

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024502.D
 Acq On : 13 Jun 2018 12:42
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:32 AM

Quant Time: Jun 13 13:14:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310178	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173479	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	161489	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	
35) Dibromofluoromethane	4.89	113	129809	40.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.50%	
50) Toluene-d8	7.57	98	474811	39.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.76%	
62) 4-Bromofluorobenzene	10.31	95	186247	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	119205	40.221	ug/l	100
3) Chloromethane	1.33	50	115836	33.542	ug/l	100
4) Vinyl Chloride	1.40	62	125686	32.692	ug/l	99
5) Bromomethane	1.62	94	63196	29.913	ug/l	99
6) Chloroethane	1.70	64	74429	28.620	ug/l	100
7) Trichlorofluoromethane	1.89	101	188535	36.113	ug/l	98
8) Diethyl Ether	2.10	74	71051	34.042	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	118208	40.677	ug/l	98
10) Methyl Iodide	2.41	142	101208	54.928	ug/l	99
11) Tert butyl alcohol	2.82	59	181996	247.463	ug/l	99
12) 1,1-Dichloroethene	2.28	96	111107	40.812	ug/l	94
13) Acrolein	2.19	56	98292	128.392	ug/l	98
14) Allyl chloride	2.60	41	197962	42.860	ug/l	97
15) Acrylonitrile	2.94	53	385728	196.369	ug/l	99
16) Acetone	2.32	43	406171	164.336	ug/l	98
17) Carbon Disulfide	2.48	76	348866	41.652	ug/l	99
18) Methyl Acetate	2.62	43	181427	36.937	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	413159	48.294	ug/l	97
20) Methylene Chloride	2.71	84	126543	37.260	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	119400	40.875	ug/l	97
22) Diisopropyl ether	3.57	45	402483	43.247	ug/l	96
23) Vinyl Acetate	3.53	43	1844627	269.686	ug/l	99
24) 1,1-Dichloroethane	3.45	63	234653	40.271	ug/l	99
25) 2-Butanone	4.26	43	588419	199.093	ug/l	97
26) 2,2-Dichloropropane	4.23	77	218039	49.081	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	138036	43.488	ug/l	98
28) Bromochloromethane	4.55	49	110186	51.637	ug/l	89
29) Tetrahydrofuran	4.64	42	350425	207.771	ug/l	97
30) Chloroform	4.68	83	235405	39.873	ug/l	100
31) Cyclohexane	5.00	56	216825	37.523	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	213406	44.943	ug/l	96
36) 1,1-Dichloropropene	5.14	75	176568	39.889	ug/l	99
37) Ethyl Acetate	4.38	43	210491	42.412	ug/l	98
38) Carbon Tetrachloride	5.14	117	197238	46.794	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	219420	45.879	ug/l	96
40) Benzene	5.39	78	514215	38.541	ug/l	100
41) Methacrylonitrile	4.54	41	113791	40.911	ug/l	99
42) 1,2-Dichloroethane	5.41	62	194589	38.082	ug/l	100
43) Isopropyl Acetate	5.55	43	334721	44.283	ug/l	97
44) Trichloroethene	6.19	130	141749	40.775	ug/l	97
45) 1,2-Dichloropropane	6.44	63	137232	38.272	ug/l	99
46) Dibromomethane	6.56	93	98191	41.363	ug/l	99
47) Bromodichloromethane	6.76	83	190225	41.418	ug/l	98
48) Methyl methacrylate	6.63	41	166426	44.913	ug/l	100
49) 1,4-Dioxane	6.61	88	60387	772.457	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1064211	195.149	ug/l	99
52) Toluene	7.64	92	327004	41.299	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	218750	45.800	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	228784	43.901	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	128888	37.943	ug/l	99
56) Ethyl methacrylate	8.02	69	221680	50.073	ug/l	99
57) 1,3-Dichloropropane	8.25	76	223970	38.394	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	442436	194.311	ug/l	96
59) 2-Hexanone	8.36	43	855730	196.135	ug/l	100
60) Dibromochloromethane	8.48	129	162447	47.132	ug/l	100
61) 1,2-Dibromoethane	8.59	107	146257	41.166	ug/l	99
64) Tetrachloroethene	8.23	164	139511	47.884	ug/l	99
65) Chlorobenzene	9.12	112	368774	43.237	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	138316	47.247	ug/l	98
67) Ethyl Benzene	9.25	91	644129	46.839	ug/l	97
68) m/p-Xylenes	9.38	106	494852	94.464	ug/l	98
69) o-Xylene	9.78	106	242084	50.135	ug/l	97
70) Styrene	9.80	104	404963	49.257	ug/l	98
71) Bromoform	9.96	173	130235	51.541	ug/l #	99
73) Isopropylbenzene	10.17	105	651781	54.498	ug/l	98
74) N-amyl acetate	10.01	43	310354	57.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	211831	40.836	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	188385m	51.774	ug/l	
77) Bromobenzene	10.45	156	165582	49.999	ug/l	97
78) n-propylbenzene	10.59	91	772923	52.128	ug/l	97
79) 2-Chlorotoluene	10.66	91	448992	49.888	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	556275	54.846	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	80572m	46.976	ug/l	
82) 4-Chlorotoluene	10.78	91	529463	50.707	ug/l	99
83) tert-Butylbenzene	11.10	119	538380	54.531	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	577535	56.350	ug/l	100
85) sec-Butylbenzene	11.33	105	681754	54.999	ug/l	97
86) p-Isopropyltoluene	11.48	119	606761	55.387	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	304794	47.885	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	306820	46.048	ug/l	99
89) n-Butylbenzene	11.89	91	558562	51.818	ug/l	97
90) Hexachloroethane	12.15	117	115428	58.775	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	302359	47.504	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	62519	59.045	ug/l	96

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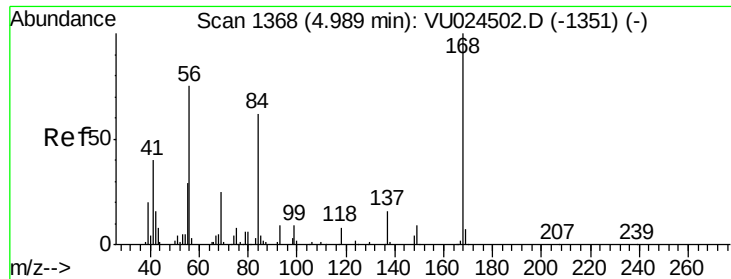
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	211618	56.286	ug/l	99
94) Hexachlorobutadiene	13.70	225	107429	48.104	ug/l	99
95) Naphthalene	13.74	128	654365	63.651	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	213108	56.094	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 195529

Ion Ratio Lower Upper

168 100

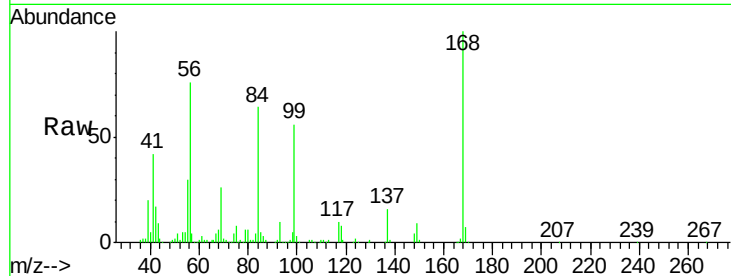
99 55.6 43.2 64.8

Manual Integrations

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

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

4.99

80000

60000

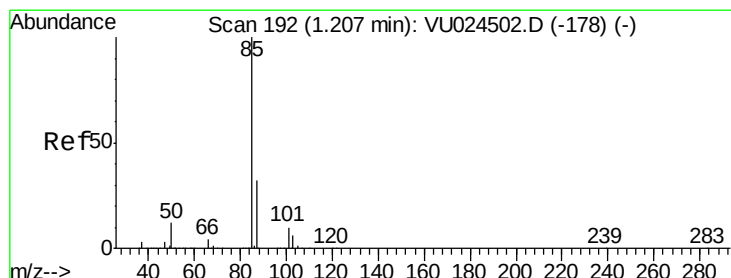
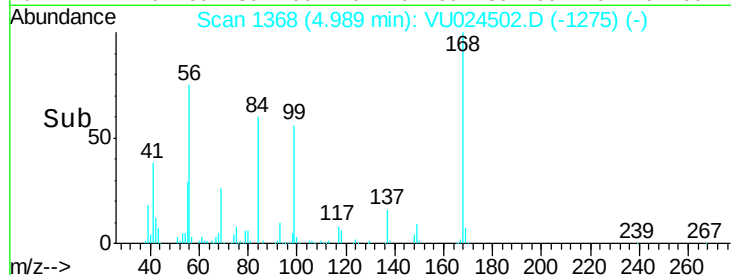
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.221 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024502.D

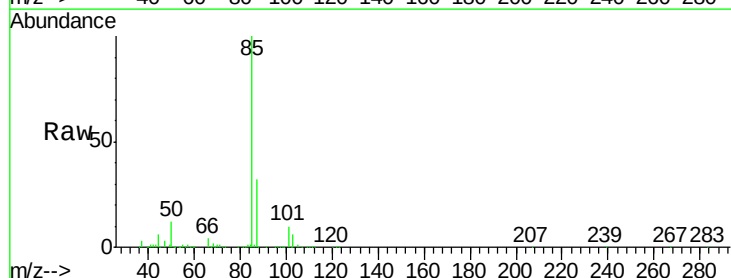
Acq: 13 Jun 2018 12:42

Tgt Ion: 85 Resp: 119205

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



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

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

1.21

120000

100000

80000

60000

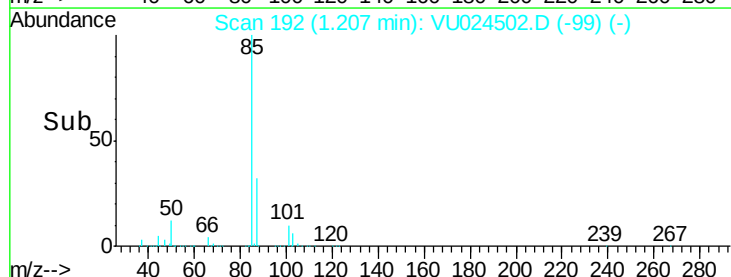
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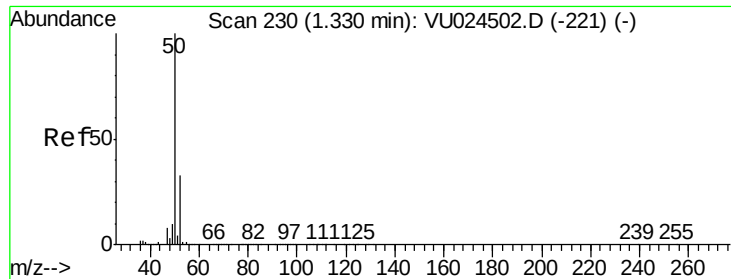
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 33.542 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 115836

Ion Ratio Lower Upper

50 100

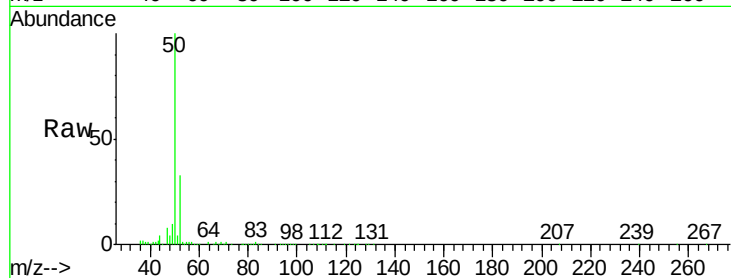
52 32.8 26.4 39.6

Manual Integrations

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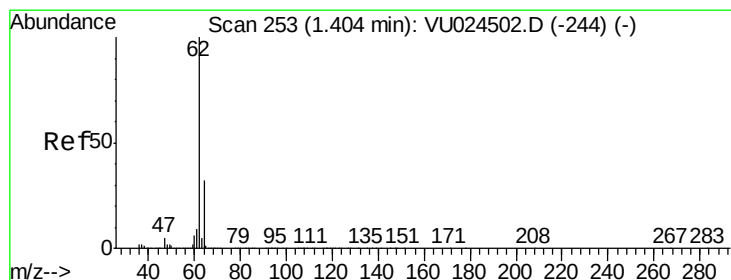
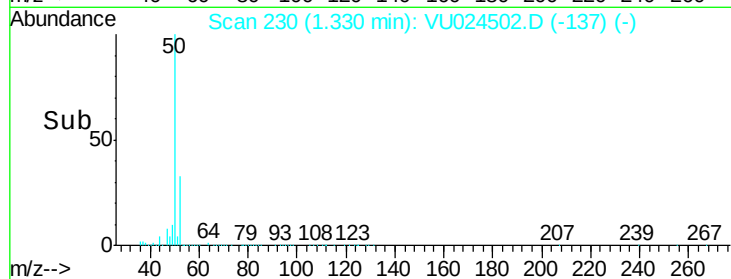
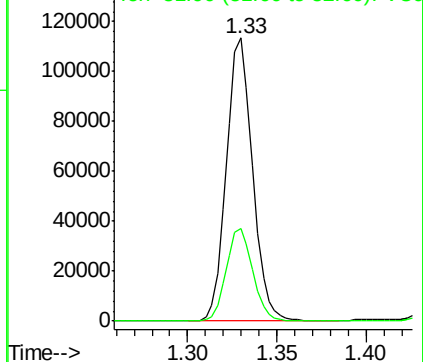
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 32.692 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024502.D

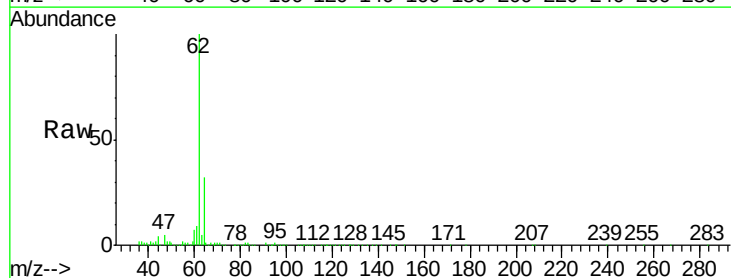
Acq: 13 Jun 2018 12:42

Tgt Ion: 62 Resp: 125686

Ion Ratio Lower Upper

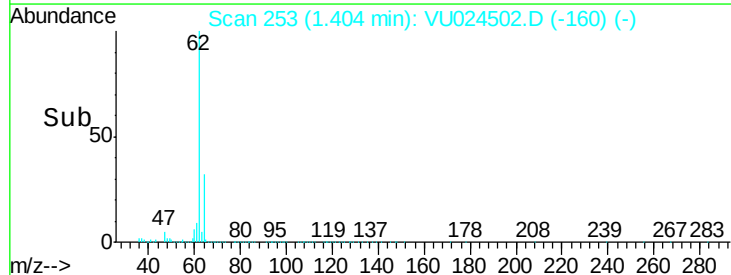
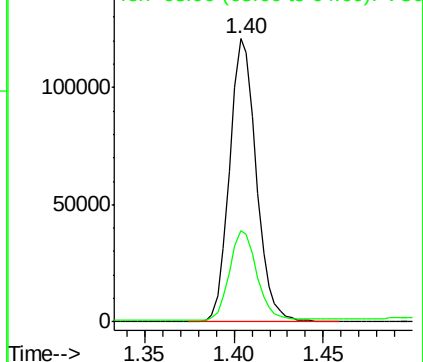
62 100

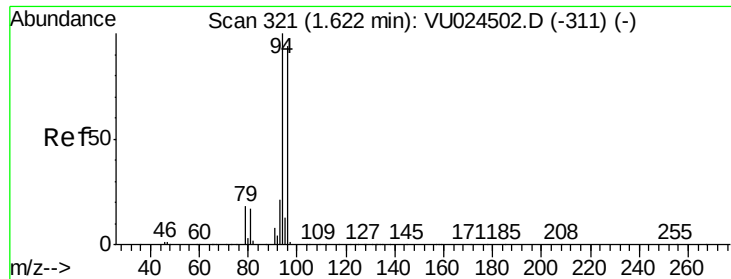
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 29.913 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 63196

Ion Ratio Lower Upper

94 100

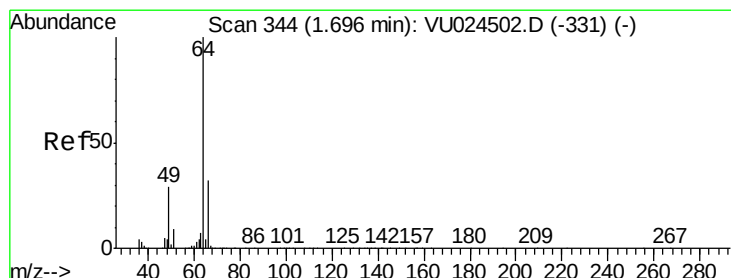
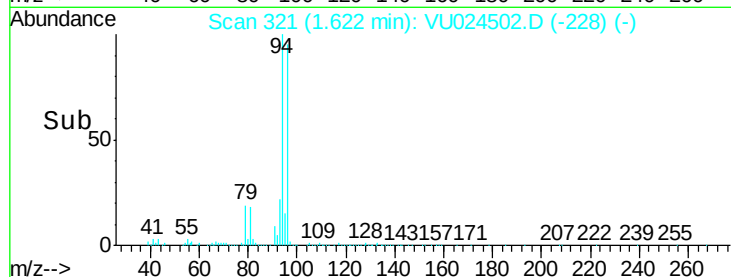
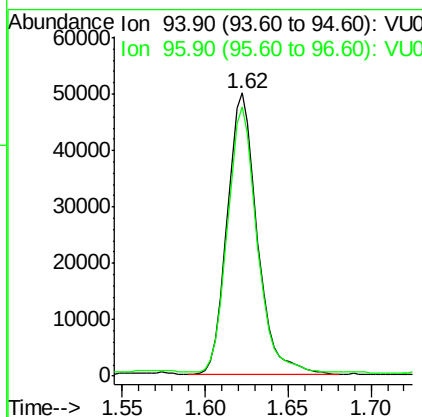
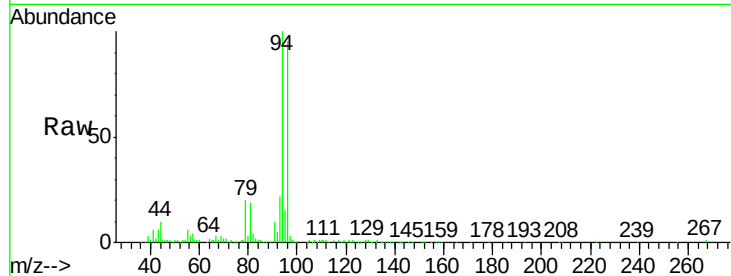
96 94.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 28.620 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024502.D

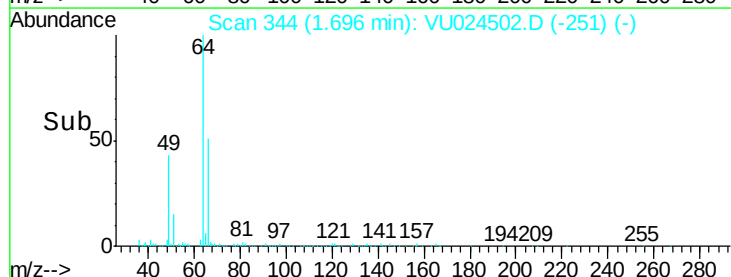
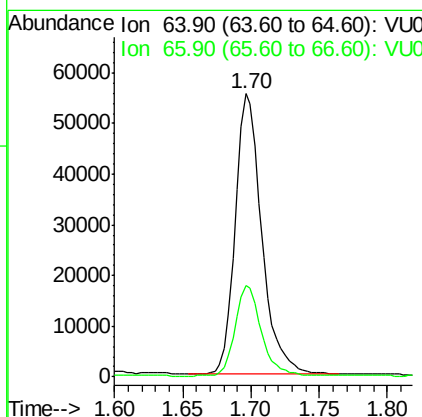
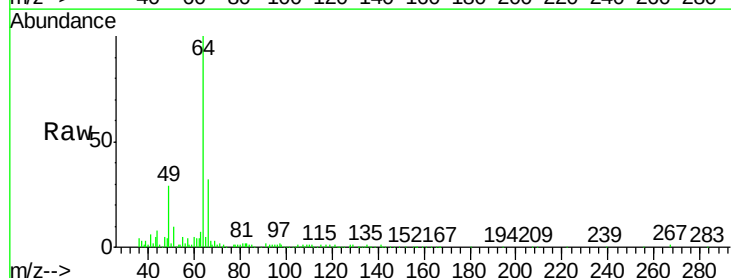
Acq: 13 Jun 2018 12:42

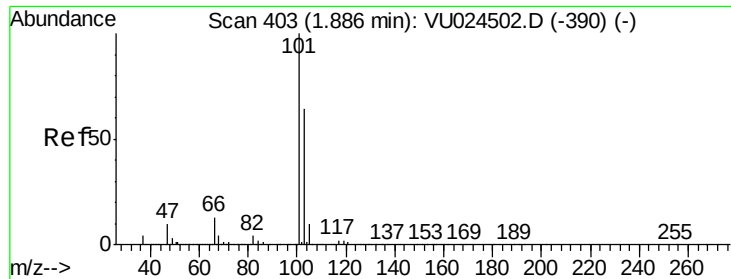
Tgt Ion: 64 Resp: 74429

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

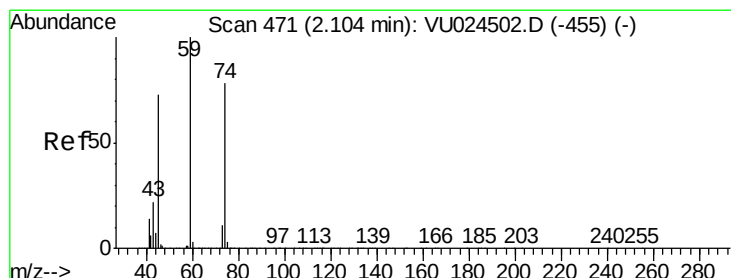
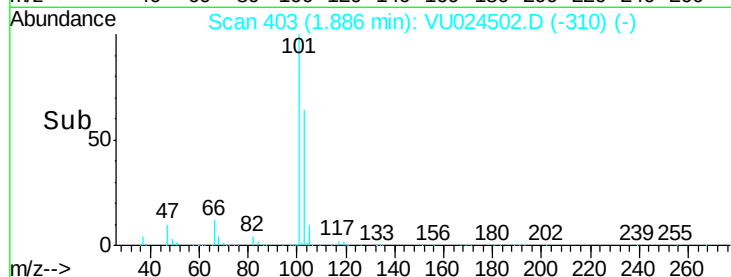
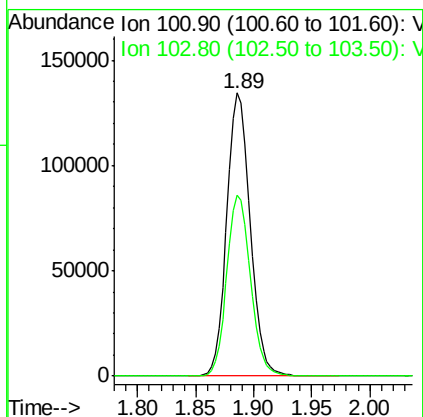
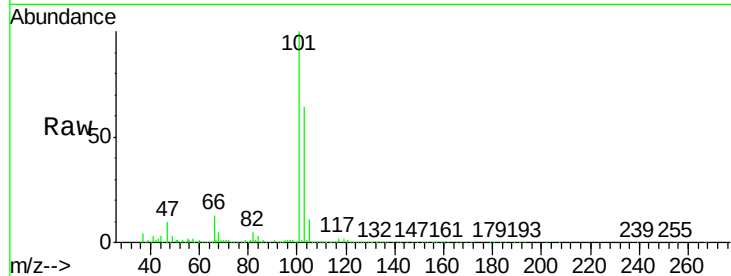
Trichlorofluoromethane
Concen: 36.113 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	188535		
103	64.1	52.3	78.5	

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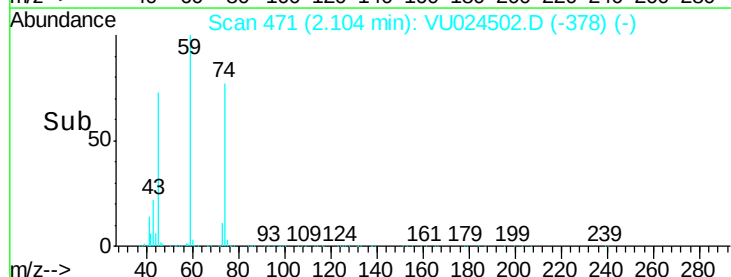
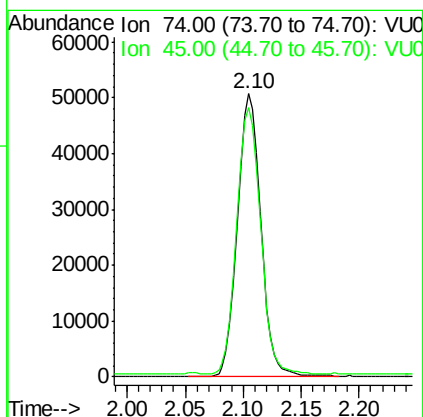
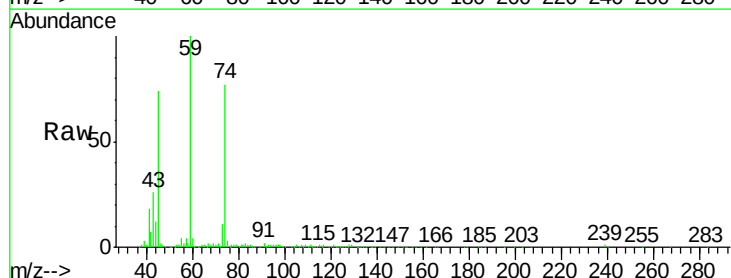
MMDadoda
6/14/2018 9:44:32 AM

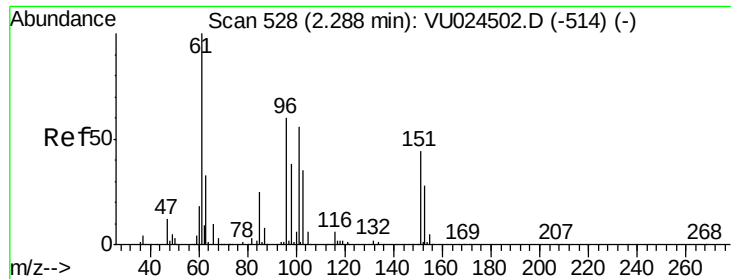


#8

Diethyl Ether
Concen: 34.042 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	71051		
45	95.1	55.0	165.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.677 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

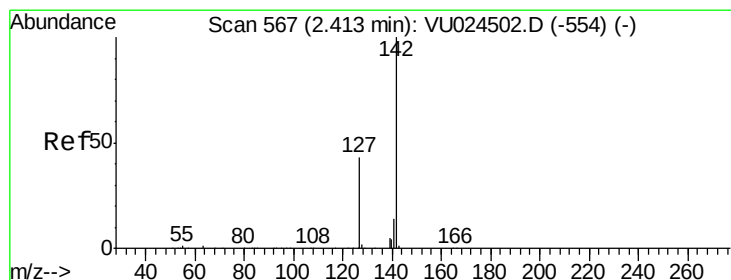
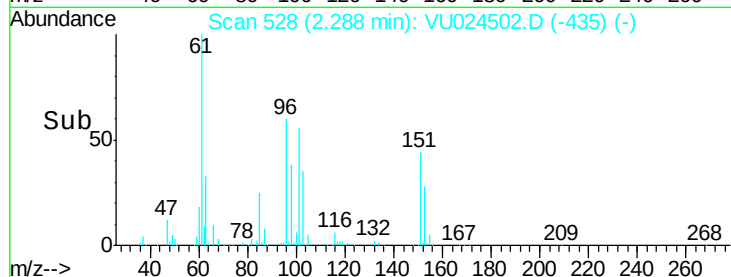
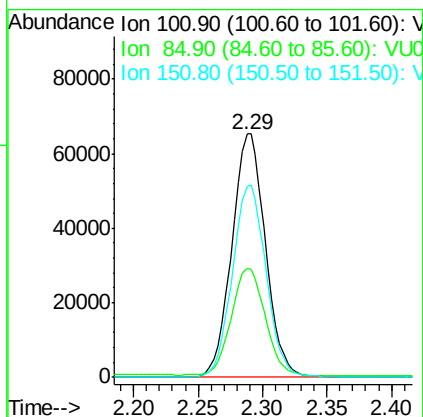
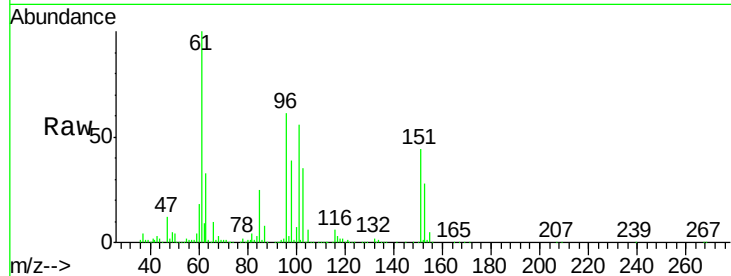
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	118208
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	79.3	62.3	93.5

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#10

Methyl Iodide

Concen: 54.928 ug/l

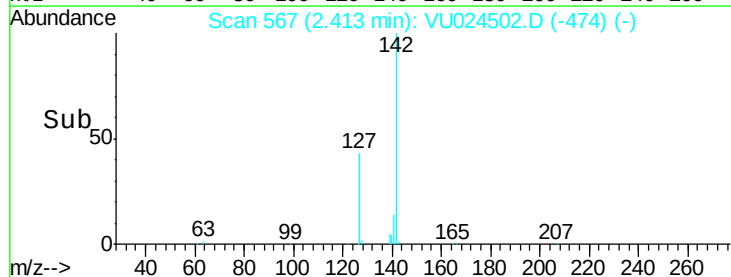
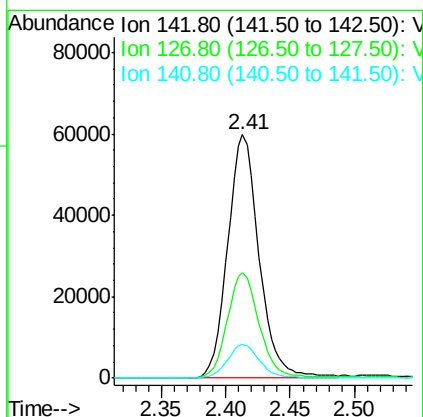
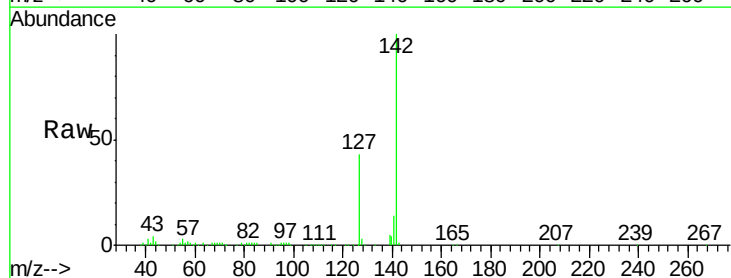
RT: 2.41 min Scan# 567

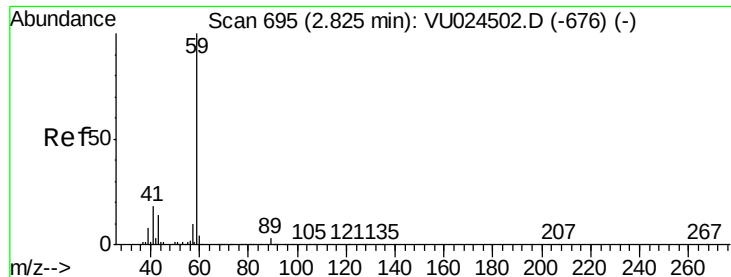
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	142	Resp:	101208
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.6	53.4
141	14.3	11.7	17.5





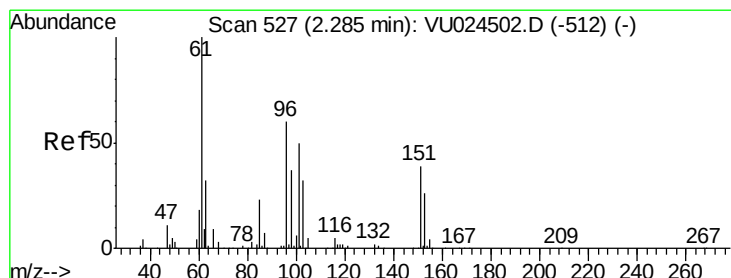
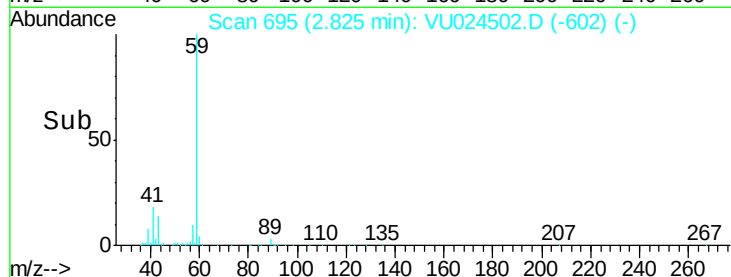
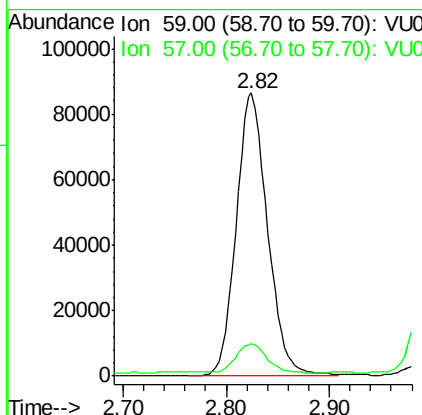
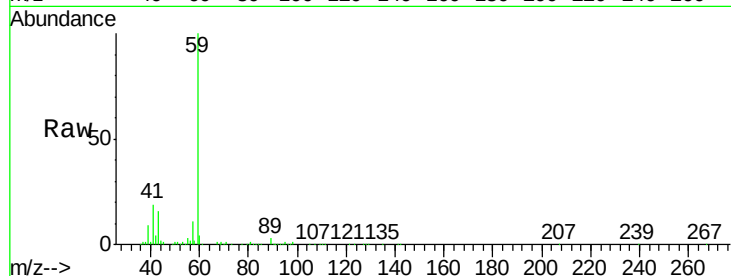
#11
Tert butyl alcohol
Concen: 247.463 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

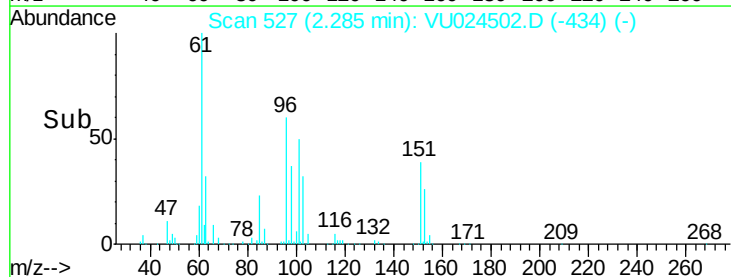
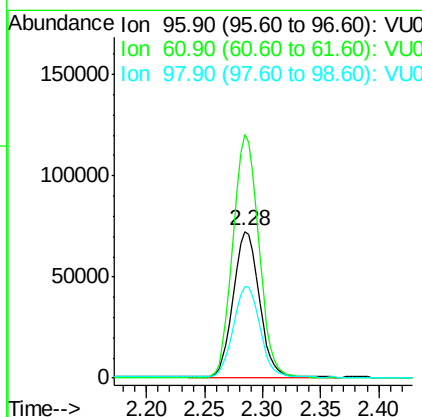
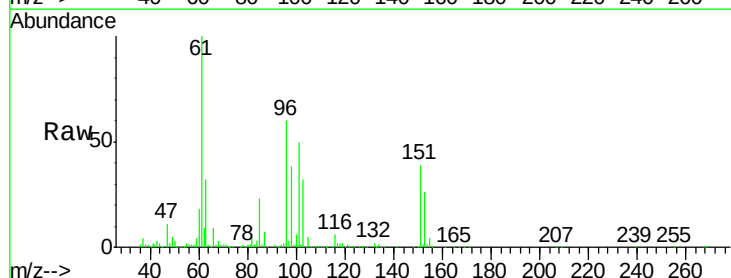
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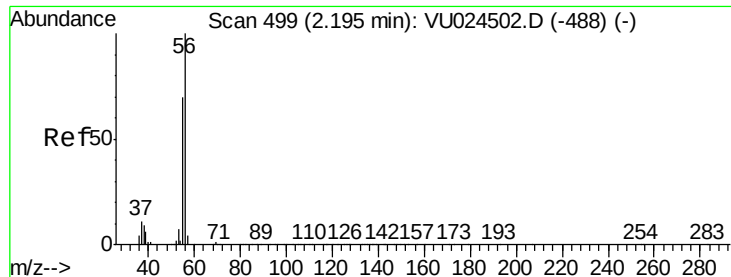
MMDadoda
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#12
1,1-Dichloroethene
Concen: 40.812 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	141.7	212.5
98	62.3	51.6	77.4





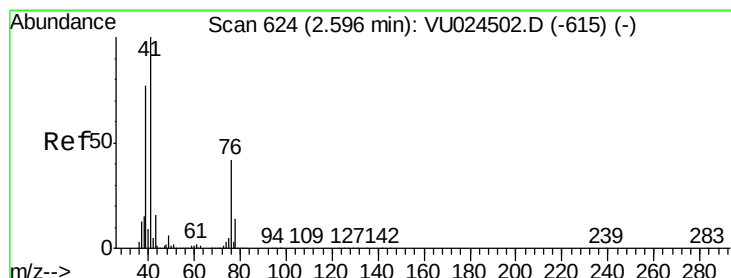
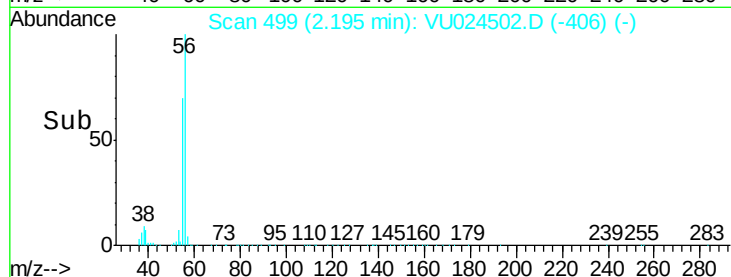
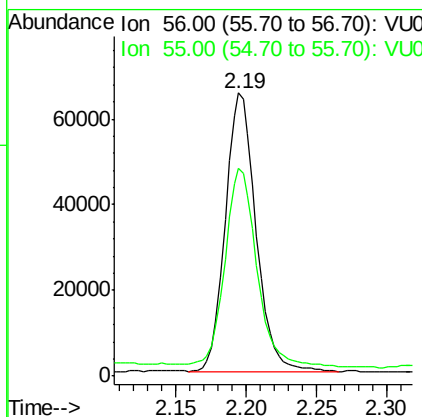
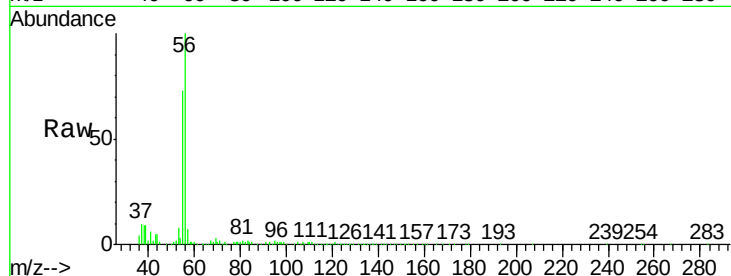
#13
Acrolein
Concen: 128.392 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	75.0	58.4	87.6

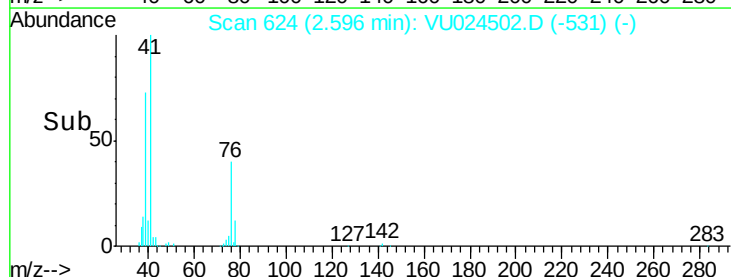
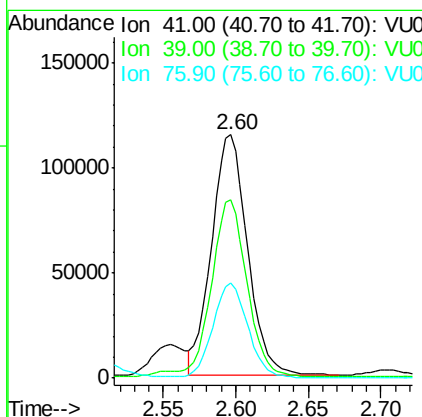
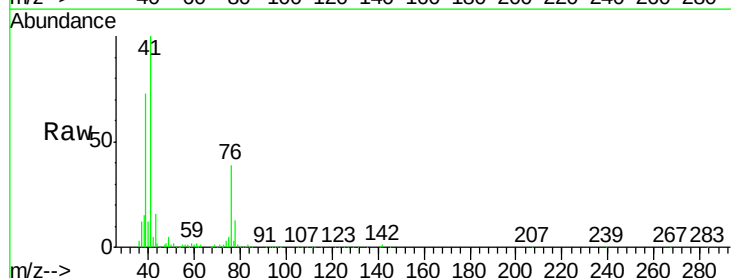
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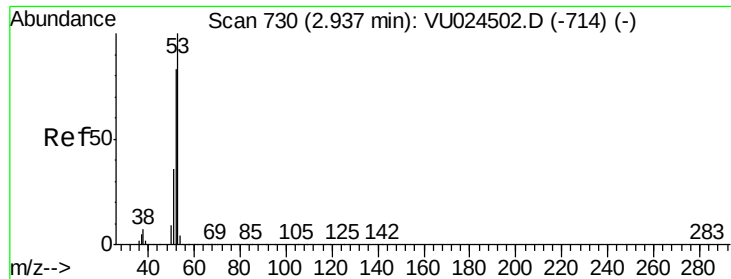
MMDadoda
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#14
Allyl chloride
Concen: 42.860 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	61.6	92.4
76	38.2	29.7	44.5





#15

Acrylonitrile

Concen: 196.369 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 385728

Ion Ratio Lower Upper

53 100

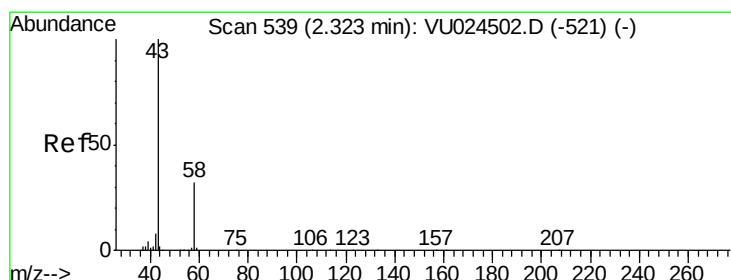
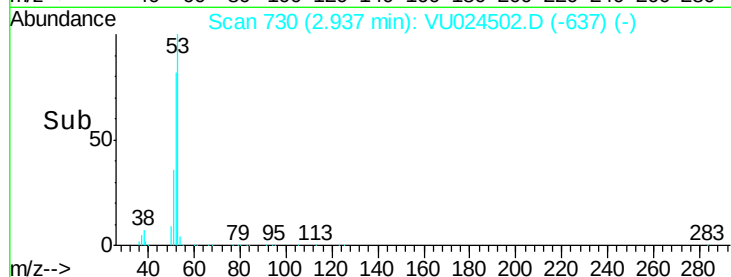
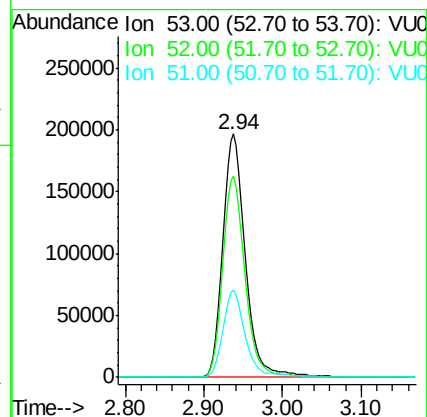
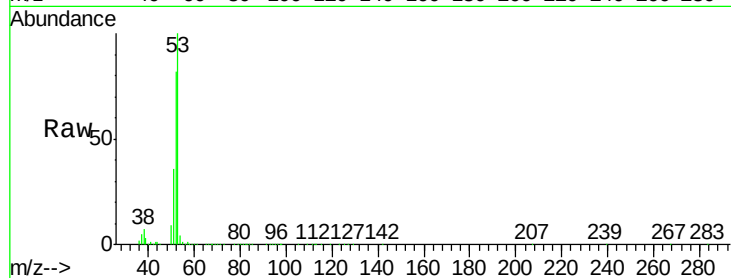
52 82.6 67.1 100.7

51 35.7 28.4 42.6

Manual Integrations
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#16

Acetone

Concen: 164.336 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024502.D

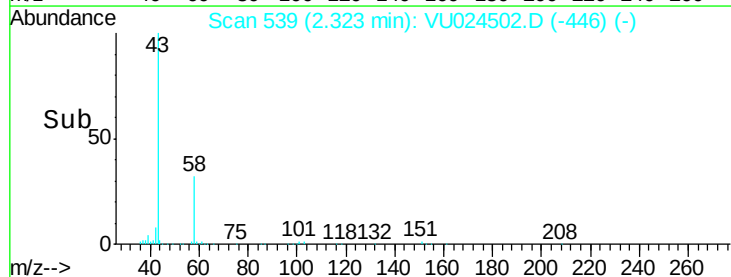
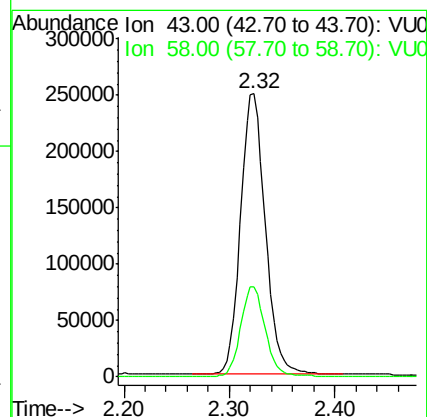
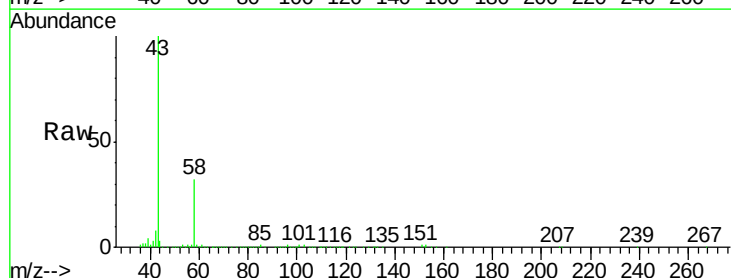
Acq: 13 Jun 2018 12:42

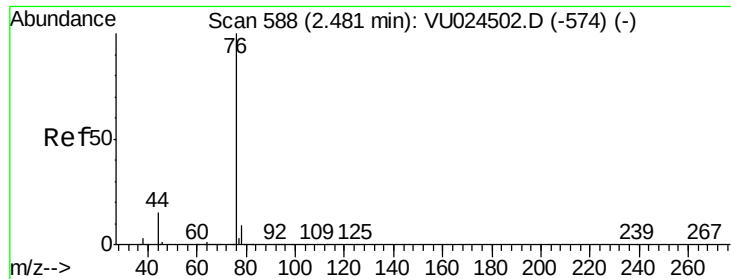
Tgt Ion: 43 Resp: 406171

Ion Ratio Lower Upper

43 100

58 31.8 24.4 36.6





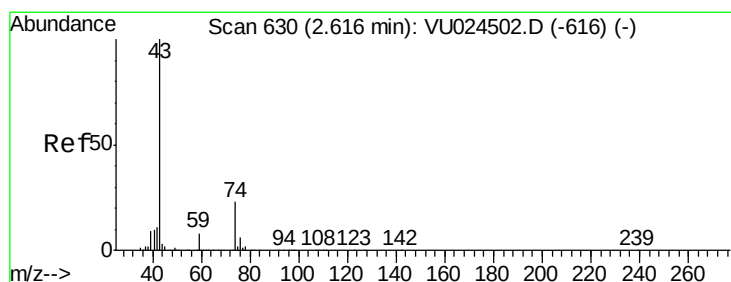
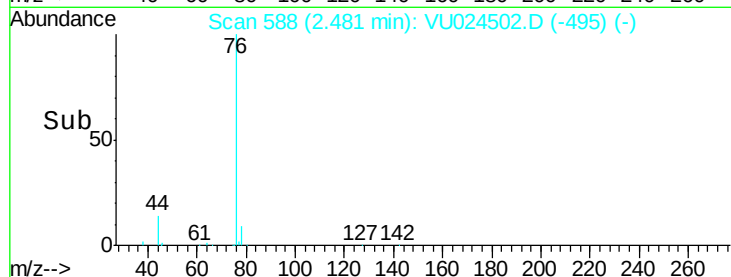
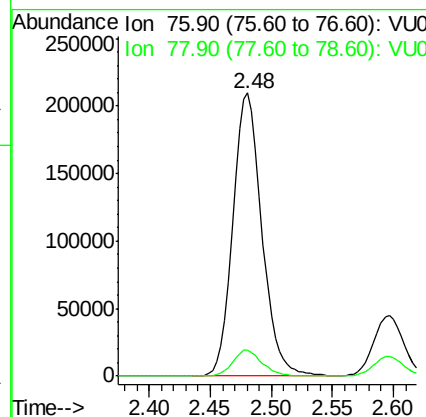
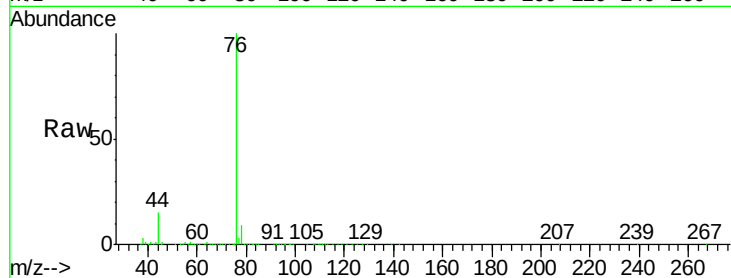
#17
Carbon Disulfide
Concen: 41.652 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

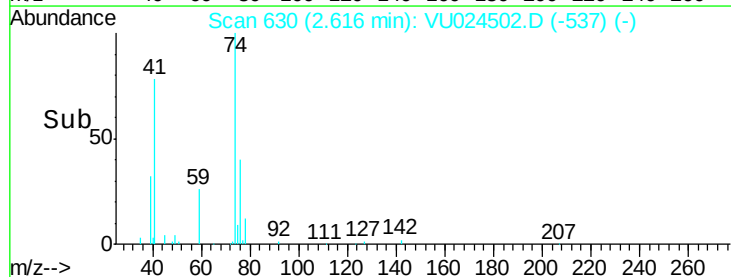
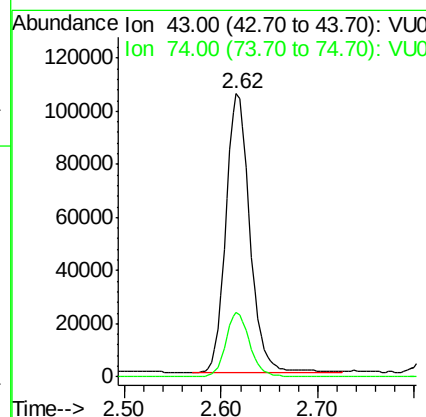
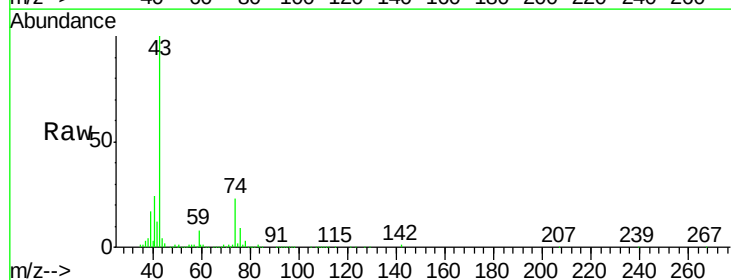
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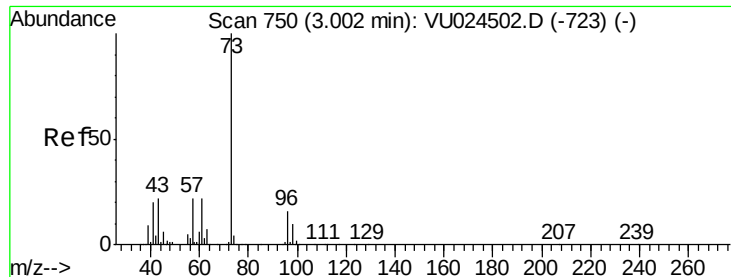
MMDadoda
6/14/2018 9:44:32 AM



#18
Methyl Acetate
Concen: 36.937 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.0	27.0





#19

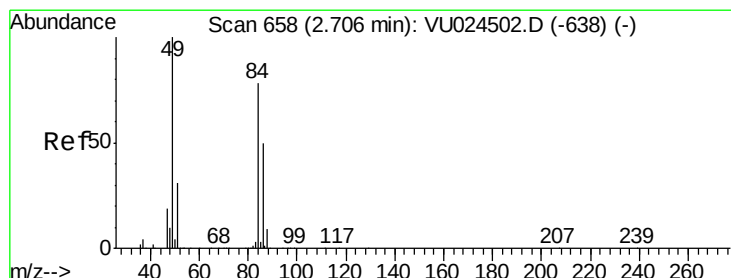
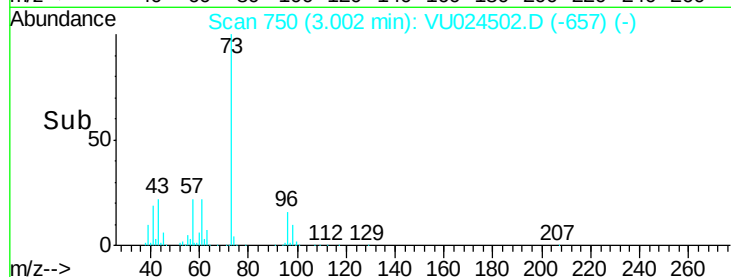
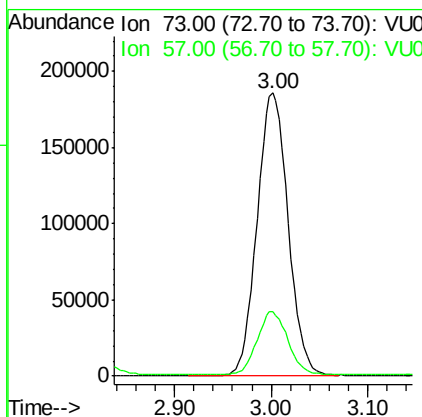
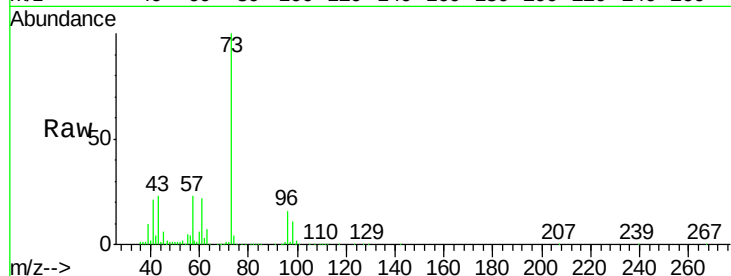
Methyl tert-butyl Ether
 Concen: 48.294 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.8	28.2

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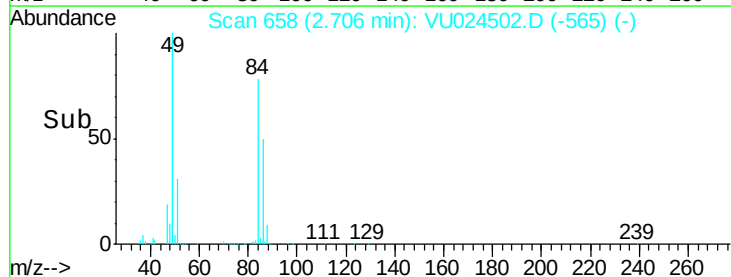
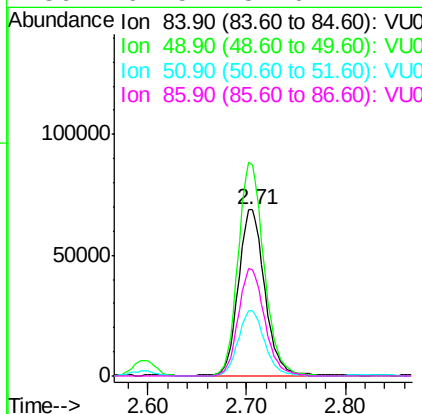
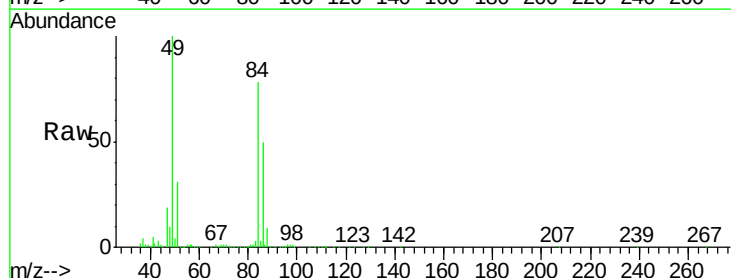
MMDadoda
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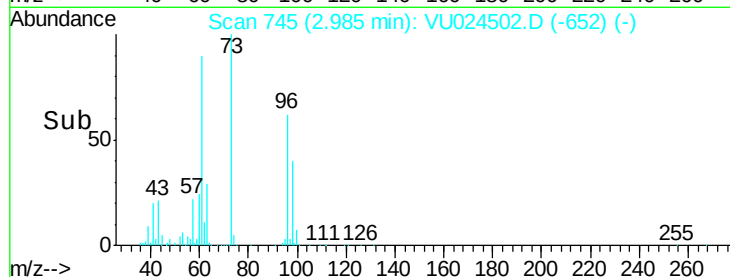
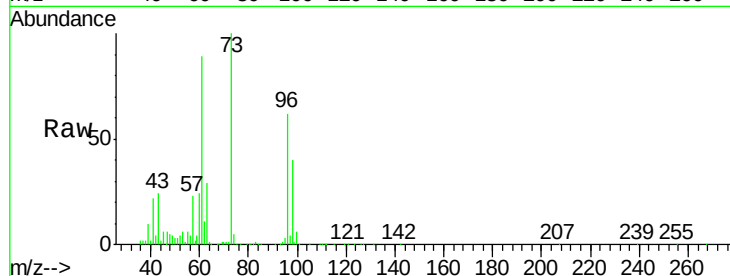
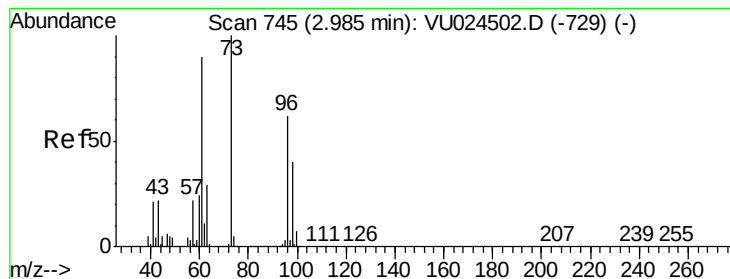


#20

Methylene Chloride
 Concen: 37.260 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.8	103.8	155.8
51	39.4	32.0	48.0
86	64.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 40.875 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024502.D

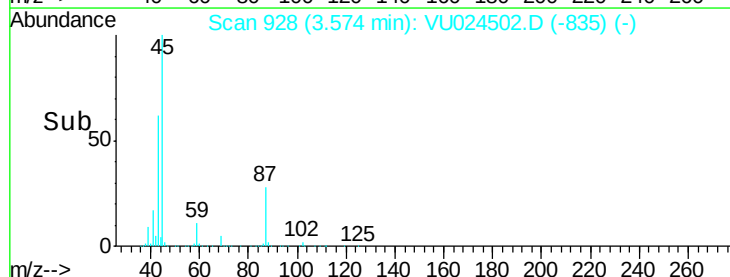
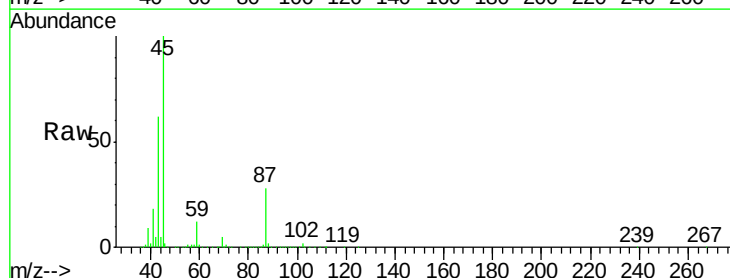
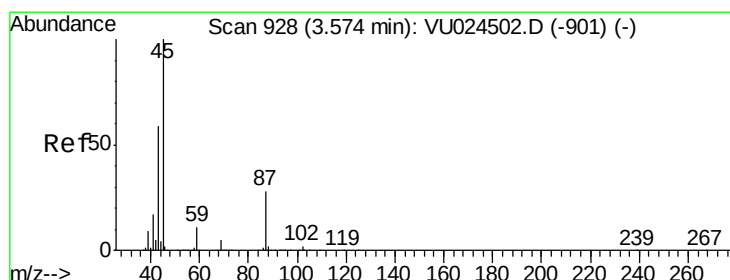
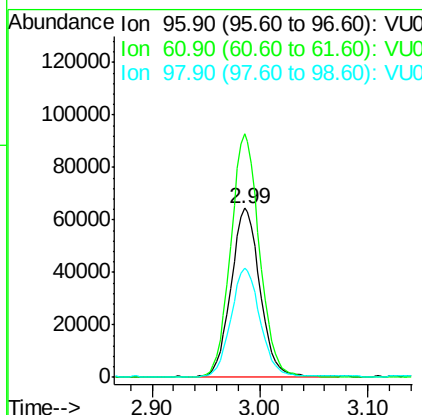
Acq: 13 Jun 2018 12:42

Tgt Ion:	96	Resp:	119400
Ion	Ratio	Lower	Upper
96	100		
61	144.5	119.4	179.0
98	64.2	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.247 ug/l

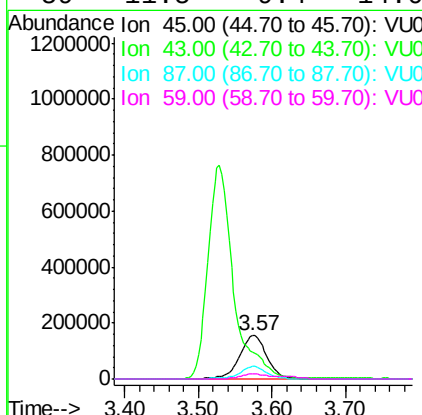
RT: 3.57 min Scan# 928

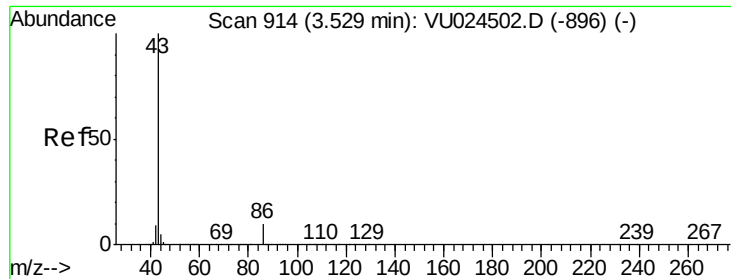
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	45	Resp:	402483
Ion	Ratio	Lower	Upper
45	100		
43	60.6	45.8	68.6
87	28.3	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 269.686 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1844627

Ion Ratio Lower Upper

43 100

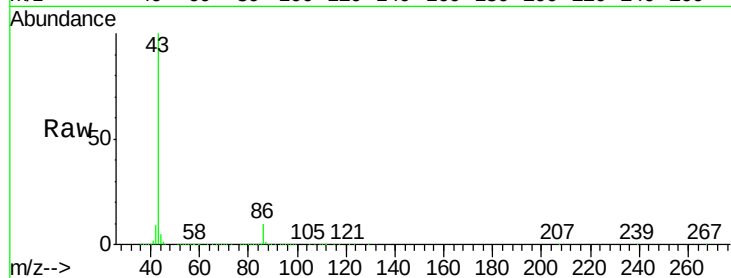
86 10.1 7.8 11.8

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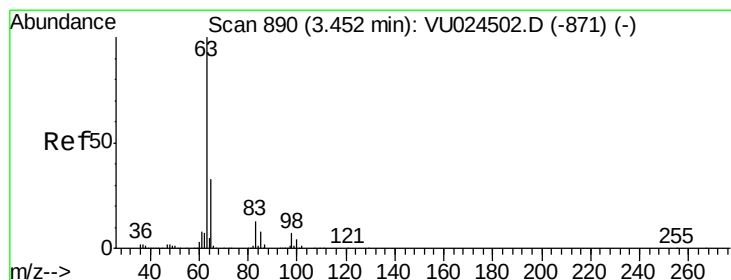
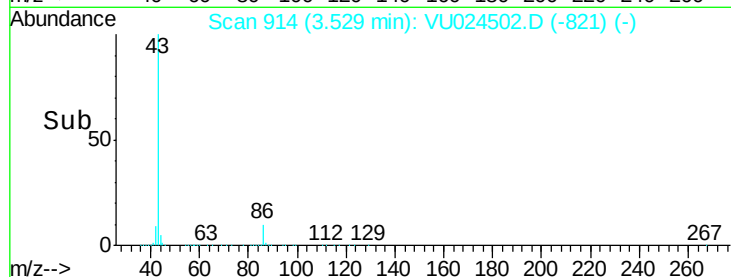
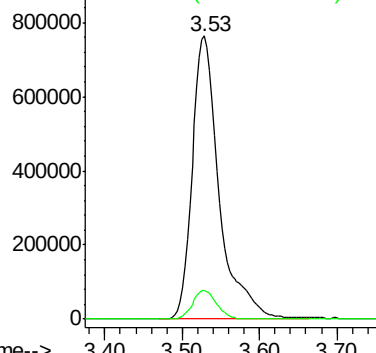
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 40.271 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

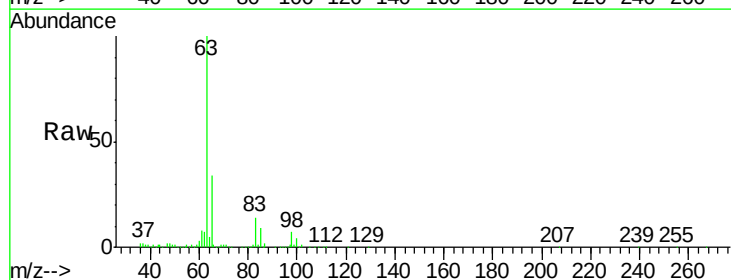
Tgt Ion: 63 Resp: 234653

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

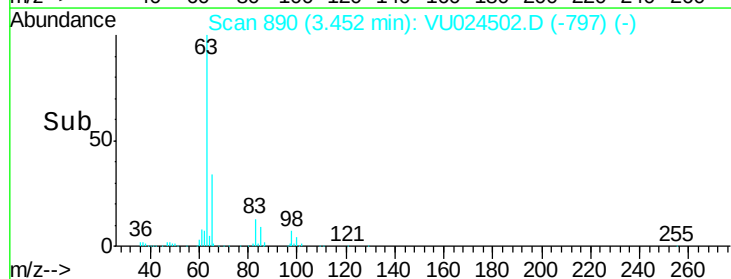
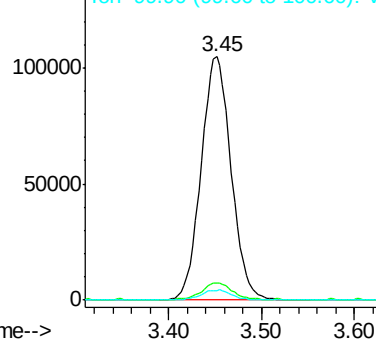
100 4.1 1.8 5.5

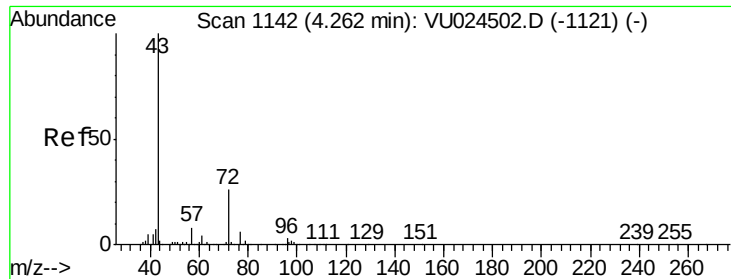


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 199.093 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 588419

Ion Ratio Lower Upper

43 100

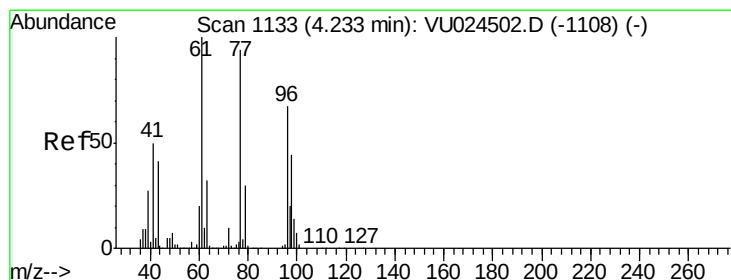
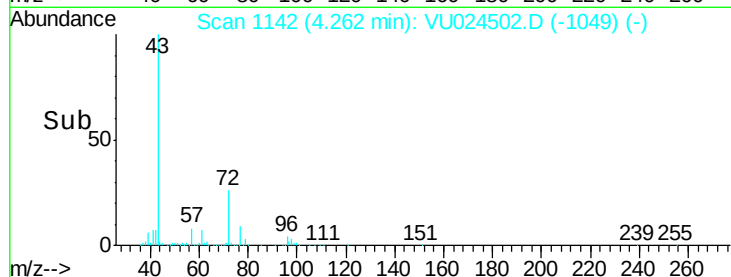
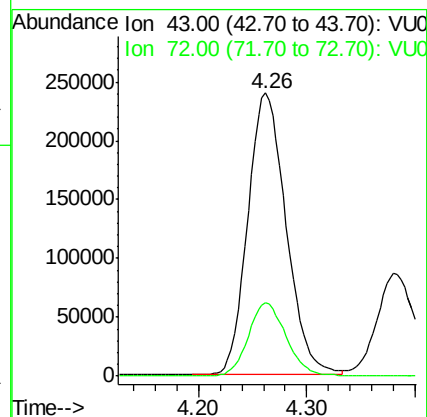
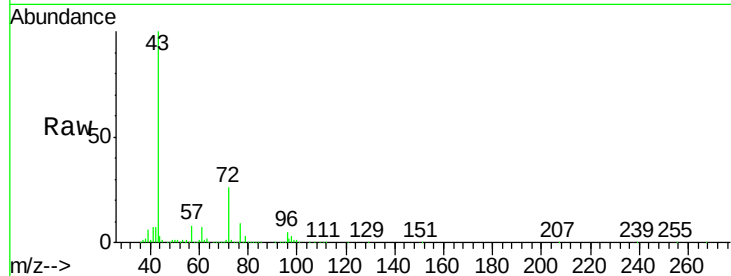
72 26.1 19.6 29.4

Manual Integrations

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MMDadoda

6/14/2018 9:44:32 AM



#26

2,2-Dichloropropane

Concen: 49.081 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024502.D

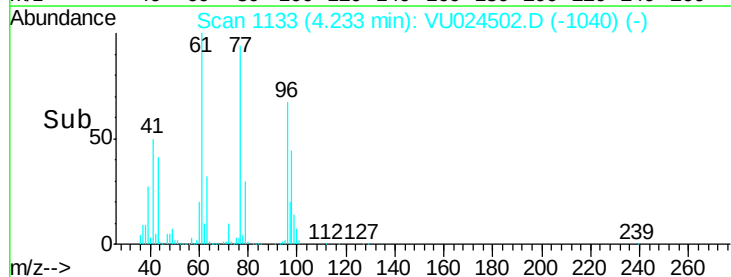
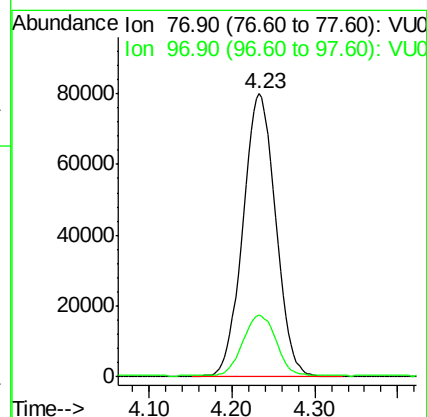
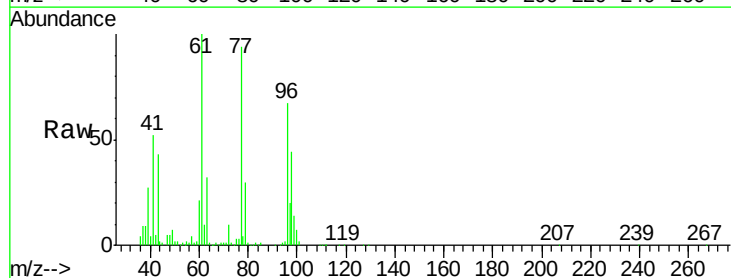
Acq: 13 Jun 2018 12:42

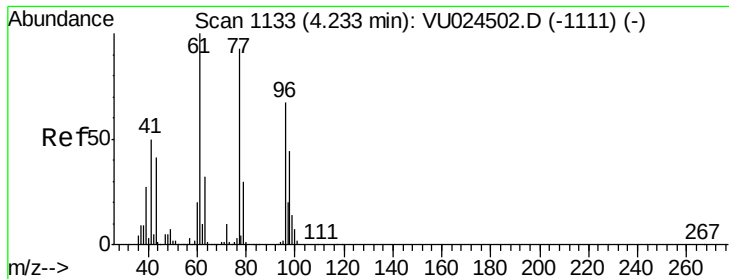
Tgt Ion: 77 Resp: 218039

Ion Ratio Lower Upper

77 100

97 21.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 43.488 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 138036

Ion Ratio Lower Upper

96 100

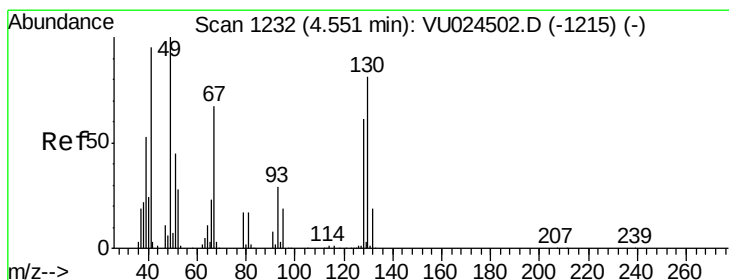
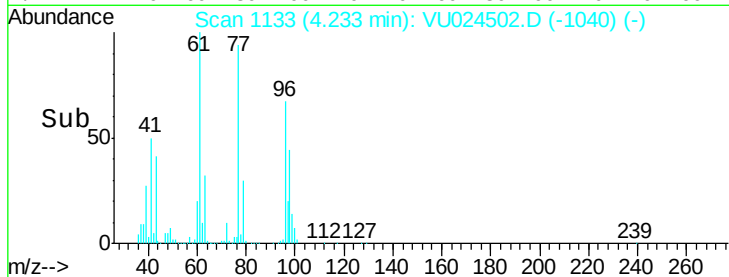
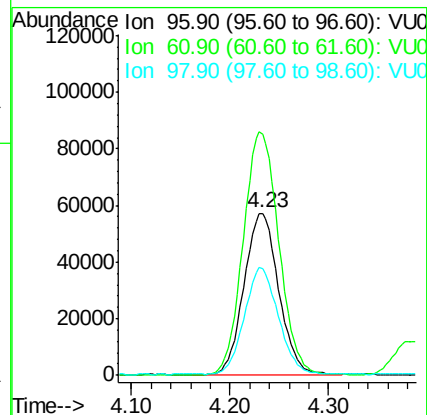
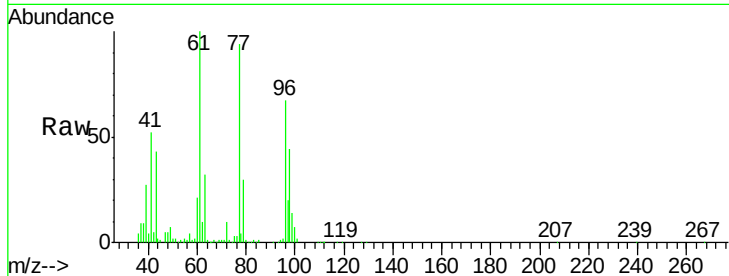
61 156.2 0.0 306.6

98 65.1 0.0 128.8

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6/14/2018 9:44:32 AM



#28

Bromochloromethane

Concen: 51.637 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

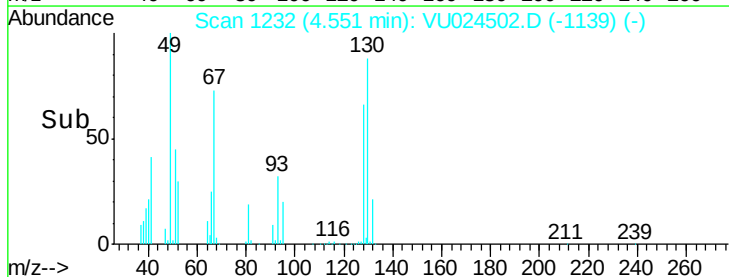
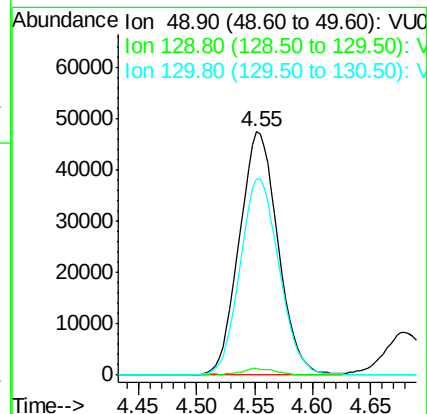
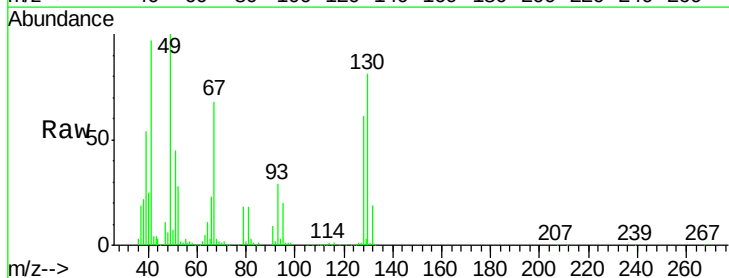
Tgt Ion: 49 Resp: 110186

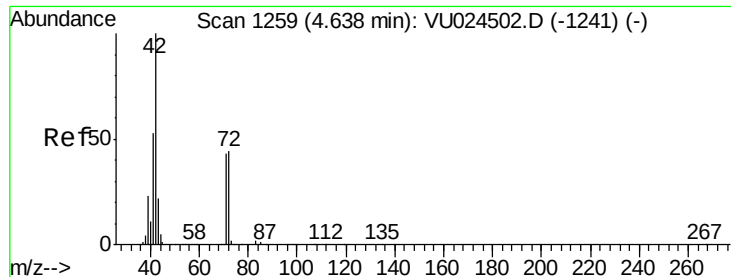
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 81.9 57.8 86.6





#29

Tetrahydrofuran

Concen: 207.771 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

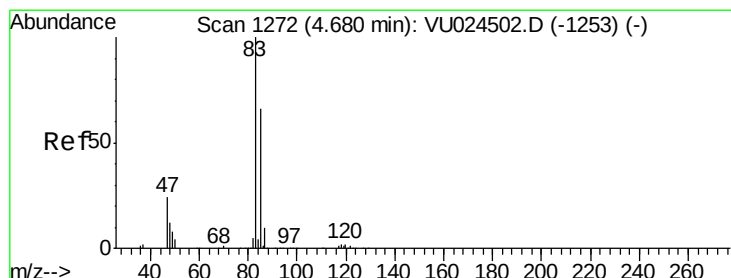
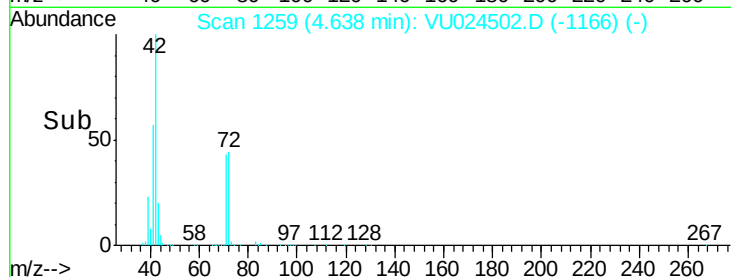
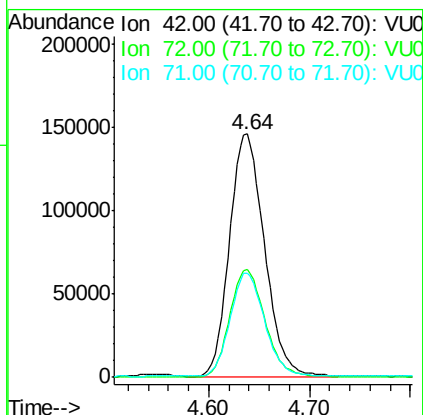
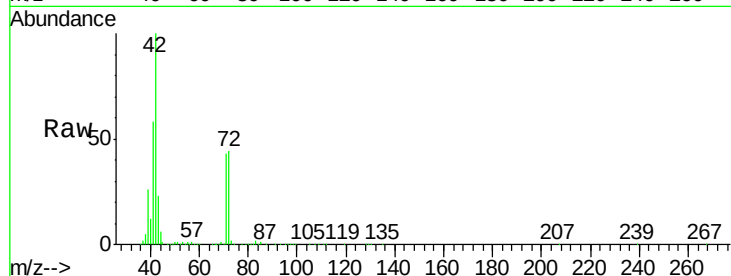
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.5	51.7
71	42.1	32.2	48.4

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#30

Chloroform

Concen: 39.873 ug/l

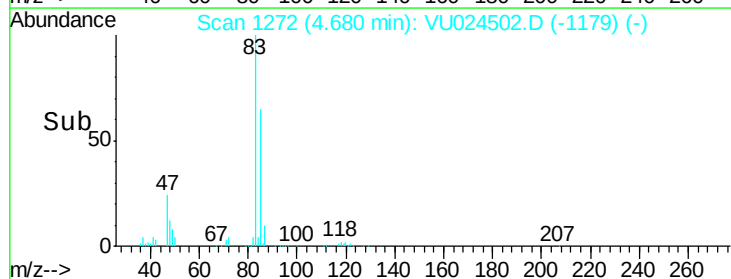
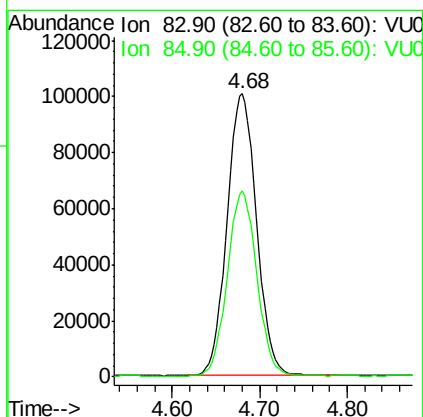
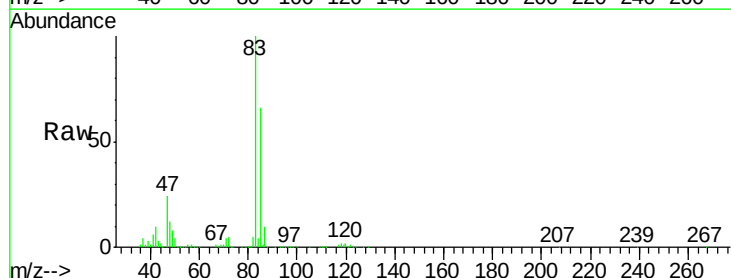
RT: 4.68 min Scan# 1272

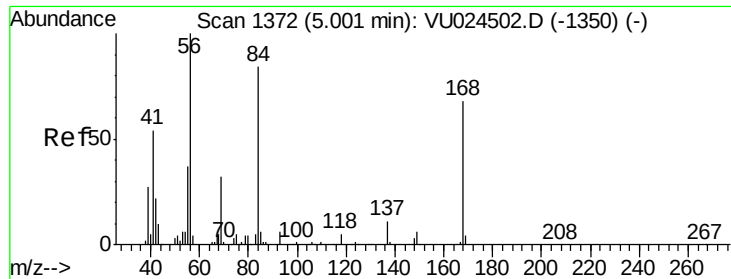
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





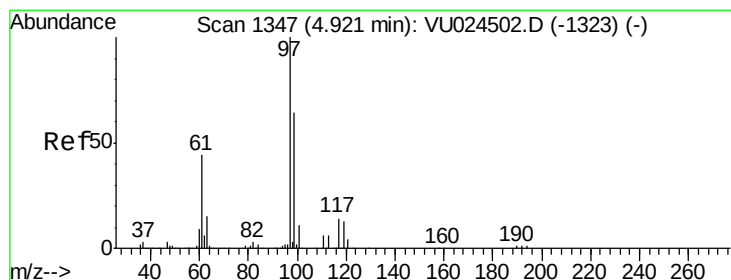
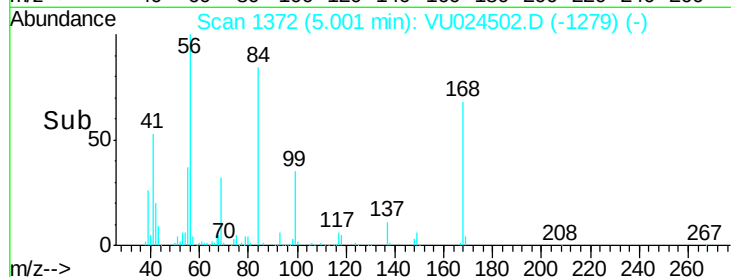
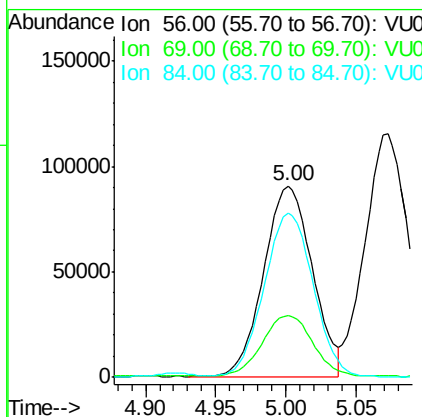
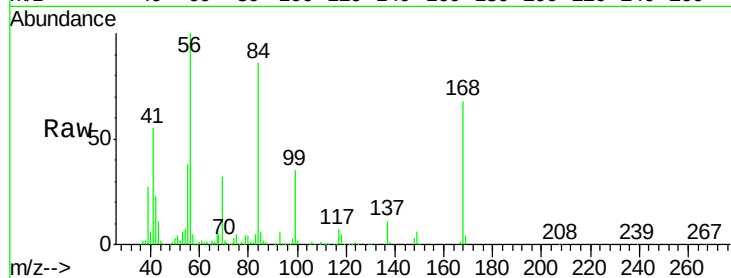
#31
Cyclohexane
Concen: 37.523 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.8	37.2
84	84.4	65.2	97.8

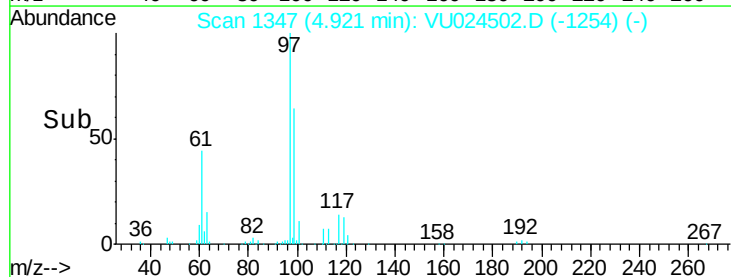
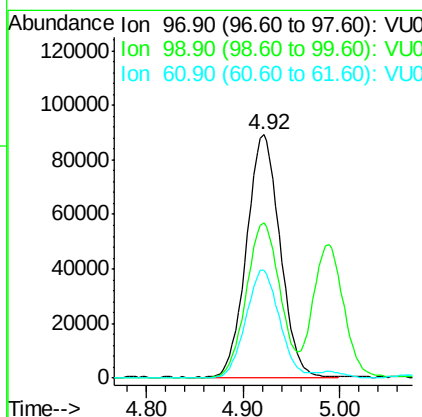
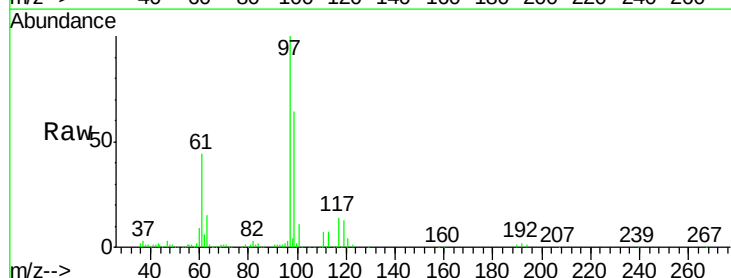
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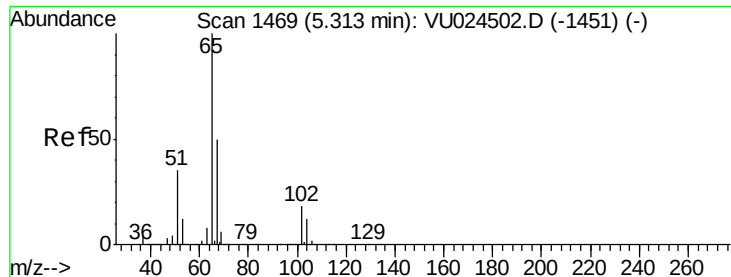
MMDadoda
6/14/2018 9:44:32 AM



#32
1,1,1-Trichloroethane
Concen: 44.943 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	45.0	39.4	59.0





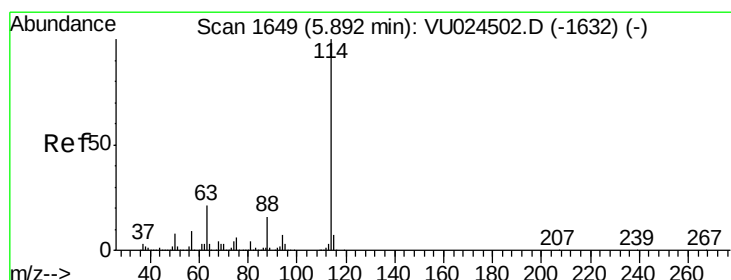
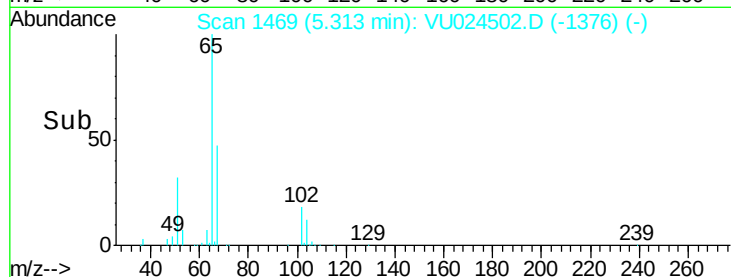
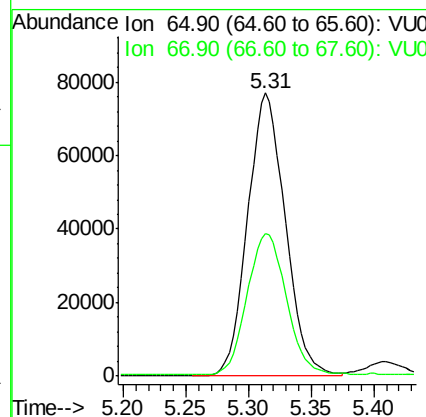
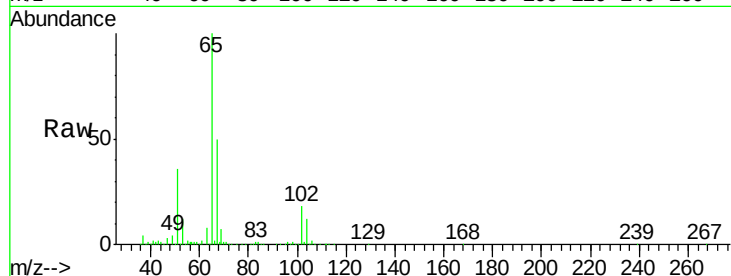
#33
 1,2-Dichloroethane-d4
 Concen: 41.714 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	107.0

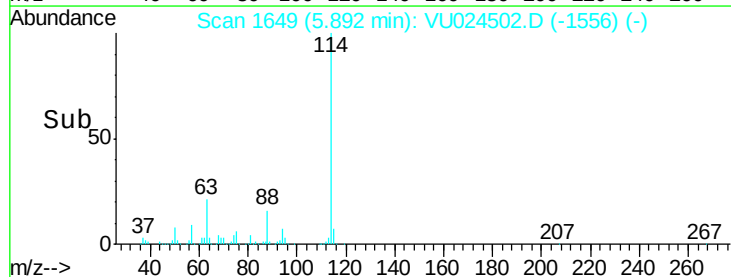
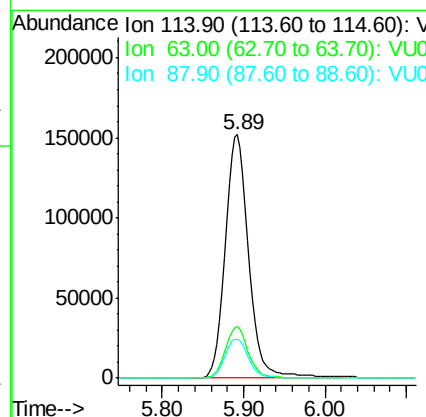
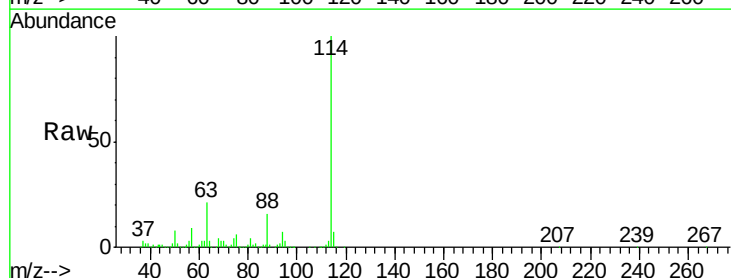
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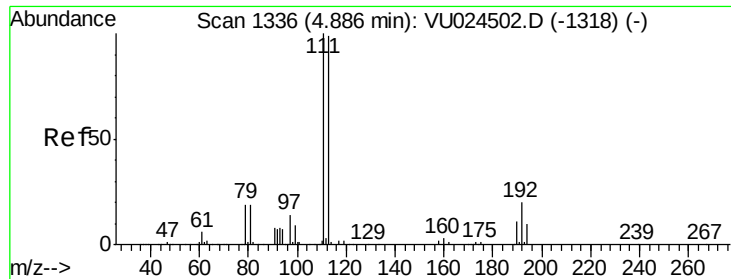
MMDadoda
 6/14/2018 9:44:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.4
88	16.2	0.0	31.0





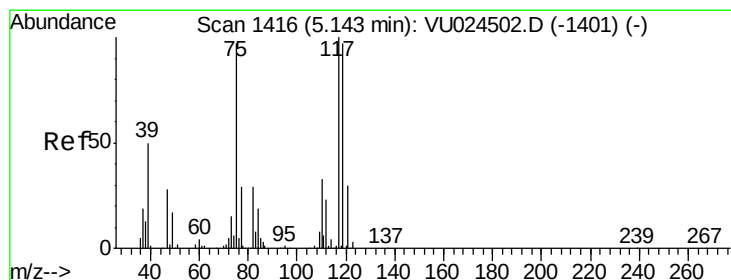
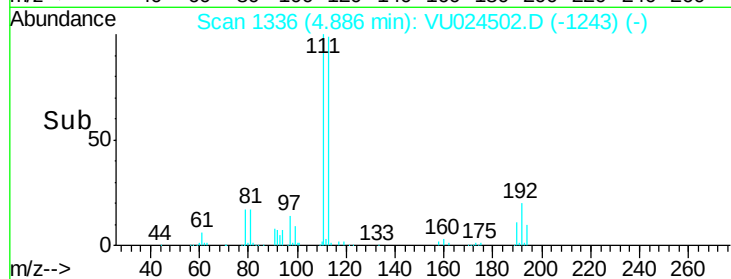
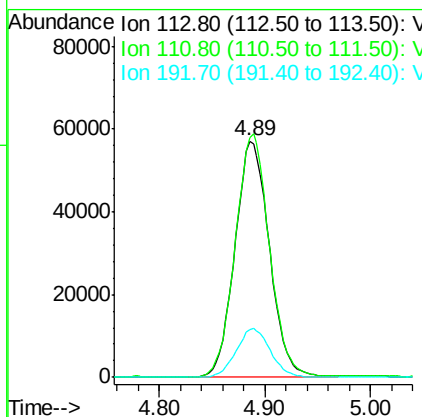
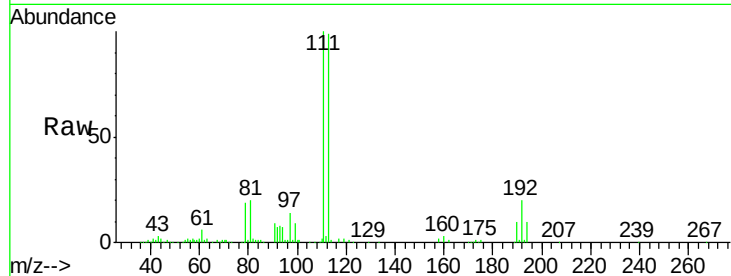
#35
 Dibromofluoromethane
 Concen: 40.748 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	129809		
111	100.8	82.2	123.4	
192	20.4	16.2	24.4	

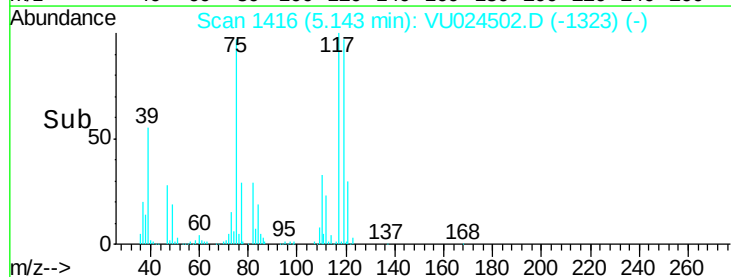
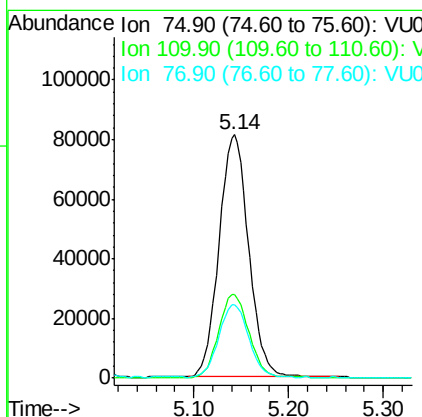
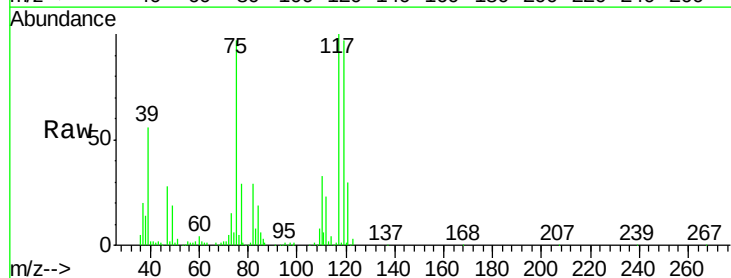
Manual Integrations
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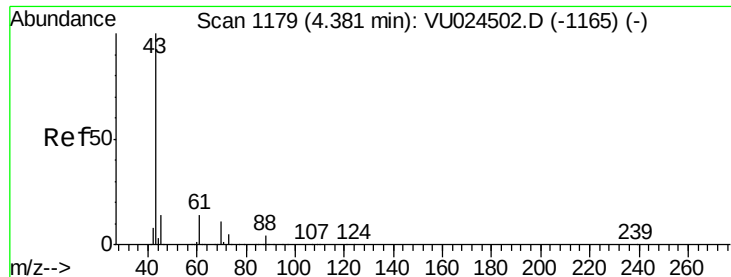
MMDadoda
 6/14/2018 9:44:32 AM



#36
 1,1-Dichloropropene
 Concen: 39.889 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176568		
110	35.2	17.0	50.9	
77	30.3	24.2	36.4	





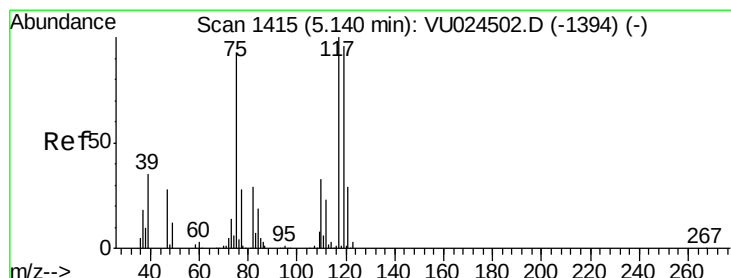
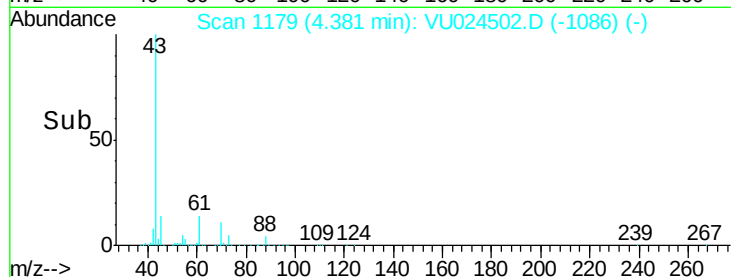
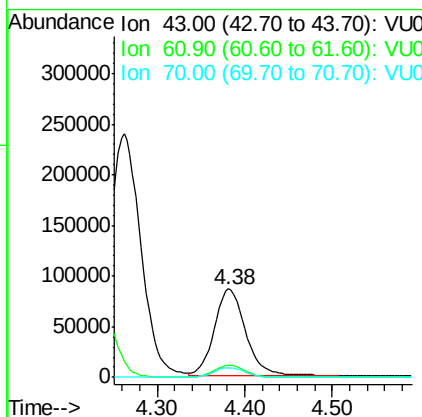
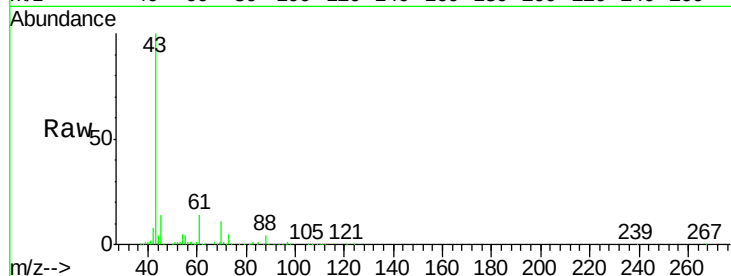
#37
Ethyl Acetate
 Concen: 42.412 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.6	7.4	11.2

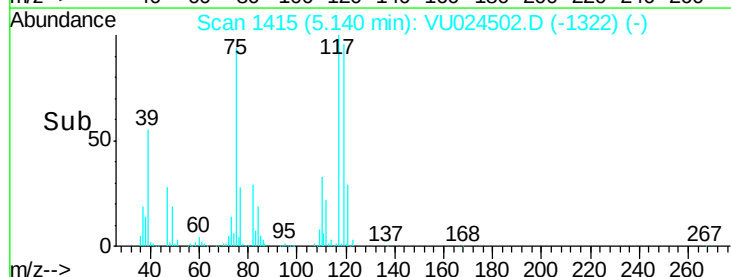
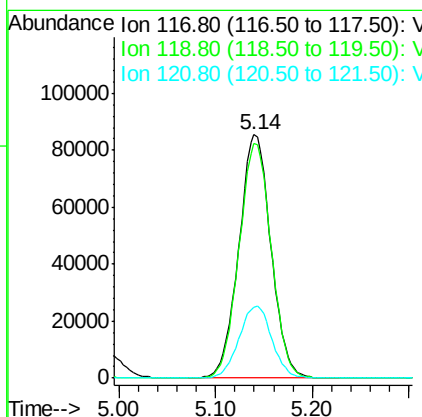
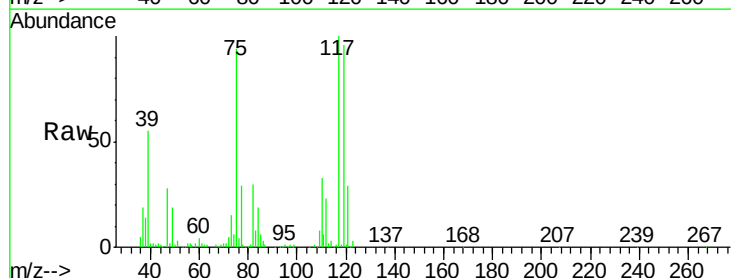
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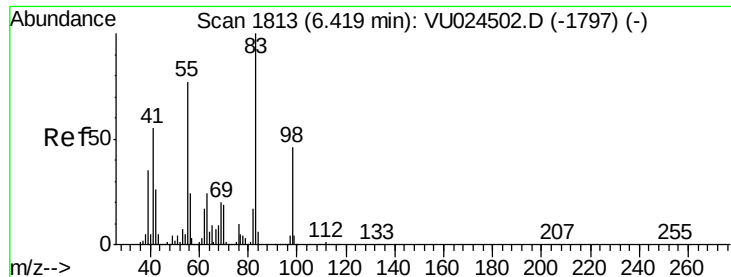
MMDadoda
 6/14/2018 9:44:32 AM



#38
Carbon Tetrachloride
 Concen: 46.794 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	29.2	23.7	35.5





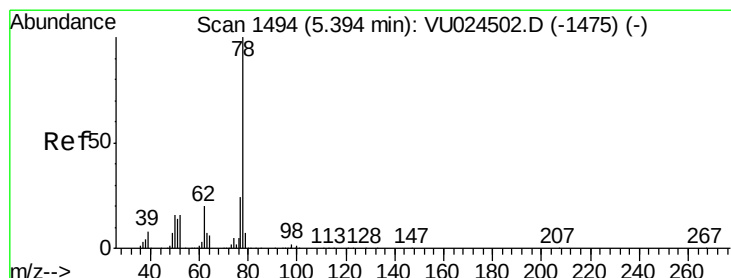
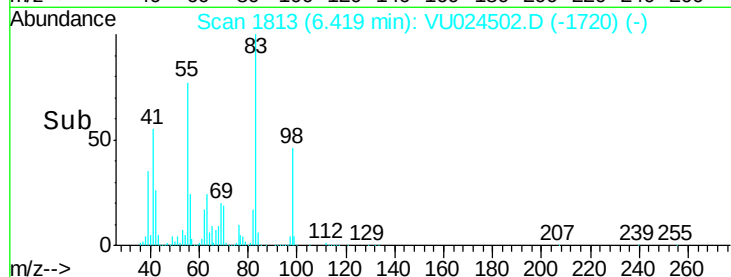
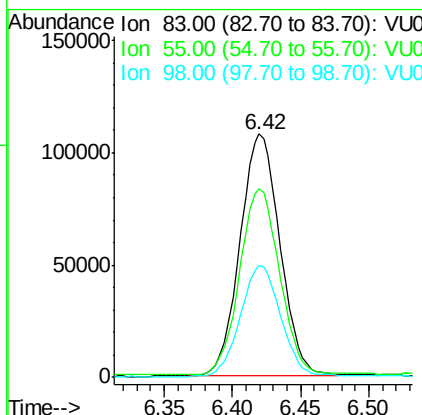
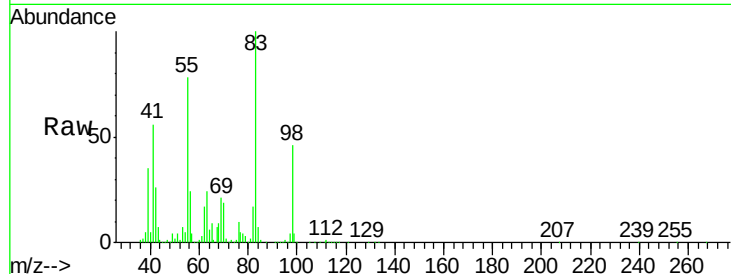
#39
Methylcyclohexane
Concen: 45.879 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	219420		
55	76.9	65.8	98.6	
98	45.8	36.7	55.1	

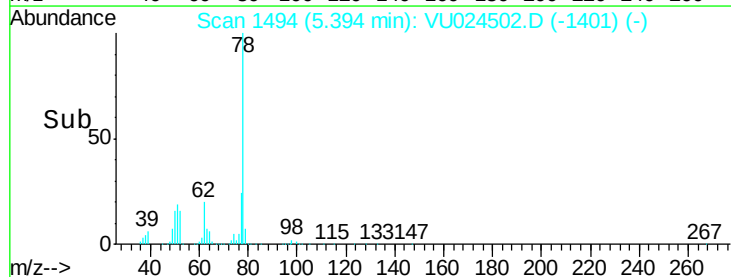
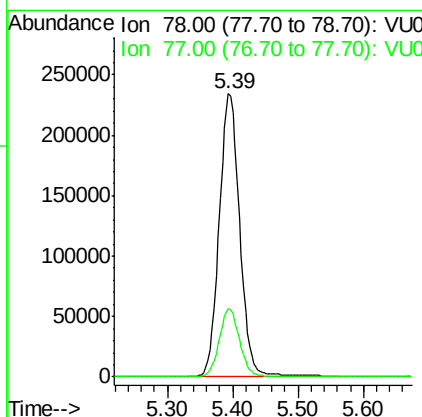
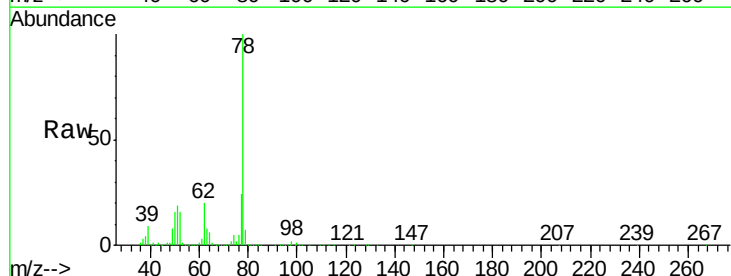
Manual Integrations
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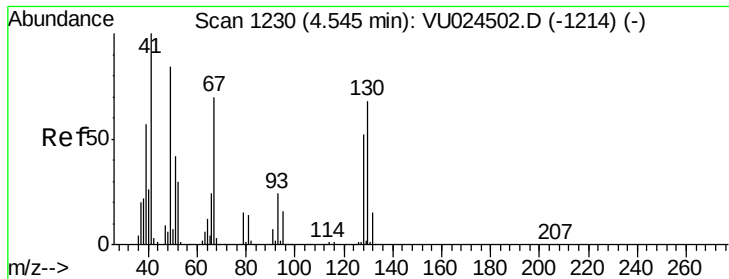
MMDadoda
6/14/2018 9:44:32 AM



#40
Benzene
Concen: 38.541 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	514215		
77	24.2	19.2	28.8	





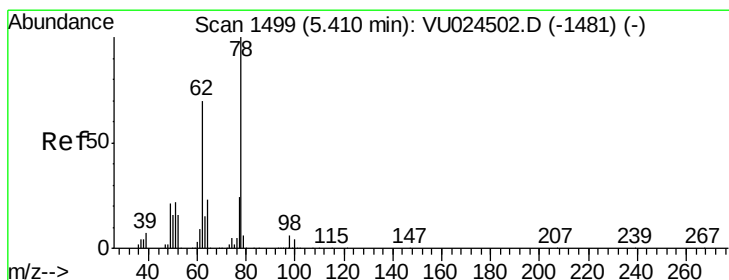
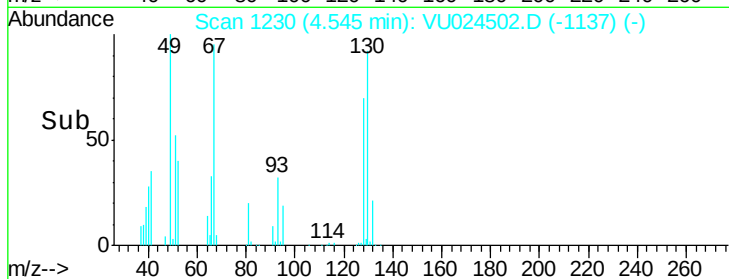
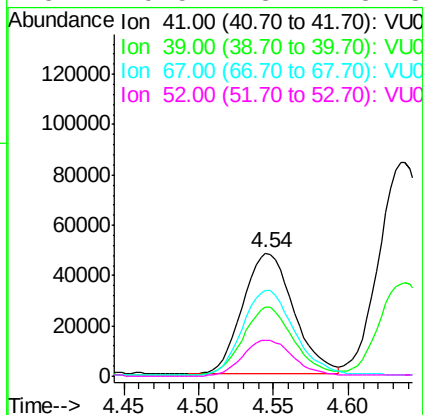
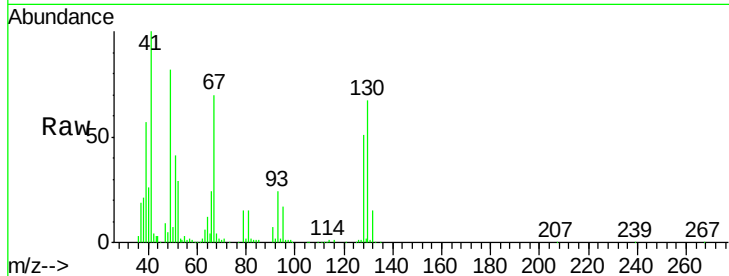
#41
Methacrylonitrile
Concen: 40.911 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	43.8	65.6	
67	72.4	56.3	84.5	
52	29.5	23.2	34.8	

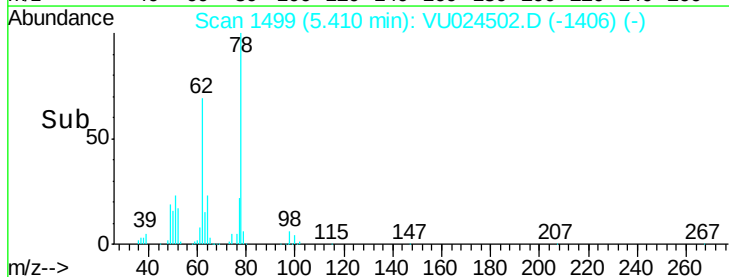
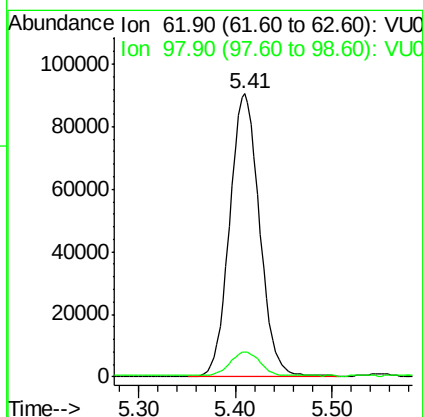
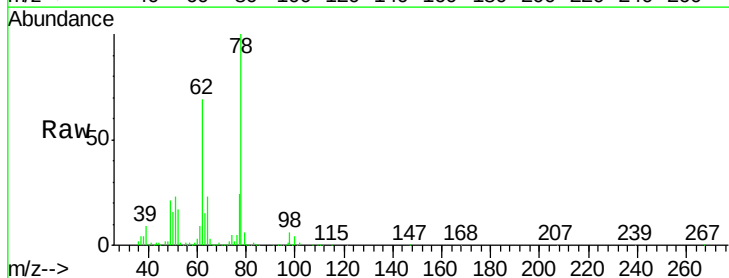
Manual Integrations
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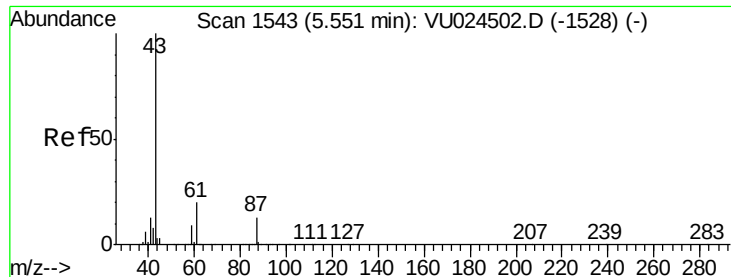
MMDadoda
6/14/2018 9:44:32 AM



#42
1,2-Dichloroethane
Concen: 38.082 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 44.283 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

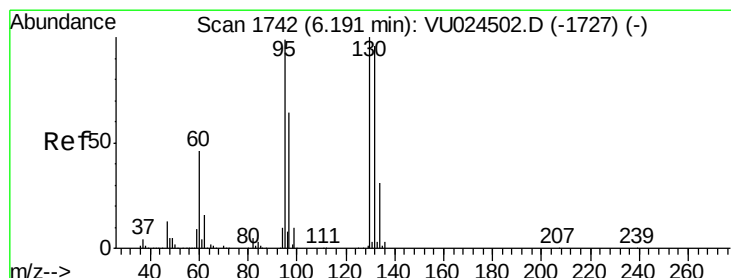
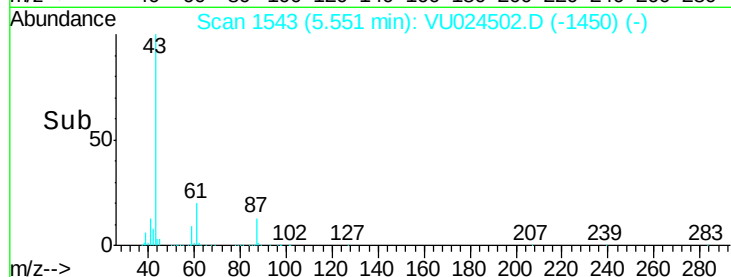
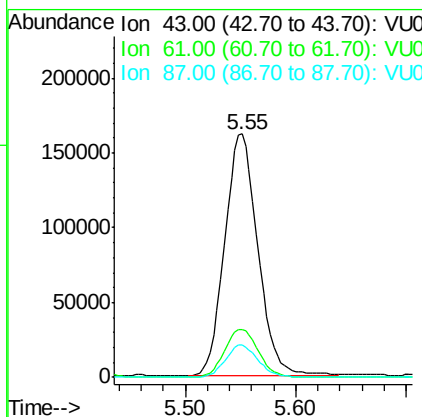
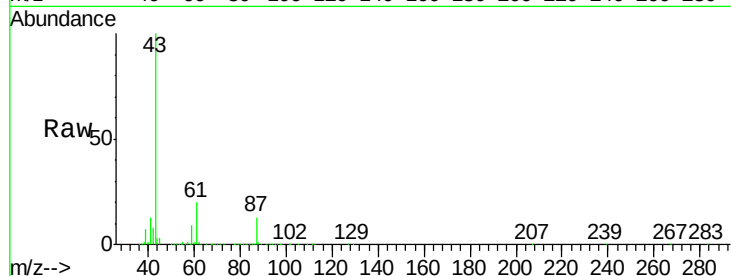
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	334721
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.4	23.0
87	13.3	10.0	15.0

Manual Integrations
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MMDadoda
6/14/2018 9:44:32 AM



#44

Trichloroethene

Concen: 40.775 ug/l

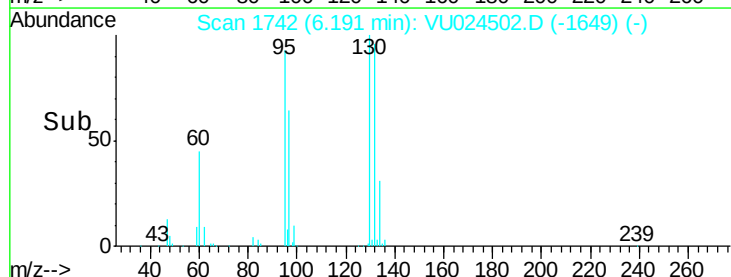
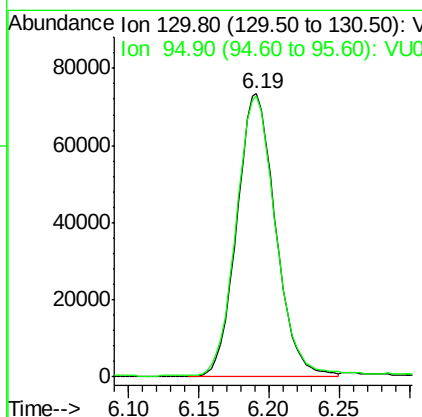
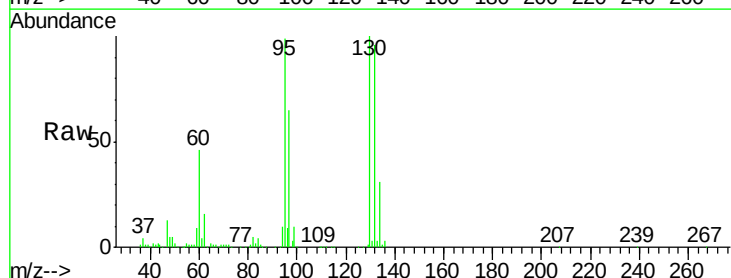
RT: 6.19 min Scan# 1742

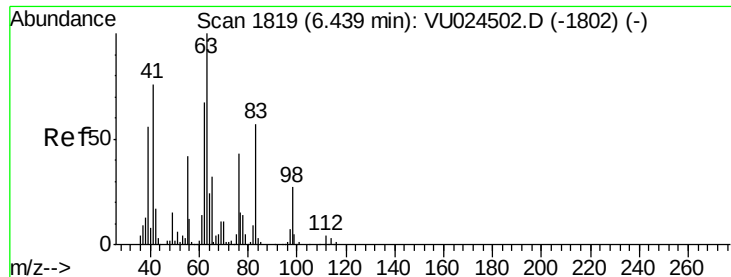
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	130	Resp:	141749
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	202.4





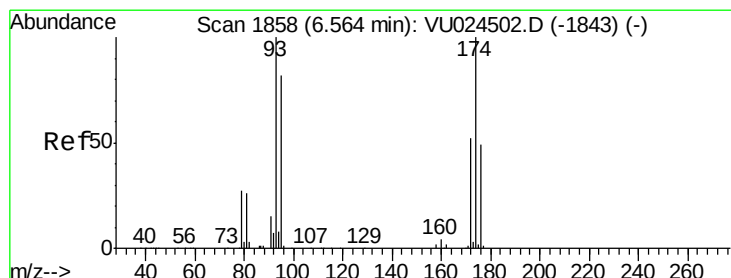
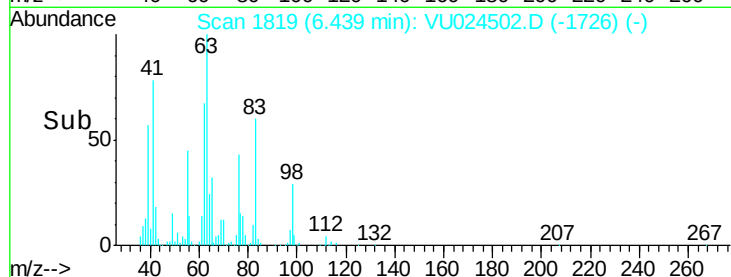
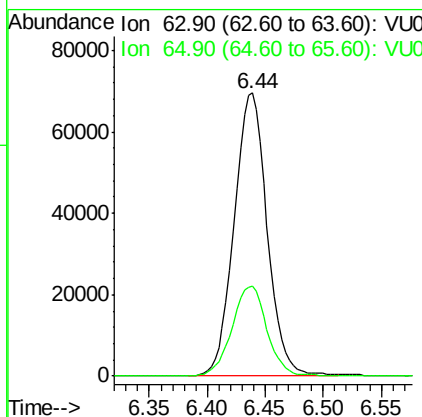
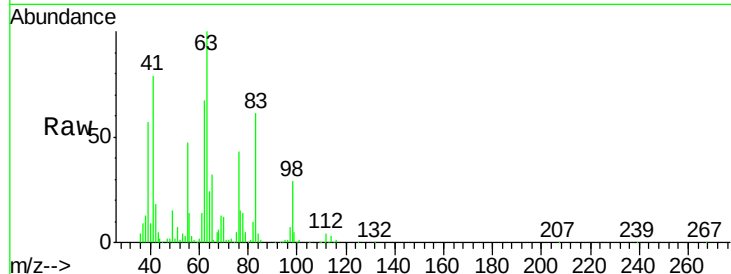
#45
 1,2-Dichloropropane
 Concen: 38.272 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 137232
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

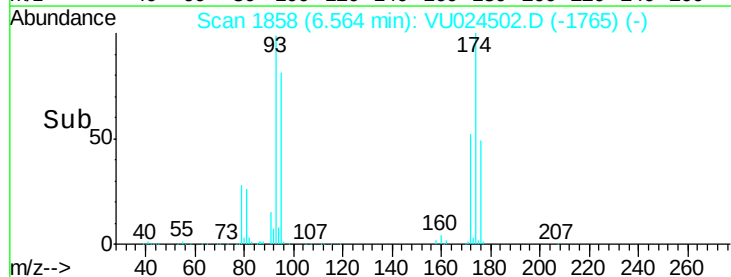
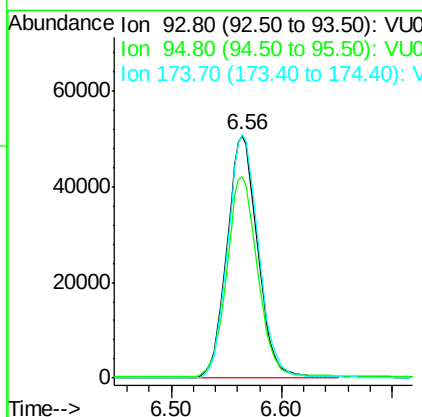
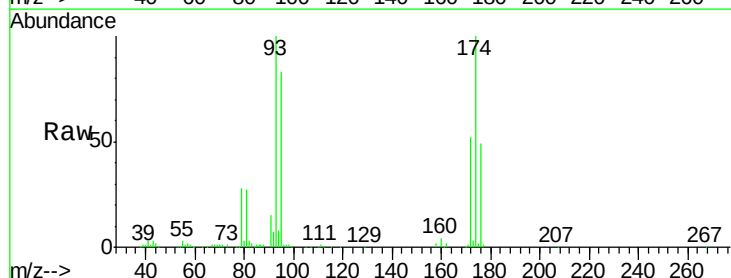
Manual Integrations
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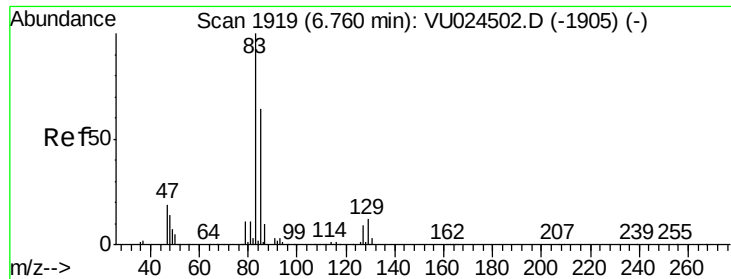
MMDadoda
 6/14/2018 9:44:32 AM



#46
 Dibromomethane
 Concen: 41.363 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 93 Resp: 98191
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.5 98.3
 174 100.5 78.7 118.1





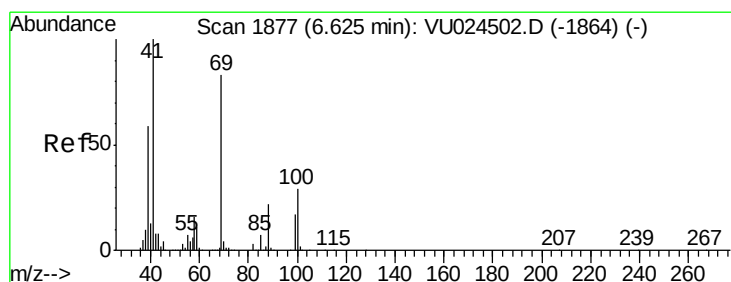
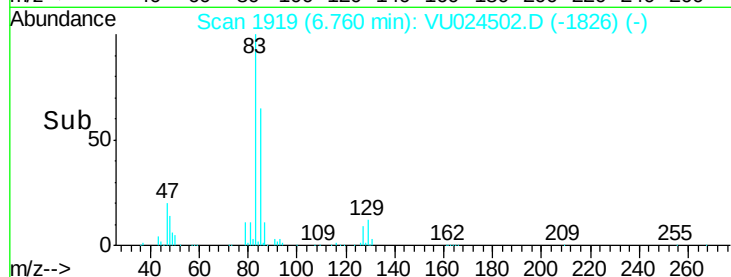
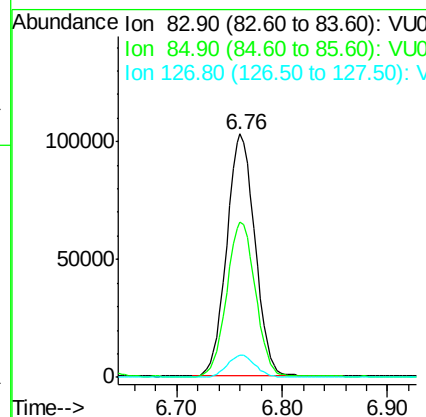
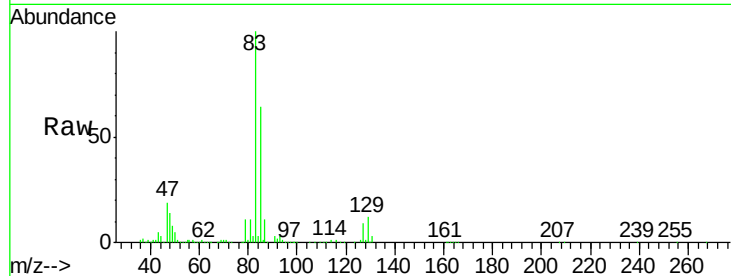
#47
Bromodichloromethane
Concen: 41.418 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	190225		
85	63.6	51.9	77.9	
127	9.1	6.6	9.8	

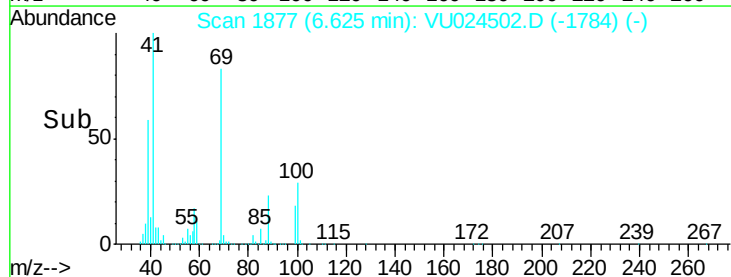
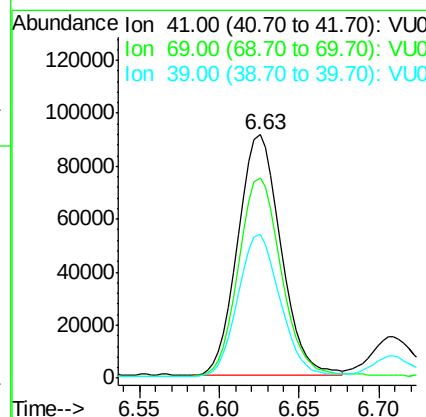
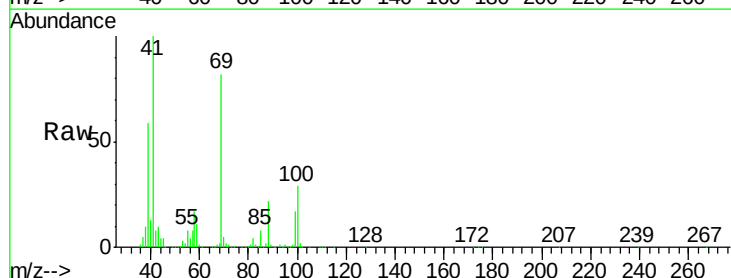
Manual Integrations
APPROVED

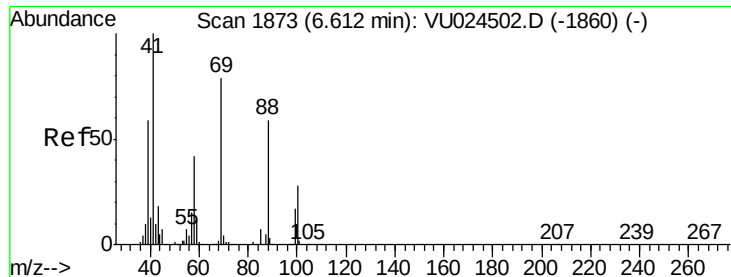
MMDadoda
6/14/2018 9:44:32 AM



#48
Methyl methacrylate
Concen: 44.913 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	166426		
69	83.9	67.3	100.9	
39	58.7	46.5	69.7	





#49

1,4-Dioxane

Concen: 772.457 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

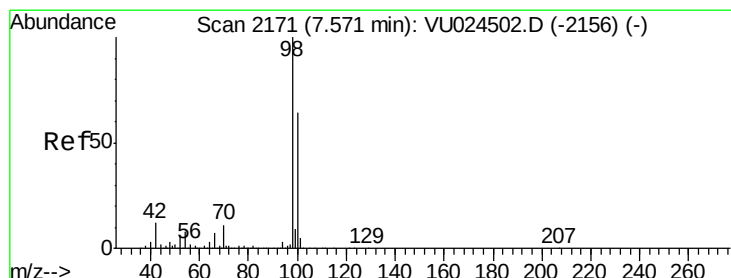
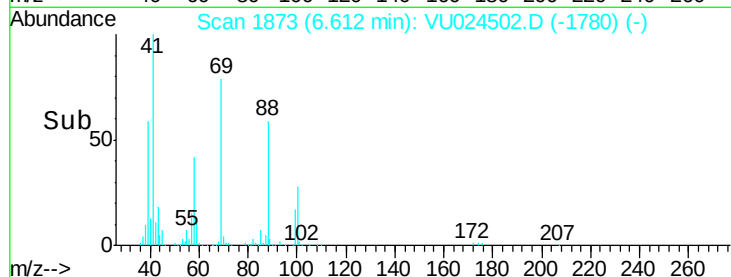
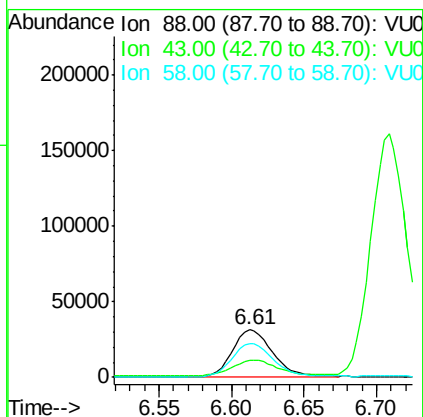
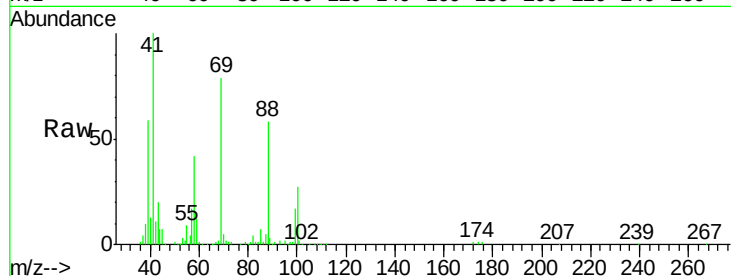
ClientSampleId :

VSTDICCC050

Tgt Ion:	88	Resp:	60387
Ion	Ratio	Lower	Upper
88	100		
43	34.5	28.6	42.8
58	73.4	58.2	87.4

Manual Integrations
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6/14/2018 9:44:32 AM



#50

Toluene-d8

Concen: 39.881 ug/l

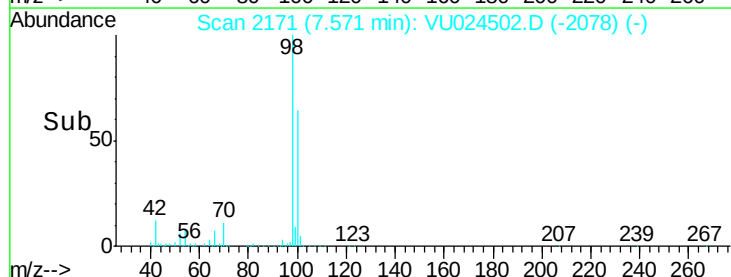
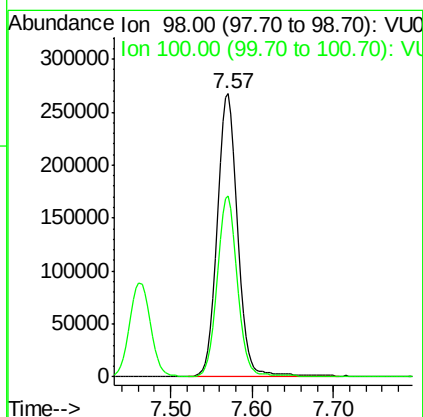
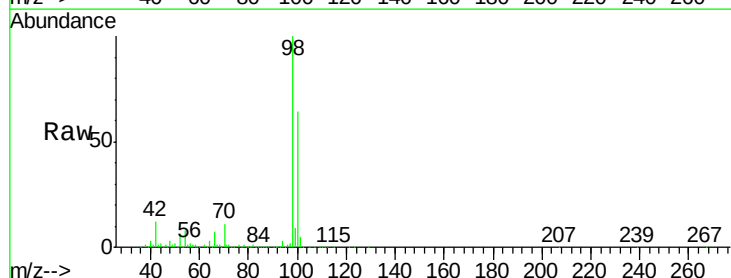
RT: 7.57 min Scan# 2171

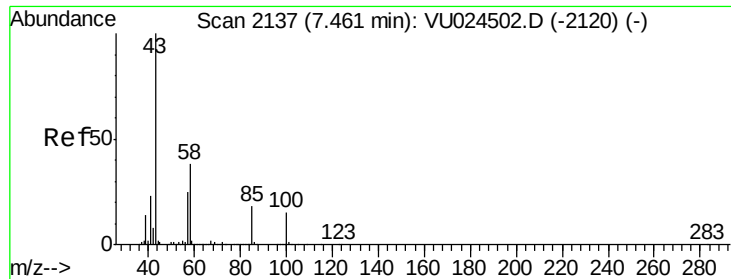
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	98	Resp:	474811
Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 195.149 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1064211

Ion Ratio Lower Upper

43 100

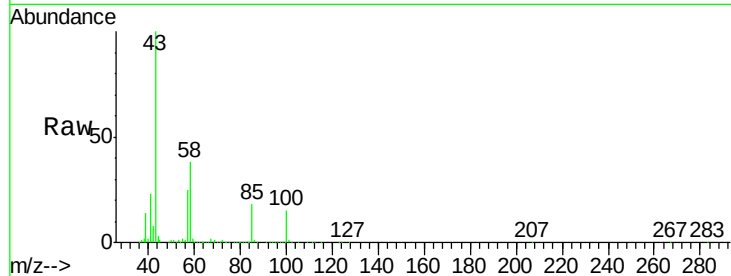
58 38.4 30.0 45.0

Manual Integrations

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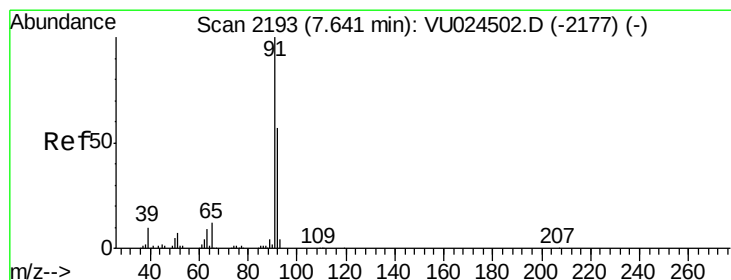
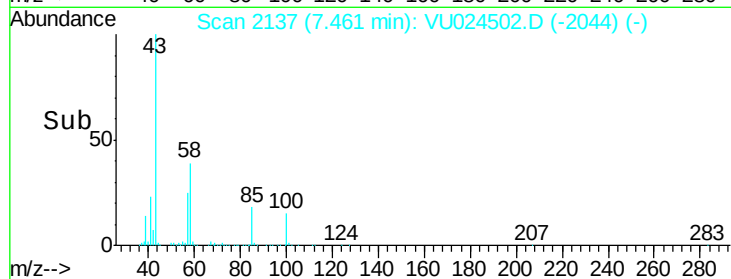
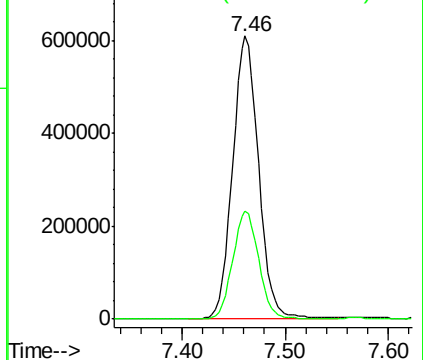
MMDadoda

6/14/2018 9:44:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 41.299 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024502.D

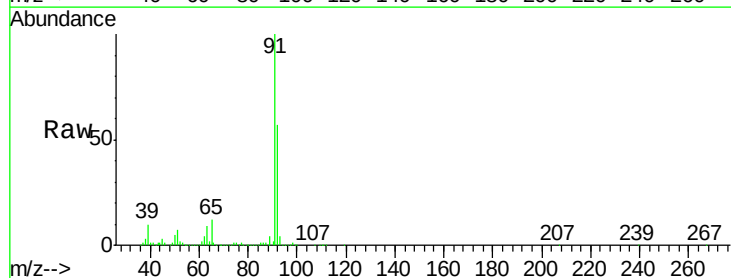
Acq: 13 Jun 2018 12:42

Tgt Ion: 92 Resp: 327004

Ion Ratio Lower Upper

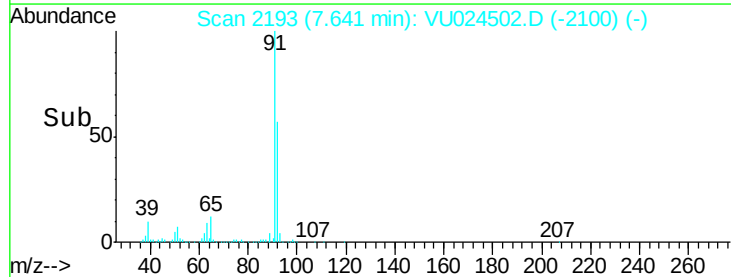
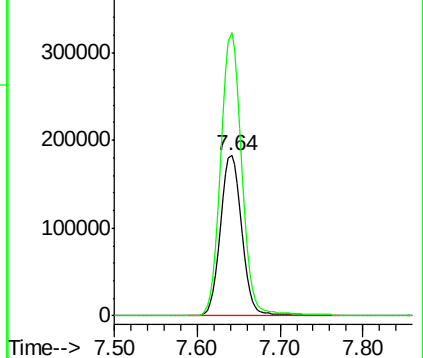
92 100

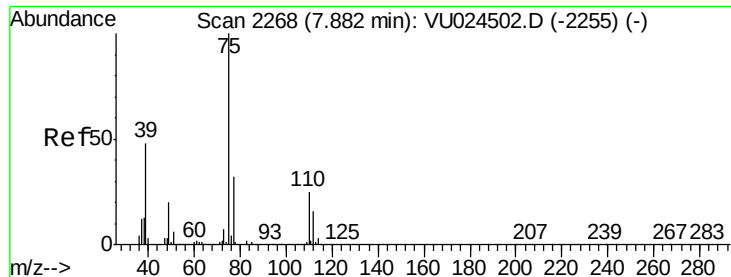
91 173.3 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 45.800 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 218750

Ion Ratio Lower Upper

75 100

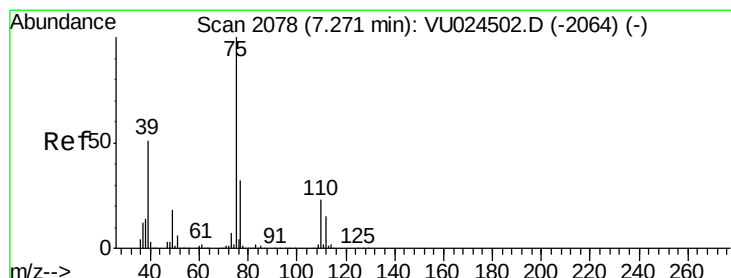
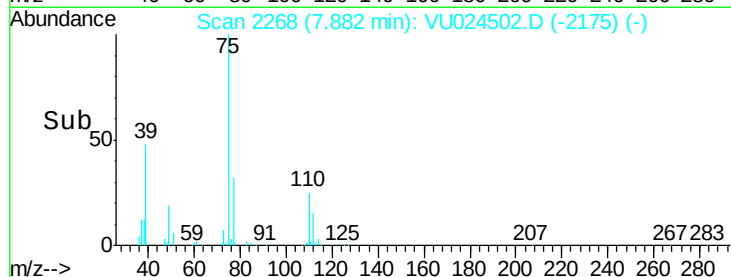
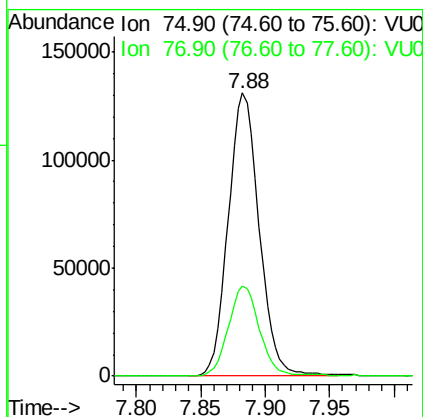
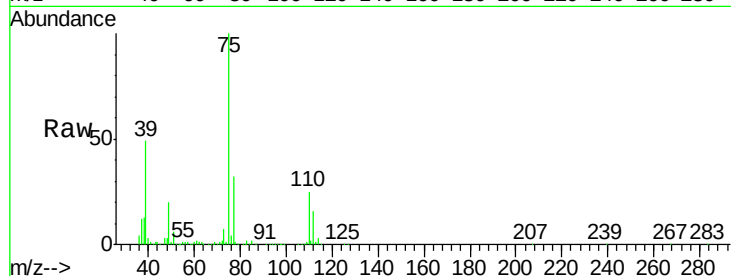
77 31.6 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 43.901 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

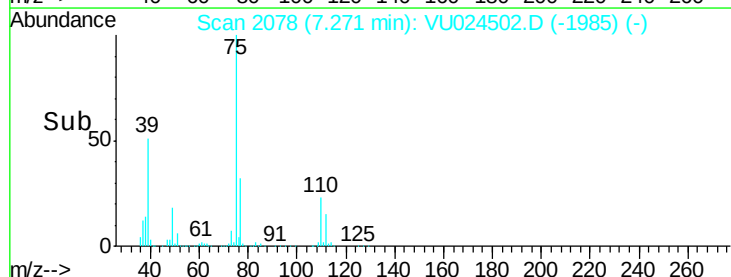
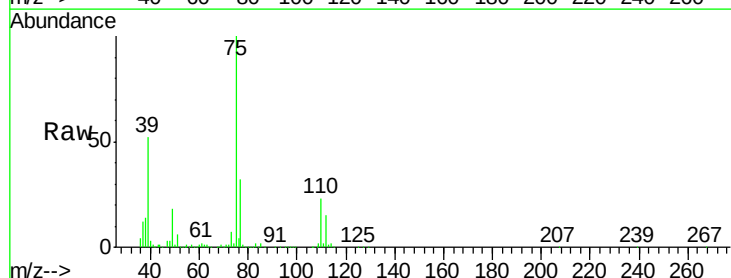
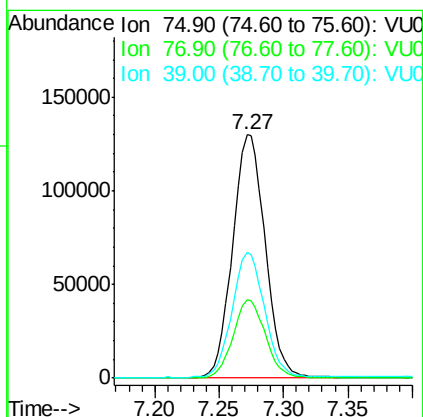
Tgt Ion: 75 Resp: 228784

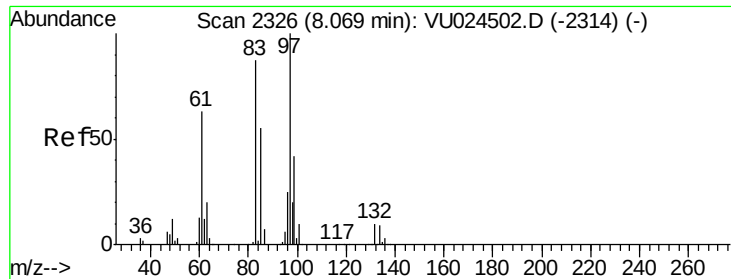
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 51.4 39.8 59.6





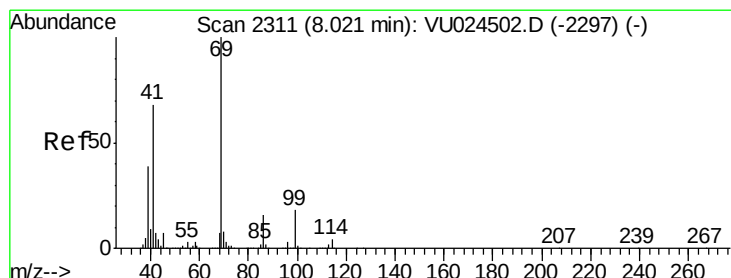
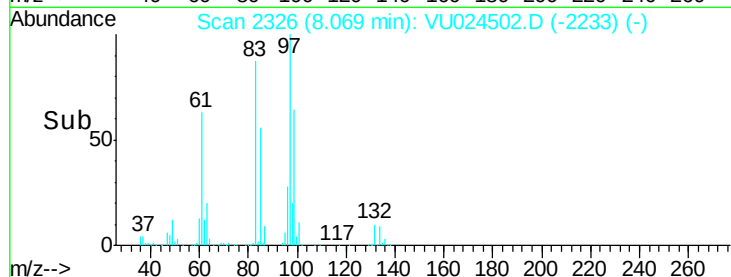
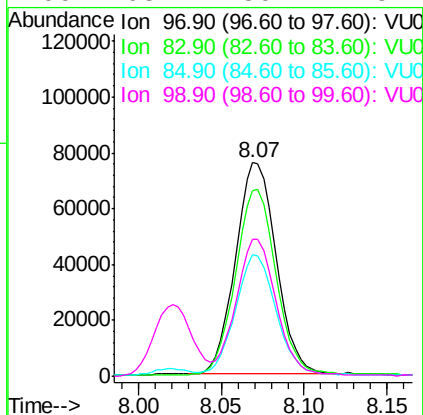
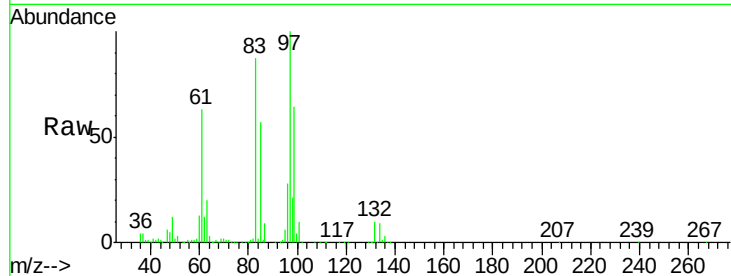
#55
 1,1,2-Trichloroethane
 Concen: 37.943 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	128888		
83	87.1	70.5	105.7	
85	56.4	46.4	69.6	
99	63.7	50.2	75.2	

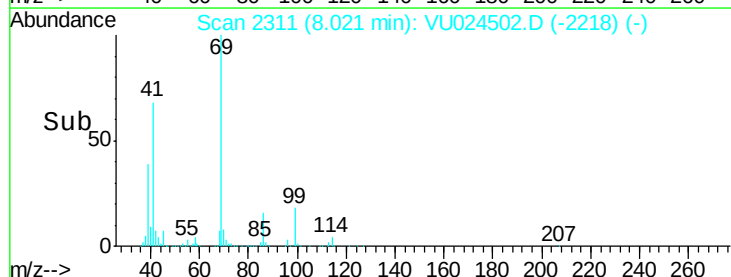
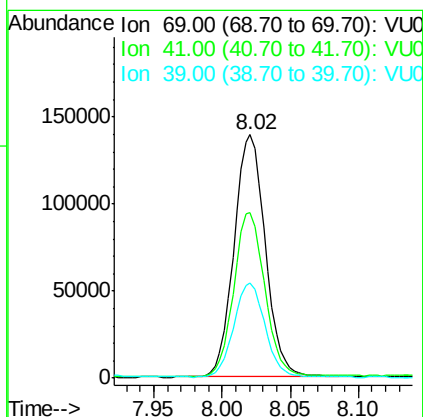
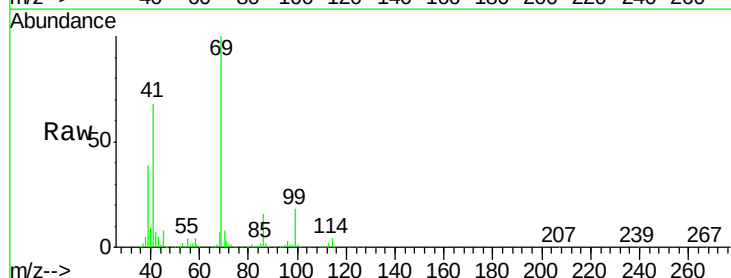
Manual Integrations
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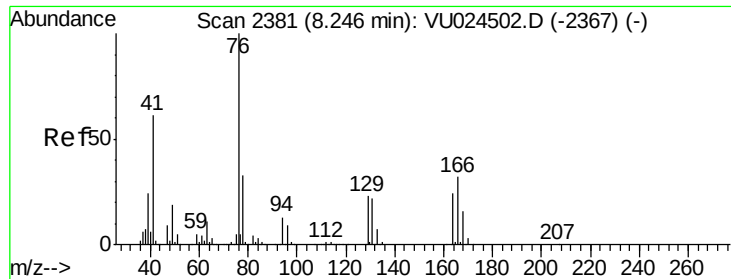
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 50.073 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	221680		
41	67.0	54.1	81.1	
39	39.1	30.3	45.5	





#57

1,3-Dichloropropane

Concen: 38.394 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 223970

Ion Ratio Lower Upper

76 100

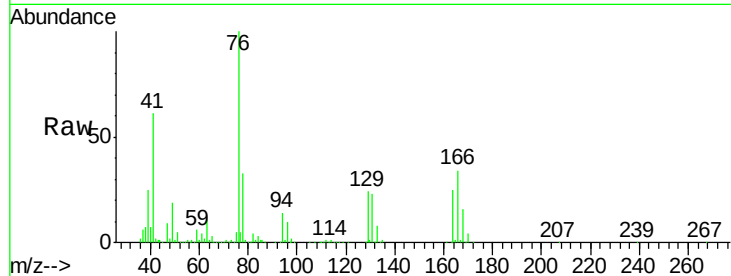
78 32.8 25.2 37.8

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

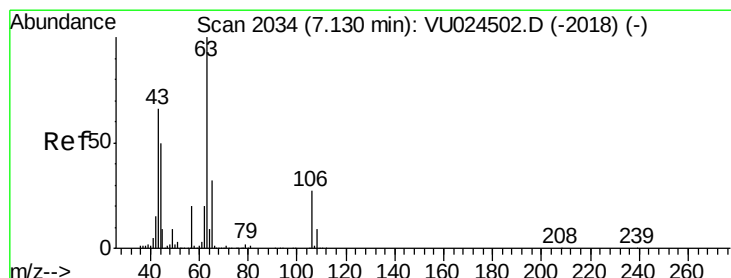
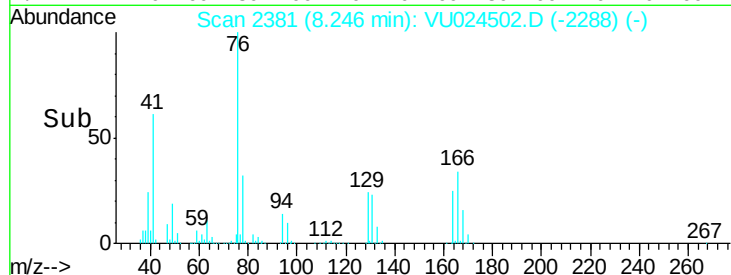
150000

100000

50000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 194.311 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024502.D

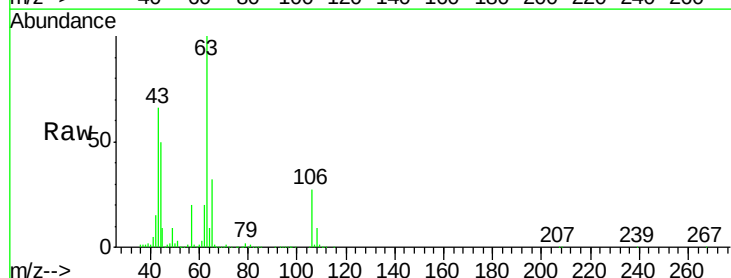
Acq: 13 Jun 2018 12:42

Tgt Ion: 63 Resp: 442436

Ion Ratio Lower Upper

63 100

106 27.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

300000

250000

200000

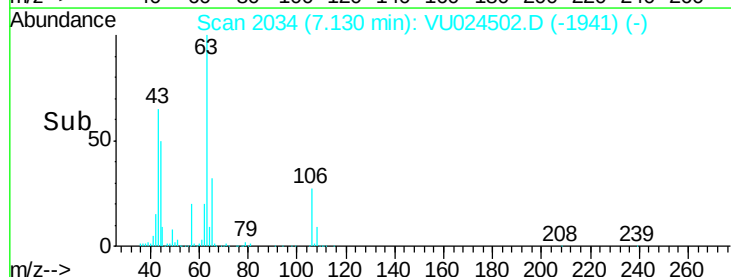
150000

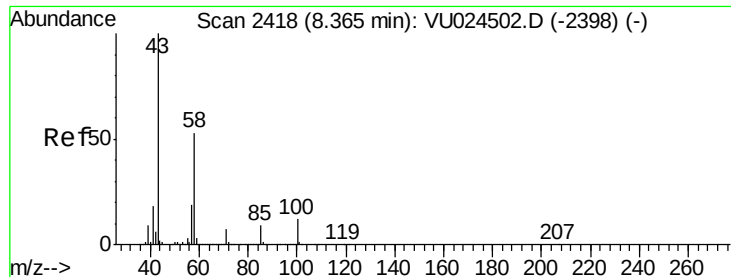
100000

50000

0

Time--> 7.00 7.10 7.20





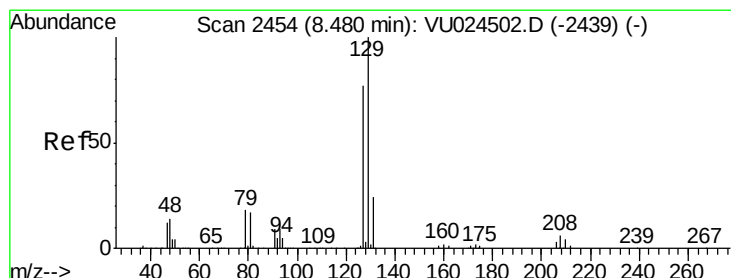
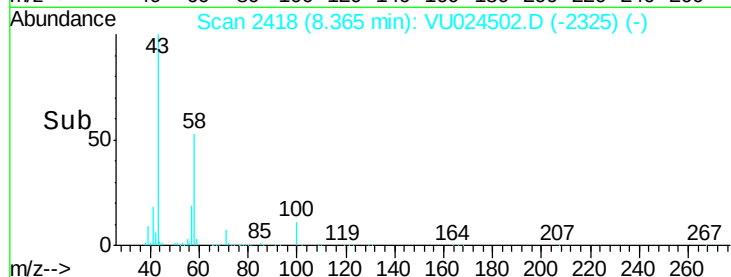
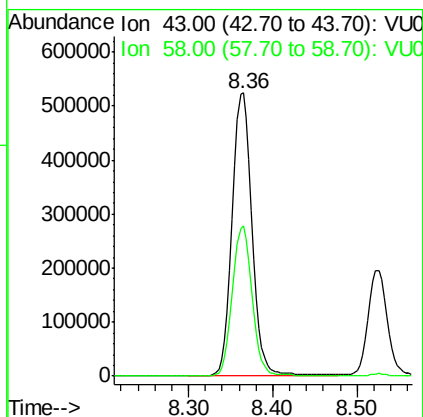
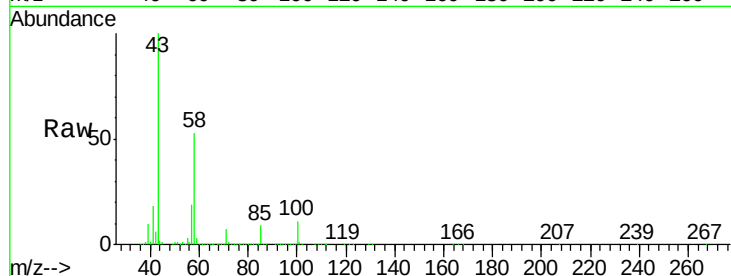
#59
2-Hexanone
Concen: 196.135 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 855730
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

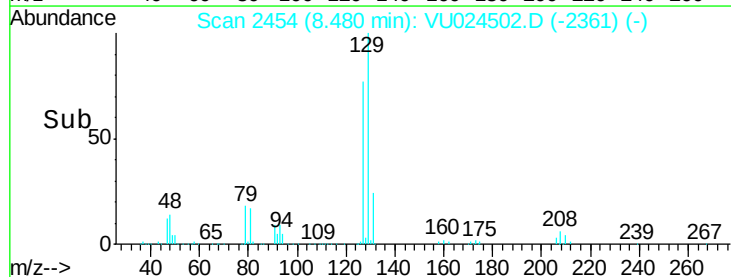
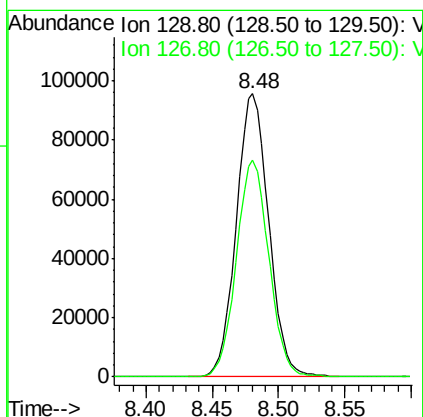
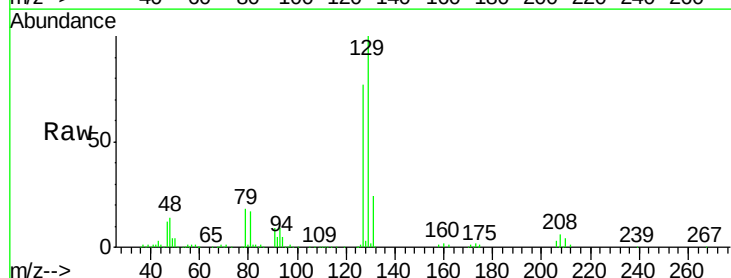
Manual Integrations
APPROVED

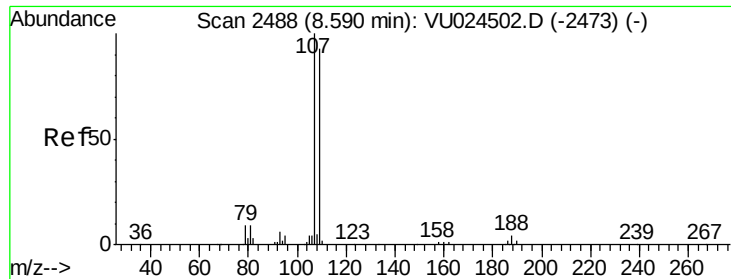
MMDadoda
6/14/2018 9:44:32 AM



#60
Dibromochloromethane
Concen: 47.132 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion: 129 Resp: 162447
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





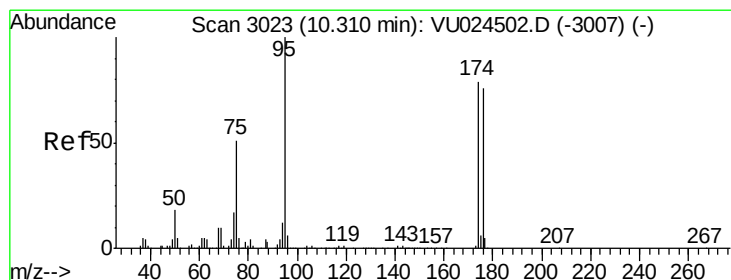
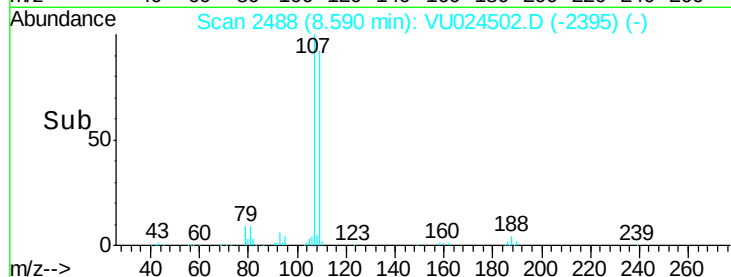
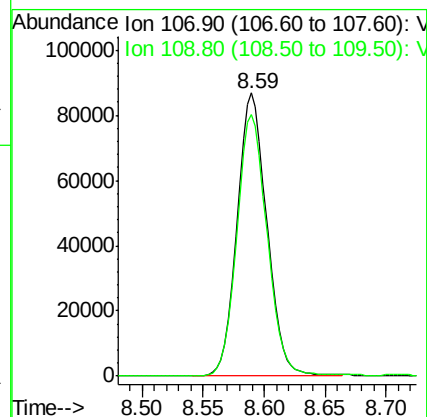
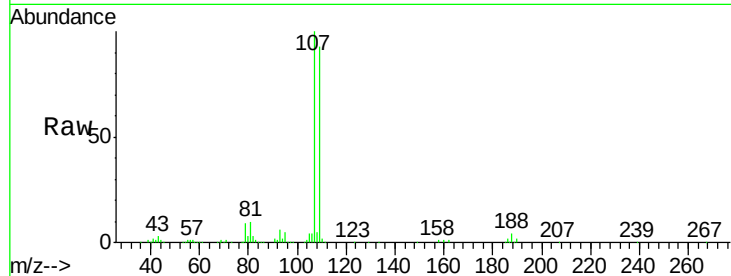
#61
 1,2-Dibromoethane
 Concen: 41.166 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	146257		
109	94.2	74.5	111.7	

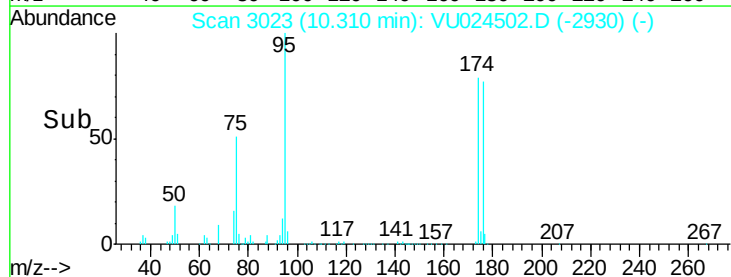
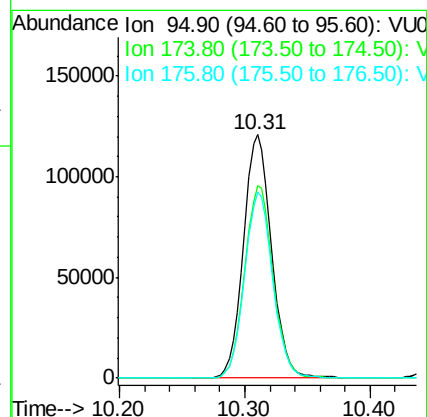
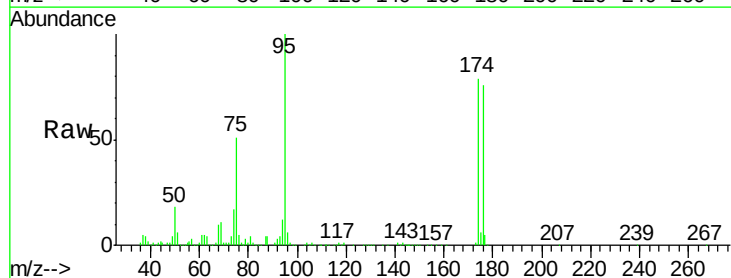
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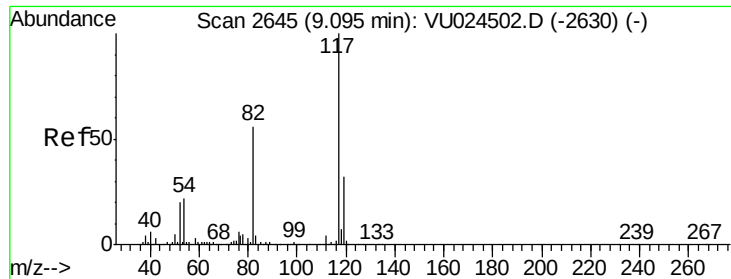
MMDadoda
 6/14/2018 9:44:32 AM



#62
 4-Bromofluorobenzene
 Concen: 42.923 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	186247		
174	80.9	0.0	165.8	
176	77.5	0.0	159.4	





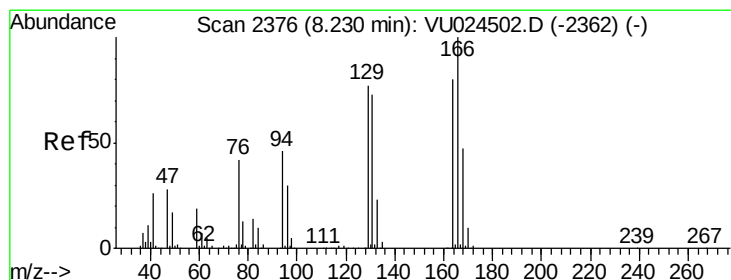
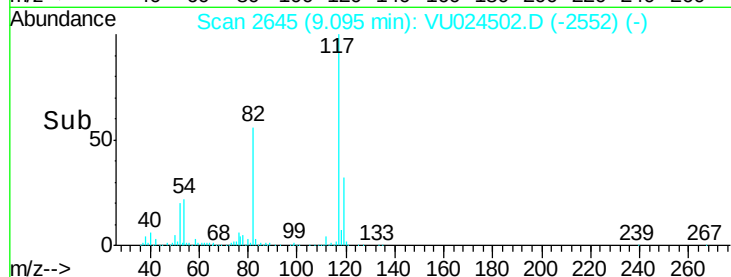
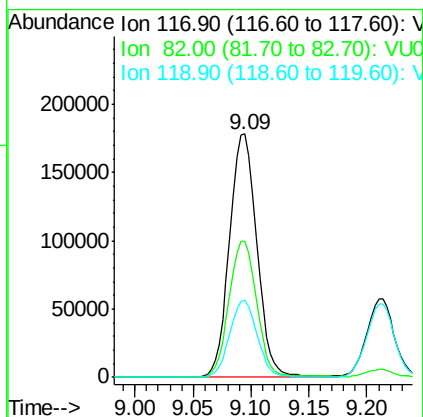
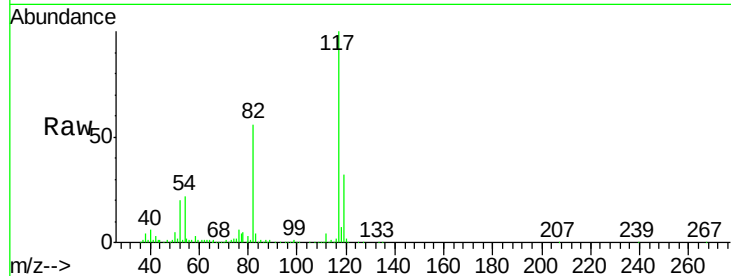
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	293080		
82	55.6	44.3	66.5	
119	31.7	25.4	38.2	

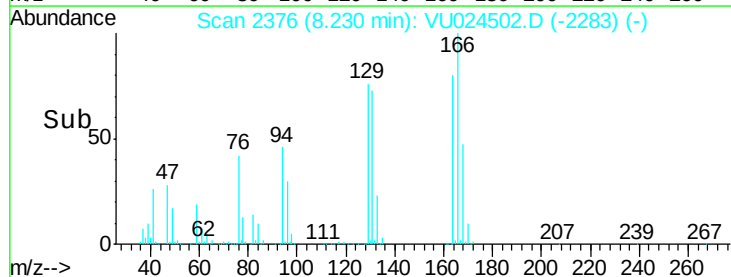
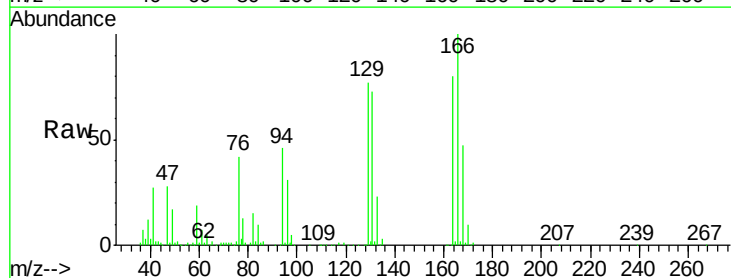
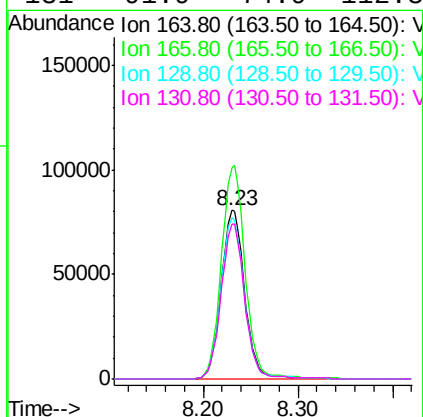
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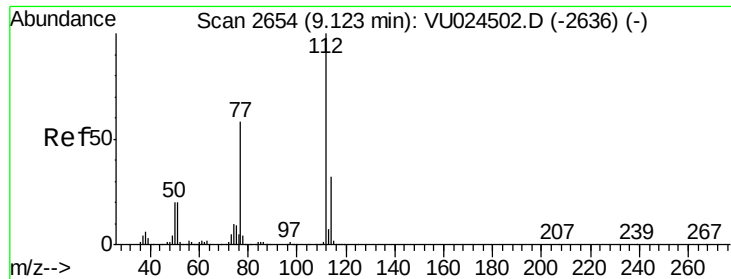
MMDadoda
6/14/2018 9:44:32 AM



#64
Tetrachloroethene
Concen: 47.884 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139511		
166	125.3	101.7	152.5	
129	96.0	76.9	115.3	
131	91.9	74.9	112.3	





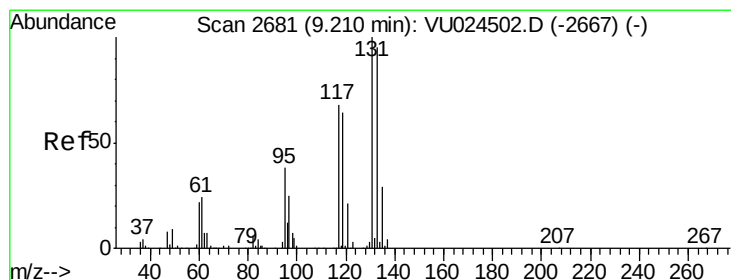
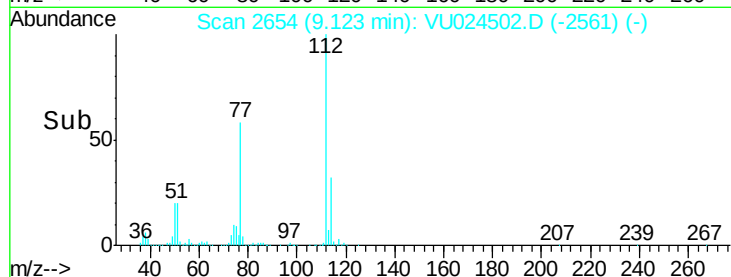
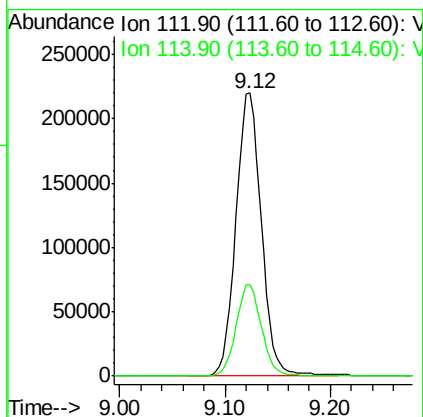
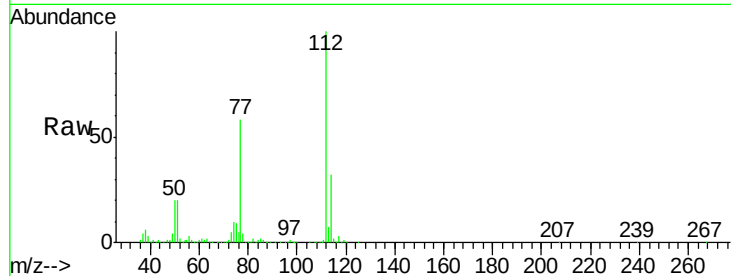
#65
Chlorobenzene
Concen: 43.237 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 368774
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

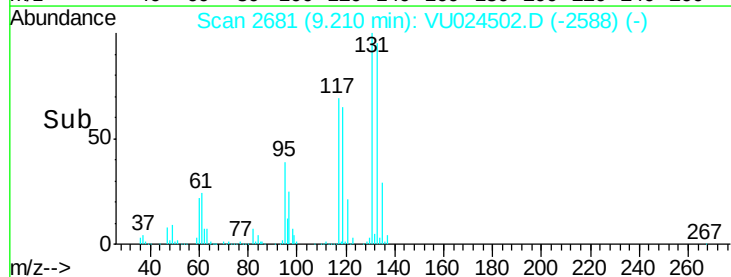
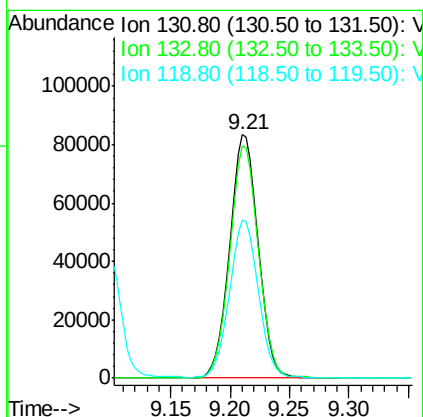
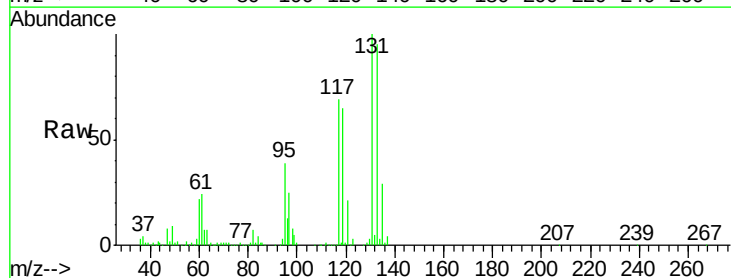
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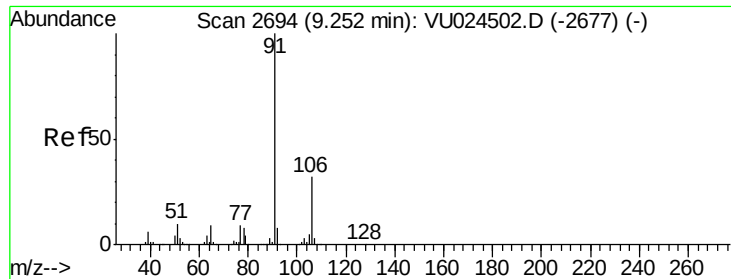
MMDadoda
6/14/2018 9:44:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.247 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion:131 Resp: 138316
Ion Ratio Lower Upper
131 100
133 96.2 46.9 140.8
119 65.7 33.5 100.4





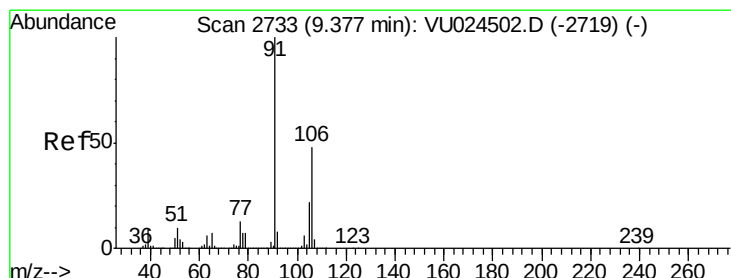
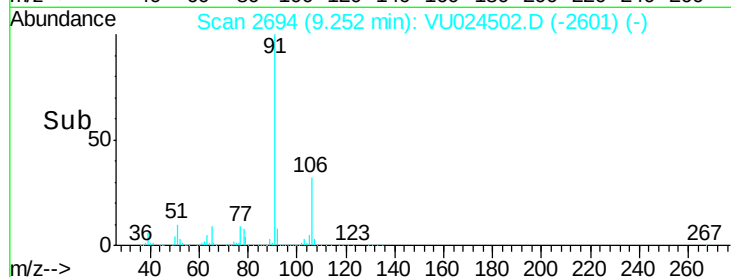
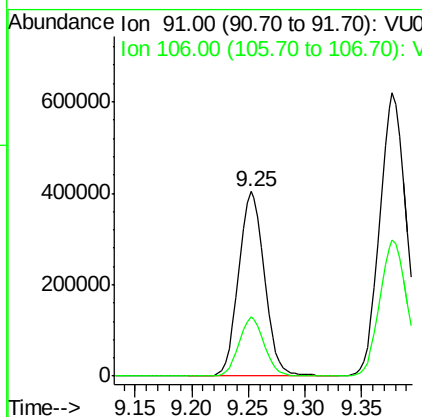
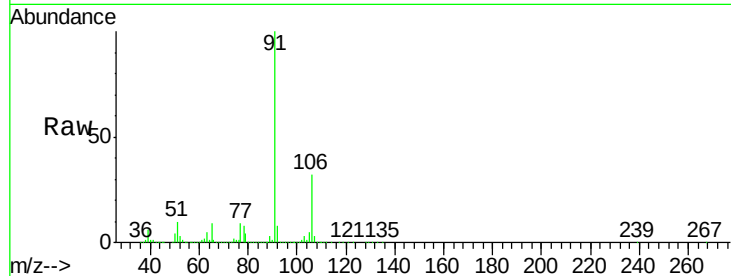
#67
 Ethyl Benzene
 Concen: 46.839 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 91 Resp: 644129
 Ion Ratio Lower Upper
 91 100
 106 31.9 24.2 36.4

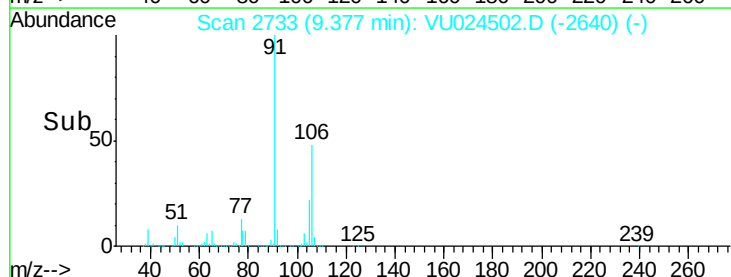
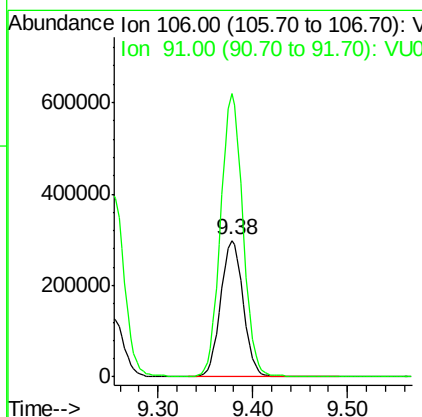
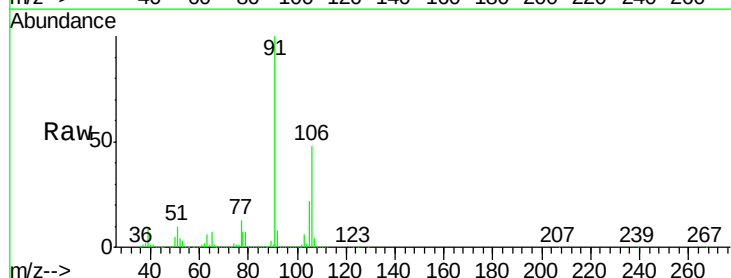
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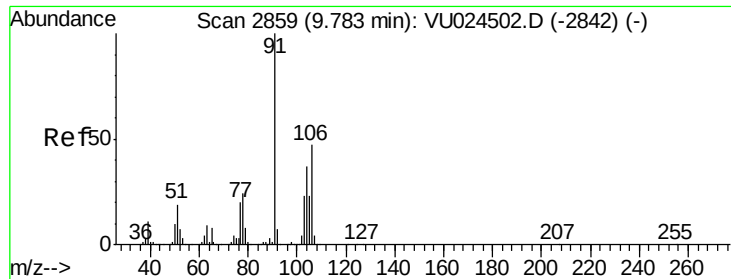
MMDadoda
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#68
 m/p-Xylenes
 Concen: 94.464 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 106 Resp: 494852
 Ion Ratio Lower Upper
 106 100
 91 204.6 166.5 249.7





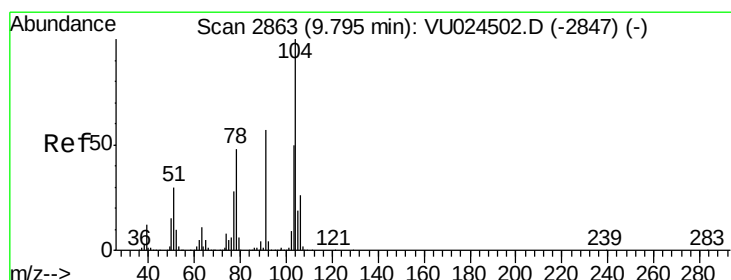
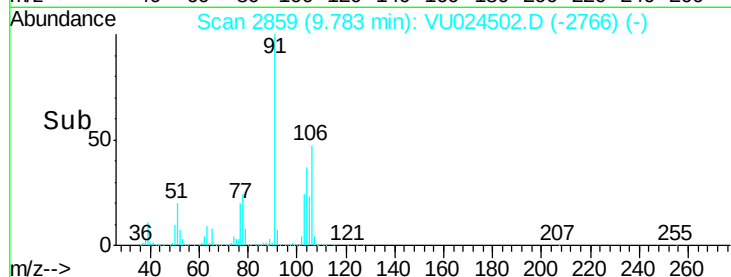
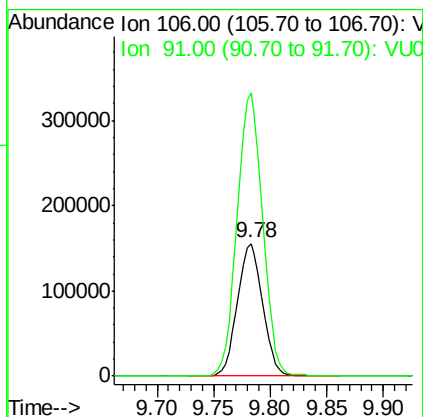
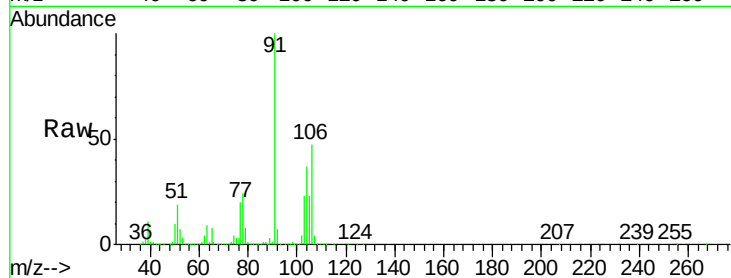
#69
o-Xylene
Concen: 50.135 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.0	110.7	331.9

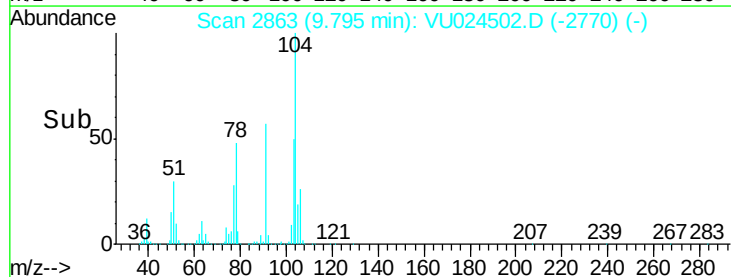
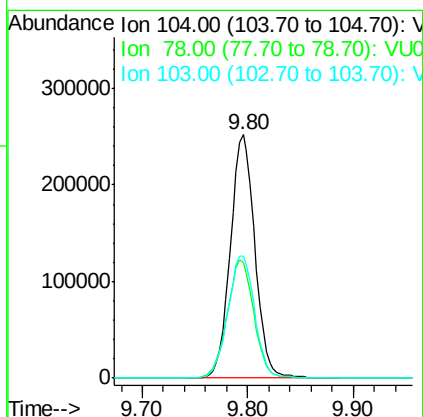
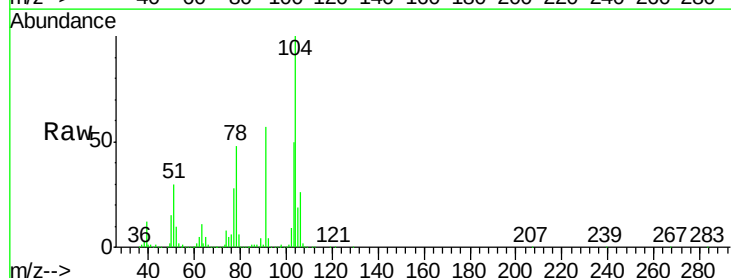
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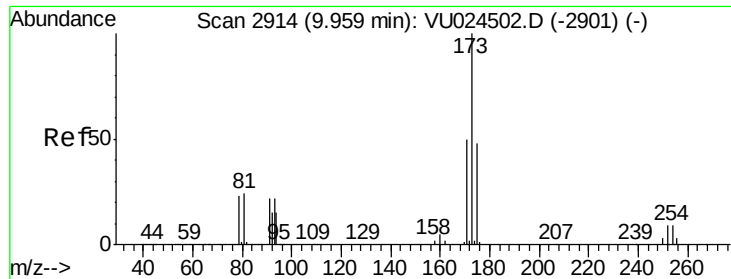
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#70
Styrene
Concen: 49.257 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	40.6	60.8
103	55.0	44.7	67.1





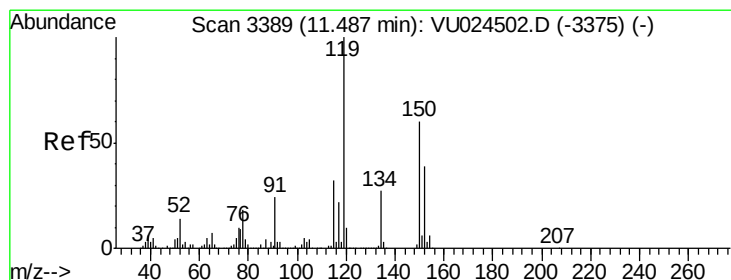
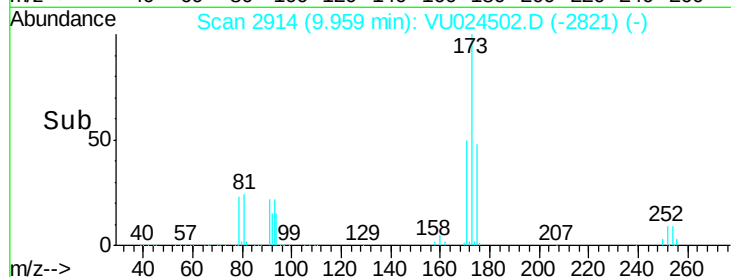
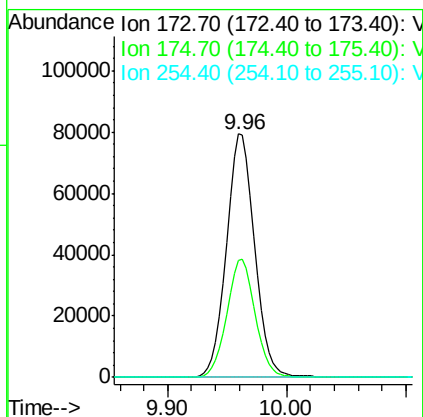
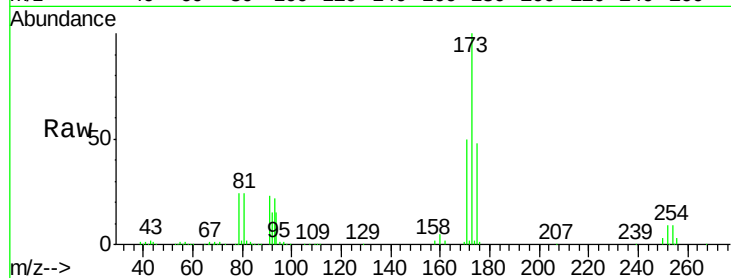
#71
Bromoform
Concen: 51.541 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	130235		
175	48.7	24.6	74.0	
254	0.0	0.0	0.0#	

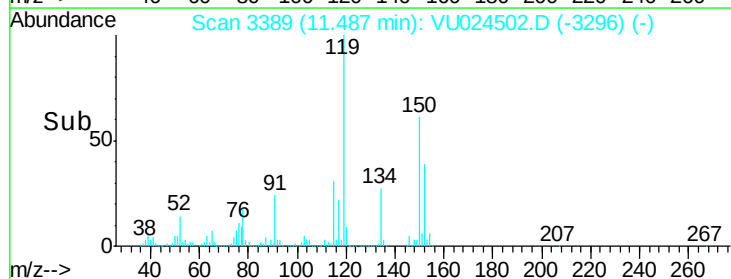
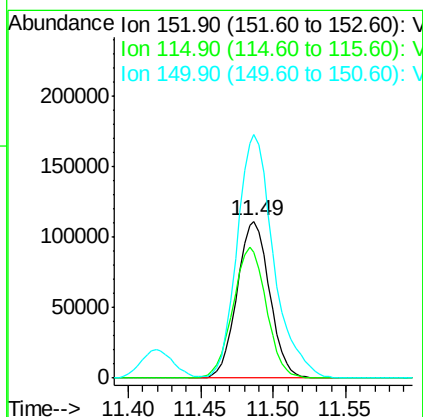
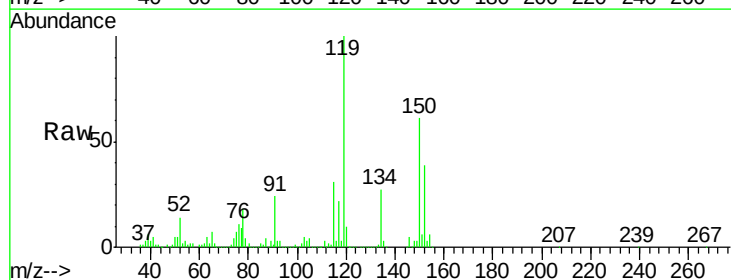
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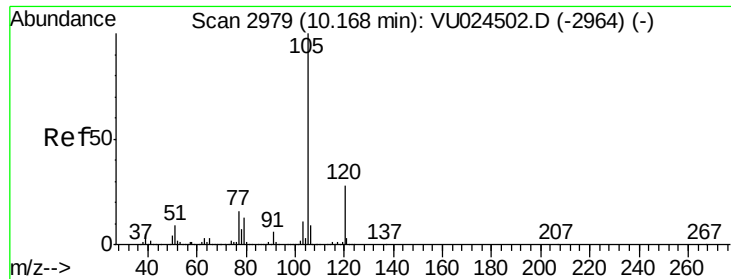
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	173479		
115	85.7	43.0	129.0	
150	173.7	0.0	354.0	





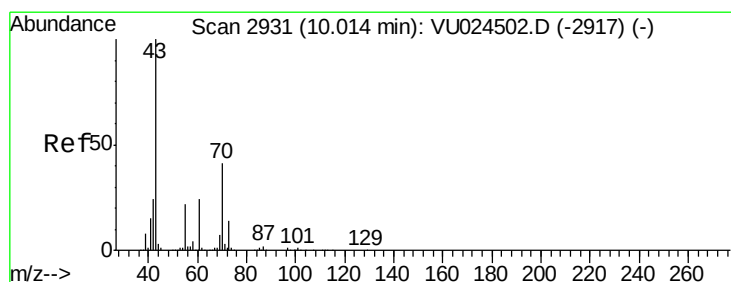
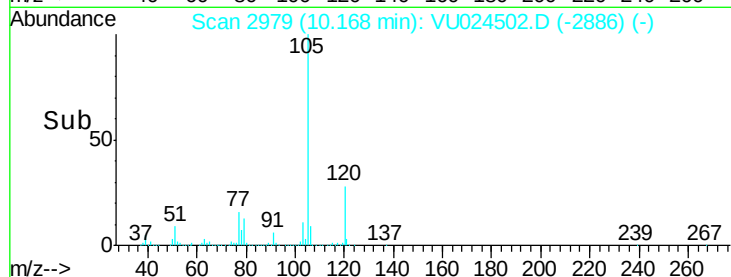
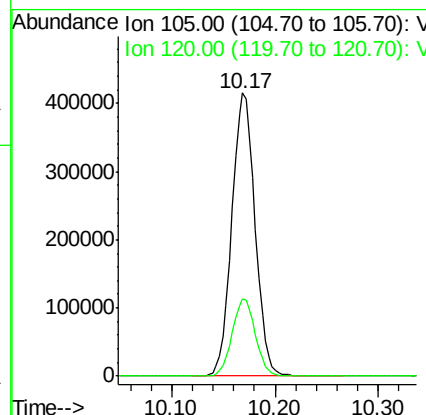
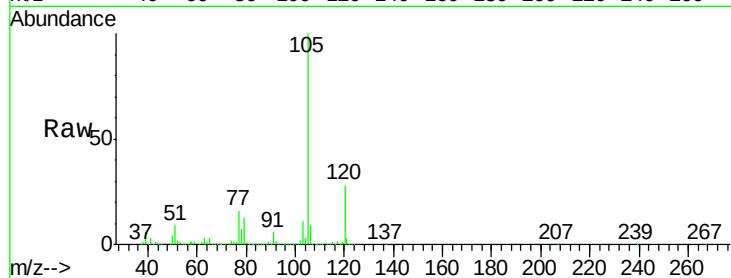
#73
Isopropylbenzene
Concen: 54.498 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.2	39.6

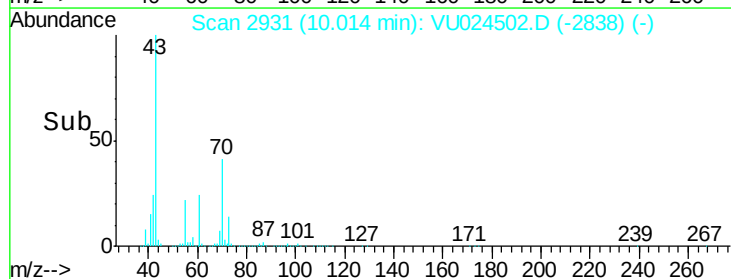
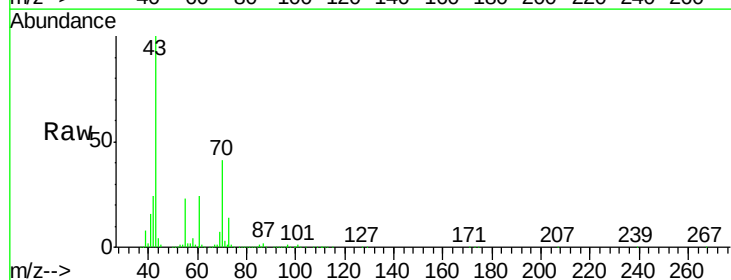
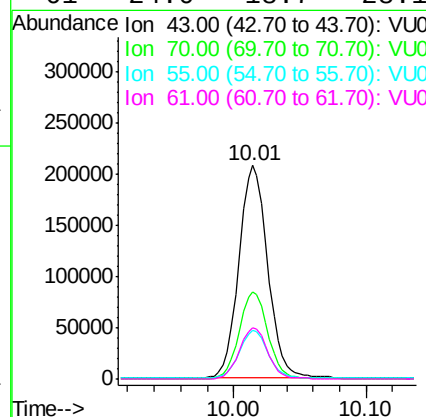
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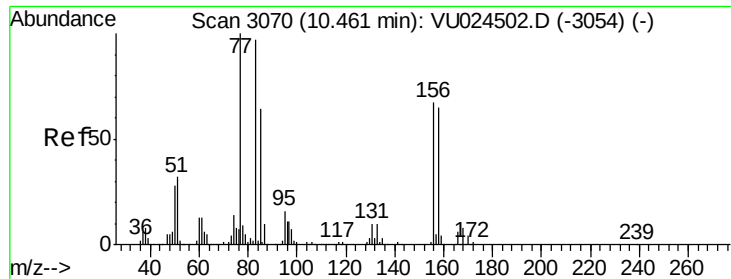
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#74
N-ethyl acetate
Concen: 57.330 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.4
55	22.1	20.5	30.7
61	24.0	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 40.836 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 211831

Ion Ratio Lower Upper

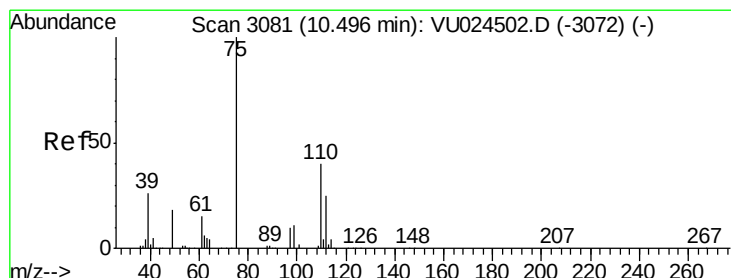
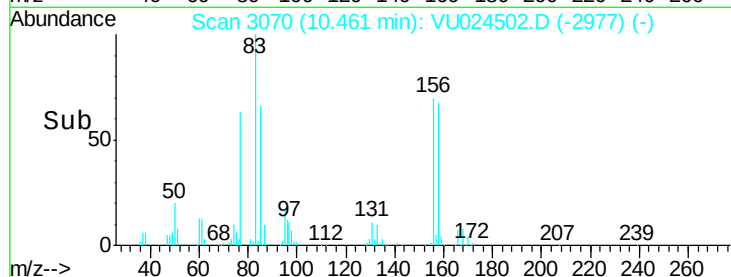
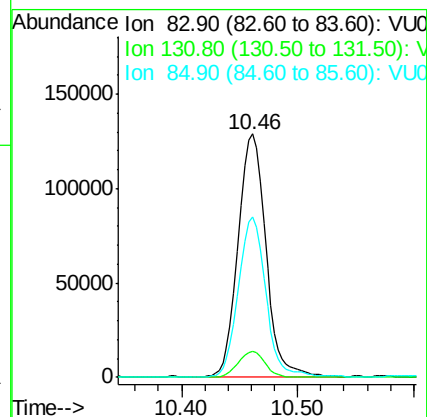
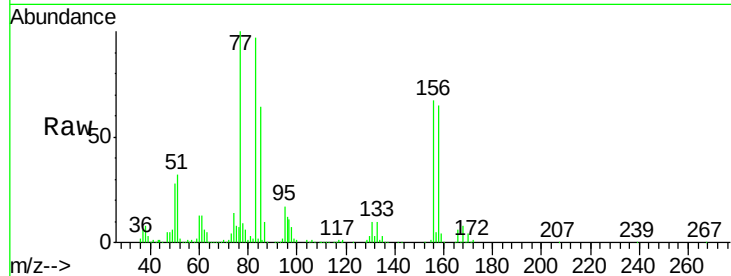
83 100

131 10.4 4.7 14.1

85 65.2 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 51.774 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024502.D

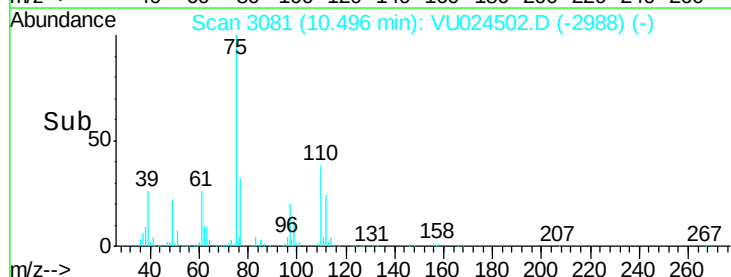
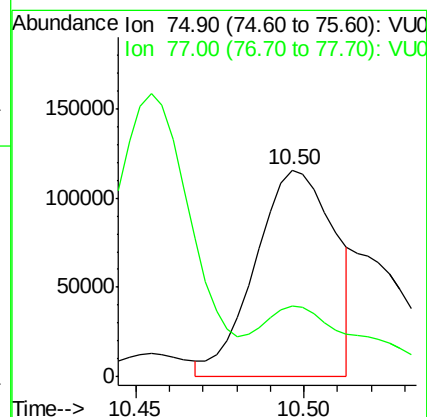
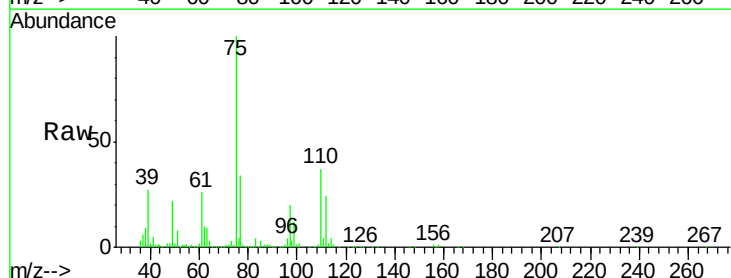
Acq: 13 Jun 2018 12:42

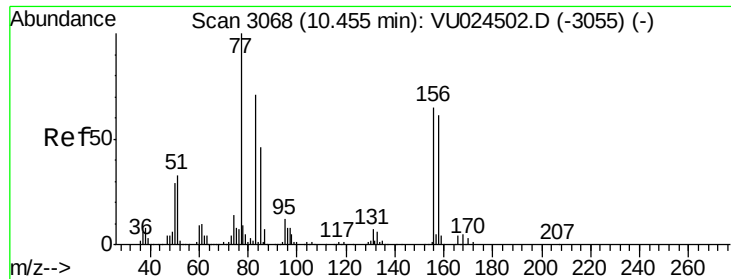
Tgt Ion: 75 Resp: 188385

Ion Ratio Lower Upper

75 100

77 43.7 20.9 62.7





#77

Bromobenzene

Concen: 49.999 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

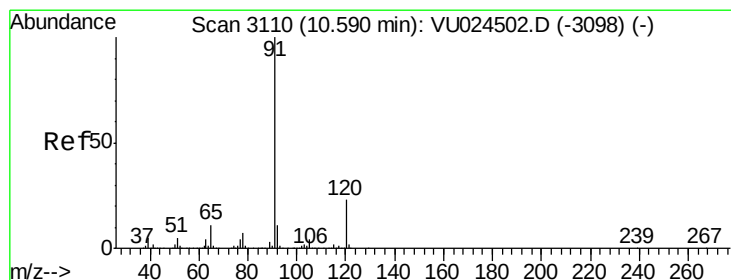
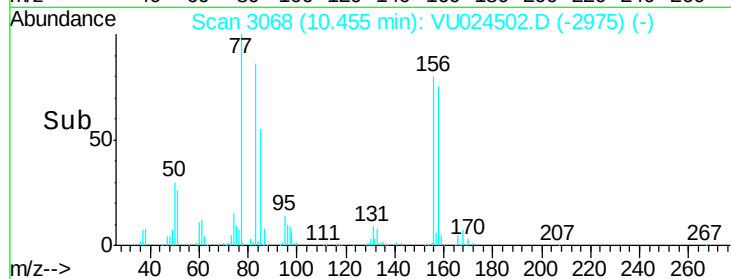
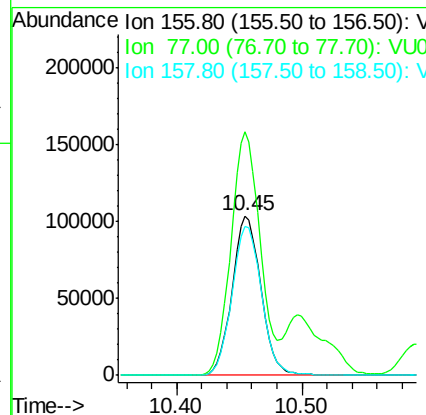
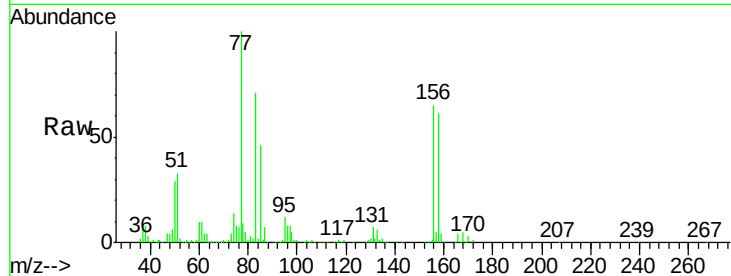
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	154.0	80.5	241.3
158	96.1	48.2	144.6

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#78

n-propylbenzene

Concen: 52.128 ug/l

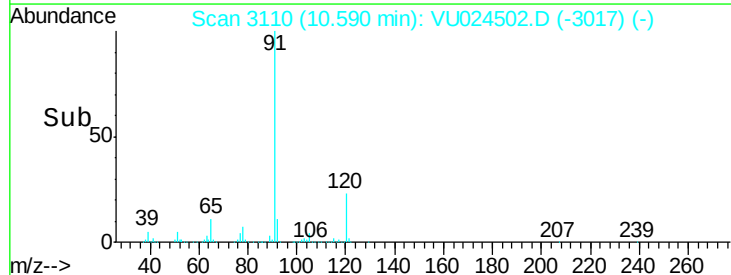
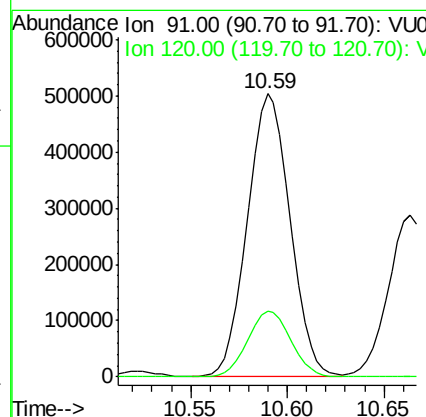
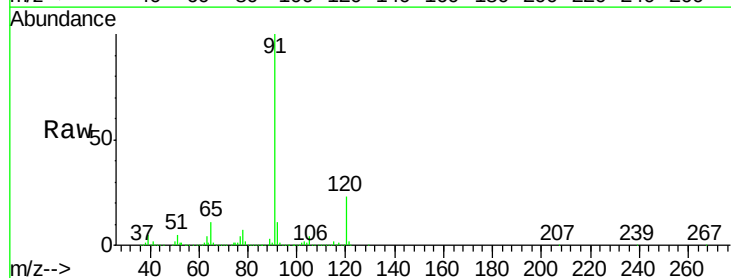
RT: 10.59 min Scan# 3110

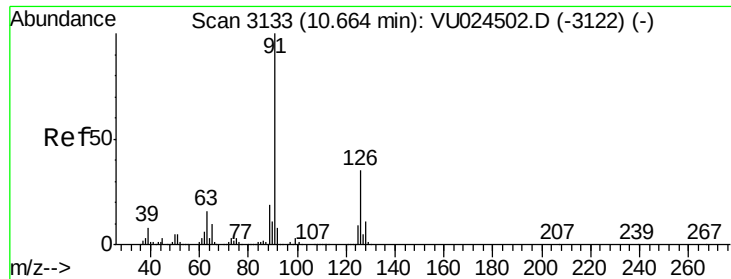
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 49.888 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

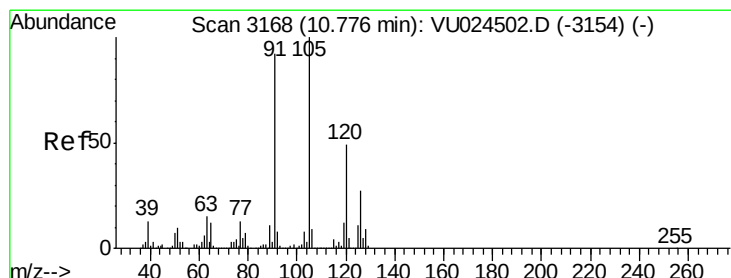
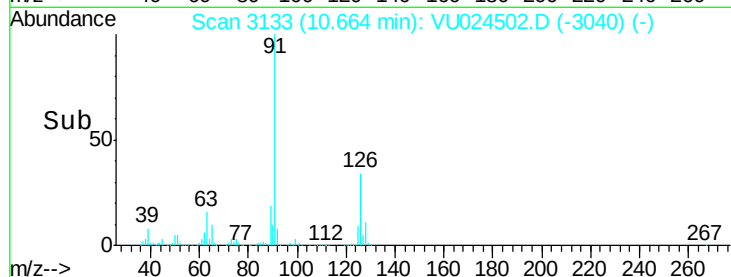
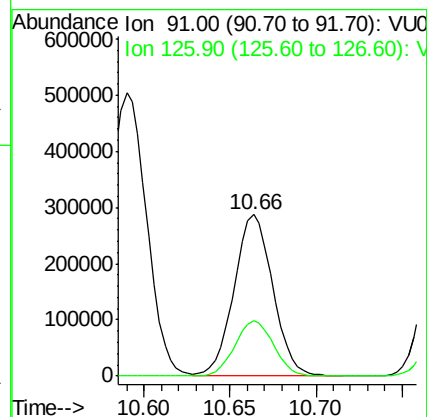
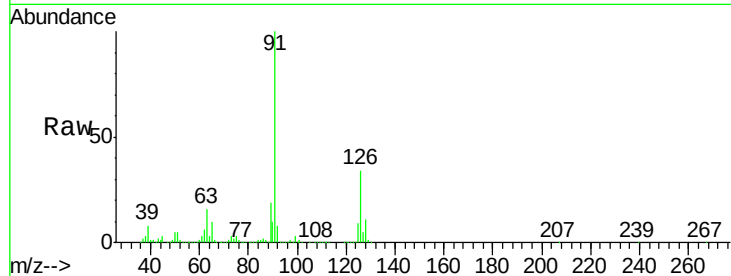
Tgt Ion: 91 Resp: 448992
Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 54.846 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

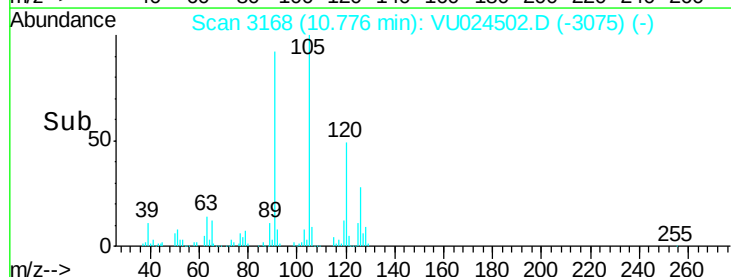
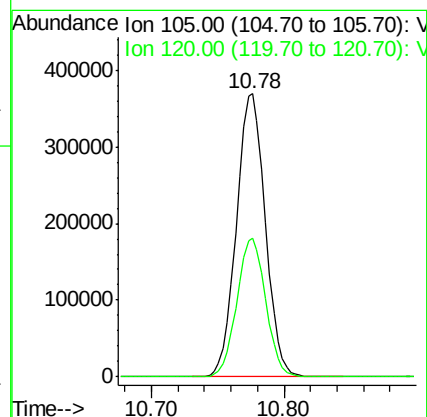
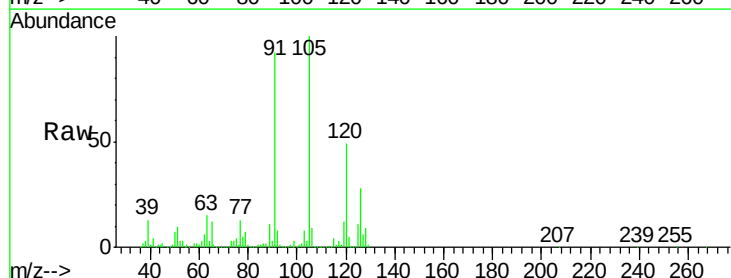
Lab File: VU024502.D

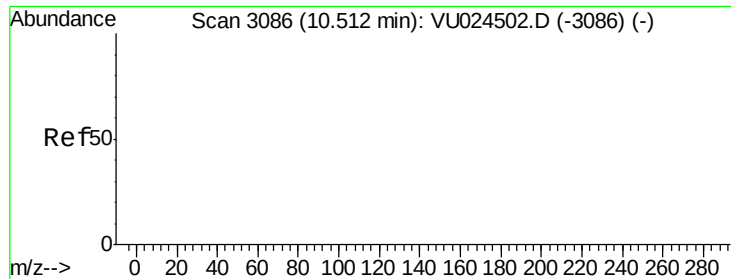
Acq: 13 Jun 2018 12:42

Tgt Ion: 105 Resp: 556275
Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.976 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

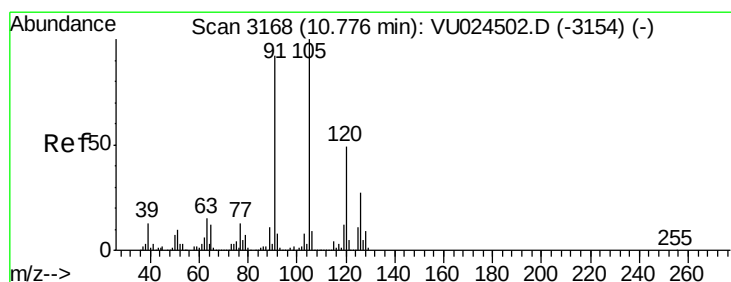
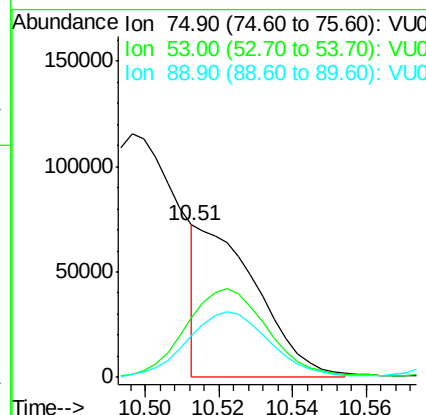
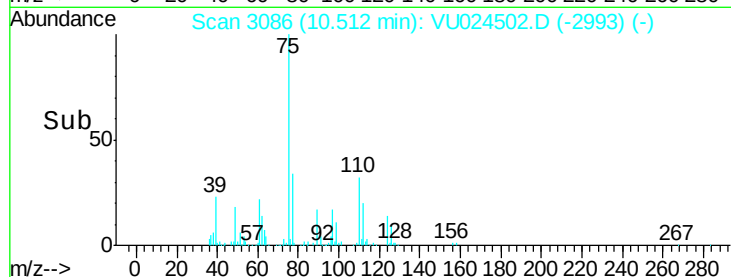
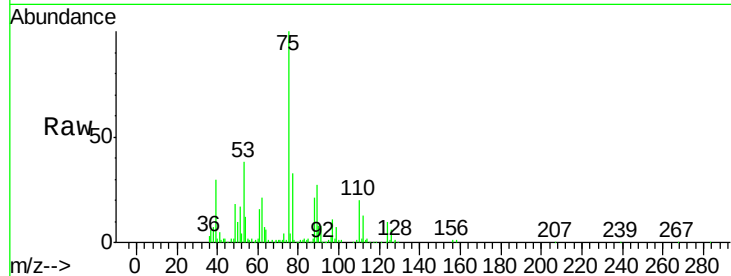
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	80572
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.707 ug/l

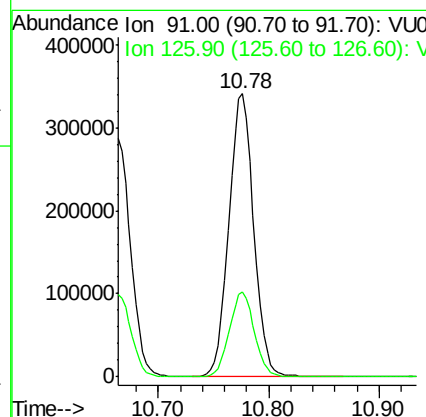
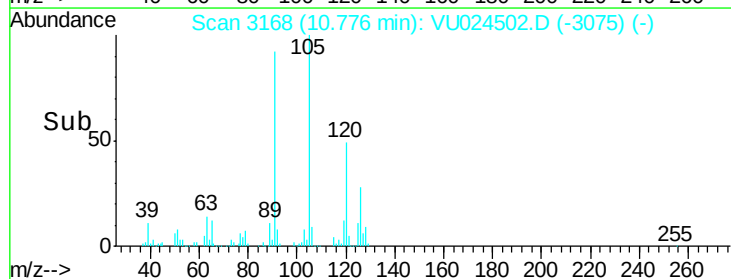
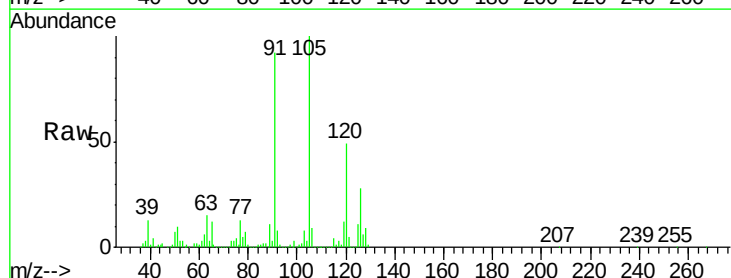
RT: 10.78 min Scan# 3168

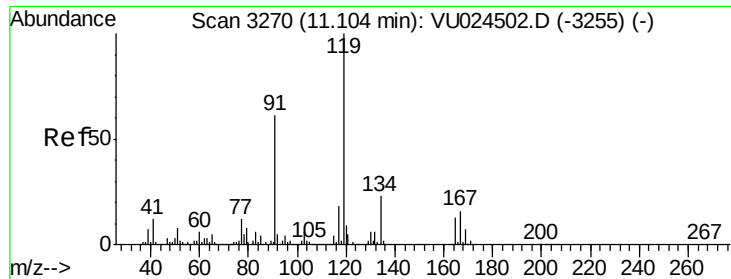
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	91	Resp:	529463
Ion Ratio	Lower	Upper	
91	100		
126	30.3	14.9	44.9





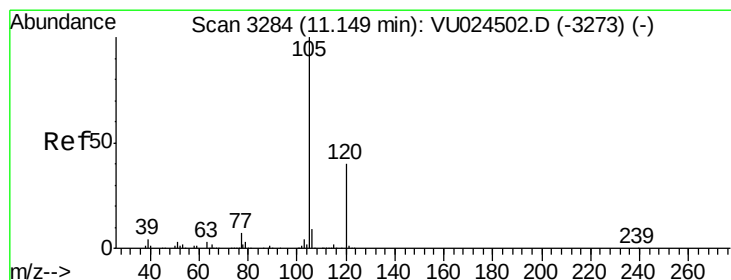
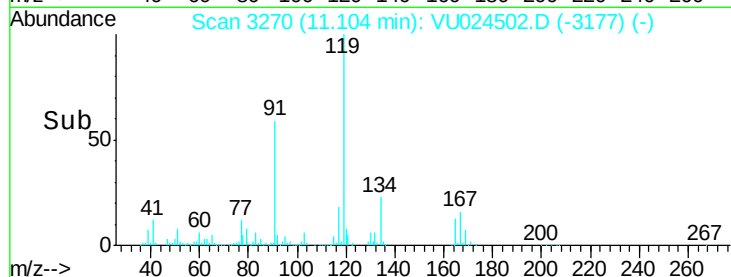
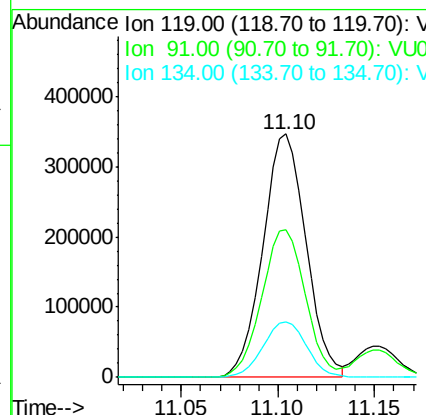
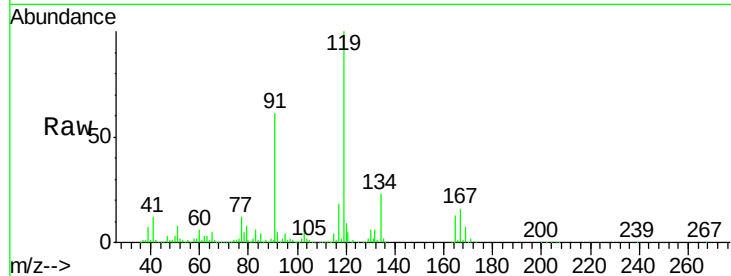
#83
 tert-Butylbenzene
 Concen: 54.531 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	538380		
91	61.0	29.7	89.1	
134	23.1	11.6	34.7	

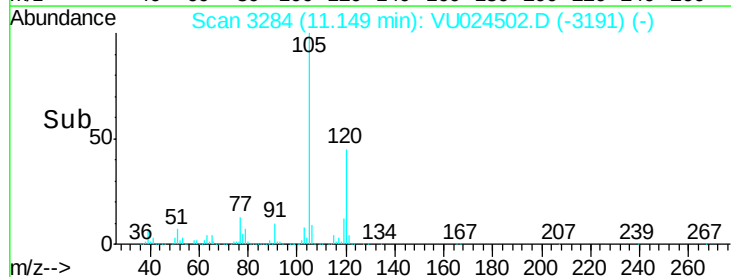
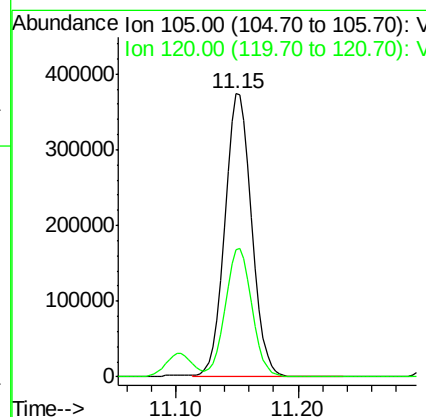
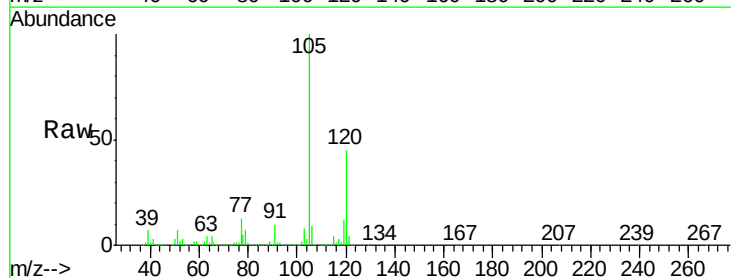
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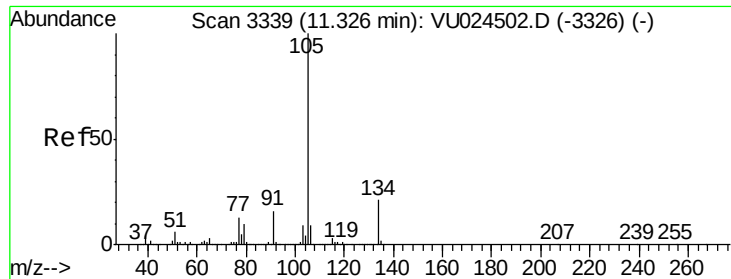
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.350 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	577535		
120	45.1	22.6	67.8	





#85

sec-Butylbenzene

Concen: 54.999 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 681754

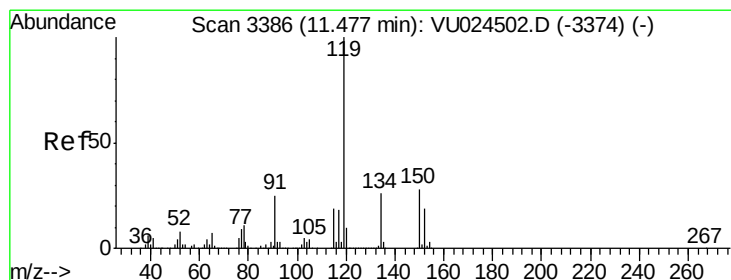
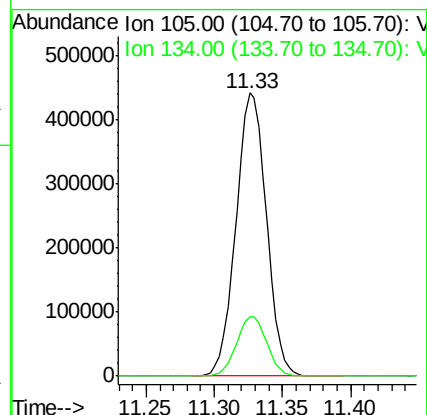
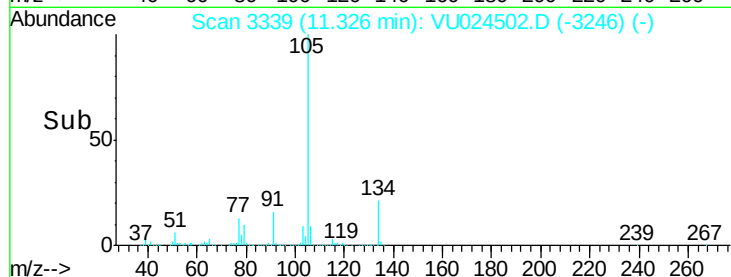
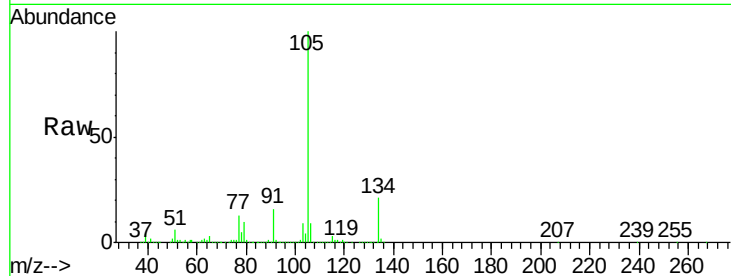
Ion Ratio Lower Upper

105 100

134 20.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 55.387 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

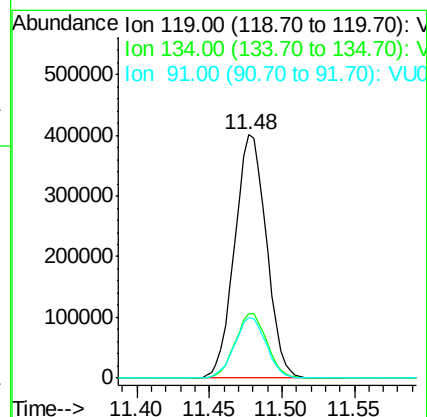
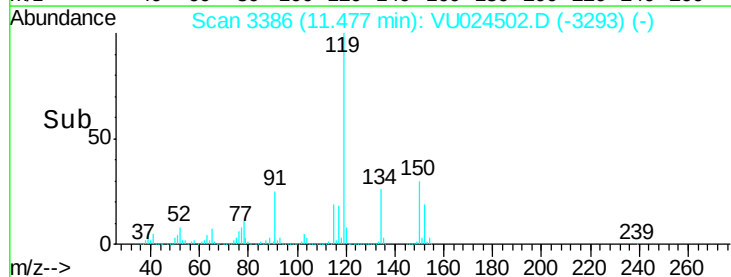
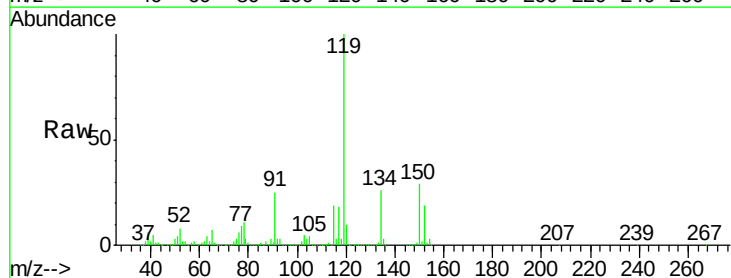
Tgt Ion:119 Resp: 606761

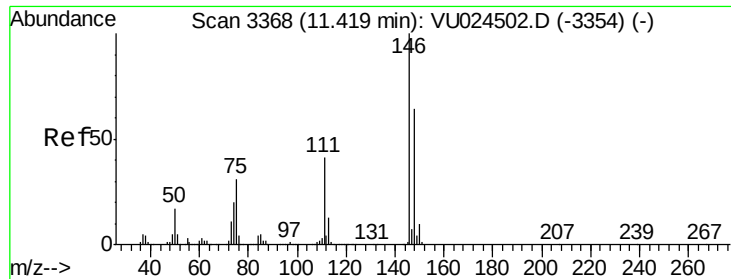
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 24.8 12.0 36.1





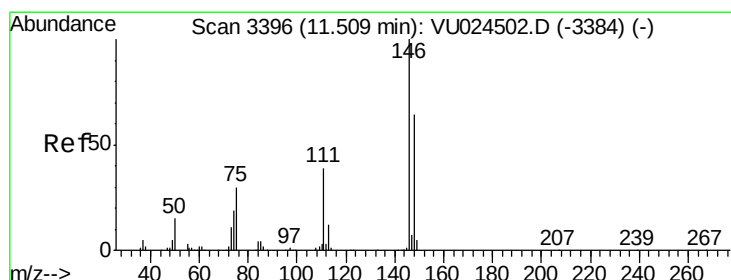
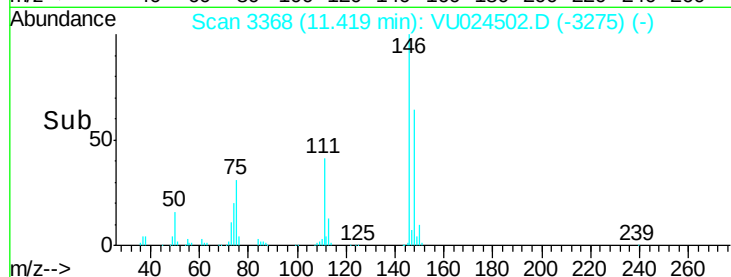
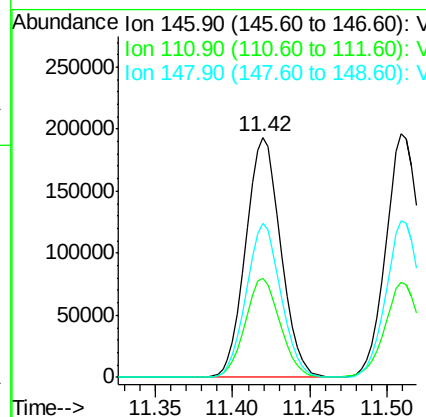
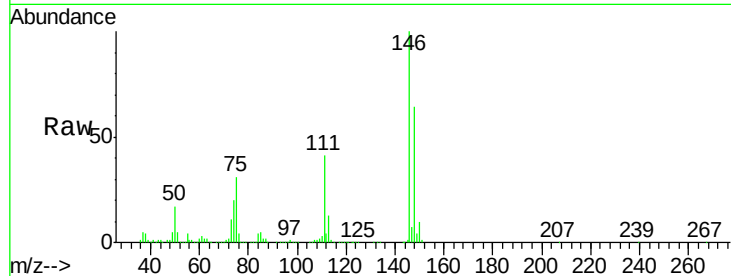
#87
 1,3-Dichlorobenzene
 Concen: 47.885 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.4	32.1	96.5

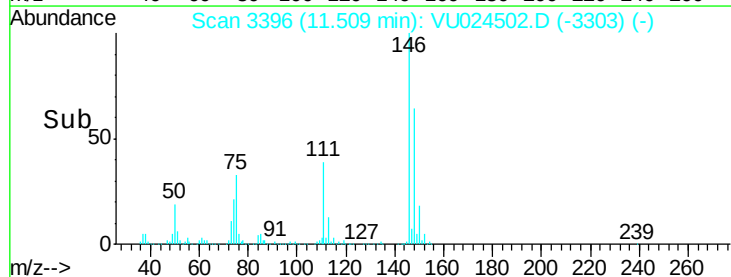
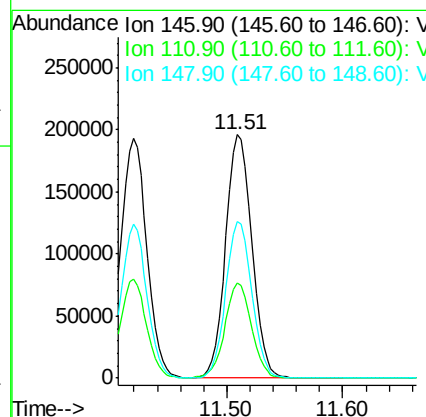
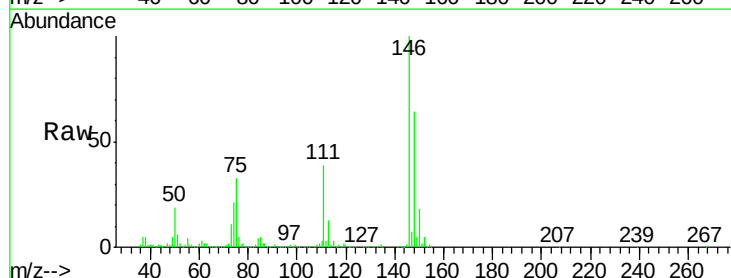
Manual Integrations
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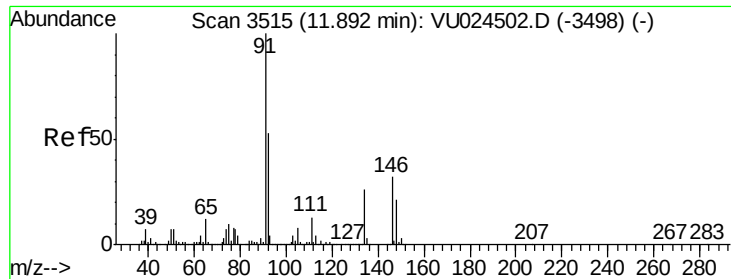
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.048 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.1	32.4	97.0





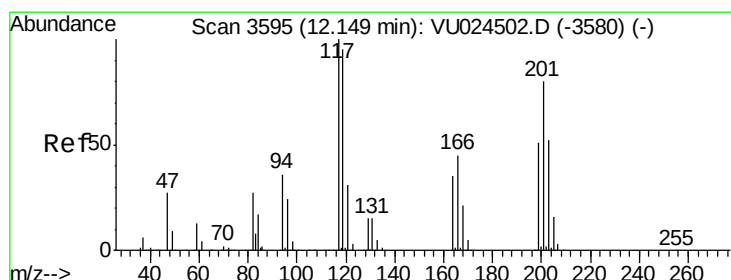
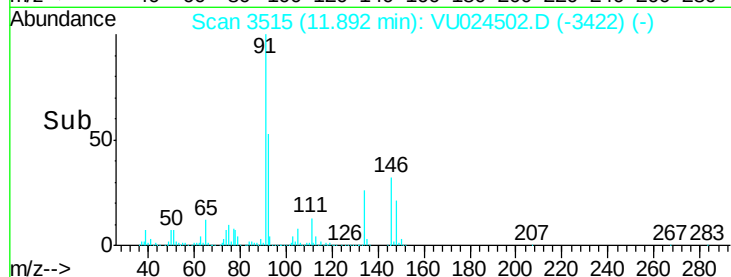
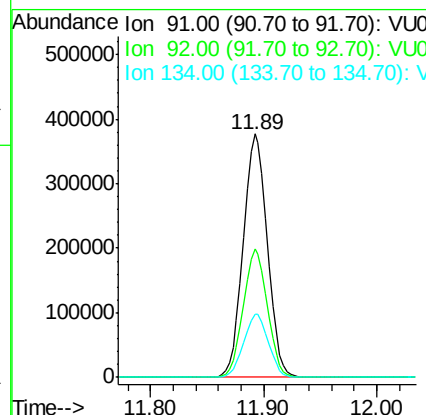
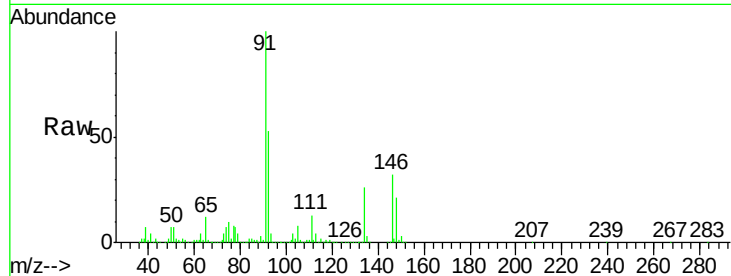
#89
n-Butylbenzene
Concen: 51.818 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.6	12.3	36.8

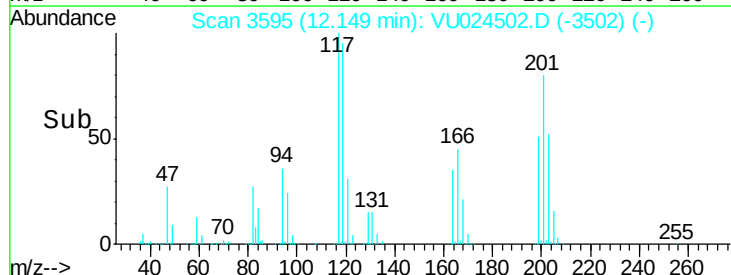
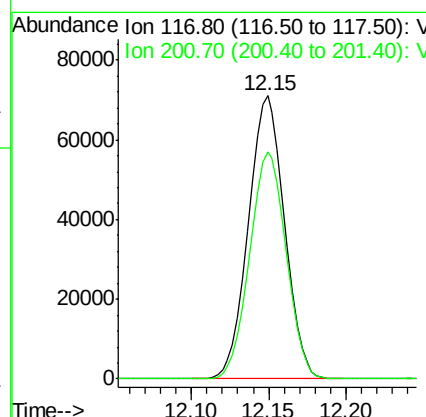
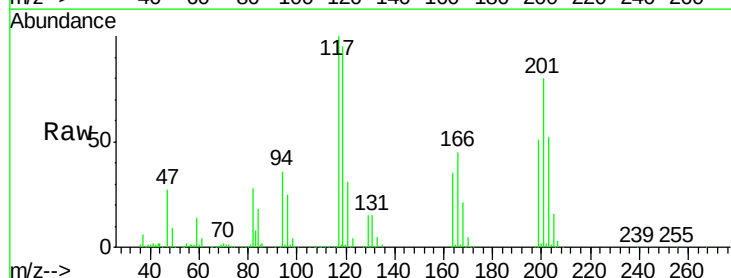
Manual Integrations
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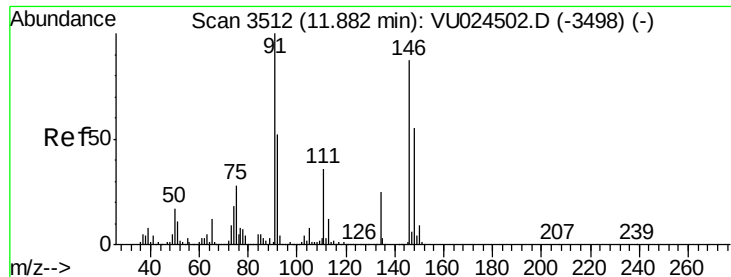
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#90
Hexachloroethane
Concen: 58.775 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.1	123.3





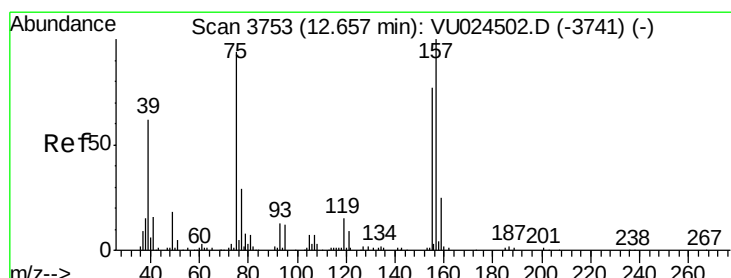
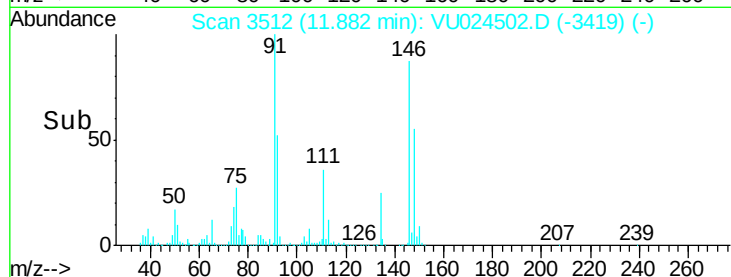
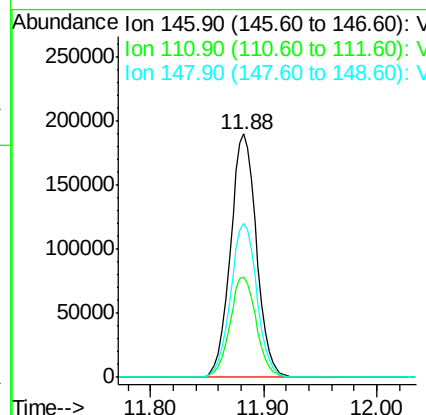
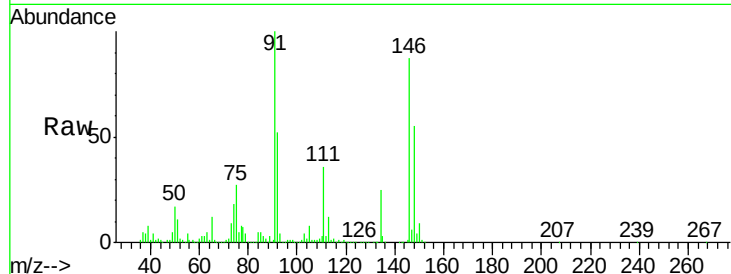
#91
 1,2-Dichlorobenzene
 Concen: 47.504 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	302359		
111	41.6	20.5	61.6	
148	64.0	31.9	95.7	

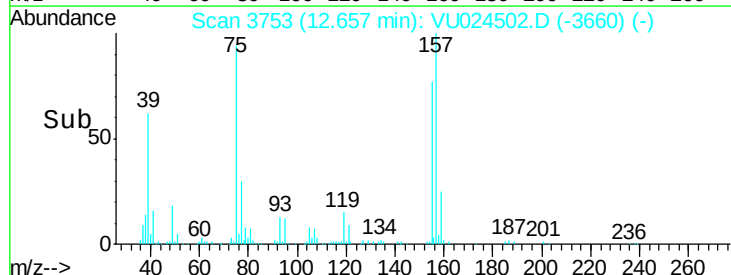
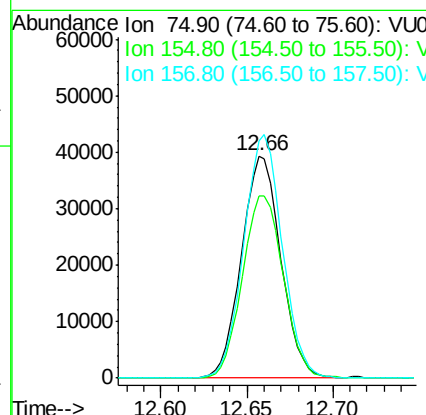
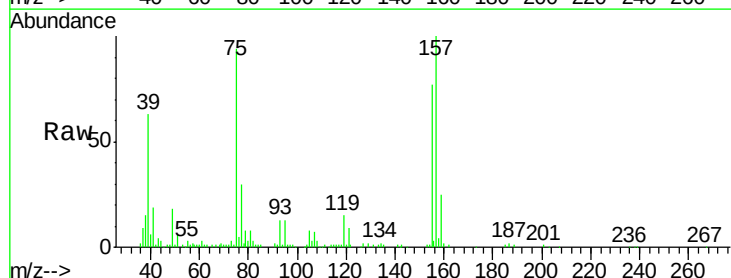
Manual Integrations
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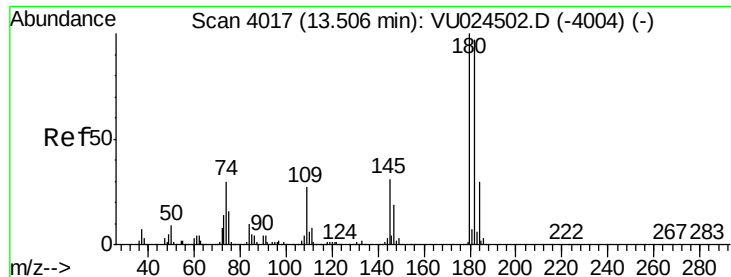
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 6/14/2018 9:44:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.045 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62519		
155	85.3	40.4	121.2	
157	107.4	52.3	156.8	





#93

1,2,4-Trichlorobenzene

Concen: 56.286 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Instrument :

MSVOA_U

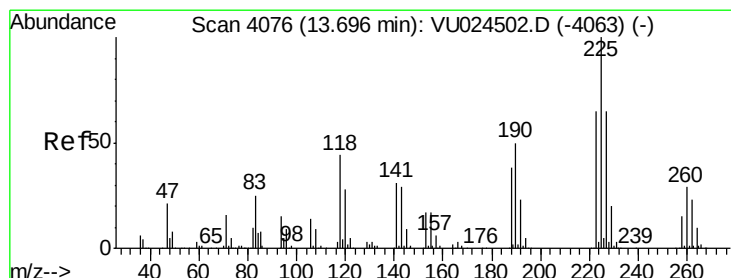
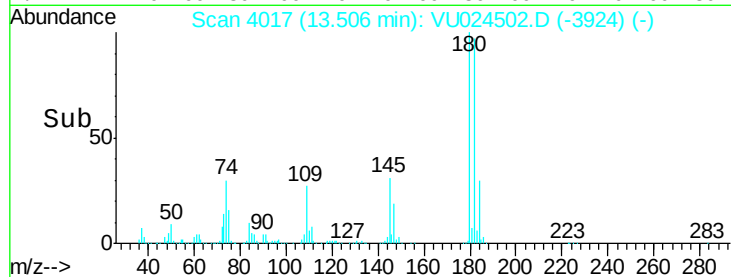
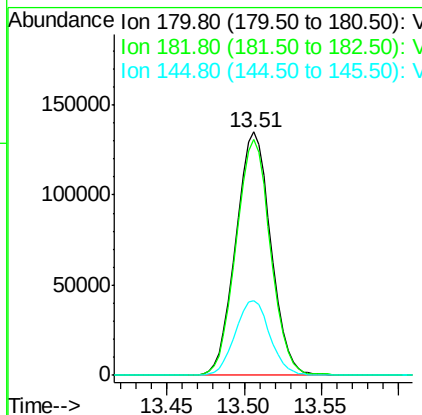
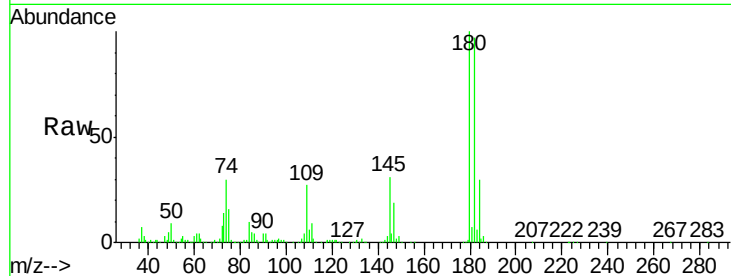
ClientSampleId :

VSTDICCC050

Tgt Ion:	180	Resp:	211618
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.2
145	30.7	14.7	44.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 48.104 ug/l

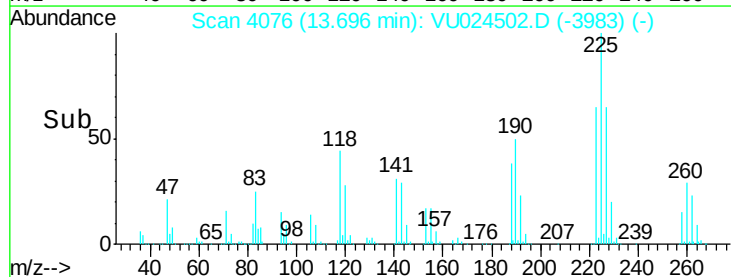
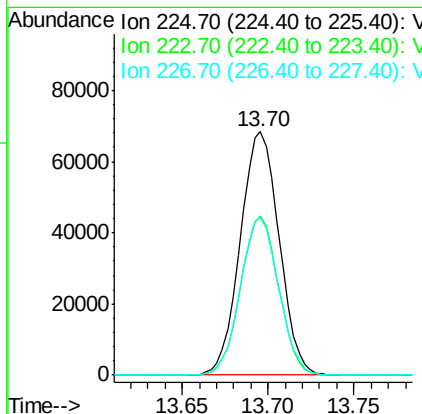
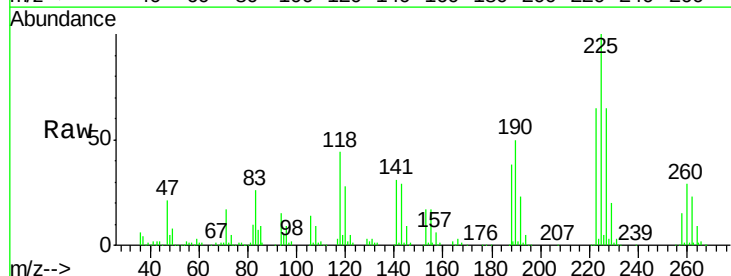
RT: 13.70 min Scan# 4076

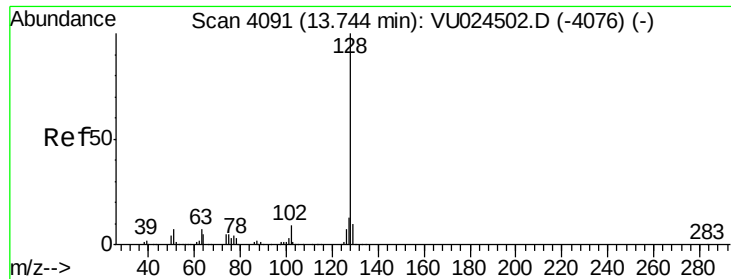
Delta R.T. 0.00 min

Lab File: VU024502.D

Acq: 13 Jun 2018 12:42

Tgt Ion:	225	Resp:	107429
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.3	93.8
227	63.8	31.8	95.4





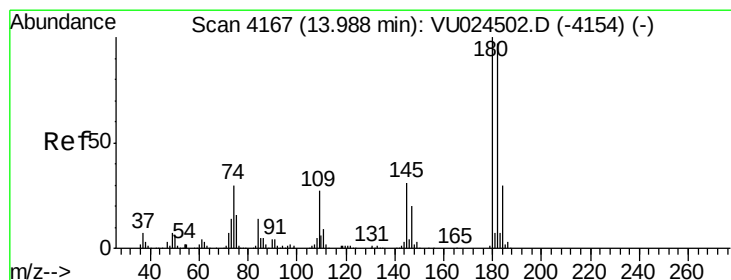
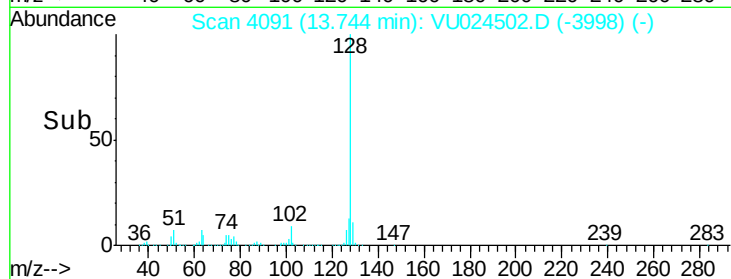
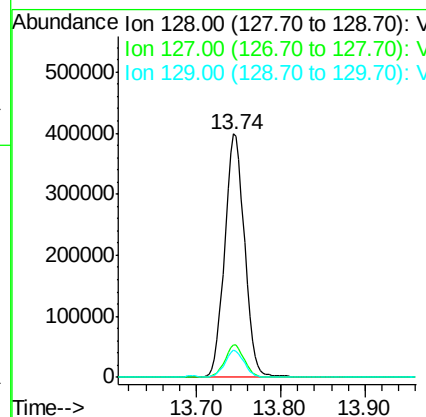
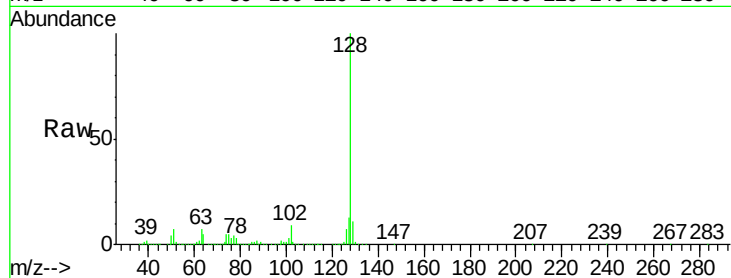
#95
Naphthalene
Concen: 63.651 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	654365		
127	13.1	10.6	16.0	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.094 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU024502.D
Acq: 13 Jun 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	213108		
182	96.2	47.9	143.7	
145	31.4	15.4	46.1	

