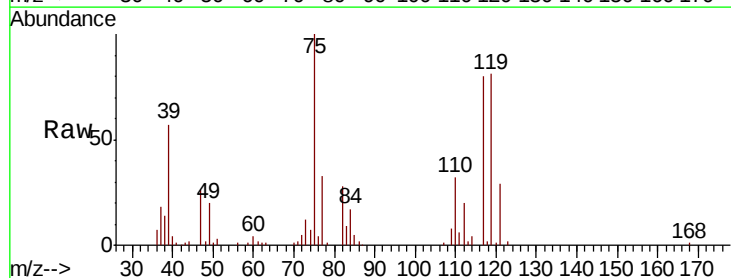
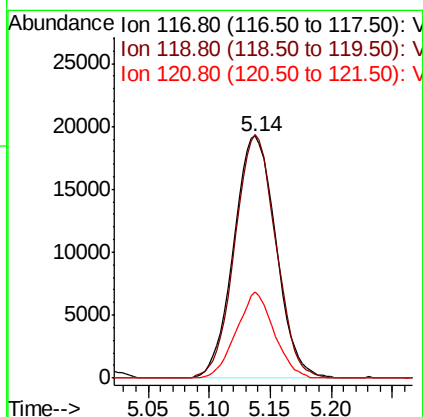
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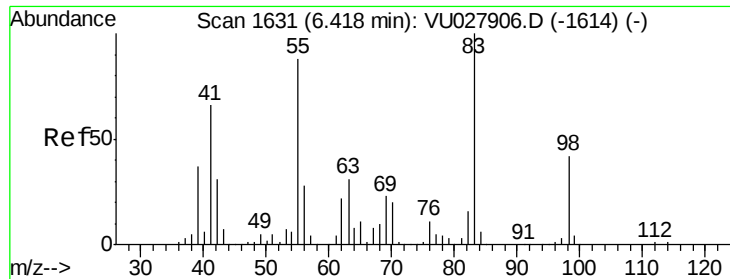
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11/5/2018 2:40:18 PM



#38
Carbon Tetrachloride
Concen: 17.860 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	76.0	114.0
121	35.7	24.5	36.7





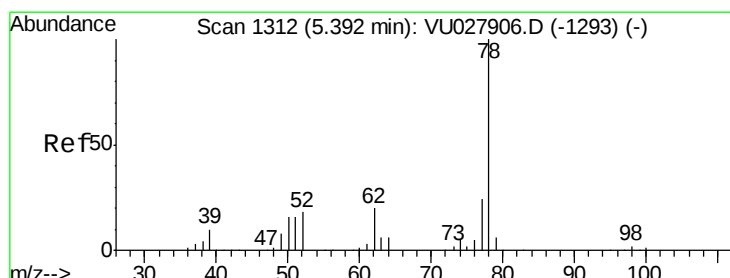
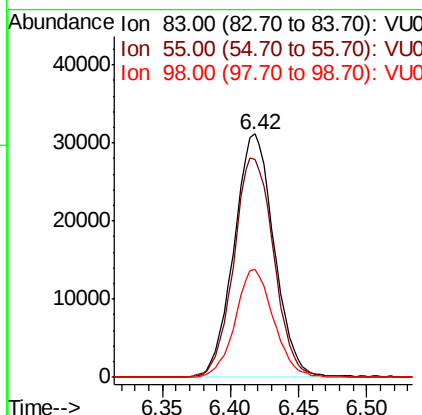
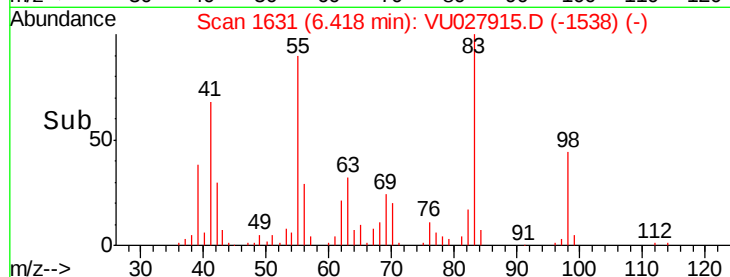
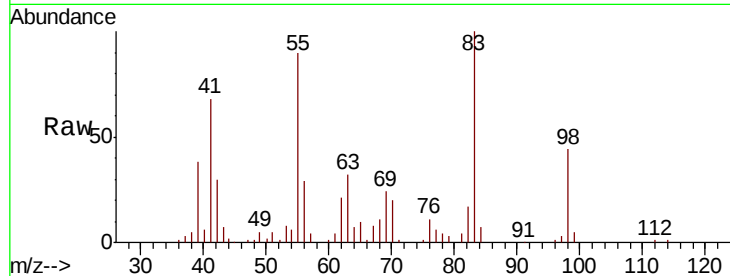
#39
Methylvlcvclohexane
Concen: 18.131 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	83.00	Resp	63610
Ion Ratio	Lower	Upper	
83	100		
55	89.8	70.3	105.5
98	44.3	34.0	51.0

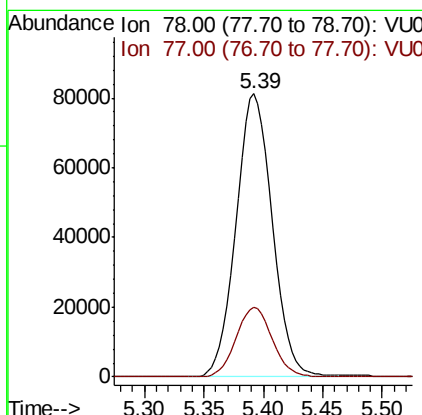
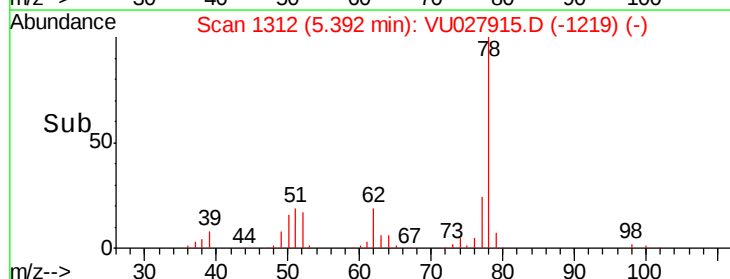
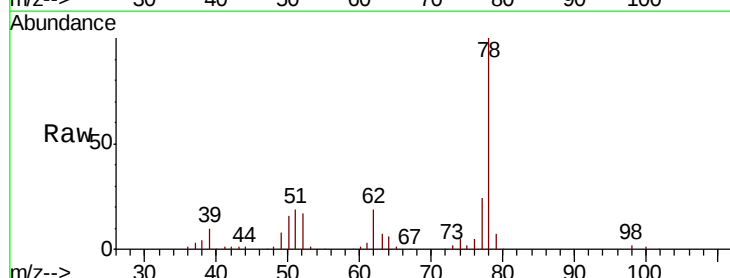
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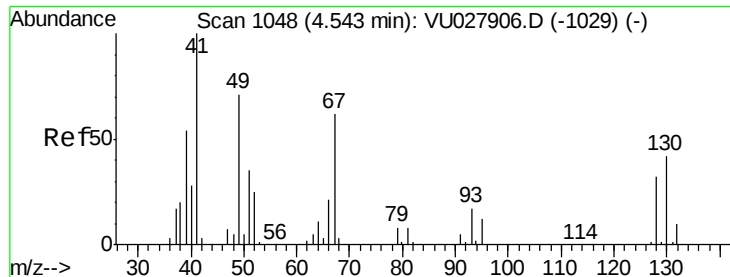
MMDadoda
11/5/2018 2:40:18 PM



#40
Benzene
Concen: 19.335 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	78	Resp	171949
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.3	28.9





#41

Methacrylonitrile

Concen: 21.566 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 41 Resp: 49053

Ion Ratio Lower Upper

41 100

39 51.1 42.2 63.4

67 61.2 49.5 74.3

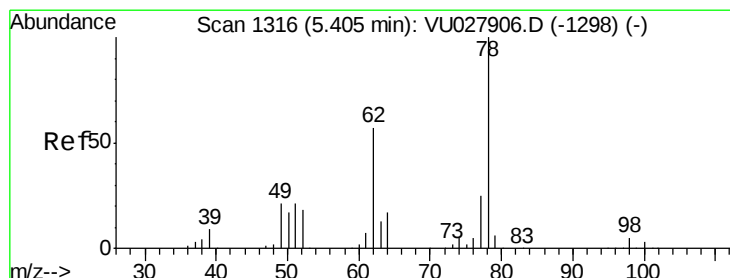
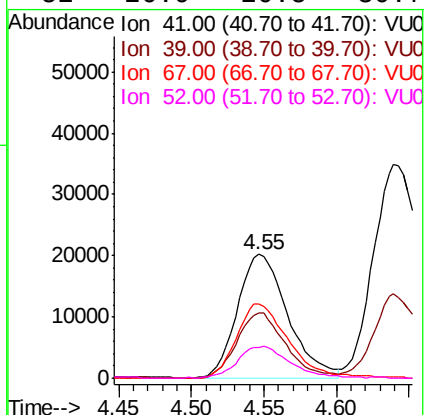
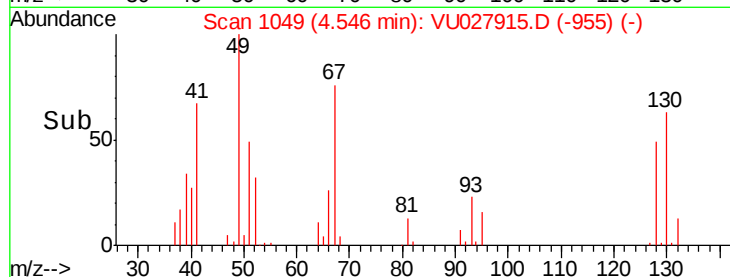
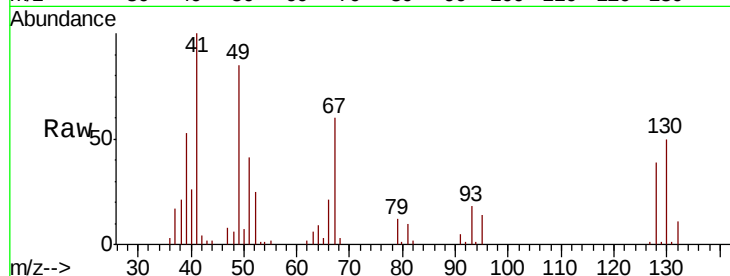
52 26.9 20.5 30.7

Manual Integrations

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11/5/2018 2:40:18 PM



#42

1,2-Dichloroethane

Concen: 19.970 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU027915.D

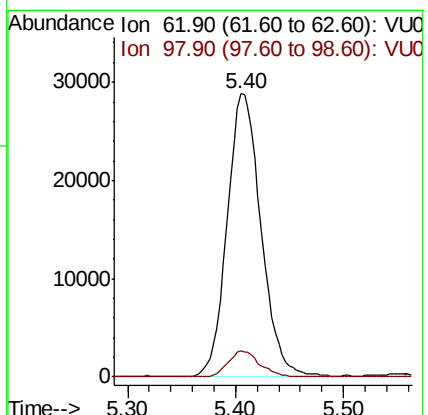
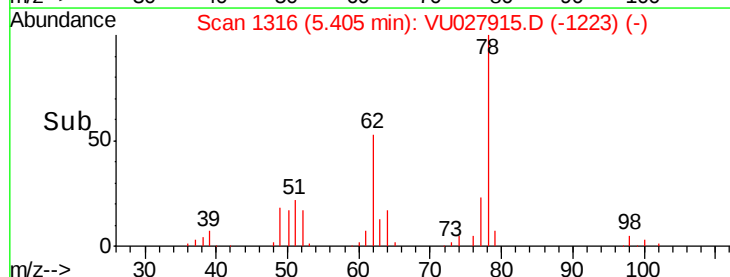
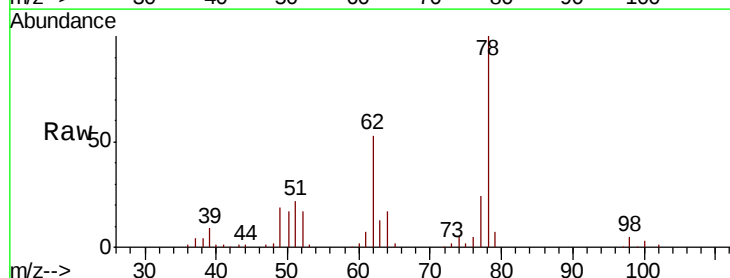
Acq: 02 Nov 2018 10:56

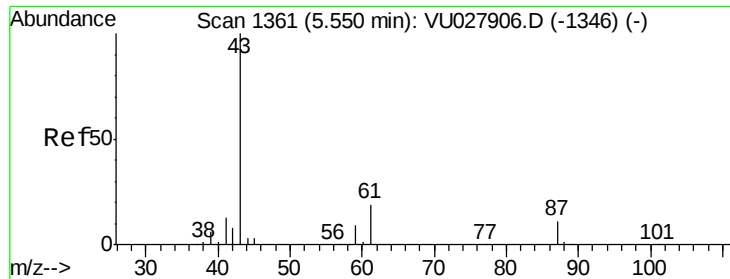
Tgt Ion: 62 Resp: 63129

Ion Ratio Lower Upper

62 100

98 8.5 0.0 17.2





#43

Isopropyl Acetate

Concen: 20.334 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

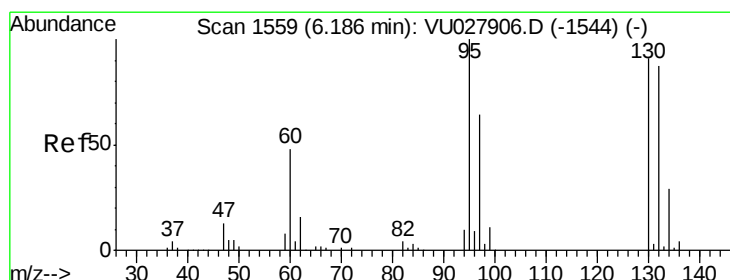
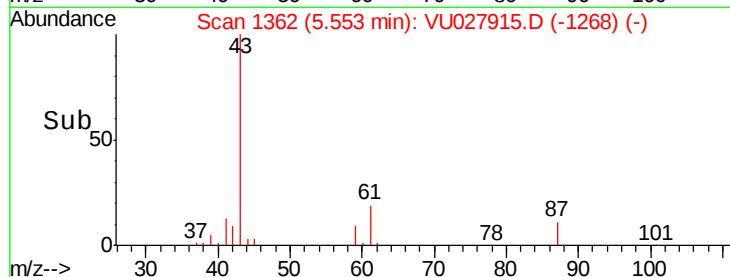
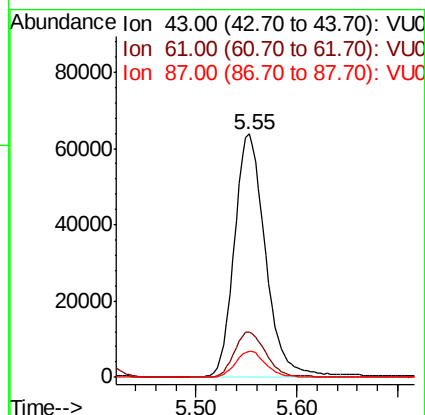
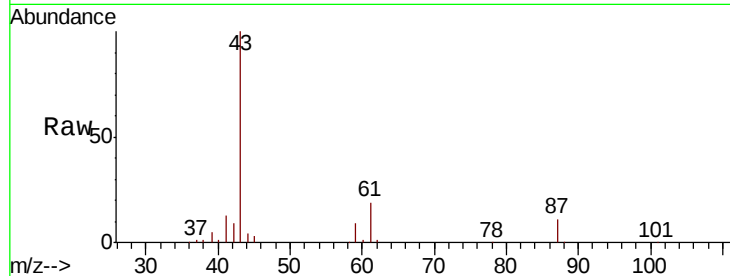
ClientSampleId :

VU1102WBS01

Tot Ion:	43	Resp:	135776
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.0	22.4
87	10.5	8.6	12.8

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#44

Trichloroethene

Concen: 18.554 ug/l

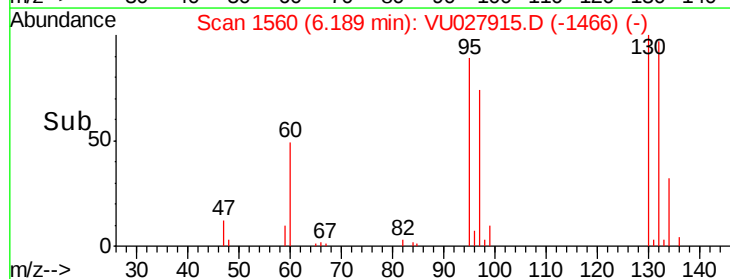
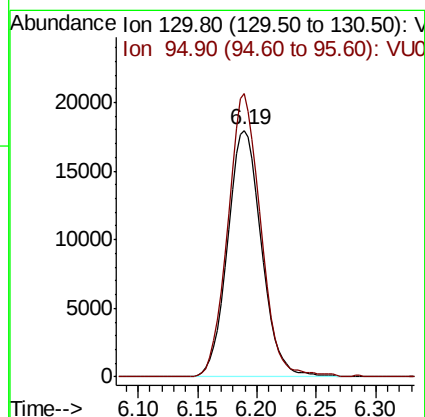
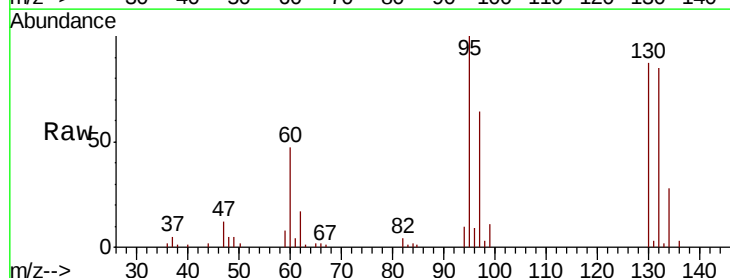
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	130	Resp:	35469
Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	219.2





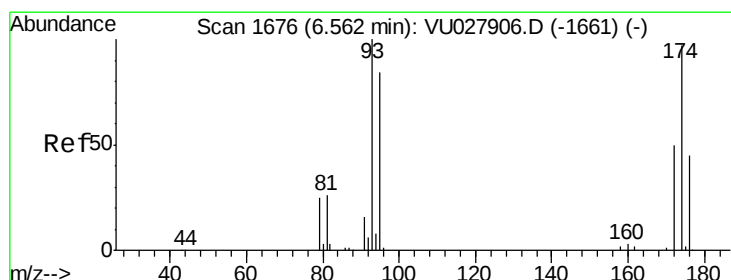
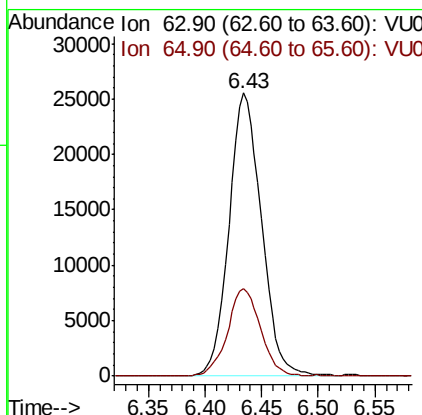
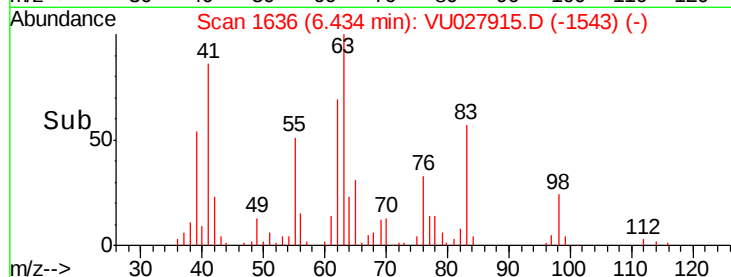
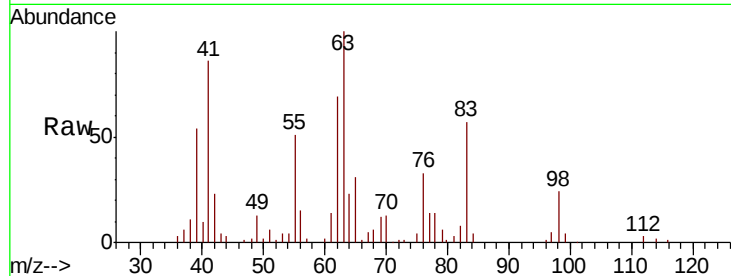
#45
 1,2-Dichloropropane
 Concen: 19.919 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 63 Resp: 51087
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6

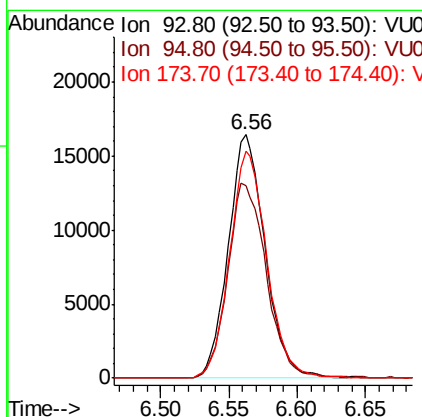
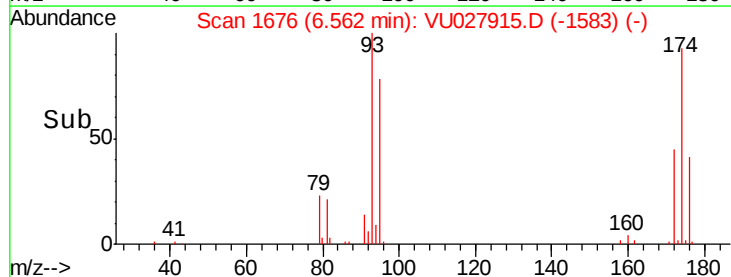
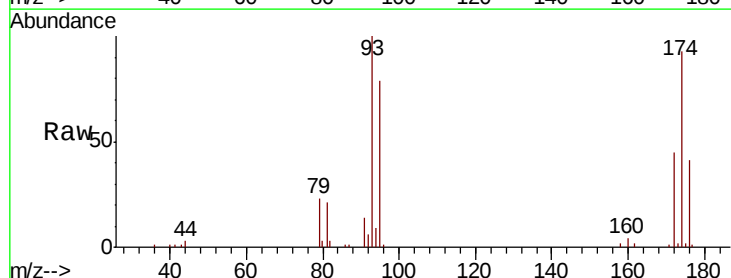
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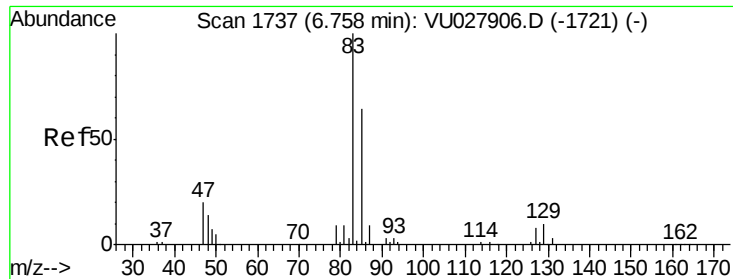
MMDadoda
 11/5/2018 2:40:18 PM



#46
 Dibromomethane
 Concen: 20.876 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 93 Resp: 30776
 Ion Ratio Lower Upper
 93 100
 95 83.8 68.5 102.7
 174 94.0 76.1 114.1





#47

Bromodichloromethane

Concen: 19.817 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

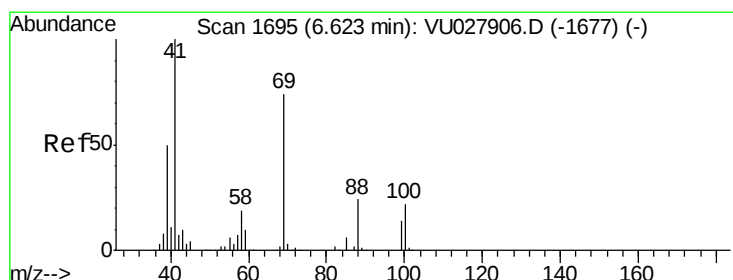
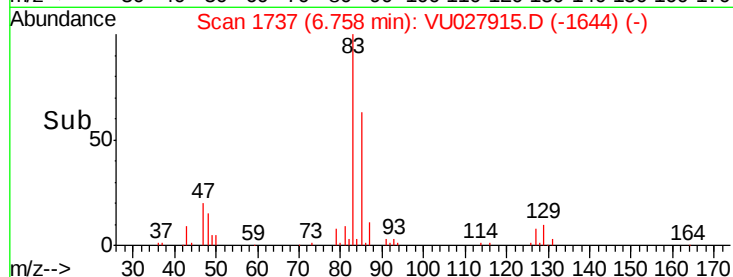
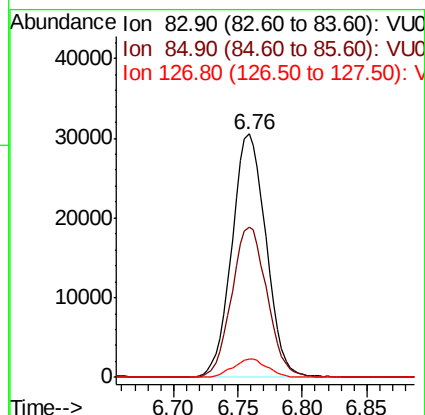
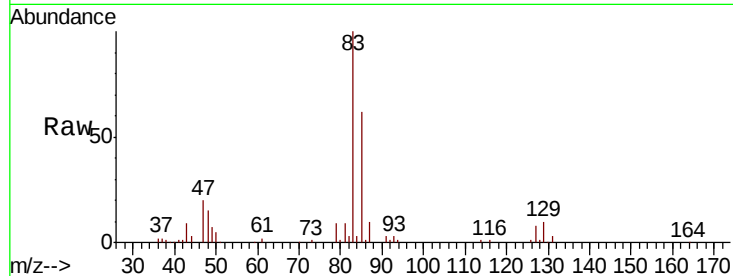
ClientSampleId :

VU1102WBS01

Tot Ion:	83	Resp:	56302
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.6
127	7.8	6.2	9.4

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#48

Methyl methacrylate

Concen: 20.910 ug/l

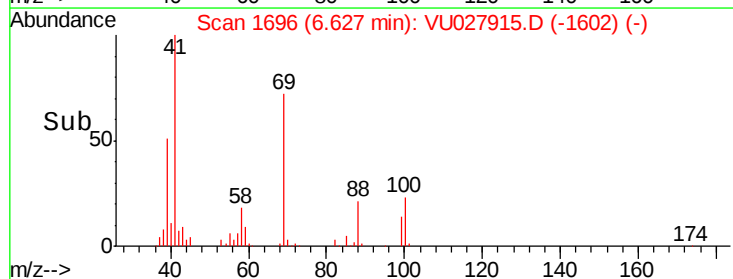
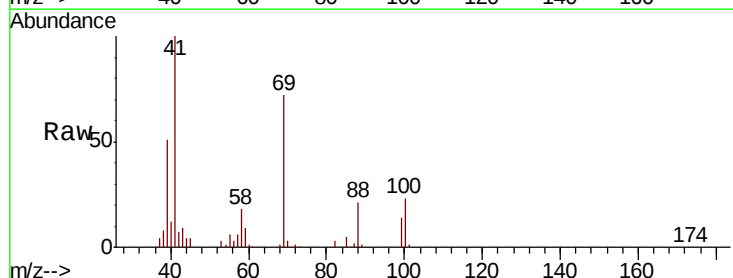
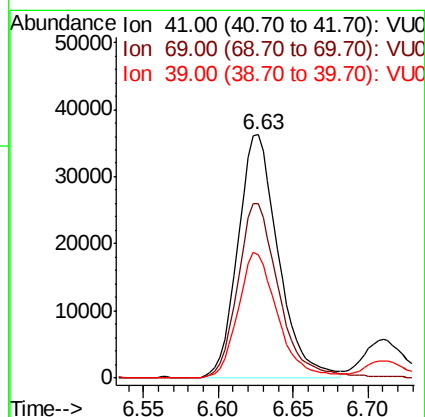
RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	41	Resp:	68421
Ion	Ratio	Lower	Upper
41	100		
69	72.7	59.8	89.8
39	50.7	40.0	60.0





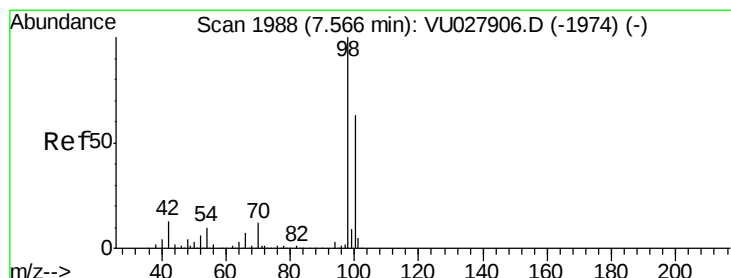
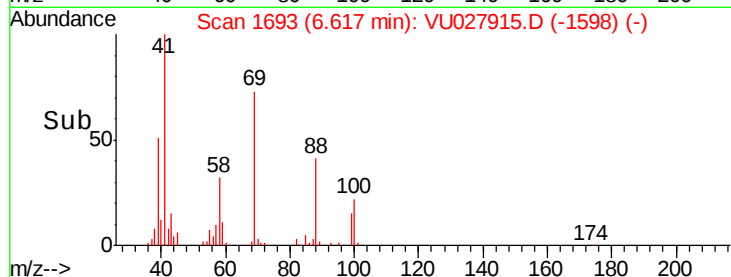
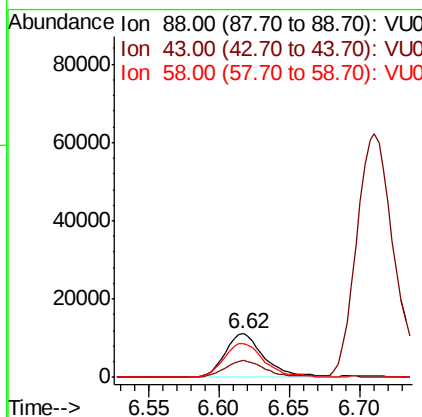
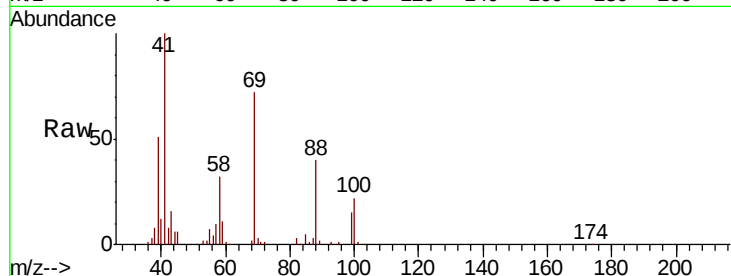
#49
1,4-Dioxane
Concen: 410.766 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	30.5	45.7
58	79.9	67.1	100.7

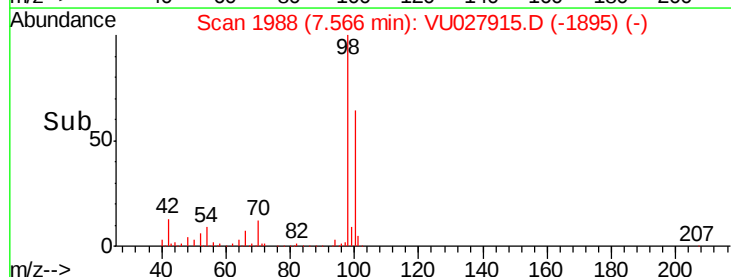
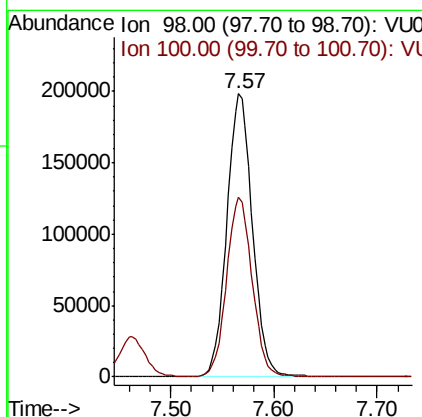
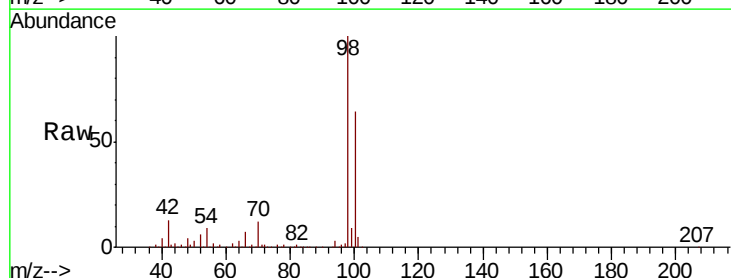
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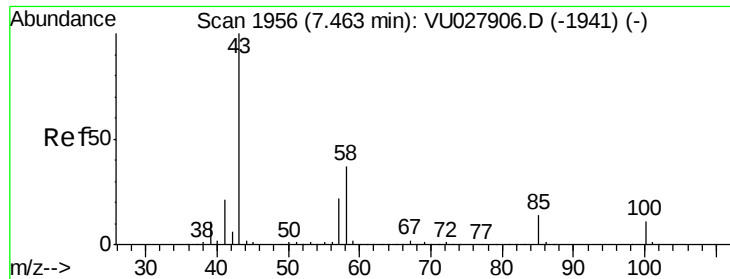
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#50
Toluene-d8
Concen: 50.810 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 100.752 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 43 Resp: 449285

Ion Ratio Lower Upper

43 100

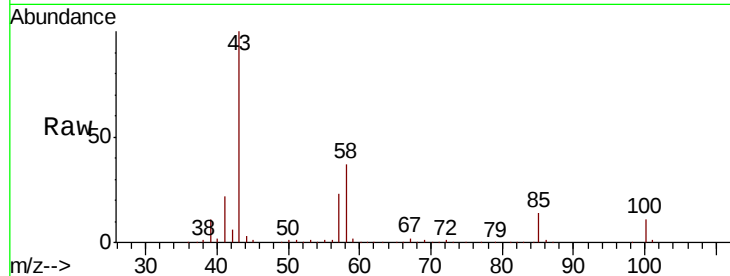
58 37.2 29.5 44.3

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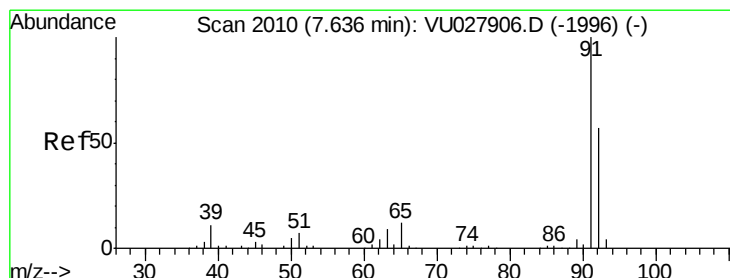
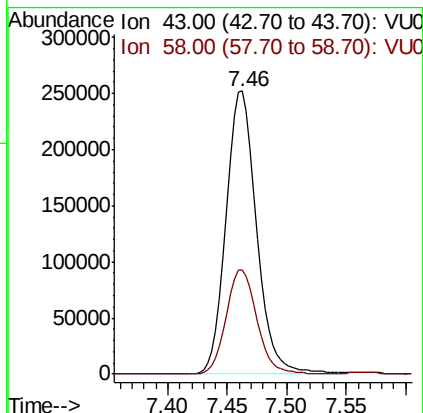
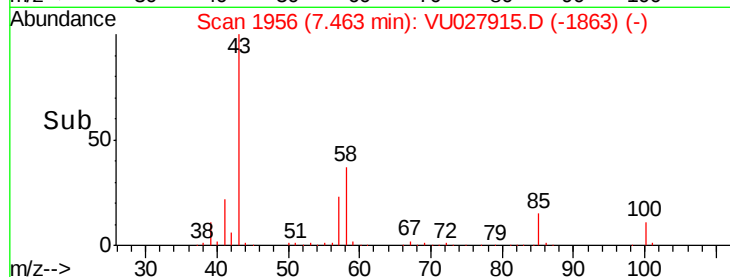


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

Time-->



#52

Toluene

Concen: 19.416 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027915.D

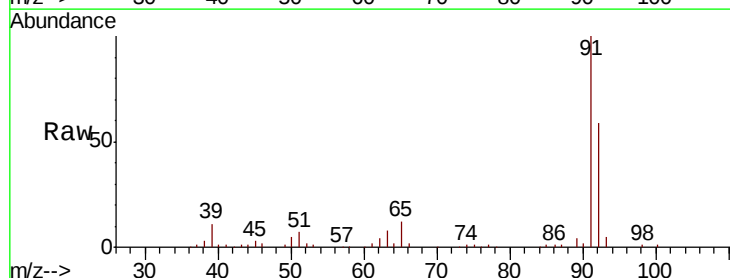
Acq: 02 Nov 2018 10:56

Tgt Ion: 92 Resp: 101512

Ion Ratio Lower Upper

92 100

91 171.3 141.2 211.8

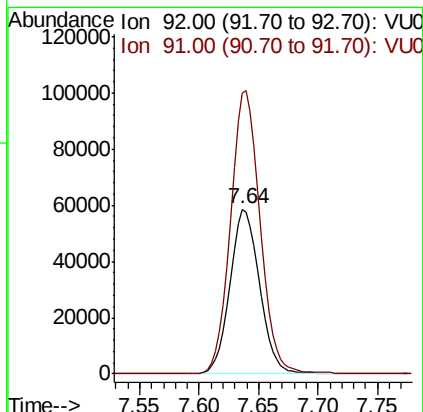
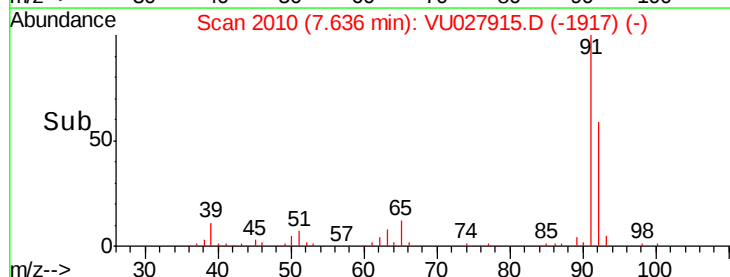


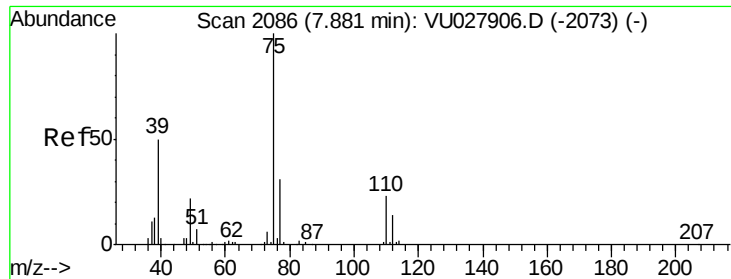
Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

Time-->





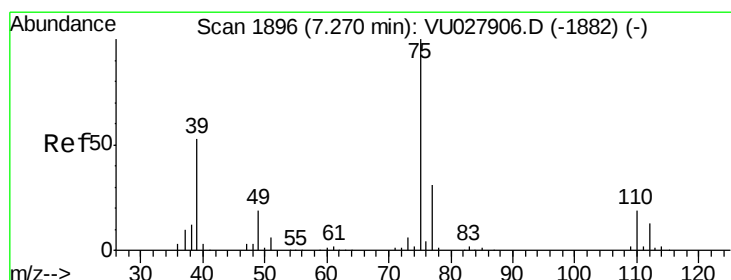
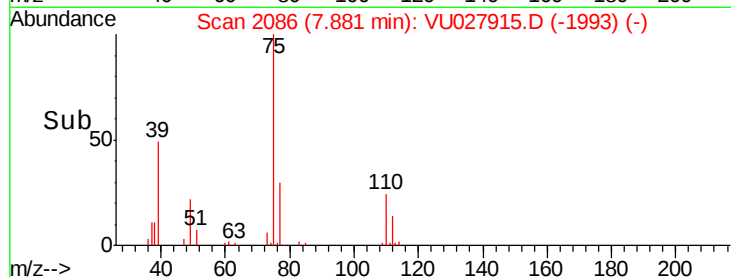
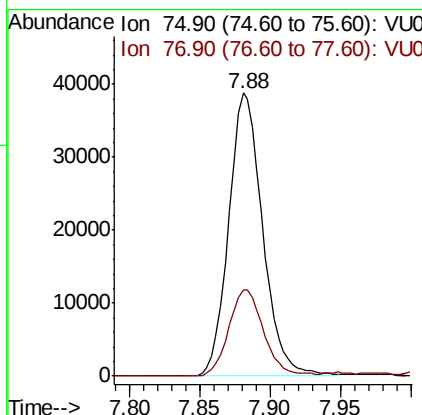
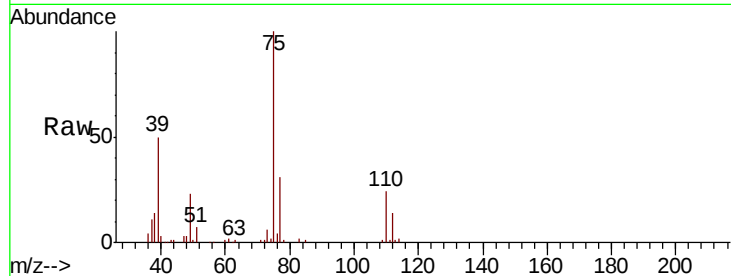
#53
 t-1,3-Dichloropropene
 Concen: 19.287 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 75 Resp: 65478
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.1 37.7

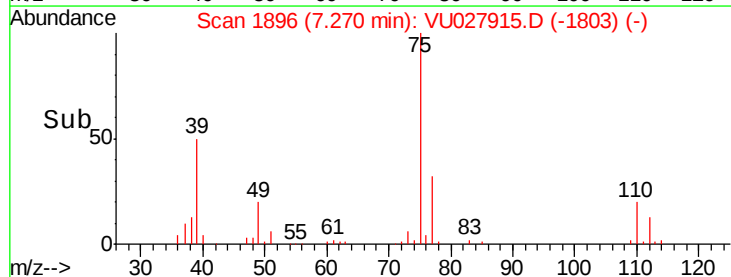
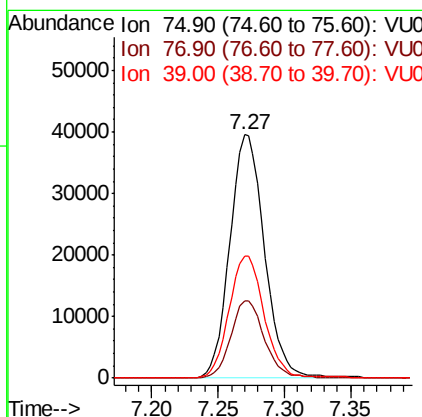
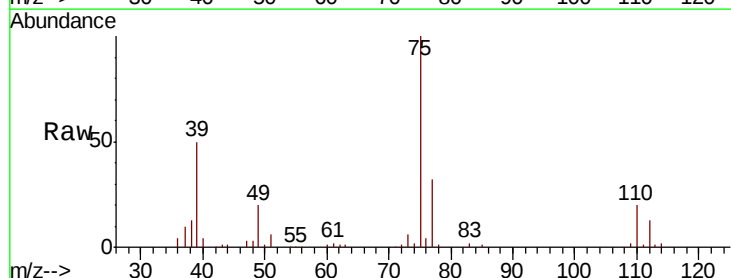
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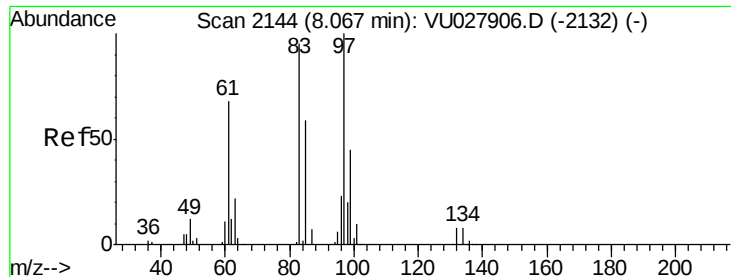
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 11/5/2018 2:40:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.538 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 75 Resp: 71929
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 49.9 42.6 64.0





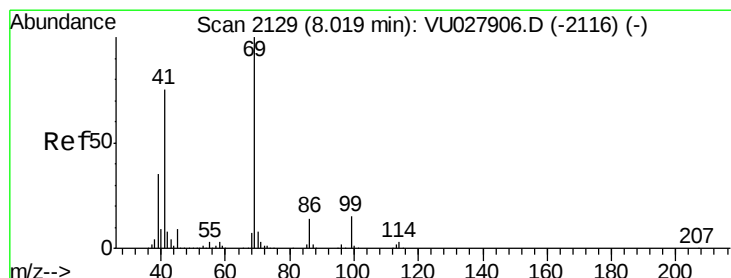
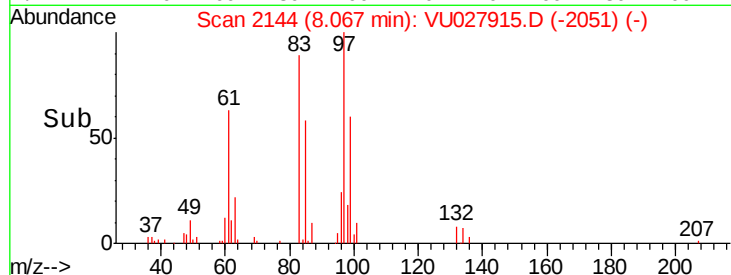
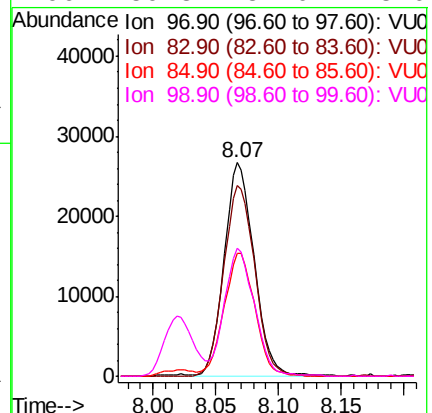
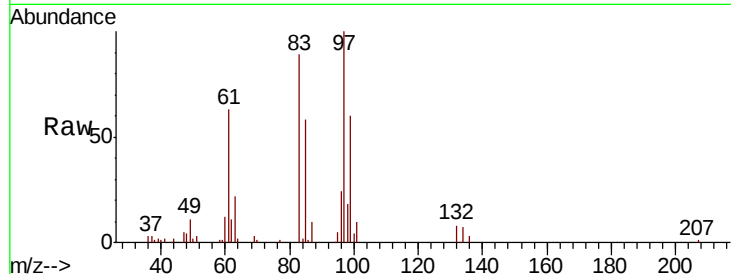
#55
 1,1,2-Trichloroethane
 Concen: 20.849 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:	97	Resp:	44347
Ion	Ratio	Lower	Upper
97	100		
83	89.3	76.1	114.1
85	57.5	48.9	73.3
99	59.8	52.0	78.0

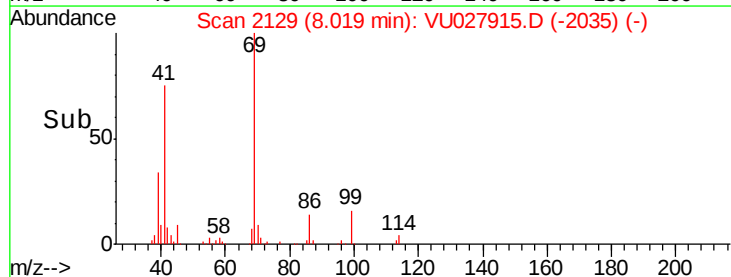
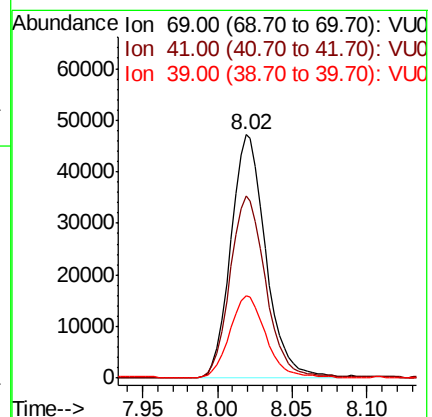
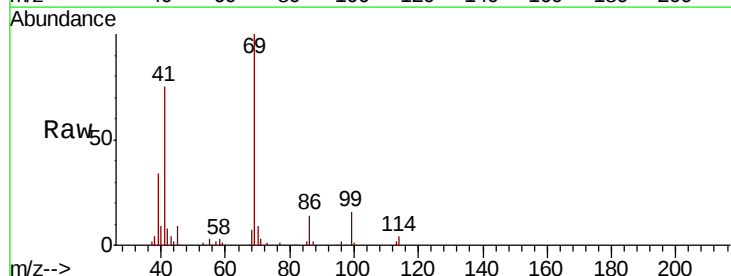
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#56
 Ethyl methacrylate
 Concen: 20.487 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion:	69	Resp:	76851
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.8	89.6
39	35.7	28.6	42.8





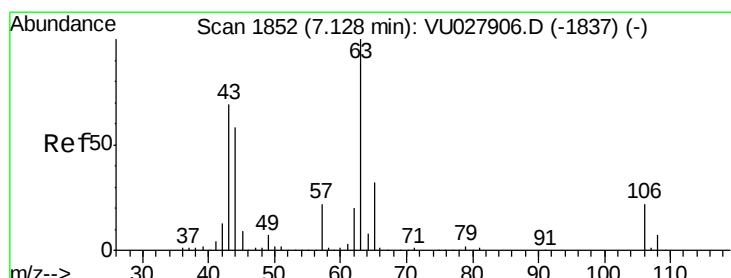
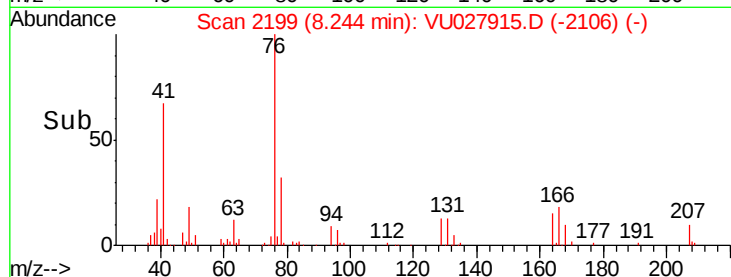
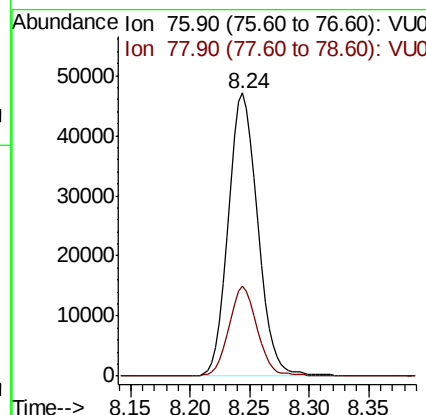
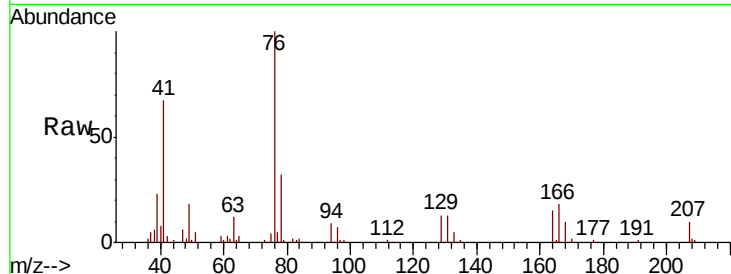
#57
 1,3-Dichloropropane
 Concen: 20.937 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.4	25.3	37.9

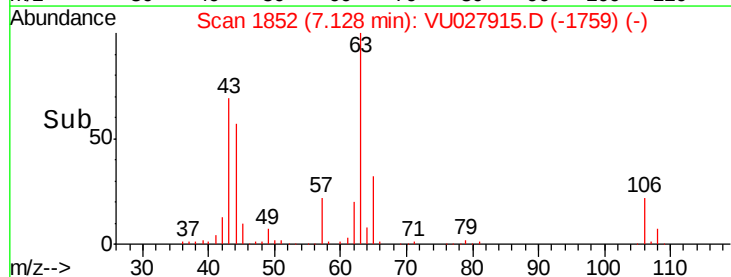
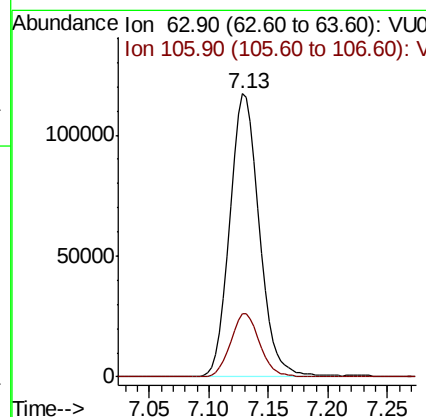
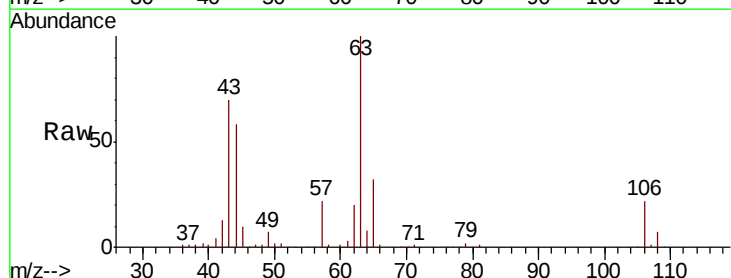
Manual Integrations
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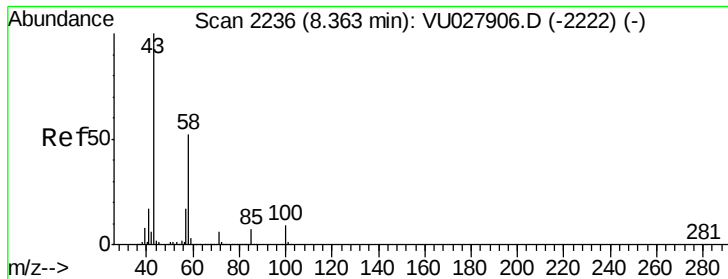
MMDadoda
 11/5/2018 2:40:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.781 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	17.8	26.6





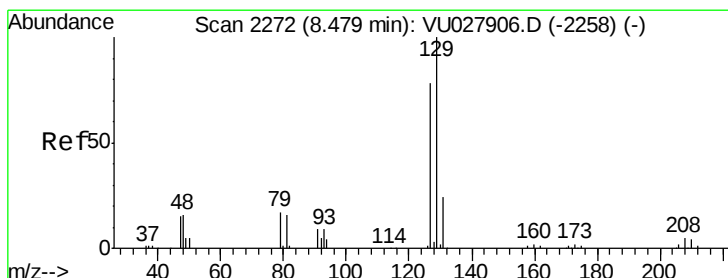
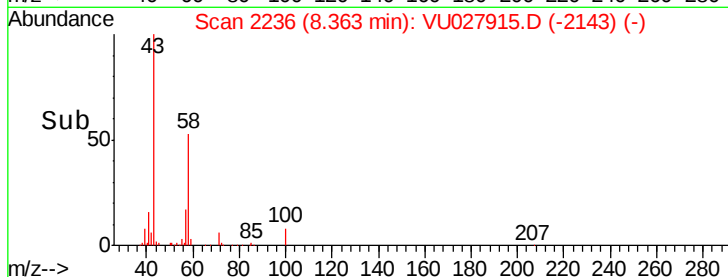
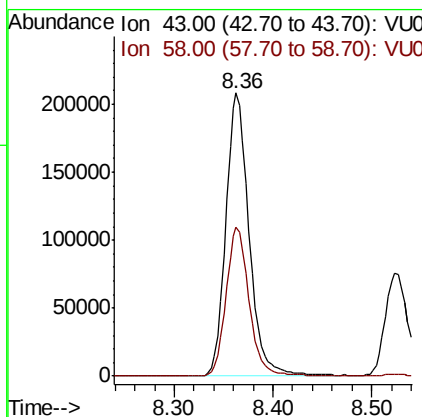
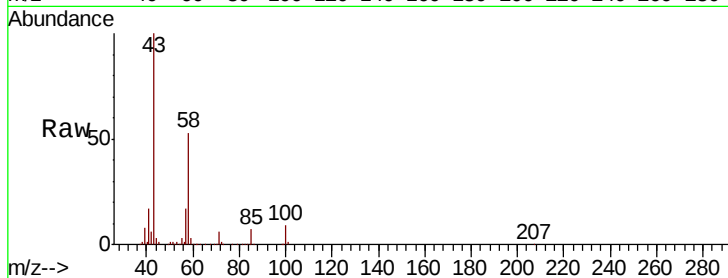
#59
2-Hexanone
Concen: 99.822 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 43 Resp: 344285
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3

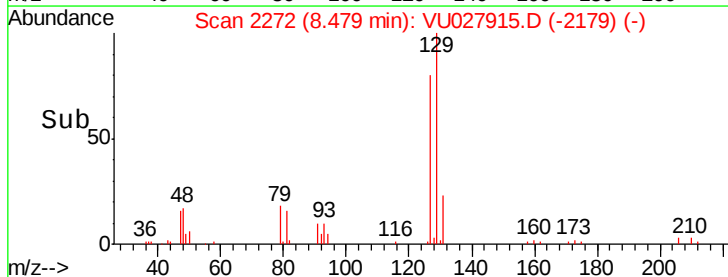
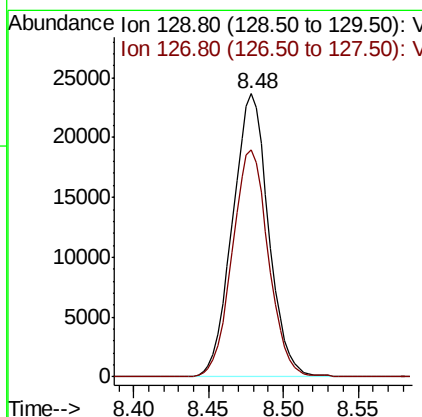
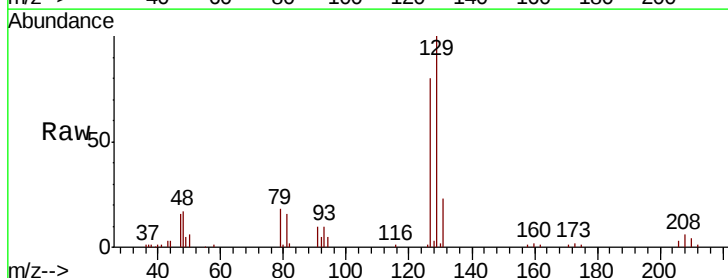
Manual Integrations
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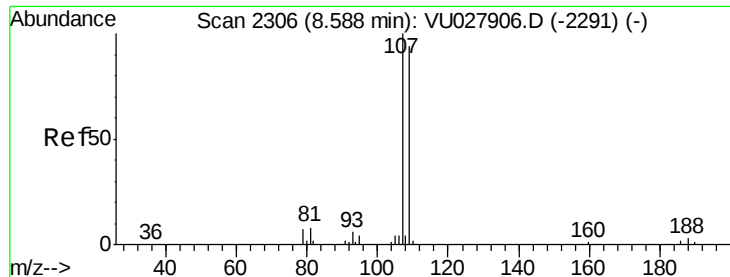
MMDadoda
11/5/2018 2:40:18 PM



#60
Dibromochloromethane
Concen: 19.725 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 129 Resp: 39702
Ion Ratio Lower Upper
129 100
127 80.5 39.2 117.6





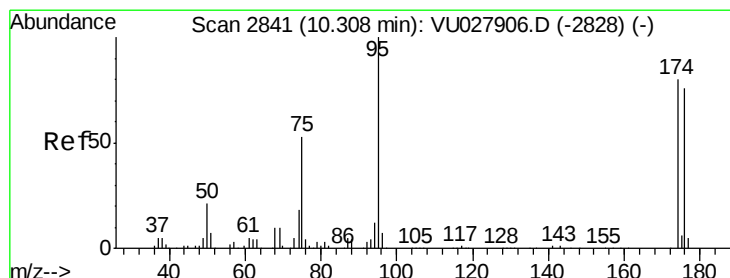
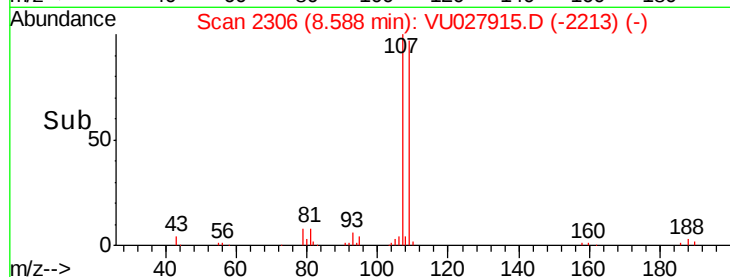
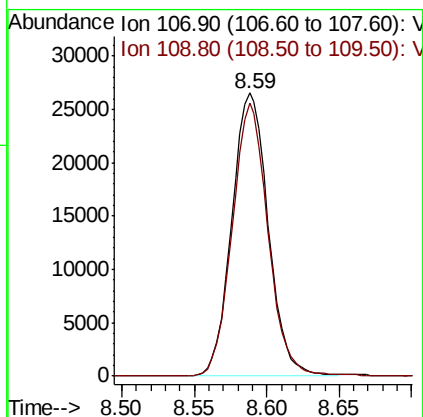
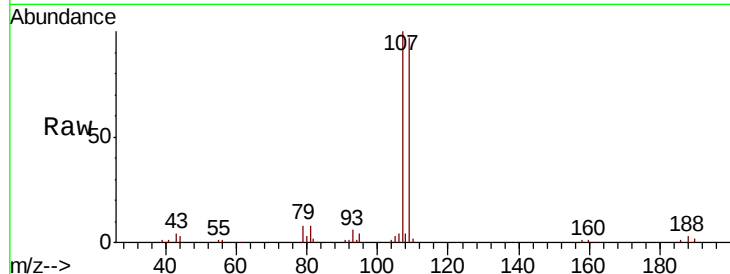
#61
 1,2-Dibromoethane
 Concen: 20.465 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	73.8	110.8

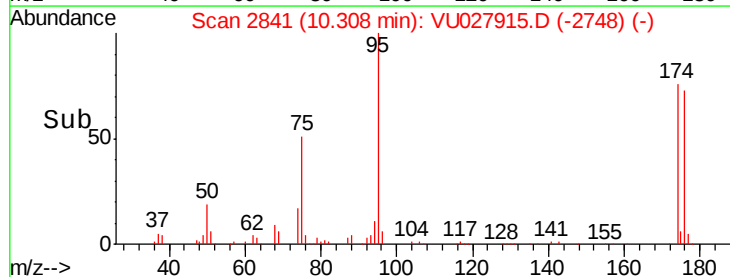
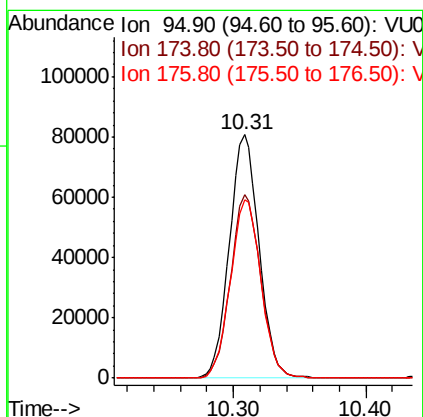
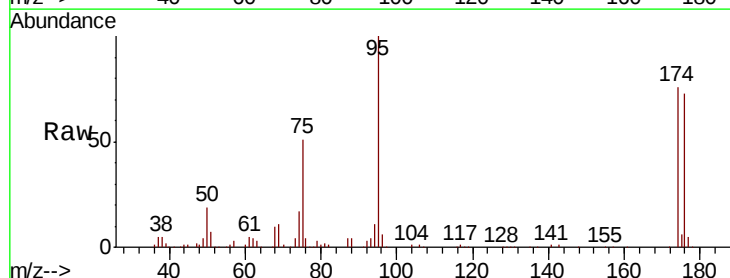
Manual Integrations
 APPROVED

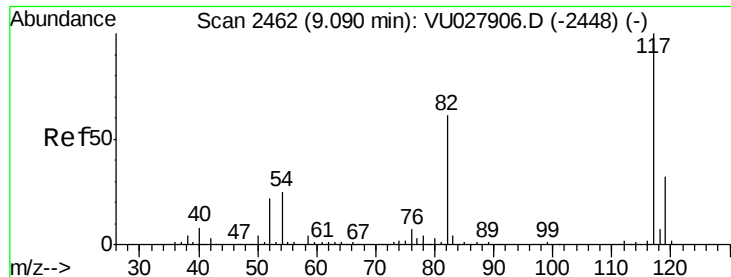
MMDadoda
 11/5/2018 2:40:18 PM



#62
 4-Bromofluorobenzene
 Concen: 50.321 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.4
176	75.2	0.0	150.8





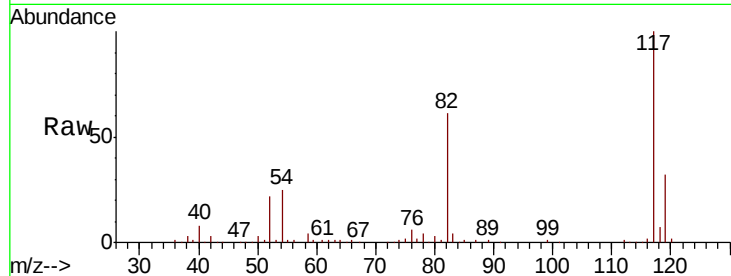
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	73.0
119	31.6	25.8	38.8

Manual Integrations
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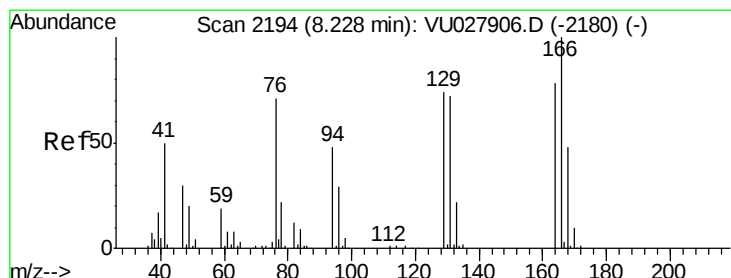
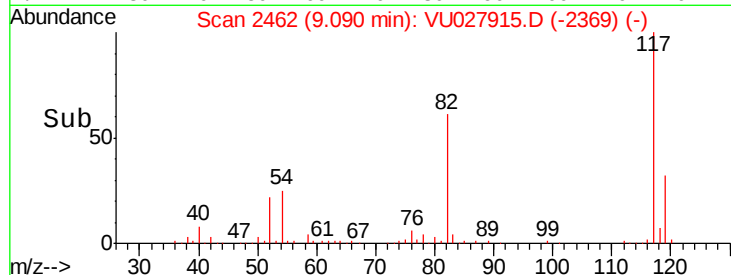
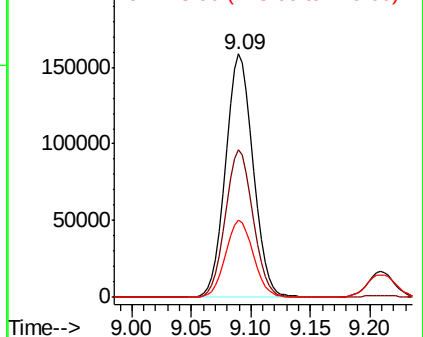


Abundance

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: 17.998 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.1	153.1
129	97.9	75.9	113.9
131	95.3	73.0	109.6

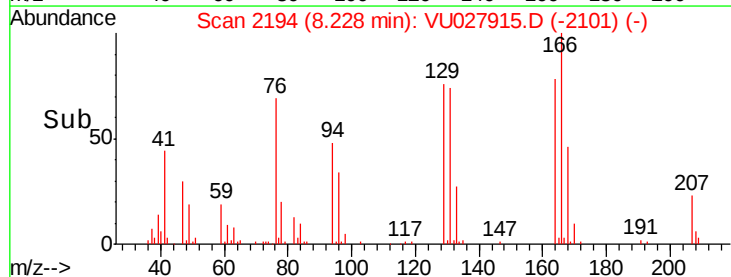
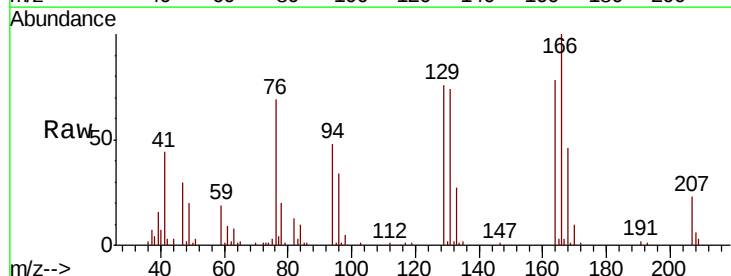
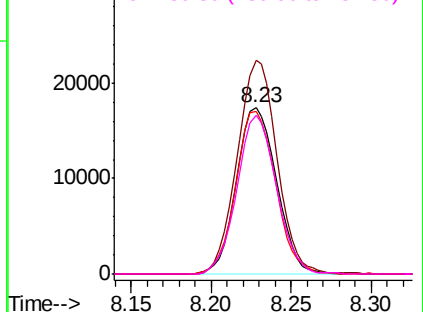
Abundance

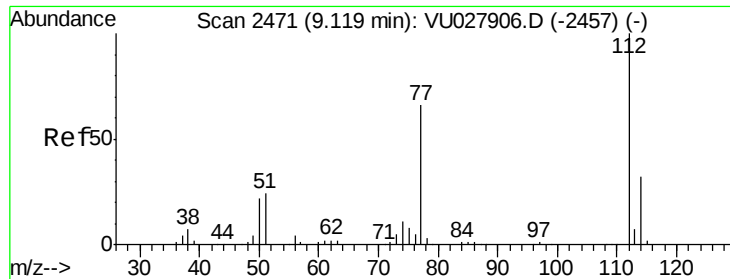
Ion 163.80 (163.50 to 164.50): V

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





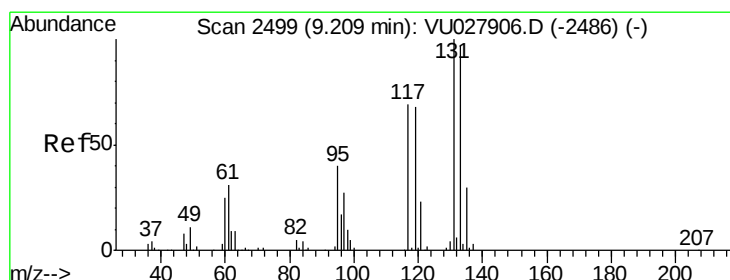
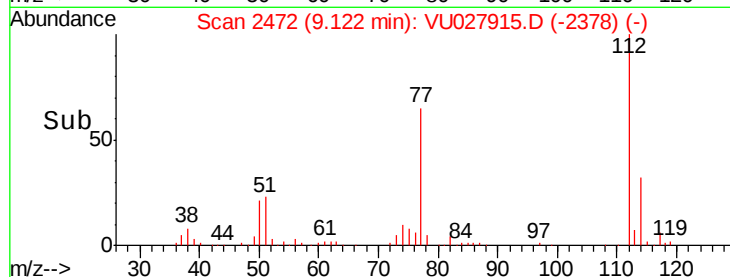
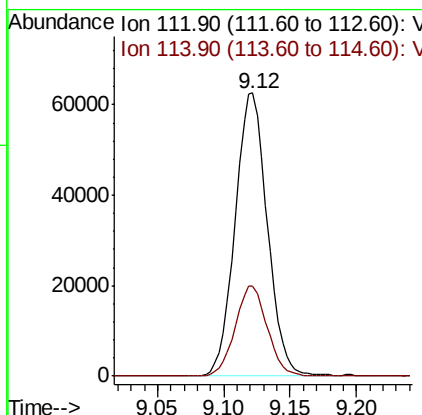
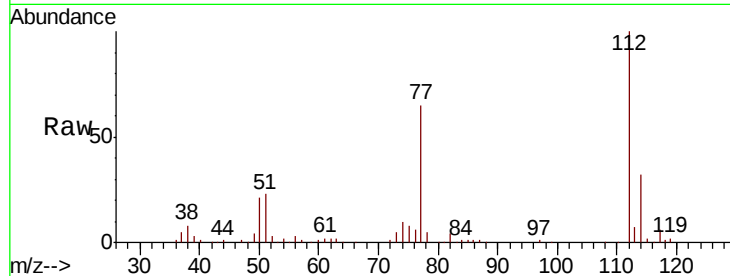
#65
Chlorobenzene
Concen: 19.662 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

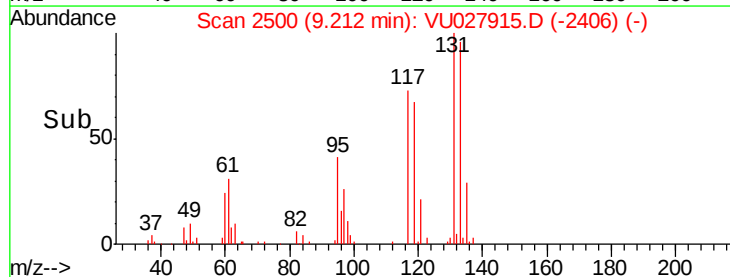
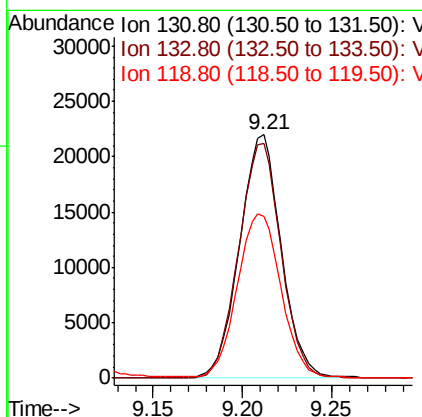
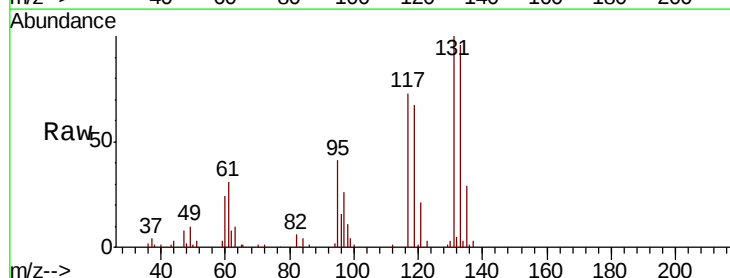
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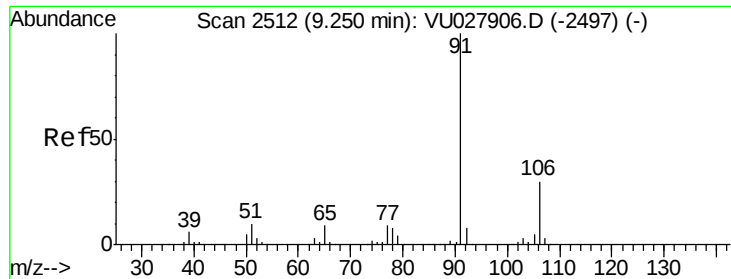
MMDadoda
11/5/2018 2:40:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.498 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.1	144.4
119	71.1	34.0	101.8





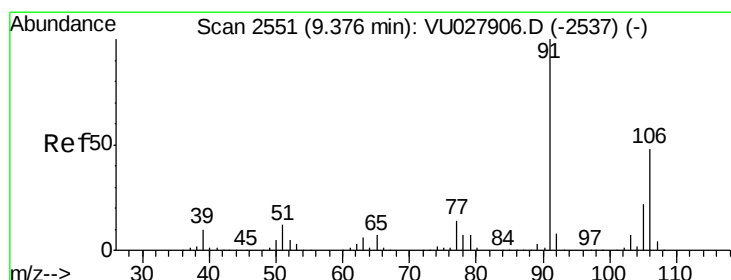
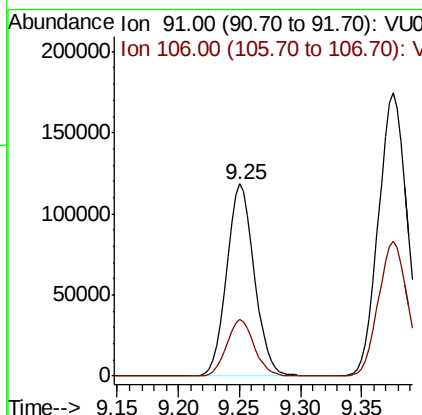
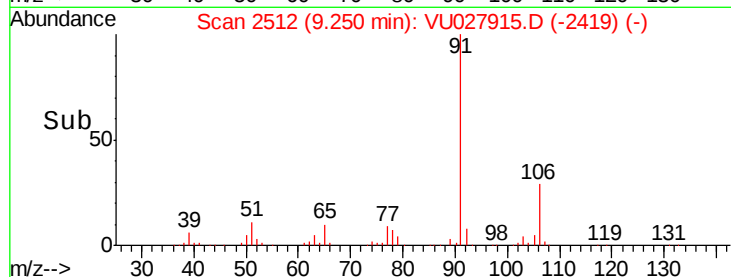
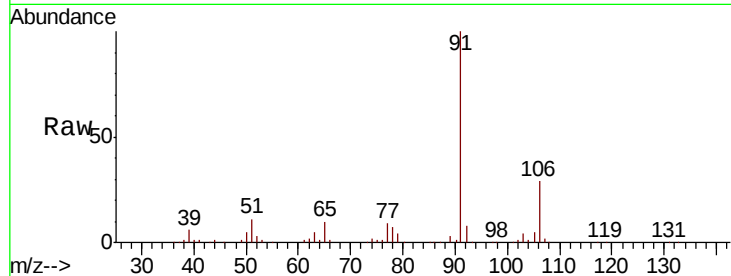
#67
Ethyl Benzene
Concen: 18.988 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 91 Resp: 188212
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4

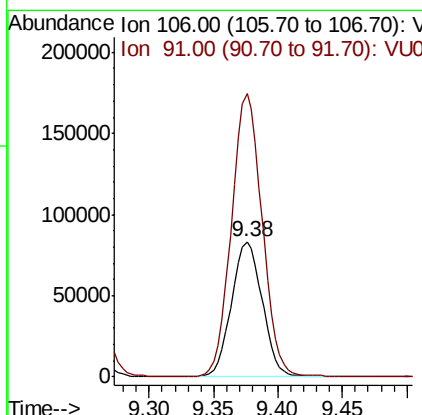
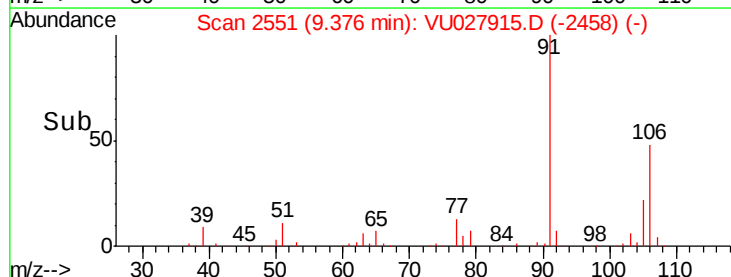
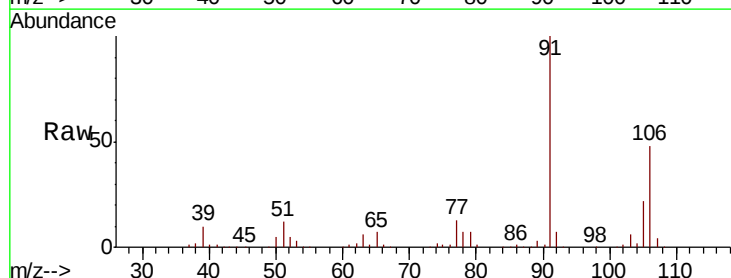
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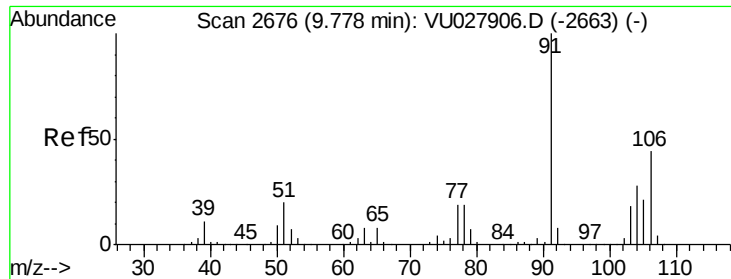
MMDadoda
11/5/2018 2:40:18 PM



#68
m/p-Xylenes
Concen: 38.478 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 106 Resp: 138385
Ion Ratio Lower Upper
106 100
91 207.8 168.2 252.4





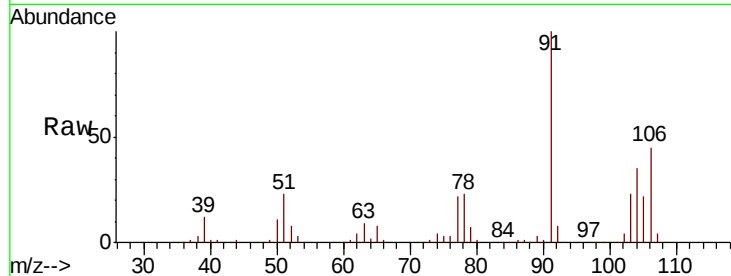
#69
o-Xylene
Concen: 18.648 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

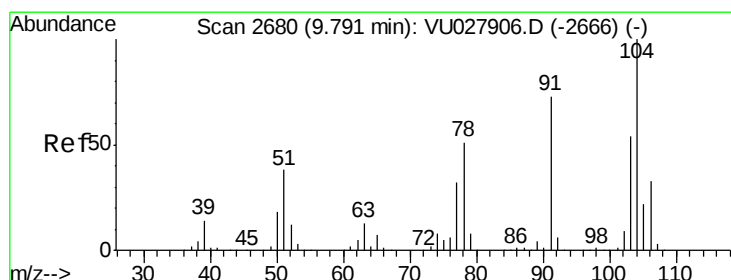
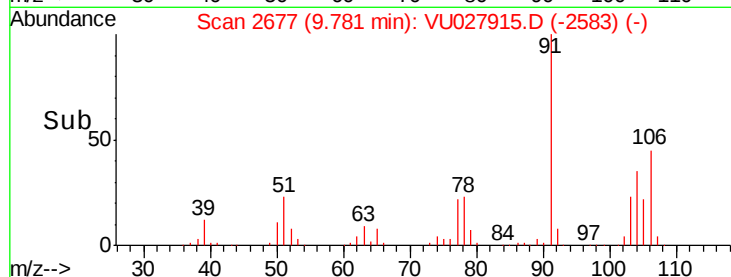
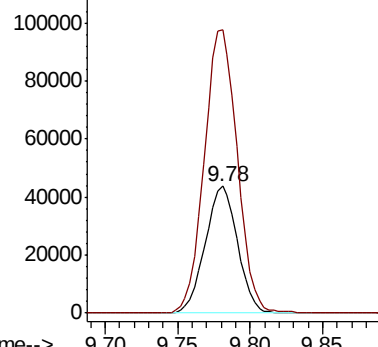
Tot Ion:106 Resp: 67724
Ion Ratio Lower Upper
106 100
91 227.1 111.1 333.4

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11/5/2018 2:40:18 PM

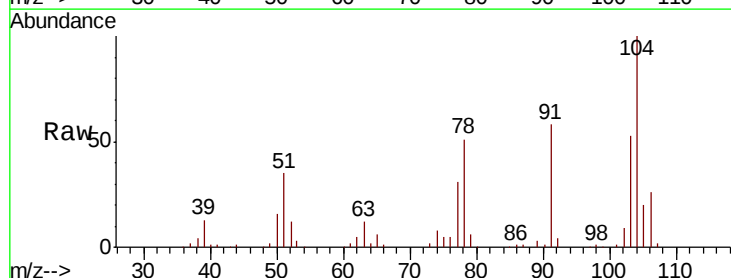


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

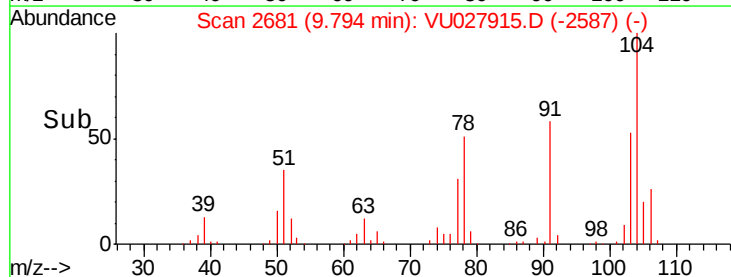
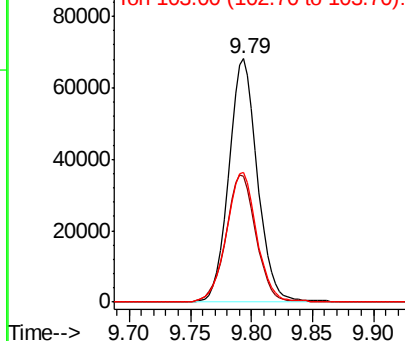


#70
Styrene
Concen: 19.256 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:104 Resp: 111739
Ion Ratio Lower Upper
104 100
78 55.2 43.0 64.4
103 56.5 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.883 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

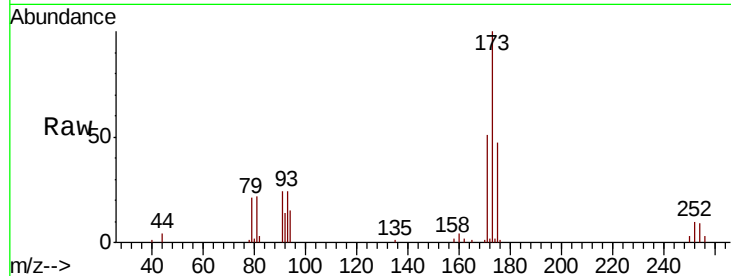
ClientSampleId :

VU1102WBS01

Tot Ion:	173	Resp:	30649
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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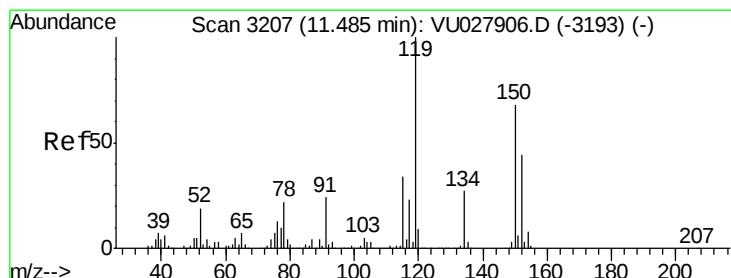
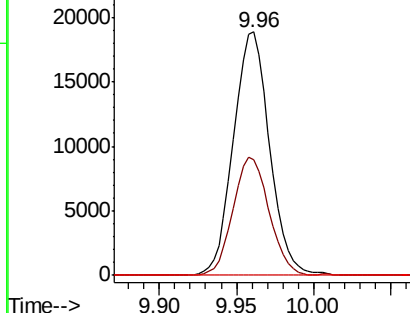
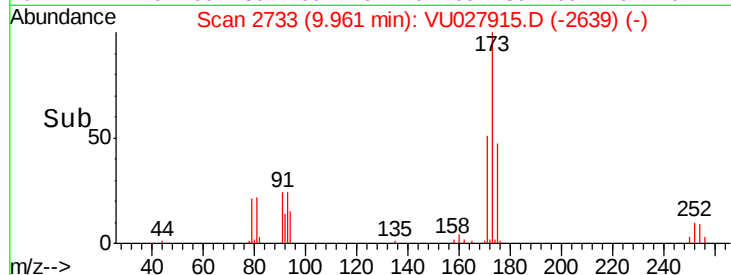


Abundance

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: 50.000 ug/l

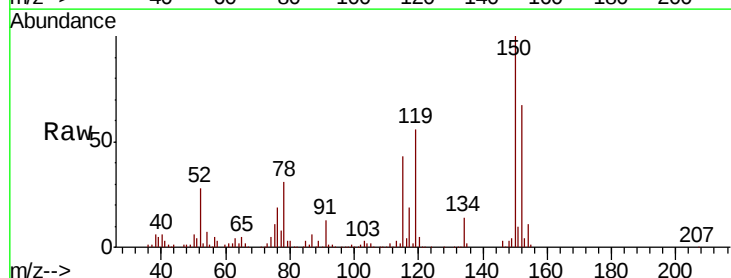
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	152	Resp:	121811
Ion Ratio	Lower	Upper	
152	100		
115	67.9	43.0	129.0
150	158.4	0.0	349.4

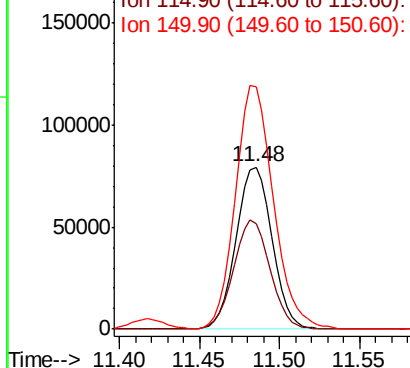
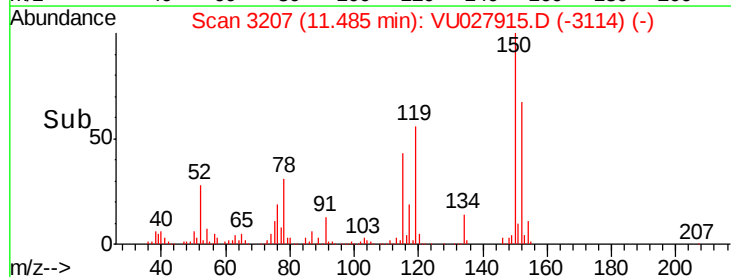


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.044 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 105 Resp: 179710

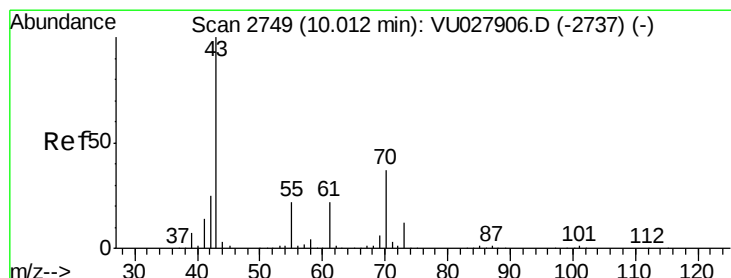
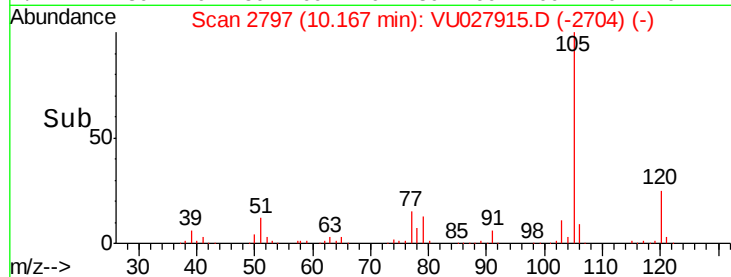
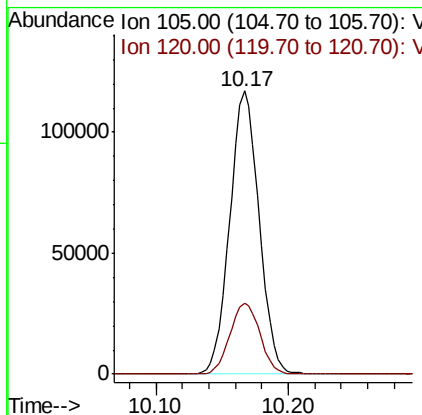
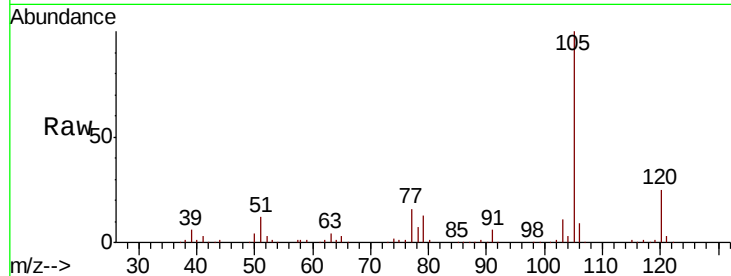
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.761 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion: 43 Resp: 118463

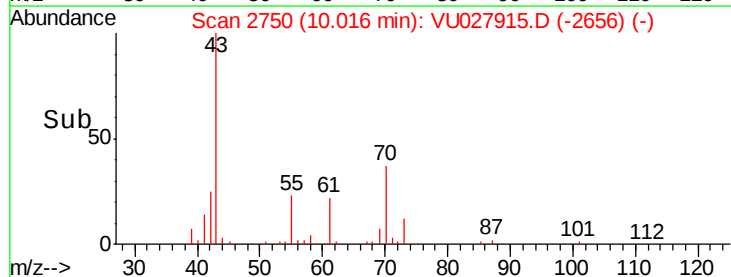
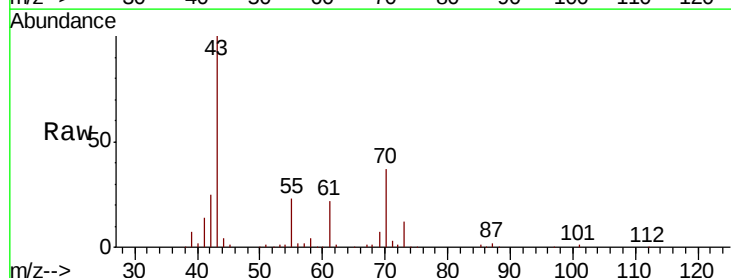
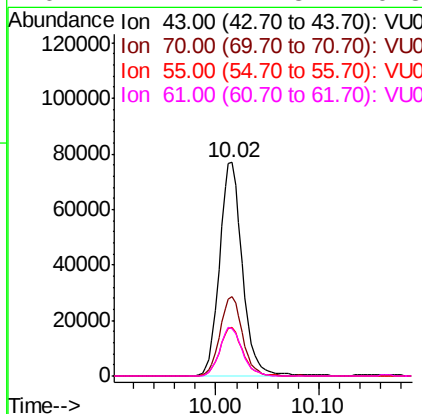
Ion Ratio Lower Upper

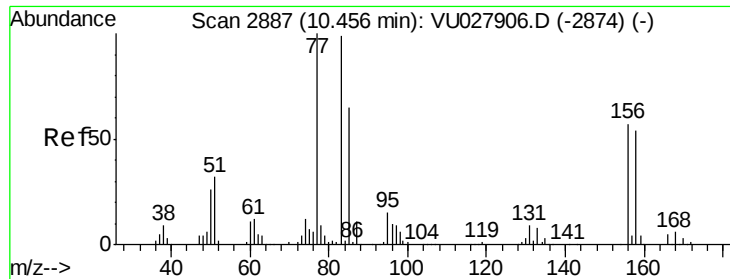
43 100

70 36.5 29.2 43.8

55 22.4 17.8 26.6

61 22.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.474 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 83 Resp: 77931

Ion Ratio Lower Upper

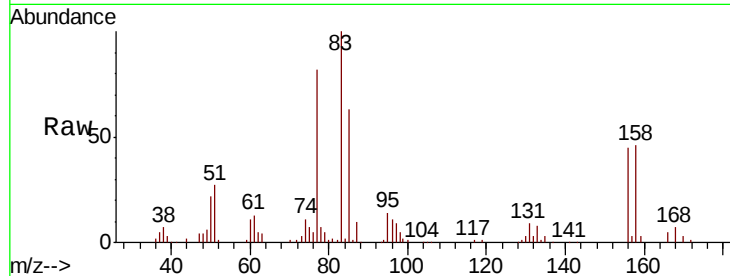
83 100

131 8.2 4.3 13.1

85 63.0 32.4 97.2

Manual Integrations
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11/5/2018 2:40:18 PM

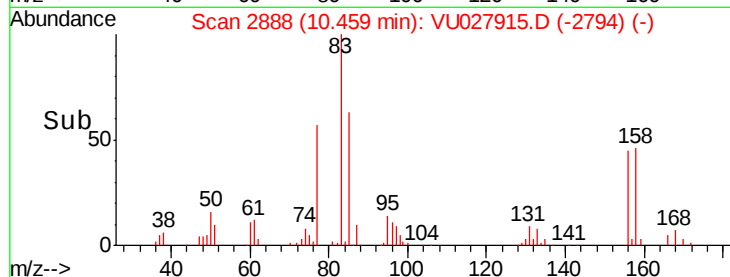


Abundance Ion 82.90 (82.60 to 83.60): VU027915.D (-2794) (-)

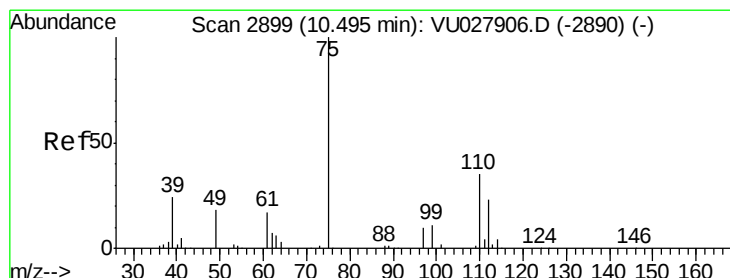
Ion 130.80 (130.50 to 131.50): VU027915.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU027915.D (-2794) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.161 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027915.D

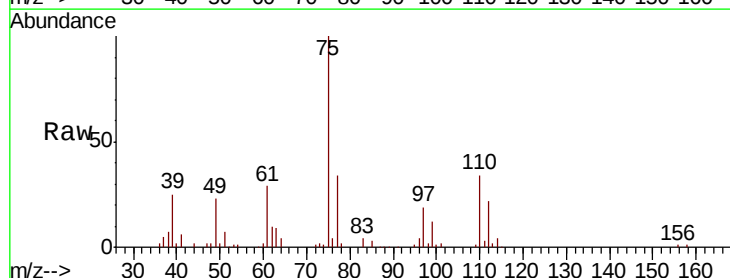
Acq: 02 Nov 2018 10:56

Tgt Ion: 75 Resp: 63843

Ion Ratio Lower Upper

75 100

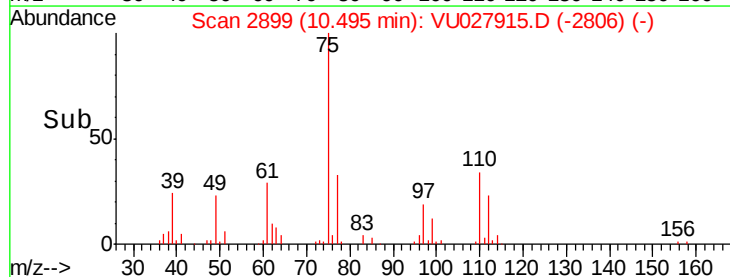
77 45.3 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027915.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027915.D (-2806) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.824 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

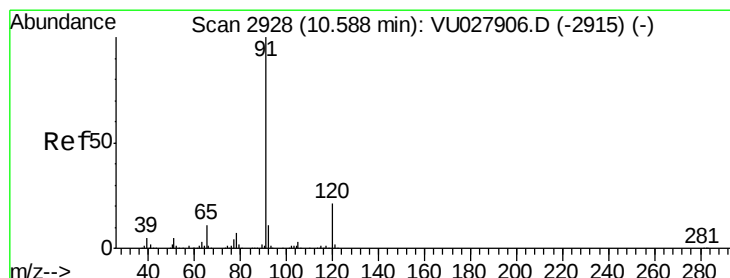
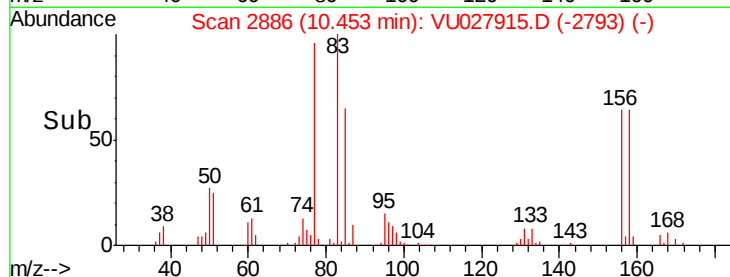
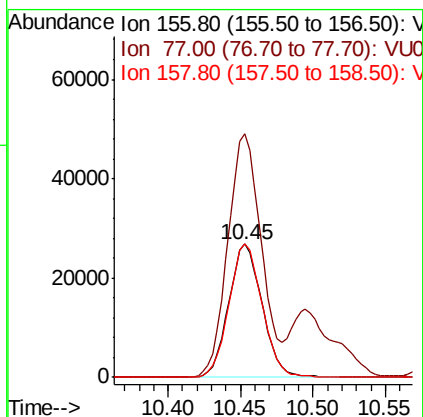
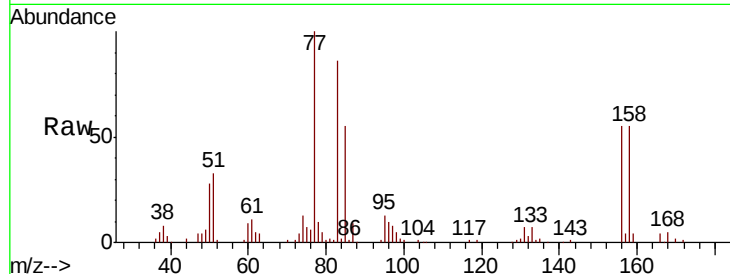
ClientSampleId :

VU1102WBS01

Tot Ion:	156	Resp:	42895
Ion Ratio	Lower	Upper	
156	100		
77	183.7	91.8	275.6
158	99.5	48.4	145.2

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#78

n-propylbenzene

Concen: 18.360 ug/l

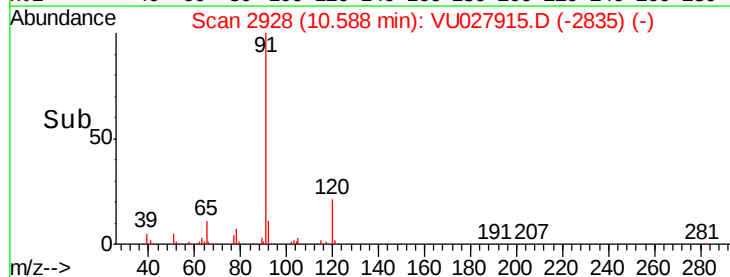
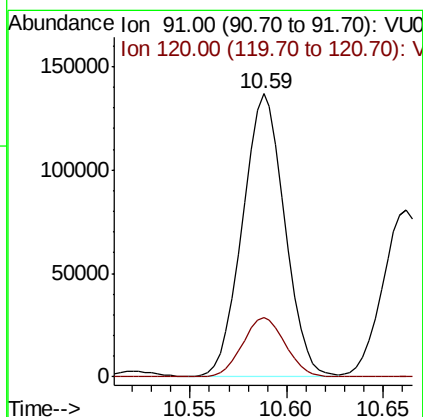
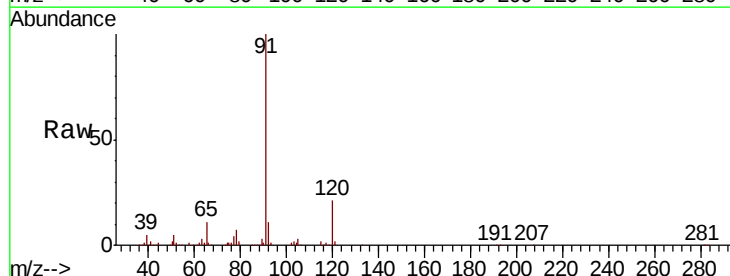
RT: 10.59 min Scan# 2928

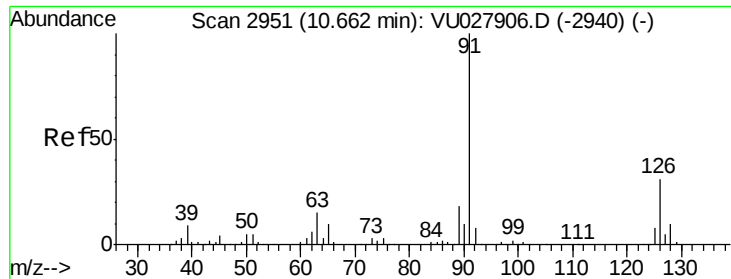
Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	91	Resp:	207381
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.6	31.8





#79

2-Chlorotoluene

Concen: 18.997 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 91 Resp: 128624

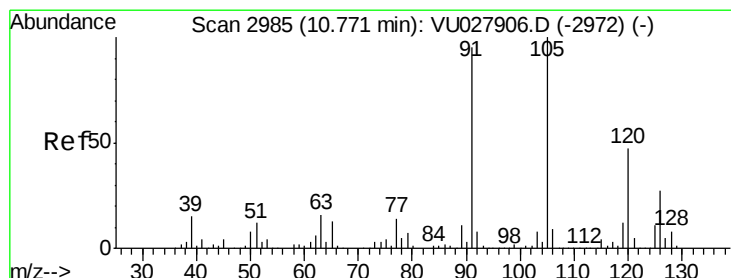
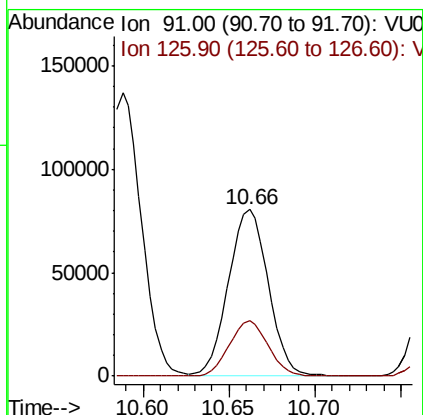
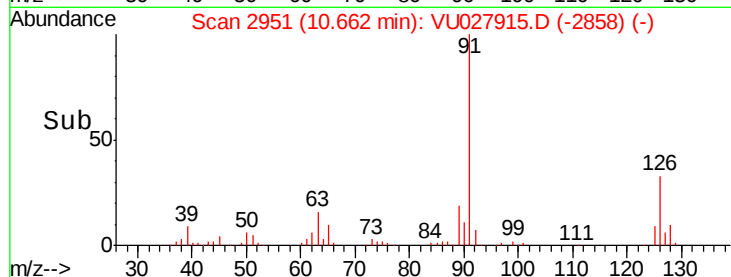
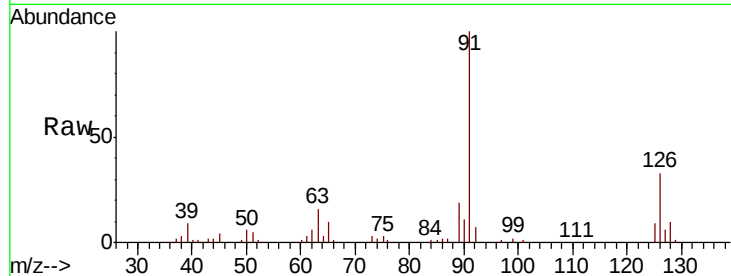
Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.139 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027915.D

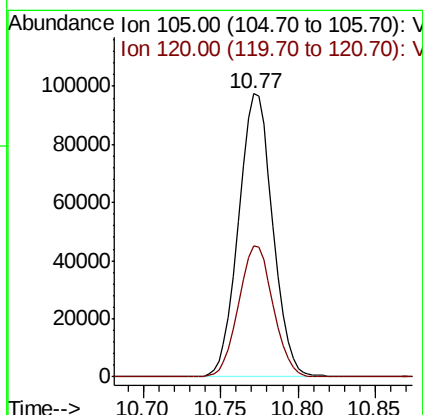
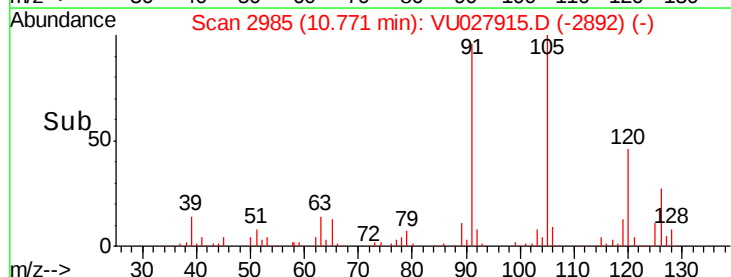
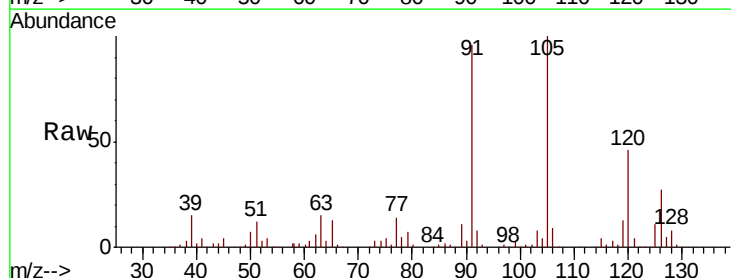
Acq: 02 Nov 2018 10:56

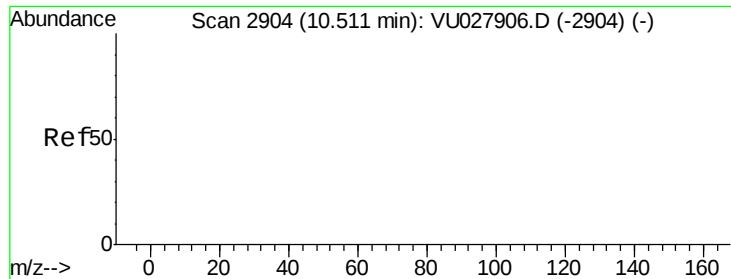
Tgt Ion: 105 Resp: 149609

Ion Ratio Lower Upper

105 100

120 46.8 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.756 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 75 Resp: 24809

Ion Ratio Lower Upper

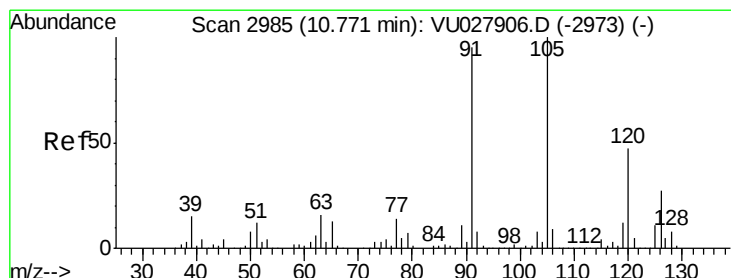
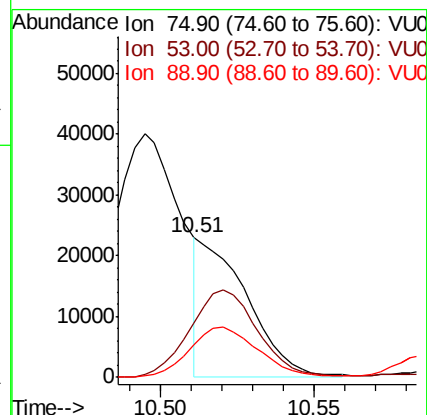
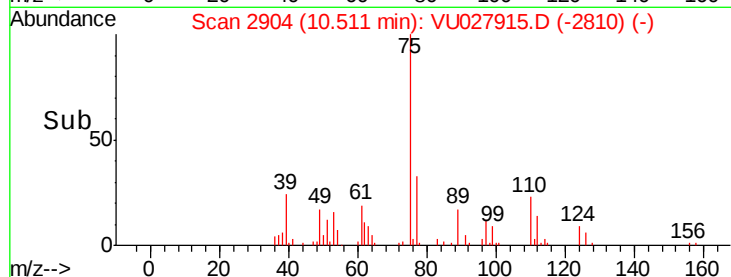
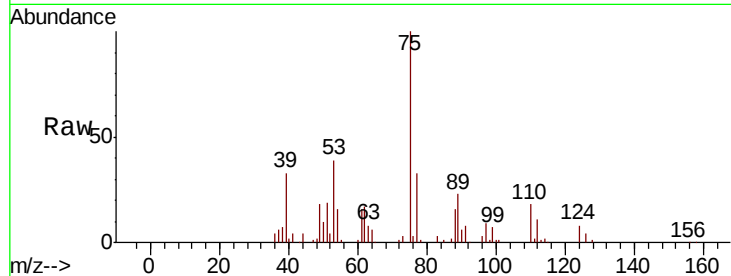
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.609 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027915.D

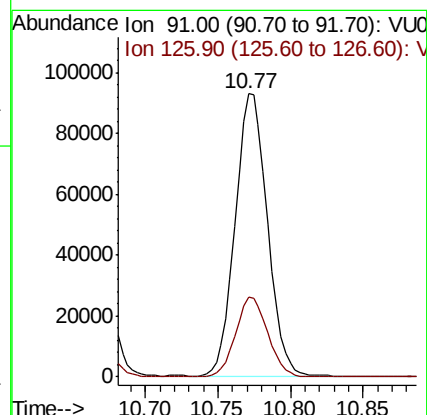
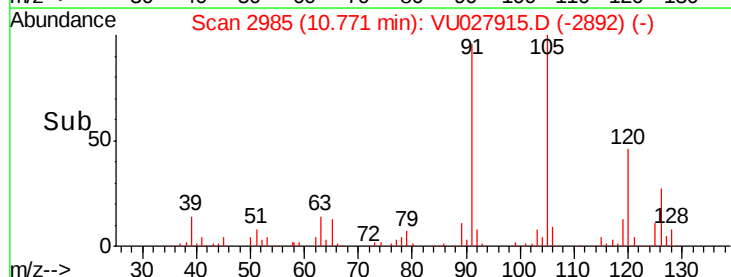
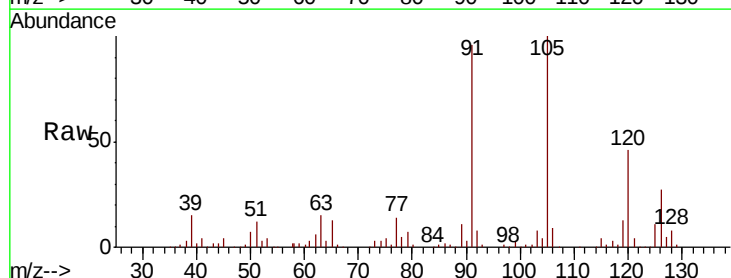
Acq: 02 Nov 2018 10:56

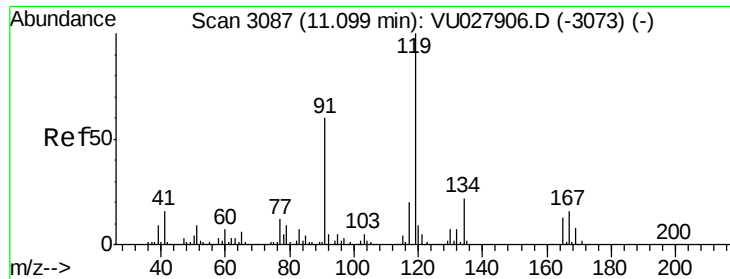
Tgt Ion: 91 Resp: 143040

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6





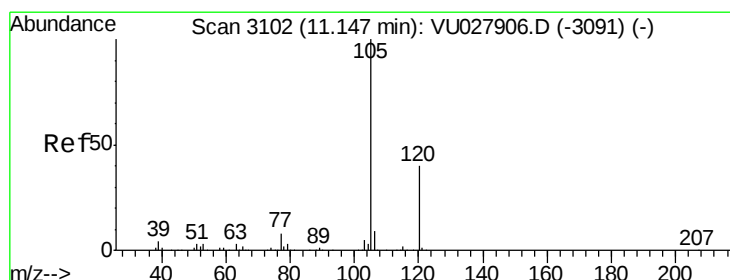
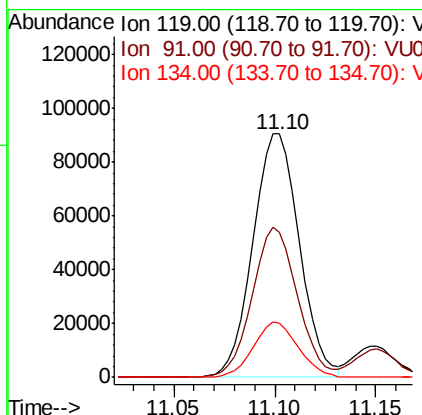
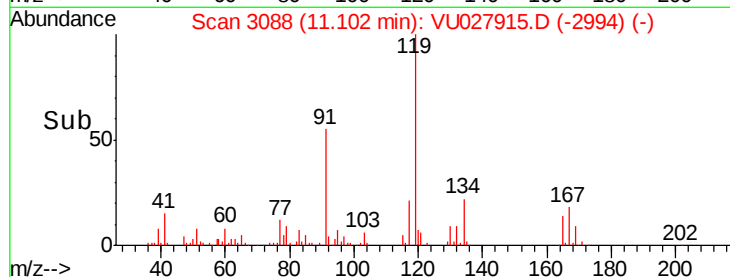
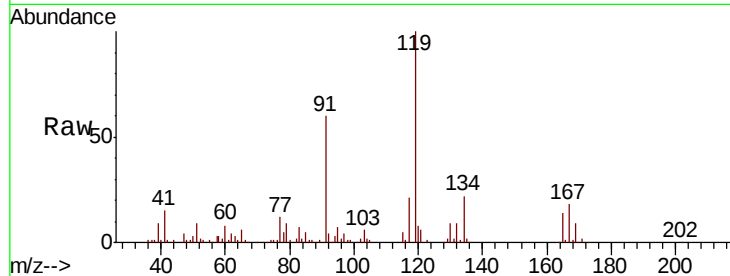
#83
tert-Butylbenzene
Concen: 18.668 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.8	89.3
134	21.9	11.1	33.1

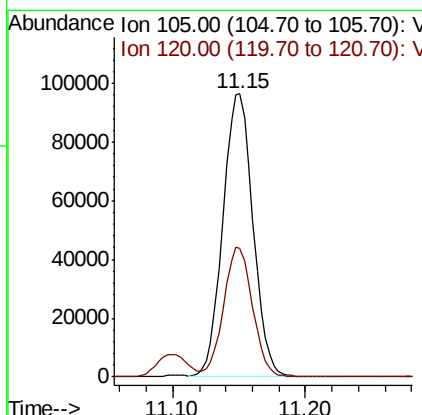
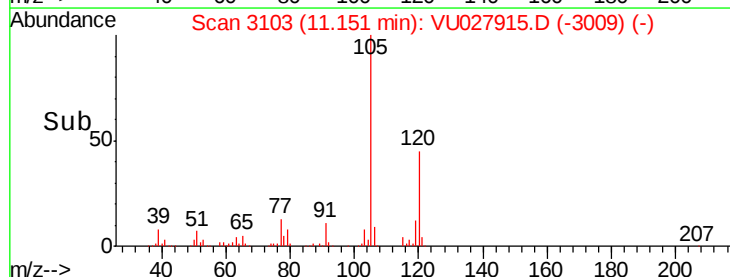
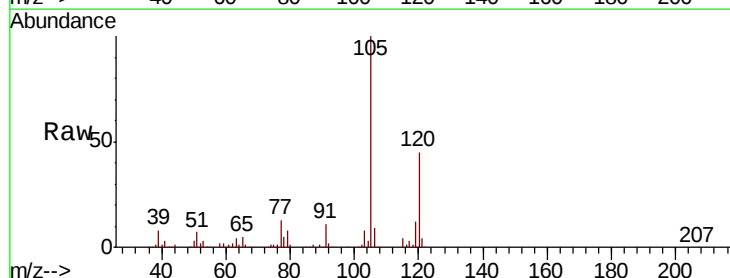
Manual Integrations
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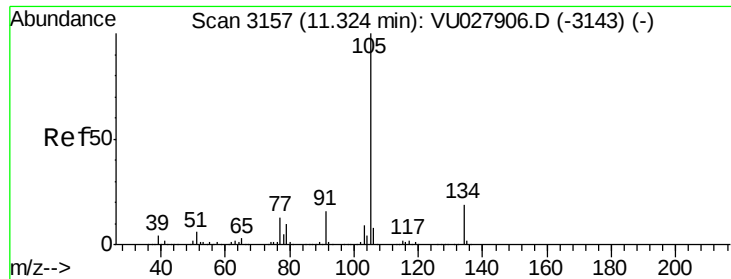
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.314 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





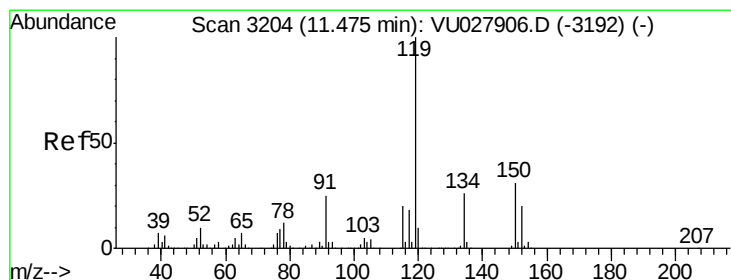
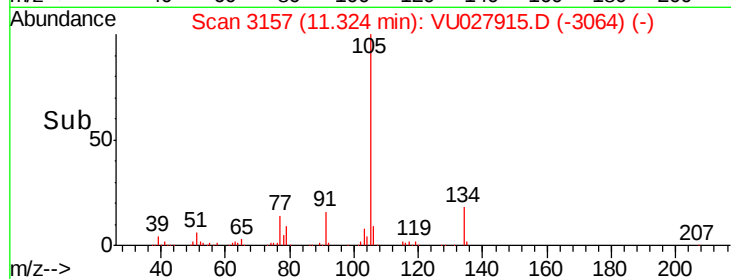
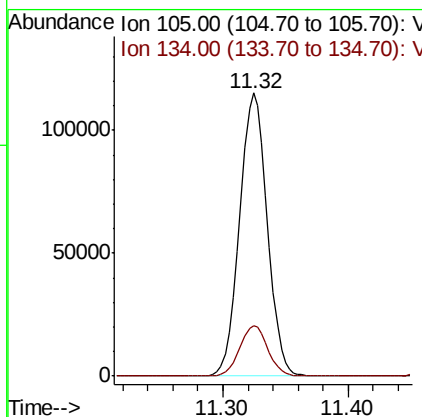
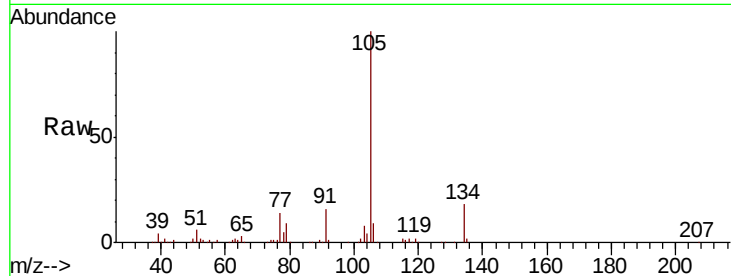
#85
 sec-Butylbenzene
 Concen: 18.536 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	176172		
134	18.0	9.2	27.6	

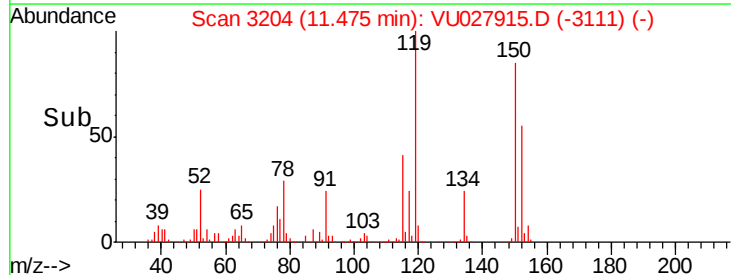
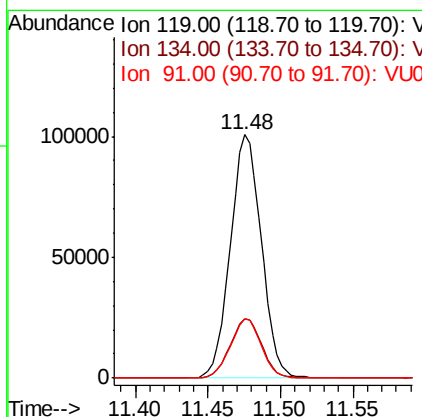
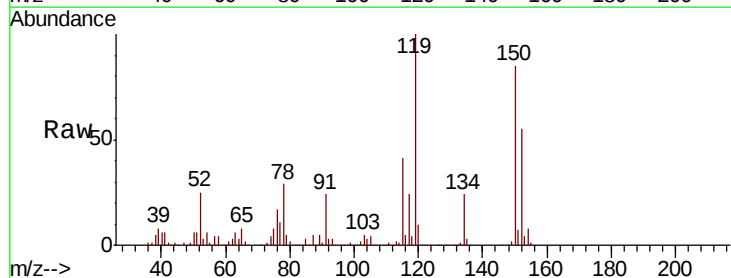
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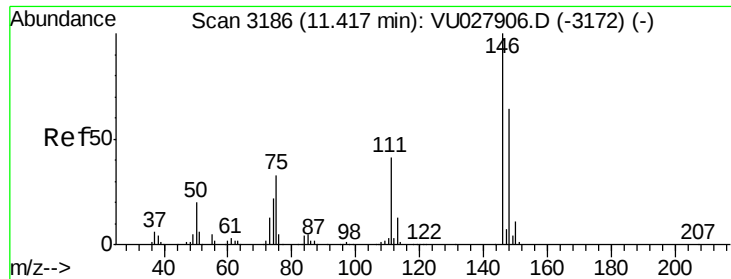
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#86
 p-Isopropyltoluene
 Concen: 18.812 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	149468		
134	24.8	12.9	38.7	
91	24.2	12.4	37.2	





#87

1,3-Dichlorobenzene

Concen: 18.670 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

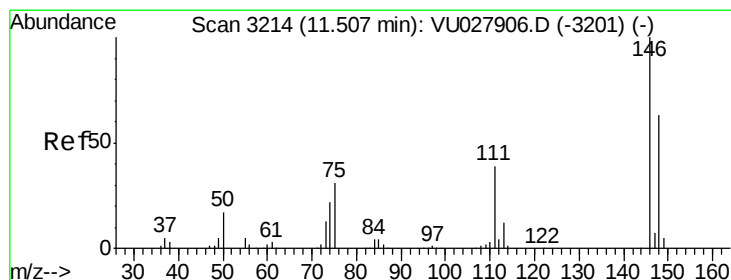
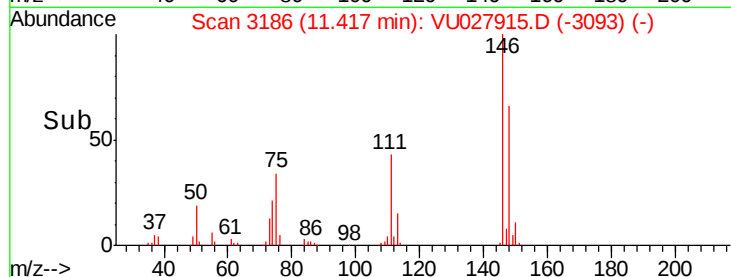
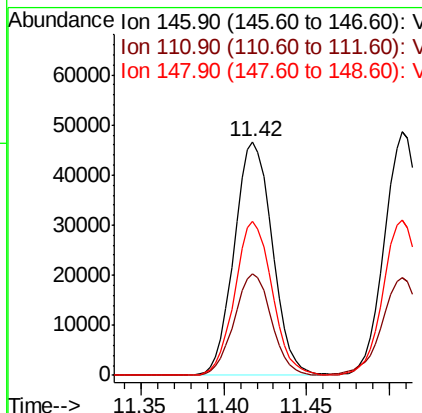
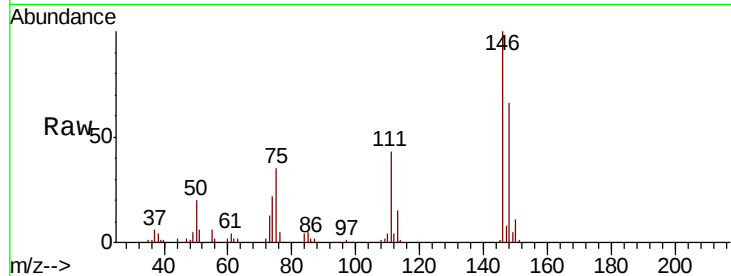
ClientSampleId :

VU1102WBS01

Tot Ion:	146	Resp:	74629
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	64.8	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.457 ug/l

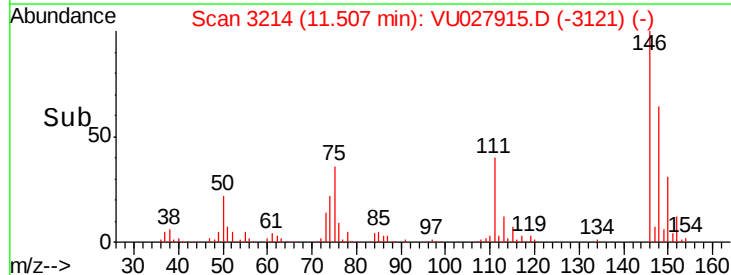
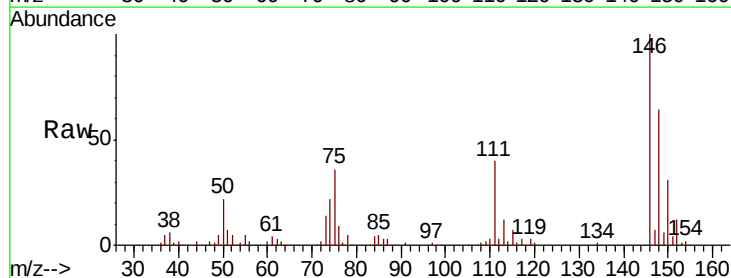
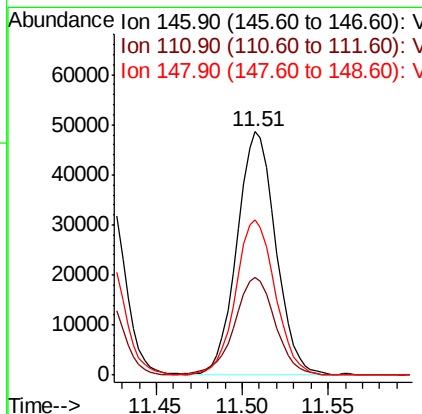
RT: 11.51 min Scan# 3214

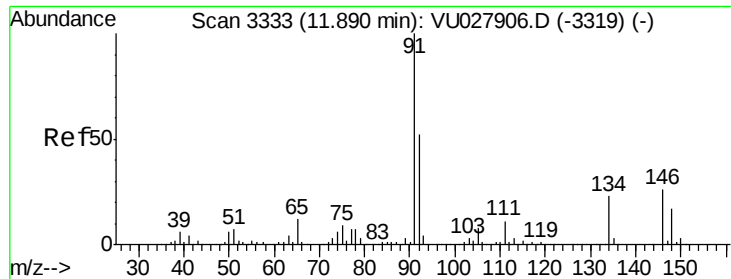
Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion:	146	Resp:	75619
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.9
148	65.7	32.0	96.2





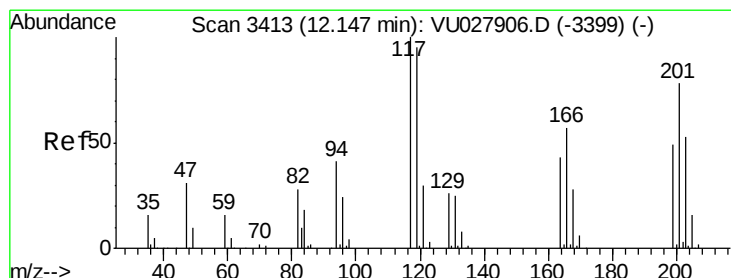
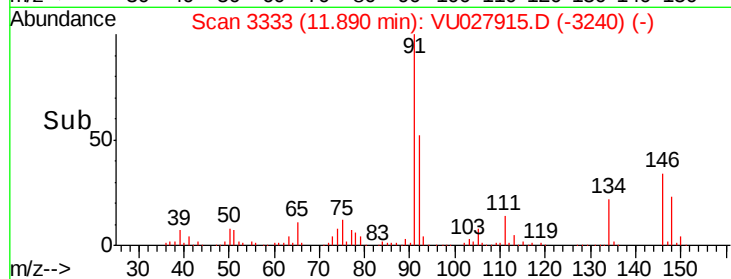
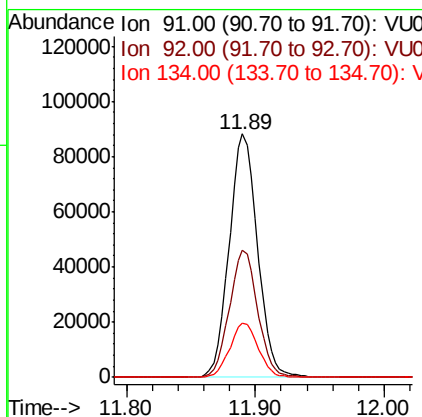
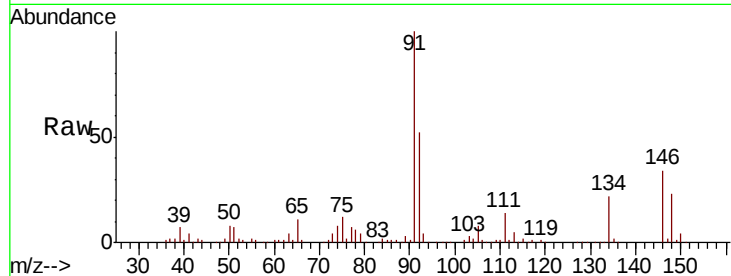
#89
n-Butylbenzene
Concen: 17.841 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	22.4	11.5	34.5

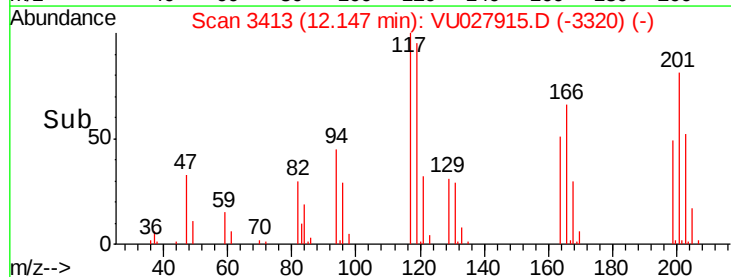
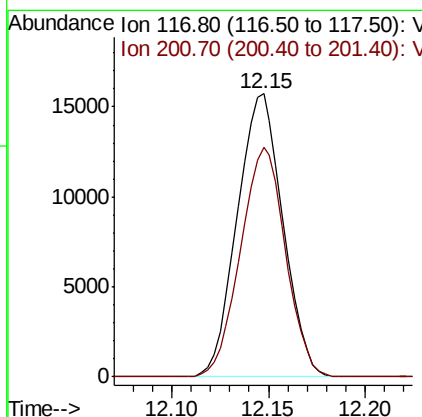
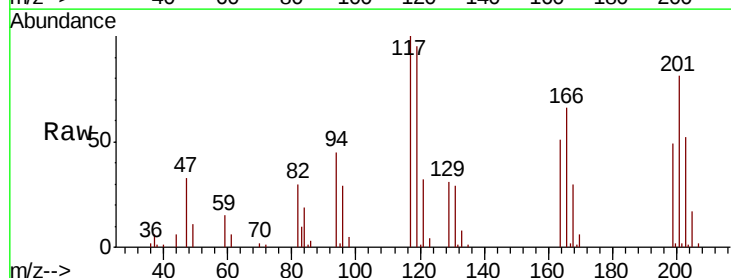
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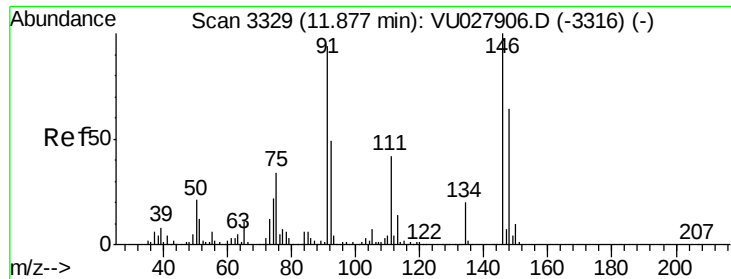
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#90
Hexachloroethane
Concen: 18.275 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	38.5	115.5





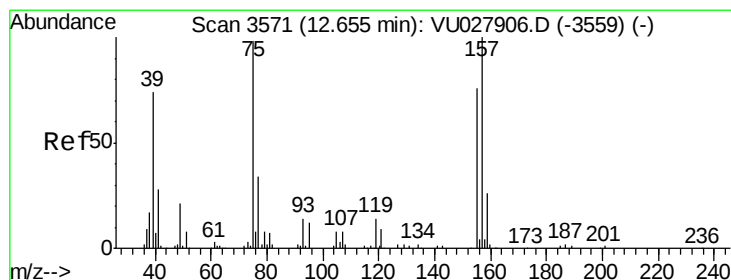
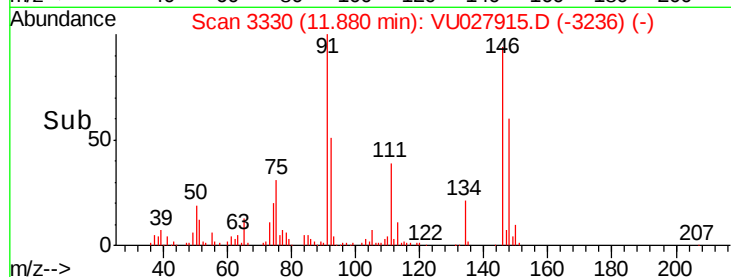
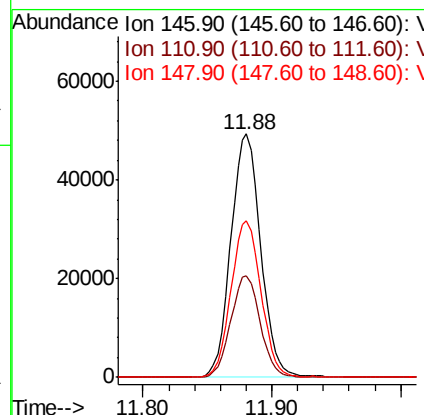
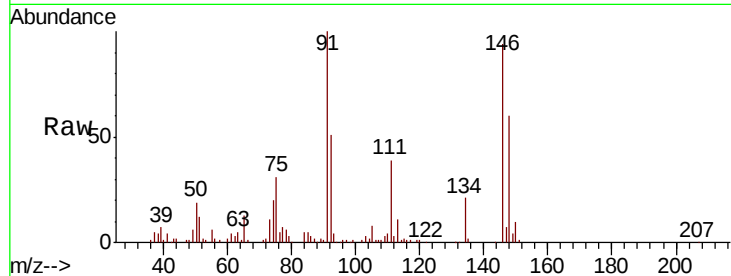
#91
 1,2-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	64.0
148	64.5	31.8	95.3

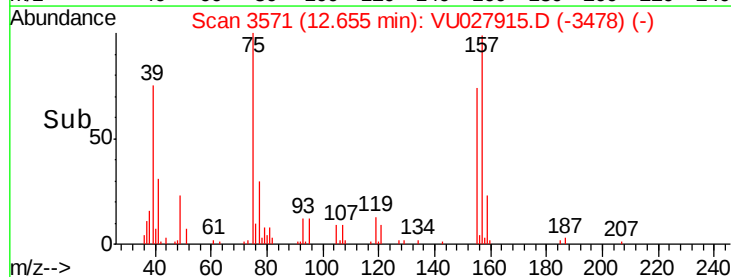
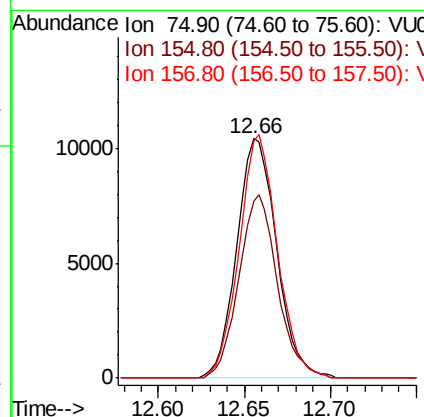
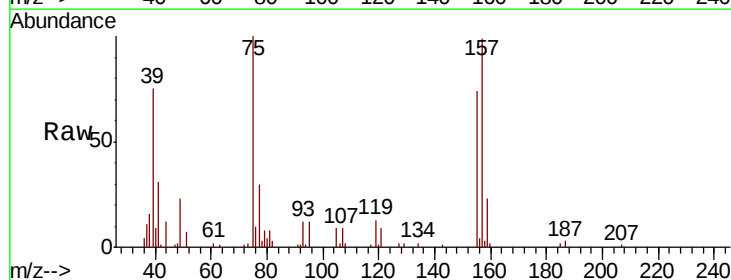
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.016 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.8	119.3
157	97.2	50.6	151.9





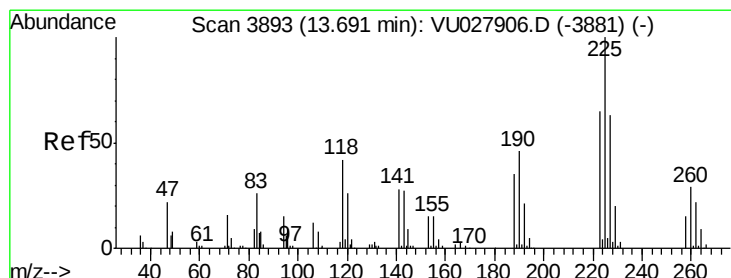
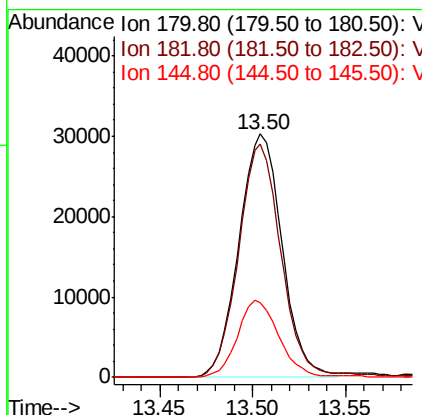
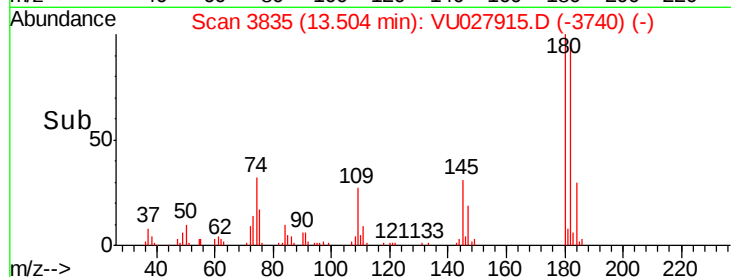
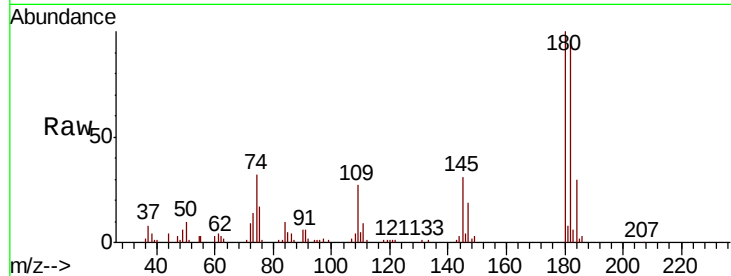
#93
 1,2,4-Trichlorobenzene
 Concen: 17.881 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.2
145	30.5	14.9	44.5

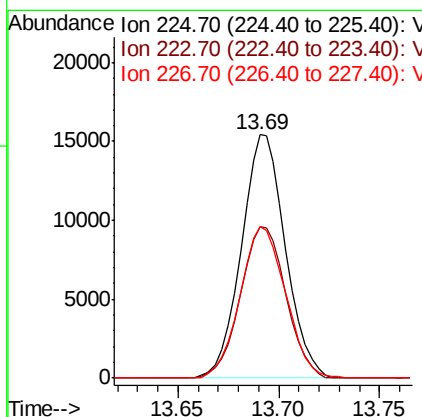
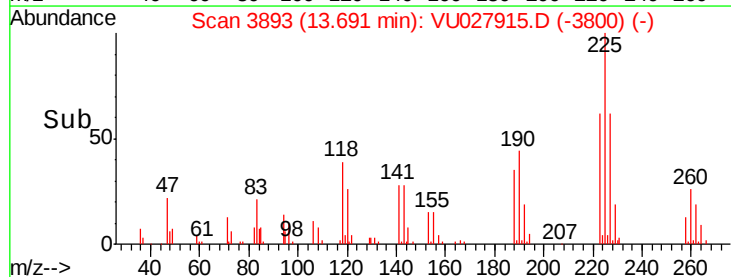
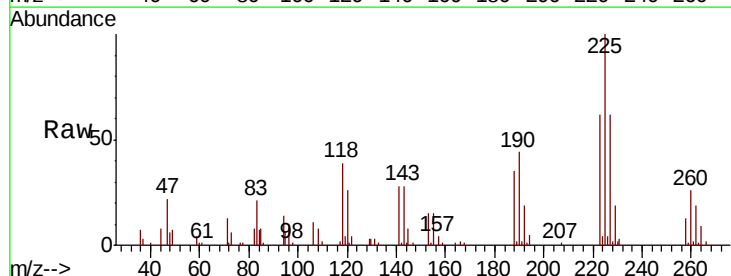
Manual Integrations
 APPROVED

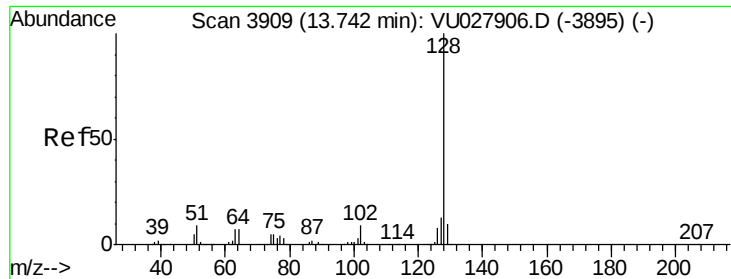
MMDadoda
 11/5/2018 2:40:18 PM



#94
 Hexachlorobutadiene
 Concen: 18.398 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.2	96.6
227	64.4	32.5	97.4





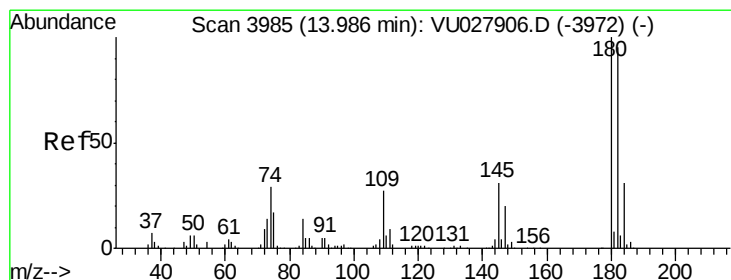
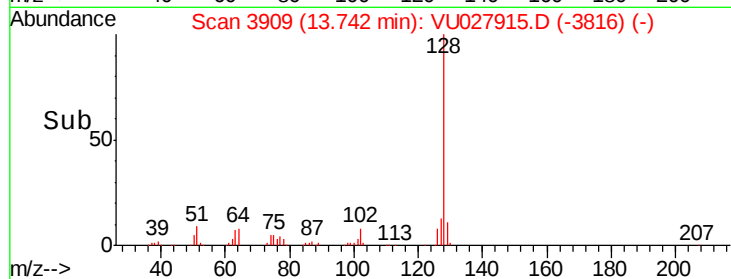
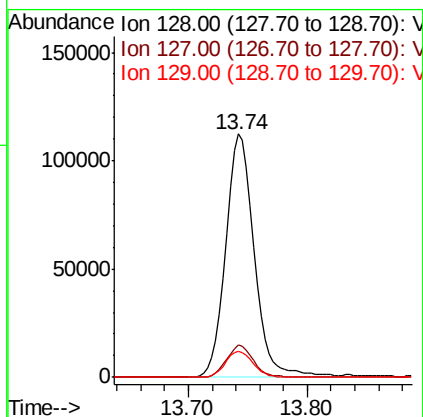
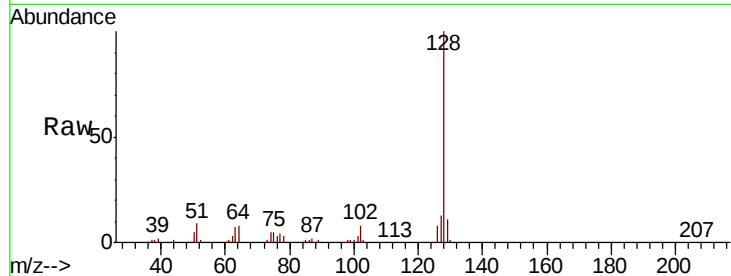
#95
Naphthalene
Concen: 18.670 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.2	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/5/2018 2:40:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.093 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	30.2	16.0	47.9

