

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024732.D
 Acq On : 19 Jun 2018 08:46
 Operator : MD/SY
 Sample : J3535-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Manual Integrations
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MMDadoda
 6/19/2018 1:55:10 PM

Quant Time: Jun 19 09:55:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	150315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	245810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141040	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121668	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	4.89	113	100480	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	7.57	98	365046	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	10.31	95	142954	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	80517	42.79	ug/l	97
3) Chloromethane	1.33	50	97692	50.82	ug/l	99
4) Vinyl Chloride	1.40	62	100982	50.94	ug/l	98
5) Bromomethane	1.62	94	60857	63.51	ug/l	99
6) Chloroethane	1.70	64	64650	58.54	ug/l	99
7) Trichlorofluoromethane	1.89	101	158844	52.51	ug/l	98
8) Diethyl Ether	2.10	74	62238	60.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	86208	45.93	ug/l	97
10) Methyl Iodide	2.41	142	94682	58.59	ug/l	97
11) Tert butyl alcohol	2.82	59	143978	241.24	ug/l	98
12) 1,1-Dichloroethene	2.29	96	84186	49.19	ug/l	94
13) Acrolein	2.19	56	46194	147.39	ug/l	99
14) Allyl chloride	2.60	41	126216	39.72	ug/l	94
15) Acrylonitrile	2.93	53	329438	283.71	ug/l	98
16) Acetone	2.32	43	281205	213.28	ug/l	97
17) Carbon Disulfide	2.48	76	241956	44.15	ug/l	99
18) Methyl Acetate	2.62	43	125233	44.31	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	333069	51.77	ug/l	99
20) Methylene Chloride	2.71	84	103580	50.07	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	93957	49.84	ug/l	93
22) Diisopropyl ether	3.57	45	333101	52.88	ug/l	99
23) Vinyl Acetate	3.53	43	1071267	189.83	ug/l	99
24) 1,1-Dichloroethane	3.45	63	187106	51.63	ug/l	99
25) 2-Butanone	4.26	43	461450	260.55	ug/l	97
26) 2,2-Dichloropropane	4.23	77	41138	11.95	ug/l	83
27) cis-1,2-Dichloroethene	4.23	96	113095	52.18	ug/l	88
28) Bromochloromethane	4.55	49	88704	55.57	ug/l	88
29) Tetrahydrofuran	4.63	42	299074	272.69	ug/l	97
30) Chloroform	4.68	83	192682	52.53	ug/l	98
31) Cyclohexane	5.00	56	164092	51.03	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	169355	49.93	ug/l	97
36) 1,1-Dichloropropene	5.14	75	132943	46.03	ug/l	97
37) Ethyl Acetate	4.38	43	133925	42.54	ug/l	97
38) Carbon Tetrachloride	5.14	117	153622	48.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	154853	42.96	ug/l	96
40) Benzene	5.39	78	412659	50.14	ug/l	99
41) Methacrylonitrile	4.54	41	94092	55.43	ug/l	97
42) 1,2-Dichloroethane	5.41	62	156337	49.87	ug/l	98
43) Isopropyl Acetate	5.55	43	238656	43.86	ug/l	98
44) Trichloroethene	6.19	130	111469	47.59	ug/l	92
45) 1,2-Dichloropropane	6.44	63	112151	51.07	ug/l	96
46) Dibromomethane	6.56	93	79251	51.38	ug/l	96
47) Bromodichloromethane	6.76	83	151693	49.38	ug/l	98
48) Methyl methacrylate	6.63	41	133582	50.41	ug/l	98
49) 1,4-Dioxane	6.61	88	58453	1127.98	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	906109	265.03	ug/l	99
52) Toluene	7.64	92	261262	49.34	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	136208	39.49	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	142828	38.86	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	111724	51.91	ug/l	98
56) Ethyl methacrylate	8.02	69	183785	51.01	ug/l	99
57) 1,3-Dichloropropane	8.25	76	186936	51.48	ug/l	98
59) 2-Hexanone	8.36	43	719981	257.95	ug/l	100
60) Dibromochloromethane	8.48	129	130340	48.56	ug/l	98
61) 1,2-Dibromoethane	8.59	107	121397	50.67	ug/l	99
64) Tetrachloroethene	8.23	164	94277	42.74	ug/l	98
65) Chlorobenzene	9.12	112	302357	51.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116443	51.70	ug/l	99
67) Ethyl Benzene	9.25	91	515529	49.60	ug/l	97
68) m/p-Xylenes	9.38	106	402703	100.90	ug/l	96
69) o-Xylene	9.78	106	203794	51.60	ug/l	95
70) Styrene	9.80	104	322086	49.62	ug/l	100
71) Bromoform	9.96	173	106434	49.72	ug/l #	100
73) Isopropylbenzene	10.17	105	536587	49.55	ug/l	99
74) N-amyl acetate	10.01	43	197103	38.27	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194076	53.48	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	159667m	51.42	ug/l	
77) Bromobenzene	10.45	156	139463	50.87	ug/l	96
78) n-propylbenzene	10.59	91	604345	47.38	ug/l	97
79) 2-Chlorotoluene	10.66	91	365796	48.63	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	461407	49.16	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	203477	151.66	ug/l #	100
82) 4-Chlorotoluene	10.78	91	424854	48.53	ug/l	97
83) tert-Butylbenzene	11.10	119	467153	51.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	476700	49.84	ug/l	99
85) sec-Butylbenzene	11.33	105	546828	48.39	ug/l	97
86) p-Isopropyltoluene	11.48	119	486445	48.06	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	251184	49.60	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	253042	49.64	ug/l	99
89) n-Butylbenzene	11.89	91	383658	42.70	ug/l	97
90) Hexachloroethane	12.15	117	91610	46.40	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	261950	51.64	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52428	52.36	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	164790	52.60	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	73940	41.93	ug/l	100
95) Naphthalene	13.74	128	600206	57.77	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180207	57.73	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion:168 Resp: 150315

Ion Ratio Lower Upper

168 100

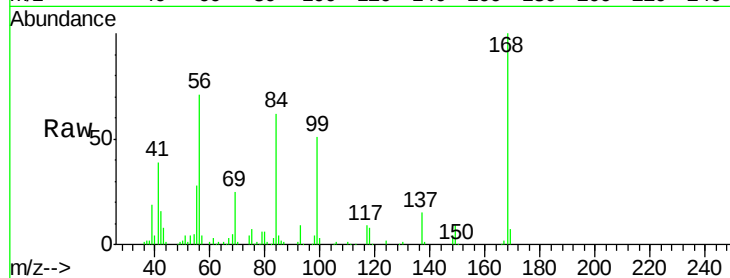
99 51.0 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

60000

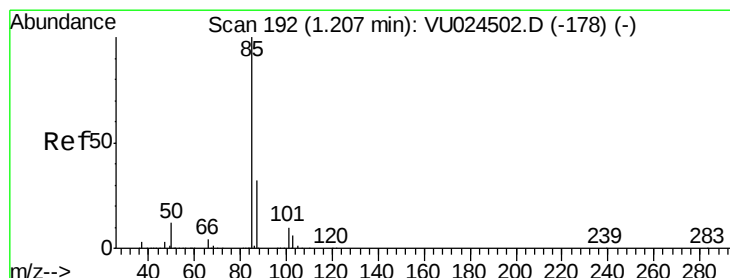
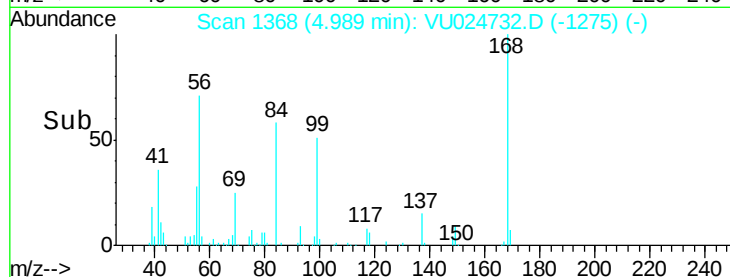
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.79 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024732.D

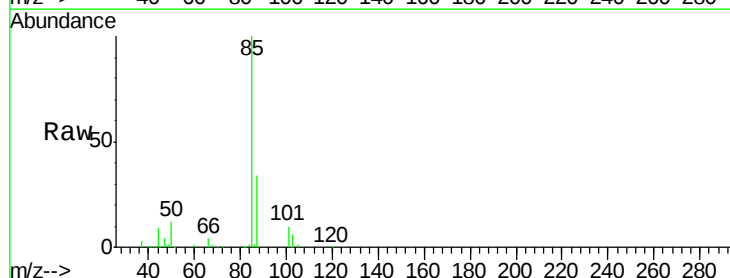
Acq: 19 Jun 2018 08:46

Tgt Ion: 85 Resp: 80517

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

1.20

80000

60000

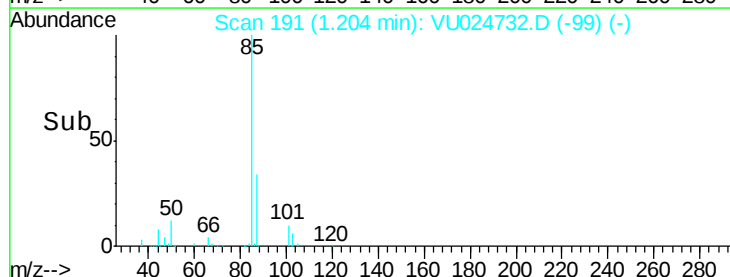
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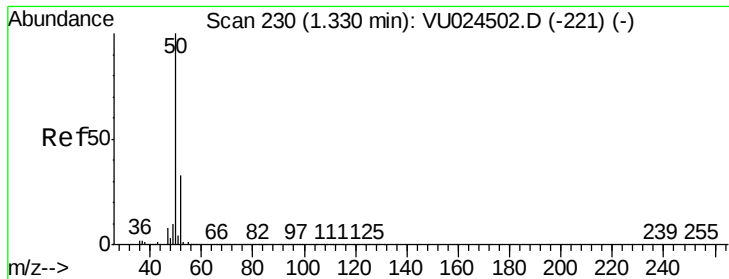
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.82 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 50 Resp: 97692

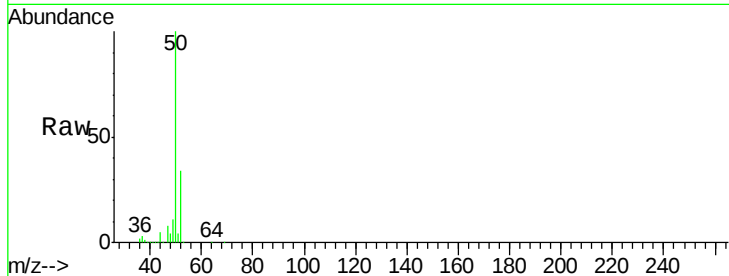
Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

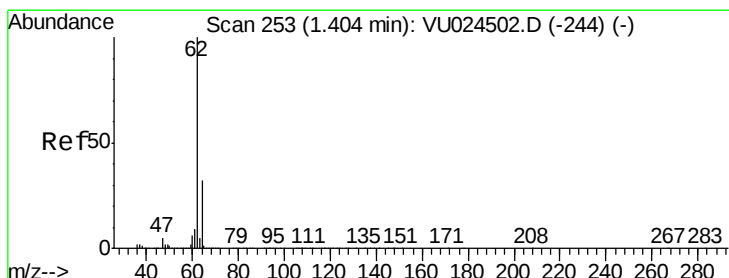
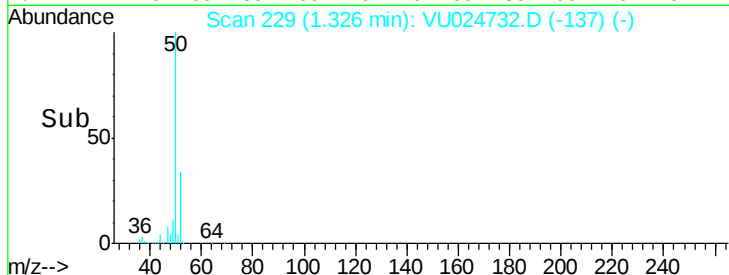
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.94 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024732.D

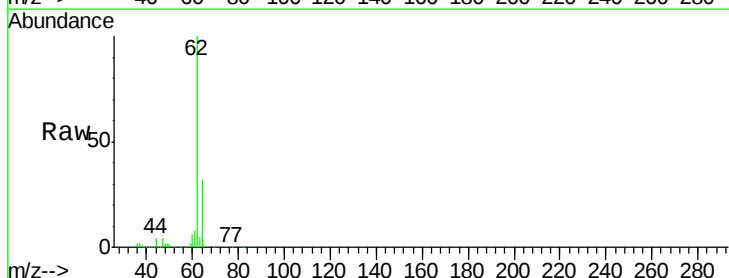
Acq: 19 Jun 2018 08:46

Tgt Ion: 62 Resp: 100982

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

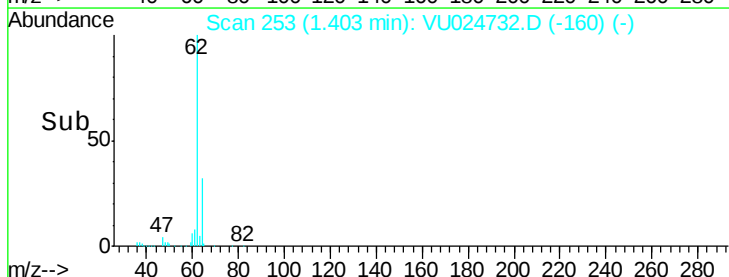
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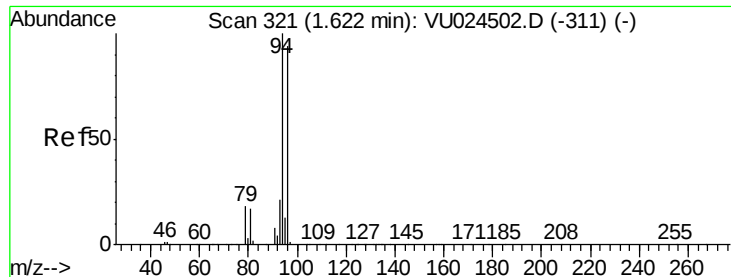
40000

20000

0

Time-->





#5

Bromomethane

Concen: 63.51 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 94 Resp: 60857

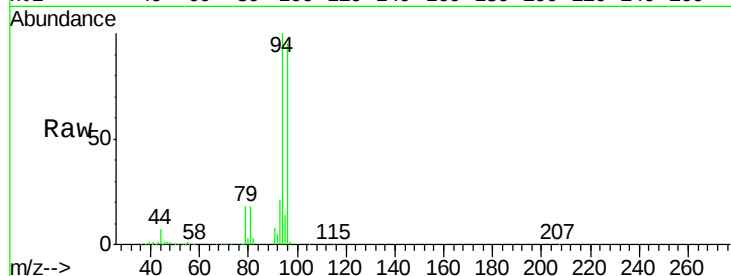
Ion Ratio Lower Upper

94 100

96 94.5 74.5 111.7

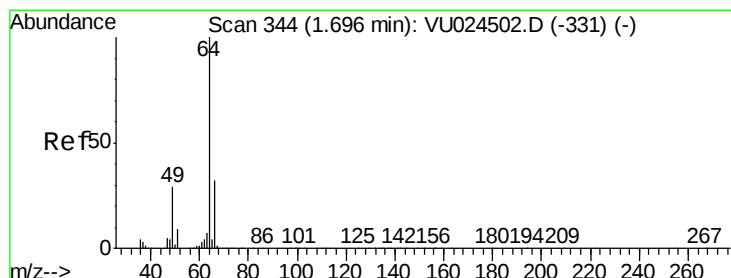
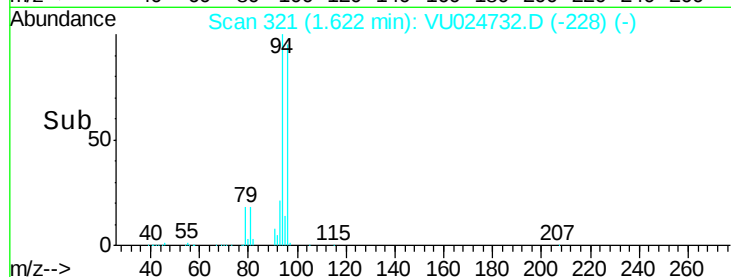
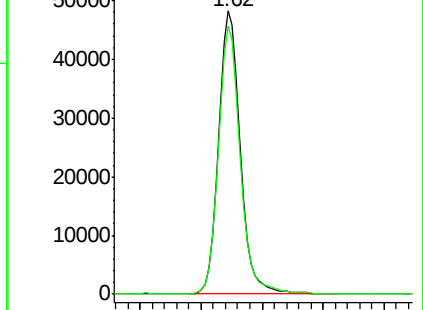
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Abundance Ion 93.90 (93.60 to 94.60): VU024732.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024732.D (-228) (-)



#6

Chloroethane

Concen: 58.54 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024732.D

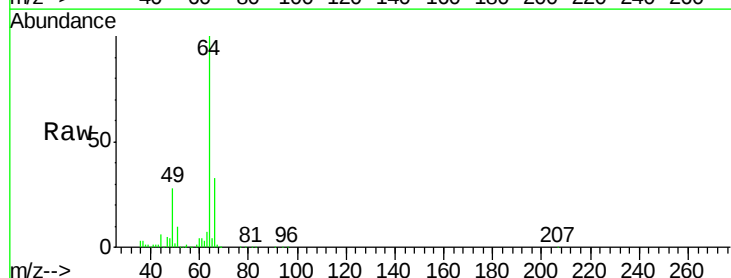
Acq: 19 Jun 2018 08:46

Tgt Ion: 64 Resp: 64650

Ion Ratio Lower Upper

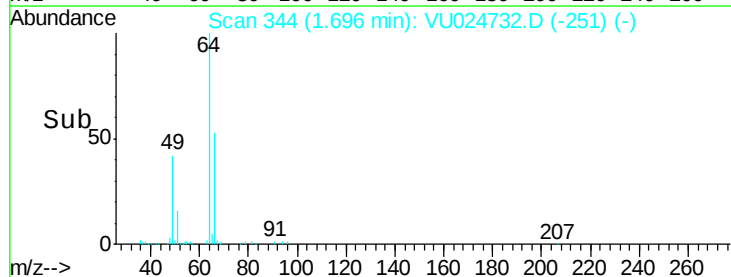
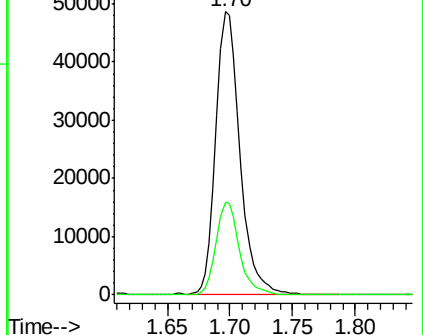
64 100

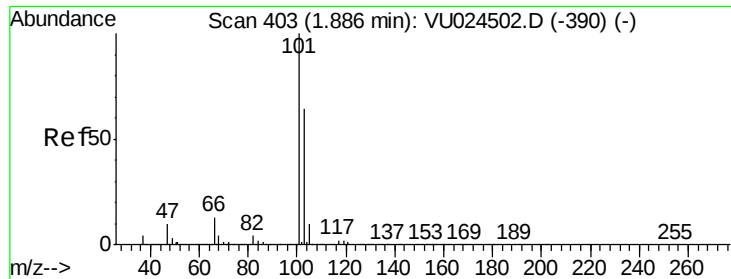
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024732.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024732.D (-251) (-)





#7

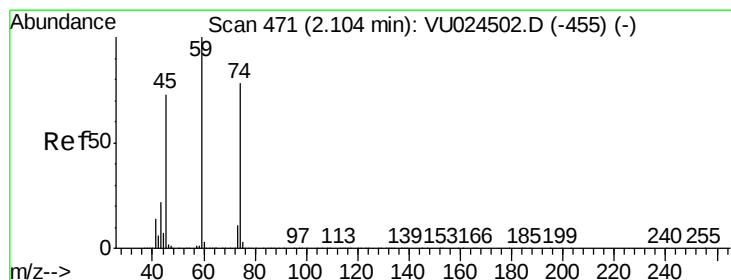
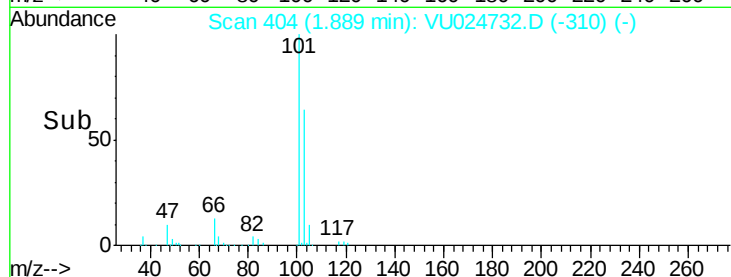
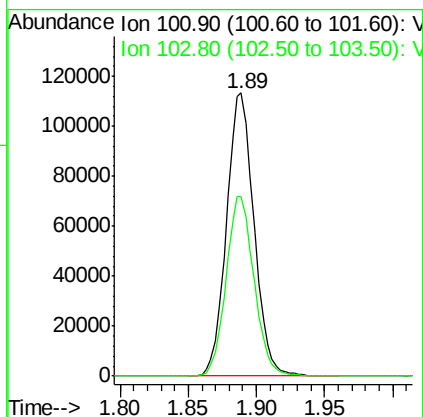
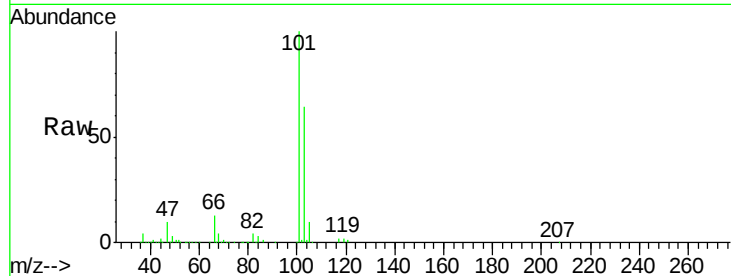
Trichlorofluoromethane
 Concen: 52.51 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.3	78.5

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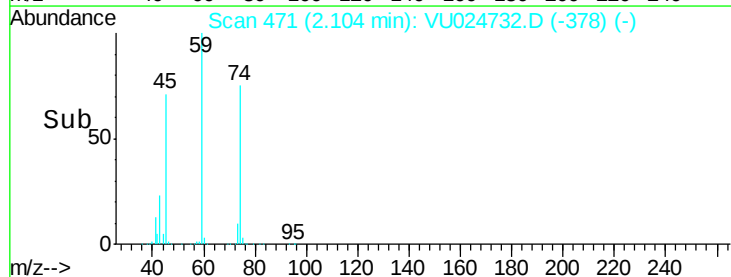
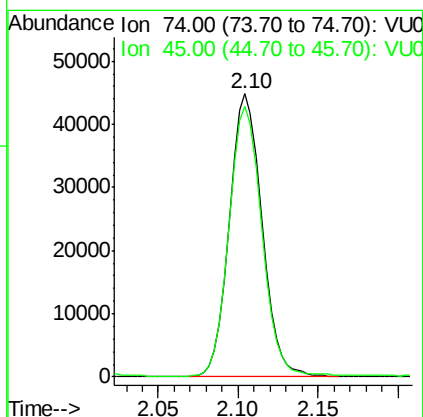
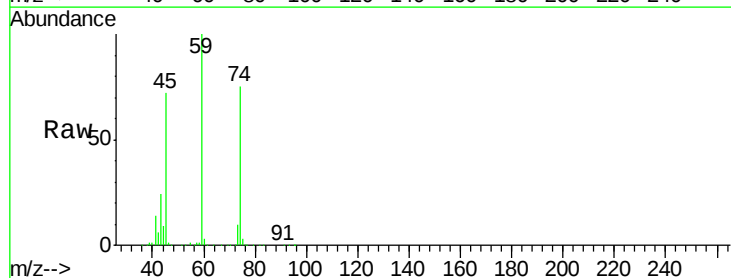
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#8

Diethyl Ether
 Concen: 60.86 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.93 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

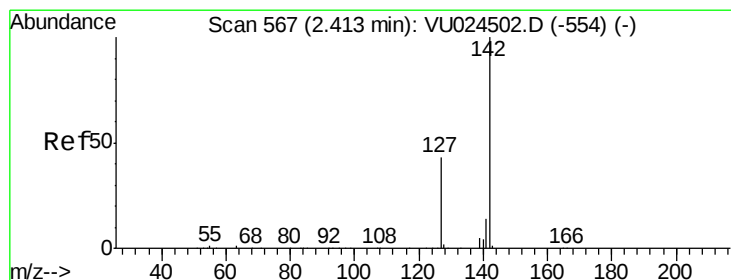
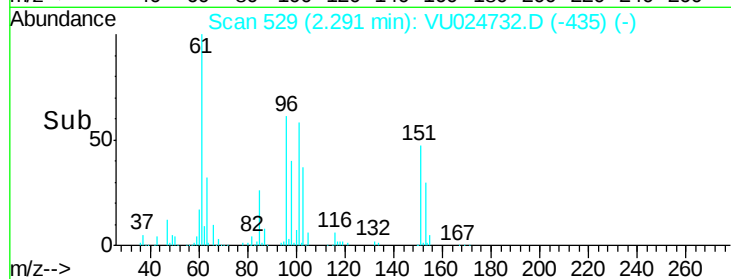
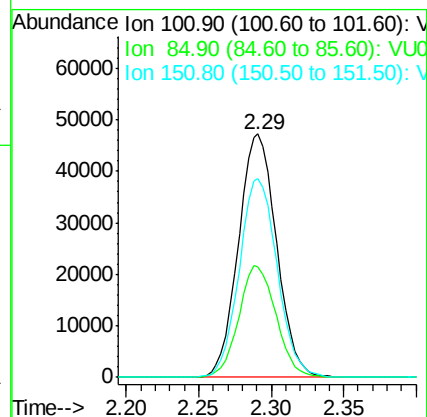
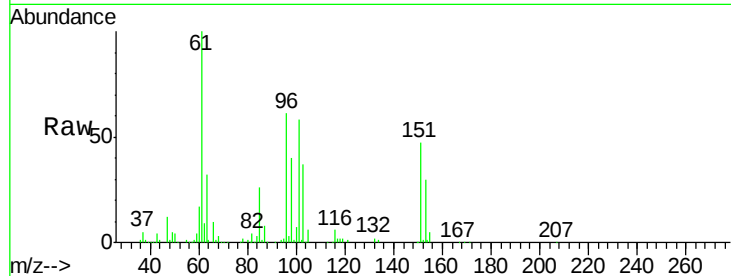
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	101	Resp:	86208
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	81.6	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 58.59 ug/l

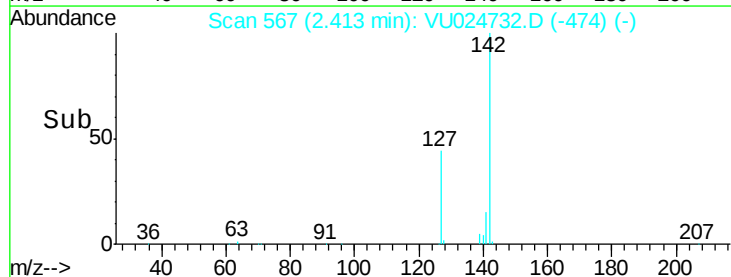
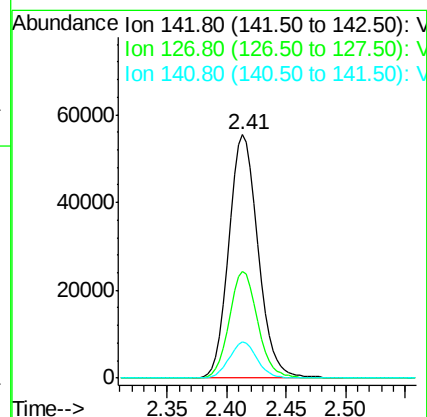
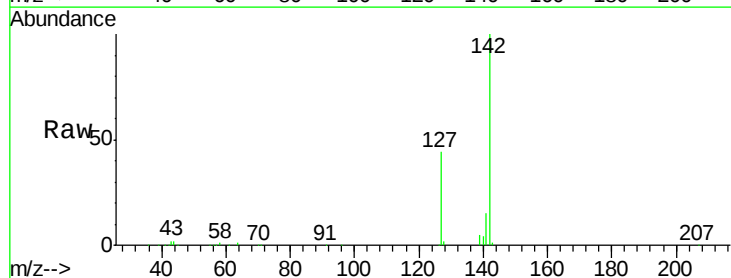
RT: 2.41 min Scan# 567

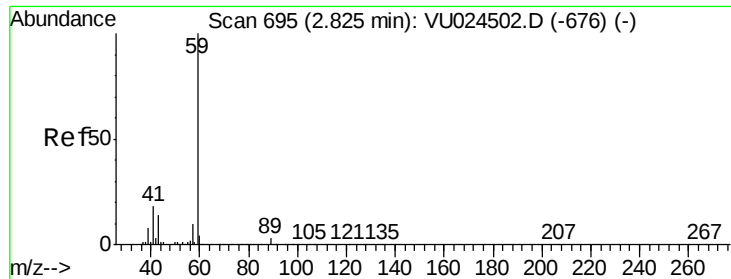
Delta R.T. 0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	142	Resp:	94682
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.6	53.4
141	14.1	11.7	17.5





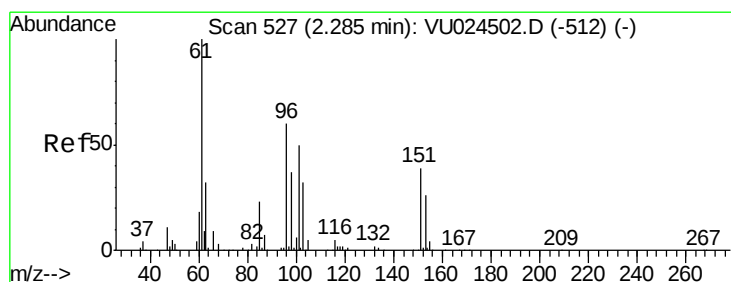
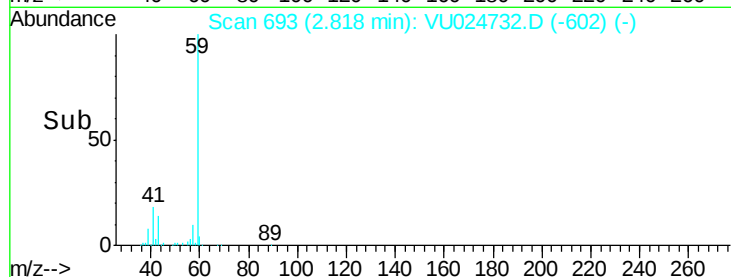
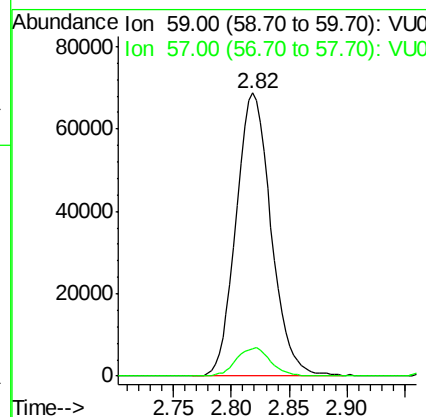
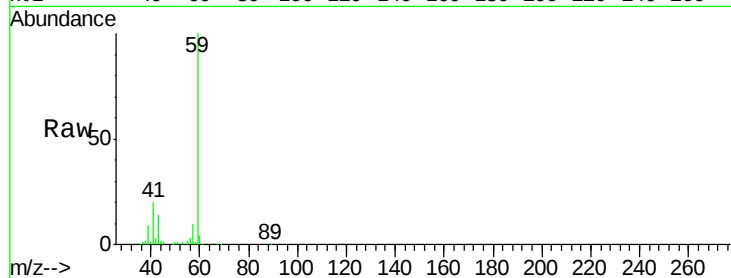
#11
Tert butyl alcohol
Concen: 241.24 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

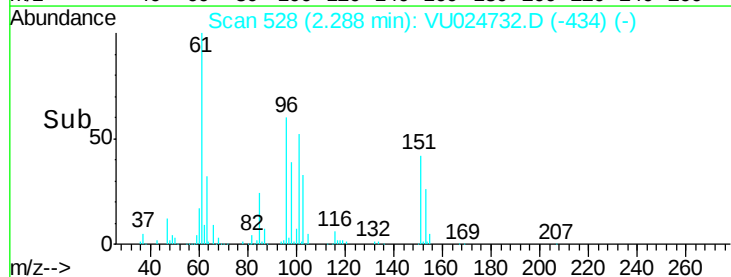
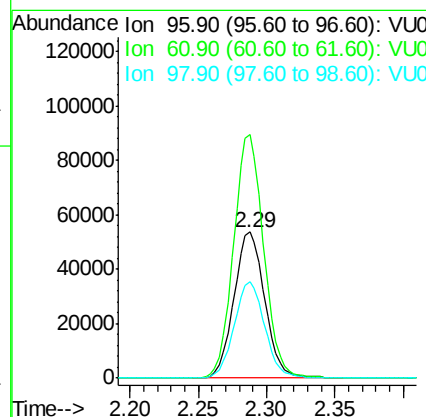
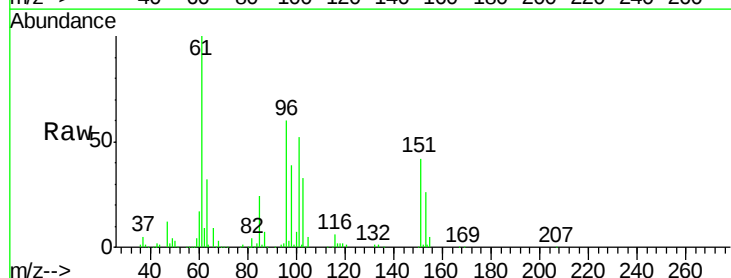
Manual Integrations
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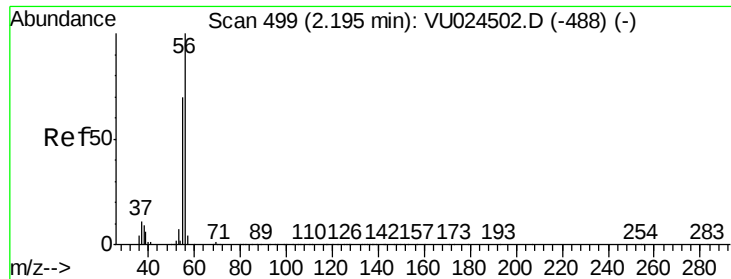
MMDadoda
6/19/2018 1:55:10 PM



#12
1,1-Dichloroethene
Concen: 49.19 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	141.7	212.5
98	65.8	51.6	77.4





#13

Acrolein

Concen: 147.39 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 56 Resp: 46194

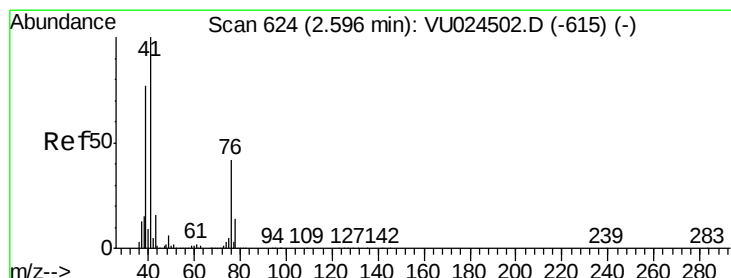
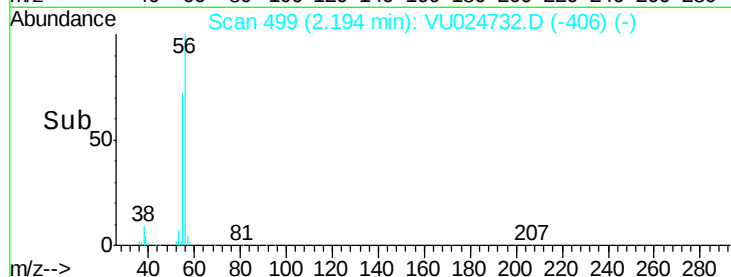
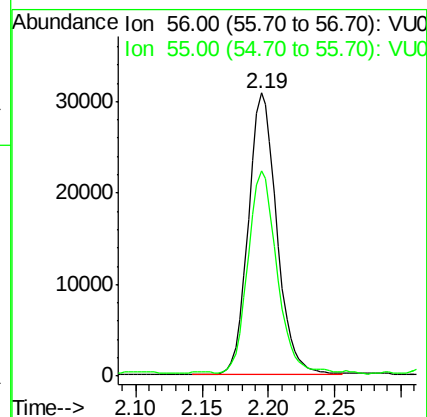
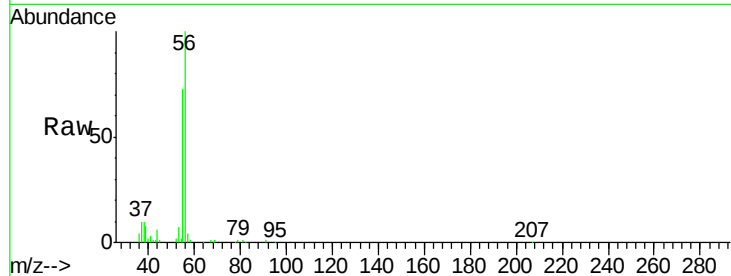
Ion Ratio Lower Upper

56 100

55 72.4 58.4 87.6

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#14

Allyl chloride

Concen: 39.72 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

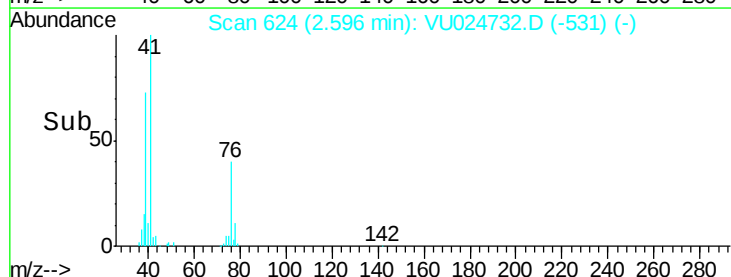
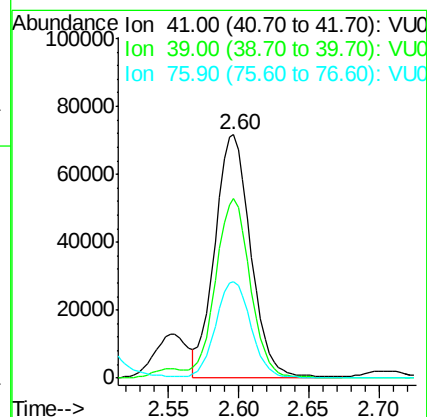
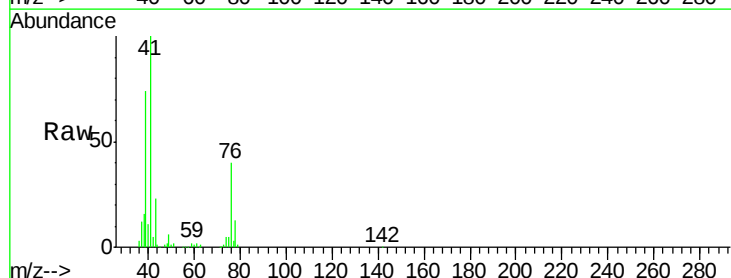
Tgt Ion: 41 Resp: 126216

Ion Ratio Lower Upper

41 100

39 70.9 61.6 92.4

76 39.3 29.7 44.5





#15

Acrylonitrile

Concen: 283.71 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

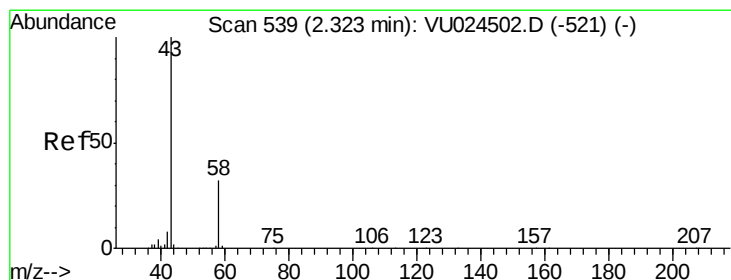
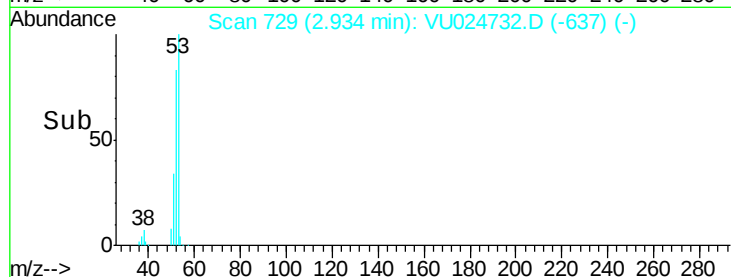
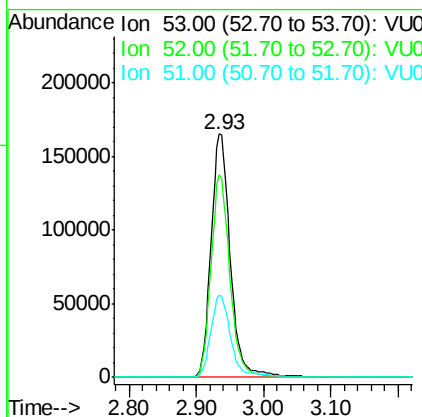
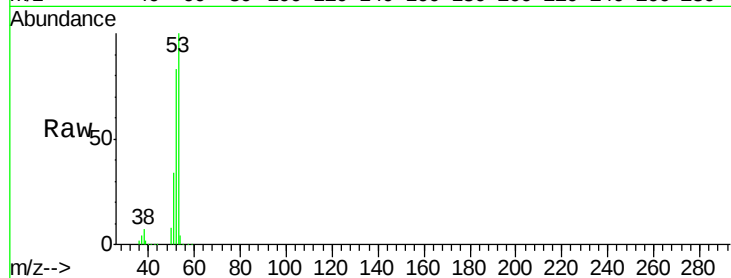
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	53	Resp:	329438
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.1	100.7
51	35.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 213.28 ug/l

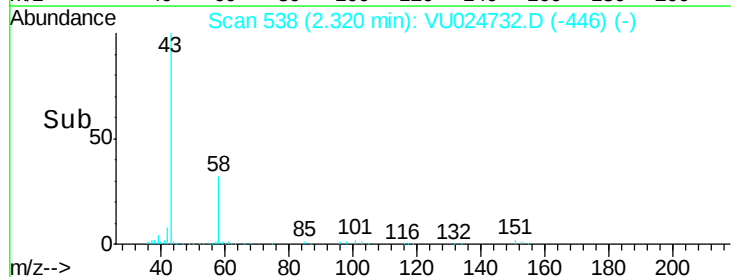
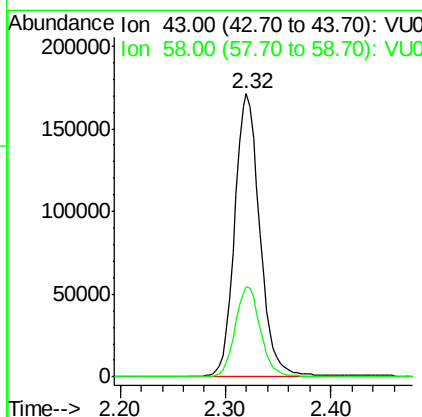
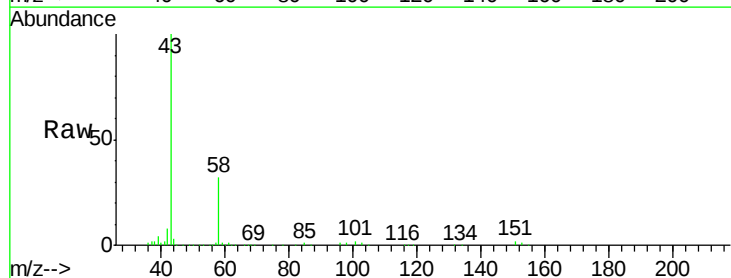
RT: 2.32 min Scan# 538

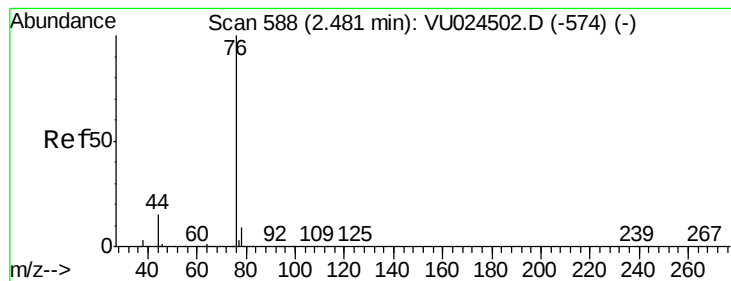
Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	43	Resp:	281205
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.4	36.6





#17

Carbon Disulfide

Concen: 44.15 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 76 Resp: 241956

Ion Ratio Lower Upper

76 100

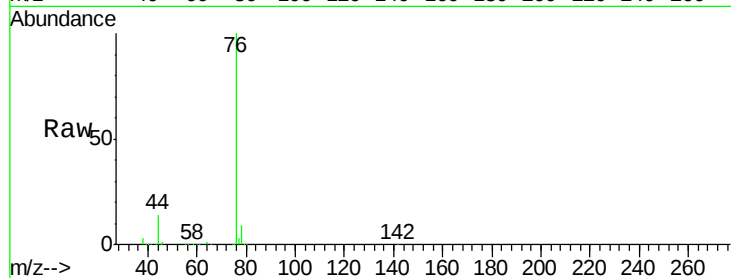
78 9.3 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

150000

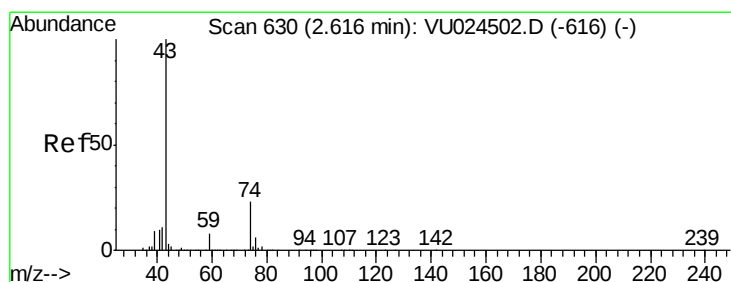
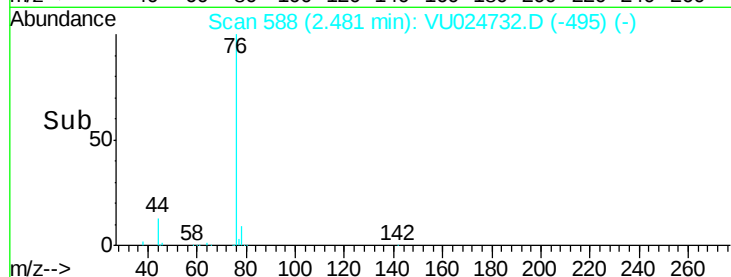
100000

50000

0

2.40 2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 44.31 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024732.D

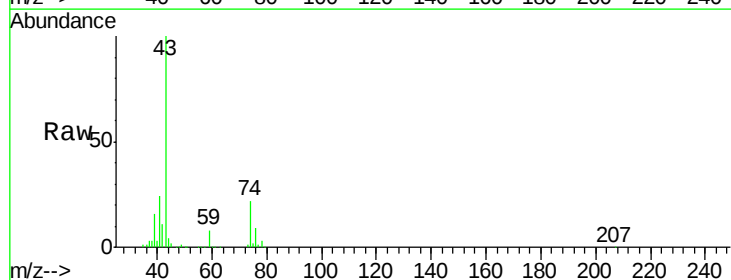
Acq: 19 Jun 2018 08:46

Tgt Ion: 43 Resp: 125233

Ion Ratio Lower Upper

43 100

74 23.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

80000

60000

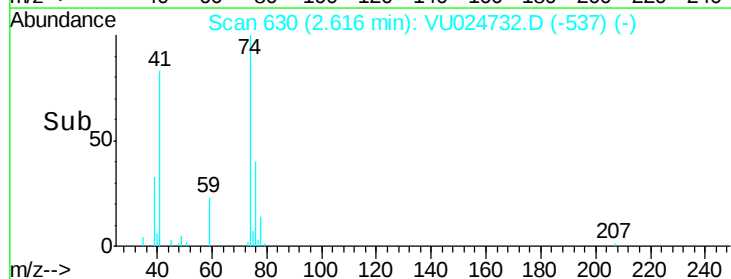
40000

20000

0

2.55 2.60 2.65 2.70

Time-->





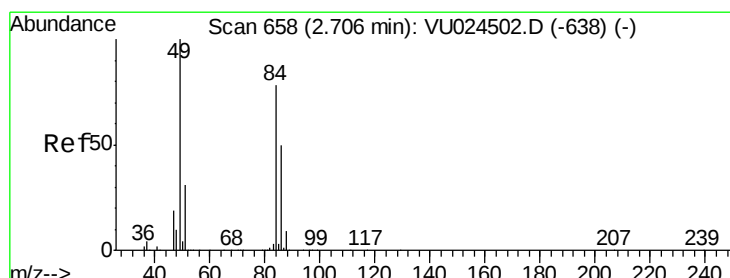
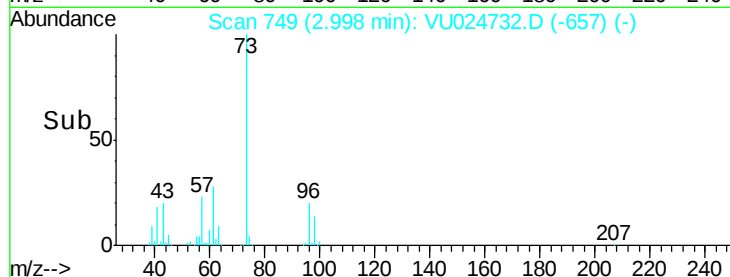
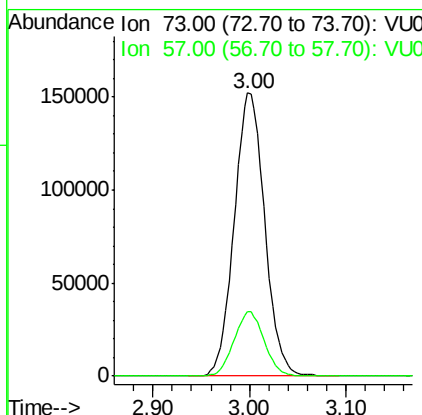
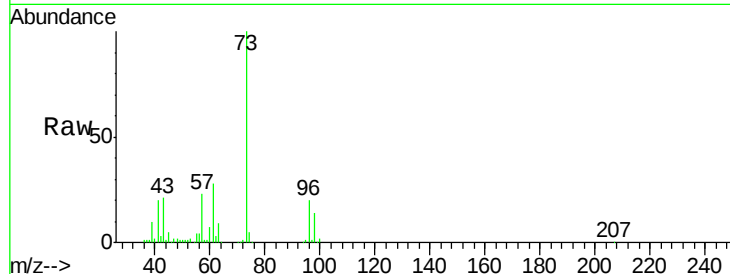
#19
Methyl tert-butyl Ether
Concen: 51.77 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion: 73 Resp: 333069
Ion Ratio Lower Upper
73 100
57 22.8 18.8 28.2

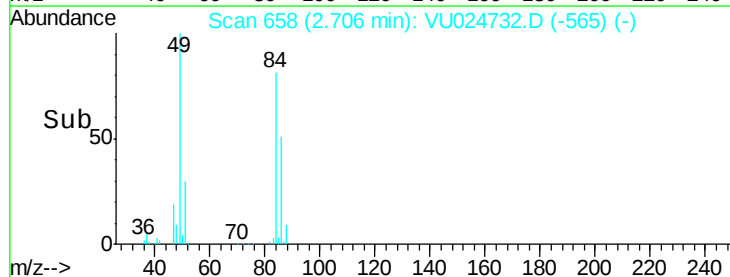
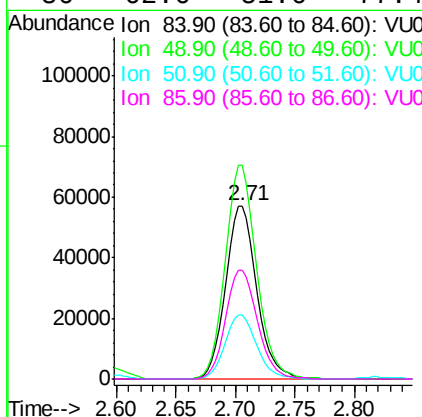
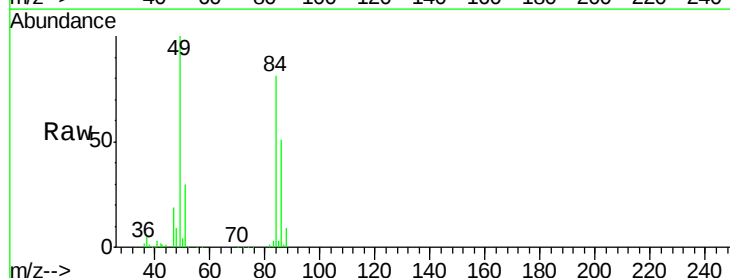
Manual Integrations
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#20
Methylene Chloride
Concen: 50.07 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion: 84 Resp: 103580
Ion Ratio Lower Upper
84 100
49 123.0 103.8 155.8
51 36.7 32.0 48.0
86 62.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.84 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

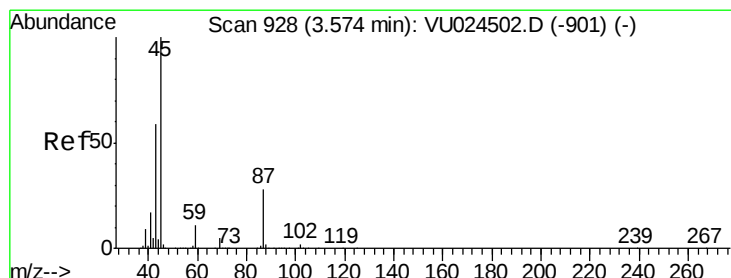
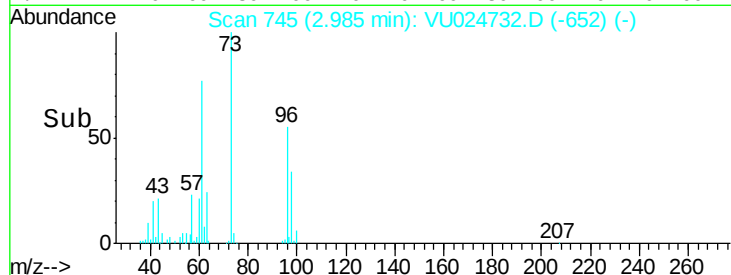
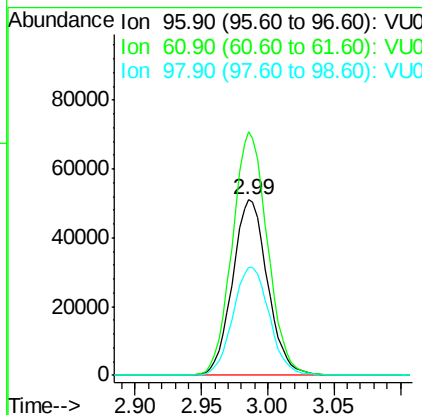
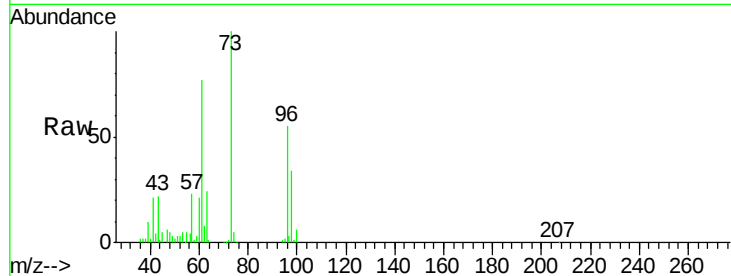
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	96	Resp:	93957
Ion Ratio	Lower	Upper	
96	100		
61	138.8	119.4	179.0
98	61.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.88 ug/l

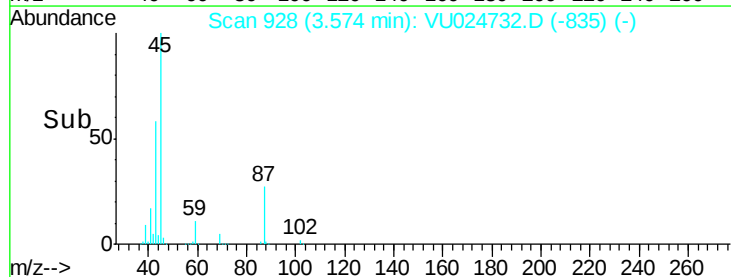
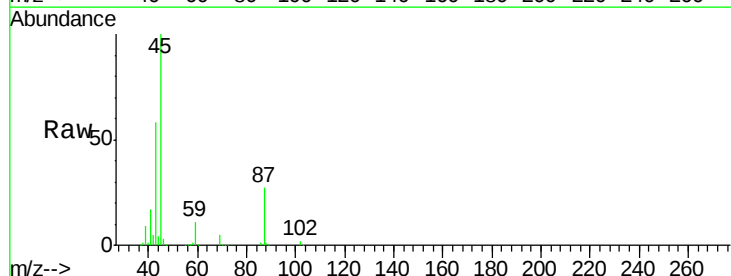
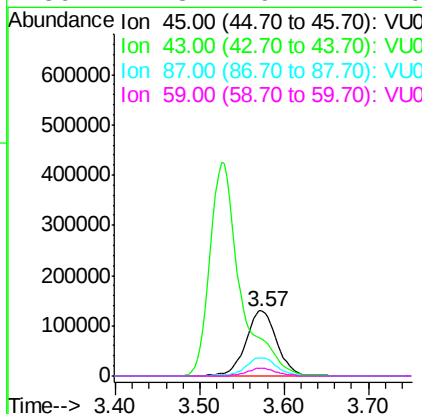
RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	45	Resp:	333101
Ion Ratio	Lower	Upper	
45	100		
43	56.8	45.8	68.6
87	27.2	20.6	31.0
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 189.83 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 43 Resp: 1071267

Ion Ratio Lower Upper

43 100

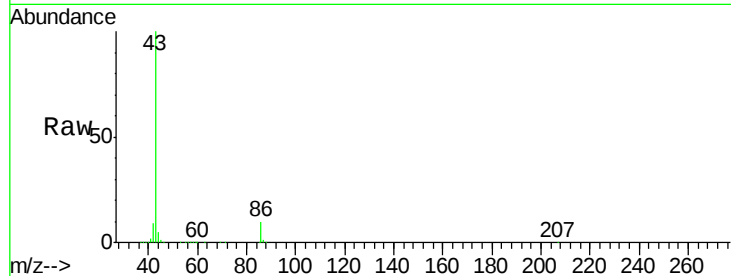
86 10.3 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

400000

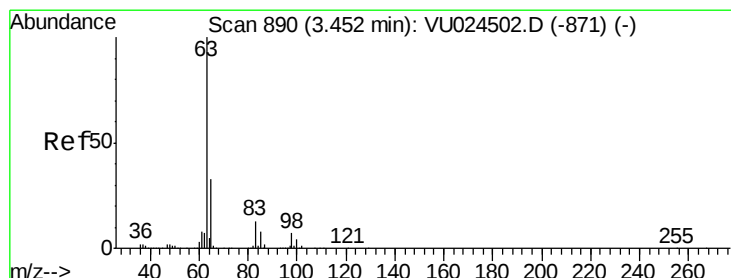
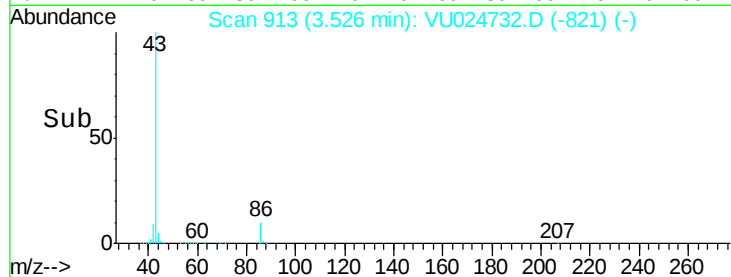
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.63 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

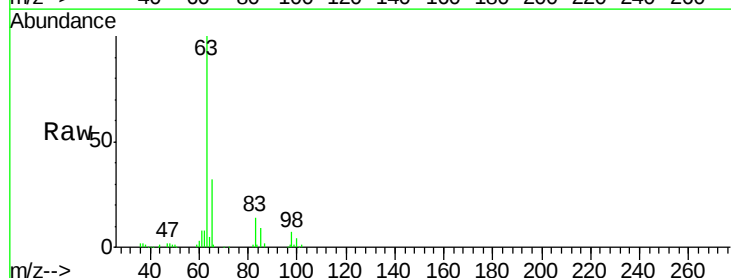
Tgt Ion: 63 Resp: 187106

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 3.9 1.8 5.5



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

100000

80000

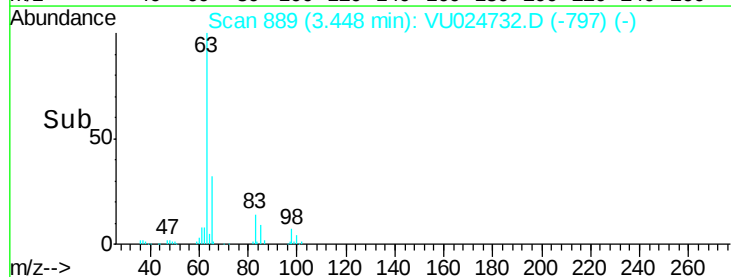
60000

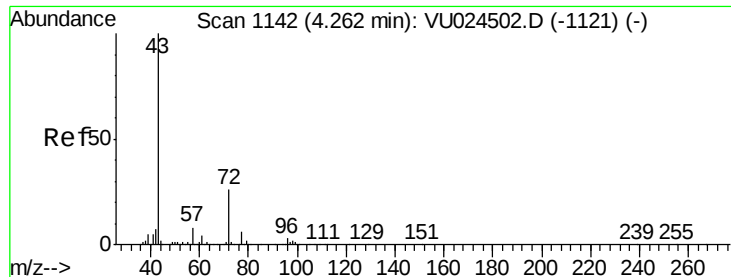
40000

20000

0

Time-->





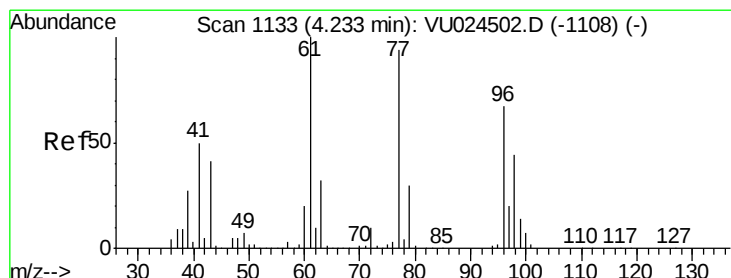
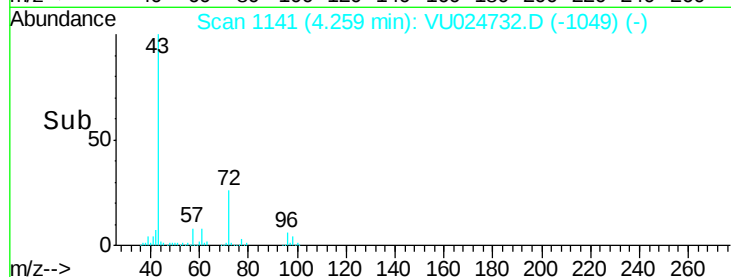
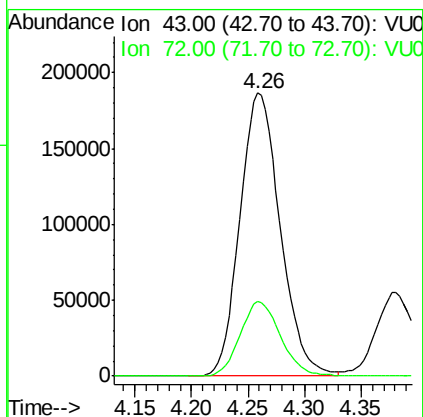
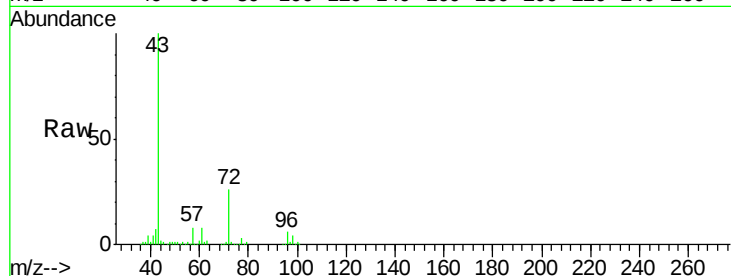
#25
2-Butanone
Concen: 260.55 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion: 43 Resp: 461450
Ion Ratio Lower Upper
43 100
72 26.2 19.6 29.4

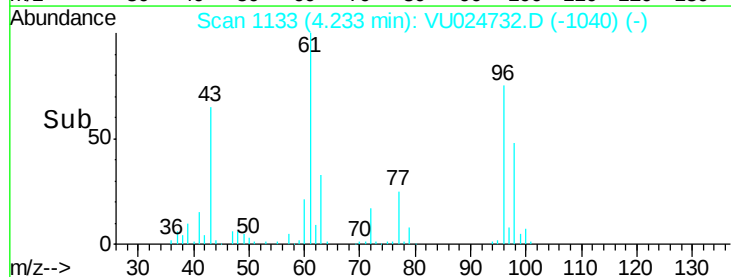
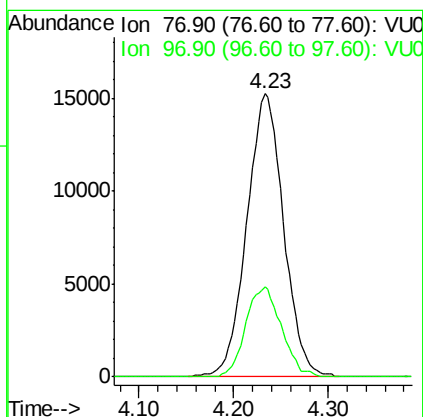
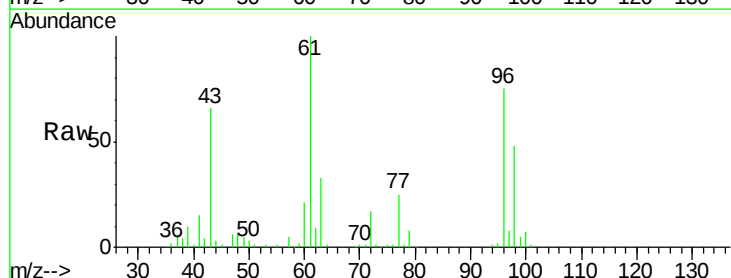
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 11.95 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion: 77 Resp: 41138
Ion Ratio Lower Upper
77 100
97 30.8 11.3 33.8





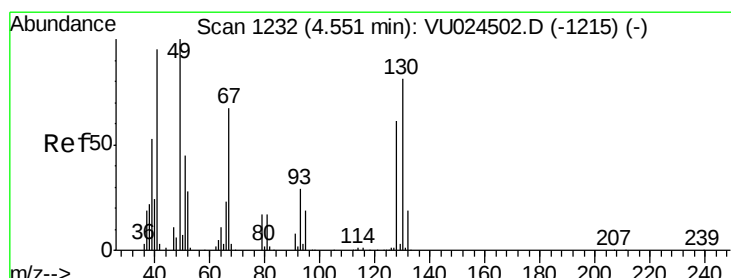
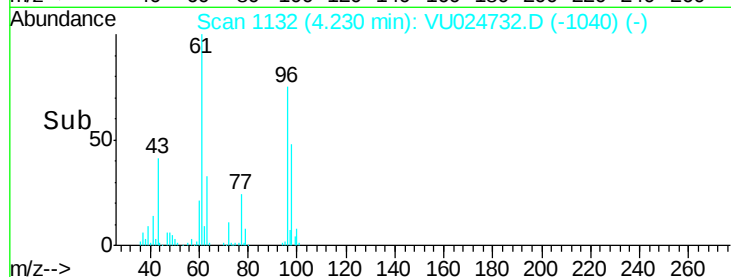
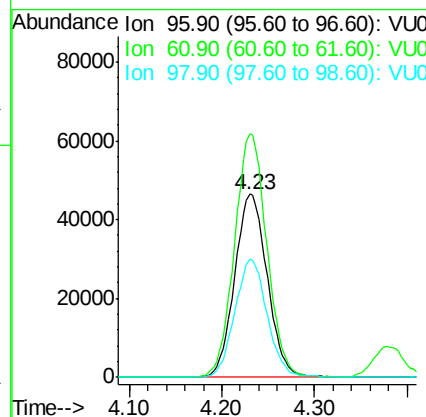
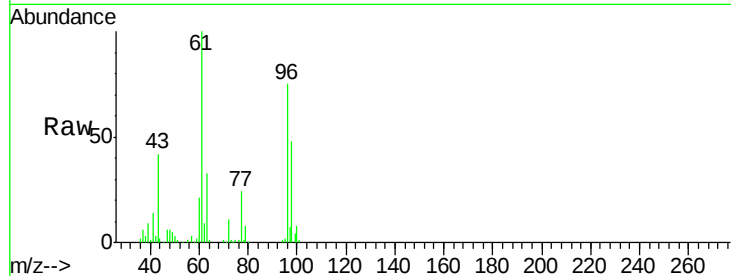
#27
 cis-1,2-Dichloroethene
 Concen: 52.18 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	306.6
98	63.8	0.0	128.8

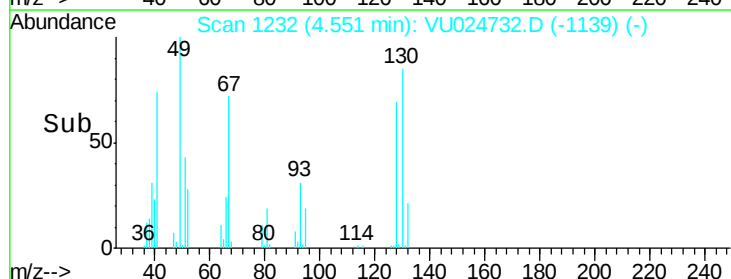
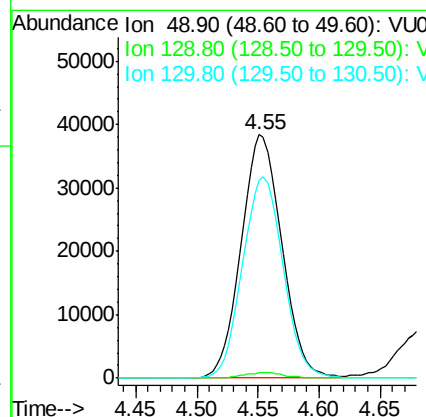
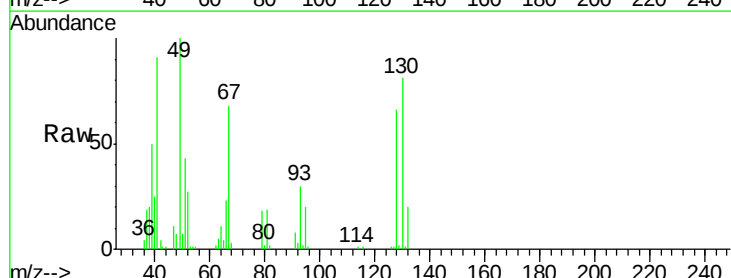
Manual Integrations
 APPROVED

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 6/19/2018 1:55:10 PM



#28
 Bromochloromethane
 Concen: 55.57 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	82.4	57.8	86.6





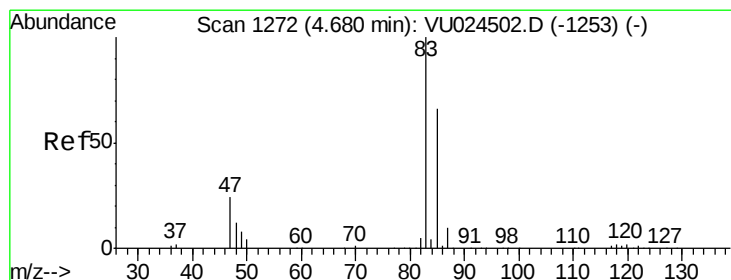
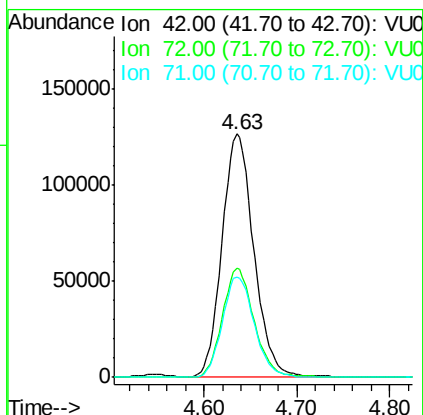
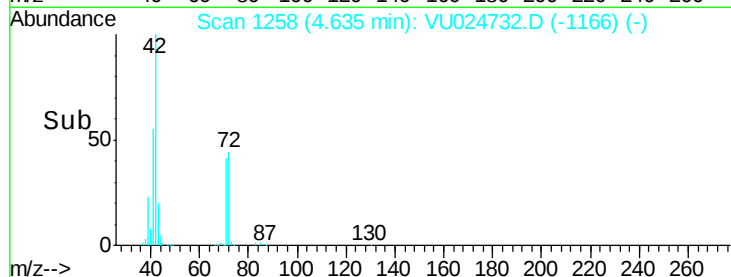
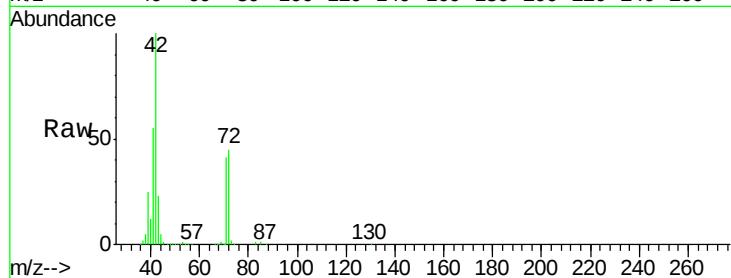
#29
Tetrahydrofuran
Concen: 272.69 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	41.8	32.2	48.4

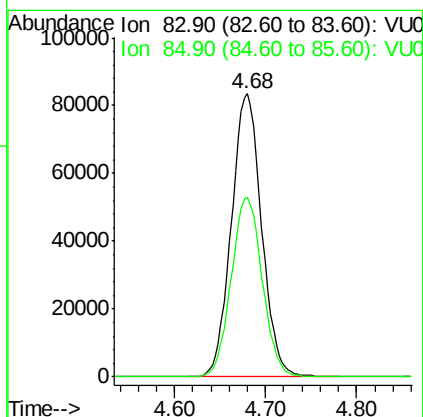
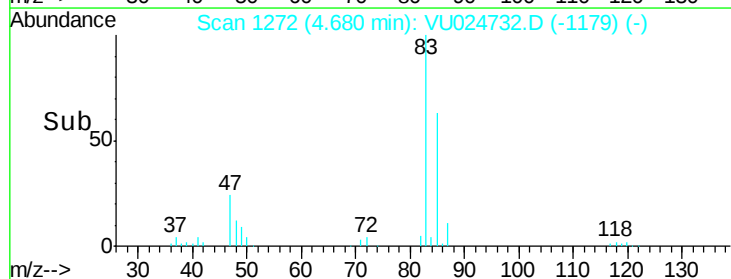
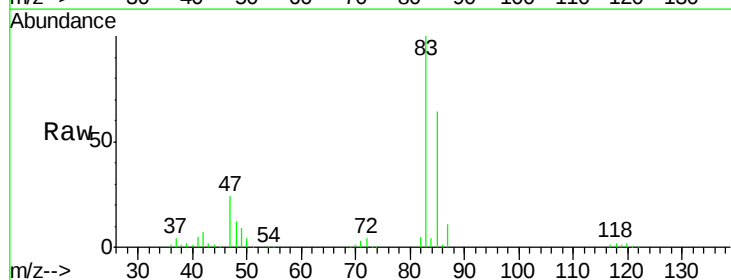
Manual Integrations
APPROVED

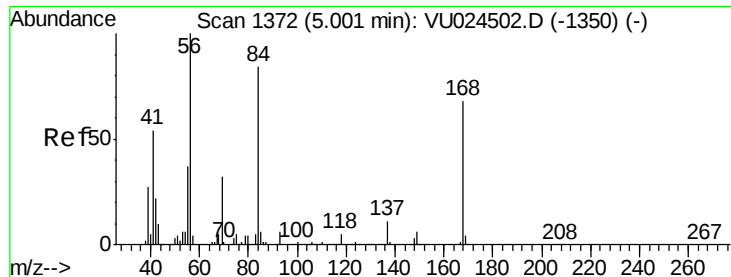
MMDadoda
6/19/2018 1:55:10 PM



#30
Chloroform
Concen: 52.53 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





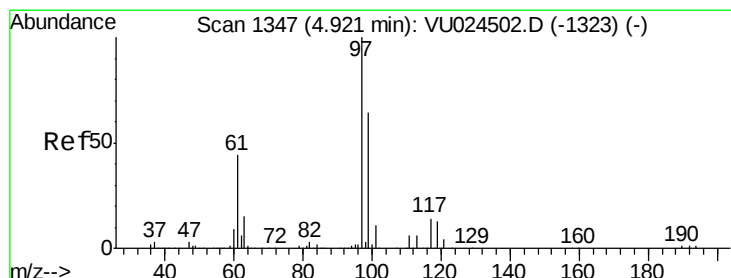
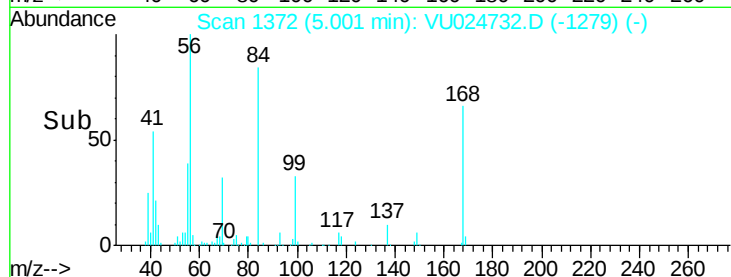
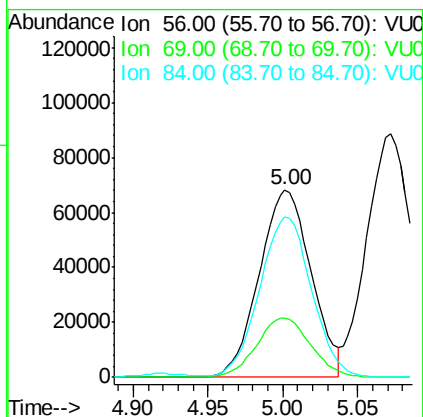
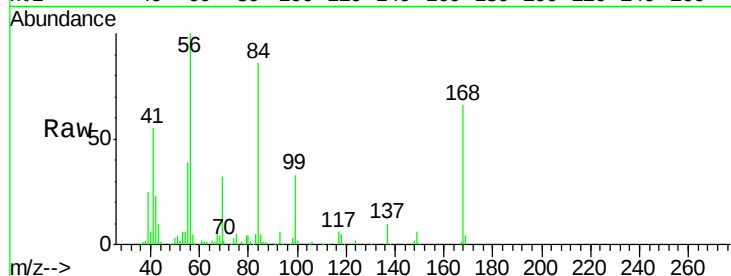
#31
Cyclohexane
Concen: 51.03 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.8	37.2
84	84.5	65.2	97.8

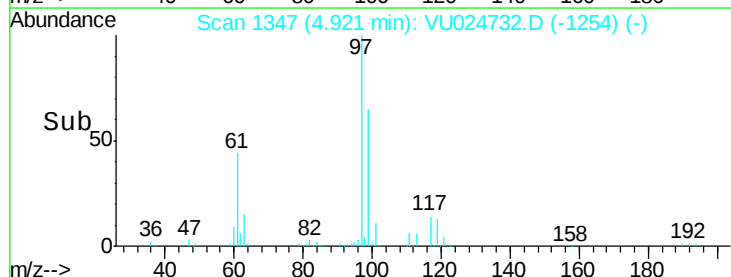
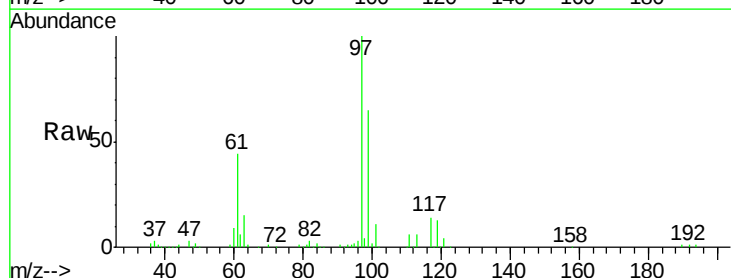
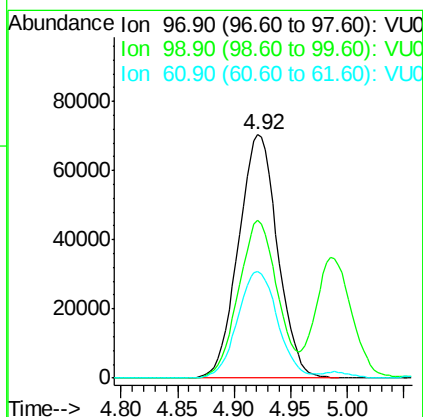
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 49.93 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	45.1	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 49.58 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 65 Resp: 121668

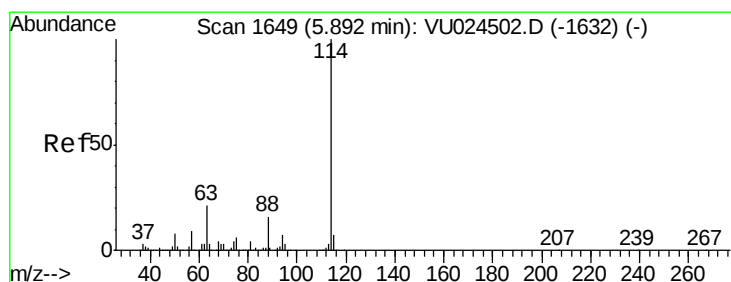
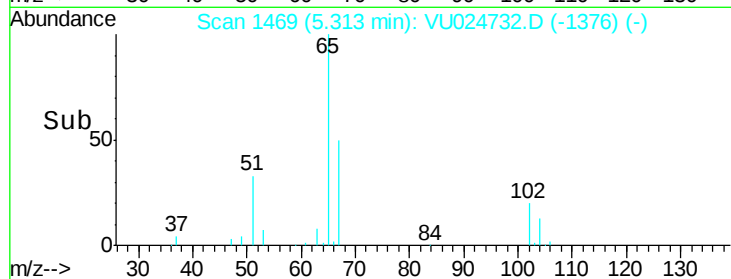
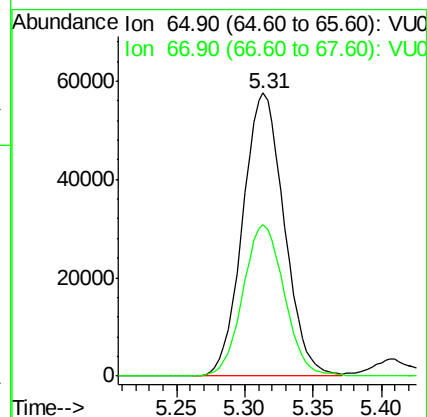
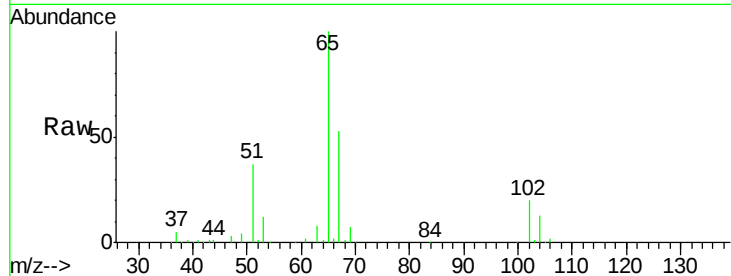
Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.0

Manual Integrations
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6/19/2018 1:55:10 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

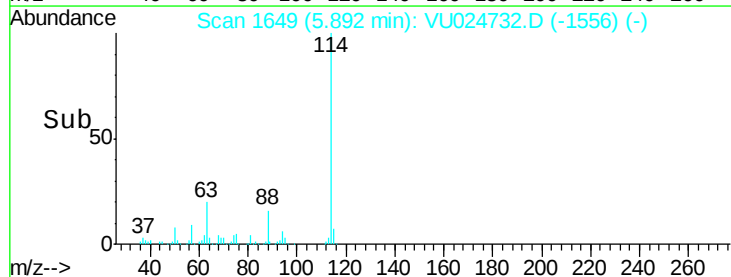
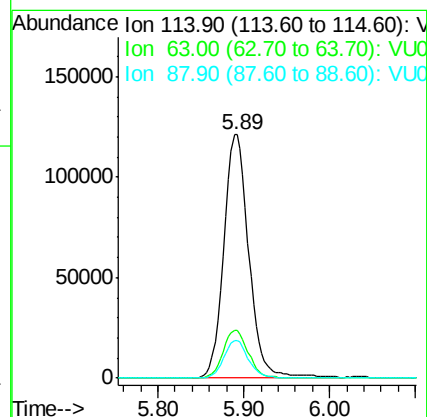
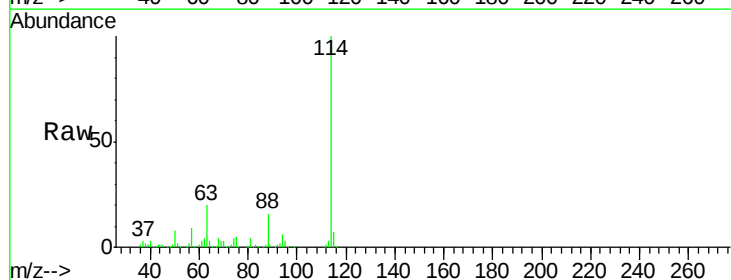
Tgt Ion: 114 Resp: 245810

Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.4

88 15.7 0.0 31.0





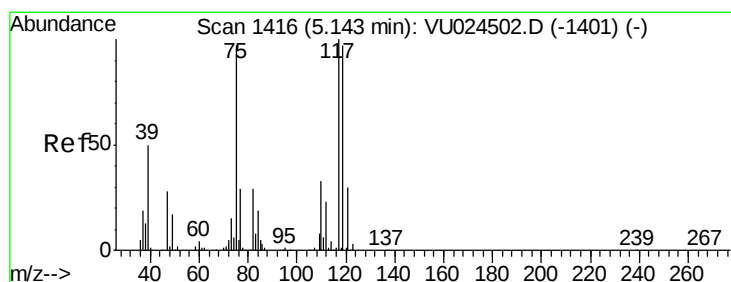
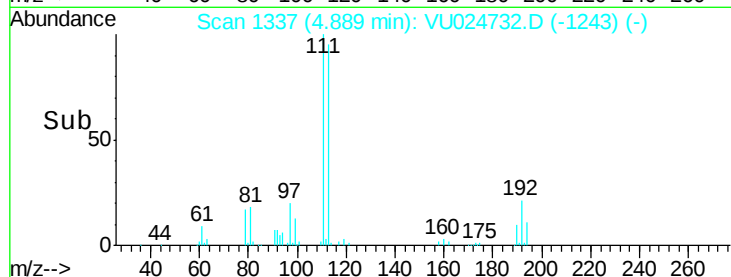
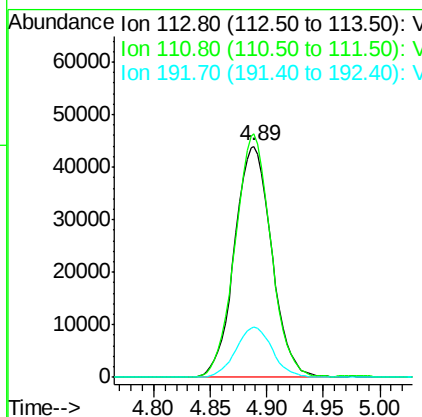
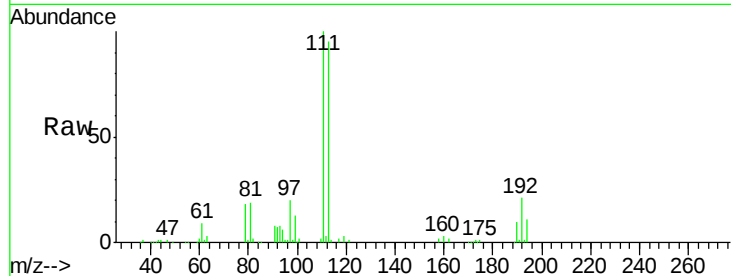
#35
Dibromofluoromethane
Concen: 49.25 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100480		
111	101.7	82.2	123.4	
192	21.4	16.2	24.4	

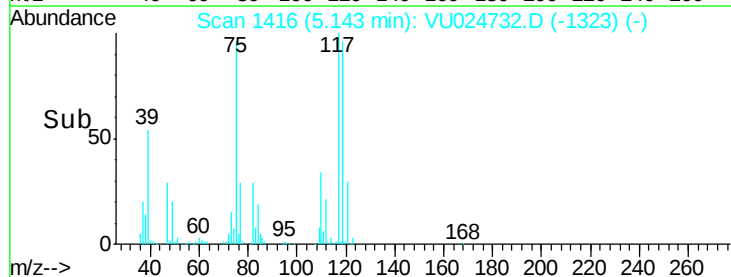
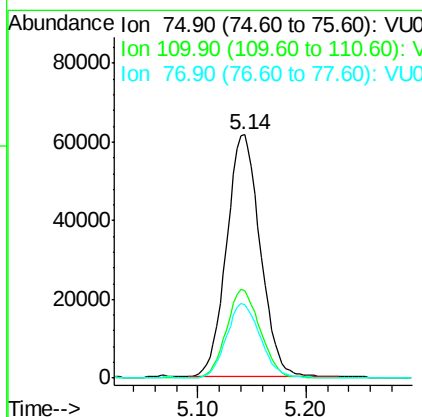
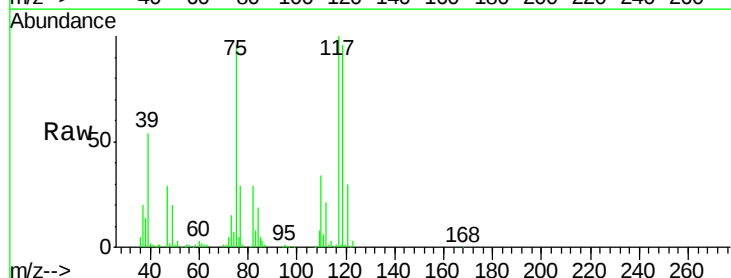
Manual Integrations
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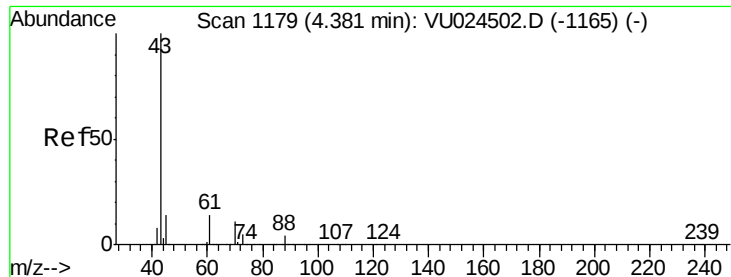
MMDadoda
6/19/2018 1:55:10 PM



#36
1,1-Dichloropropene
Concen: 46.03 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132943		
110	37.0	17.0	50.9	
77	30.5	24.2	36.4	





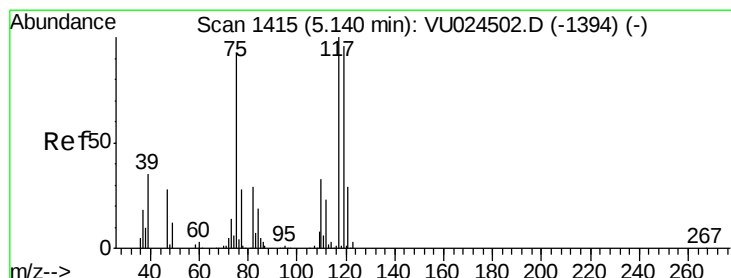
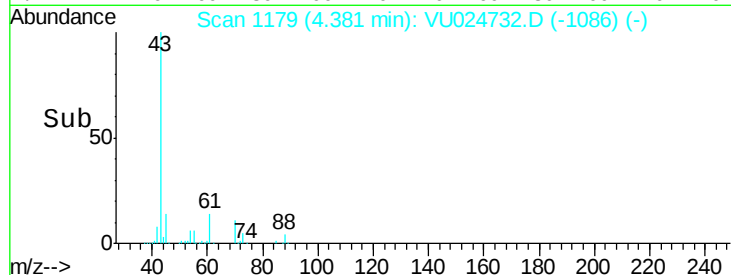
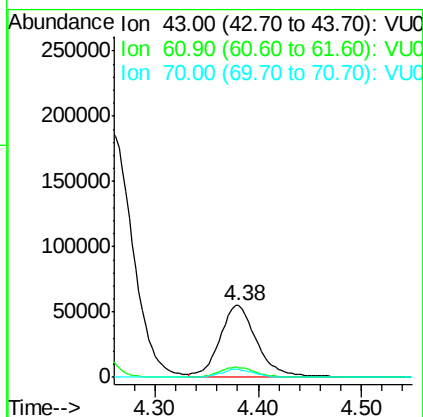
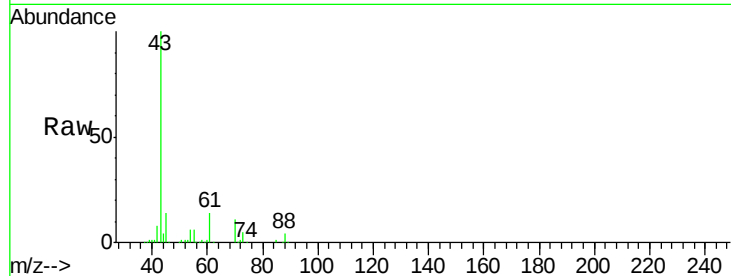
#37
Ethyl Acetate
Concen: 42.54 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.5	15.7
70	10.6	7.4	11.2

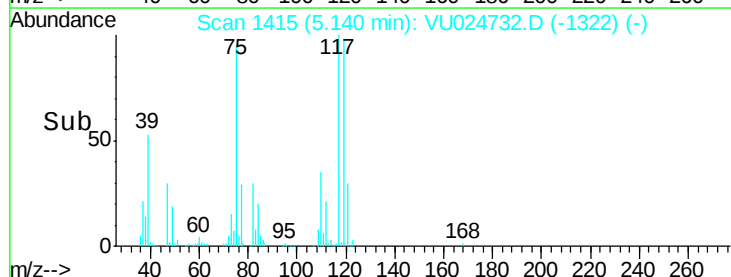
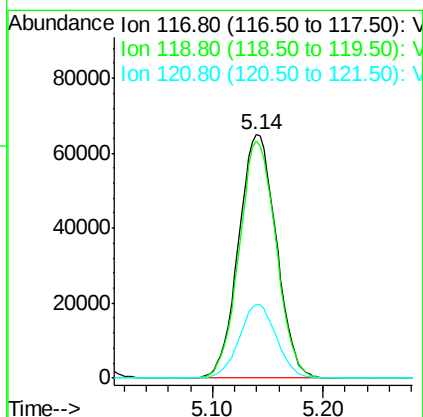
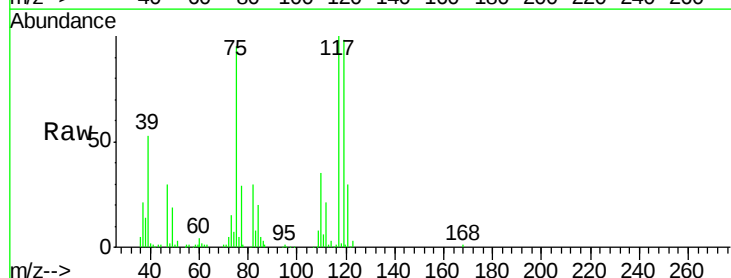
Manual Integrations
APPROVED

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6/19/2018 1:55:10 PM



#38
Carbon Tetrachloride
Concen: 48.36 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.1	114.1
121	30.0	23.7	35.5





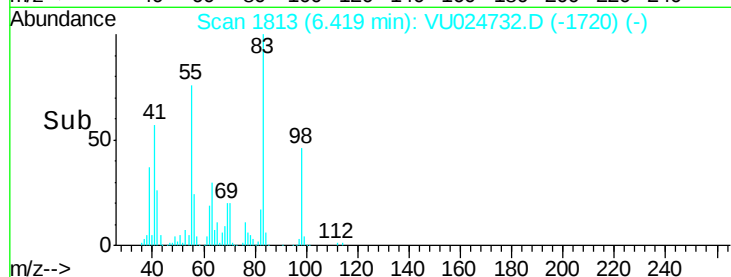
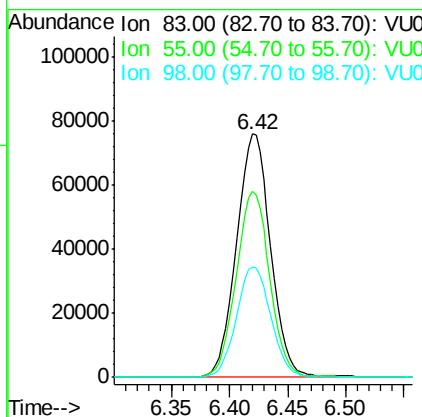
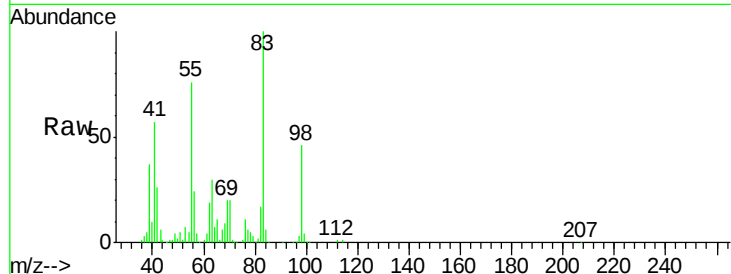
#39
Methvlcvclohexane
Concen: 42.96 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.8	98.6
98	45.6	36.7	55.1

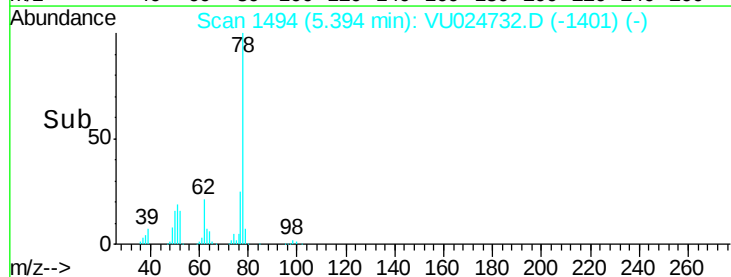
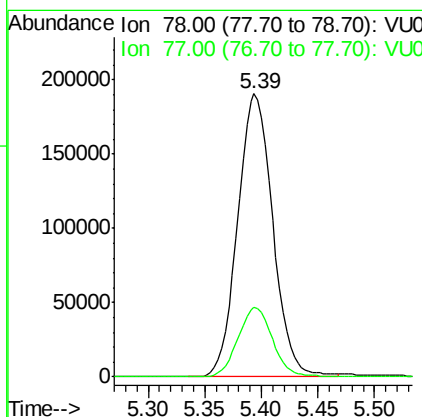
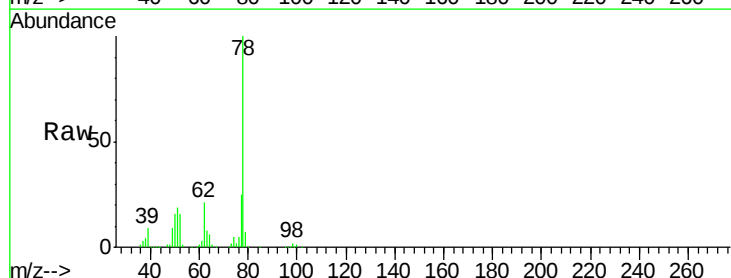
Manual Integrations
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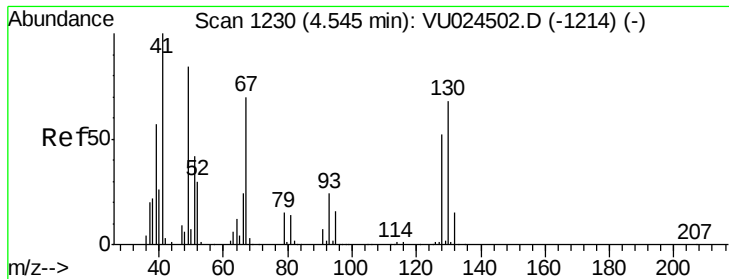
MMDadoda
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#40
Benzene
Concen: 50.14 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





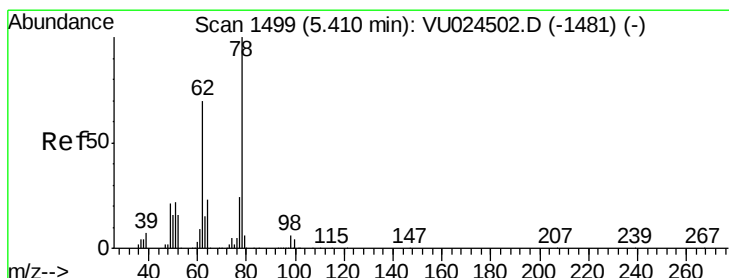
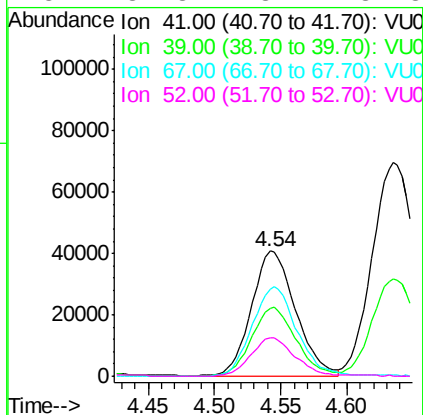
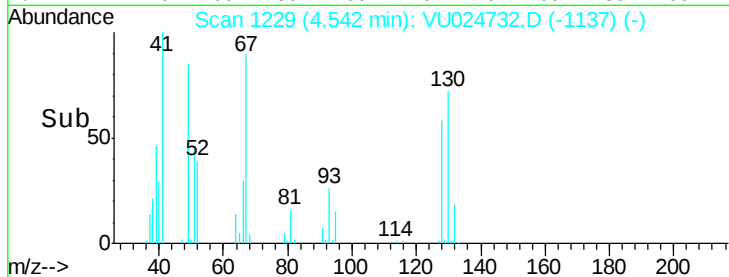
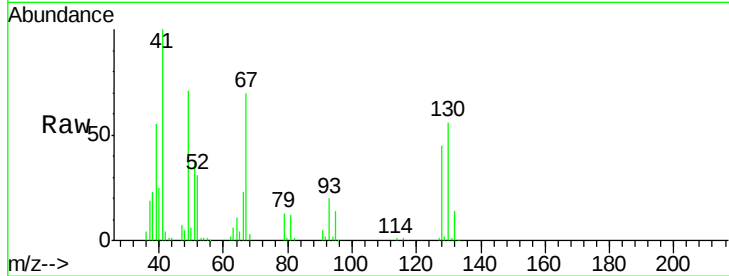
#41
Methacrylonitrile
Concen: 55.43 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion:	41	Resp:	94092
Ion Ratio	Lower	Upper	
41	100		
39	55.9	43.8	65.6
67	73.6	56.3	84.5
52	31.3	23.2	34.8

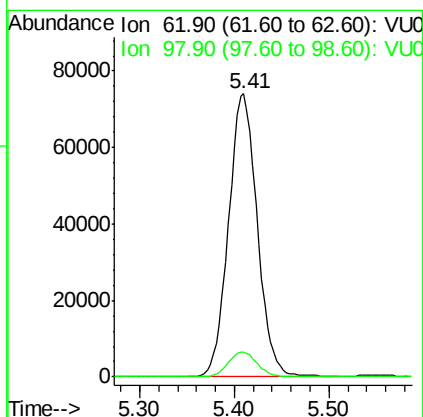
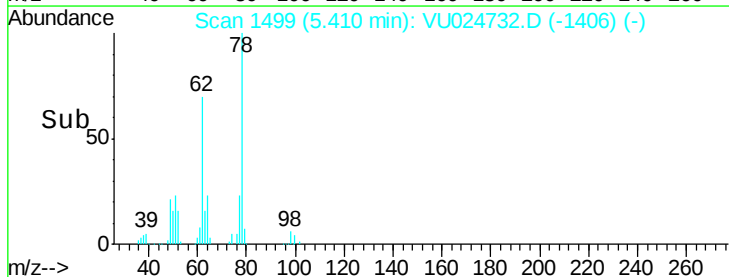
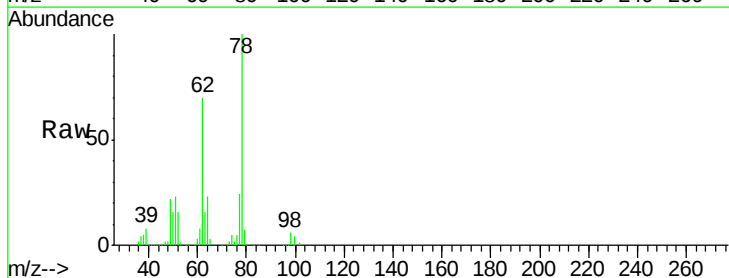
Manual Integrations
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6/19/2018 1:55:10 PM



#42
1,2-Dichloroethane
Concen: 49.87 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion:	62	Resp:	156337
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 43.86 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

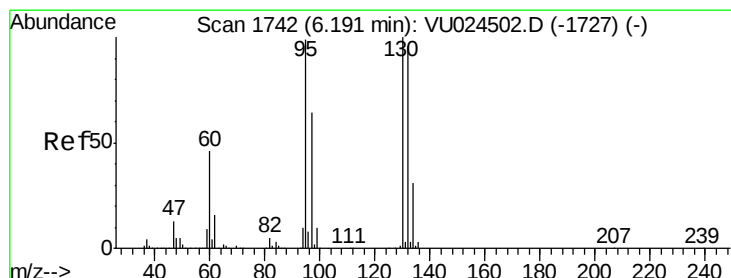
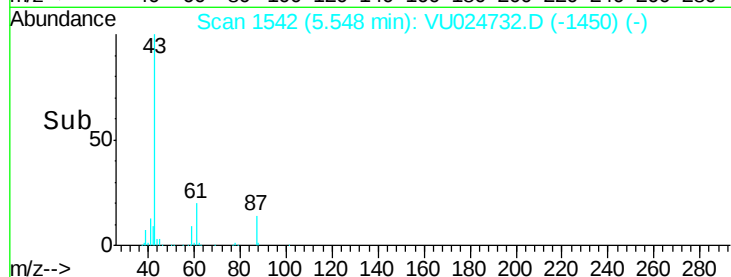
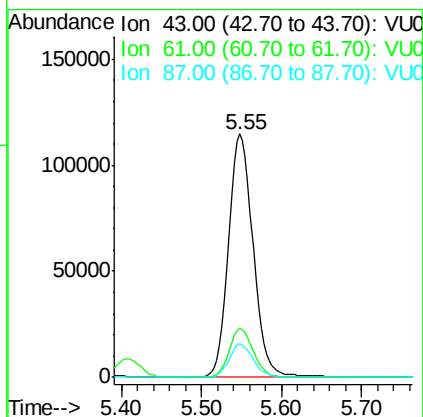
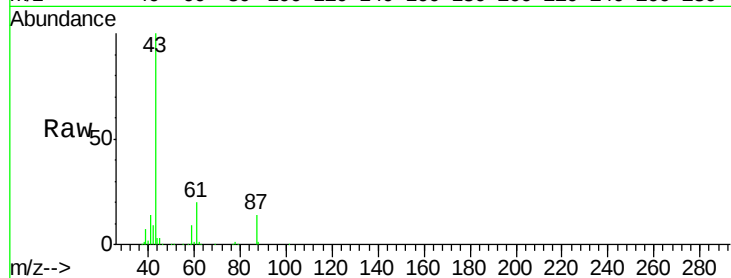
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	43	Resp:	238656
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
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6/19/2018 1:55:10 PM



#44

Trichloroethene

Concen: 47.59 ug/l

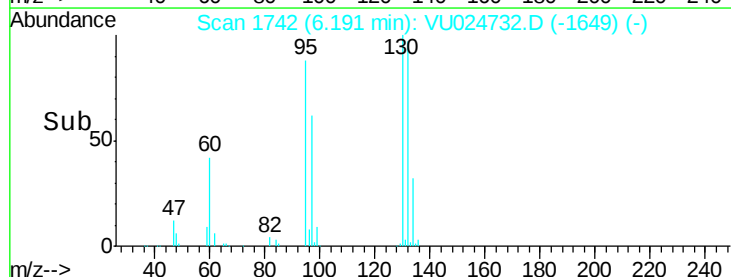
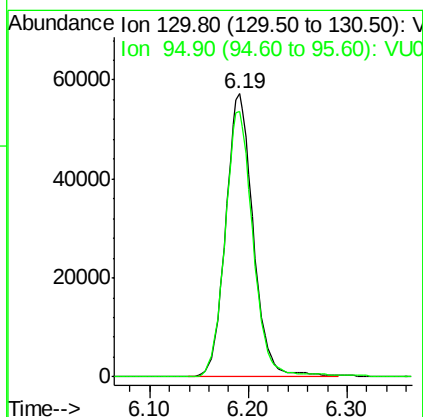
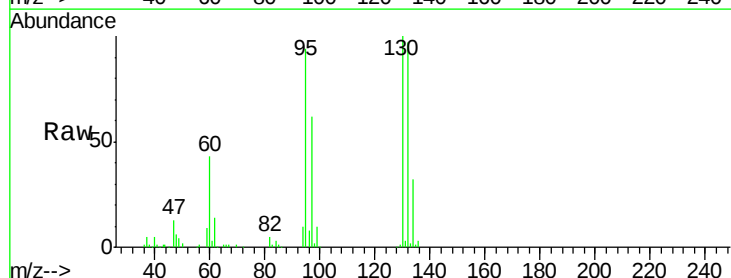
RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	130	Resp:	111469
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	202.4





#45

1,2-Dichloropropane

Concen: 51.07 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 63 Resp: 112151

Ion Ratio Lower Upper

63 100

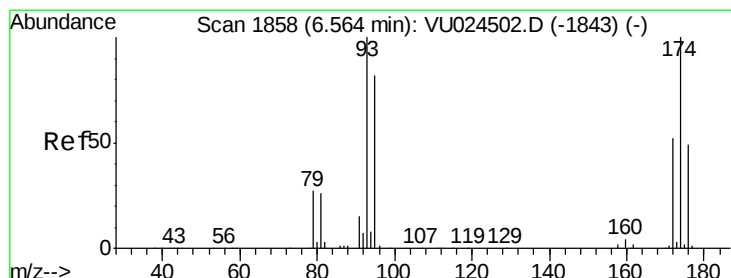
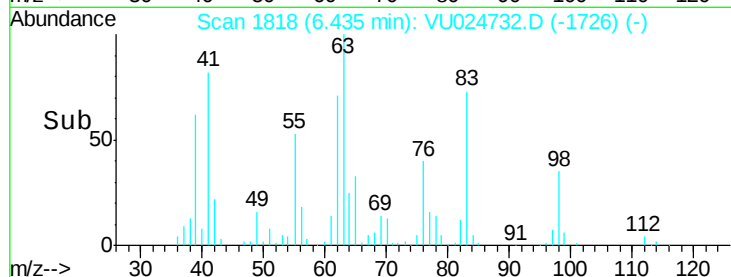
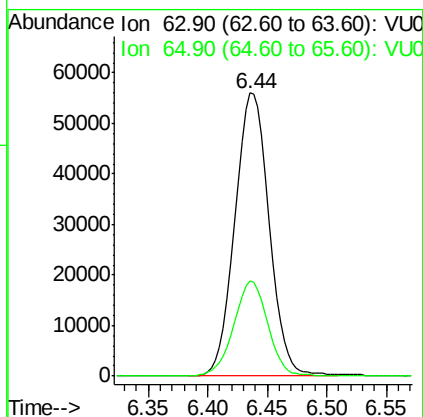
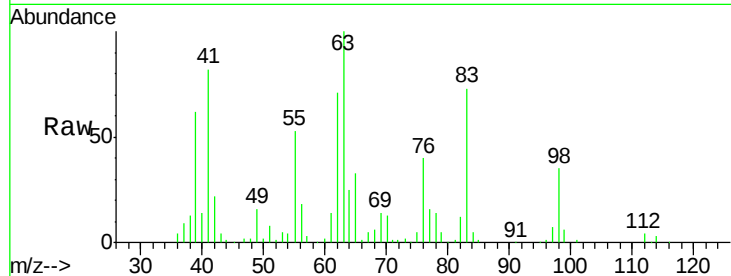
65 33.4 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 51.38 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

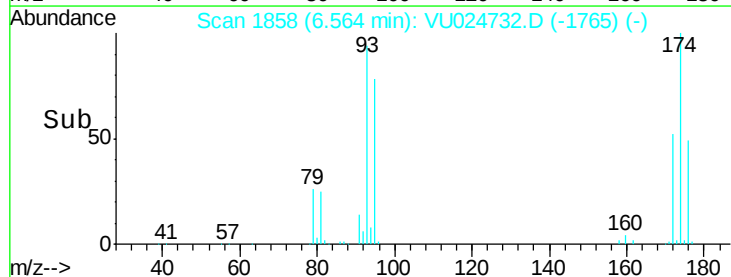
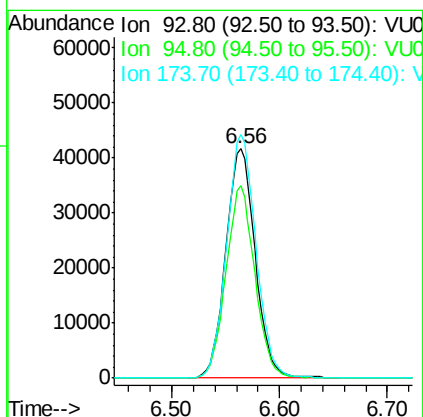
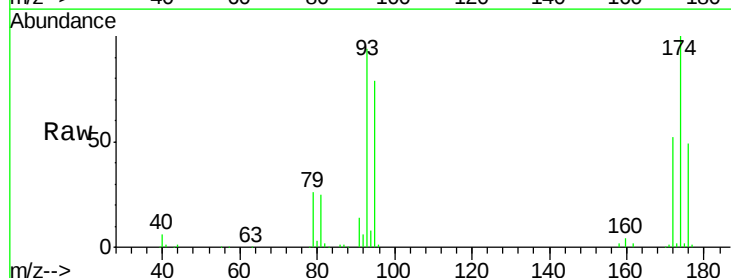
Tgt Ion: 93 Resp: 79251

Ion Ratio Lower Upper

93 100

95 82.4 65.5 98.3

174 106.0 78.7 118.1





#47

Bromodichloromethane

Concen: 49.38 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

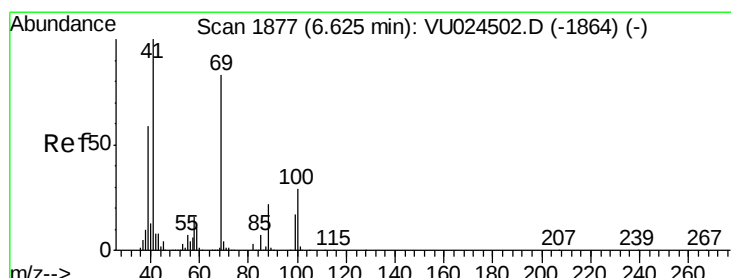
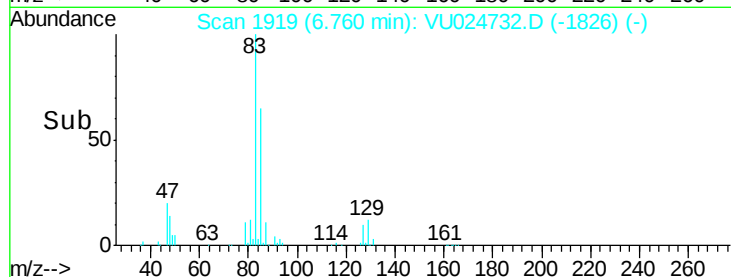
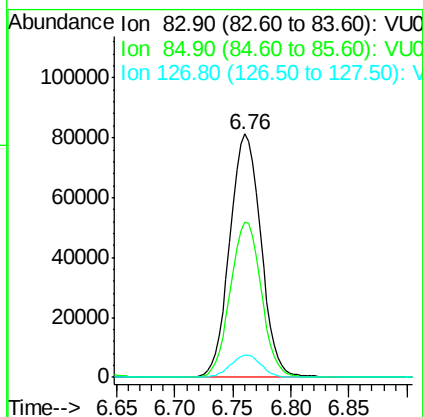
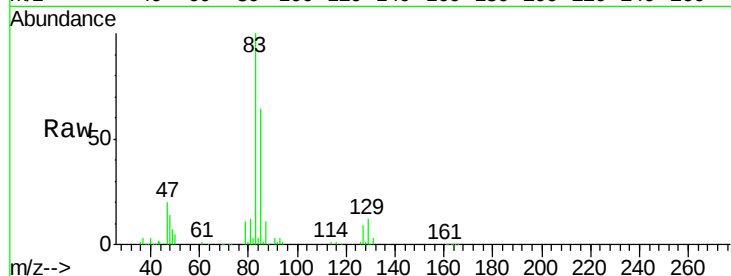
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	83	Resp:	151693
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.9	77.9
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.41 ug/l

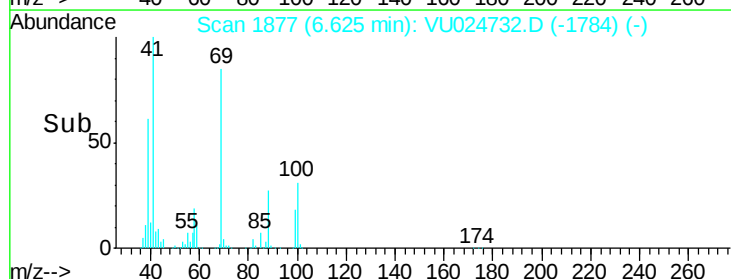
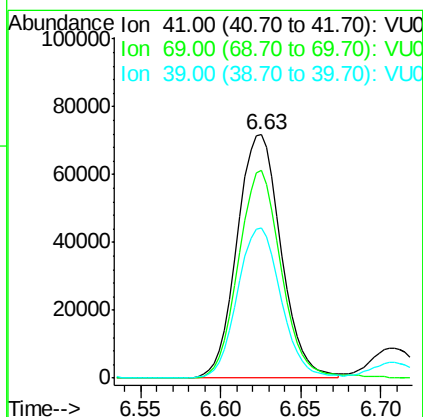
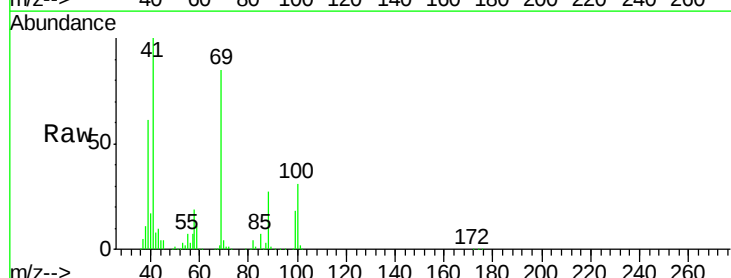
RT: 6.63 min Scan# 1877

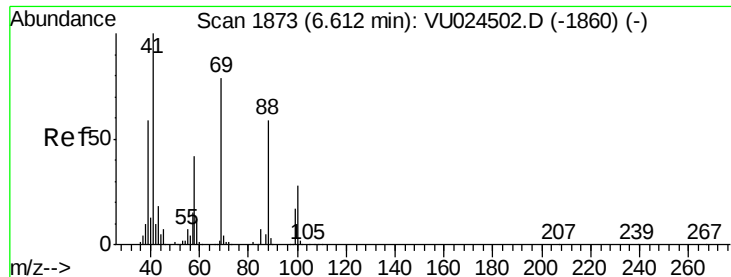
Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	41	Resp:	133582
Ion Ratio	Lower	Upper	
41	100		
69	84.4	67.3	100.9
39	61.2	46.5	69.7





#49

1,4-Dioxane

Concen: 1127.98 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

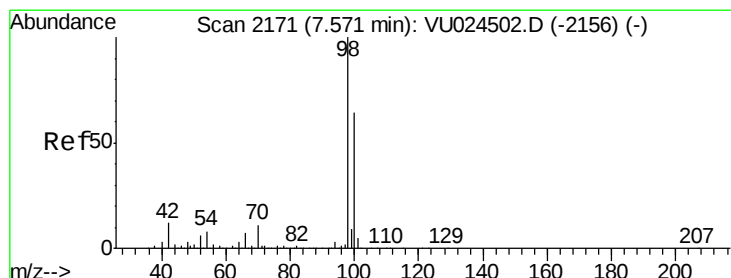
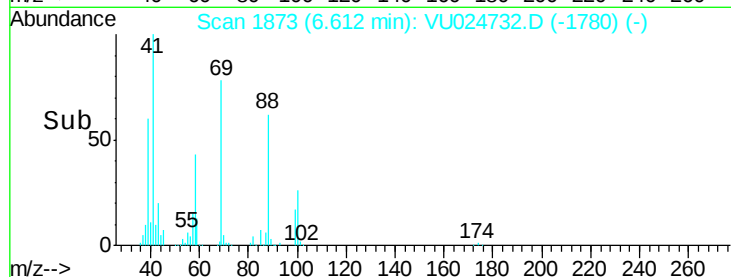
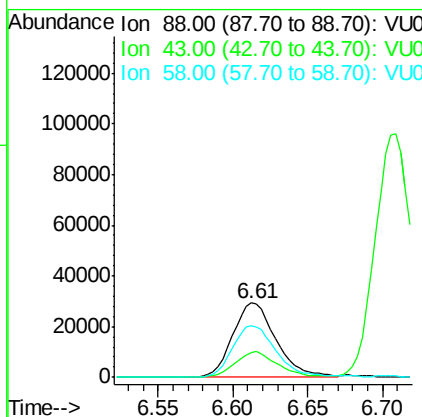
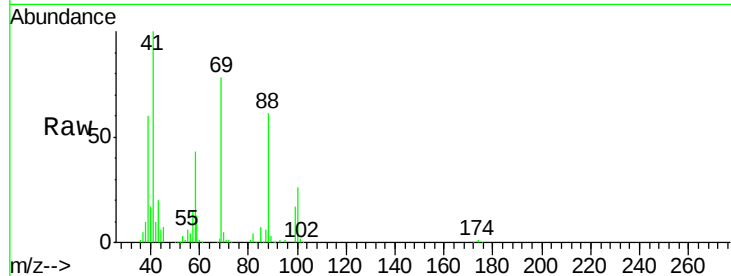
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	88	Resp:	58453
Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.6	42.8
58	71.7	58.2	87.4

Manual Integrations
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#50

Toluene-d8

Concen: 49.06 ug/l

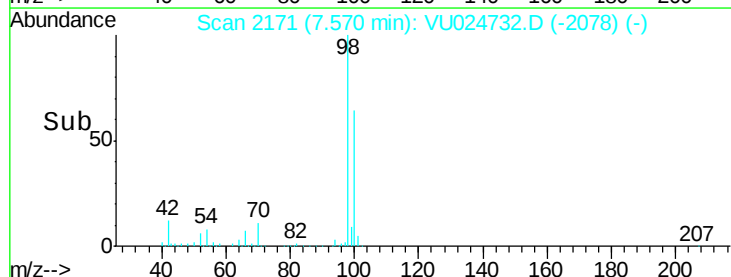
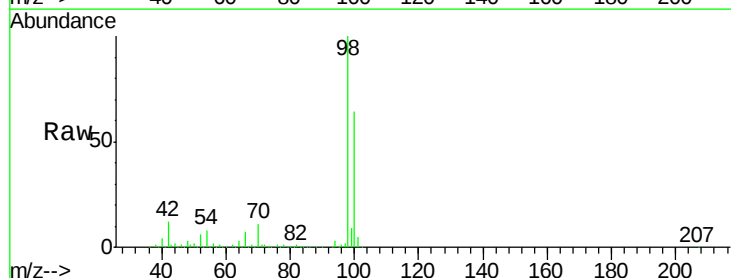
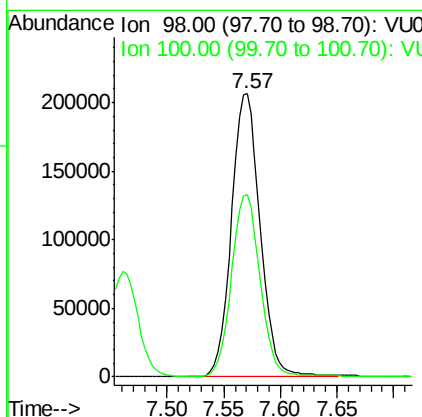
RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	98	Resp:	365046
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





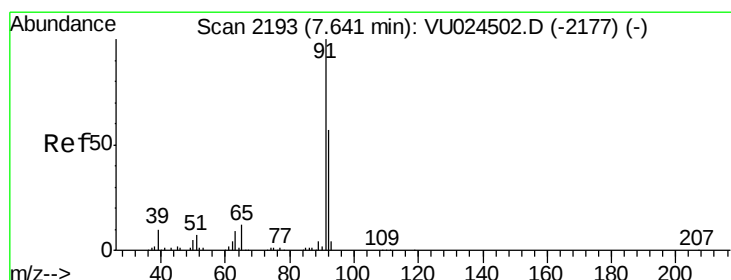
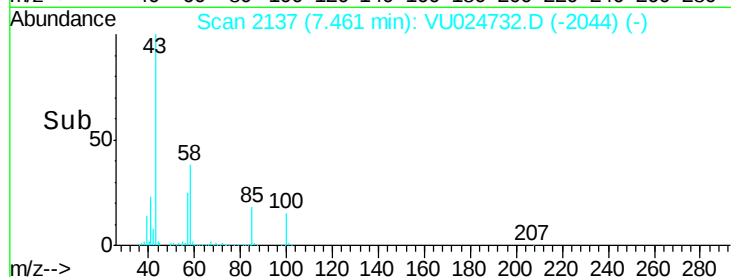
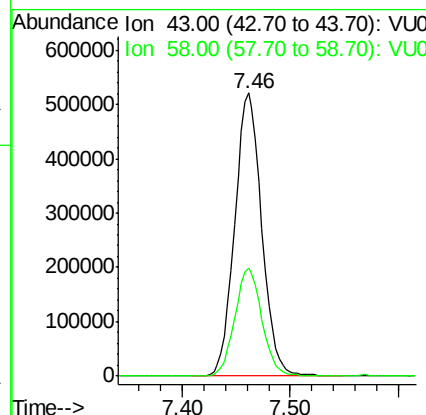
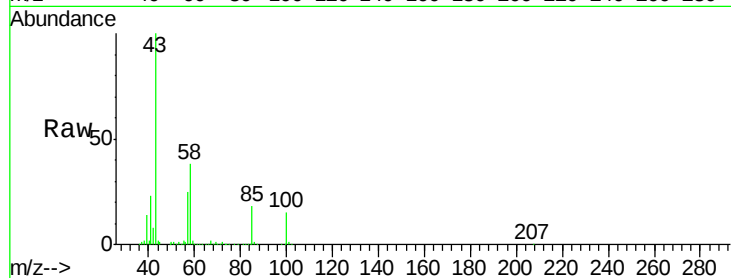
#51
4-Methyl-2-Pentanone
Concen: 265.03 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.0	45.0

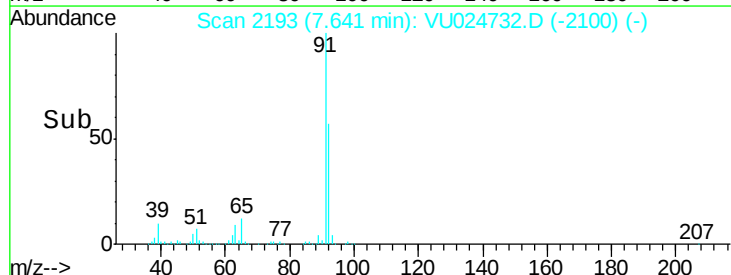
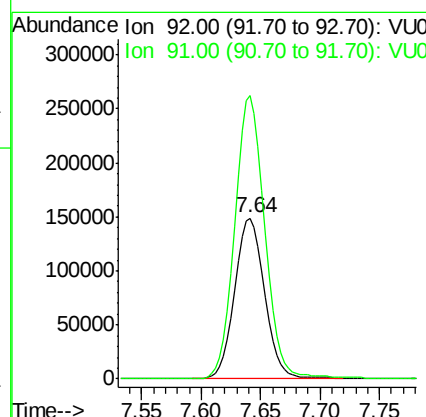
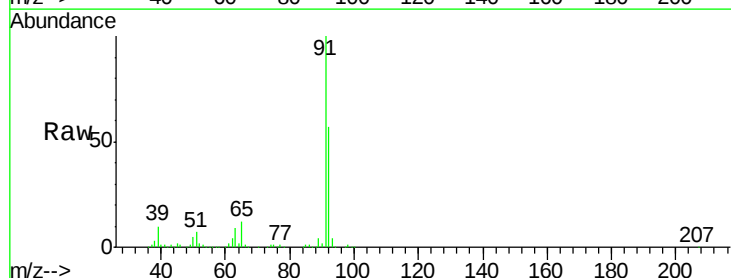
Manual Integrations
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#52
Toluene
Concen: 49.34 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 39.49 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 75 Resp: 136208

Ion Ratio Lower Upper

75 100

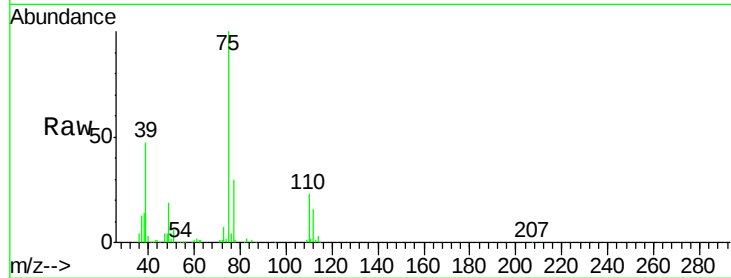
77 30.3 24.8 37.2

Manual Integrations

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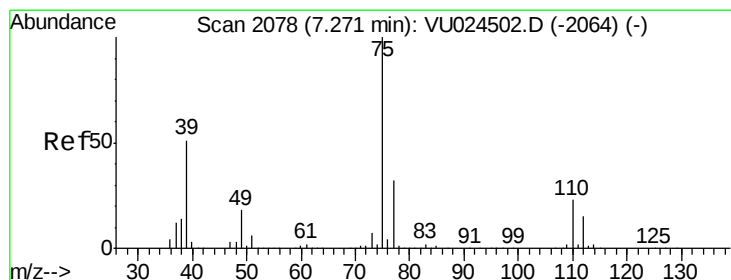
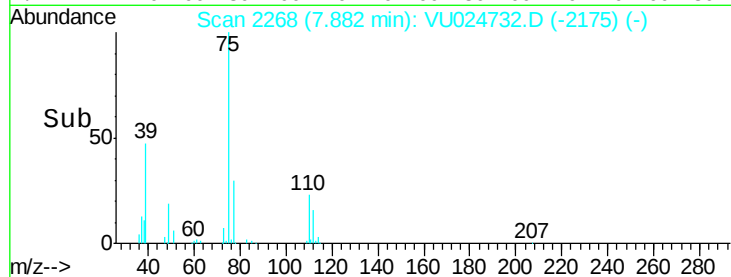
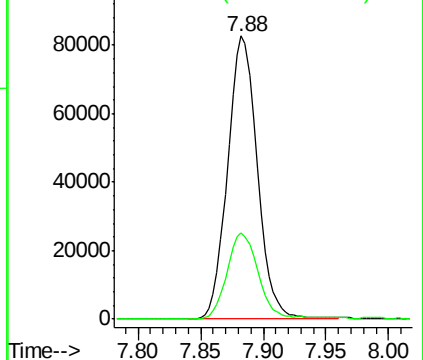
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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 38.86 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

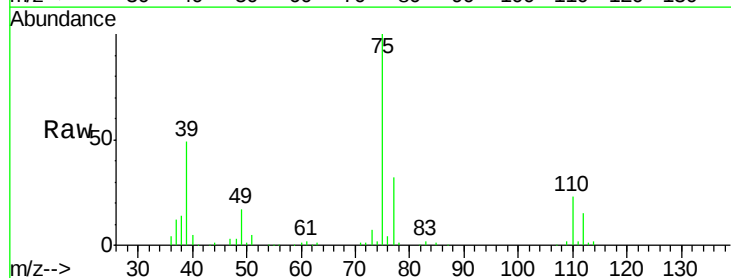
Tgt Ion: 75 Resp: 142828

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

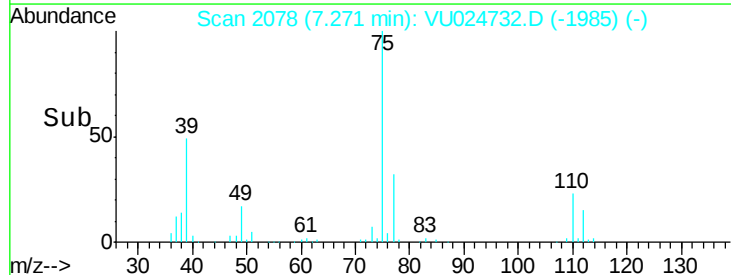
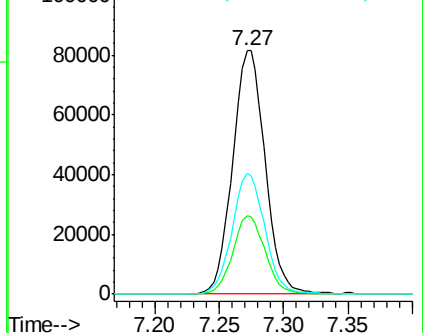
39 49.3 39.8 59.6

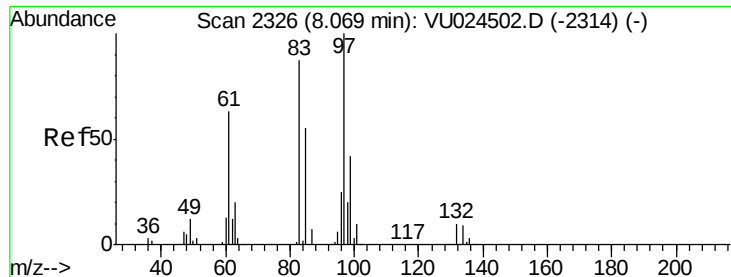


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





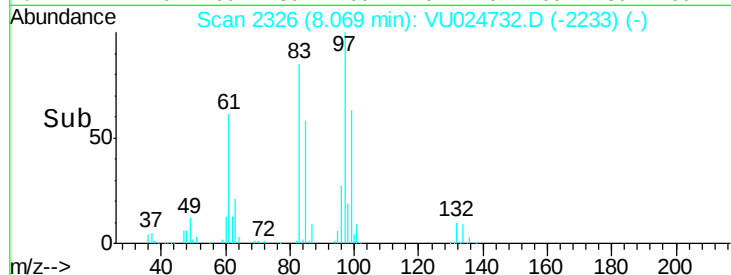
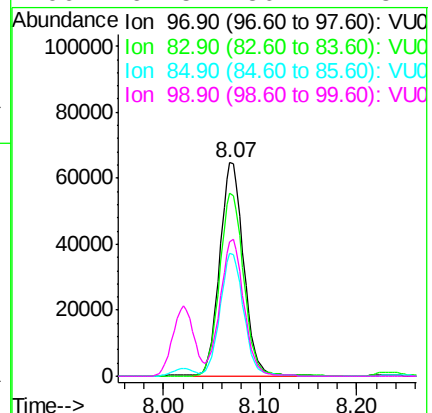
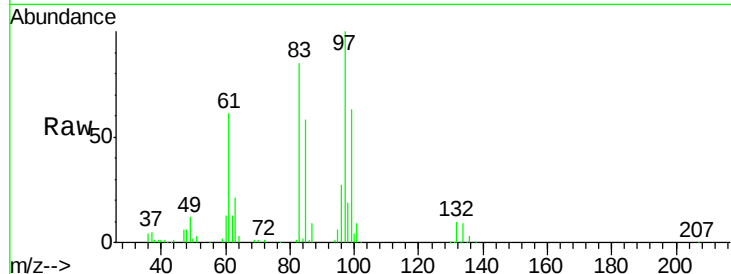
#55
 1,1,2-Trichloroethane
 Concen: 51.91 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion:	97	Resp:	111724
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.5	105.7
85	57.7	46.4	69.6
99	62.5	50.2	75.2

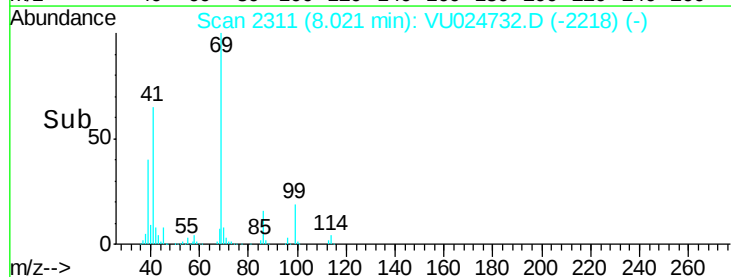
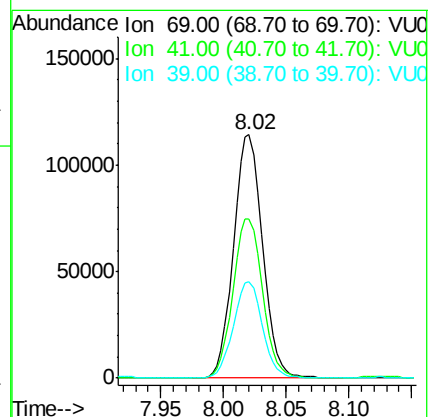
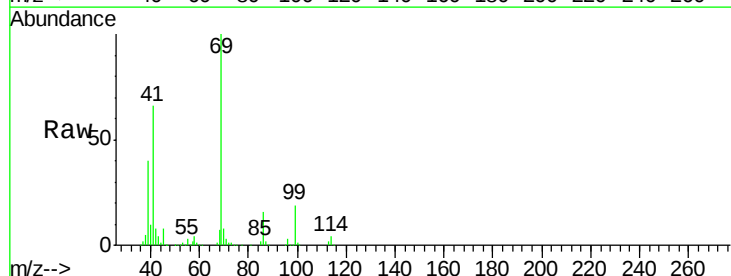
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.01 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion:	69	Resp:	183785
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.1	81.1
39	39.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 51.48 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 76 Resp: 186936

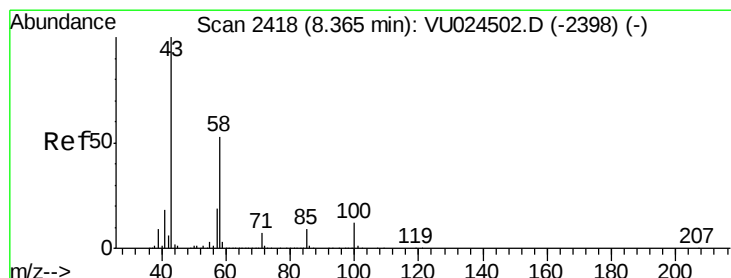
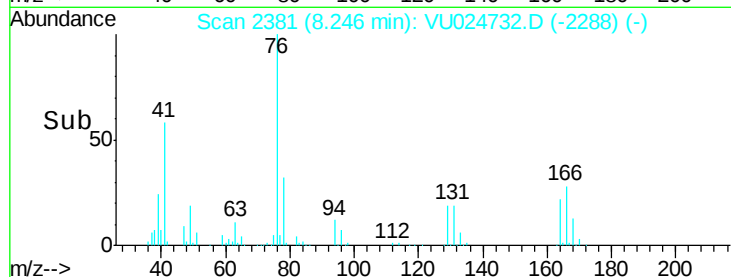
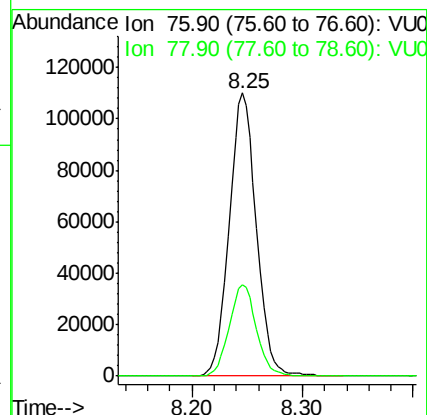
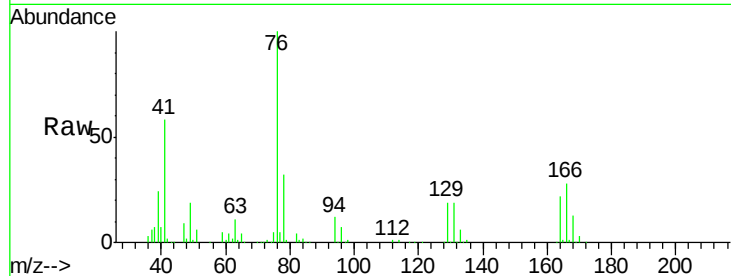
Ion Ratio Lower Upper

76 100

78 32.4 25.2 37.8

Manual Integrations
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#59

2-Hexanone

Concen: 257.95 ug/l

RT: 8.36 min Scan# 2417

Delta R.T. -0.00 min

Lab File: VU024732.D

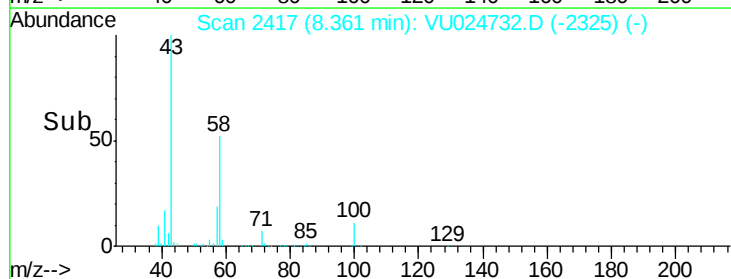
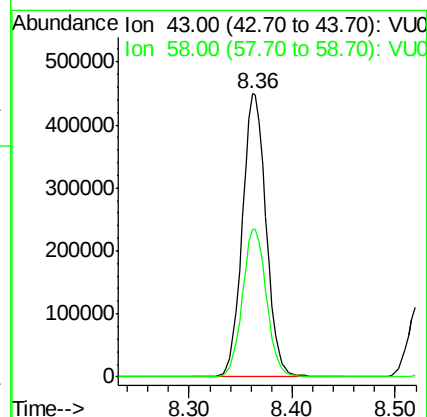
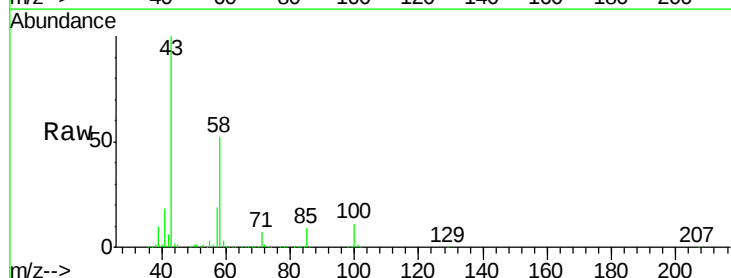
Acq: 19 Jun 2018 08:46

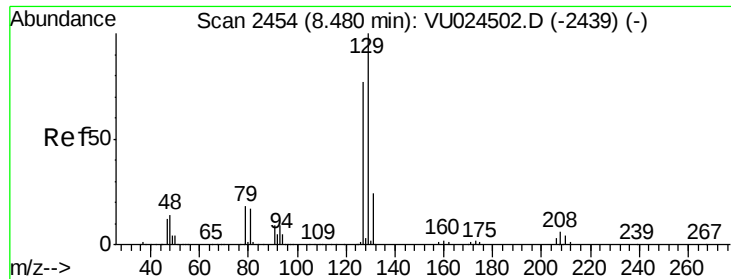
Tgt Ion: 43 Resp: 719981

Ion Ratio Lower Upper

43 100

58 53.0 26.4 79.0





#60

Dibromochloromethane

Concen: 48.56 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion:129 Resp: 130340

Ion Ratio Lower Upper

129 100

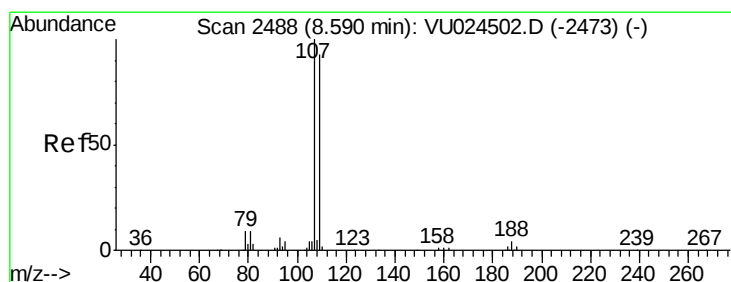
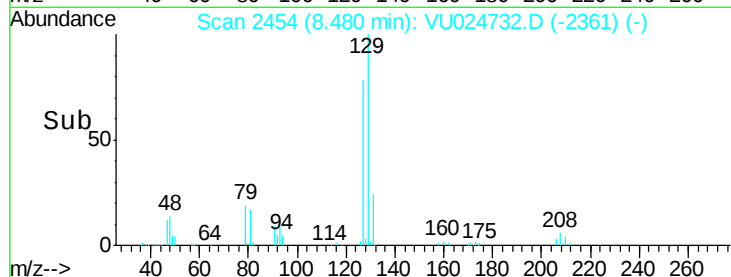
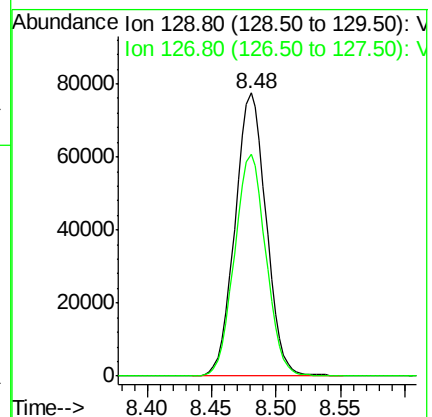
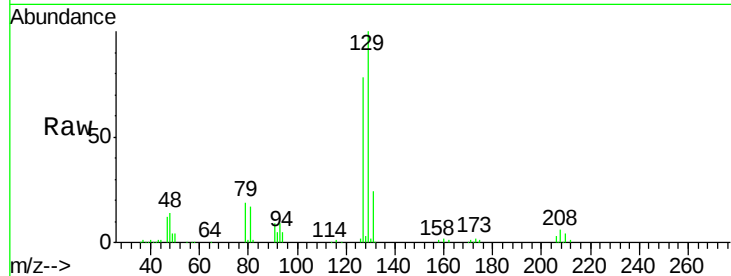
127 78.8 38.6 116.0

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 50.67 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024732.D

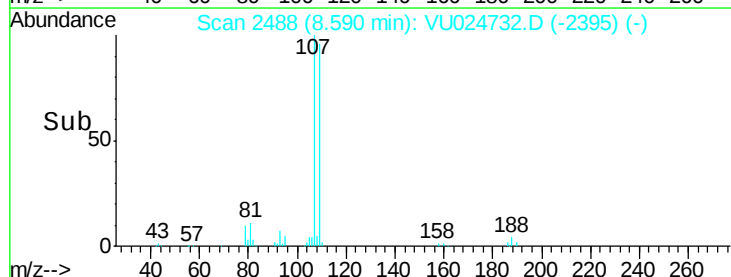
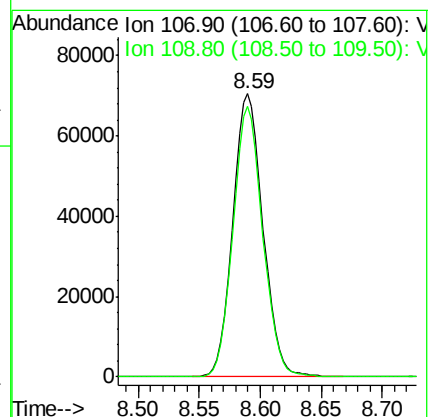
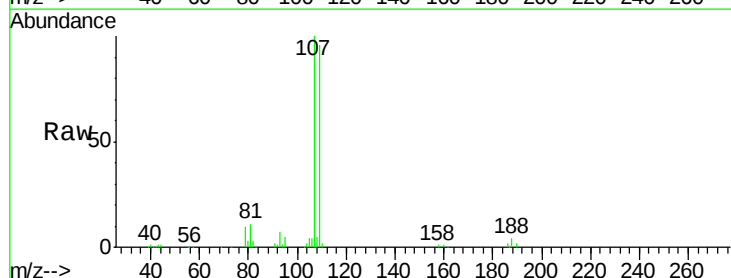
Acq: 19 Jun 2018 08:46

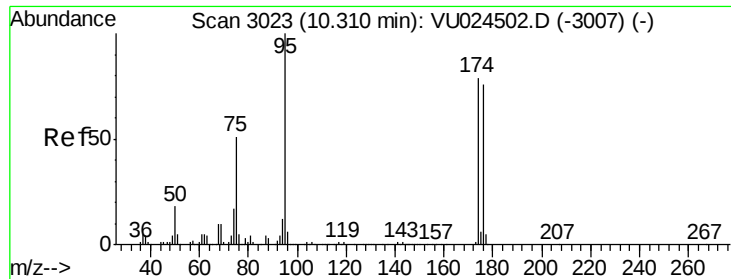
Tgt Ion:107 Resp: 121397

Ion Ratio Lower Upper

107 100

109 94.4 74.5 111.7





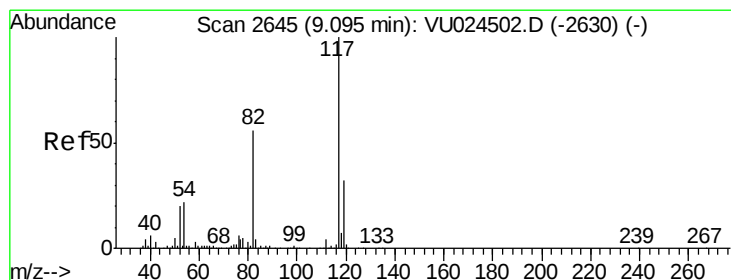
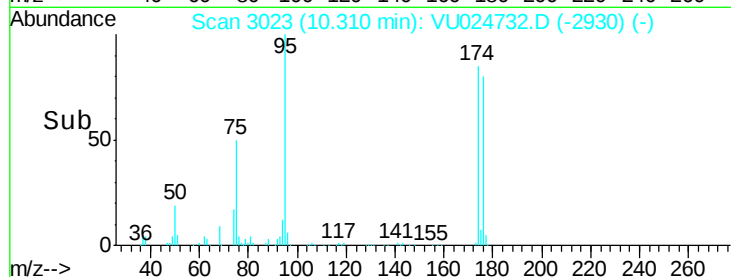
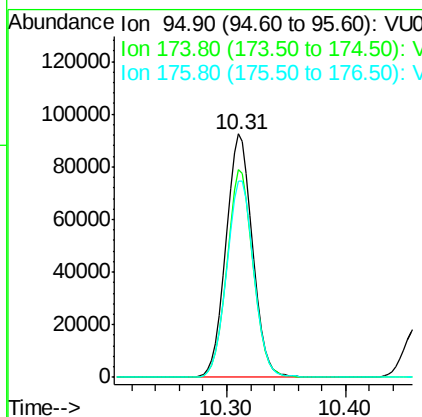
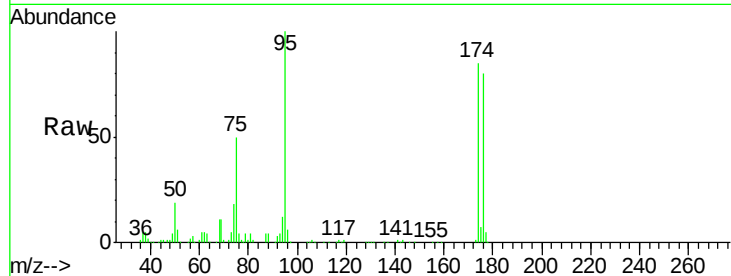
#62
4-Bromofluorobenzene
Concen: 48.39 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	142954		
174	84.2	0.0	165.8	
176	82.2	0.0	159.4	

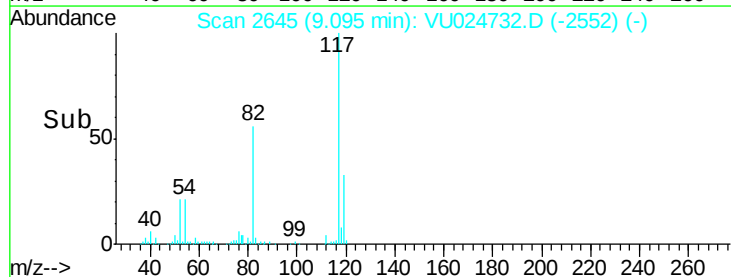
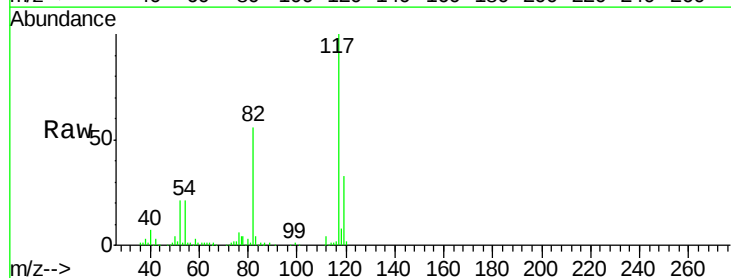
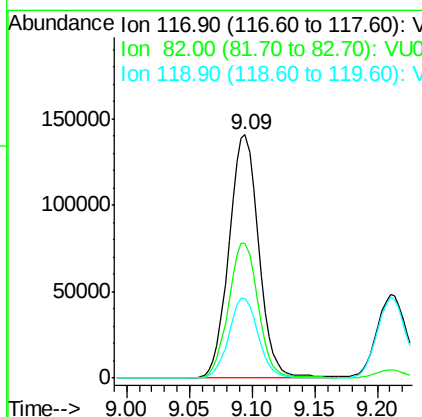
Manual Integrations
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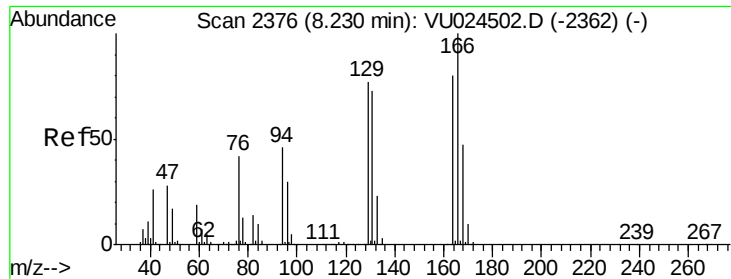
MMDadoda
6/19/2018 1:55:10 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	232068		
82	55.6	44.3	66.5	
119	32.7	25.4	38.2	





#64

Tetrachloroethene

Concen: 42.74 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

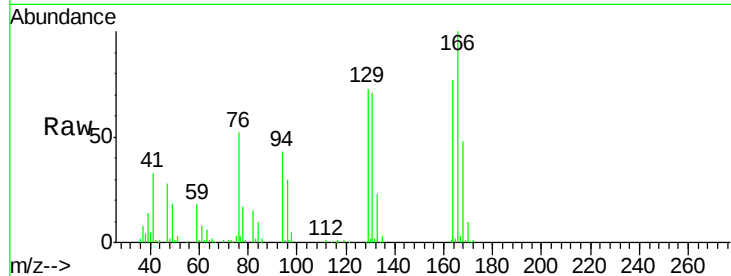
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	164	Resp:	94277
Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.7	152.5
129	95.3	76.9	115.3
131	92.1	74.9	112.3

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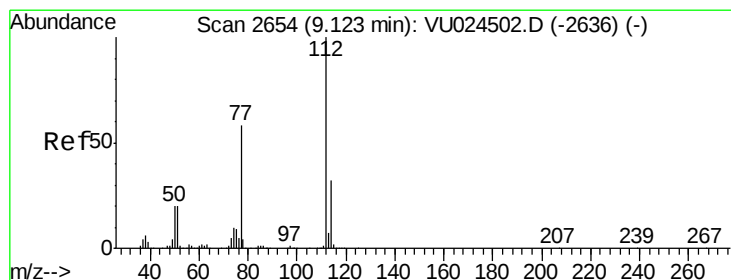
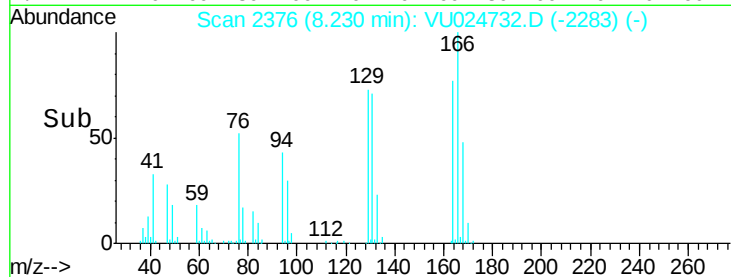
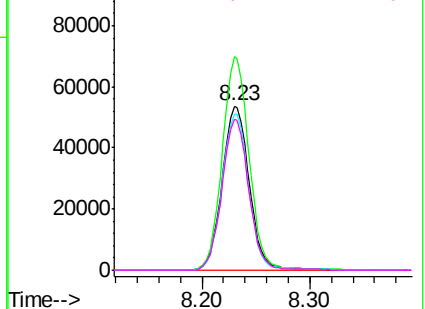


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.00 ug/l

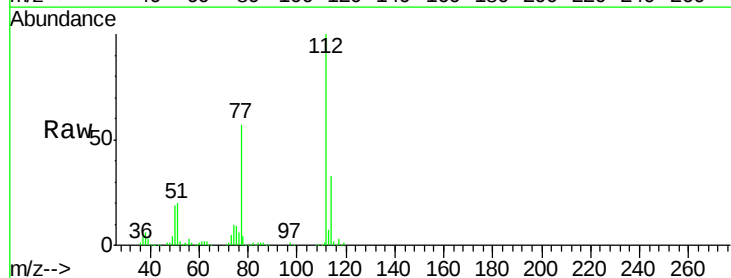
RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024732.D

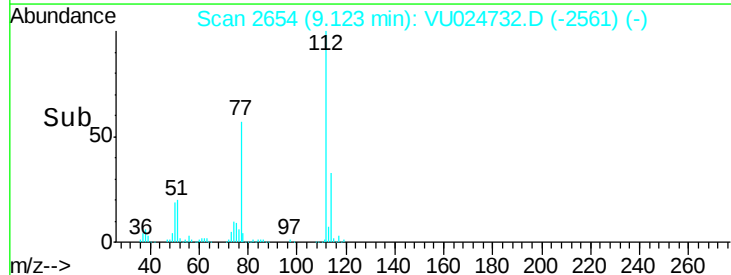
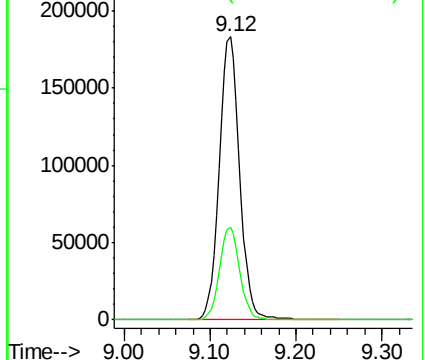
Acq: 19 Jun 2018 08:46

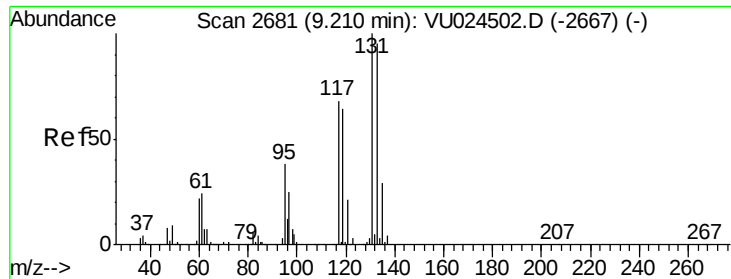
Tgt Ion:	112	Resp:	302357
Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.6	38.4



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: 51.70 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

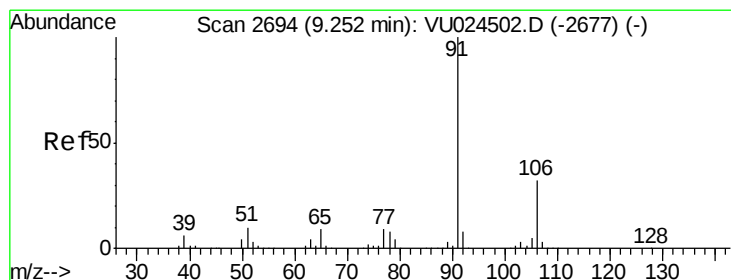
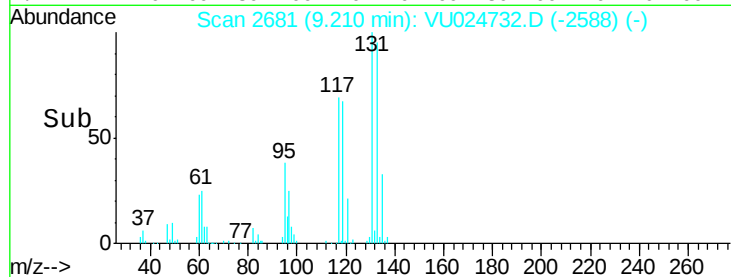
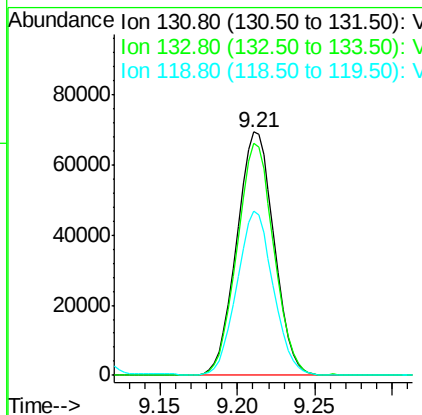
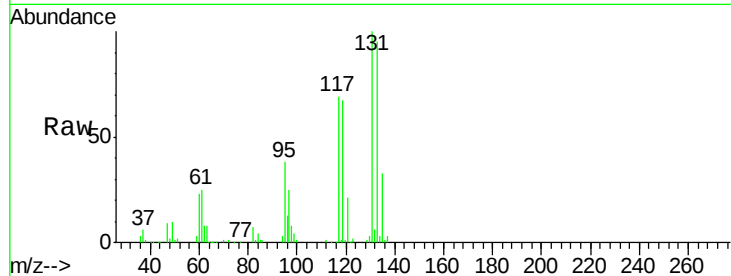
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	131	Resp:	116443
Ion Ratio	Lower	Upper	
131	100		
133	93.8	46.9	140.8
119	65.7	33.5	100.4

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#67

Ethyl Benzene

Concen: 49.60 ug/l

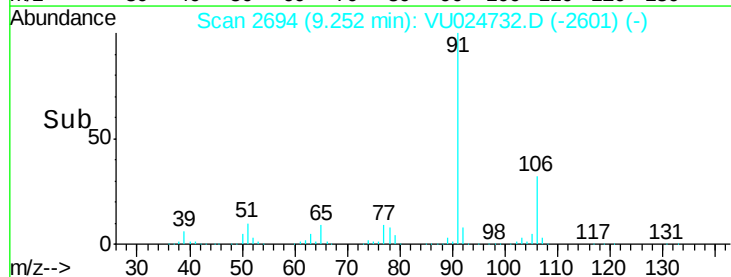
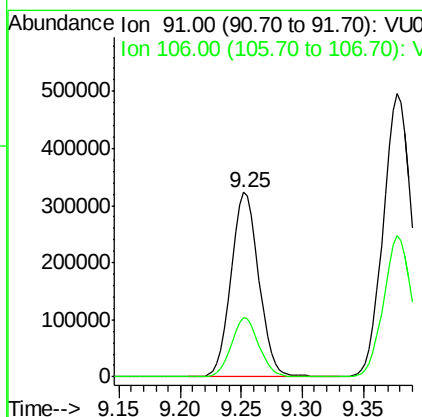
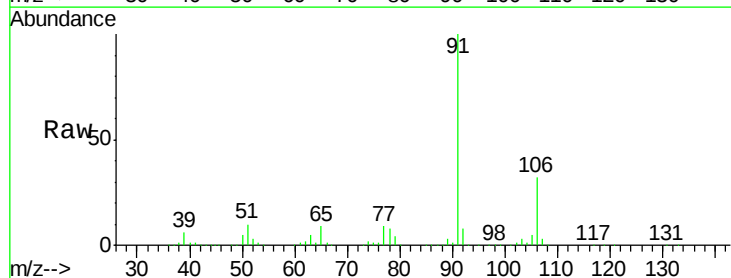
RT: 9.25 min Scan# 2694

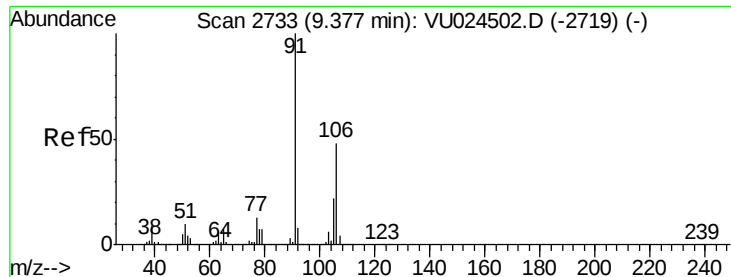
Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	91	Resp:	515529
Ion Ratio	Lower	Upper	
91	100		
106	32.2	24.2	36.4





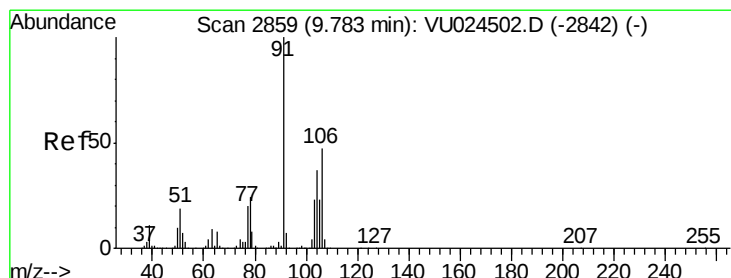
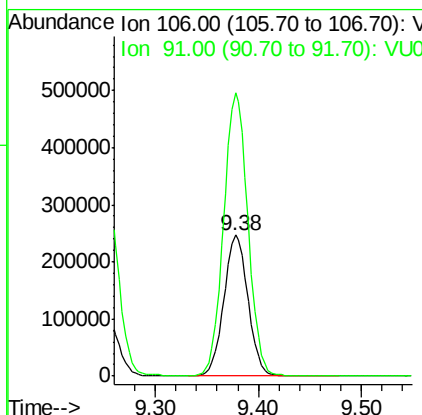
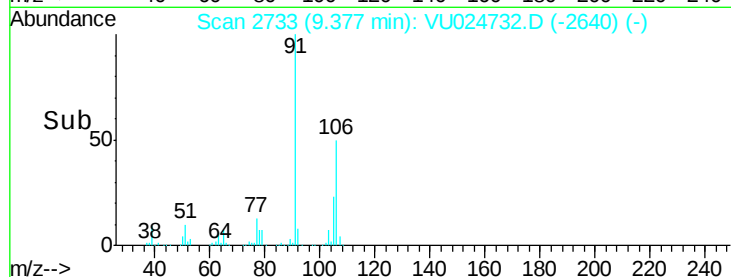
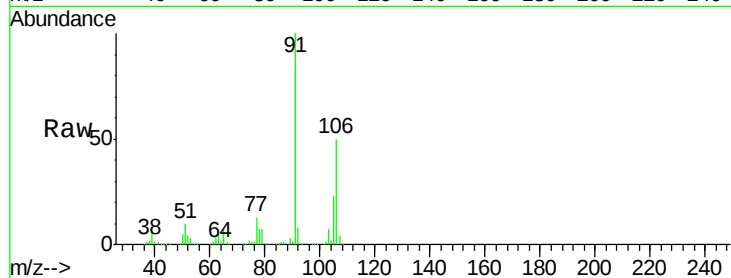
#68
m/p-Xylenes
Concen: 100.90 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ion	Ratio	Lower	Upper
402703	106	100		
	91	202.2	166.5	249.7

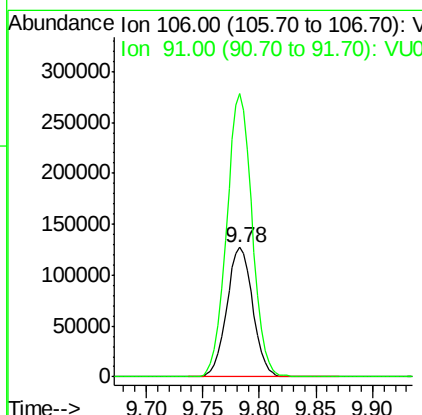
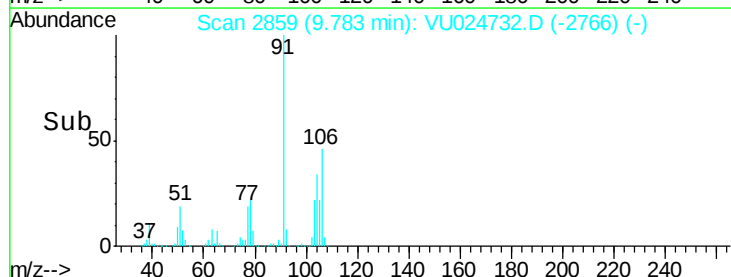
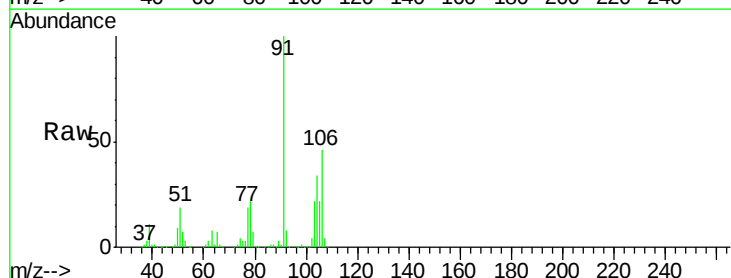
Manual Integrations
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#69
o-Xylene
Concen: 51.60 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ion	Ratio	Lower	Upper
203794	106	100		
	91	213.3	110.7	331.9





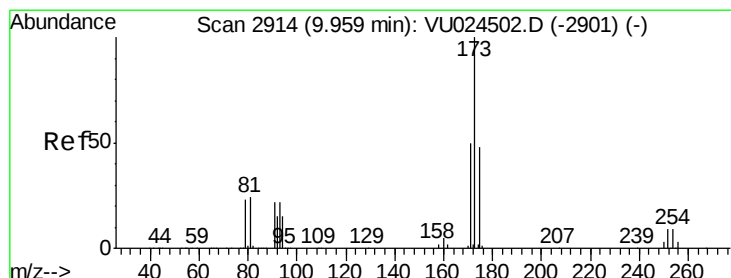
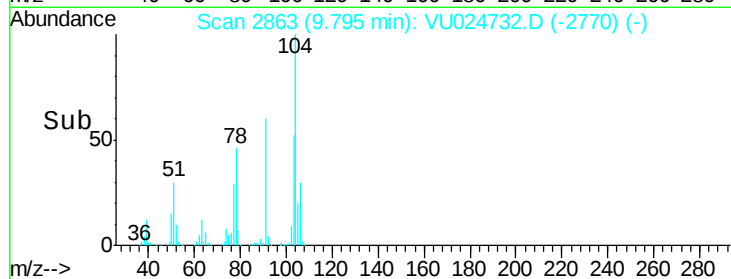
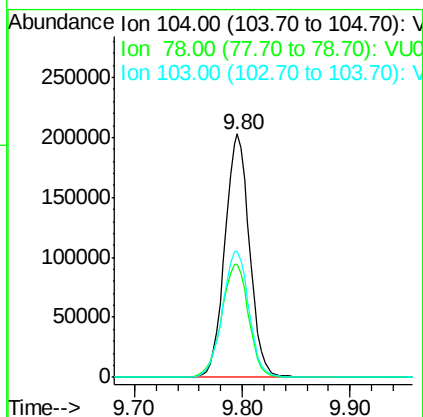
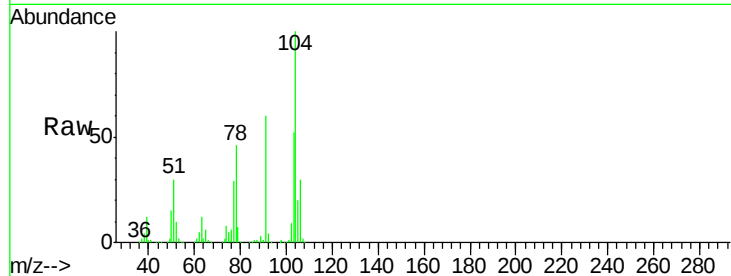
#70
Stvrene
Concen: 49.62 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	322086		
78	51.0		40.6	60.8
103	55.8		44.7	67.1

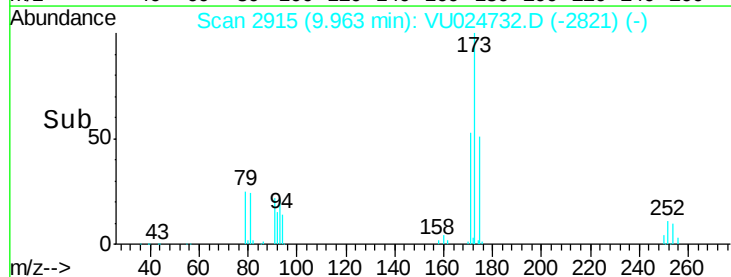
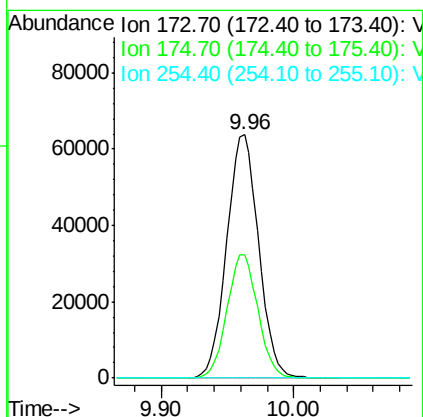
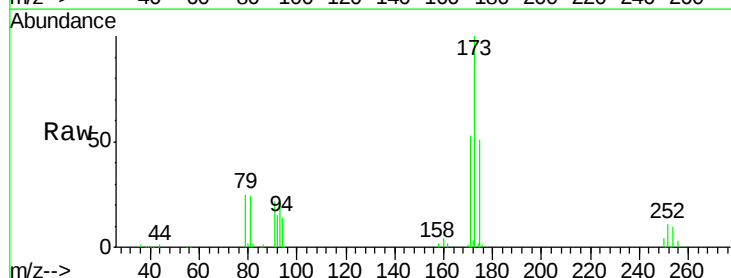
Manual Integrations
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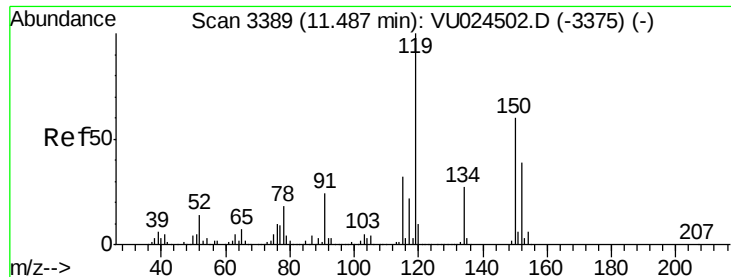
MMDadoda
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#71
Bromoform
Concen: 49.72 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	106434		
175	49.3		24.6	74.0
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion:152 Resp: 141040

Ion Ratio Lower Upper

152 100

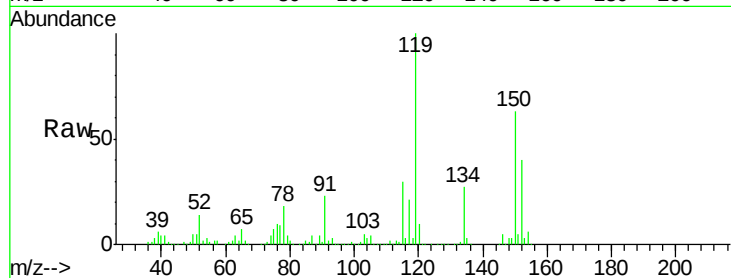
115 82.9 43.0 129.0

150 173.7 0.0 354.0

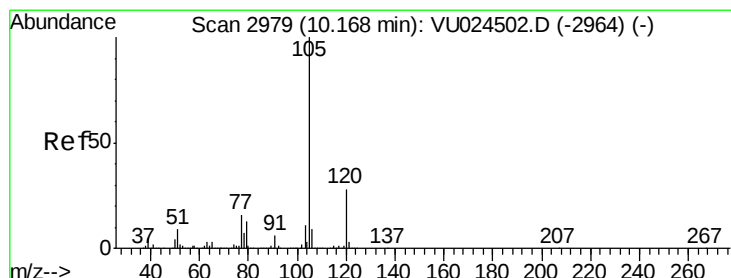
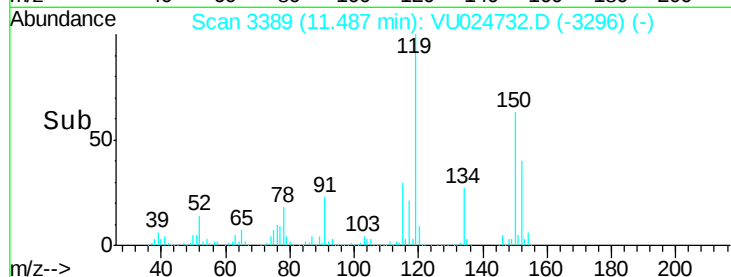
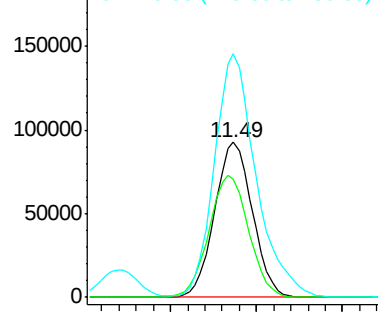
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.55 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024732.D

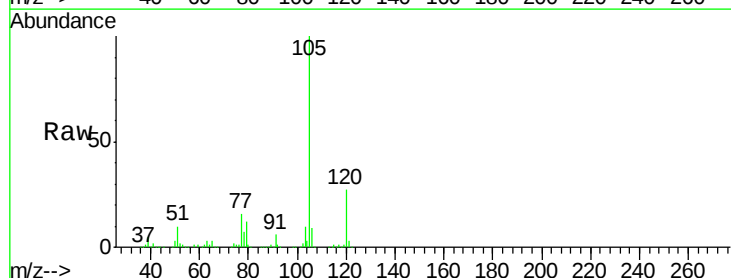
Acq: 19 Jun 2018 08:46

Tgt Ion:105 Resp: 536587

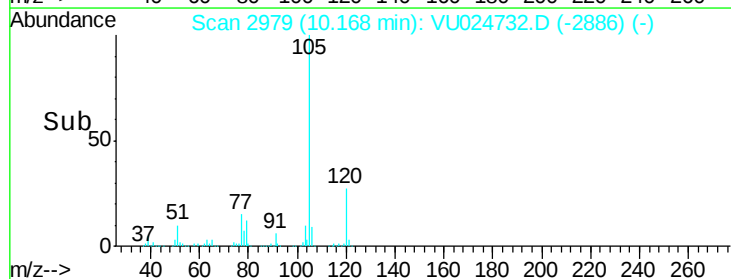
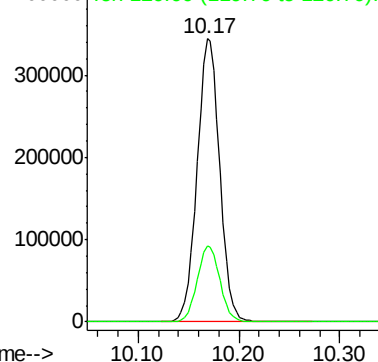
Ion Ratio Lower Upper

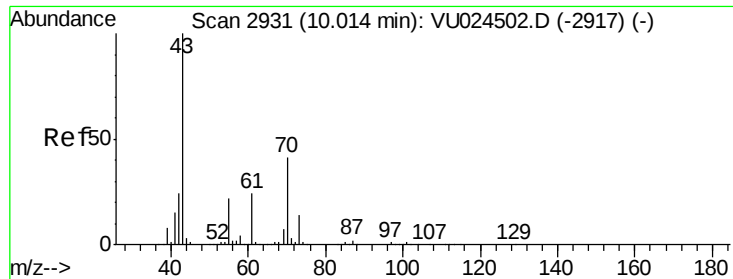
105 100

120 27.0 13.2 39.6



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





#74

N-amvl acetate

Concen: 38.27 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

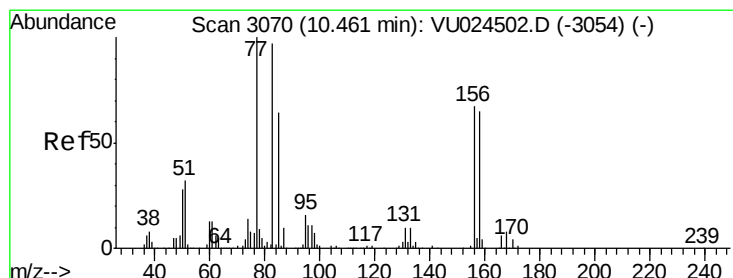
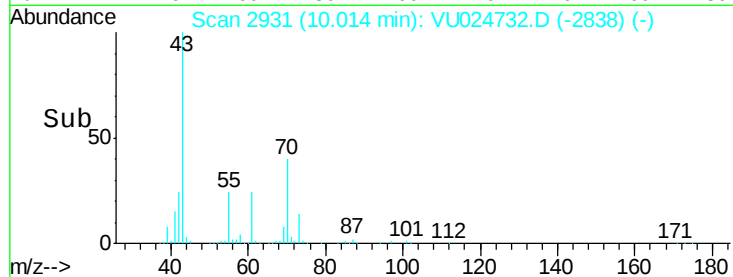
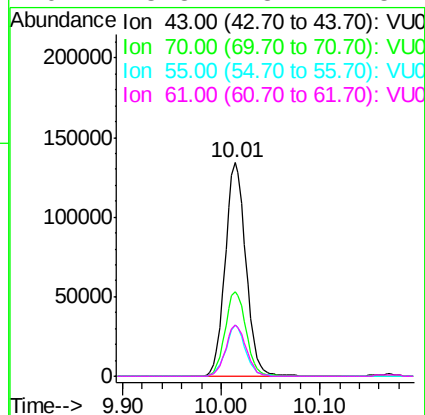
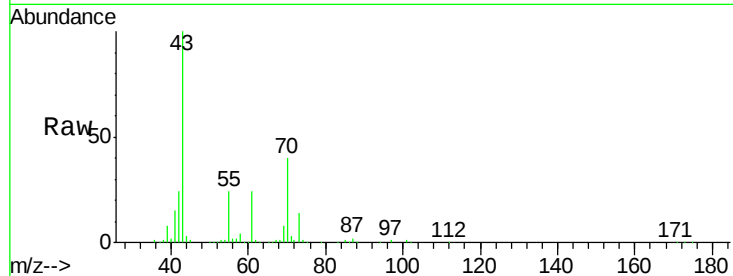
ClientSampleId :

SS036MW002-180613MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	40.5	32.2	48.4	
55	23.0	20.5	30.7	
61	23.8	18.7	28.1	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.48 ug/l

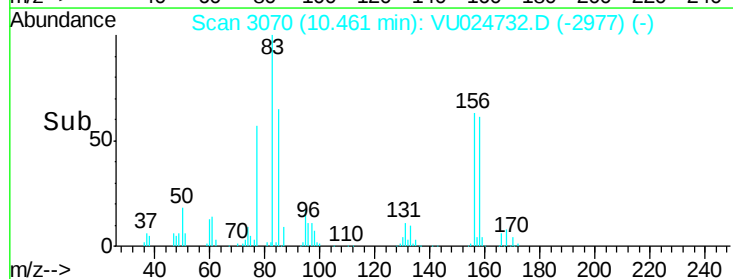
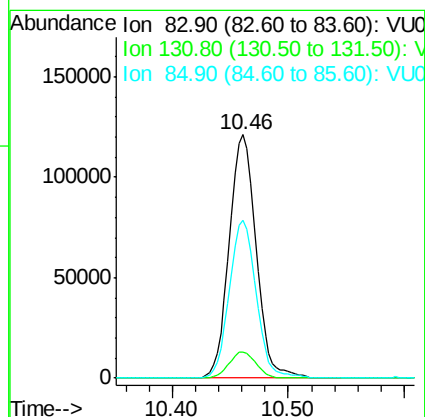
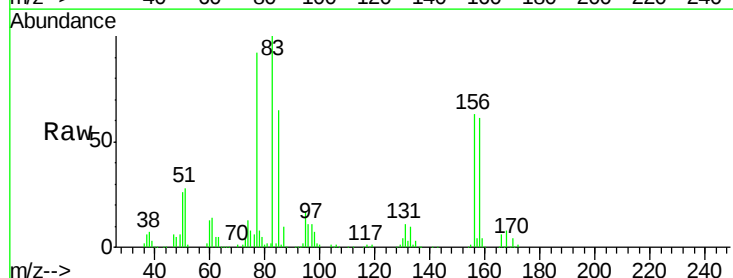
RT: 10.46 min Scan# 3070

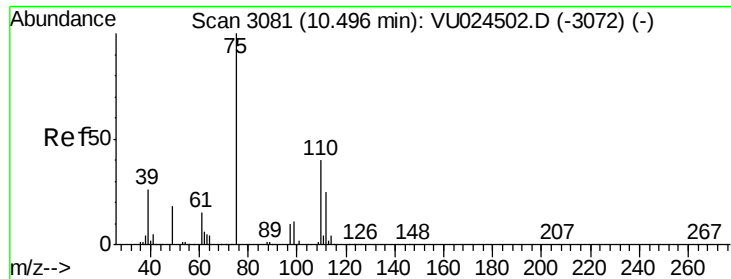
Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.6	4.7	14.1	
85	64.9	32.5	97.5	





#76

1,2,3-Trichloropropane

Concen: 51.42 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 75 Resp: 159667

Ion Ratio Lower Upper

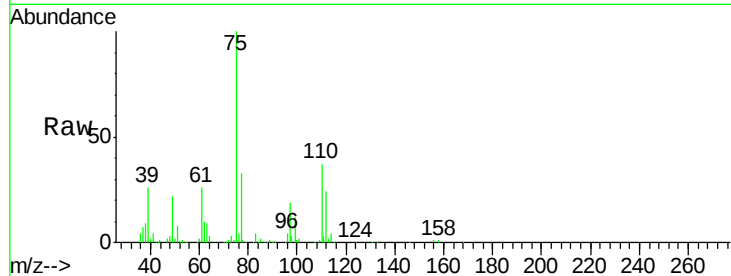
75 100

77 40.5 20.9 62.7

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3072) (-)

150000

100000

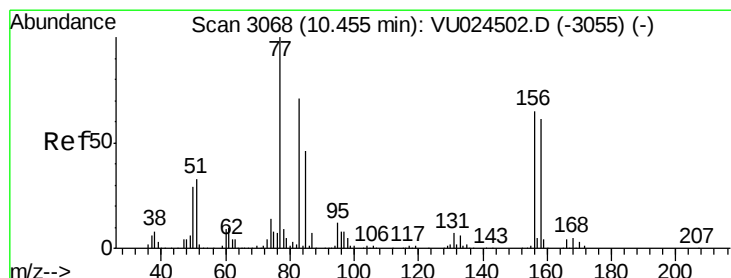
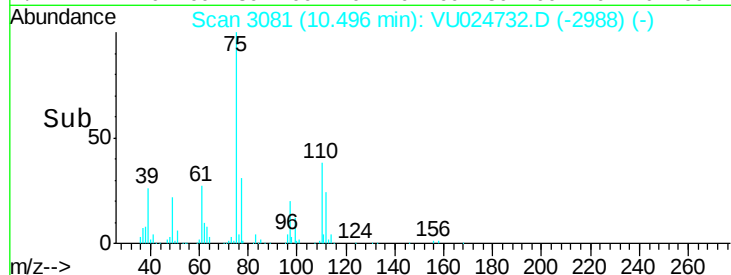
50000

0

10.45

10.50

Time-->



#77

Bromobenzene

Concen: 50.87 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

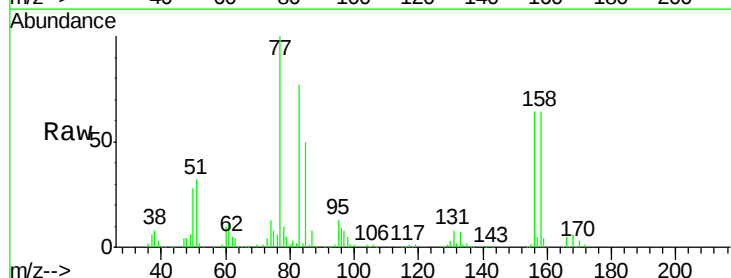
Tgt Ion: 156 Resp: 139463

Ion Ratio Lower Upper

156 100

77 152.7 80.5 241.3

158 97.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024502.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3055) (-)

Ion 157.80 (157.50 to 158.50): VU024502.D (-3055) (-)

150000

100000

50000

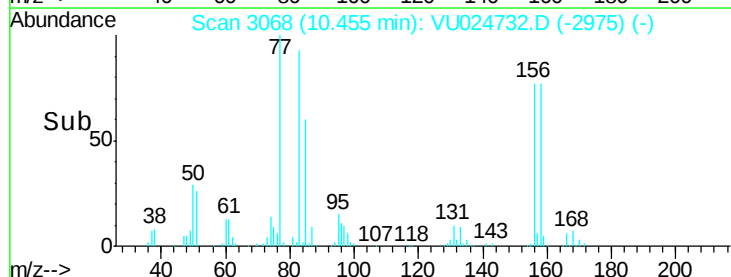
0

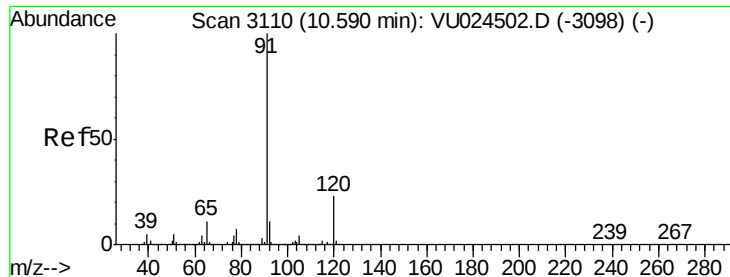
10.40

10.45

10.50

Time-->





#78

n-propylbenzene

Concen: 47.38 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion: 91 Resp: 604345

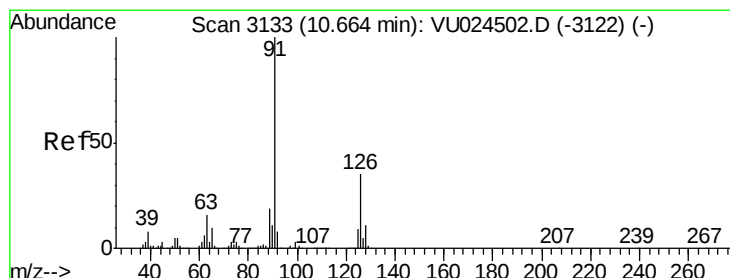
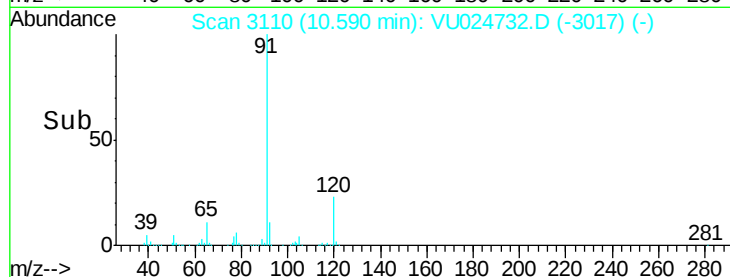
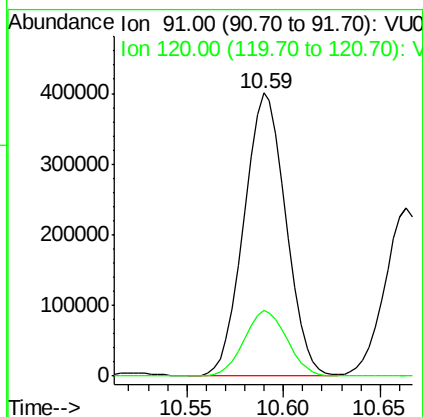
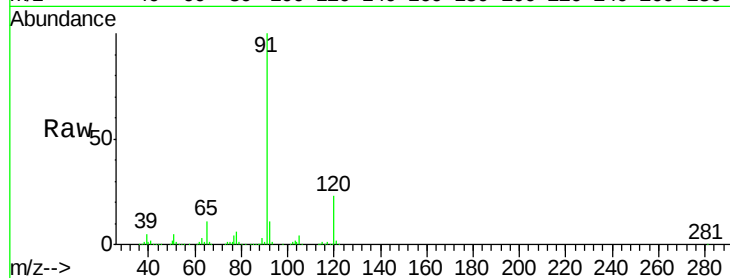
Ion Ratio Lower Upper

91 100

120 23.5 11.2 33.5

Manual Integrations
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#79

2-Chlorotoluene

Concen: 48.63 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024732.D

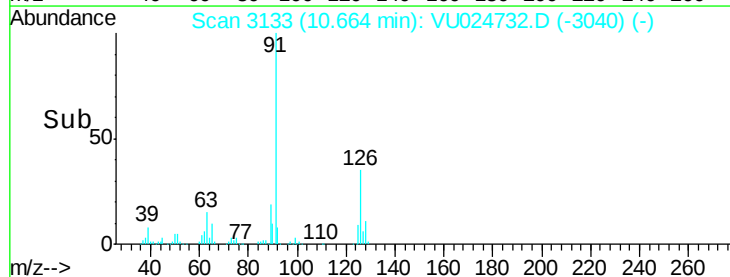
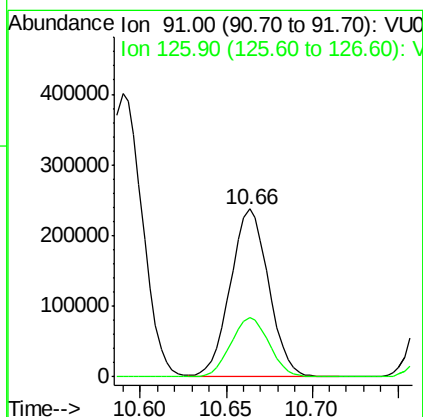
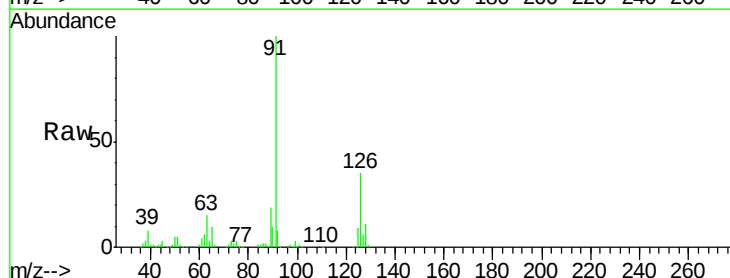
Acq: 19 Jun 2018 08:46

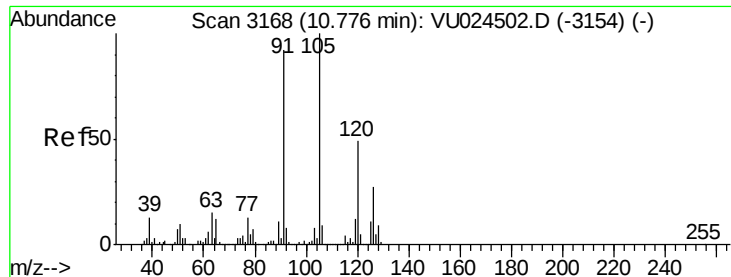
Tgt Ion: 91 Resp: 365796

Ion Ratio Lower Upper

91 100

126 35.7 16.9 50.7





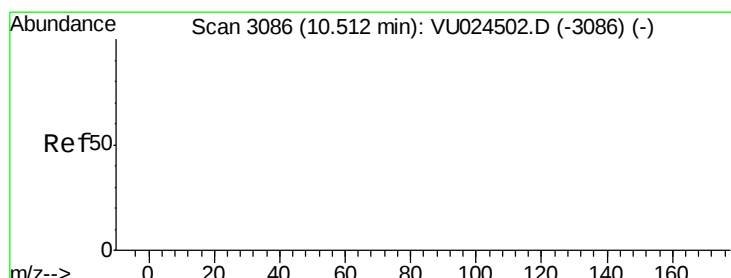
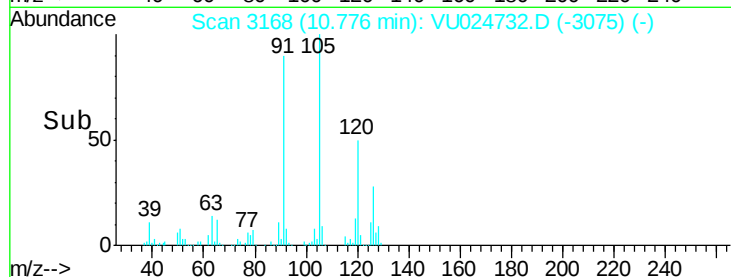
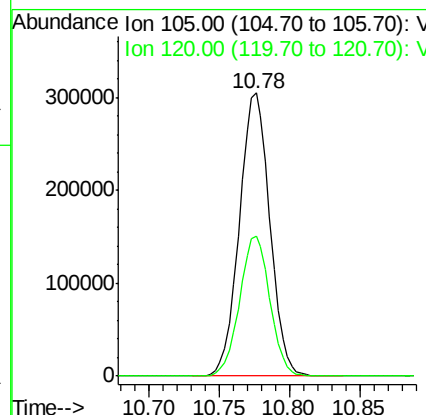
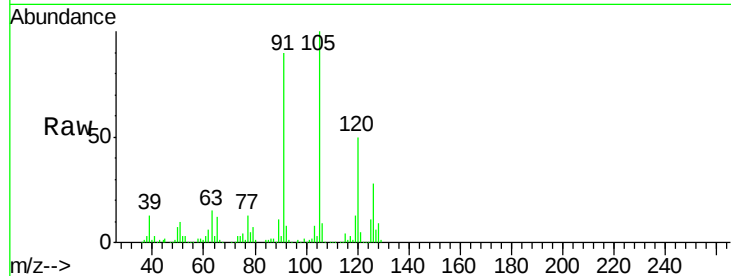
#80
 1,3,5-Trimethylbenzene
 Concen: 49.16 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.2

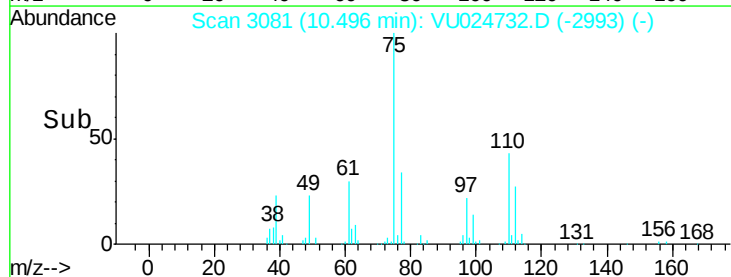
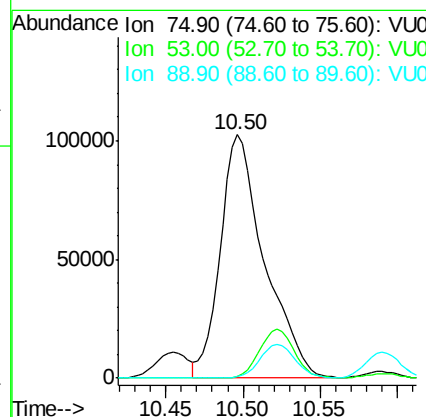
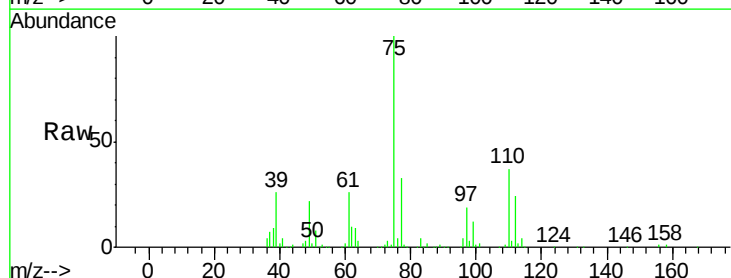
Manual Integrations
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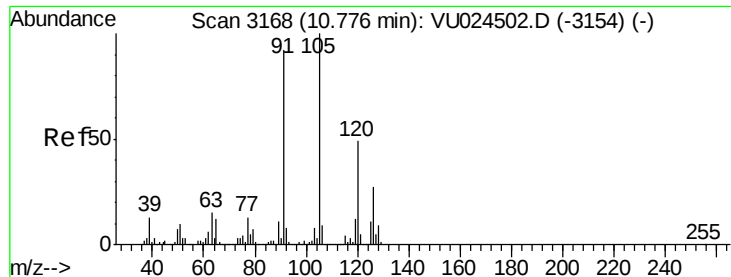
MMDadoda
 6/19/2018 1:55:10 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.66 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.02 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

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





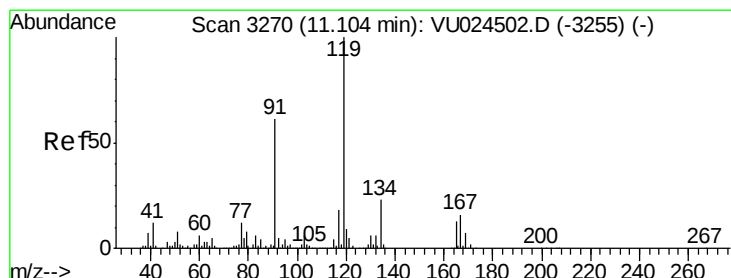
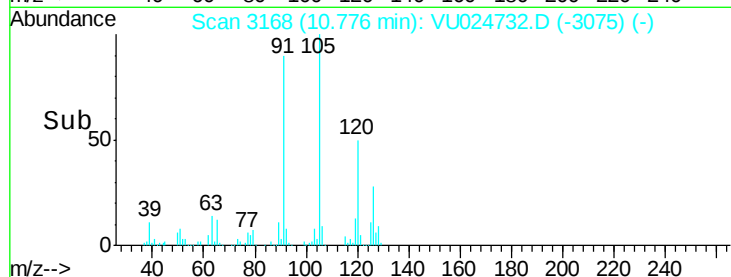
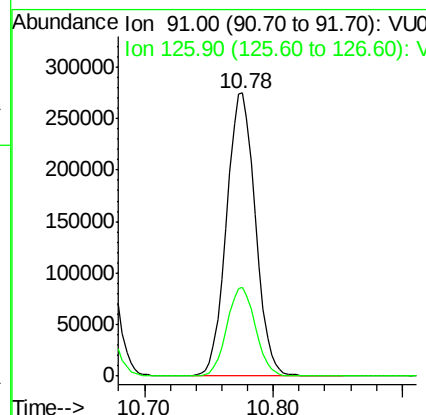
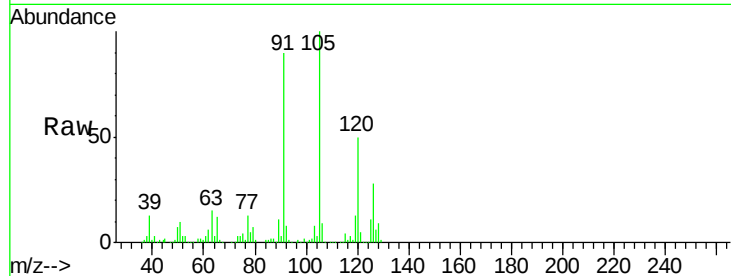
#82
4-Chlorotoluene
Concen: 48.53 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :
SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	14.9	44.9

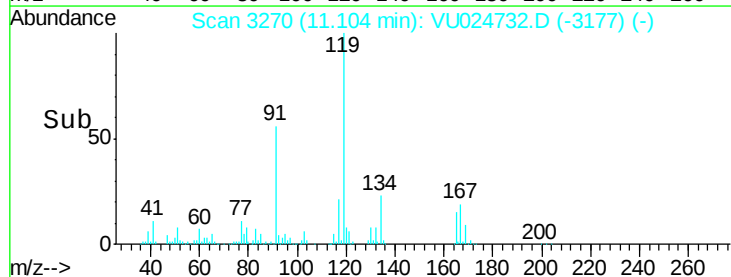
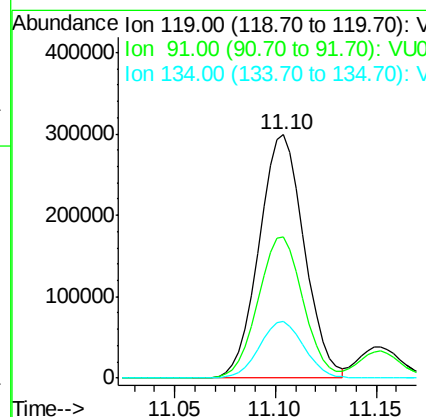
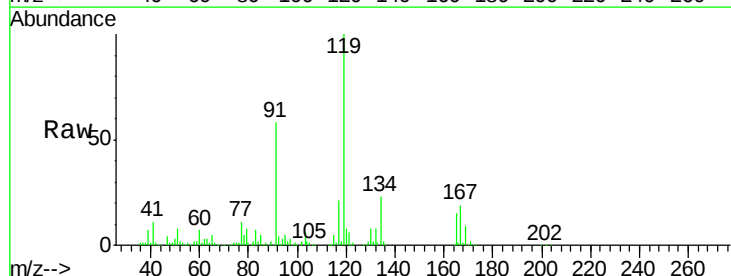
Manual Integrations
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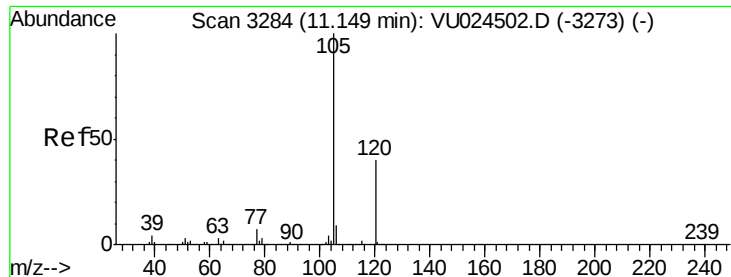
MMDadoda
6/19/2018 1:55:10 PM



#83
tert-Butylbenzene
Concen: 51.74 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU024732.D
Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.7	89.1
134	23.1	11.6	34.7





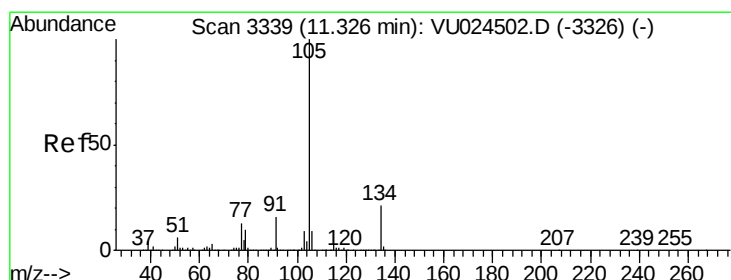
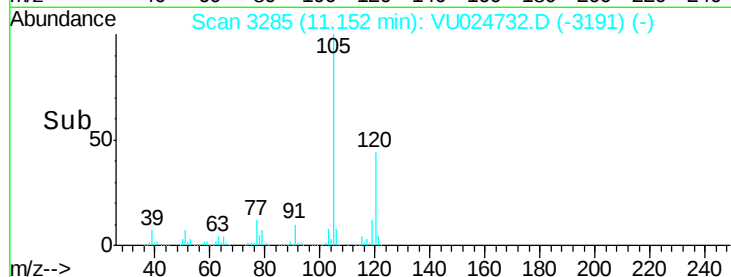
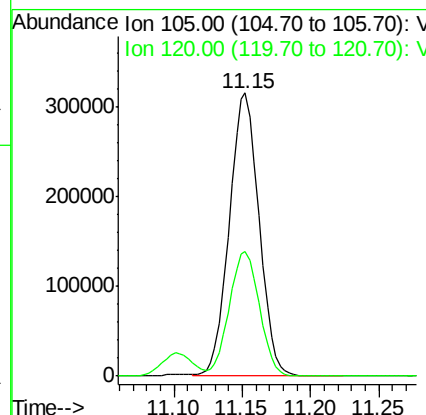
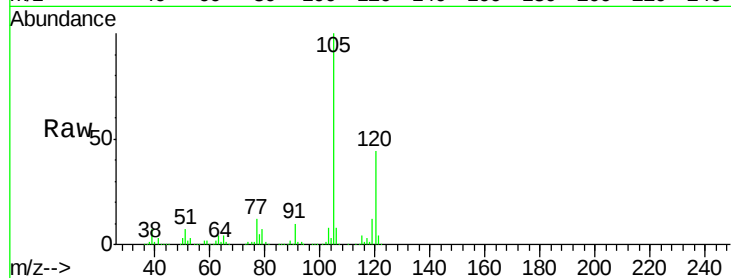
#84
 1,2,4-Trimethylbenzene
 Concen: 49.84 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8

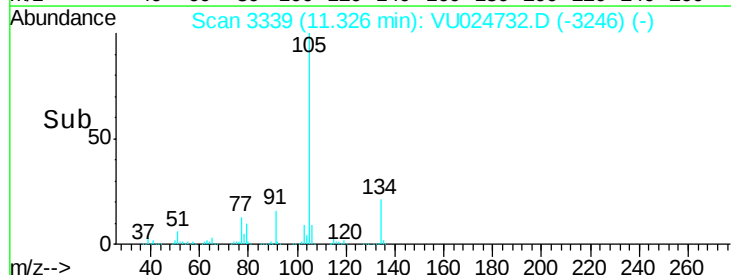
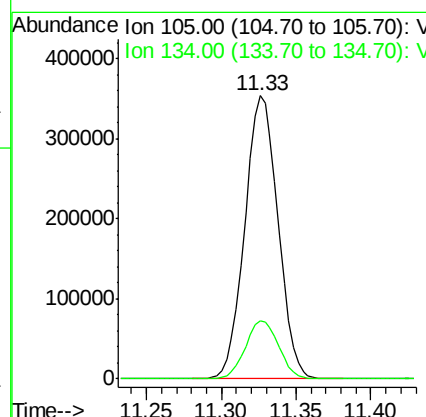
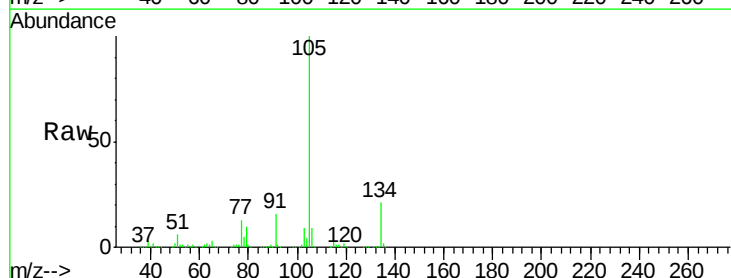
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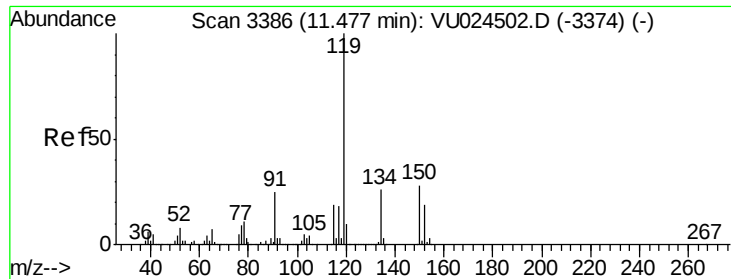
MMDadoda
 6/19/2018 1:55:10 PM



#85
 sec-Butylbenzene
 Concen: 48.39 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.7	29.1





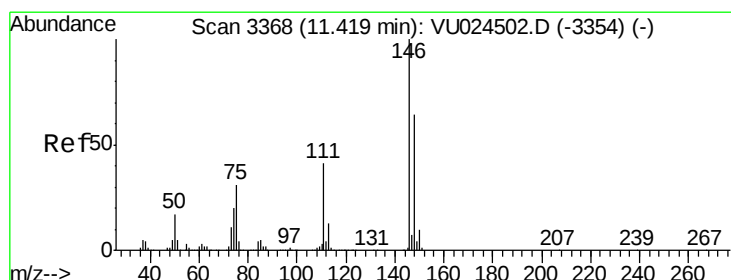
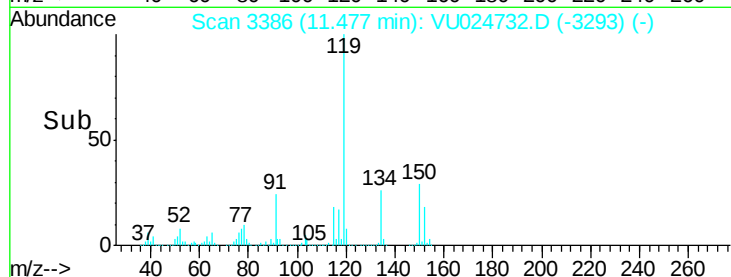
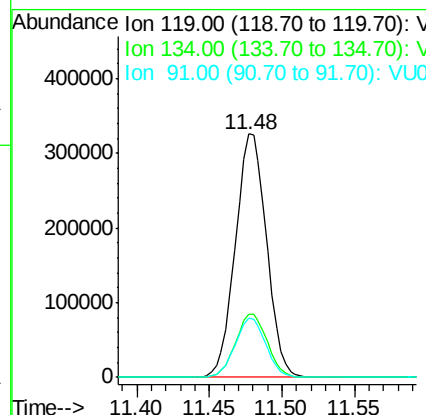
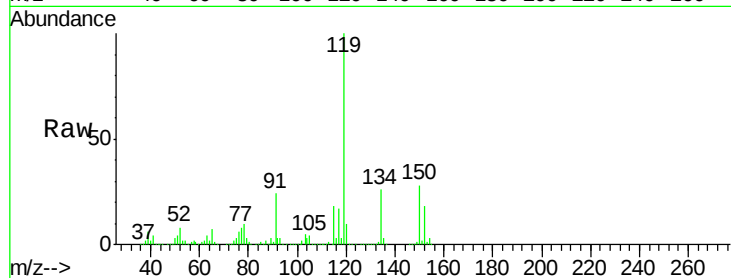
#86
 p-Isopropyltoluene
 Concen: 48.06 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	486445		
134	26.3		12.9	38.6
91	24.1		12.0	36.1

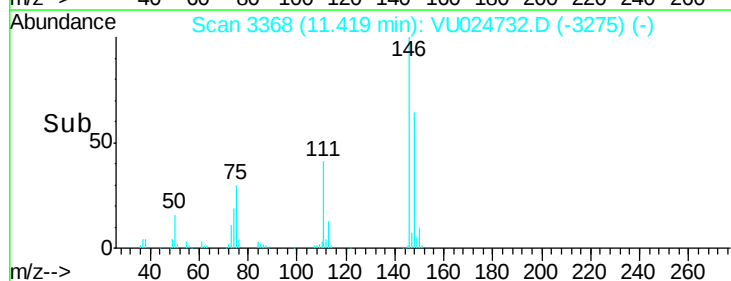
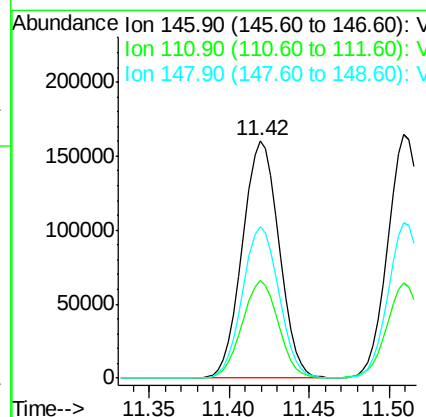
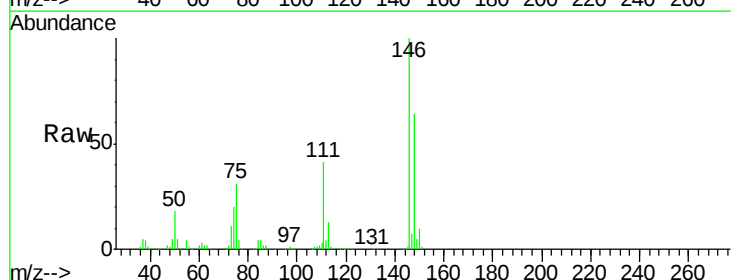
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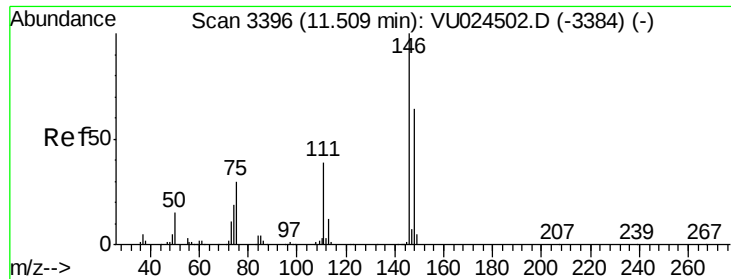
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 49.60 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251184		
111	40.3		20.0	60.0
148	63.4		32.1	96.5





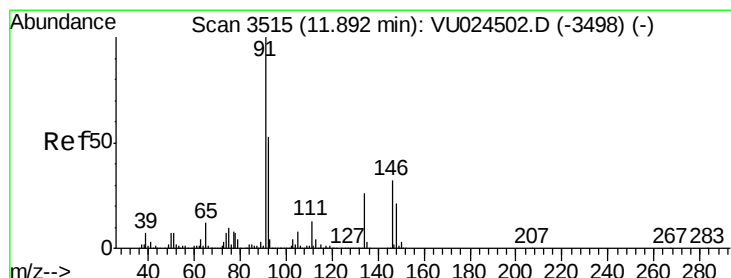
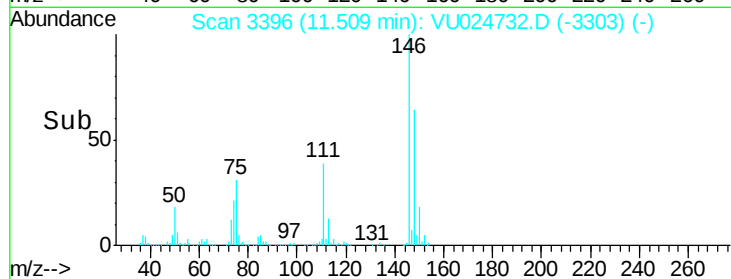
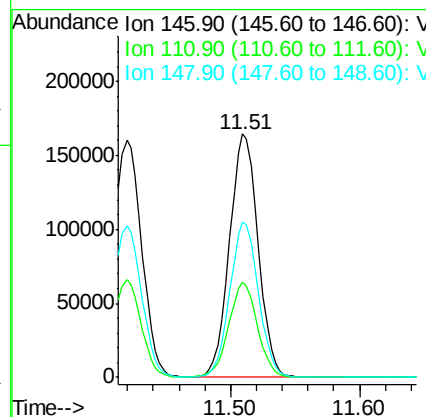
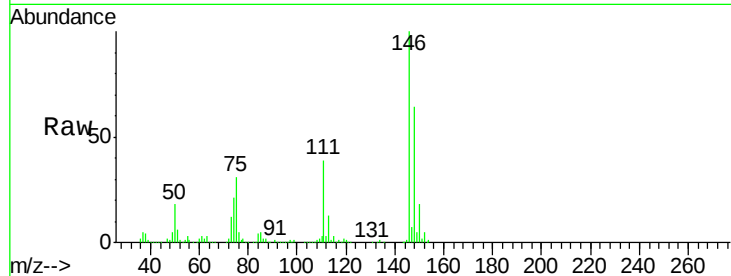
#88
 1,4-Dichlorobenzene
 Concen: 49.64 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.5	32.4	97.0

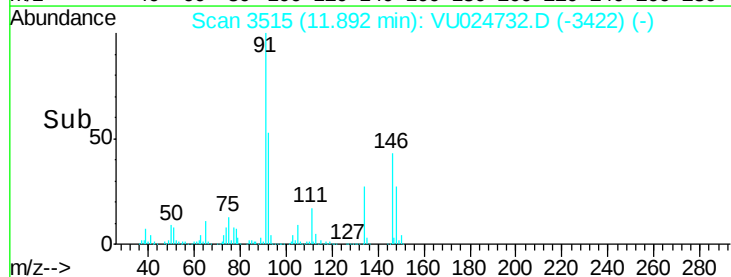
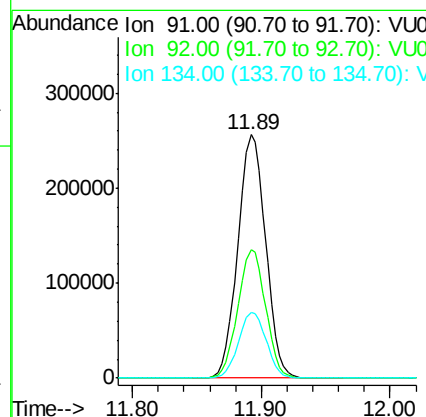
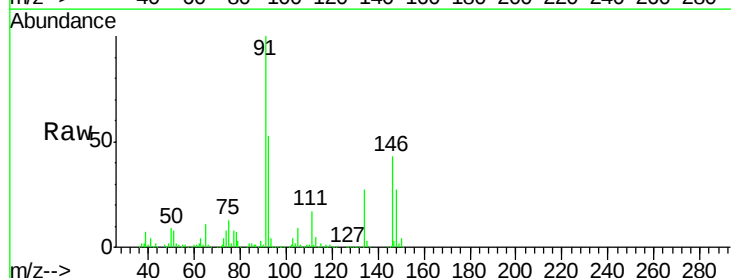
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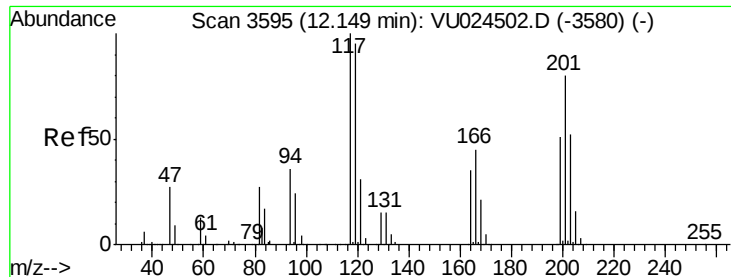
MMDadoda
 6/19/2018 1:55:10 PM



#89
 n-Butylbenzene
 Concen: 42.70 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	27.0	12.3	36.8





#90

Hexachloroethane

Concen: 46.40 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

SS036MW002-180613MSD

Tot Ion:117 Resp: 91610

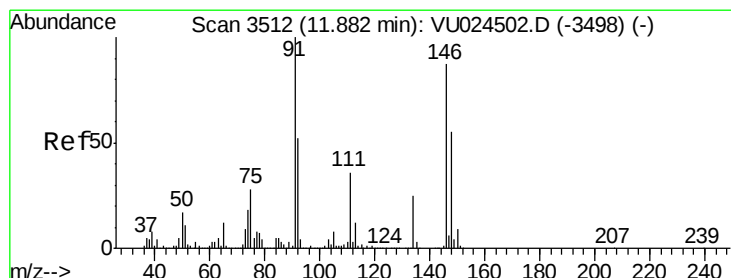
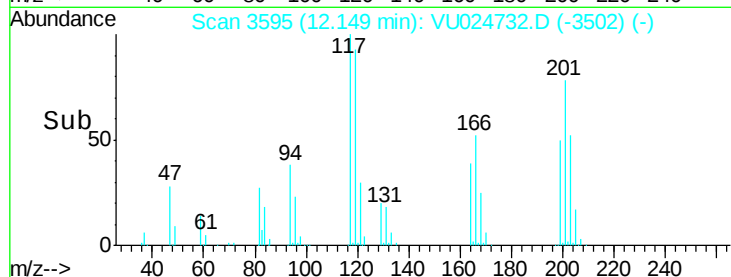
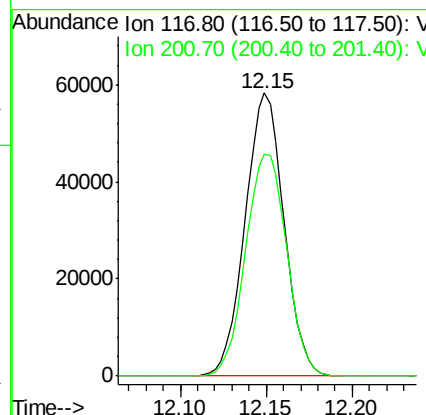
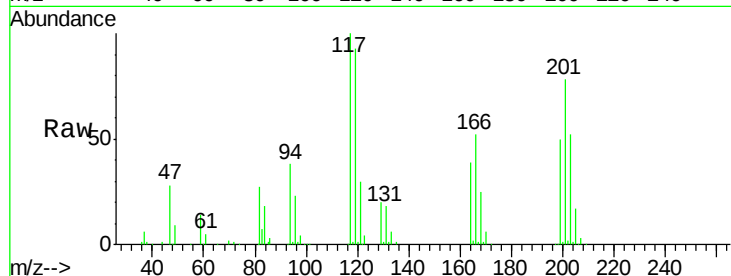
Ion Ratio Lower Upper

117 100

201 82.8 41.1 123.3

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6/19/2018 1:55:10 PM



#91

1,2-Dichlorobenzene

Concen: 51.64 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

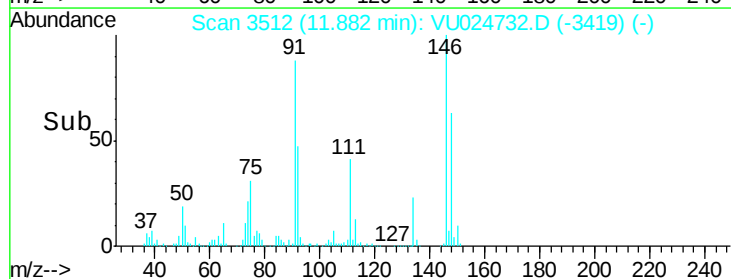
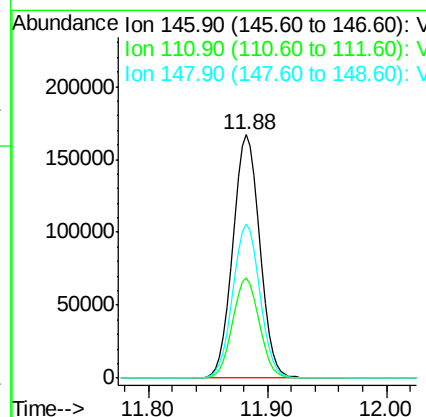
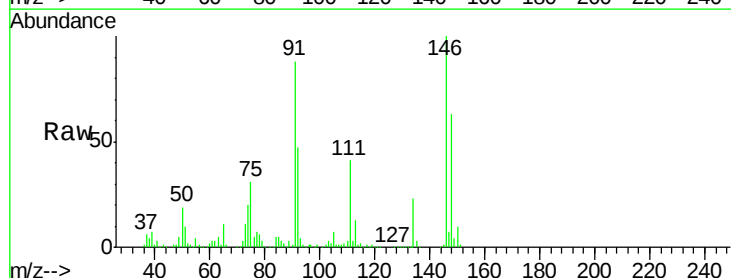
Tgt Ion:146 Resp: 261950

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.6

148 63.8 31.9 95.7





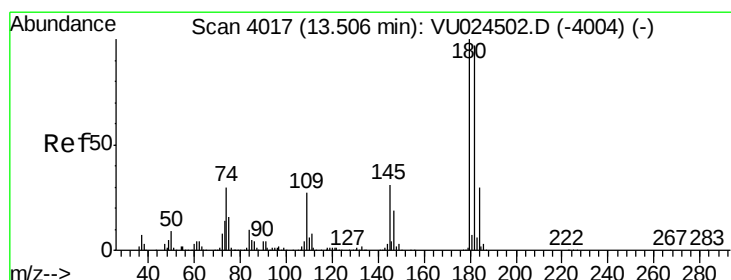
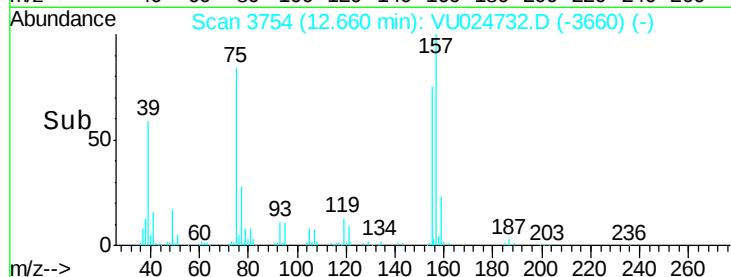
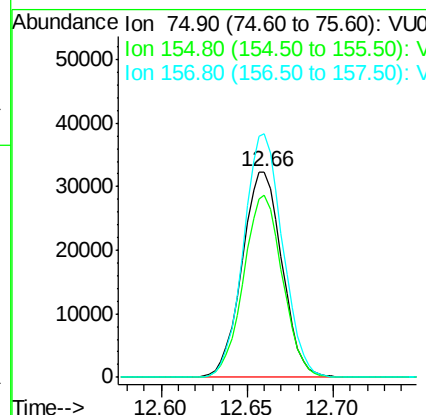
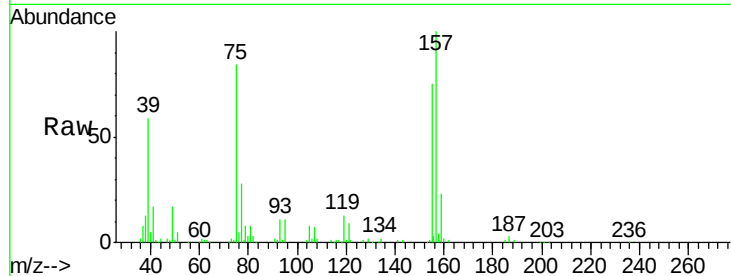
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.36 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	86.0	40.4	121.2
157	115.0	52.3	156.8

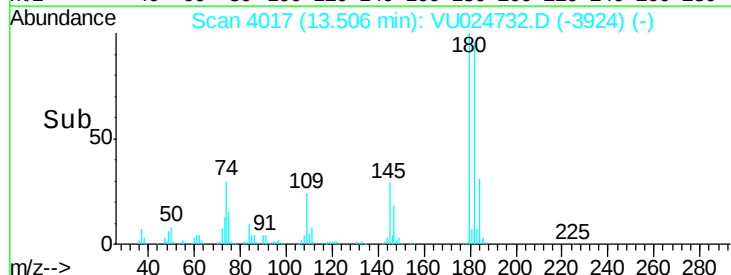
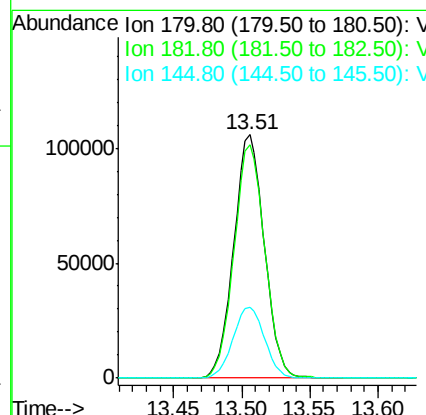
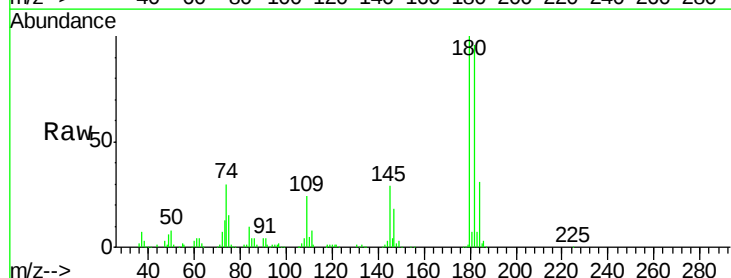
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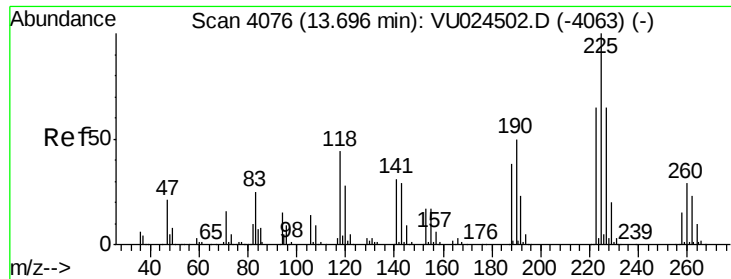
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#93
 1,2,4-Trichlorobenzene
 Concen: 52.60 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	30.1	14.7	44.1





#94

Hexachlorobutadiene

Concen: 41.93 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Instrument :

MSVOA_U

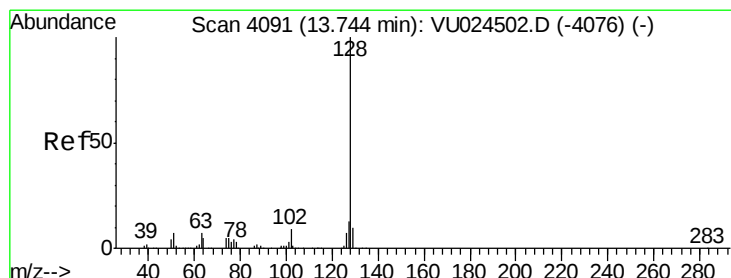
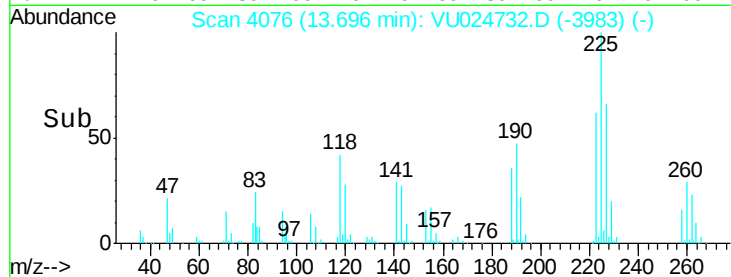
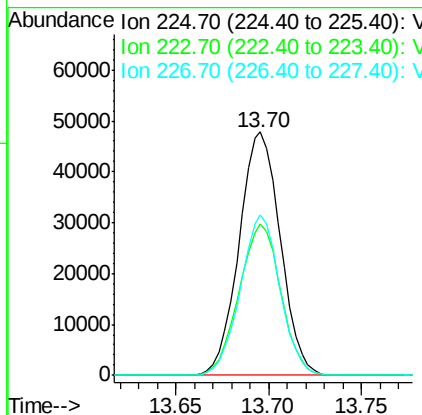
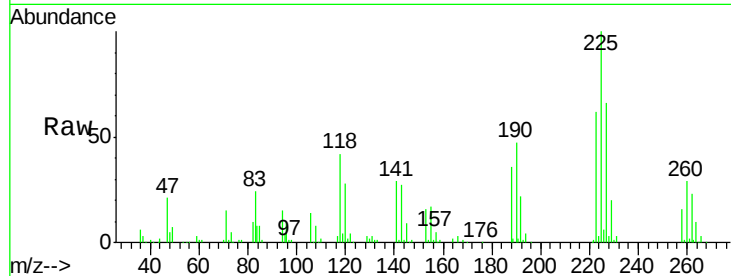
ClientSampleId :

SS036MW002-180613MSD

Tot Ion:	225	Resp:	73940
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.3	93.8
227	63.4	31.8	95.4

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#95

Naphthalene

Concen: 57.77 ug/l

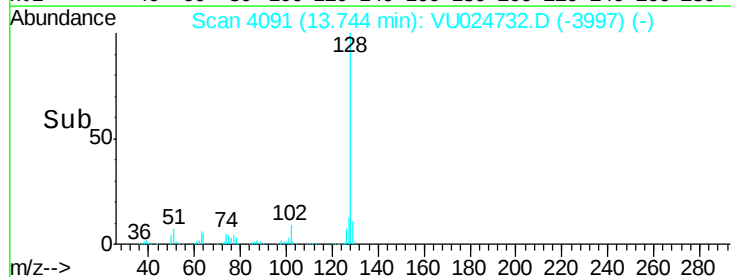
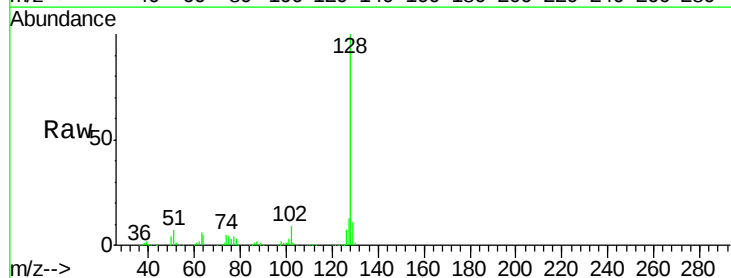
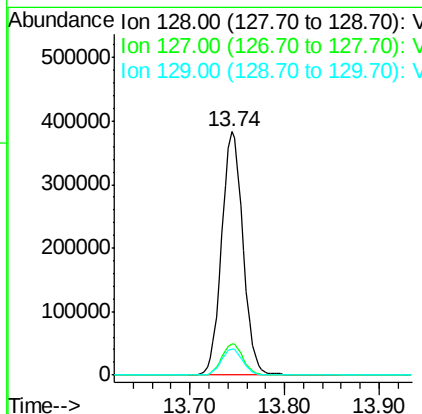
RT: 13.74 min Scan# 4091

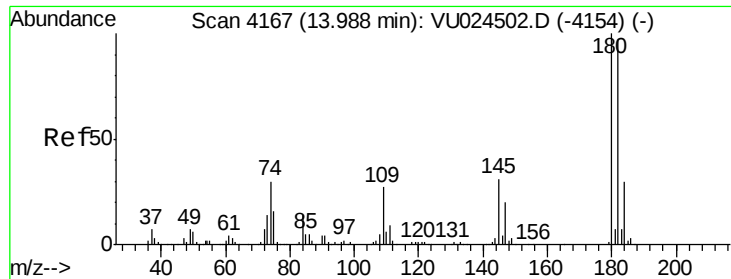
Delta R.T. 0.00 min

Lab File: VU024732.D

Acq: 19 Jun 2018 08:46

Tgt Ion:	128	Resp:	600206
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.9	8.6	12.8





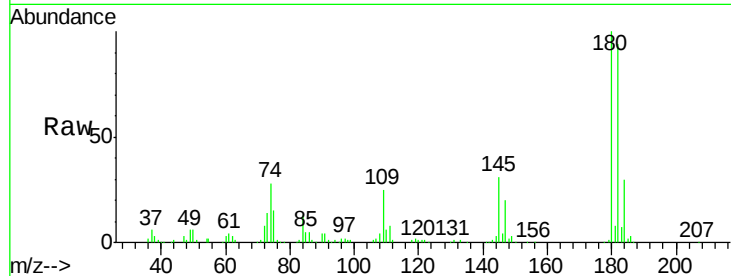
#96
 1,2,3-Trichlorobenzene
 Concen: 57.73 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU024732.D
 Acq: 19 Jun 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW002-180613MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	47.9	143.7
145	30.9	15.4	46.1

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 144.90 (144.60 to 145.60): V

