

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025328.D
 Acq On : 11 Jul 2018 20:45
 Operator : MD/SY
 Sample : J3922-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:21 AM

Quant Time: Jul 12 05:04:11 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	247008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150918	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	127110	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.50%		
35) Dibromofluoromethane	4.89	113	101646	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.60%		
50) Toluene-d8	7.57	98	335635	44.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.30%		
62) 4-Bromofluorobenzene	10.31	95	139460	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81087	46.21	ug/l	99
3) Chloromethane	1.33	50	86443	49.44	ug/l	100
4) Vinyl Chloride	1.40	62	93073	48.26	ug/l	100
5) Bromomethane	1.62	94	51833	52.97	ug/l	99
6) Chloroethane	1.69	64	61440	50.10	ug/l	96
7) Trichlorofluoromethane	1.89	101	148307	48.93	ug/l	98
8) Diethyl Ether	2.10	74	58461	51.40	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	93393	49.72	ug/l	99
10) Methyl Iodide	2.41	142	100317	48.07	ug/l	99
11) Tert butyl alcohol	2.82	59	153431	266.96	ug/l	100
12) 1,1-Dichloroethene	2.28	96	84364	49.08	ug/l	96
13) Acrolein	2.19	56	57163	150.34	ug/l	99
14) Allyl chloride	2.59	41	144914	46.49	ug/l	100
15) Acrylonitrile	2.93	53	323076	273.42	ug/l	100
16) Acetone	2.32	43	301569	224.82	ug/l	98
17) Carbon Disulfide	2.48	76	216296	43.33	ug/l	100
18) Methyl Acetate	2.62	43	151648	56.22	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	355087	54.31	ug/l	98
20) Methylene Chloride	2.70	84	106813	52.37	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	96007	48.88	ug/l	99
22) Diisopropyl ether	3.57	45	340665	53.51	ug/l	98
23) Vinyl Acetate	3.53	43	1443839	258.53	ug/l	100
24) 1,1-Dichloroethane	3.45	63	193688	53.95	ug/l	99
25) 2-Butanone	4.26	43	471185	258.03	ug/l	100
26) 2,2-Dichloropropane	4.23	77	144009	41.72	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	118156	51.99	ug/l	98
28) Bromochloromethane	4.55	49	92618	53.42	ug/l	98
29) Tetrahydrofuran	4.63	42	298466	272.50	ug/l	99
30) Chloroform	4.68	83	205197	53.97	ug/l	99
31) Cyclohexane	5.00	56	159702	48.03	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	185033	53.70	ug/l	99
36) 1,1-Dichloropropene	5.14	75	138753	47.96	ug/l	99
37) Ethyl Acetate	4.38	43	164226	50.90	ug/l	99
38) Carbon Tetrachloride	5.14	117	160638	51.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	167757	46.49	ug/l	99
40) Benzene	5.39	78	424841	50.96	ug/l	98
41) Methacrylonitrile	4.54	41	96622	54.01	ug/l	98
42) 1,2-Dichloroethane	5.41	62	174625	52.69	ug/l	99
43) Isopropyl Acetate	5.55	43	278728	53.95	ug/l	98
44) Trichloroethene	6.19	130	114834	47.97	ug/l	100
45) 1,2-Dichloropropane	6.44	63	115263	52.79	ug/l	98
46) Dibromomethane	6.56	93	81381	51.21	ug/l	99
47) Bromodichloromethane	6.76	83	156237	52.93	ug/l	97
48) Methyl methacrylate	6.62	41	141623	54.98	ug/l	99
49) 1,4-Dioxane	6.62	88	60411	974.73	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	911882	271.55	ug/l	99
52) Toluene	7.64	92	274192	51.69	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	162266	50.03	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	172386	49.94	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	119107	53.92	ug/l	98
56) Ethyl methacrylate	8.02	69	183768	53.26	ug/l	99
57) 1,3-Dichloropropane	8.25	76	194493	53.04	ug/l	99
59) 2-Hexanone	8.36	43	707433	259.72	ug/l	99
60) Dibromochloromethane	8.48	129	129721	54.37	ug/l	99
61) 1,2-Dibromoethane	8.59	107	127784	54.06	ug/l	99
64) Tetrachloroethene	8.23	164	103090	45.79	ug/l	99
65) Chlorobenzene	9.12	112	1636015	265.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	120965	54.80	ug/l	100
67) Ethyl Benzene	9.25	91	539983	51.33	ug/l	100
68) m/p-Xylenes	9.38	106	415035	102.05	ug/l	100
69) o-Xylene	9.78	106	210502	51.70	ug/l	96
70) Stvrene	9.80	104	339792	52.54	ug/l	99
71) Bromoform	9.96	173	102272	48.12	ug/l #	99
73) Isopropylbenzene	10.17	105	571132	49.53	ug/l	99
74) N-amyl acetate	10.01	43	239816	50.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194148	51.46	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	175336m	56.15	ug/l	
77) Bromobenzene	10.45	156	146388	49.62	ug/l	98
78) n-propylbenzene	10.59	91	628826	49.14	ug/l	100
79) 2-Chlorotoluene	10.66	91	379296	51.62	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	481437	49.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	56471m	46.97	ug/l	
82) 4-Chlorotoluene	10.78	91	438258	48.37	ug/l	100
83) tert-Butylbenzene	11.10	119	535962	54.66	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	489612	49.24	ug/l	98
85) sec-Butylbenzene	11.33	105	610134	52.85	ug/l	96
86) p-Isopropyltoluene	11.48	119	513015	50.19	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	264887	49.13	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	266146	50.52	ug/l	100
89) n-Butylbenzene	11.89	91	416718	49.59	ug/l	99
90) Hexachloroethane	12.15	117	88766	51.28	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	270242	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50996	55.73	ug/l	97
93) 1,2,4-Trichlorobenzene	13.51	180	171696	47.28	ug/l	98

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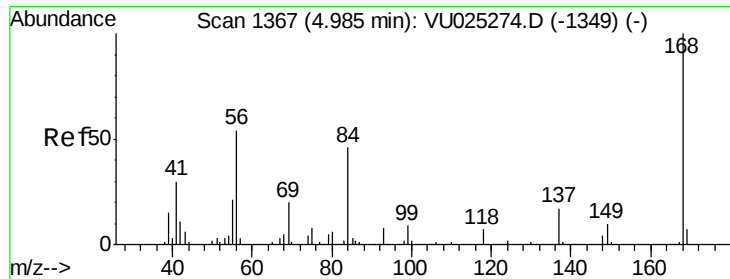
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	95042	48.81	ug/l	99
95) Naphthalene	13.74	128	577036	51.97	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	183095	49.49	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion:168 Resp: 169574

Ion Ratio Lower Upper

168 100

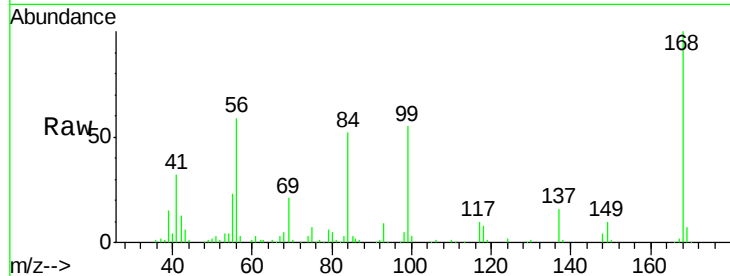
99 54.3 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

80000

60000

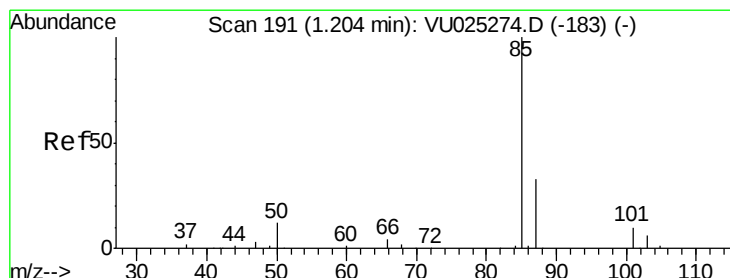
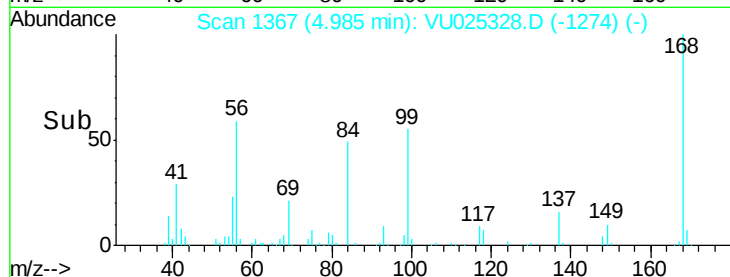
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.21 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025328.D

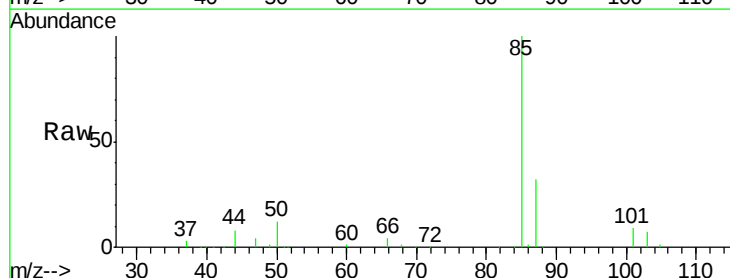
Acq: 11 Jul 2018 20:45

Tgt Ion: 85 Resp: 81087

Ion Ratio Lower Upper

85 100

87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

80000

60000

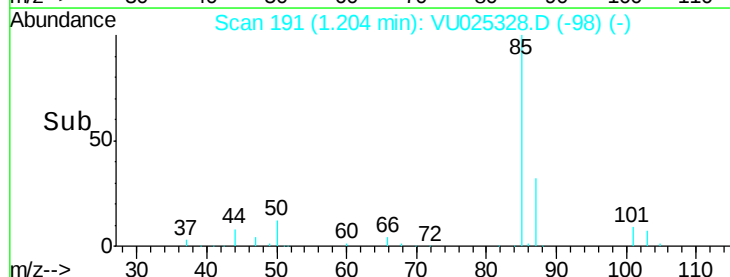
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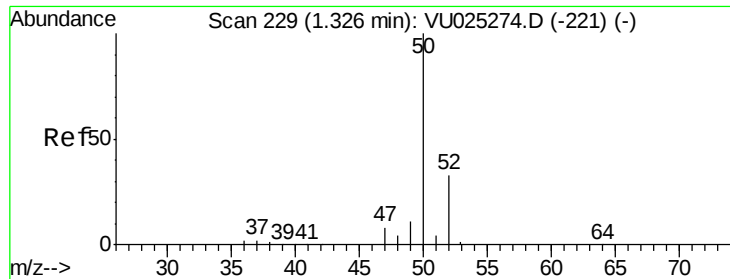
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.44 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 50 Resp: 86443

Ion Ratio Lower Upper

50 100

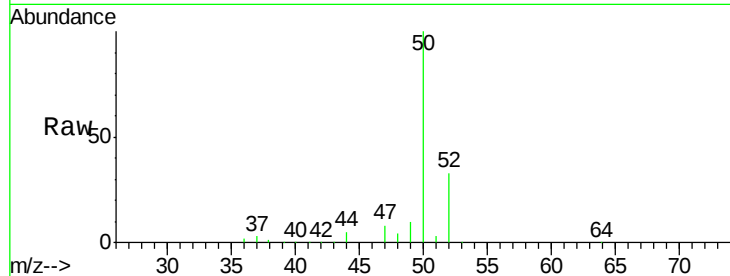
52 32.9 26.5 39.7

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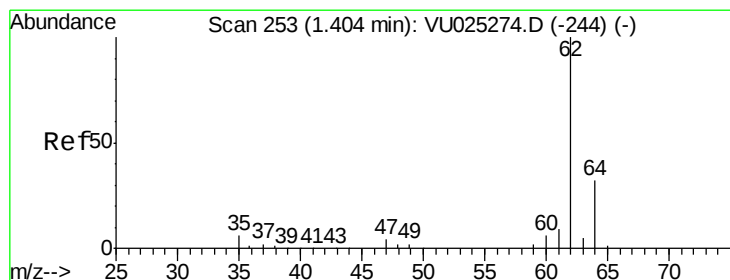
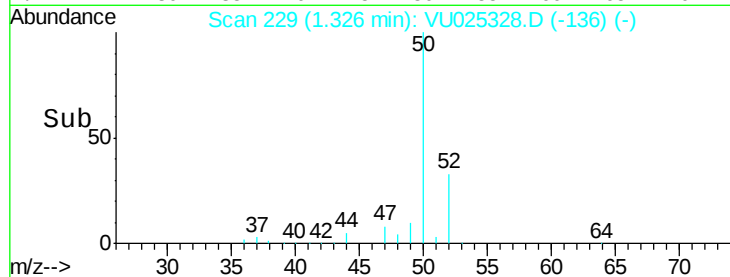
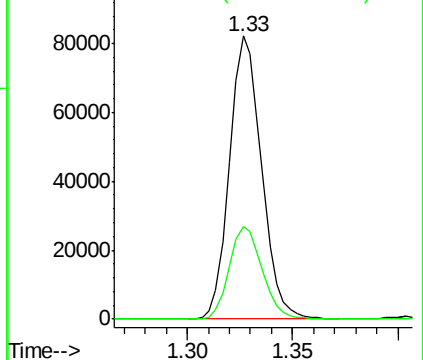
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.26 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025328.D

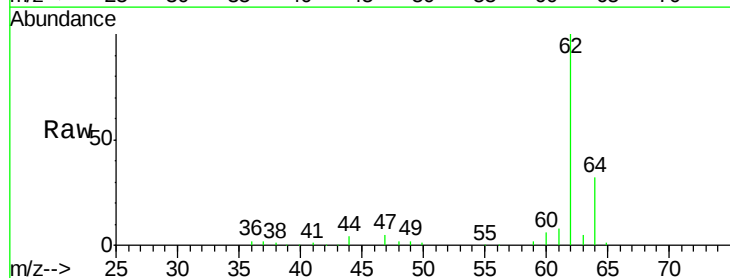
Acq: 11 Jul 2018 20:45

Tgt Ion: 62 Resp: 93073

Ion Ratio Lower Upper

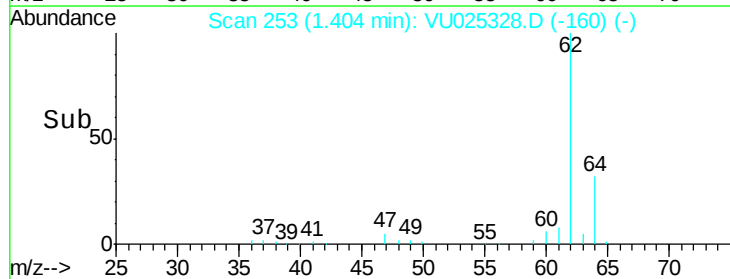
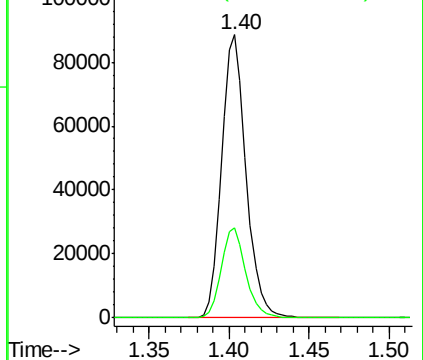
62 100

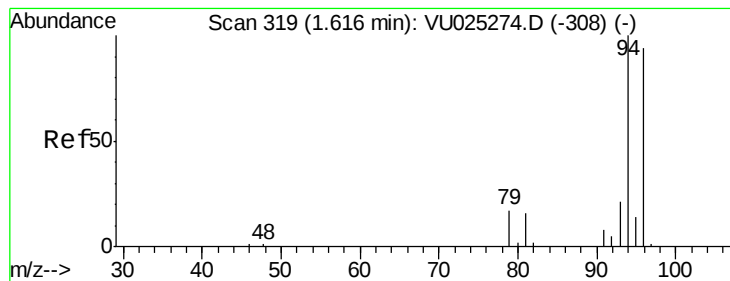
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.97 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 94 Resp: 51833

Ion Ratio Lower Upper

94 100

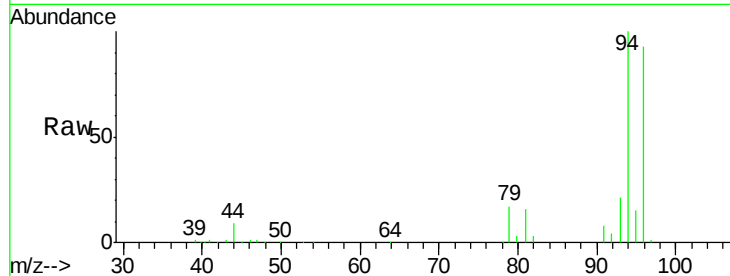
96 93.1 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU025328.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VU025328.D (-225) (-)

1.62

40000

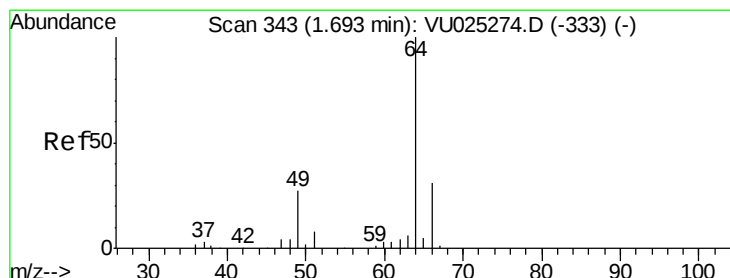
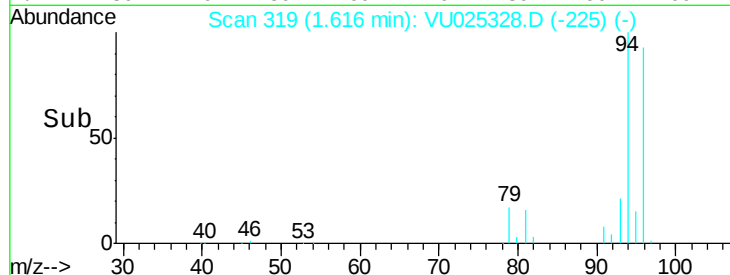
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 50.10 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025328.D

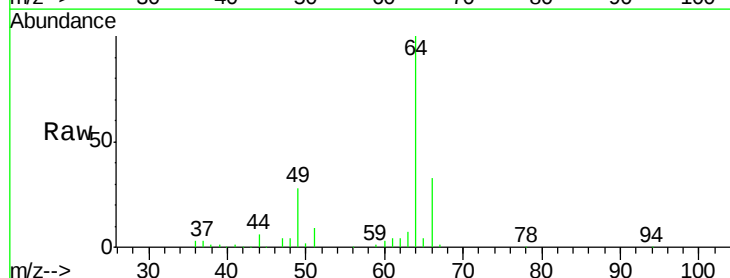
Acq: 11 Jul 2018 20:45

Tgt Ion: 64 Resp: 61440

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025328.D (-249) (-)

Ion 65.90 (65.60 to 66.60): VU025328.D (-249) (-)

1.69

50000

40000

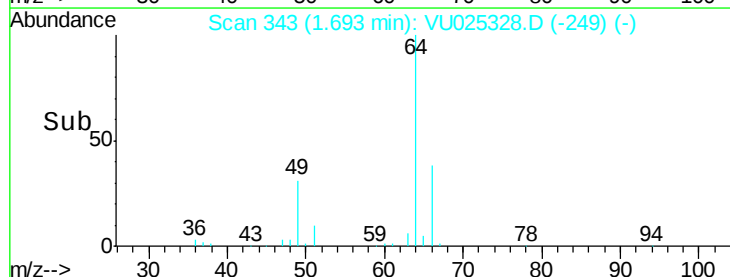
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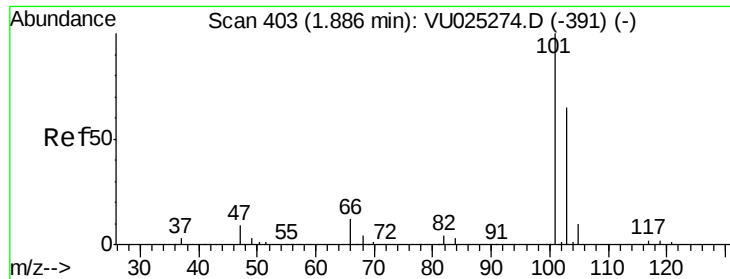
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10000

0

Time-->





#7

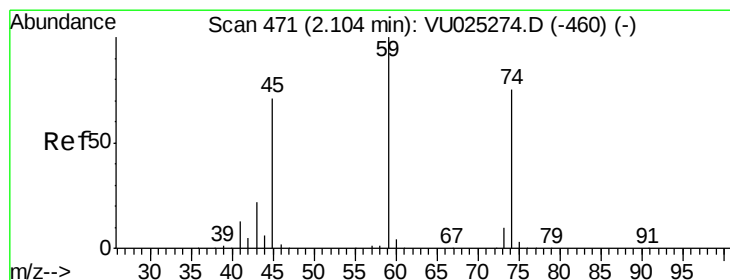
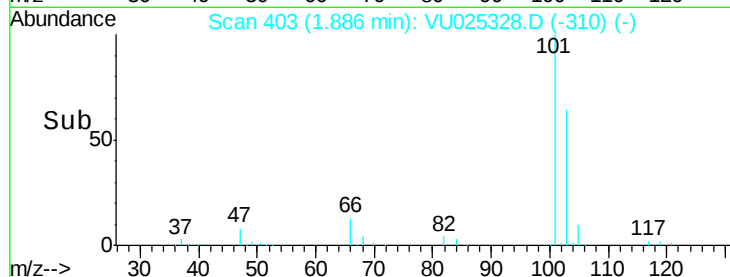
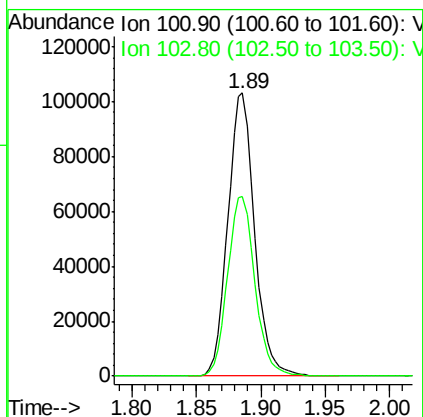
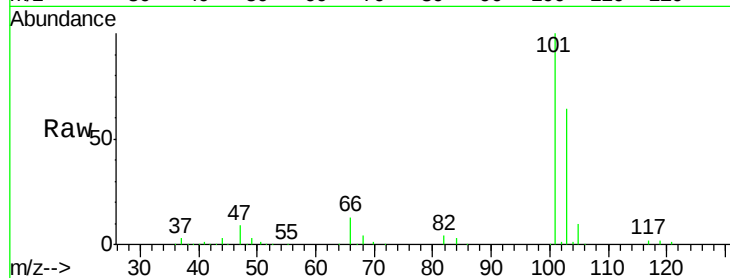
Trichlorofluoromethane
Concen: 48.93 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.2

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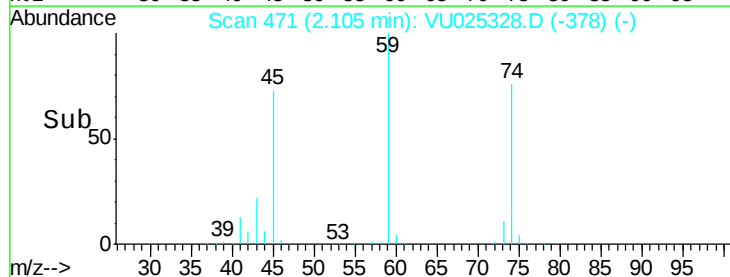
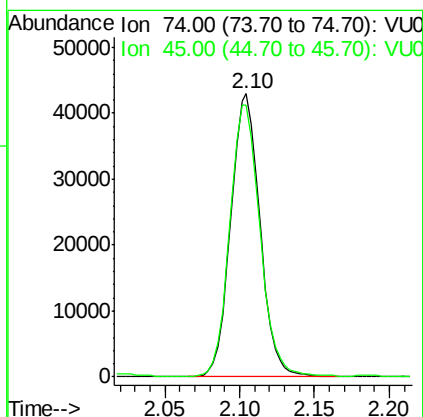
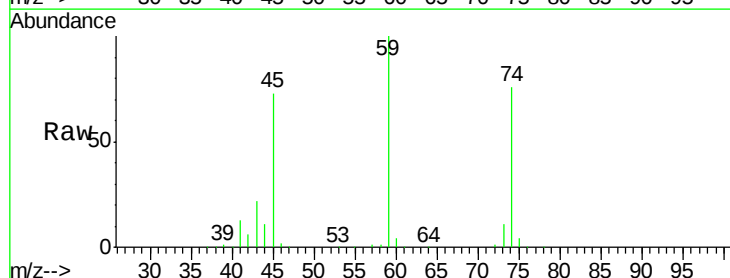
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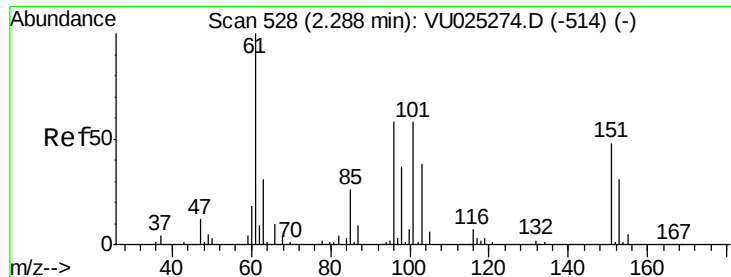


#8

Diethyl Ether
Concen: 51.40 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025328.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	48.3	144.9





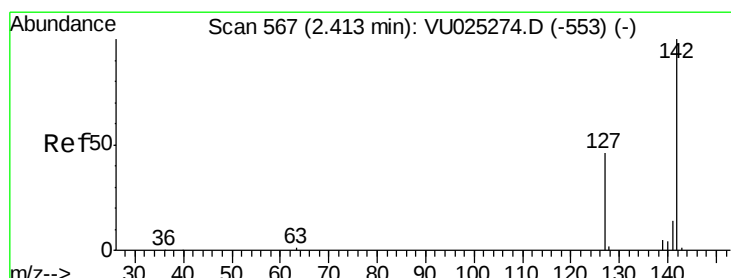
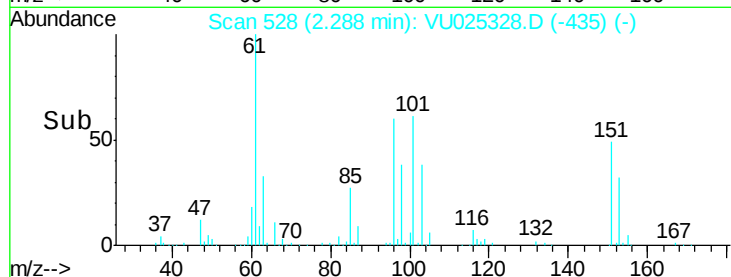
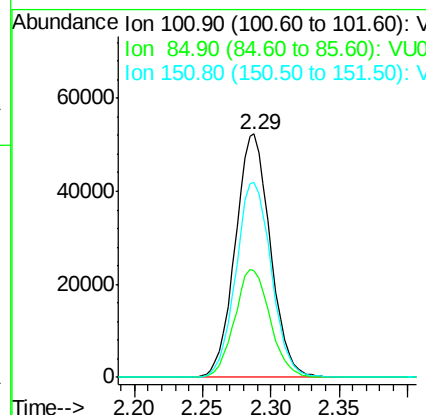
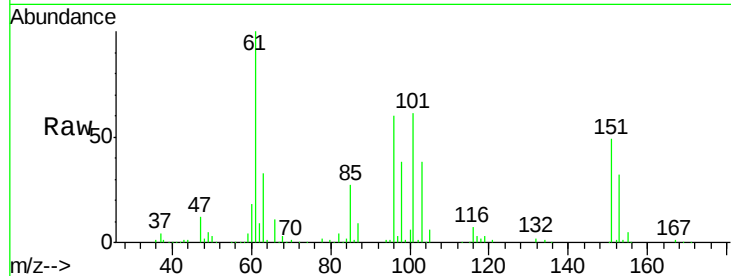
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.72 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
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ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	93393		
85	44.8	36.0	54.0	
151	81.0	65.6	98.4	

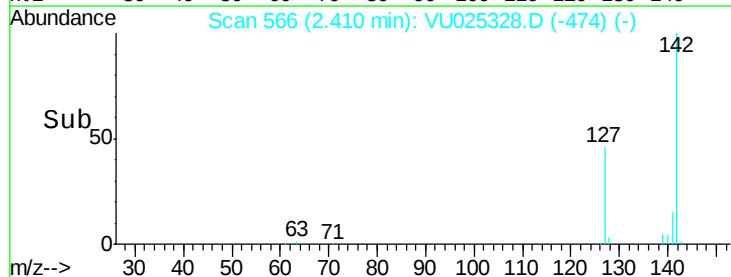
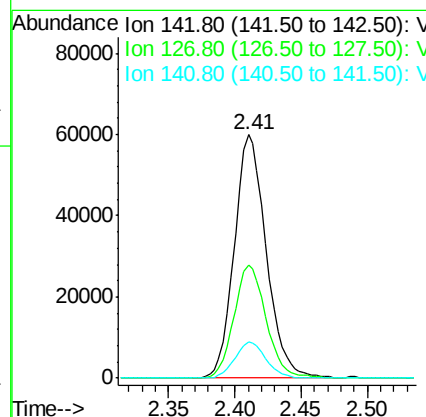
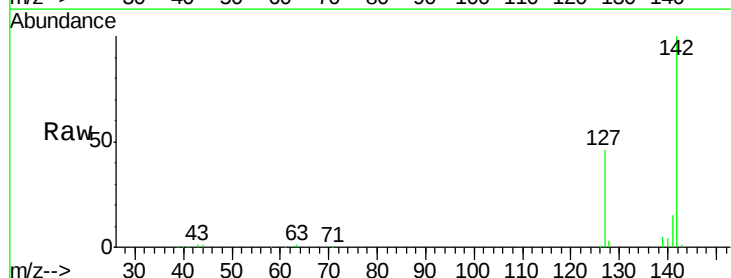
Manual Integrations
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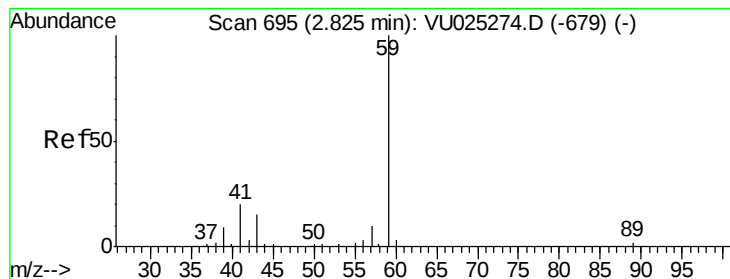
MMDadoda
7/12/2018 11:04:21 AM



#10
Methyl Iodide
Concen: 48.07 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	100317		
127	46.7	36.5	54.7	
141	14.4	11.4	17.2	





#11

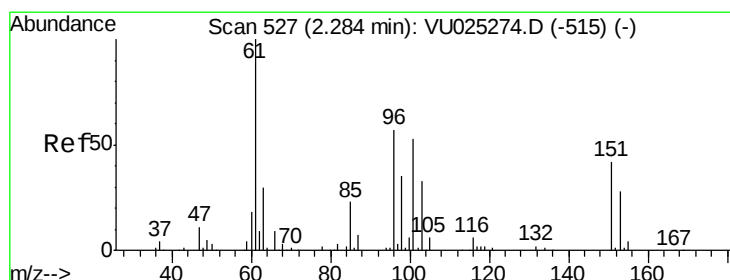
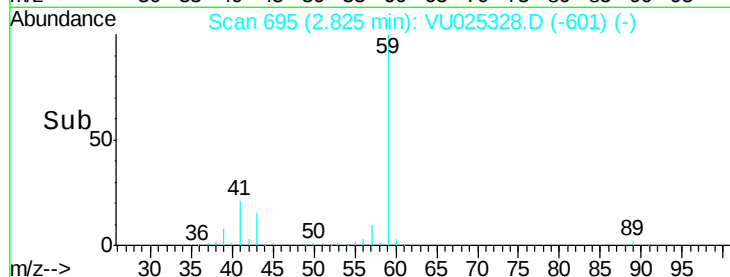
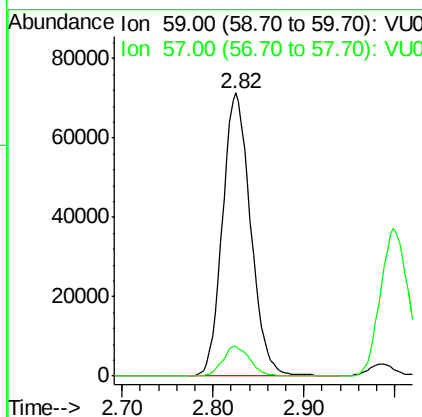
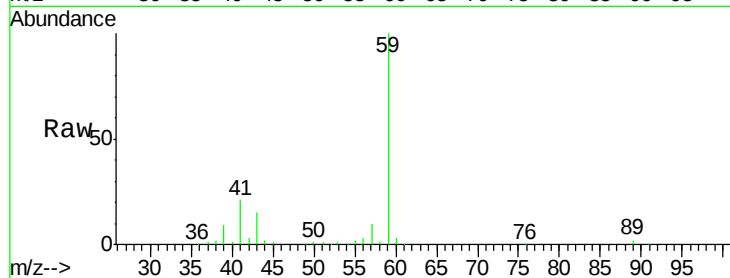
Tert butyl alcohol
 Concen: 266.96 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

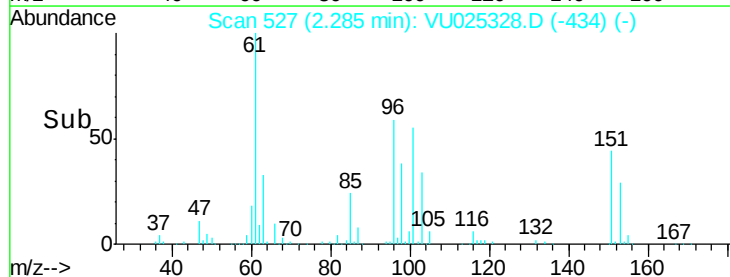
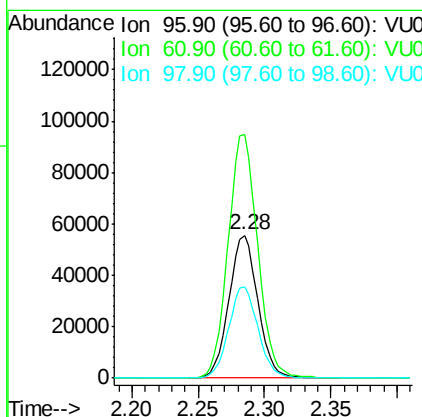
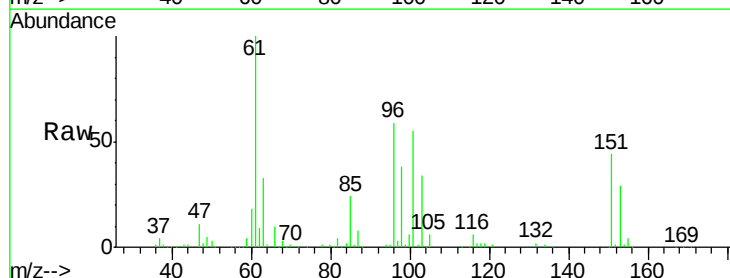
MMDadoda
 7/12/2018 11:04:21 AM

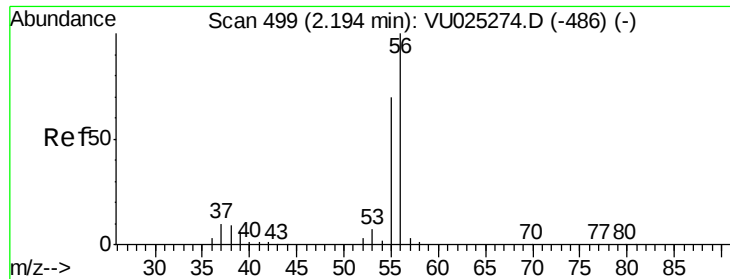


#12

1,1-Dichloroethene
 Concen: 49.08 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	140.2	210.4
98	63.9	49.3	73.9





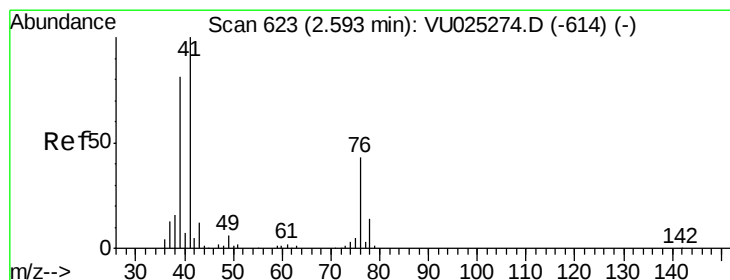
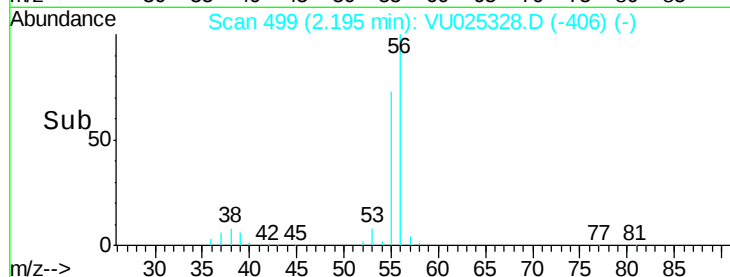
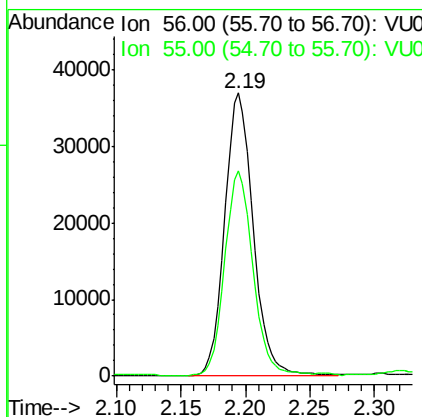
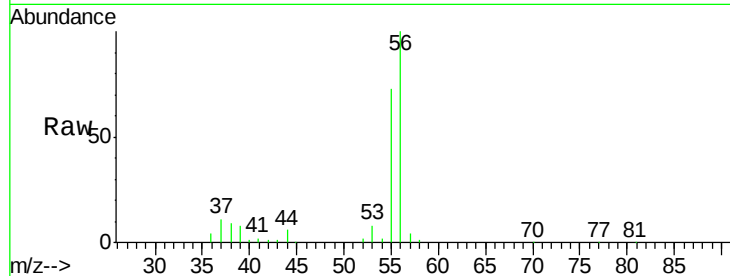
#13
Acrolein
Concen: 150.34 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	71.9		57.2	85.8	

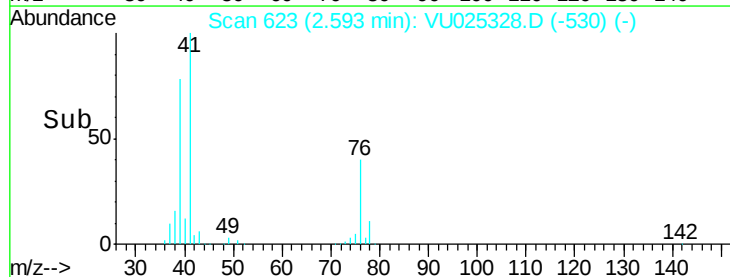
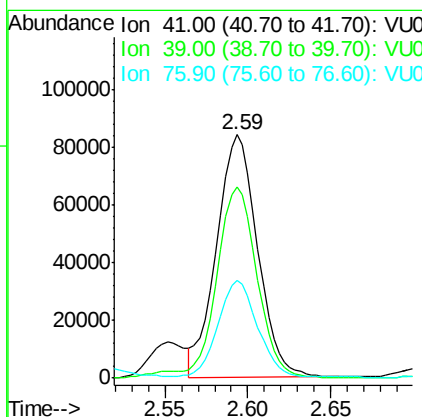
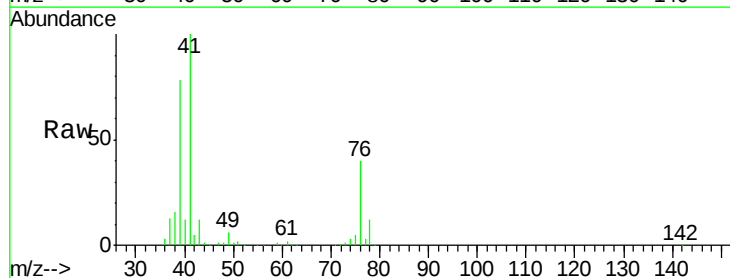
Manual Integrations
APPROVED

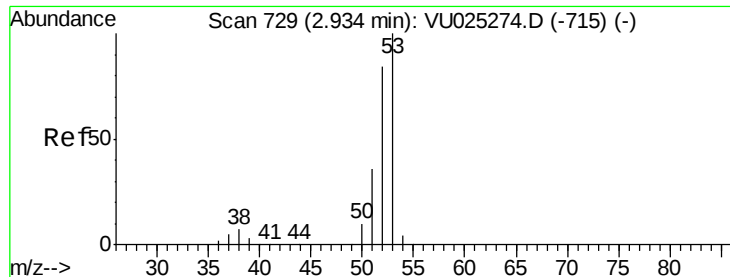
MMDadoda
7/12/2018 11:04:21 AM



#14
Allyl chloride
Concen: 46.49 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	76.2			60.6	91.0	
76	38.0			30.5	45.7	





#15

Acrylonitrile

Concen: 273.42 ug/l

RT: 2.93 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

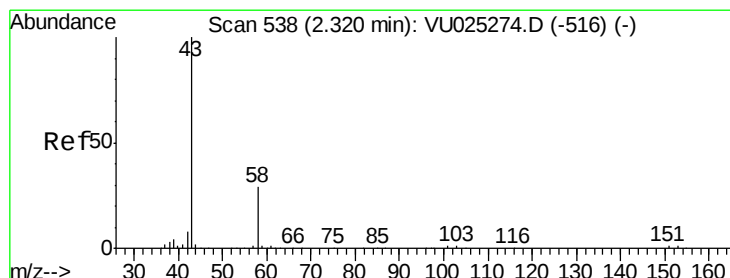
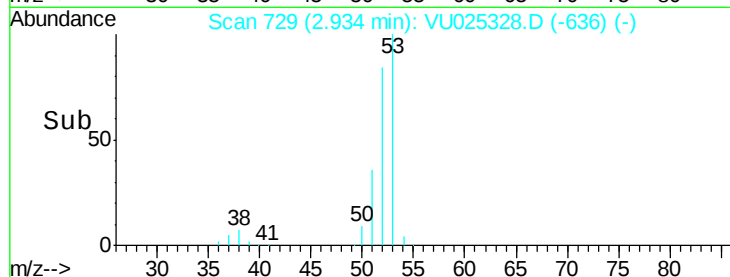
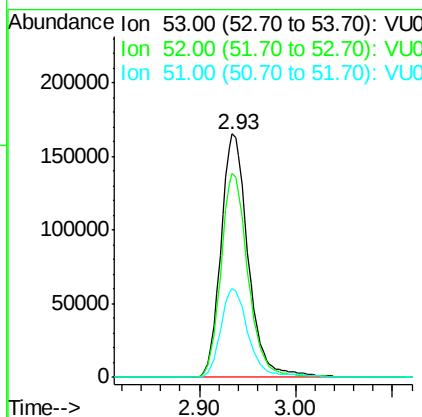
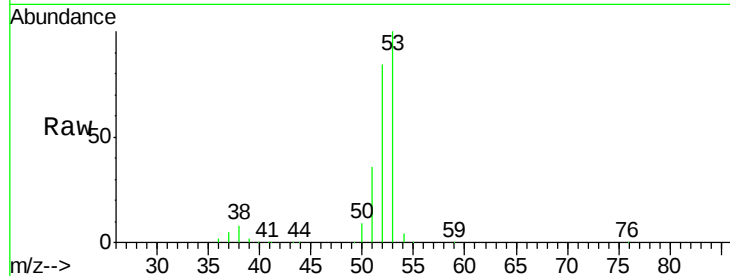
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	53	Resp:	323076
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	99.8
51	36.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 224.82 ug/l

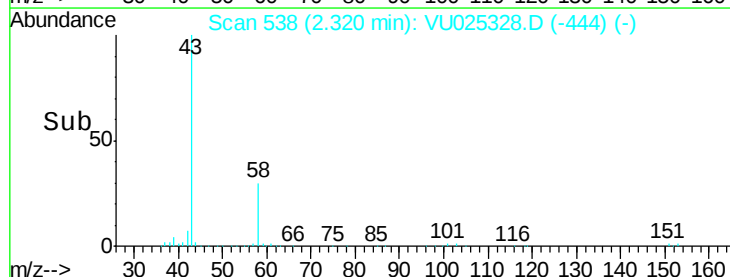
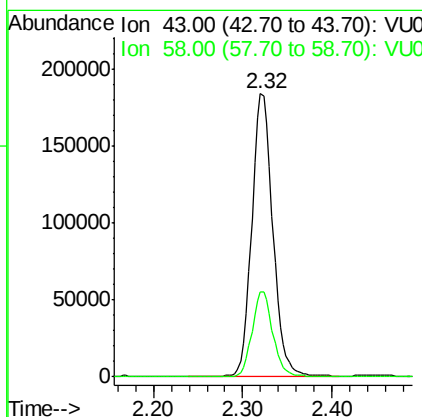
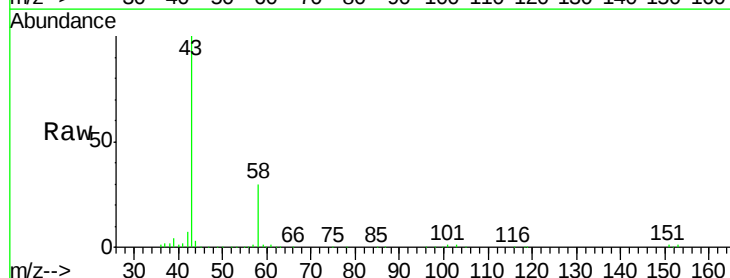
RT: 2.32 min Scan# 538

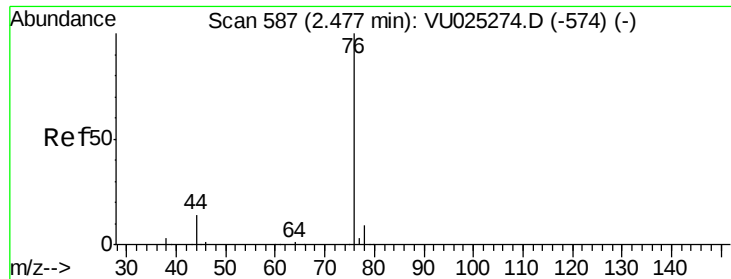
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	43	Resp:	301569
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.1	34.7





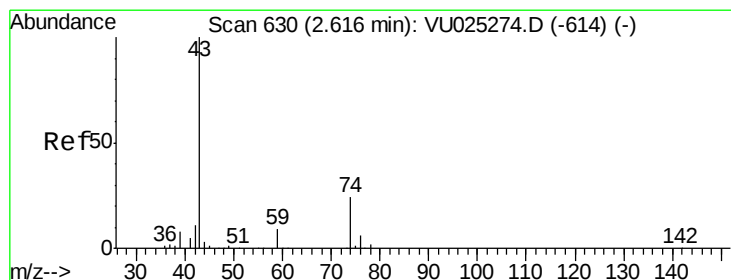
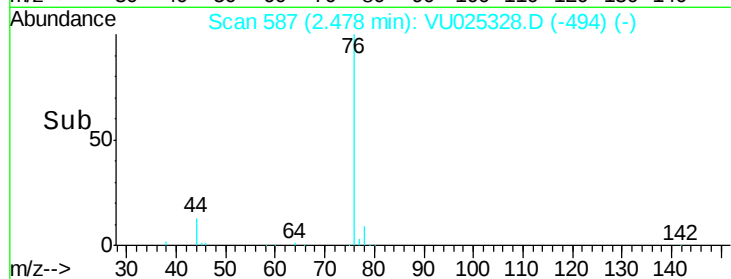
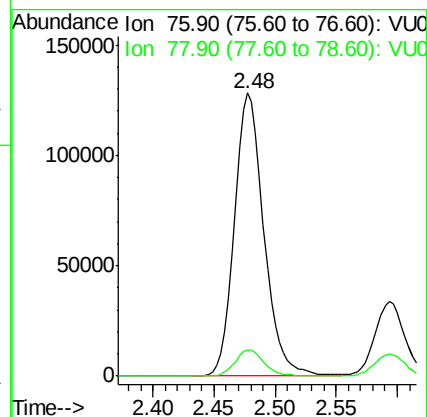
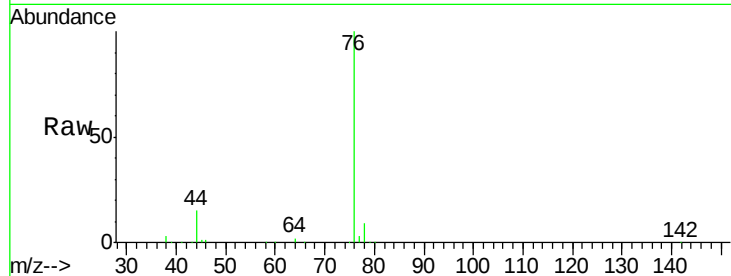
#17
Carbon Disulfide
Concen: 43.33 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

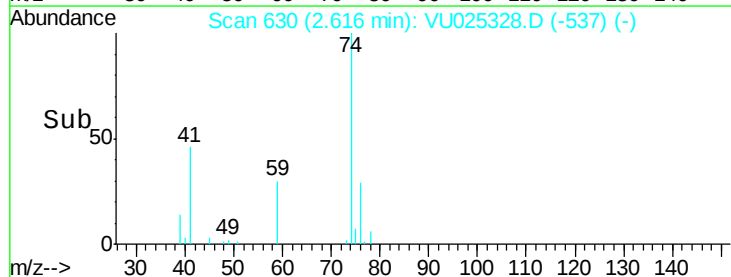
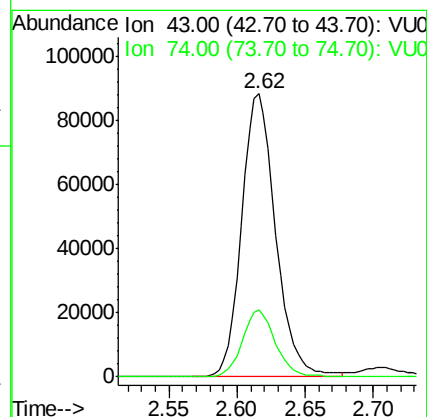
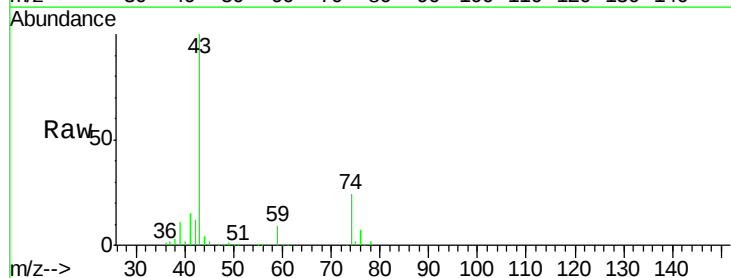
Manual Integrations
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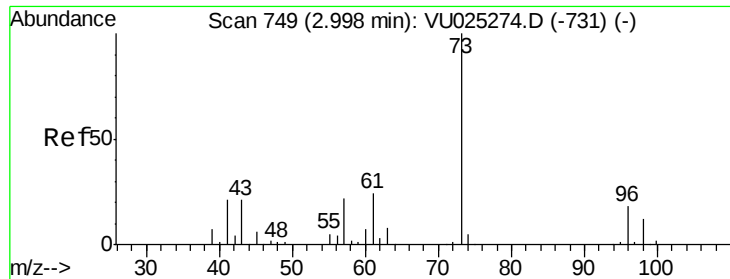
MMDadoda
7/12/2018 11:04:21 AM



#18
Methyl Acetate
Concen: 56.22 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.5	27.7





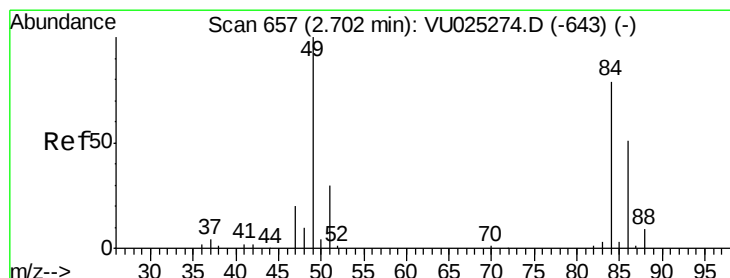
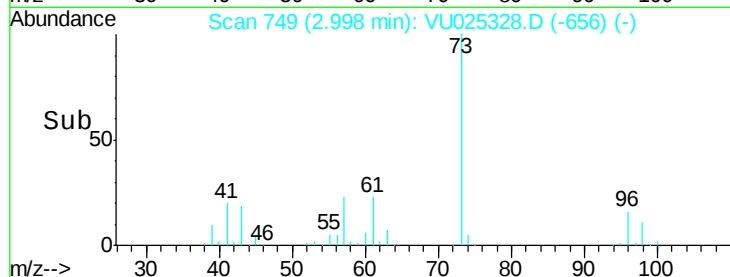
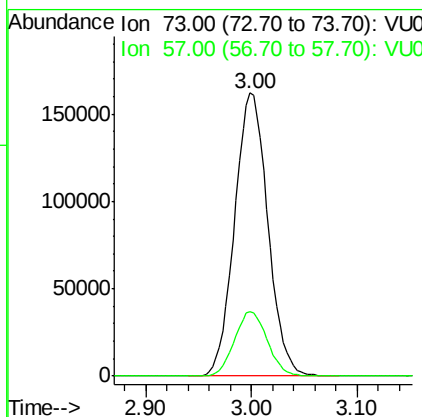
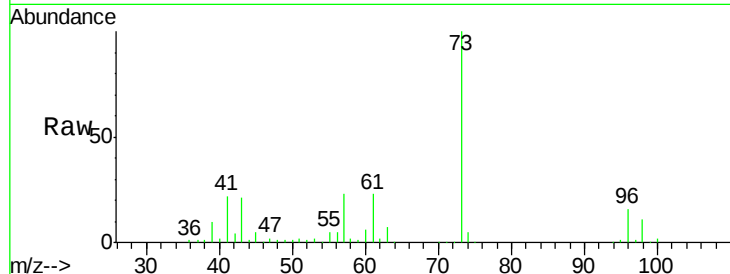
#19
Methyl tert-butyl Ether
Concen: 54.31 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion: 73 Resp: 355087
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.2

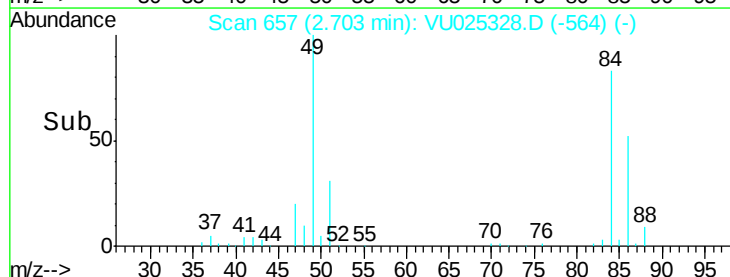
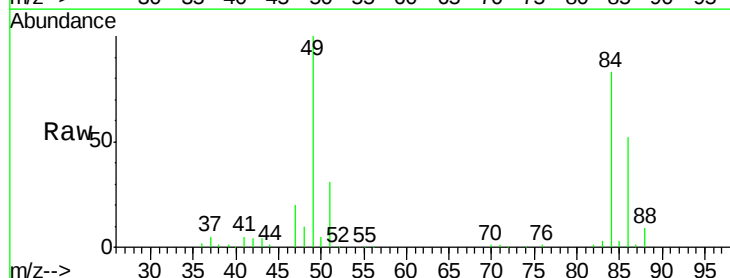
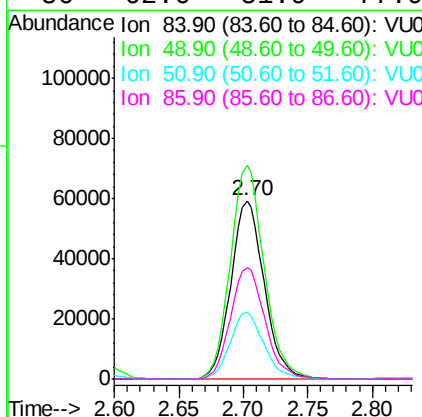
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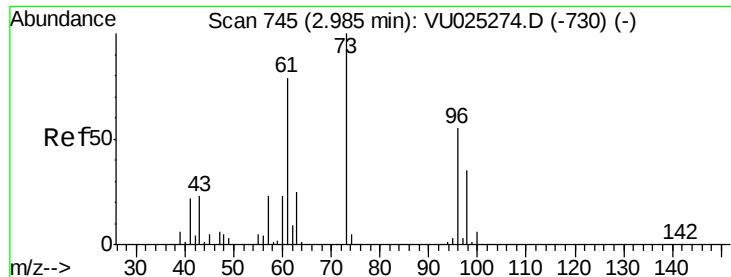
MMDadoda
7/12/2018 11:04:21 AM



#20
Methylene Chloride
Concen: 52.37 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion: 84 Resp: 106813
Ion Ratio Lower Upper
84 100
49 119.9 101.8 152.6
51 37.6 30.8 46.2
86 62.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.88 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

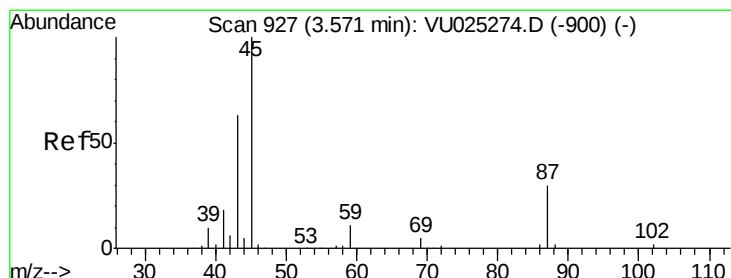
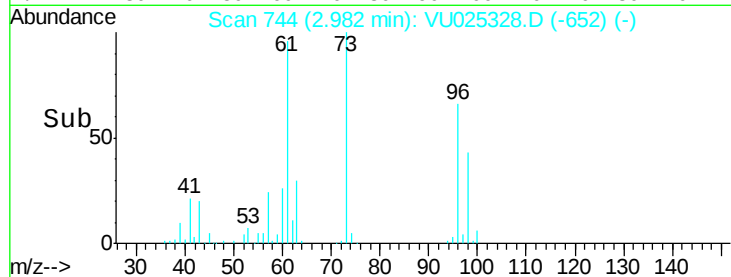
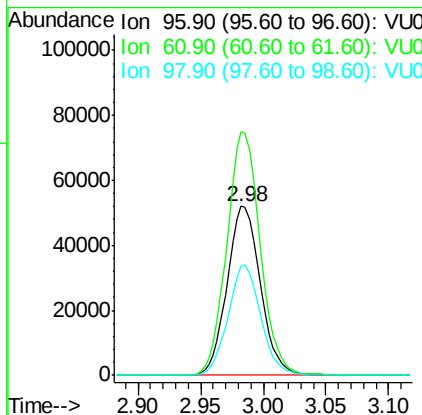
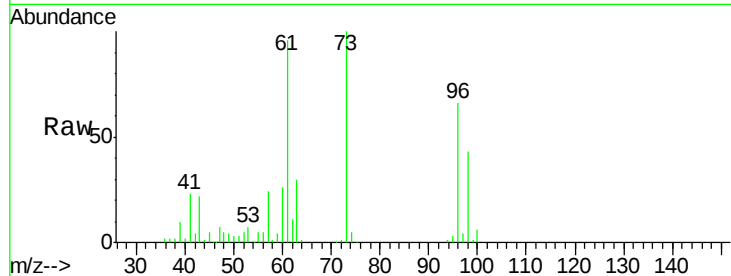
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	96	Resp:	96007
Ion Ratio	Lower	Upper	
96	100		
61	144.0	114.5	171.7
98	64.4	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.51 ug/l

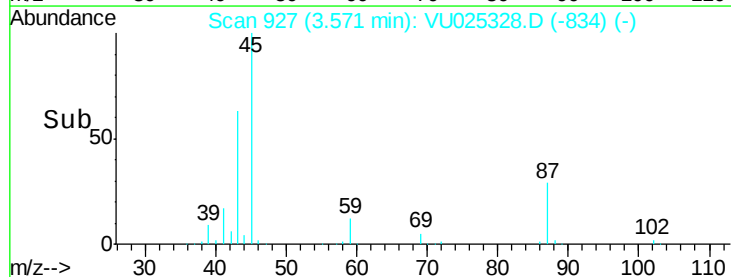
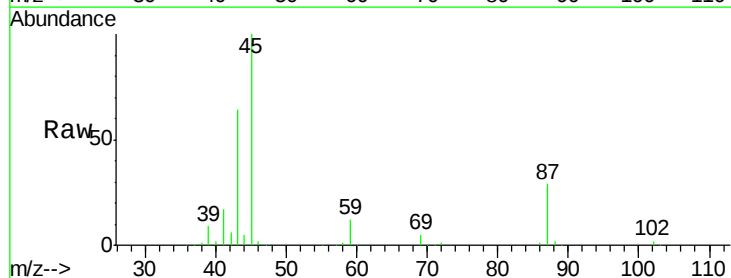
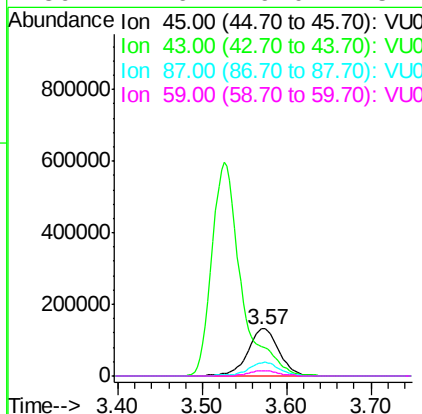
RT: 3.57 min Scan# 927

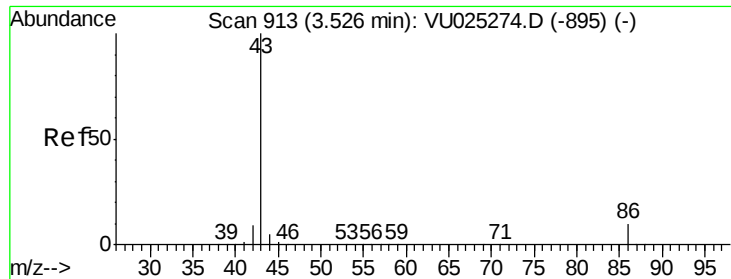
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	45	Resp:	340665
Ion Ratio	Lower	Upper	
45	100		
43	62.6	50.9	76.3
87	28.6	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 258.53 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 43 Resp: 1443839

Ion Ratio Lower Upper

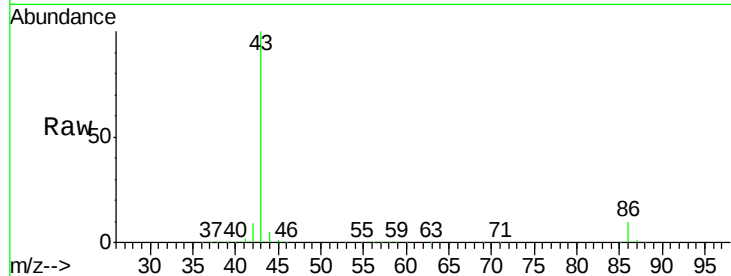
43 100

86 10.3 8.2 12.2

Manual Integrations
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7/12/2018 11:04:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

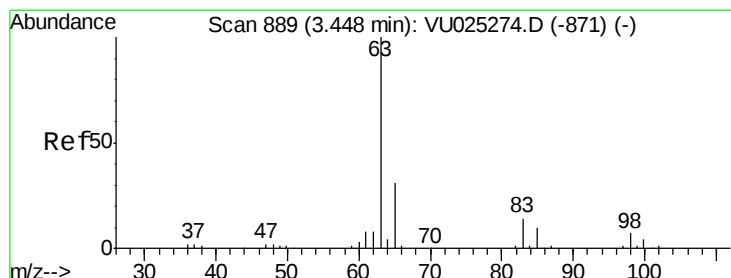
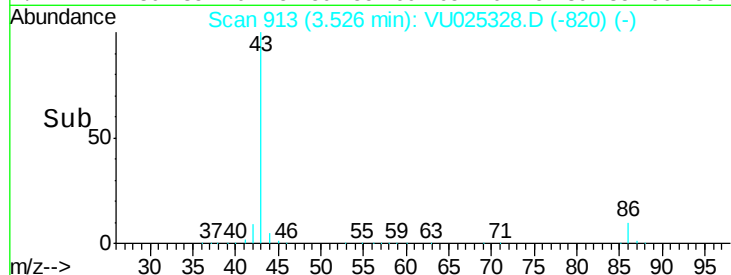
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.95 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

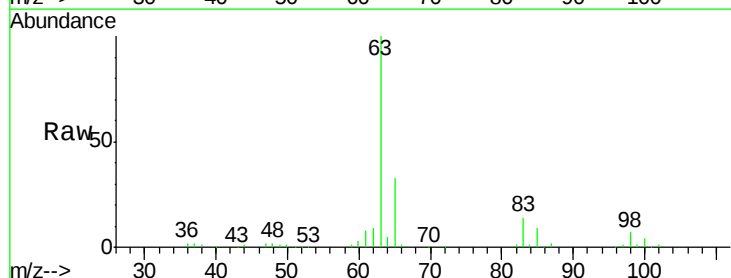
Tgt Ion: 63 Resp: 193688

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

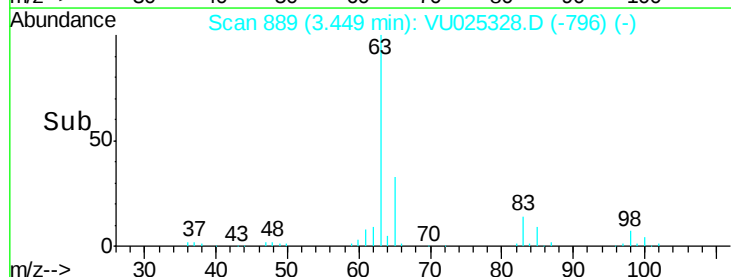
60000

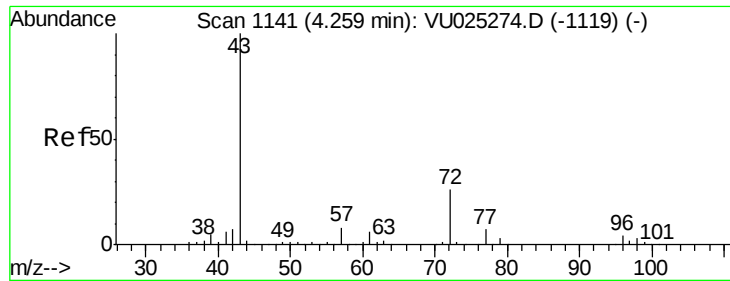
40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.03 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 43 Resp: 471185

Ion Ratio Lower Upper

43 100

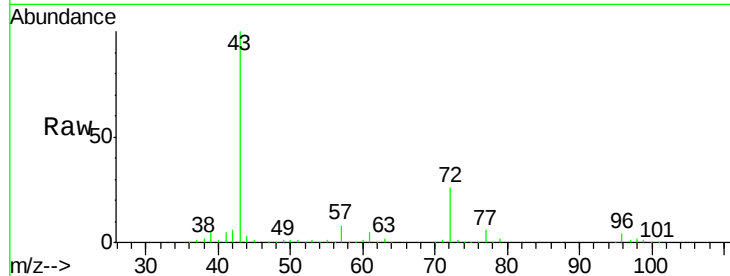
72 26.0 21.0 31.4

Manual Integrations

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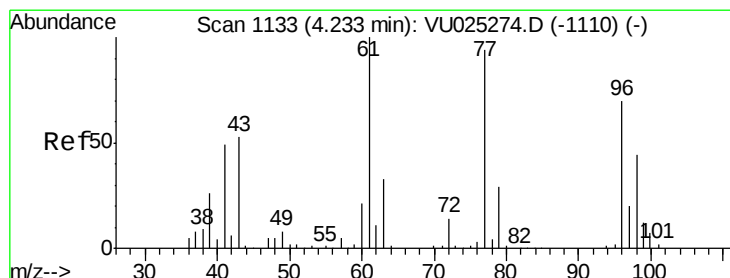
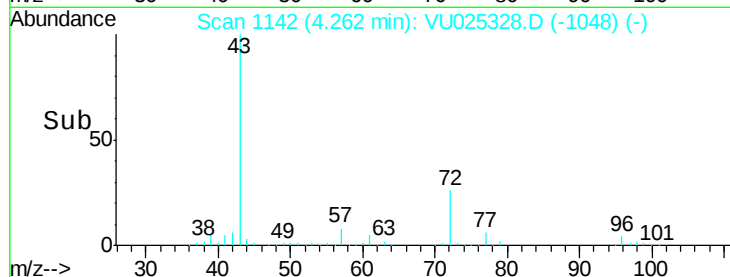
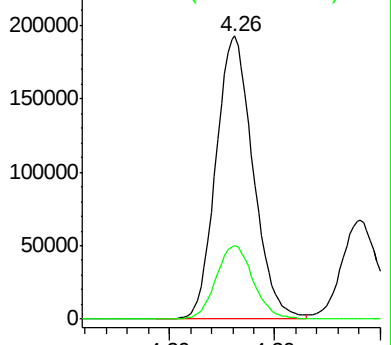
MMDadoda

7/12/2018 11:04:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 41.72 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025328.D

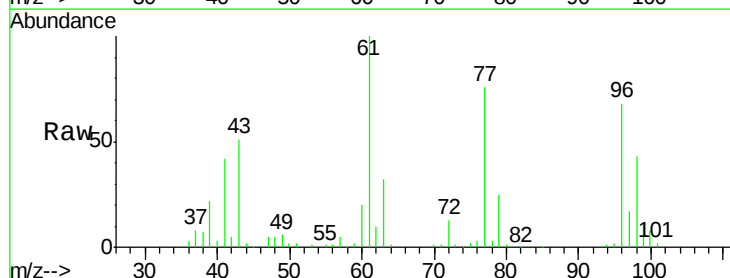
Acq: 11 Jul 2018 20:45

Tgt Ion: 77 Resp: 144009

Ion Ratio Lower Upper

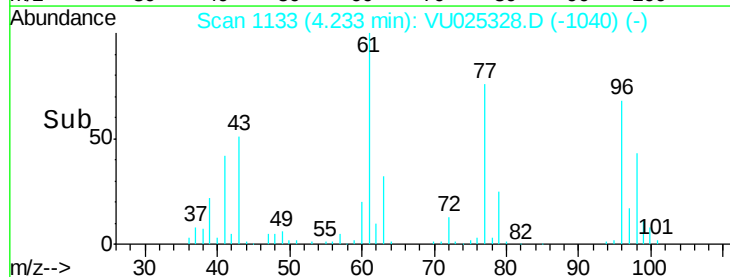
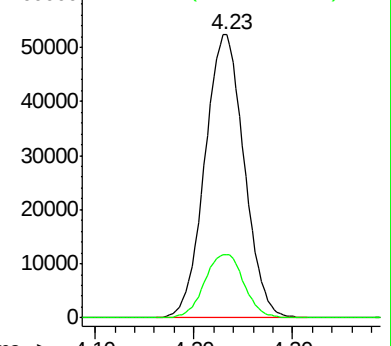
77 100

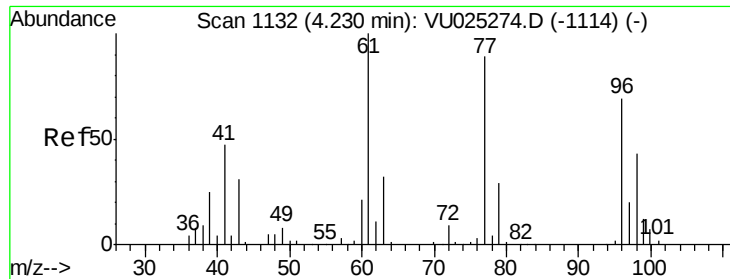
97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





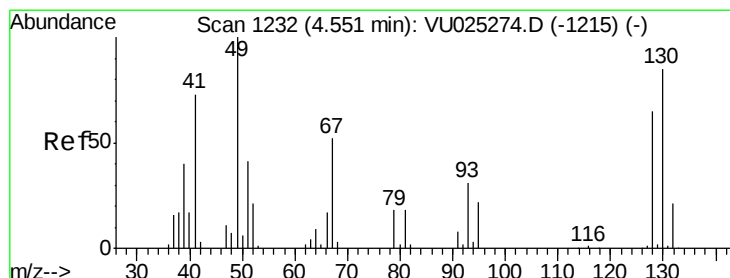
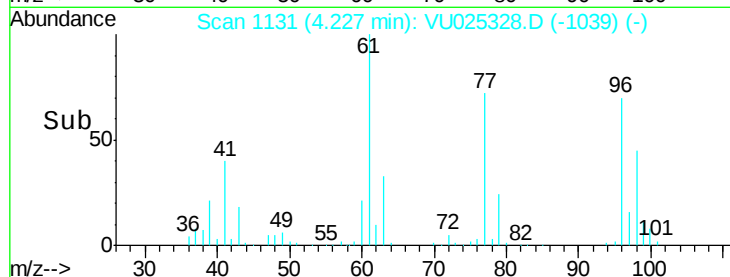
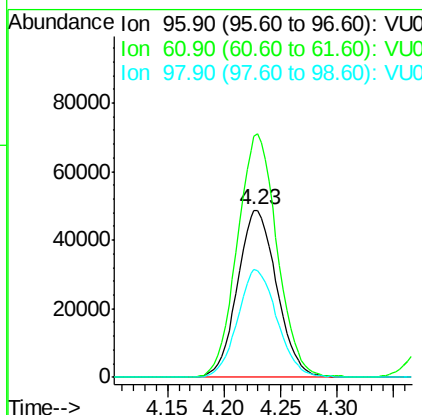
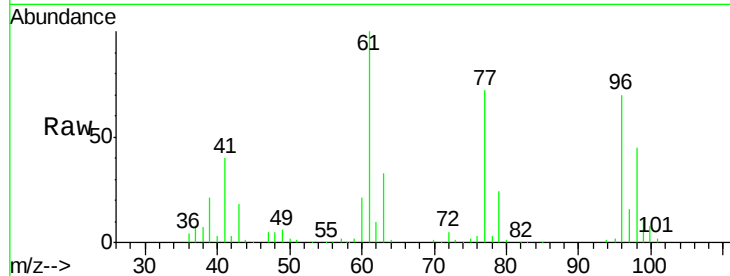
#27
 cis-1,2-Dichloroethene
 Concen: 51.99 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118156		
61	147.0	0.0	299.8	
98	64.6	0.0	128.6	

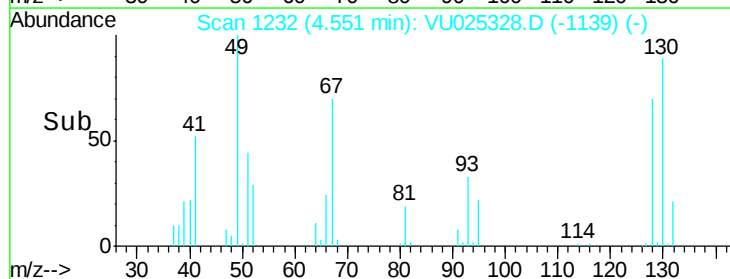
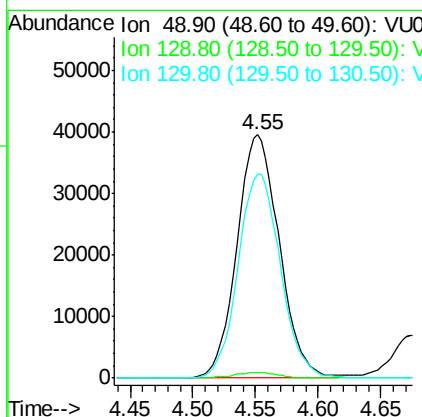
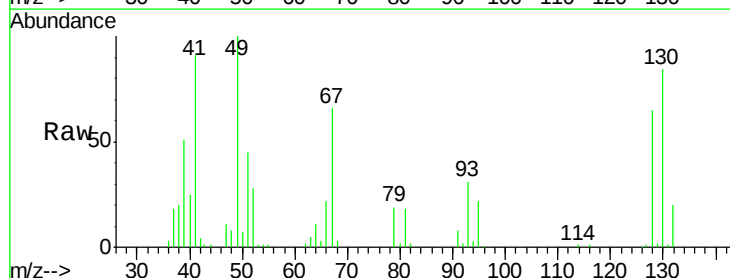
Manual Integrations
 APPROVED

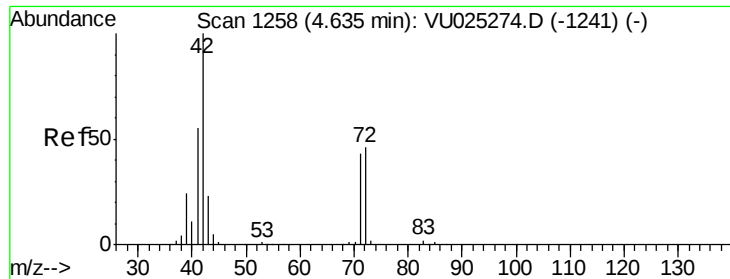
MMDadoda
 7/12/2018 11:04:21 AM



#28
 Bromochloromethane
 Concen: 53.42 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92618		
129	2.4	0.0	4.6	
130	84.0	68.6	102.8	





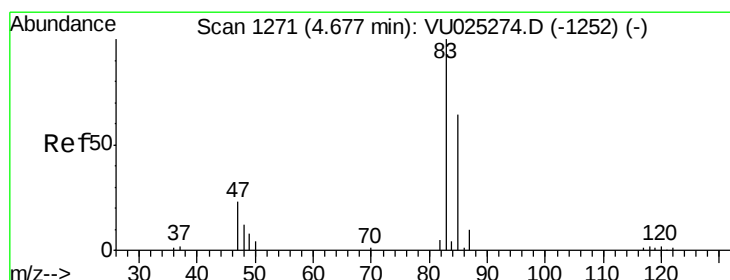
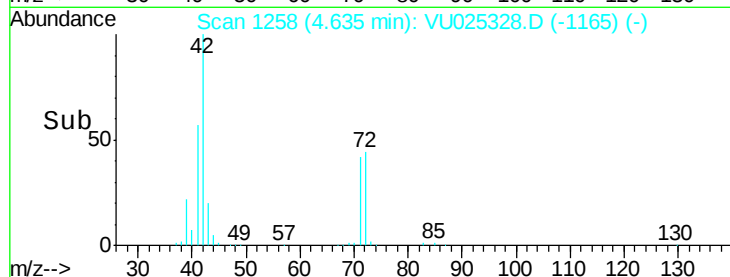
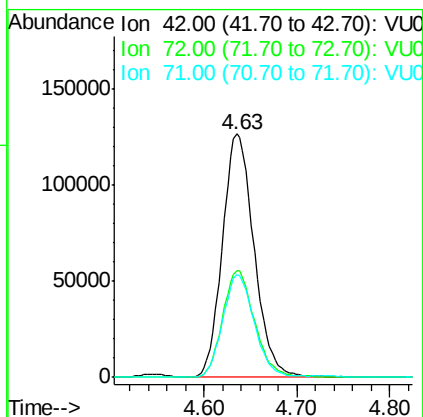
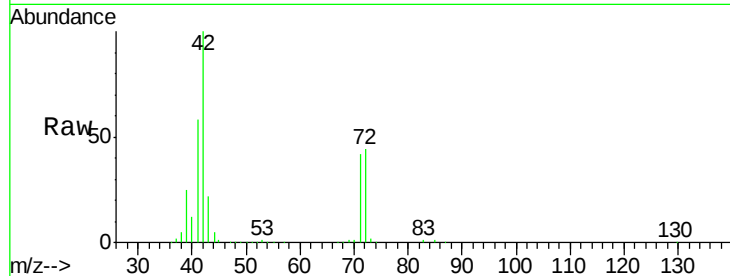
#29
Tetrahydrofuran
Concen: 272.50 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.7	55.1
71	42.2	33.9	50.9

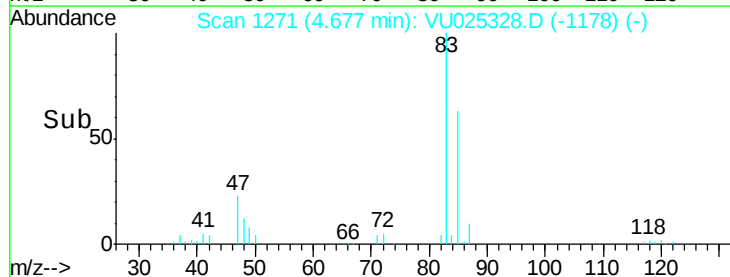
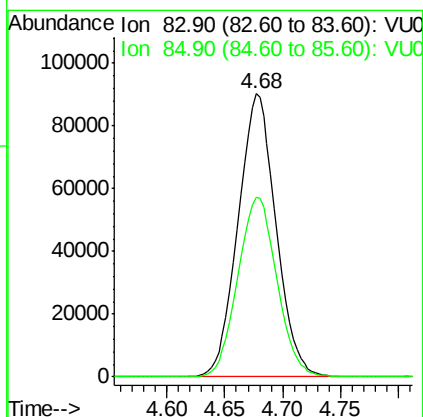
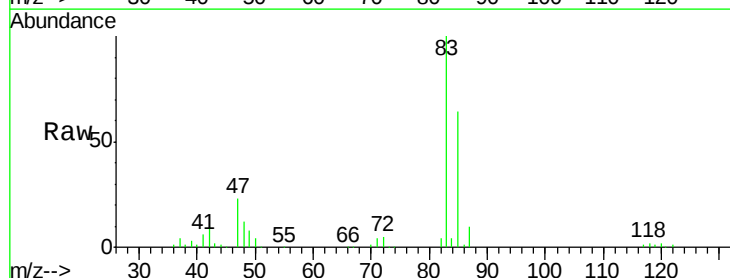
Manual Integrations
APPROVED

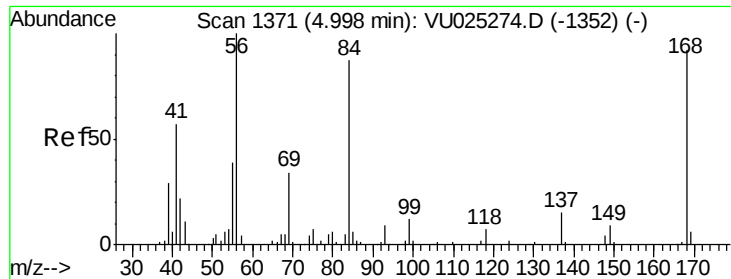
MMDadoda
7/12/2018 11:04:21 AM



#30
Chloroform
Concen: 53.97 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3





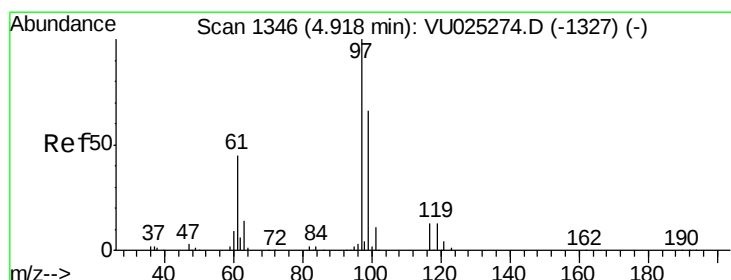
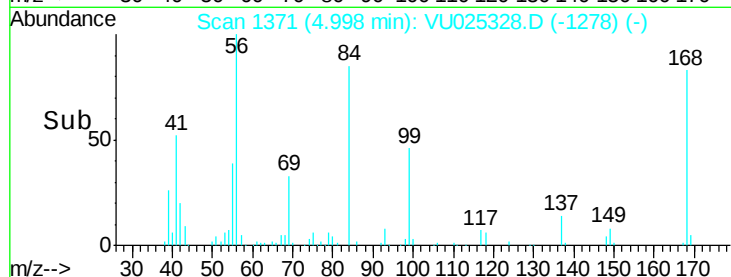
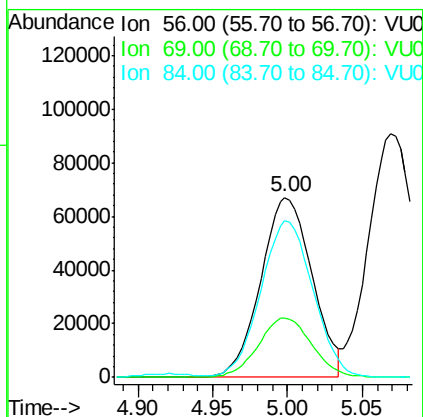
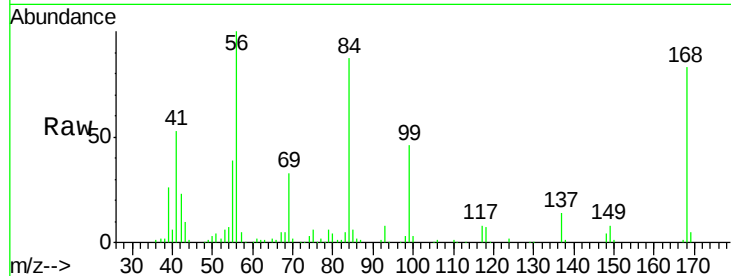
#31
Cyclohexane
Concen: 48.03 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion: 56 Resp: 159702
Ion Ratio Lower Upper
56 100
69 32.8 26.8 40.2
84 85.9 69.7 104.5

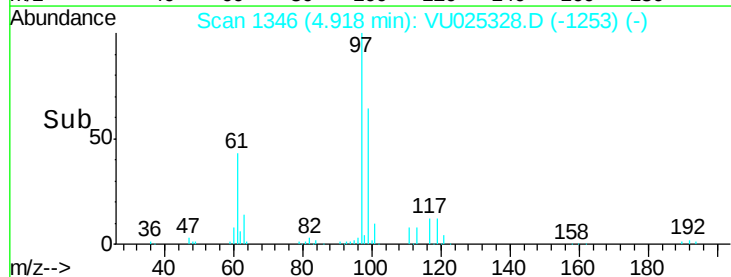
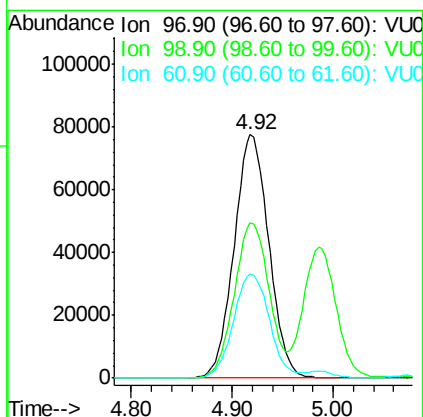
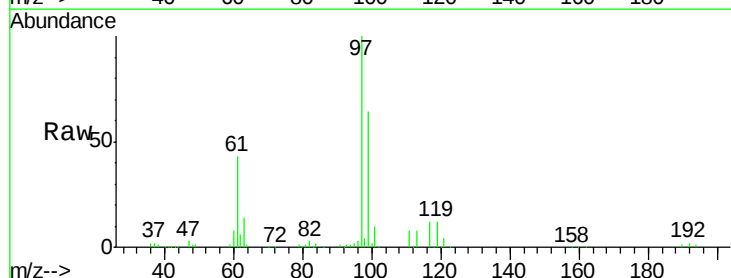
Manual Integrations
APPROVED

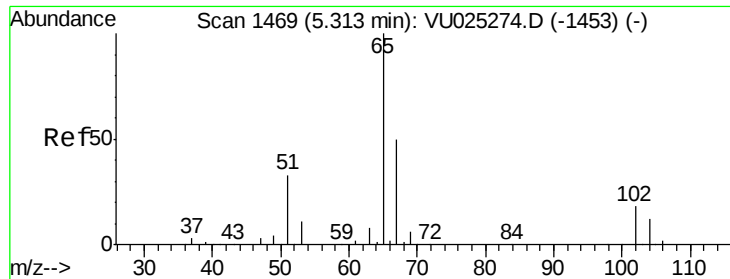
MMDadoda
7/12/2018 11:04:21 AM



#32
1,1,1-Trichloroethane
Concen: 53.70 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion: 97 Resp: 185033
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 44.3 35.2 52.8





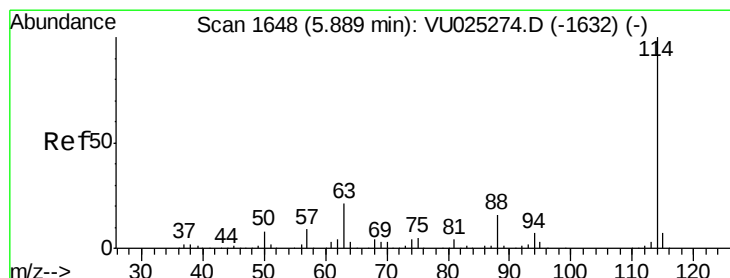
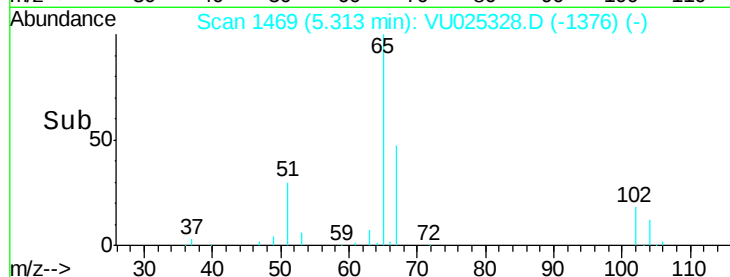
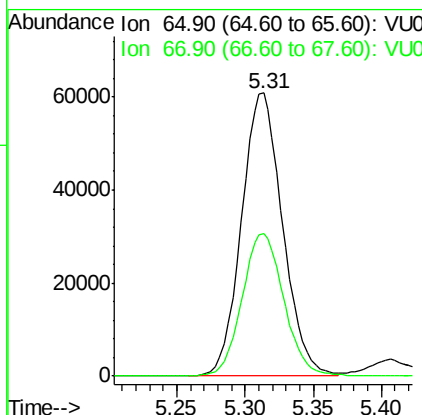
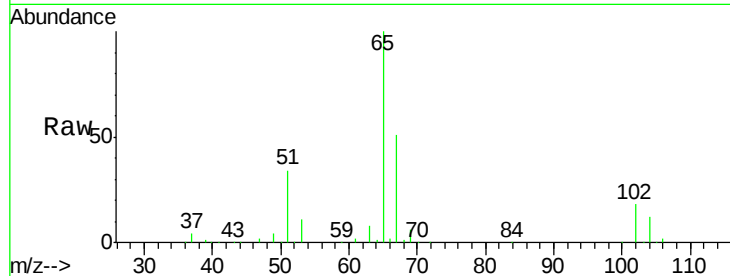
#33
 1,2-Dichloroethane-d4
 Concen: 48.25 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127110		
67	51.3	0.0	103.6	

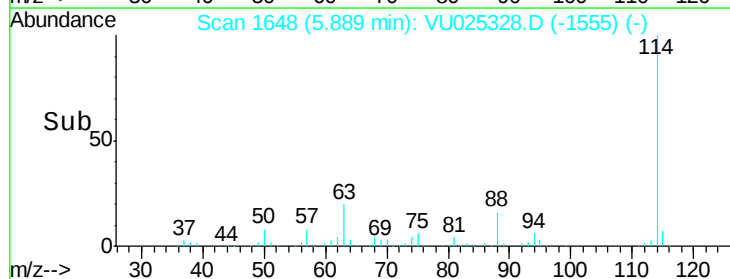
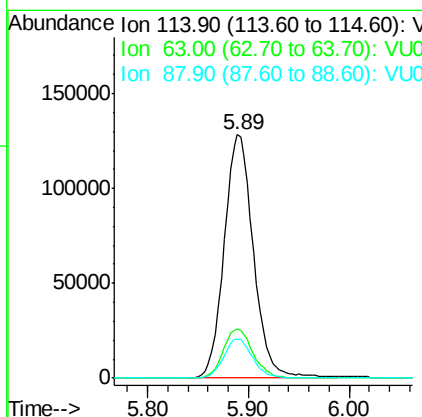
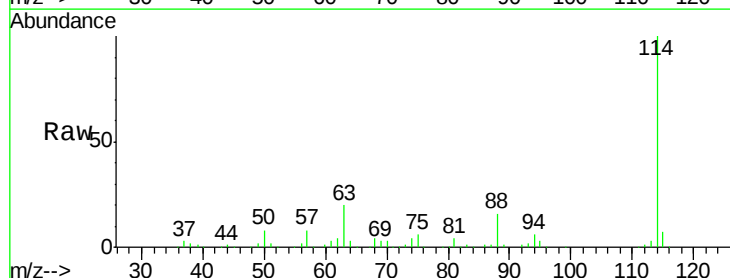
Manual Integrations
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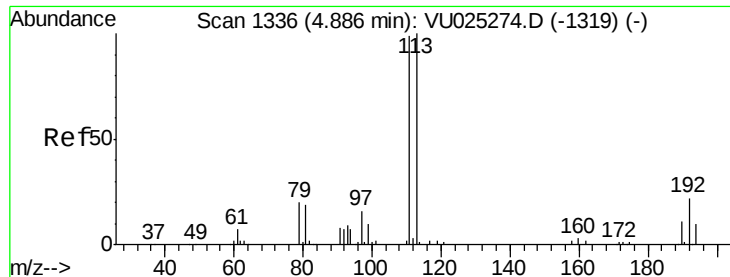
MMDadoda
 7/12/2018 11:04:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	260224		
63	20.1	0.0	41.6	
88	16.2	0.0	32.4	





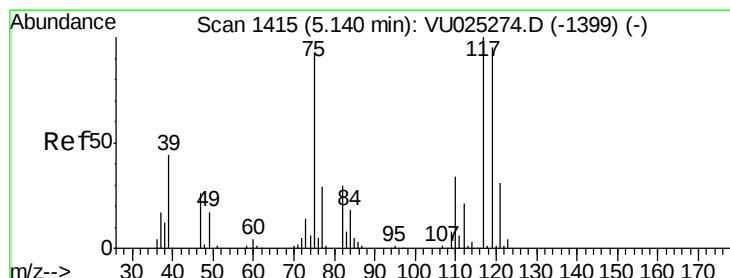
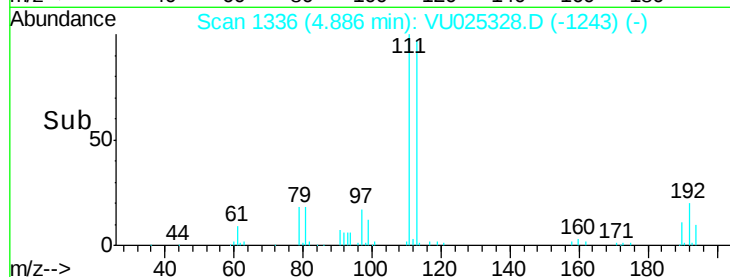
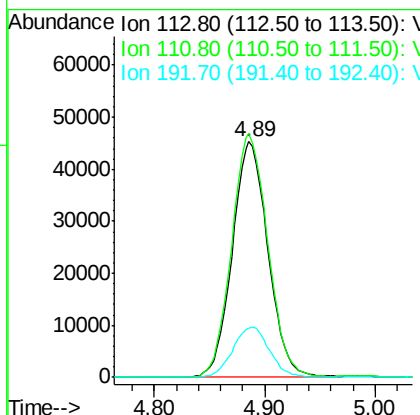
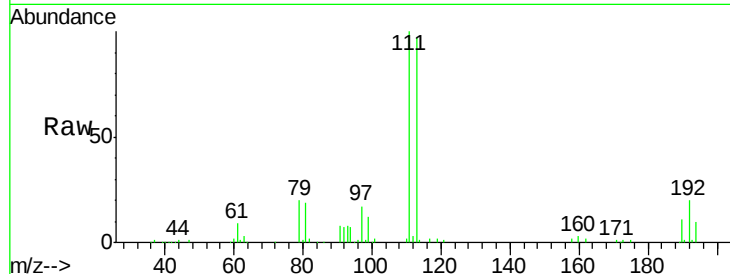
#35
 Dibromofluoromethane
 Concen: 46.30 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.1	81.7	122.5	
192	21.9	17.1	25.7	

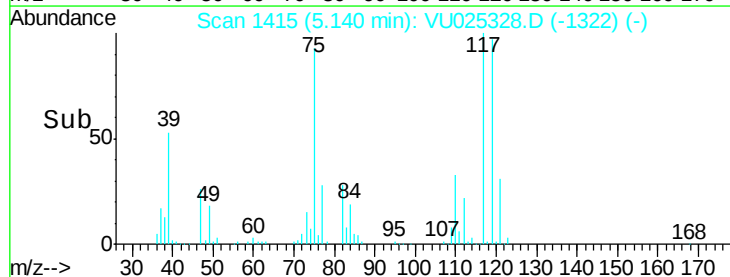
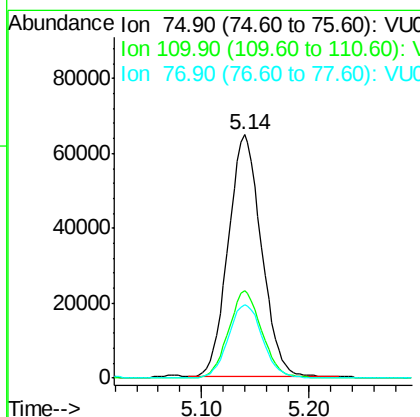
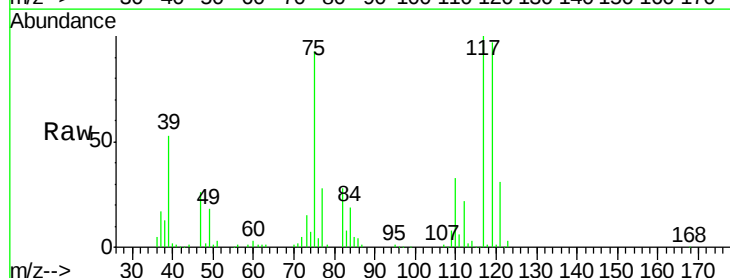
Manual Integrations
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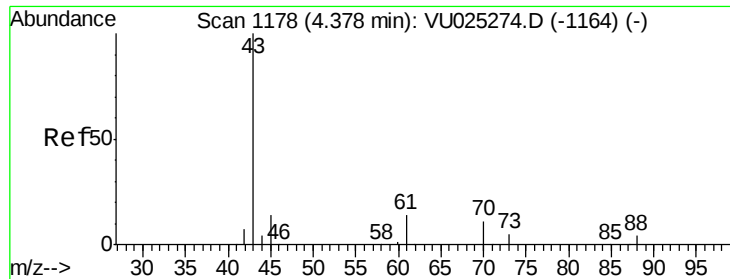
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 7/12/2018 11:04:21 AM



#36
 1,1-Dichloropropene
 Concen: 47.96 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	17.6	52.9	
77	31.0	24.4	36.6	





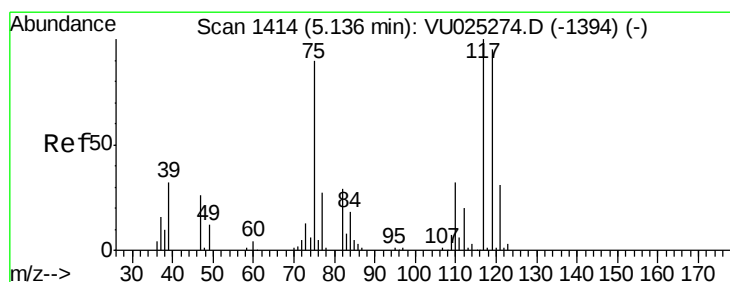
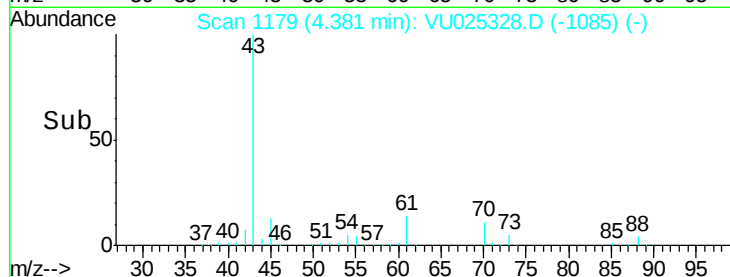
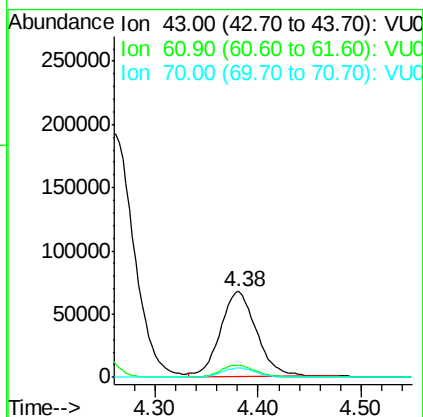
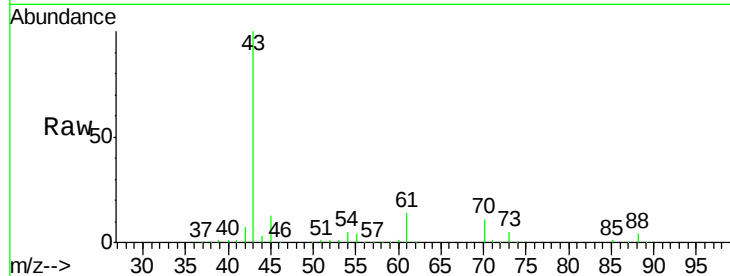
#37
Ethyl Acetate
Concen: 50.90 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.5	8.4	12.6

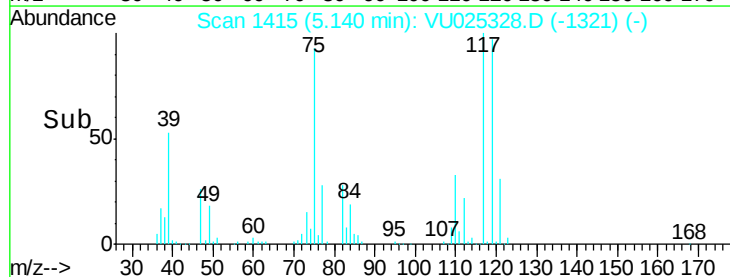
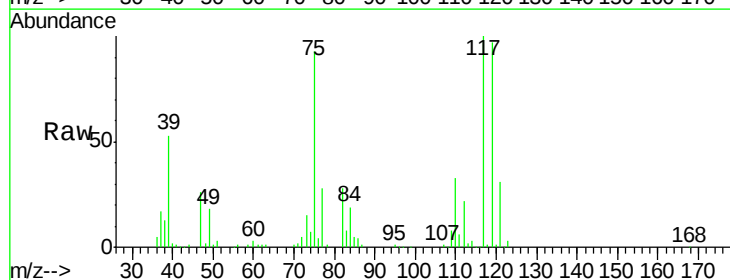
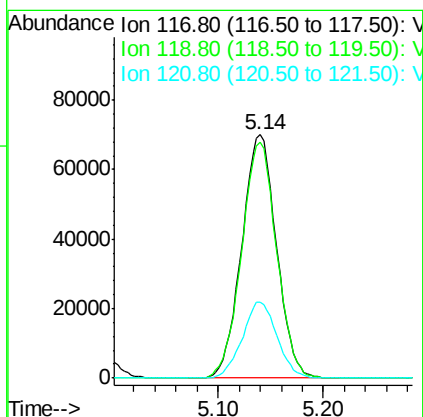
Manual Integrations
APPROVED

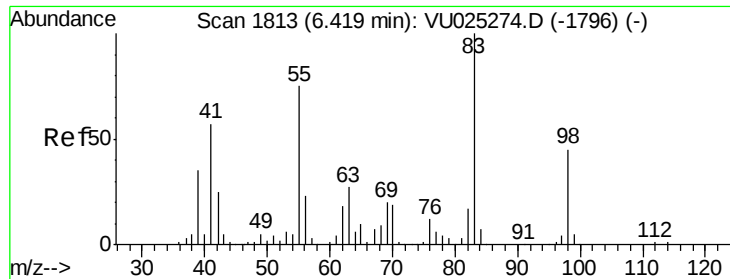
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.59 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	31.2	24.6	36.8





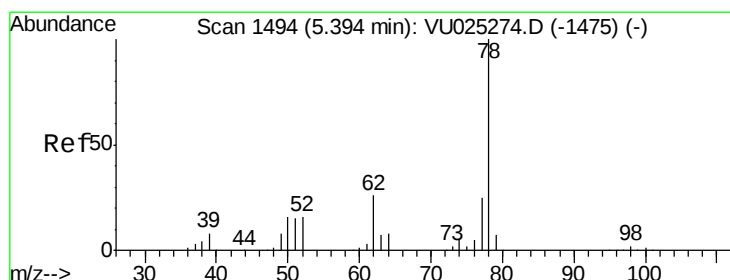
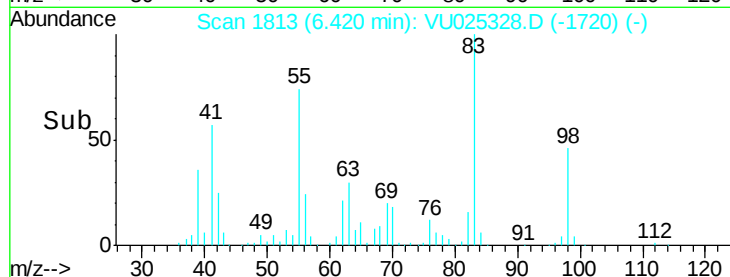
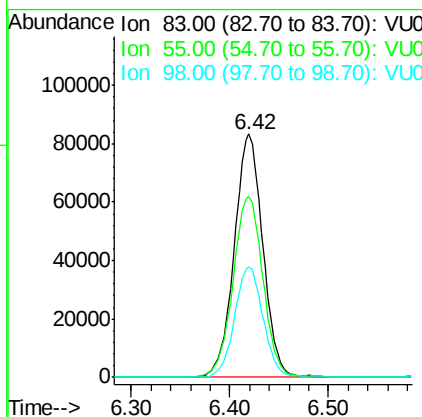
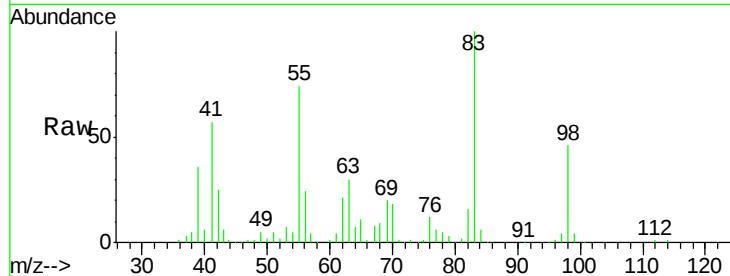
#39
Methvlcvclohexane
Concen: 46.49 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	83	Resp	167757
Ion Ratio	Lower	Upper	
83	100		
55	74.3	60.0	90.0
98	45.6	36.1	54.1

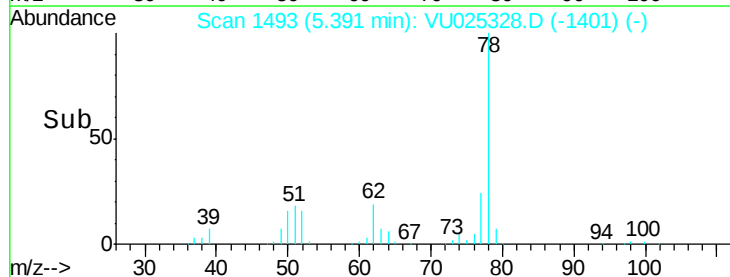
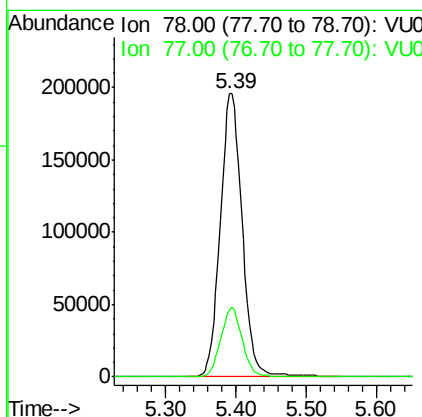
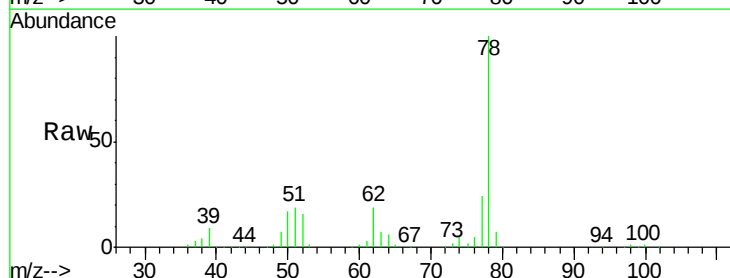
Manual Integrations
APPROVED

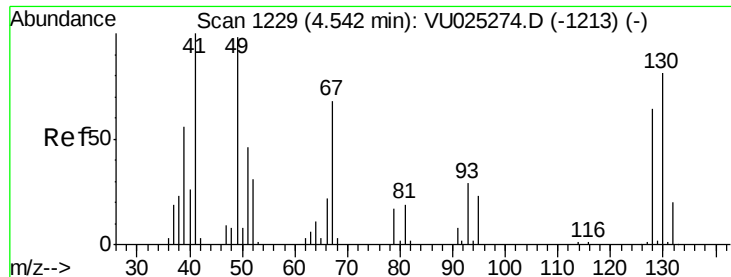
MMDadoda
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#40
Benzene
Concen: 50.96 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	78	Resp	424841
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.8	29.6





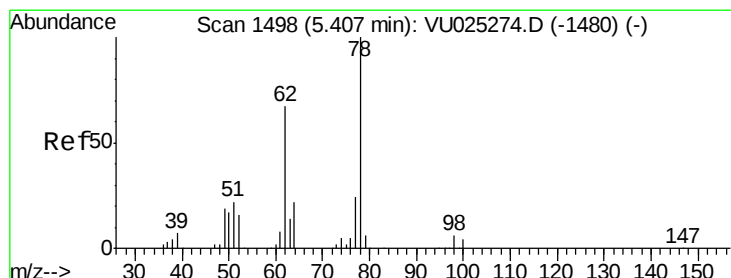
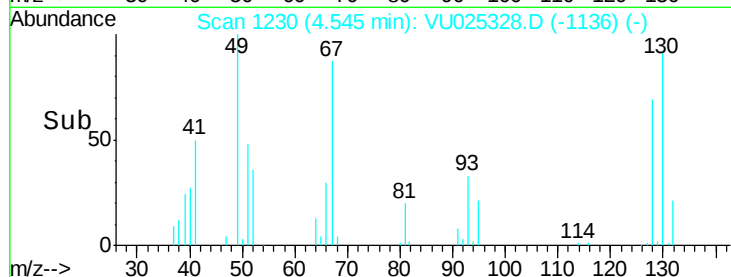
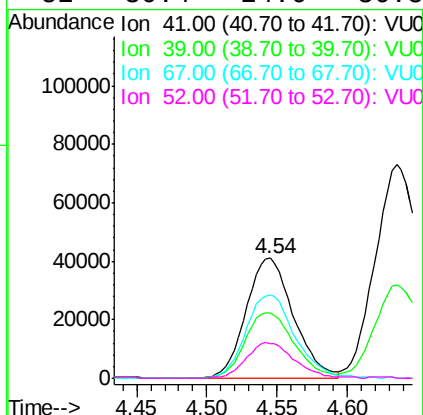
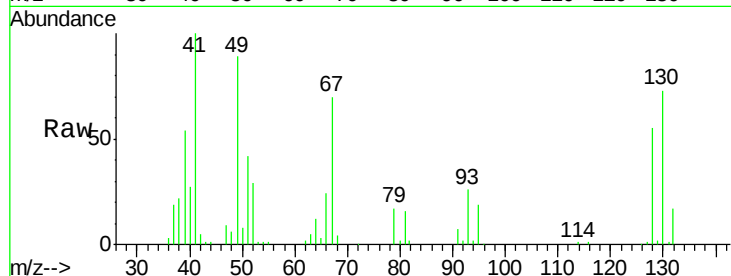
#41
Methacrylonitrile
Concen: 54.01 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.7	44.4	66.6	
67	72.2	56.0	84.0	
52	30.4	24.6	36.8	

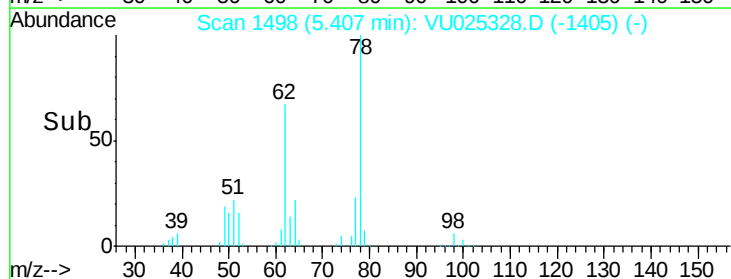
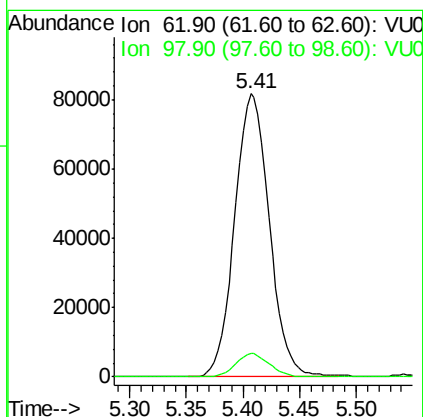
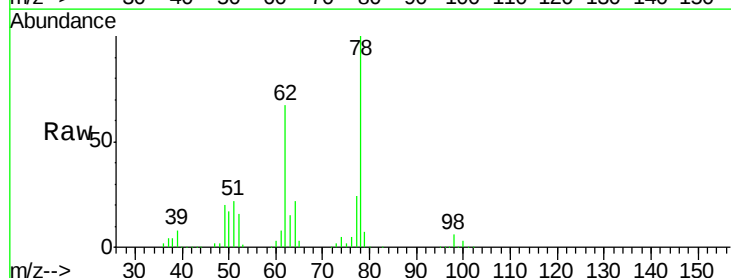
Manual Integrations
APPROVED

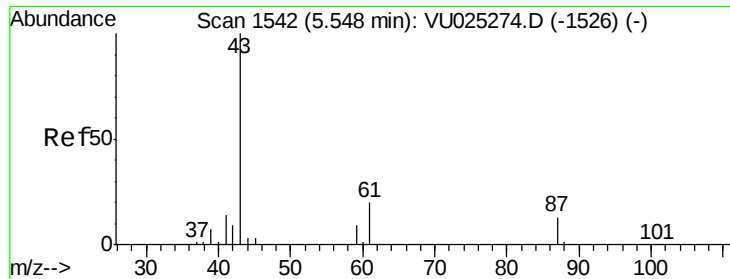
MMDadoda
7/12/2018 11:04:21 AM



#42
1,2-Dichloroethane
Concen: 52.69 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.4	





#43

Isopropyl Acetate

Concen: 53.95 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

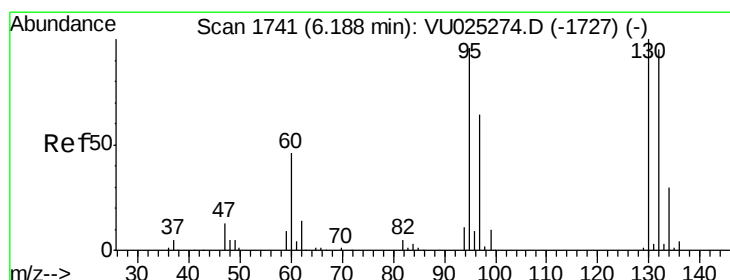
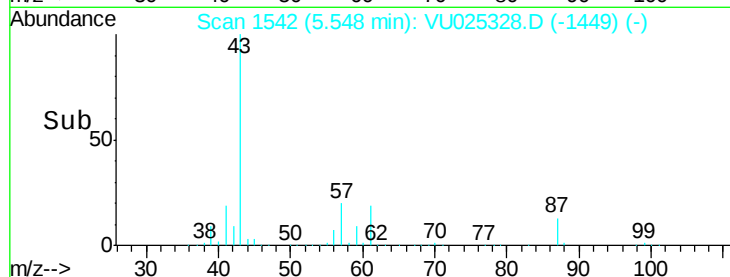
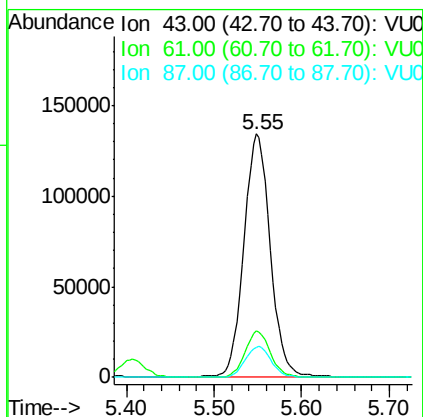
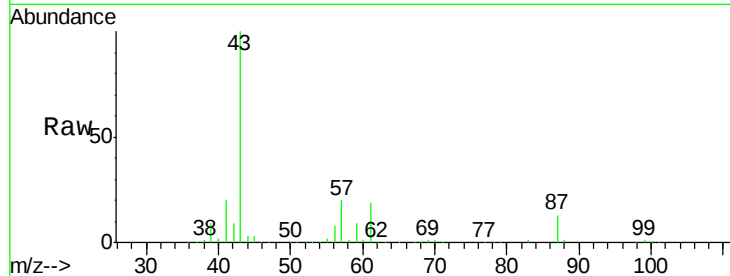
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	43	Resp:	278728
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.5	23.3
87	12.7	10.6	16.0

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#44

Trichloroethene

Concen: 47.97 ug/l

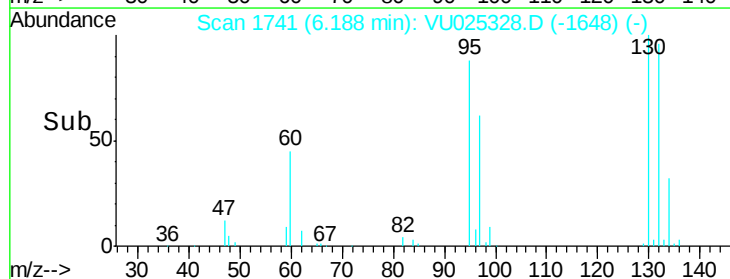
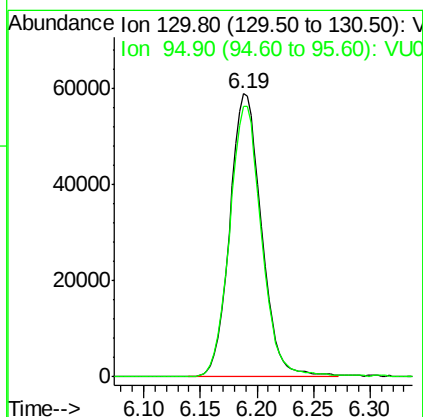
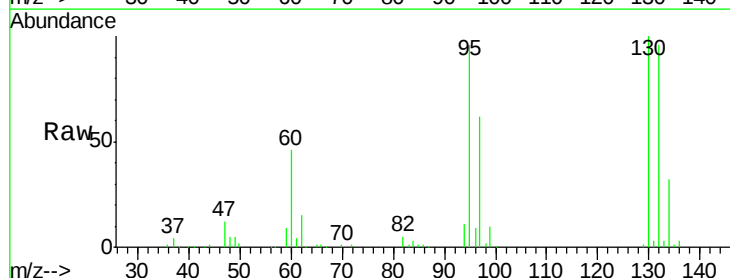
RT: 6.19 min Scan# 1741

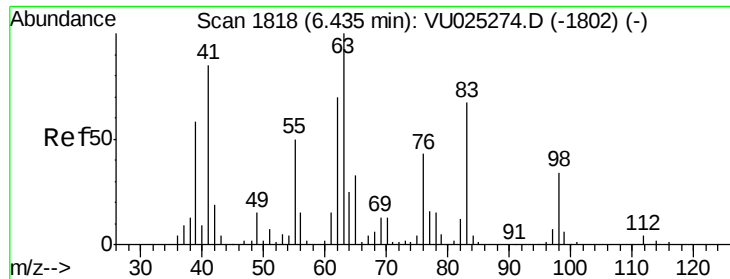
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	130	Resp:	114834
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	192.2





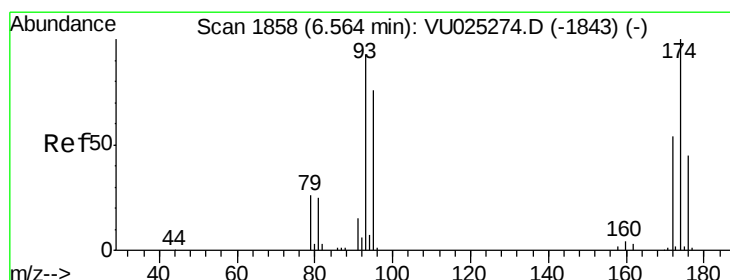
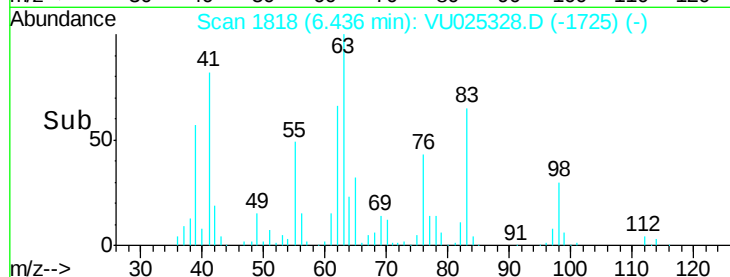
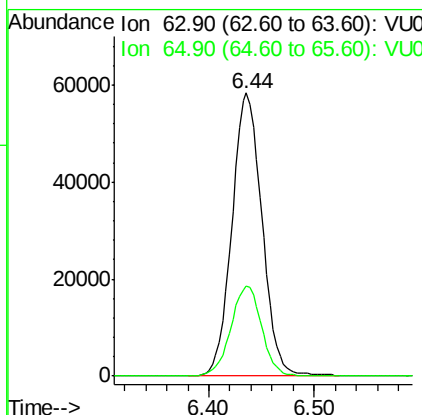
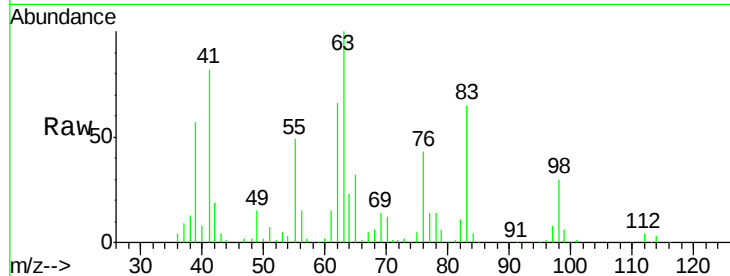
#45
 1,2-Dichloropropane
 Concen: 52.79 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion: 63 Resp: 115263
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.1 39.1

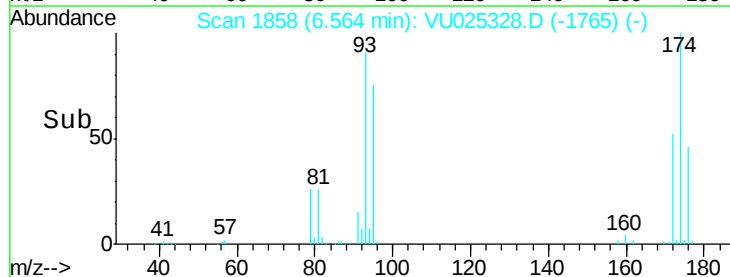
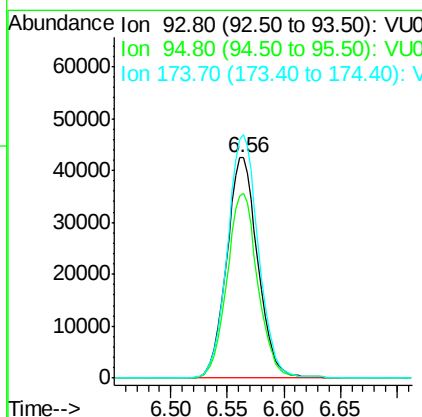
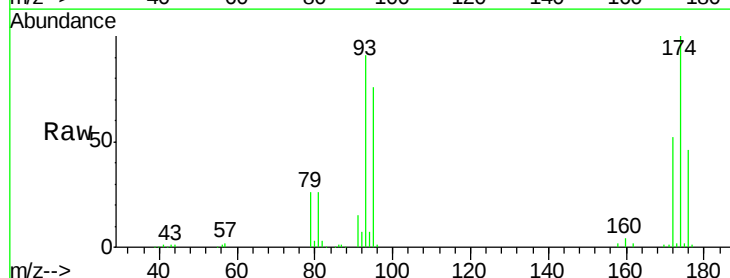
Manual Integrations
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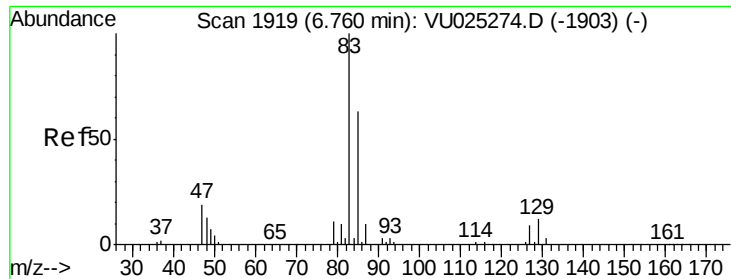
MMDadoda
 7/12/2018 11:04:21 AM



#46
 Dibromomethane
 Concen: 51.21 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion: 93 Resp: 81381
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 109.3 85.8 128.8





#47

Bromodichloromethane

Concen: 52.93 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

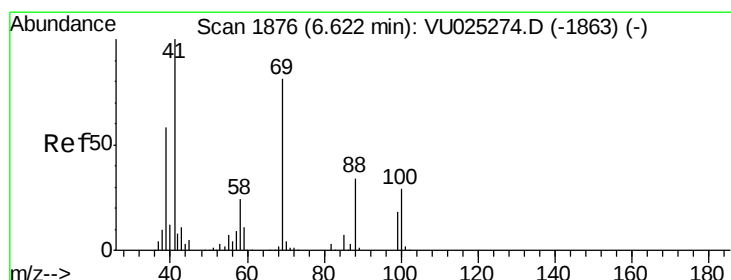
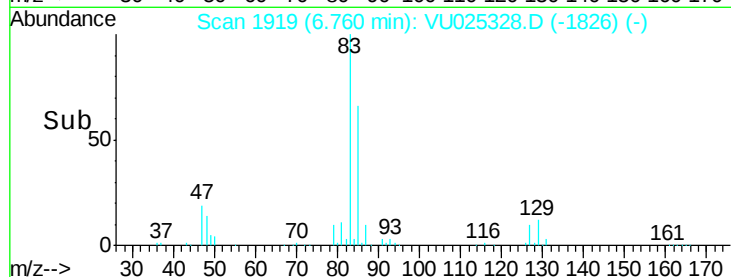
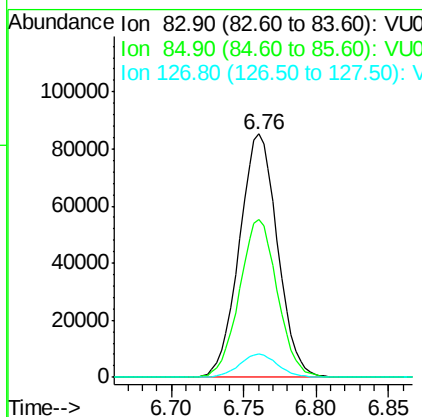
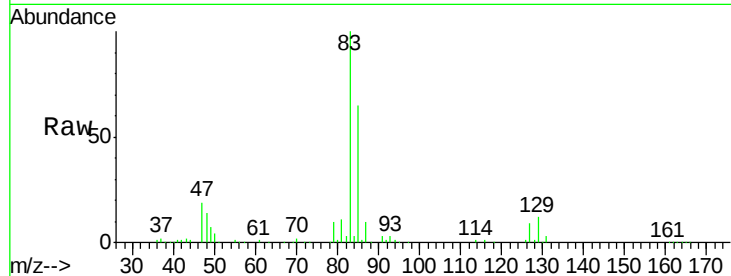
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	83	Resp:	156237
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.98 ug/l

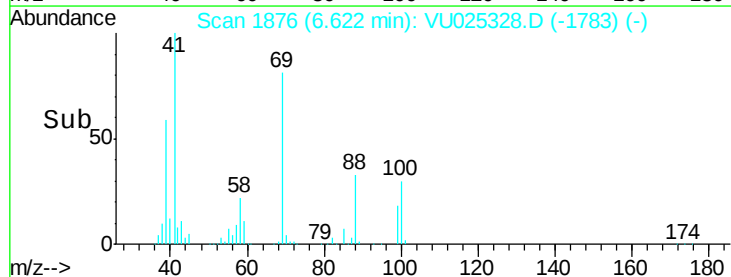
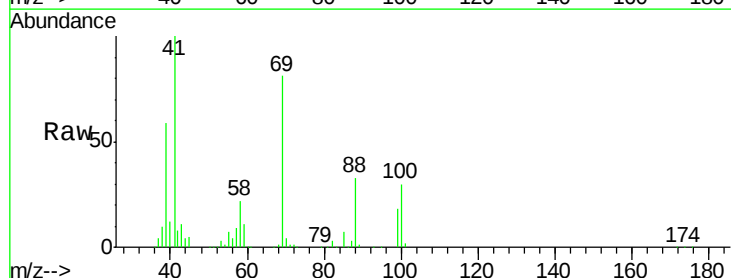
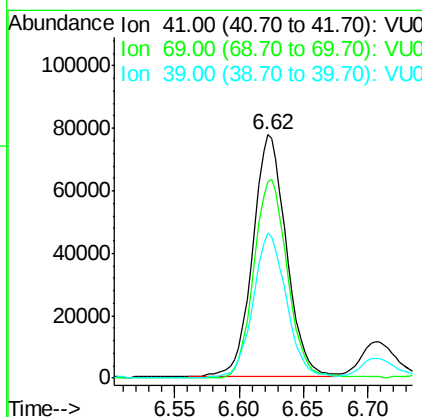
RT: 6.62 min Scan# 1876

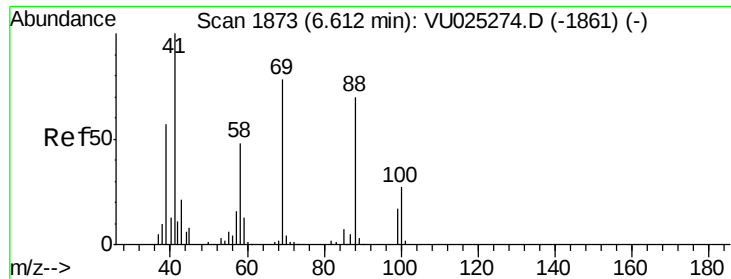
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	41	Resp:	141623
Ion Ratio	Lower	Upper	
41	100		
69	82.0	65.0	97.4
39	59.0	46.4	69.6





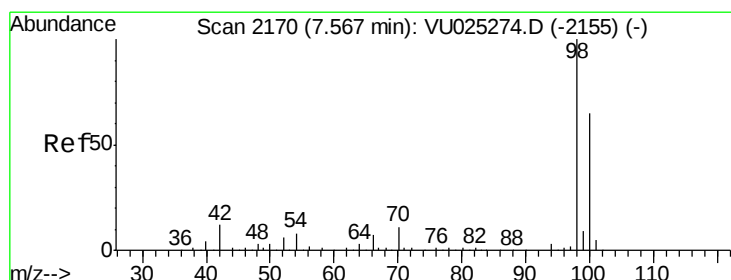
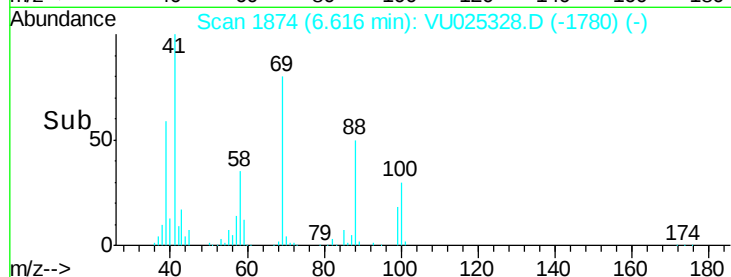
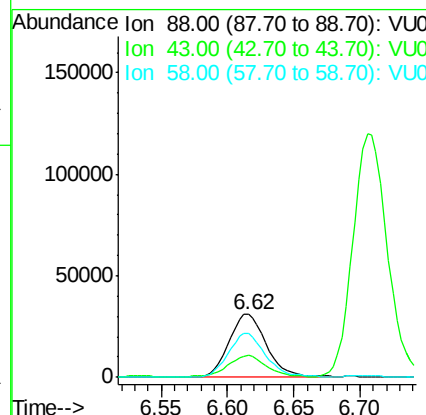
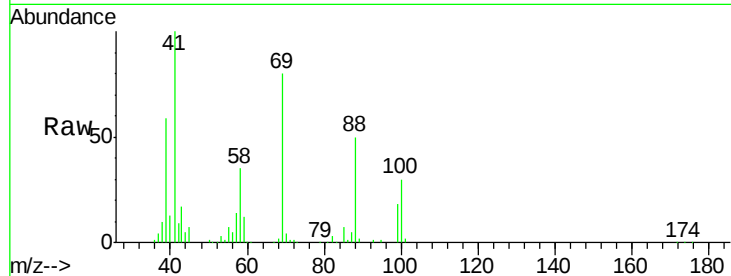
#49
1,4-Dioxane
Concen: 974.73 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	27.3	40.9
58	71.4	57.6	86.4

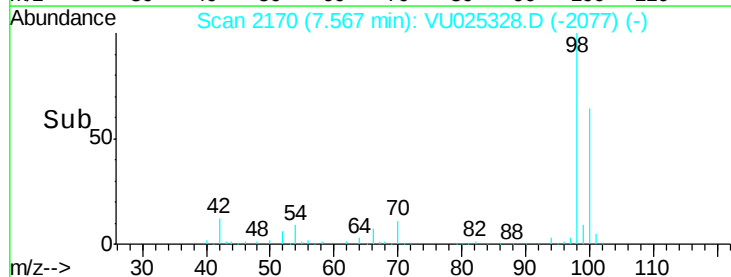
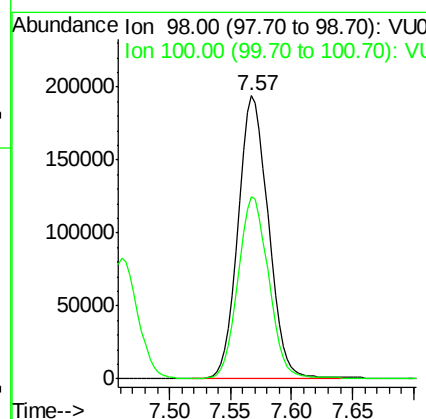
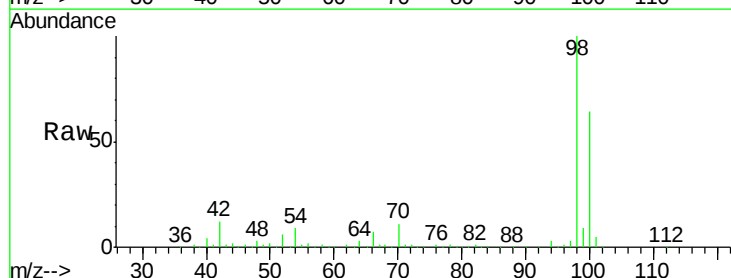
Manual Integrations
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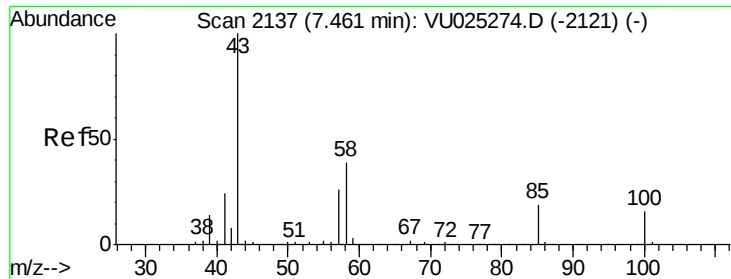
MMDadoda
7/12/2018 11:04:21 AM



#50
Toluene-d8
Concen: 44.65 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 271.55 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 43 Resp: 911882

Ion Ratio Lower Upper

43 100

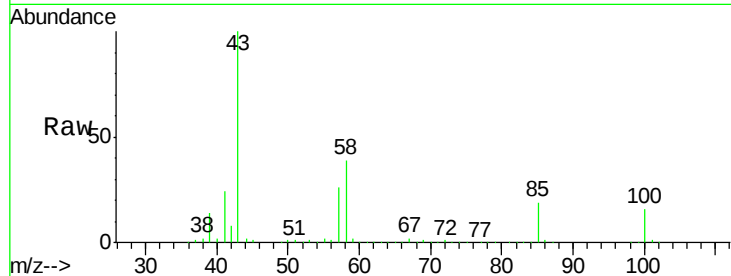
58 38.4 31.0 46.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

500000

400000

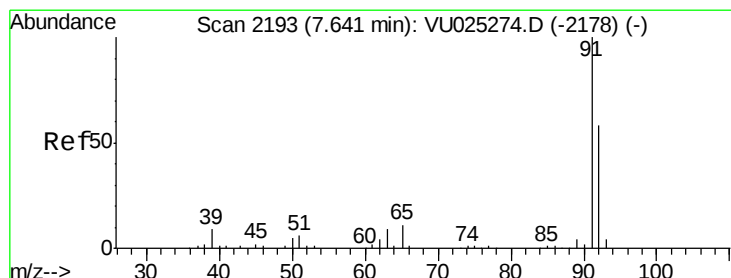
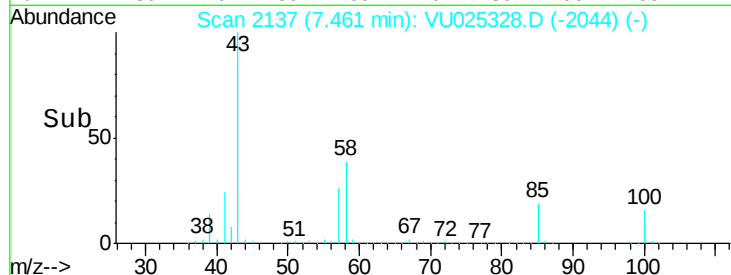
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.69 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025328.D

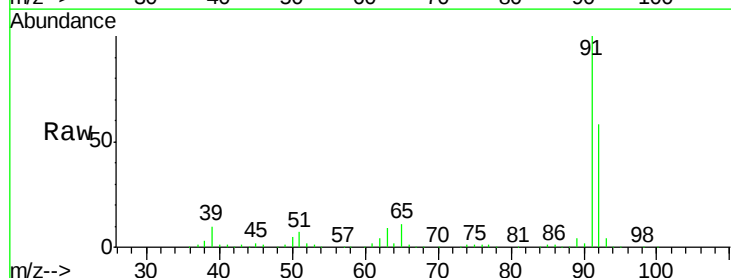
Acq: 11 Jul 2018 20:45

Tgt Ion: 92 Resp: 274192

Ion Ratio Lower Upper

92 100

91 172.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

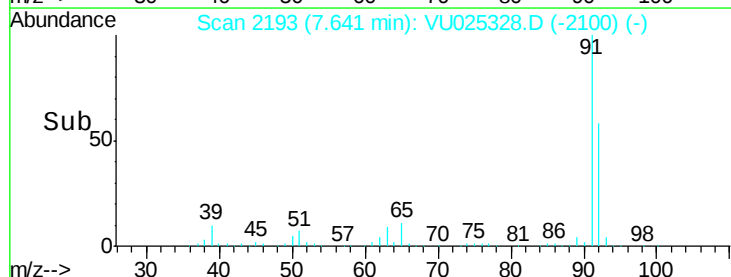
150000

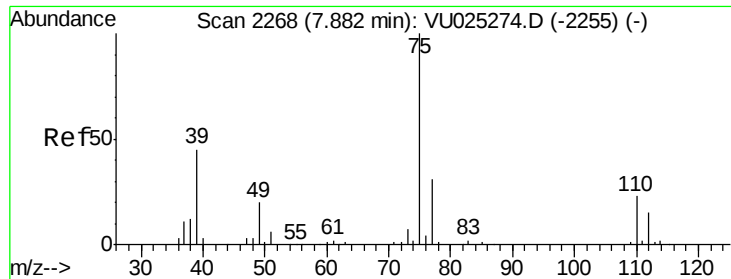
100000

50000

0

Time-->





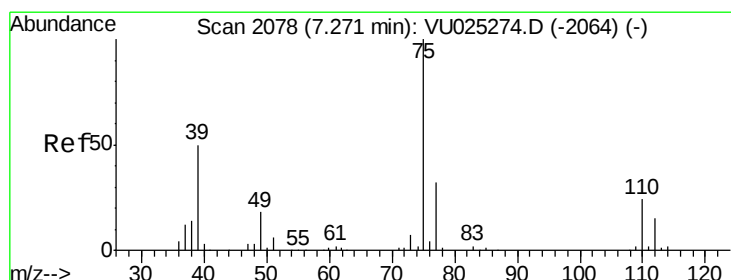
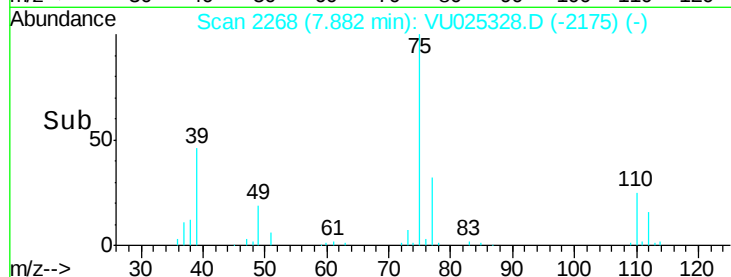
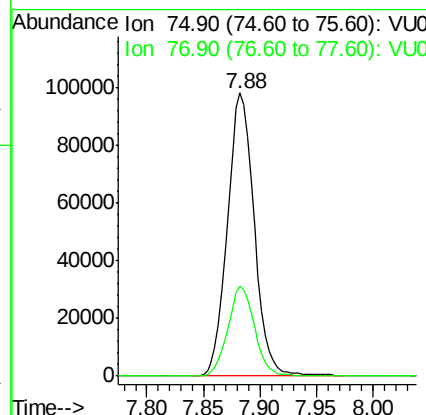
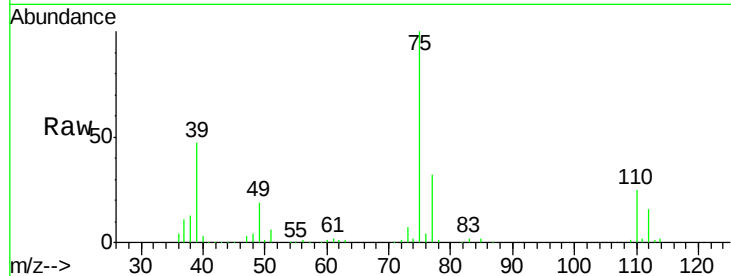
#53
t-1,3-Dichloropropene
Concen: 50.03 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion: 75 Resp: 162266
Ion Ratio Lower Upper
75 100
77 31.8 24.5 36.7

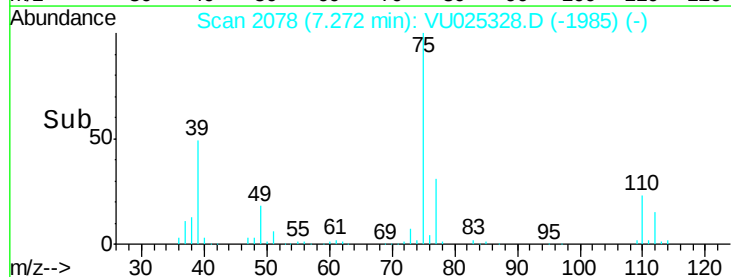
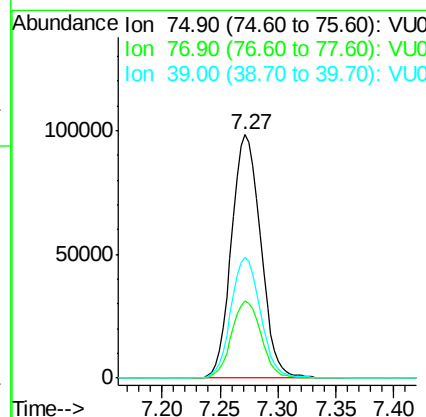
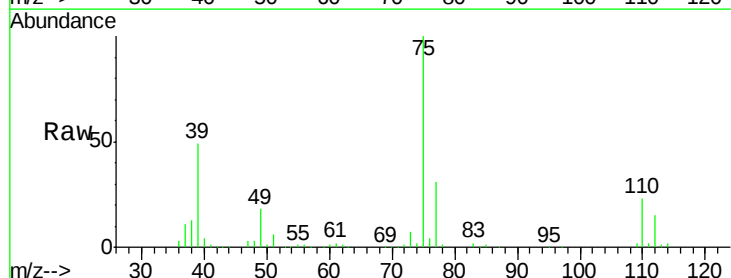
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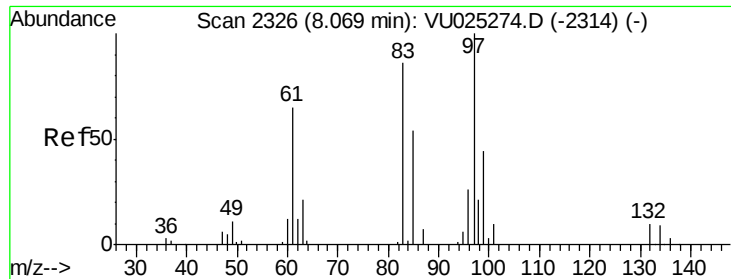
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.94 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion: 75 Resp: 172386
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
39 49.5 40.0 60.0





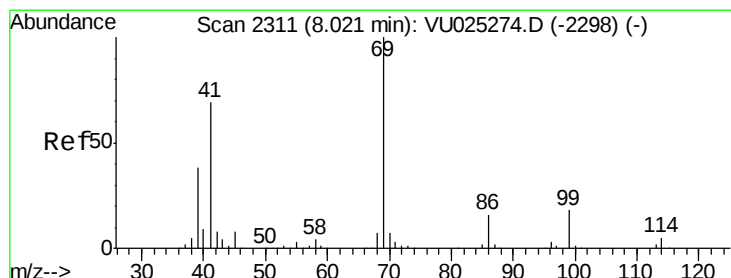
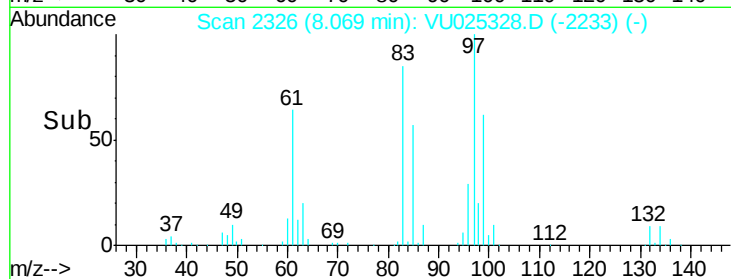
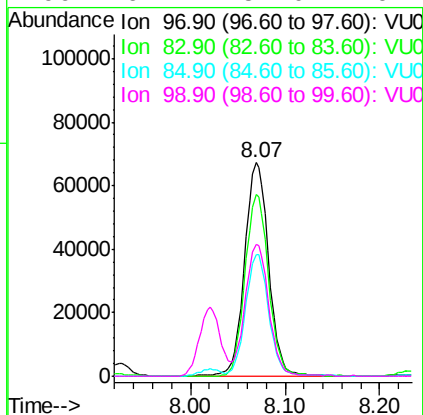
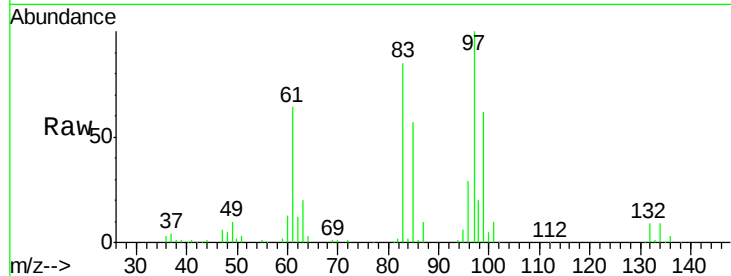
#55
 1,1,2-Trichloroethane
 Concen: 53.92 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion:	97	Resp:	119107
Ion Ratio	Lower	Upper	
97	100		
83	85.0	68.9	103.3
85	56.9	44.4	66.6
99	61.7	51.0	76.4

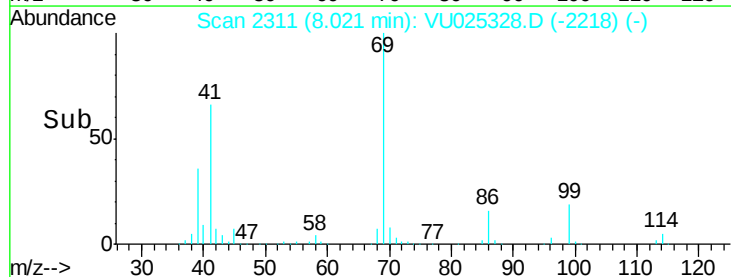
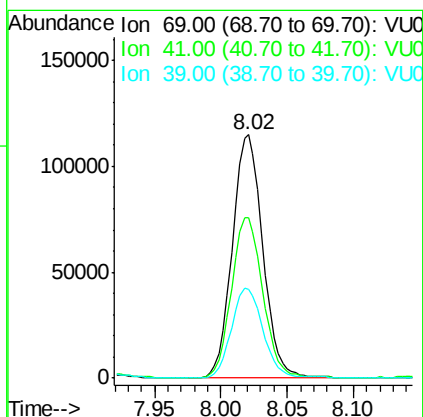
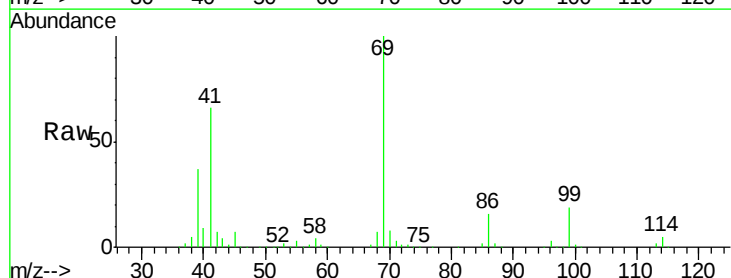
Manual Integrations
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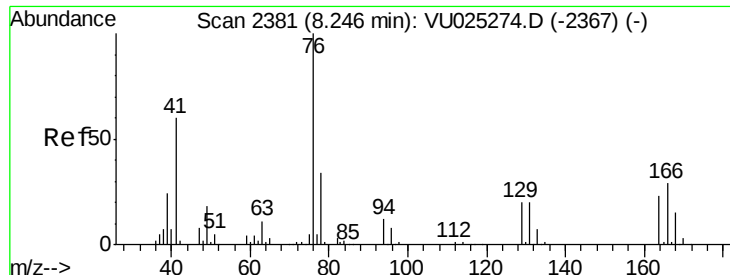
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#56
 Ethyl methacrylate
 Concen: 53.26 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion:	69	Resp:	183768
Ion Ratio	Lower	Upper	
69	100		
41	67.7	54.8	82.2
39	37.9	31.1	46.7





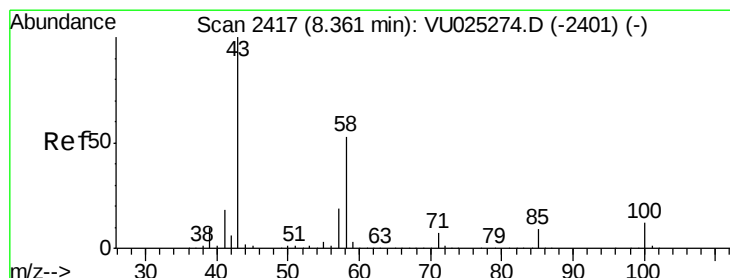
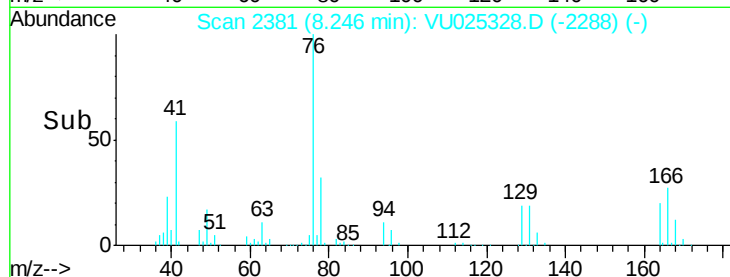
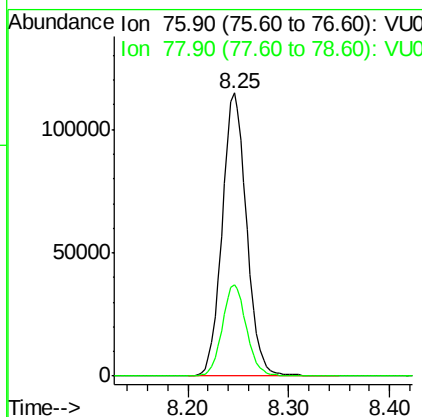
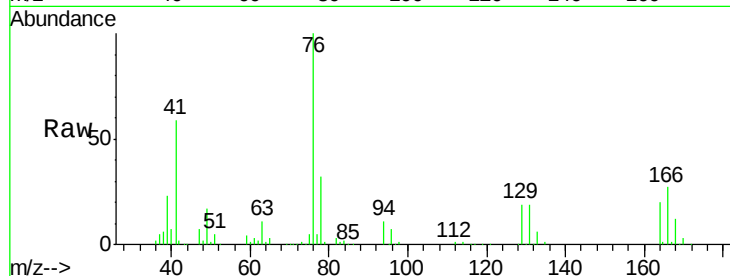
#57
 1,3-Dichloropropane
 Concen: 53.04 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion: 76 Resp: 194493
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

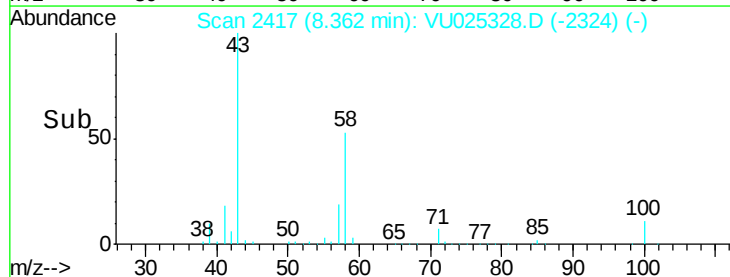
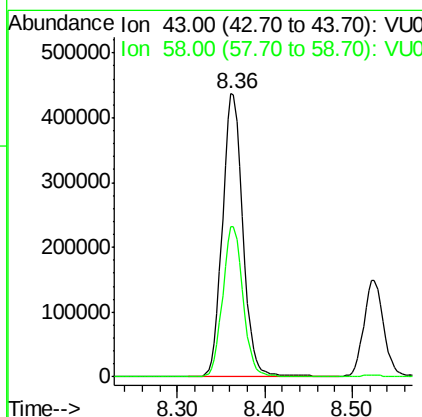
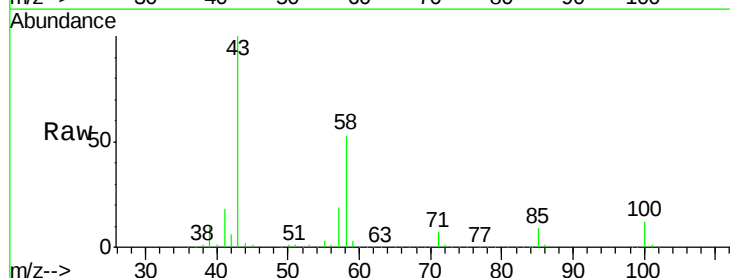
Manual Integrations
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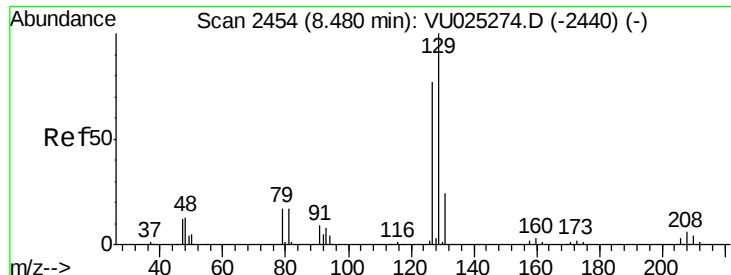
MMDadoda
 7/12/2018 11:04:21 AM



#59
 2-Hexanone
 Concen: 259.72 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion: 43 Resp: 707433
 Ion Ratio Lower Upper
 43 100
 58 53.3 26.2 78.5





#60

Dibromochloromethane

Concen: 54.37 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion:129 Resp: 129721

Ion Ratio Lower Upper

129 100

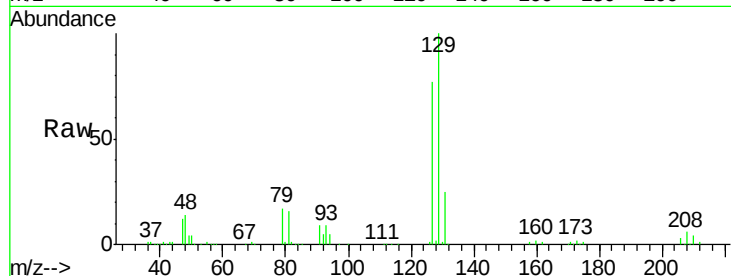
127 78.1 38.6 115.8

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

80000

60000

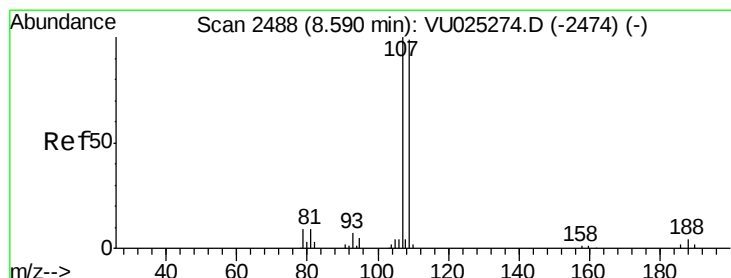
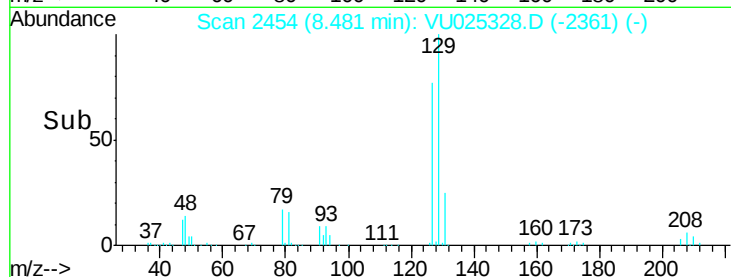
40000

20000

0

8.40 8.45 8.50 8.55

Time-->



#61

1,2-Dibromoethane

Concen: 54.06 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025328.D

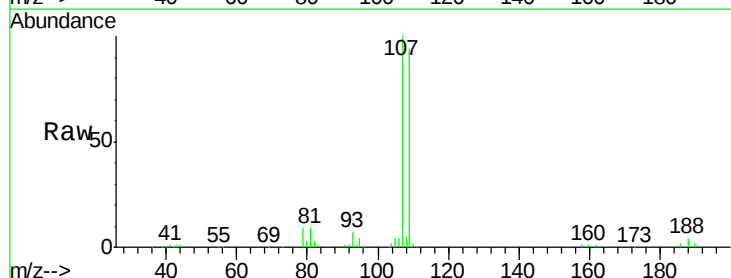
Acq: 11 Jul 2018 20:45

Tgt Ion:107 Resp: 127784

Ion Ratio Lower Upper

107 100

109 93.9 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

60000

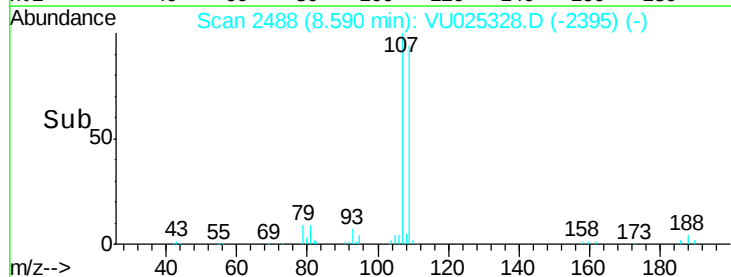
40000

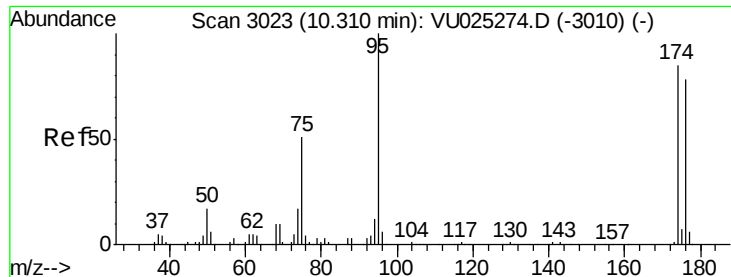
20000

0

8.50 8.60 8.70

Time-->





#62

4-Bromofluorobenzene

Concen: 46.08 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

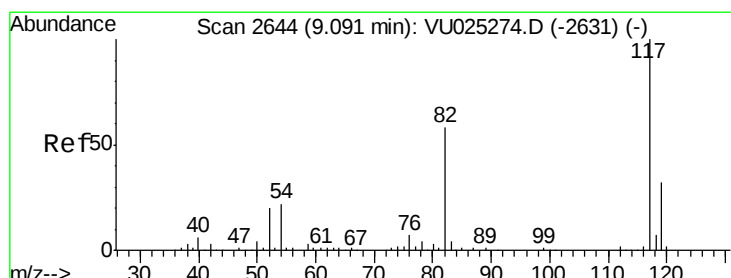
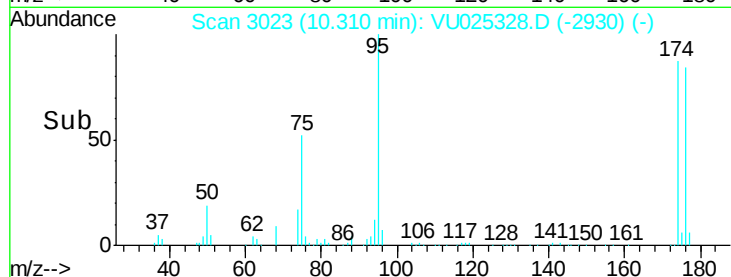
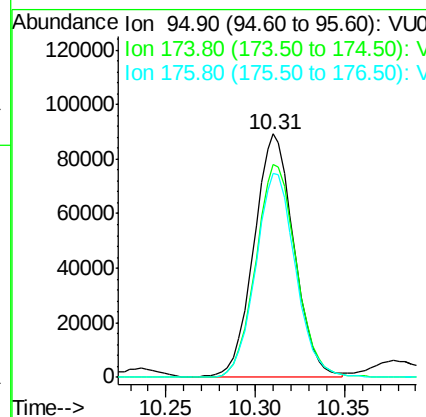
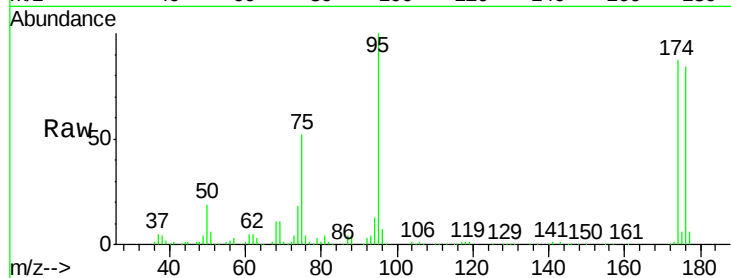
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	95	Resp:	139460
Ion Ratio	Lower	Upper	
95	100		
174	88.8	0.0	172.2
176	84.1	0.0	162.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

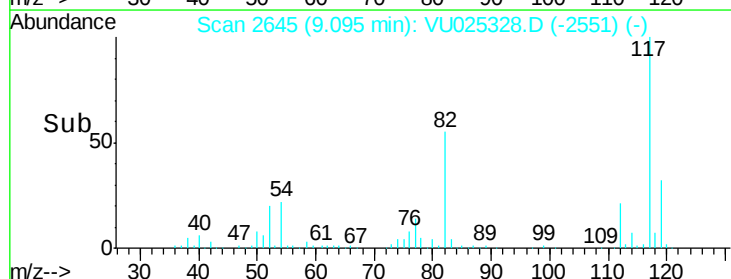
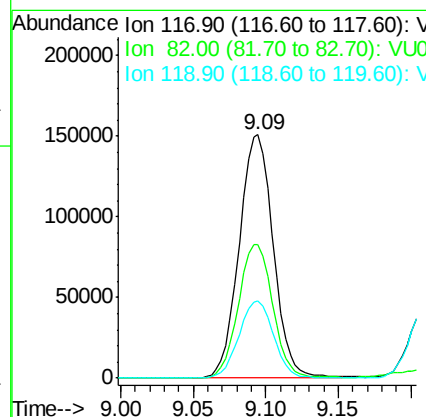
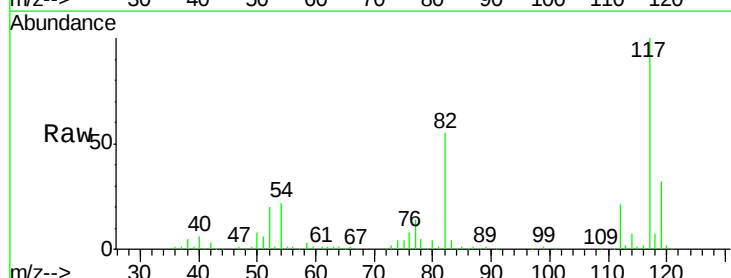
RT: 9.09 min Scan# 2645

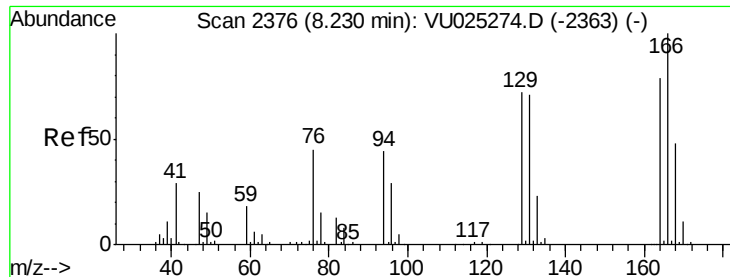
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	117	Resp:	247008
Ion Ratio	Lower	Upper	
117	100		
82	54.7	46.0	69.0
119	31.9	26.0	39.0





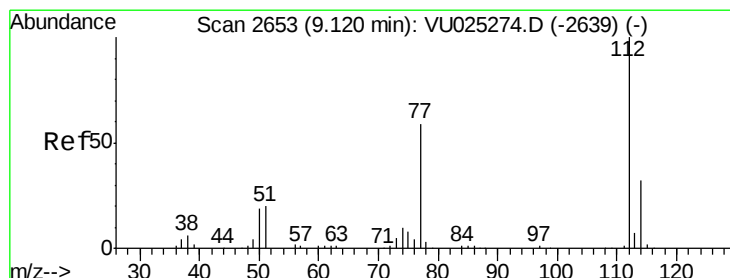
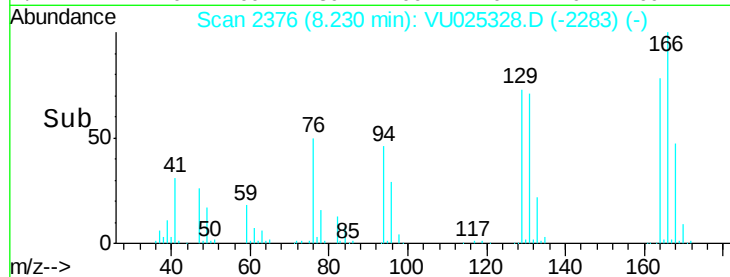
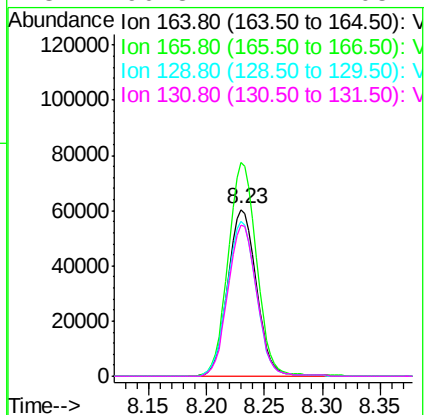
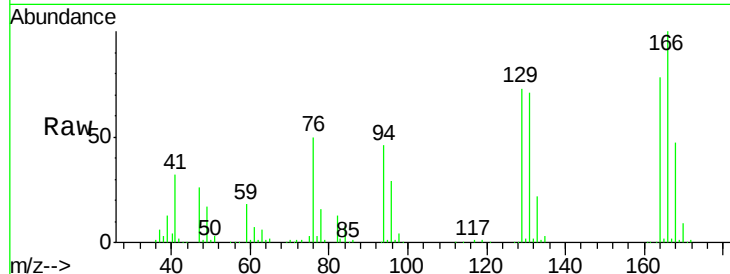
#64
Tetrachloroethene
Concen: 45.79 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.1	151.7
129	92.9	73.0	109.6
131	90.8	72.1	108.1

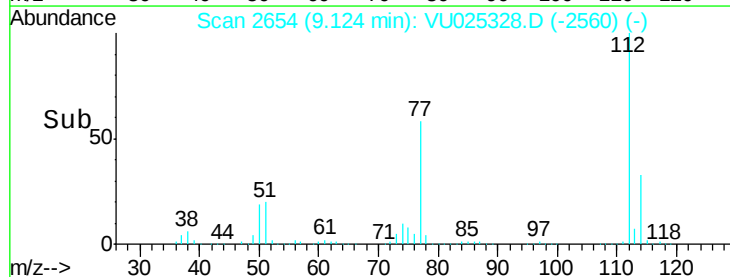
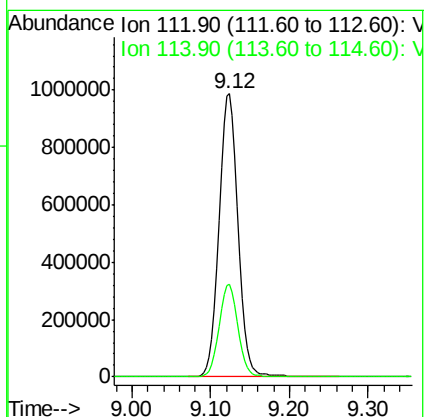
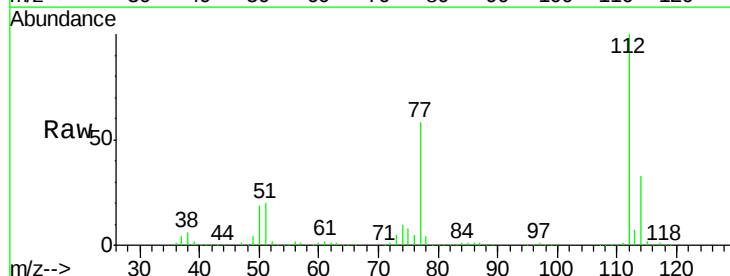
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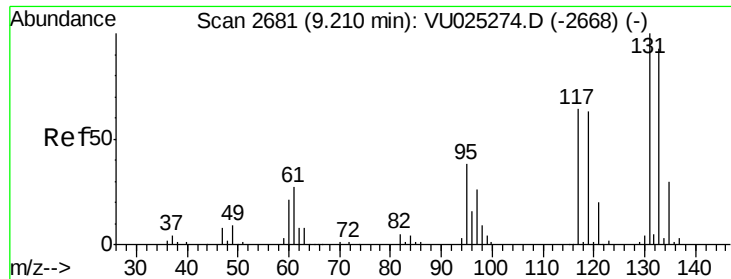
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#65
Chlorobenzene
Concen: 265.13 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.8





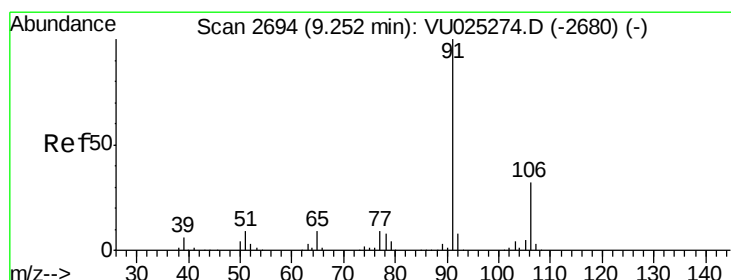
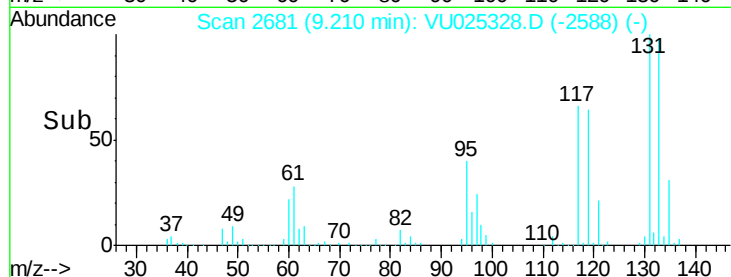
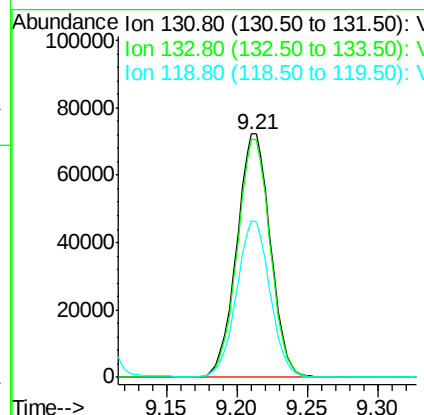
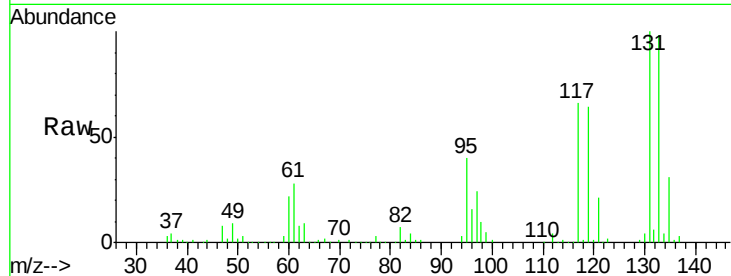
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.80 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.3
119	63.7	31.6	95.0

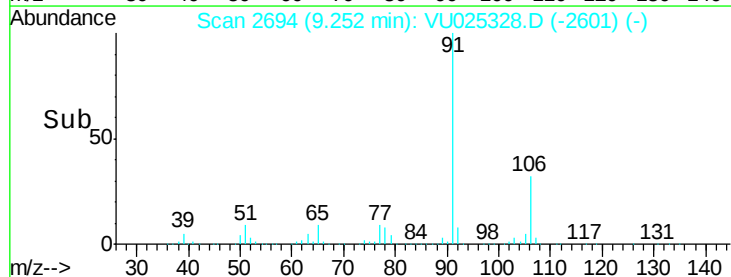
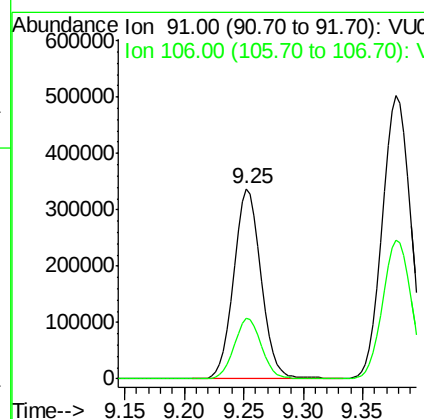
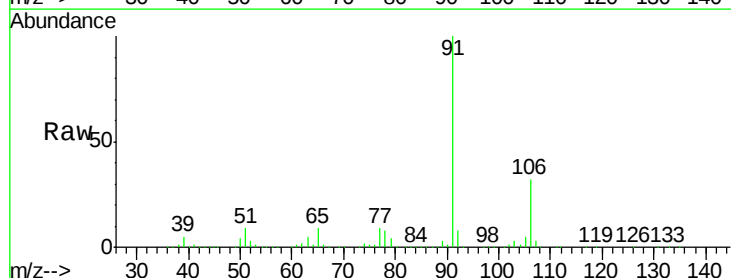
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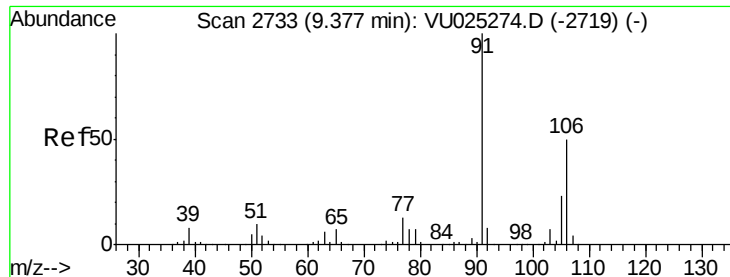
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#67
 Ethyl Benzene
 Concen: 51.33 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9





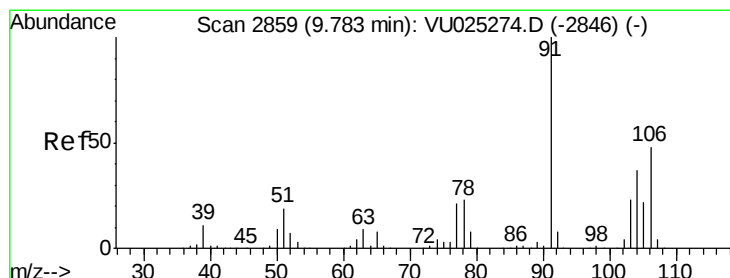
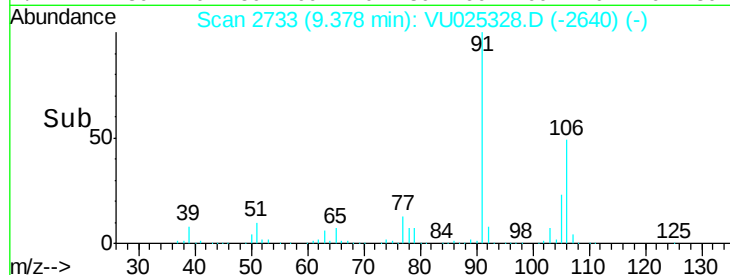
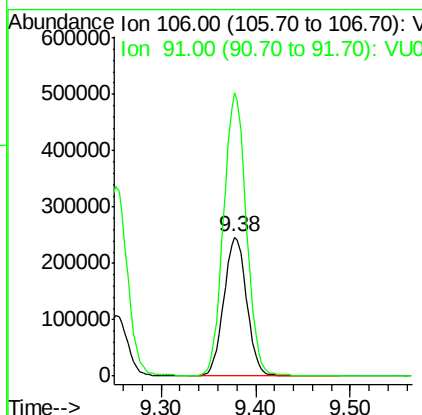
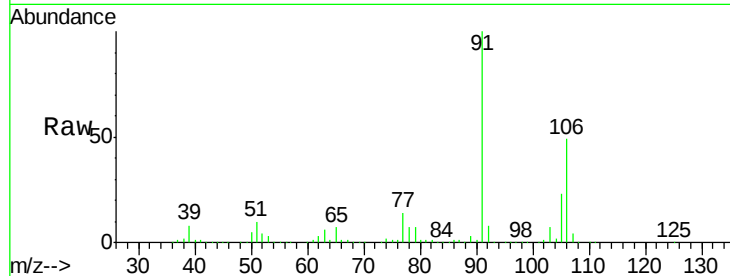
#68
m/p-Xylenes
Concen: 102.05 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion:106 Resp: 415035
Ion Ratio Lower Upper
106 100
91 203.4 162.3 243.5

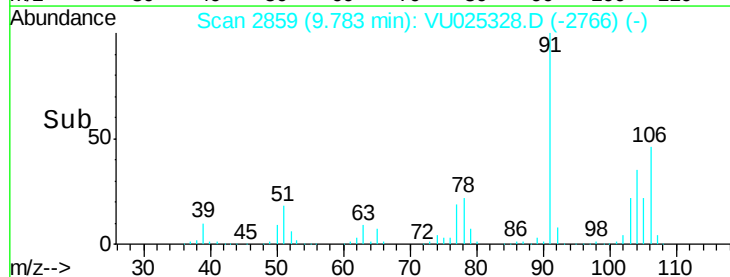
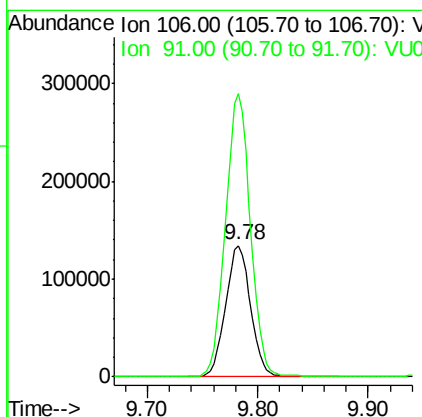
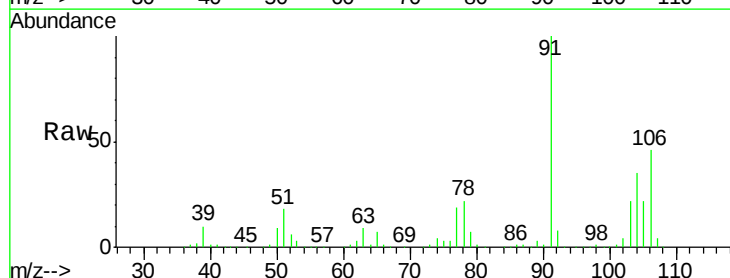
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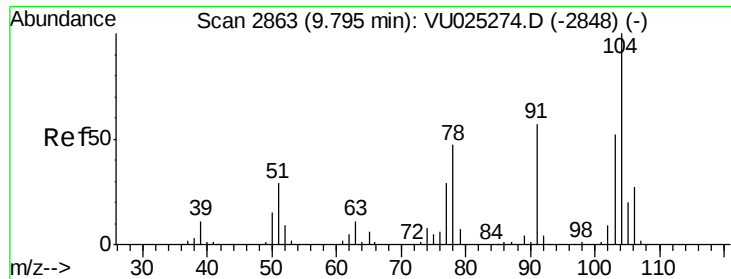
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#69
o-Xylene
Concen: 51.70 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion:106 Resp: 210502
Ion Ratio Lower Upper
106 100
91 216.0 105.3 315.8





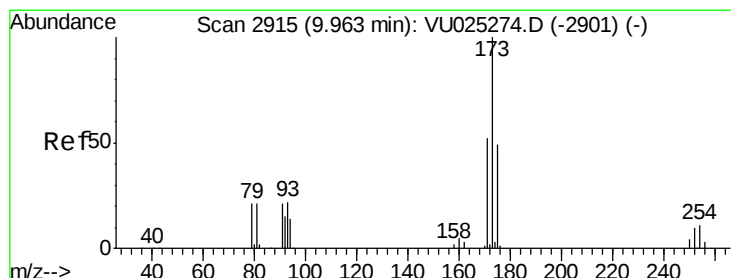
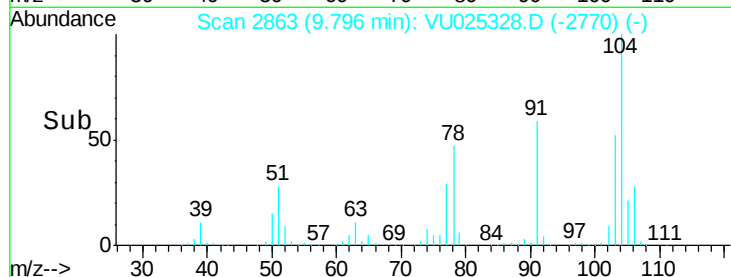
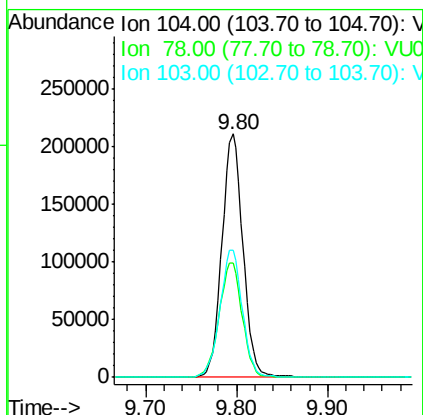
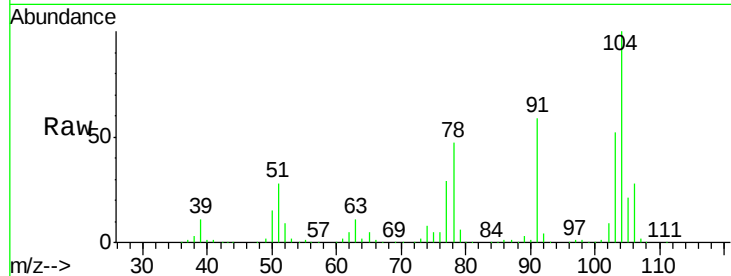
#70
Stvrene
Concen: 52.54 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	339792		
78	51.3	41.6	62.4	
103	55.5	44.6	66.8	

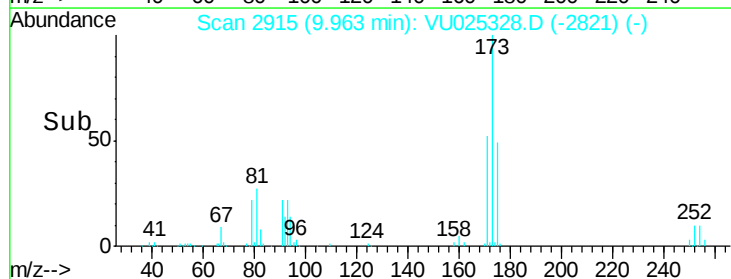
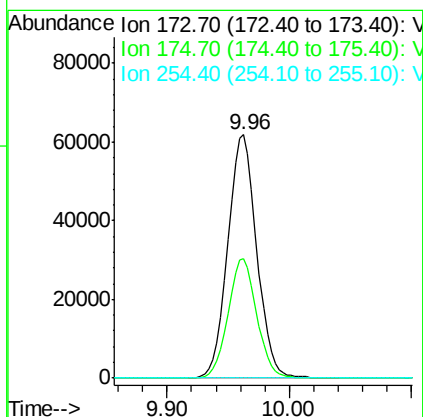
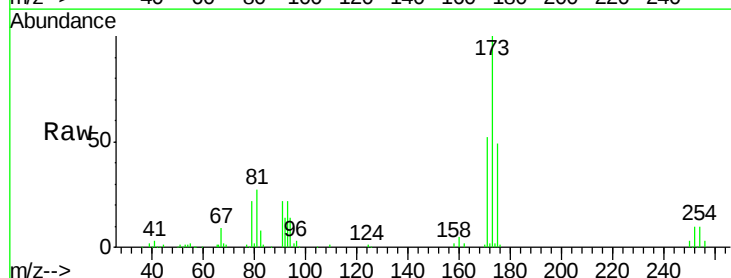
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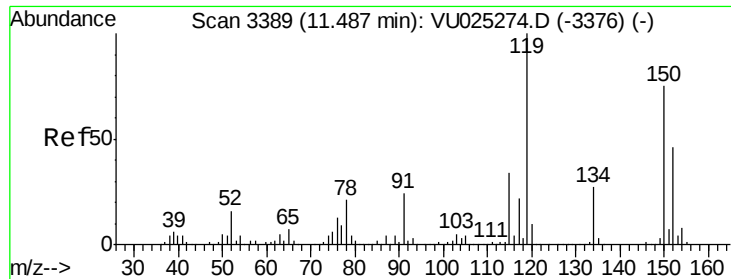
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#71
Bromoform
Concen: 48.12 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	102272		
175	48.7	24.0	72.0	
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: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion:152 Resp: 150918

Ion Ratio Lower Upper

152 100

115 80.9 40.1 120.3

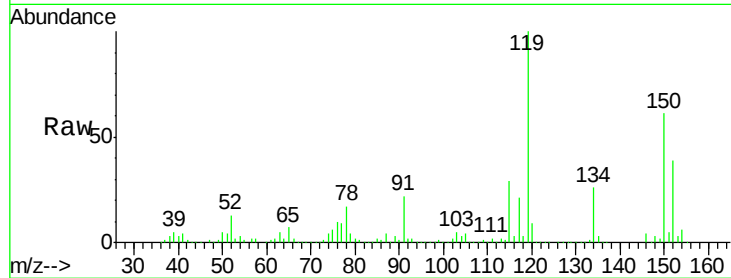
150 173.9 0.0 351.4

Manual Integrations

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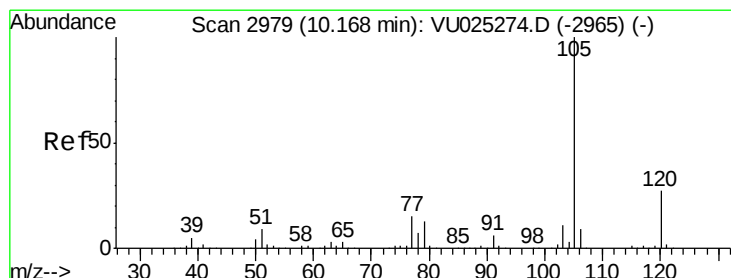
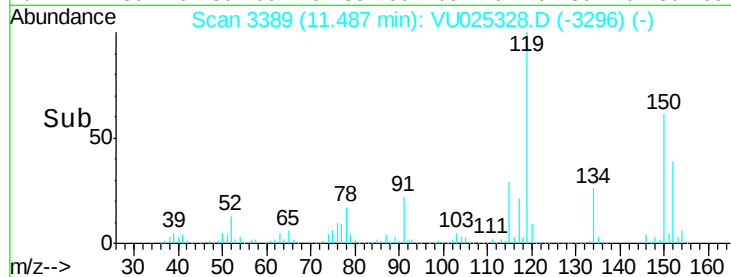
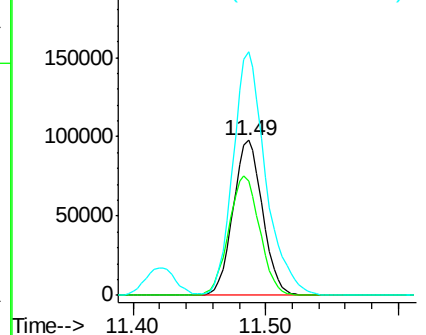
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.53 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025328.D

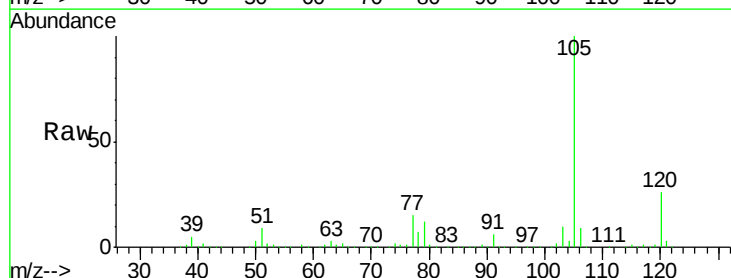
Acq: 11 Jul 2018 20:45

Tgt Ion:105 Resp: 571132

Ion Ratio Lower Upper

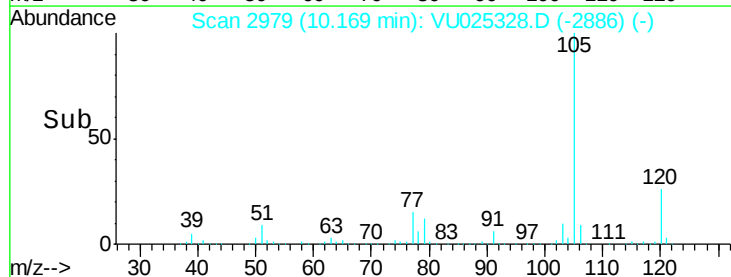
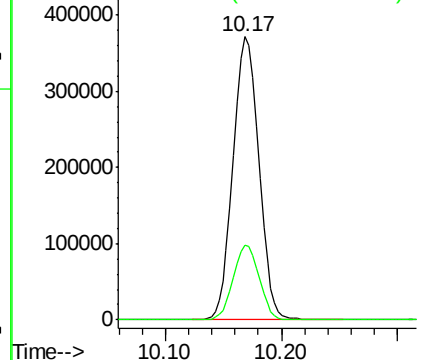
105 100

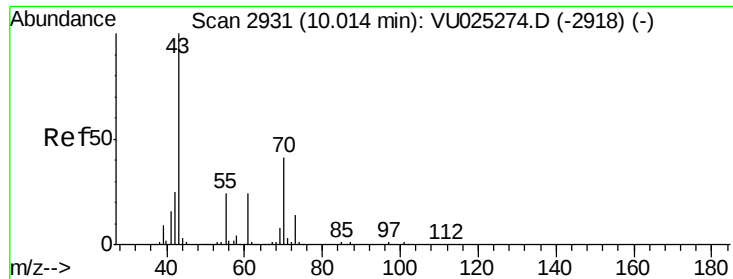
120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.79 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

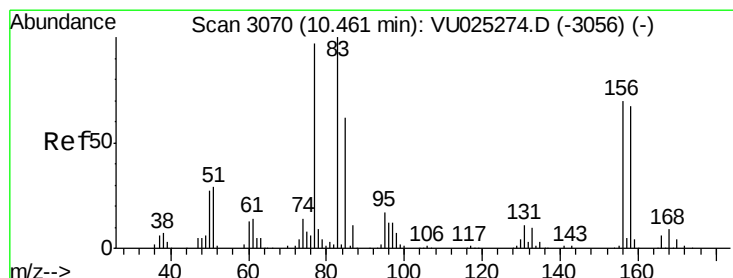
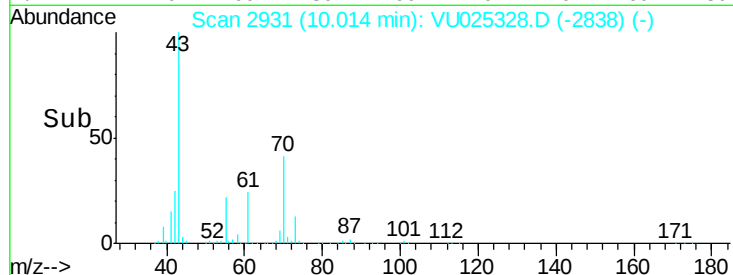
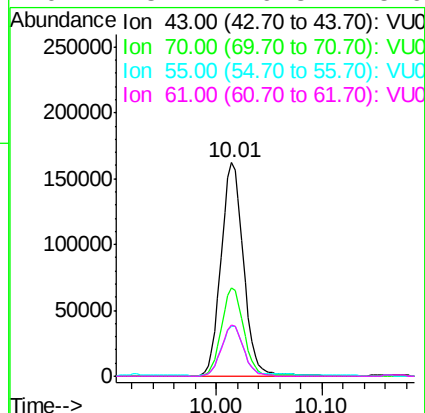
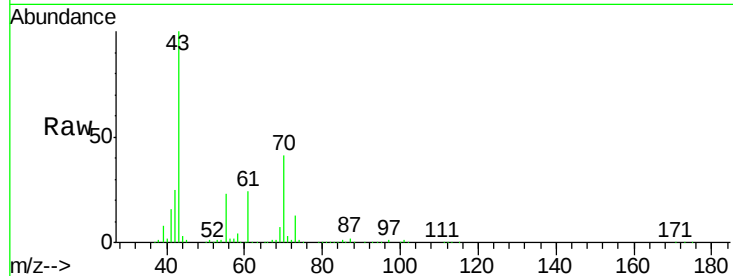
ClientSampleId :

SS037MW036-180709MS

Tot Ion	43	Resp	239816
Ion Ratio	Lower	Upper	
43	100		
70	41.5	33.4	50.2
55	23.4	19.0	28.6
61	23.7	19.3	28.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.46 ug/l

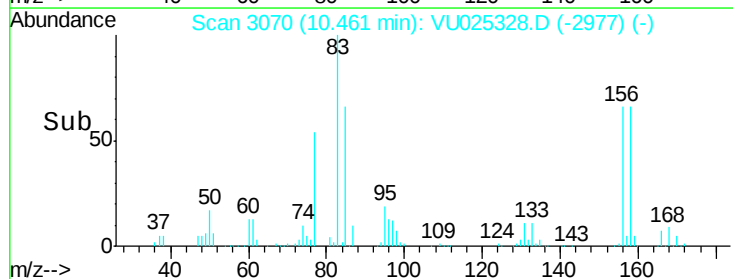
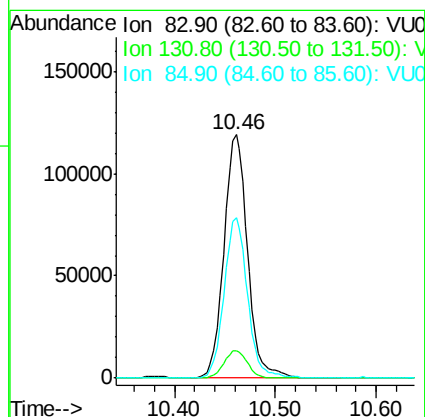
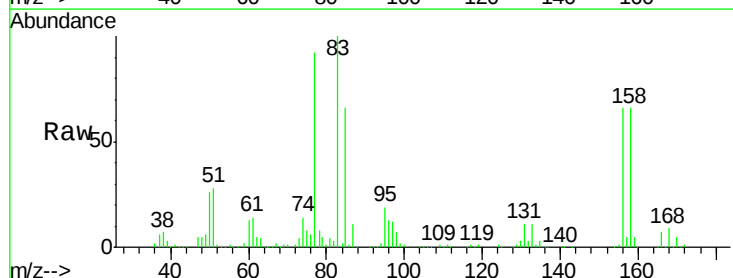
RT: 10.46 min Scan# 3070

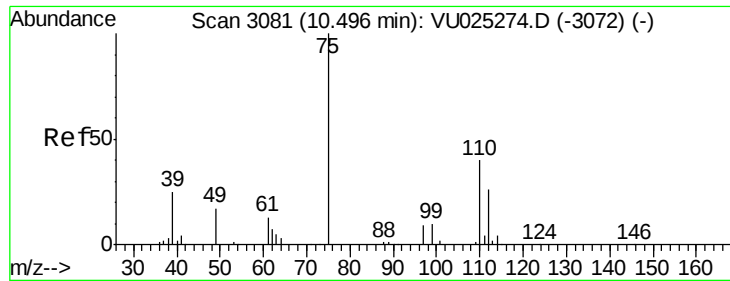
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion	83	Resp	194148
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	65.8	31.6	94.8





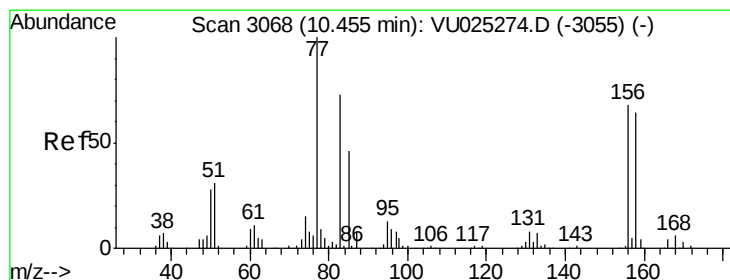
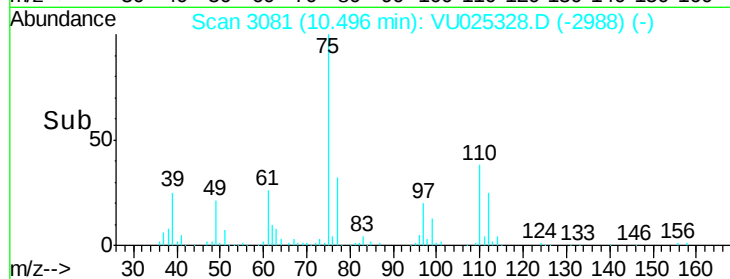
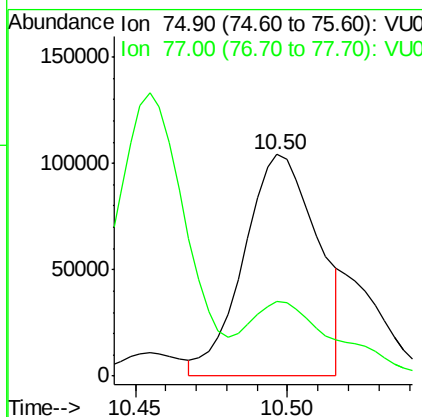
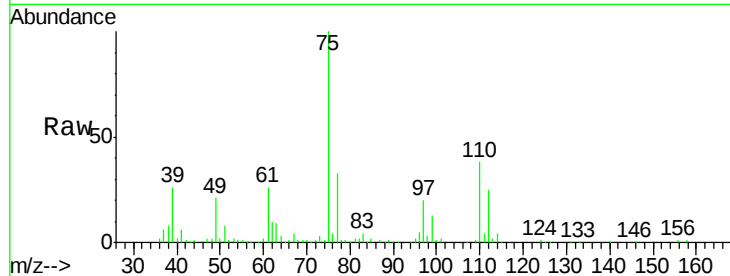
#76
1,2,3-Trichloropropane
Concen: 56.15 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion: 75 Resp: 175336
Ion Ratio Lower Upper
75 100
77 40.7 20.4 61.3

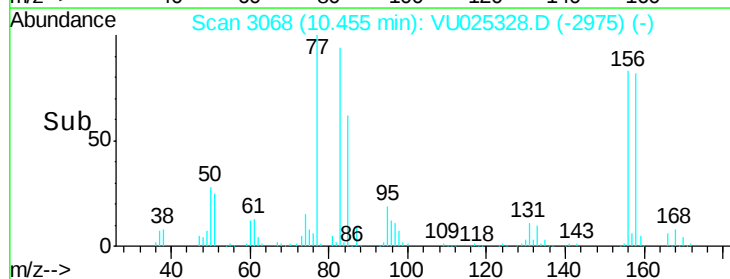
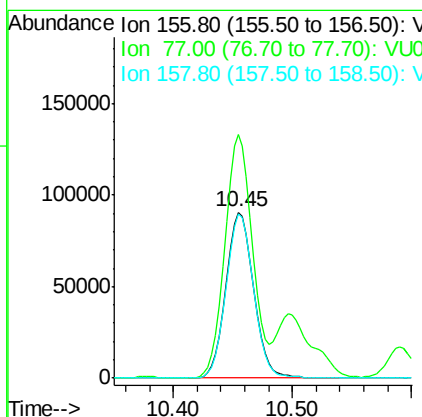
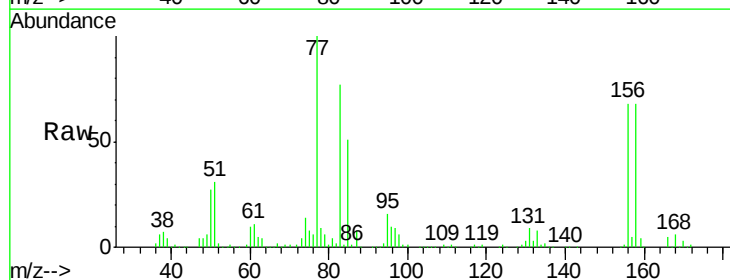
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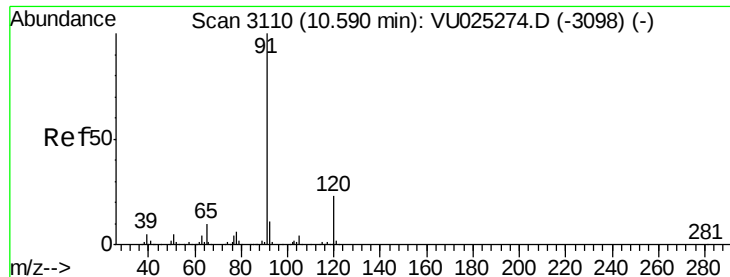
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#77
Bromobenzene
Concen: 49.62 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion: 156 Resp: 146388
Ion Ratio Lower Upper
156 100
77 145.5 73.8 221.4
158 98.2 48.0 144.0





#78

n-propylbenzene

Concen: 49.14 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 91 Resp: 628826

Ion Ratio Lower Upper

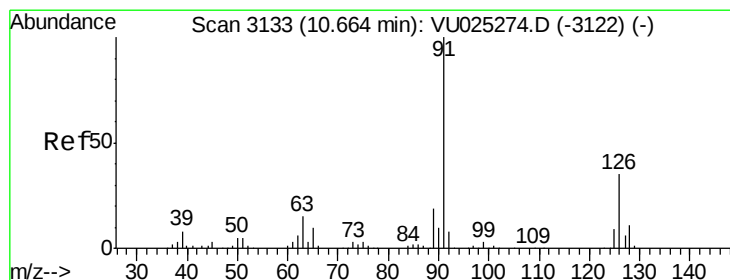
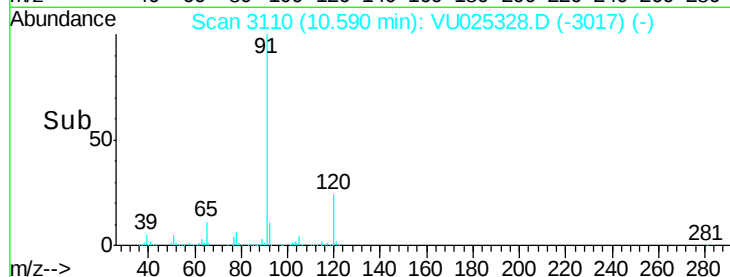
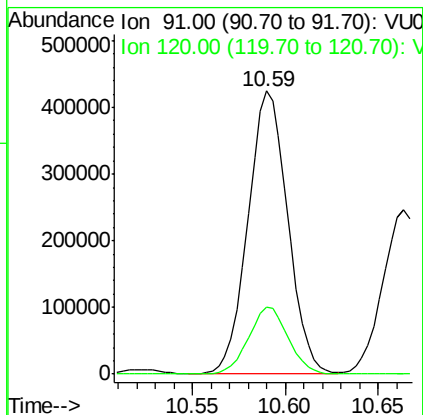
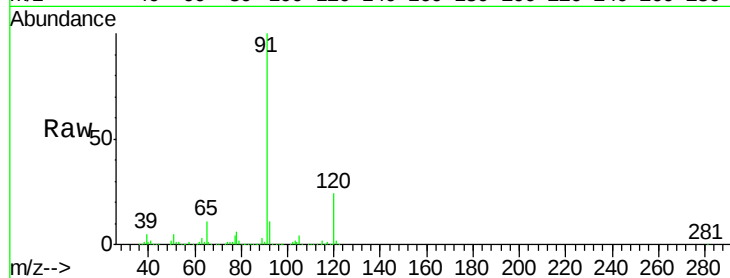
91 100

120 23.7 11.8 35.3

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#79

2-Chlorotoluene

Concen: 51.62 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025328.D

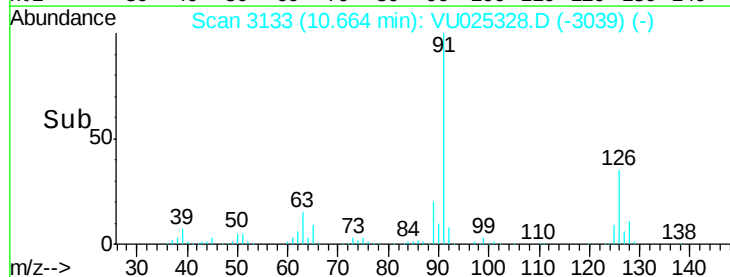
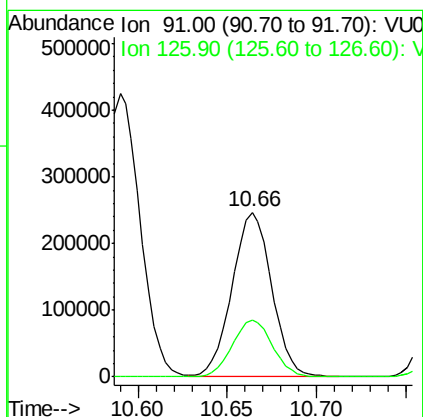
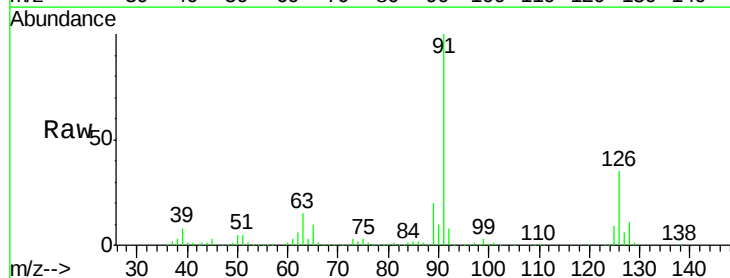
Acq: 11 Jul 2018 20:45

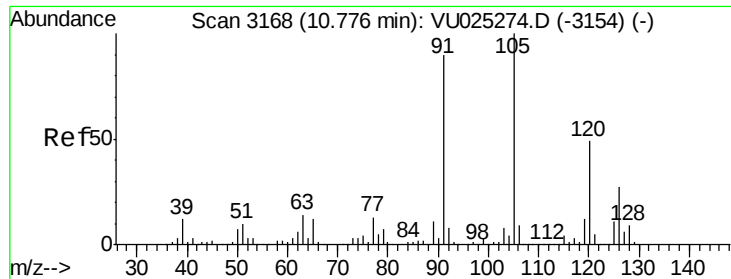
Tgt Ion: 91 Resp: 379296

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6





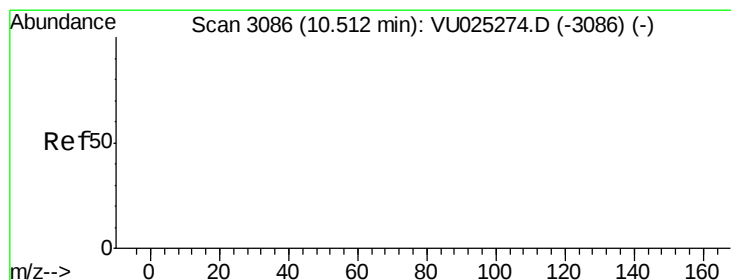
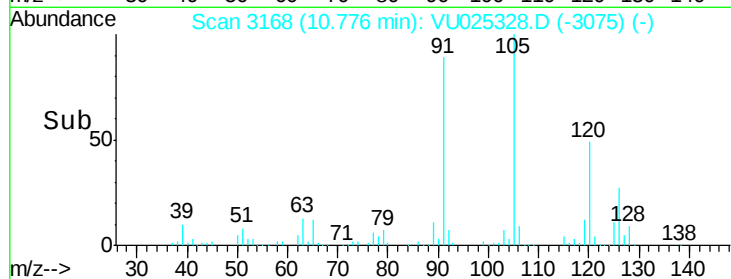
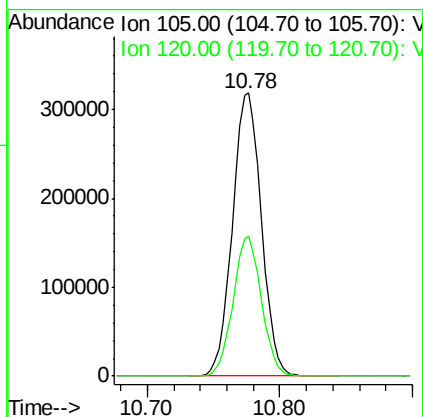
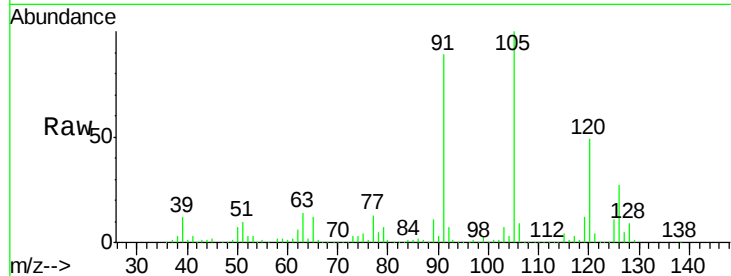
#80
 1,3,5-Trimethylbenzene
 Concen: 49.62 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion:105 Resp: 481437
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2

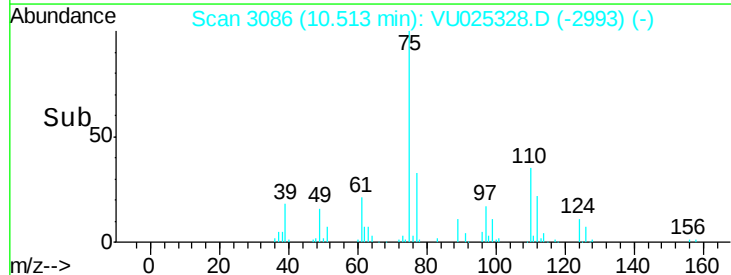
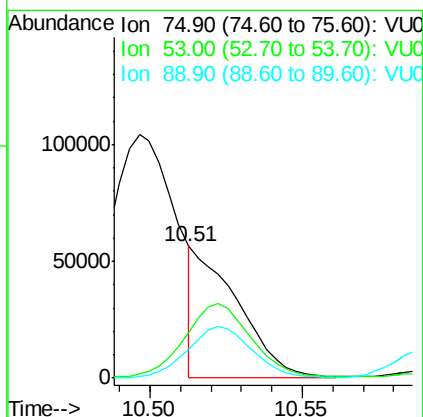
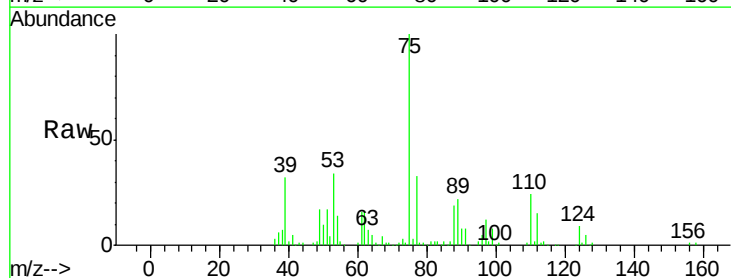
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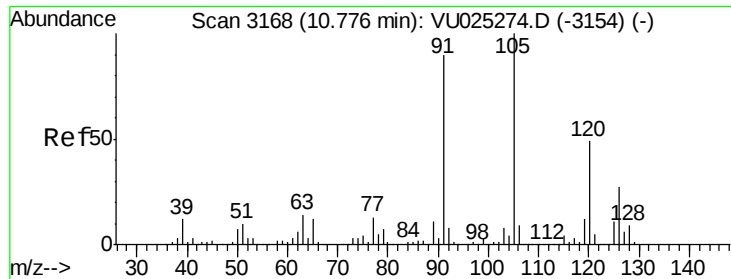
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.97 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion: 75 Resp: 56471
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 48.37 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MS

Tot Ion: 91 Resp: 438258

Ion Ratio Lower Upper

91 100

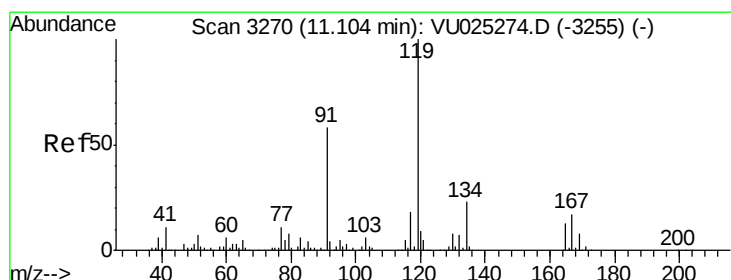
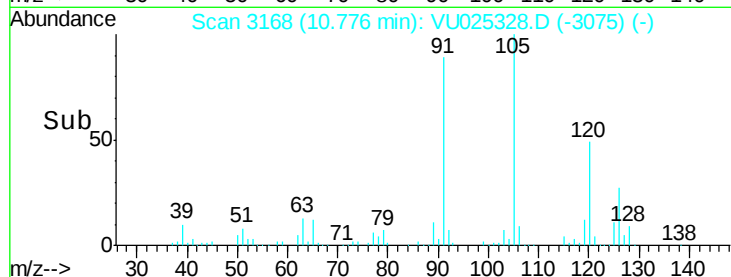
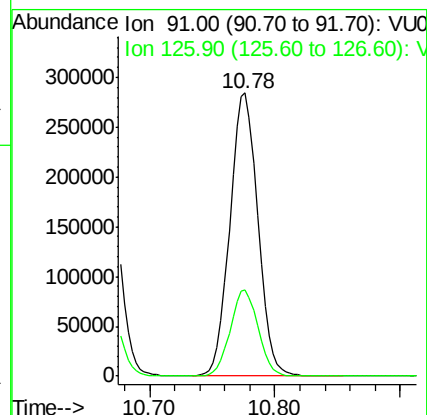
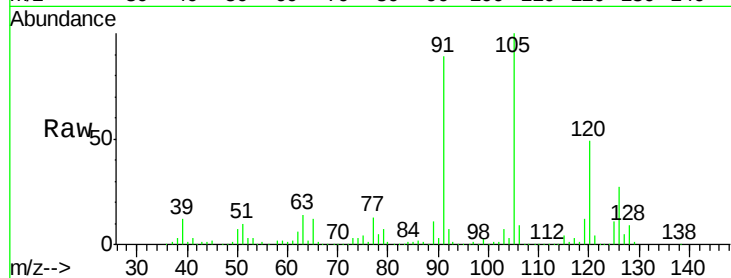
126 30.4 15.3 45.9

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#83

tert-Butylbenzene

Concen: 54.66 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

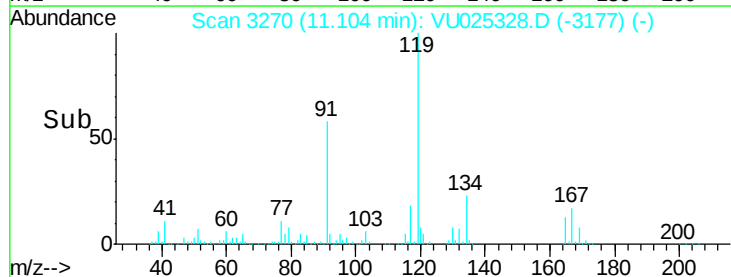
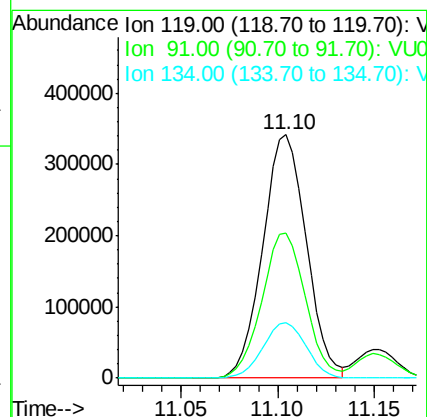
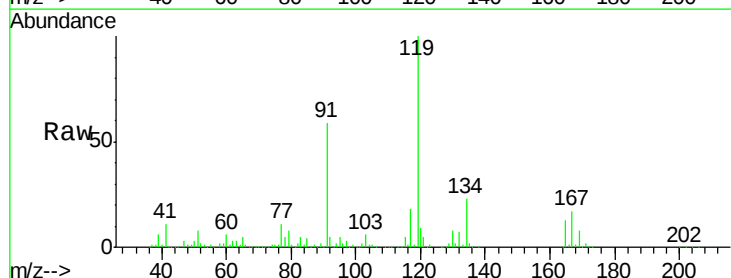
Tgt Ion: 119 Resp: 535962

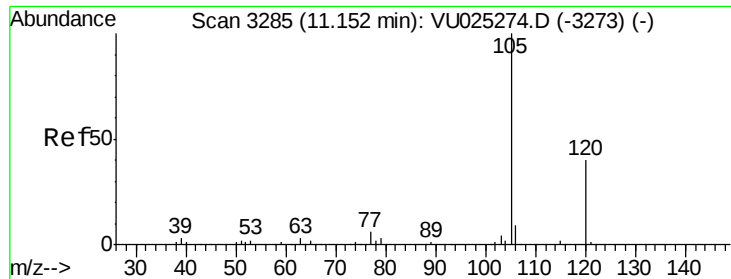
Ion Ratio Lower Upper

119 100

91 59.4 29.7 89.1

134 22.8 11.5 34.5





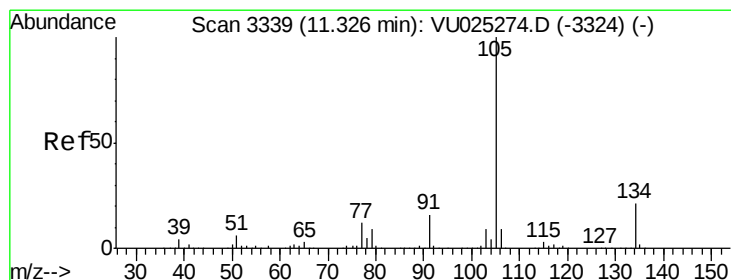
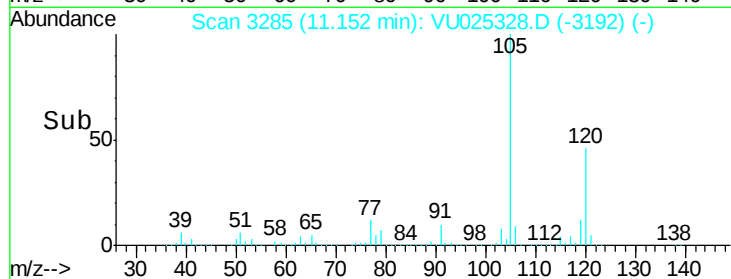
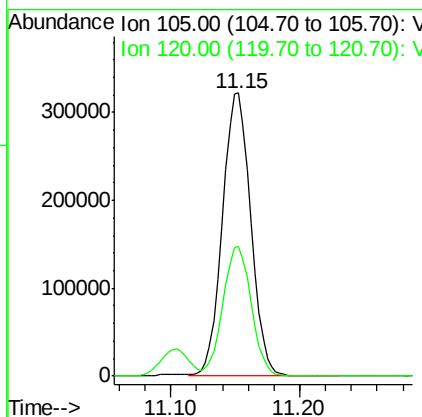
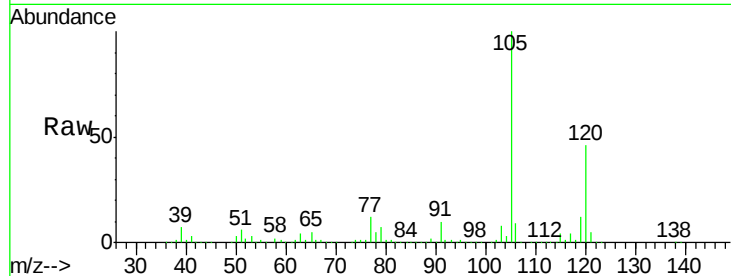
#84
 1,2,4-Trimethylbenzene
 Concen: 49.24 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion:105 Resp: 489612
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8

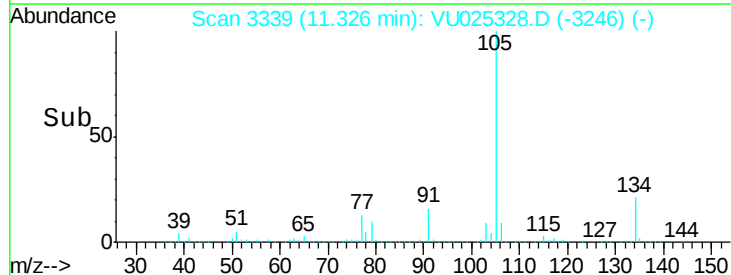
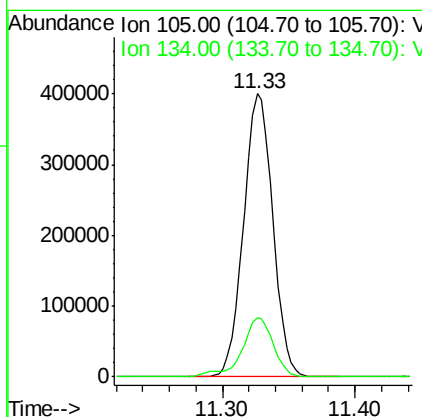
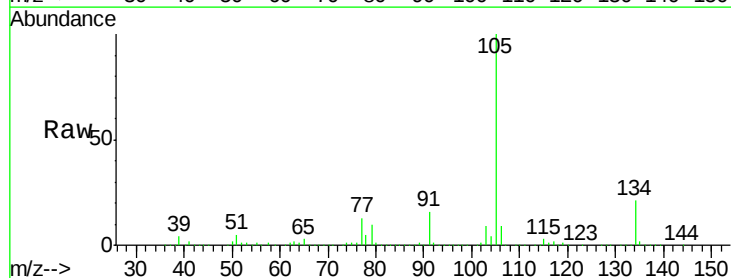
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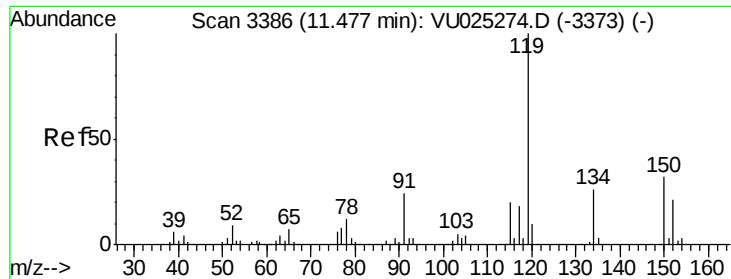
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#85
 sec-Butylbenzene
 Concen: 52.85 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion:105 Resp: 610134
 Ion Ratio Lower Upper
 105 100
 134 22.5 10.3 30.8





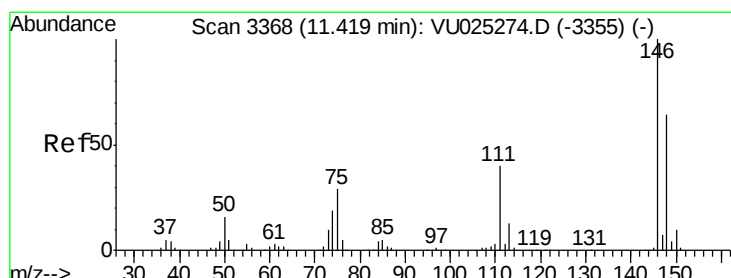
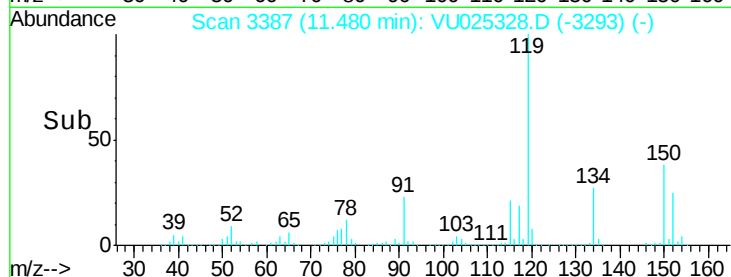
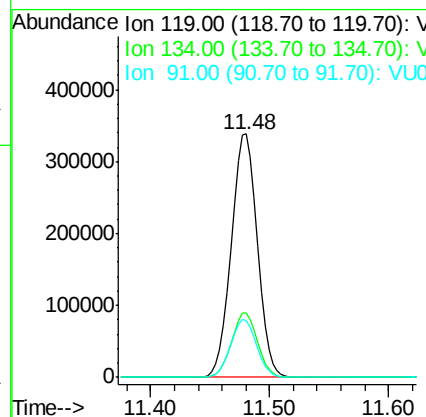
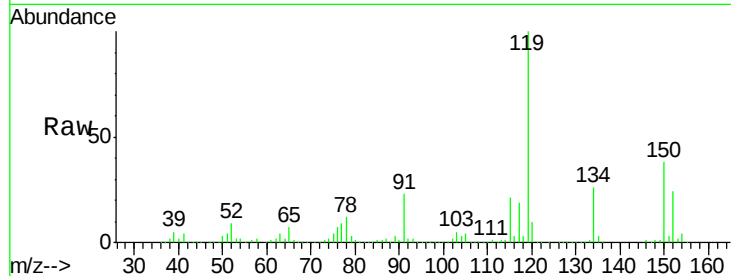
#86
 p-Isopropyltoluene
 Concen: 50.19 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	513015		
134	26.3	13.2	39.5	
91	23.4	12.0	36.1	

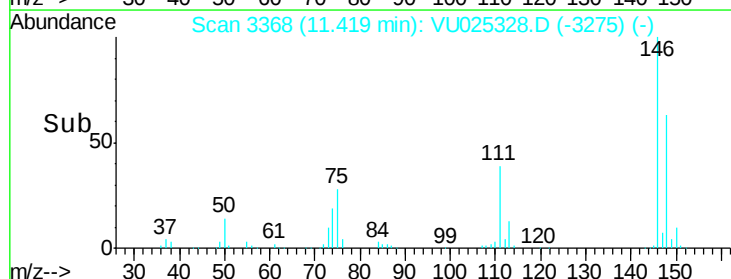
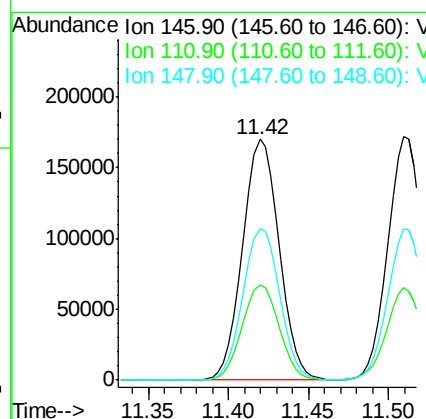
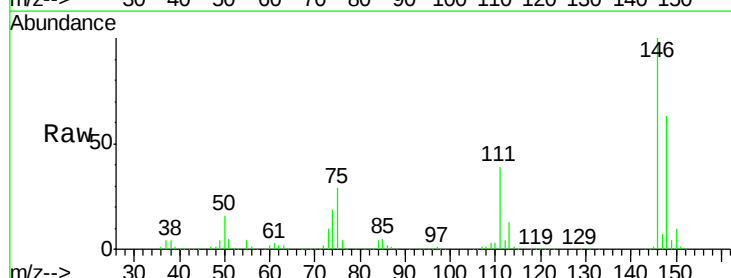
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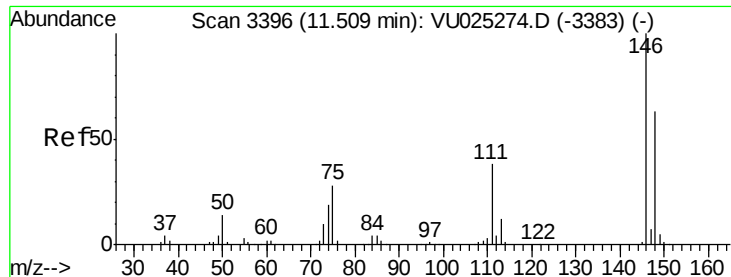
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#87
 1,3-Dichlorobenzene
 Concen: 49.13 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264887		
111	40.1	19.7	59.1	
148	63.6	32.1	96.3	





#88

1,4-Dichlorobenzene

Concen: 50.52 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

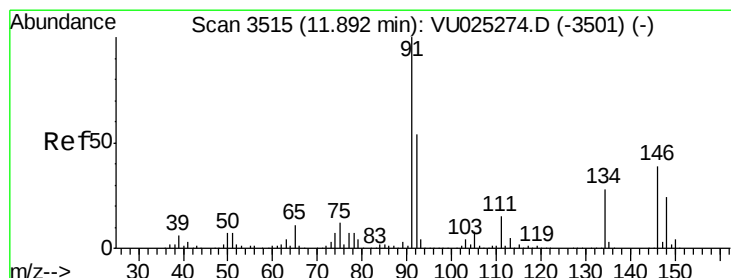
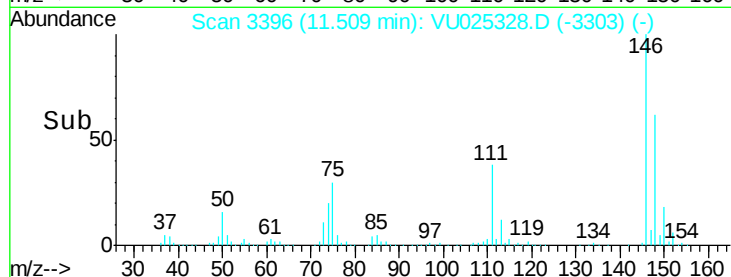
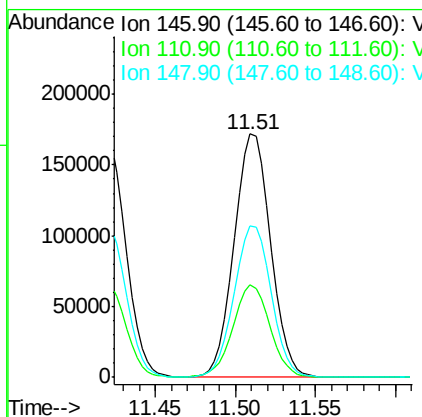
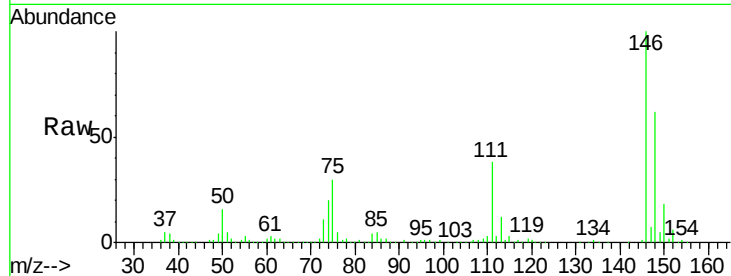
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	146	Resp:	266146
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.4	58.1
148	63.4	31.7	95.1

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#89

n-Butylbenzene

Concen: 49.59 ug/l

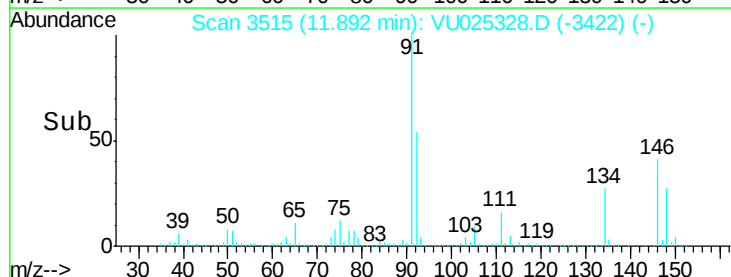
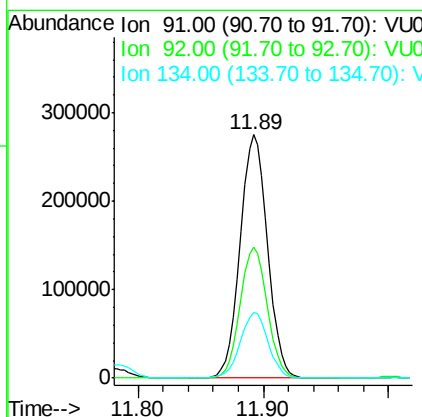
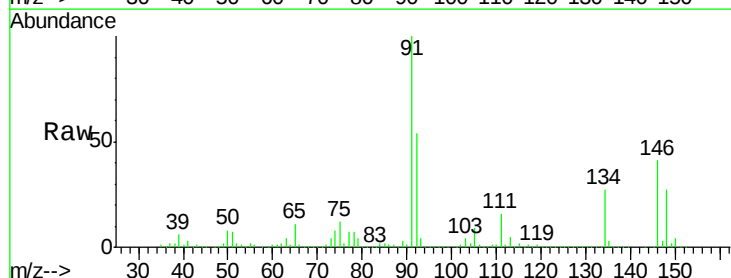
RT: 11.89 min Scan# 3515

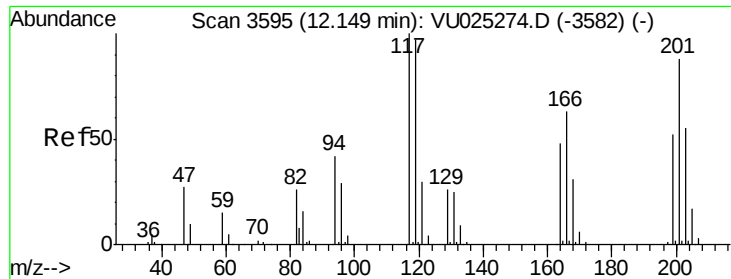
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	91	Resp:	416718
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.5	79.5
134	27.5	13.6	40.7





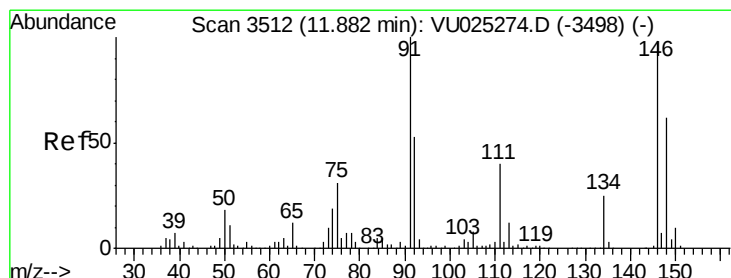
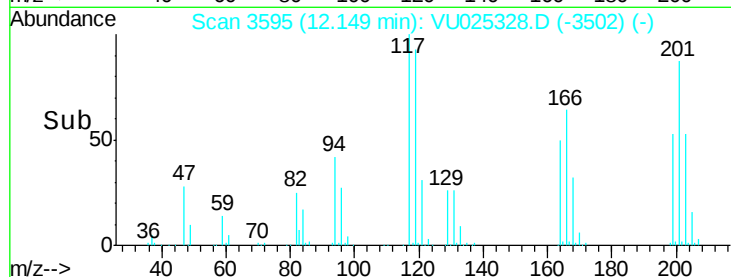
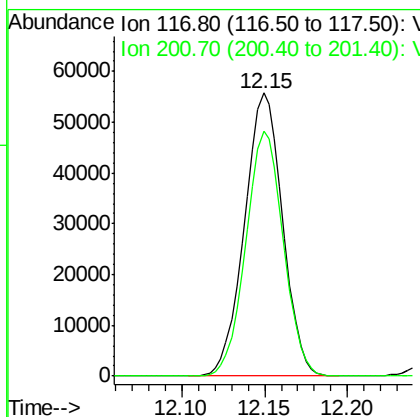
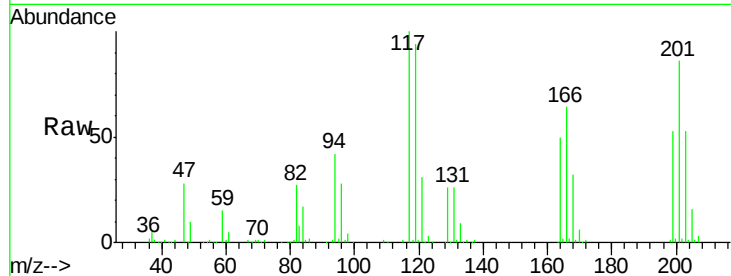
#90
Hexachloroethane
Concen: 51.28 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MS

Tot Ion:117 Resp: 88766
Ion Ratio Lower Upper
117 100
201 85.3 42.5 127.6

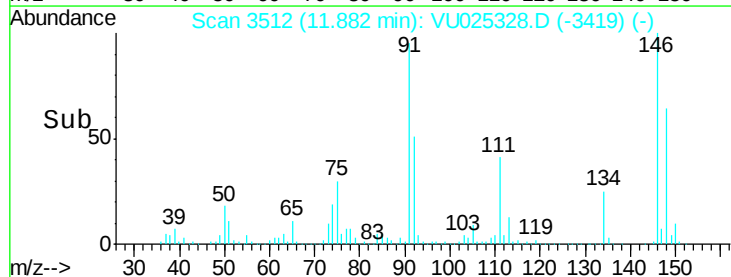
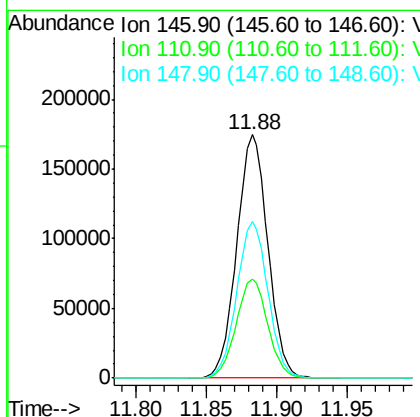
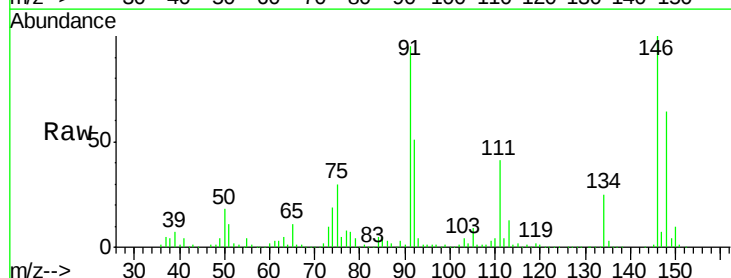
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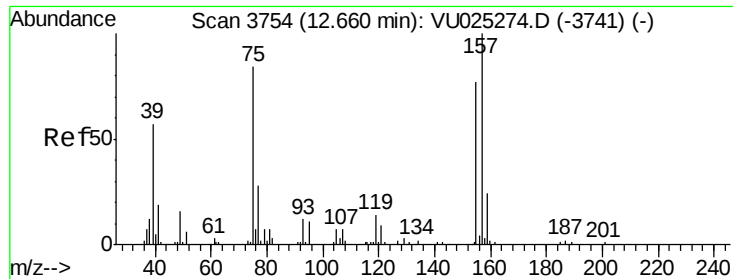
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#91
1,2-Dichlorobenzene
Concen: 49.63 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025328.D
Acq: 11 Jul 2018 20:45

Tgt Ion:146 Resp: 270242
Ion Ratio Lower Upper
146 100
111 41.3 20.6 61.8
148 64.5 31.5 94.5





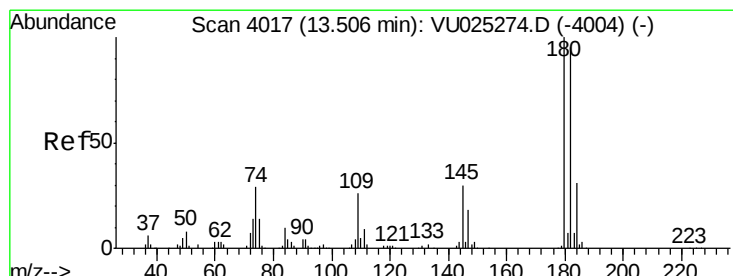
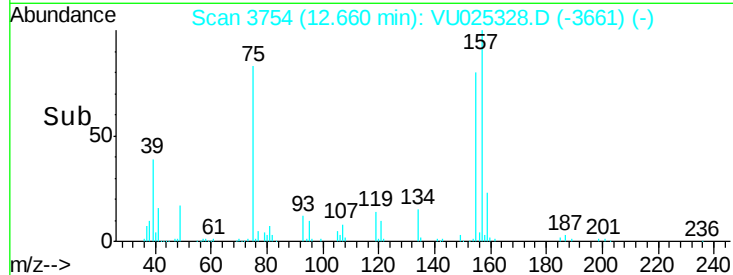
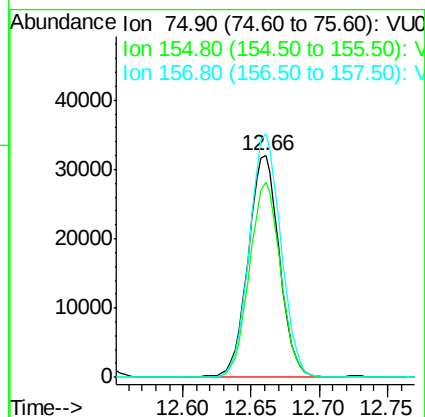
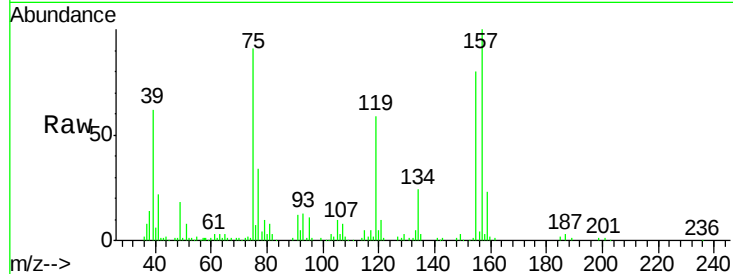
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.73 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	87.2	44.5	133.3
157	109.7	57.0	170.8

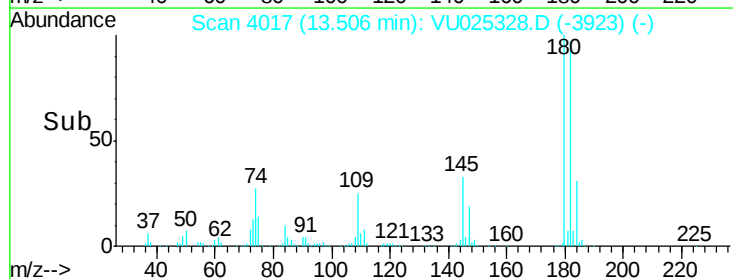
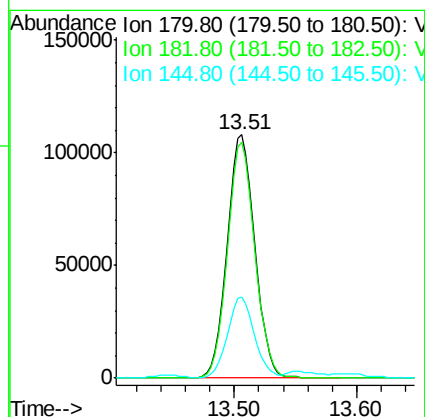
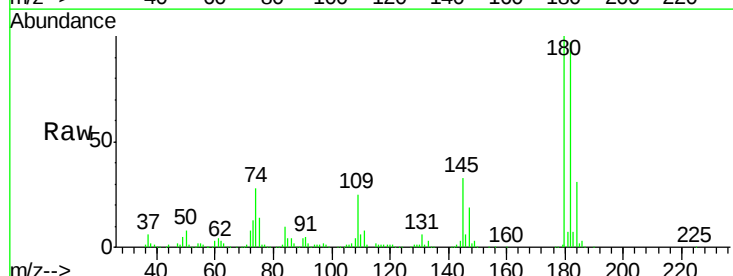
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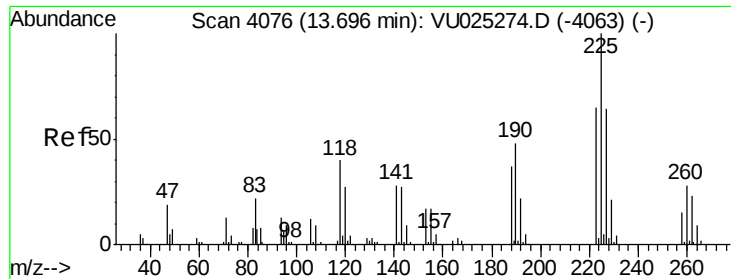
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#93
 1,2,4-Trichlorobenzene
 Concen: 47.28 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	31.9	14.9	44.7





#94

Hexachlorobutadiene

Concen: 48.81 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Instrument :

MSVOA_U

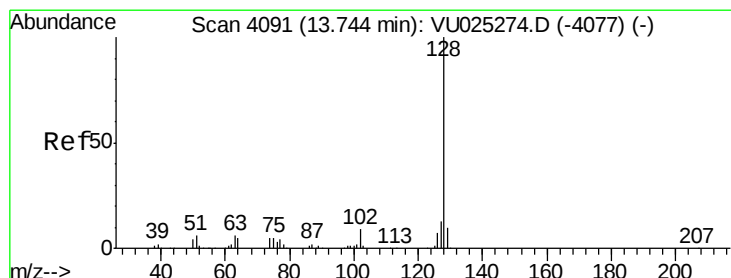
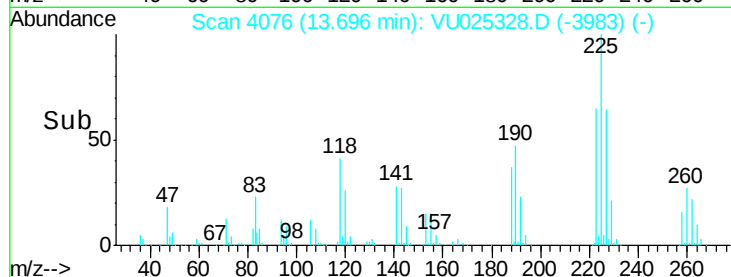
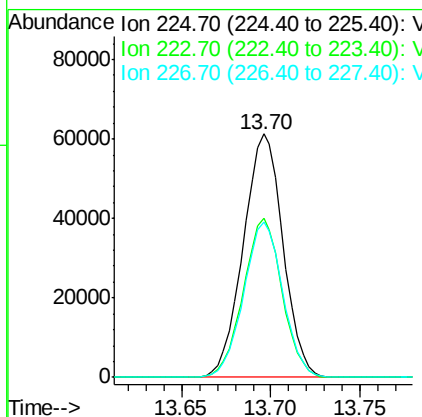
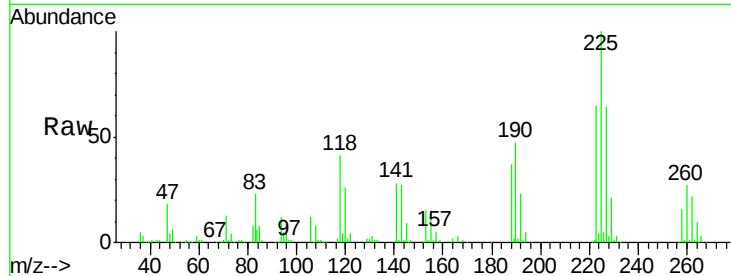
ClientSampleId :

SS037MW036-180709MS

Tot Ion:	225	Resp:	95042
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.9	95.7
227	62.7	32.3	96.9

Manual Integrations
APPROVED

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7/12/2018 11:04:21 AM



#95

Naphthalene

Concen: 51.97 ug/l

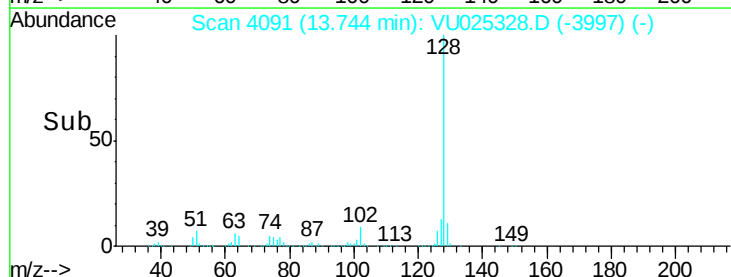
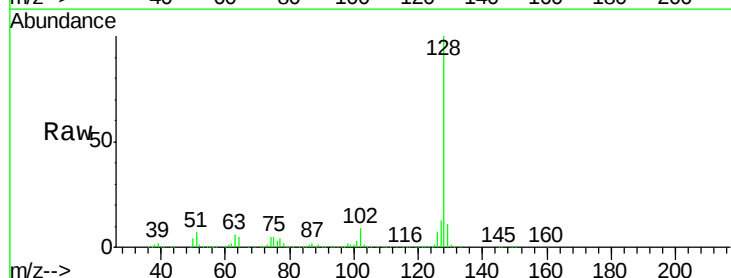
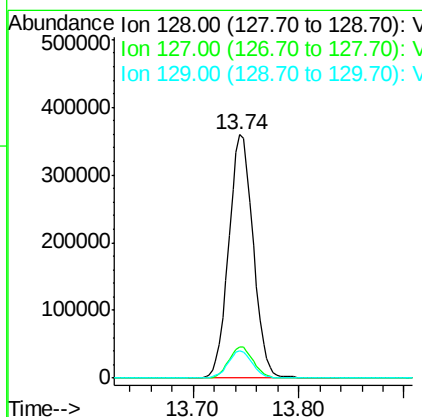
RT: 13.74 min Scan# 4091

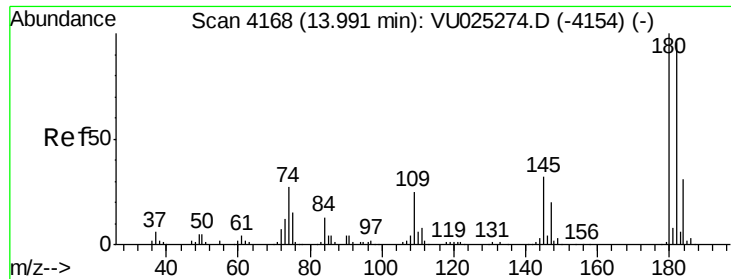
Delta R.T. 0.00 min

Lab File: VU025328.D

Acq: 11 Jul 2018 20:45

Tgt Ion:	128	Resp:	577036
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.9	8.3	12.5





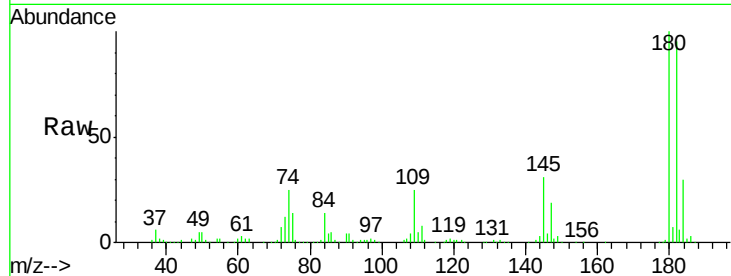
#96
 1,2,3-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025328.D
 Acq: 11 Jul 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.8	47.8	143.3
145	34.7	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:21 AM



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

