

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029162.D
 Acq On : 14 Jan 2019 13:48
 Operator : JC/SP
 Sample : VU0114WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:40 AM

Quant Time: Jan 14 23:28:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	71667	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
35) Dibromofluoromethane	4.88	113	60307	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	7.56	98	230081	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	10.30	95	79957	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	21067	19.137	ug/l	100
3) Chloromethane	1.33	50	32196	17.875	ug/l	100
4) Vinyl Chloride	1.40	62	31932	19.683	ug/l	98
5) Bromomethane	1.62	94	17373	18.943	ug/l	95
6) Chloroethane	1.69	64	19520	20.201	ug/l	99
7) Trichlorofluoromethane	1.88	101	35214	19.920	ug/l	100
8) Diethyl Ether	2.10	74	16580	19.523	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	23832	20.149	ug/l	97
10) Methyl Iodide	2.41	142	18572	16.699	ug/l	98
11) Tert butyl alcohol	2.83	59	38349	109.945	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22939	19.925	ug/l	97
13) Acrolein	2.19	56	23246	88.754	ug/l	97
14) Allyl chloride	2.59	41	38892	18.411	ug/l	89
15) Acrylonitrile	2.93	53	93007	108.687	ug/l	99
16) Acetone	2.32	43	77069	89.153	ug/l	99
17) Carbon Disulfide	2.48	76	72046	18.547	ug/l	99
18) Methyl Acetate	2.61	43	46223	22.996	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81843	20.220	ug/l	99
20) Methylene Chloride	2.70	84	29545	20.130	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25742	19.245	ug/l	98
22) Diisopropyl ether	3.57	45	88418	21.179	ug/l	95
23) Vinyl Acetate	3.52	43	355342	104.114	ug/l	100
24) 1,1-Dichloroethane	3.44	63	50578	20.986	ug/l	99
25) 2-Butanone	4.26	43	124418	106.561	ug/l	100
26) 2,2-Dichloropropane	4.22	77	38139	19.585	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	30751	21.020	ug/l	97
28) Bromochloromethane	4.55	49	22547	21.848	ug/l	99
29) Tetrahydrofuran	4.64	42	80372	113.495	ug/l	98
30) Chloroform	4.67	83	48889	21.298	ug/l	99
31) Cyclohexane	4.99	56	46701	19.851	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	39320	20.730	ug/l	98
36) 1,1-Dichloropropene	5.13	75	36580	20.021	ug/l	98
37) Ethyl Acetate	4.38	43	43429	21.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	31542	20.699	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	42234	18.803	ug/l	99
40) Benzene	5.39	78	117193	20.563	ug/l	99
41) Methacrylonitrile	4.54	41	22919	21.350	ug/l	99
42) 1,2-Dichloroethane	5.40	62	36619	21.383	ug/l	100
43) Isopropyl Acetate	5.55	43	67857	22.057	ug/l	98
44) Trichloroethene	6.18	130	28064	19.874	ug/l	94
45) 1,2-Dichloropropane	6.43	63	31292	20.792	ug/l	97
46) Dibromomethane	6.56	93	20023	20.812	ug/l	98
47) Bromodichloromethane	6.76	83	37777	21.326	ug/l	97
48) Methyl methacrylate	6.62	41	32479	21.682	ug/l	99
49) 1,4-Dioxane	6.61	88	16694	470.252	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	228703	109.234	ug/l	100
52) Toluene	7.63	92	69700	20.090	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41780	19.634	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	46062	20.033	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29664	21.342	ug/l	98
56) Ethyl methacrylate	8.02	69	43049	20.104	ug/l	98
57) 1,3-Dichloropropane	8.24	76	49249	20.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	90036	95.609	ug/l	99
59) 2-Hexanone	8.36	43	172807	105.148	ug/l	99
60) Dibromochloromethane	8.48	129	28419	20.638	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31378	20.815	ug/l	100
64) Tetrachloroethene	8.22	164	24528	19.994	ug/l	96
65) Chlorobenzene	9.12	112	75051	19.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26430	21.335	ug/l	97
67) Ethyl Benzene	9.25	91	127171	19.954	ug/l	99
68) m/p-Xylenes	9.37	106	98725	39.867	ug/l	98
69) o-Xylene	9.78	106	48108	20.162	ug/l	99
70) Styrene	9.79	104	77374	19.781	ug/l	99
71) Bromoform	9.95	173	22414	20.320	ug/l #	99
73) Isopropylbenzene	10.16	105	122498	19.870	ug/l	98
74) N-amyl acetate	10.01	43	53486	20.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51361	20.787	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	43556m	21.343	ug/l	
77) Bromobenzene	10.45	156	31831	19.813	ug/l	98
78) n-propylbenzene	10.58	91	147577	20.312	ug/l	98
79) 2-Chlorotoluene	10.66	91	88528	20.087	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	103209	20.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	11976m	15.135	ug/l	
82) 4-Chlorotoluene	10.77	91	99118	19.613	ug/l	99
83) tert-Butylbenzene	11.10	119	101629	20.028	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	104543	20.339	ug/l	100
85) sec-Butylbenzene	11.32	105	125313	20.420	ug/l	100
86) p-Isopropyltoluene	11.47	119	106663	20.397	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56934	19.320	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	57964	19.056	ug/l	99
89) n-Butylbenzene	11.89	91	92651	19.851	ug/l	99
90) Hexachloroethane	12.14	117	17172	19.520	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	57543	19.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10420	21.926	ug/l	97

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35448	18.709	ug/l	99
94) Hexachlorobutadiene	13.69	225	17543	20.243	ug/l	97
95) Naphthalene	13.74	128	116932	18.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	38352	20.133	ug/l	98

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

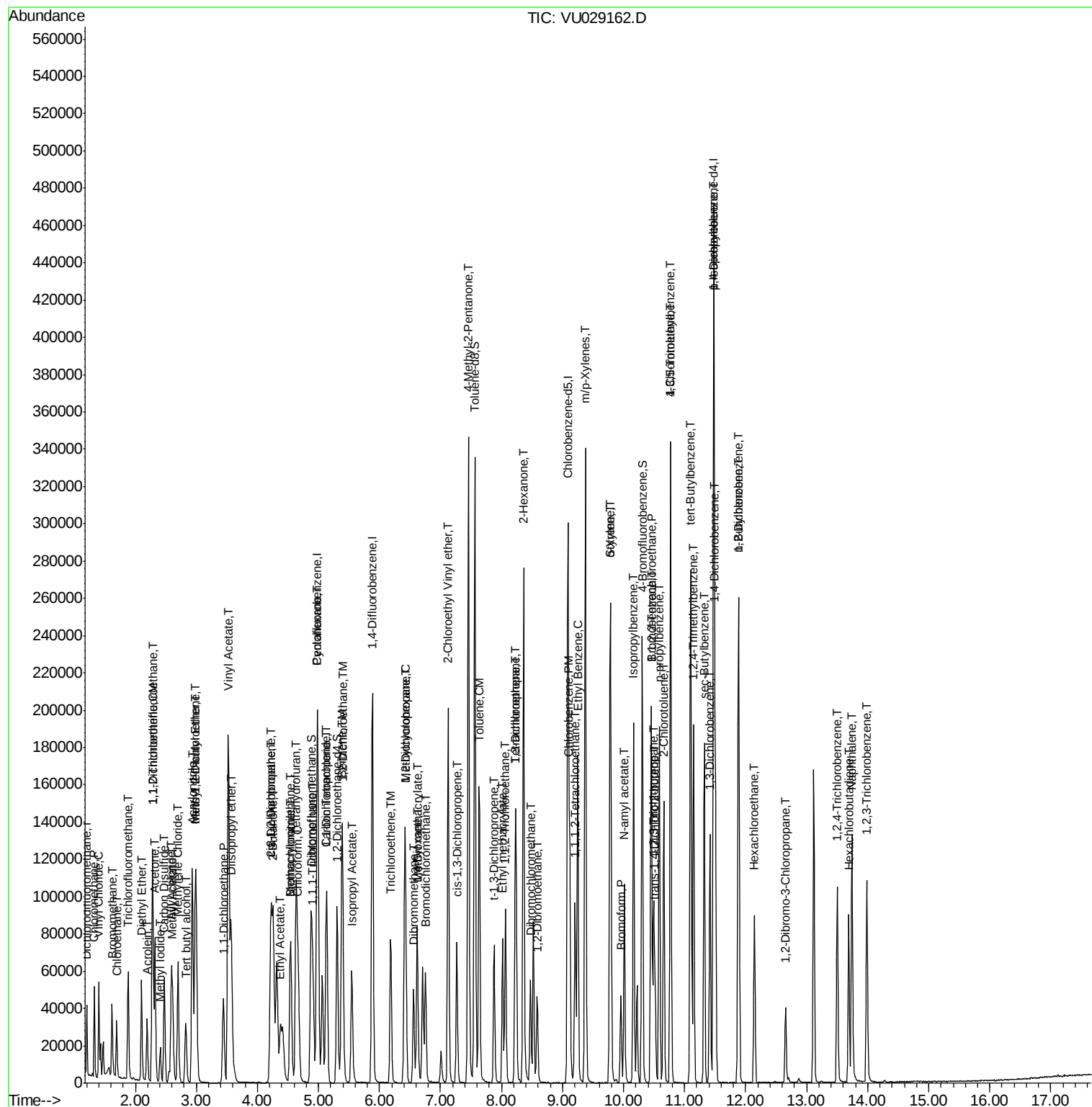
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011419\
Data File : VU029162.D
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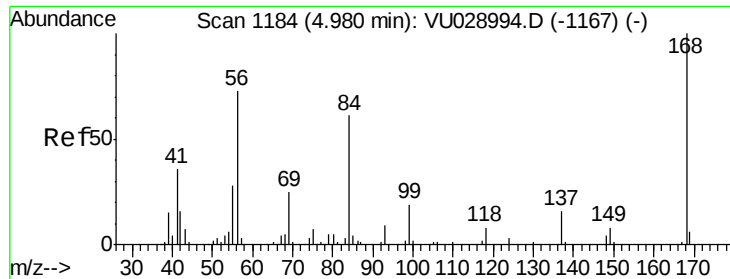
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion:168 Resp: 111005

Ion Ratio Lower Upper

168 100

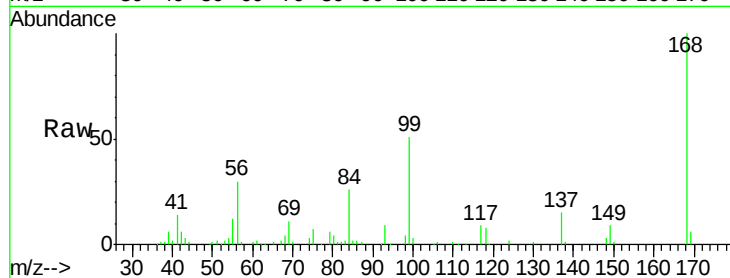
99 50.4 42.0 63.0

Manual Integrations

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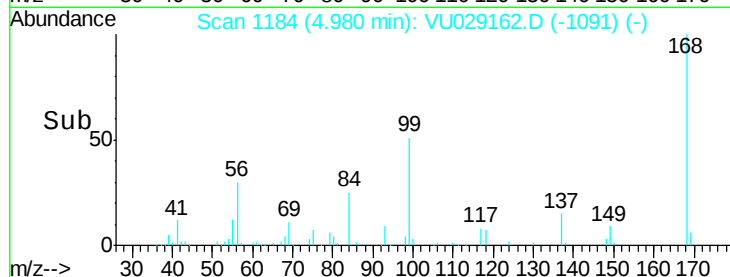


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU029162.D (-1091) (-)

4.98

Time-->



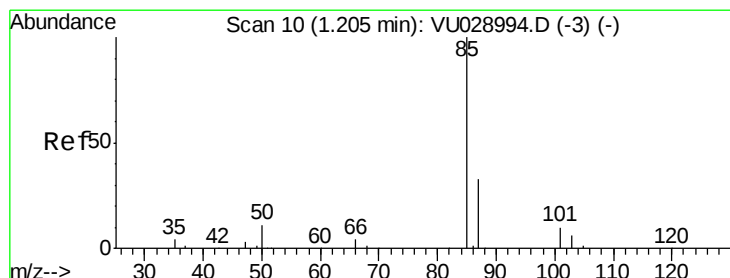
Abundance

Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU029162.D (-1091) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 19.137 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029162.D

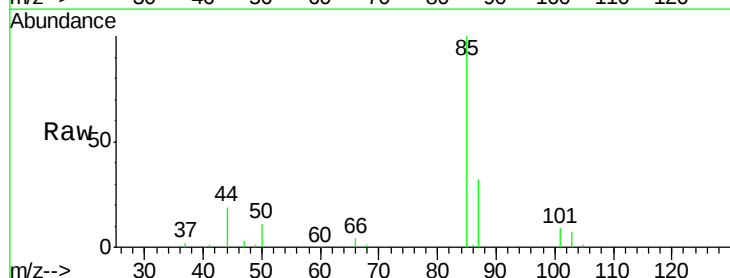
Acq: 14 Jan 2019 13:48

Tgt Ion: 85 Resp: 21067

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8

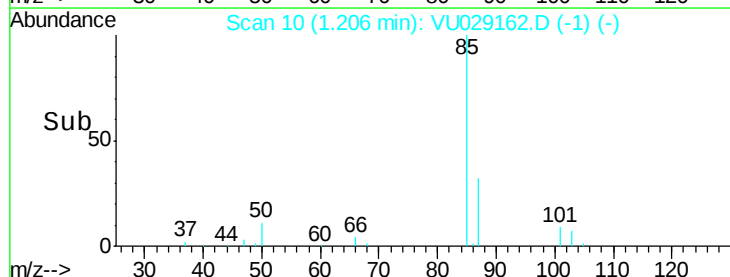


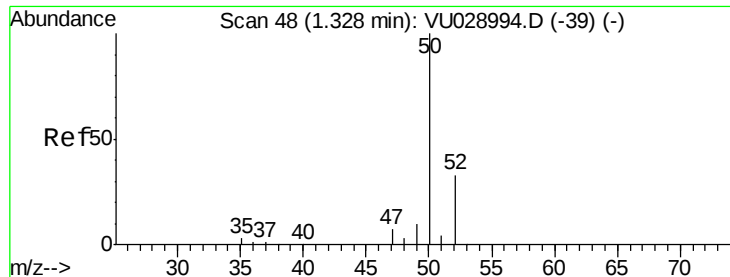
Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU029162.D (-1) (-)

1.21

Time-->





#3

Chloromethane

Concen: 17.875 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampled :

VU0114WBSD01

Tot Ion: 50 Resp: 32196

Ion Ratio Lower Upper

50 100

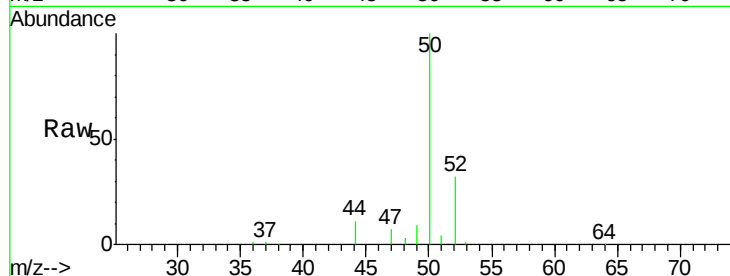
52 32.5 26.1 39.1

Manual Integrations

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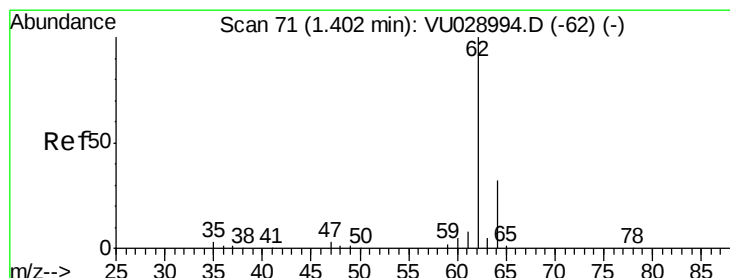
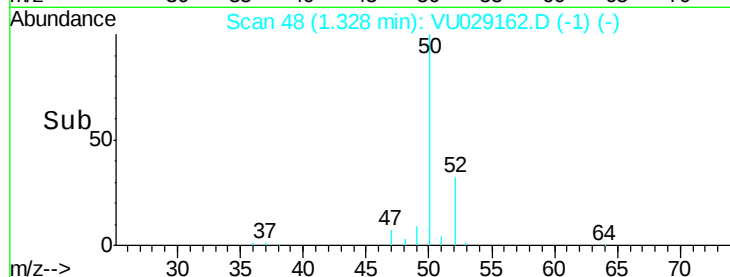
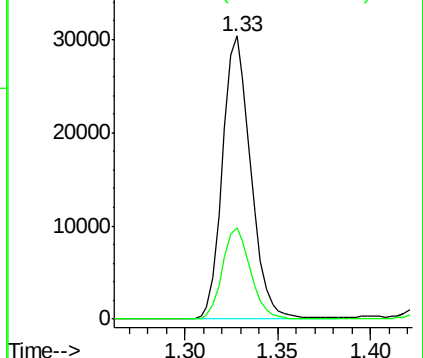
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.683 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029162.D

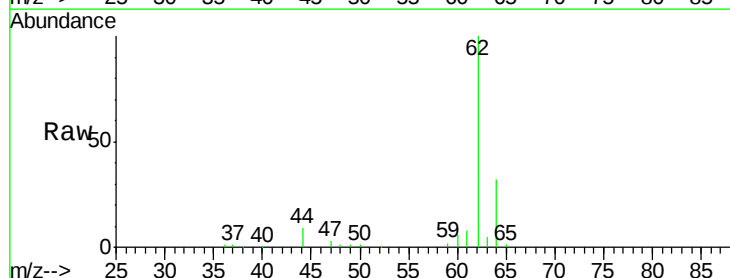
Acq: 14 Jan 2019 13:48

Tgt Ion: 62 Resp: 31932

Ion Ratio Lower Upper

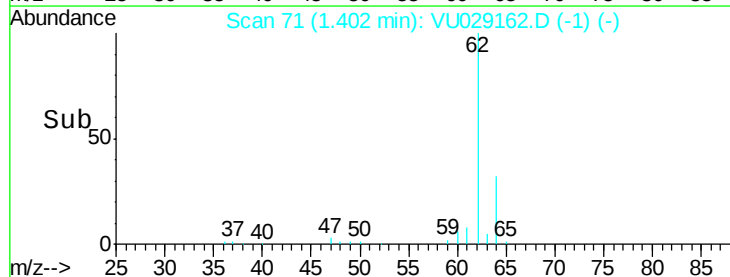
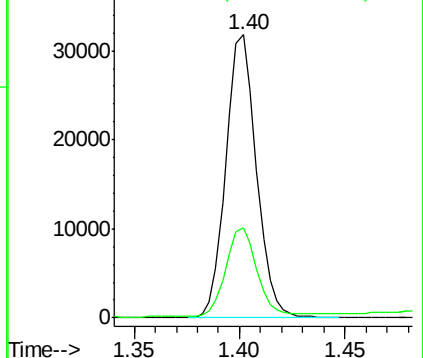
62 100

64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.943 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 94 Resp: 17373

Ion Ratio Lower Upper

94 100

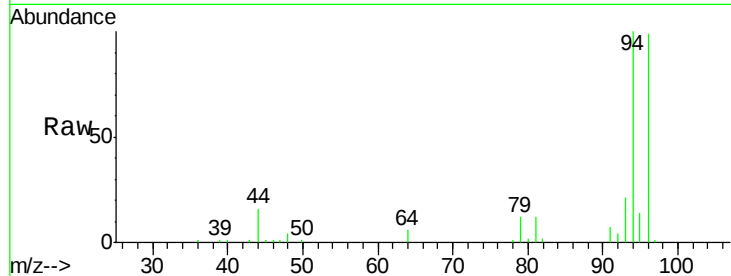
96 98.8 75.5 113.3

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

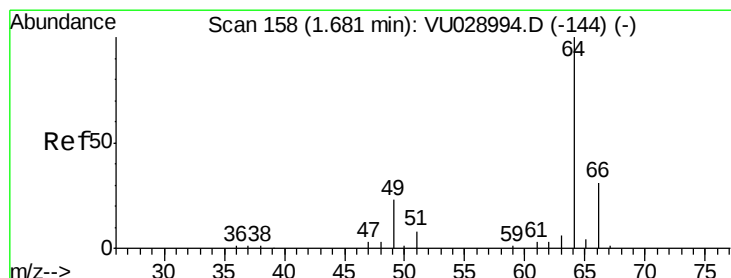
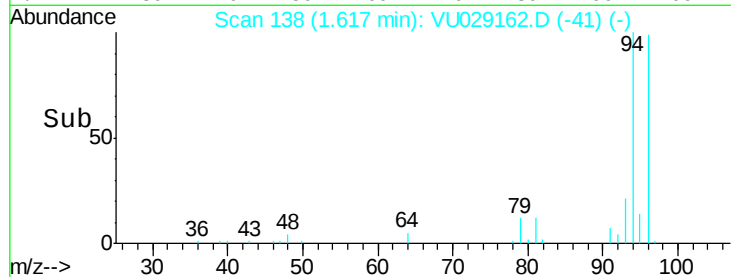
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.201 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029162.D

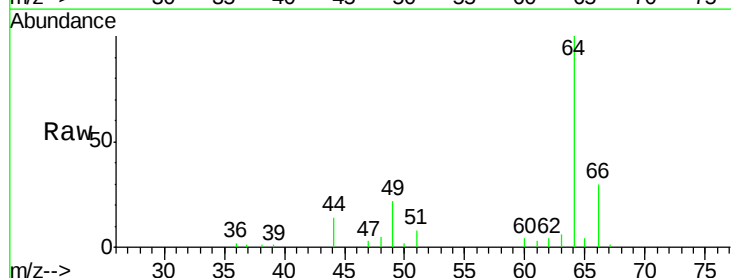
Acq: 14 Jan 2019 13:48

Tgt Ion: 64 Resp: 19520

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

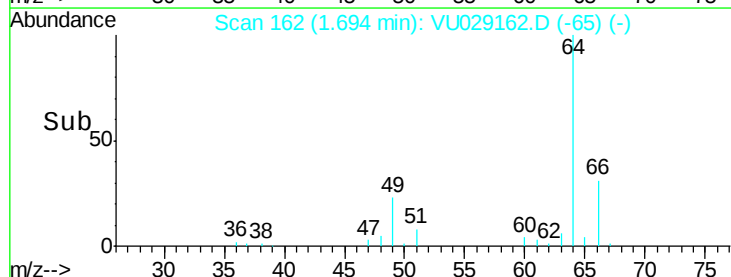
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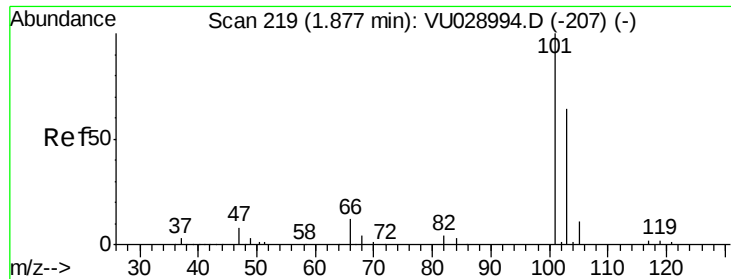
10000

5000

0

Time-->





#7

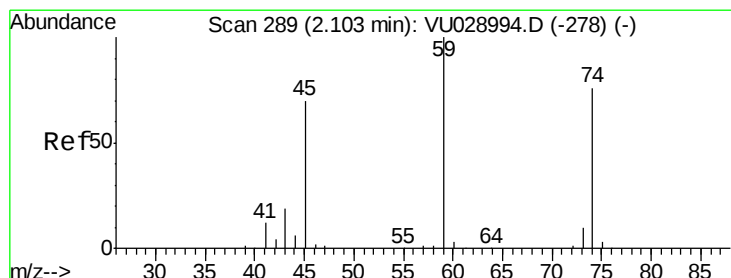
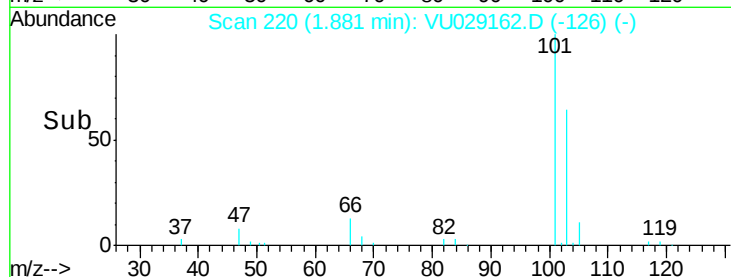
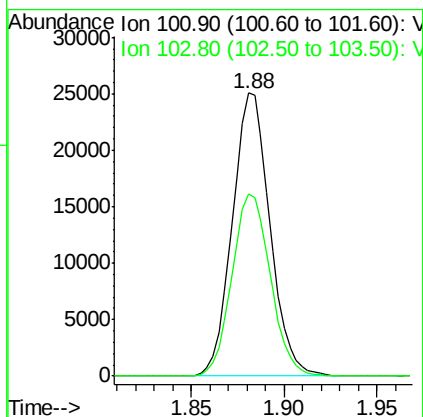
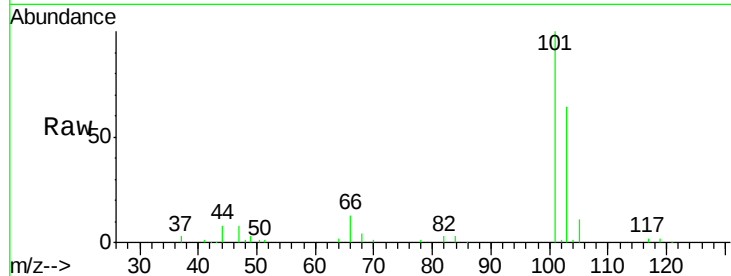
Trichlorofluoromethane
Concen: 19.920 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion:101 Resp: 35214
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

Manual Integrations
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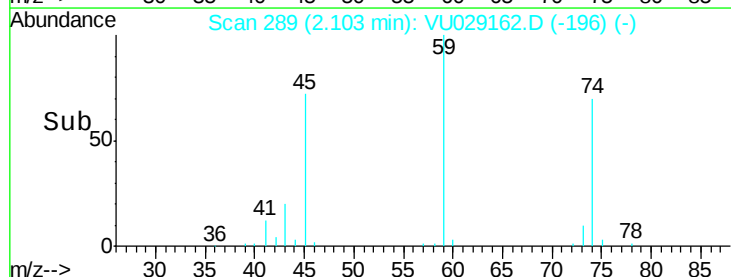
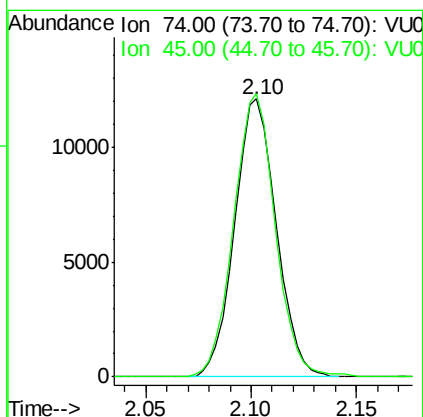
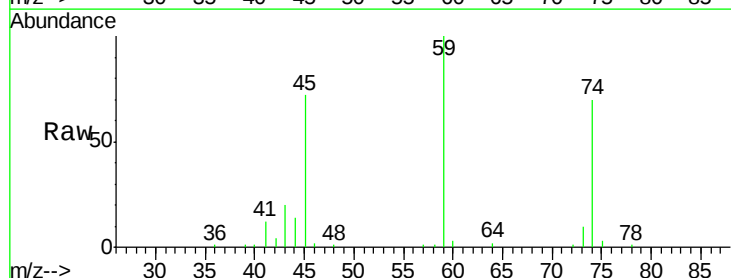
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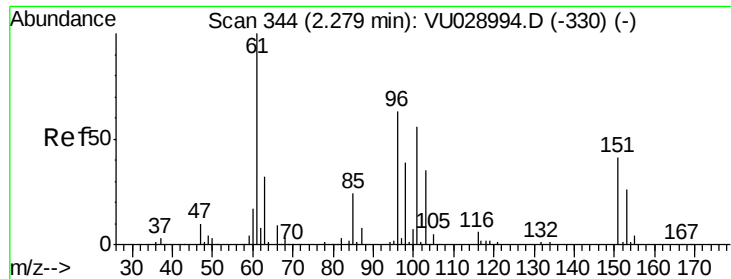


#8

Diethyl Ether
Concen: 19.523 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 74 Resp: 16580
Ion Ratio Lower Upper
74 100
45 101.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.149 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

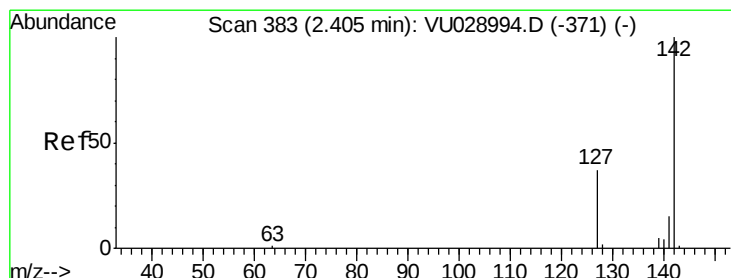
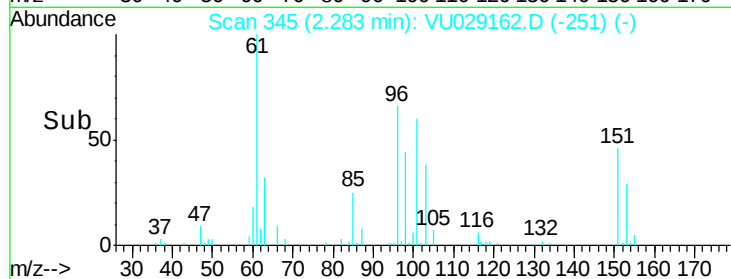
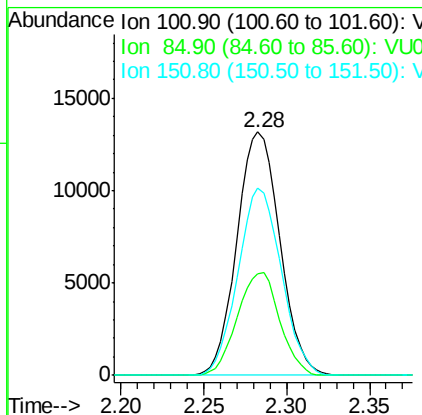
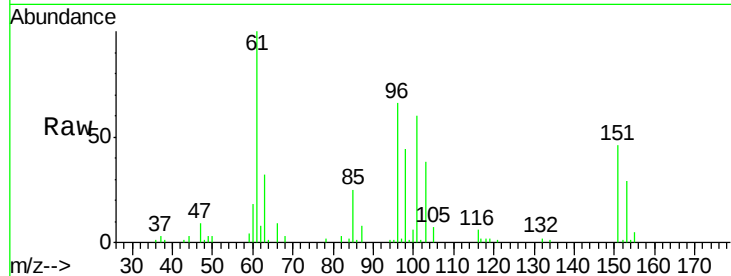
ClientSampleId :

VU0114WBSD01

Tot Ion:	101	Resp:	23832
Ion Ratio	Lower	Upper	
101	100		
85	41.4	35.1	52.7
151	77.5	60.2	90.2

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#10

Methyl Iodide

Concen: 16.699 ug/l

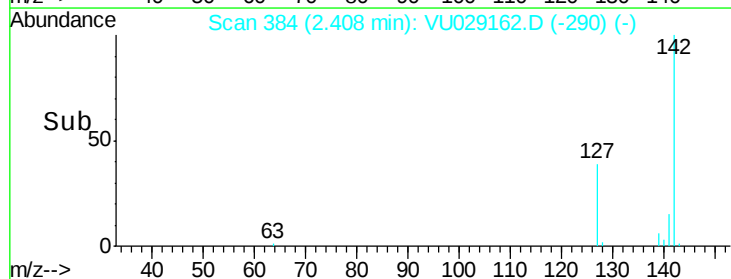
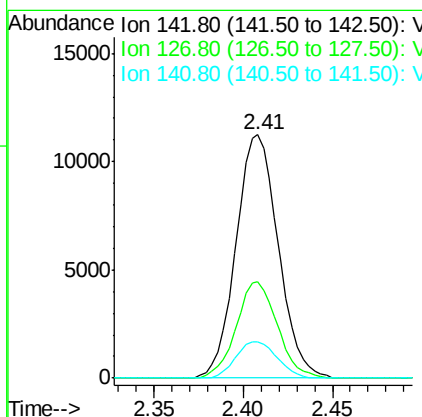
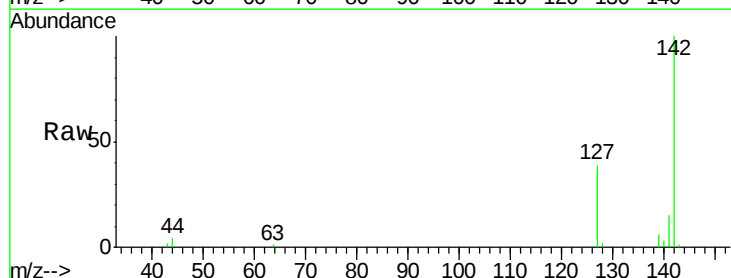
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	142	Resp:	18572
Ion Ratio	Lower	Upper	
142	100		
127	38.7	29.8	44.6
141	14.6	11.5	17.3





#11

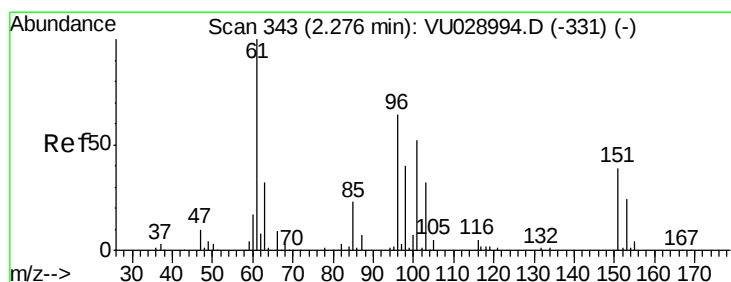
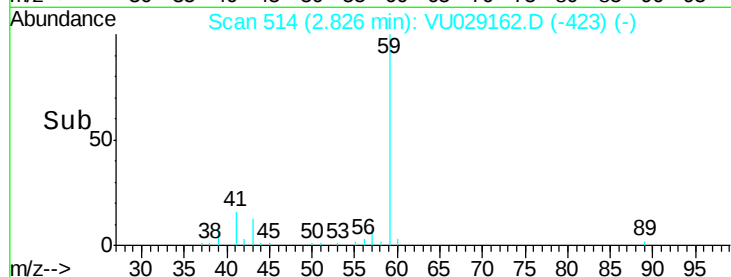
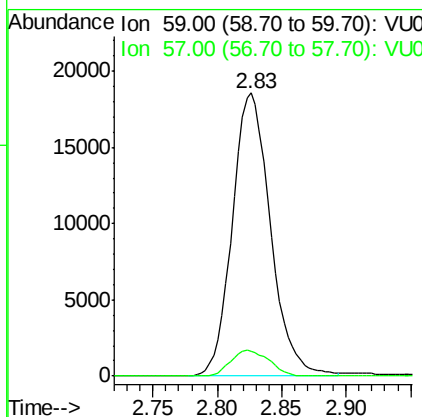
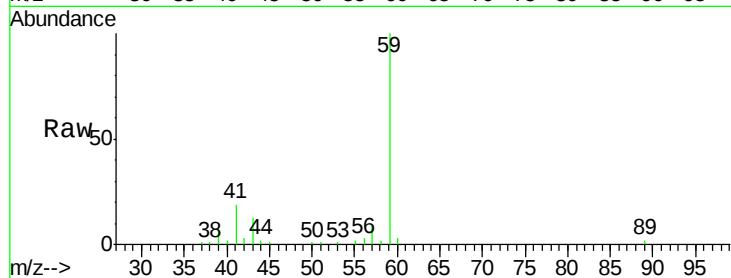
Tert butyl alcohol
 Concen: 109.945 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.9	11.9

Manual Integrations
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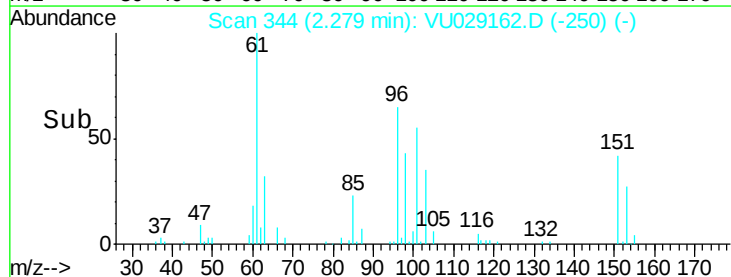
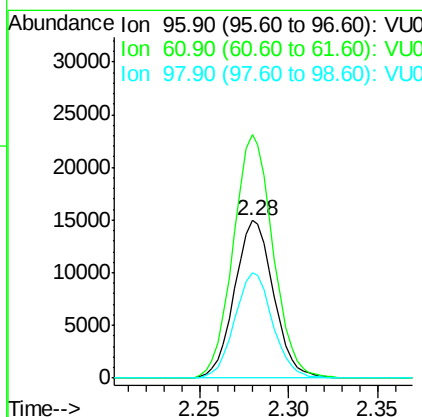
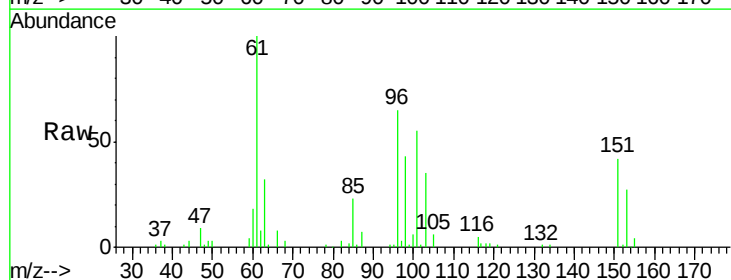
MMDadoda
 1/15/2019 11:29:40 AM

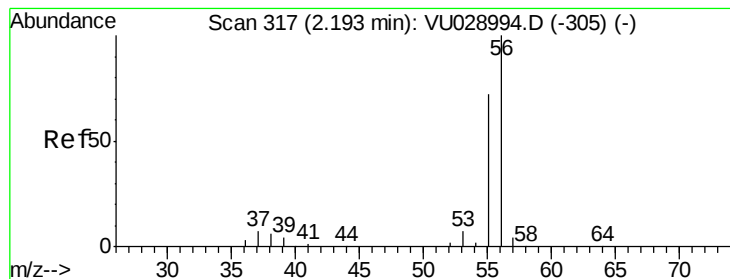


#12

1,1-Dichloroethene
 Concen: 19.925 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	125.4	188.0
98	66.9	49.7	74.5





#13

Acrolein

Concen: 88.754 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleID :

VU0114WBSD01

Tot Ion: 56 Resp: 23246

Ion Ratio Lower Upper

56 100

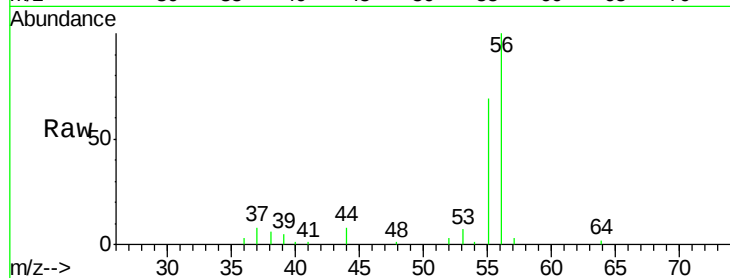
55 68.3 56.5 84.7

Manual Integrations

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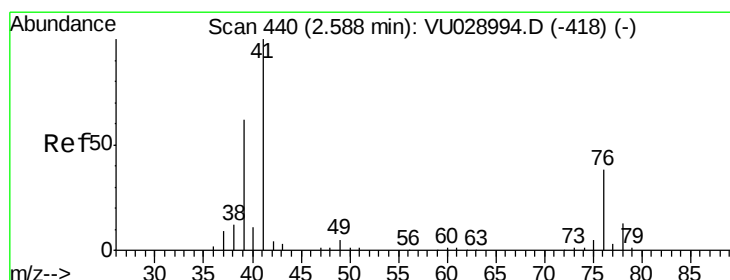
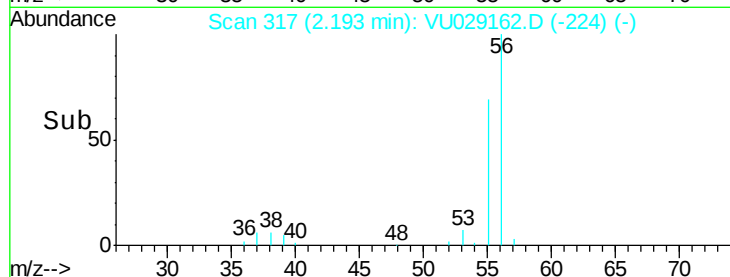
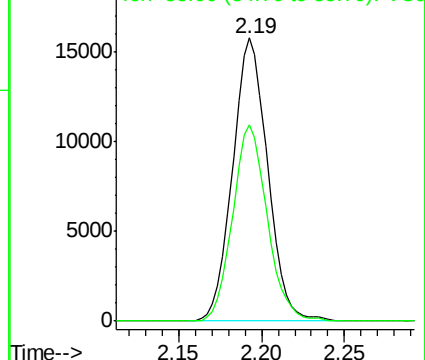
MMDadoda

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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: 18.411 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

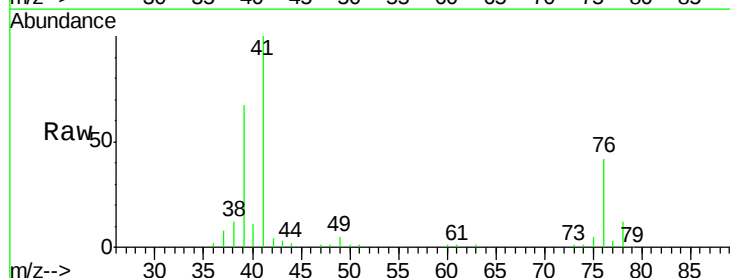
Tgt Ion: 41 Resp: 38892

Ion Ratio Lower Upper

41 100

39 65.9 45.0 67.6

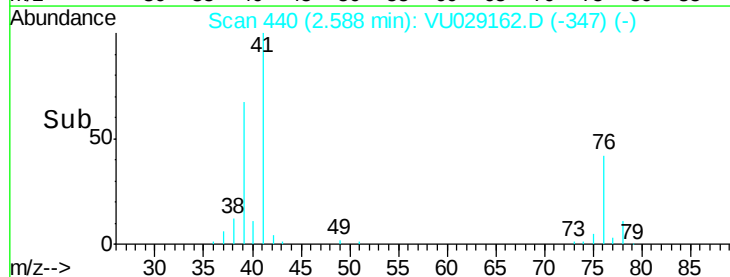
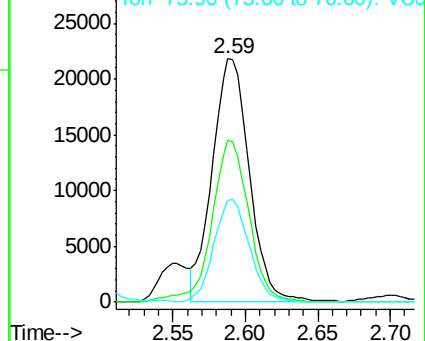
76 40.1 28.1 42.1

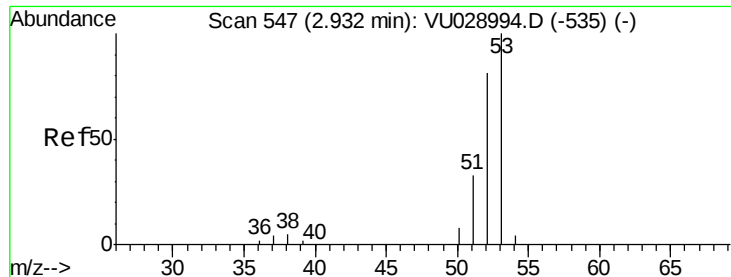


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 108.687 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

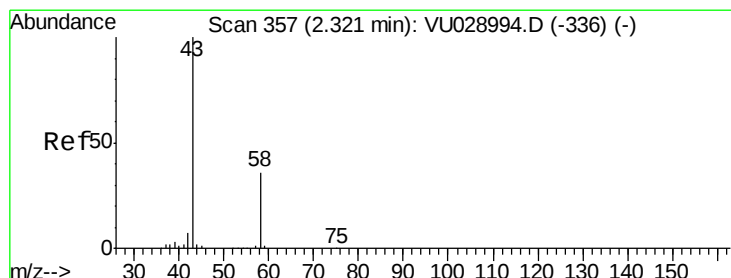
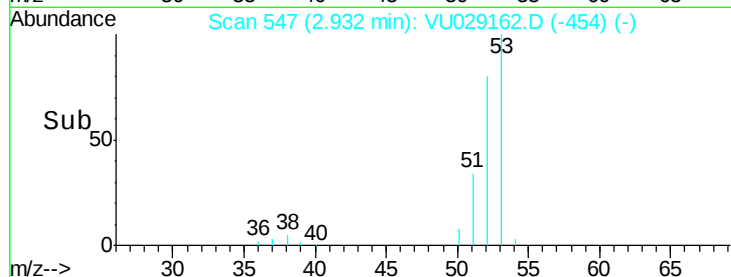
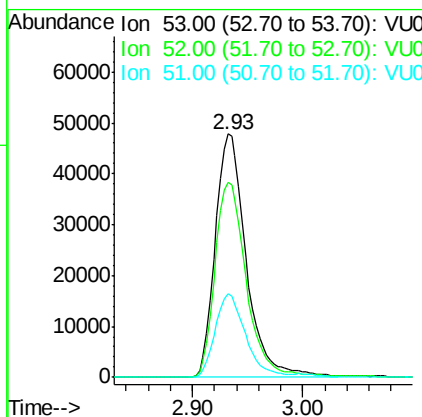
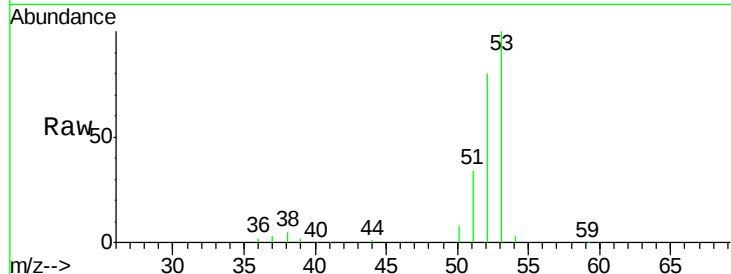
ClientSampleId :

VU0114WBSD01

Tot Ion:	53	Resp:	93007
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.8	97.2
51	33.7	27.3	40.9

Manual Integrations
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1/15/2019 11:29:40 AM



#16

Acetone

Concen: 89.153 ug/l

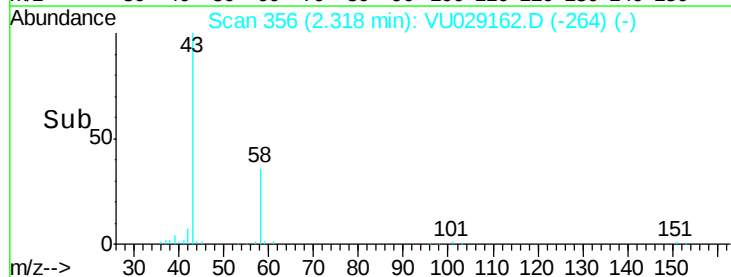
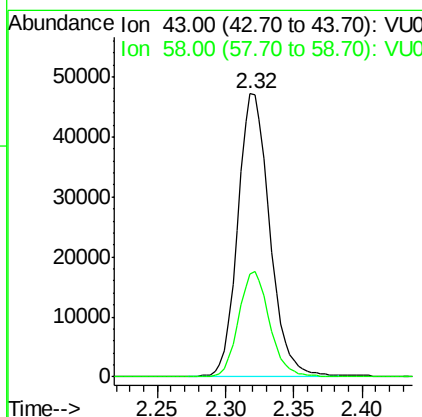
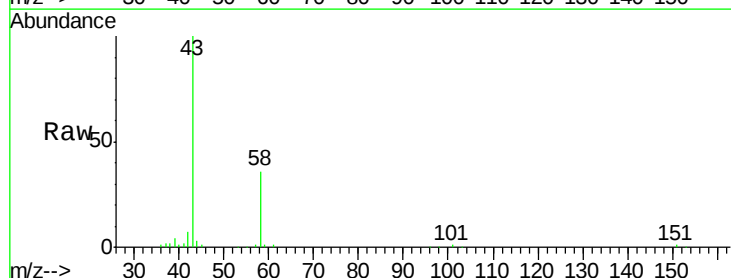
RT: 2.32 min Scan# 356

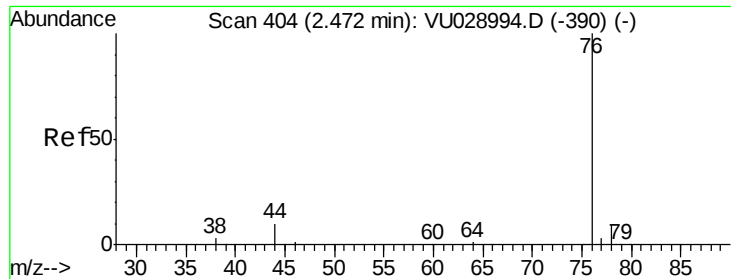
Delta R.T. -0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	43	Resp:	77069
Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	42.8





#17

Carbon Disulfide

Concen: 18.547 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleID :

VU0114WBSD01

Tot Ion: 76 Resp: 72046

Ion Ratio Lower Upper

76 100

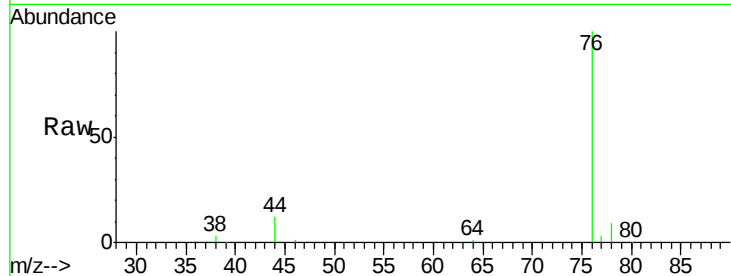
78 9.5 7.2 10.8

Manual Integrations

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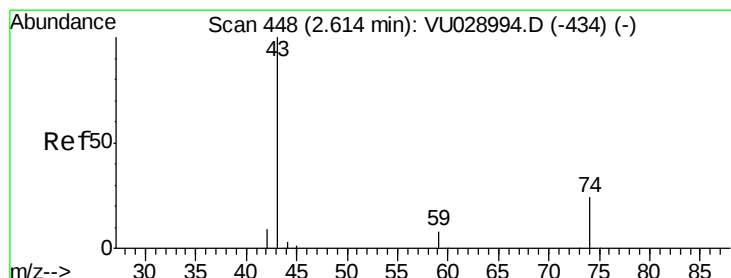
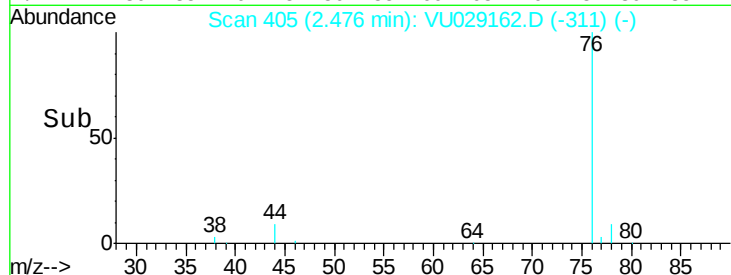
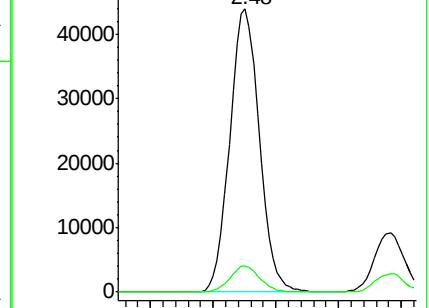
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.996 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029162.D

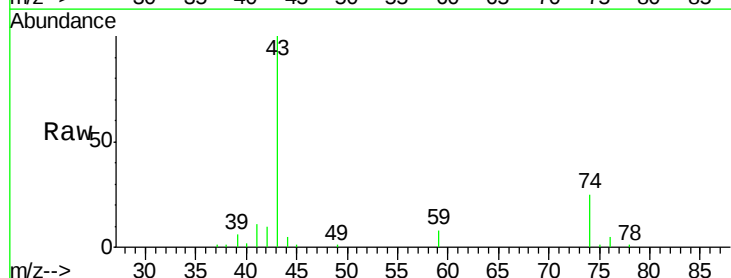
Acq: 14 Jan 2019 13:48

Tgt Ion: 43 Resp: 46223

Ion Ratio Lower Upper

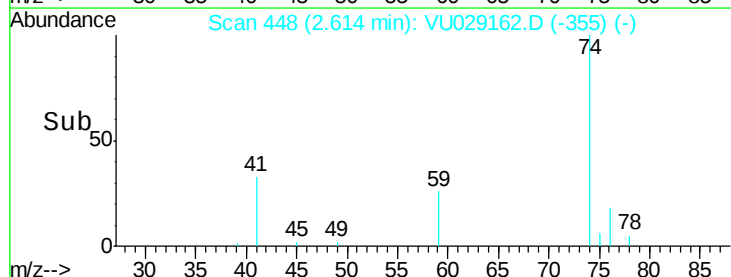
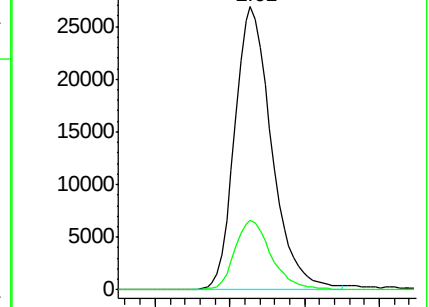
43 100

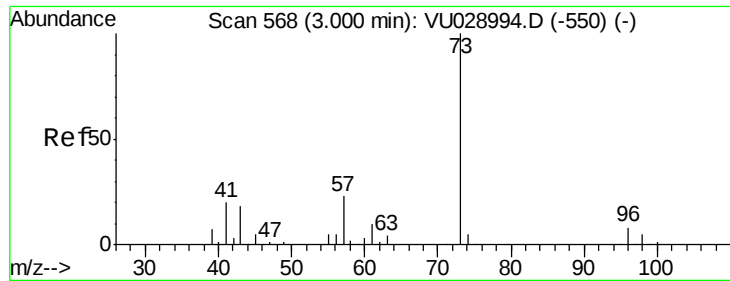
74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





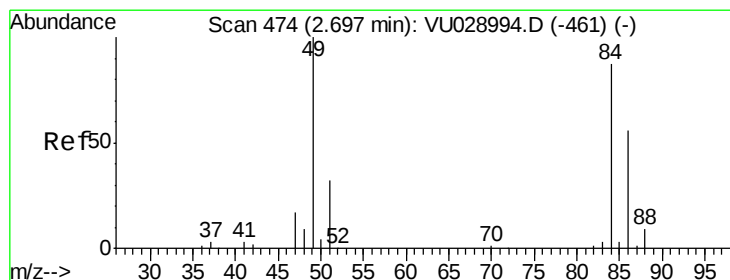
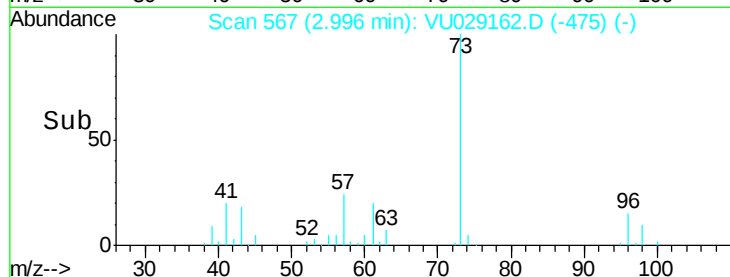
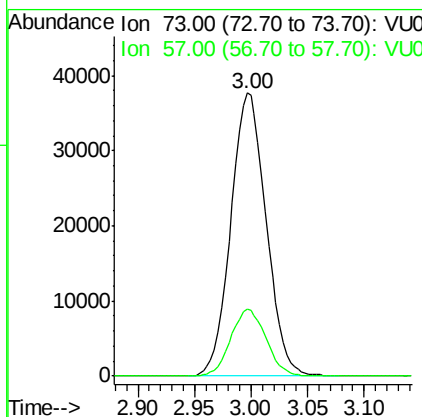
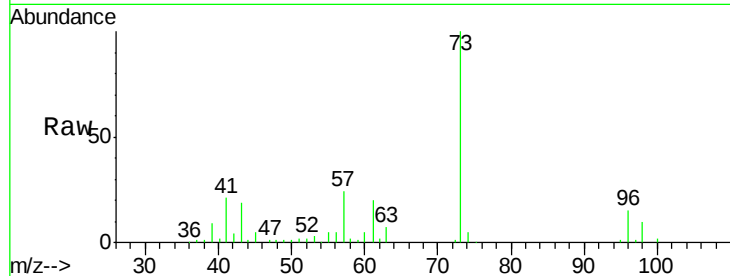
#19
Methvl tert-butvl Ether
Concen: 20.220 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion: 73 Resp: 81843
Ion Ratio Lower Upper
73 100
57 23.6 18.6 28.0

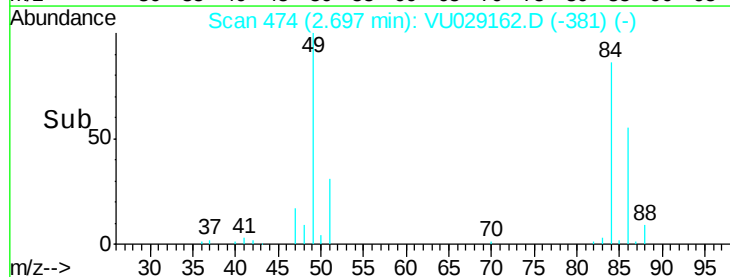
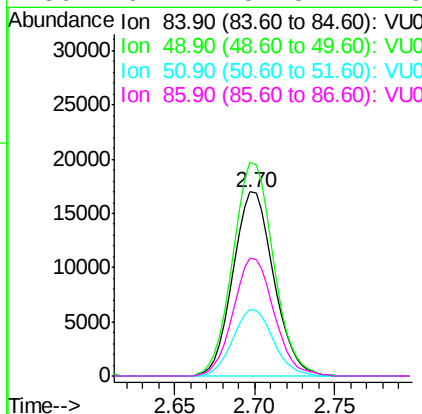
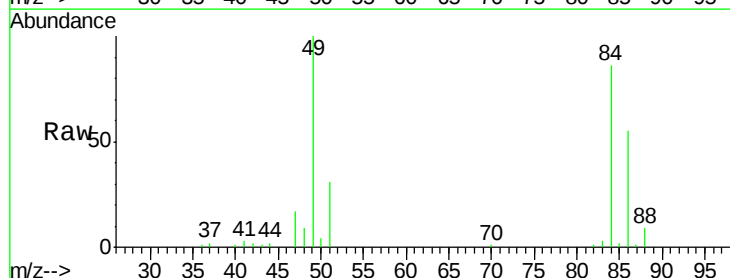
Manual Integrations
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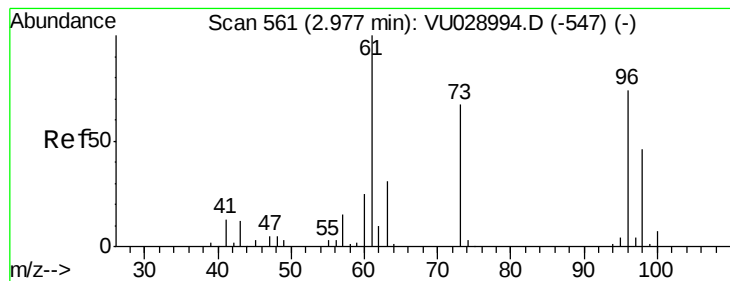
MMDadoda
1/15/2019 11:29:40 AM



#20
Methylene Chloride
Concen: 20.130 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 84 Resp: 29545
Ion Ratio Lower Upper
84 100
49 116.1 91.9 137.9
51 36.0 29.2 43.8
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 96 Resp: 25742

Ion Ratio Lower Upper

96 100

61 133.2 107.7 161.5

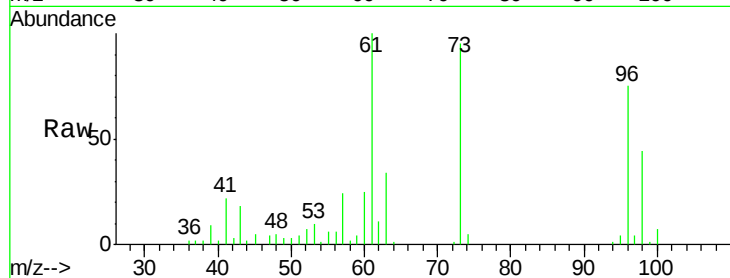
98 59.0 49.2 73.8

Manual Integrations

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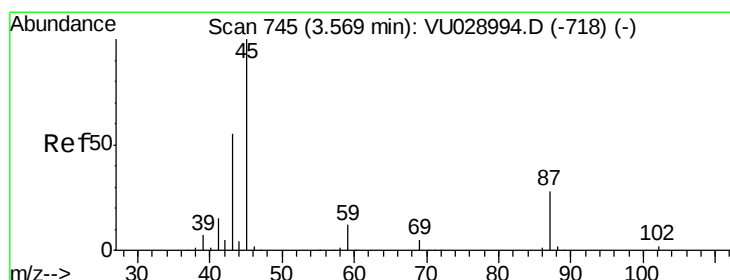
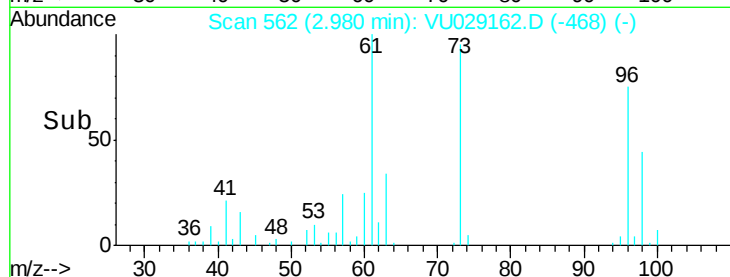
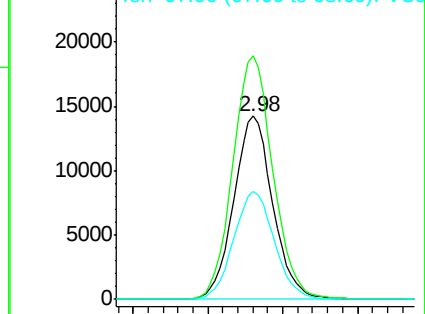


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.179 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion: 45 Resp: 88418

Ion Ratio Lower Upper

45 100

43 61.5 44.7 67.1

87 27.1 22.2 33.2

59 12.4 9.8 14.8

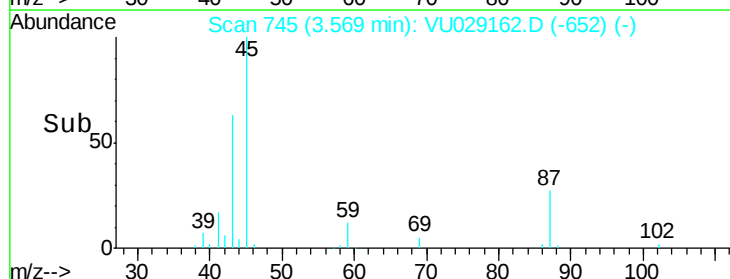
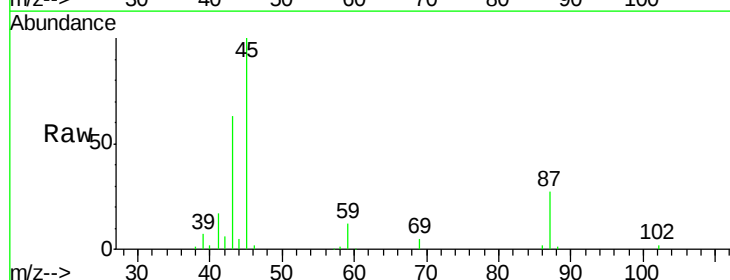
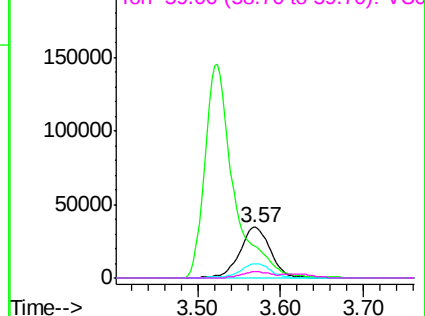
Abundance

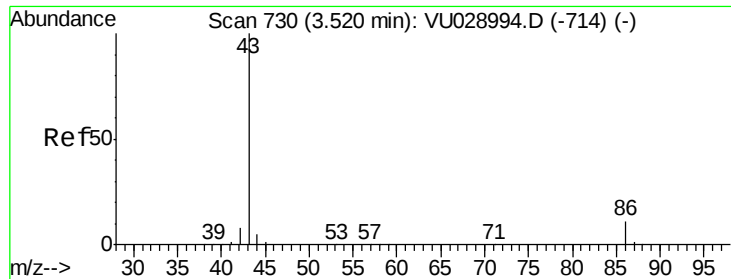
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 104.114 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 43 Resp: 355342

Ion Ratio Lower Upper

43 100

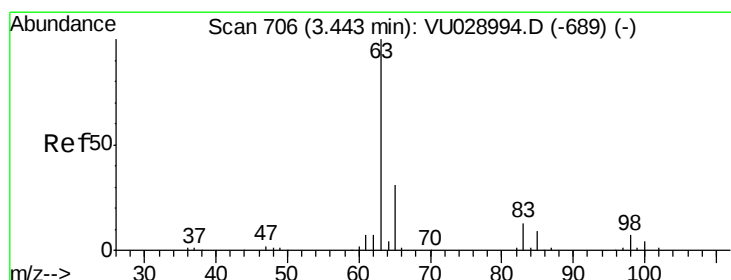
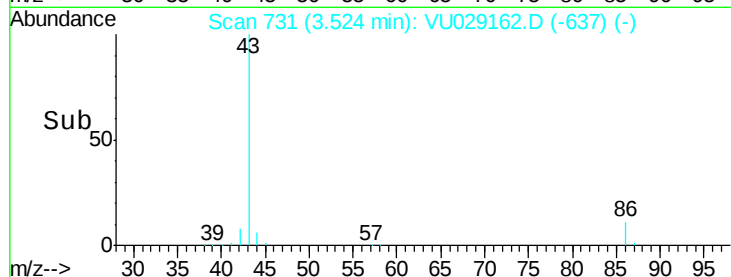
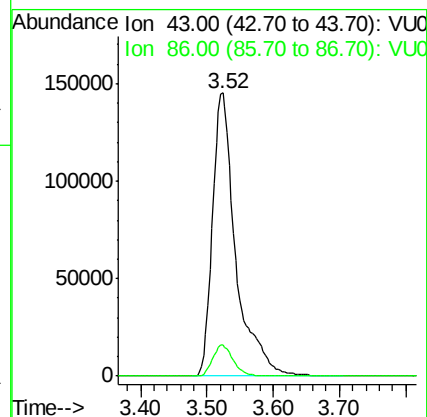
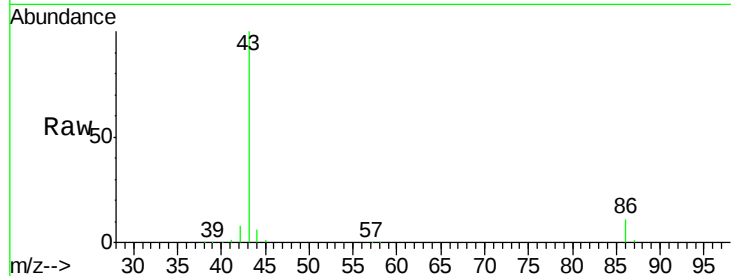
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.986 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

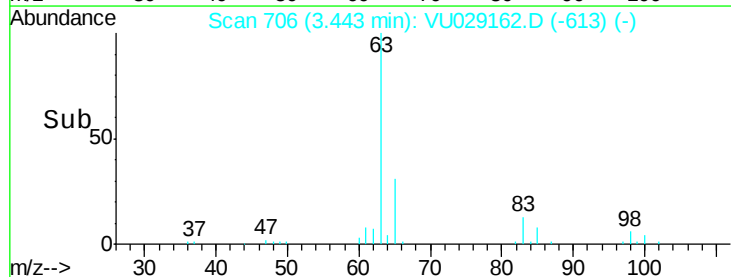
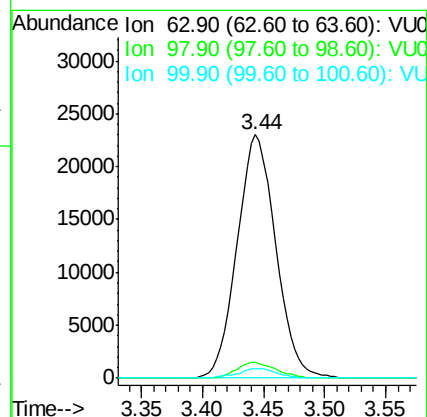
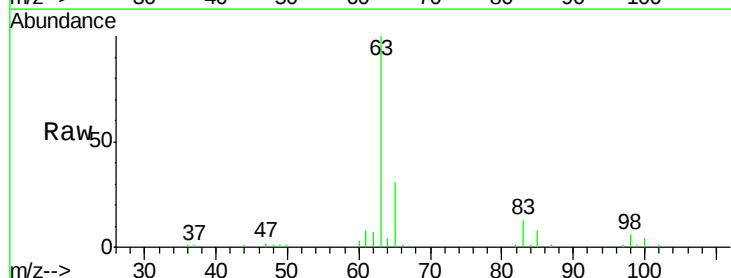
Tgt Ion: 63 Resp: 50578

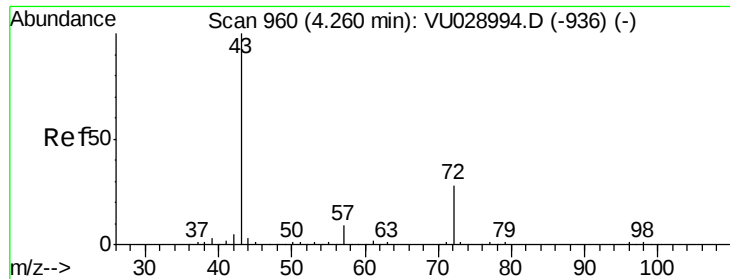
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 106.561 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 43 Resp: 124418

Ion Ratio Lower Upper

43 100

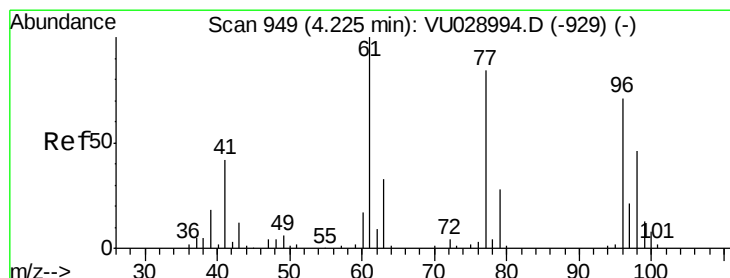
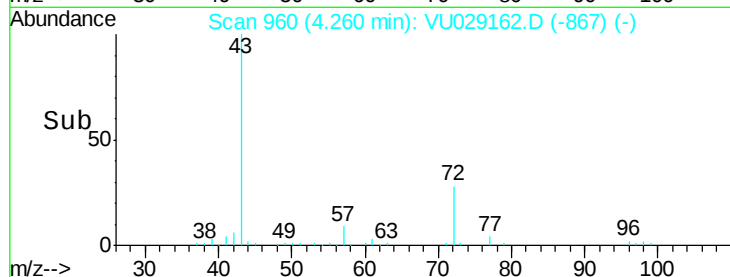
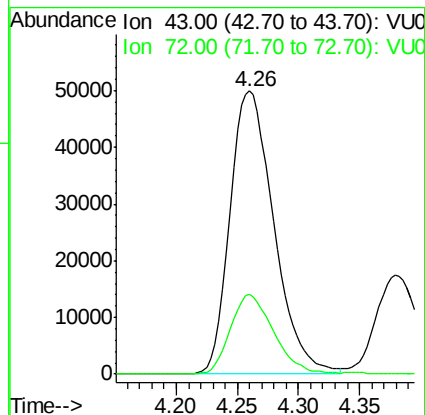
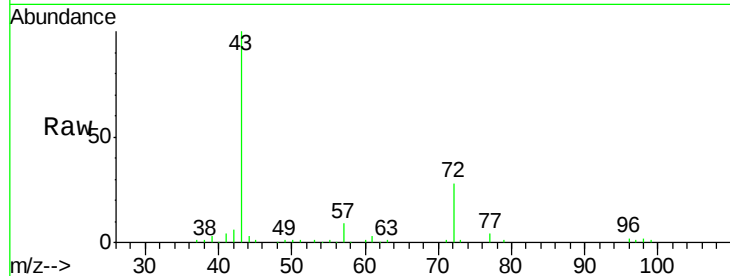
72 28.4 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.585 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029162.D

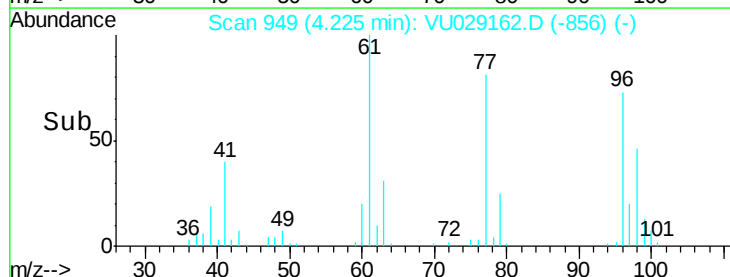
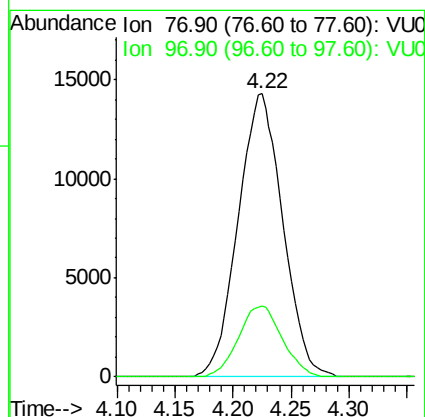
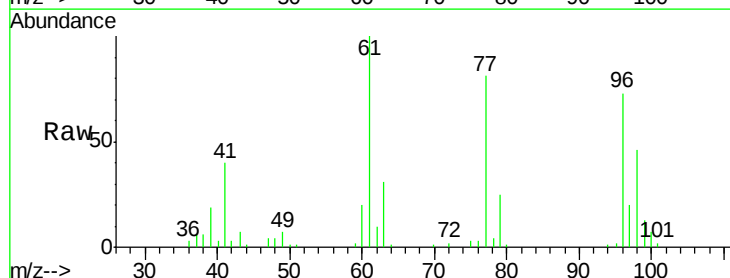
Acq: 14 Jan 2019 13:48

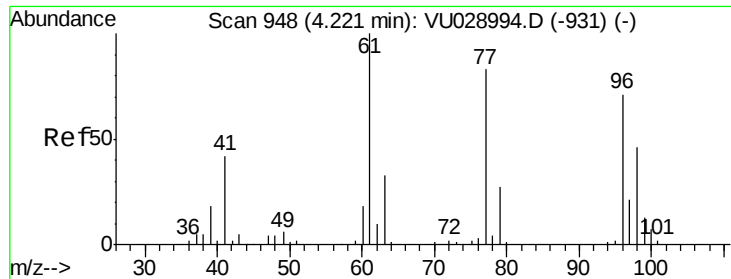
Tgt Ion: 77 Resp: 38139

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.1





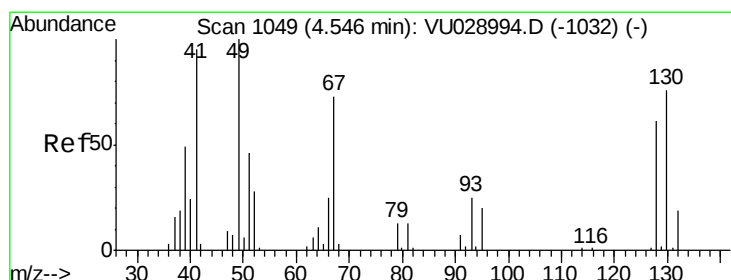
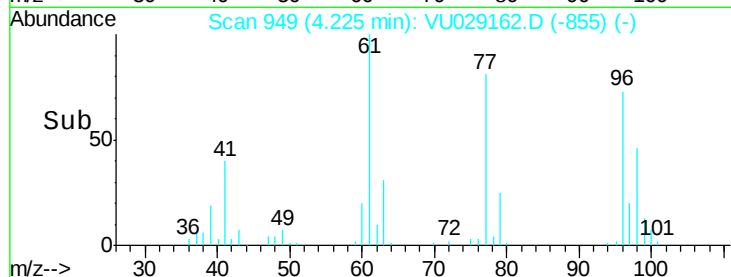
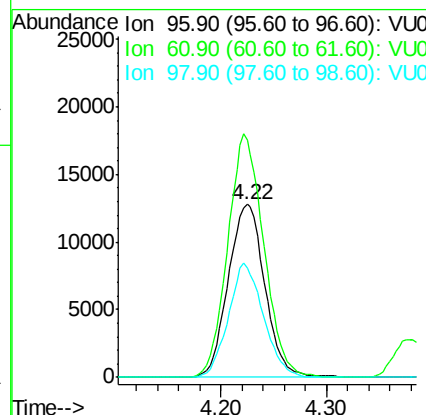
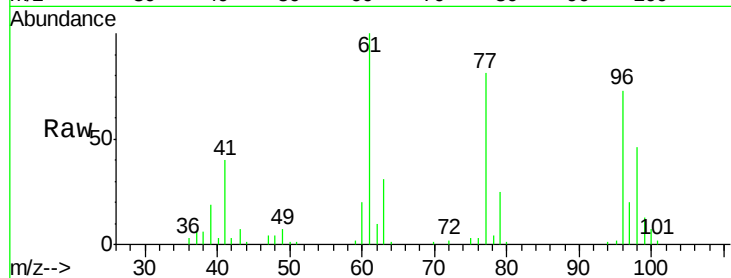
#27
 cis-1,2-Dichloroethene
 Concen: 21.020 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30751		
61	138.3		0.0	285.6
98	63.0		0.0	130.2

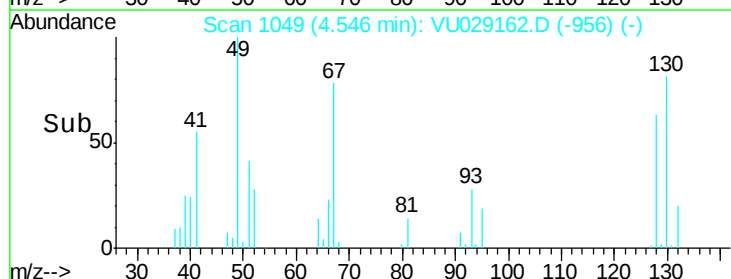
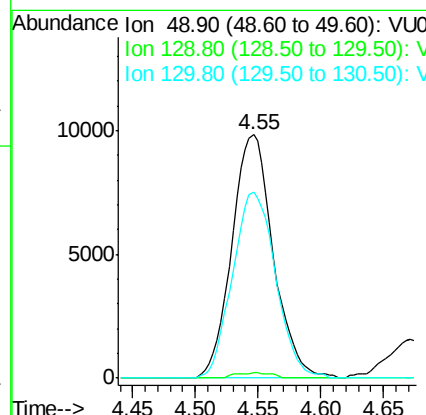
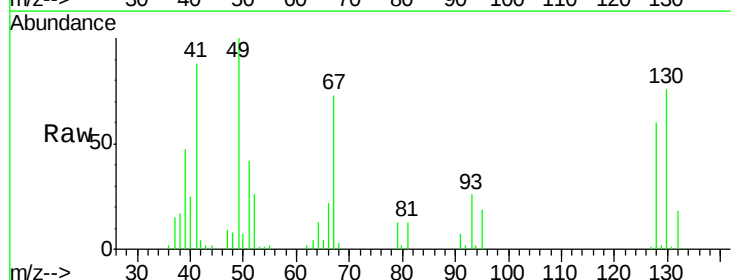
Manual Integrations
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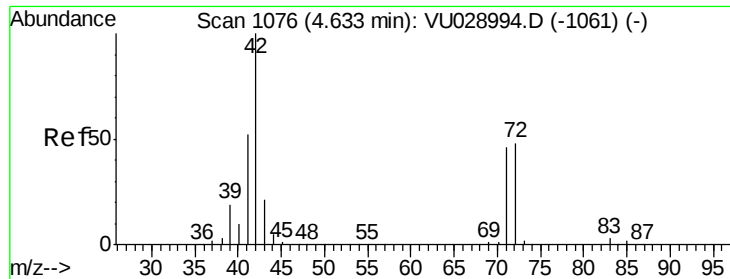
MMDadoda
 1/15/2019 11:29:40 AM



#28
 Bromochloromethane
 Concen: 21.848 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22547		
129	1.8		0.0	3.4
130	79.5		62.9	94.3





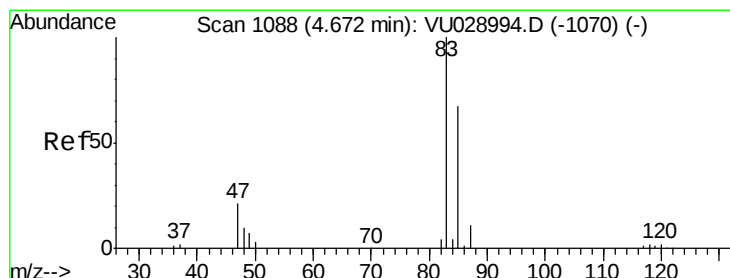
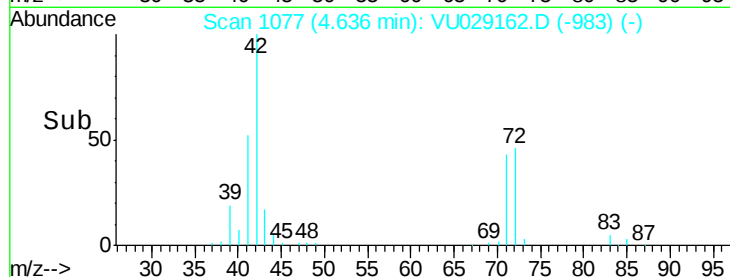
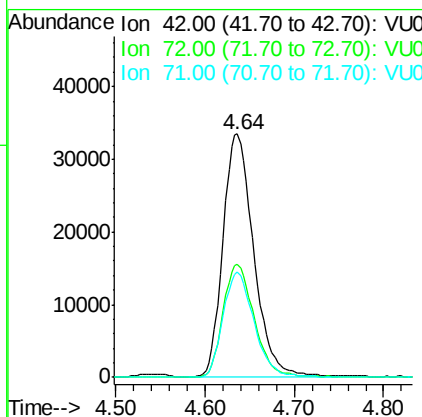
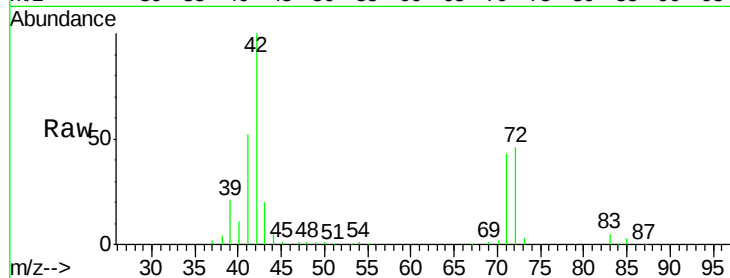
#29
Tetrahydrofuran
Concen: 113.495 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	38.3	57.5
71	43.5	36.1	54.1

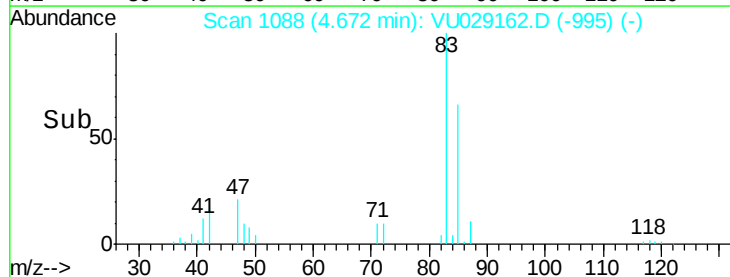
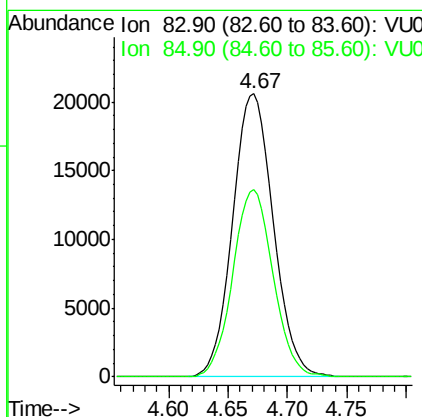
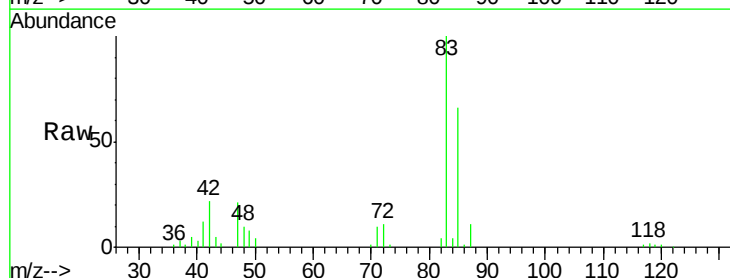
Manual Integrations
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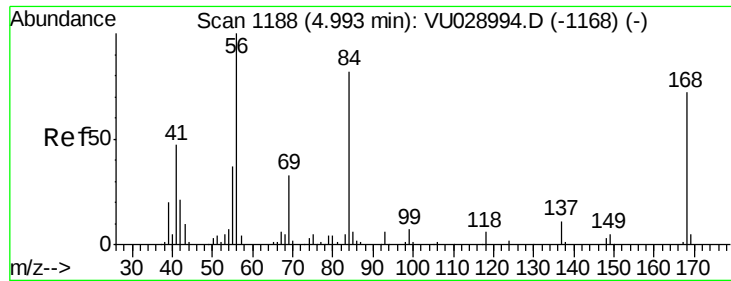
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#30
Chloroform
Concen: 21.298 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.4	80.0





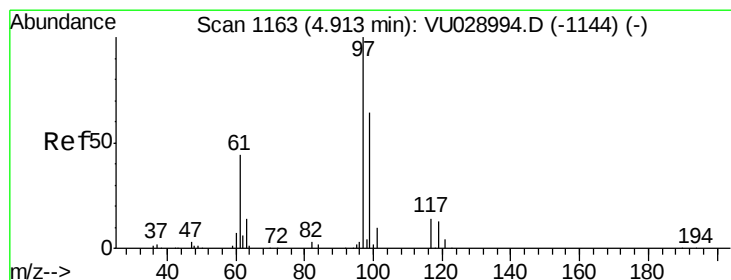
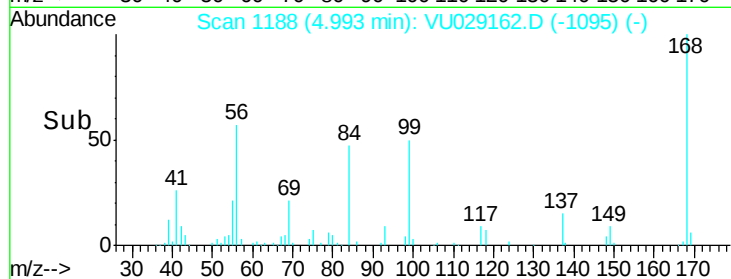
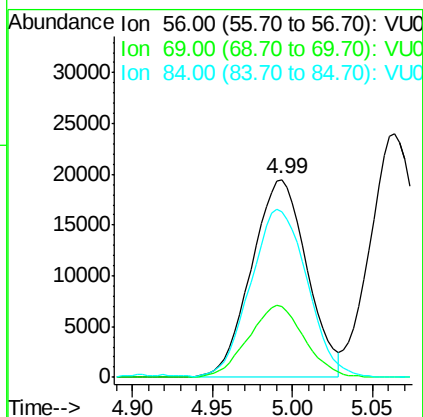
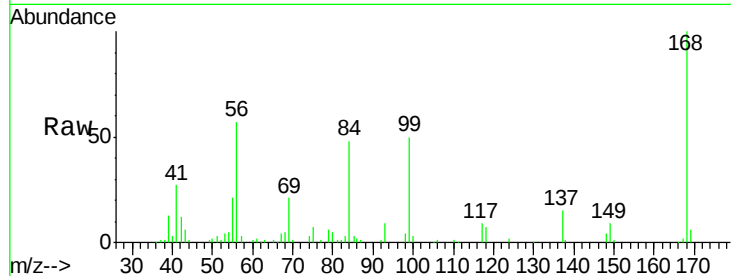
#31
Cyclohexane
Concen: 19.851 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	26.7	40.1
84	82.9	65.7	98.5

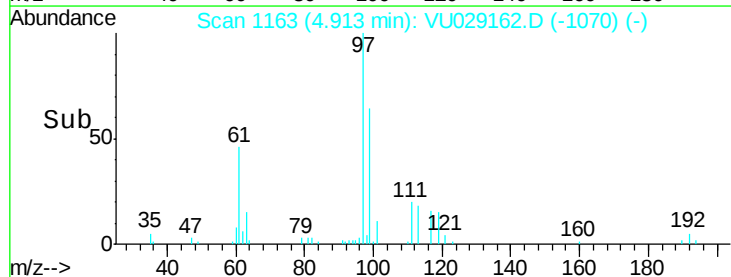
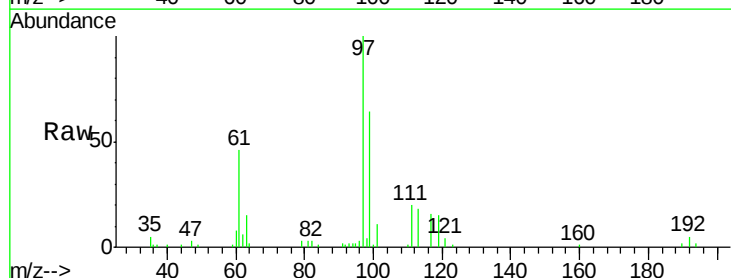
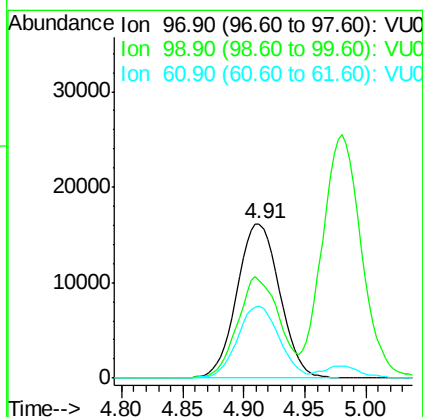
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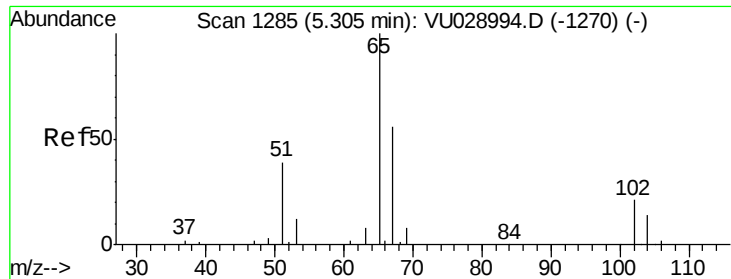
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.730 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	45.6	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 52.226 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 65 Resp: 71667

Ion Ratio Lower Upper

65 100

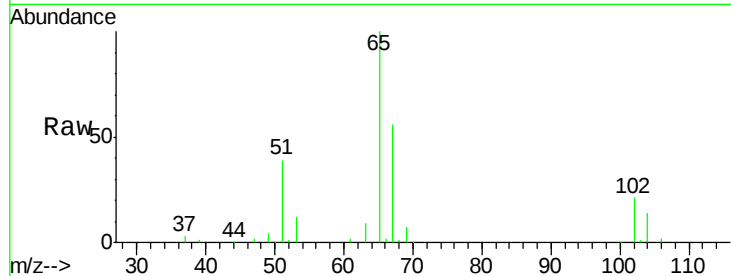
67 55.5 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

40000

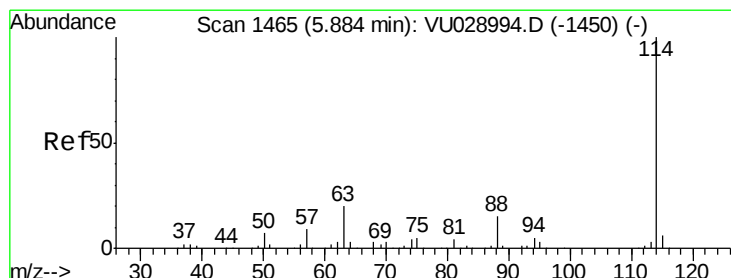
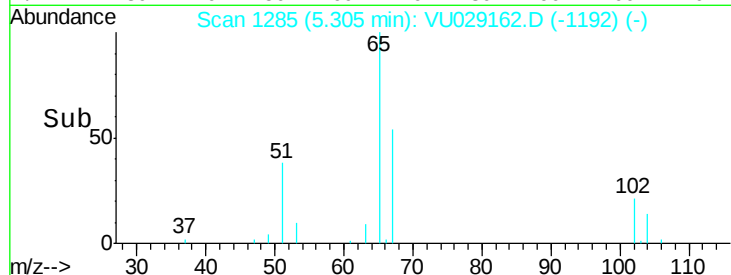
30000

20000

10000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

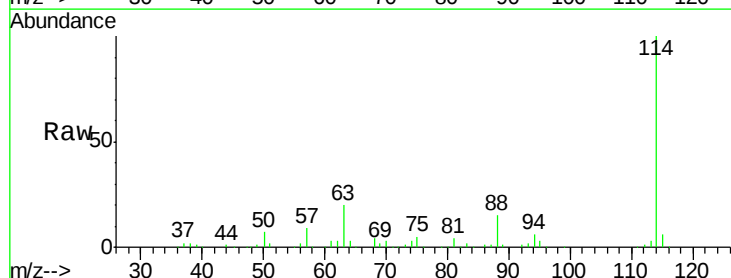
Tgt Ion: 114 Resp: 182790

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

5.88

120000

100000

80000

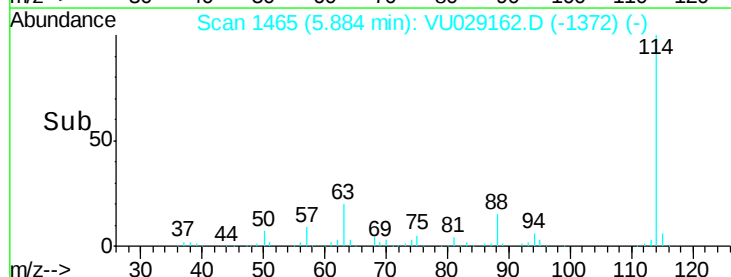
60000

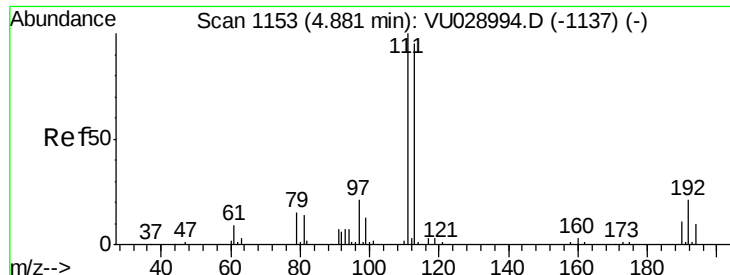
40000

20000

0

Time--> 5.80 5.85 5.90 5.95





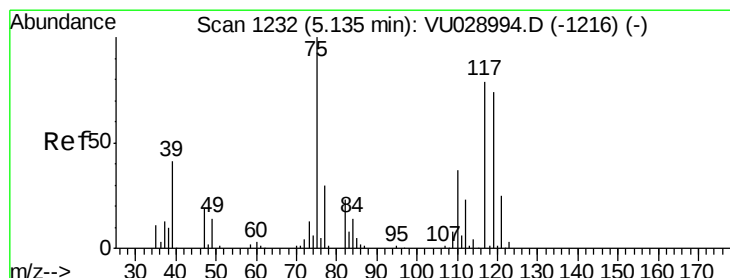
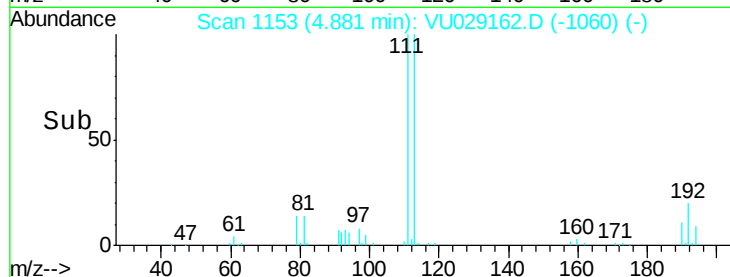
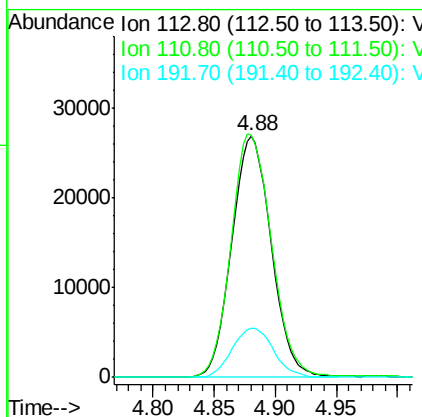
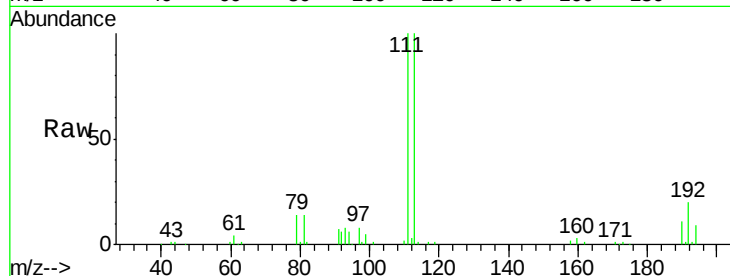
#35
 Dibromofluoromethane
 Concen: 50.896 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.2
192	21.3	16.8	25.2

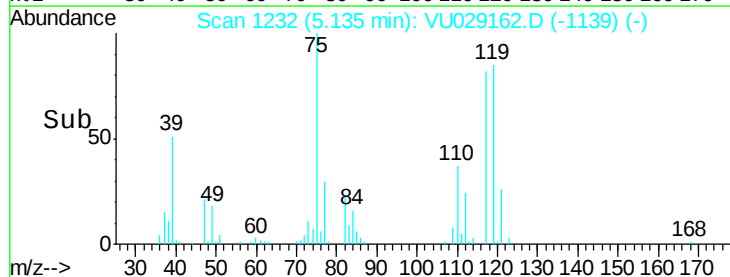
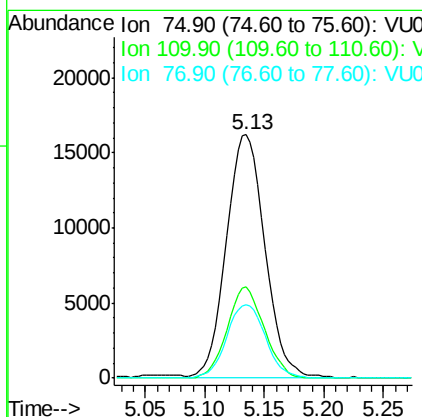
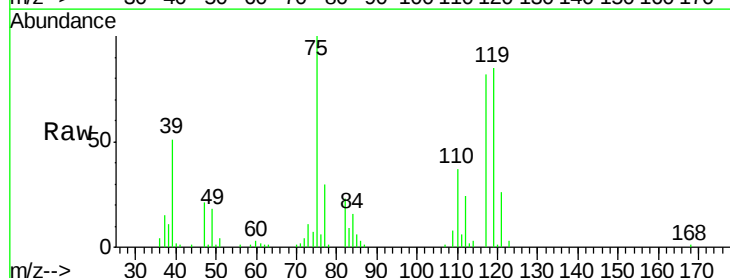
Manual Integrations
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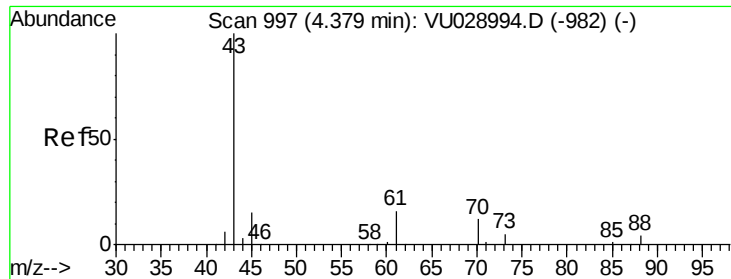
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#36
 1,1-Dichloropropene
 Concen: 20.021 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.4	55.4
77	30.2	25.1	37.7





#37

Ethyl Acetate

Concen: 21.655 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

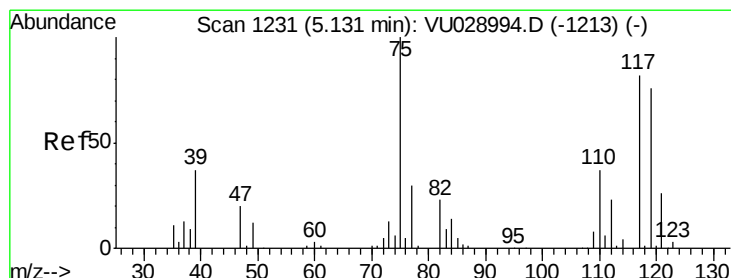
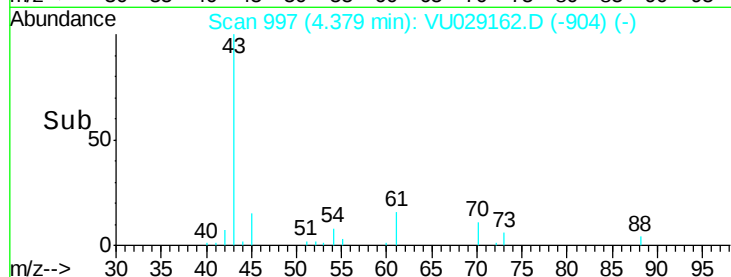
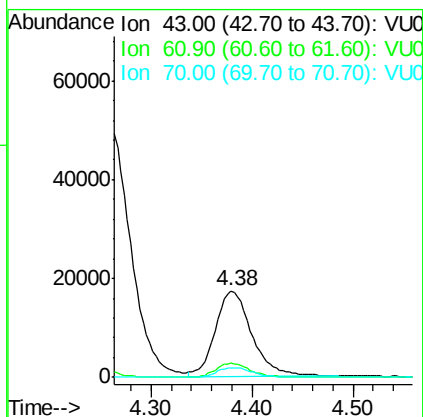
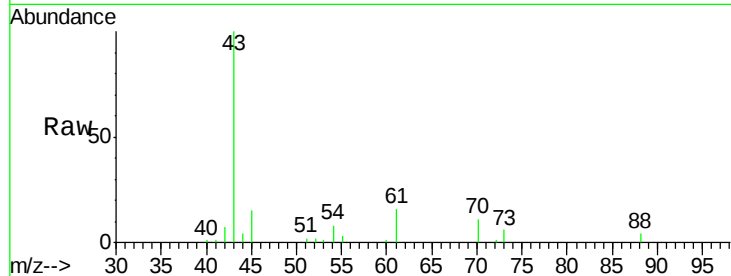
ClientSampleId :

VU0114WBSD01

Tot Ion:	43	Resp:	43429
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.6	18.8
70	11.2	9.3	13.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.699 ug/l

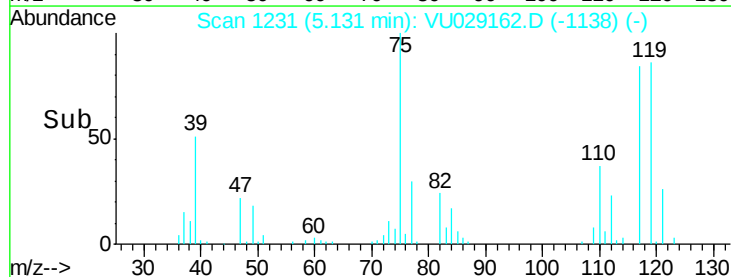
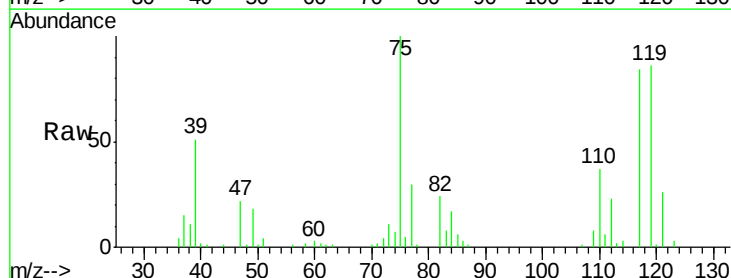
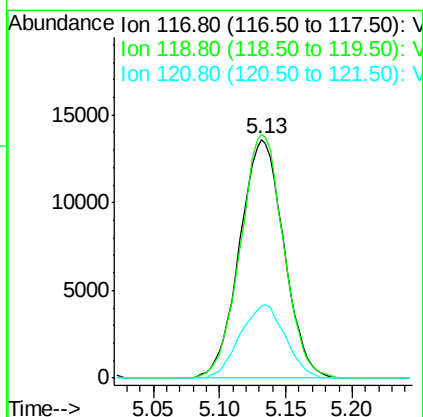
RT: 5.13 min Scan# 1231

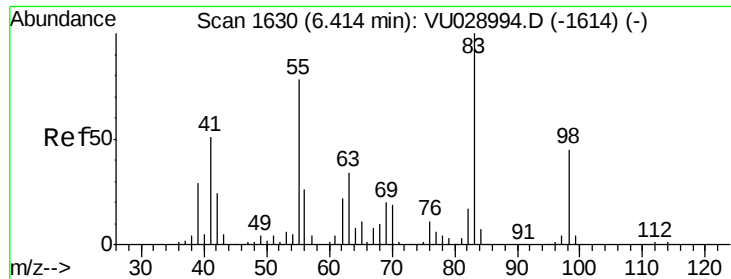
Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	117	Resp:	31542
Ion	Ratio	Lower	Upper
117	100		
119	102.1	74.6	111.8
121	30.3	25.0	37.6





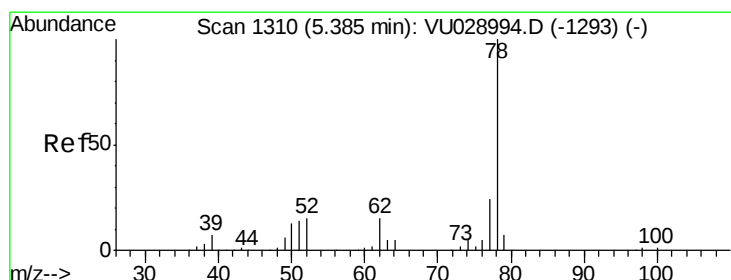
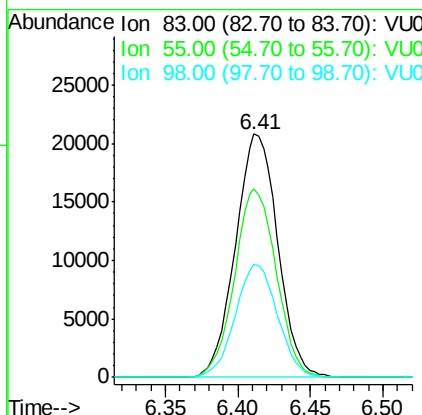
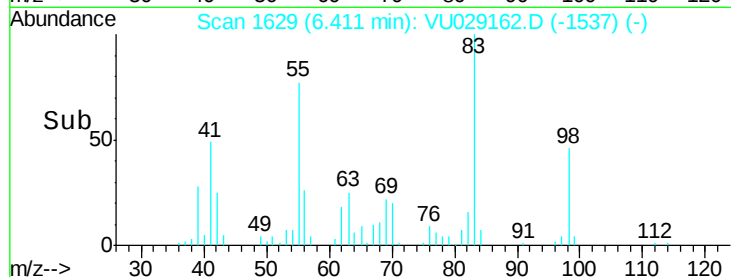
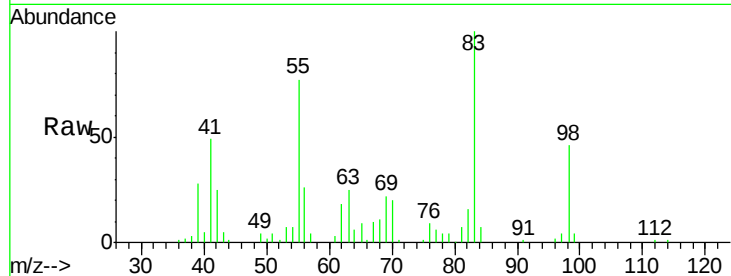
#39
Methvlcvclohexane
Concen: 18.803 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.4	93.6
98	46.3	36.2	54.2

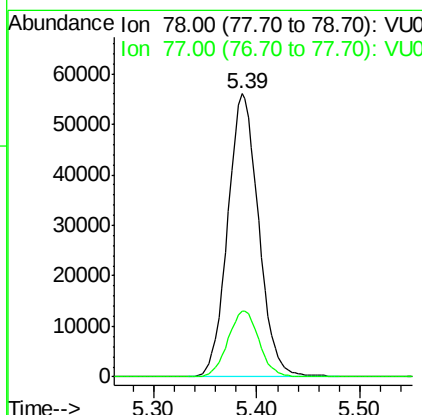
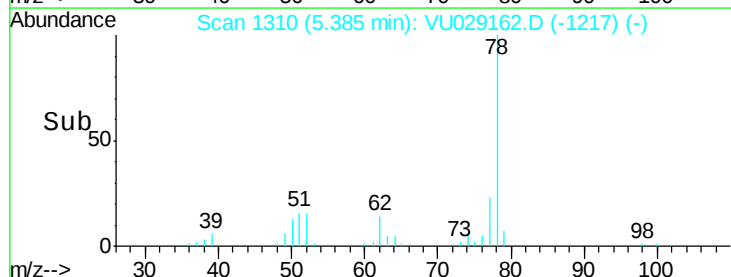
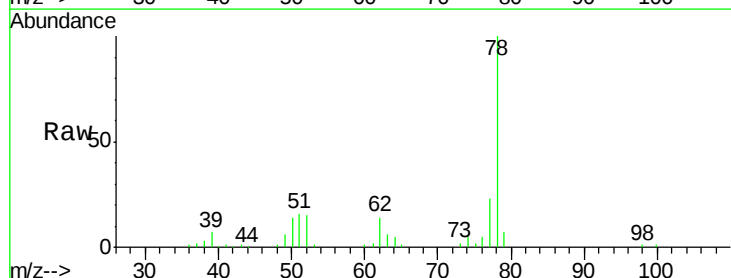
Manual Integrations
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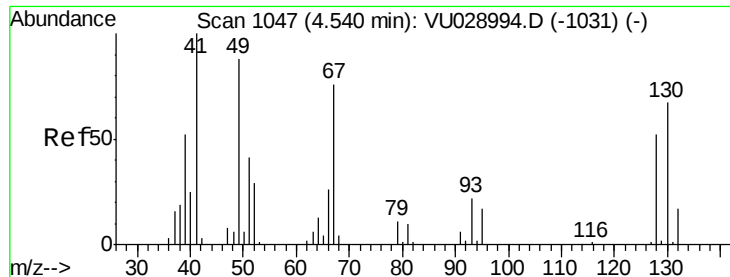
MMDadoda
1/15/2019 11:29:40 AM



#40
Benzene
Concen: 20.563 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





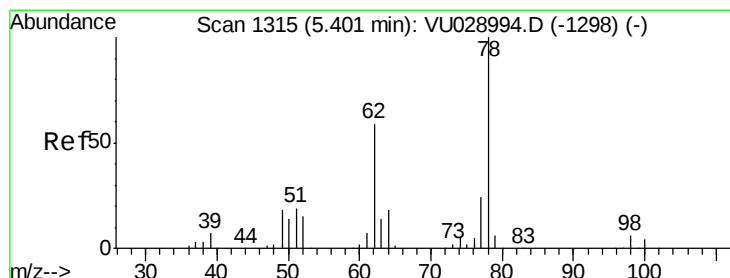
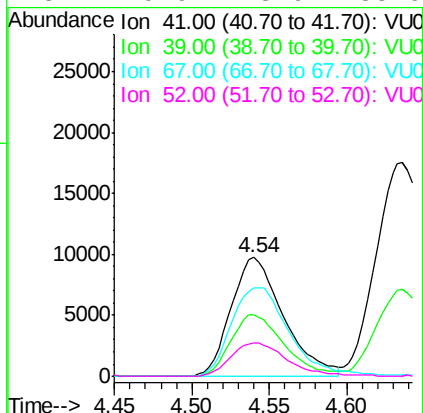
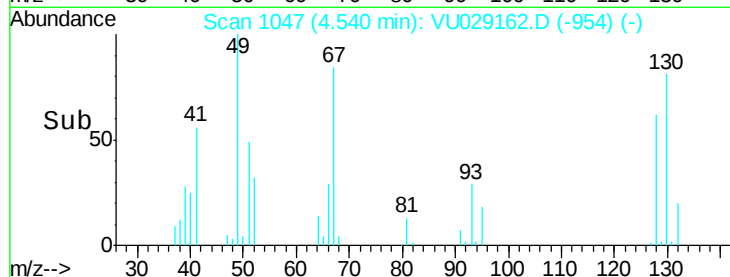
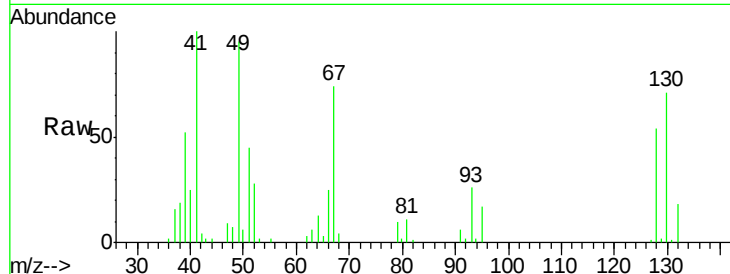
#41
Methacrylonitrile
Concen: 21.350 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.3	63.5	
67	82.5	64.4	96.6	
52	29.9	23.9	35.9	

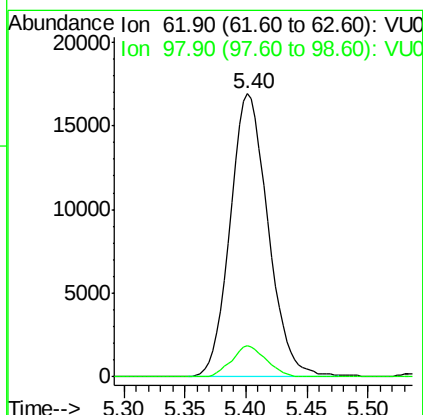
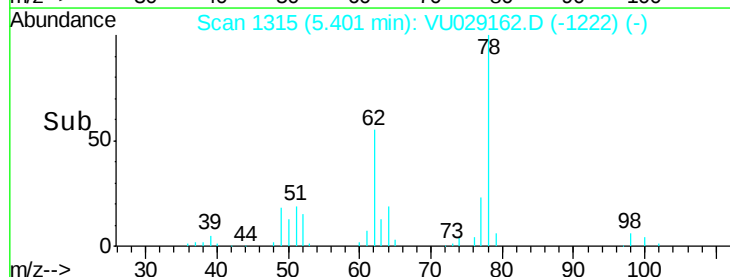
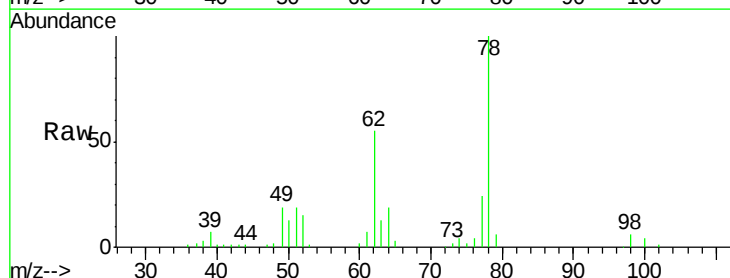
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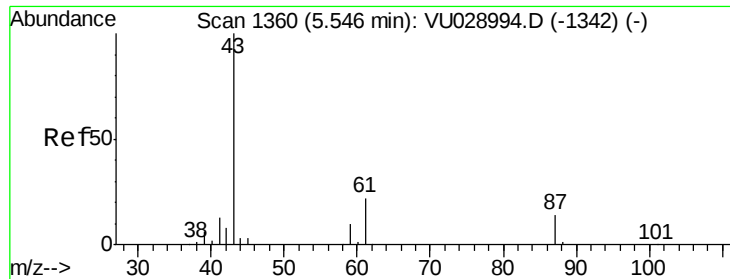
MMDadoda
1/15/2019 11:29:40 AM



#42
1,2-Dichloroethane
Concen: 21.383 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





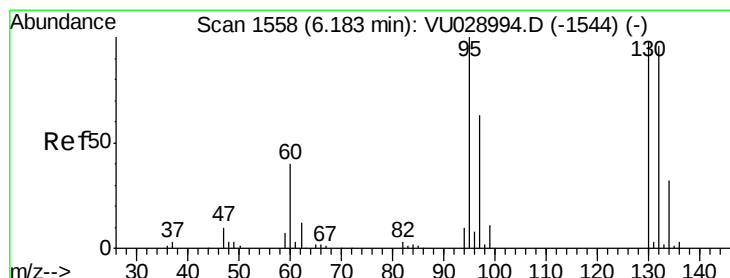
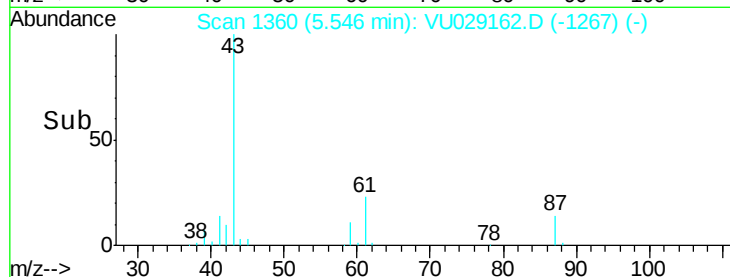
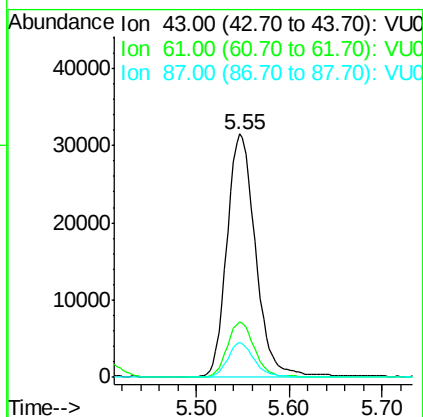
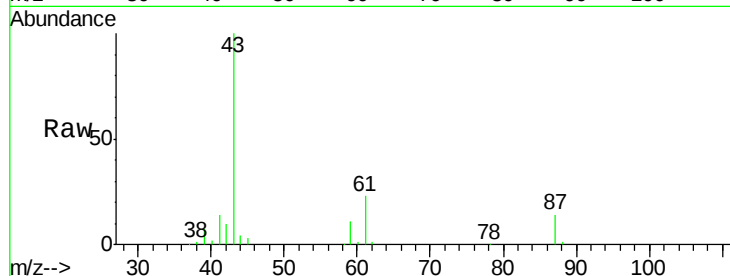
#43
Isopropyl Acetate
Concen: 22.057 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	13.2	11.3	16.9

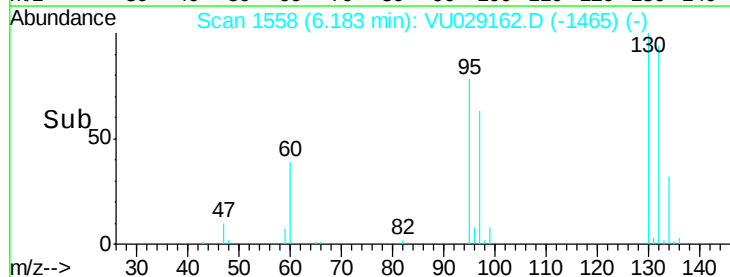
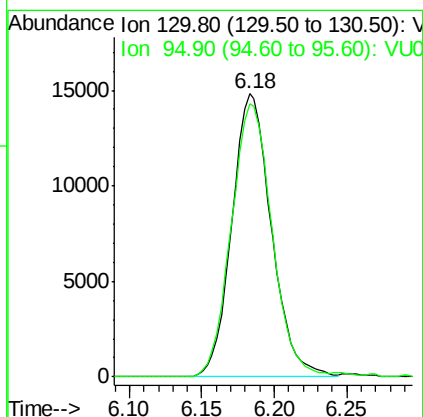
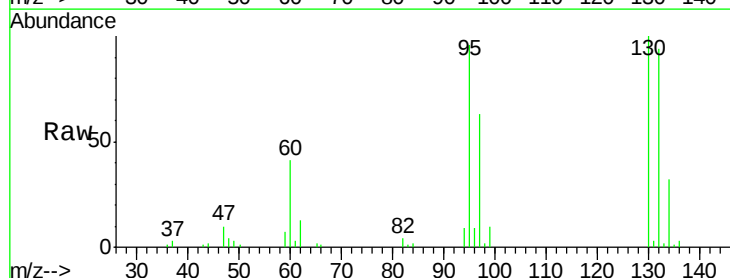
Manual Integrations
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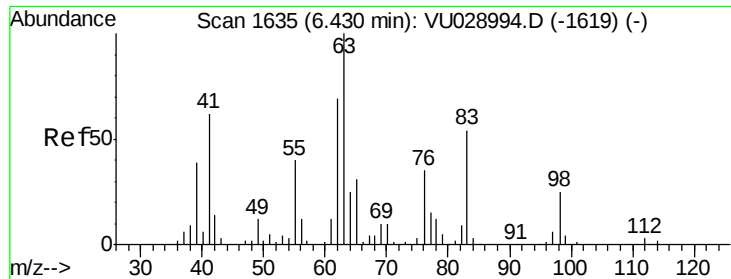
MMDadoda
1/15/2019 11:29:40 AM



#44
Trichloroethene
Concen: 19.874 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	205.0





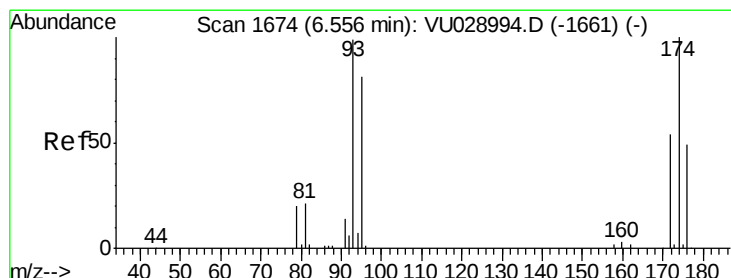
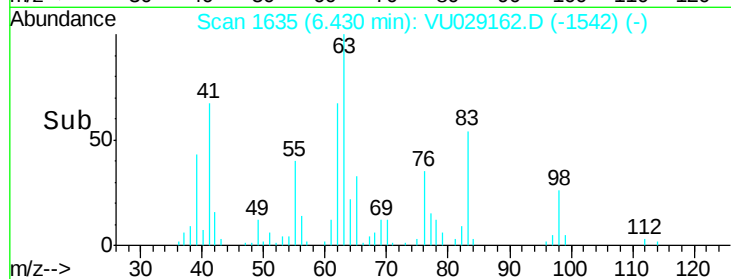
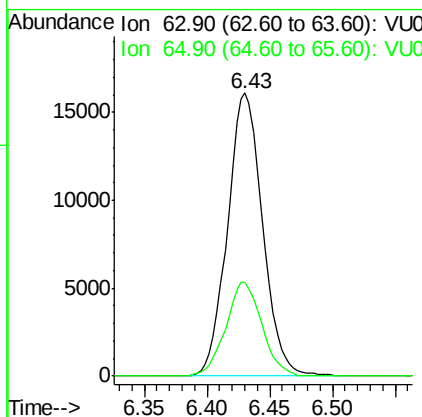
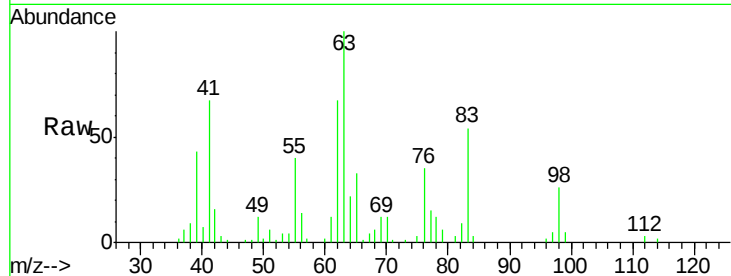
#45
 1,2-Dichloropropane
 Concen: 20.792 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion: 63 Resp: 31292
 Ion Ratio Lower Upper
 63 100
 65 33.1 25.1 37.7

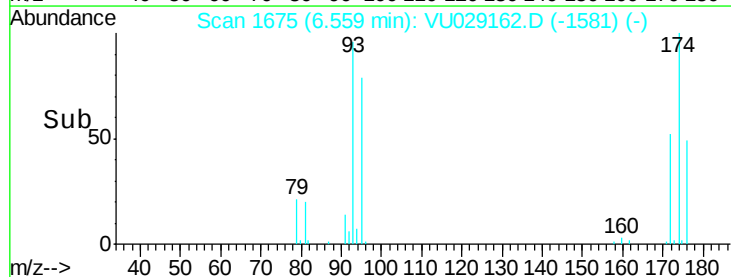
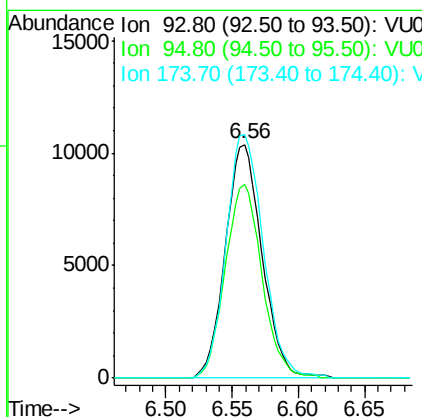
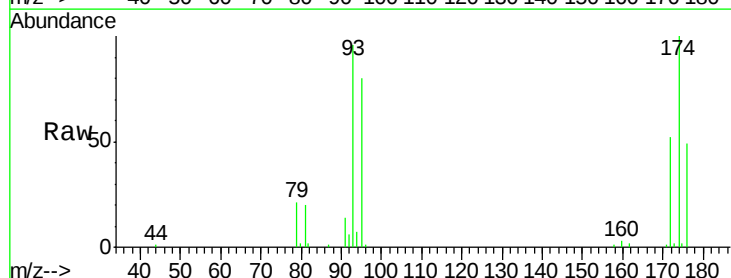
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#46
 Dibromomethane
 Concen: 20.812 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 93 Resp: 20023
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 105.6 82.6 123.8





#47

Bromodichloromethane

Concen: 21.326 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

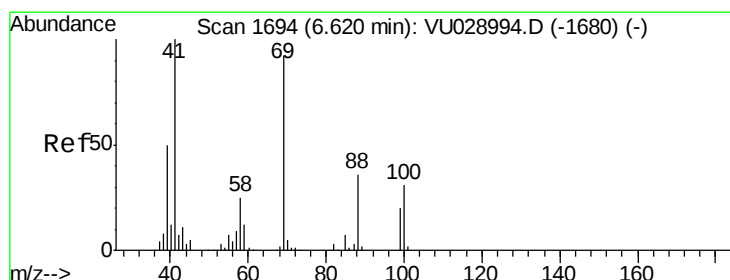
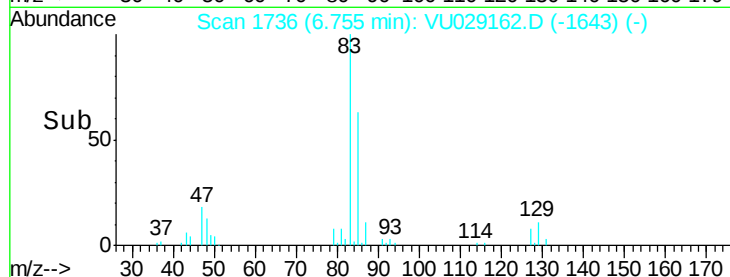
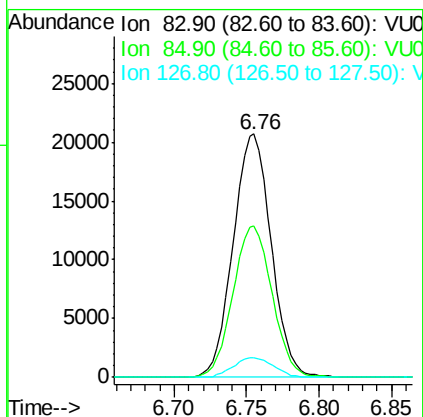
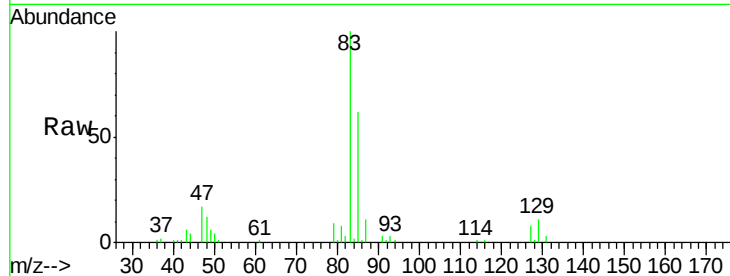
ClientSampleId :

VU0114WBSD01

Tot Ion:	83	Resp:	37777
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2
127	7.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 21.682 ug/l

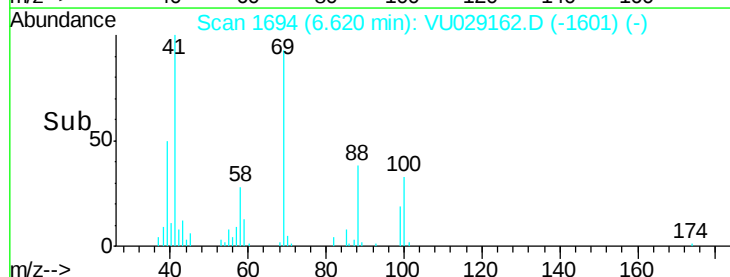
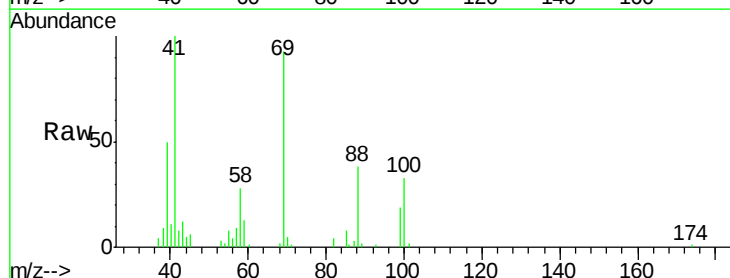
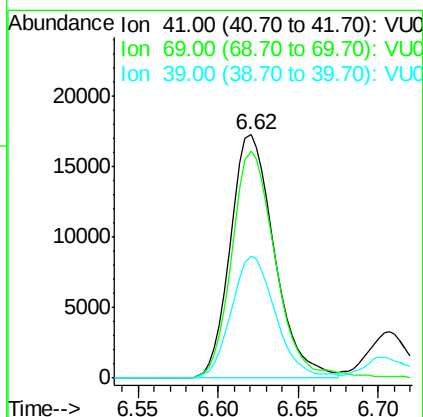
RT: 6.62 min Scan# 1694

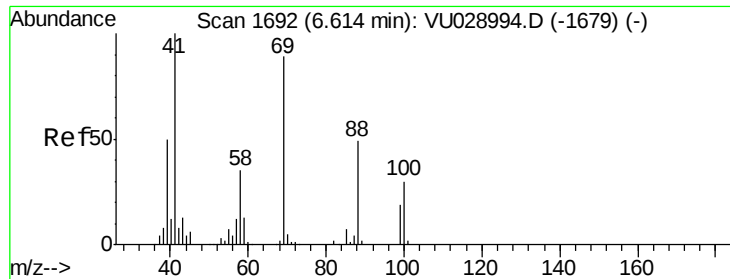
Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	41	Resp:	32479
Ion	Ratio	Lower	Upper
41	100		
69	92.3	73.6	110.4
39	50.4	39.6	59.4





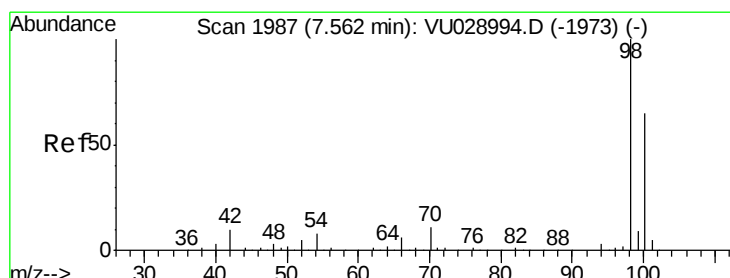
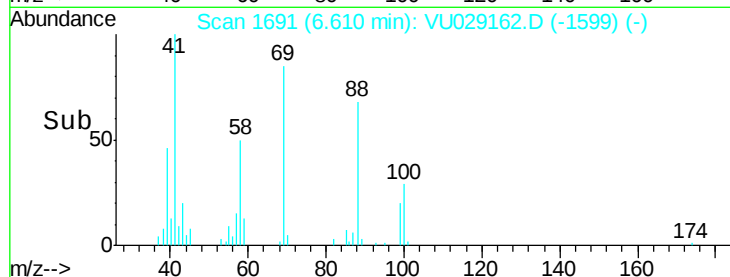
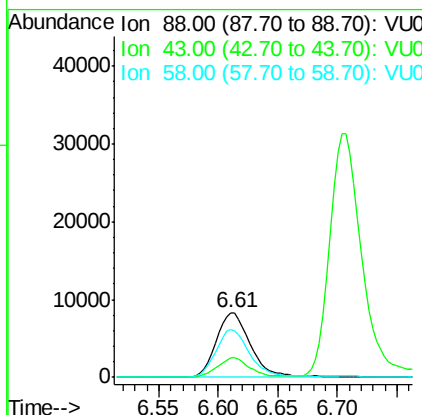
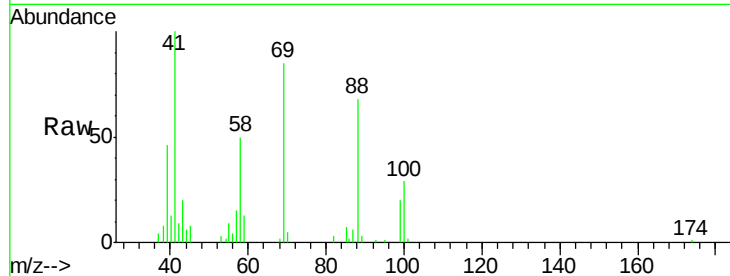
#49
1,4-Dioxane
Concen: 470.252 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	23.0	34.4
58	73.1	57.9	86.9

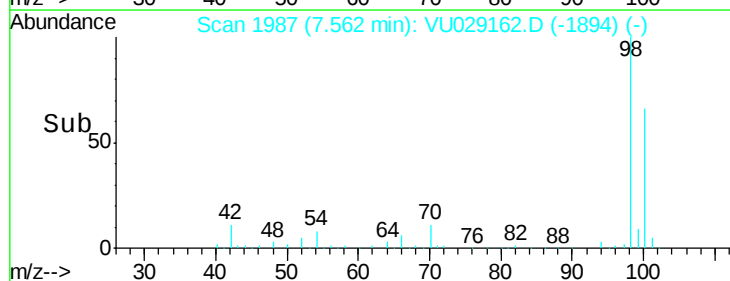
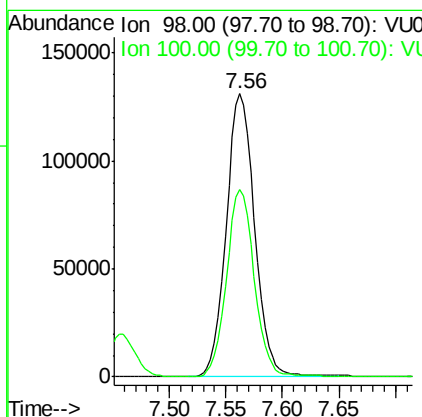
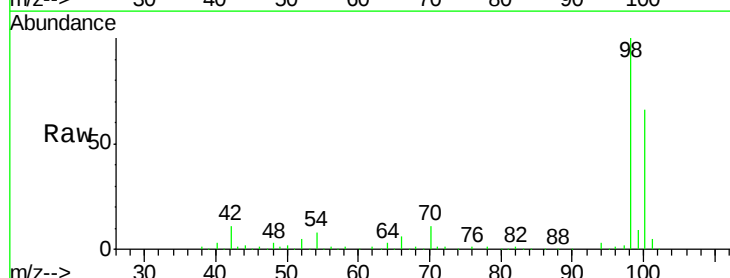
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#50
Toluene-d8
Concen: 49.185 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.234 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 43 Resp: 228703

Ion Ratio Lower Upper

43 100

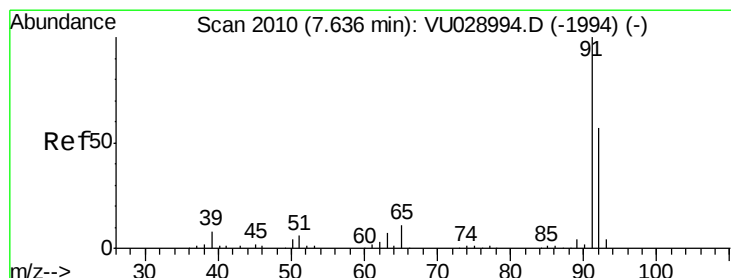
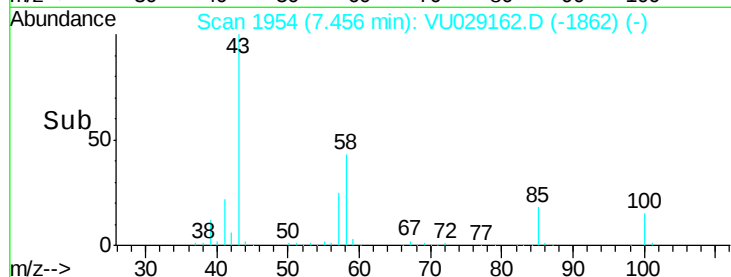
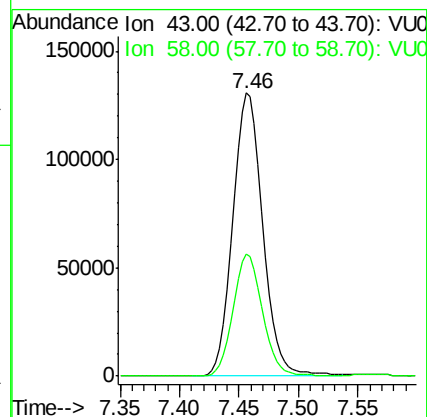
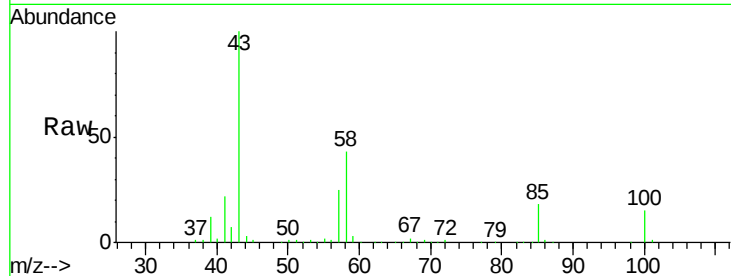
58 42.2 33.9 50.9

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#52

Toluene

Concen: 20.090 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029162.D

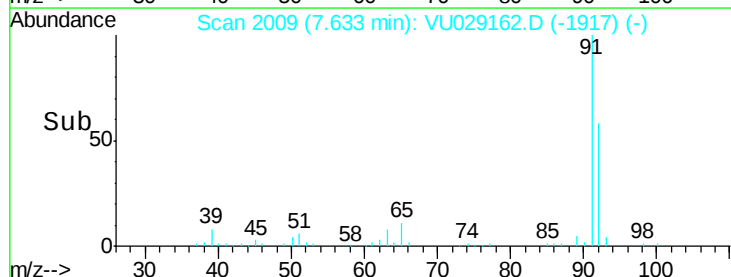
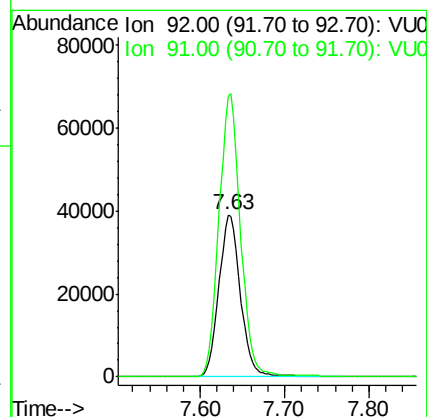
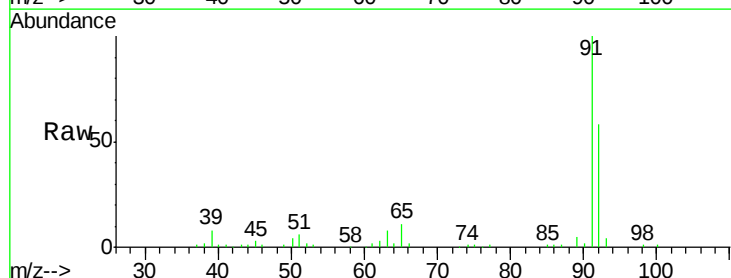
Acq: 14 Jan 2019 13:48

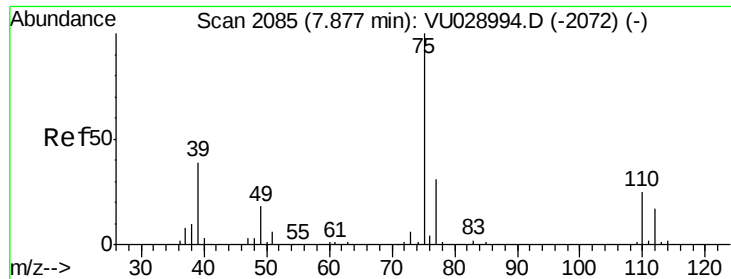
Tgt Ion: 92 Resp: 69700

Ion Ratio Lower Upper

92 100

91 173.1 139.8 209.8





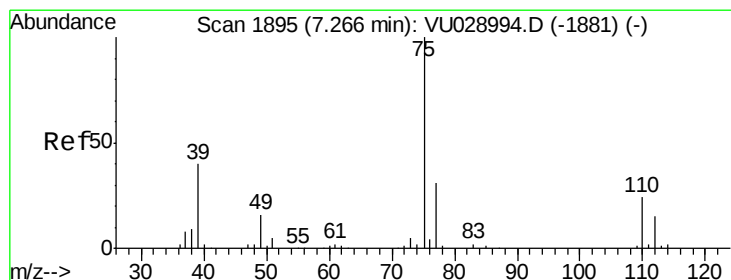
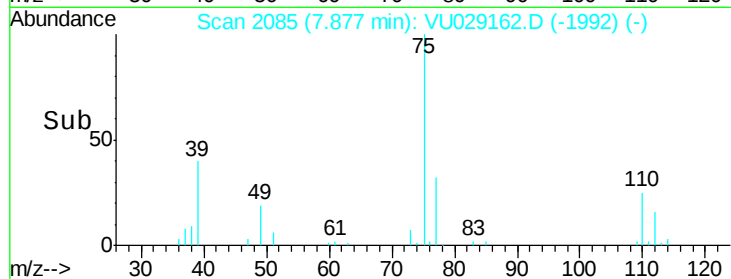
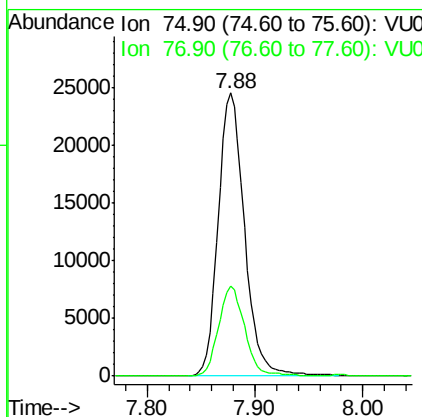
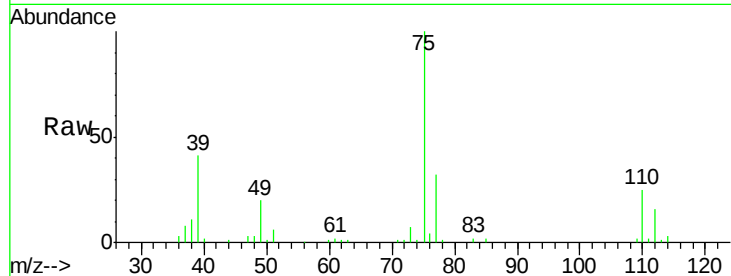
#53
t-1,3-Dichloropropene
Concen: 19.634 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion: 75 Resp: 41780
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4

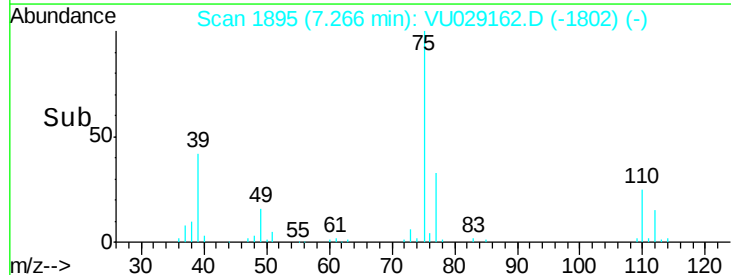
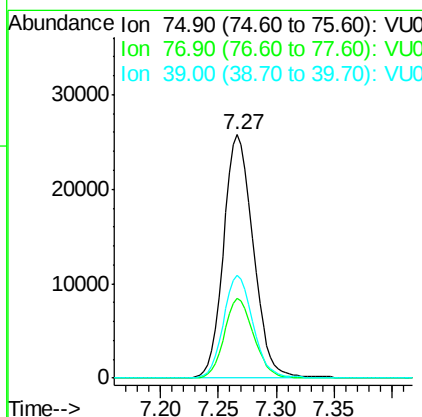
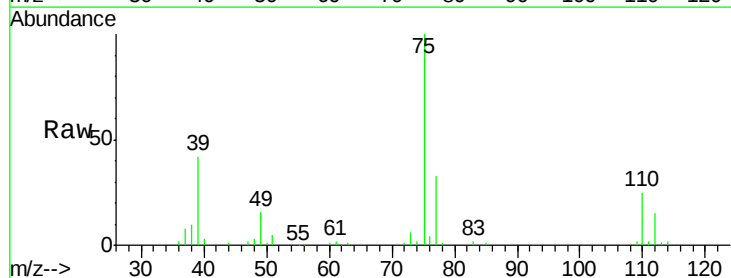
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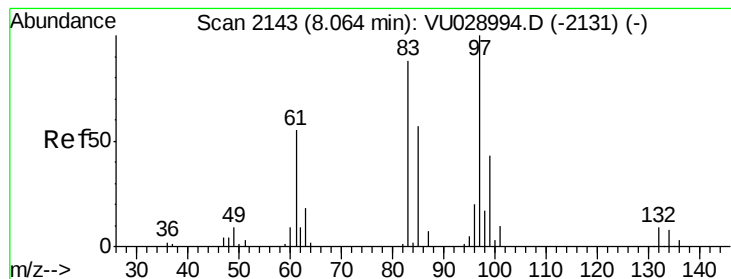
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#54
cis-1,3-Dichloropropene
Concen: 20.033 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 75 Resp: 46062
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6
39 42.3 32.2 48.4





#55

1,1,2-Trichloroethane

Concen: 21.342 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 97 Resp: 29664

Ion Ratio Lower Upper

97 100

83 89.1 69.8 104.8

85 57.4 47.3 70.9

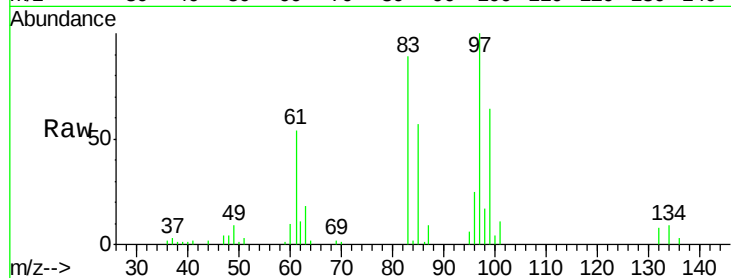
99 64.0 49.7 74.5

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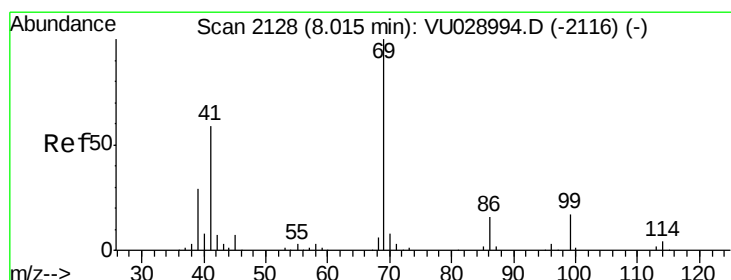
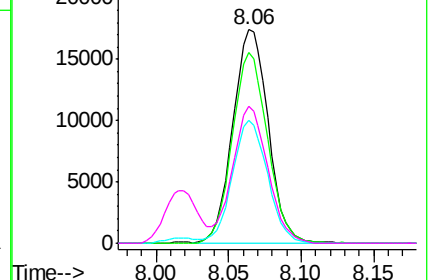
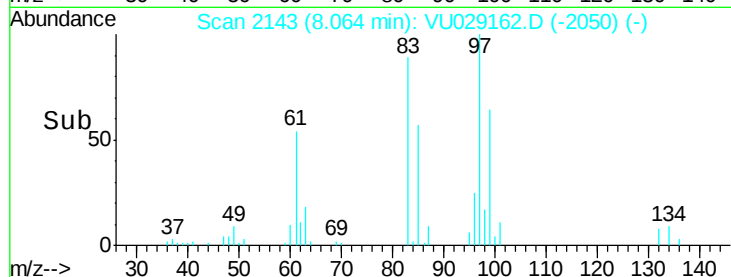


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 20.104 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

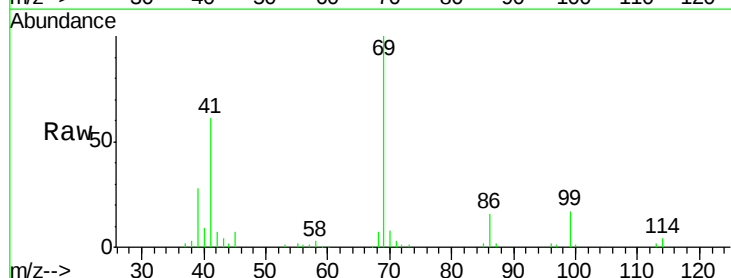
Tgt Ion: 69 Resp: 43049

Ion Ratio Lower Upper

69 100

41 60.6 47.5 71.3

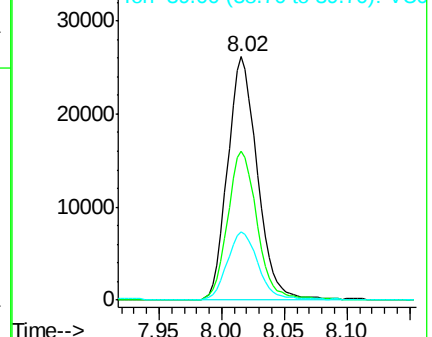
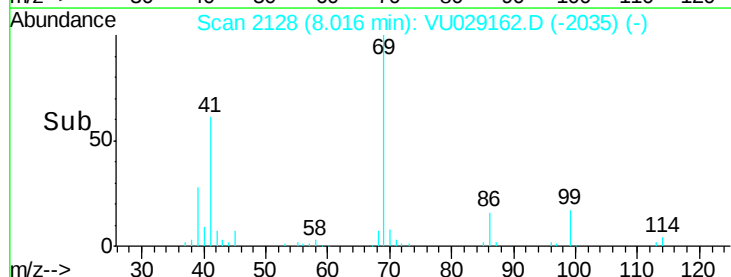
39 29.2 22.5 33.7

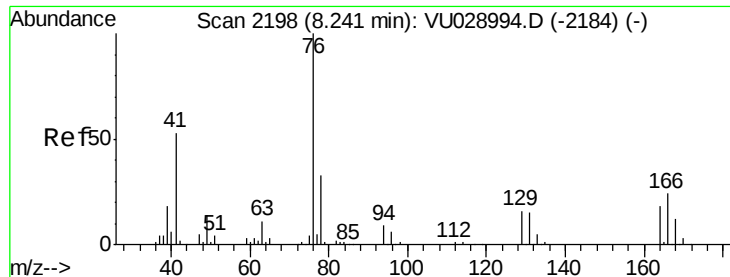


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.708 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 76 Resp: 49249

Ion Ratio Lower Upper

76 100

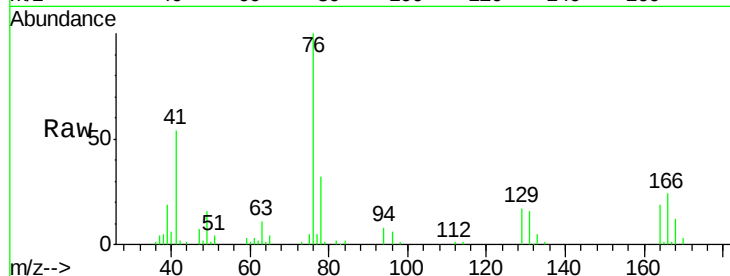
78 32.7 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

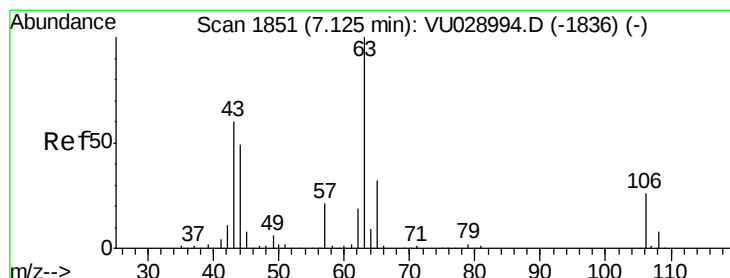
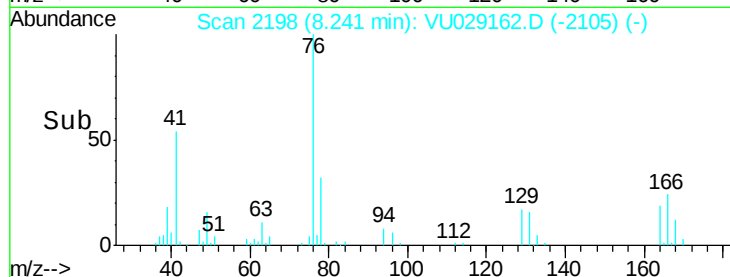
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 95.609 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029162.D

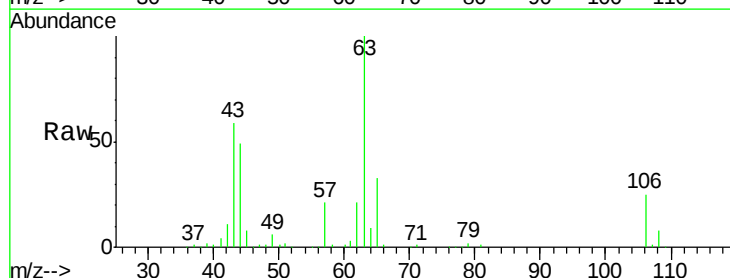
Acq: 14 Jan 2019 13:48

Tgt Ion: 63 Resp: 90036

Ion Ratio Lower Upper

63 100

106 25.1 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.12

60000

50000

40000

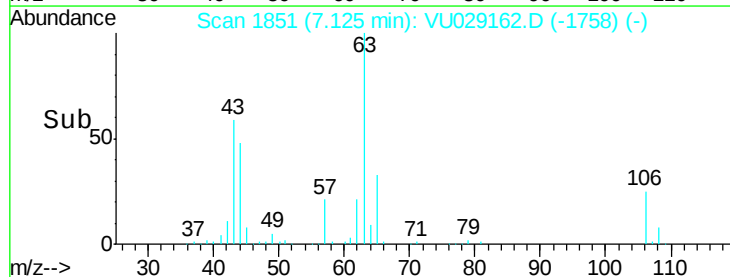
30000

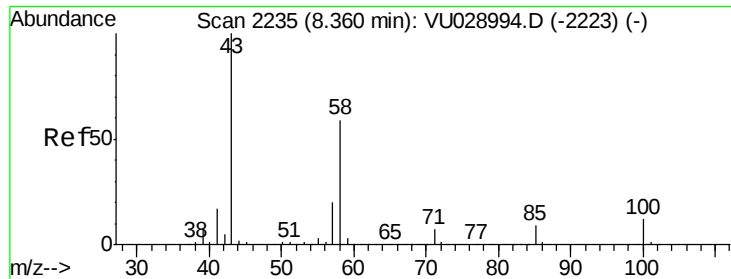
20000

10000

0

Time--> 7.05 7.10 7.15 7.20 7.25





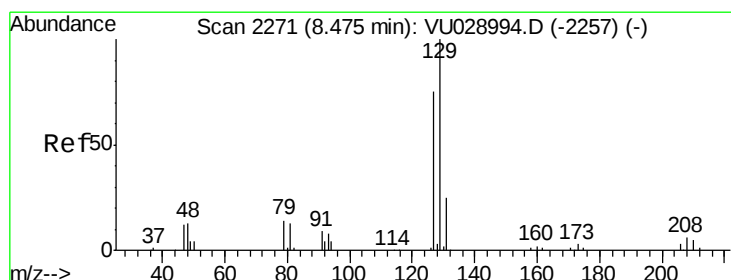
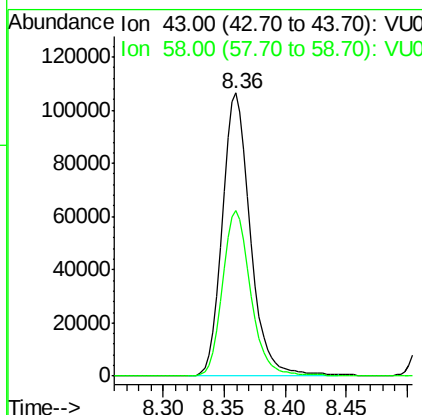
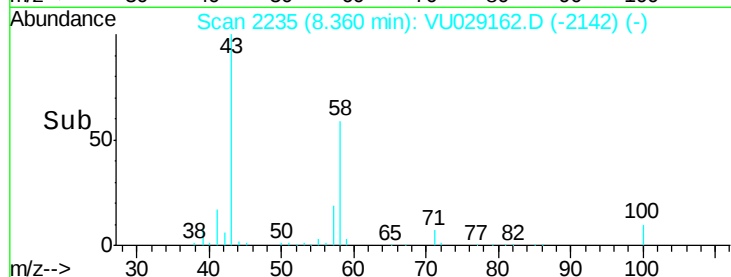
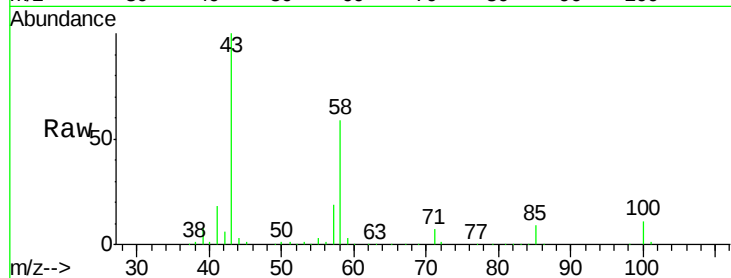
#59
2-Hexanone
Concen: 105.148 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion: 43 Resp: 172807
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4

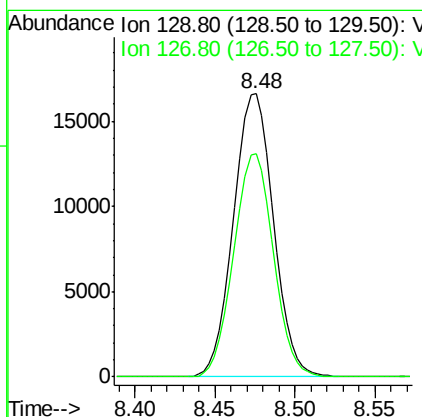
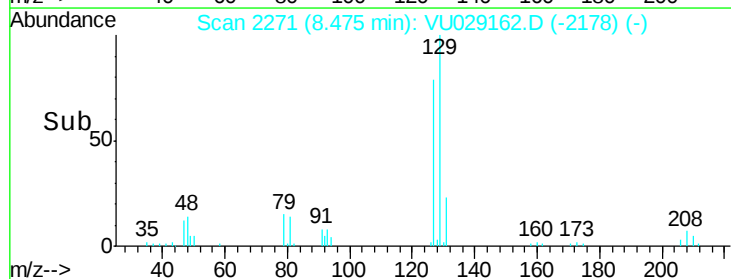
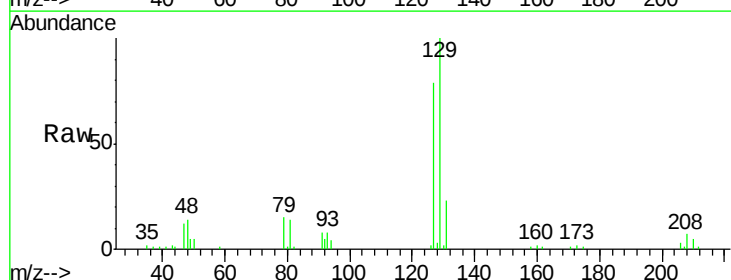
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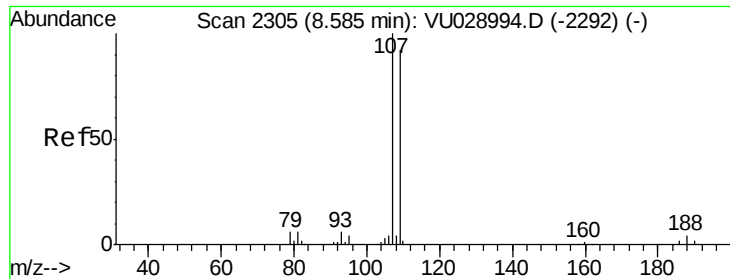
MMDadoda
1/15/2019 11:29:40 AM



#60
Dibromochloromethane
Concen: 20.638 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 129 Resp: 28419
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.815 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion:107 Resp: 31378

Ion Ratio Lower Upper

107 100

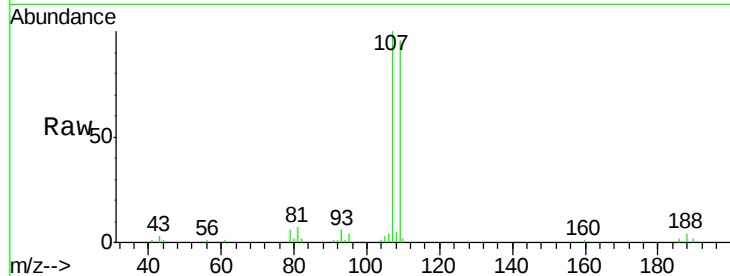
109 94.1 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

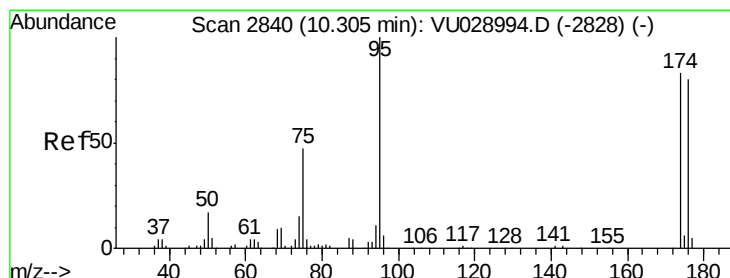
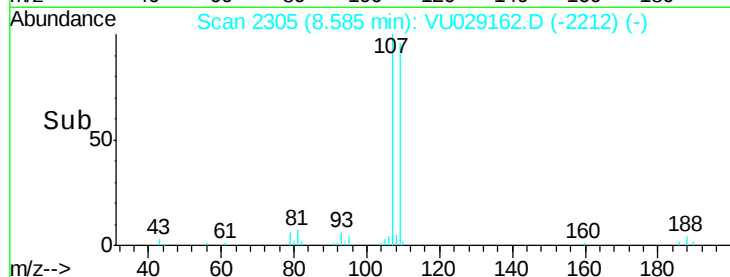
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 47.562 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

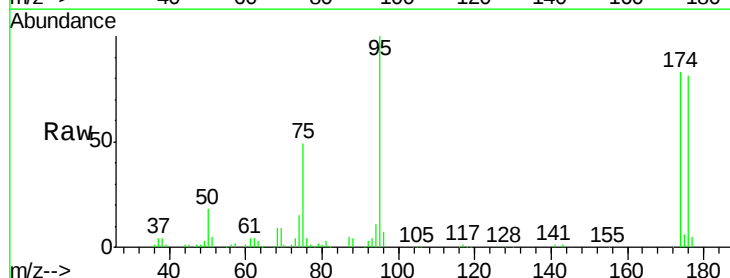
Tgt Ion: 95 Resp: 79957

Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.6

176 82.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

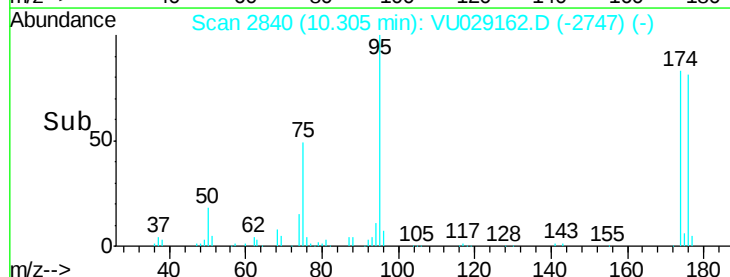
60000

40000

20000

0

Time--> 10.20 10.30 10.40





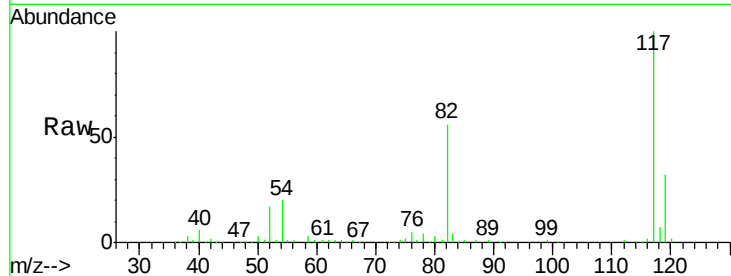
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

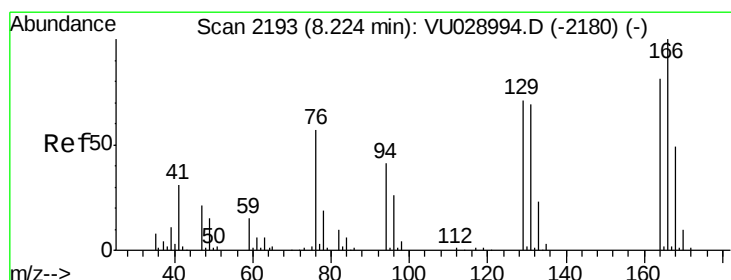
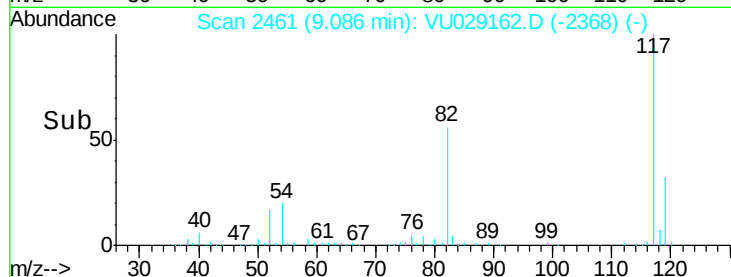
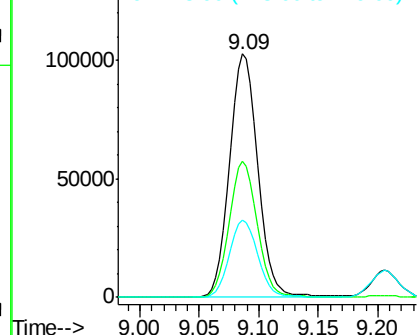
Tot Ion	Ratio	Resp	Lower	Upper
117	100	170302		
82	56.1	43.9	65.9	
119	31.7	26.0	39.0	

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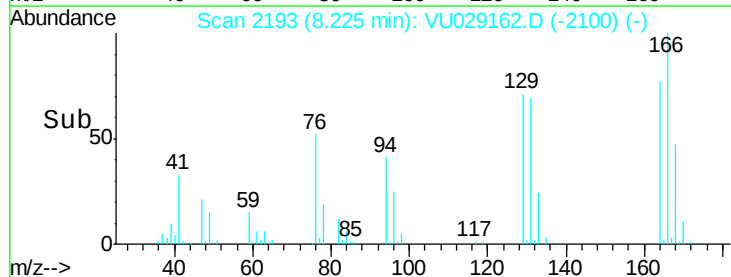
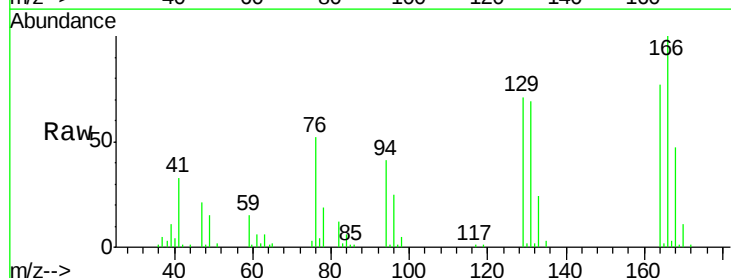
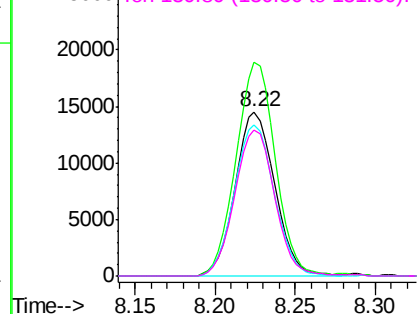
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

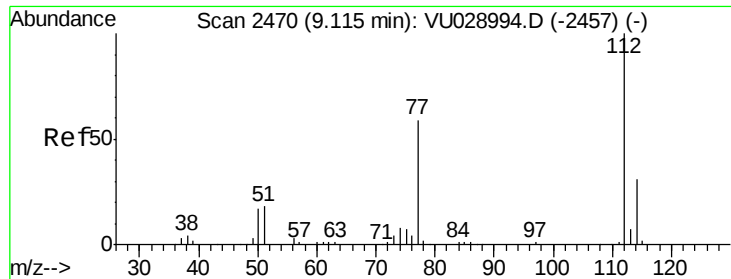


#64
Tetrachloroethene
Concen: 19.994 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24528		
166	129.9	99.4	149.0	
129	91.8	70.5	105.7	
131	89.1	69.0	103.6	

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: 19.660 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion:112 Resp: 75051

Ion Ratio Lower Upper

112 100

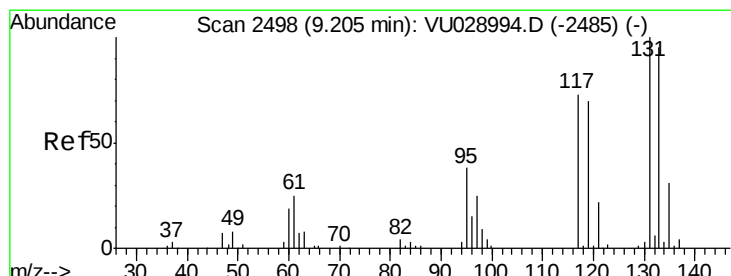
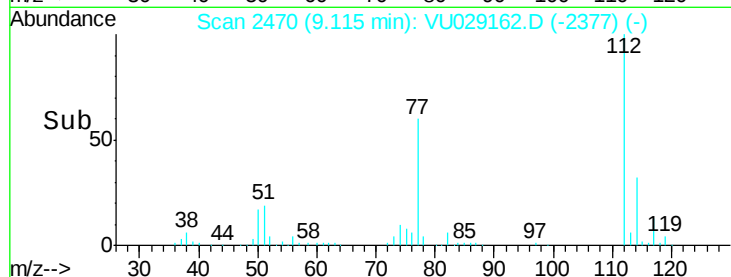
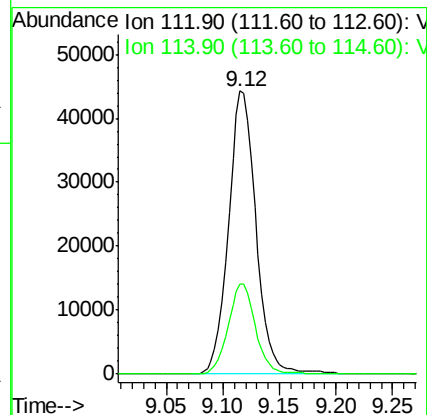
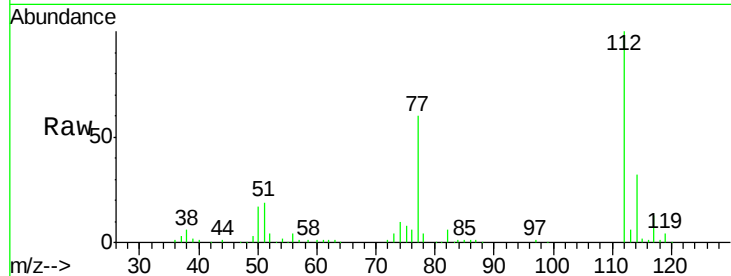
114 31.9 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.335 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

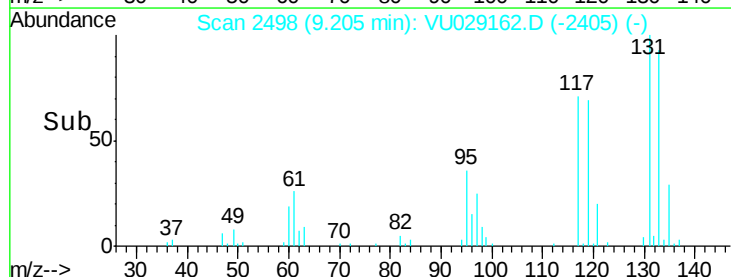
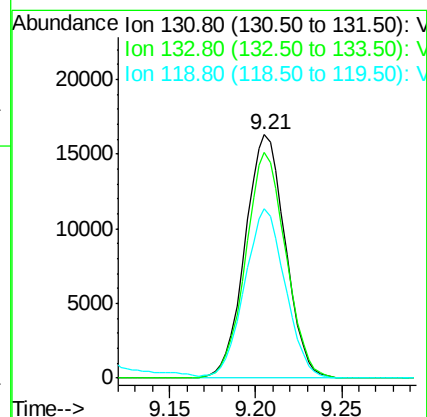
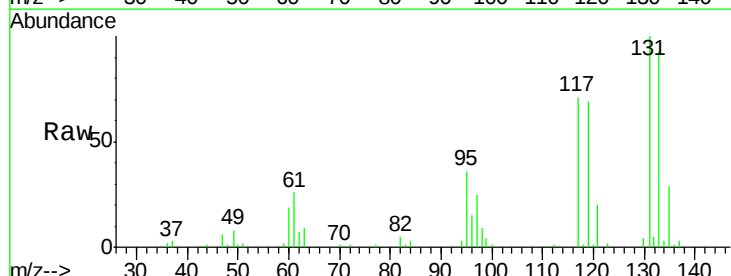
Tgt Ion:131 Resp: 26430

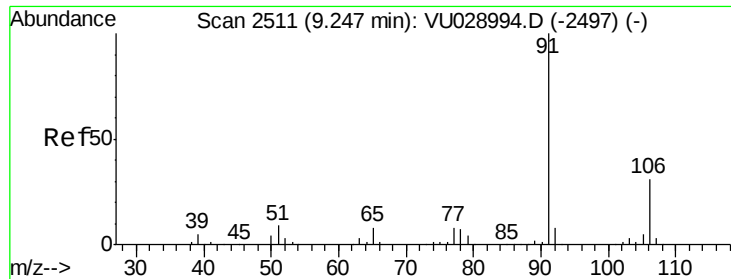
Ion Ratio Lower Upper

131 100

133 92.6 48.2 144.6

119 70.3 35.4 106.3





#67

Ethyl Benzene

Concen: 19.954 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tot Ion: 91 Resp: 127171

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4

Instrument :

MSVOA_U

ClientSampleId :

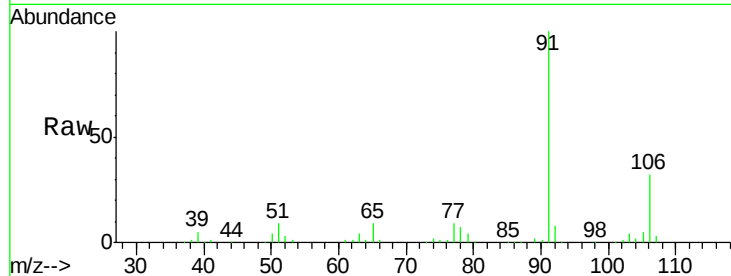
VU0114WBSD01

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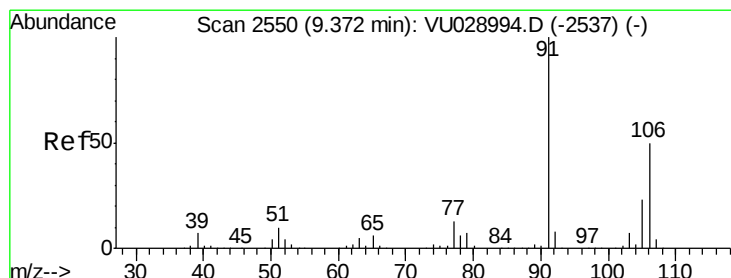
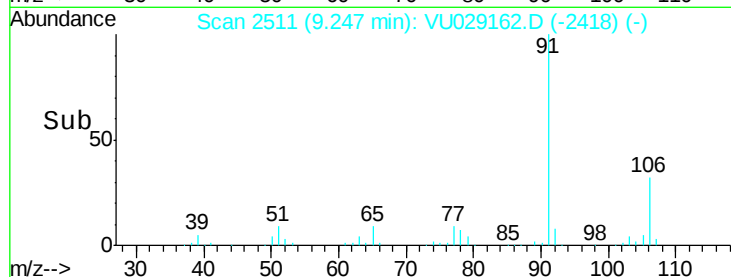
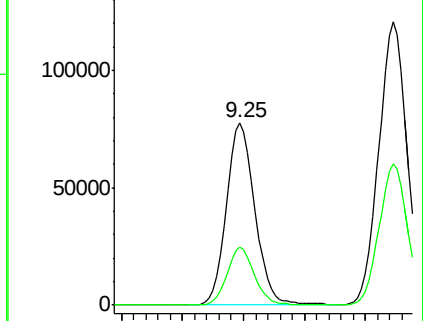
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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028994.D (-2497) (-)



#68

m/p-Xylenes

Concen: 39.867 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029162.D

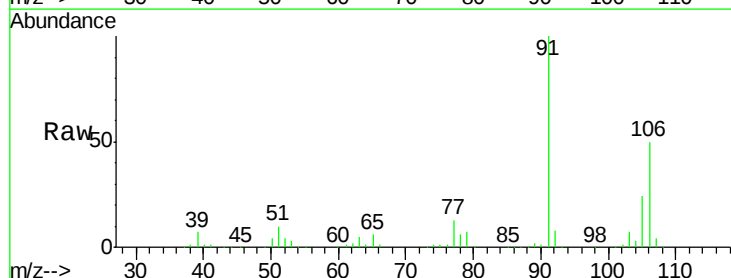
Acq: 14 Jan 2019 13:48

Tgt Ion: 106 Resp: 98725

Ion Ratio Lower Upper

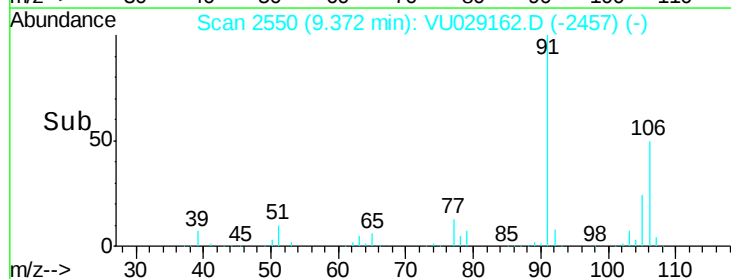
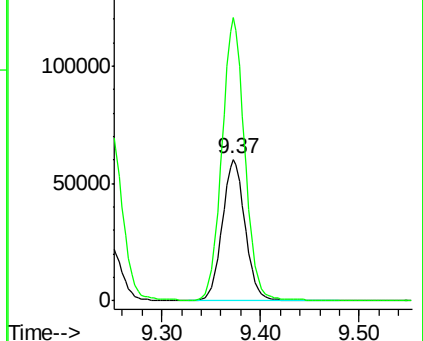
106 100

91 199.0 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU028994.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-2537) (-)





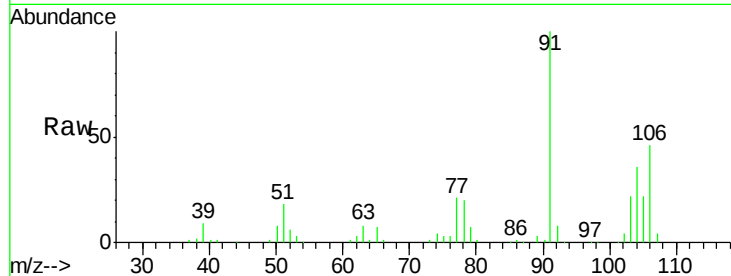
#69
o-Xylene
Concen: 20.162 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

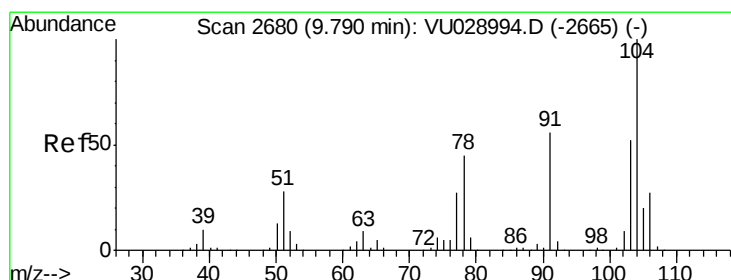
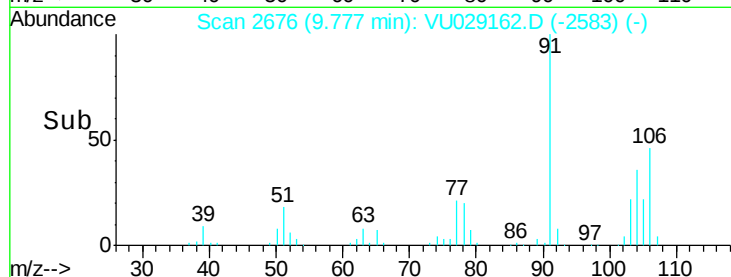
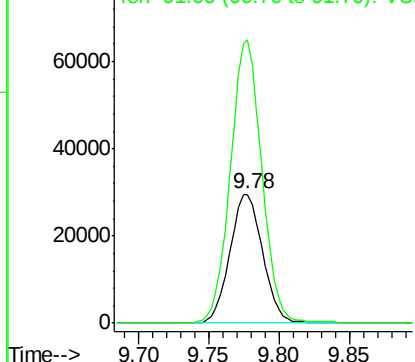
Tot Ion:106 Resp: 48108
Ion Ratio Lower Upper
106 100
91 210.2 106.1 318.3

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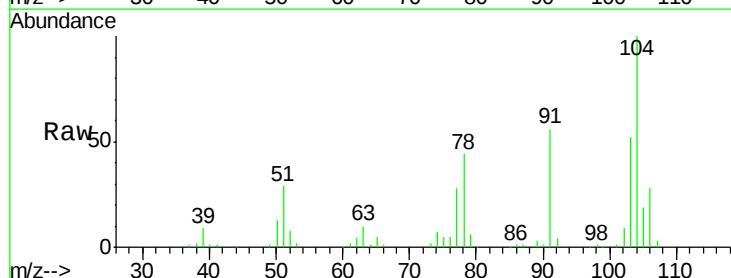


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

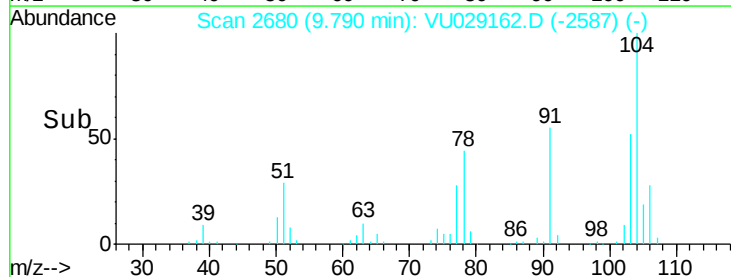
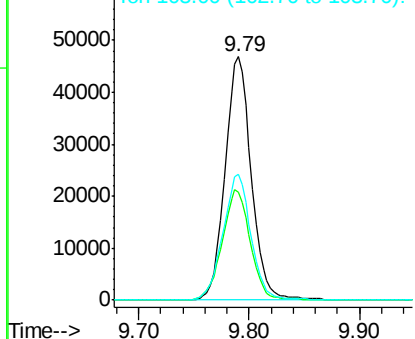


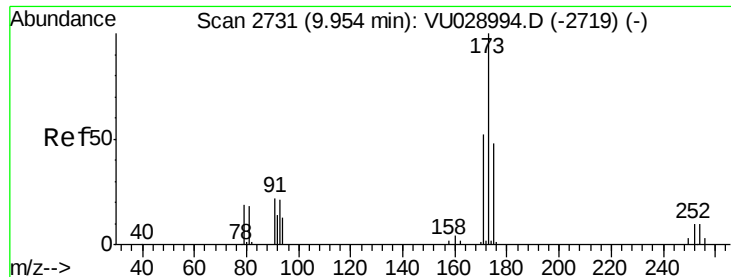
#70
Styrene
Concen: 19.781 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:104 Resp: 77374
Ion Ratio Lower Upper
104 100
78 48.7 38.6 58.0
103 55.1 44.5 66.7



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: 20.320 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

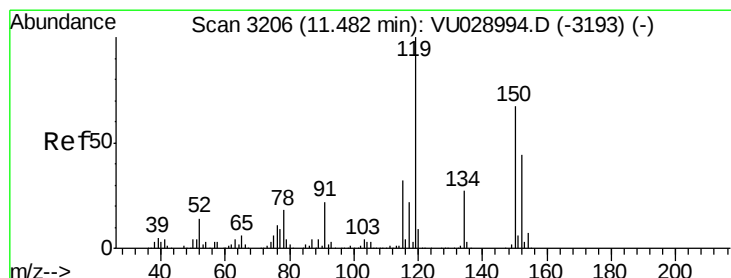
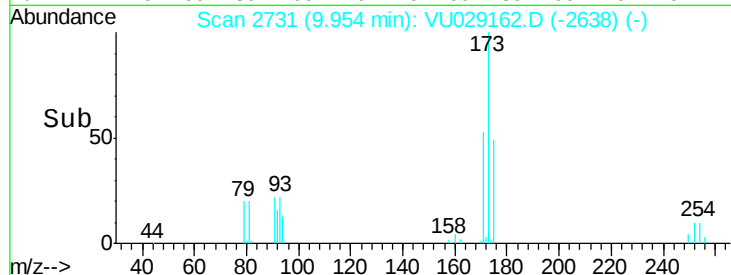
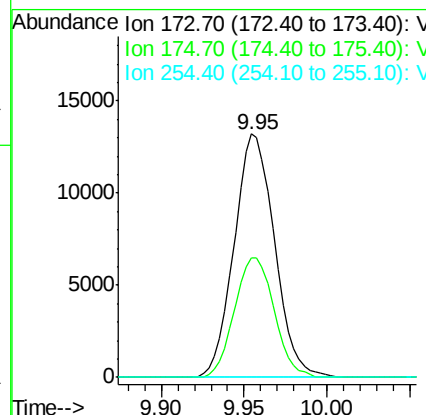
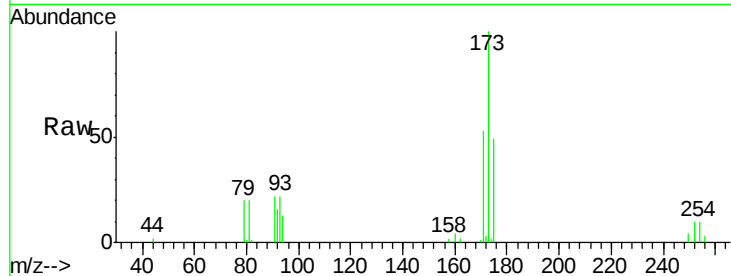
ClientSampled :

VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

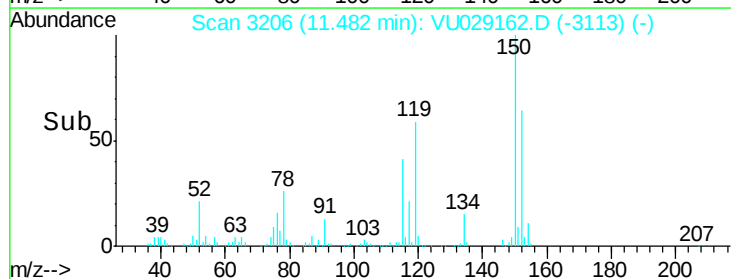
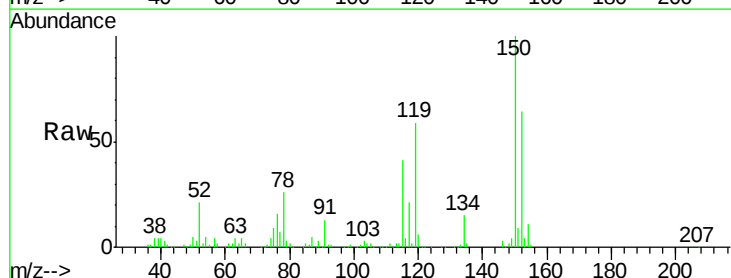
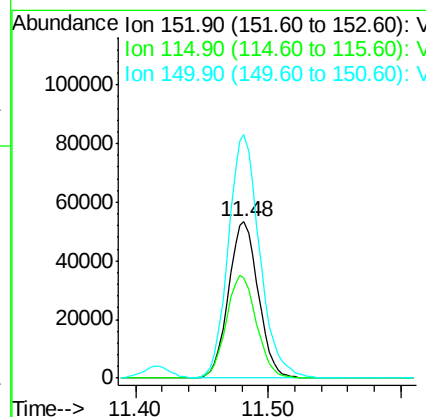
RT: 11.48 min Scan# 3206

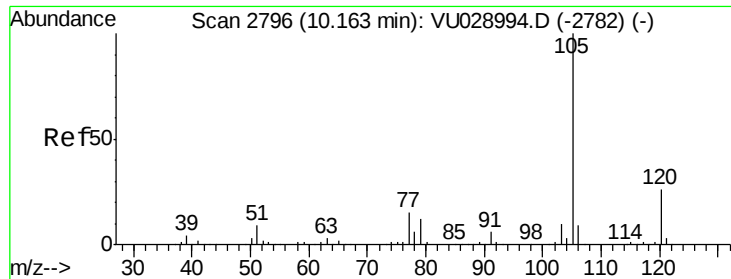
Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.9	40.1	120.3
150	163.6	0.0	345.2





#73

Isopropylbenzene

Concen: 19.870 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 105 Resp: 122498

Ion Ratio Lower Upper

105 100

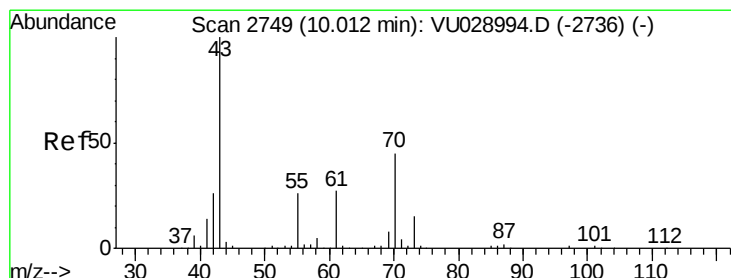
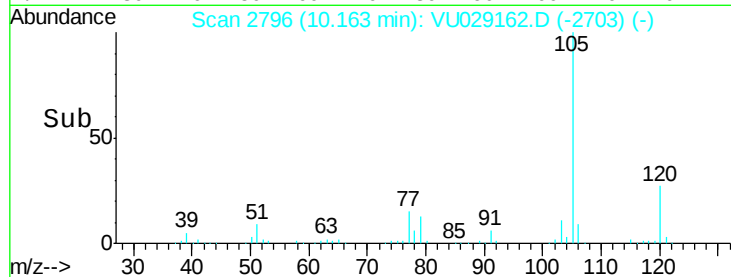
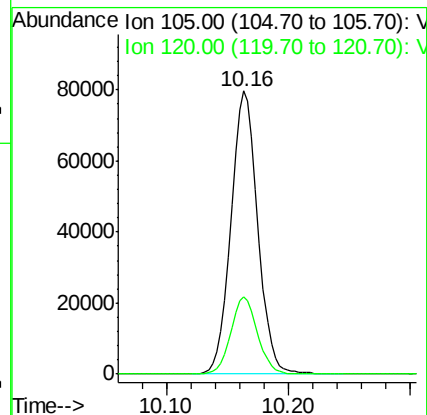
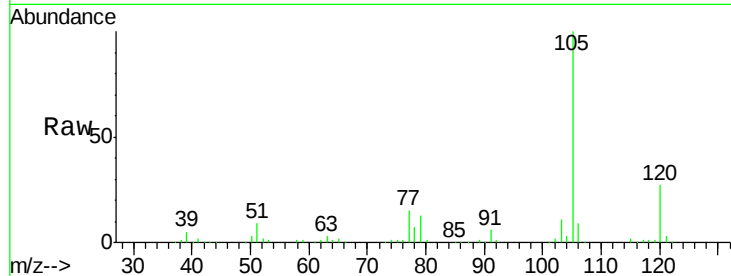
120 27.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.133 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion: 43 Resp: 53486

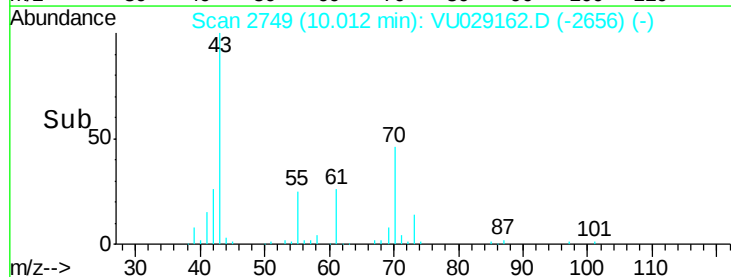
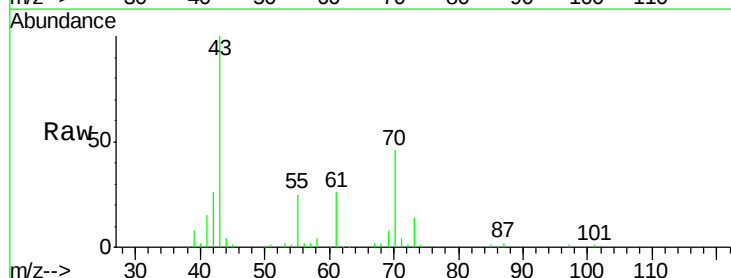
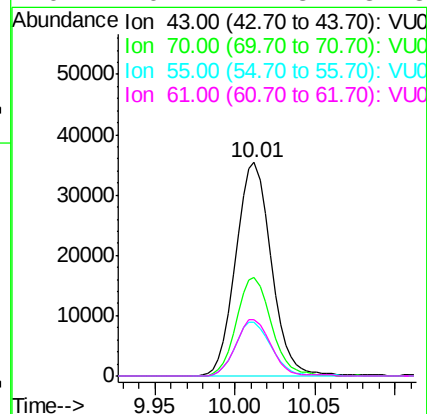
Ion Ratio Lower Upper

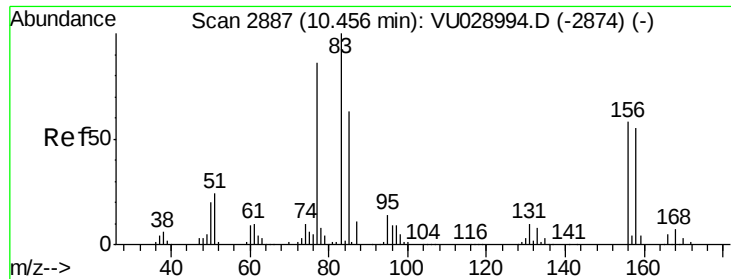
43 100

70 45.3 36.3 54.5

55 25.9 20.5 30.7

61 26.1 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.787 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

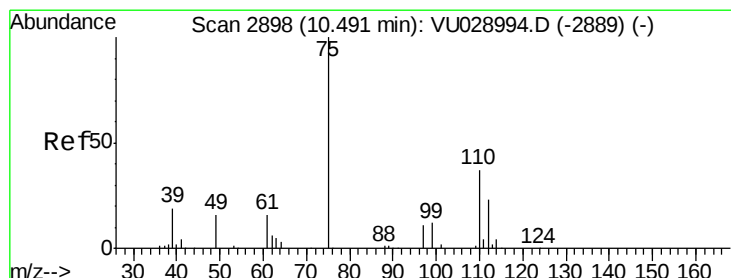
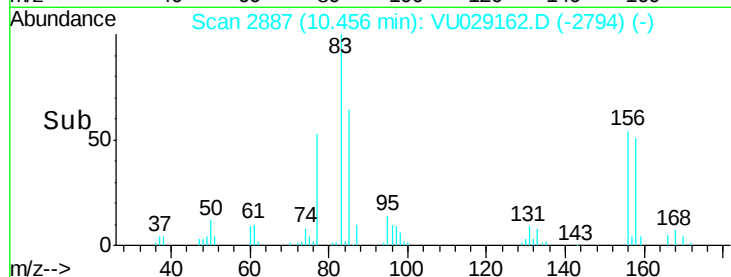
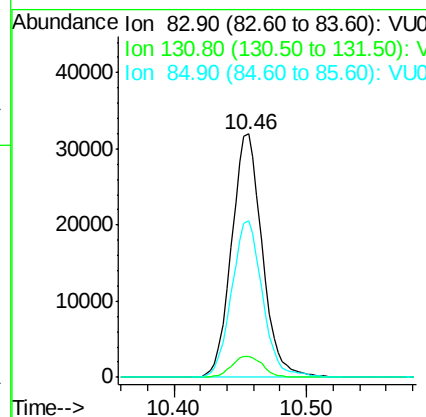
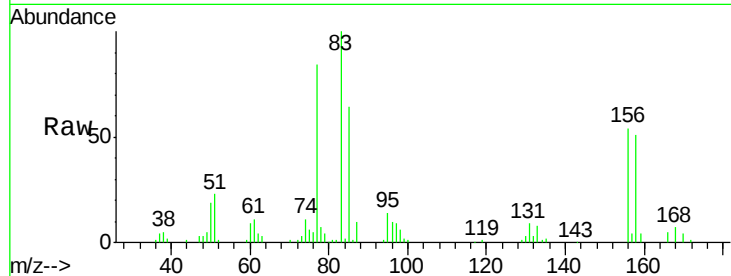
ClientSampleId :

VU0114WBSD01

Tot Ion:	83	Resp:	51361
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.1
85	64.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.343 ug/l m

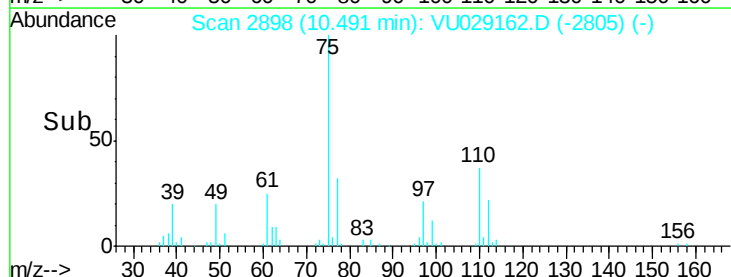
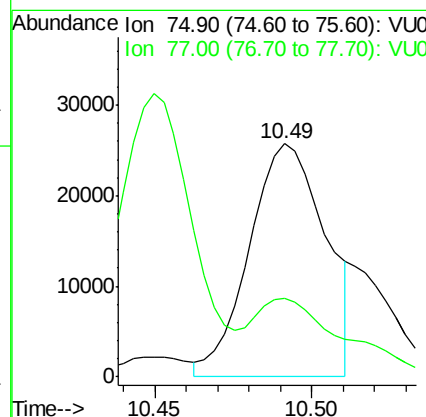
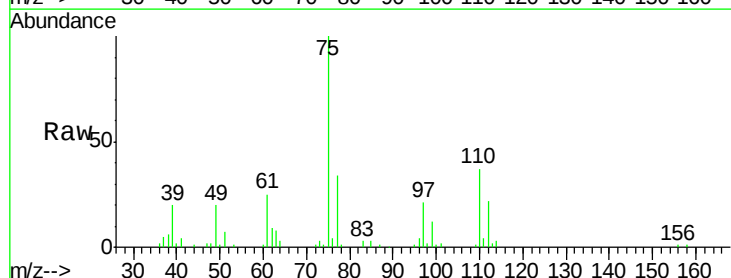
RT: 10.49 min Scan# 2898

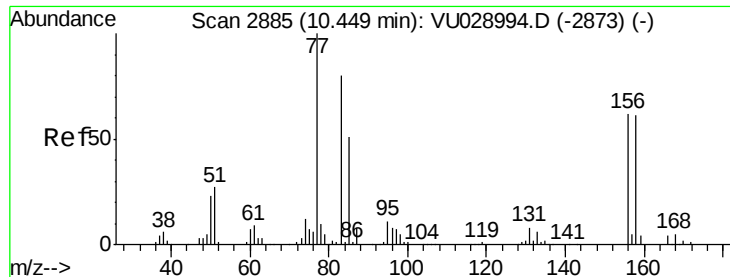
Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	75	Resp:	43556
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.9	62.8





#77

Bromobenzene

Concen: 19.813 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion:156 Resp: 31831

Ion Ratio Lower Upper

156 100

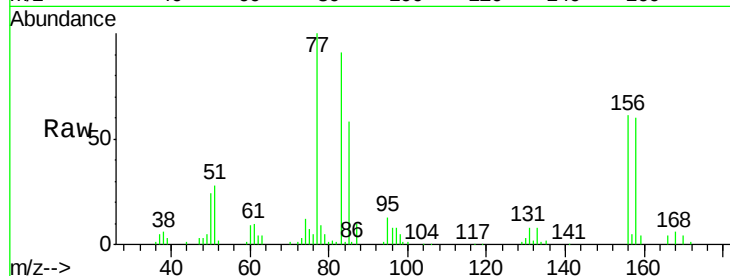
77 161.2 79.0 237.2

158 96.9 48.9 146.6

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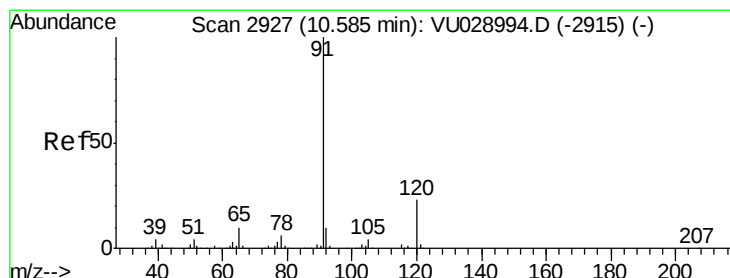
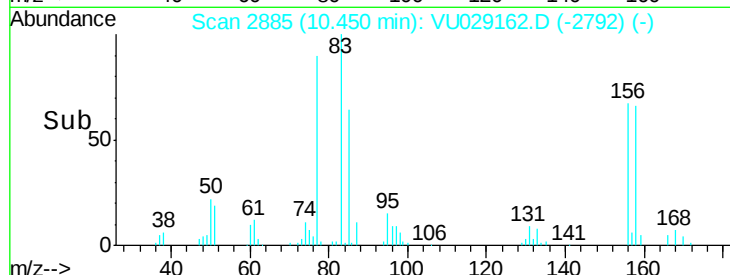
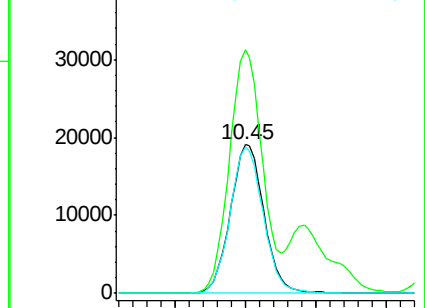
1/15/2019 11:29:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.312 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029162.D

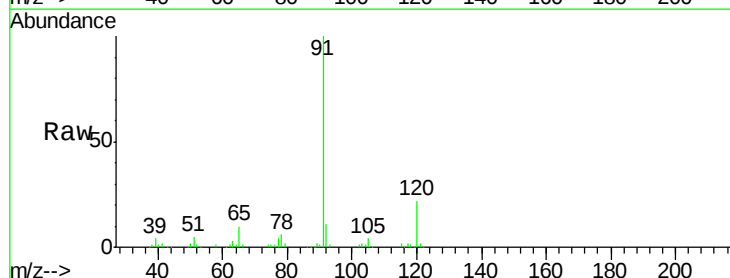
Acq: 14 Jan 2019 13:48

Tgt Ion: 91 Resp: 147577

Ion Ratio Lower Upper

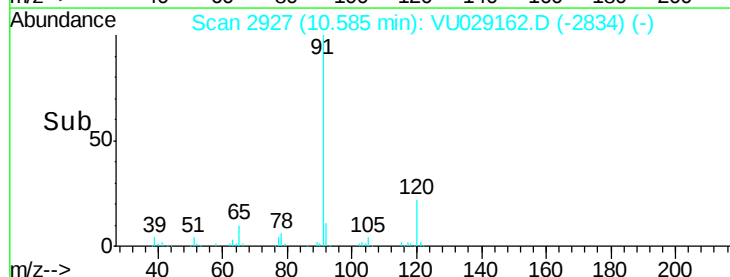
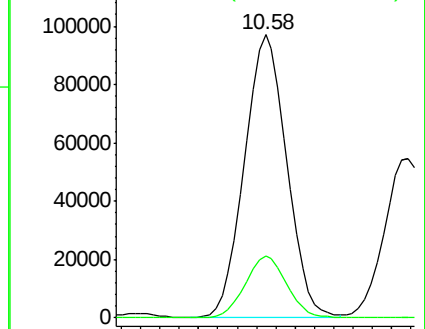
91 100

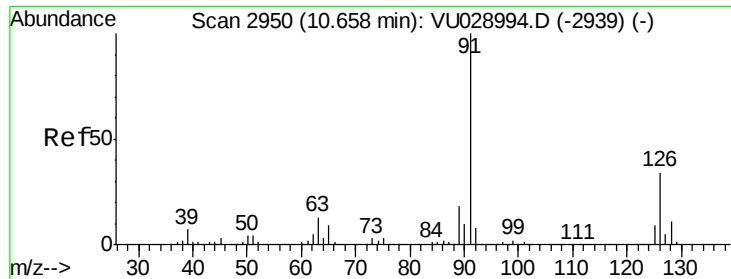
120 21.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.087 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion: 91 Resp: 88528

Ion Ratio Lower Upper

91 100

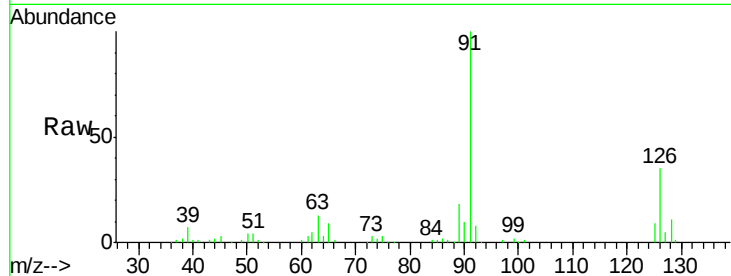
126 34.3 16.8 50.4

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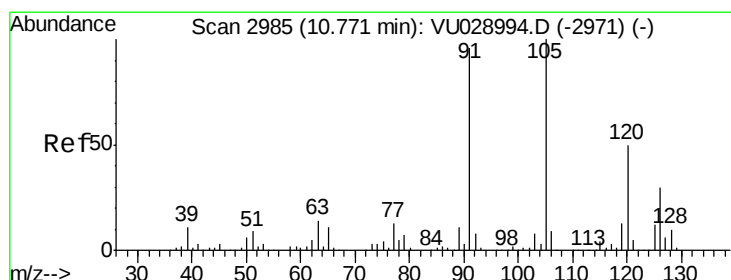
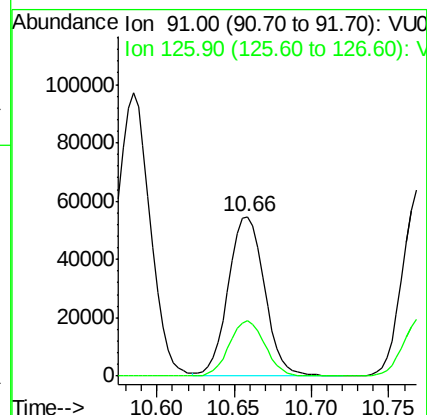
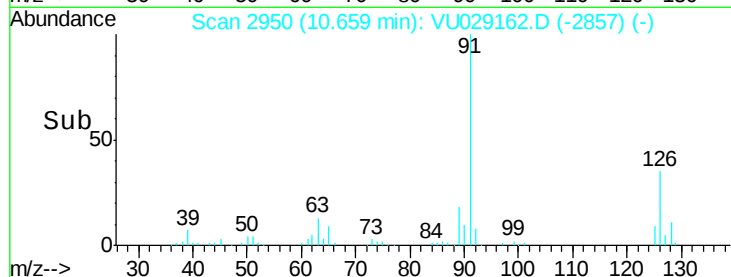
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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.047 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029162.D

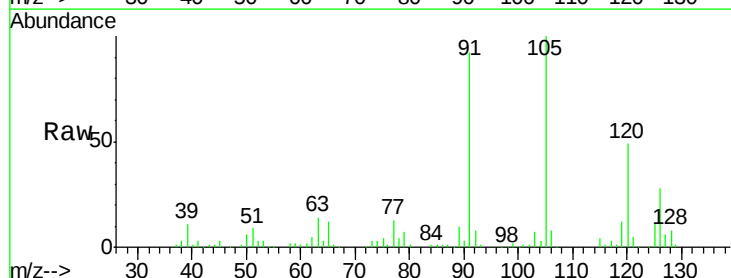
Acq: 14 Jan 2019 13:48

Tgt Ion: 105 Resp: 103209

Ion Ratio Lower Upper

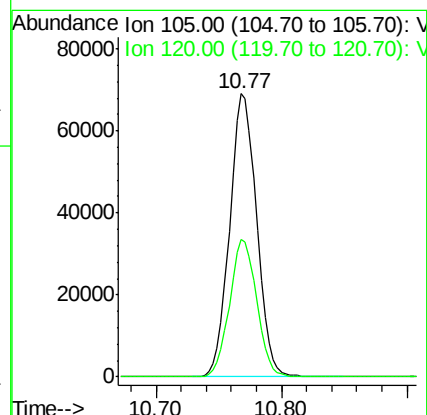
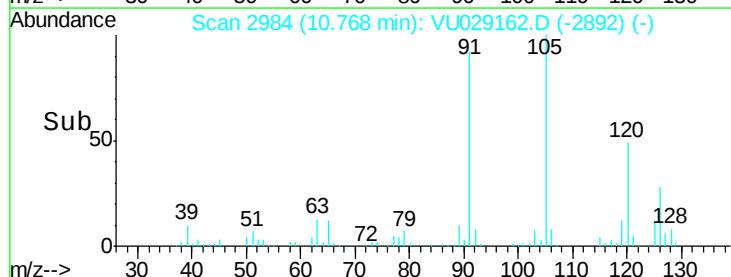
105 100

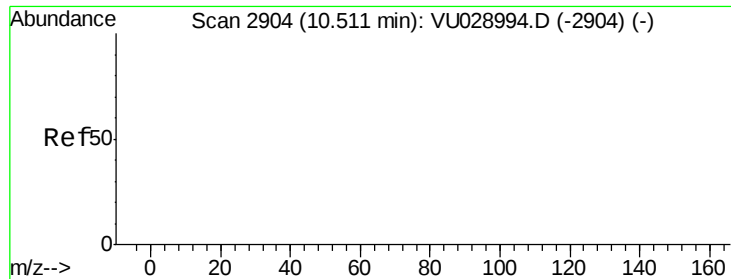
120 48.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)





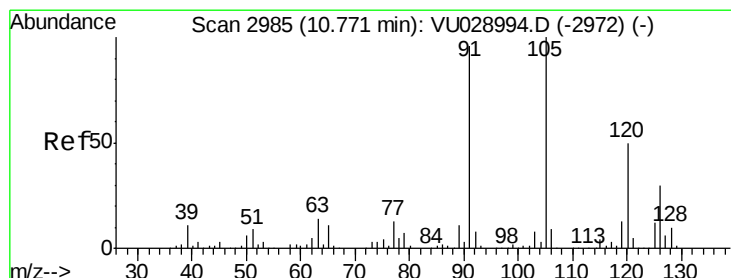
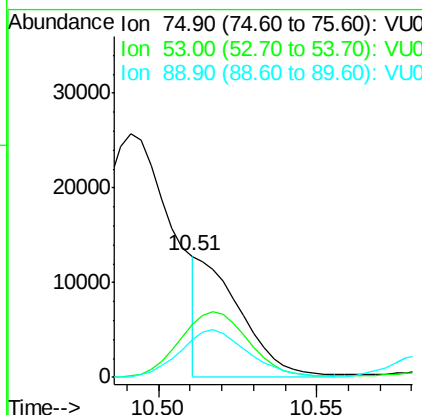
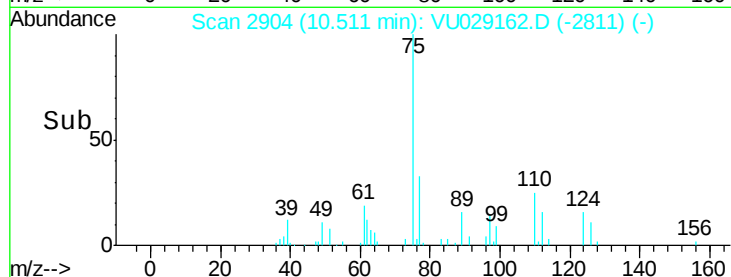
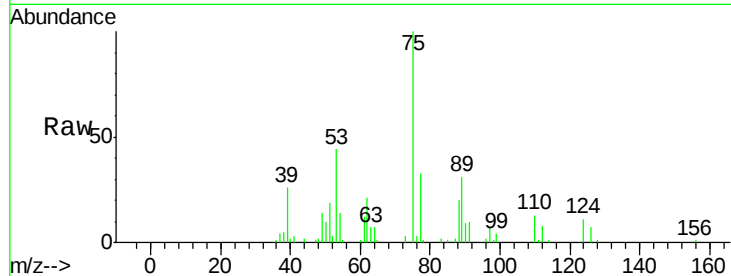
#81
trans-1,4-Dichloro-2-butene
Concen: 15.135 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

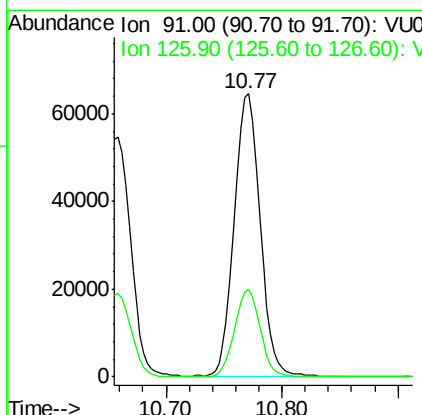
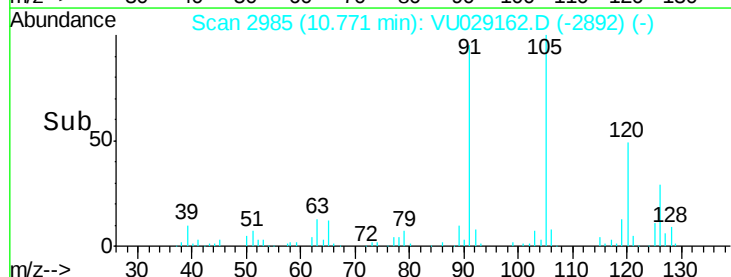
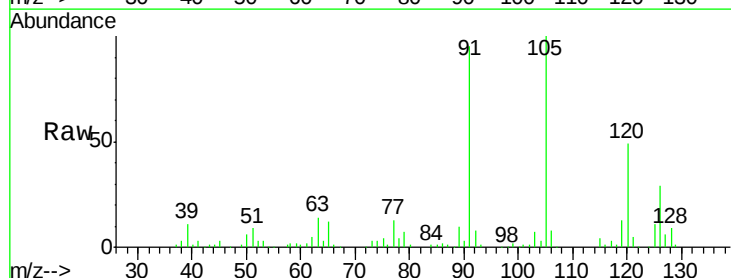
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#82
4-Chlorotoluene
Concen: 19.613 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.5	46.5





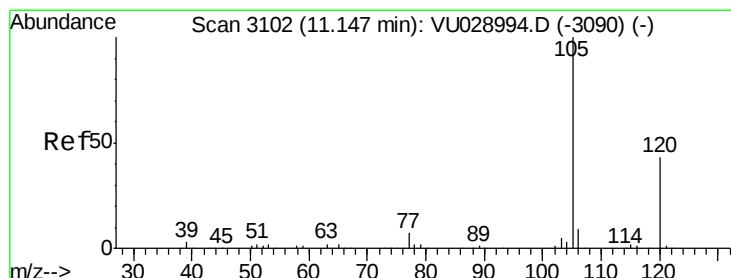
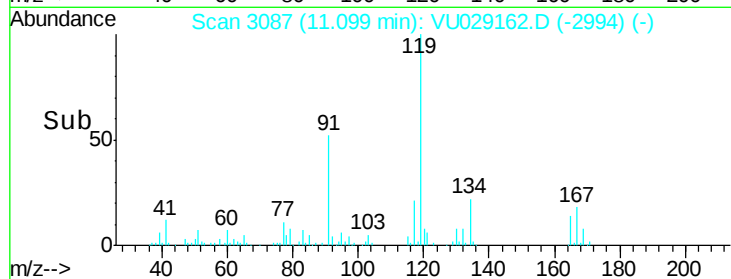
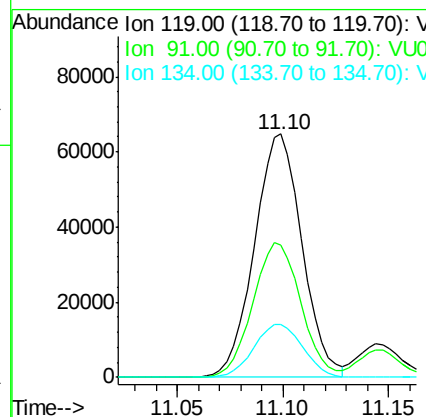
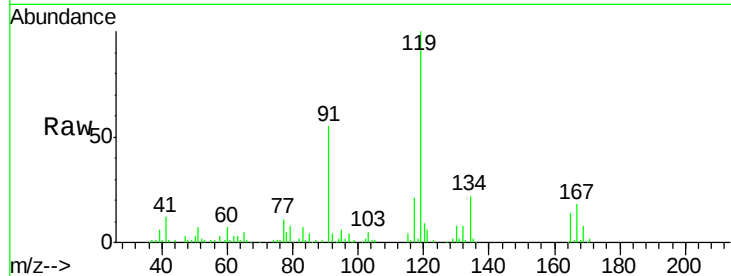
#83
 tert-Butylbenzene
 Concen: 20.028 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	55.6	28.2	84.6	
134	22.5	11.3	33.8	

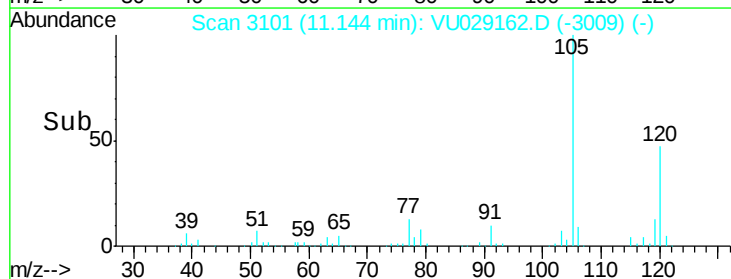
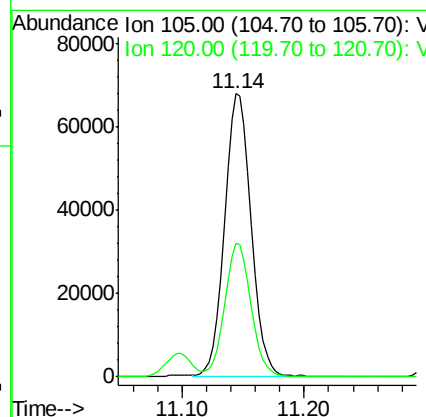
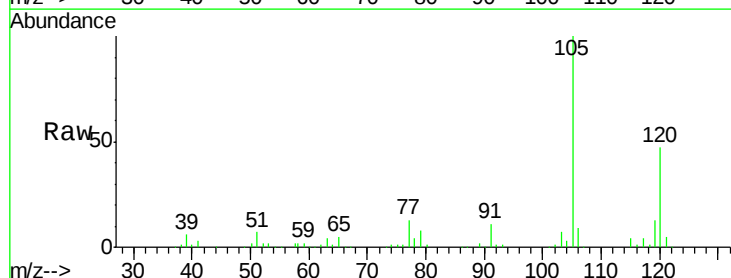
Manual Integrations
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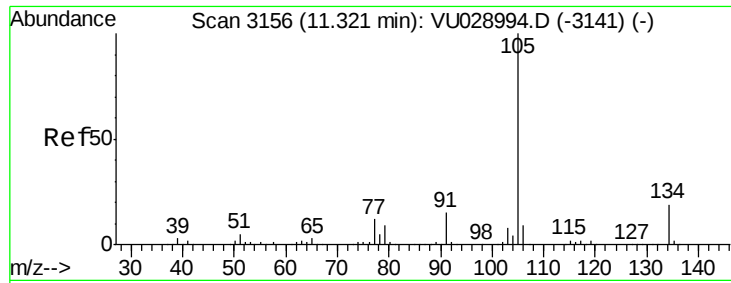
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.339 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	46.4	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBSD01

Tot Ion:105 Resp: 125313

Ion Ratio Lower Upper

105 100

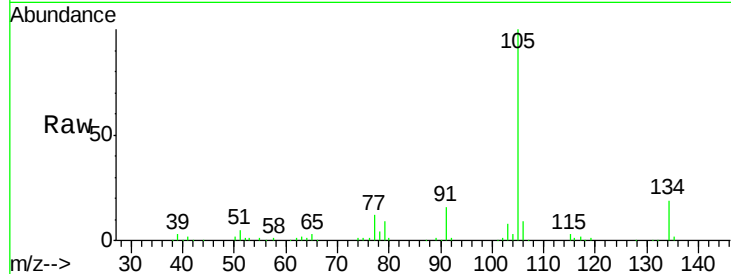
134 19.4 9.7 29.1

Manual Integrations

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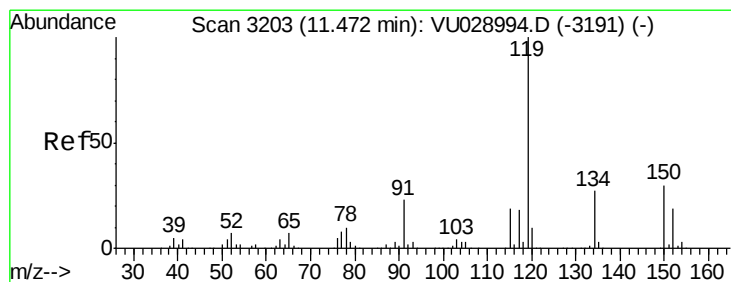
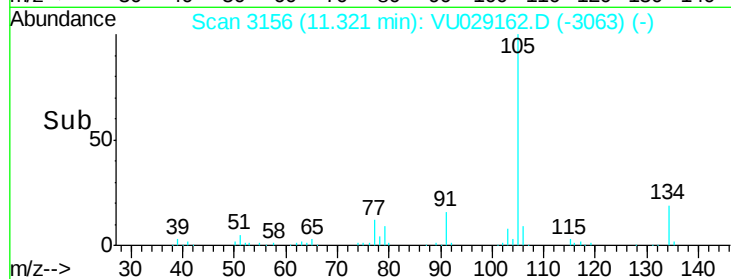
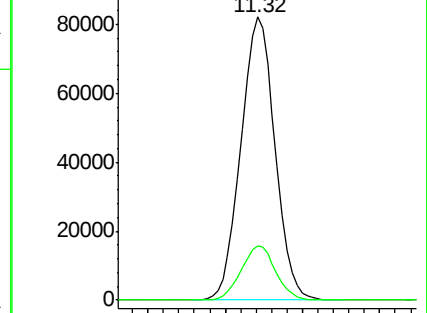
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.397 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

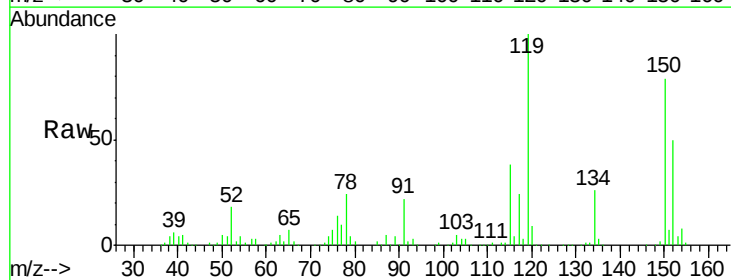
Tgt Ion:119 Resp: 106663

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

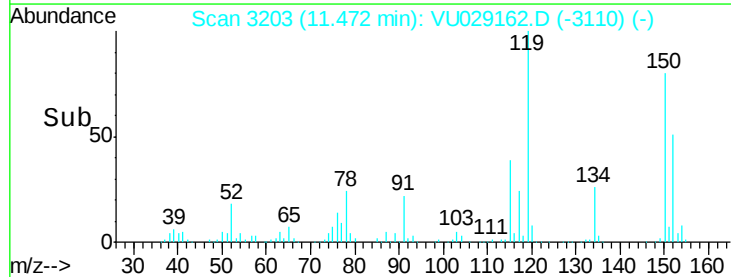
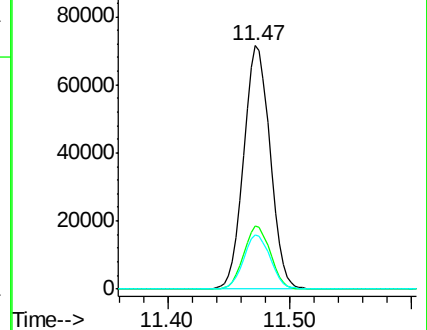
91 22.7 11.3 33.8

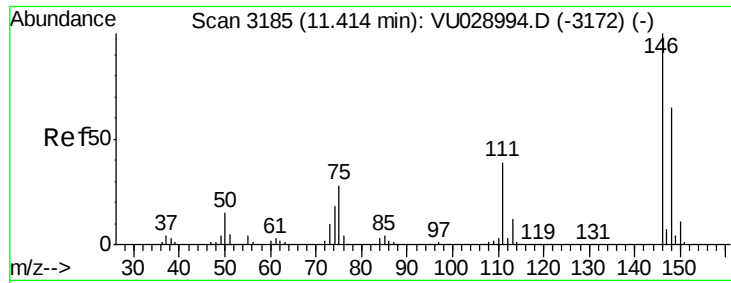


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





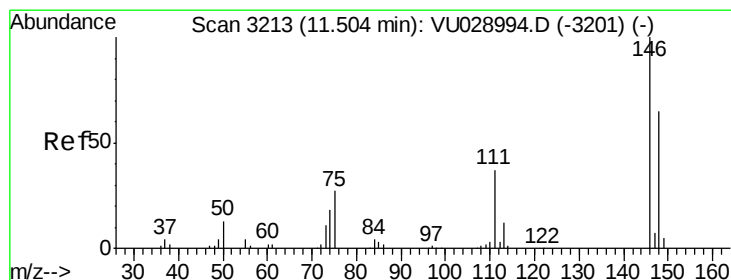
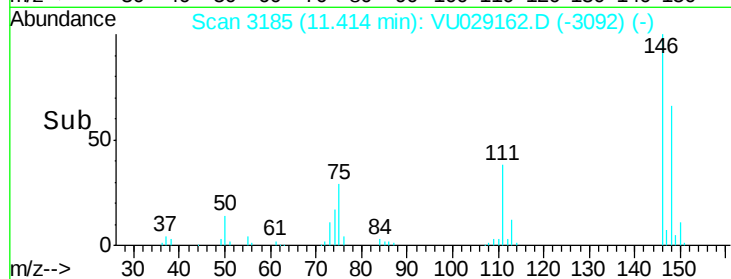
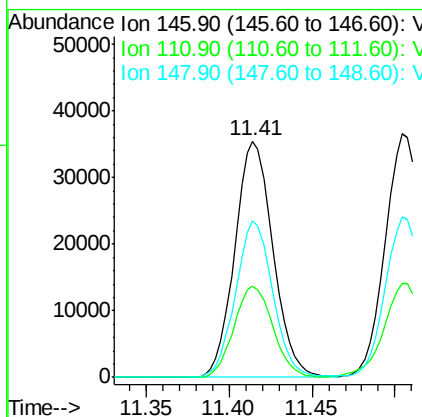
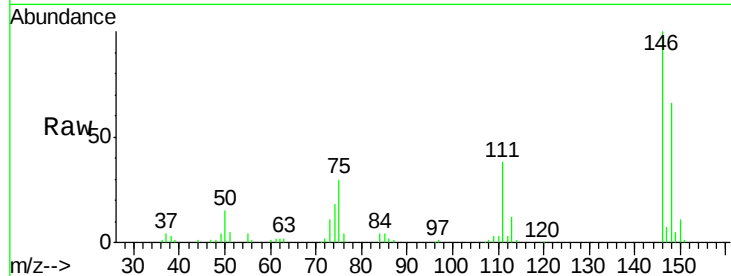
#87
 1,3-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	64.6	32.5	97.5

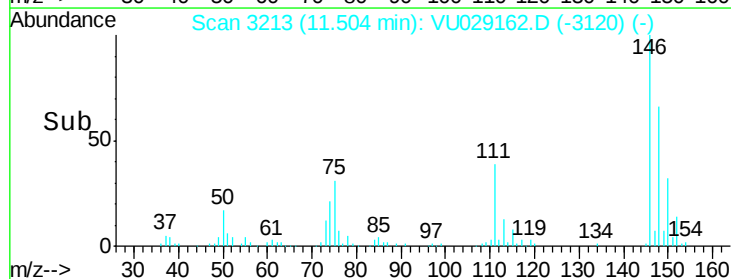
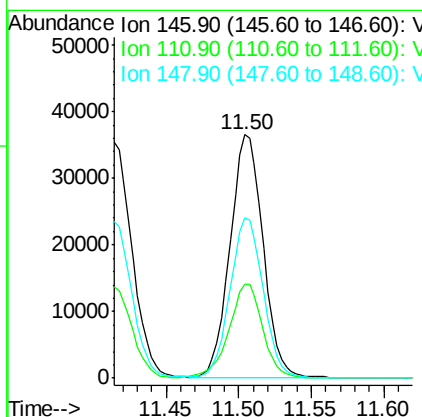
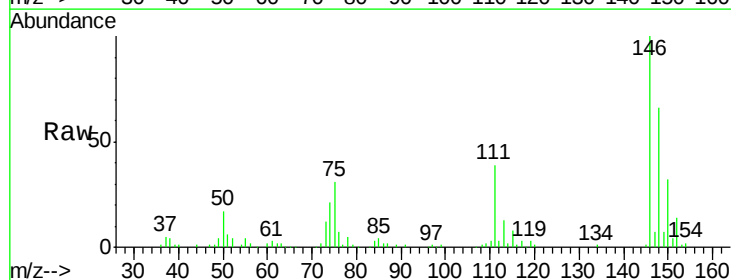
Manual Integrations
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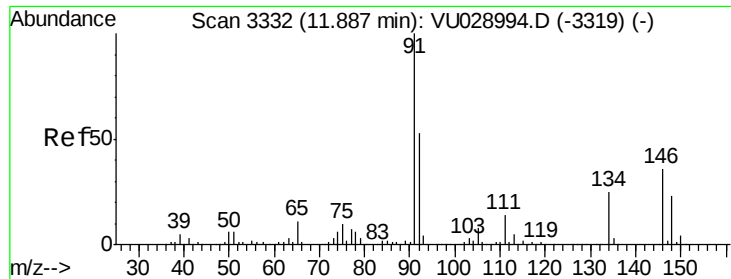
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#88
 1,4-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.3
148	65.8	32.6	98.0





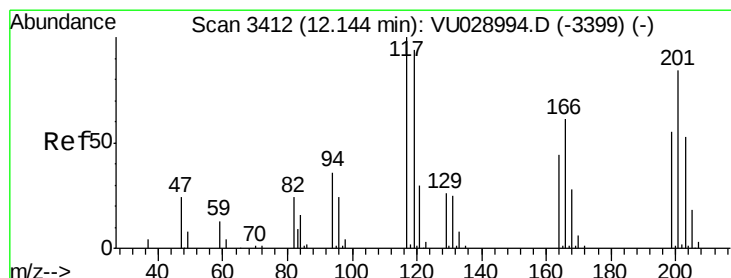
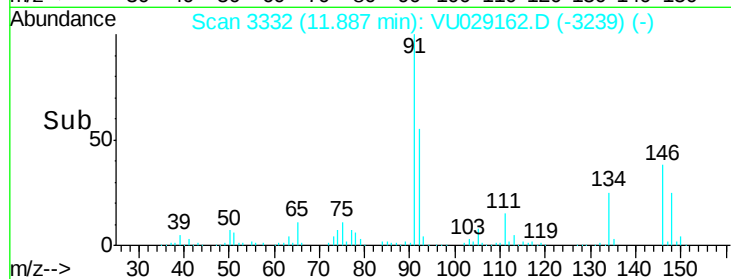
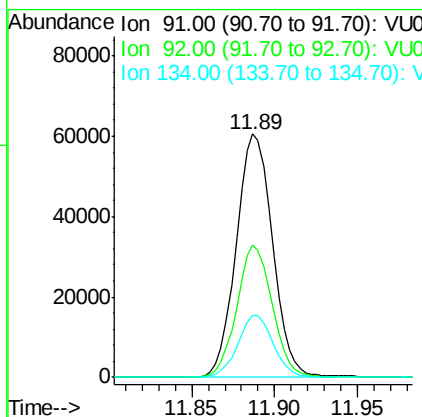
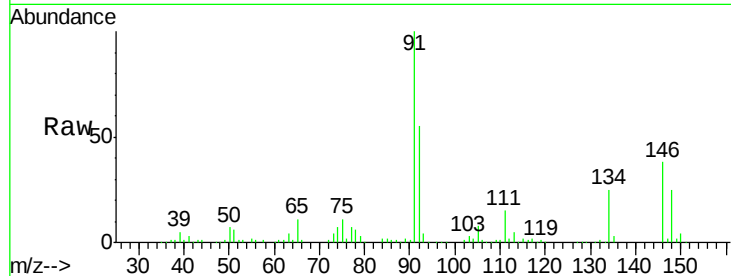
#89
n-Butylbenzene
Concen: 19.851 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	24.9	12.6	37.6

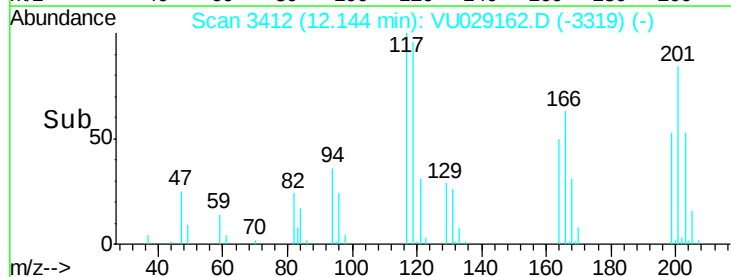
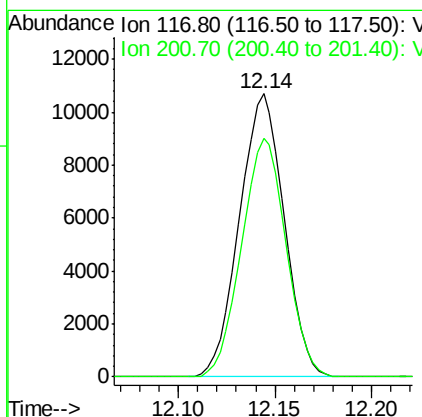
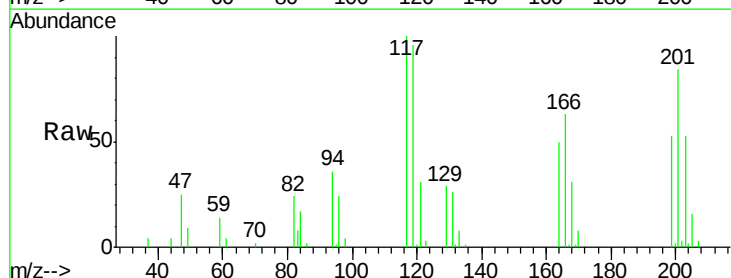
Manual Integrations
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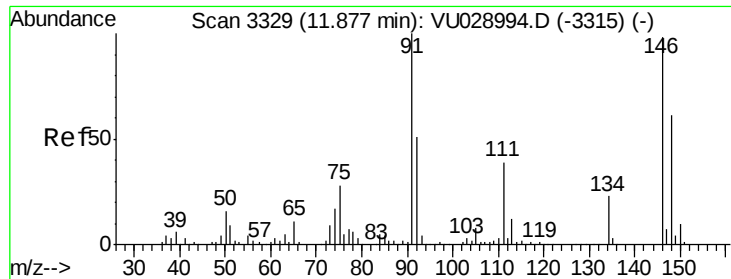
MMDadoda
1/15/2019 11:29:40 AM



#90
Hexachloroethane
Concen: 19.520 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.4	127.3





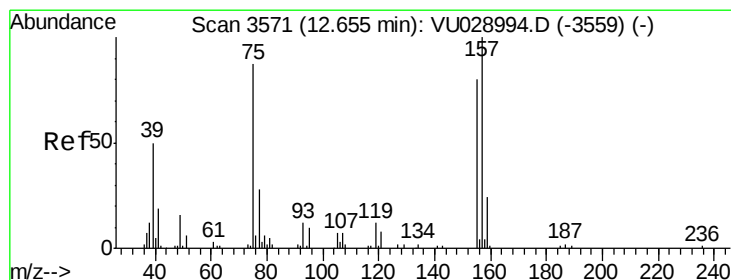
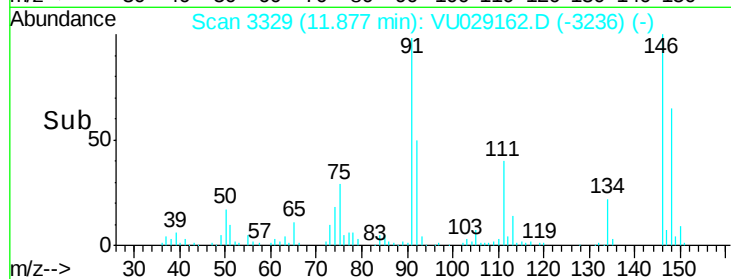
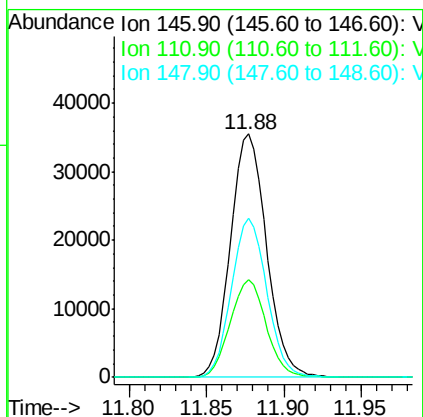
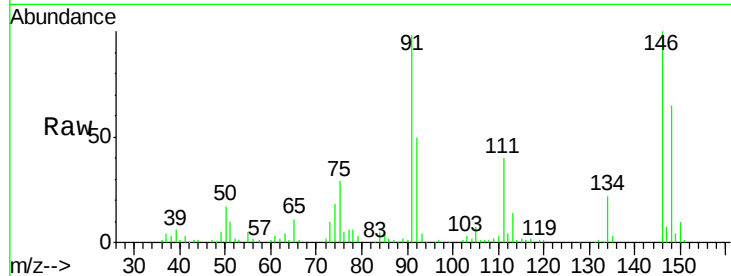
#91
 1,2-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.0	31.6	94.8

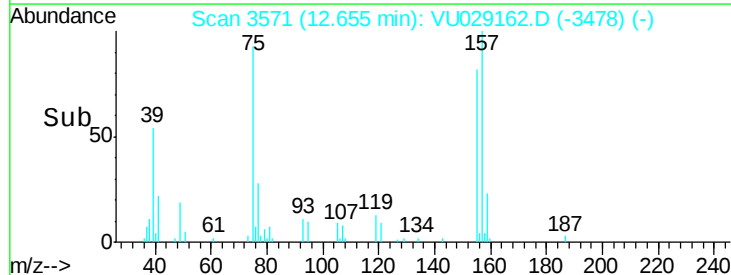
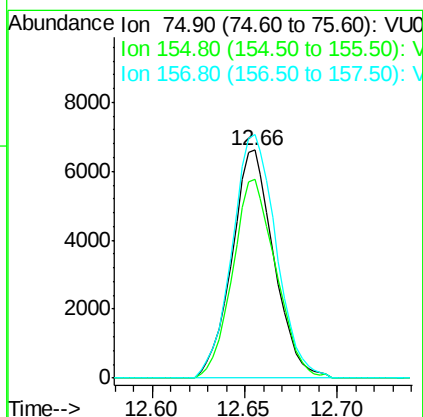
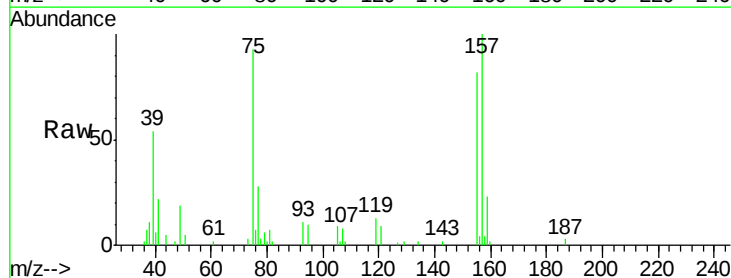
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.926 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	46.3	138.8
157	111.7	57.4	172.0





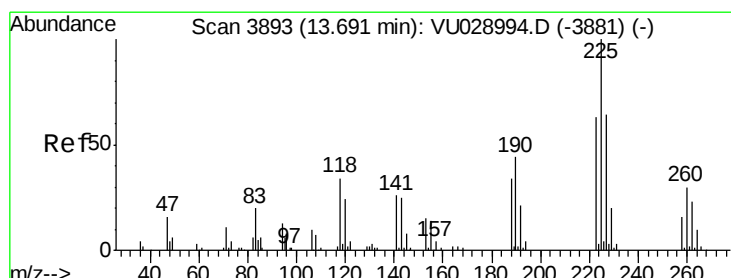
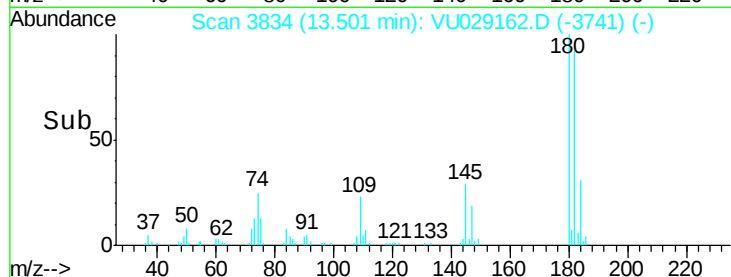
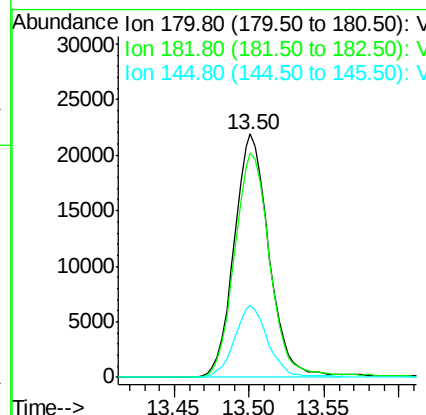
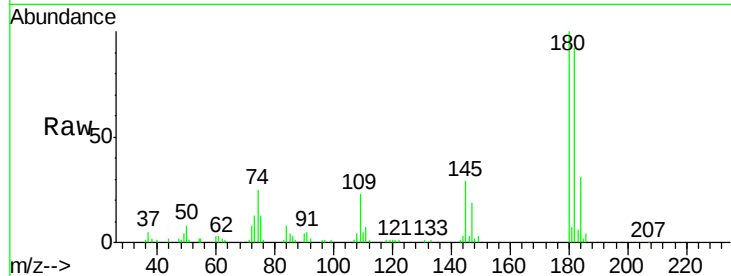
#93
 1,2,4-Trichlorobenzene
 Concen: 18.709 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	28.1	14.0	42.0

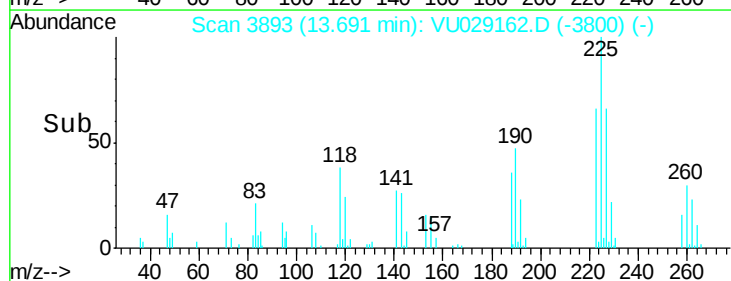
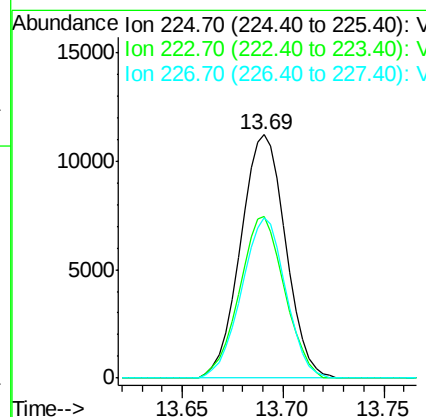
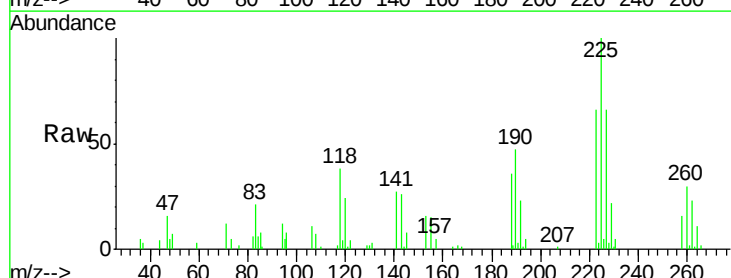
Manual Integrations
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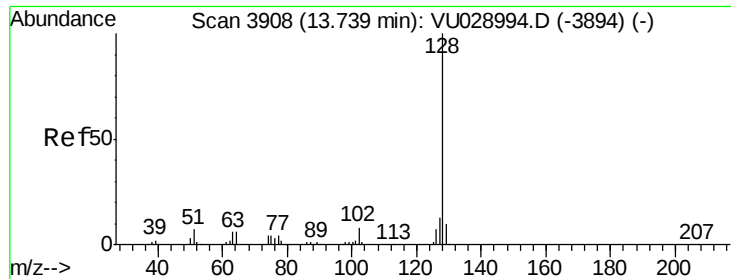
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 1/15/2019 11:29:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.243 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.4	94.0
227	64.6	31.9	95.5





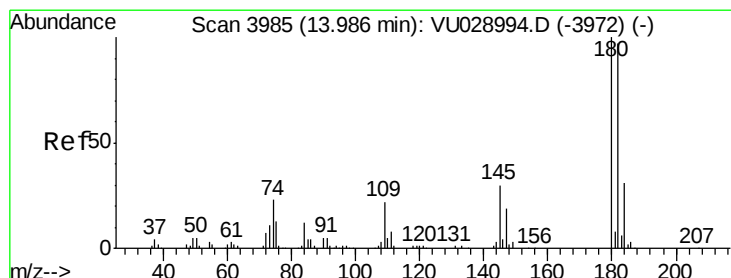
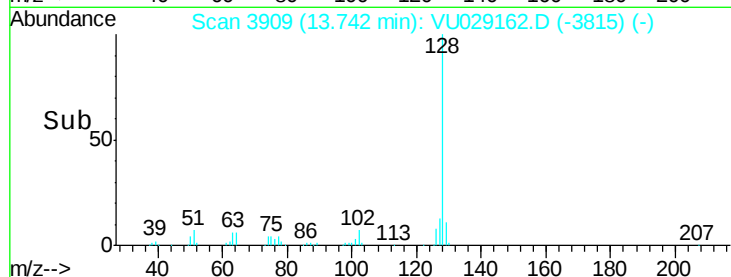
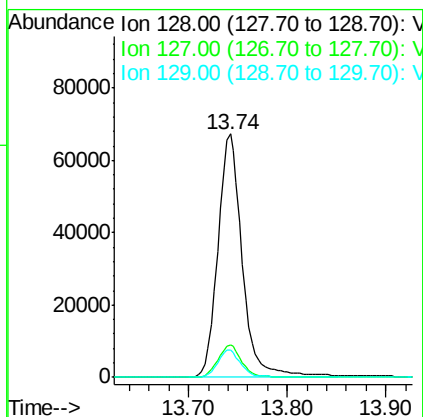
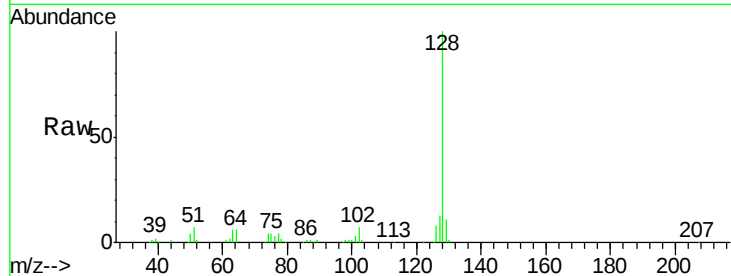
#95
Naphthalene
Concen: 18.142 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.133 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	29.3	14.8	44.4

