

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025715.D
 Acq On : 30 Jul 2018 11:34
 Operator : MD/SY
 Sample : VU0730WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 1:23:22 PM

Quant Time: Jul 30 18:34:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	292874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	155814	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	4.89	113	128153	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	7.57	98	458364	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	10.31	95	177819	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	64627	21.35	ug/l	99
3) Chloromethane	1.33	50	56671	19.58	ug/l	99
4) Vinyl Chloride	1.41	62	51939	19.07	ug/l	99
5) Bromomethane	1.63	94	26568	19.97	ug/l	99
6) Chloroethane	1.70	64	30307	19.03	ug/l	95
7) Trichlorofluoromethane	1.89	101	79248	20.13	ug/l	100
8) Diethyl Ether	2.10	74	27624	19.39	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44500	19.53	ug/l	100
10) Methyl Iodide	2.41	142	26467	18.91	ug/l	98
11) Tert butyl alcohol	2.82	59	59543	87.14	ug/l	100
12) 1,1-Dichloroethene	2.29	96	39900	18.55	ug/l	95
13) Acrolein	2.19	56	20156	80.07	ug/l	93
14) Allyl chloride	2.59	41	71965	18.62	ug/l	96
15) Acrylonitrile	2.94	53	125036	91.65	ug/l	98
16) Acetone	2.32	43	137536	90.39	ug/l	98
17) Carbon Disulfide	2.48	76	131527	18.90	ug/l	100
18) Methyl Acetate	2.62	43	73588	20.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	152836	19.61	ug/l	99
20) Methylene Chloride	2.70	84	49976	18.53	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	47827	19.24	ug/l	97
22) Diisopropyl ether	3.57	45	148801	19.54	ug/l	96
23) Vinyl Acetate	3.53	43	631061	95.07	ug/l	98
24) 1,1-Dichloroethane	3.45	63	88976	19.46	ug/l	100
25) 2-Butanone	4.26	43	190317	91.88	ug/l	99
26) 2,2-Dichloropropane	4.23	77	85549	20.59	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	54455	19.43	ug/l	99
28) Bromochloromethane	4.55	49	41303	20.20	ug/l	99
29) Tetrahydrofuran	4.64	42	112701	90.81	ug/l	99
30) Chloroform	4.68	83	92097	19.08	ug/l	98
31) Cyclohexane	5.00	56	80280	19.36	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	85864	19.76	ug/l	99
36) 1,1-Dichloropropene	5.14	75	71613	20.92	ug/l	99
37) Ethyl Acetate	4.38	43	64938	18.30	ug/l	99
38) Carbon Tetrachloride	5.14	117	77632	20.03	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81531	20.79	ug/l	98
40) Benzene	5.39	78	196285	19.62	ug/l	99
41) Methacrylonitrile	4.54	41	37704	19.13	ug/l	98
42) 1,2-Dichloroethane	5.41	62	75222	19.53	ug/l	98
43) Isopropyl Acetate	5.55	43	109165	18.61	ug/l	98
44) Trichloroethene	6.19	130	55982	20.09	ug/l	100
45) 1,2-Dichloropropane	6.44	63	50656	19.41	ug/l	100
46) Dibromomethane	6.56	93	37084	19.61	ug/l	99
47) Bromodichloromethane	6.76	83	71950	19.95	ug/l	94
48) Methyl methacrylate	6.63	41	55386	19.27	ug/l	97
49) 1,4-Dioxane	6.61	88	27487	392.97	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	344773	93.90	ug/l	100
52) Toluene	7.64	92	127282	20.48	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	82784	20.44	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	85230	20.49	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49669	19.23	ug/l	98
56) Ethyl methacrylate	8.02	69	72664	19.69	ug/l	98
57) 1,3-Dichloropropane	8.25	76	85961	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	153254	96.18	ug/l	100
59) 2-Hexanone	8.36	43	269948	93.79	ug/l	99
60) Dibromochloromethane	8.48	129	59738	19.61	ug/l	99
61) 1,2-Dibromoethane	8.59	107	55960	19.48	ug/l	98
64) Tetrachloroethene	8.23	164	50101	20.14	ug/l	99
65) Chlorobenzene	9.12	112	143685	19.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	54094	20.52	ug/l	98
67) Ethyl Benzene	9.25	91	244200	20.23	ug/l	99
68) m/p-Xylenes	9.38	106	192425	41.52	ug/l	100
69) o-Xylene	9.78	106	90818	20.05	ug/l	97
70) Styrene	9.80	104	150941	20.63	ug/l	98
71) Bromoform	9.96	173	45828	20.05	ug/l #	100
73) Isopropylbenzene	10.17	105	250420	20.30	ug/l	100
74) N-amyl acetate	10.01	43	97970	19.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	79929	18.74	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	67325m	16.91	ug/l	
77) Bromobenzene	10.45	156	66007	19.40	ug/l	97
78) n-propylbenzene	10.59	91	298604	20.74	ug/l	100
79) 2-Chlorotoluene	10.66	91	173593	20.59	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	216715	20.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	31043m	19.55	ug/l	
82) 4-Chlorotoluene	10.78	91	208398	20.97	ug/l	99
83) tert-Butylbenzene	11.10	119	211482	20.32	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	221070	20.83	ug/l	98
85) sec-Butylbenzene	11.33	105	265414	20.89	ug/l	100
86) p-Isopropyltoluene	11.48	119	239692	21.07	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	127171	20.14	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	129493	19.67	ug/l	99
89) n-Butylbenzene	11.89	91	220437	20.99	ug/l	99
90) Hexachloroethane	12.15	117	39359	19.46	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	124929	20.18	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19222	19.01	ug/l	99

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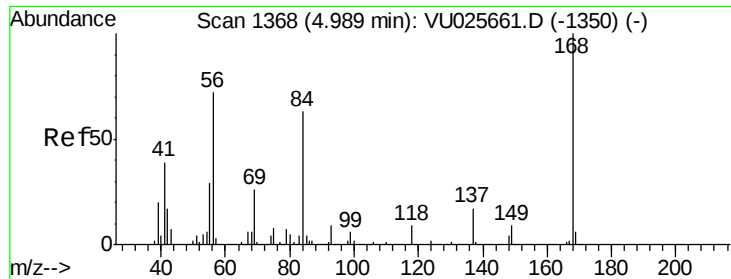
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	87917	21.04	ug/l	99
94) Hexachlorobutadiene	13.70	225	44855	20.37	ug/l	98
95) Naphthalene	13.75	128	234598	18.30	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	84405	20.25	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:168 Resp: 200313

Ion Ratio Lower Upper

168 100

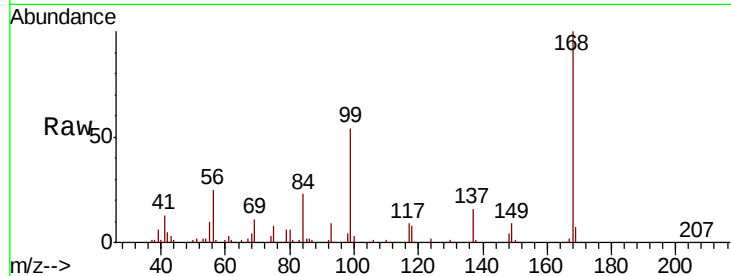
99 54.3 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

60000

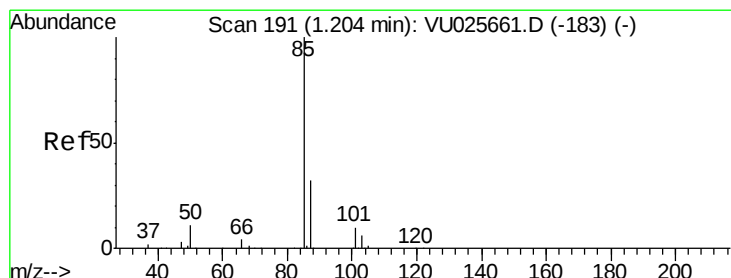
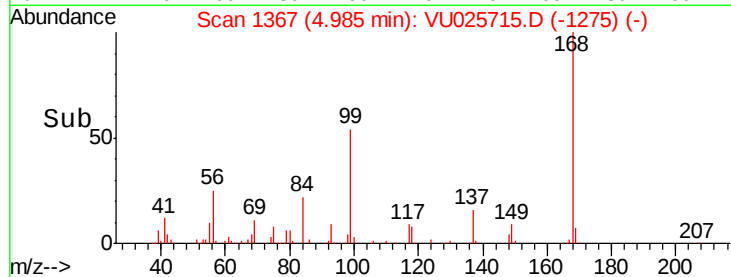
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.35 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025715.D

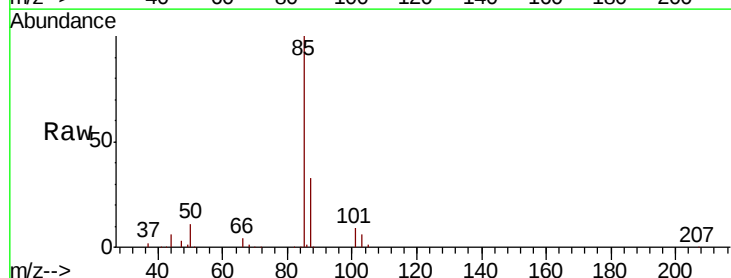
Acq: 30 Jul 2018 11:34

Tgt Ion: 85 Resp: 64627

Ion Ratio Lower Upper

85 100

87 32.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

60000

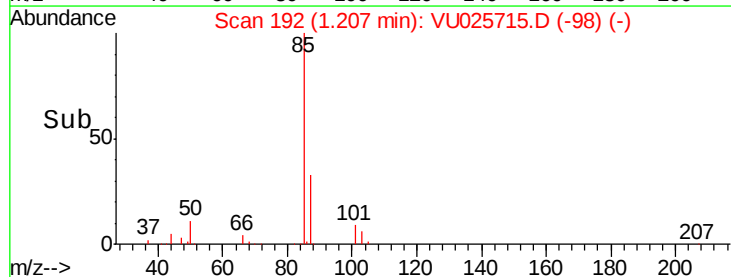
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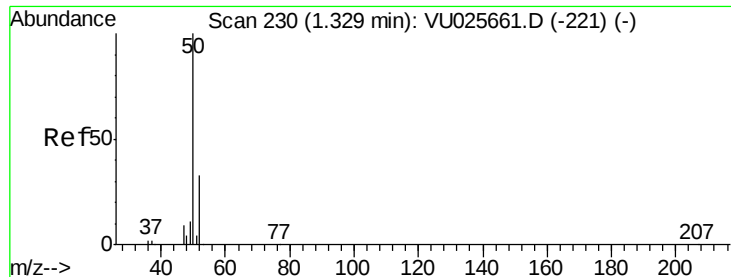
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.58 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 50 Resp: 56671

Ion Ratio Lower Upper

50 100

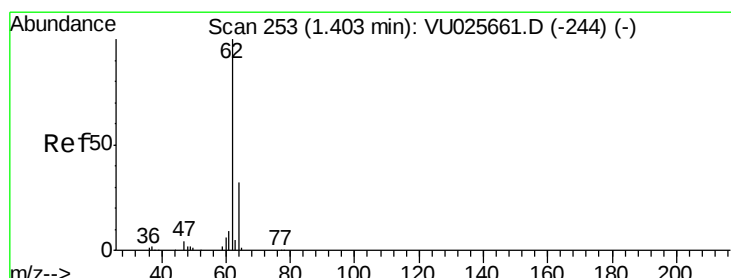
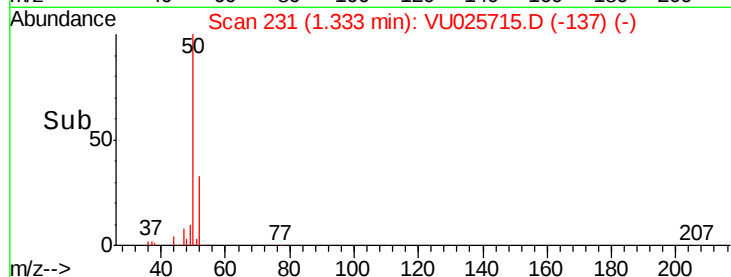
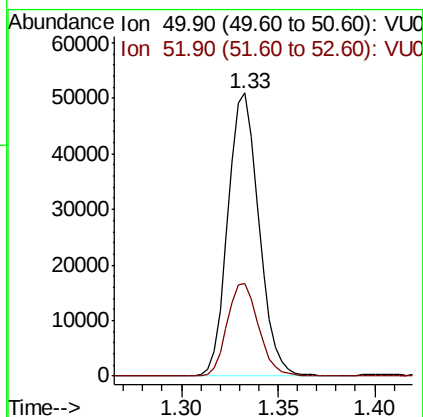
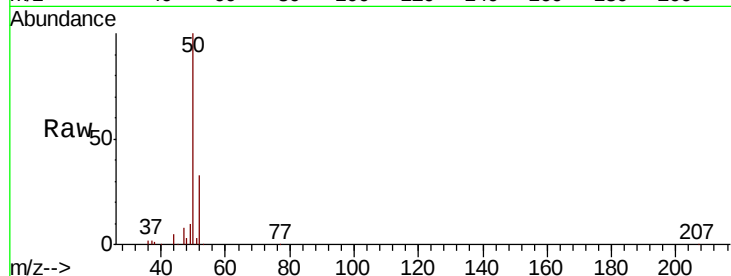
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.07 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025715.D

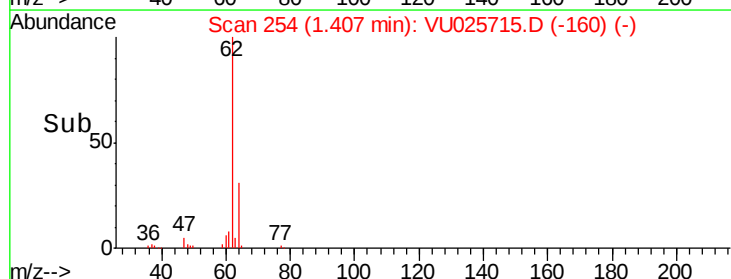
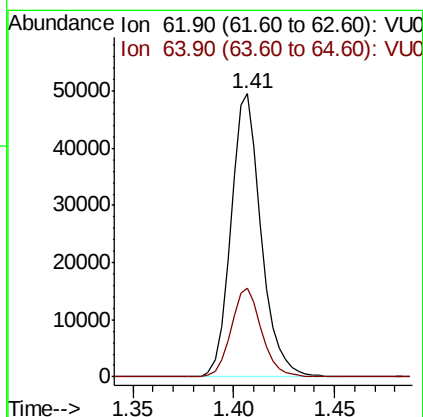
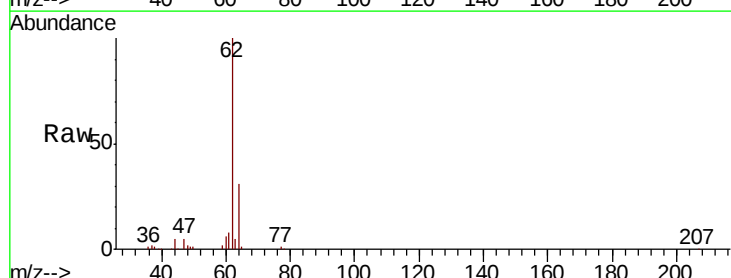
Acq: 30 Jul 2018 11:34

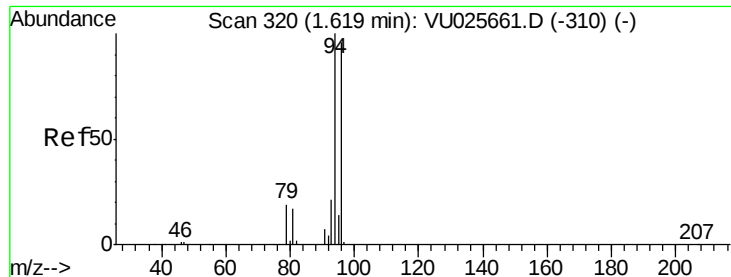
Tgt Ion: 62 Resp: 51939

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 19.97 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 94 Resp: 26568

Ion Ratio Lower Upper

94 100

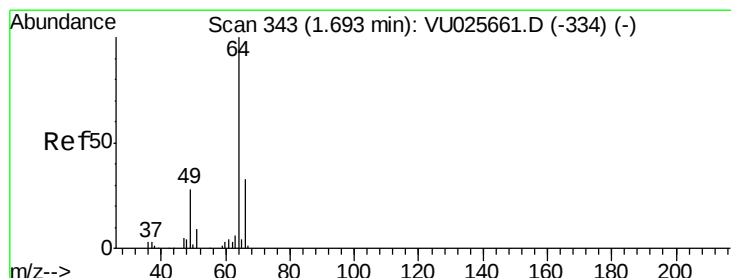
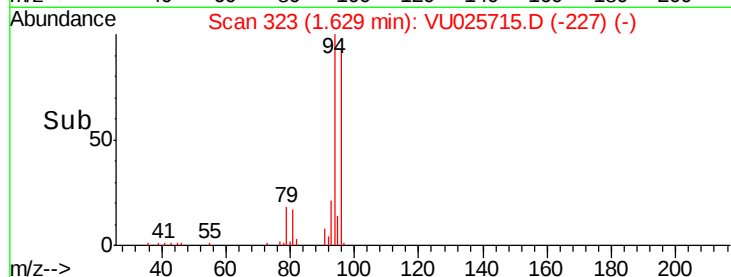
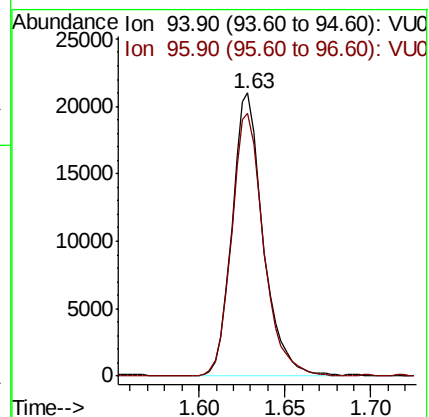
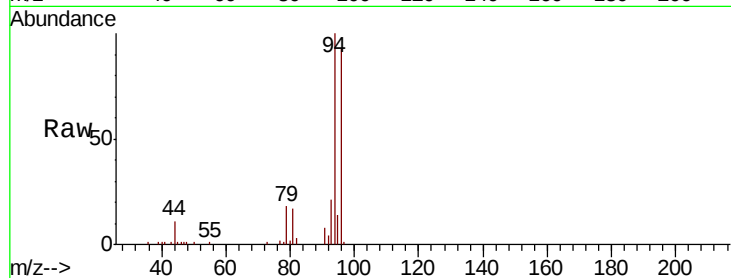
96 92.9 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.03 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025715.D

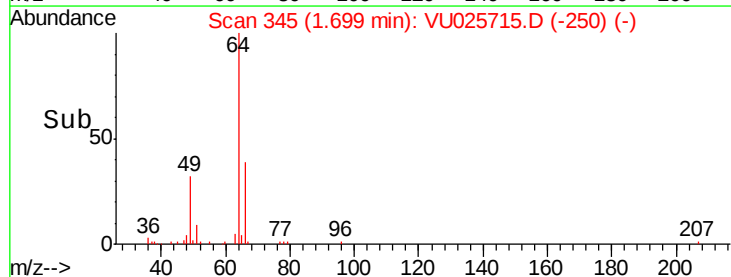
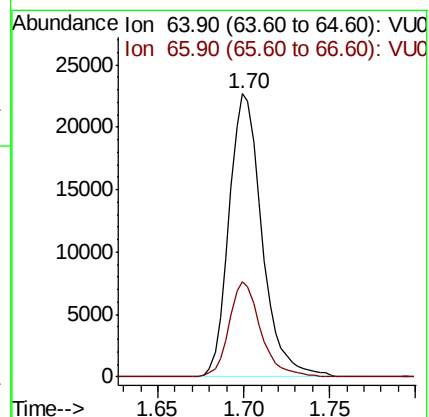
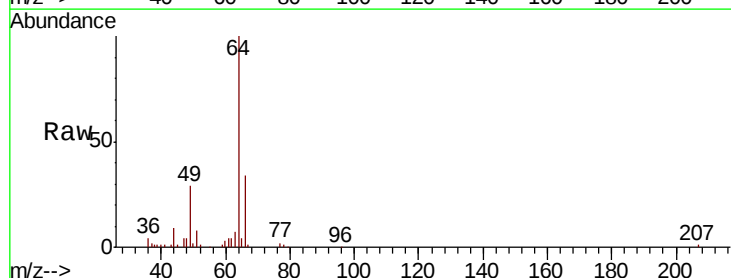
Acq: 30 Jul 2018 11:34

Tgt Ion: 64 Resp: 30307

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4





#7

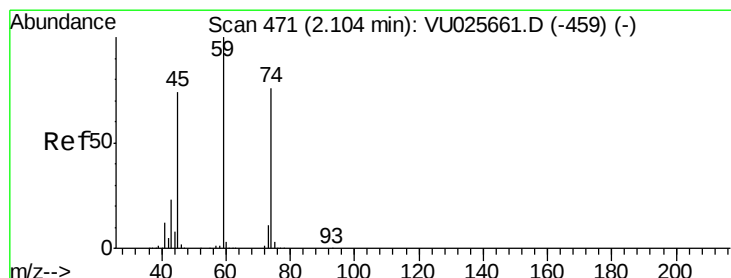
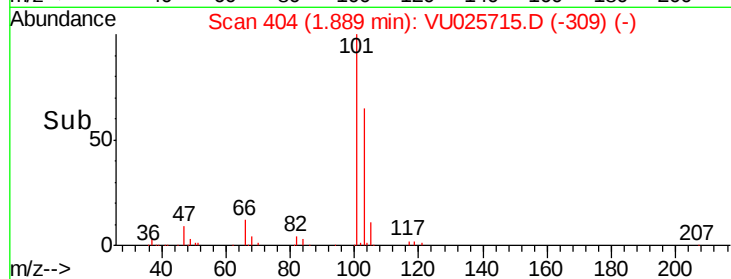
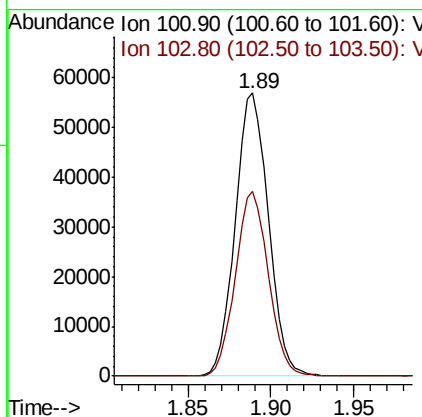
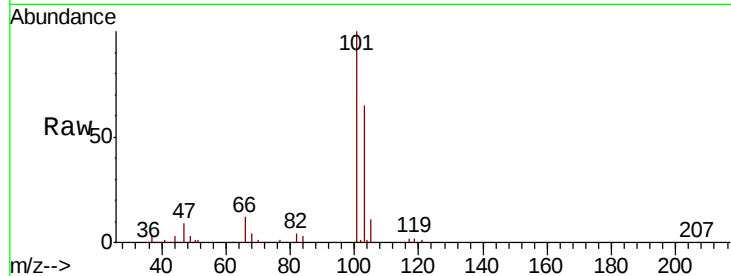
Trichlorofluoromethane
 Concen: 20.13 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

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 VU0730WBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.3	52.2	78.2	

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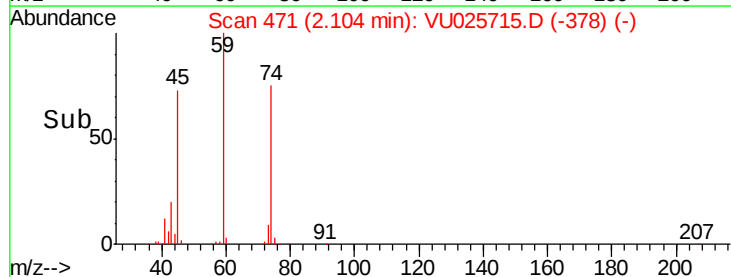
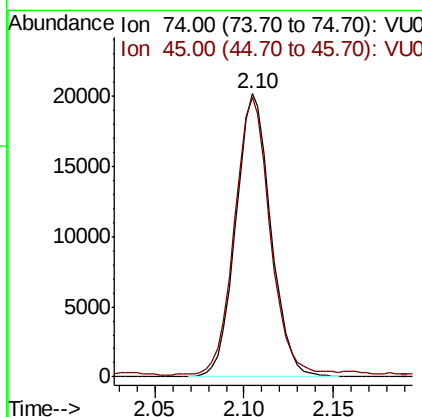
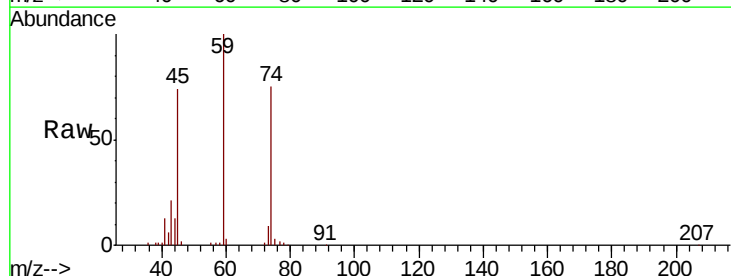
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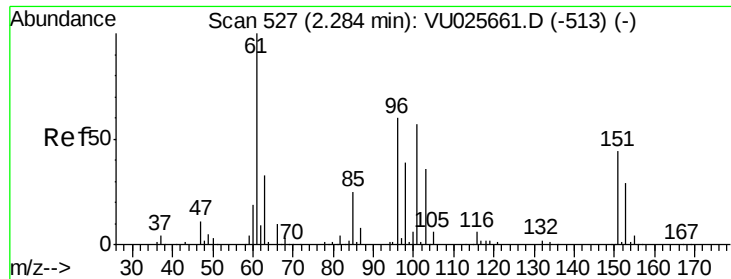


#8

Diethyl Ether
 Concen: 19.39 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	99.3	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.53 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

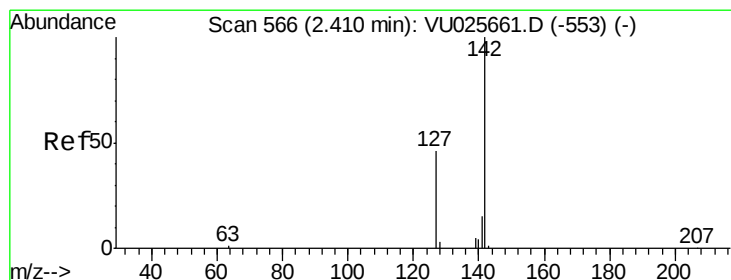
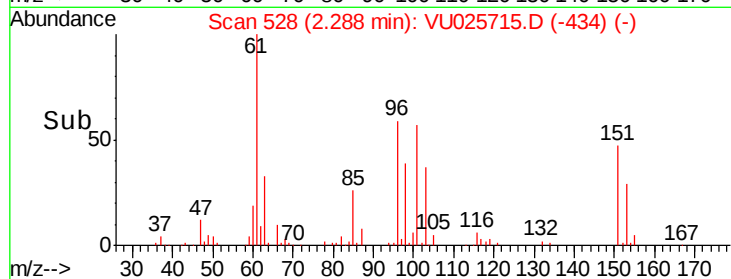
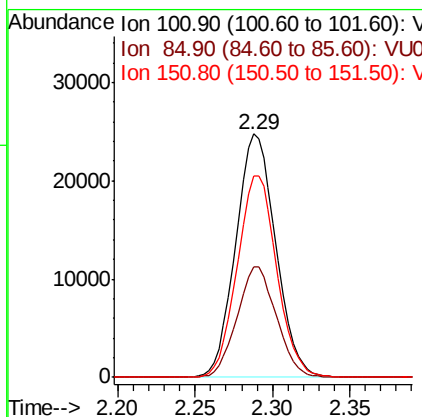
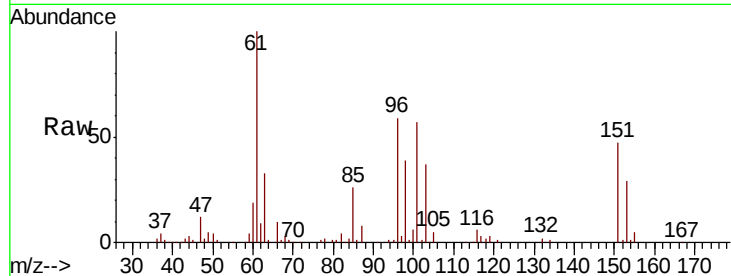
ClientSampleId :

VU0730WBS01

Tot Ion:	101	Resp:	44500
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	82.1	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.91 ug/l

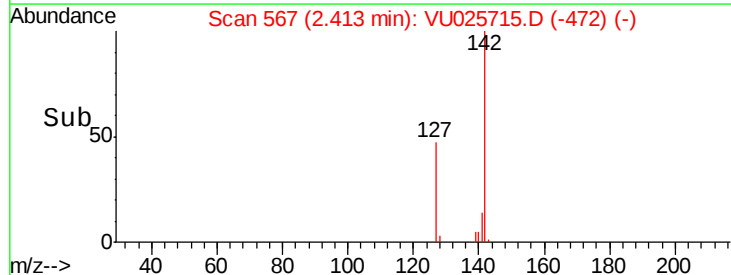
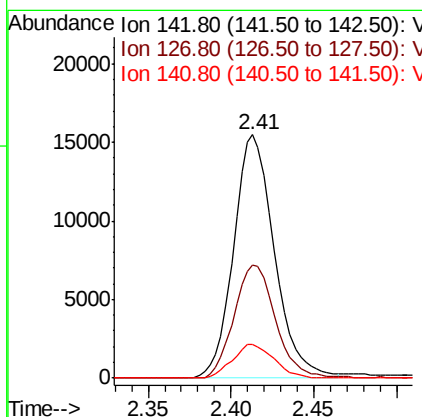
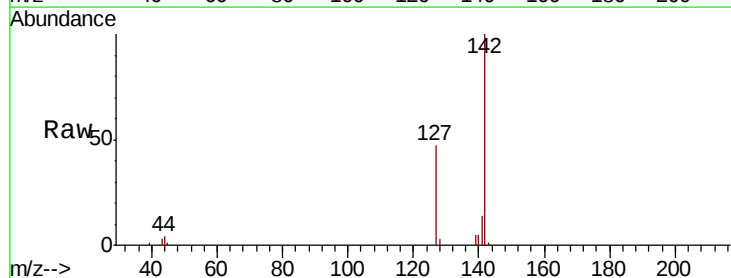
RT: 2.41 min Scan# 567

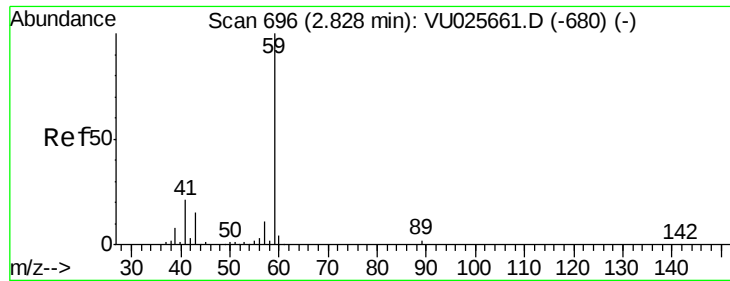
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	142	Resp:	26467
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.5	54.7
141	14.1	11.4	17.2





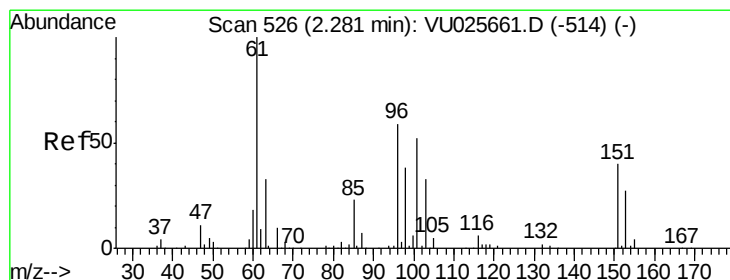
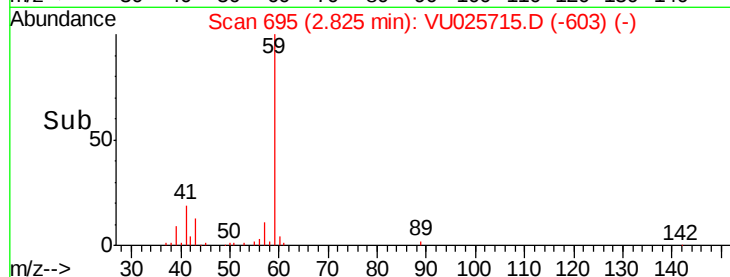
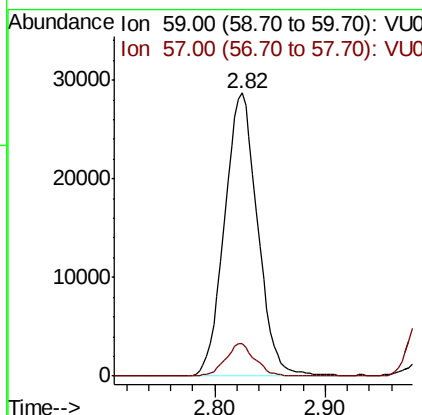
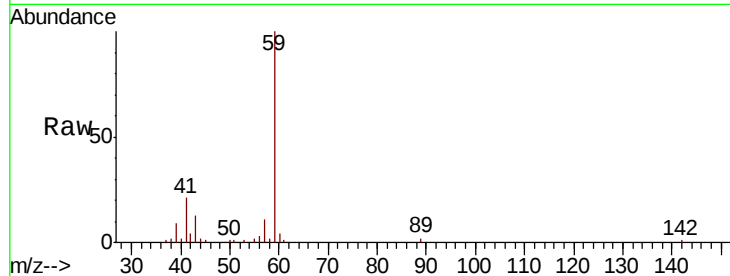
#11
Tert butyl alcohol
Concen: 87.14 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

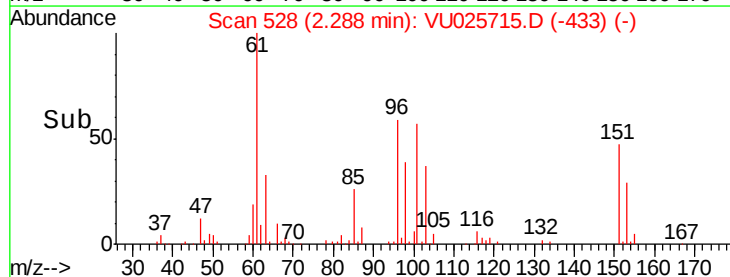
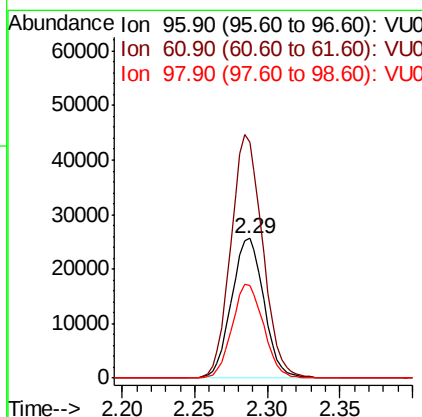
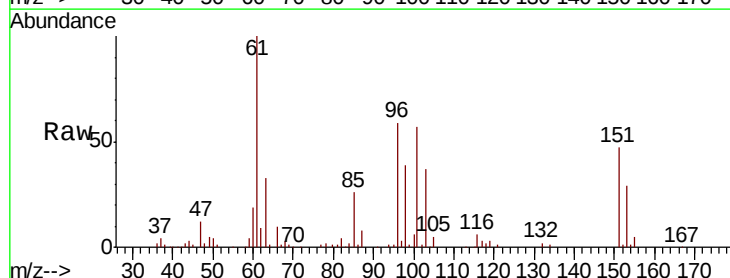
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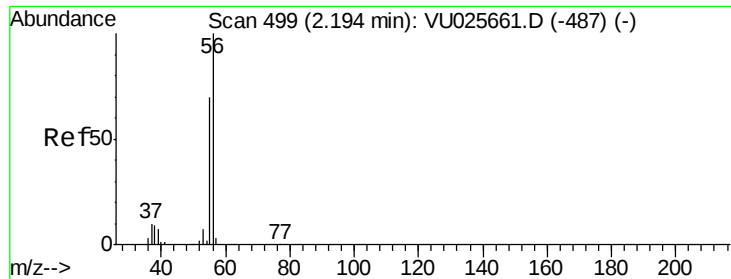
MMDadoda
7/31/2018 1:23:22 PM



#12
1,1-Dichloroethene
Concen: 18.55 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.01 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	140.2	210.4
98	66.6	49.3	73.9





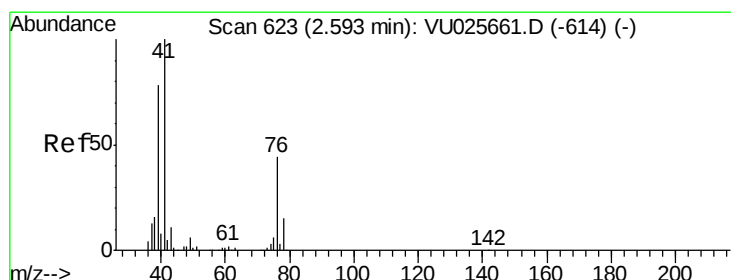
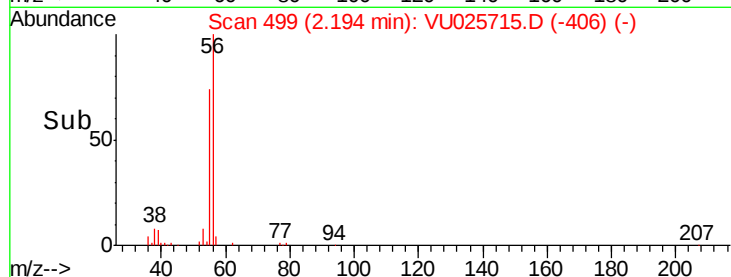
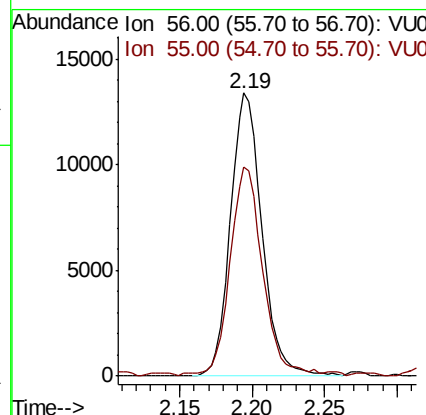
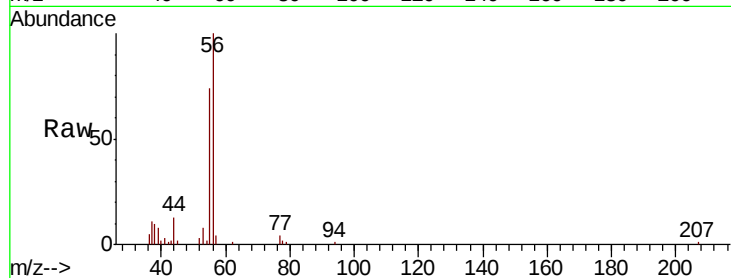
#13
Acrolein
Concen: 80.07 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	56	Resp	20156
Ion Ratio	100	Lower	Upper
56	100		
55	76.9	57.2	85.8

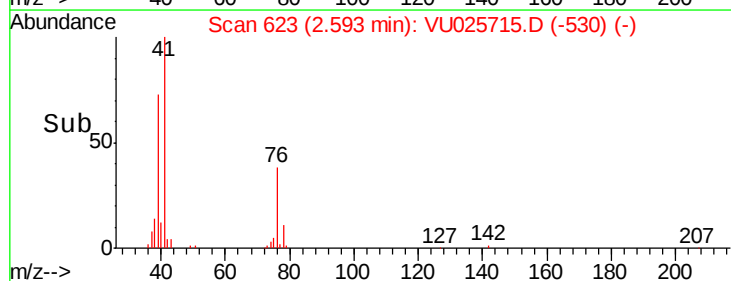
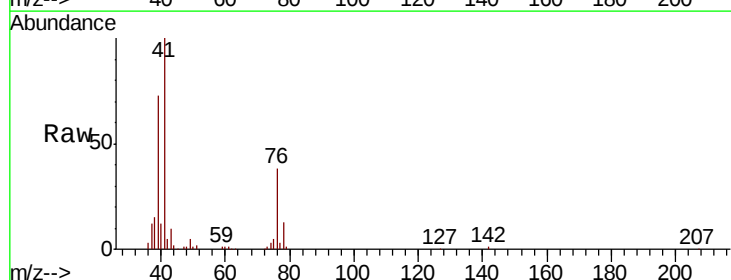
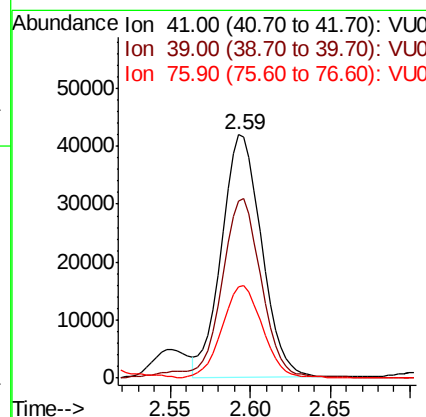
Manual Integrations
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#14
Allyl chloride
Concen: 18.62 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	41	Resp	71965
Ion Ratio	100	Lower	Upper
41	100		
39	71.1	60.6	91.0
76	38.6	30.5	45.7





#15

Acrylonitrile

Concen: 91.65 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

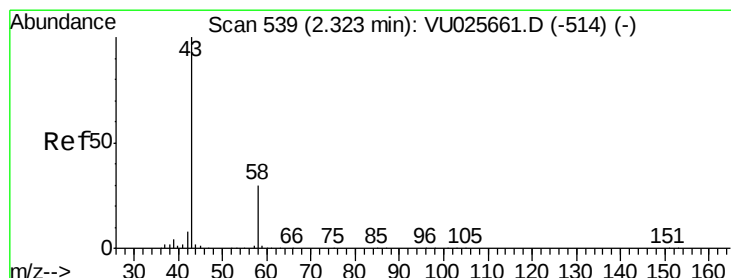
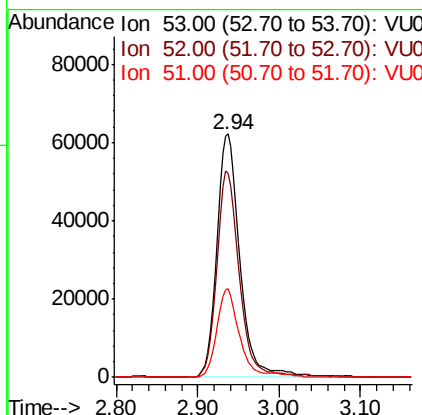
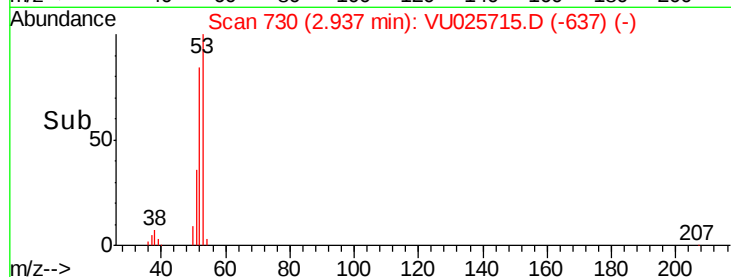
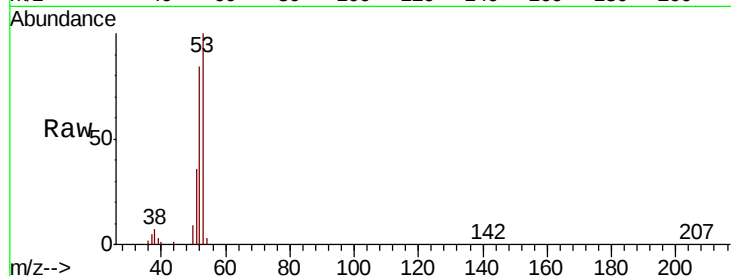
ClientSampleId :

VU0730WBS01

Tot Ion:	53	Resp:	125036
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.6	99.8
51	34.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 90.39 ug/l

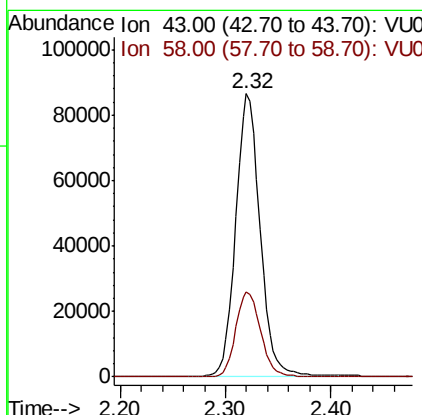
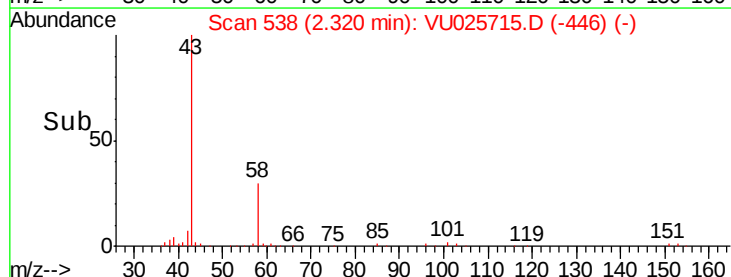
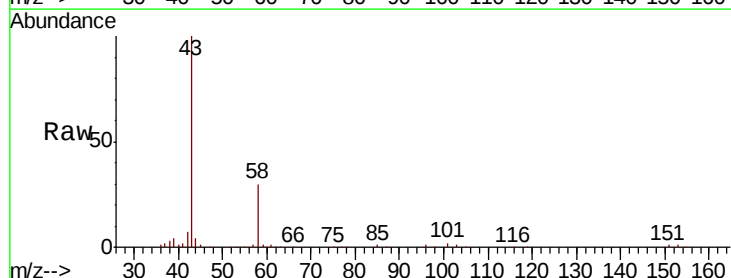
RT: 2.32 min Scan# 538

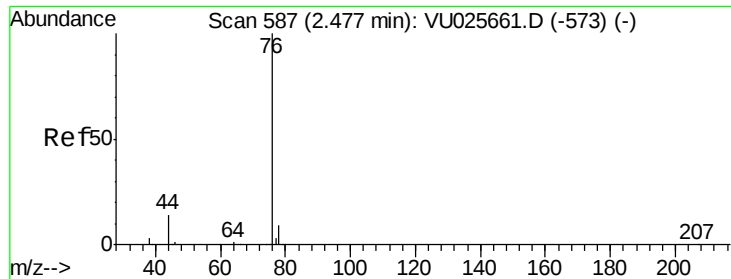
Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	43	Resp:	137536
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7





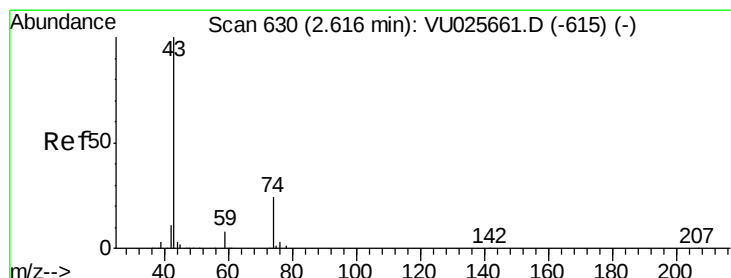
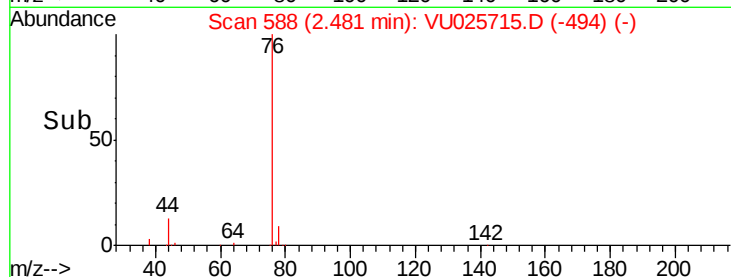
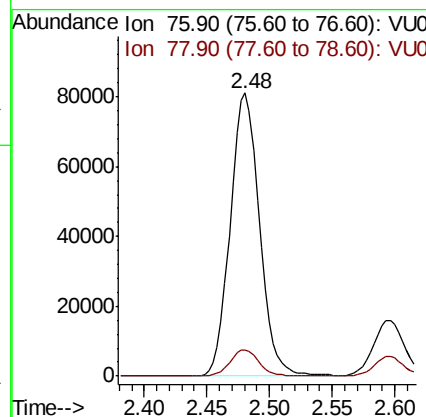
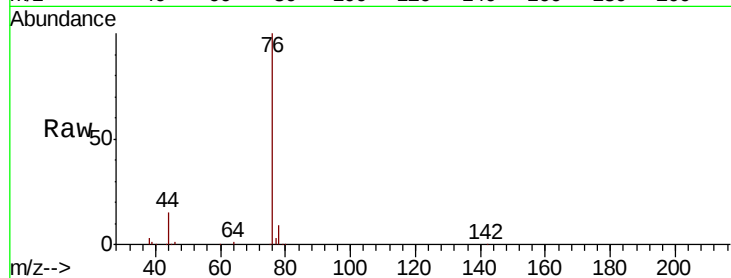
#17
Carbon Disulfide
Concen: 18.90 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

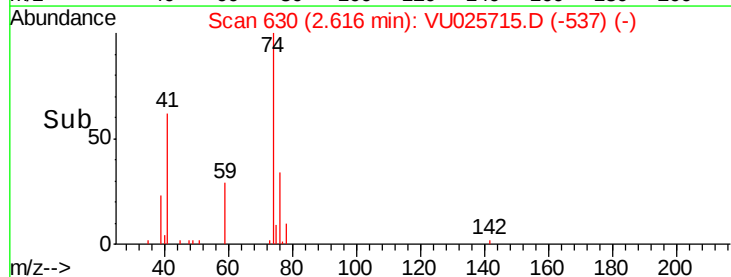
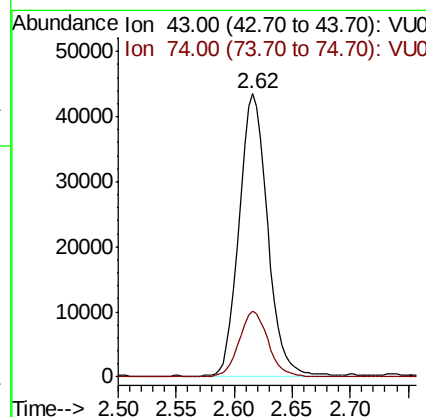
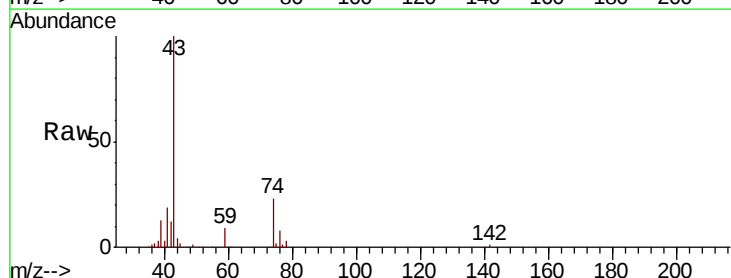
Manual Integrations
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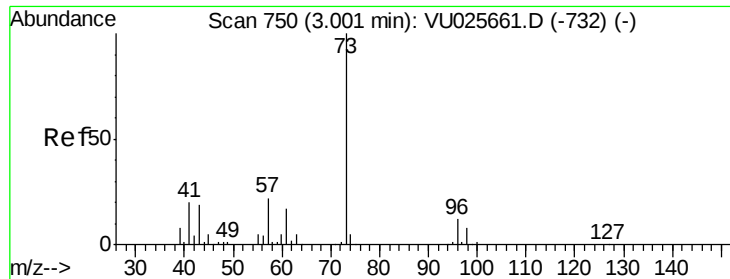
MMDadoda
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#18
Methyl Acetate
Concen: 20.09 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





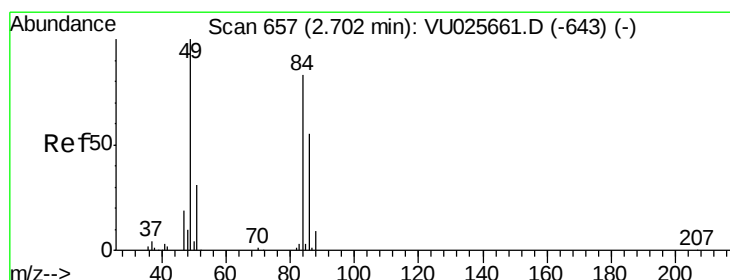
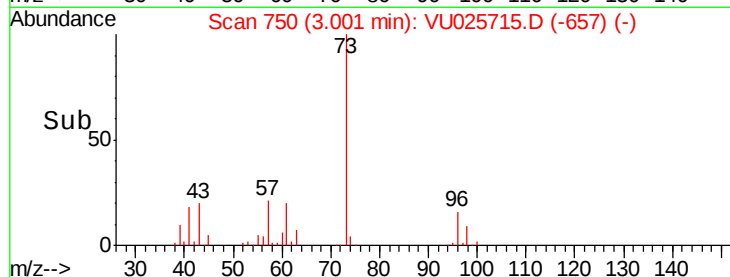
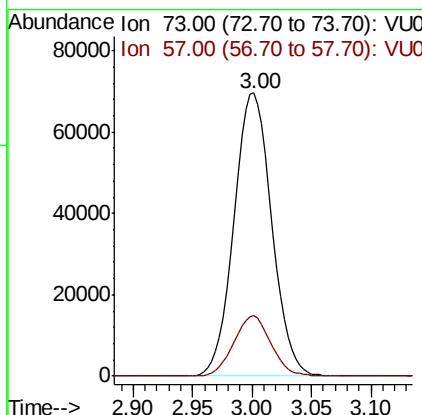
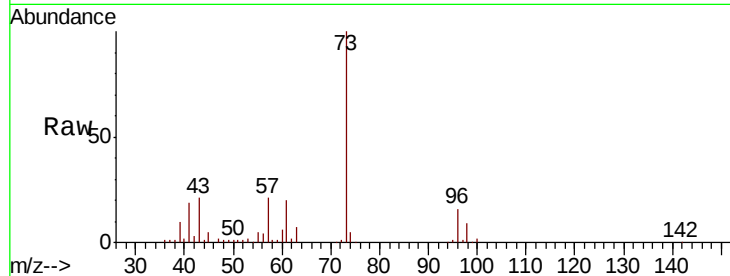
#19
Methyl tert-butyl Ether
Concen: 19.61 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.2

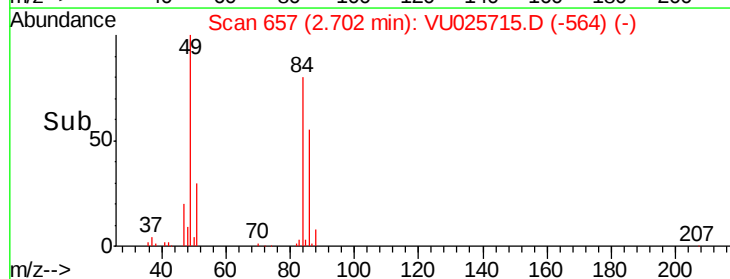
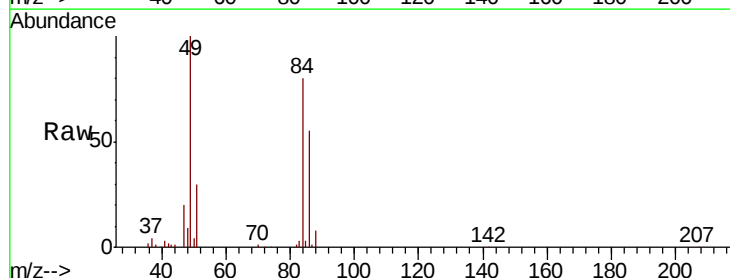
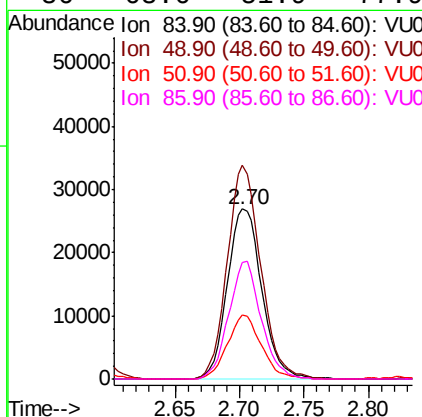
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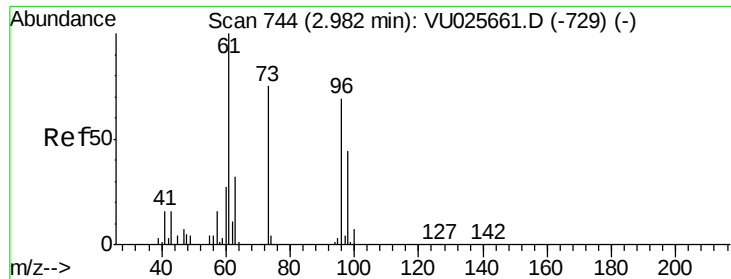
MMDadoda
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#20
Methylene Chloride
Concen: 18.53 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	101.8	152.6
51	37.3	30.8	46.2
86	68.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

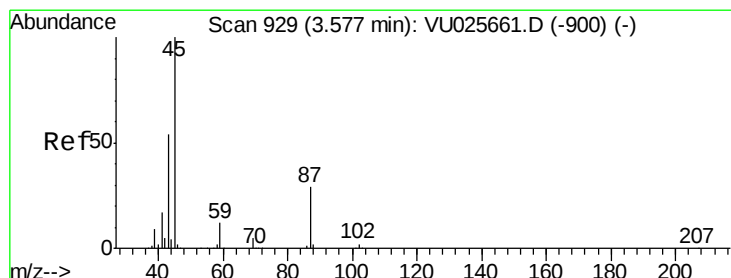
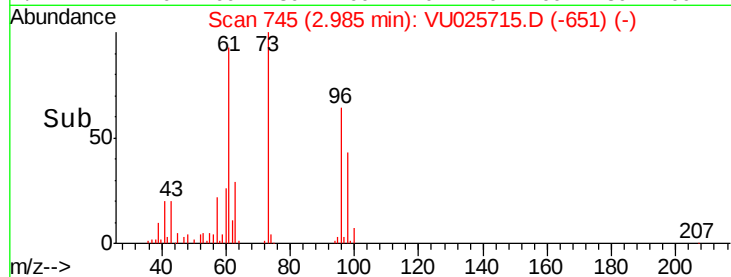
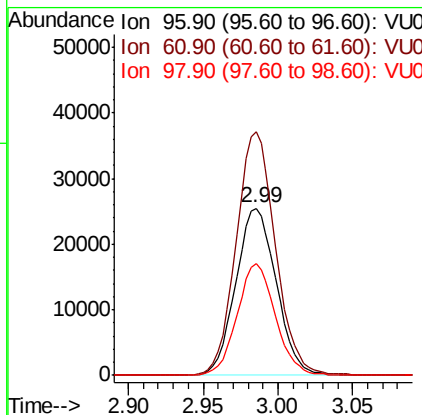
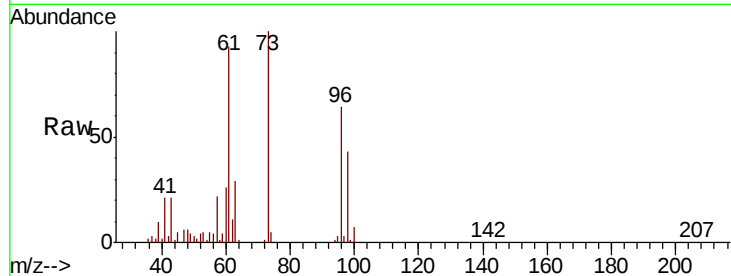
ClientSampleId :

VU0730WBS01

Tot Ion:	96	Resp:	47827
Ion	Ratio	Lower	Upper
96	100		
61	145.9	114.5	171.7
98	67.0	50.5	75.7

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#22

Diisopropyl ether

Concen: 19.54 ug/l

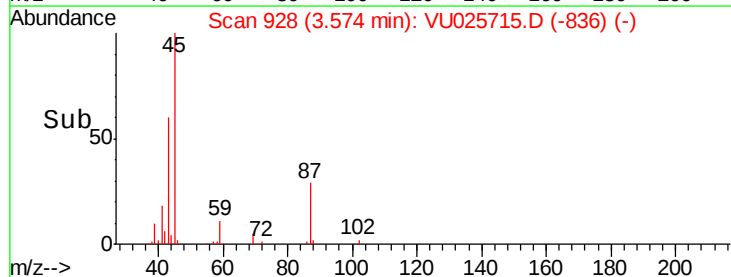
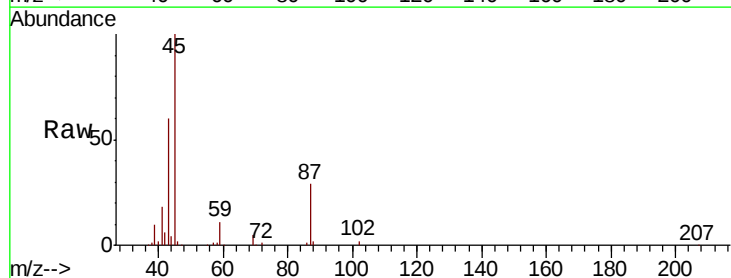
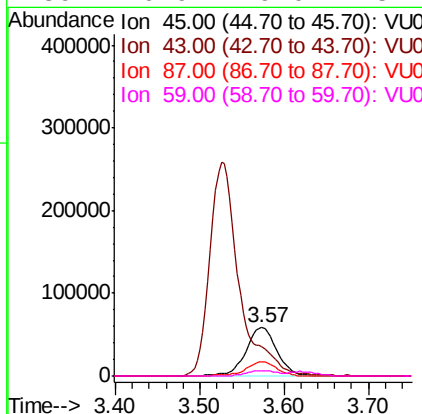
RT: 3.57 min Scan# 928

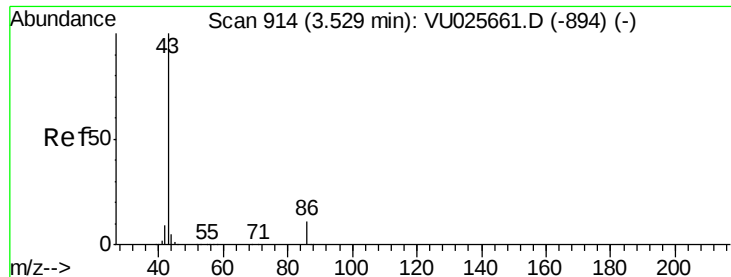
Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	45	Resp:	148801
Ion	Ratio	Lower	Upper
45	100		
43	58.9	50.9	76.3
87	28.8	23.8	35.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 95.07 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tot Ion: 43 Resp: 631061

Ion Ratio Lower Upper

43 100

86 10.9 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

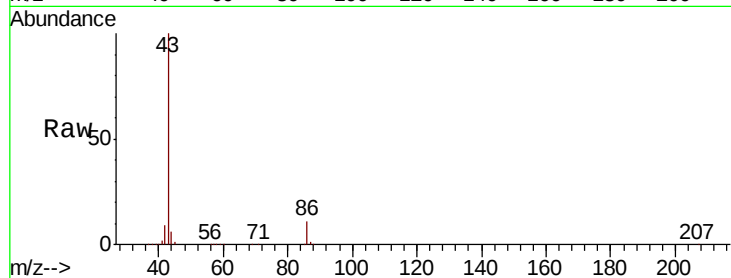
VU0730WBS01

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

300000

250000

200000

150000

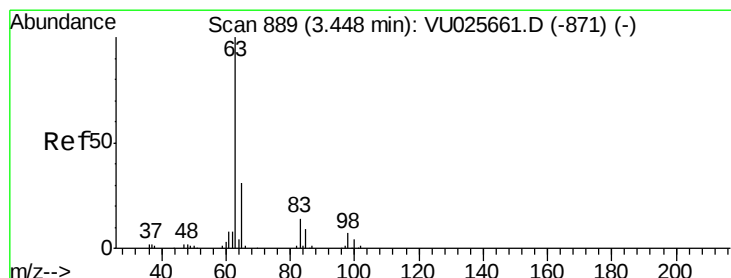
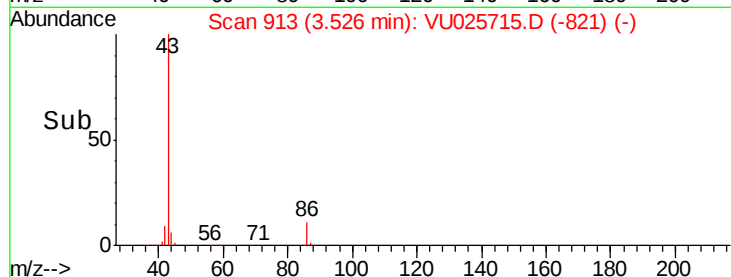
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.46 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

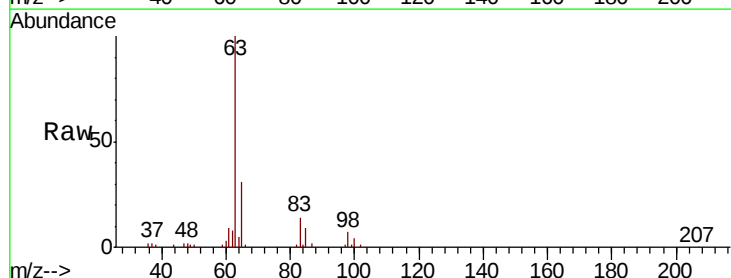
Tgt Ion: 63 Resp: 88976

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

50000

40000

30000

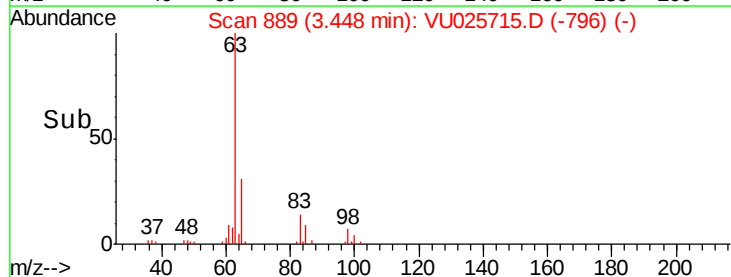
20000

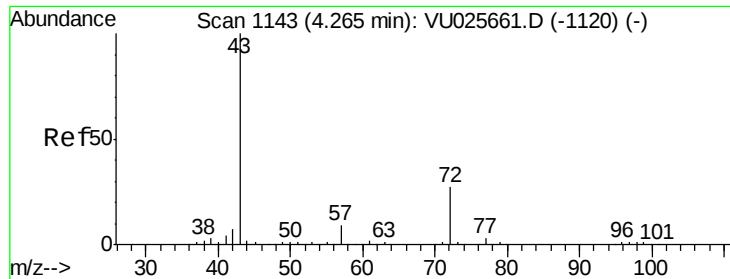
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





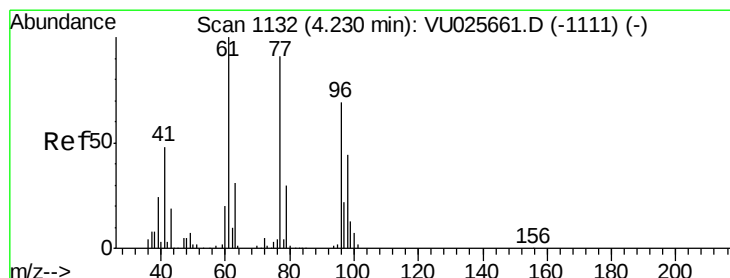
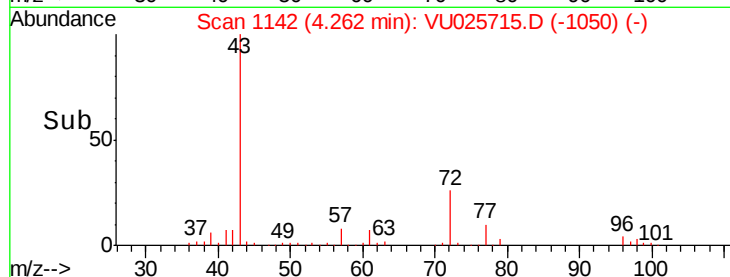
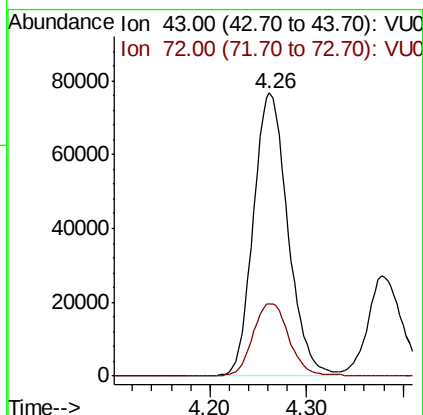
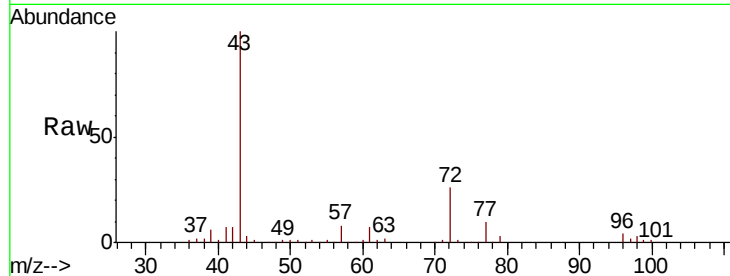
#25
2-Butanone
Concen: 91.88 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.0	31.4

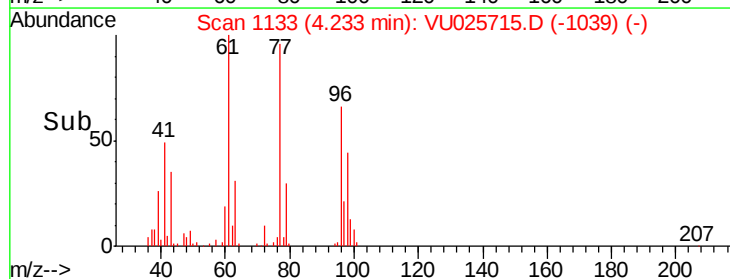
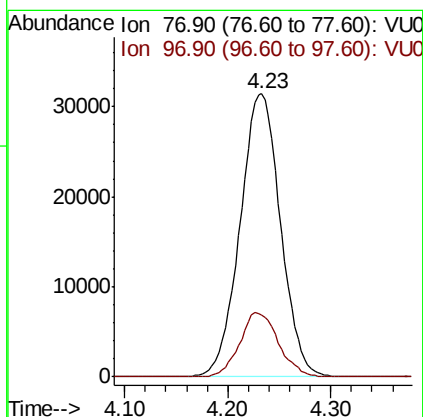
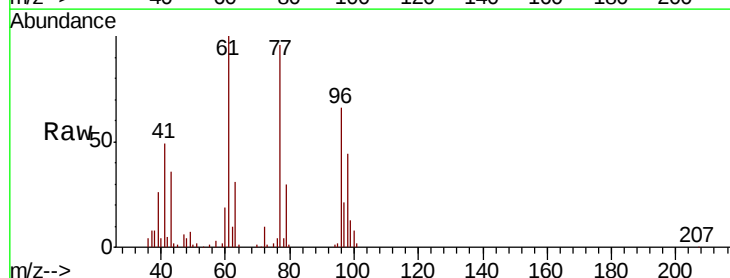
Manual Integrations
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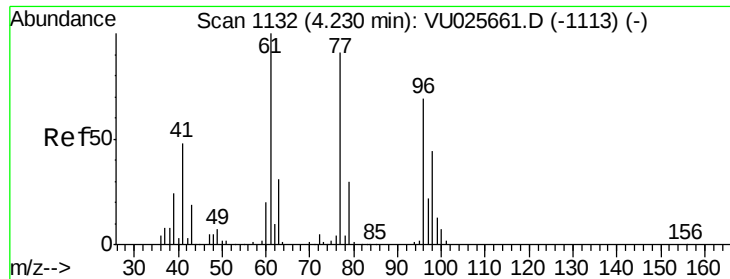
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.59 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

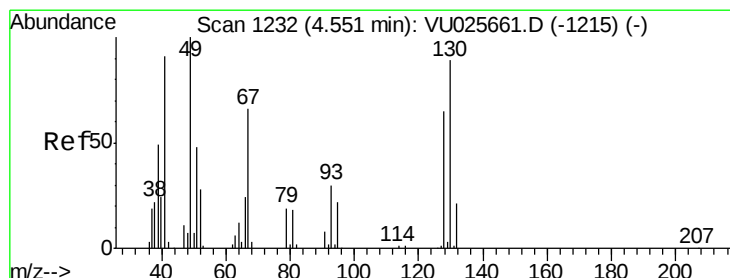
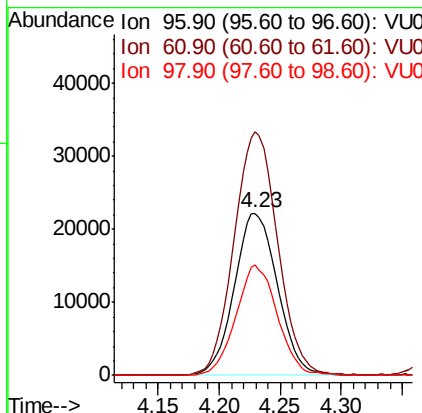
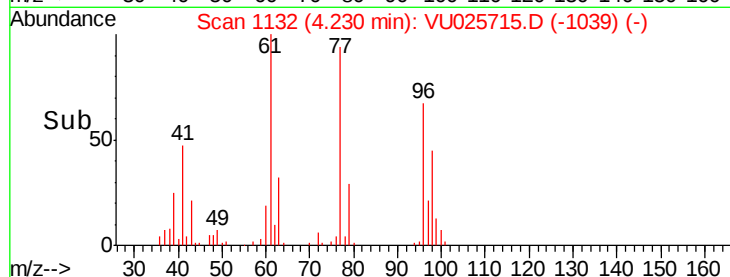
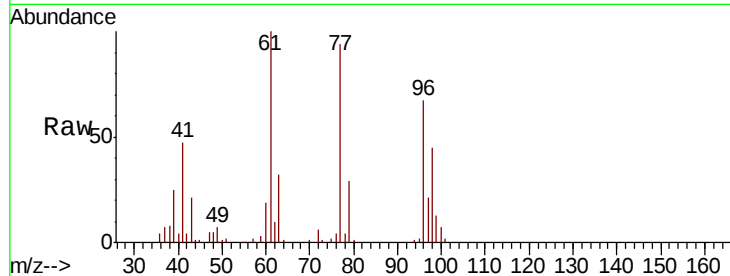
ClientSampleId :

VU0730WBS01

Tot Ion:	96	Resp:	54455
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	299.8
98	65.1	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.20 ug/l

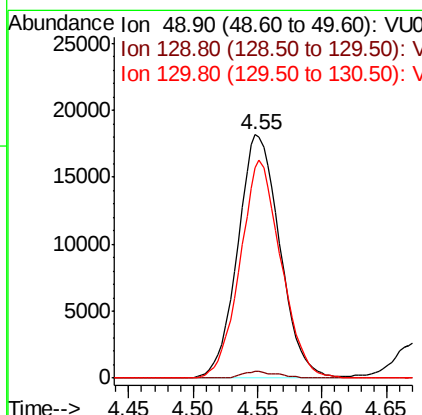
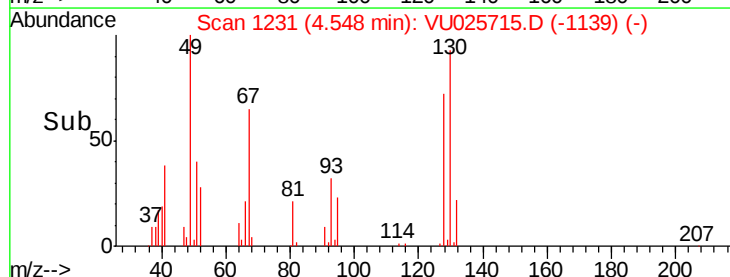
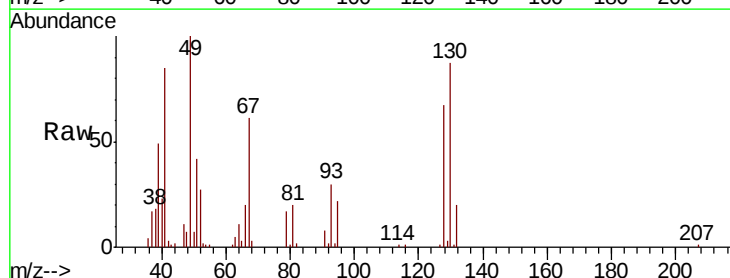
RT: 4.55 min Scan# 1231

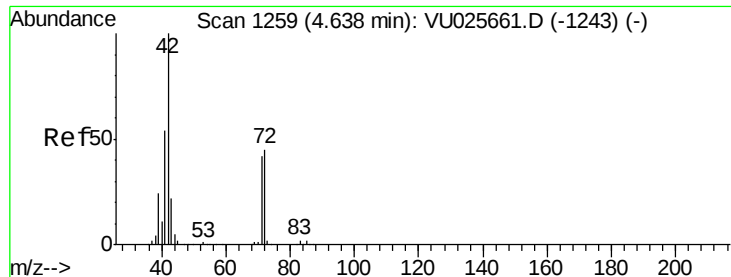
Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	49	Resp:	41303
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.0	68.6	102.8





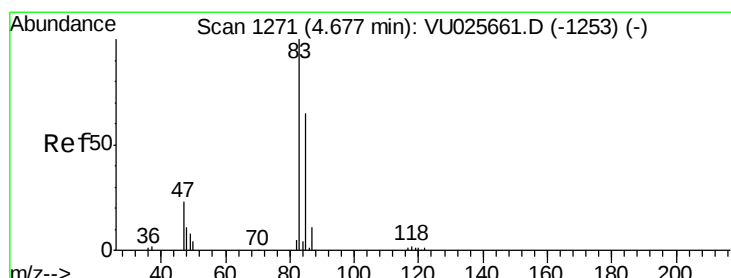
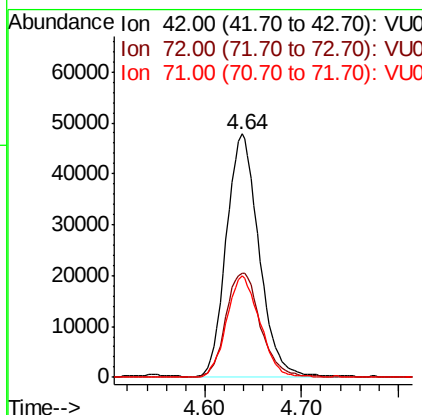
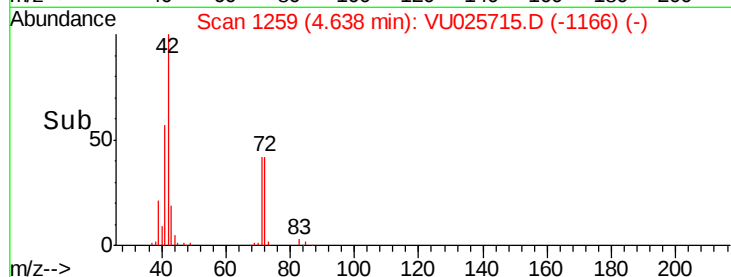
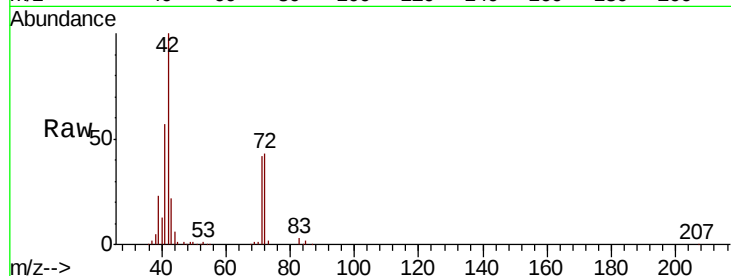
#29
Tetrahydrofuran
Concen: 90.81 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.7	55.1
71	42.1	33.9	50.9

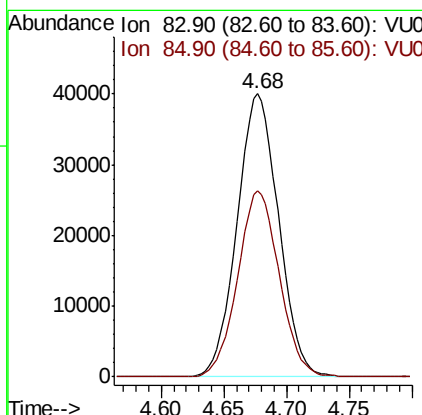
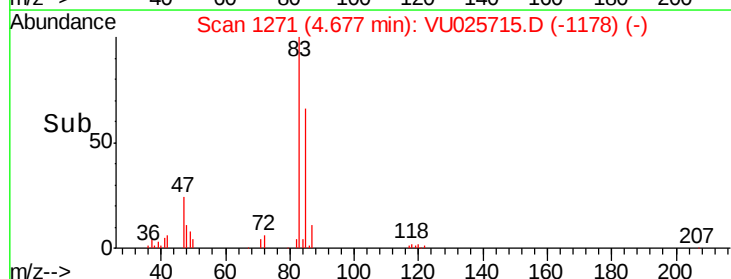
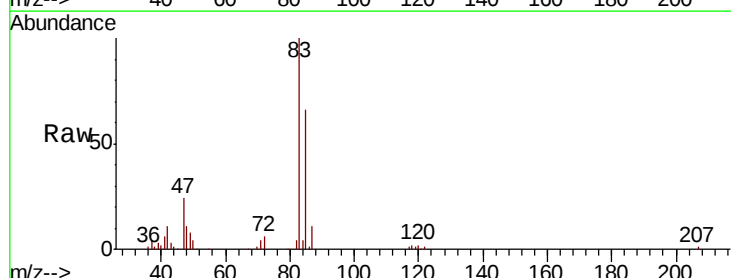
Manual Integrations
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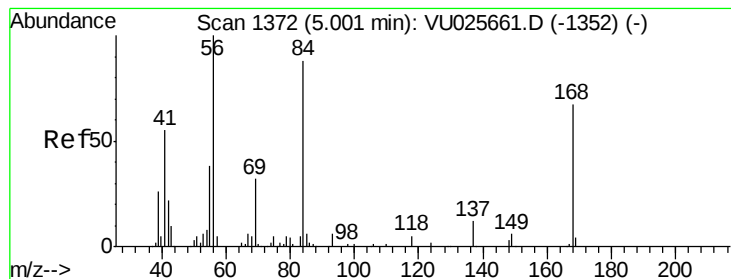
MMDadoda
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#30
Chloroform
Concen: 19.08 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





#31

Cyclohexane

Concen: 19.36 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

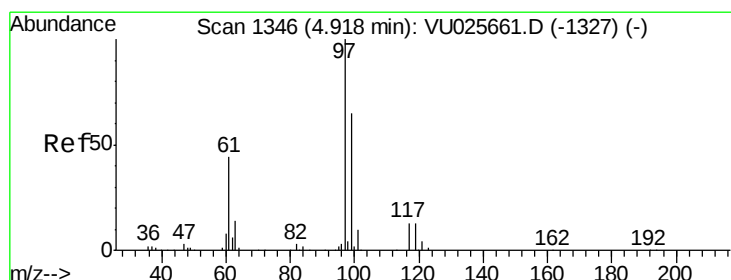
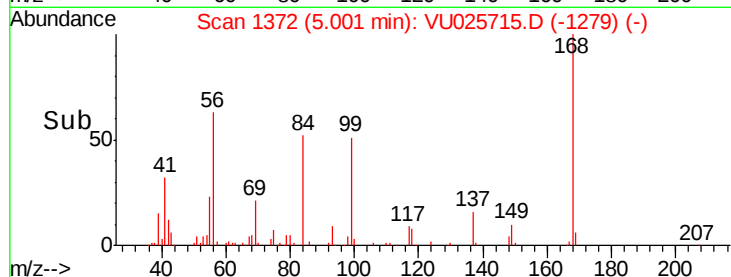
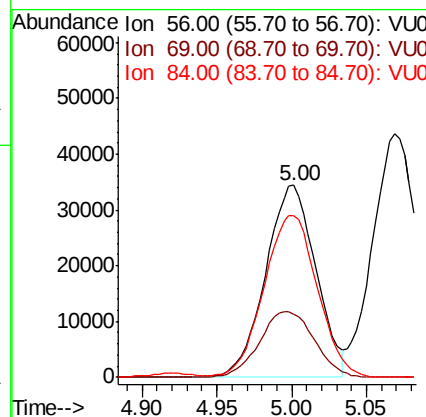
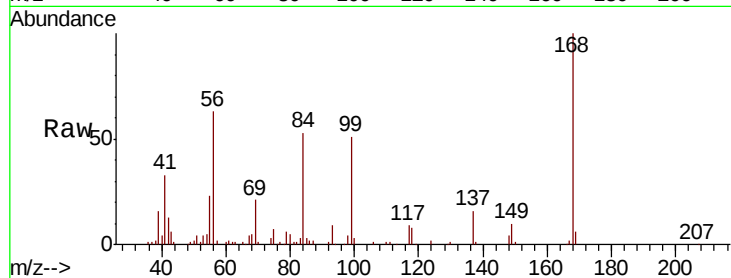
ClientSampleId :

VU0730WBS01

Tot Ion:	56	Resp:	80280
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.8	40.2
84	83.0	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.76 ug/l

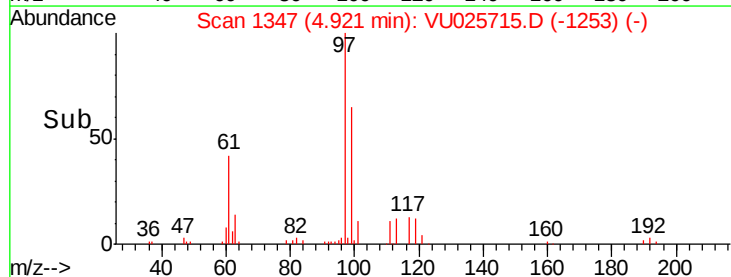
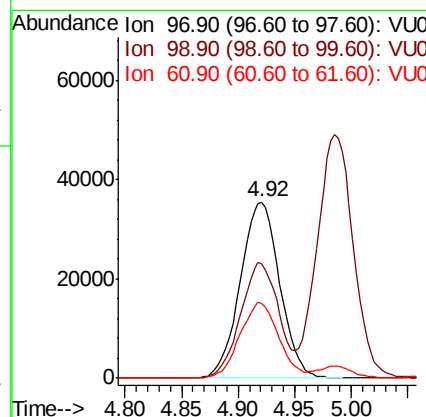
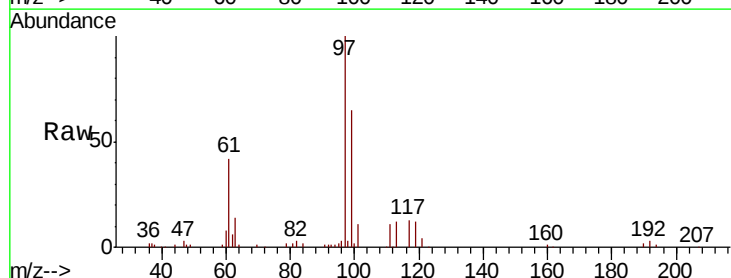
RT: 4.92 min Scan# 1347

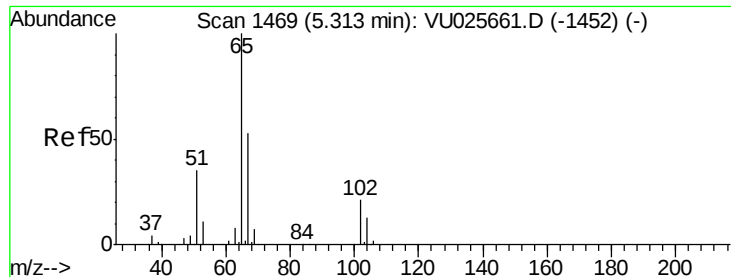
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	97	Resp:	85864
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	42.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 49.92 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 65 Resp: 155814

Ion Ratio Lower Upper

65 100

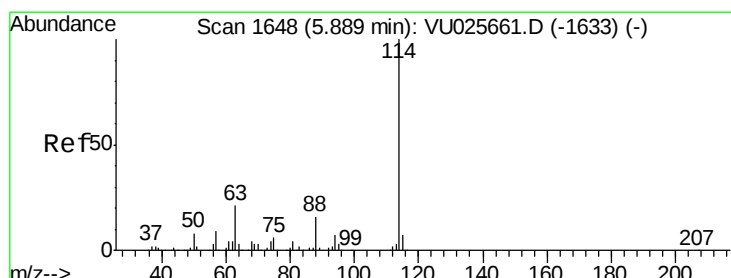
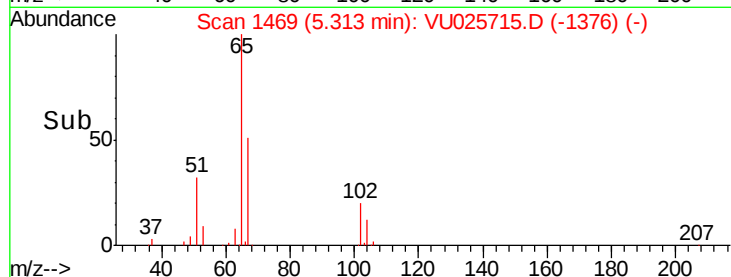
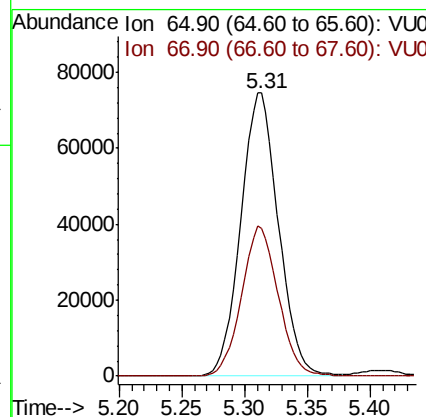
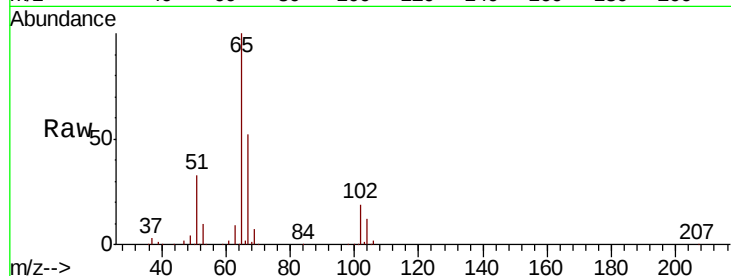
67 51.5 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

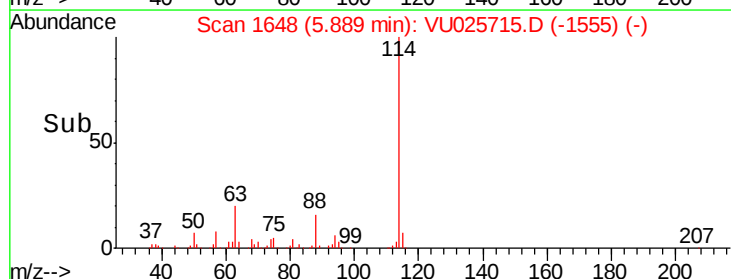
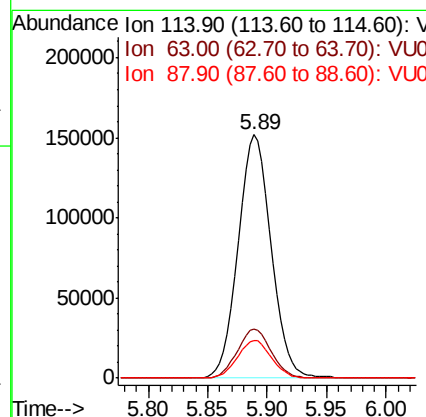
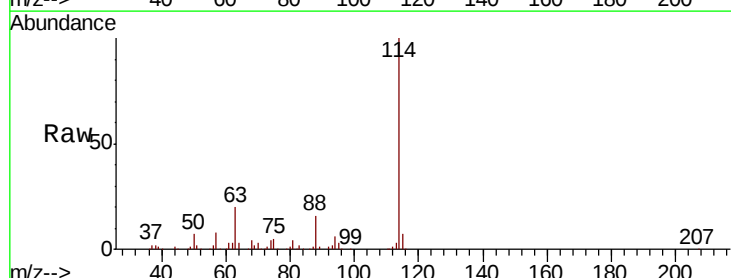
Tgt Ion: 114 Resp: 292874

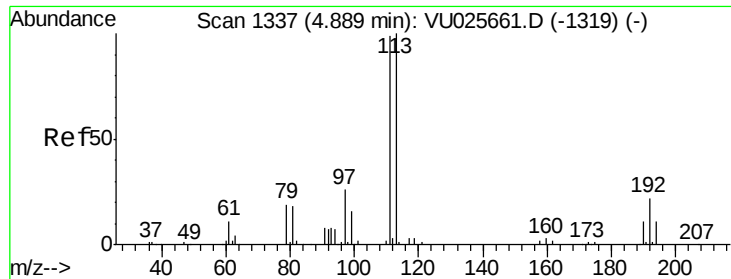
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.7 0.0 32.4





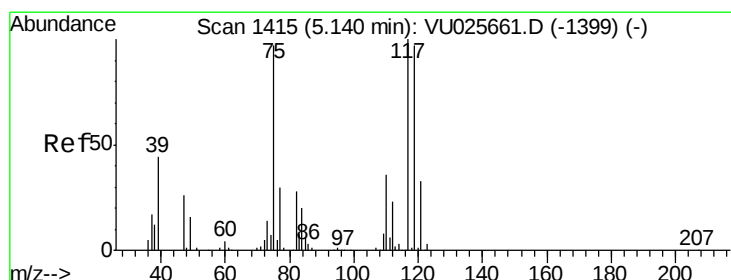
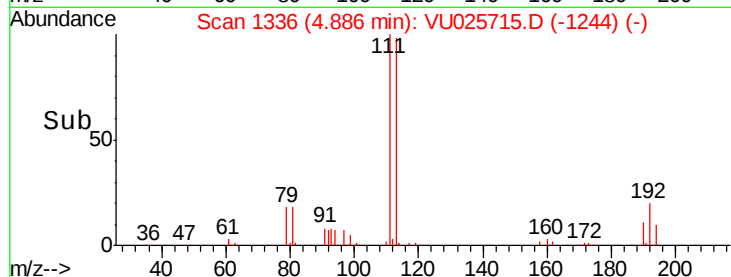
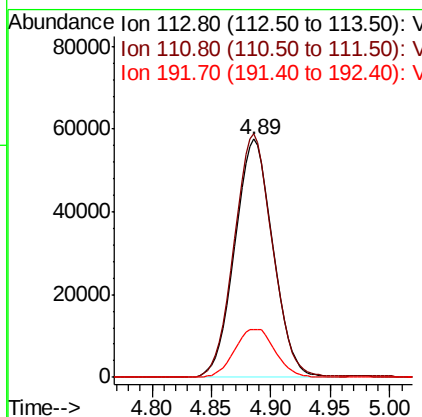
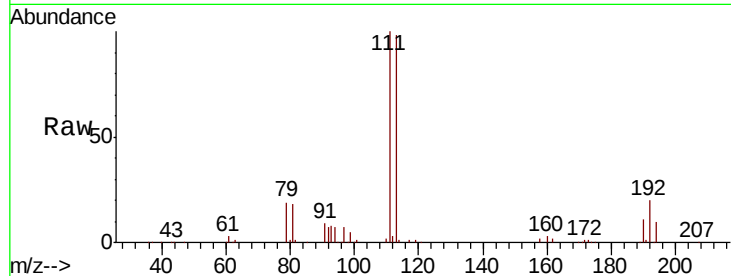
#35
 Dibromofluoromethane
 Concen: 50.31 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	21.4	17.1	25.7

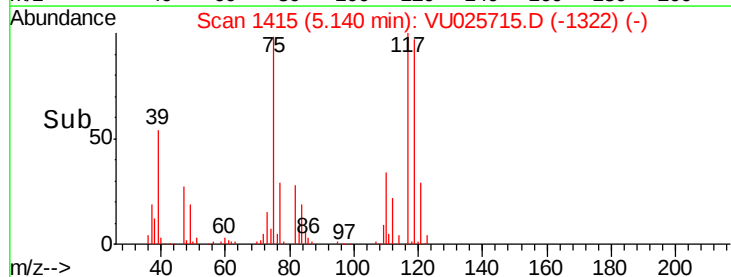
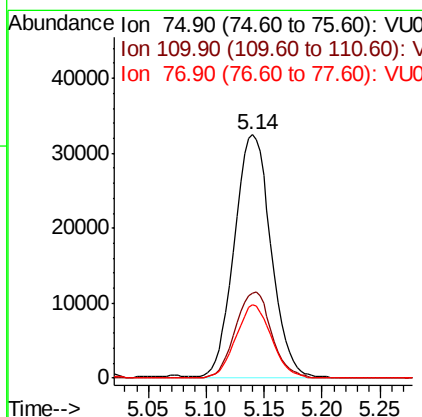
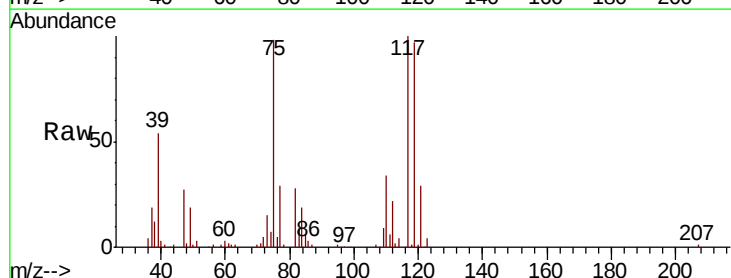
Manual Integrations
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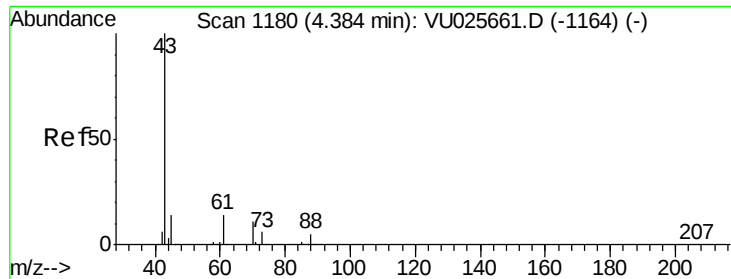
MMDadoda
 7/31/2018 1:23:22 PM



#36
 1,1-Dichloropropene
 Concen: 20.92 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	29.2	24.4	36.6





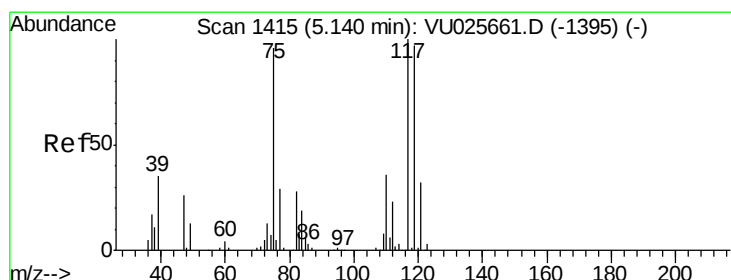
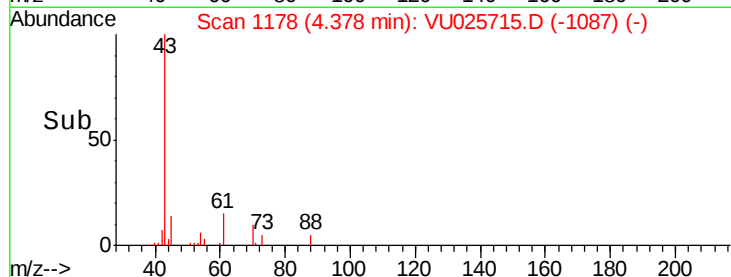
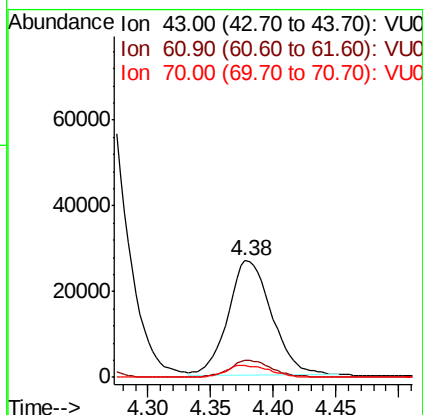
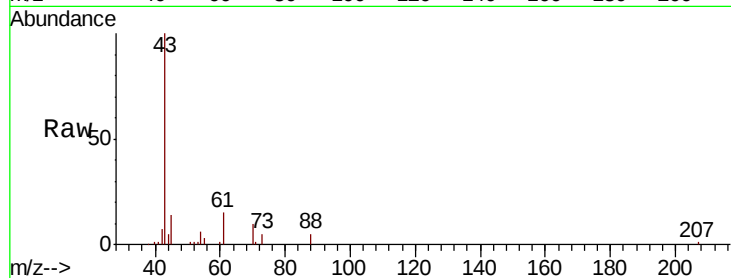
#37
Ethyl Acetate
Concen: 18.30 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.4	8.4	12.6

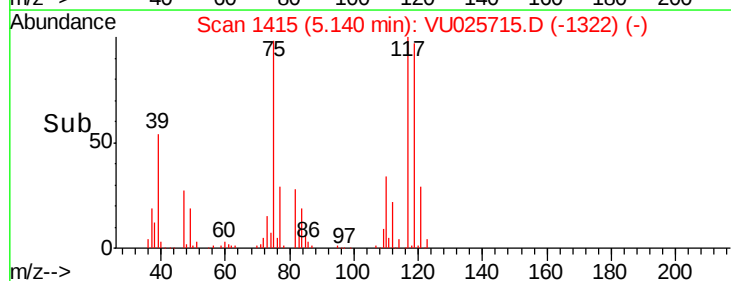
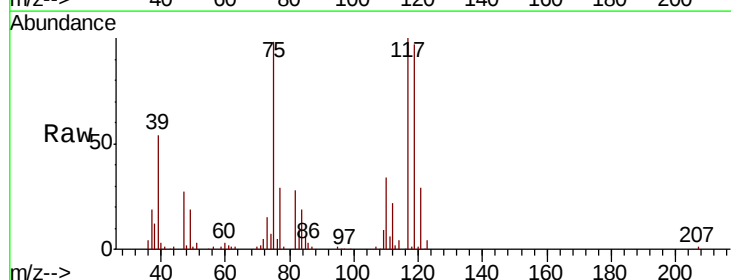
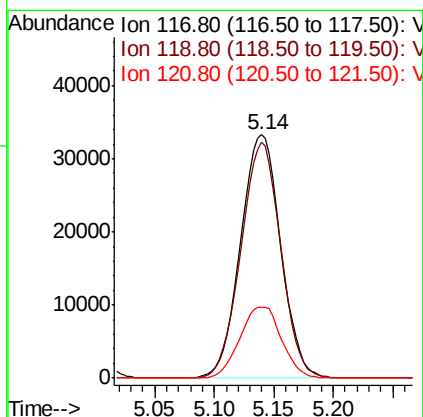
Manual Integrations
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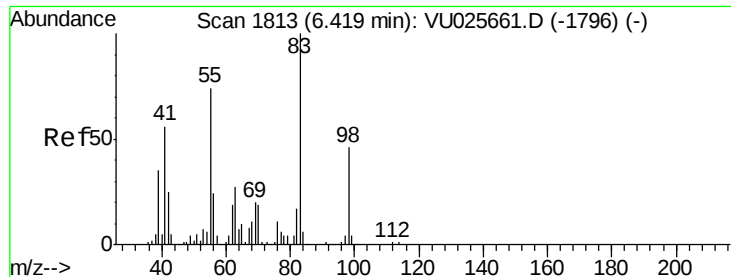
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.03 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.7	113.5
121	29.2	24.6	36.8





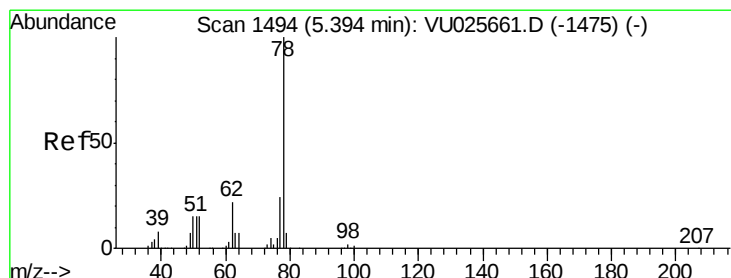
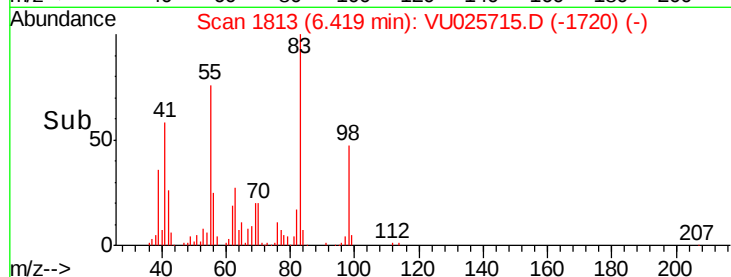
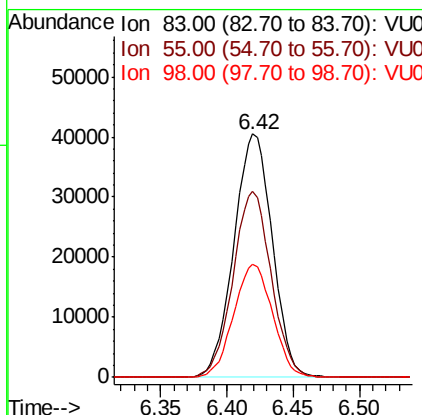
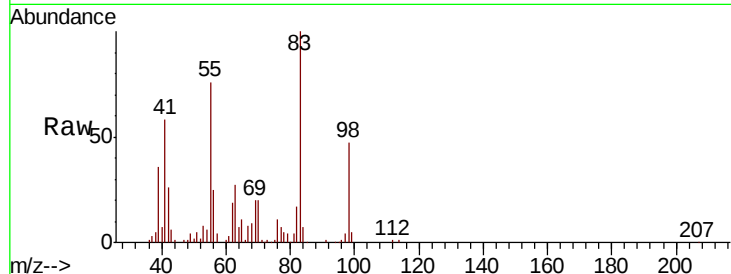
#39
Methvlcvclohexane
Concen: 20.79 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	60.0	90.0
98	46.6	36.1	54.1

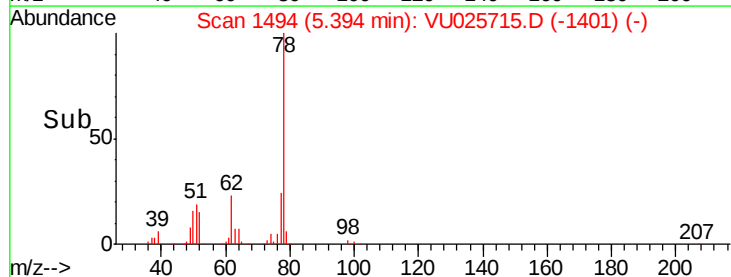
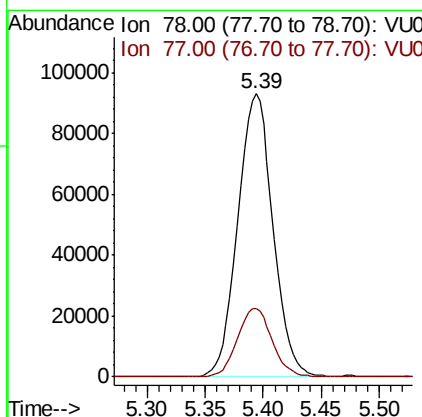
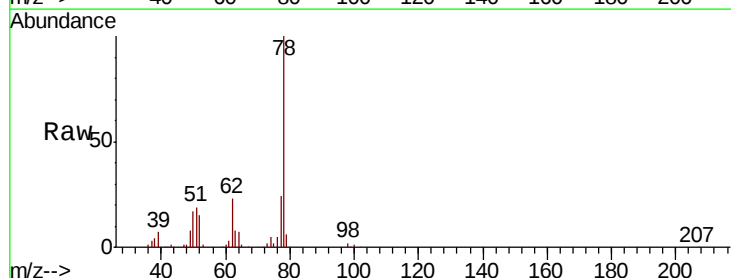
Manual Integrations
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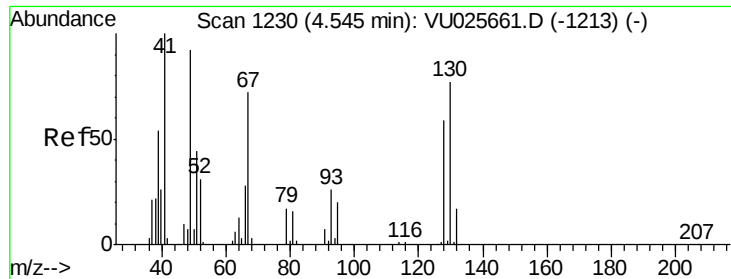
MMDadoda
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#40
Benzene
Concen: 19.62 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





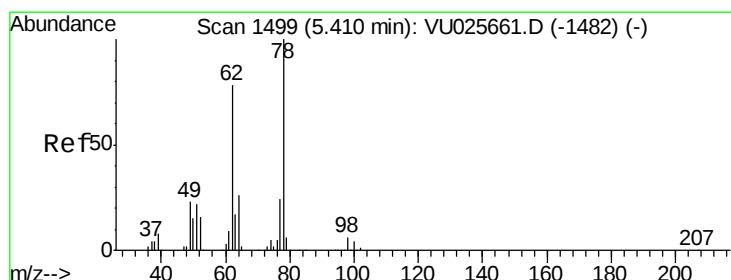
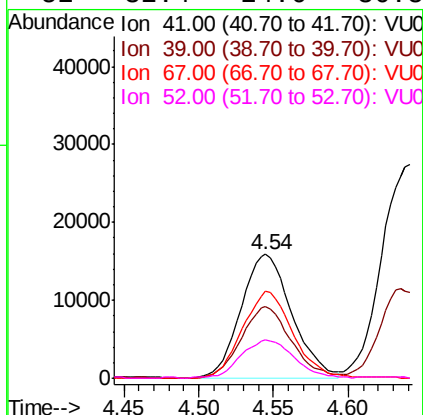
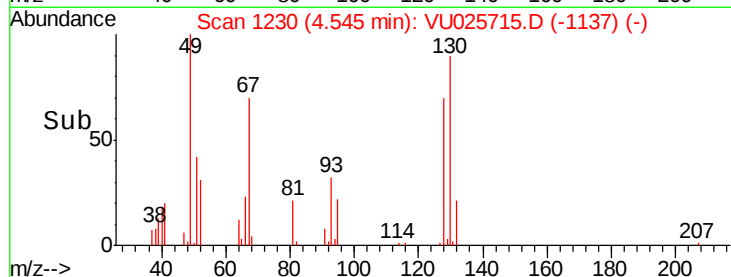
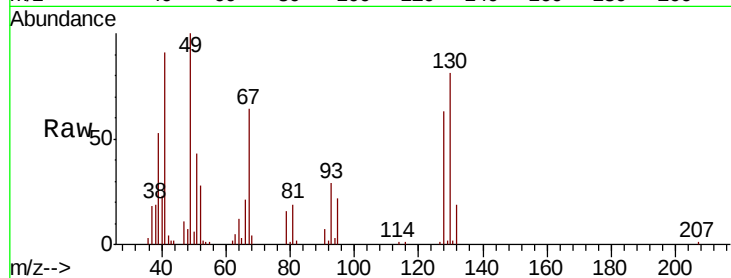
#41
Methacrylonitrile
Concen: 19.13 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.7	44.4	66.6	
67	69.4	56.0	84.0	
52	32.4	24.6	36.8	

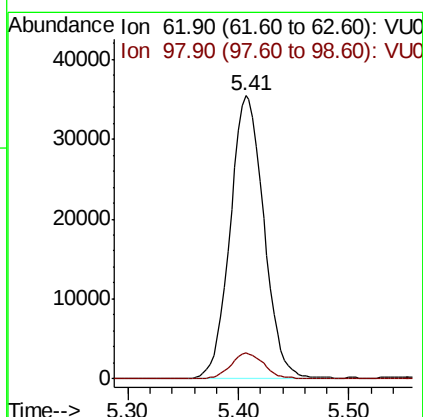
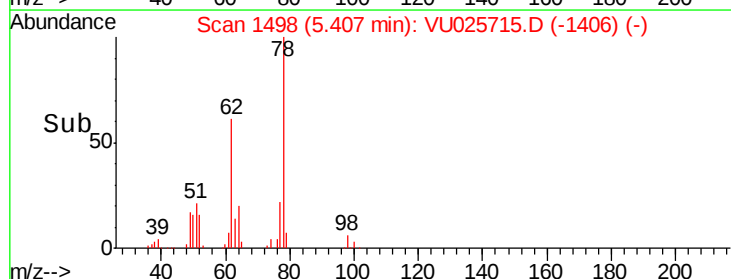
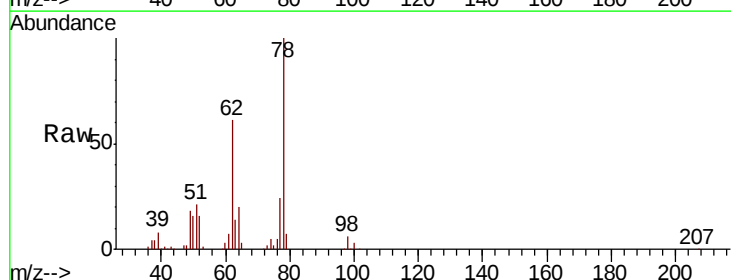
Manual Integrations
APPROVED

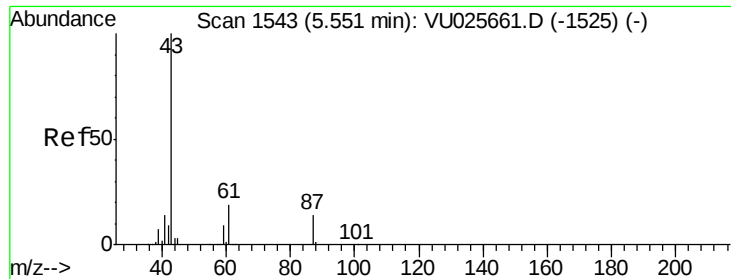
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.53 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	16.4	





#43

Isopropyl Acetate

Concen: 18.61 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

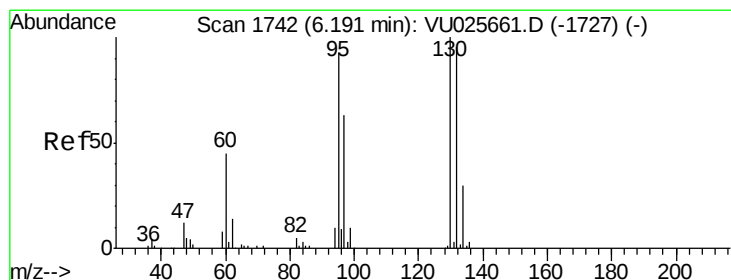
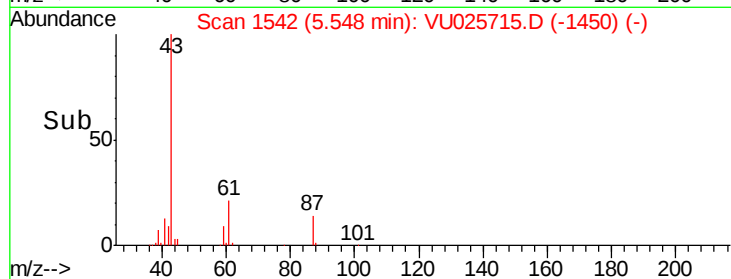
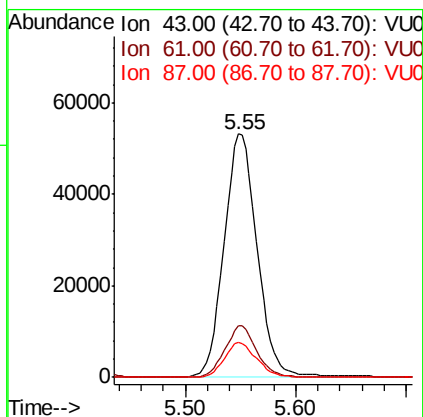
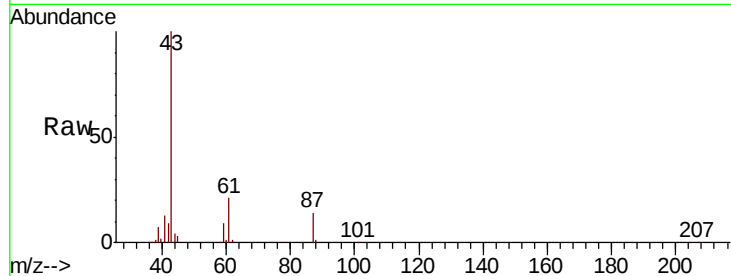
ClientSampleId :

VU0730WBS01

Tot Ion:	43	Resp:	109165
Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.5	23.3
87	14.0	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.09 ug/l

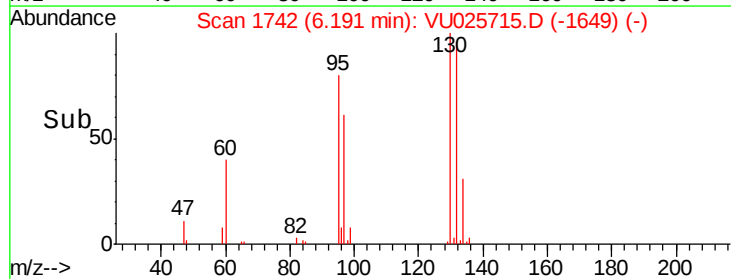
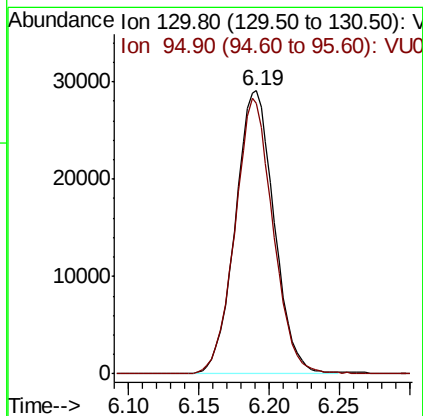
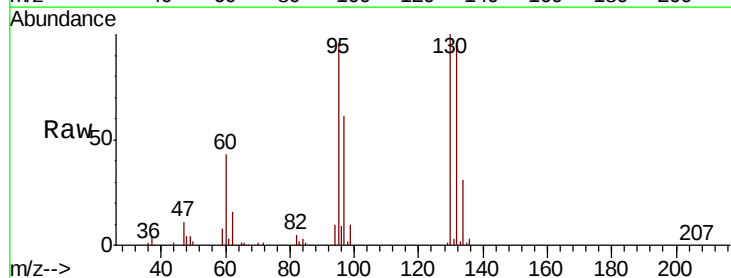
RT: 6.19 min Scan# 1742

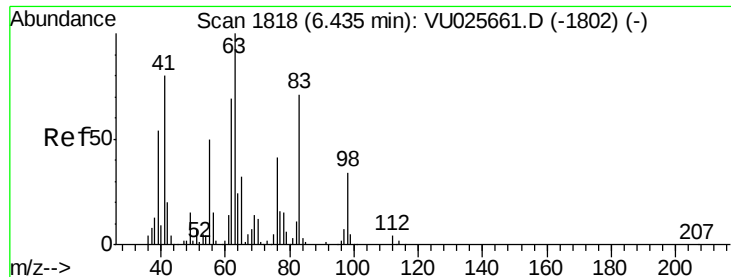
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	130	Resp:	55982
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	192.2





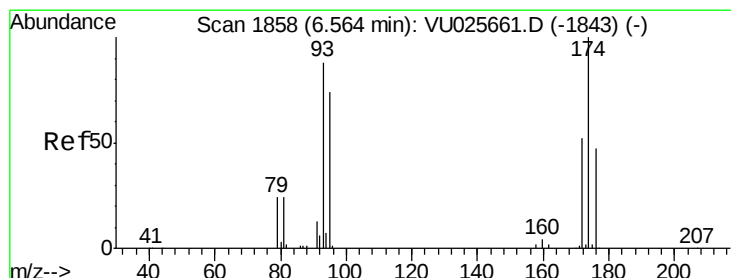
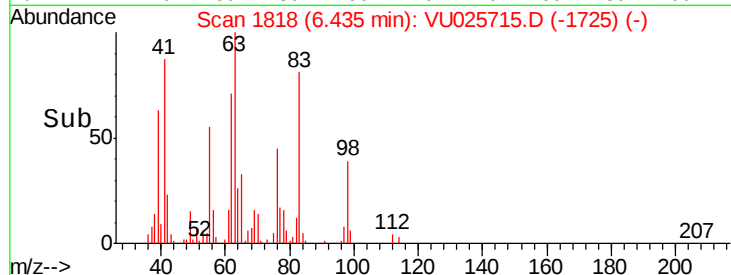
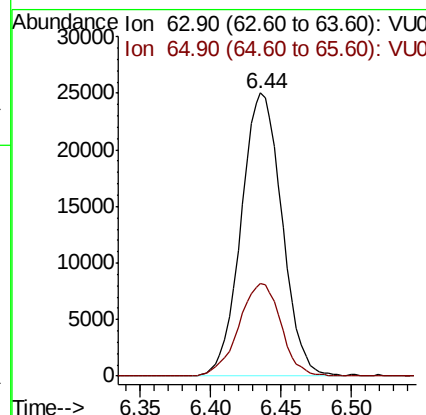
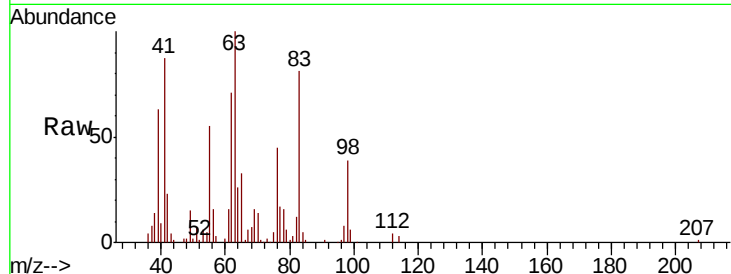
#45
 1,2-Dichloropropane
 Concen: 19.41 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion: 63 Resp: 50656
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.1 39.1

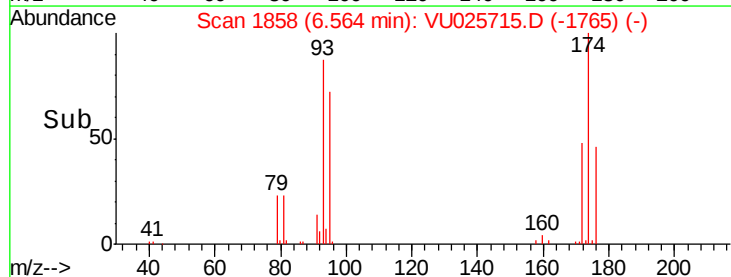
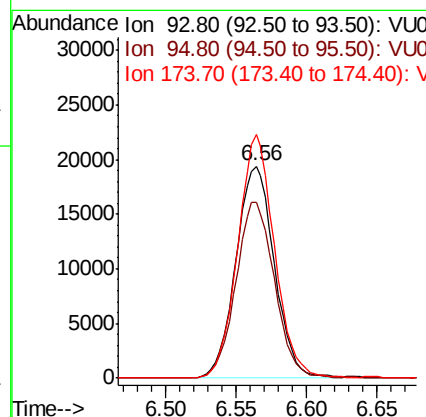
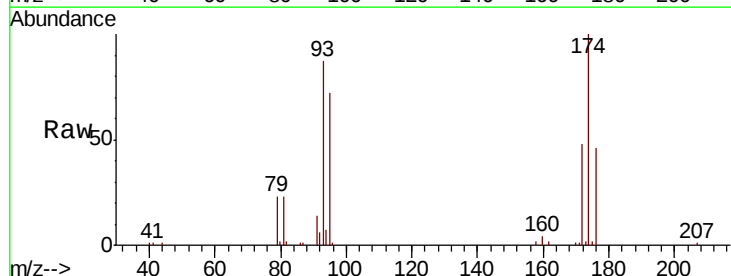
Manual Integrations
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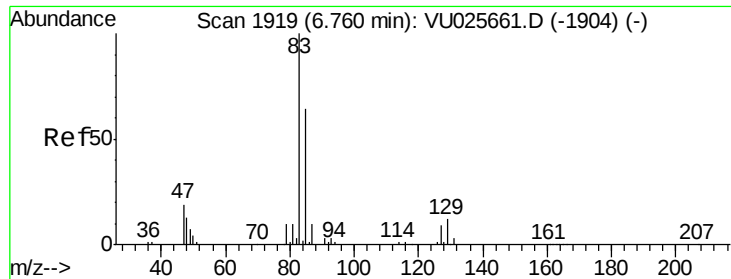
MMDadoda
 7/31/2018 1:23:22 PM



#46
 Dibromomethane
 Concen: 19.61 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion: 93 Resp: 37084
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 109.5 85.8 128.8





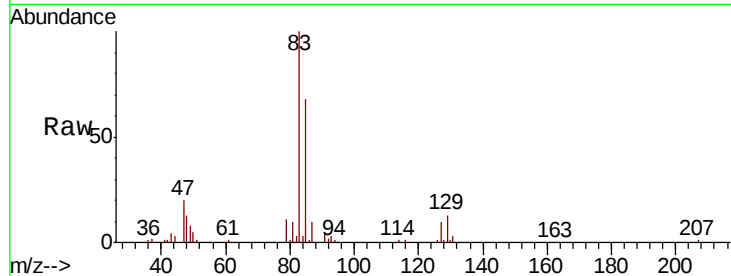
#47
Bromodichloromethane
Concen: 19.95 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.2	75.4
127	10.2	7.2	10.8

Manual Integrations
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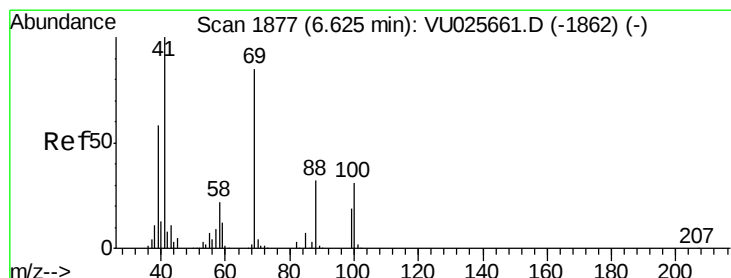
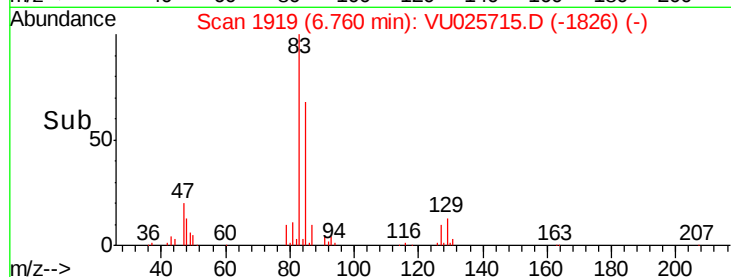
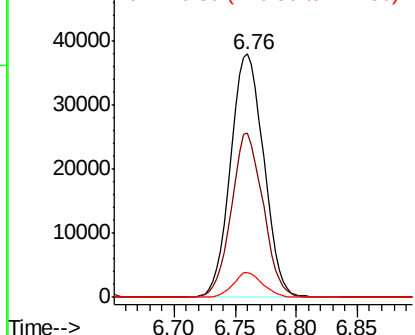


Abundance

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 19.27 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

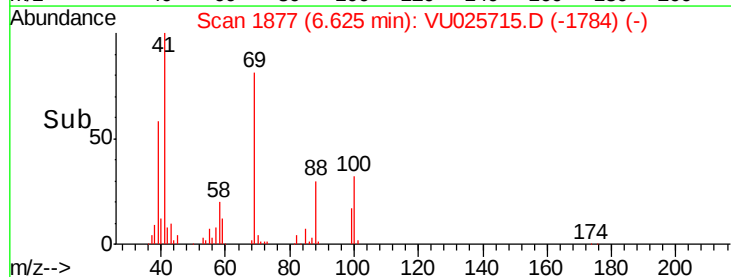
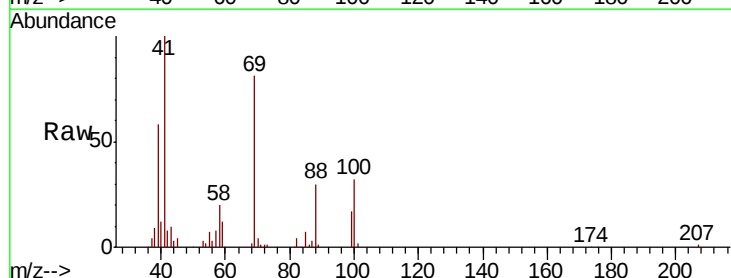
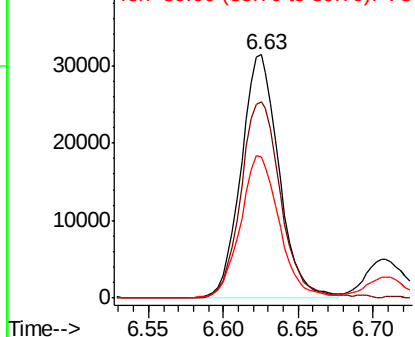
Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	65.0	97.4
39	60.0	46.4	69.6

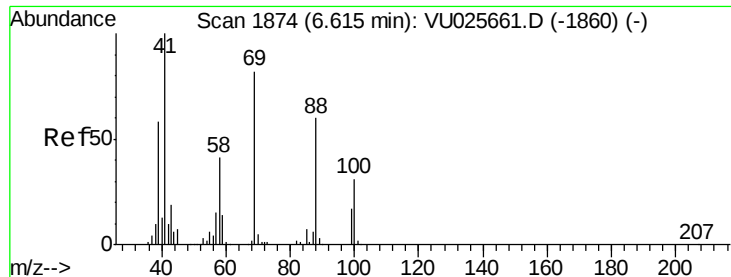
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 392.97 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

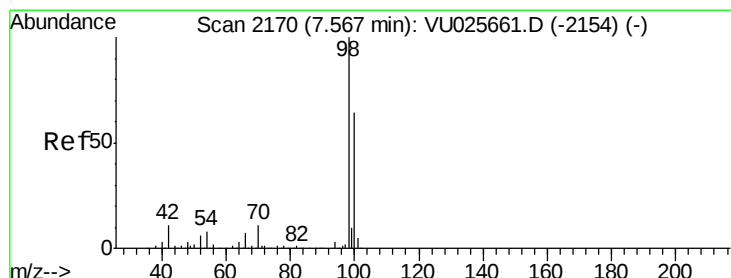
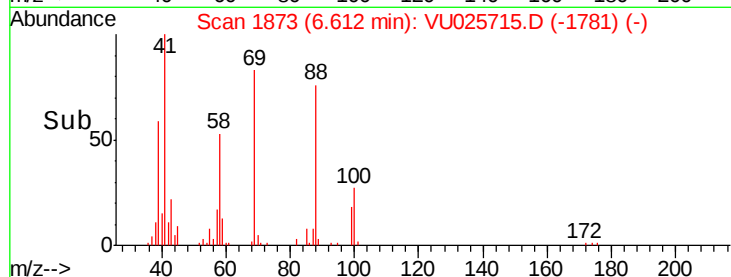
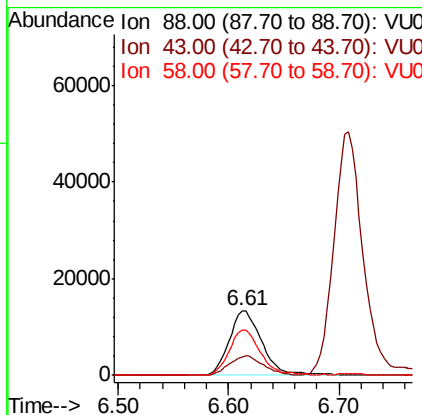
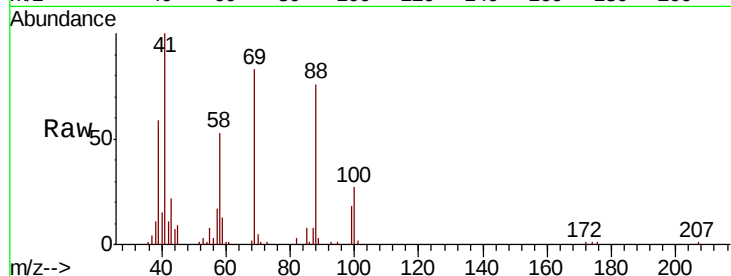
ClientSampleId :

VU0730WBS01

Tot Ion:	88	Resp:	27487
Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.3	40.9
58	67.2	57.6	86.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.42 ug/l

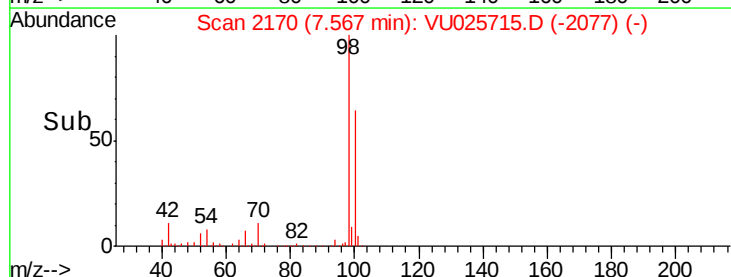
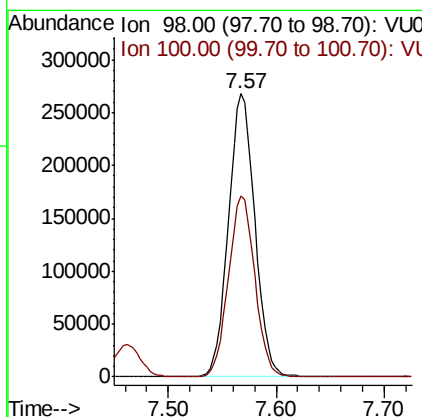
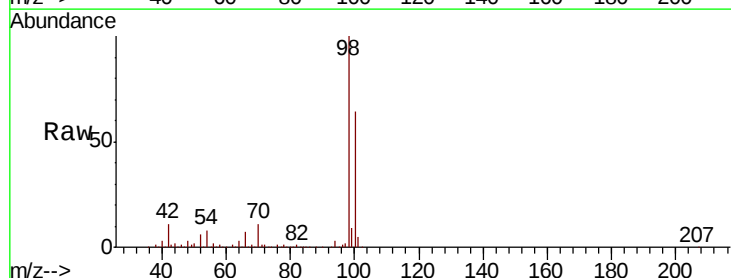
RT: 7.57 min Scan# 2170

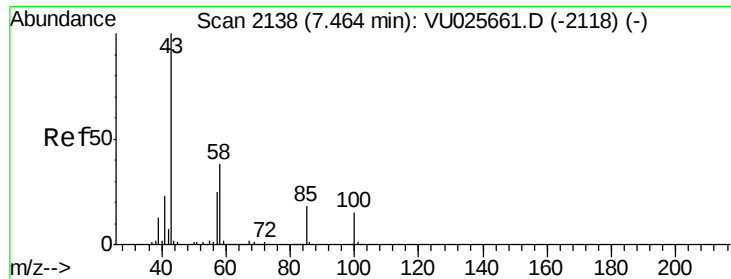
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	98	Resp:	458364
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 93.90 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 43 Resp: 344773

Ion Ratio Lower Upper

43 100

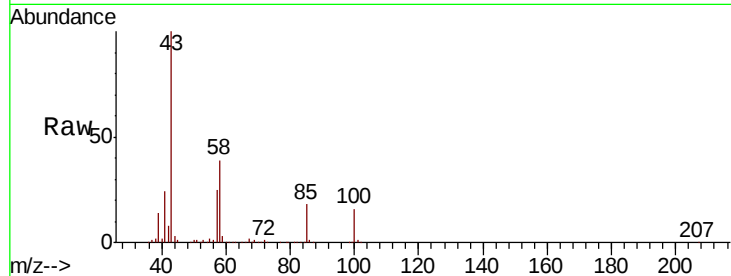
58 38.5 31.0 46.4

Manual Integrations

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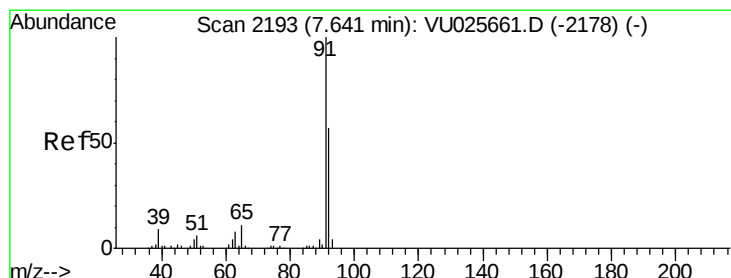
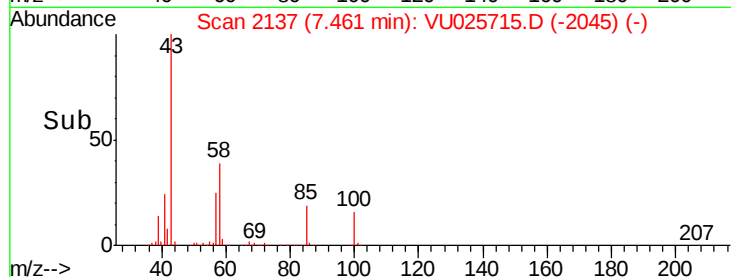
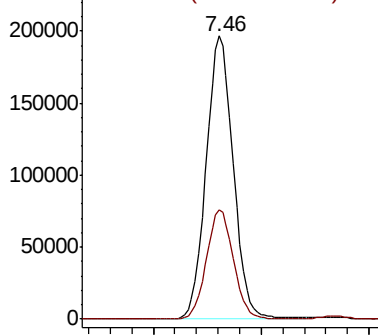
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.48 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025715.D

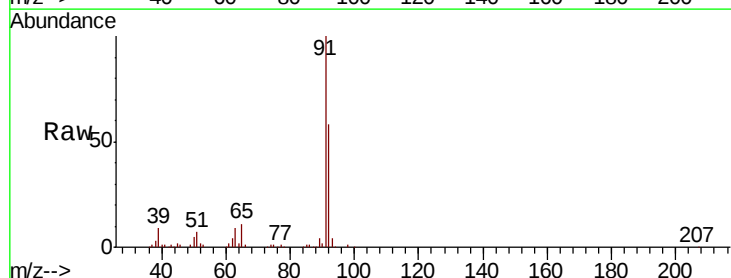
Acq: 30 Jul 2018 11:34

Tgt Ion: 92 Resp: 127282

Ion Ratio Lower Upper

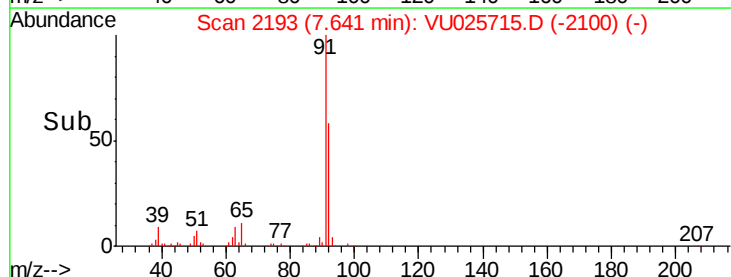
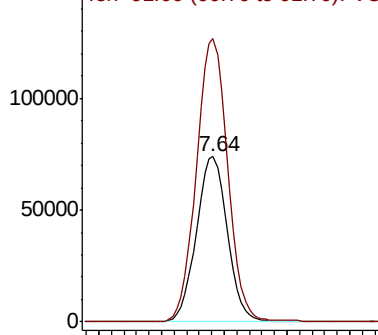
92 100

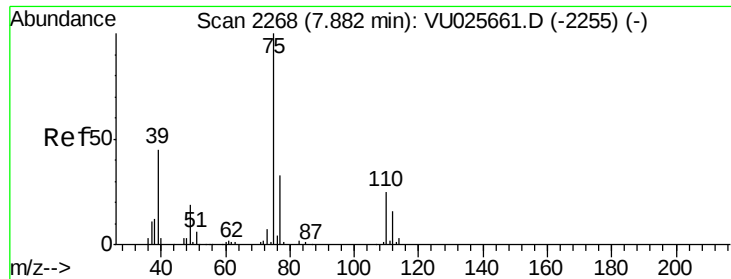
91 172.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.44 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 75 Resp: 82784

Ion Ratio Lower Upper

75 100

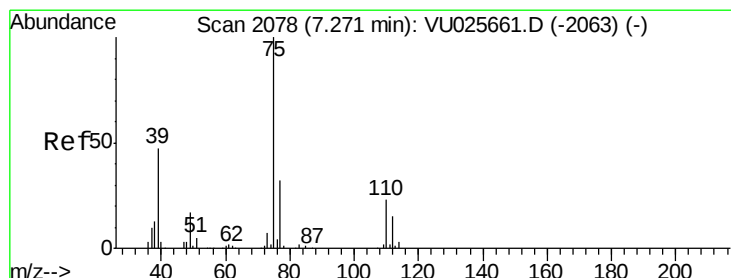
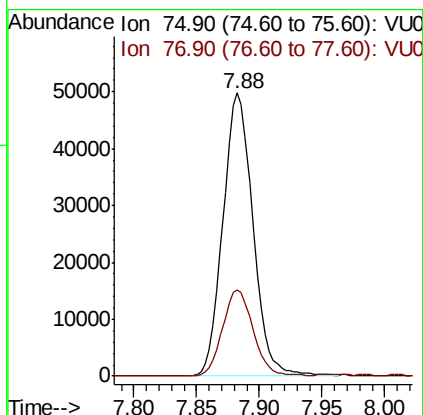
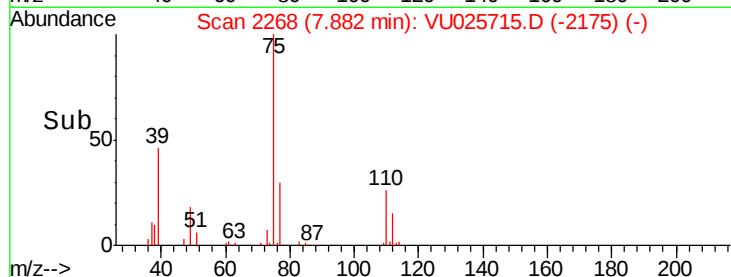
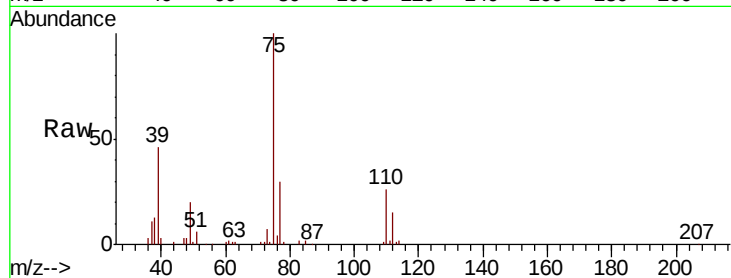
77 30.5 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.49 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

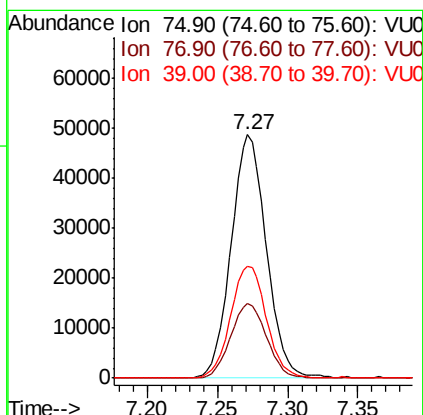
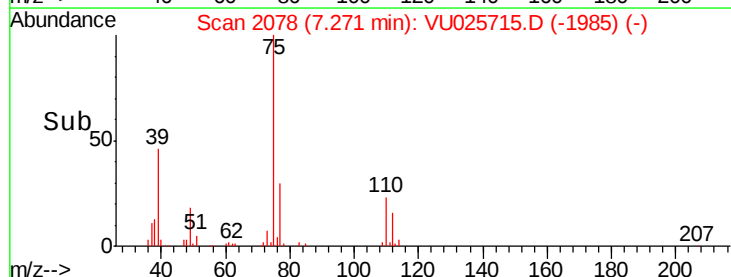
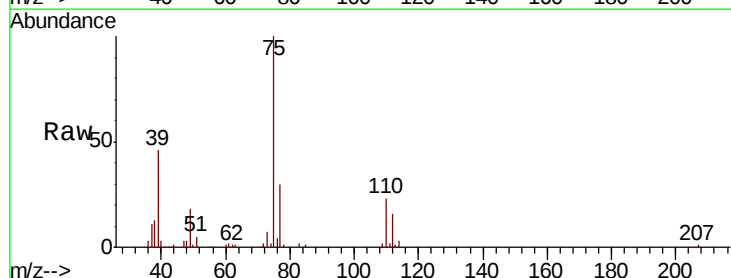
Tgt Ion: 75 Resp: 85230

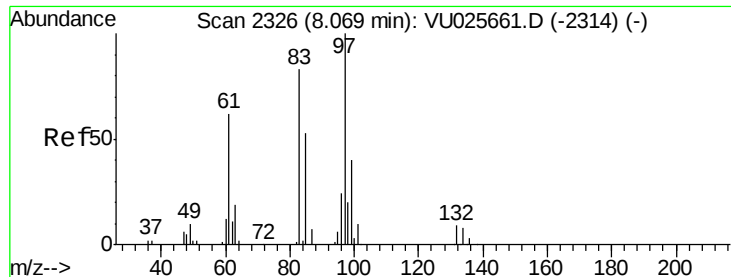
Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

39 46.0 40.0 60.0





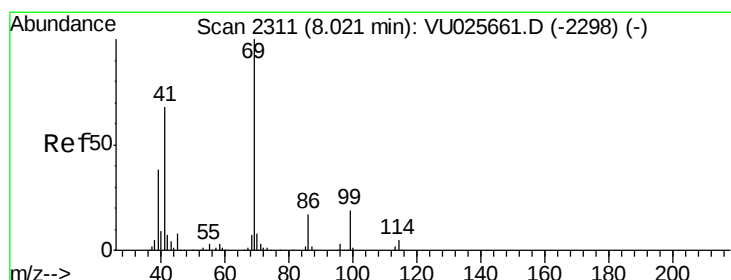
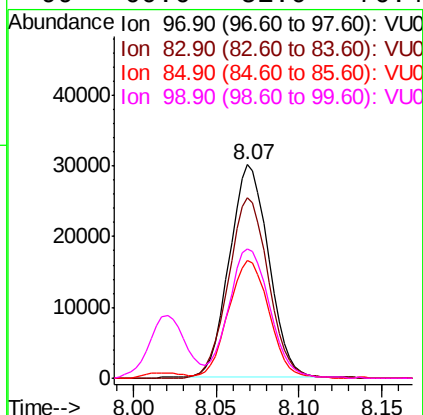
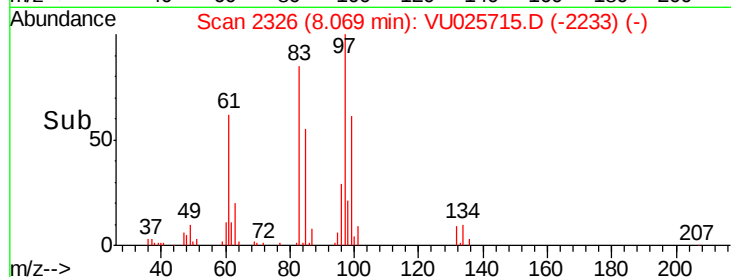
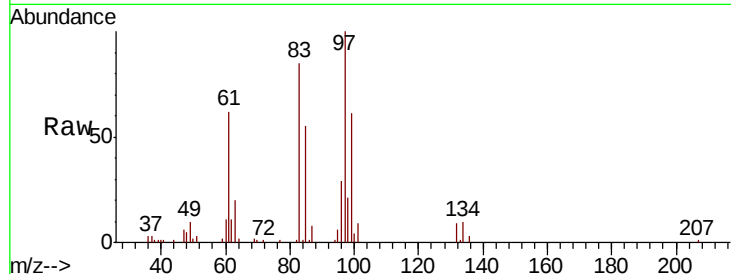
#55
 1,1,2-Trichloroethane
 Concen: 19.23 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion:	97	Resp:	49669
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.9	103.3
85	55.1	44.4	66.6
99	60.6	51.0	76.4

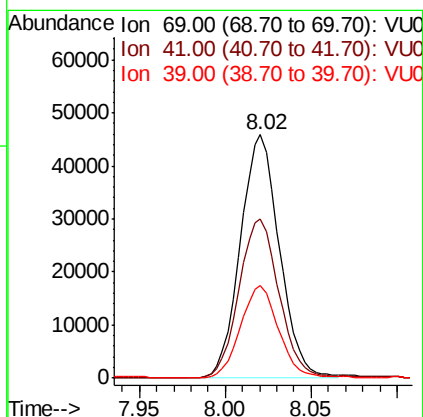
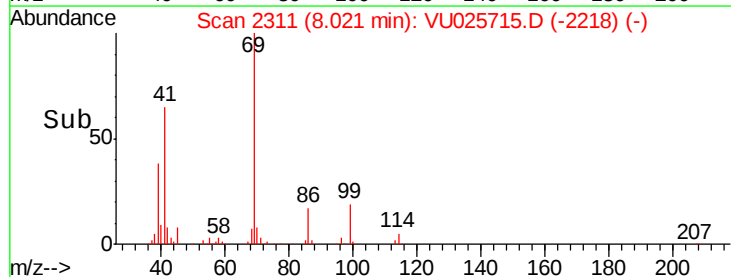
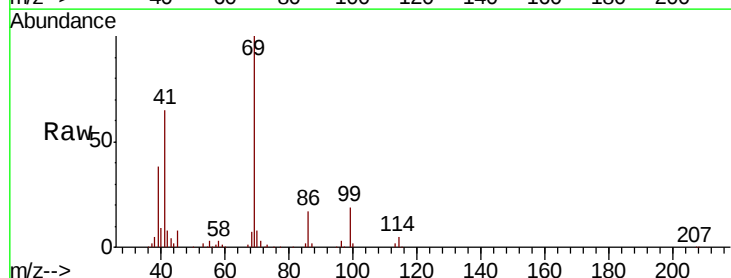
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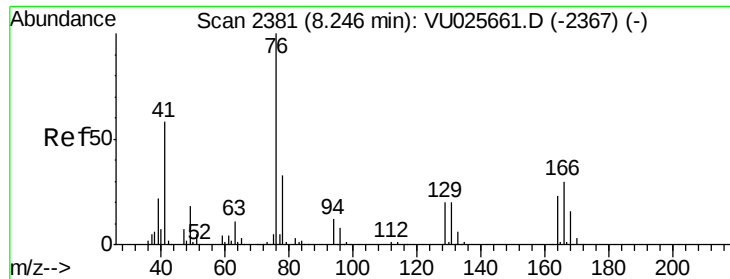
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#56
 Ethyl methacrylate
 Concen: 19.69 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion:	69	Resp:	72664
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.8	82.2
39	36.3	31.1	46.7





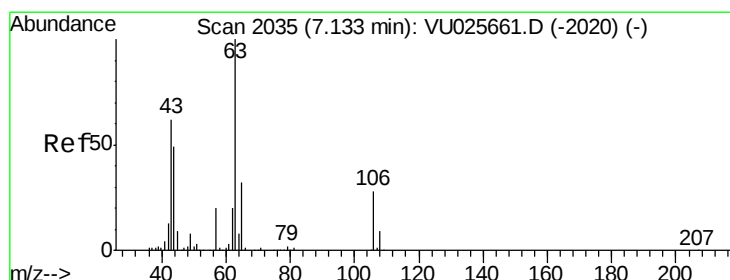
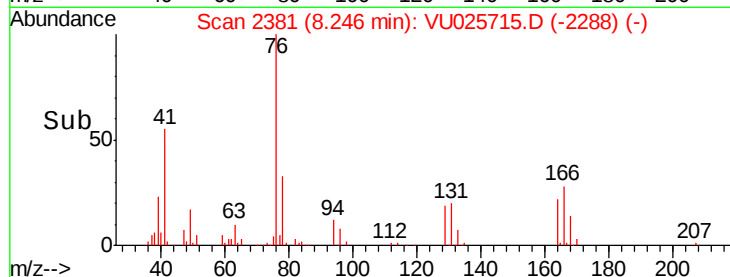
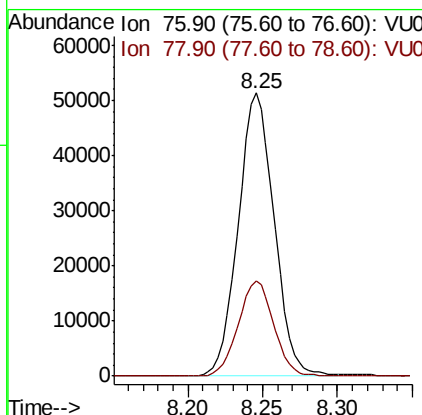
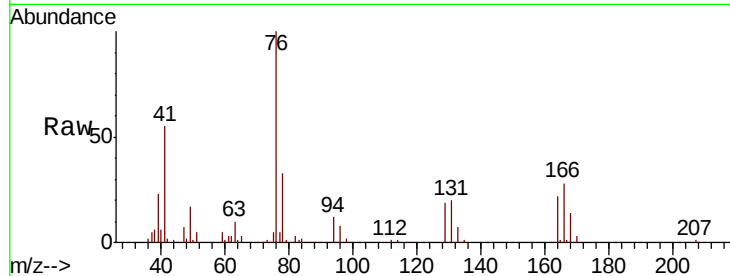
#57
 1,3-Dichloropropane
 Concen: 19.79 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion: 76 Resp: 85961
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.1 39.1

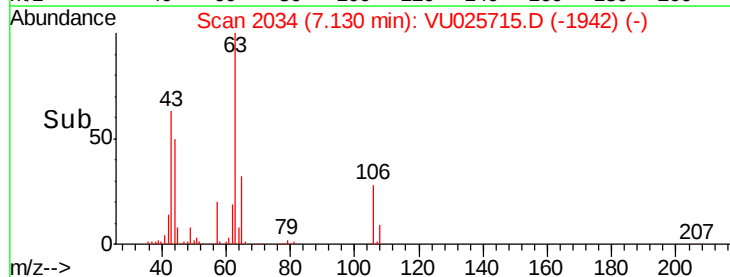
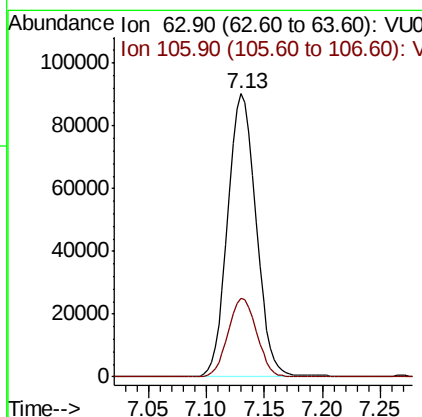
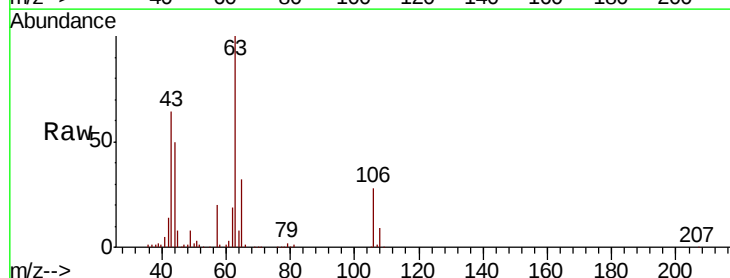
Manual Integrations
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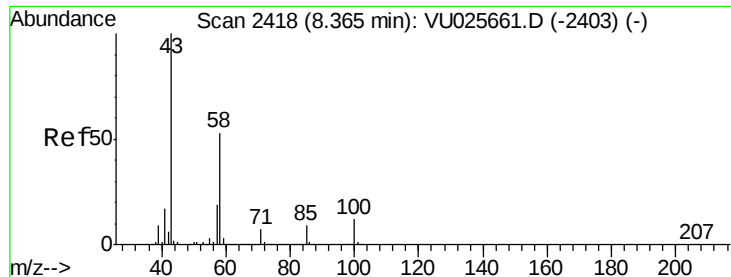
MMDadoda
 7/31/2018 1:23:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.18 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion: 63 Resp: 153254
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.3 33.5





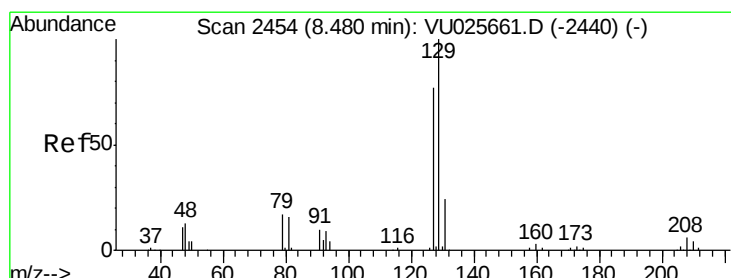
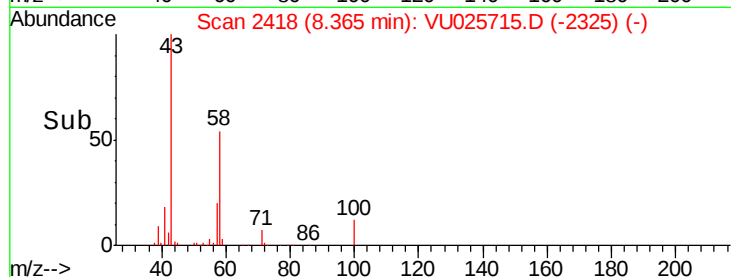
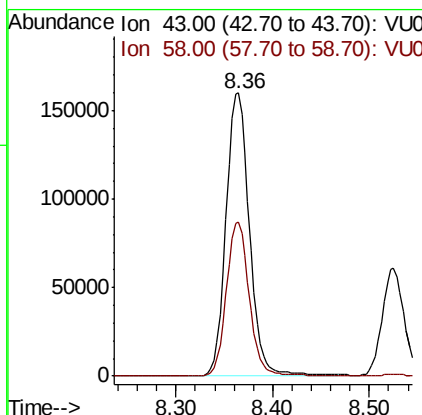
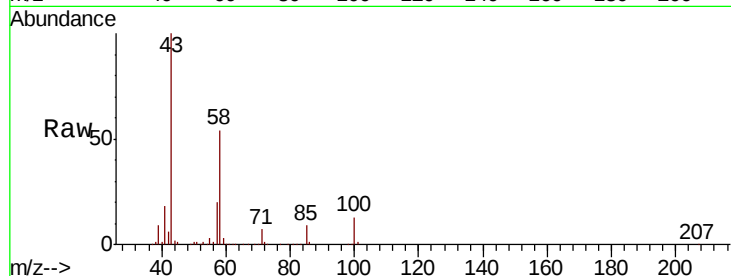
#59
2-Hexanone
Concen: 93.79 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	43	Resp	269948
Ion Ratio	43	100	
Lower	58	53.2	26.2
Upper			78.5

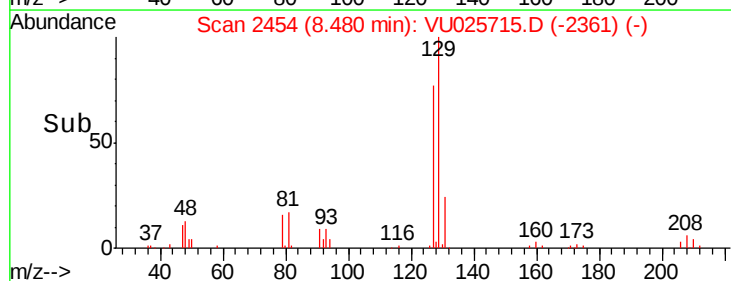
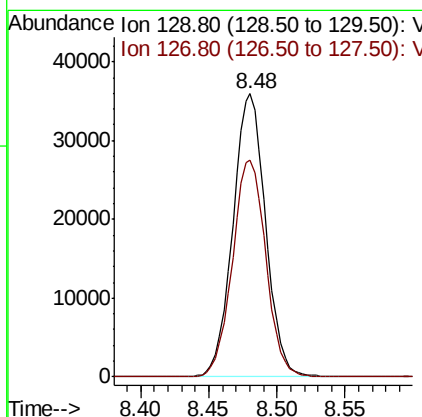
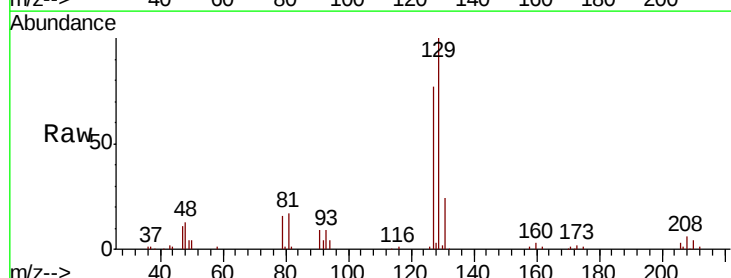
Manual Integrations
APPROVED

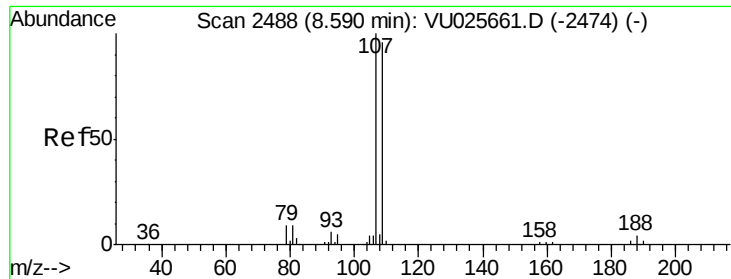
MMDadoda
7/31/2018 1:23:22 PM



#60
Dibromochloromethane
Concen: 19.61 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	129	Resp	59738
Ion Ratio	129	100	
Lower	127	78.0	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 19.48 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:107 Resp: 55960

Ion Ratio Lower Upper

107 100

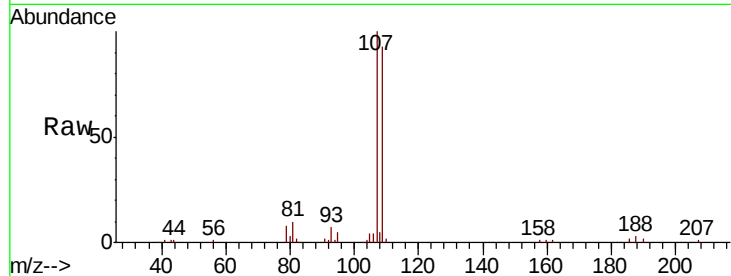
109 96.7 75.8 113.8

Manual Integrations

APPROVED

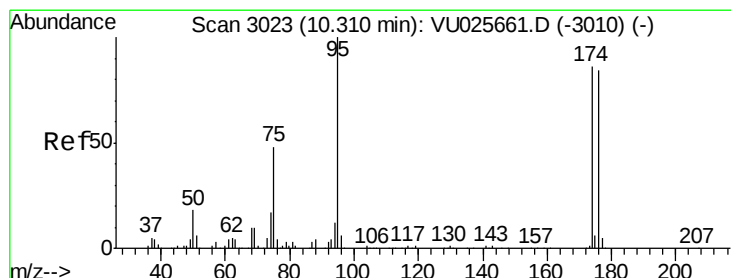
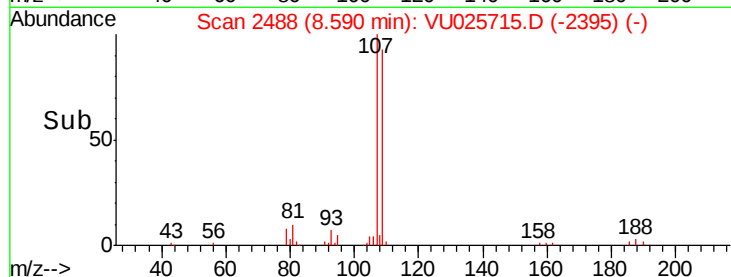
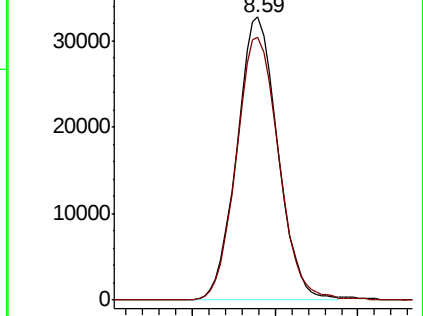
MMDadoda

7/31/2018 1:23:22 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.40 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

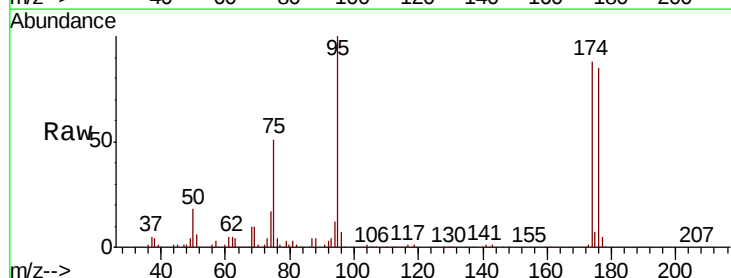
Tgt Ion: 95 Resp: 177819

Ion Ratio Lower Upper

95 100

174 88.1 0.0 172.2

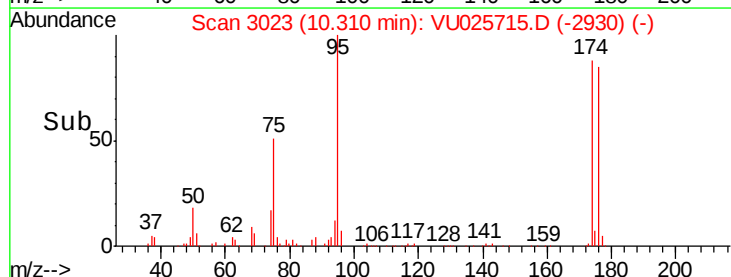
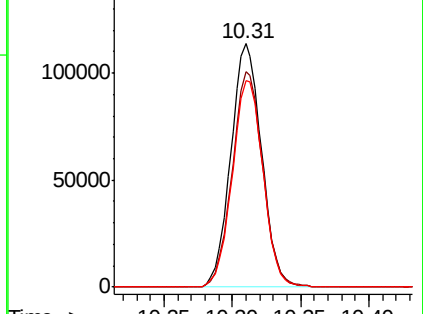
176 85.1 0.0 162.6

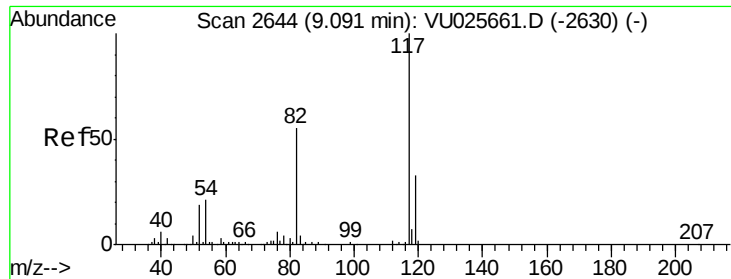


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





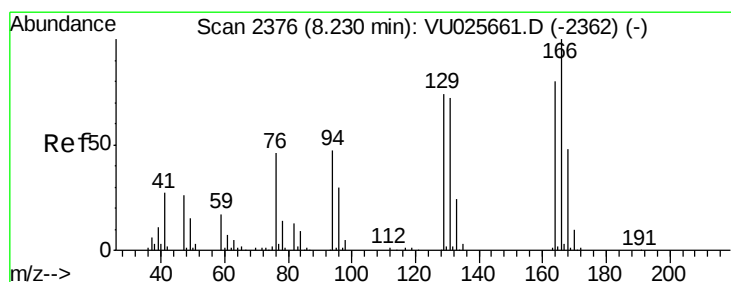
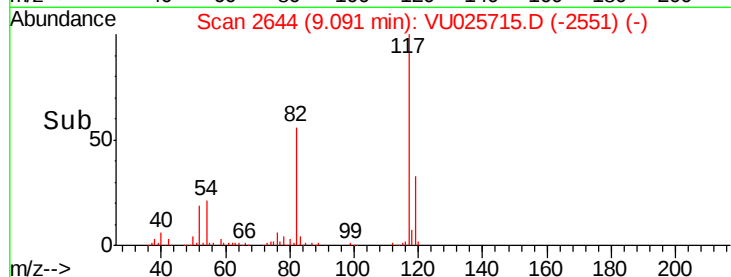
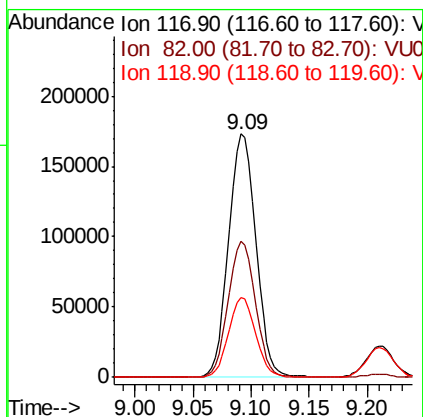
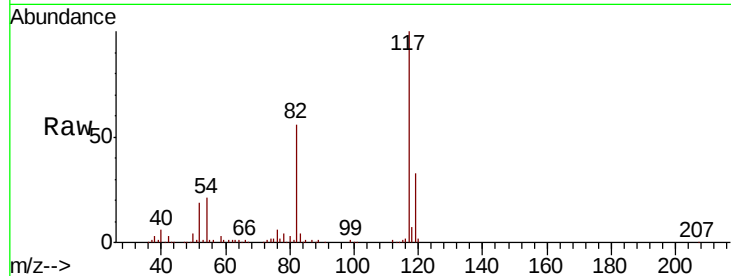
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282642		
82	55.7	46.0	69.0	
119	33.0	26.0	39.0	

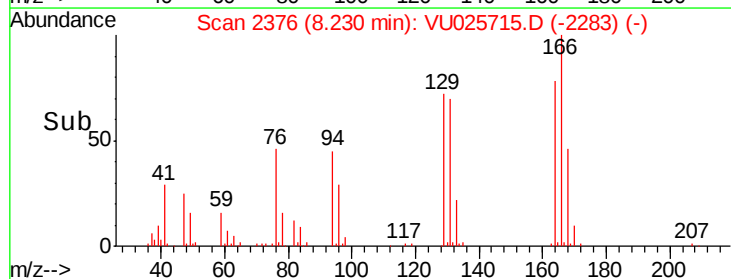
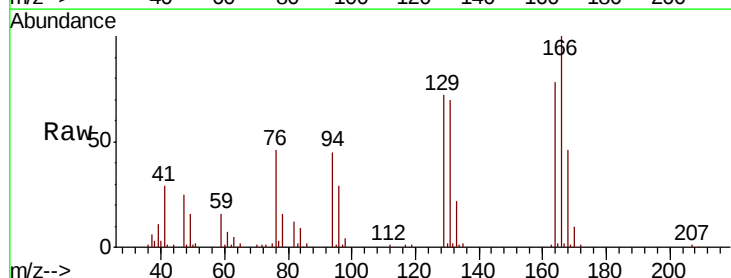
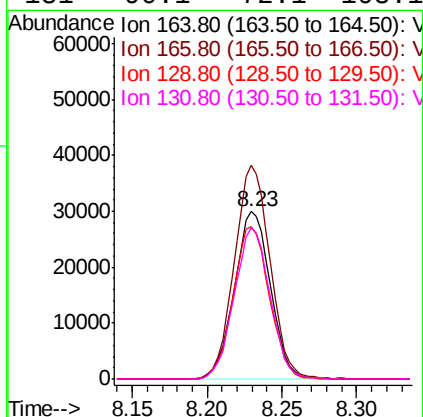
Manual Integrations
APPROVED

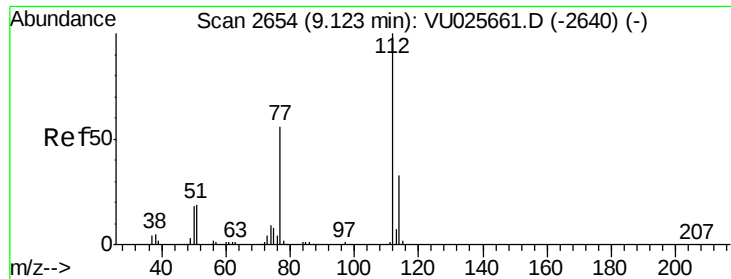
MMDadoda
7/31/2018 1:23:22 PM



#64
Tetrachloroethene
Concen: 20.14 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50101		
166	127.8	101.1	151.7	
129	91.6	73.0	109.6	
131	90.1	72.1	108.1	





#65

Chlorobenzene

Concen: 19.72 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:112 Resp: 143685

Ion Ratio Lower Upper

112 100

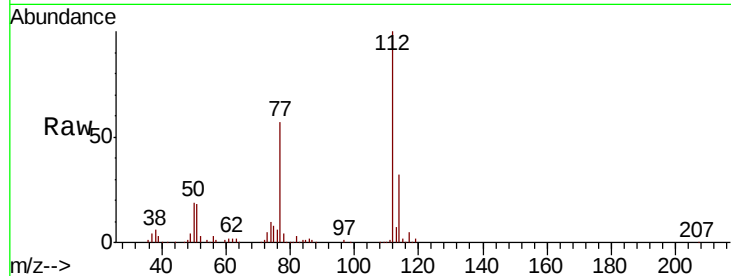
114 31.7 25.8 38.8

Manual Integrations

APPROVED

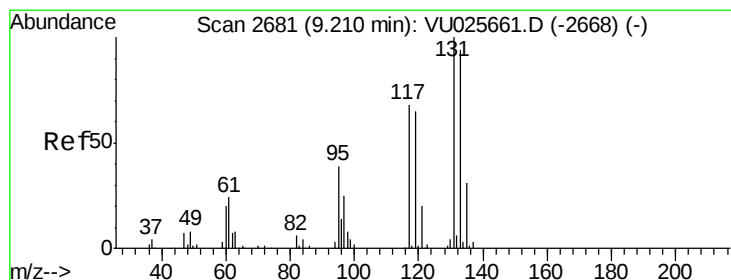
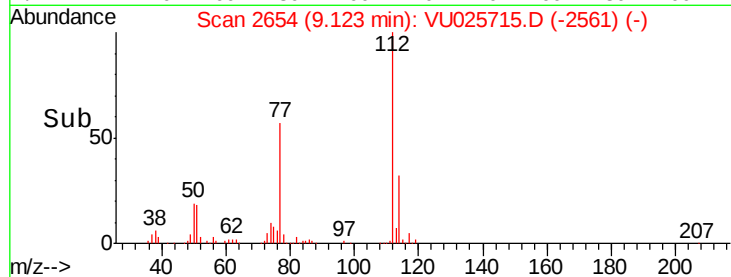
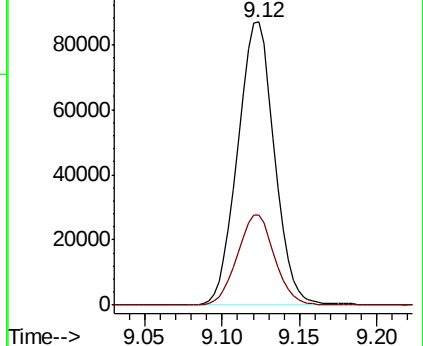
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.52 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

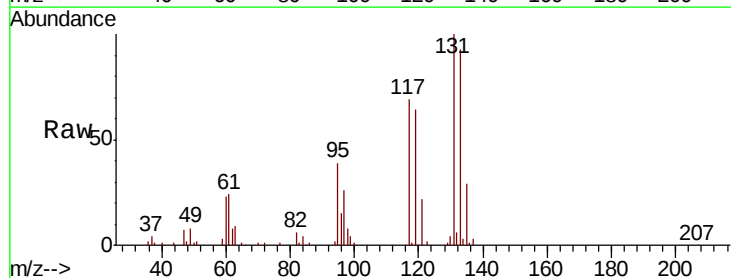
Tgt Ion:131 Resp: 54094

Ion Ratio Lower Upper

131 100

133 94.2 47.8 143.3

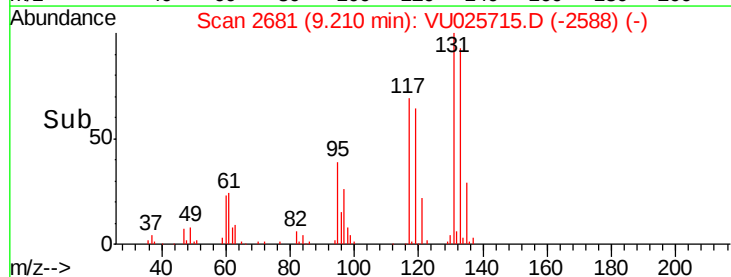
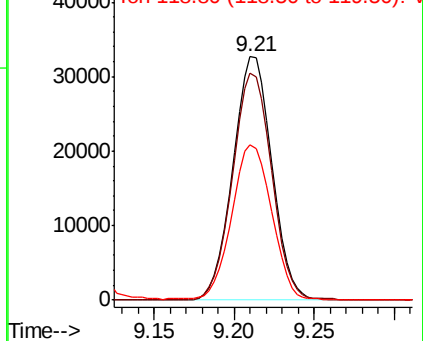
119 65.7 31.6 95.0

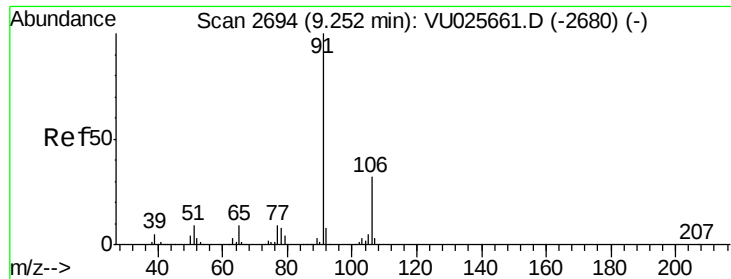


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





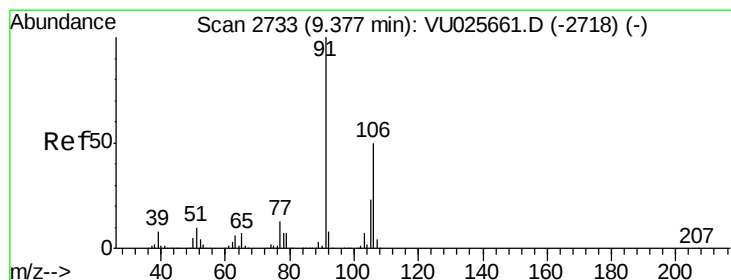
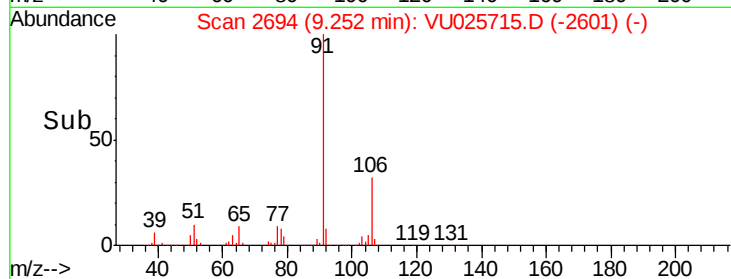
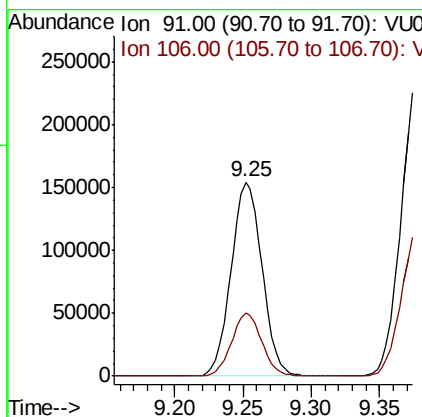
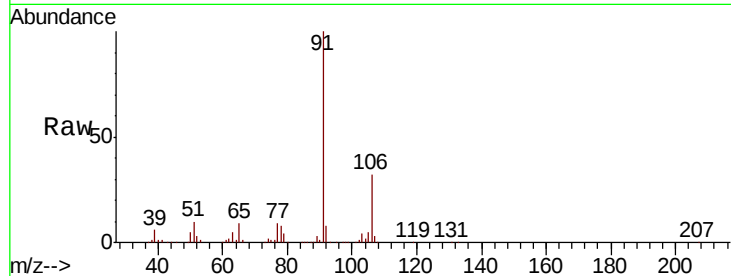
#67
Ethyl Benzene
Concen: 20.23 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.3	37.9

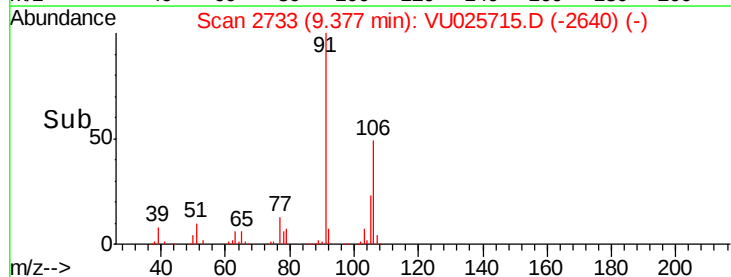
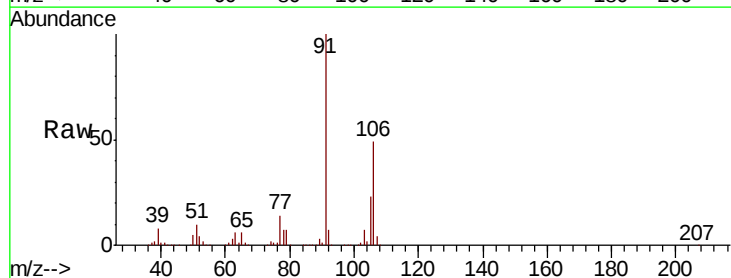
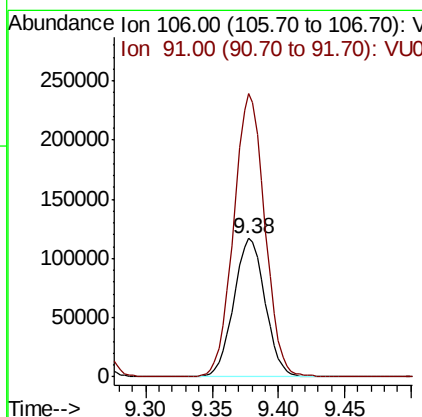
Manual Integrations
APPROVED

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7/31/2018 1:23:22 PM



#68
m/p-Xylenes
Concen: 41.52 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.1	162.3	243.5





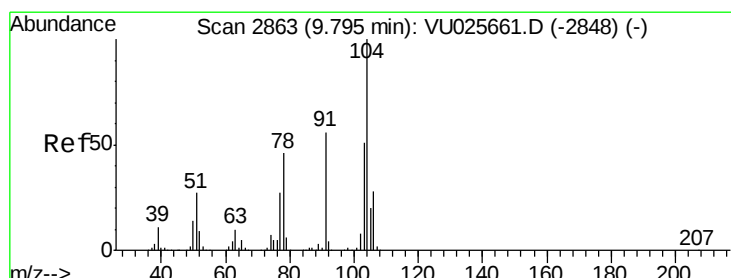
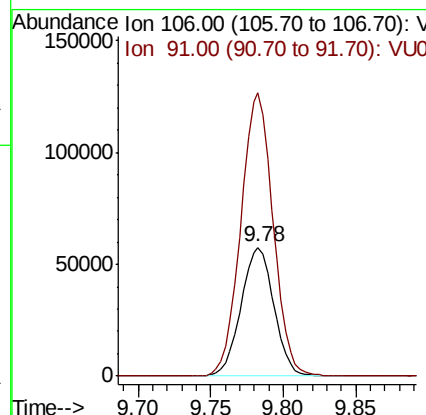
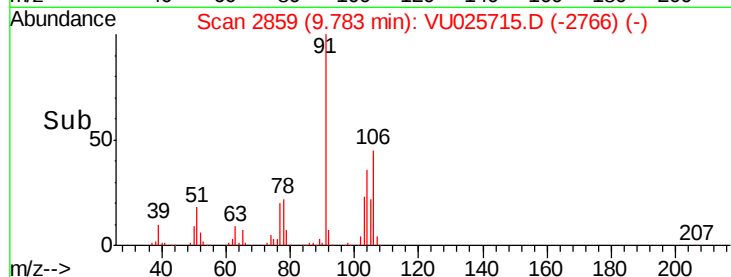
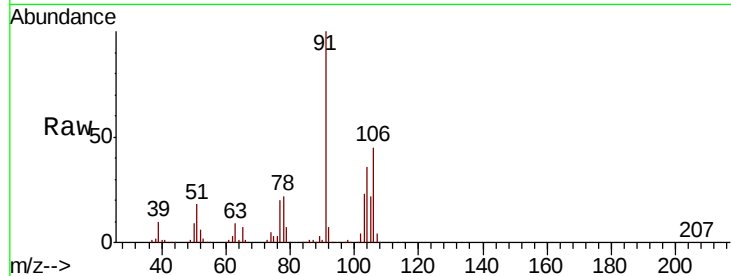
#69
o-Xylene
Concen: 20.05 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.7	105.3	315.8

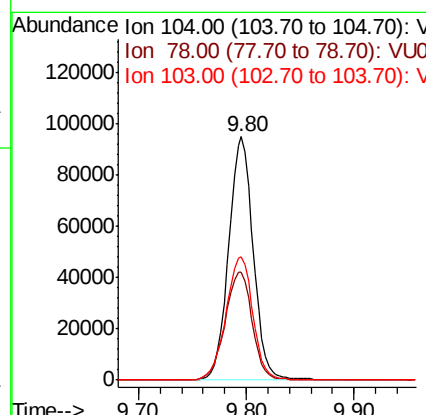
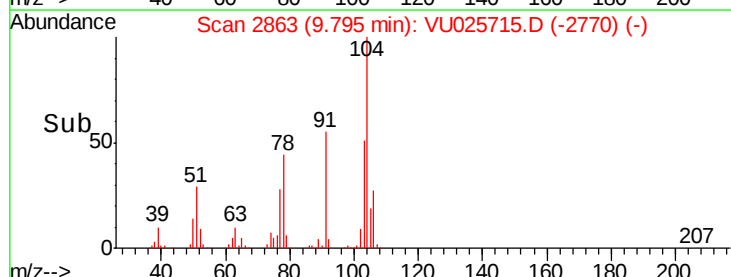
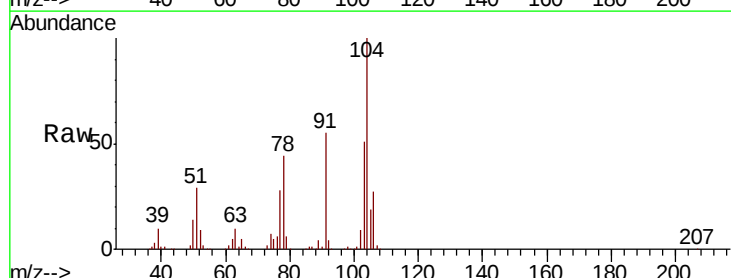
Manual Integrations
APPROVED

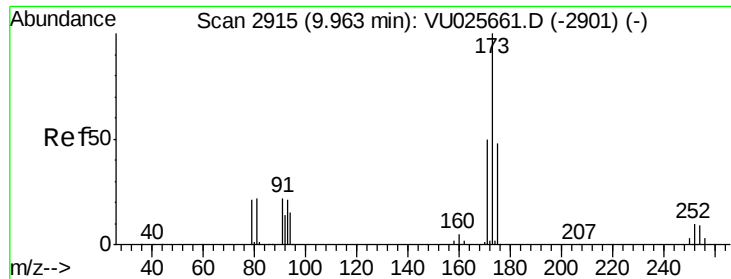
MMDadoda
7/31/2018 1:23:22 PM



#70
Styrene
Concen: 20.63 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	41.6	62.4
103	55.6	44.6	66.8





#71

Bromoform

Concen: 20.05 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:173 Resp: 45828

Ion Ratio Lower Upper

173 100

175 48.2 24.0 72.0

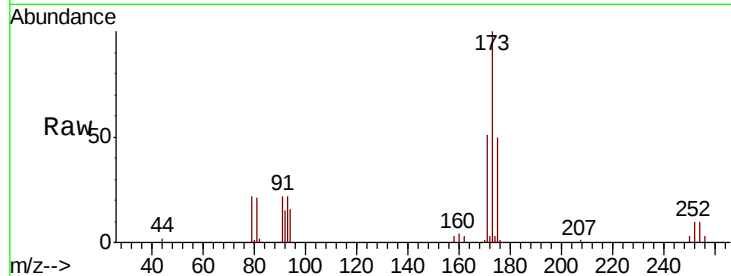
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

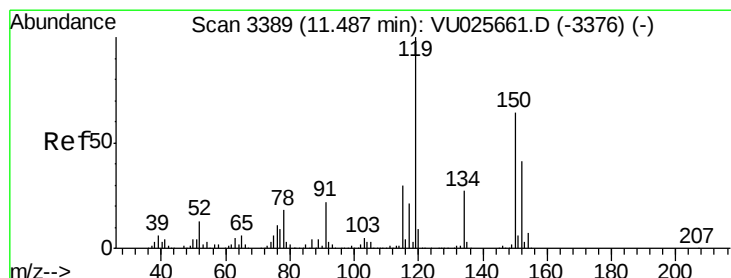
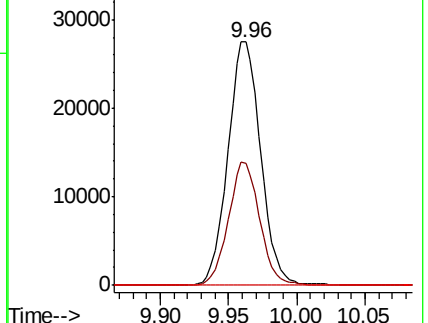
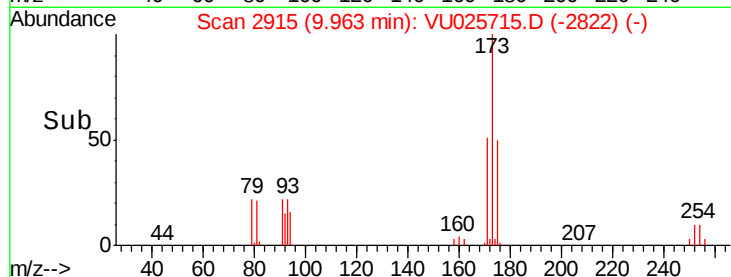
7/31/2018 1:23:22 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

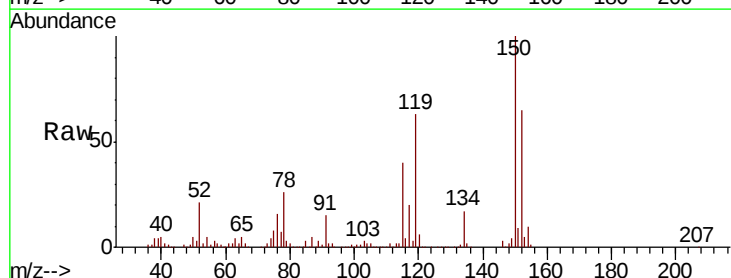
Tgt Ion:152 Resp: 180713

Ion Ratio Lower Upper

152 100

115 66.8 40.1 120.3

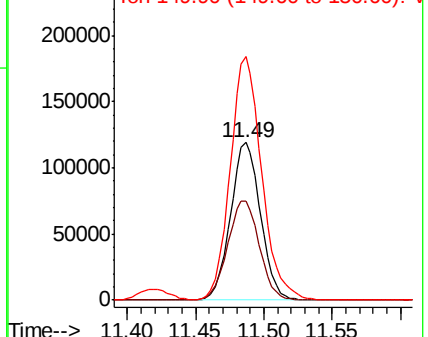
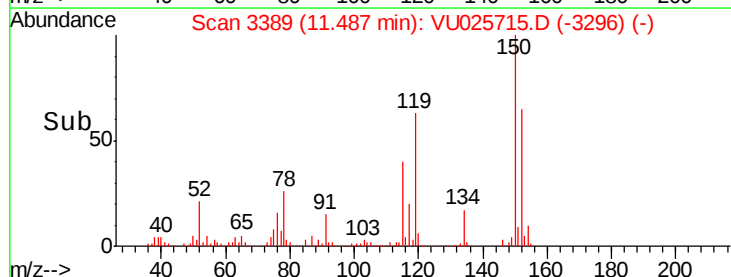
150 162.8 0.0 351.4

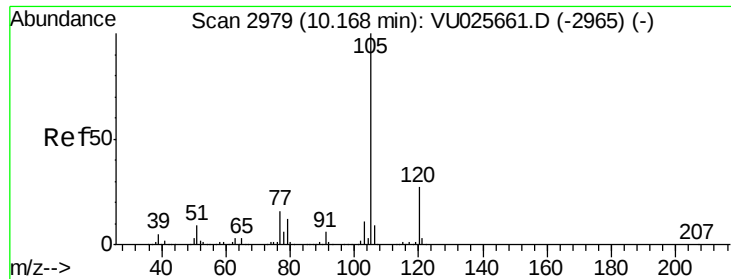


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





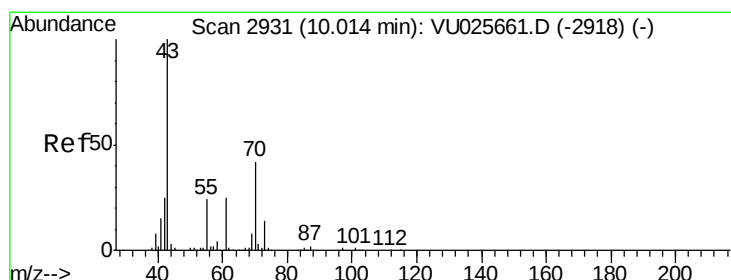
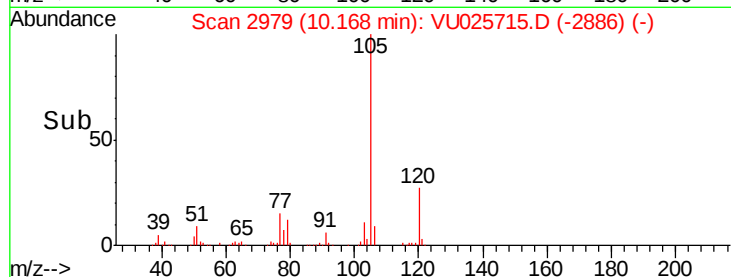
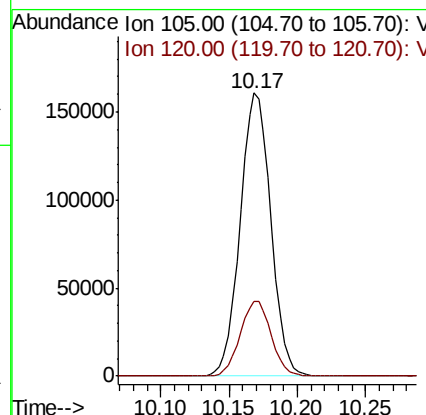
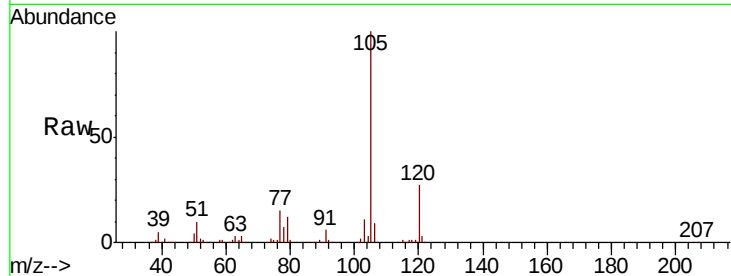
#73
Isopropylbenzene
Concen: 20.30 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

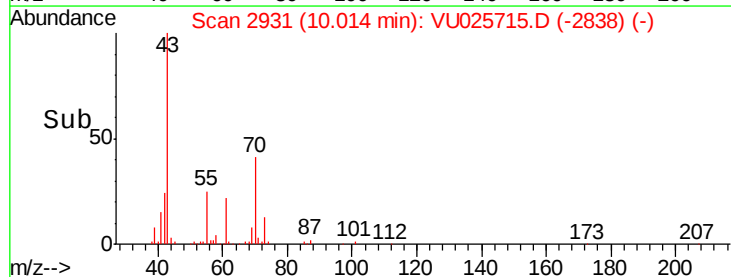
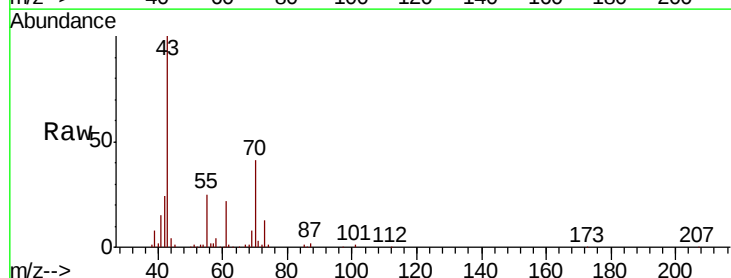
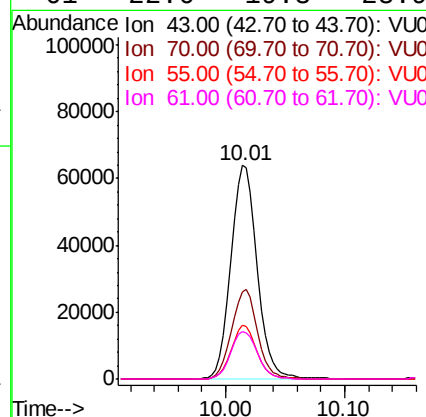
Manual Integrations
APPROVED

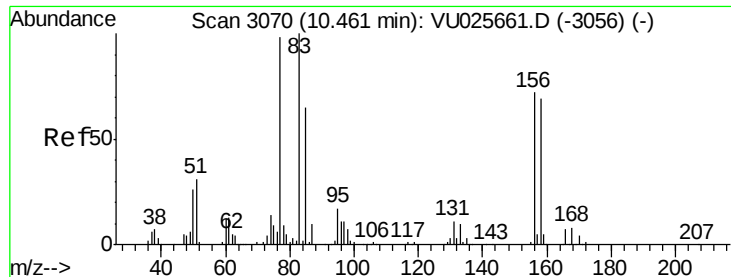
MMDadoda
7/31/2018 1:23:22 PM



#74
N-ethyl acetate
Concen: 19.46 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.4	50.2
55	24.3	19.0	28.6
61	22.6	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.74 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 83 Resp: 79929

Ion Ratio Lower Upper

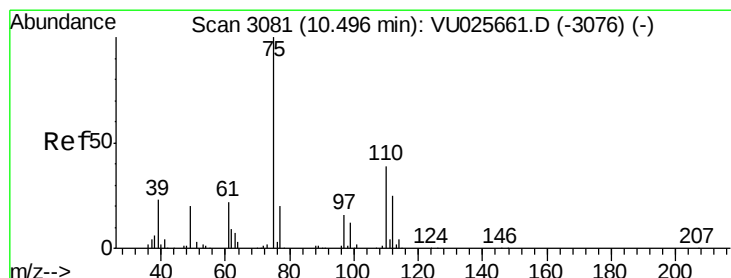
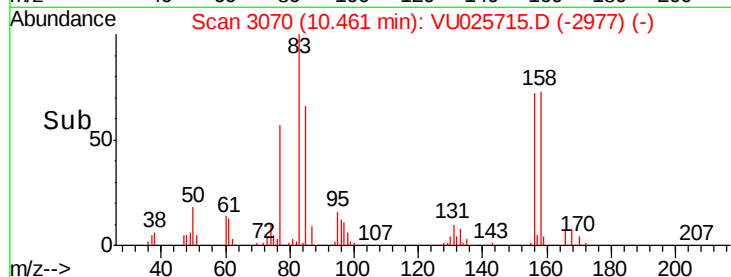
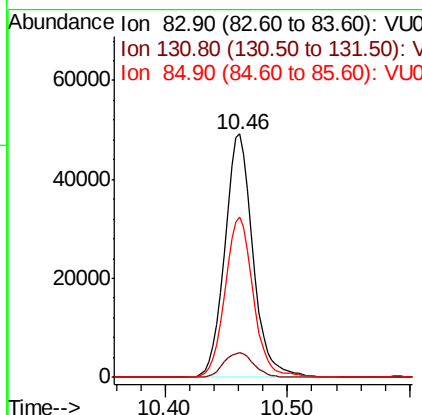
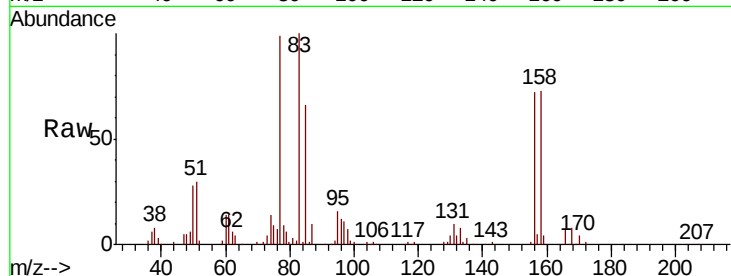
83 100

131 10.8 5.5 16.4

85 66.0 31.6 94.8

Manual Integrations
APPROVED

MMDadoda
7/31/2018 1:23:22 PM



#76

1,2,3-Trichloropropane

Concen: 16.91 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025715.D

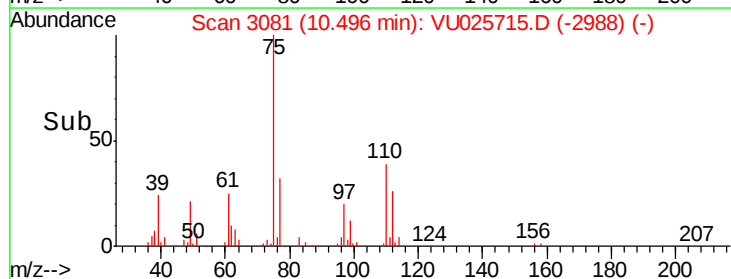
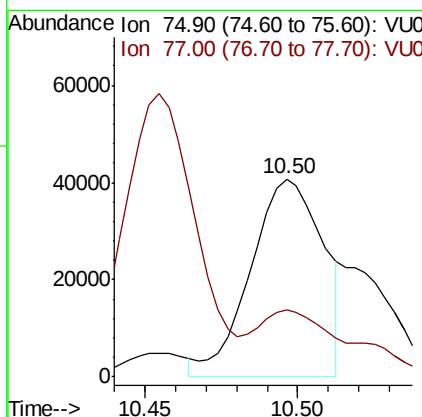
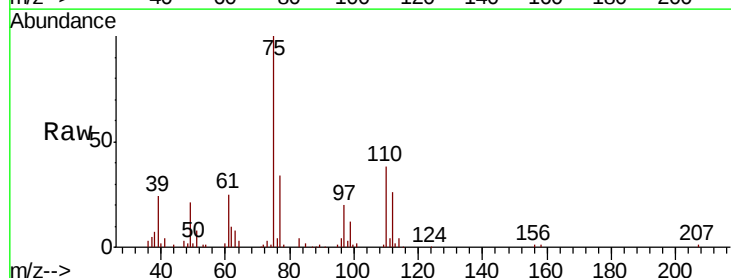
Acq: 30 Jul 2018 11:34

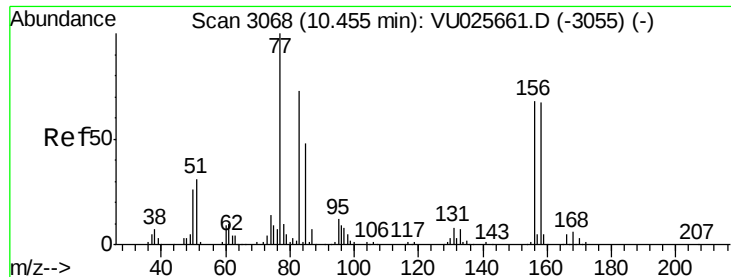
Tgt Ion: 75 Resp: 67325

Ion Ratio Lower Upper

75 100

77 42.8 20.4 61.3





#77

Bromobenzene

Concen: 19.40 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

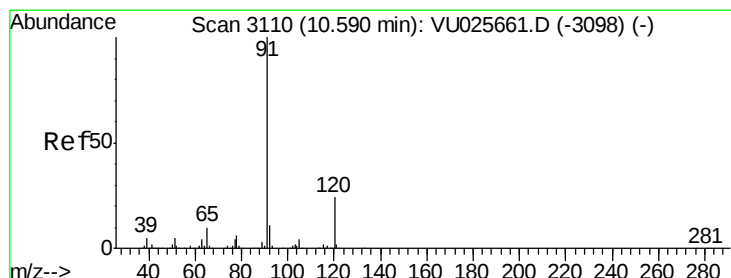
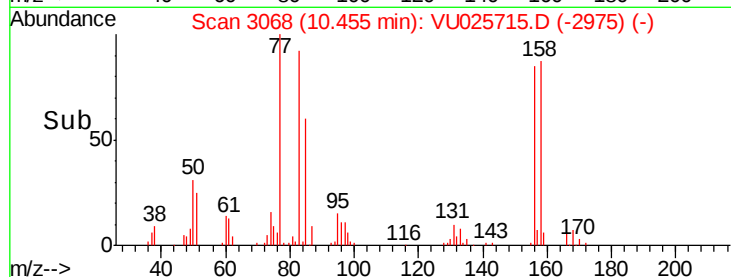
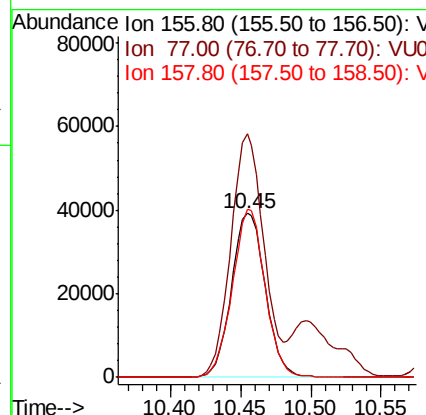
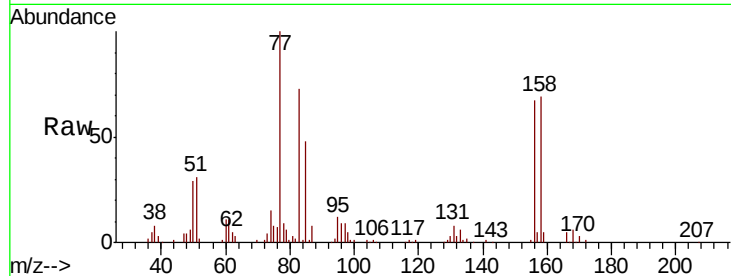
ClientSampleId :

VU0730WBS01

Tot Ion:	156	Resp:	66007
Ion	Ratio	Lower	Upper
156	100		
77	144.7	73.8	221.4
158	98.7	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.74 ug/l

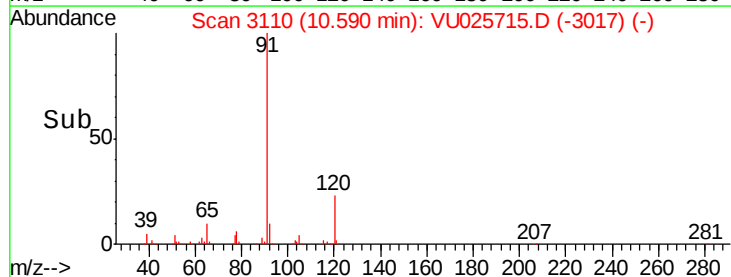
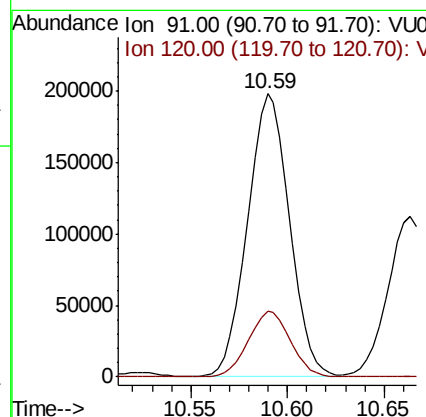
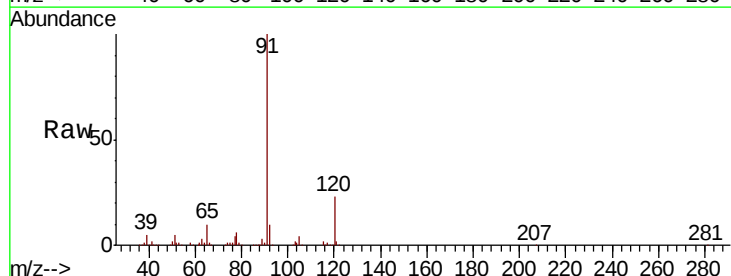
RT: 10.59 min Scan# 3110

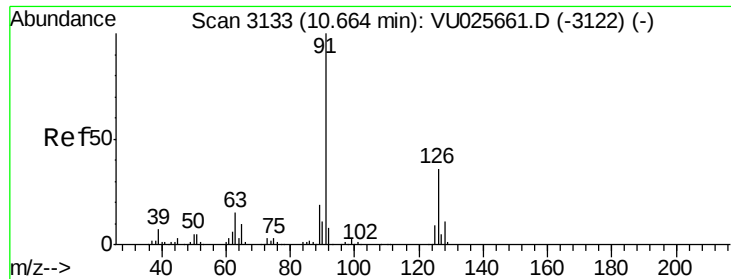
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	91	Resp:	298604
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.59 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 91 Resp: 173593

Ion Ratio Lower Upper

91 100

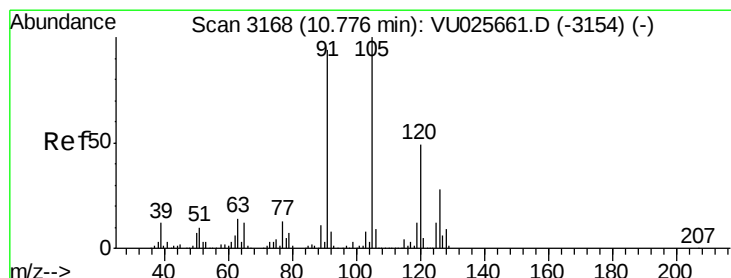
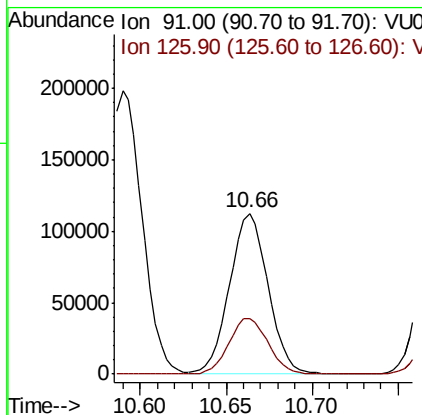
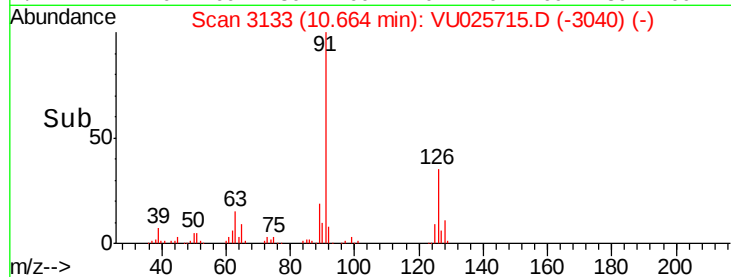
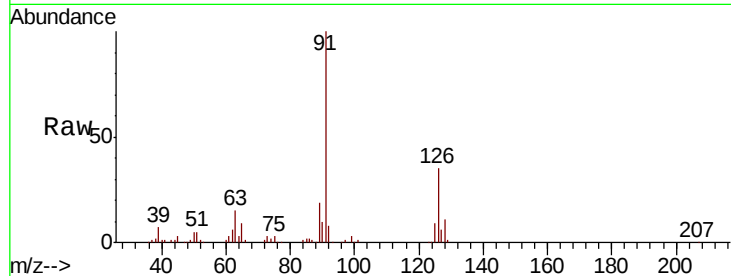
126 35.7 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.69 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025715.D

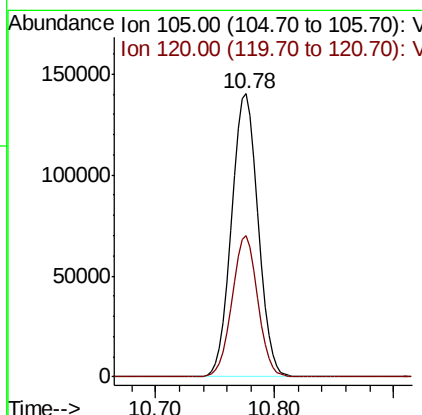
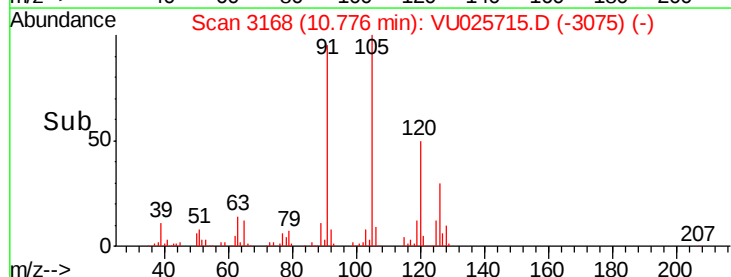
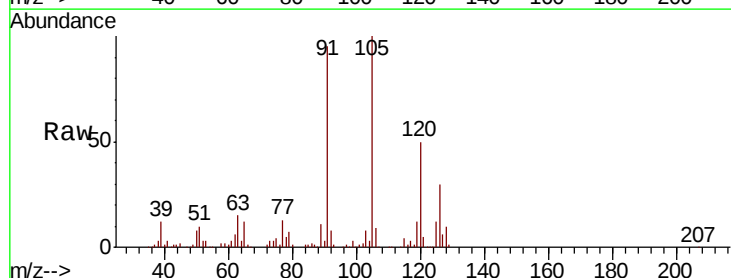
Acq: 30 Jul 2018 11:34

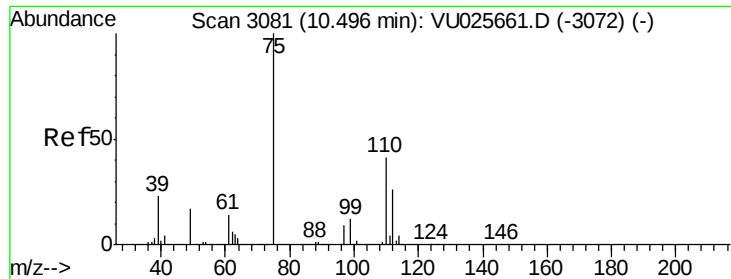
Tgt Ion: 105 Resp: 216715

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.55 ug/l m

RT: 10.51 min Scan# 3085

Delta R.T. 0.01 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

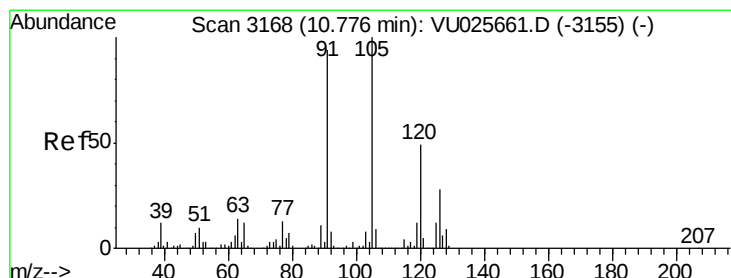
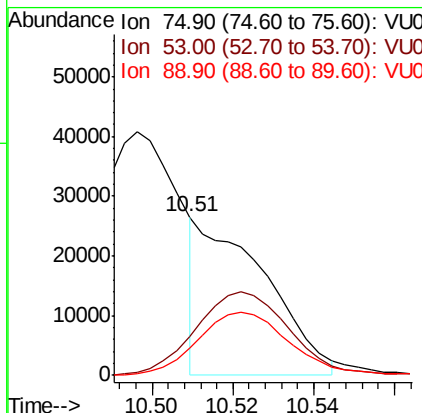
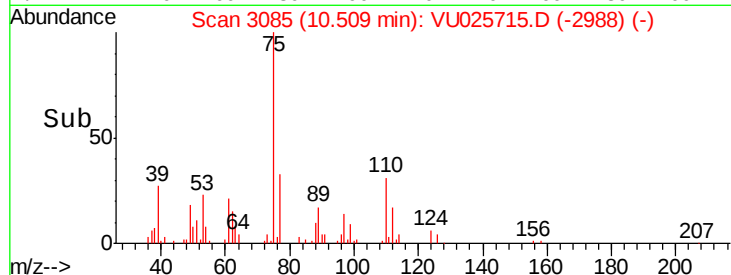
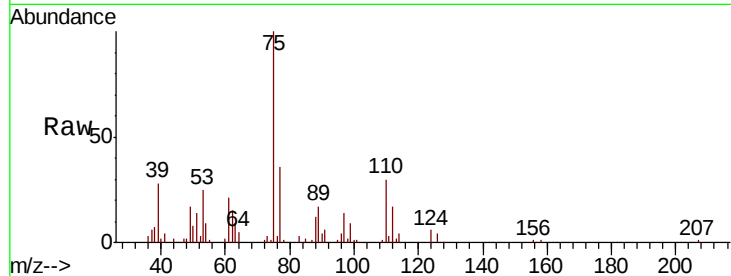
ClientSampleId :

VU0730WBS01

Tot Ion:	75	Resp:	31043
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.97 ug/l

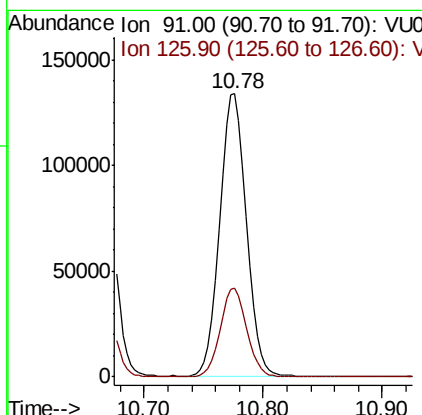
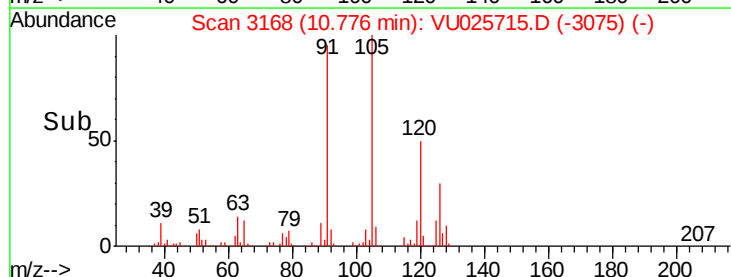
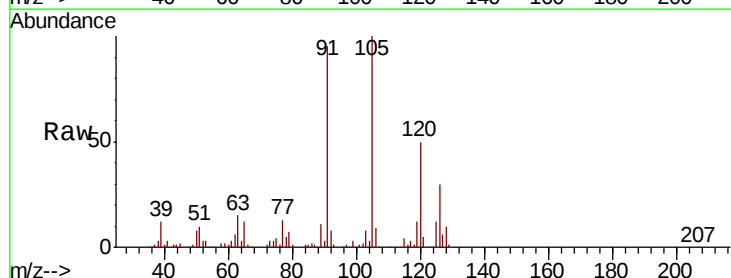
RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	91	Resp:	208398
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.3	45.9





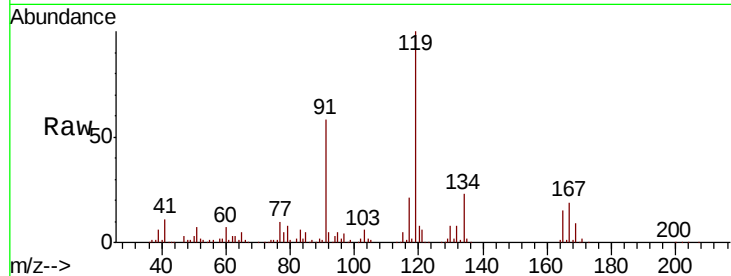
#83
tert-Butylbenzene
Concen: 20.32 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

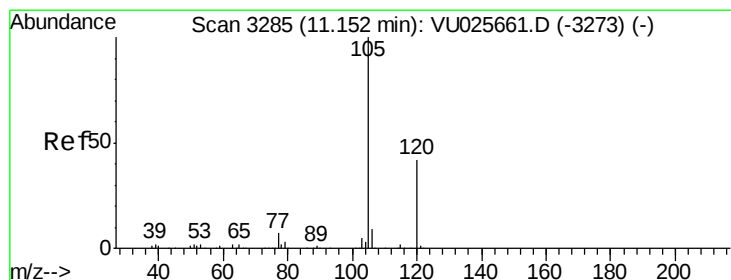
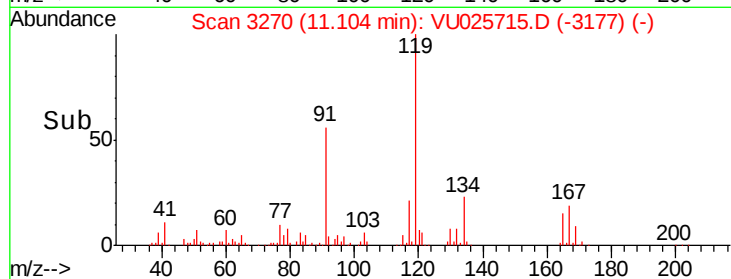
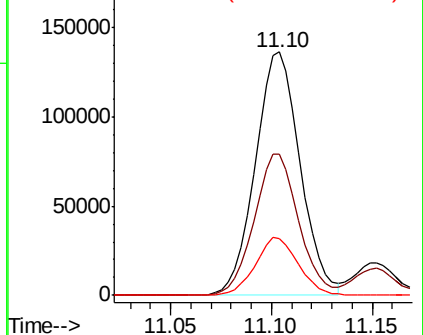
Tot Ion	Ratio	Resp	Lower	Upper
119	100	211482		
91	57.1	29.7	89.1	
134	22.7	11.5	34.5	

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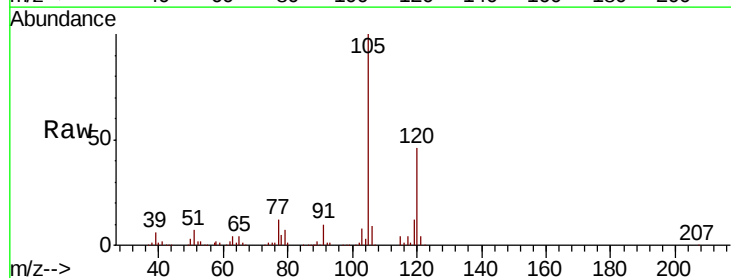


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

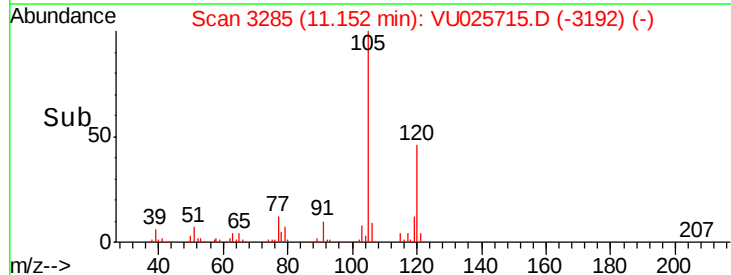
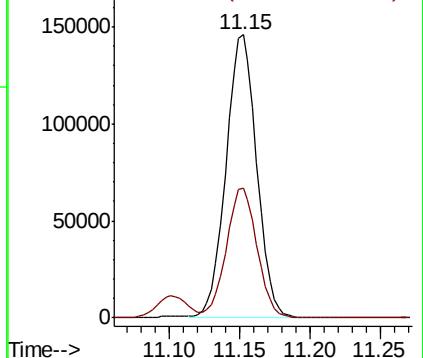


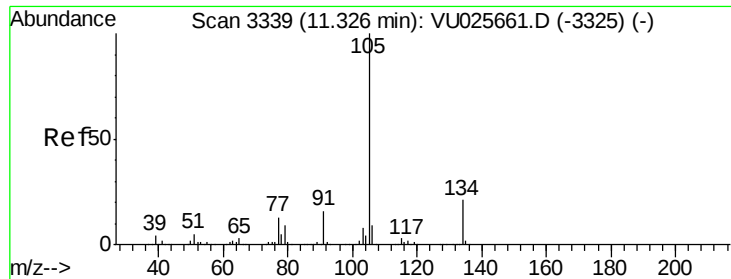
#84
1,2,4-Trimethylbenzene
Concen: 20.83 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221070		
120	46.0	22.3	66.8	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.89 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:105 Resp: 265414

Ion Ratio Lower Upper

105 100

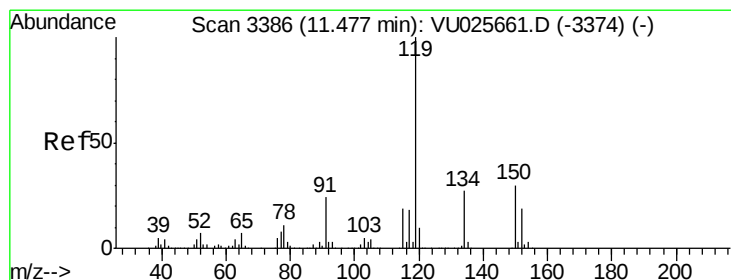
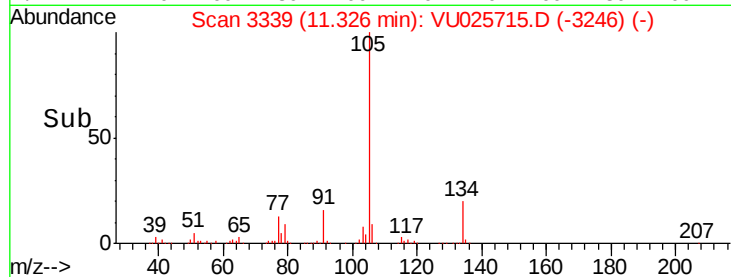
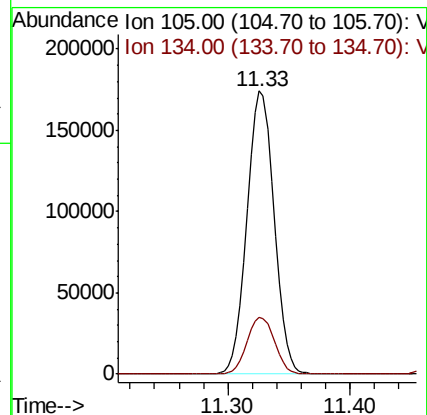
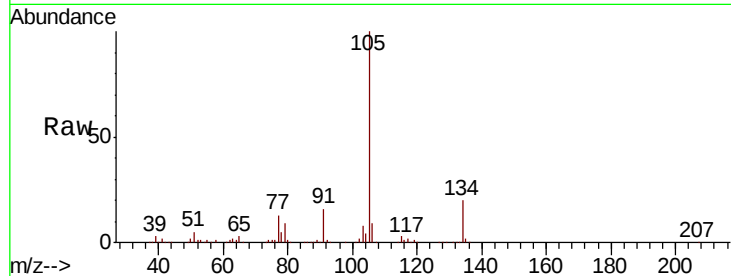
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.07 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

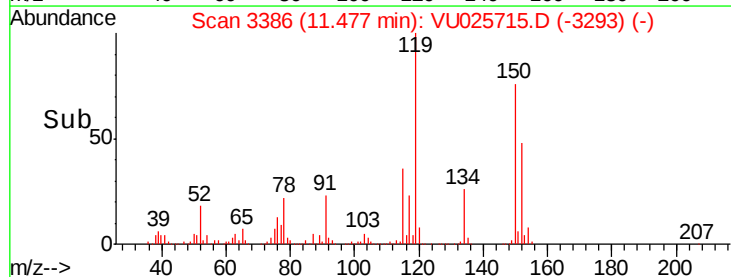
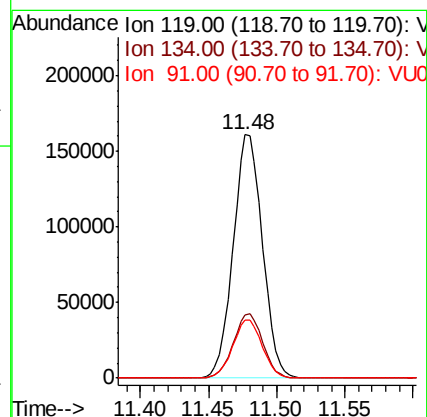
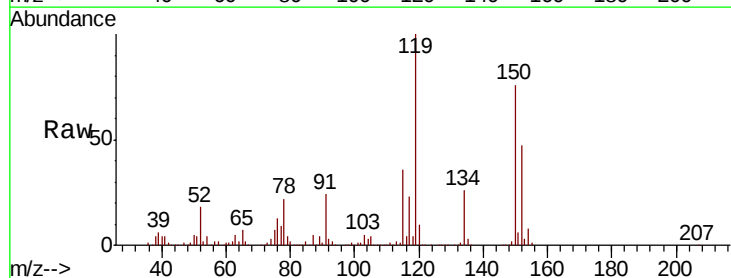
Tgt Ion:119 Resp: 239692

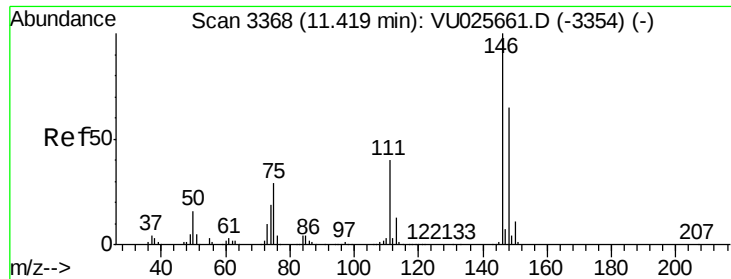
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 24.2 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.14 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Instrument :

MSVOA_U

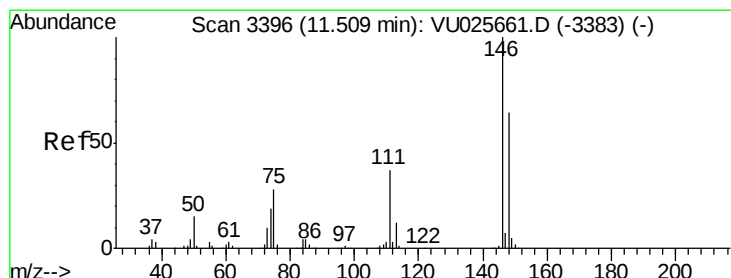
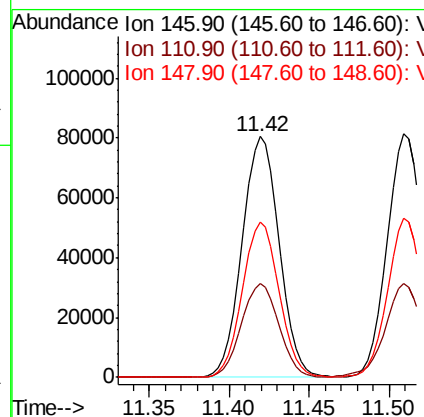
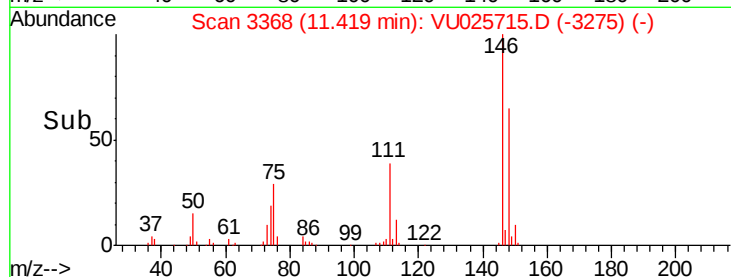
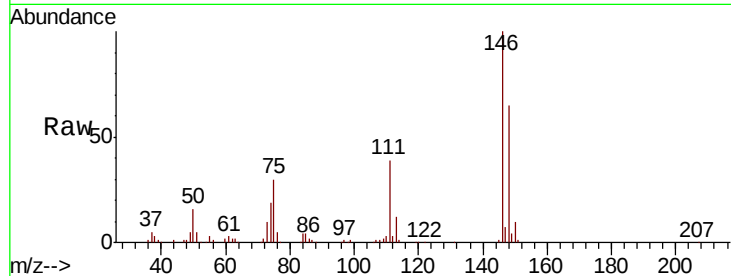
ClientSampleId :

VU0730WBS01

Tot Ion:	146	Resp:	127171
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.1
148	63.8	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.67 ug/l

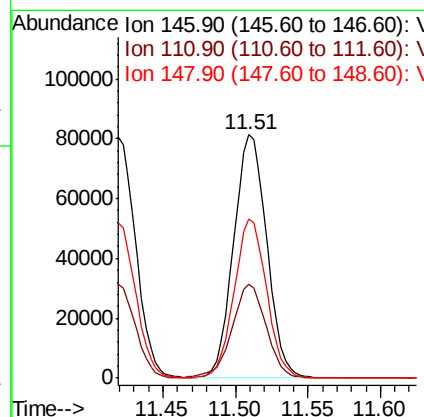
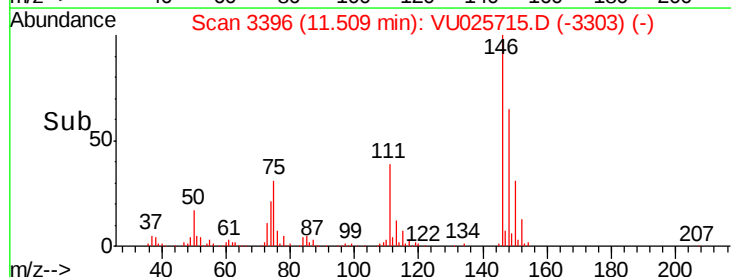
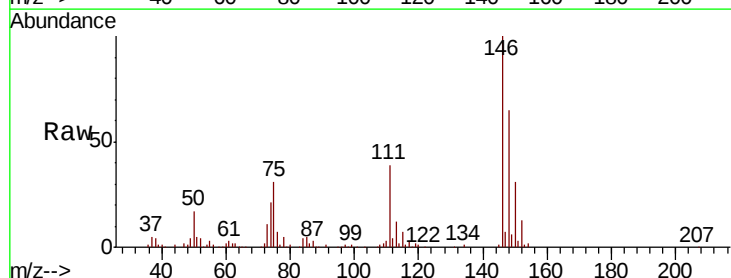
RT: 11.51 min Scan# 3396

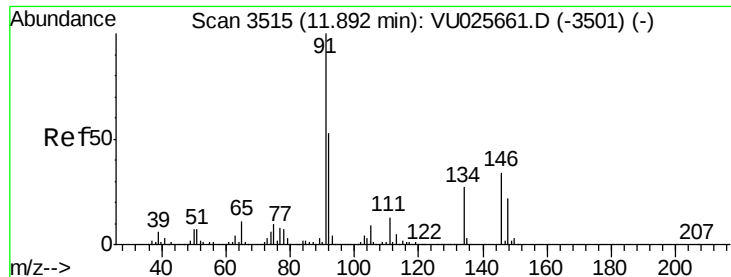
Delta R.T. 0.00 min

Lab File: VU025715.D

Acq: 30 Jul 2018 11:34

Tgt Ion:	146	Resp:	129493
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.4	58.1
148	64.0	31.7	95.1





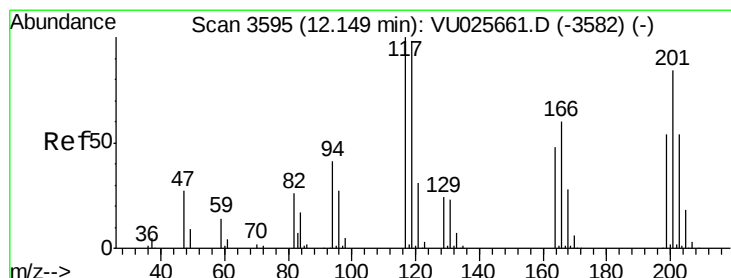
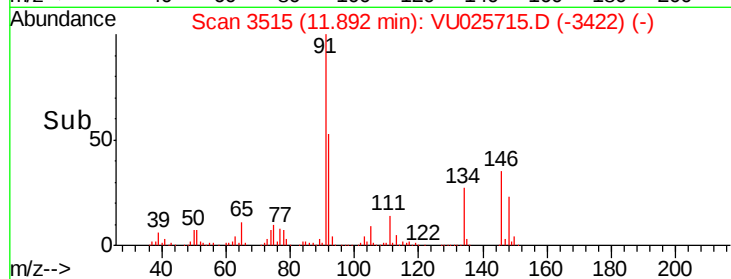
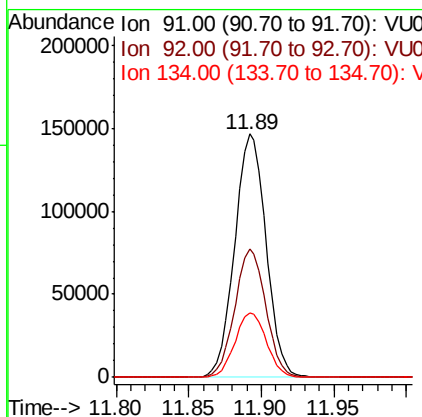
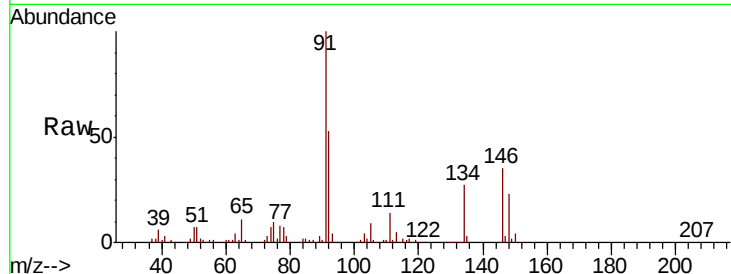
#89
n-Butylbenzene
Concen: 20.99 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.5
134	26.6	13.6	40.7

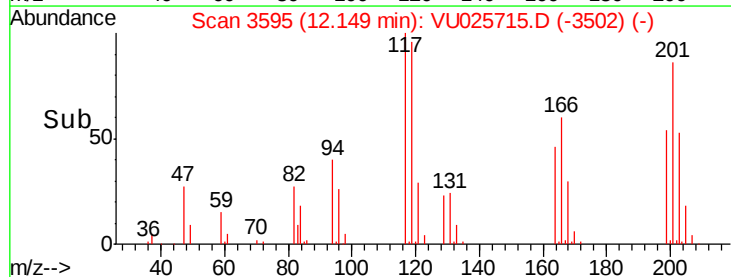
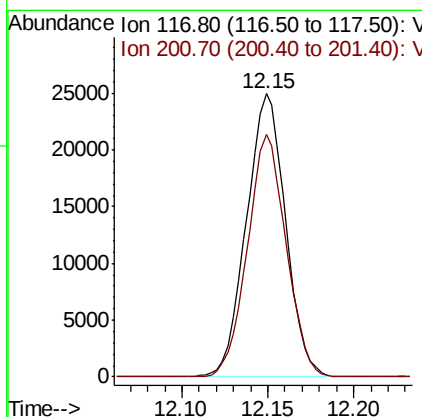
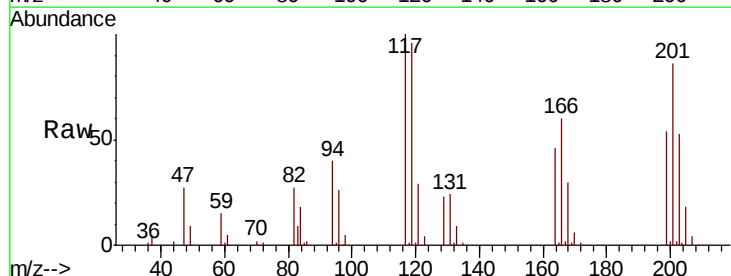
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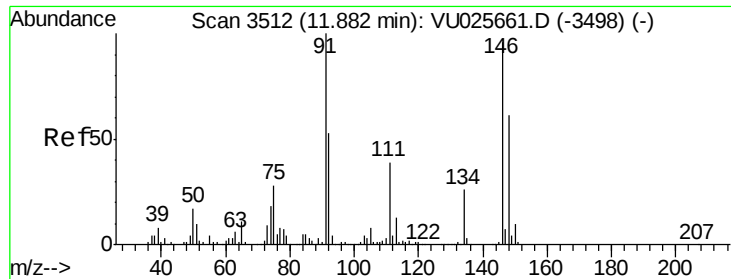
MMDadoda
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#90
Hexachloroethane
Concen: 19.46 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	42.5	127.6





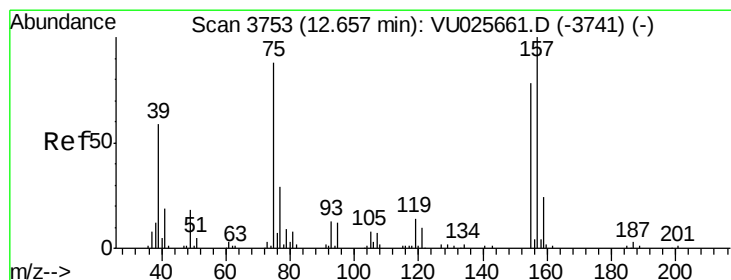
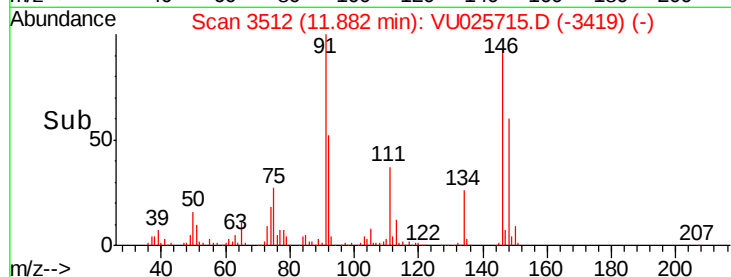
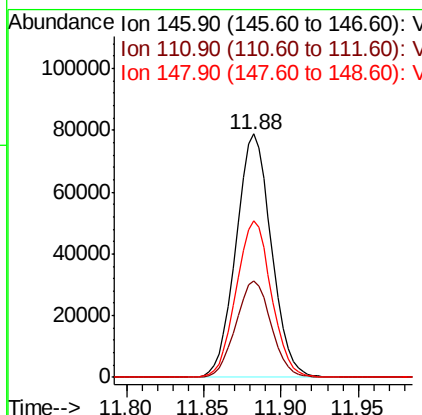
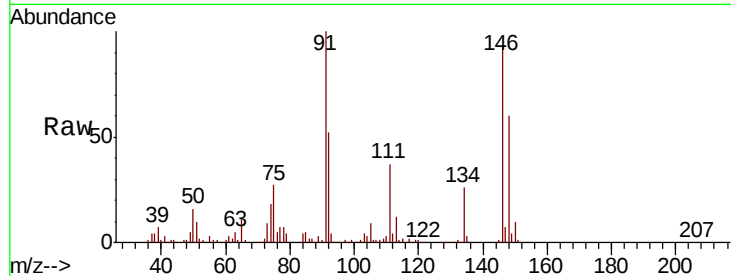
#91
 1,2-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.6	61.8
148	64.2	31.5	94.5

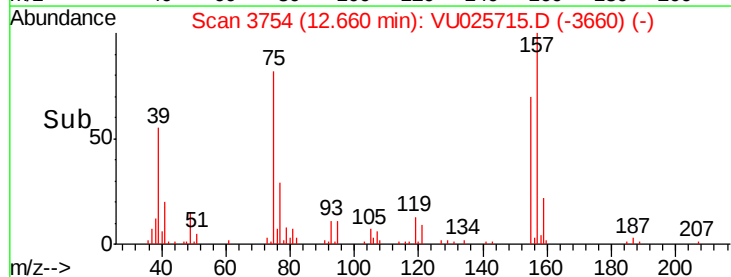
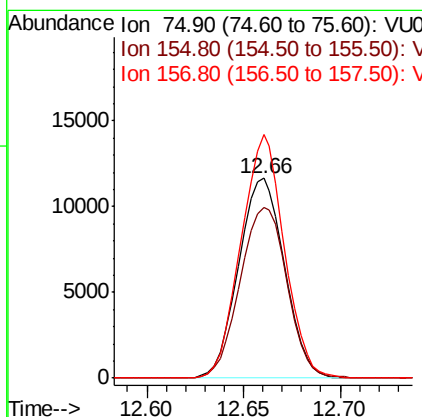
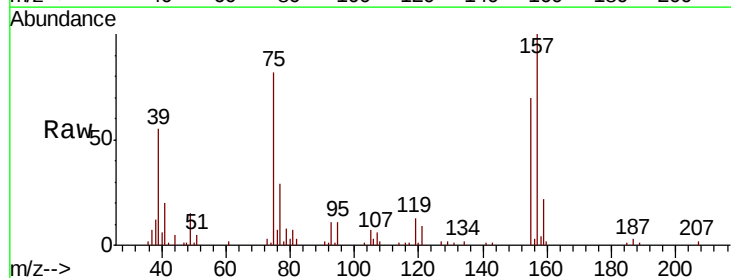
Manual Integrations
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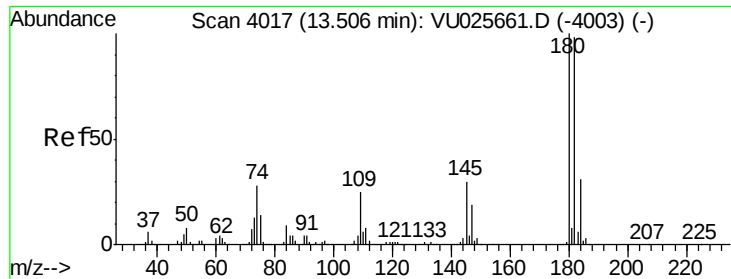
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.01 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	44.5	133.3
157	114.9	57.0	170.8





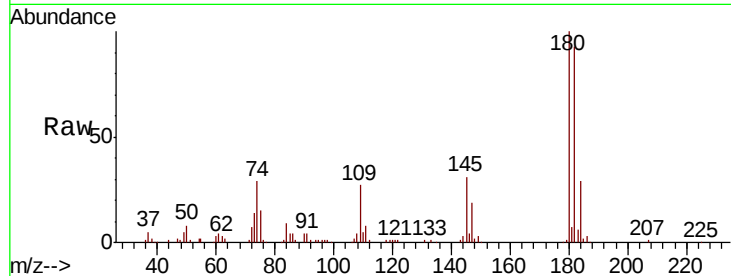
#93
 1,2,4-Trichlorobenzene
 Concen: 21.04 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87917		
182	93.1	47.3	141.9	
145	29.4	14.9	44.7	

Manual Integrations
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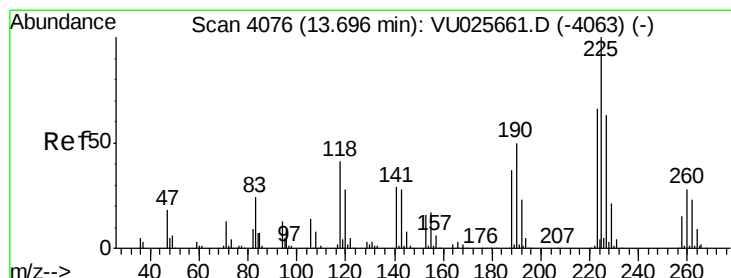
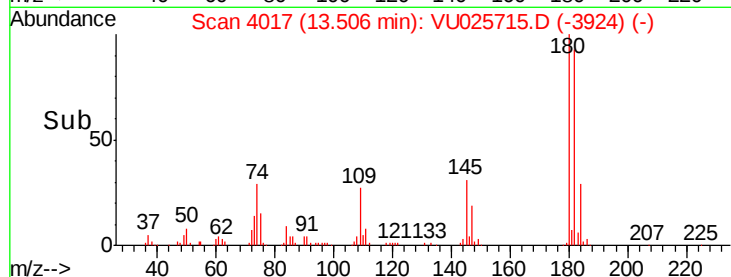
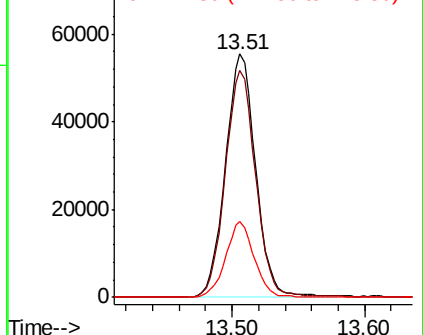


Abundance

Ion 179.80 (179.50 to 180.50): V

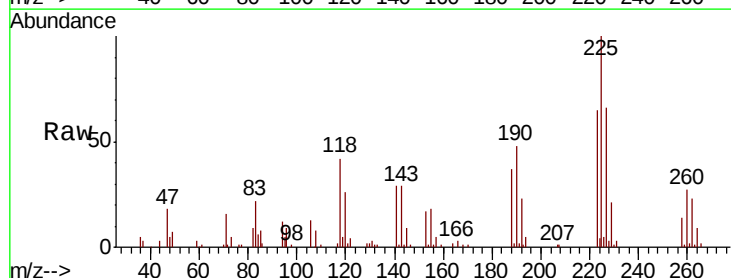
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.37 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025715.D
 Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44855		
223	66.0	31.9	95.7	
227	63.8	32.3	96.9	

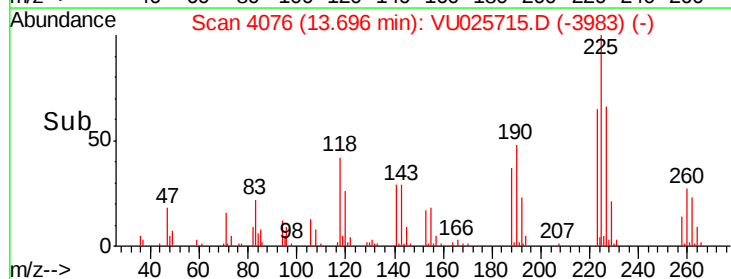
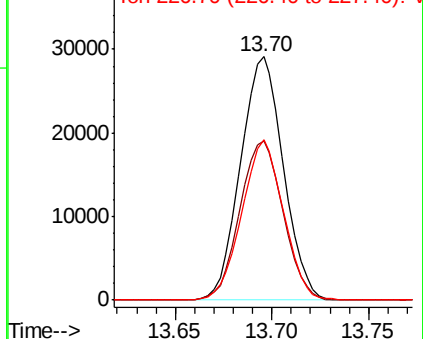


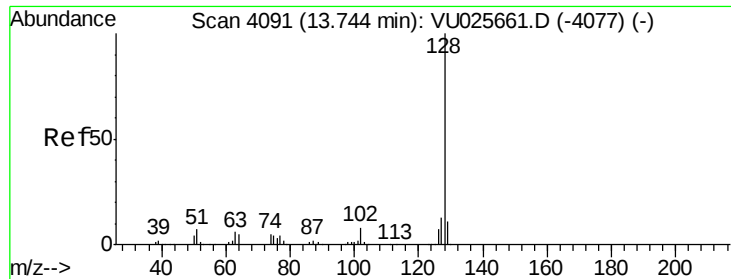
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





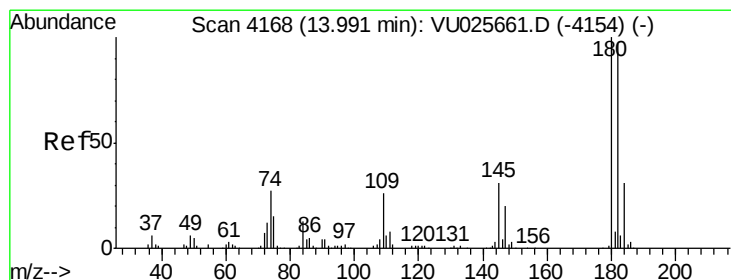
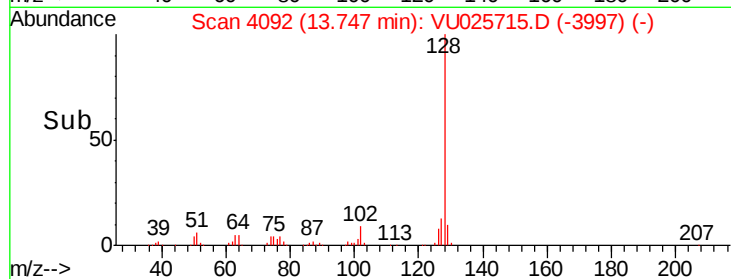
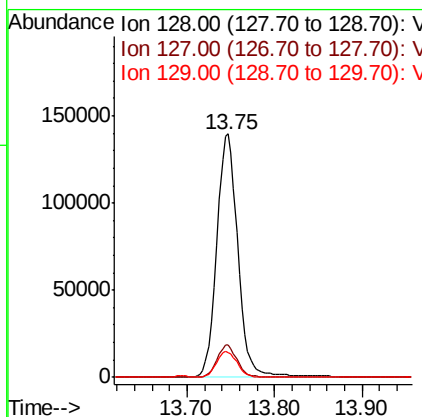
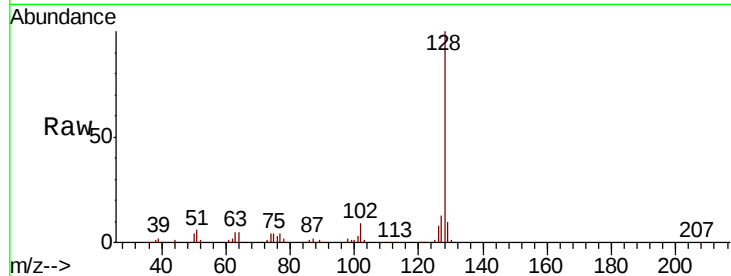
#95
Naphthalene
Concen: 18.30 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.25 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025715.D
Acq: 30 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	32.3	15.6	46.8

