

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025329.D
 Acq On : 11 Jul 2018 21:09
 Operator : MD/SY
 Sample : J3922-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:22 AM

Quant Time: Jul 12 05:05:38 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	170913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	253993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123374	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	4.89	113	101353	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
50) Toluene-d8	7.57	98	334823	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
62) 4-Bromofluorobenzene	10.31	95	137791	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82173	46.46	ug/l	100
3) Chloromethane	1.33	50	86523	49.11	ug/l	100
4) Vinyl Chloride	1.40	62	95191	48.97	ug/l	99
5) Bromomethane	1.62	94	56690	57.99	ug/l	98
6) Chloroethane	1.69	64	64155	51.89	ug/l	98
7) Trichlorofluoromethane	1.88	101	147490	48.28	ug/l	98
8) Diethyl Ether	2.10	74	60027	52.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	93821	49.56	ug/l	100
10) Methyl Iodide	2.41	142	106743	50.32	ug/l	100
11) Tert butyl alcohol	2.83	59	155204	267.93	ug/l	100
12) 1,1-Dichloroethene	2.28	96	84988	49.06	ug/l	97
13) Acrolein	2.19	56	55783	145.57	ug/l	98
14) Allyl chloride	2.59	41	146632	46.67	ug/l	100
15) Acrylonitrile	2.93	53	323157	271.35	ug/l	100
16) Acetone	2.32	43	302903	224.06	ug/l	99
17) Carbon Disulfide	2.48	76	225031	44.66	ug/l	99
18) Methyl Acetate	2.62	43	153396	56.42	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	358390	54.39	ug/l	99
20) Methylene Chloride	2.70	84	107700	52.39	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	98361	49.68	ug/l	98
22) Diisopropyl ether	3.57	45	342920	53.44	ug/l	95
23) Vinyl Acetate	3.53	43	1461351	259.62	ug/l	100
24) 1,1-Dichloroethane	3.45	63	194292	53.69	ug/l	99
25) 2-Butanone	4.26	43	475155	258.17	ug/l	99
26) 2,2-Dichloropropane	4.23	77	141012	40.53	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	118738	51.83	ug/l	98
28) Bromochloromethane	4.55	49	90701	51.91	ug/l	99
29) Tetrahydrofuran	4.63	42	298471	270.37	ug/l	99
30) Chloroform	4.68	83	203787	53.18	ug/l	99
31) Cyclohexane	5.00	56	165073	49.23	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	184419	53.10	ug/l	99
36) 1,1-Dichloropropene	5.14	75	139103	47.35	ug/l	99
37) Ethyl Acetate	4.38	43	168012	51.28	ug/l	99
38) Carbon Tetrachloride	5.14	117	160539	50.77	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	169189	46.17	ug/l	97
40) Benzene	5.39	78	427165	50.46	ug/l	98
41) Methacrylonitrile	4.54	41	97228	53.52	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172170	51.16	ug/l	100
43) Isopropyl Acetate	5.55	43	280256	53.42	ug/l	99
44) Trichloroethene	6.19	130	116486	47.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	113368	51.13	ug/l	97
46) Dibromomethane	6.56	93	82062	50.85	ug/l	99
47) Bromodichloromethane	6.76	83	155173	51.76	ug/l	99
48) Methyl methacrylate	6.63	41	140881	53.86	ug/l	98
49) 1,4-Dioxane	6.62	88	63863	1014.72	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	910059	266.87	ug/l	99
52) Toluene	7.64	92	271445	50.40	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	163577	49.66	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	170240	48.56	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	118335	52.75	ug/l	98
56) Ethyl methacrylate	8.02	69	183066	52.25	ug/l	98
57) 1,3-Dichloropropane	8.25	76	194558	52.24	ug/l	100
59) 2-Hexanone	8.36	43	711100	257.08	ug/l	98
60) Dibromochloromethane	8.48	129	129123	53.30	ug/l	98
61) 1,2-Dibromoethane	8.59	107	125648	52.35	ug/l	100
64) Tetrachloroethene	8.23	164	102330	44.20	ug/l	99
65) Chlorobenzene	9.12	112	1675483	264.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119623	52.70	ug/l	99
67) Ethyl Benzene	9.25	91	536835	49.63	ug/l	99
68) m/p-Xylenes	9.38	106	418891	100.16	ug/l	99
69) o-Xylene	9.78	106	207650	49.59	ug/l	96
70) Styrene	9.80	104	341386	51.33	ug/l	99
71) Bromoform	9.96	173	102381	46.97	ug/l #	98
73) Isopropylbenzene	10.17	105	573804	49.50	ug/l	99
74) N-amyl acetate	10.01	43	246300	51.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194285	51.23	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	173722m	55.35	ug/l	
77) Bromobenzene	10.45	156	146635	49.45	ug/l	100
78) n-propylbenzene	10.59	91	627721	48.80	ug/l	99
79) 2-Chlorotoluene	10.66	91	383382	51.91	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	478766	49.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	57330m	47.43	ug/l	
82) 4-Chlorotoluene	10.78	91	441750	48.50	ug/l	99
83) tert-Butylbenzene	11.10	119	535479	54.33	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492443	49.26	ug/l	99
85) sec-Butylbenzene	11.33	105	613821	52.89	ug/l	96
86) p-Isopropyltoluene	11.48	119	513154	49.94	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	265170	48.93	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	268626	50.72	ug/l	99
89) n-Butylbenzene	11.89	91	426534	50.49	ug/l	99
90) Hexachloroethane	12.15	117	88386	50.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	276201	50.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50451	54.85	ug/l	97
93) 1,2,4-Trichlorobenzene	13.51	180	177316	48.49	ug/l	97

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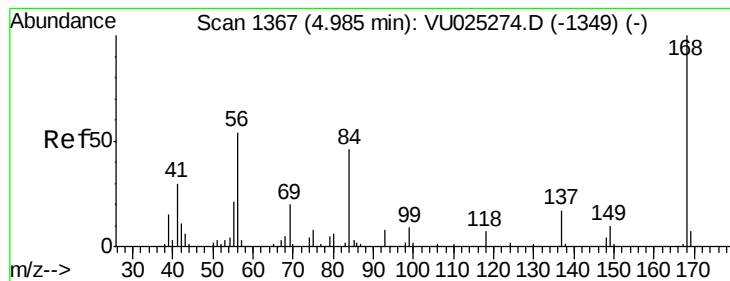
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	96546	49.32	ug/l	99
95) Naphthalene	13.74	128	609893	54.52	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	189373	50.85	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion:168 Resp: 170913

Ion Ratio Lower Upper

168 100

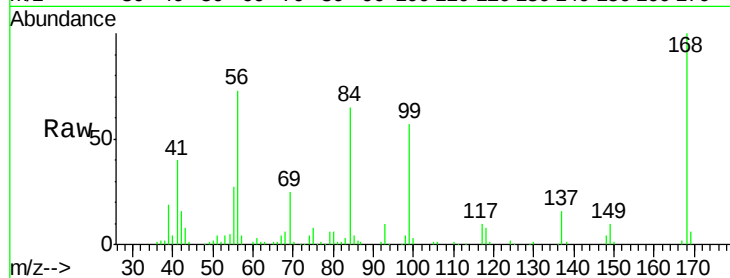
99 56.5 42.8 64.2

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) (-)

4.99

80000

60000

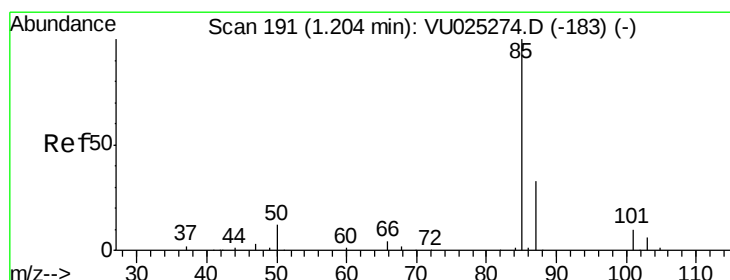
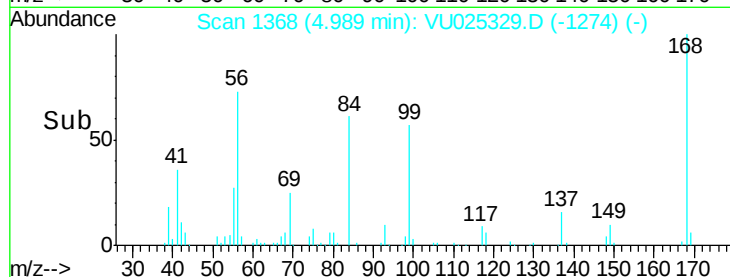
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.46 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025329.D

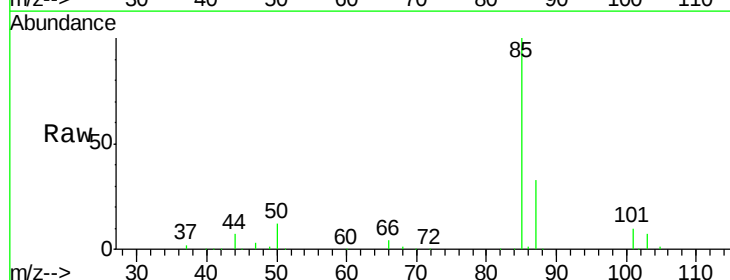
Acq: 11 Jul 2018 21:09

Tgt Ion: 85 Resp: 82173

Ion Ratio Lower Upper

85 100

87 32.9 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) (-)

1.20

80000

60000

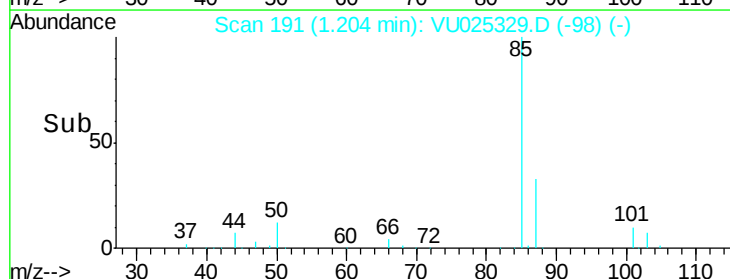
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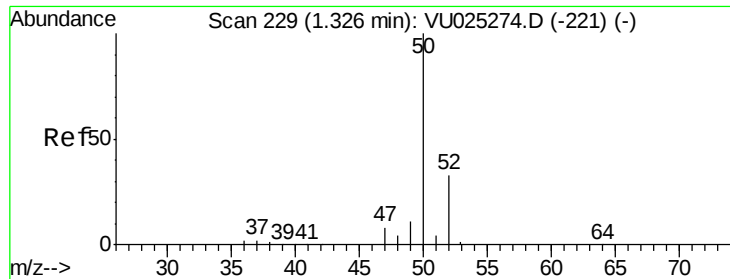
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 49.11 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 50 Resp: 86523

Ion Ratio Lower Upper

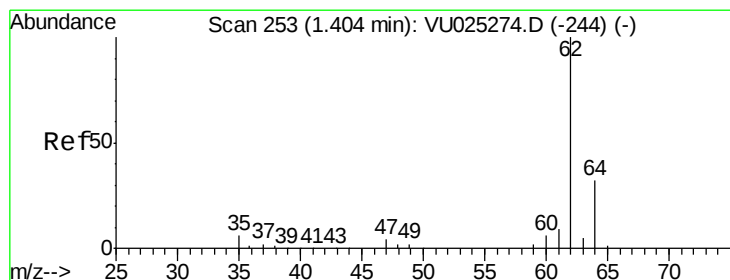
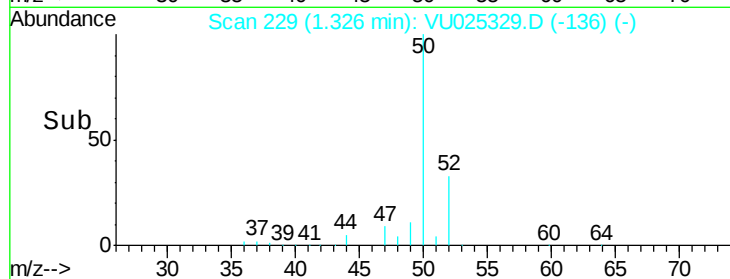
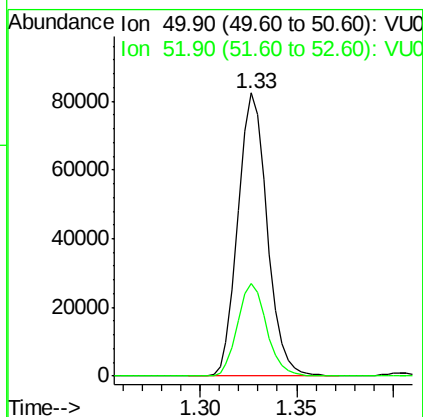
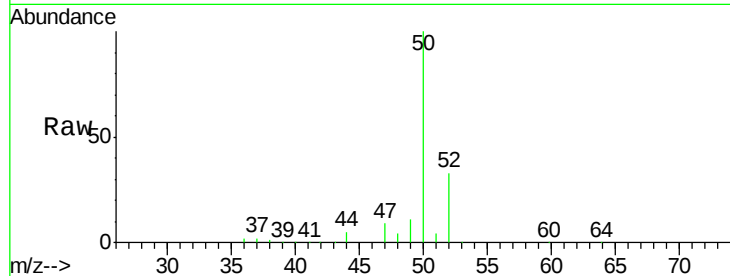
50 100

52 32.9 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.97 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025329.D

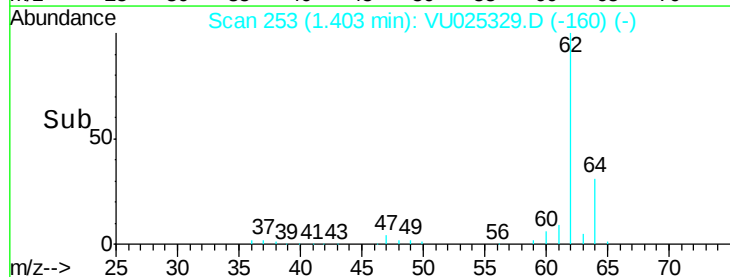
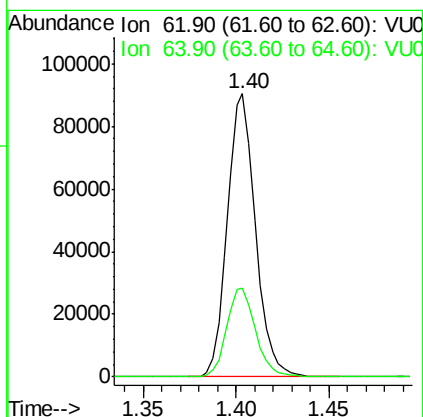
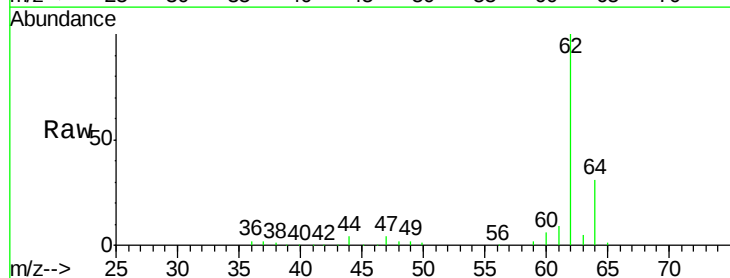
Acq: 11 Jul 2018 21:09

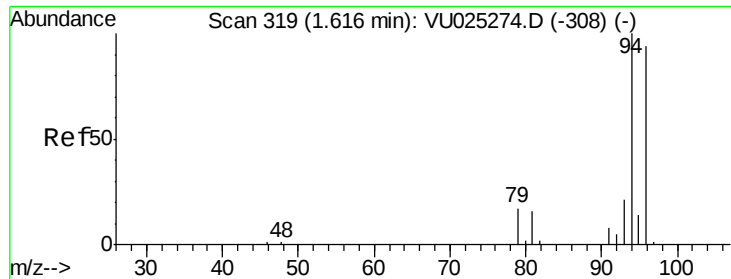
Tgt Ion: 62 Resp: 95191

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 57.99 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

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ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 94 Resp: 56690

Ion Ratio Lower Upper

94 100

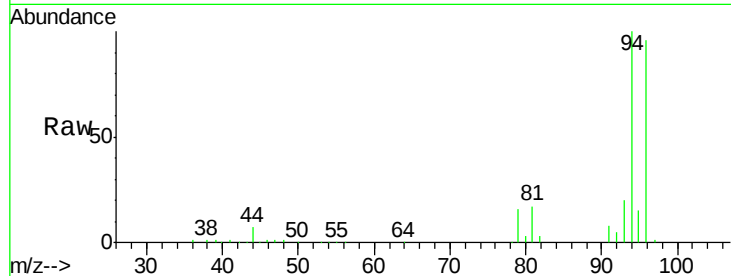
96 96.1 75.0 112.4

Manual Integrations

APPROVED

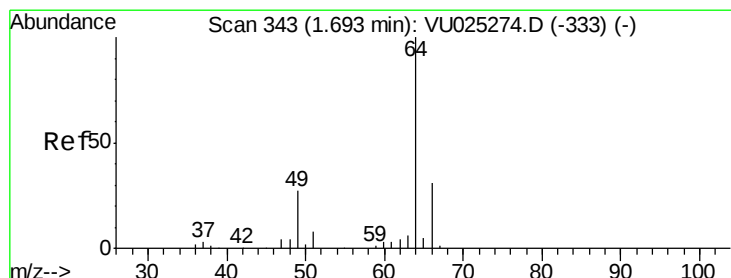
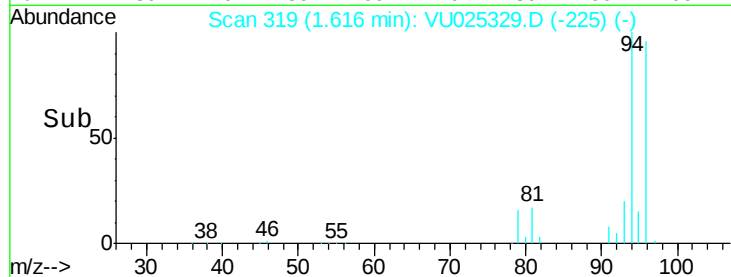
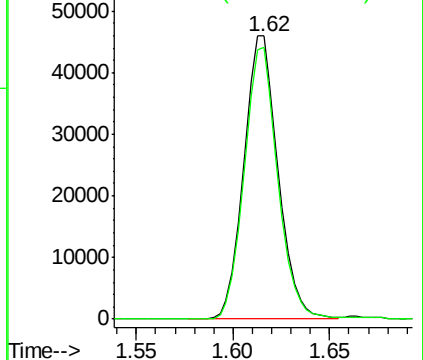
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 51.89 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025329.D

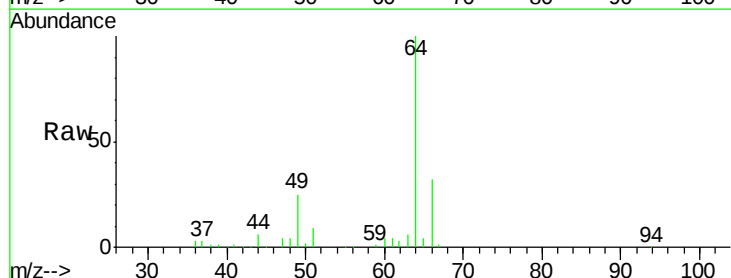
Acq: 11 Jul 2018 21:09

Tgt Ion: 64 Resp: 64155

Ion Ratio Lower Upper

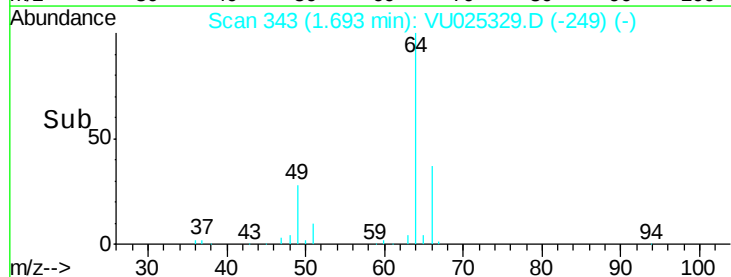
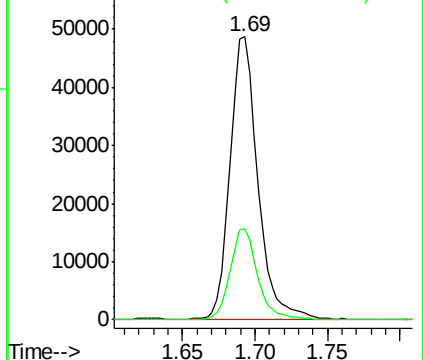
64 100

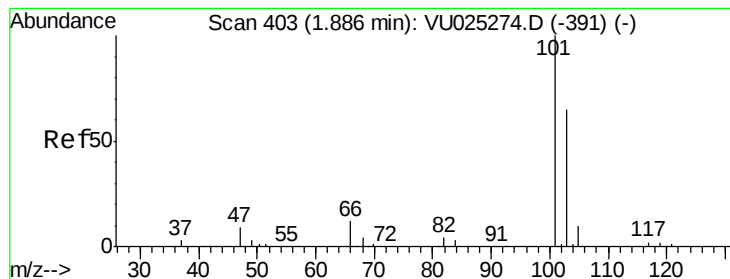
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

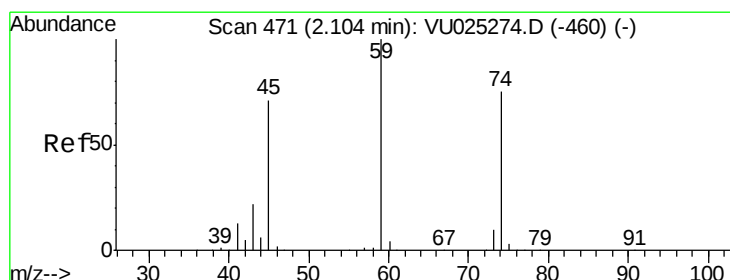
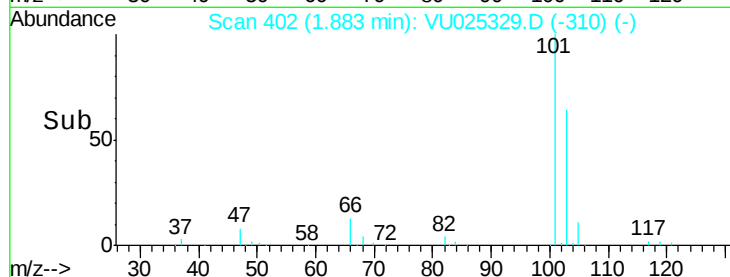
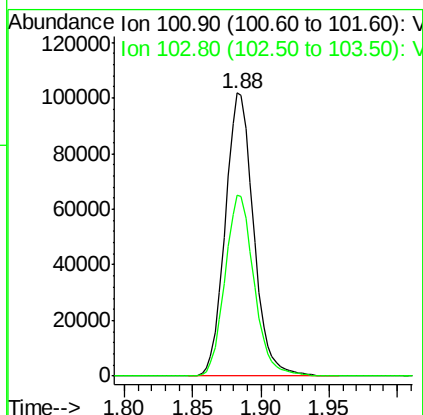
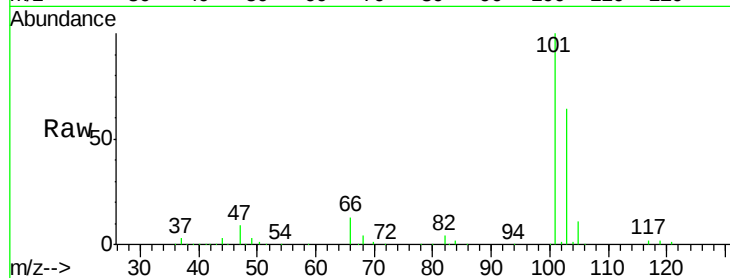
Trichlorofluoromethane
Concen: 48.28 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

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Tot Ion:101 Resp: 147490
Ion Ratio Lower Upper
101 100
103 63.9 52.2 78.2

Manual Integrations
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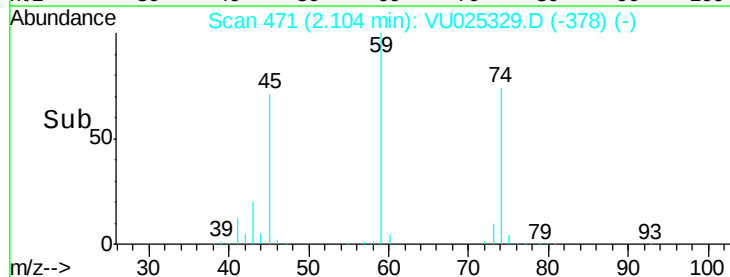
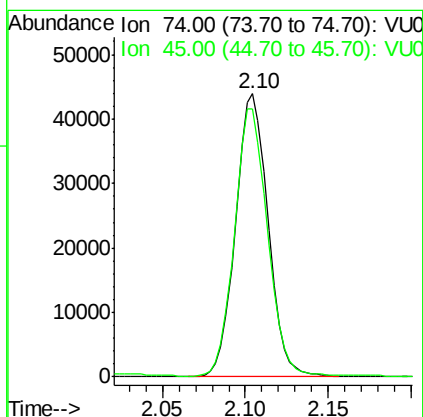
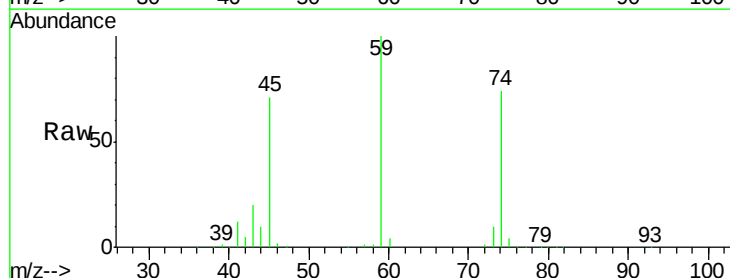
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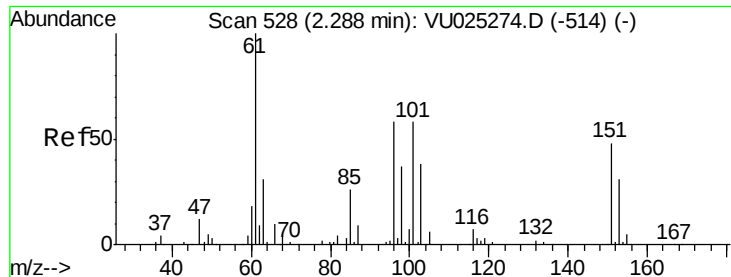


#8

Diethyl Ether
Concen: 52.36 ug/l
RT: 2.10 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion: 74 Resp: 60027
Ion Ratio Lower Upper
74 100
45 97.6 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.56 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

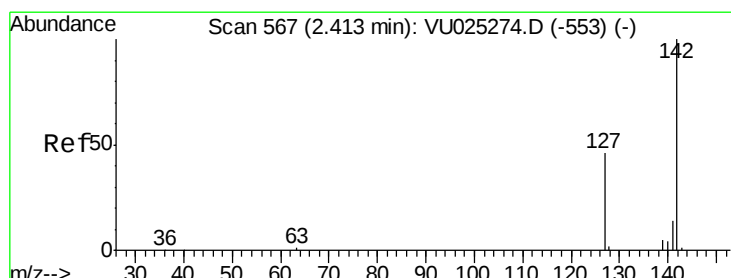
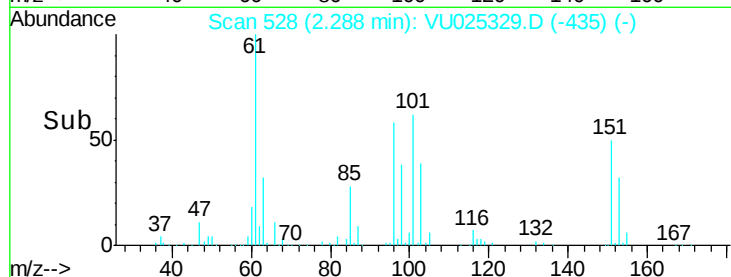
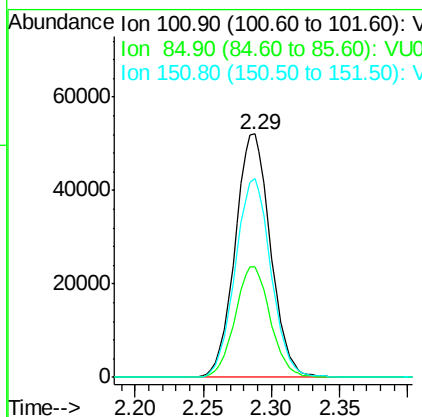
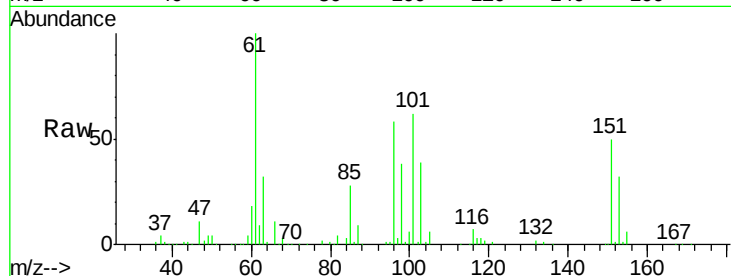
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	101	Resp:	93821
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	82.5	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.32 ug/l

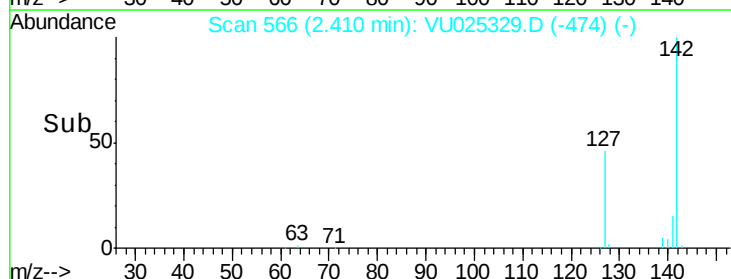
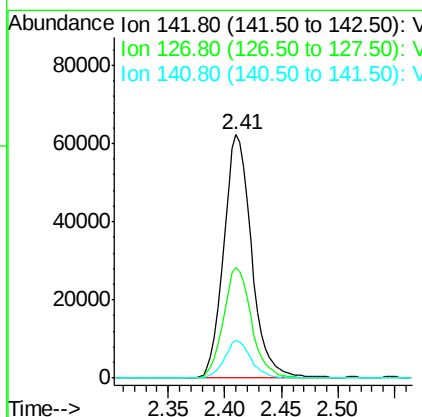
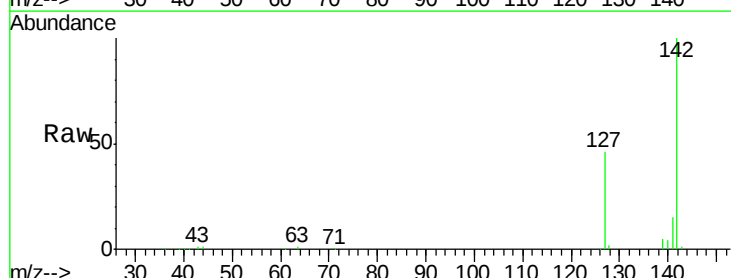
RT: 2.41 min Scan# 566

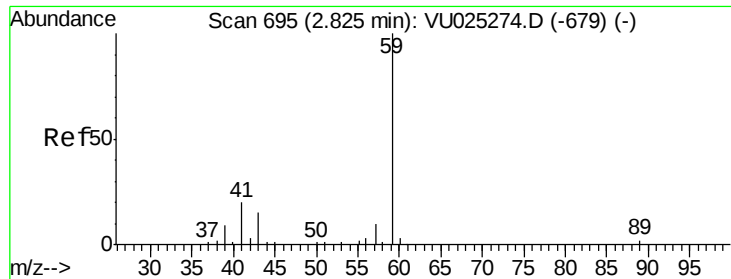
Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	142	Resp:	106743
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.5	54.7
141	14.6	11.4	17.2





#11

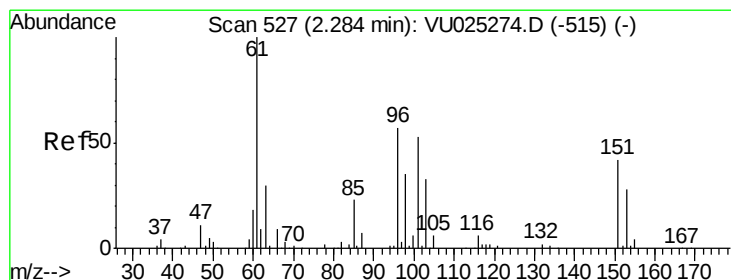
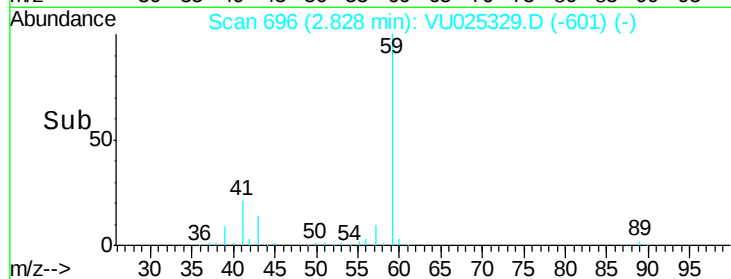
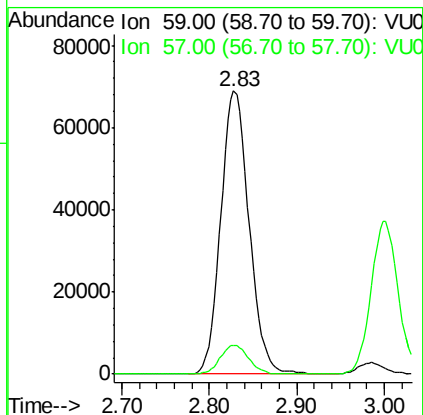
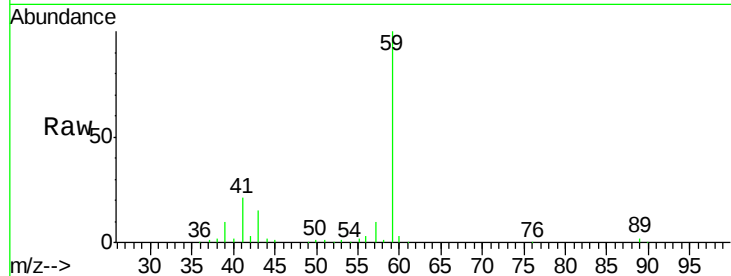
Tert butyl alcohol
Concen: 267.93 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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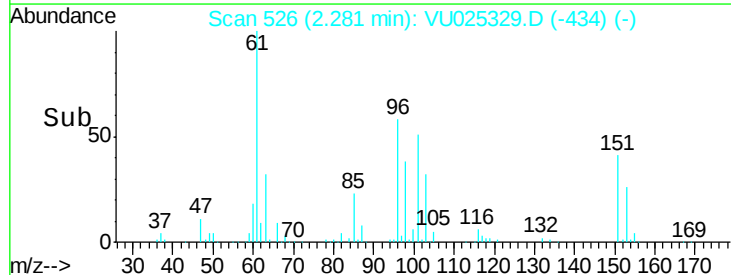
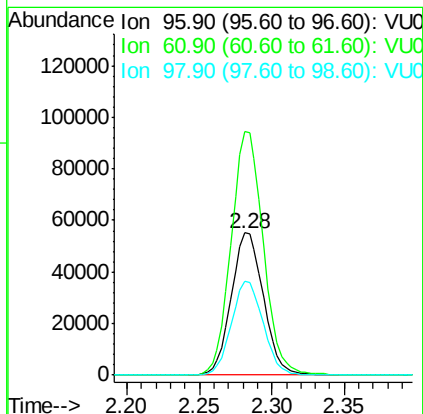
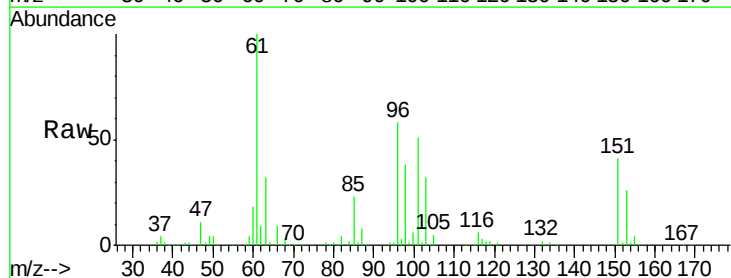
MMDadoda
7/12/2018 11:04:22 AM

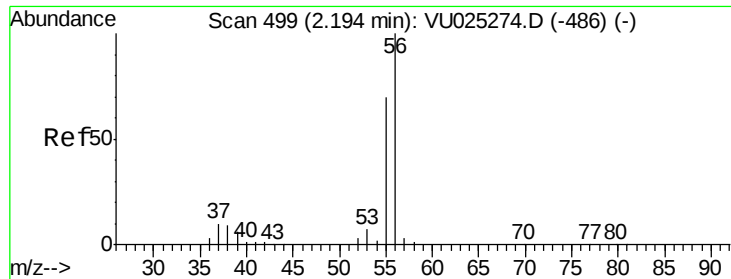


#12

1,1-Dichloroethene
Concen: 49.06 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	140.2	210.4
98	65.7	49.3	73.9





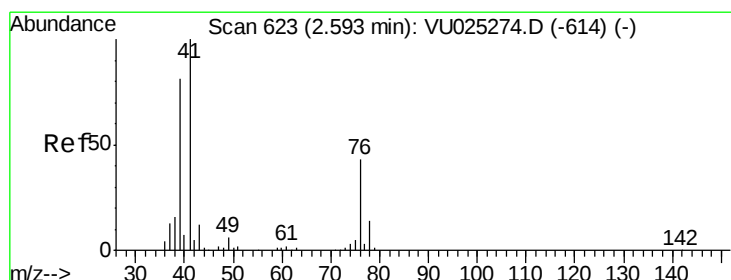
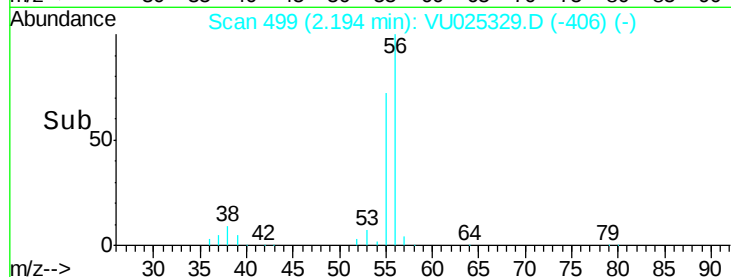
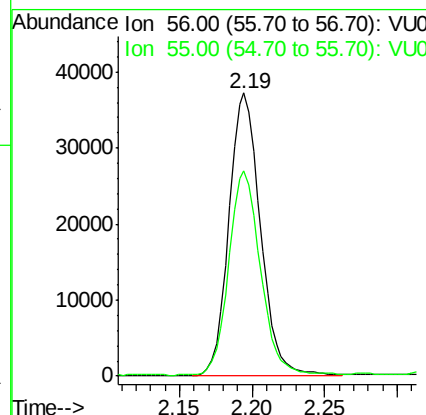
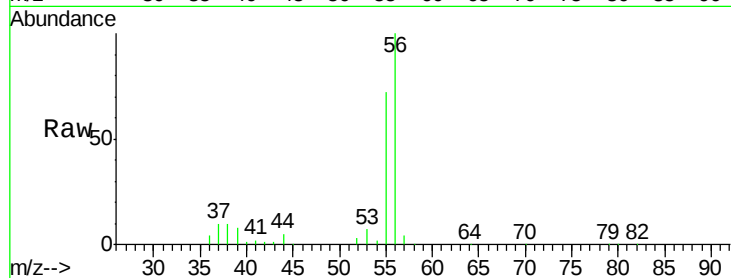
#13
Acrolein
Concen: 145.57 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	72.8		57.2	85.8	

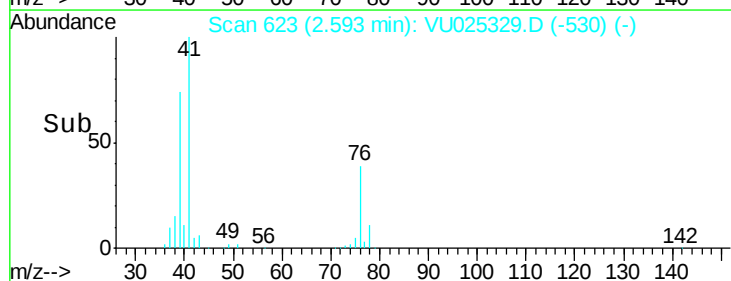
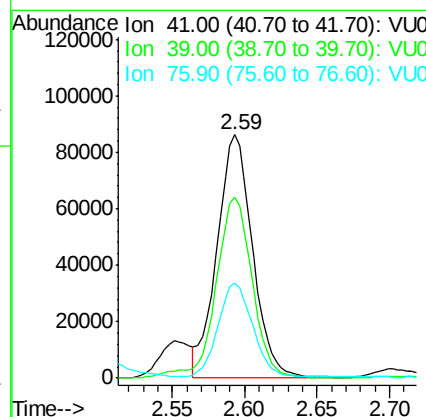
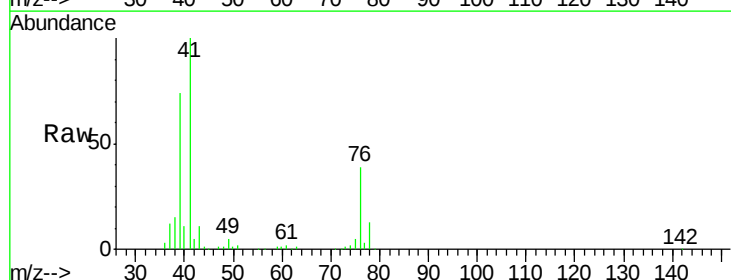
Manual Integrations
APPROVED

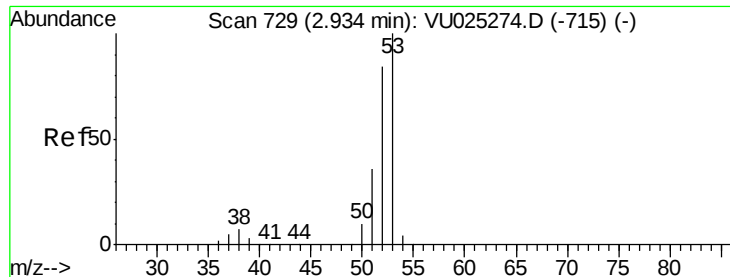
MMDadoda
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#14
Allyl chloride
Concen: 46.67 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	76.0			60.6	91.0	
76	38.0			30.5	45.7	





#15

Acrylonitrile

Concen: 271.35 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

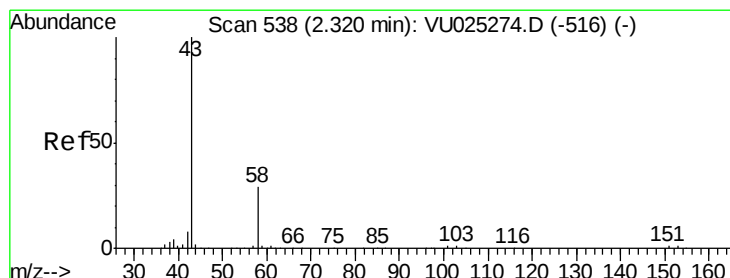
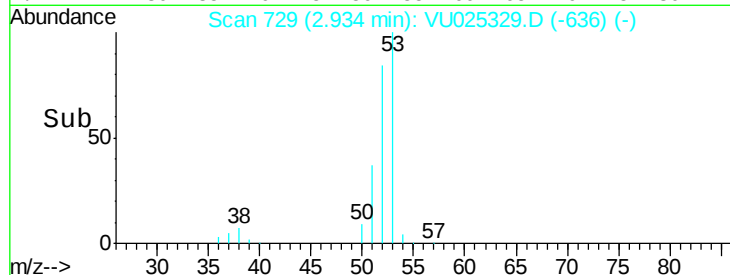
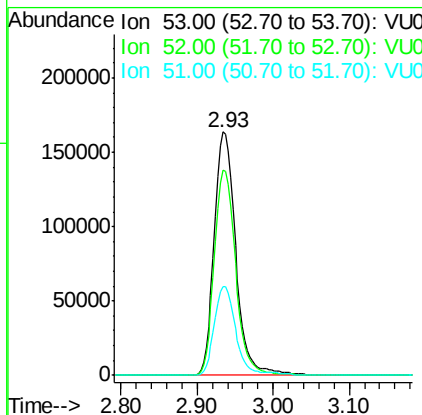
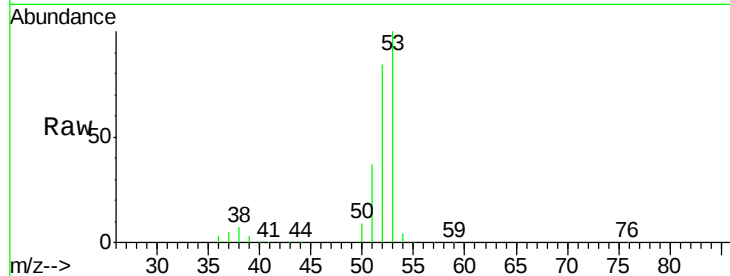
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	53	Resp:	323157
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	36.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 224.06 ug/l

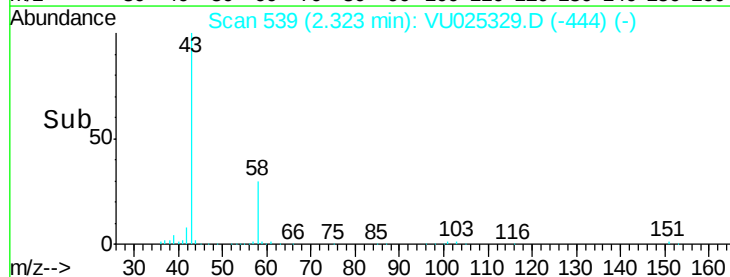
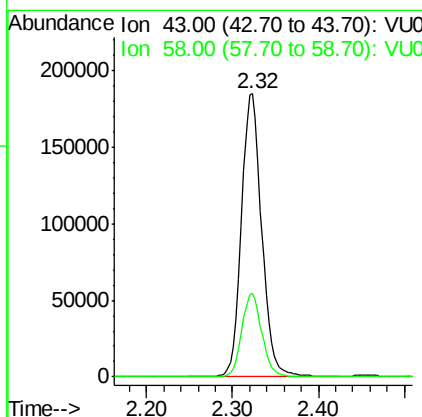
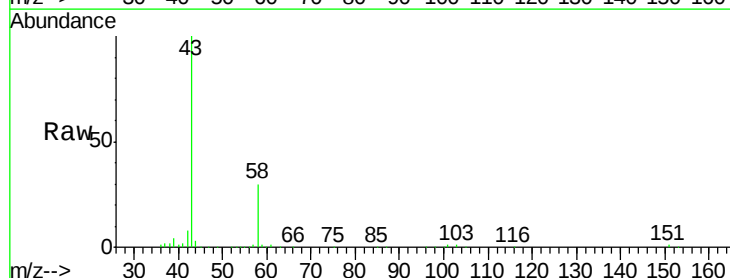
RT: 2.32 min Scan# 539

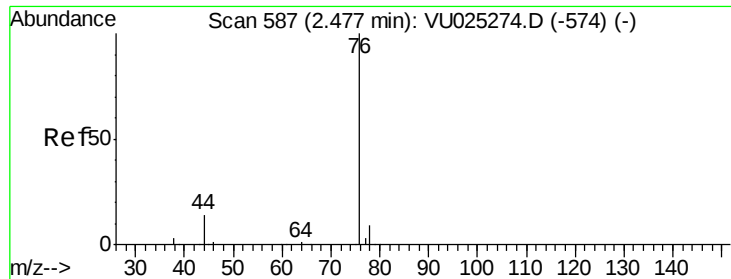
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	43	Resp:	302903
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.1	34.7





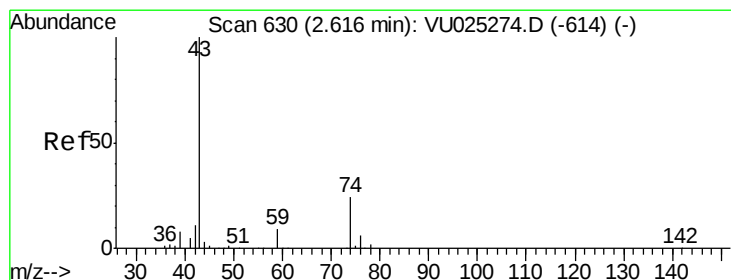
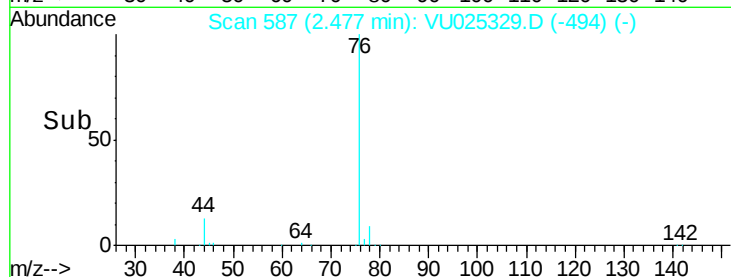
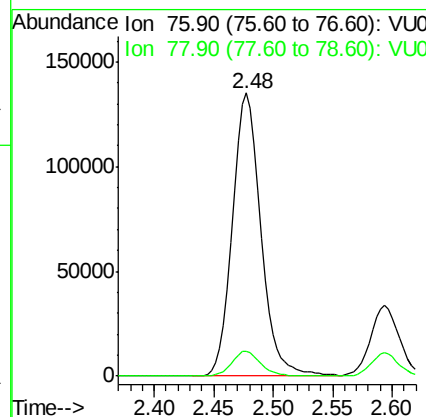
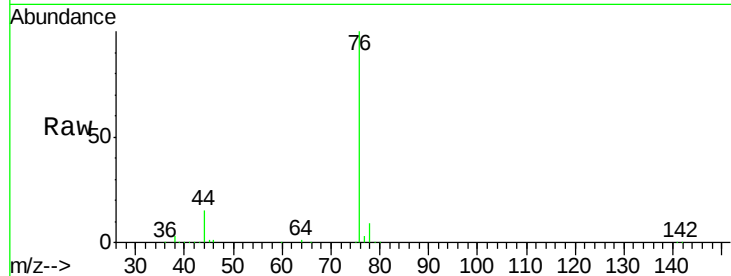
#17
Carbon Disulfide
Concen: 44.66 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

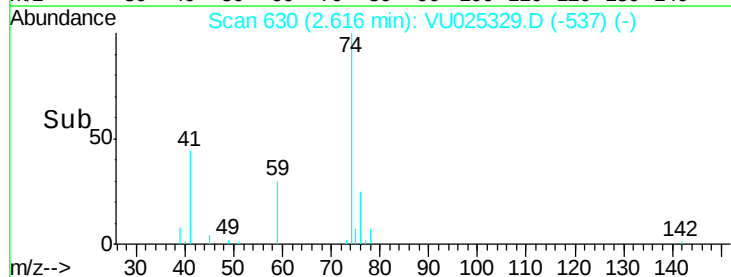
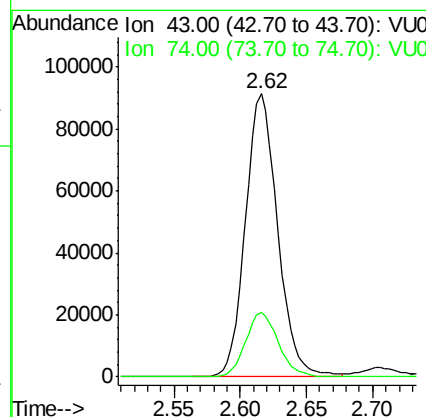
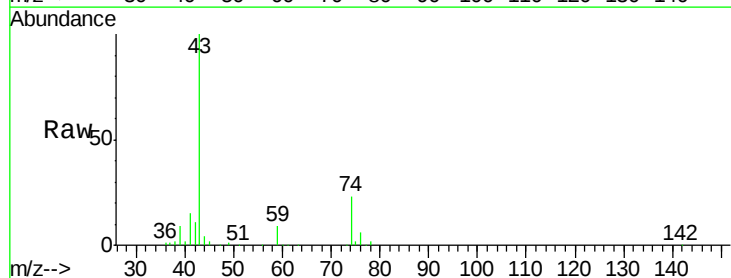
Manual Integrations
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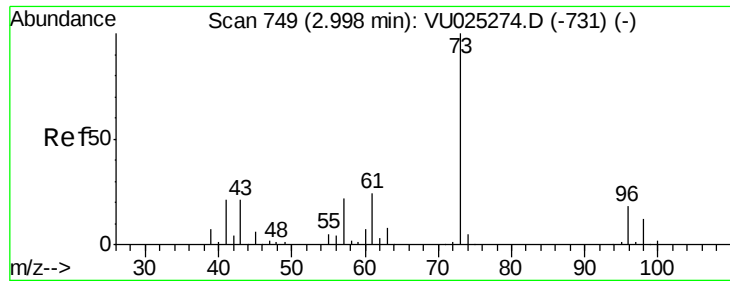
MMDadoda
7/12/2018 11:04:22 AM



#18
Methyl Acetate
Concen: 56.42 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.5	27.7





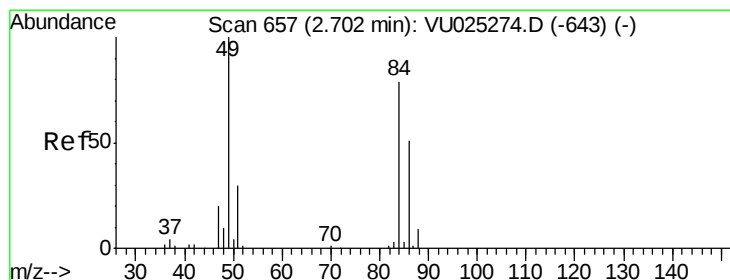
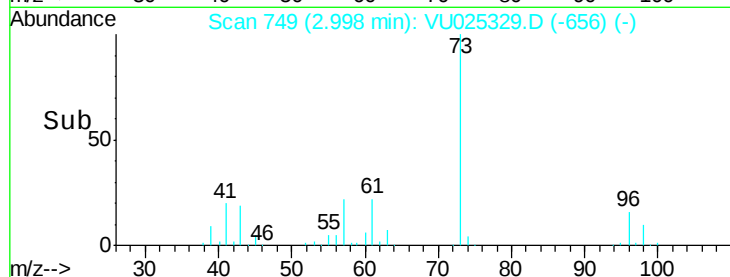
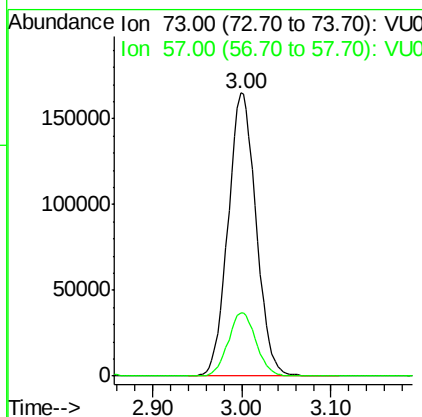
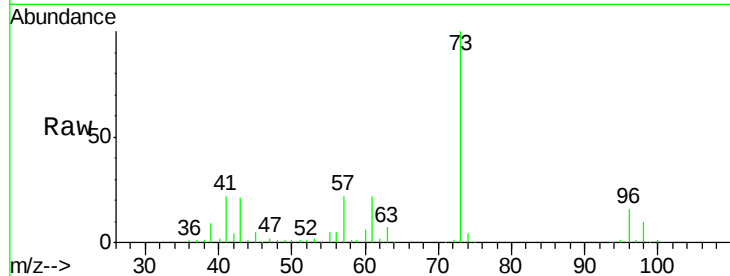
#19
Methvl tert-butvl Ether
Concen: 54.39 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion: 73 Resp: 358390
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.2

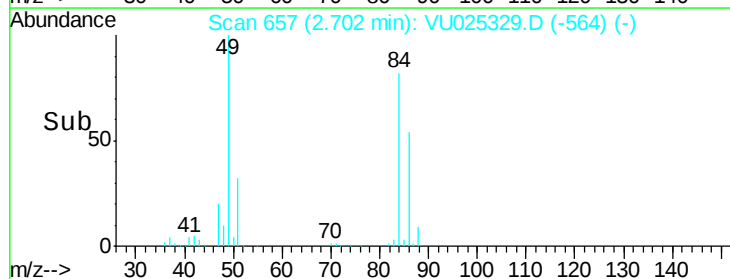
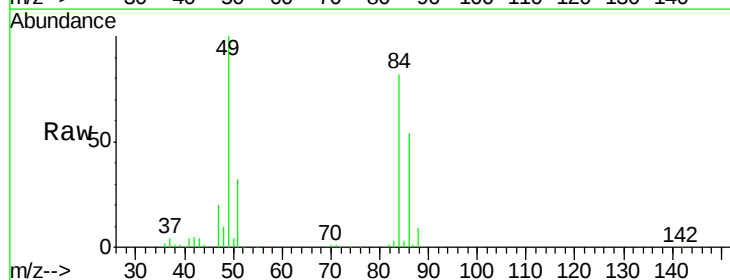
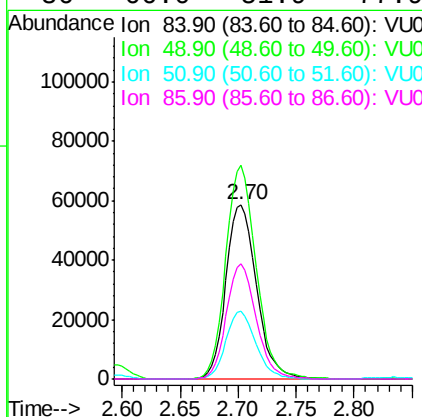
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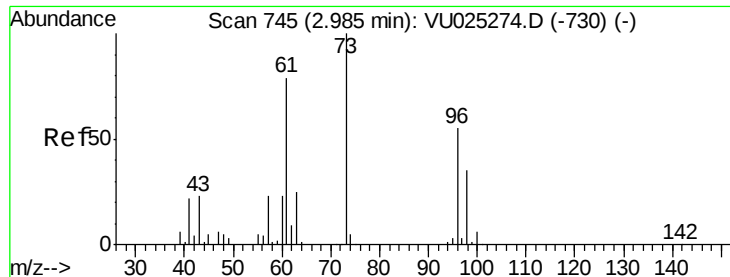
MMDadoda
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#20
Methylene Chloride
Concen: 52.39 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion: 84 Resp: 107700
Ion Ratio Lower Upper
84 100
49 122.6 101.8 152.6
51 39.1 30.8 46.2
86 66.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.68 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

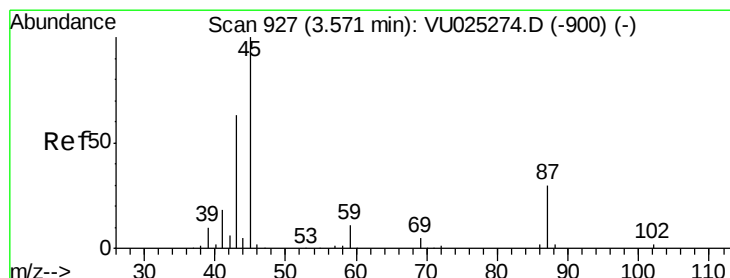
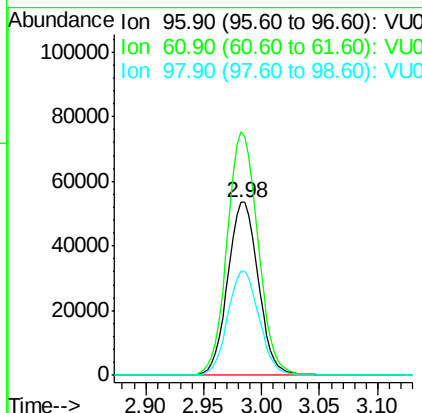
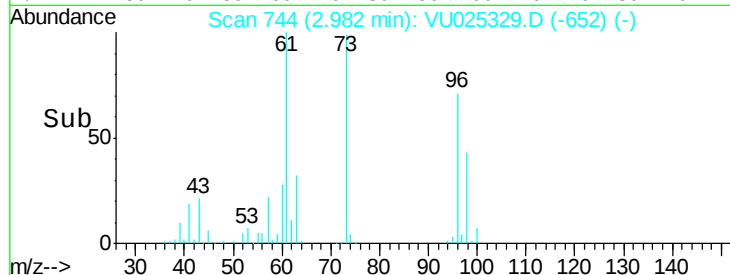
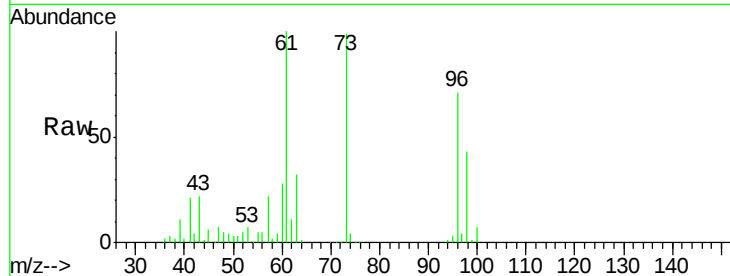
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	96	Resp:	98361
Ion	Ratio	Lower	Upper
96	100		
61	140.8	114.5	171.7
98	60.1	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.44 ug/l

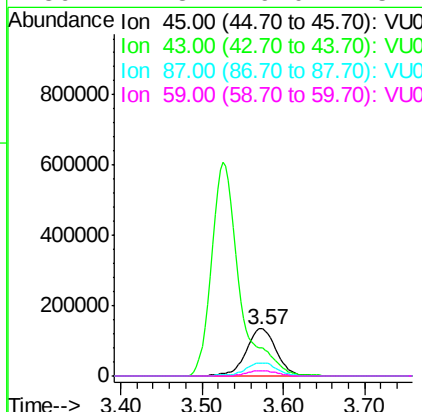
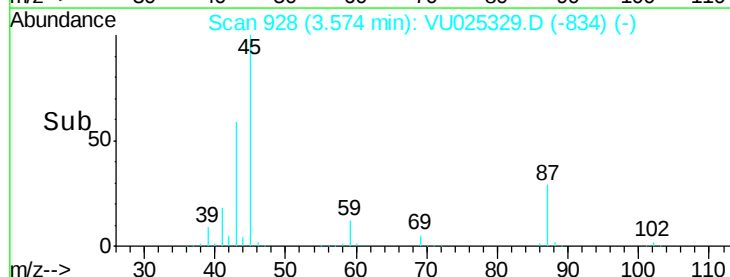
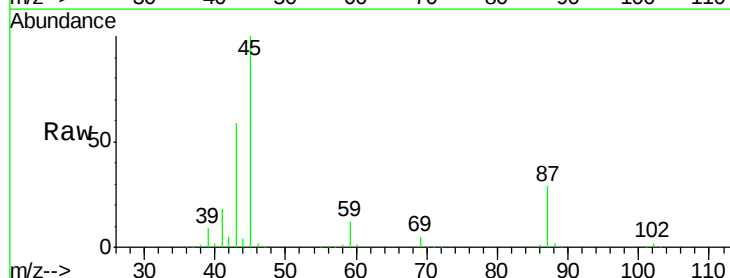
RT: 3.57 min Scan# 928

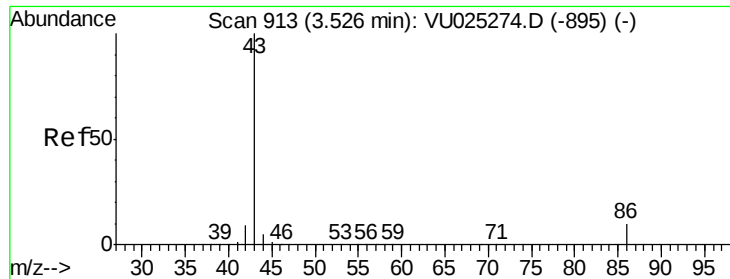
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	45	Resp:	342920
Ion	Ratio	Lower	Upper
45	100		
43	58.2	50.9	76.3
87	28.6	23.8	35.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 259.62 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tot Ion: 43 Resp: 1461351

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

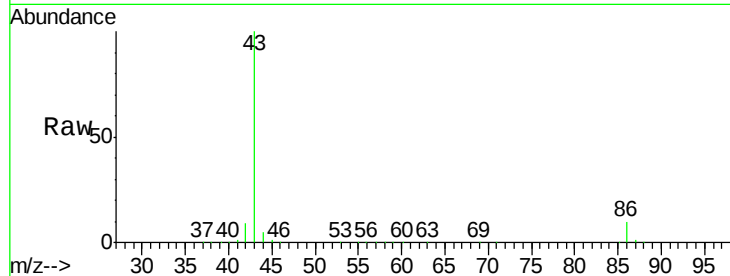
SS037MW036-180709MSD

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

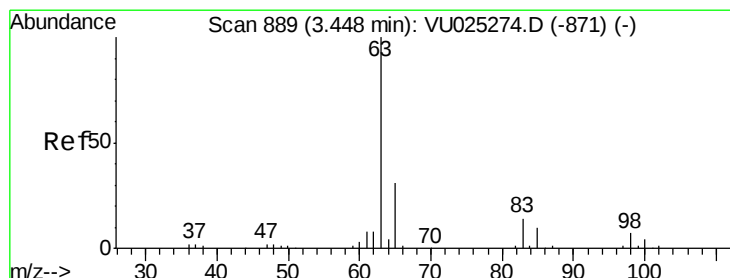
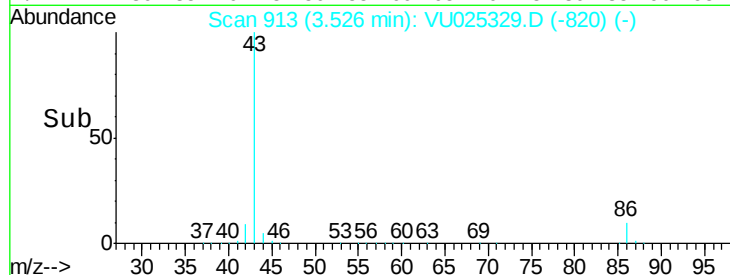
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 53.69 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

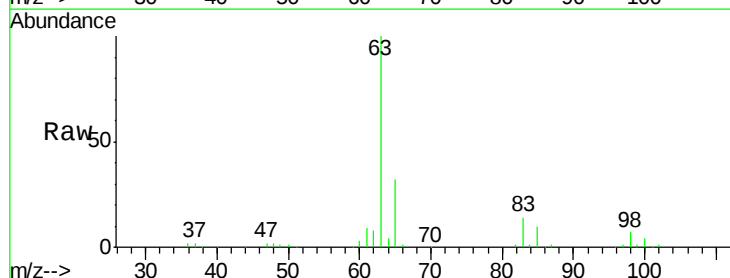
Tgt Ion: 63 Resp: 194292

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.3 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

120000

100000

80000

60000

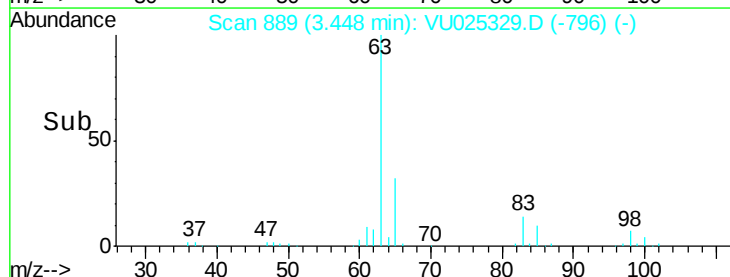
40000

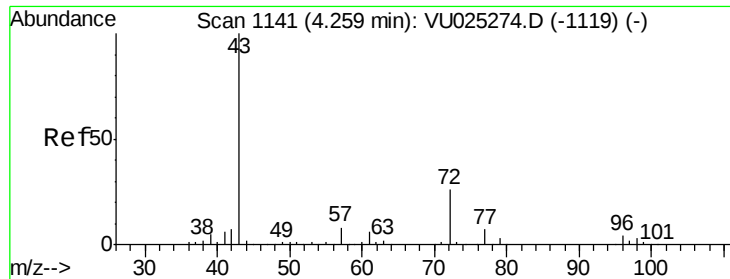
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 258.17 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 43 Resp: 475155

Ion Ratio Lower Upper

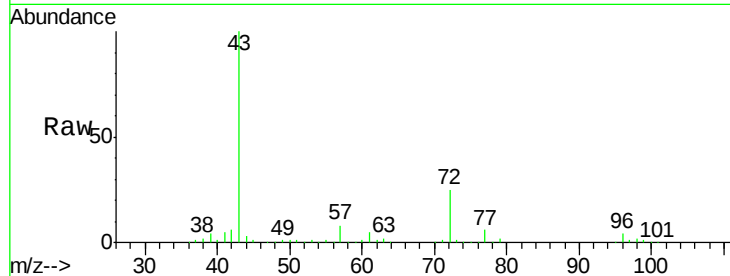
43 100

72 25.5 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

200000

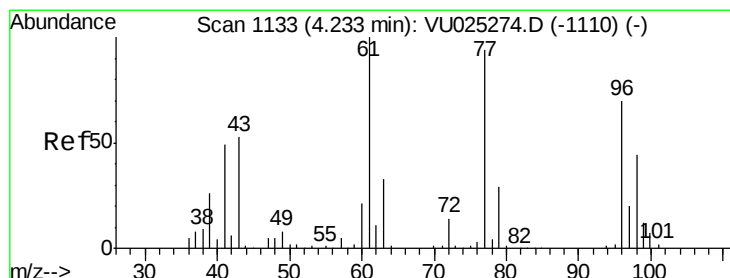
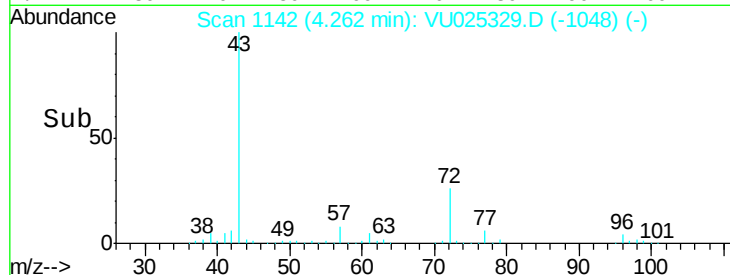
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 40.53 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025329.D

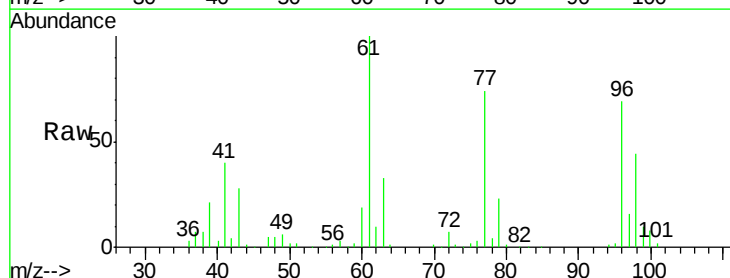
Acq: 11 Jul 2018 21:09

Tgt Ion: 77 Resp: 141012

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

60000

50000

40000

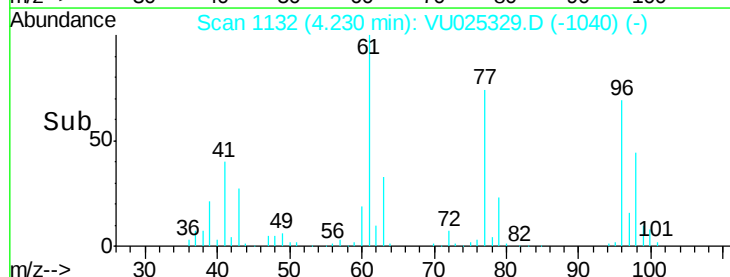
30000

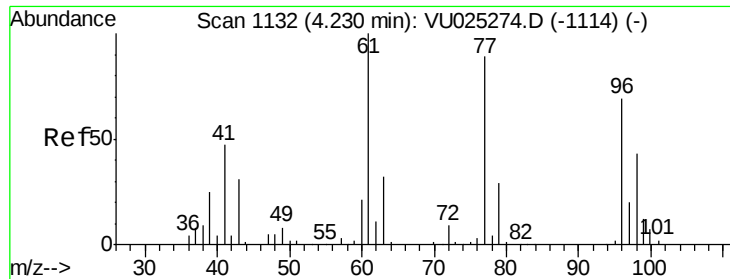
20000

10000

0

Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 51.83 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 96 Resp: 118738

Ion Ratio Lower Upper

96 100

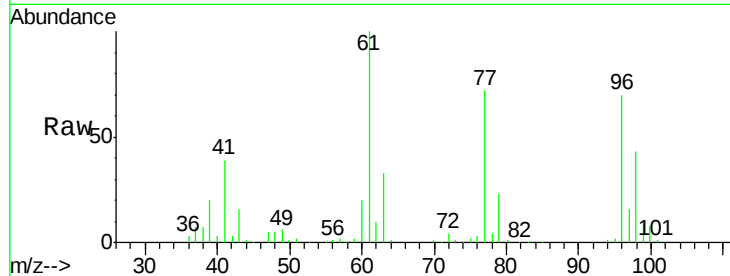
61 146.2 0.0 299.8

98 63.2 0.0 128.6

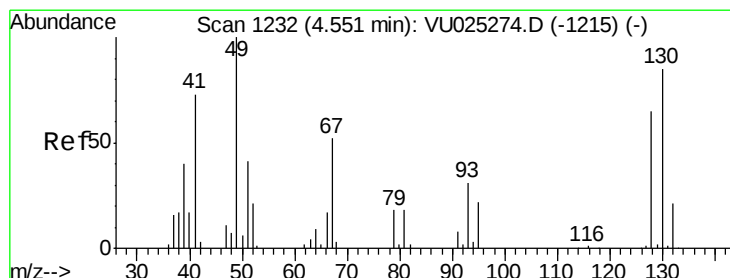
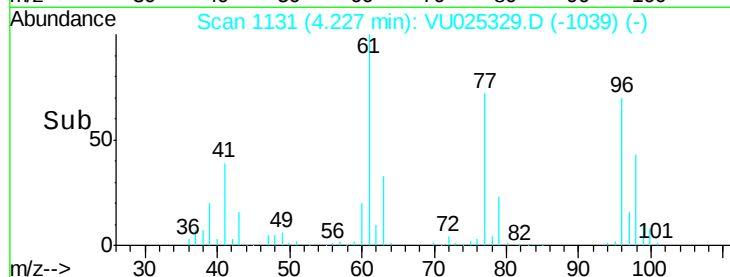
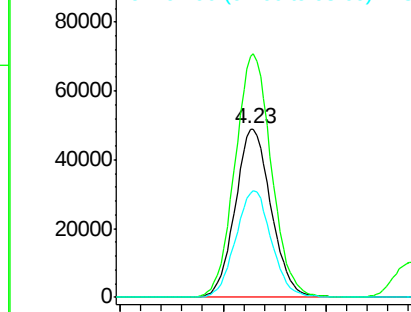
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 51.91 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

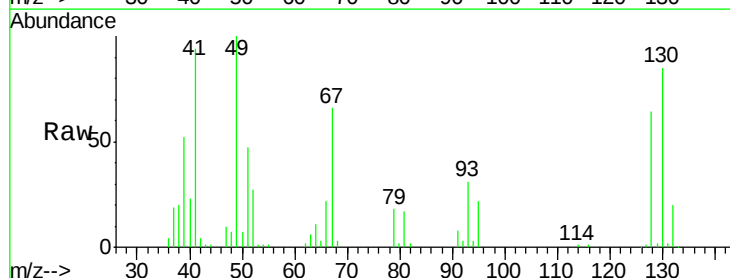
Tgt Ion: 49 Resp: 90701

Ion Ratio Lower Upper

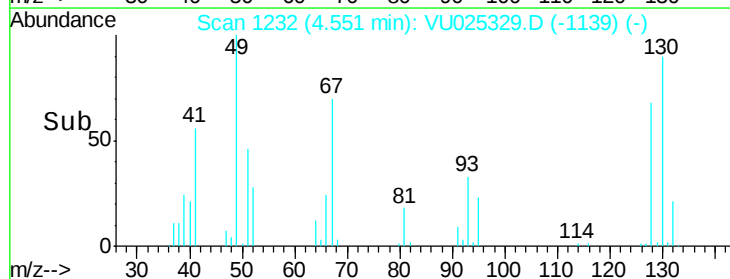
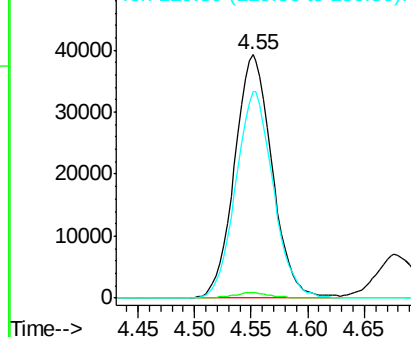
49 100

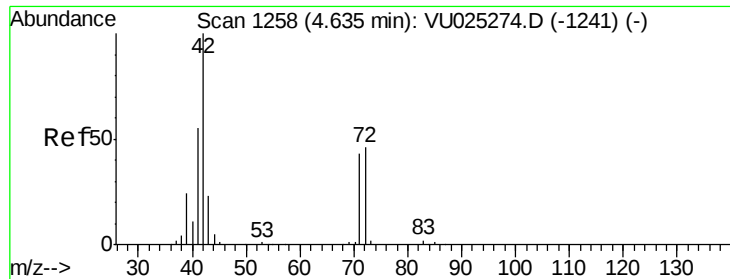
129 2.2 0.0 4.6

130 84.7 68.6 102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





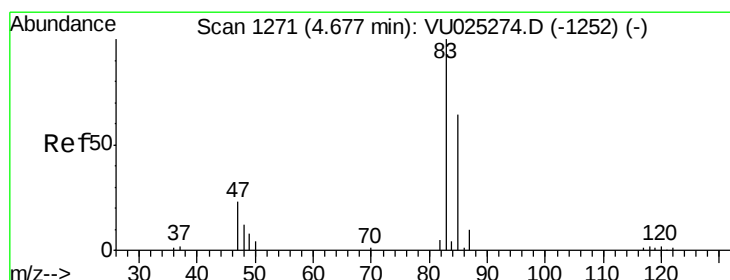
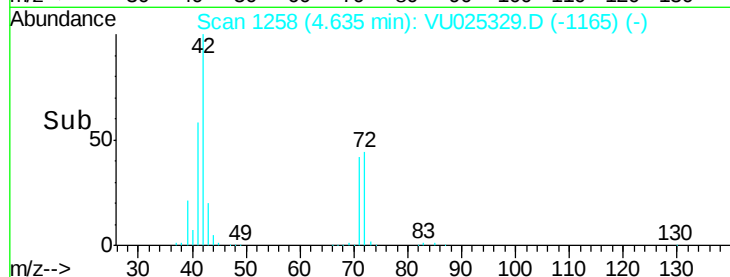
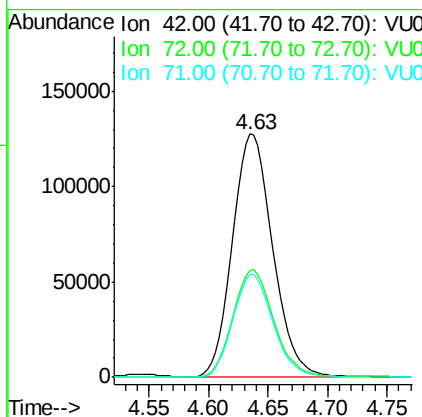
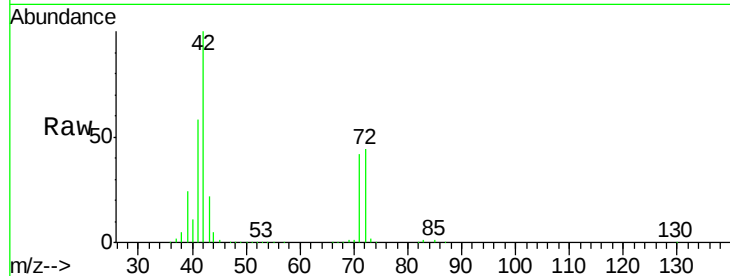
#29
Tetrahydrofuran
Concen: 270.37 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.7	55.1
71	42.2	33.9	50.9

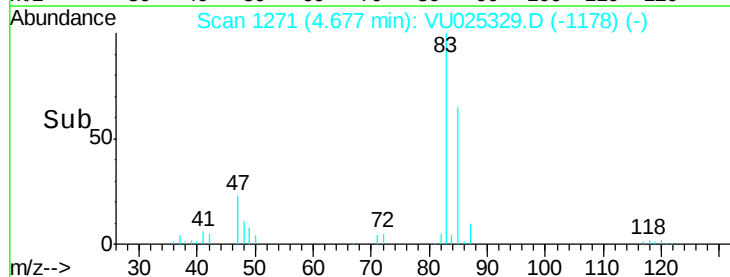
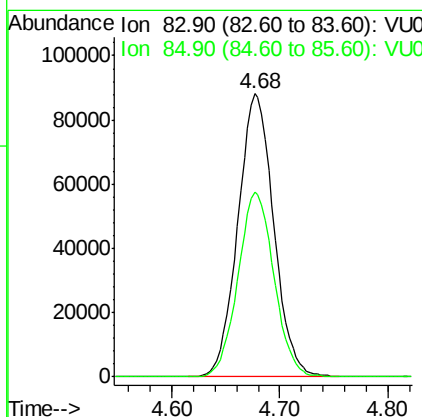
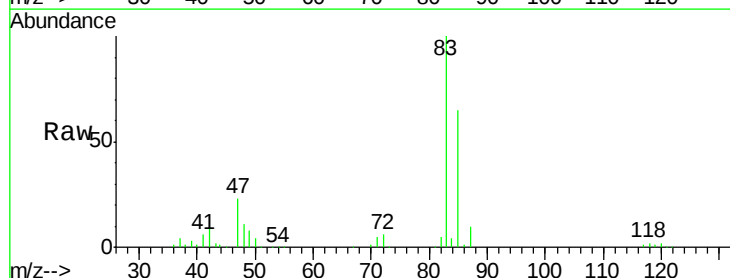
Manual Integrations
APPROVED

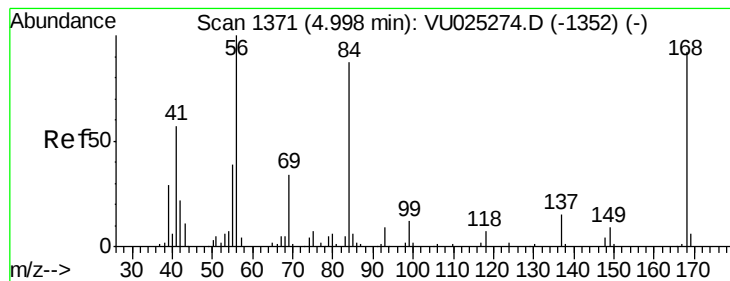
MMDadoda
7/12/2018 11:04:22 AM



#30
Chloroform
Concen: 53.18 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





#31

Cyclohexane

Concen: 49.23 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 56 Resp: 165073

Ion Ratio Lower Upper

56 100

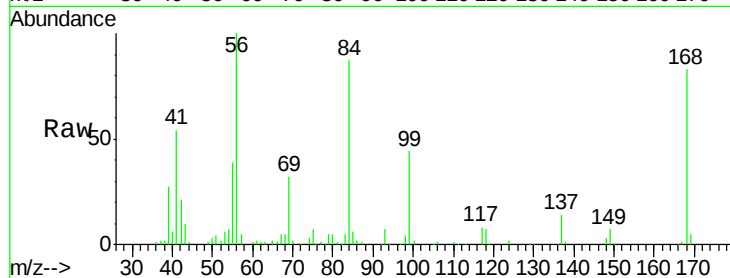
69 32.5 26.8 40.2

84 86.3 69.7 104.5

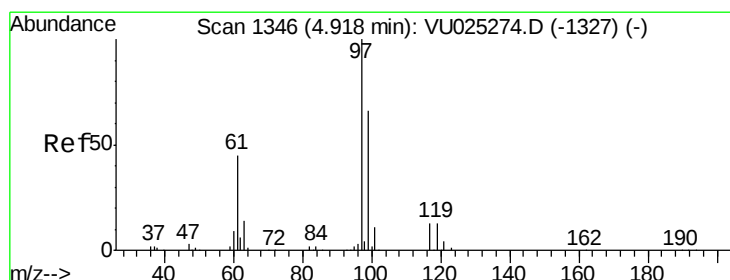
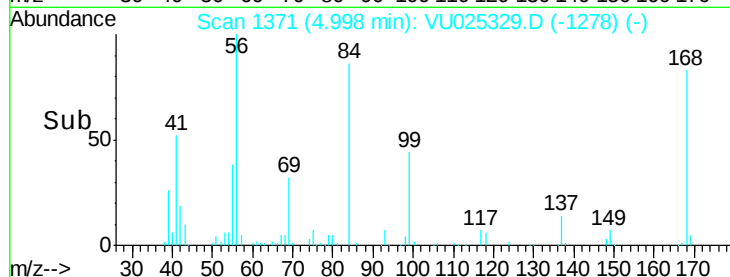
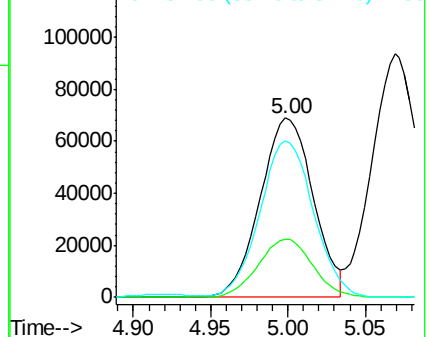
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 53.10 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

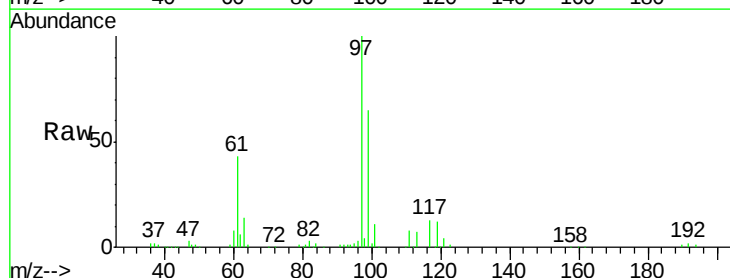
Tgt Ion: 97 Resp: 184419

Ion Ratio Lower Upper

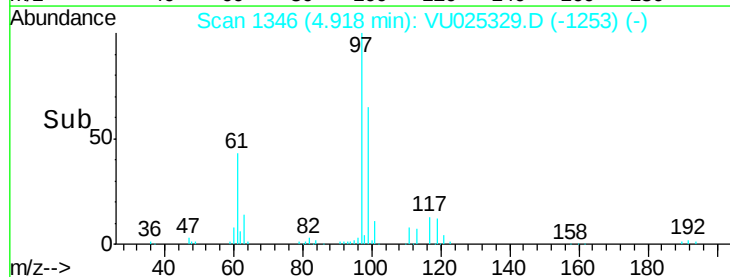
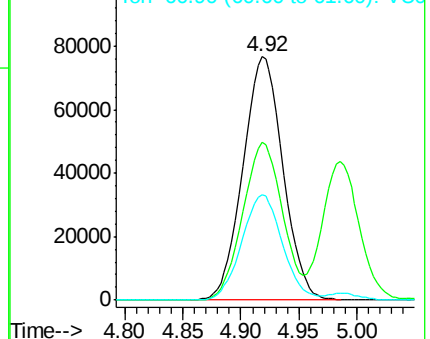
97 100

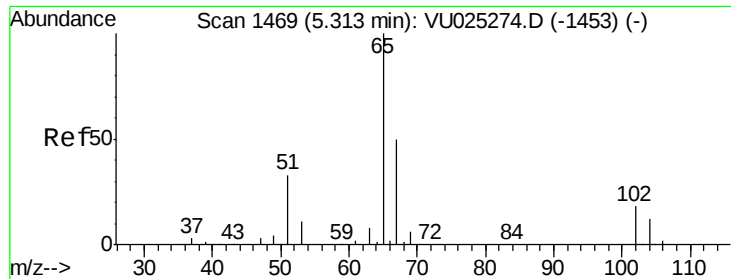
99 64.1 50.8 76.2

61 43.9 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 46.46 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 65 Resp: 123374

Ion Ratio Lower Upper

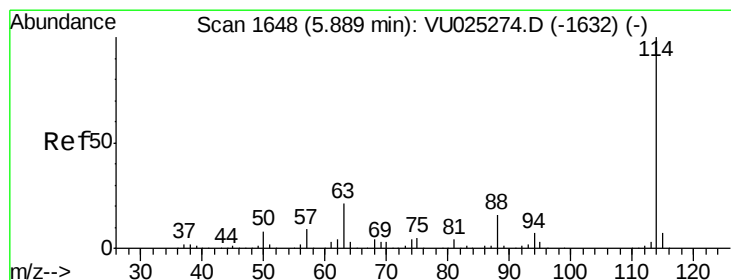
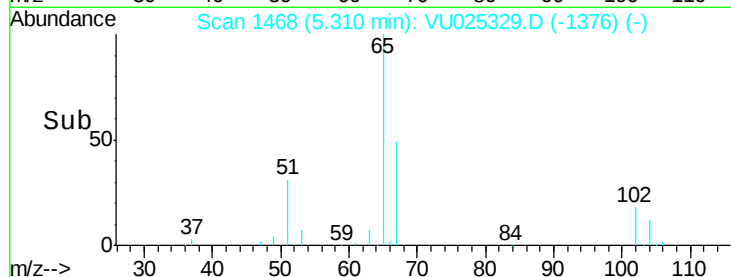
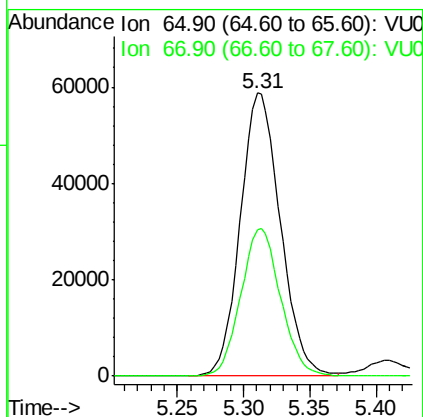
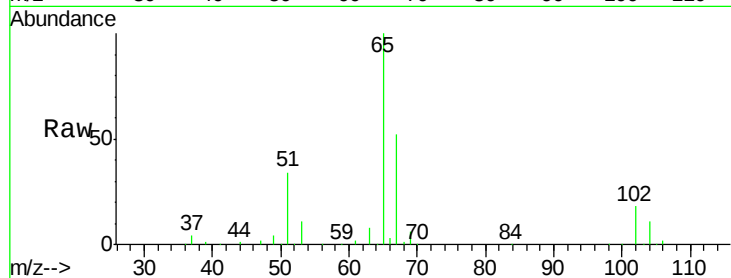
65 100

67 51.9 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

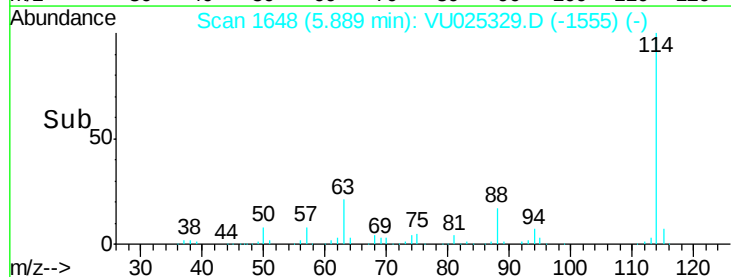
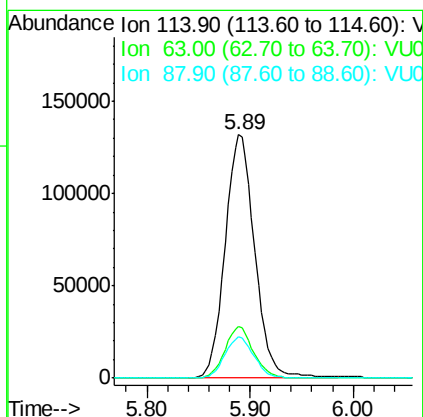
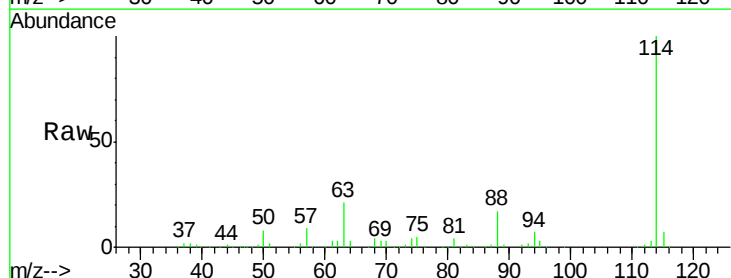
Tgt Ion: 114 Resp: 264253

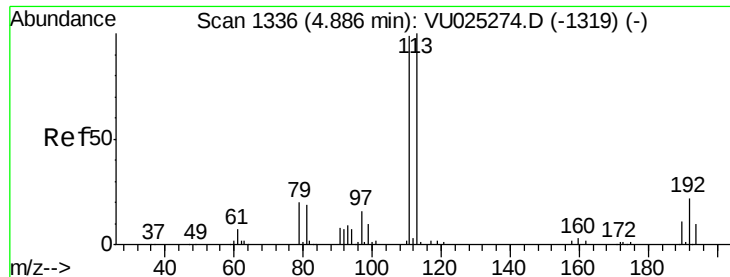
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

88 16.8 0.0 32.4





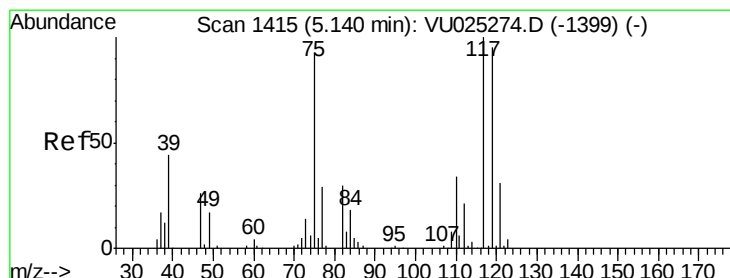
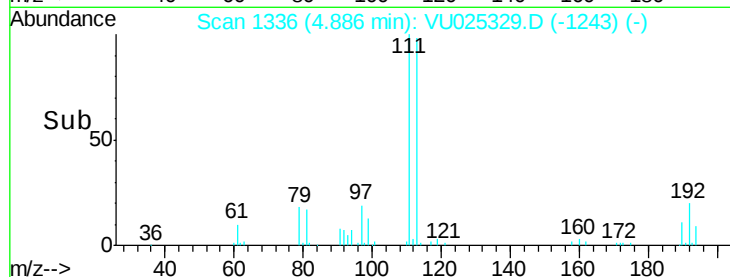
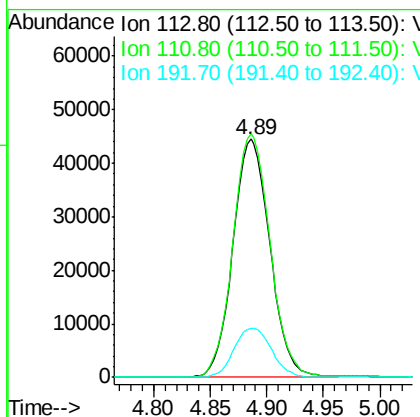
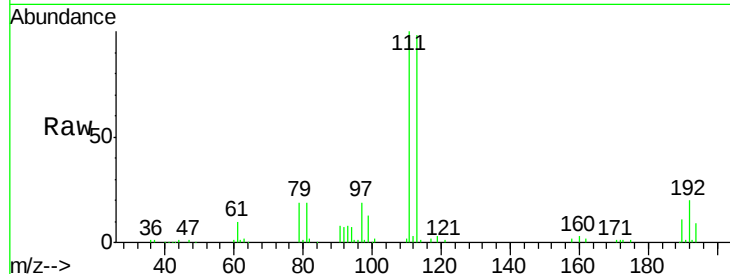
#35
 Dibromofluoromethane
 Concen: 45.47 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	20.9	17.1	25.7

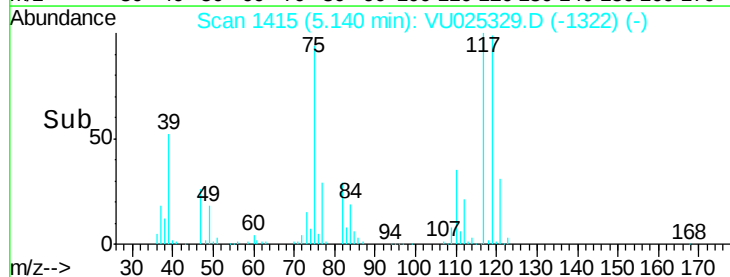
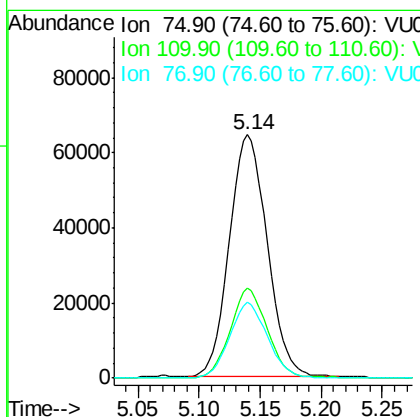
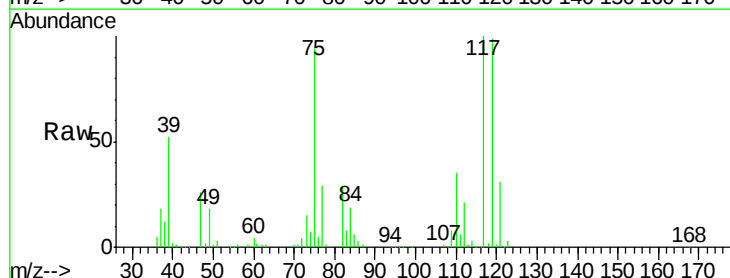
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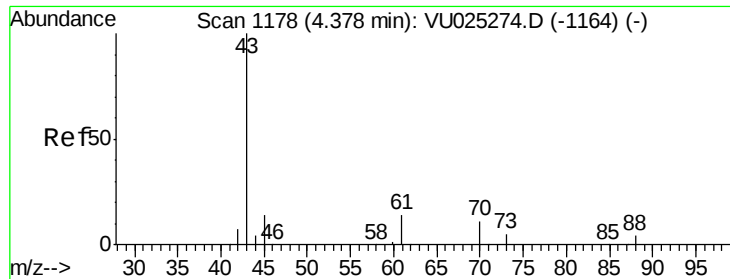
MMDadoda
 7/12/2018 11:04:22 AM



#36
 1,1-Dichloropropene
 Concen: 47.35 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.6	52.9
77	30.4	24.4	36.6





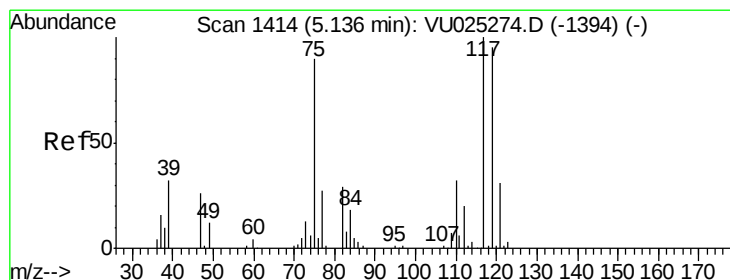
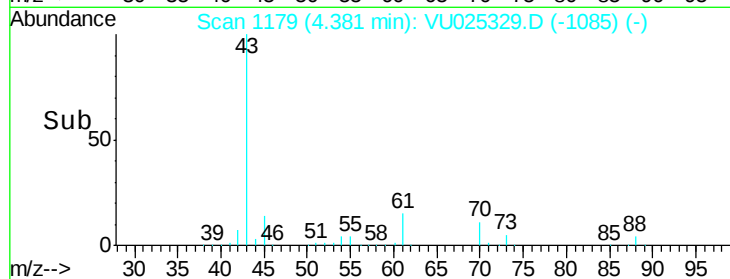
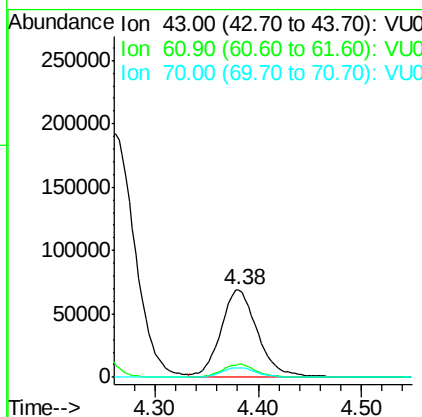
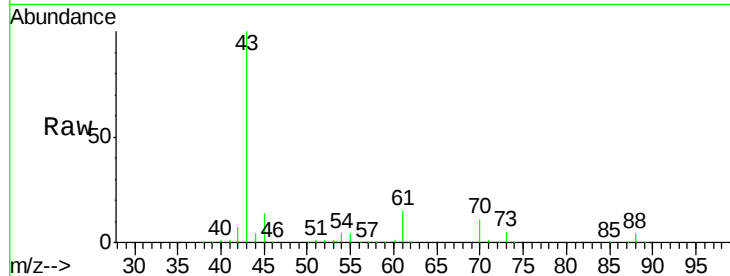
#37
Ethyl Acetate
Concen: 51.28 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	10.8	8.4	12.6

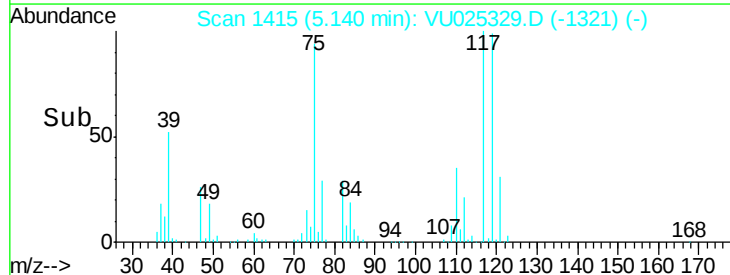
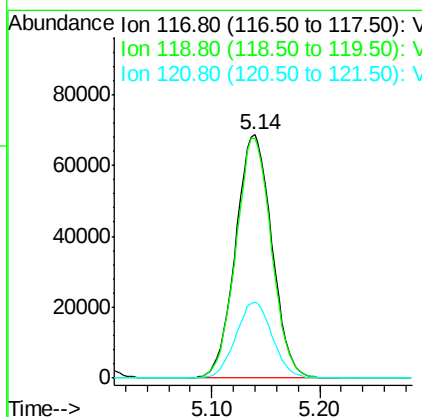
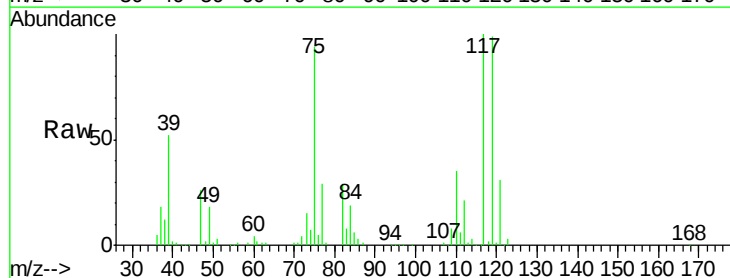
Manual Integrations
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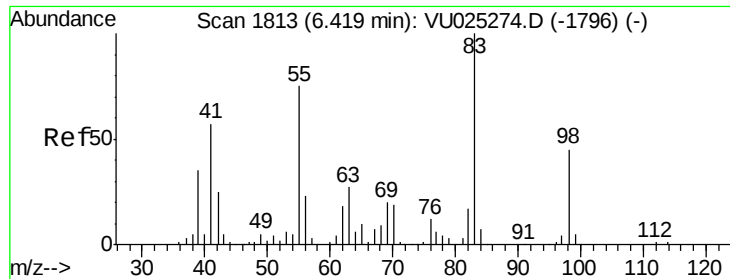
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.77 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.7	113.5
121	31.3	24.6	36.8





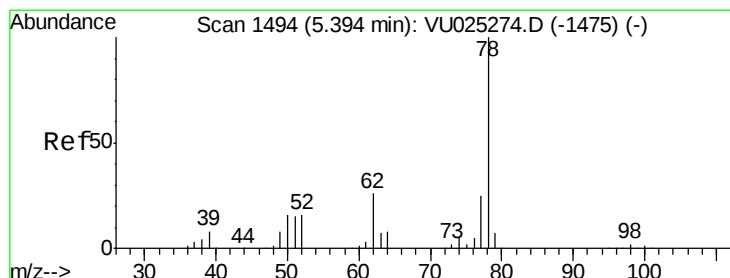
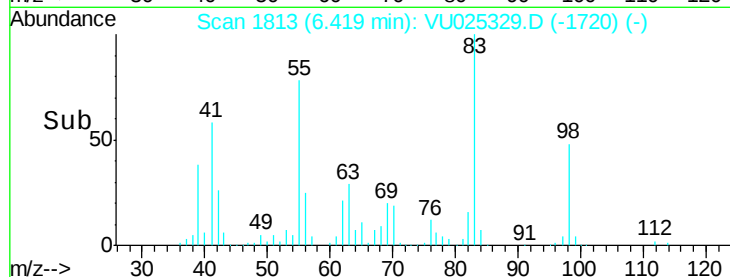
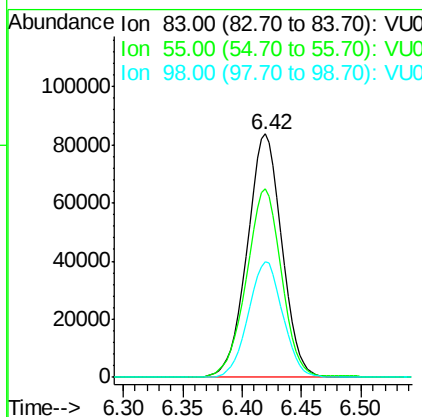
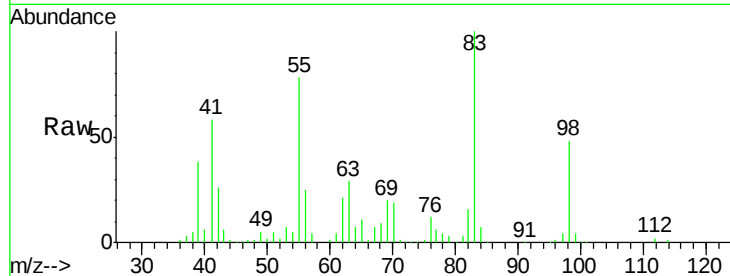
#39
Methylvlcyclohexane
Concen: 46.17 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.0	90.0
98	47.7	36.1	54.1

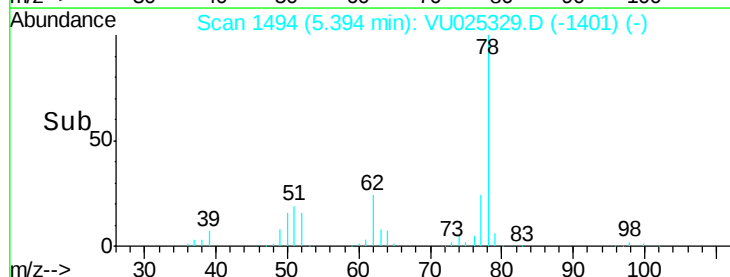
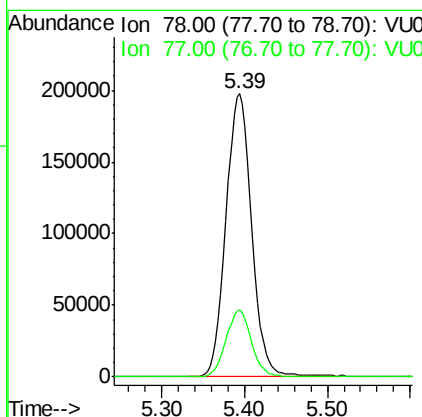
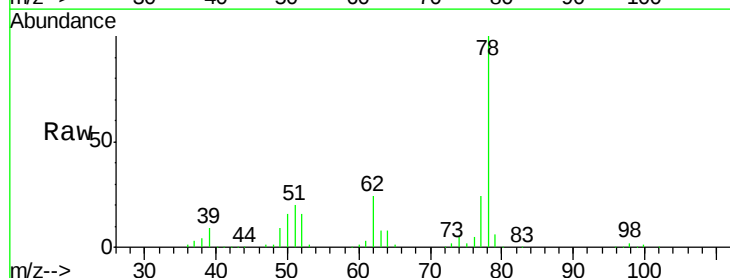
Manual Integrations
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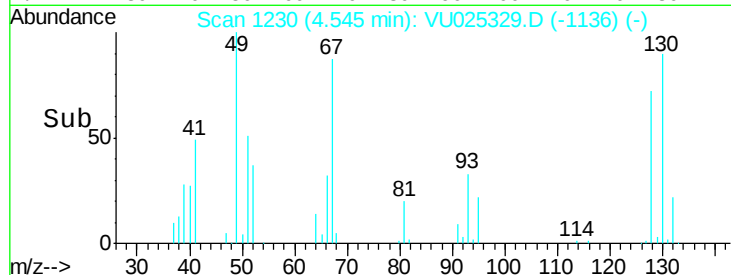
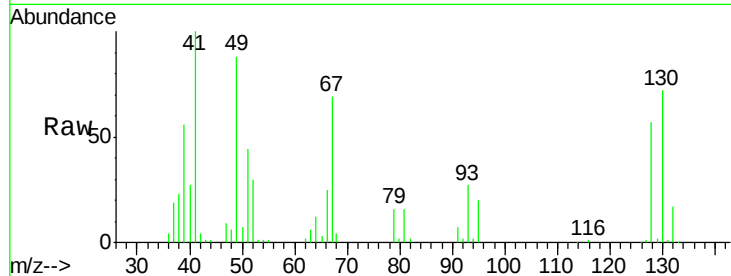
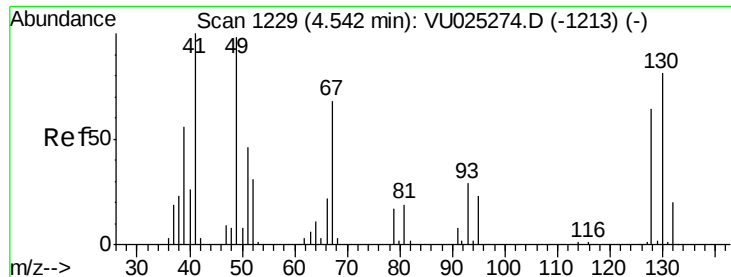
MMDadoda
7/12/2018 11:04:22 AM



#40
Benzene
Concen: 50.46 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





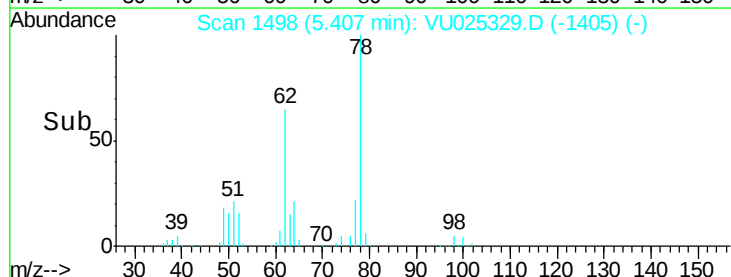
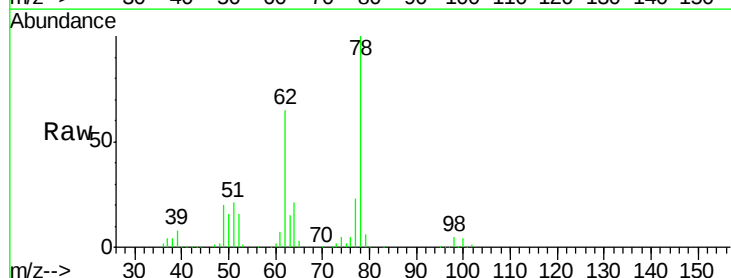
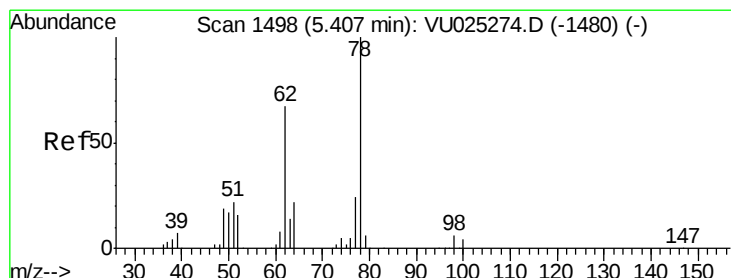
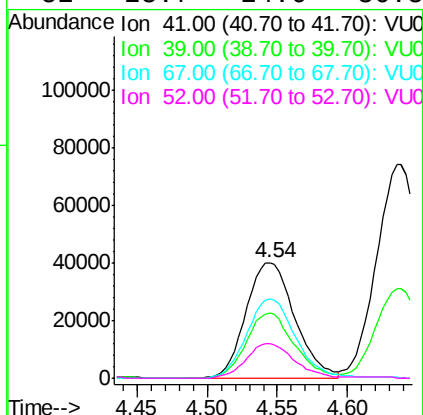
#41
Methacrylonitrile
Concen: 53.52 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	44.4	66.6	
67	69.0	56.0	84.0	
52	28.7	24.6	36.8	

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

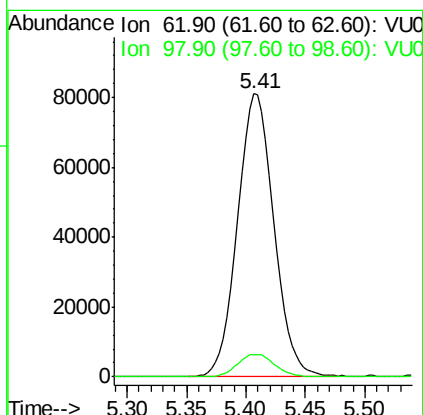
Manual Integrations
APPROVED

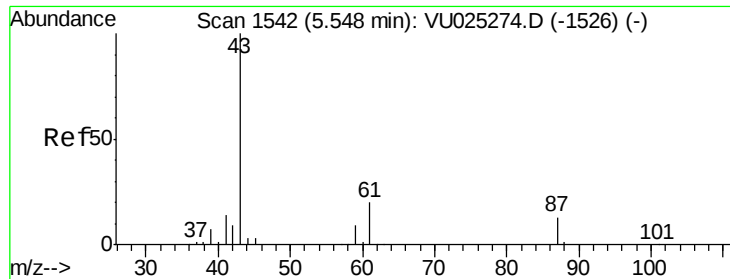
MMDadoda
7/12/2018 11:04:22 AM



#42
1,2-Dichloroethane
Concen: 51.16 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





#43

Isopropyl Acetate

Concen: 53.42 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

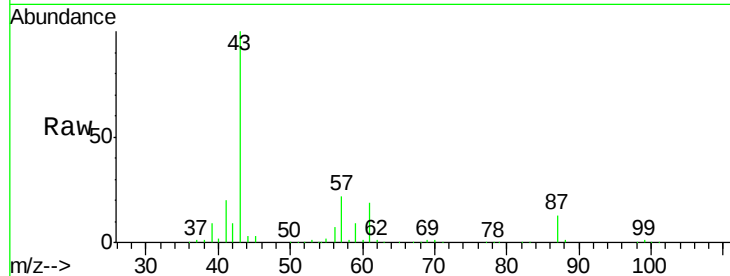
ClientSampleId :

SS037MW036-180709MSD

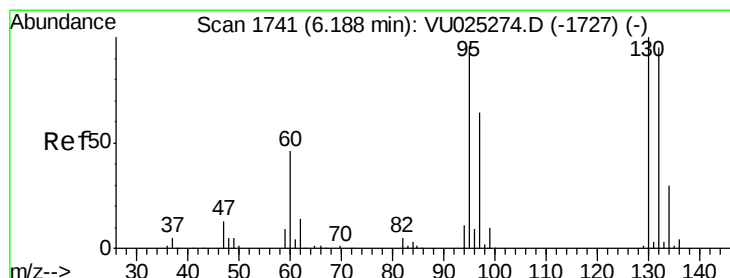
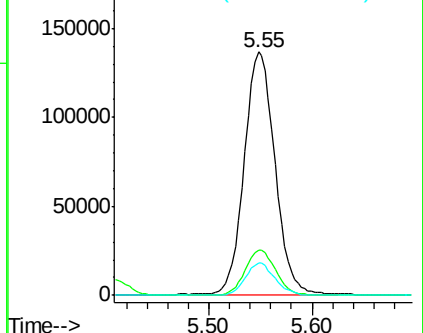
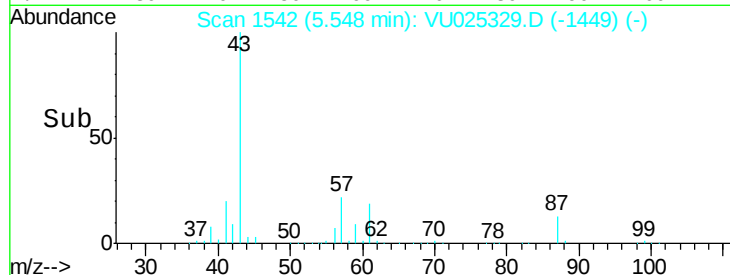
Tot Ion:	43	Resp:	280256
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	12.8	10.6	16.0

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Abundance Ion 43.00 (42.70 to 43.70): VU025329.D (-1449) (-)



#44

Trichloroethene

Concen: 47.92 ug/l

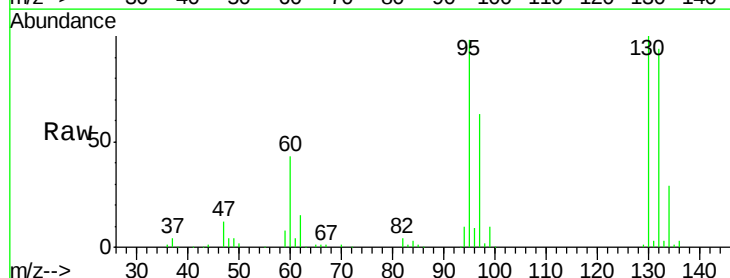
RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

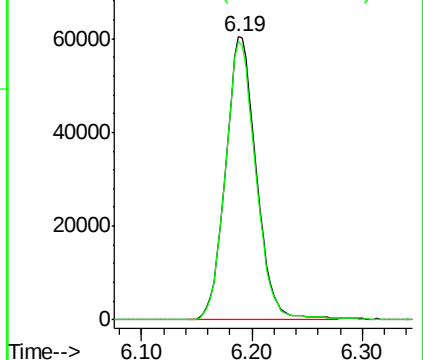
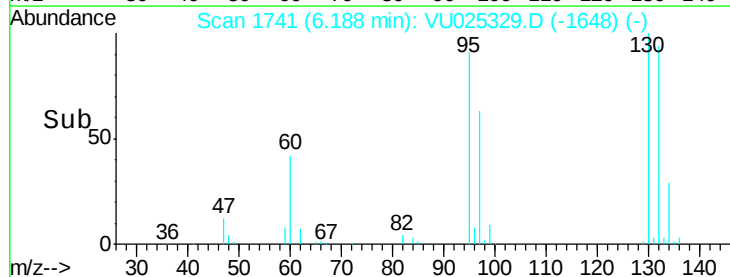
Lab File: VU025329.D

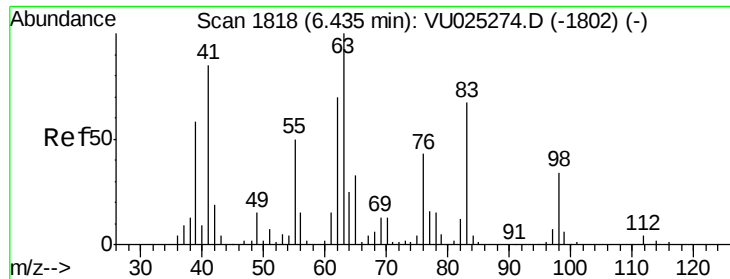
Acq: 11 Jul 2018 21:09

Tgt Ion:	130	Resp:	116486
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025329.D (-1648) (-)





#45

1,2-Dichloropropane

Concen: 51.13 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 63 Resp: 113368

Ion Ratio Lower Upper

63 100

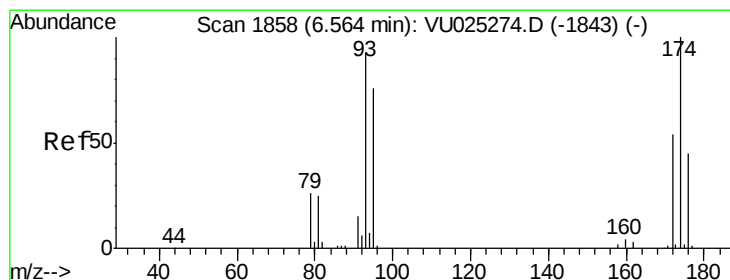
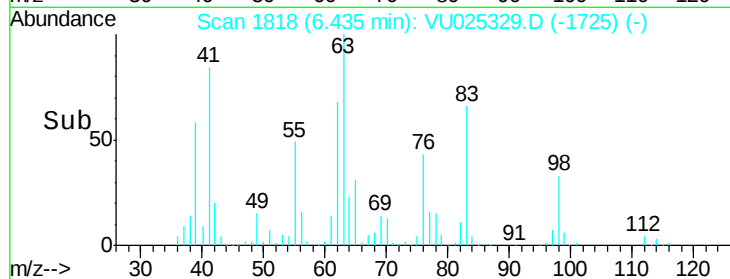
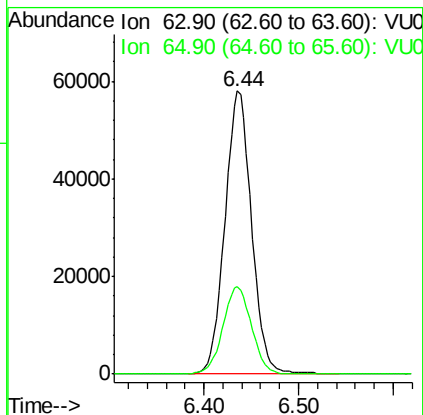
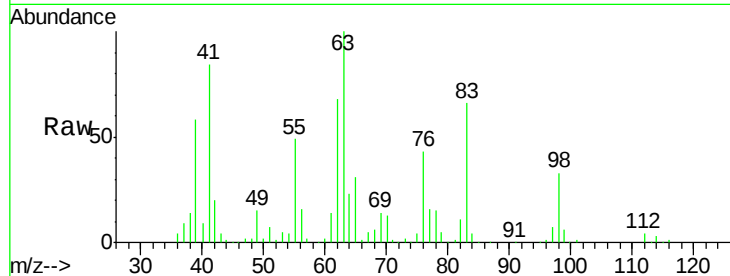
65 30.9 26.1 39.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.85 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

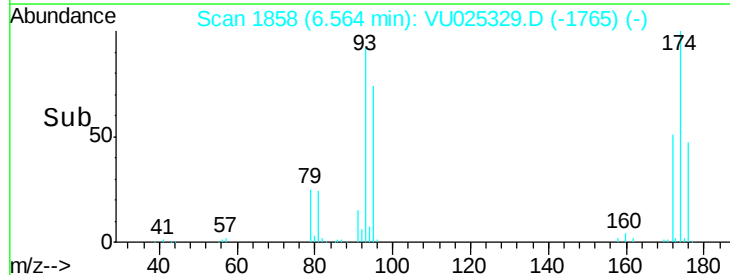
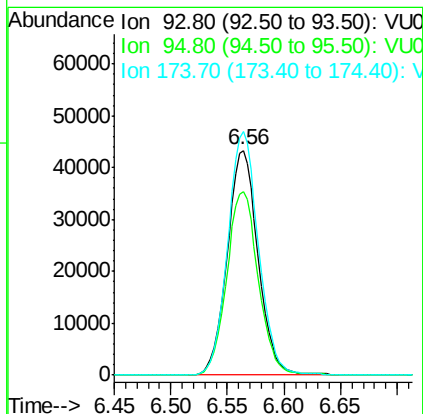
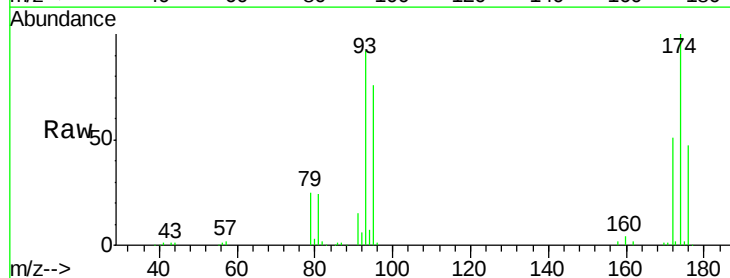
Tgt Ion: 93 Resp: 82062

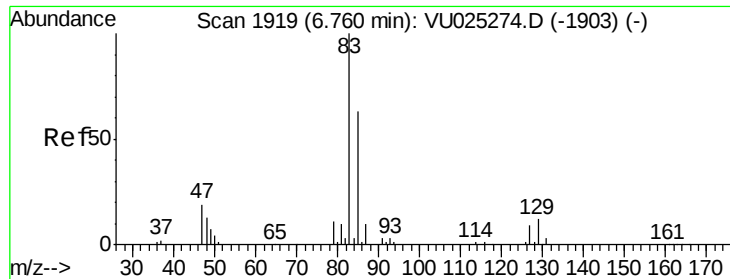
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 108.3 85.8 128.8





#47

Bromodichloromethane

Concen: 51.76 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

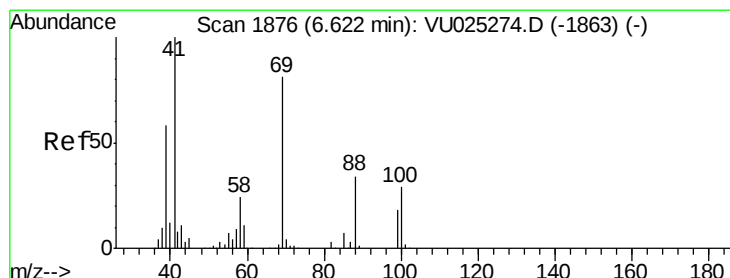
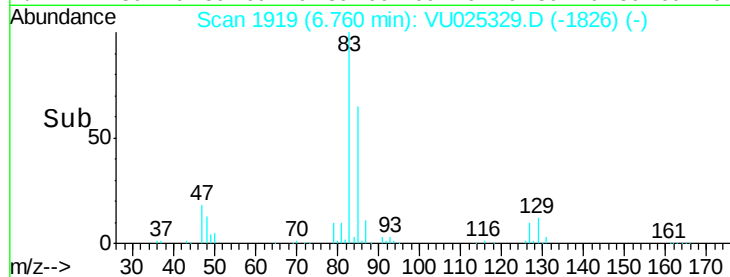
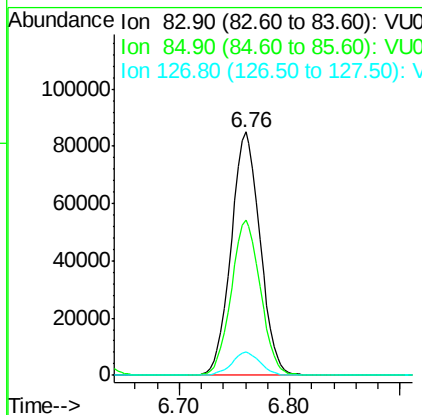
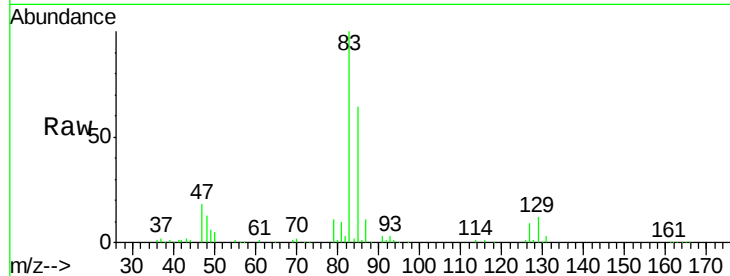
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	83	Resp:	155173
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.86 ug/l

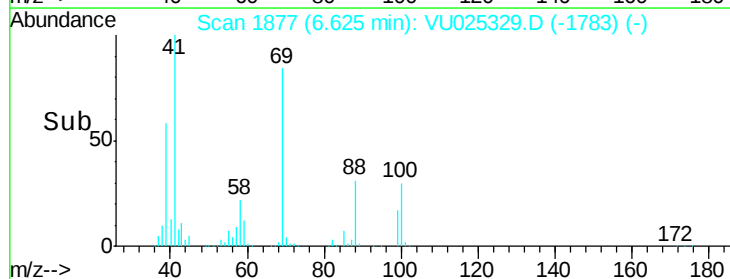
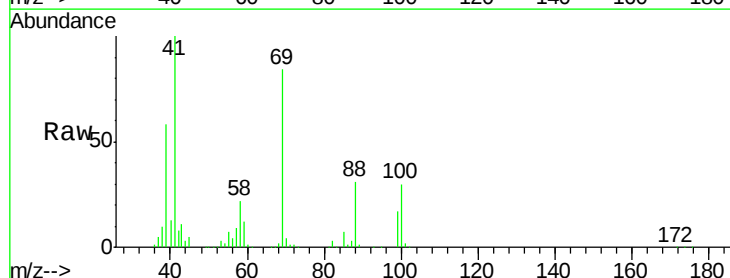
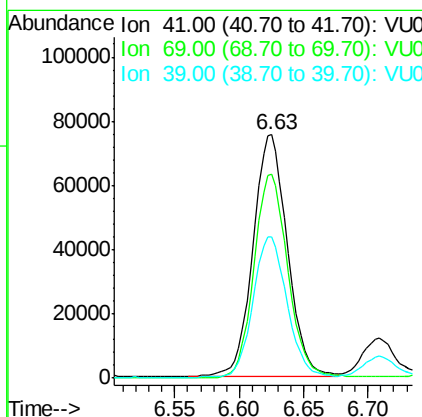
RT: 6.63 min Scan# 1877

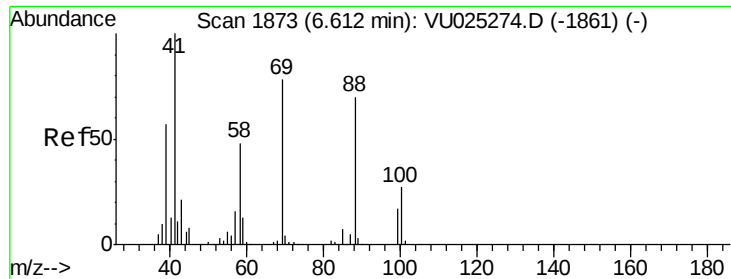
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	41	Resp:	140881
Ion	Ratio	Lower	Upper
41	100		
69	83.4	65.0	97.4
39	57.6	46.4	69.6





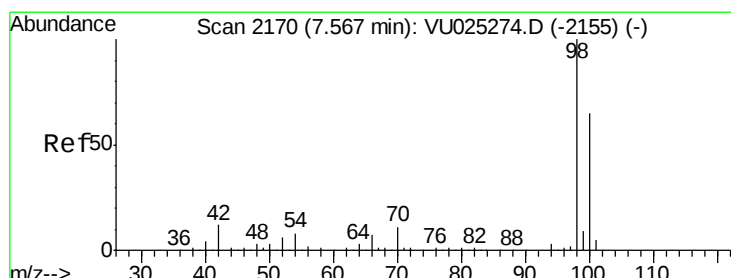
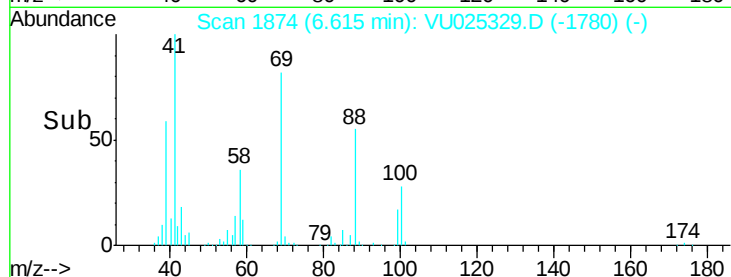
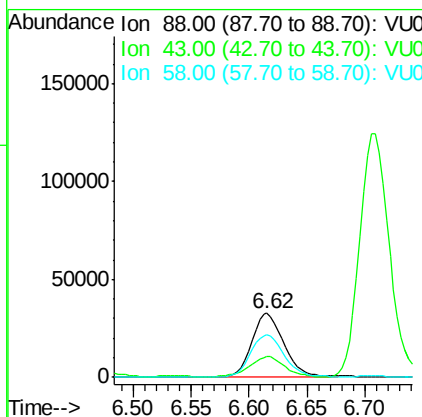
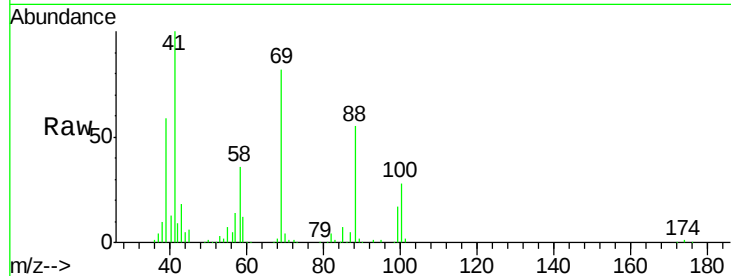
#49
1,4-Dioxane
Concen: 1014.72 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion: 88 Resp: 63863
Ion Ratio Lower Upper
88 100
43 33.9 27.3 40.9
58 70.0 57.6 86.4

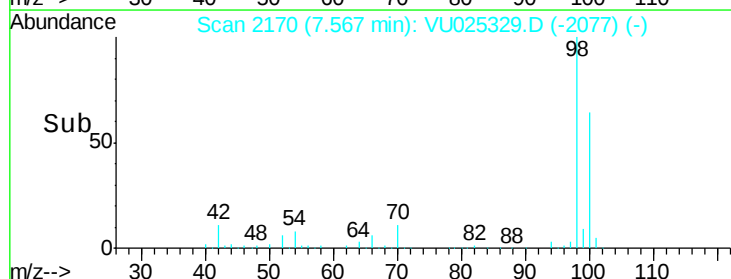
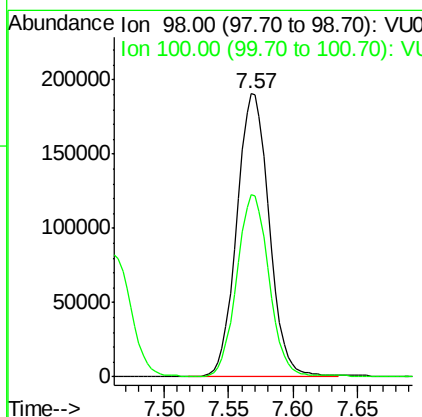
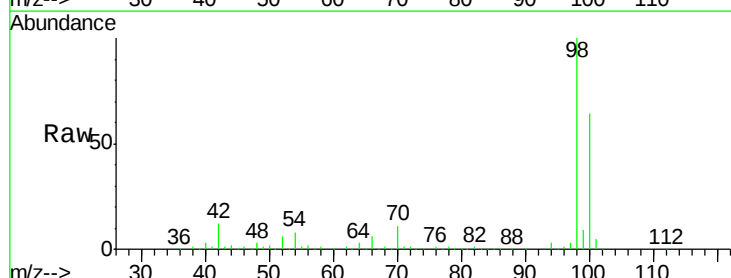
Manual Integrations
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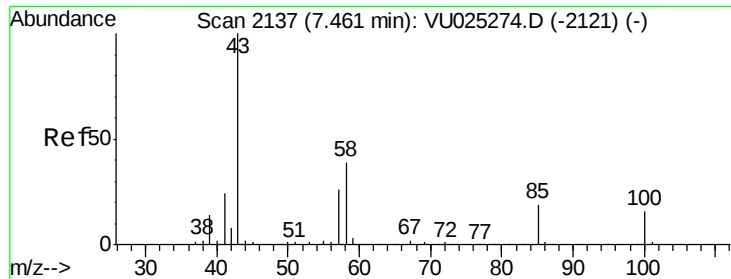
MMDadoda
7/12/2018 11:04:22 AM



#50
Toluene-d8
Concen: 43.86 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion: 98 Resp: 334823
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 266.87 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 43 Resp: 910059

Ion Ratio Lower Upper

43 100

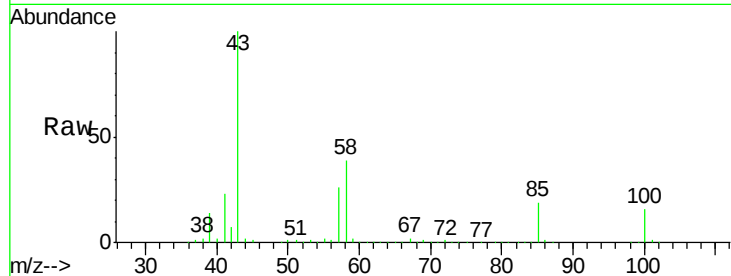
58 39.1 31.0 46.4

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

600000

500000

400000

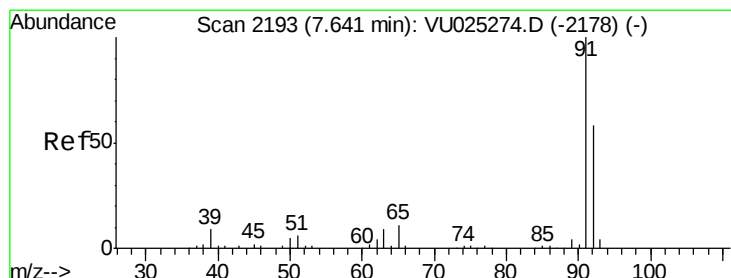
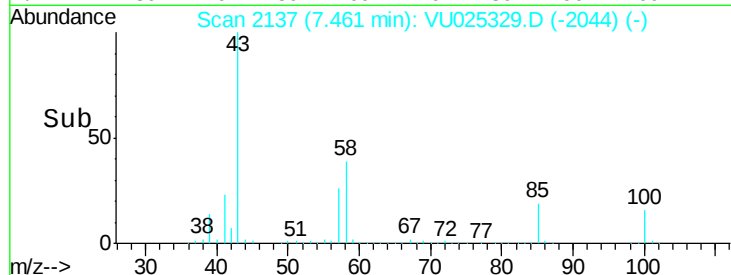
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.40 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025329.D

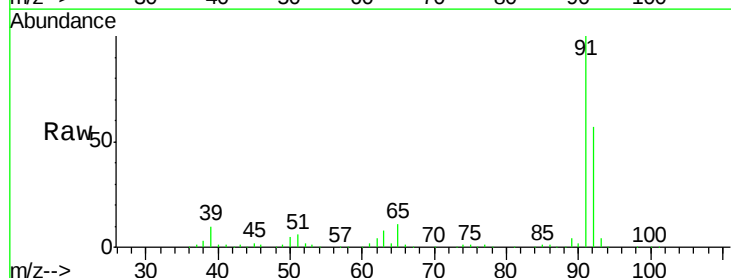
Acq: 11 Jul 2018 21:09

Tgt Ion: 92 Resp: 271445

Ion Ratio Lower Upper

92 100

91 172.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

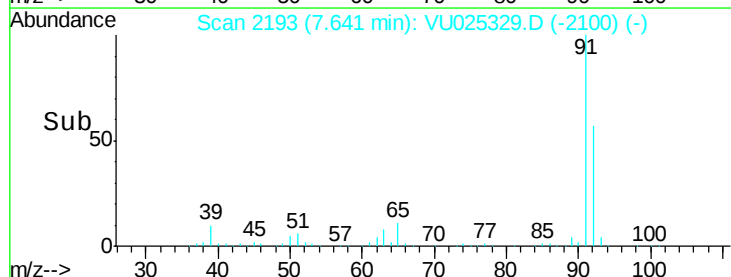
150000

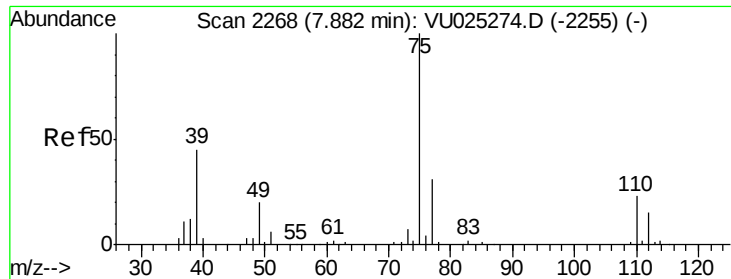
100000

50000

0

Time-->





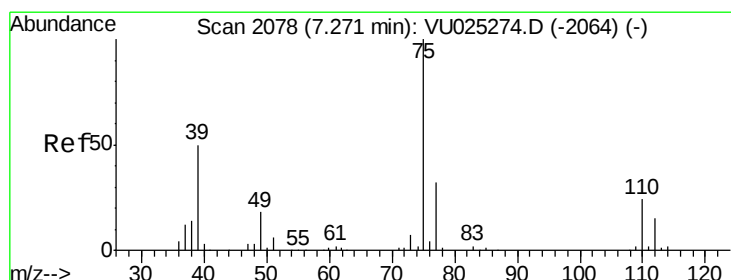
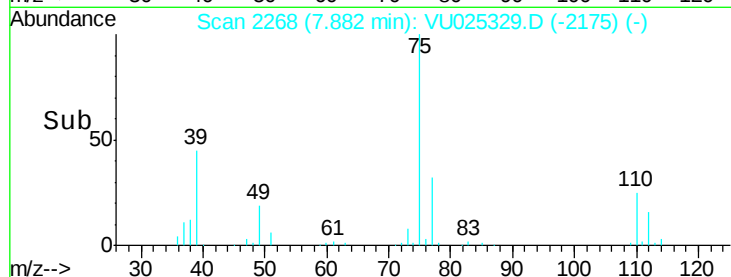
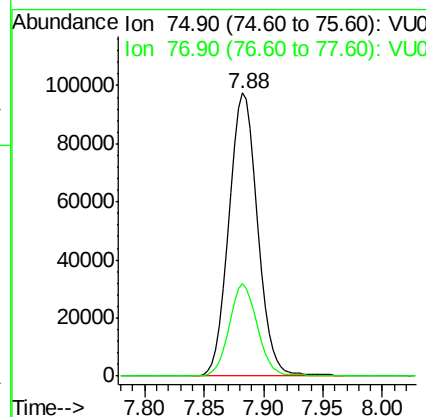
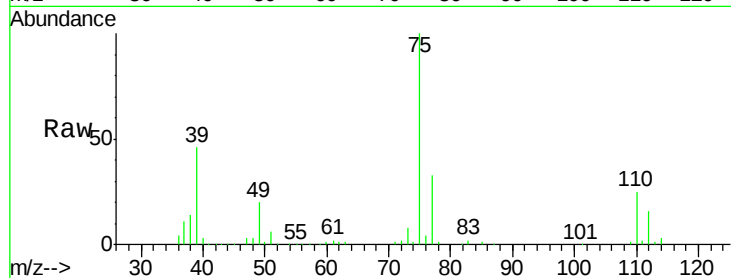
#53
t-1,3-Dichloropropene
Concen: 49.66 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7

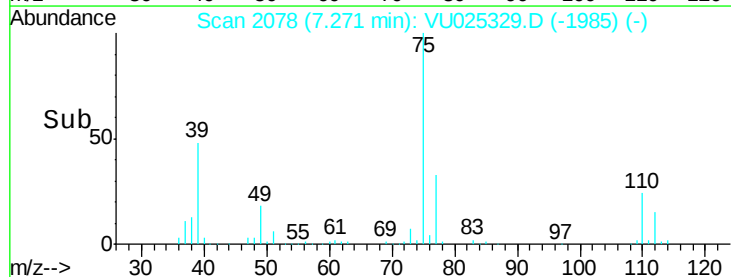
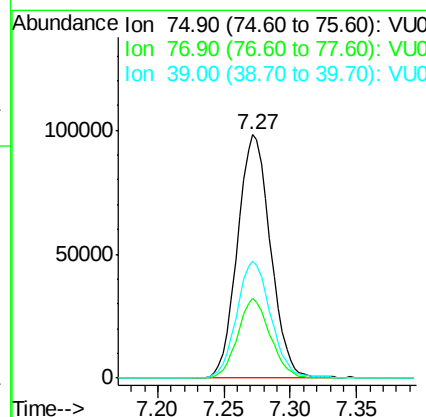
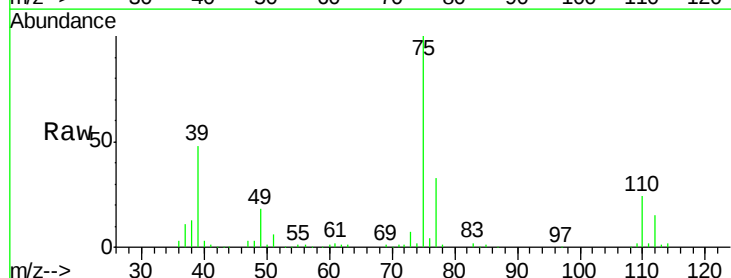
Manual Integrations
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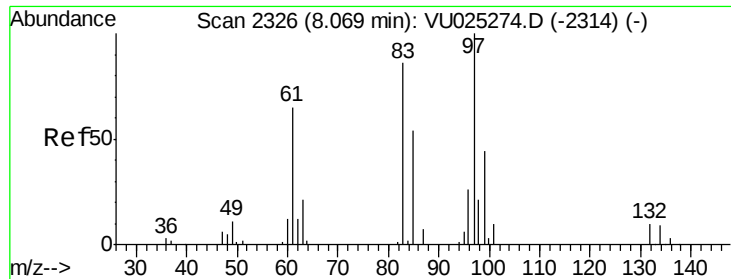
MMDadoda
7/12/2018 11:04:22 AM



#54
cis-1,3-Dichloropropene
Concen: 48.56 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.6	38.4
39	48.0	40.0	60.0





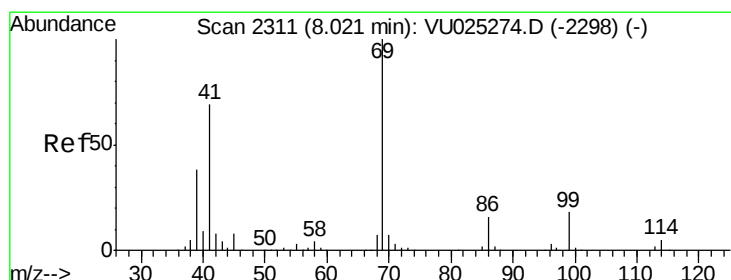
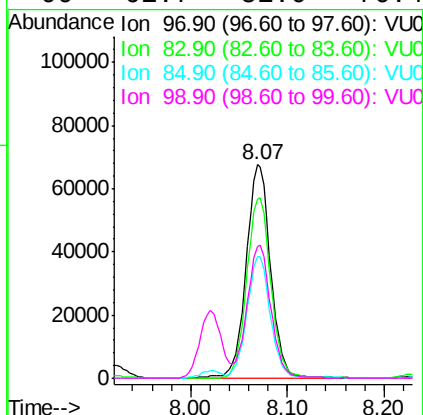
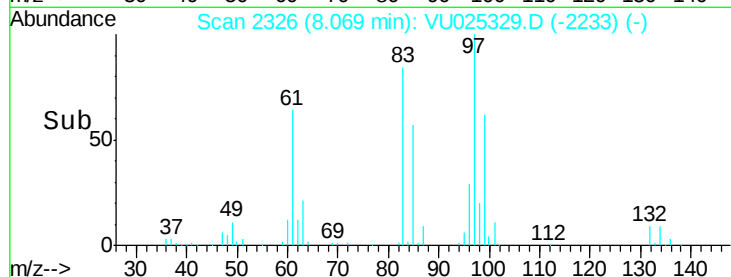
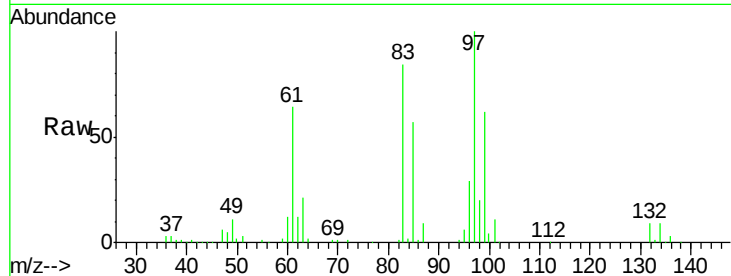
#55
 1,1,2-Trichloroethane
 Concen: 52.75 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion:	97	Resp:	118335
Ion Ratio	Lower	Upper	
97	100		
83	84.2	68.9	103.3
85	56.8	44.4	66.6
99	61.7	51.0	76.4

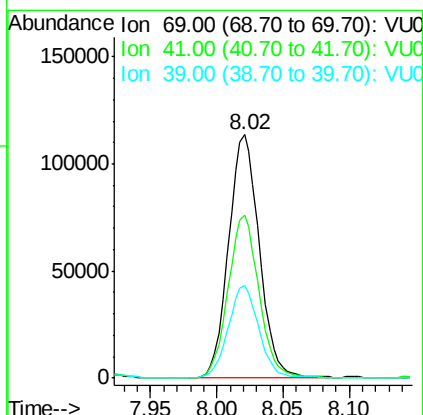
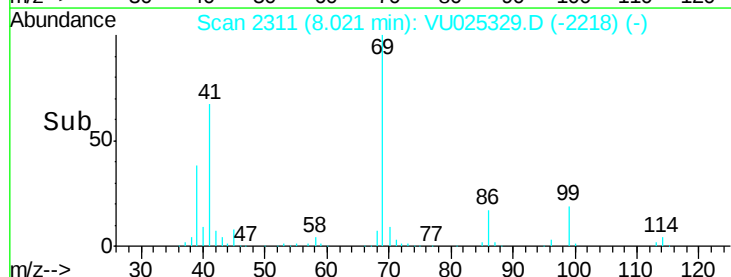
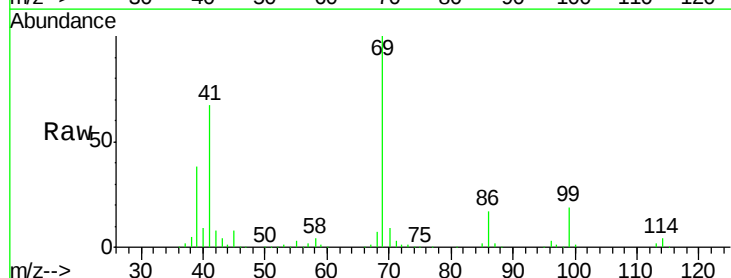
Manual Integrations
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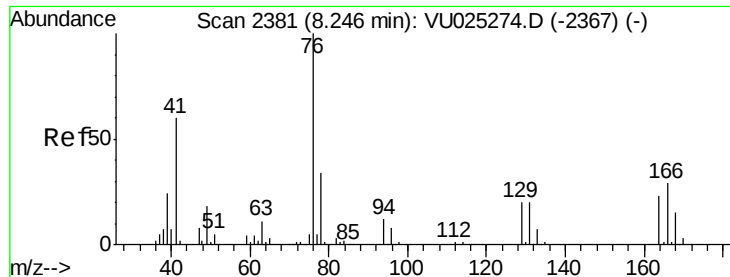
MMDadoda
 7/12/2018 11:04:22 AM



#56
 Ethyl methacrylate
 Concen: 52.25 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion:	69	Resp:	183066
Ion Ratio	Lower	Upper	
69	100		
41	66.8	54.8	82.2
39	37.7	31.1	46.7





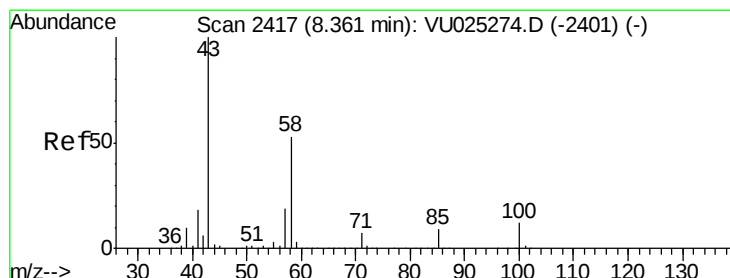
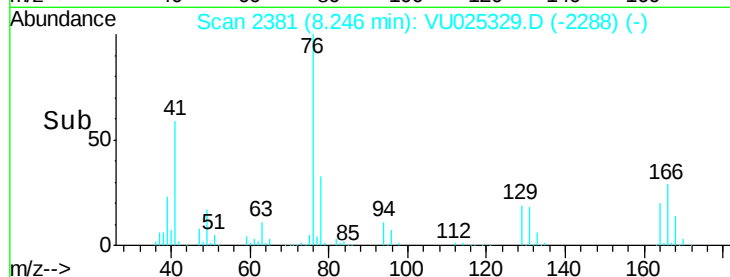
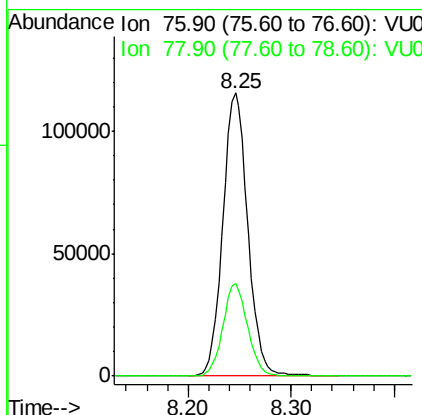
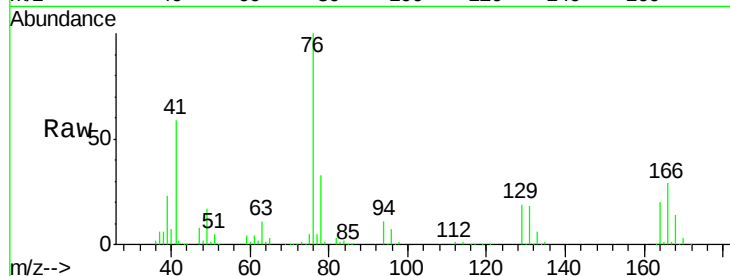
#57
 1,3-Dichloropropane
 Concen: 52.24 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

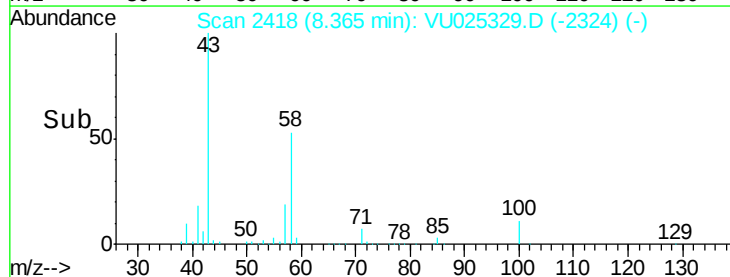
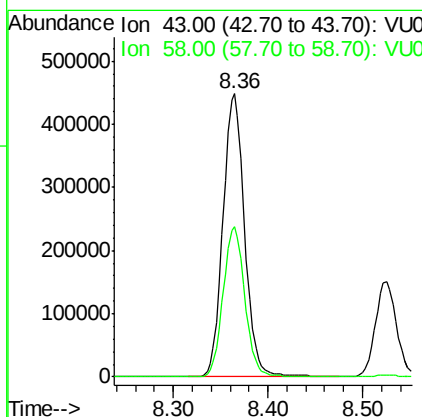
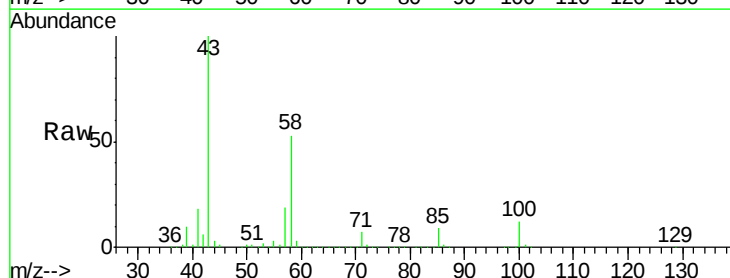
Manual Integrations
 APPROVED

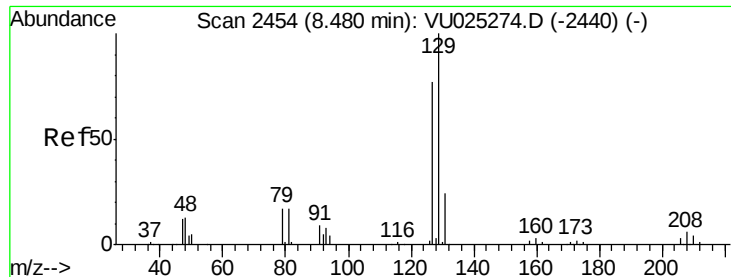
MMDadoda
 7/12/2018 11:04:22 AM



#59
 2-Hexanone
 Concen: 257.08 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.2	78.5





#60

Dibromochloromethane

Concen: 53.30 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion:129 Resp: 129123

Ion Ratio Lower Upper

129 100

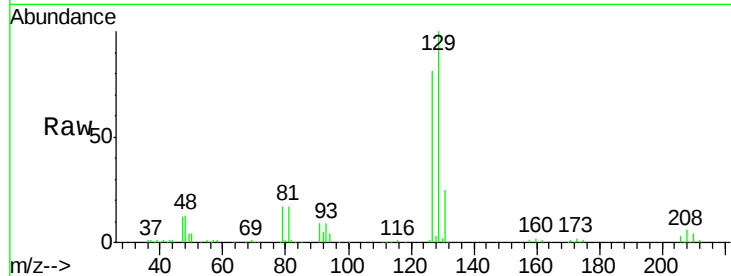
127 78.9 38.6 115.8

Manual Integrations

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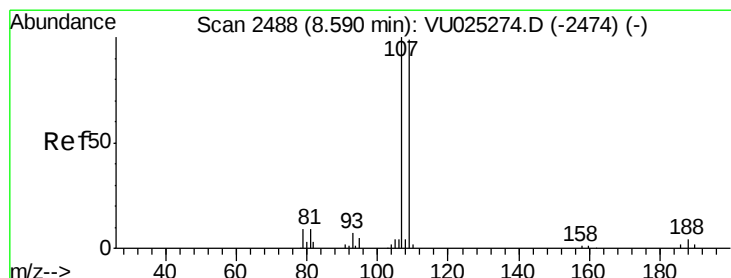
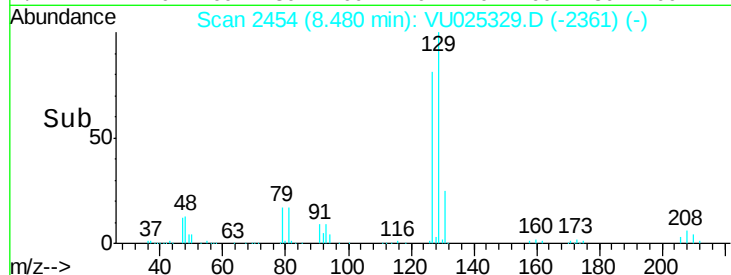
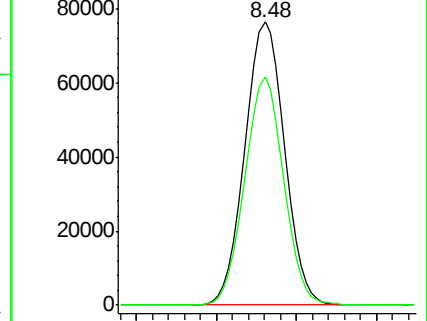
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7/12/2018 11:04:22 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.35 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025329.D

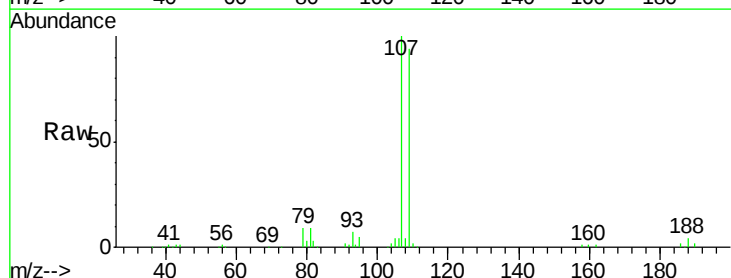
Acq: 11 Jul 2018 21:09

Tgt Ion:107 Resp: 125648

Ion Ratio Lower Upper

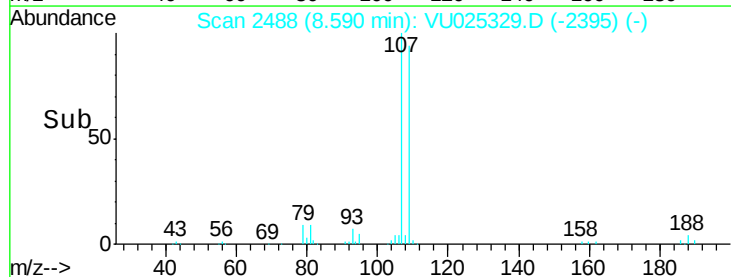
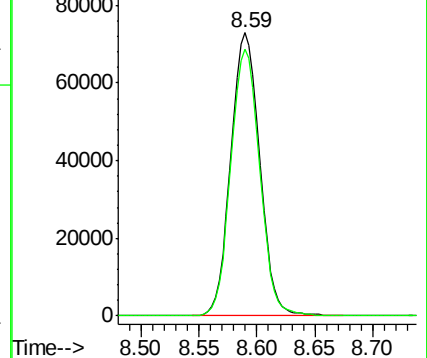
107 100

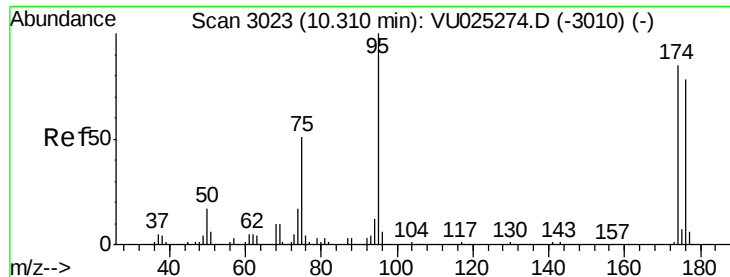
109 94.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 44.83 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

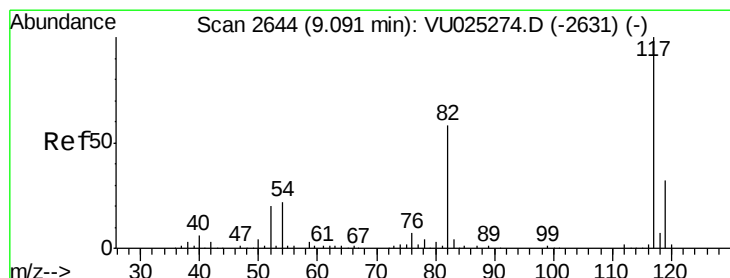
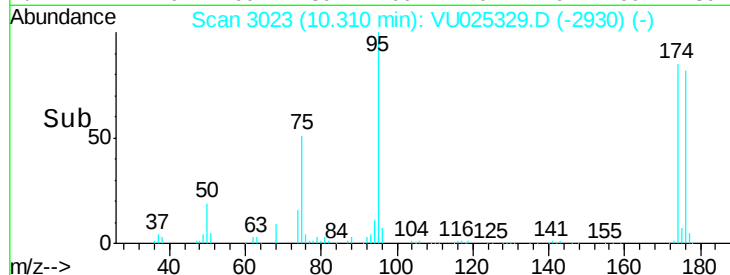
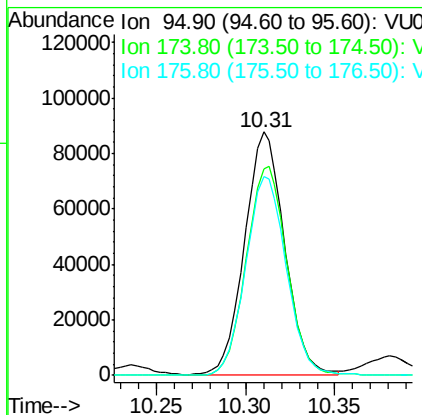
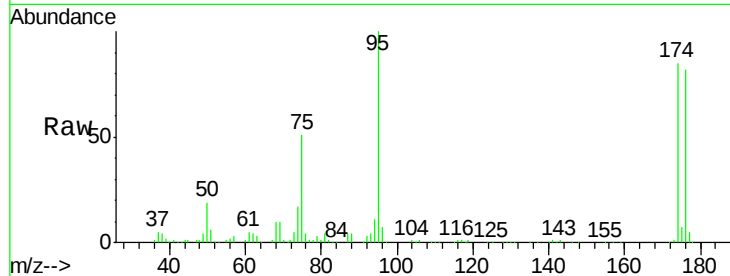
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	95	Resp:	137791
Ion Ratio	Lower	Upper	
95	100		
174	87.1	0.0	172.2
176	83.3	0.0	162.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

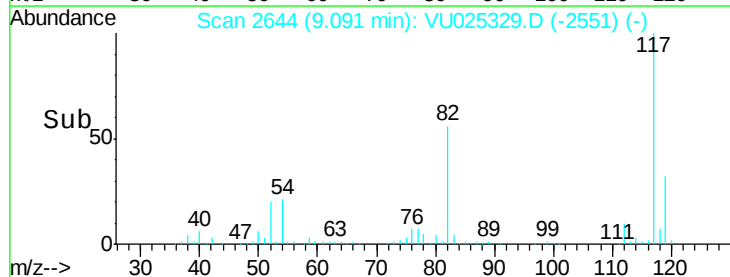
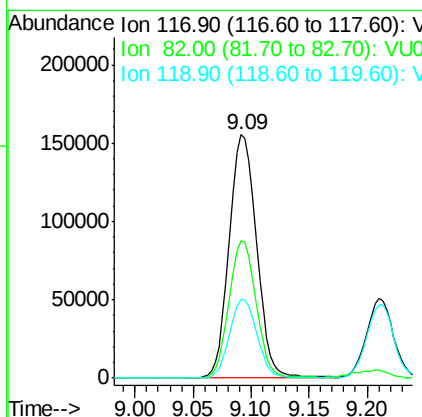
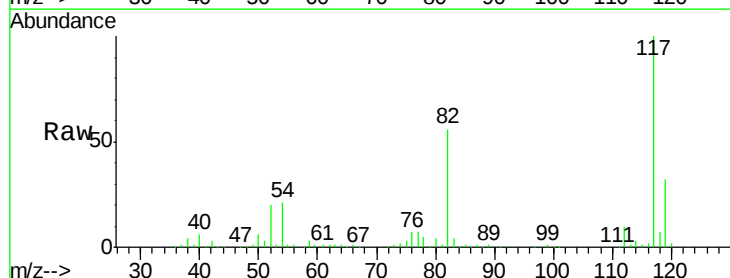
RT: 9.09 min Scan# 2644

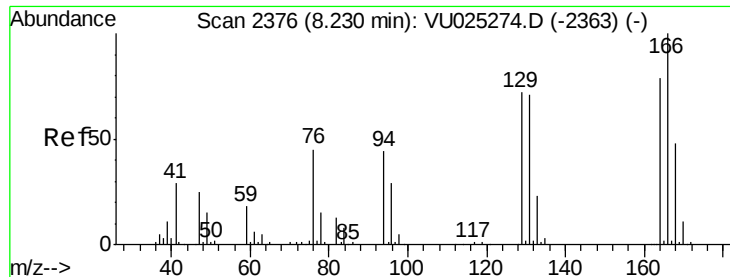
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	117	Resp:	253993
Ion Ratio	Lower	Upper	
117	100		
82	56.5	46.0	69.0
119	32.4	26.0	39.0





#64

Tetrachloroethene

Concen: 44.20 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion:164 Resp: 102330

Ion Ratio Lower Upper

164 100

166 126.0 101.1 151.7

129 92.1 73.0 109.6

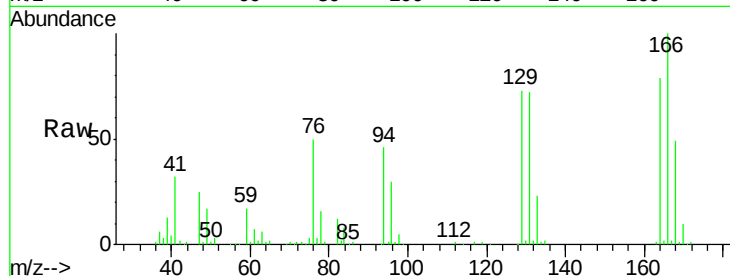
131 90.9 72.1 108.1

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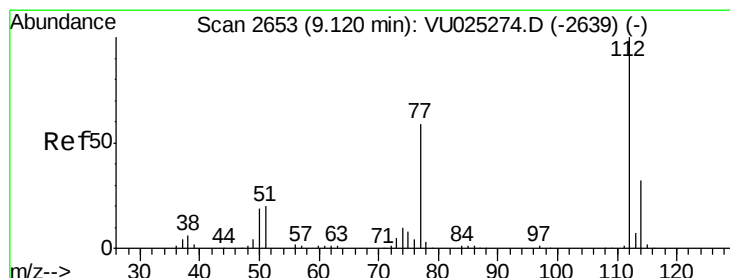
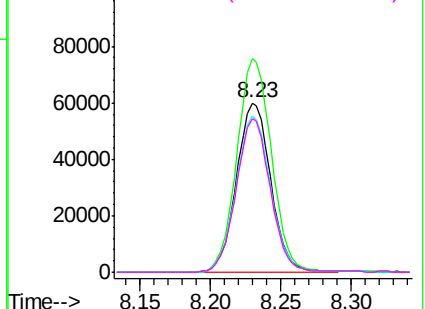
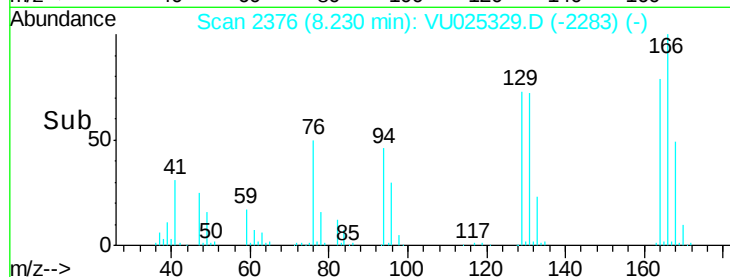


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 264.06 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025329.D

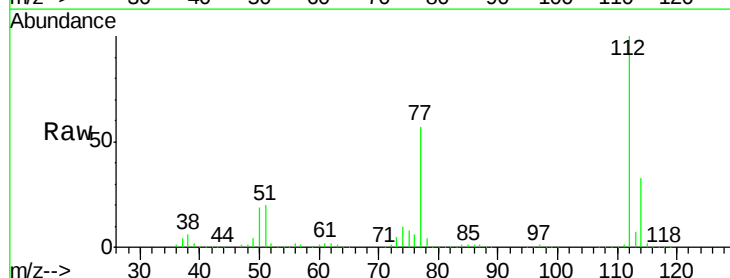
Acq: 11 Jul 2018 21:09

Tgt Ion:112 Resp: 1675483

Ion Ratio Lower Upper

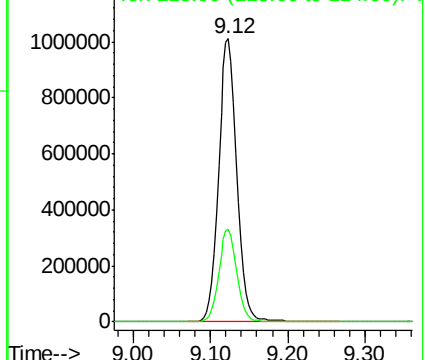
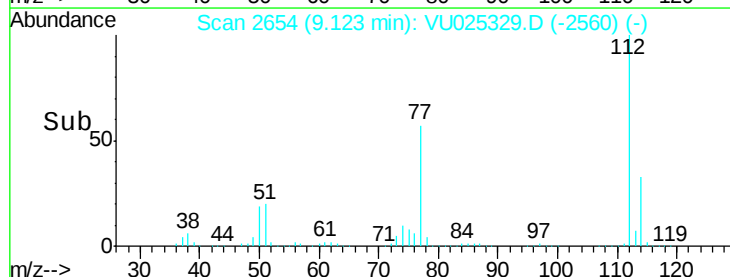
112 100

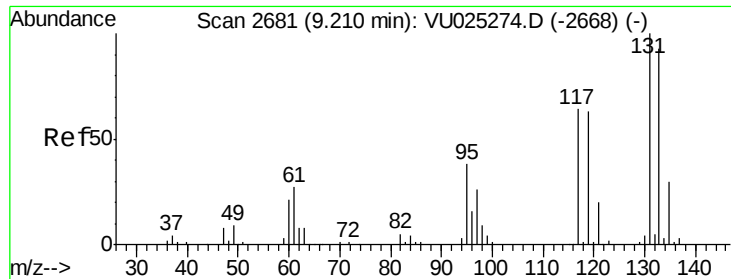
114 32.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.70 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

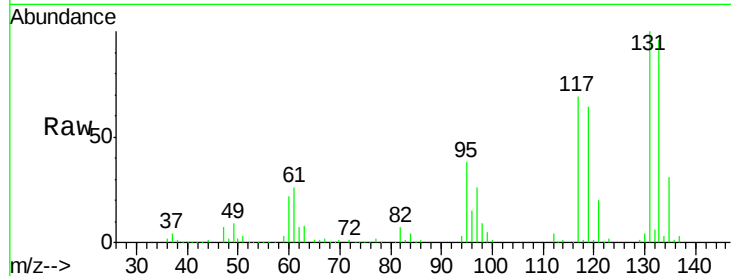
ClientSampleId :

SS037MW036-180709MSD

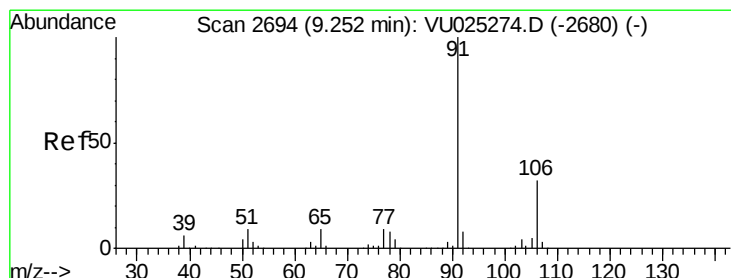
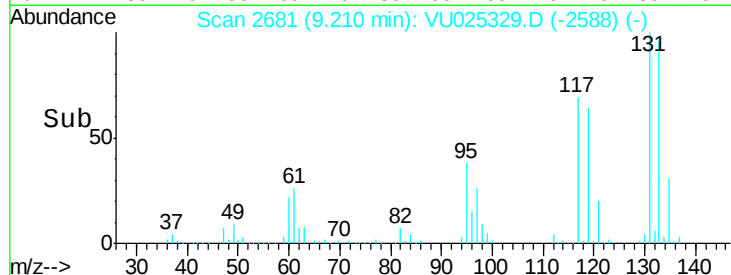
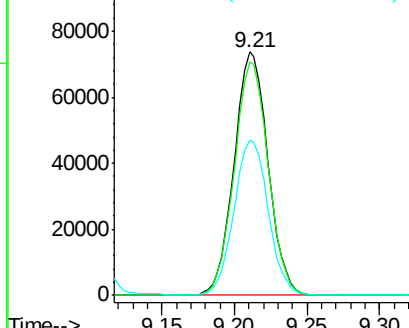
Tot Ion:	131	Resp:	119623
Ion Ratio	Lower	Upper	
131	100		
133	96.3	47.8	143.3
119	64.5	31.6	95.0

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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.63 ug/l

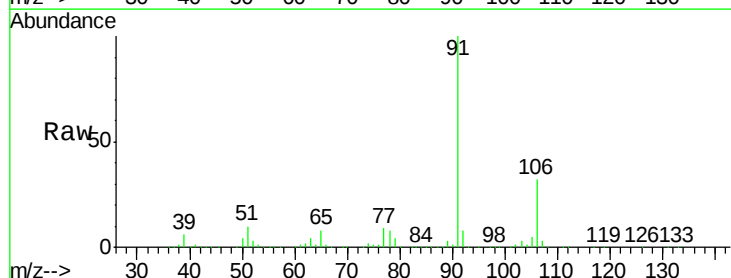
RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

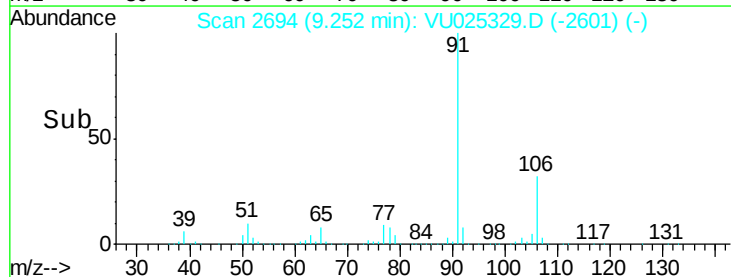
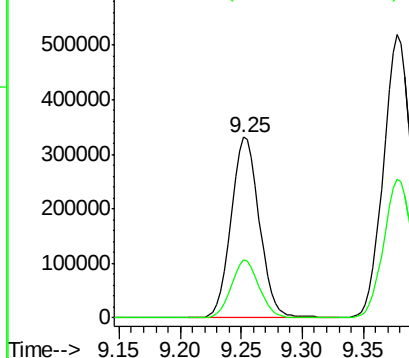
Lab File: VU025329.D

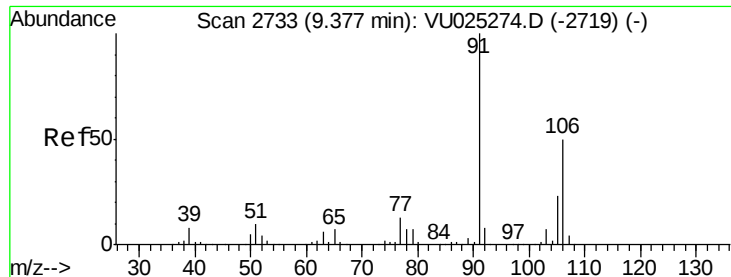
Acq: 11 Jul 2018 21:09

Tgt Ion:	91	Resp:	536835
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.3	37.9



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





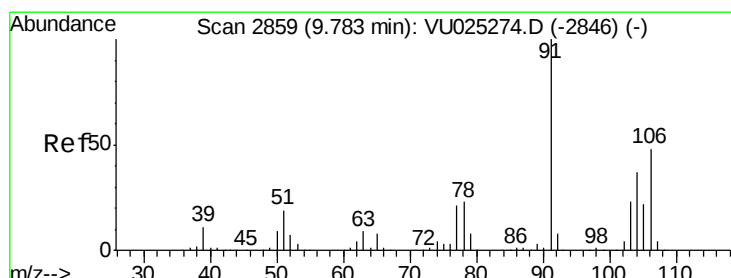
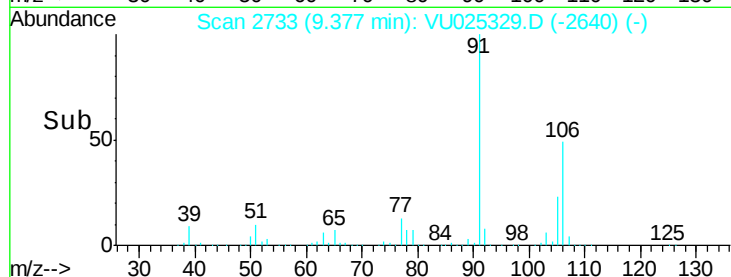
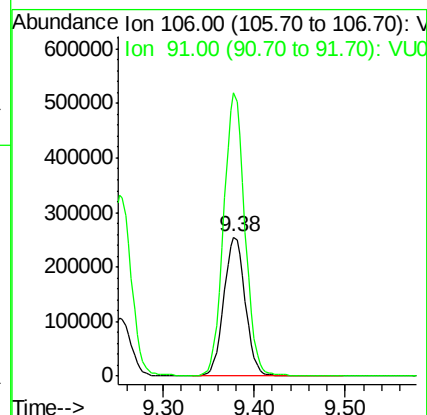
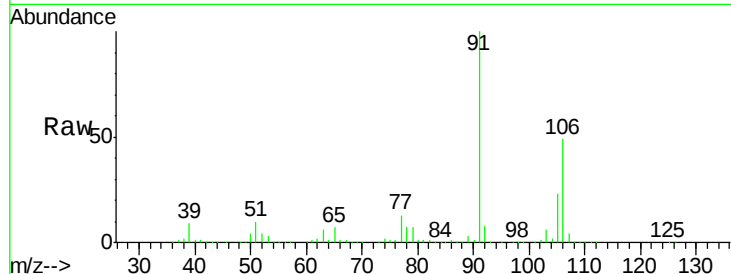
#68
m/p-Xvlenes
Concen: 100.16 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion:106 Resp: 418891
Ion Ratio Lower Upper
106 100
91 201.4 162.3 243.5

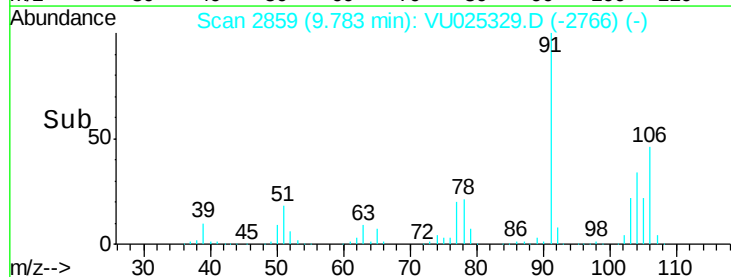
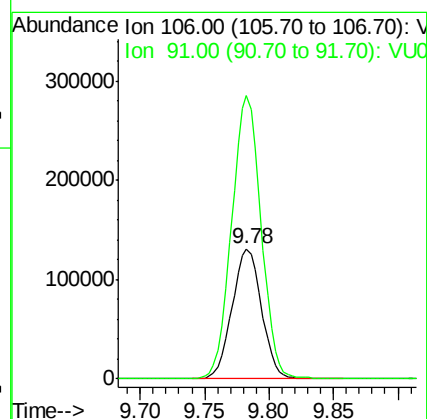
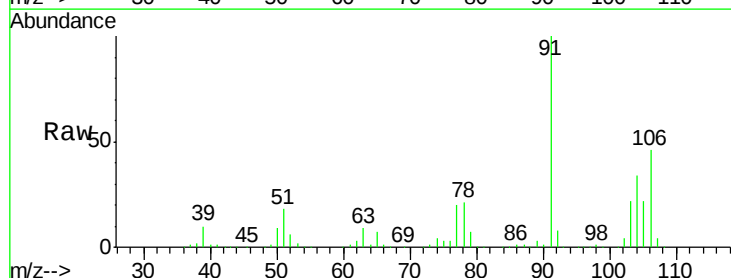
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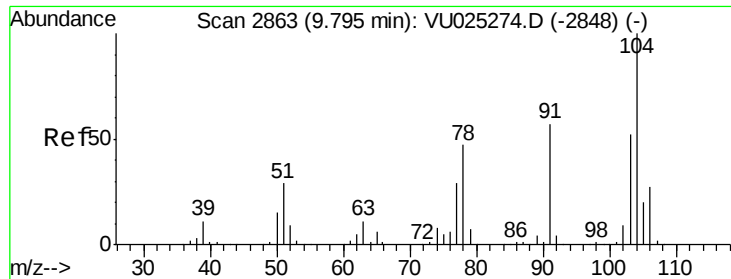
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#69
o-Xylene
Concen: 49.59 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion:106 Resp: 207650
Ion Ratio Lower Upper
106 100
91 217.4 105.3 315.8





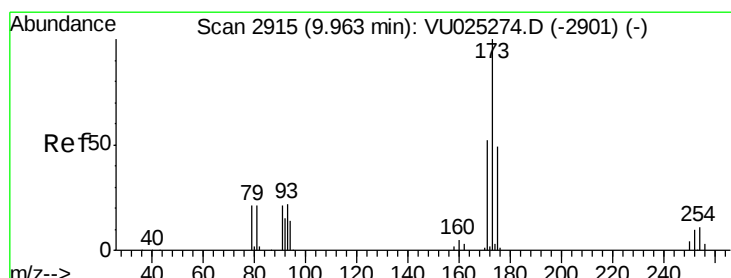
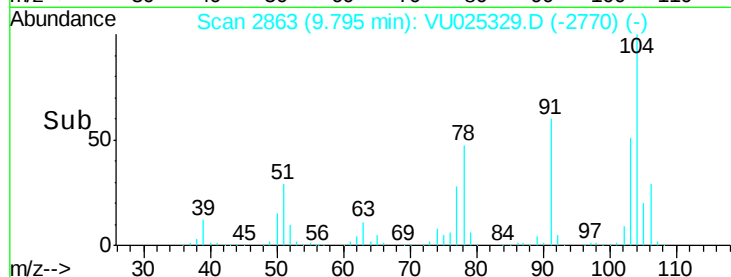
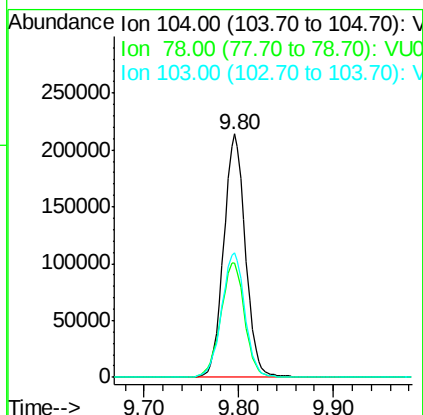
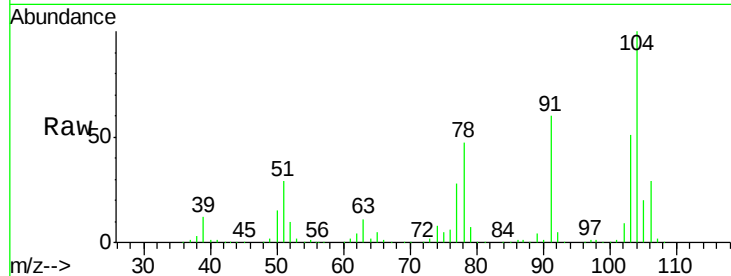
#70
Stvrene
Concen: 51.33 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	54.9	44.6	66.8

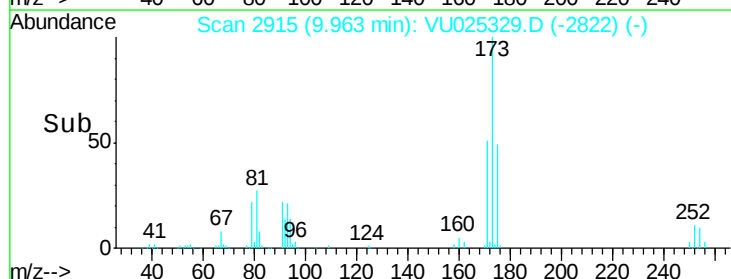
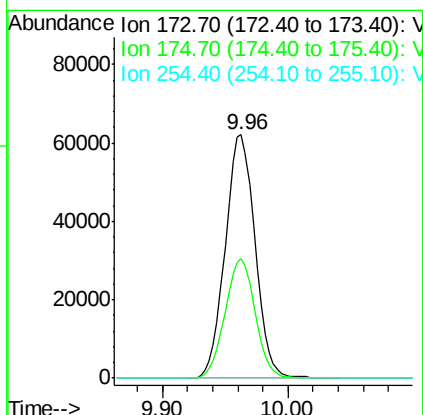
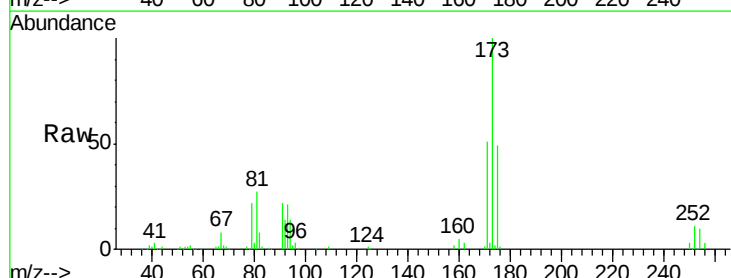
Manual Integrations
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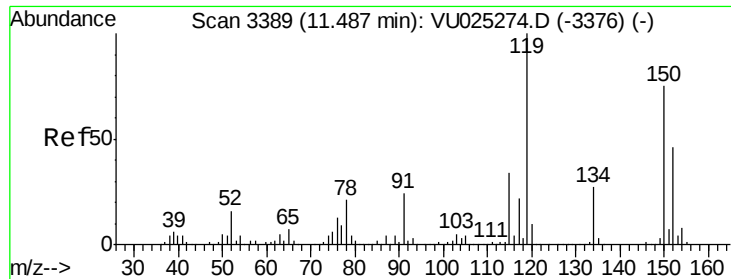
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#71
Bromoform
Concen: 46.97 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	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: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion:152 Resp: 151708

Ion Ratio Lower Upper

152 100

115 84.8 40.1 120.3

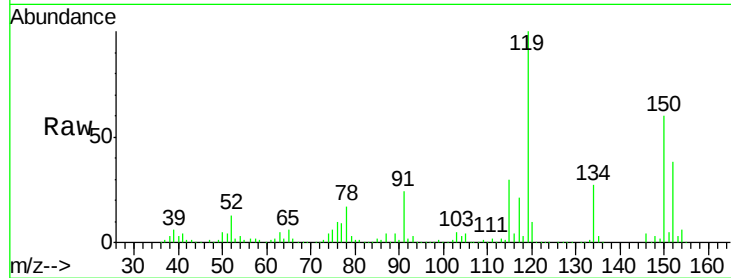
150 175.6 0.0 351.4

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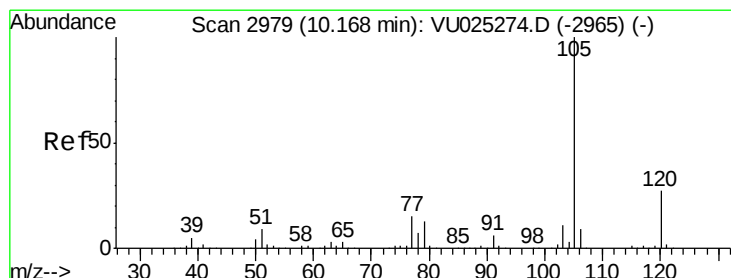
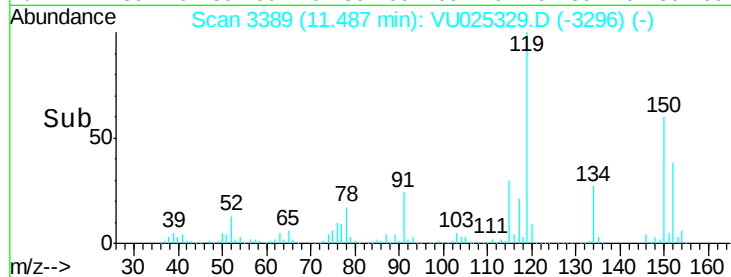
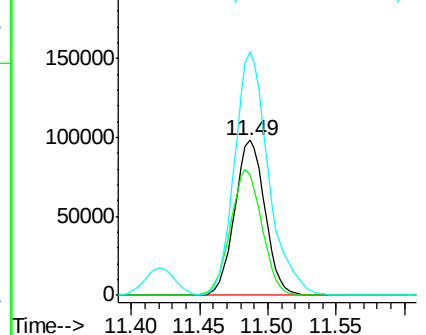
7/12/2018 11:04:22 AM



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: 49.50 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025329.D

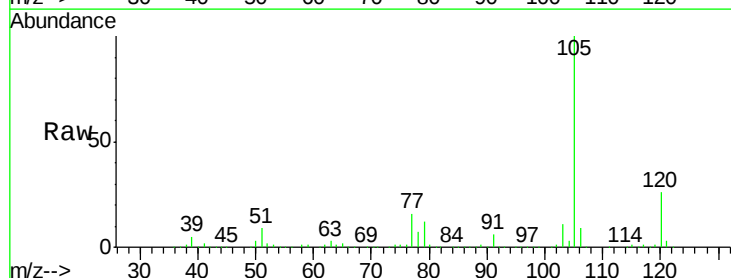
Acq: 11 Jul 2018 21:09

Tgt Ion:105 Resp: 573804

Ion Ratio Lower Upper

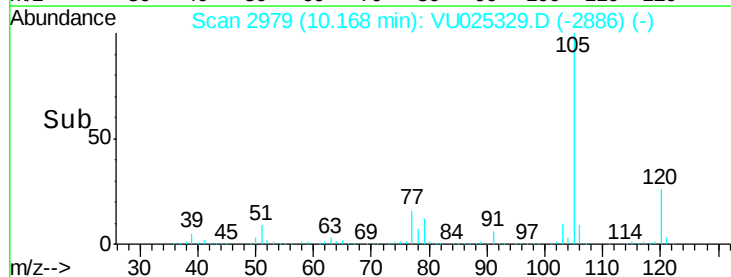
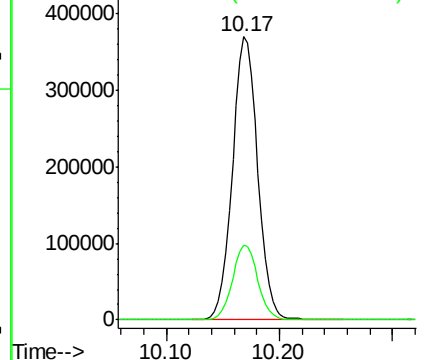
105 100

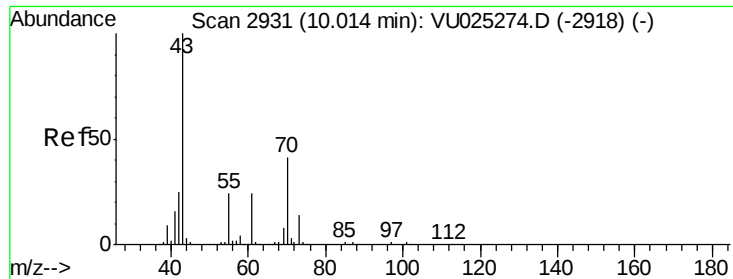
120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.87 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

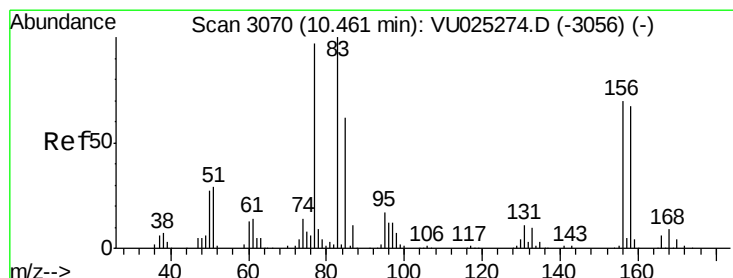
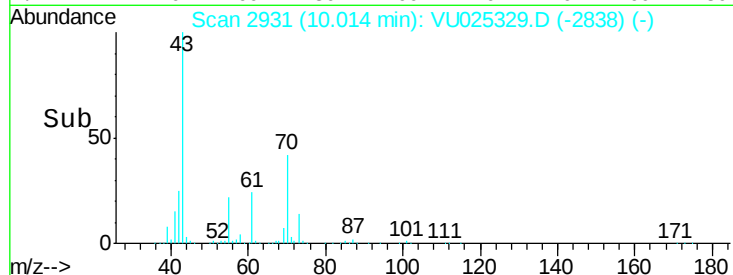
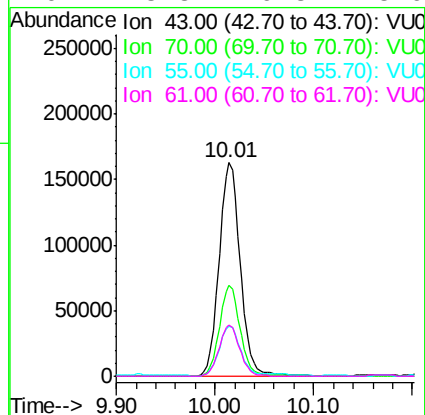
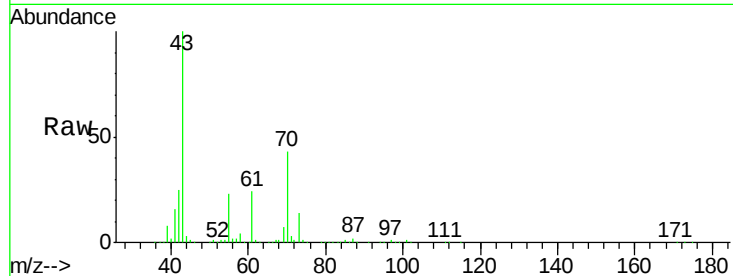
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	43	Resp:	246300
Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.4	50.2
55	24.7	19.0	28.6
61	23.3	19.3	28.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.23 ug/l

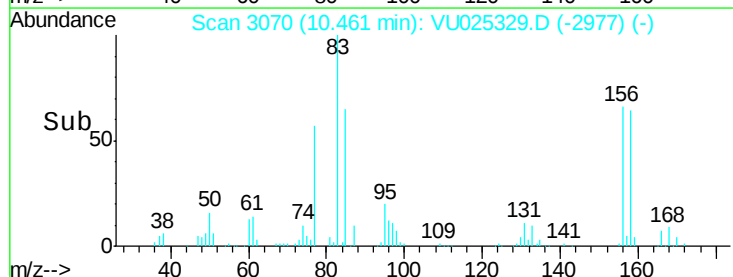
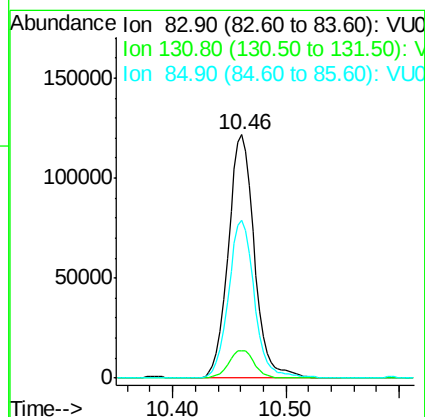
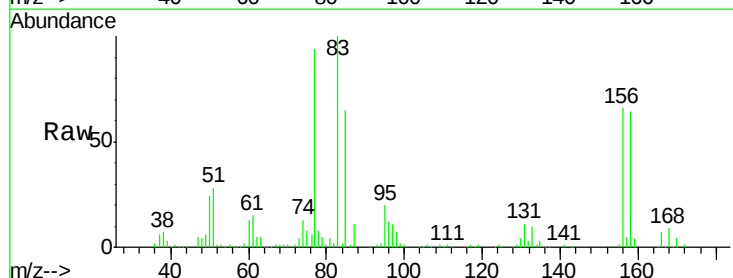
RT: 10.46 min Scan# 3070

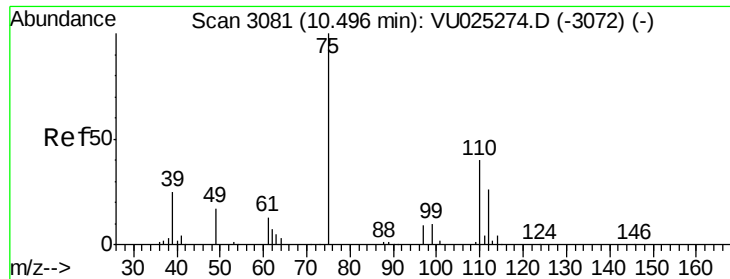
Delta R.T. -0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	83	Resp:	194285
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.9	31.6	94.8





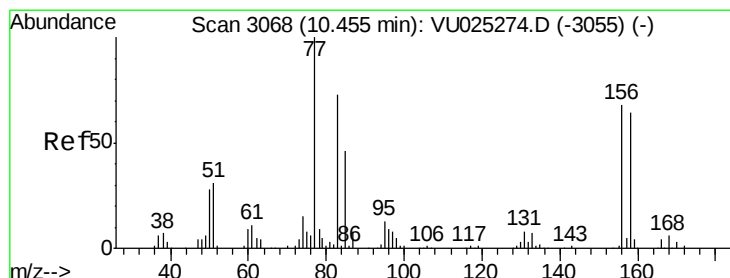
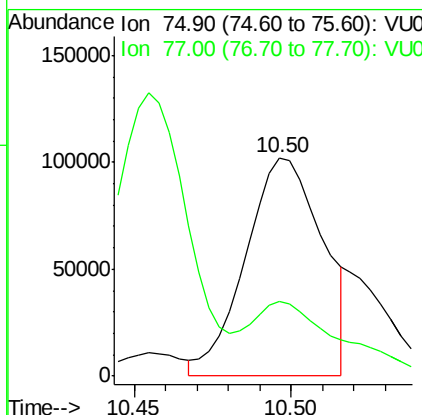
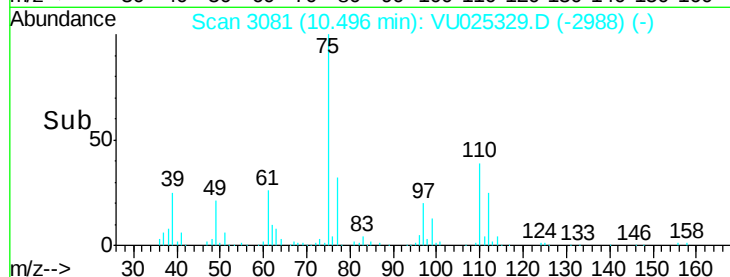
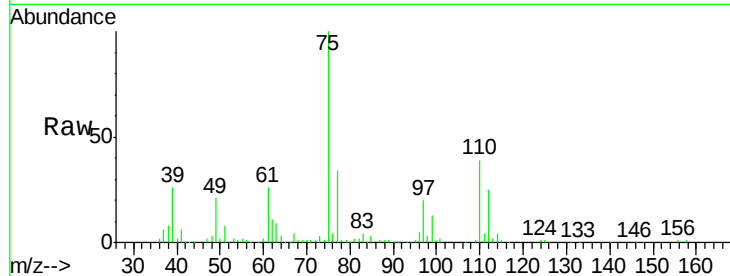
#76
1,2,3-Trichloropropane
Concen: 55.35 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion: 75 Resp: 173722
Ion Ratio Lower Upper
75 100
77 38.5 20.4 61.3

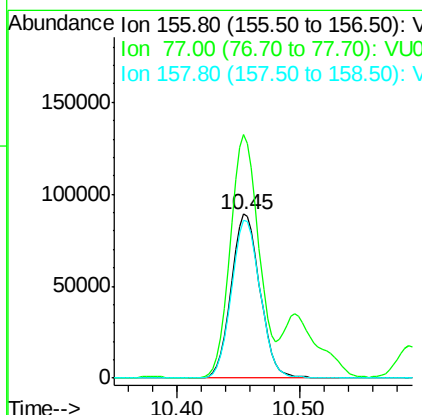
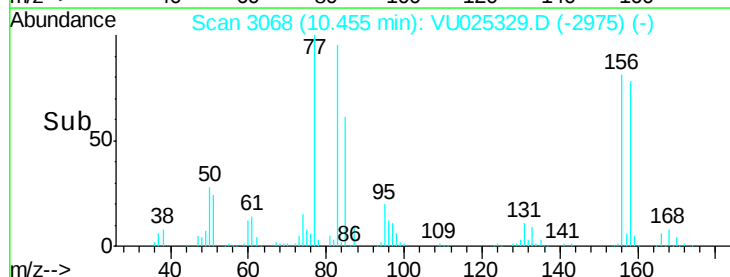
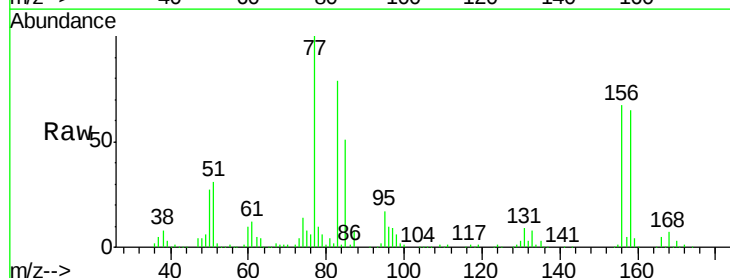
Manual Integrations
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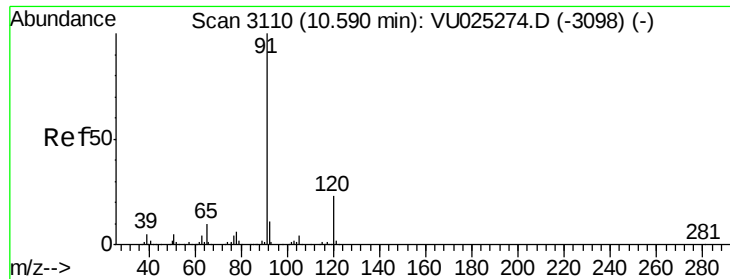
MMDadoda
7/12/2018 11:04:22 AM



#77
Bromobenzene
Concen: 49.45 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion: 156 Resp: 146635
Ion Ratio Lower Upper
156 100
77 146.9 73.8 221.4
158 96.4 48.0 144.0





#78

n-propylbenzene

Concen: 48.80 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709MSD

Tot Ion: 91 Resp: 627721

Ion Ratio Lower Upper

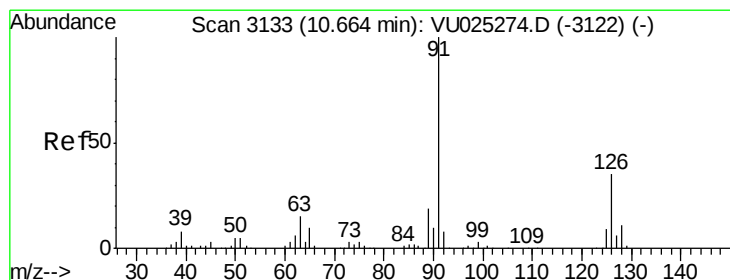
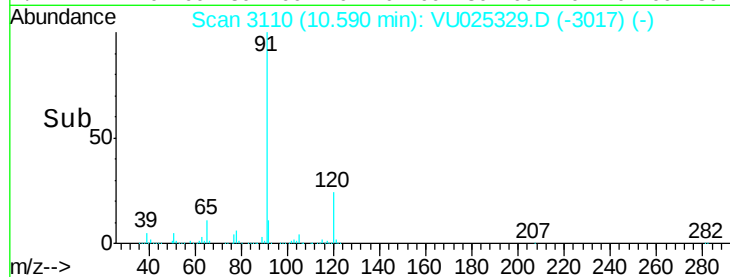
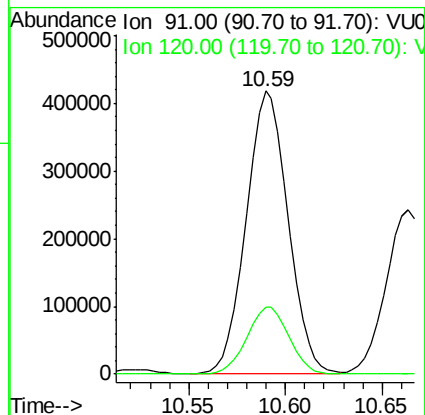
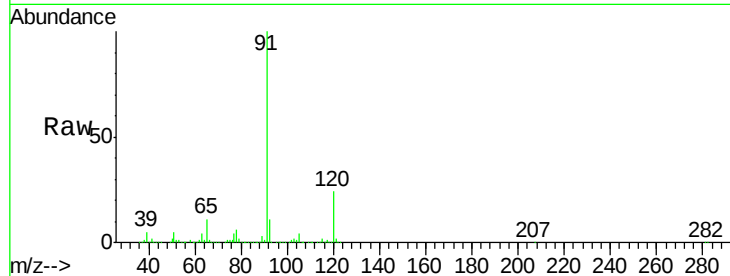
91 100

120 23.9 11.8 35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.91 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025329.D

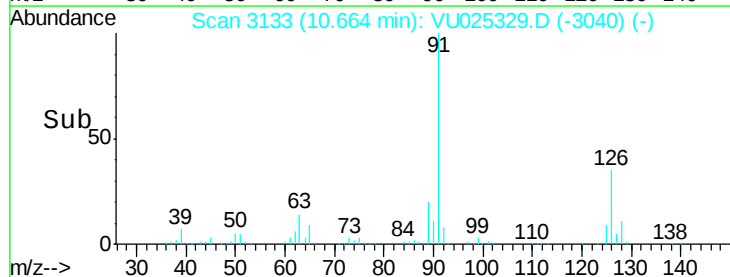
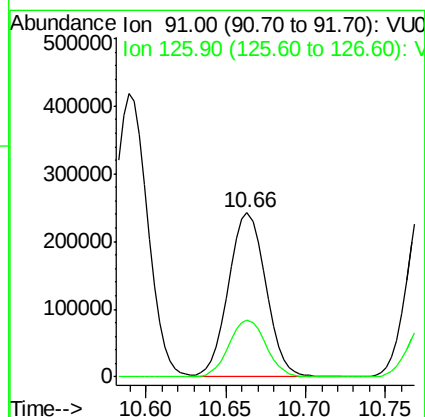
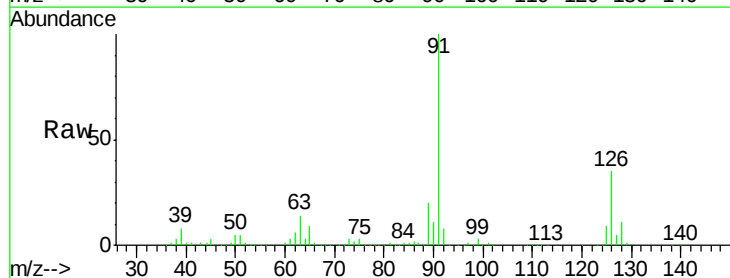
Acq: 11 Jul 2018 21:09

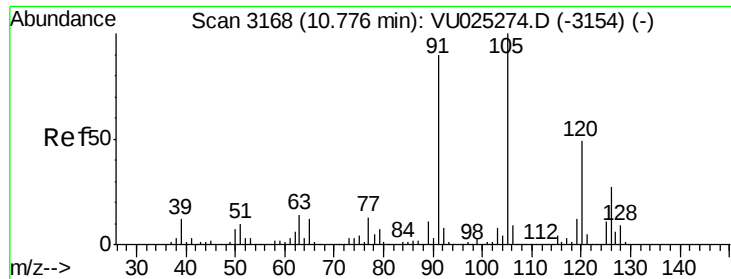
Tgt Ion: 91 Resp: 383382

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6





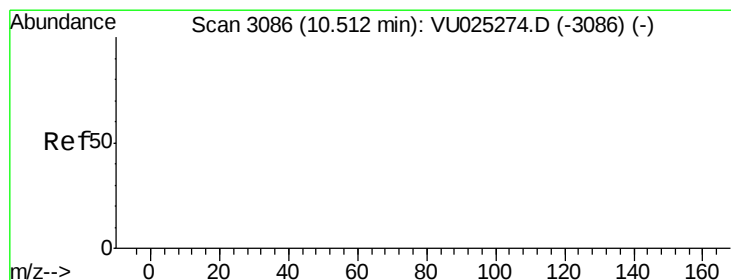
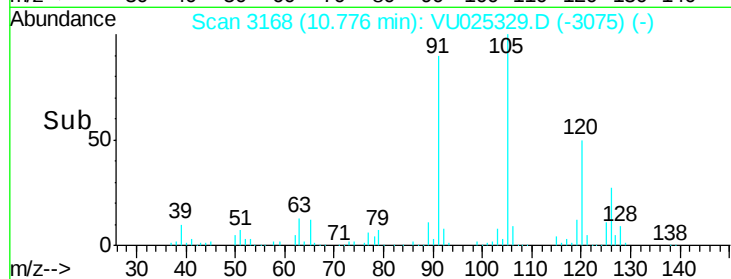
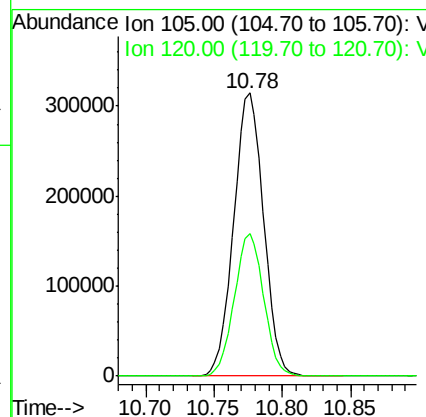
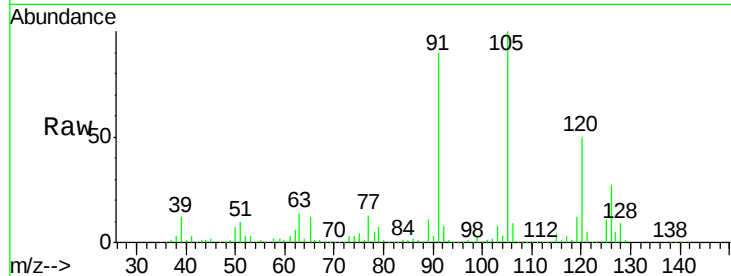
#80
 1,3,5-Trimethylbenzene
 Concen: 49.09 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion:105 Resp: 478766
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.2

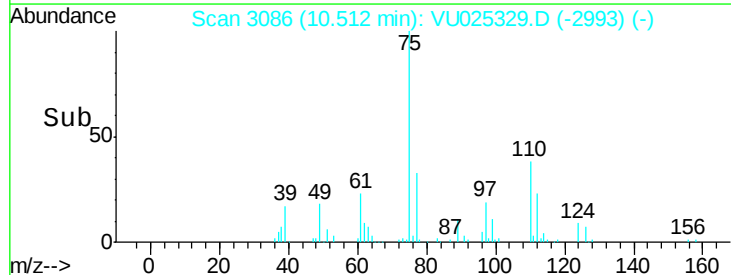
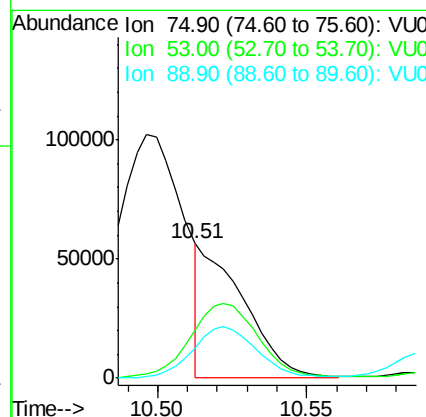
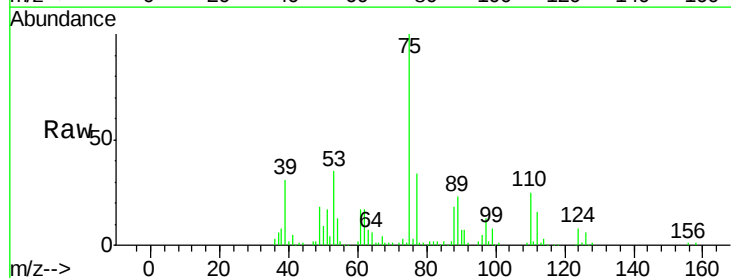
Manual Integrations
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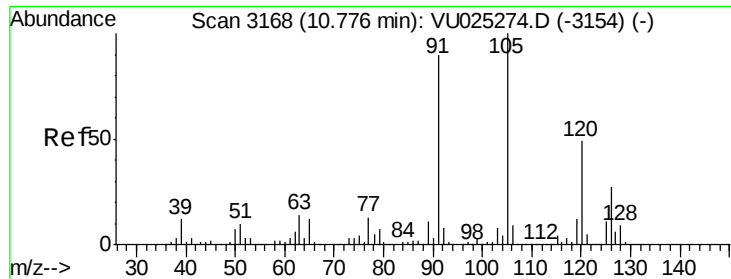
MMDadoda
 7/12/2018 11:04:22 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.43 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion: 75 Resp: 57330
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





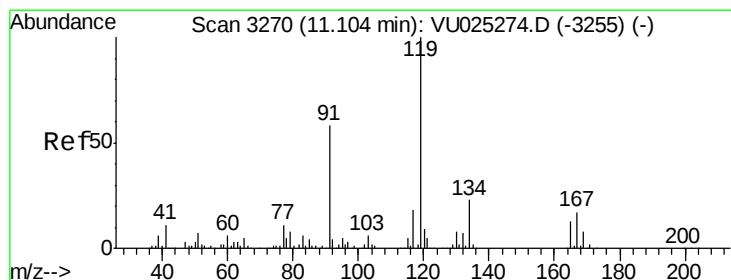
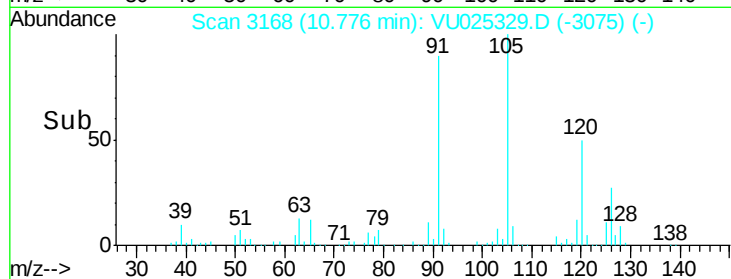
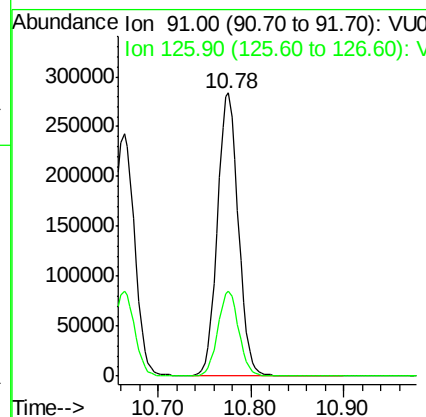
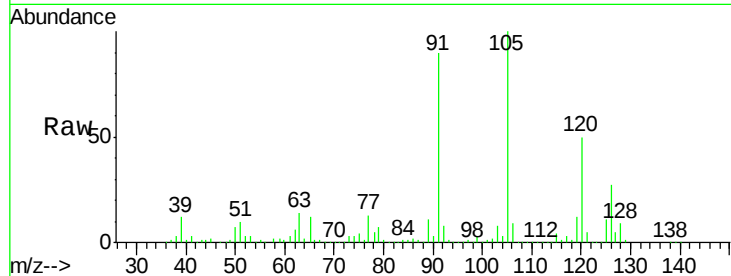
#82
4-Chlorotoluene
Concen: 48.50 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion: 91 Resp: 441750
Ion Ratio Lower Upper
91 100
126 30.1 15.3 45.9

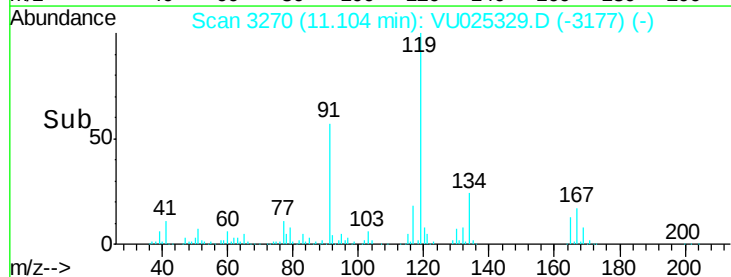
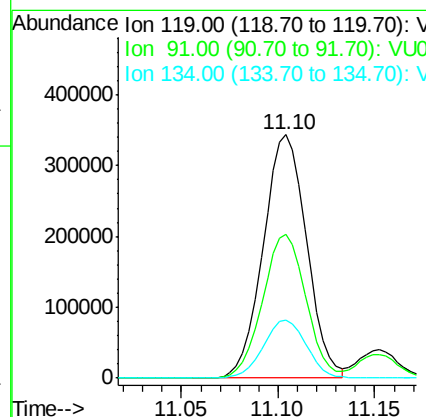
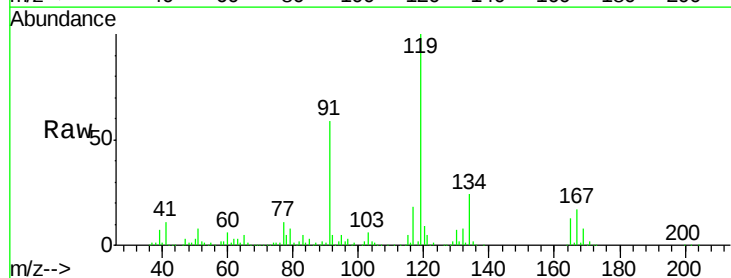
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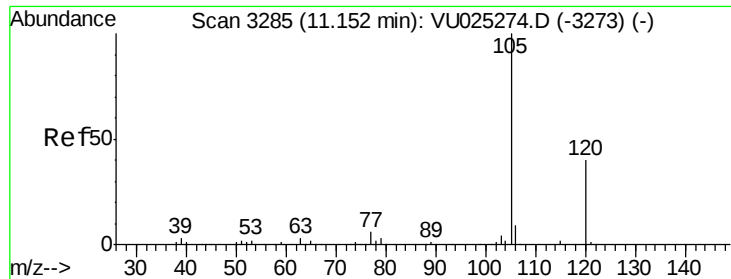
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#83
tert-Butylbenzene
Concen: 54.33 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion: 119 Resp: 535479
Ion Ratio Lower Upper
119 100
91 59.0 29.7 89.1
134 23.7 11.5 34.5





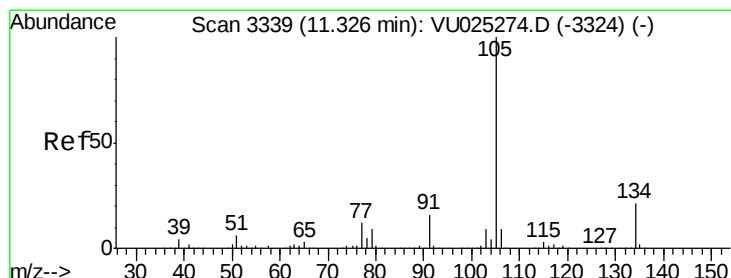
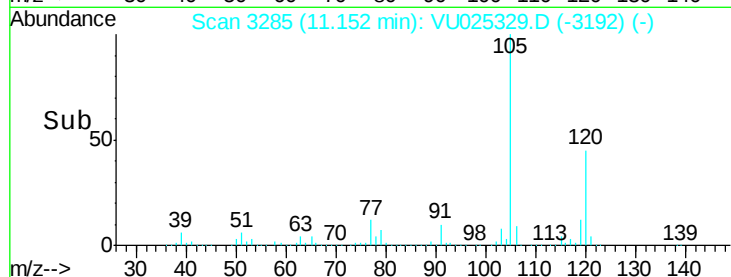
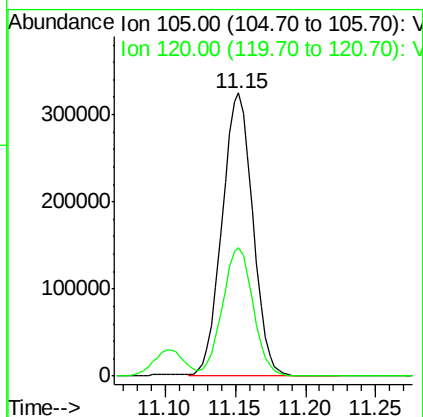
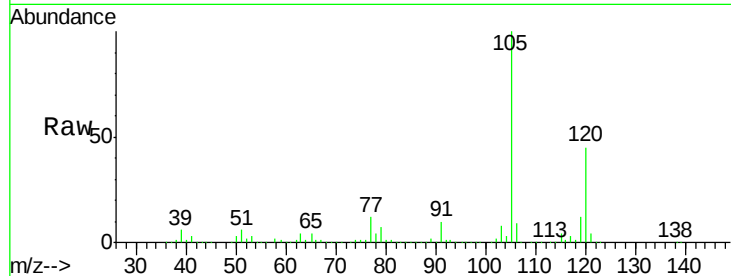
#84
 1,2,4-Trimethylbenzene
 Concen: 49.26 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion:105 Resp: 492443
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8

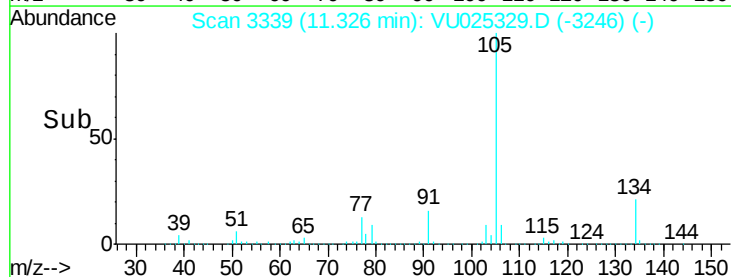
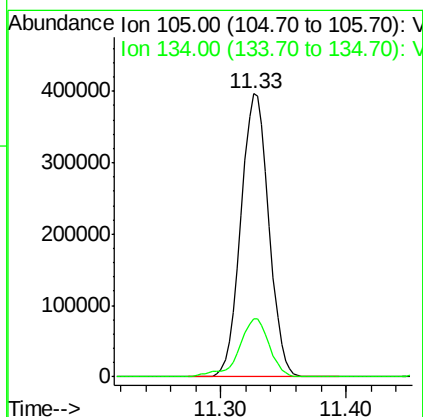
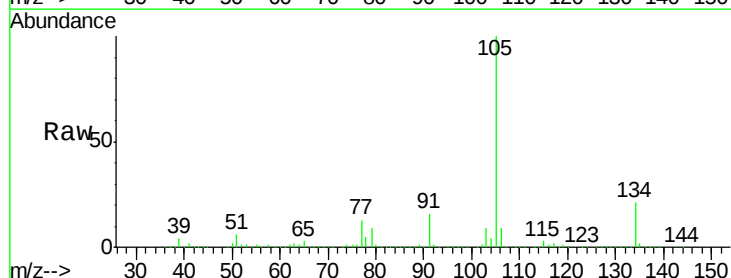
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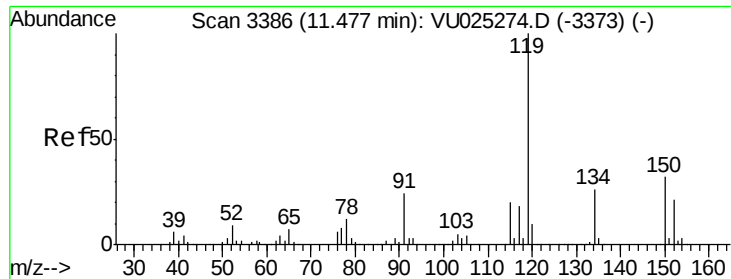
MMDadoda
 7/12/2018 11:04:22 AM



#85
 sec-Butylbenzene
 Concen: 52.89 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion:105 Resp: 613821
 Ion Ratio Lower Upper
 105 100
 134 22.4 10.3 30.8





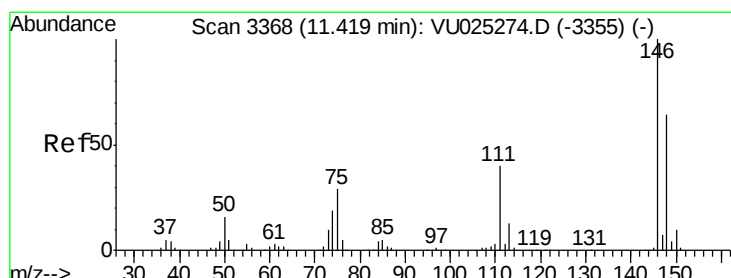
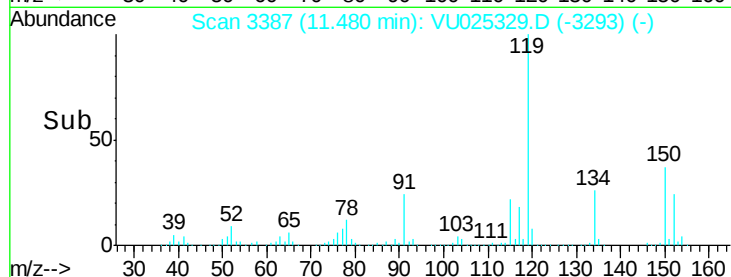
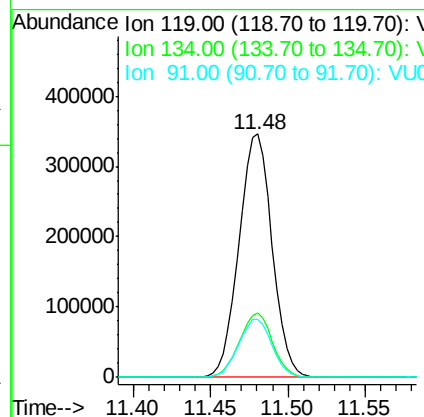
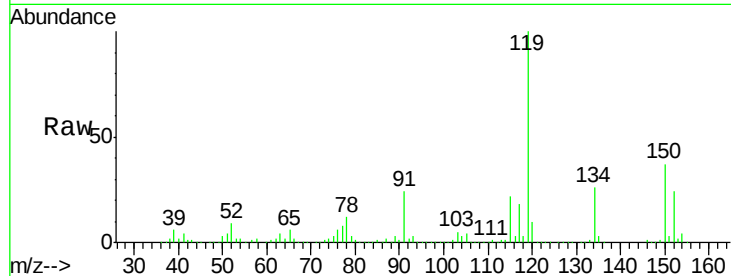
#86
 p-Isopropyltoluene
 Concen: 49.94 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	513154		
134	26.5	13.2	39.5	
91	24.2	12.0	36.1	

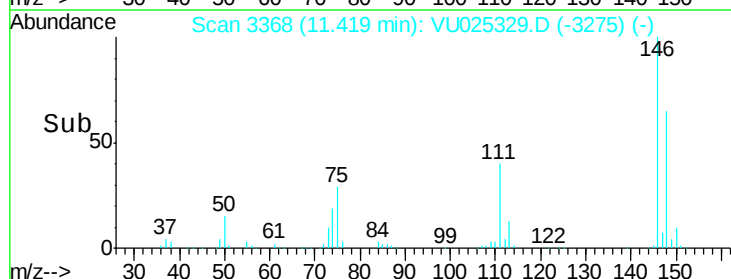
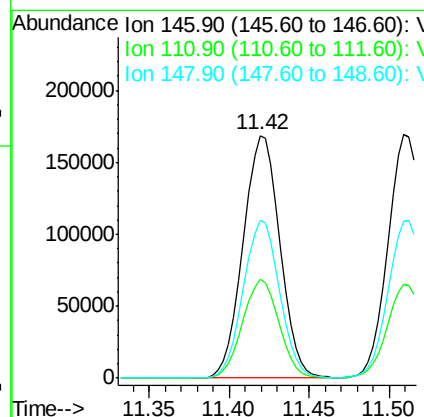
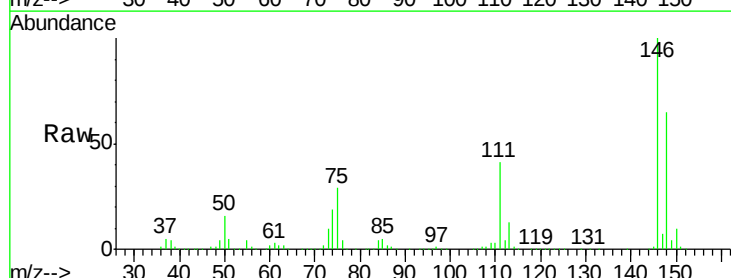
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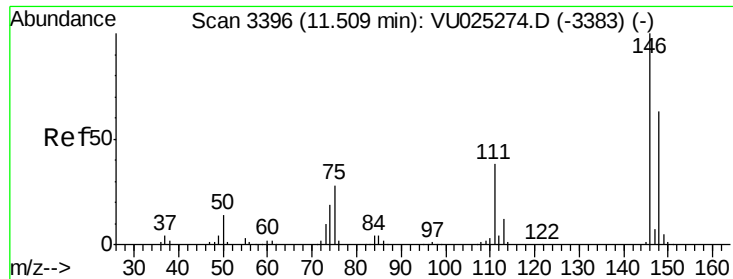
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 7/12/2018 11:04:22 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265170		
111	40.3	19.7	59.1	
148	64.1	32.1	96.3	





#88

1,4-Dichlorobenzene

Concen: 50.72 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

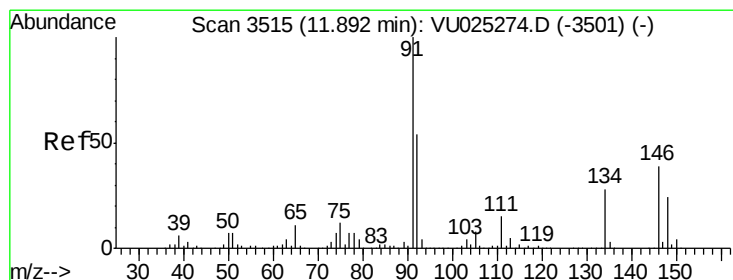
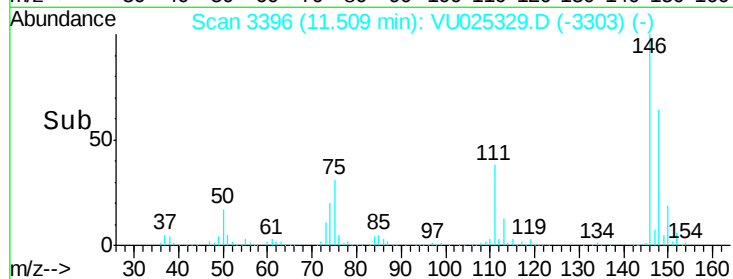
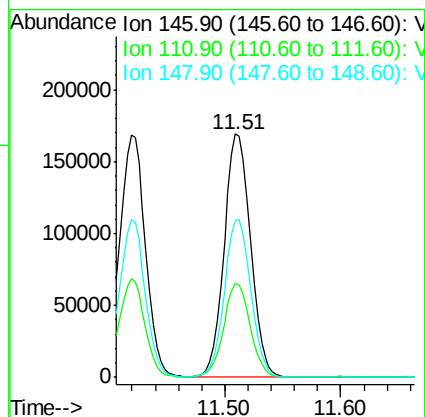
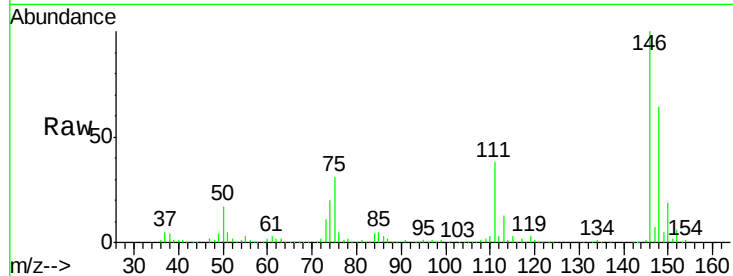
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	146	Resp:	268626
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.1
148	65.0	31.7	95.1

Manual Integrations
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#89

n-Butylbenzene

Concen: 50.49 ug/l

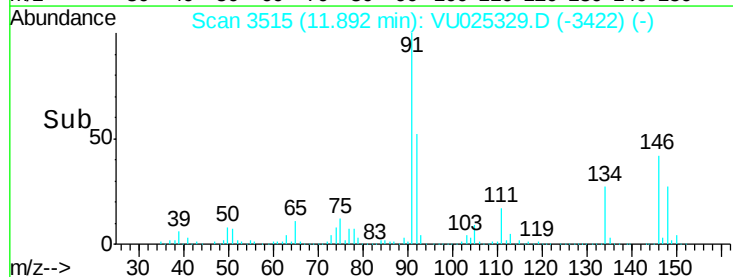
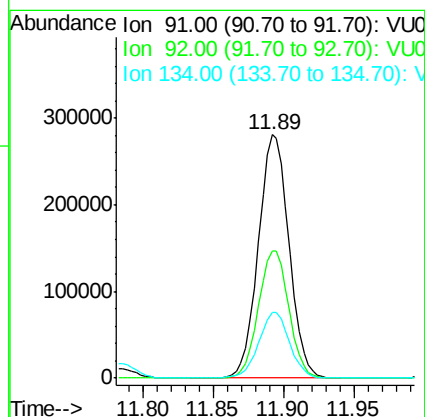
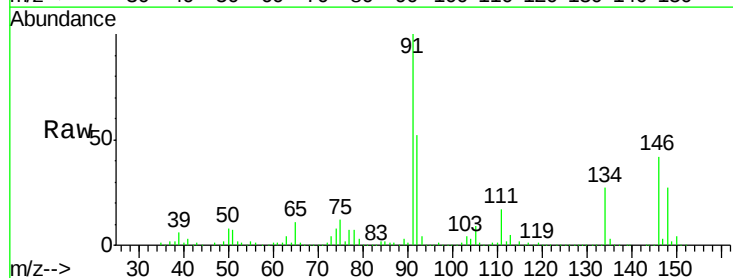
RT: 11.89 min Scan# 3515

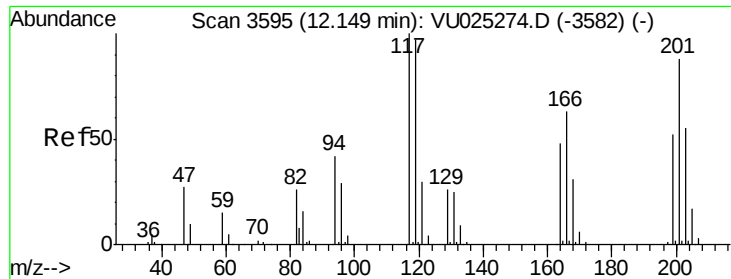
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	91	Resp:	426534
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.5	79.5
134	27.4	13.6	40.7





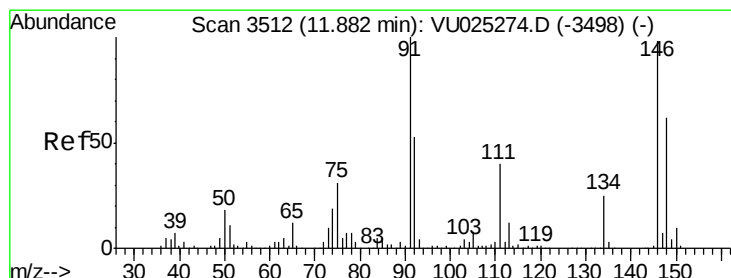
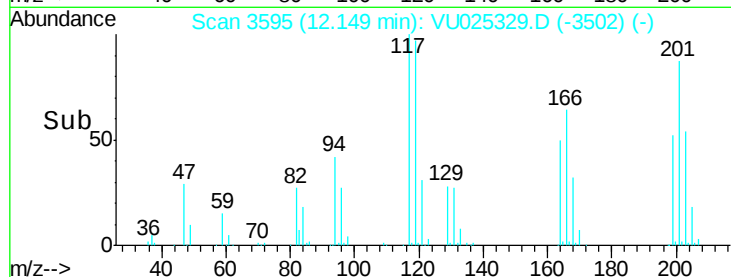
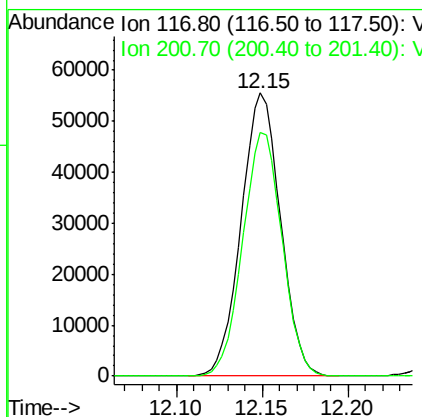
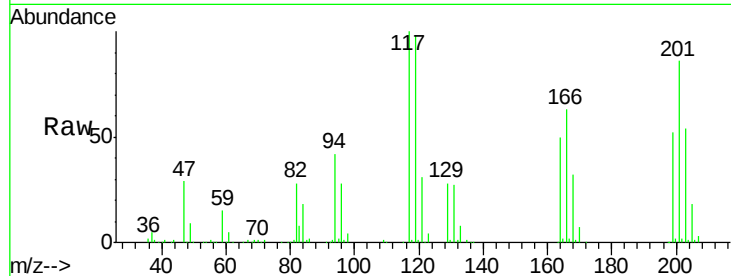
#90
Hexachloroethane
Concen: 50.80 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Instrument :
MSVOA_U
ClientSampleId :
SS037MW036-180709MSD

Tot Ion:117 Resp: 88386
Ion Ratio Lower Upper
117 100
201 86.0 42.5 127.6

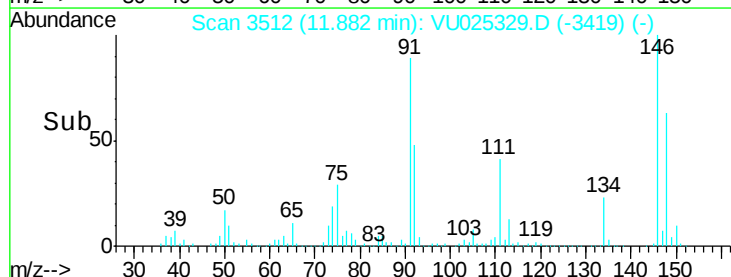
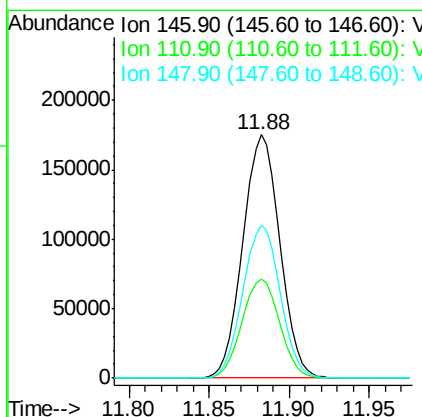
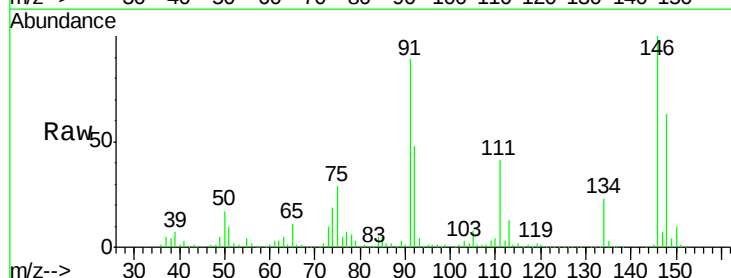
Manual Integrations
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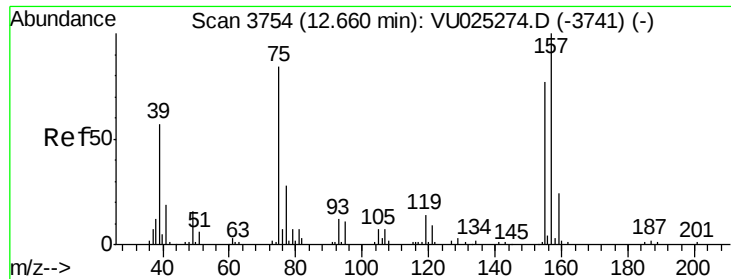
MMDadoda
7/12/2018 11:04:22 AM



#91
1,2-Dichlorobenzene
Concen: 50.46 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025329.D
Acq: 11 Jul 2018 21:09

Tgt Ion:146 Resp: 276201
Ion Ratio Lower Upper
146 100
111 41.6 20.6 61.8
148 63.6 31.5 94.5





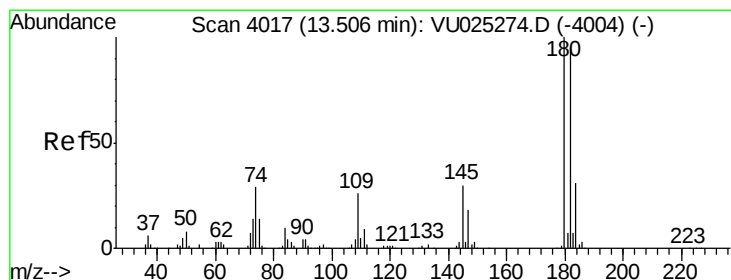
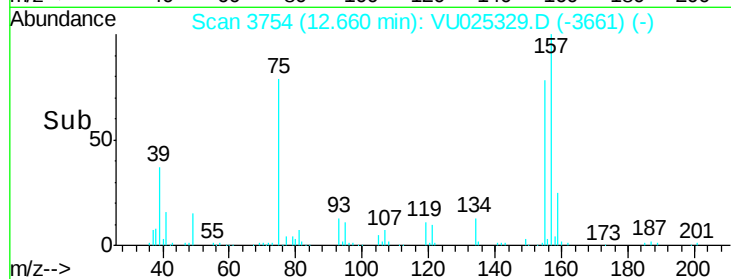
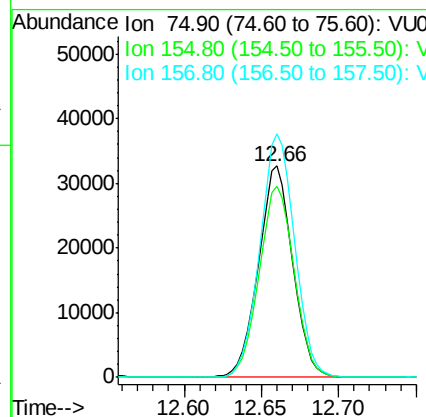
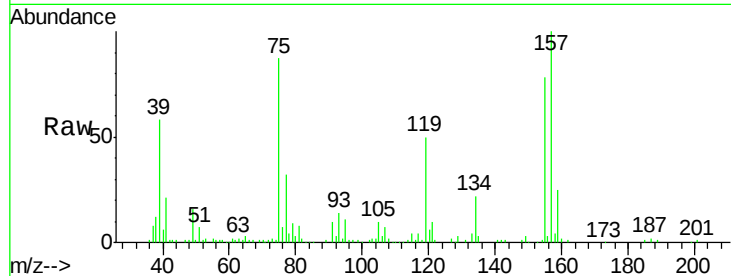
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.85 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.2	44.5	133.3
157	116.4	57.0	170.8

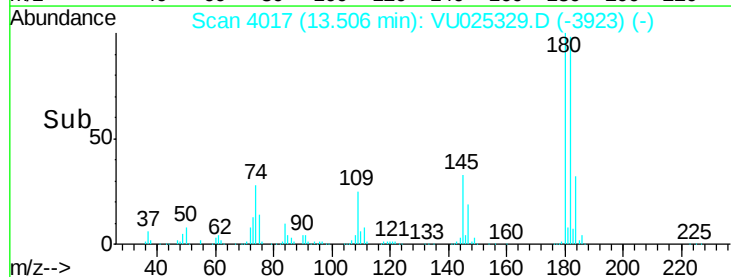
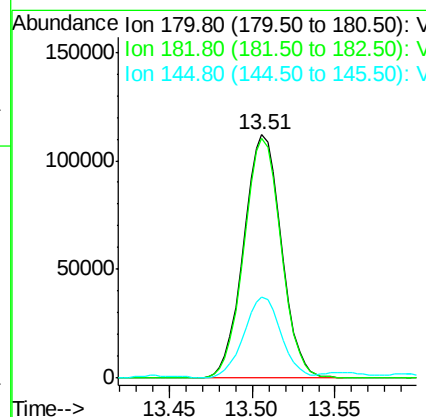
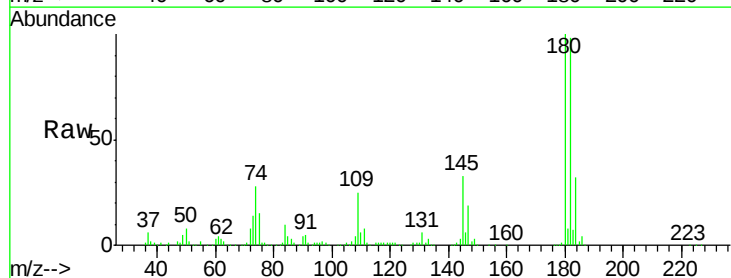
Manual Integrations
 APPROVED

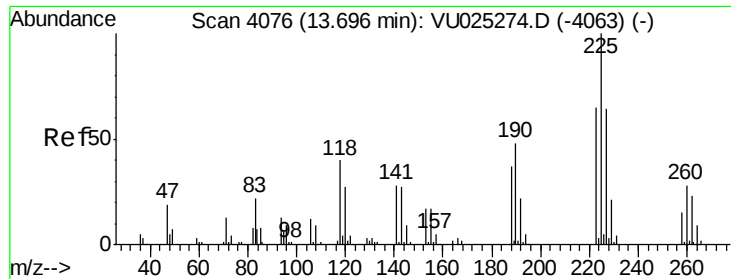
MMDadoda
 7/12/2018 11:04:22 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.49 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	141.9
145	32.2	14.9	44.7





#94

Hexachlorobutadiene

Concen: 49.32 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Instrument :

MSVOA_U

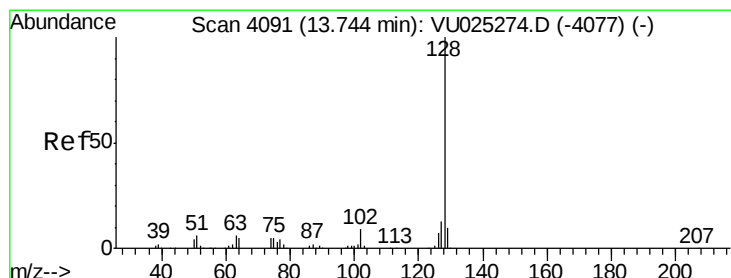
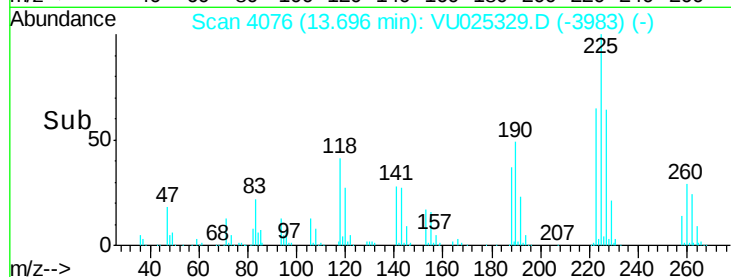
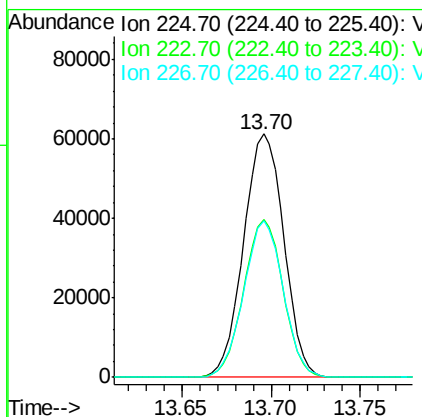
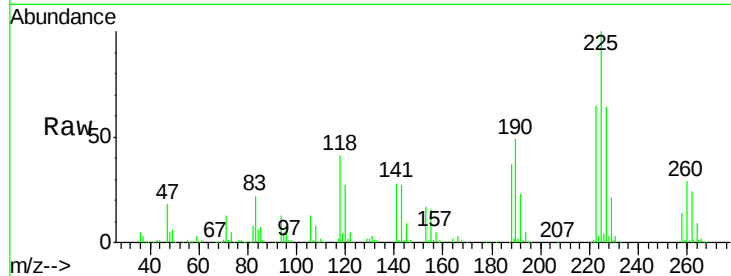
ClientSampleId :

SS037MW036-180709MSD

Tot Ion:	225	Resp:	96546
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.9	95.7
227	63.0	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:22 AM



#95

Naphthalene

Concen: 54.52 ug/l

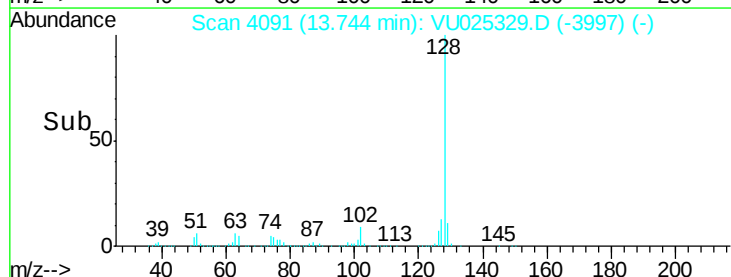
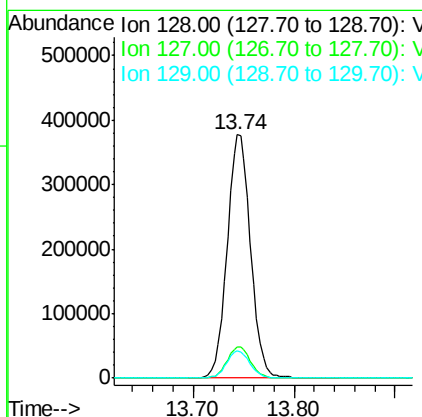
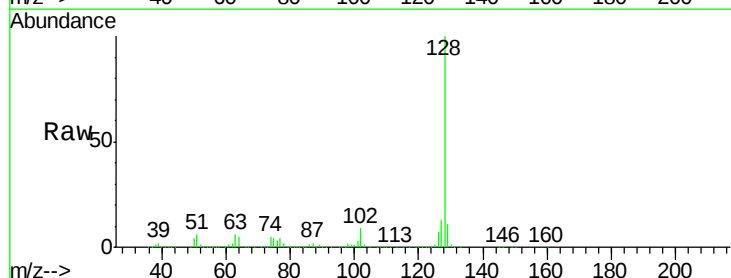
RT: 13.74 min Scan# 4091

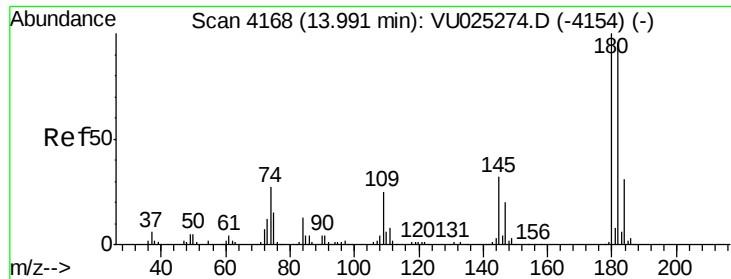
Delta R.T. 0.00 min

Lab File: VU025329.D

Acq: 11 Jul 2018 21:09

Tgt Ion:	128	Resp:	609893
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.2	8.3	12.5





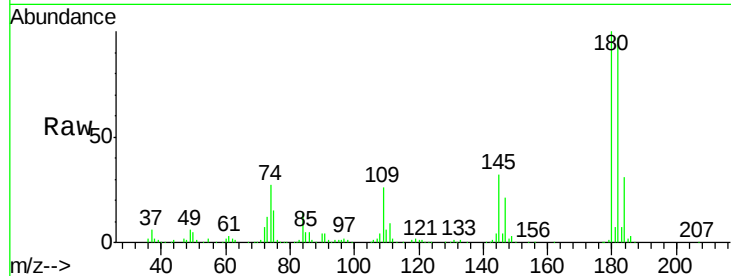
#96
 1,2,3-Trichlorobenzene
 Concen: 50.85 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025329.D
 Acq: 11 Jul 2018 21:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.5	47.8	143.3
145	34.6	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:22 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

