

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061318\
 Data File : VU024519.D
 Acq On : 13 Jun 2018 19:41
 Operator : MD/SY
 Sample : VU0613WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:45:02 AM

Quant Time: Jun 14 02:51:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	186907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147749	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
35) Dibromofluoromethane	4.89	113	123483	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	7.57	98	450646	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	10.31	95	174745	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	43622	18.646	ug/l	100
3) Chloromethane	1.33	50	49266	20.612	ug/l	100
4) Vinyl Chloride	1.41	62	49093	19.917	ug/l	94
5) Bromomethane	1.63	94	25789	21.643	ug/l	99
6) Chloroethane	1.70	64	31039	21.944	ug/l	99
7) Trichlorofluoromethane	1.89	101	73274	19.479	ug/l	98
8) Diethyl Ether	2.11	74	27182	20.108	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43627	18.694	ug/l	97
10) Methyl Iodide	2.41	142	34087	20.722	ug/l	100
11) Tert butyl alcohol	2.82	59	66818	90.039	ug/l	99
12) 1,1-Dichloroethene	2.29	96	41330	19.420	ug/l	92
13) Acrolein	2.20	56	36695	94.163	ug/l	95
14) Allyl chloride	2.60	41	71744	18.156	ug/l	93
15) Acrylonitrile	2.94	53	147870	102.414	ug/l	98
16) Acetone	2.32	43	130336	79.499	ug/l	98
17) Carbon Disulfide	2.48	76	131754	19.334	ug/l	100
18) Methyl Acetate	2.62	43	68293	19.431	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	151691	18.962	ug/l	99
20) Methylene Chloride	2.71	84	49343	19.182	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	45845	19.558	ug/l	95
22) Diisopropyl ether	3.57	45	152024	19.407	ug/l #	88
23) Vinyl Acetate	3.53	43	706008	100.614	ug/l	98
24) 1,1-Dichloroethane	3.45	63	87068	19.322	ug/l	97
25) 2-Butanone	4.27	43	212501	96.496	ug/l	97
26) 2,2-Dichloropropane	4.24	77	73844	17.258	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	53864	19.988	ug/l	95
28) Bromochloromethane	4.55	49	44134	22.235	ug/l	89
29) Tetrahydrofuran	4.64	42	137459	100.796	ug/l	98
30) Chloroform	4.68	83	87846	19.260	ug/l	98
31) Cyclohexane	5.00	56	81768	19.218	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	81149	19.240	ug/l	96
36) 1,1-Dichloropropene	5.14	75	64516	18.175	ug/l	96
37) Ethyl Acetate	4.38	43	79809	20.629	ug/l	98
38) Carbon Tetrachloride	5.14	117	72523	18.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	79577	17.965	ug/l	96
40) Benzene	5.40	78	192621	19.044	ug/l	100
41) Methacrylonitrile	4.55	41	42531	20.389	ug/l	97
42) 1,2-Dichloroethane	5.41	62	70564	18.318	ug/l	100
43) Isopropyl Acetate	5.55	43	130264	19.479	ug/l	99
44) Trichloroethene	6.19	130	53482	18.579	ug/l	96
45) 1,2-Dichloropropane	6.44	63	54397	20.156	ug/l	99
46) Dibromomethane	6.56	93	36716	19.368	ug/l	96
47) Bromodichloromethane	6.76	83	71954	19.062	ug/l	99
48) Methyl methacrylate	6.63	41	62385	19.158	ug/l	99
49) 1,4-Dioxane	6.62	88	22217	348.869	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	416263	99.077	ug/l	98
52) Toluene	7.64	92	124083	19.068	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	78151	18.436	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	83702	18.530	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	48767	18.436	ug/l	99
56) Ethyl methacrylate	8.02	69	84519	19.091	ug/l	100
57) 1,3-Dichloropropane	8.25	76	85614	19.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	170522	100.537	ug/l	97
59) 2-Hexanone	8.36	43	329255	95.991	ug/l	100
60) Dibromochloromethane	8.48	129	60190	18.248	ug/l	98
61) 1,2-Dibromoethane	8.59	107	54921	18.654	ug/l	100
64) Tetrachloroethene	8.23	164	45961	16.981	ug/l	98
65) Chlorobenzene	9.12	112	138178	18.996	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	52472	18.987	ug/l	99
67) Ethyl Benzene	9.25	91	243975	19.132	ug/l	98
68) m/p-Xylenes	9.38	106	185283	37.838	ug/l	99
69) o-Xylene	9.78	106	91451	18.871	ug/l	97
70) Styrene	9.80	104	151701	19.049	ug/l	99
71) Bromoform	9.96	173	50450	19.206	ug/l #	99
73) Isopropylbenzene	10.17	105	243615	19.095	ug/l	99
74) N-amyl acetate	10.01	43	118284	19.492	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	85519	20.004	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	75775m	20.712	ug/l	
77) Bromobenzene	10.46	156	61555	19.058	ug/l	97
78) n-propylbenzene	10.59	91	290325	19.318	ug/l	97
79) 2-Chlorotoluene	10.66	91	168970	19.066	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	208861	18.888	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	31114m	19.683	ug/l	
82) 4-Chlorotoluene	10.78	91	197099	19.108	ug/l	98
83) tert-Butylbenzene	11.10	119	207677	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	214797	19.061	ug/l	100
85) sec-Butylbenzene	11.33	105	255162	19.164	ug/l	98
86) p-Isopropyltoluene	11.48	119	224955	18.865	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	111585	18.700	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113910	18.966	ug/l	98
89) n-Butylbenzene	11.89	91	204752	19.340	ug/l	98
90) Hexachloroethane	12.15	117	44986	19.339	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	112857	18.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23138	19.614	ug/l	91

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ClientSampleId :
VU0613WBSD01

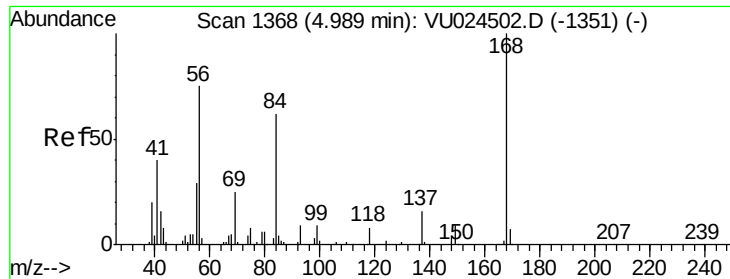
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73791	19.993	ug/l	99
94) Hexachlorobutadiene	13.70	225	38773	18.664	ug/l	98
95) Naphthalene	13.75	128	230711	19.305	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76324	20.753	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion:168 Resp: 186907

Ion Ratio Lower Upper

168 100

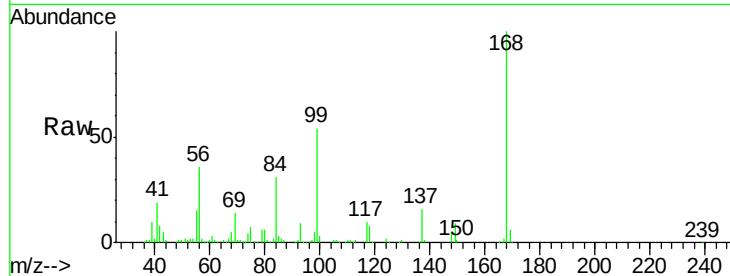
99 53.0 43.2 64.8

Manual Integrations

APPROVED

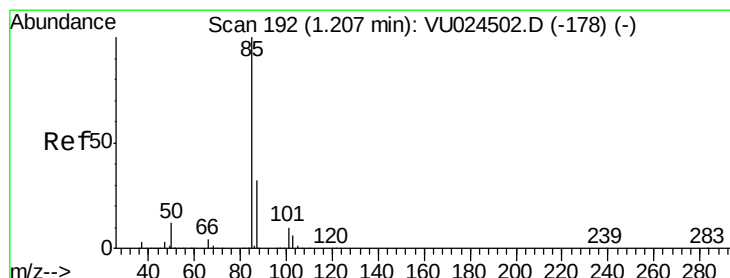
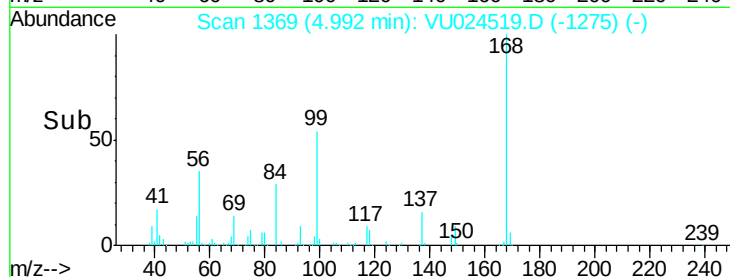
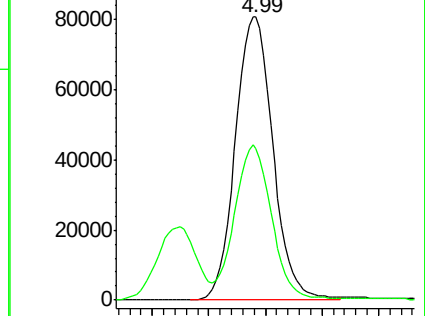
MMDadoda

6/14/2018 9:45:02 AM



Abundance Ion 167.90 (167.60 to 168.60): VU024519.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024519.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 18.646 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024519.D

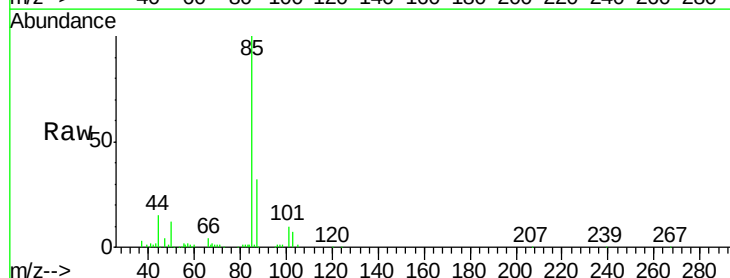
Acq: 13 Jun 2018 19:41

Tgt Ion: 85 Resp: 43622

Ion Ratio Lower Upper

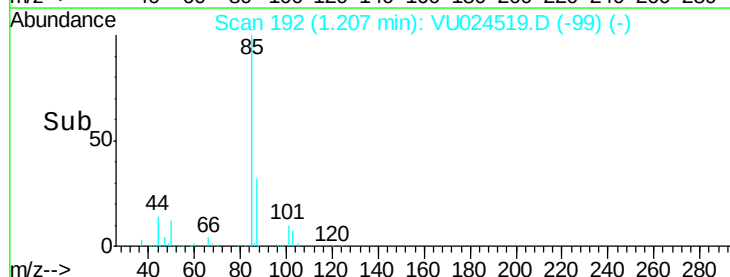
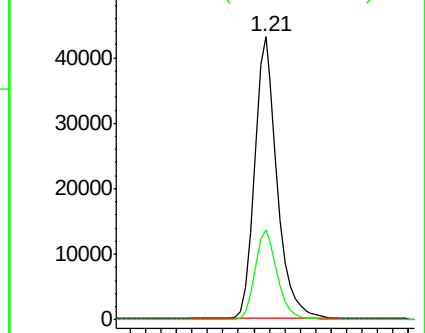
85 100

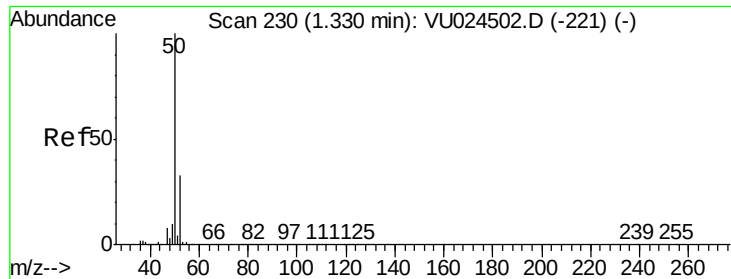
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024519.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU024519.D (-99) (-)





#3

Chloromethane

Concen: 20.612 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 50 Resp: 49266

Ion Ratio Lower Upper

50 100

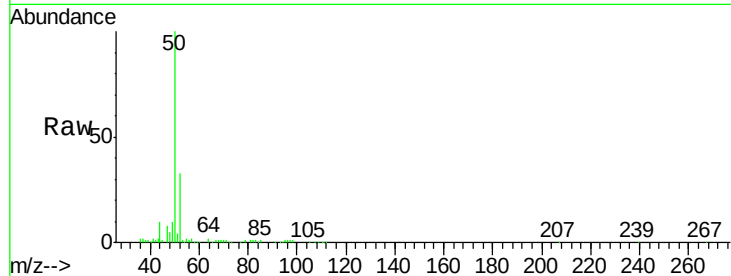
52 33.1 26.4 39.6

Manual Integrations

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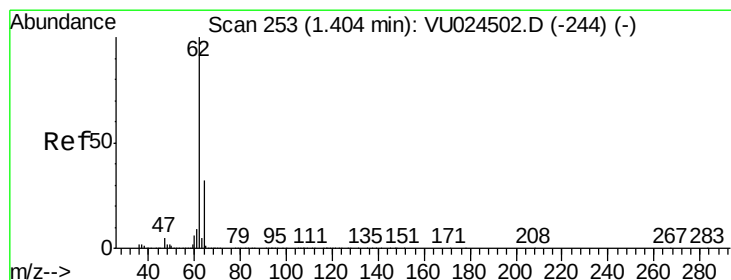
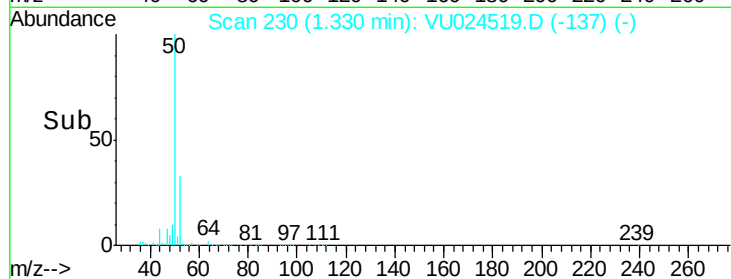
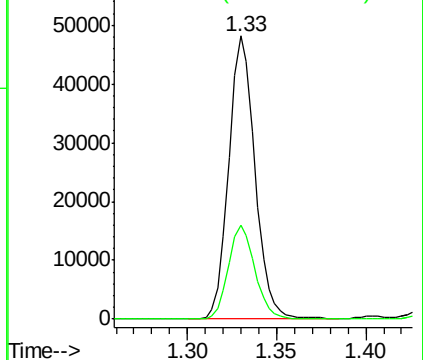
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.917 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024519.D

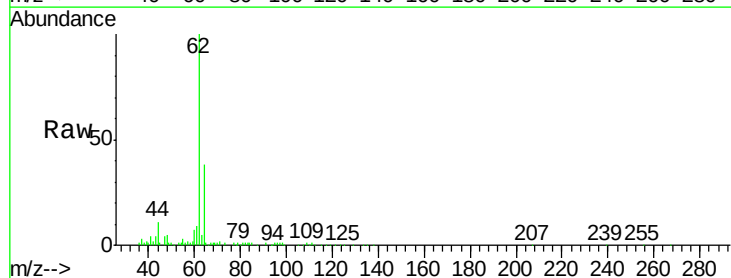
Acq: 13 Jun 2018 19:41

Tgt Ion: 62 Resp: 49093

Ion Ratio Lower Upper

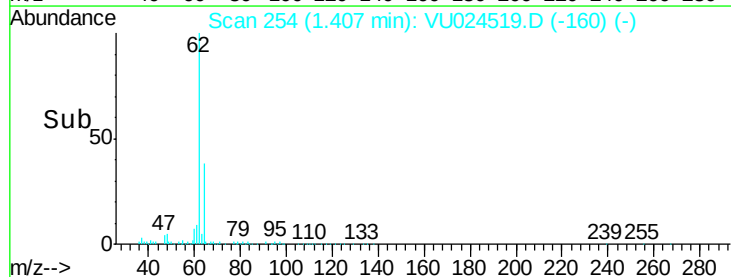
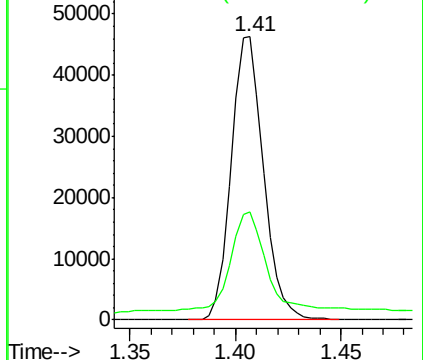
62 100

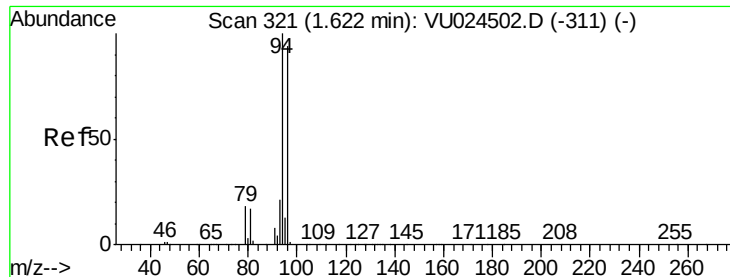
64 34.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.643 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 94 Resp: 25789

Ion Ratio Lower Upper

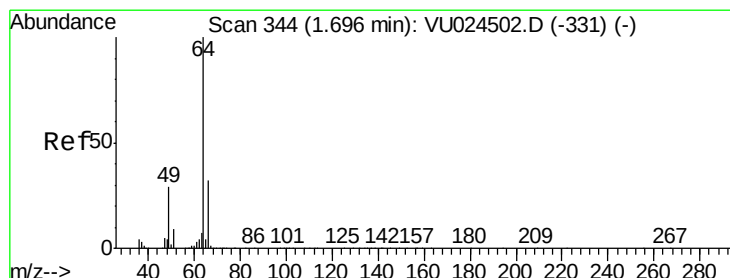
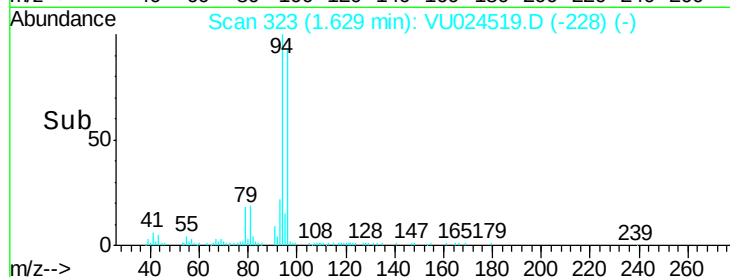
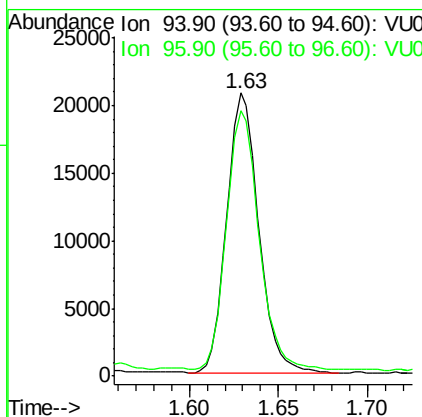
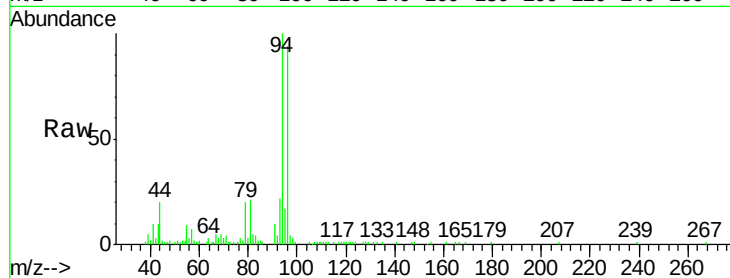
94 100

96 92.5 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 21.944 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024519.D

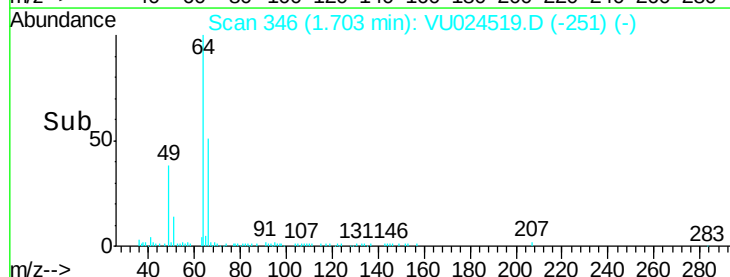
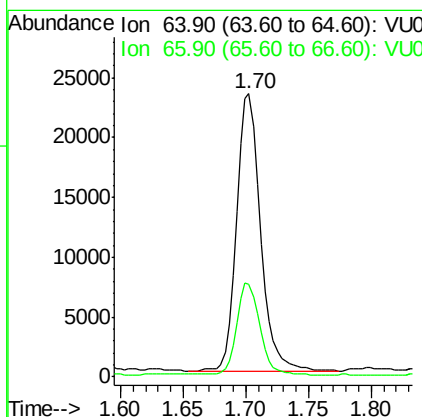
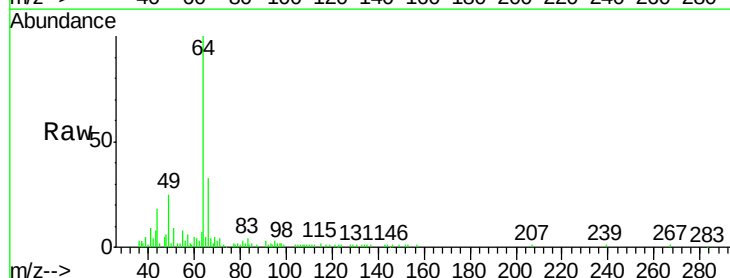
Acq: 13 Jun 2018 19:41

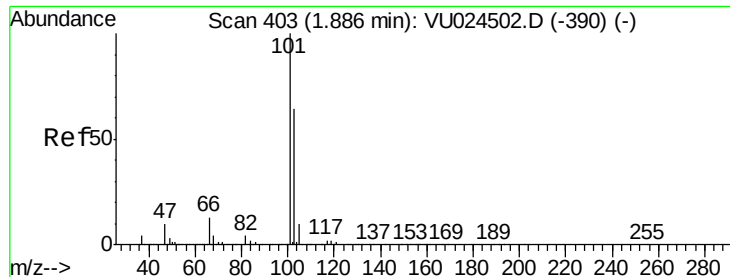
Tgt Ion: 64 Resp: 31039

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

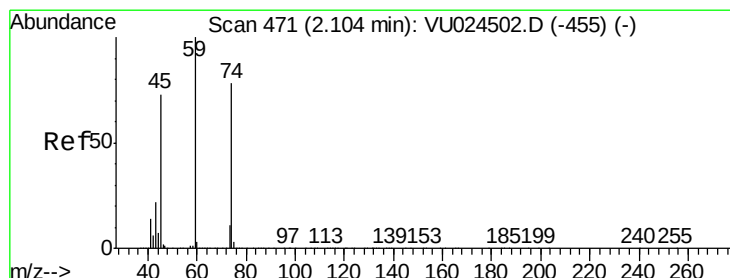
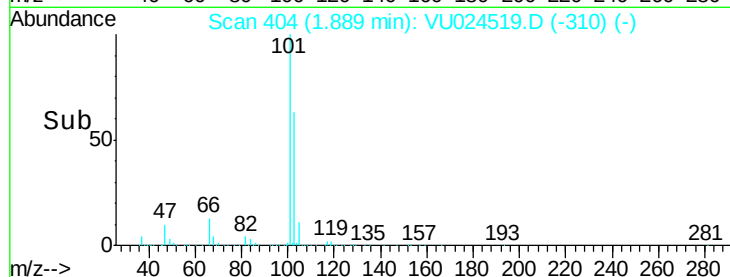
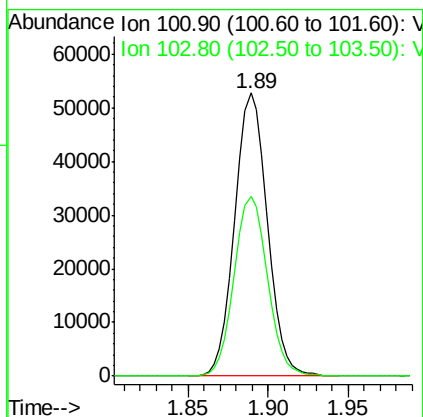
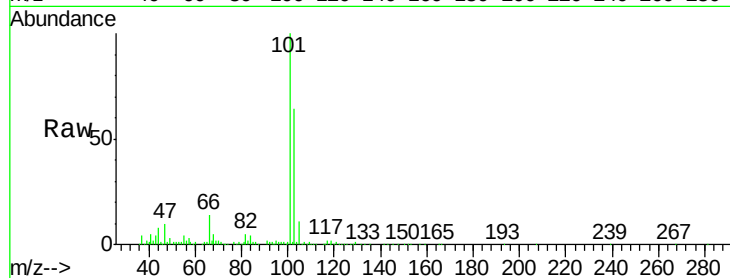
Trichlorofluoromethane
Concen: 19.479 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
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ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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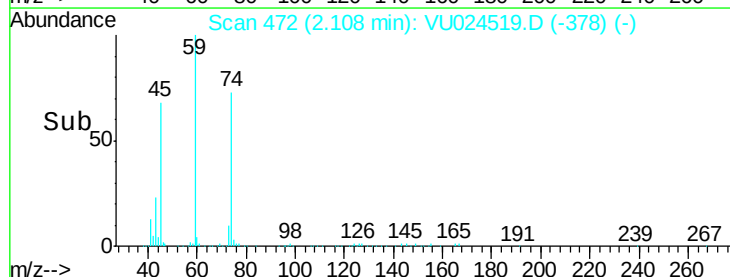
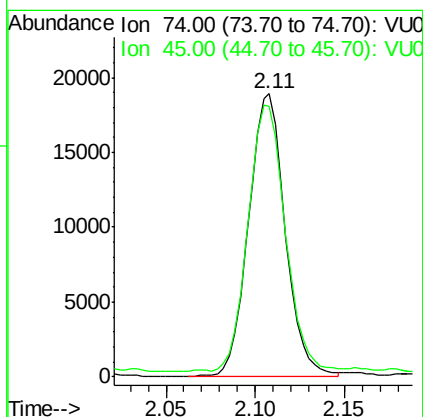
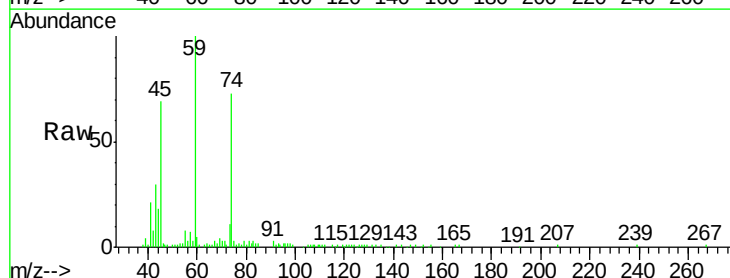
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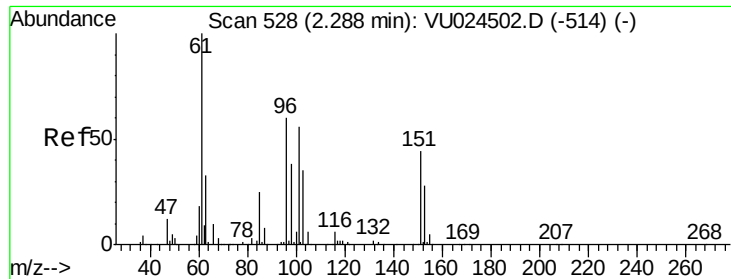


#8

Diethyl Ether
Concen: 20.108 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.694 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

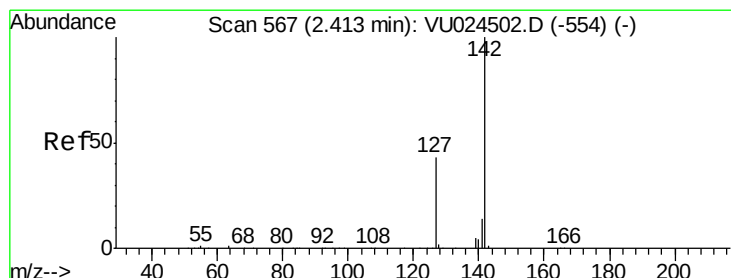
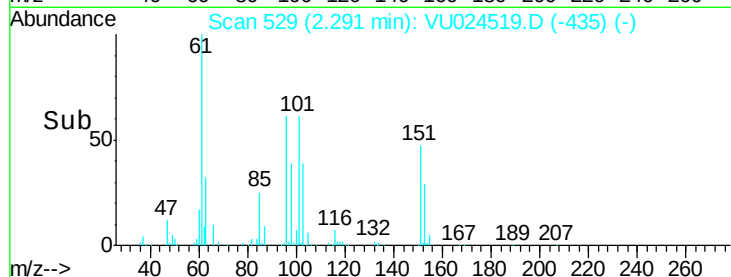
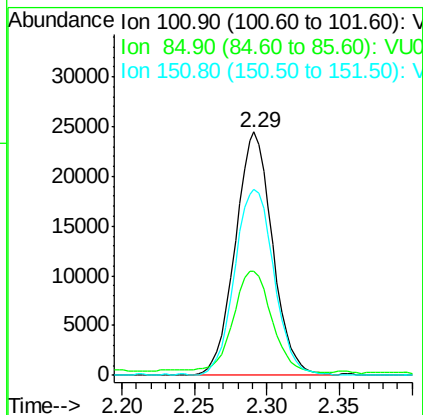
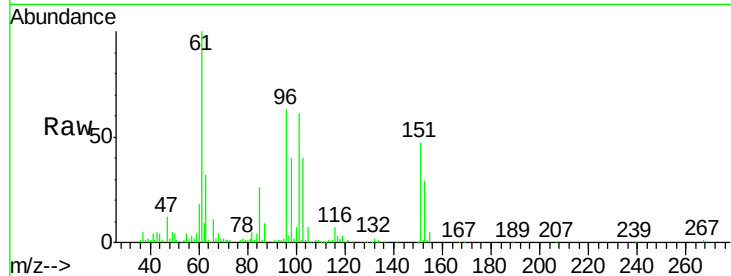
ClientSampleId :

VU0613WBSD01

Tot Ion:	101	Resp:	43627
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	80.6	62.3	93.5

Manual Integrations
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MMDadoda
6/14/2018 9:45:02 AM



#10

Methyl Iodide

Concen: 20.722 ug/l

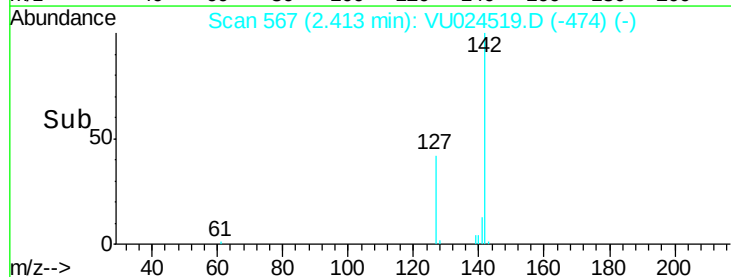
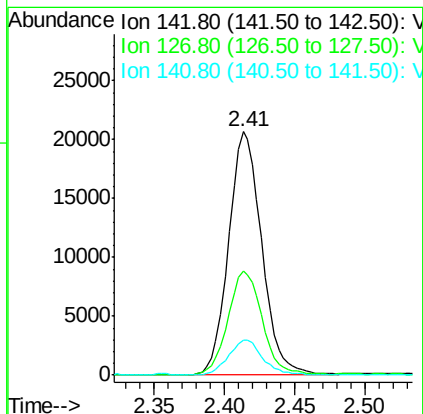
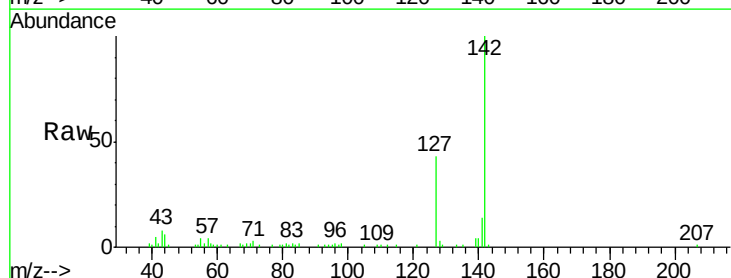
RT: 2.41 min Scan# 567

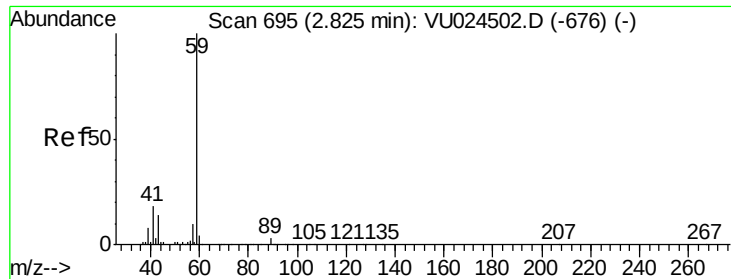
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	142	Resp:	34087
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.6	53.4
141	14.7	11.7	17.5





#11

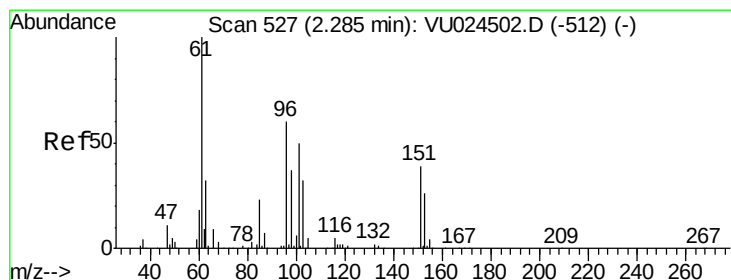
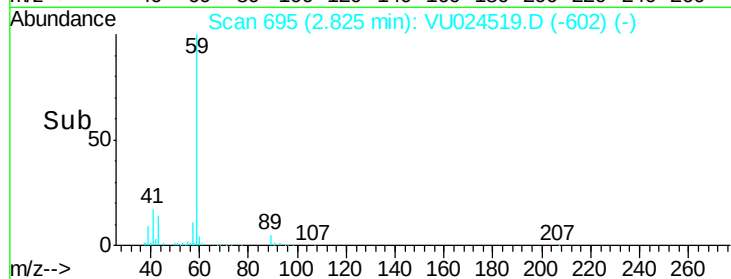
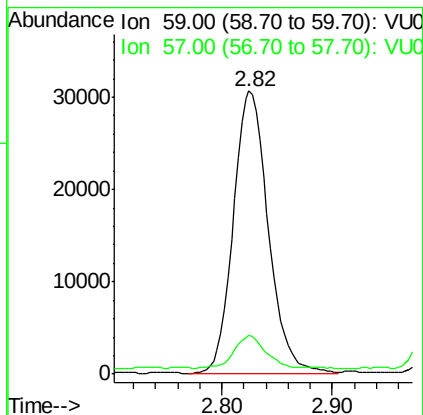
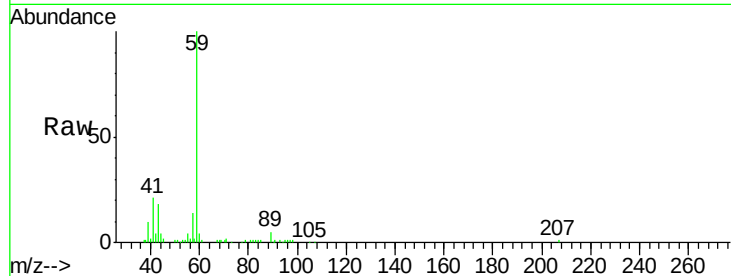
Tert butyl alcohol
 Concen: 90.039 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
 APPROVED

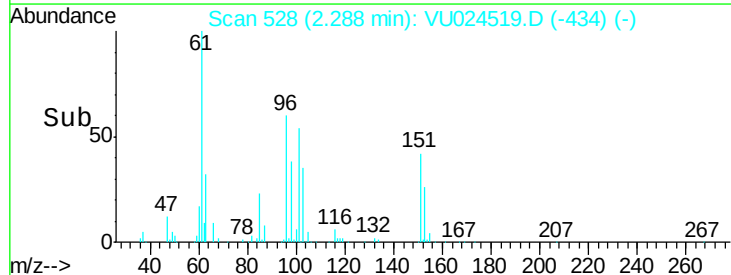
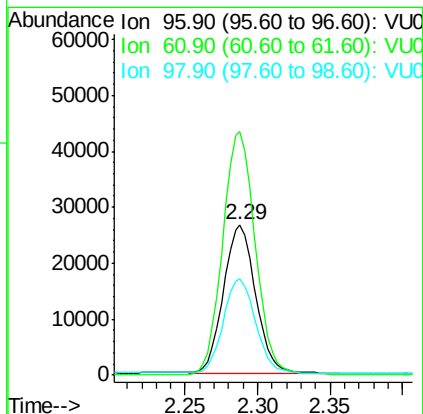
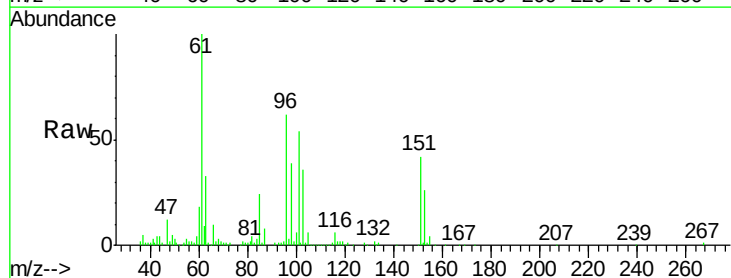
MMDadoda
 6/14/2018 9:45:02 AM

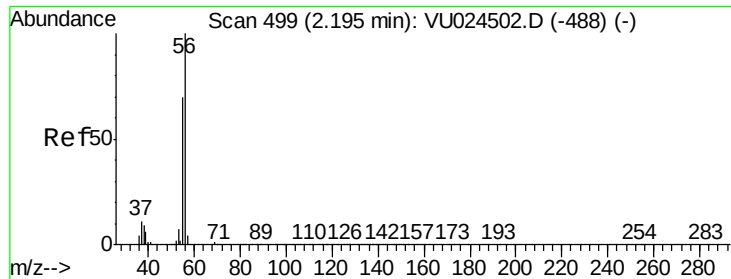


#12

1,1-Dichloroethene
 Concen: 19.420 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	141.7	212.5
98	63.7	51.6	77.4





#13

Acrolein

Concen: 94.163 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 56 Resp: 36695

Ion Ratio Lower Upper

56 100

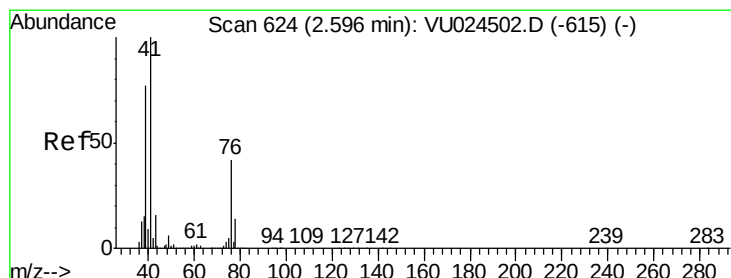
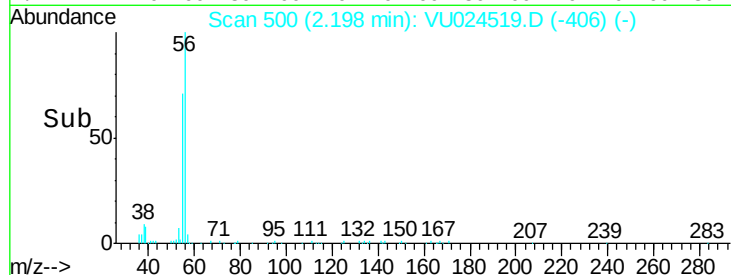
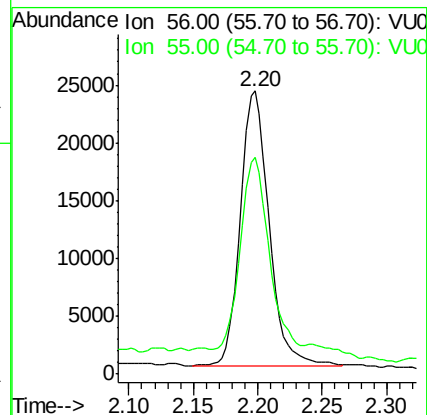
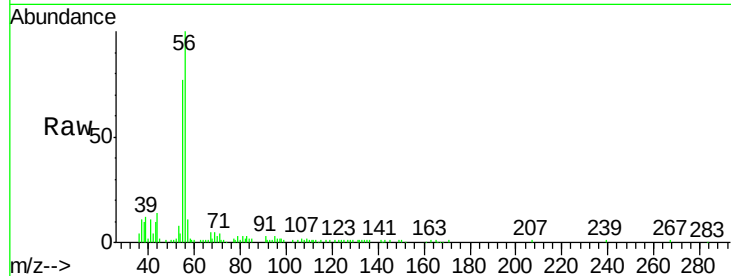
55 68.6 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

6/14/2018 9:45:02 AM



#14

Allyl chloride

Concen: 18.156 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

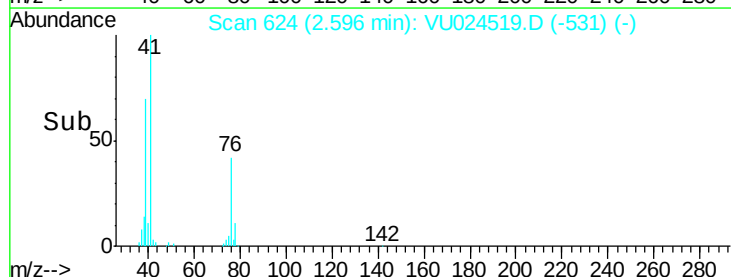
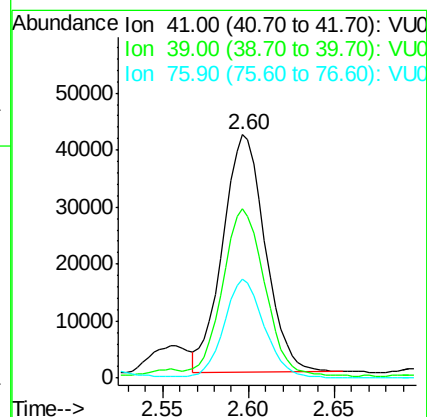
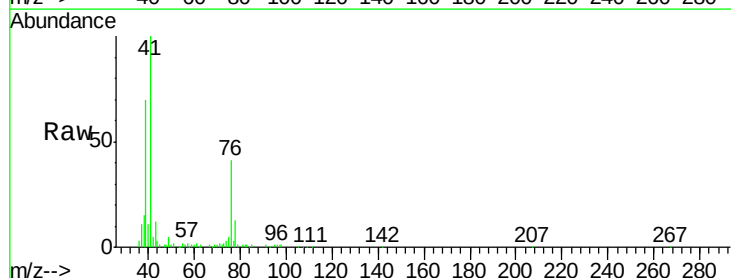
Tgt Ion: 41 Resp: 71744

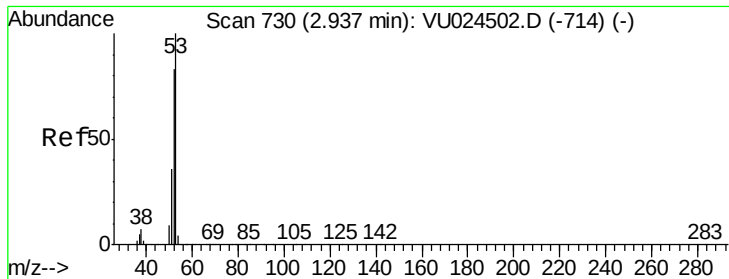
Ion Ratio Lower Upper

41 100

39 70.1 61.6 92.4

76 39.7 29.7 44.5





#15

Acrylonitrile

Concen: 102.414 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

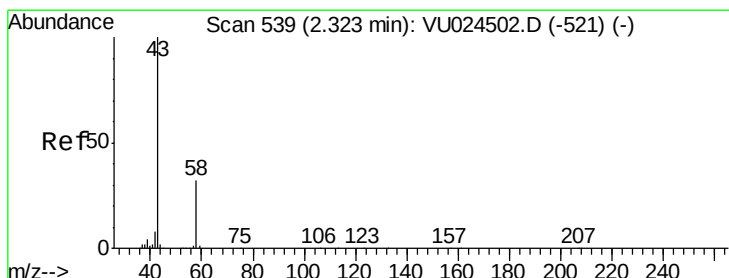
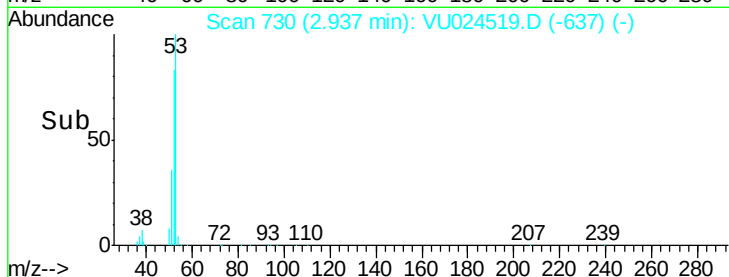
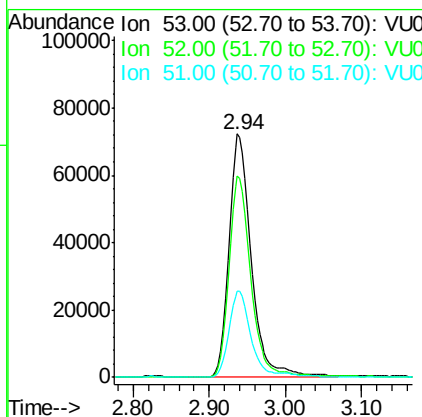
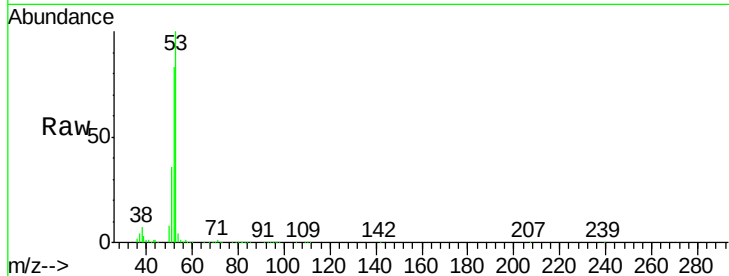
ClientSampleId :

VU0613WBSD01

Tot Ion:	53	Resp:	147870
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.1	100.7
51	34.5	28.4	42.6

Manual Integrations
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MMDadoda
6/14/2018 9:45:02 AM



#16

Acetone

Concen: 79.499 ug/l

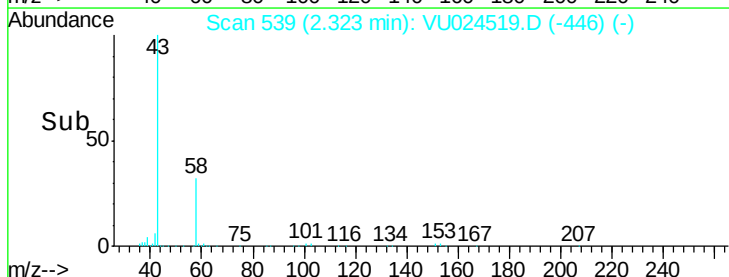
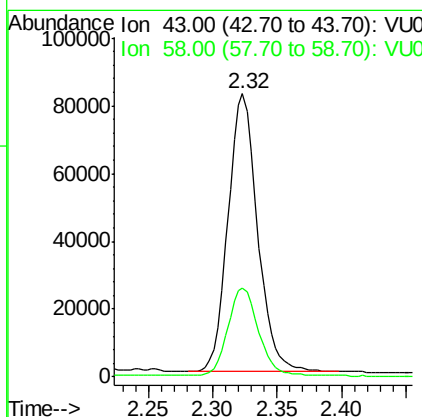
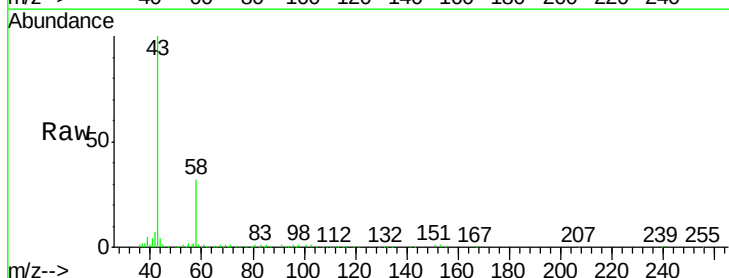
RT: 2.32 min Scan# 539

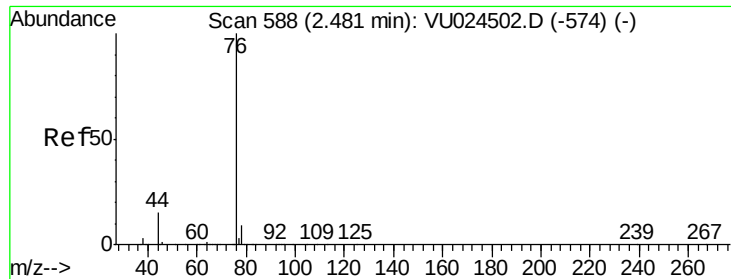
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	43	Resp:	130336
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.4	36.6





#17

Carbon Disulfide

Concen: 19.334 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 76 Resp: 131754

Ion Ratio Lower Upper

76 100

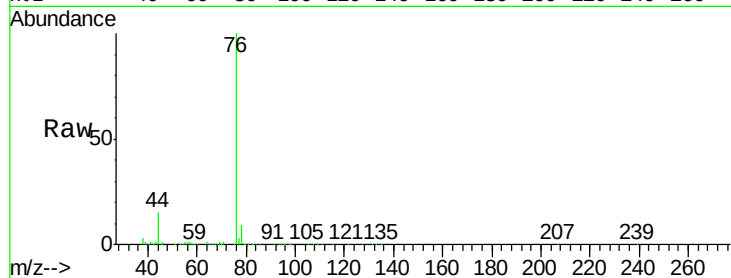
78 8.9 7.1 10.7

Manual Integrations

APPROVED

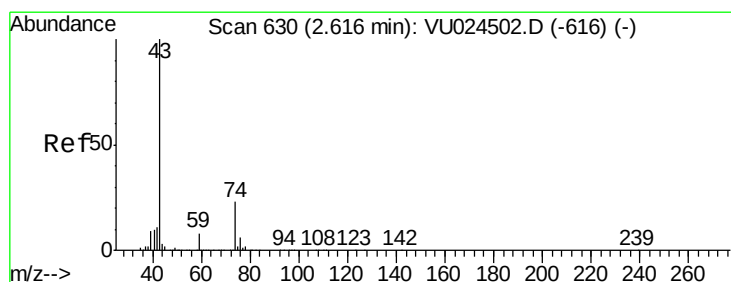
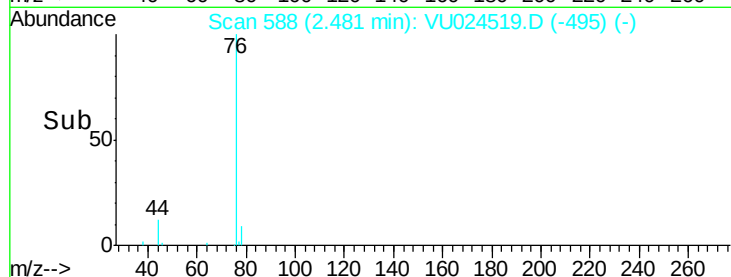
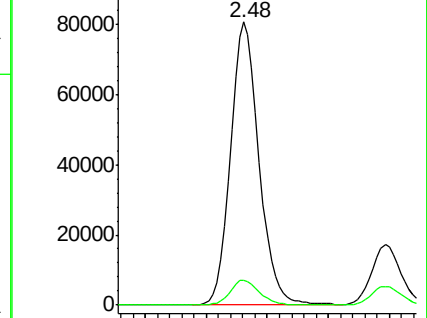
MMDadoda

6/14/2018 9:45:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.431 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU024519.D

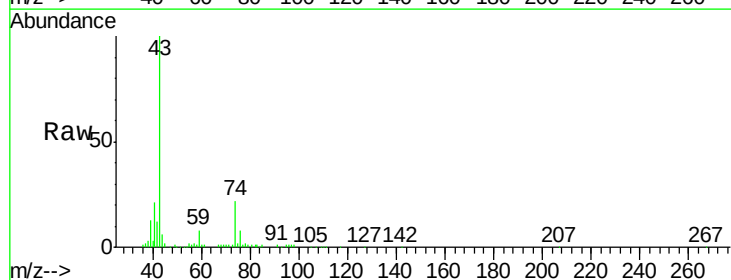
Acq: 13 Jun 2018 19:41

Tgt Ion: 43 Resp: 68293

Ion Ratio Lower Upper

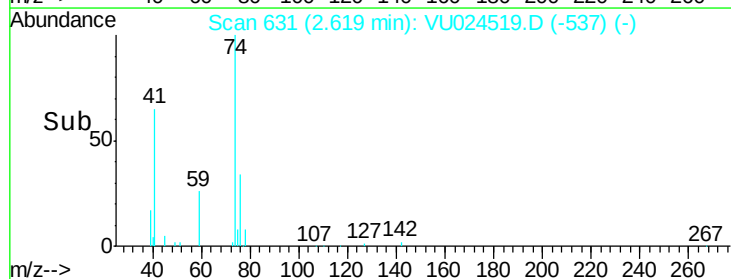
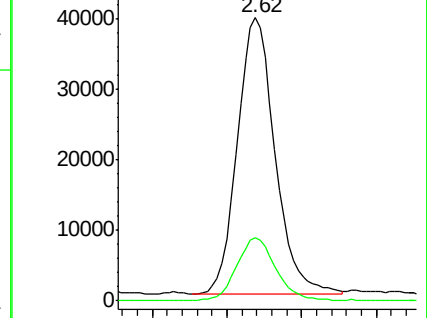
43 100

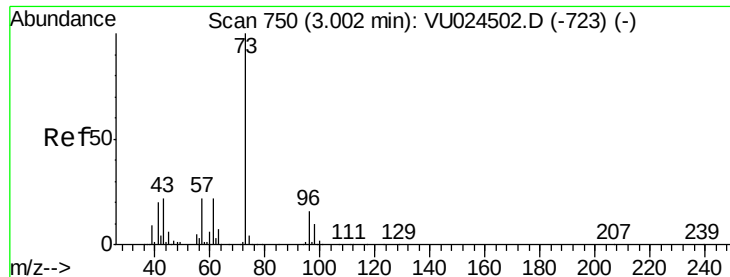
74 23.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





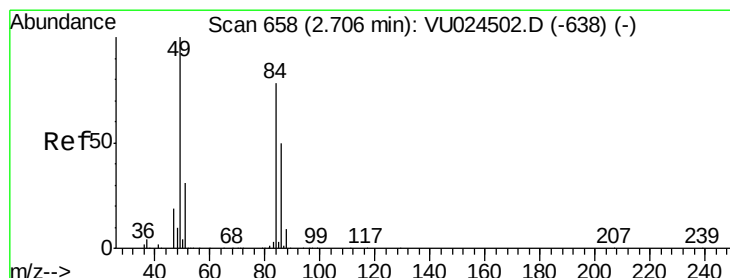
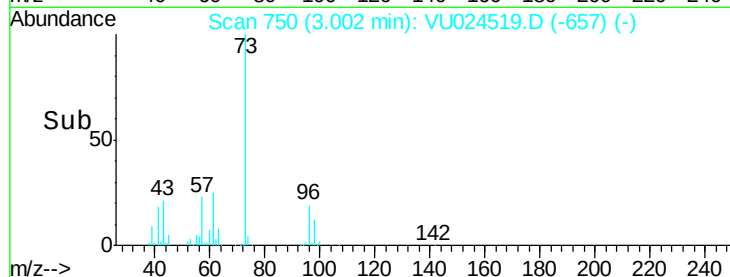
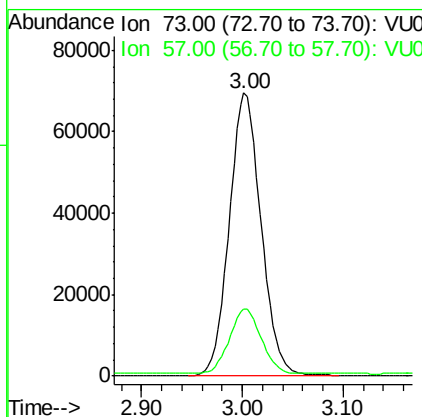
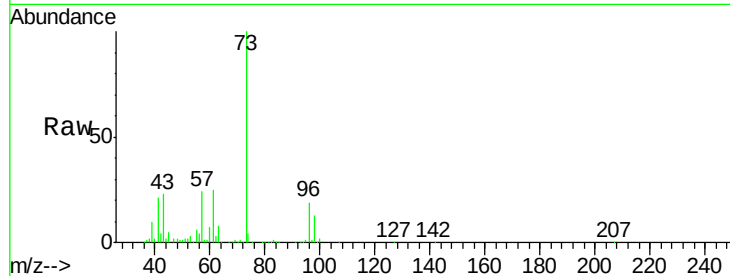
#19
Methyl tert-butyl Ether
Concen: 18.962 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.8	28.2

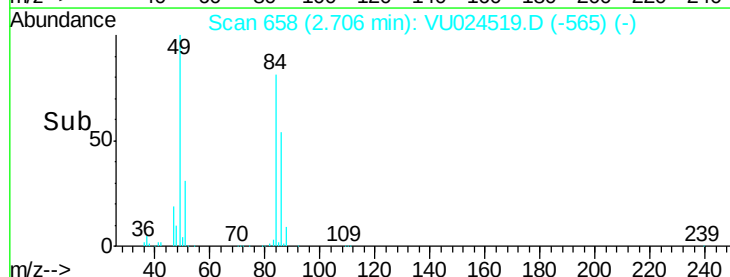
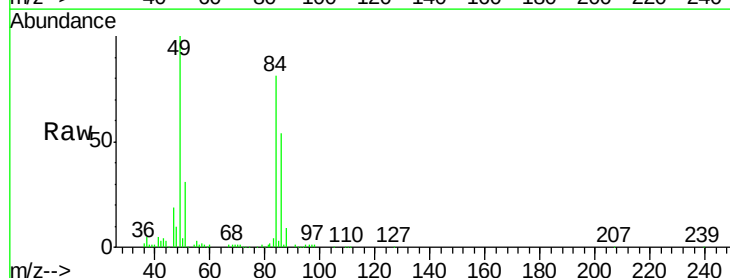
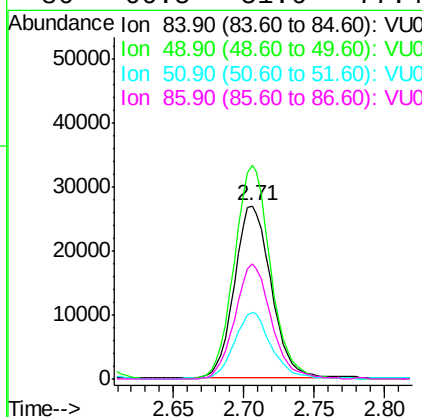
Manual Integrations
APPROVED

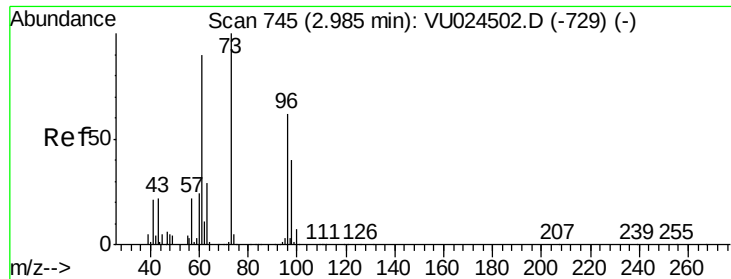
MMDadoda
6/14/2018 9:45:02 AM



#20
Methylene Chloride
Concen: 19.182 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	103.8	155.8
51	38.5	32.0	48.0
86	66.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.558 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

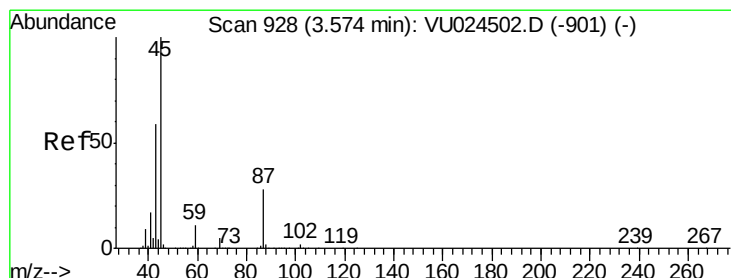
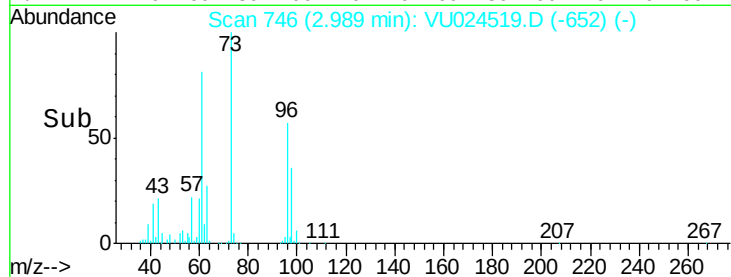
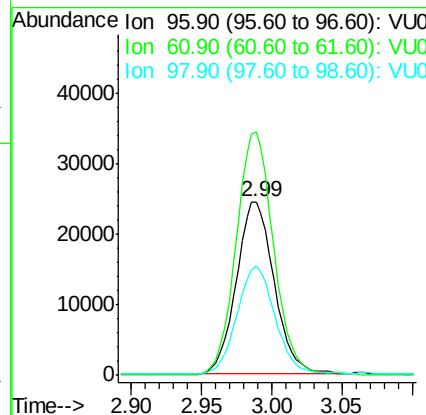
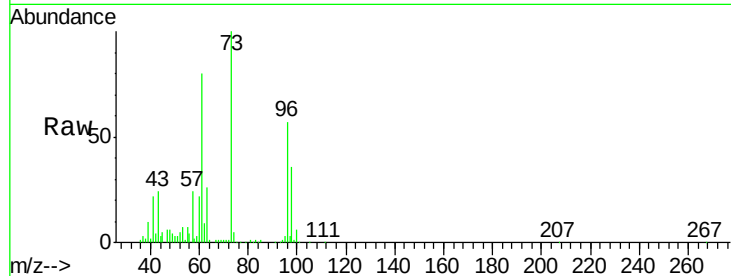
ClientSampleId :

VU0613WBSD01

Tot Ion:	96	Resp:	45845
Ion	Ratio	Lower	Upper
96	100		
61	141.6	119.4	179.0
98	62.4	51.1	76.7

Manual Integrations
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MMDadoda
6/14/2018 9:45:02 AM



#22

Diisopropyl ether

Concen: 19.407 ug/l

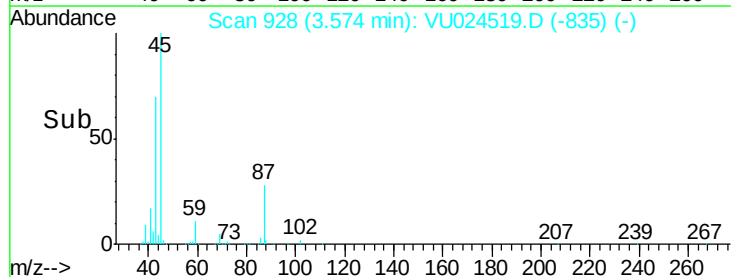
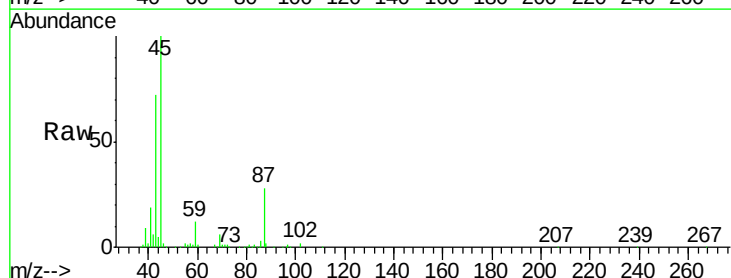
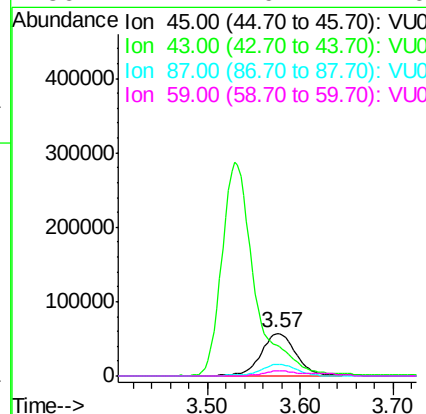
RT: 3.57 min Scan# 928

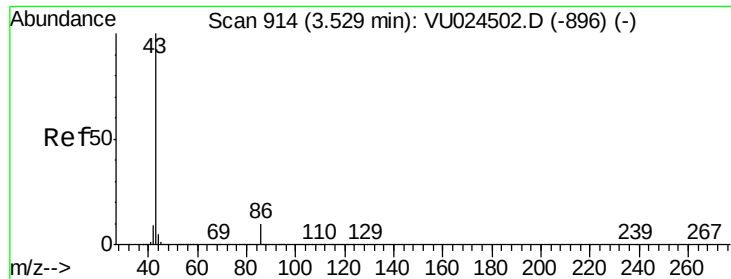
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	45	Resp:	152024
Ion	Ratio	Lower	Upper
45	100		
43	70.3	45.8	68.6#
87	27.5	20.6	31.0
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 100.614 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 43 Resp: 706008

Ion Ratio Lower Upper

43 100

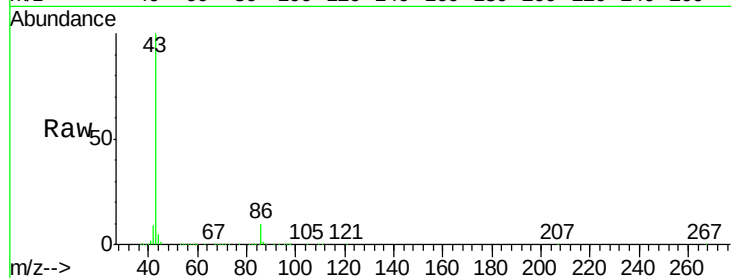
86 10.4 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

6/14/2018 9:45:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

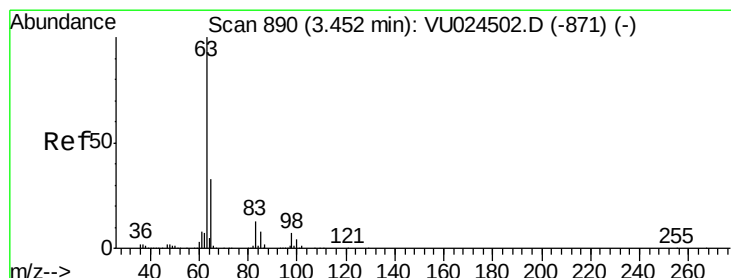
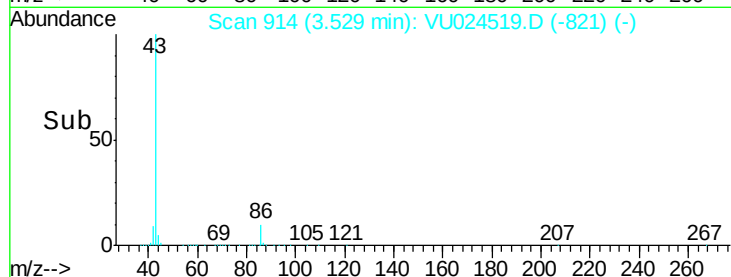
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.322 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

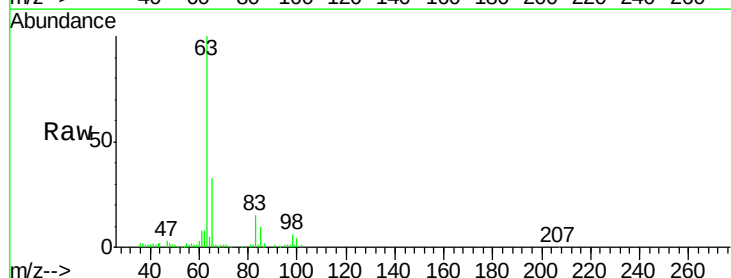
Tgt Ion: 63 Resp: 87068

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 4.4 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

3.45

50000

40000

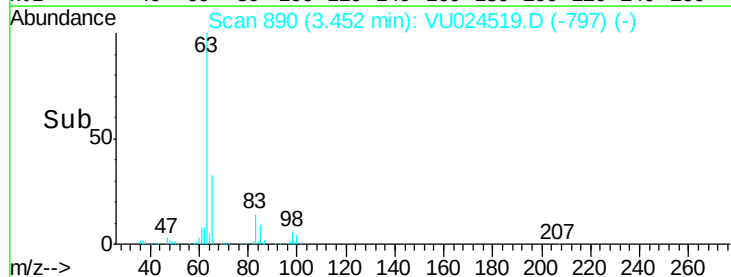
30000

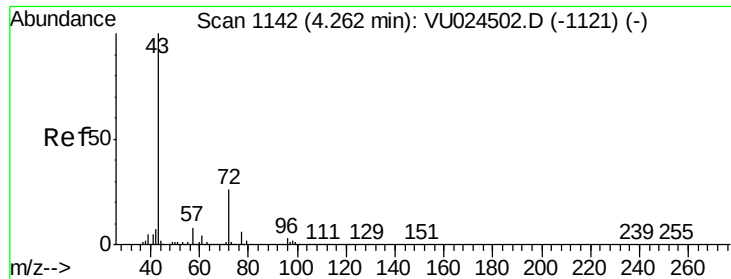
20000

10000

0

Time-->





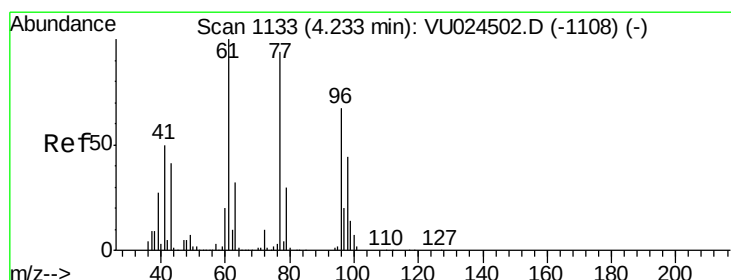
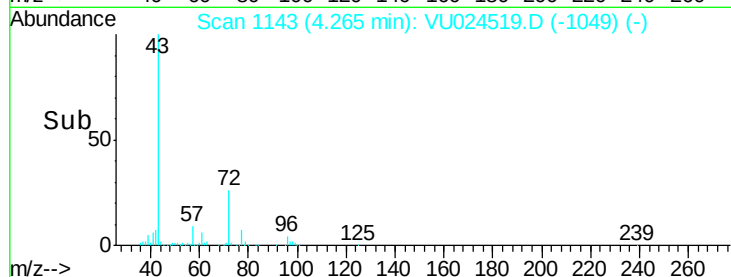
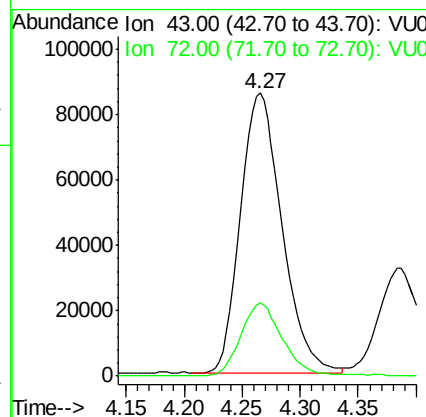
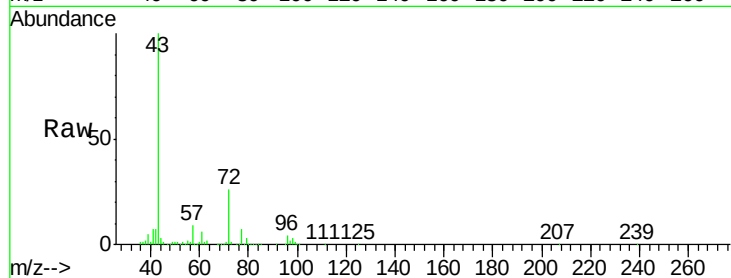
#25
2-Butanone
Concen: 96.496 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.1	19.6	29.4

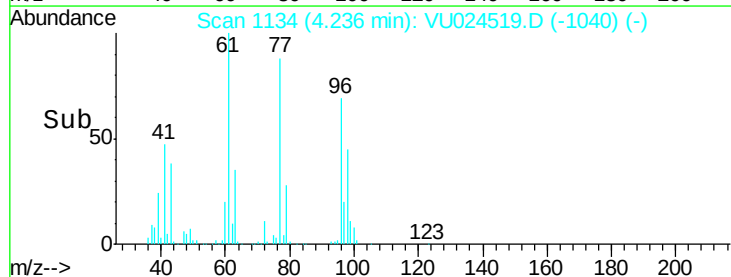
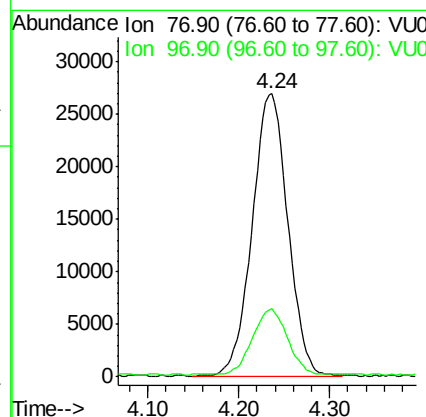
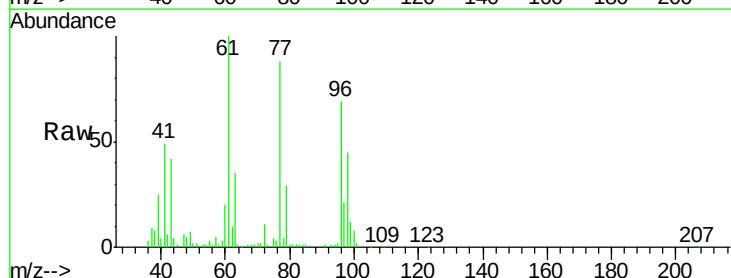
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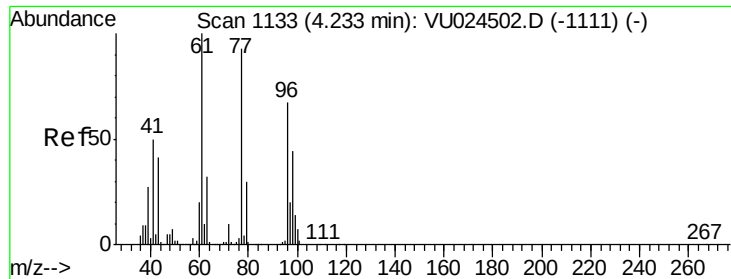
MMDadoda
6/14/2018 9:45:02 AM



#26
2,2-Dichloropropane
Concen: 17.258 ug/l
RT: 4.24 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 19.988 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

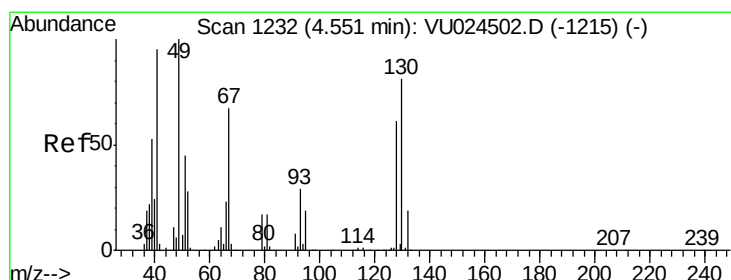
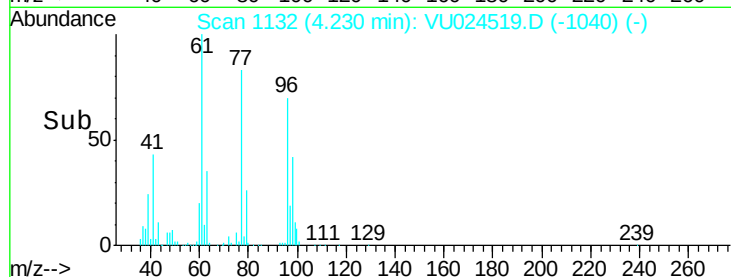
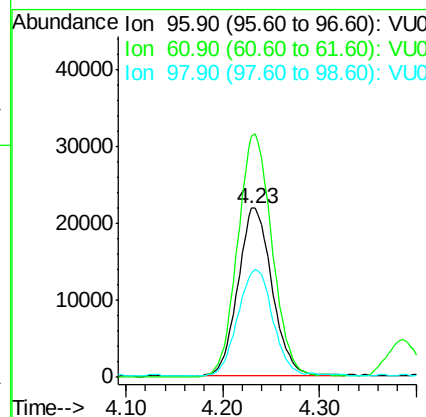
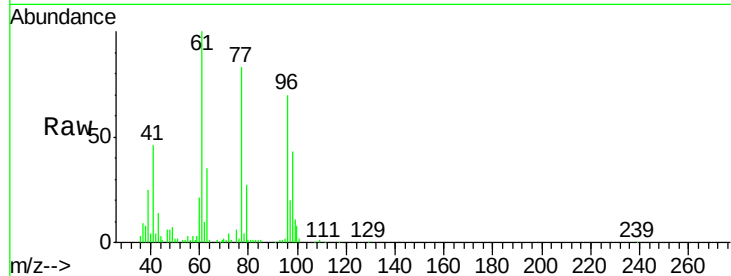
ClientSampleId :

VU0613WBSD01

Tot Ion:	96	Resp:	53864
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	306.6
98	63.8	0.0	128.8

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#28

Bromochloromethane

Concen: 22.235 ug/l

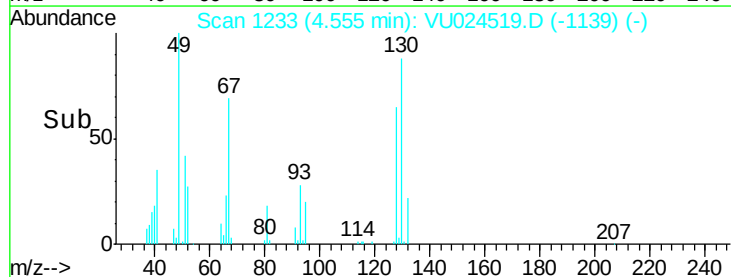
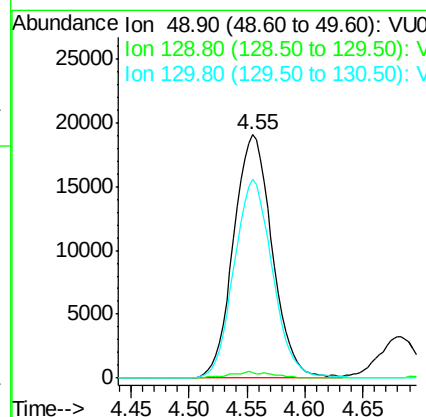
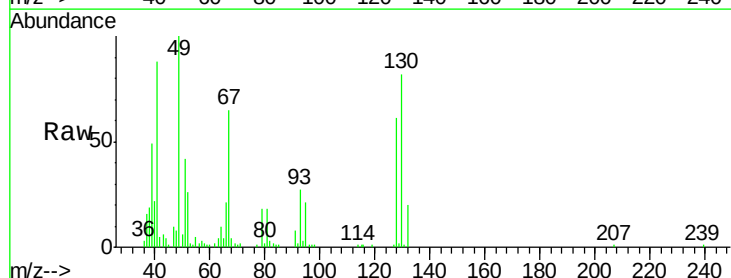
RT: 4.55 min Scan# 1233

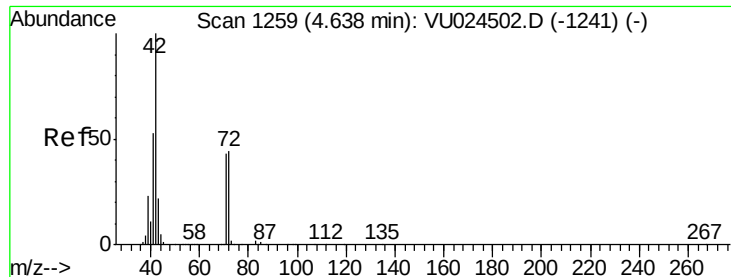
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	49	Resp:	44134
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.8
130	81.3	57.8	86.6





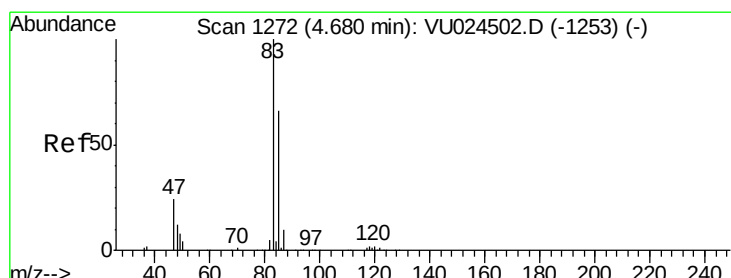
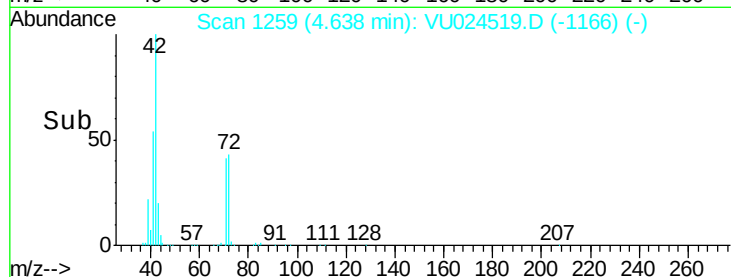
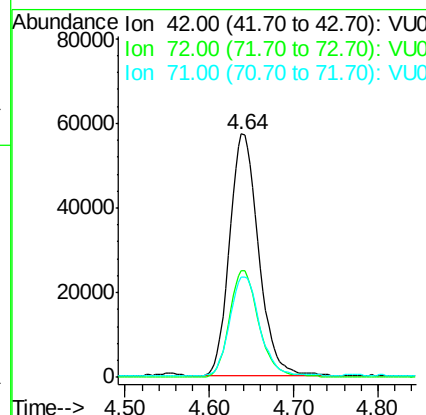
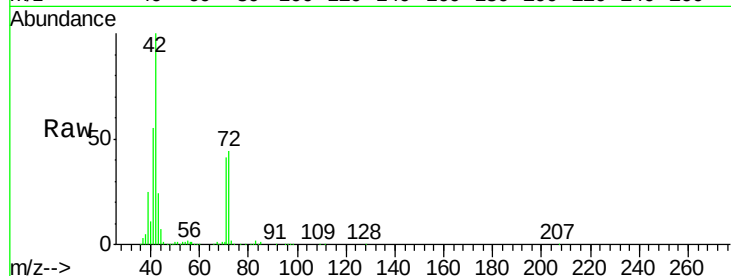
#29
Tetrahydrofuran
Concen: 100.796 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.5	51.7
71	41.5	32.2	48.4

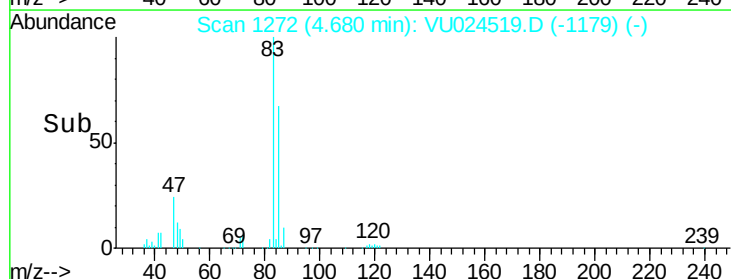
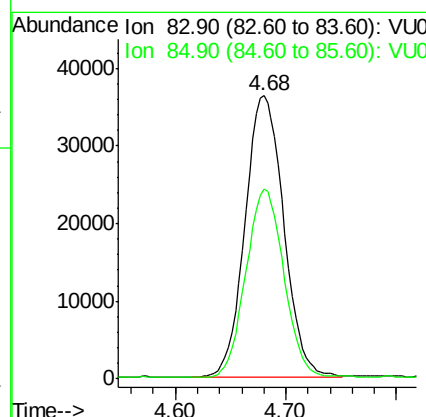
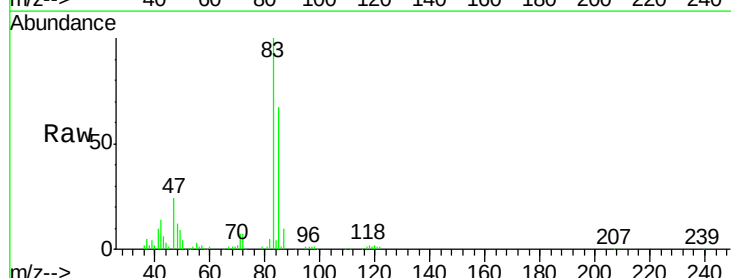
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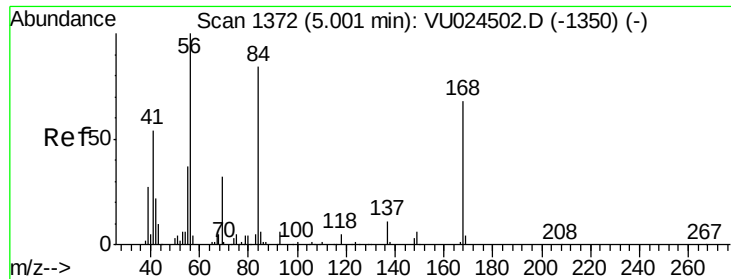
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#30
Chloroform
Concen: 19.260 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6





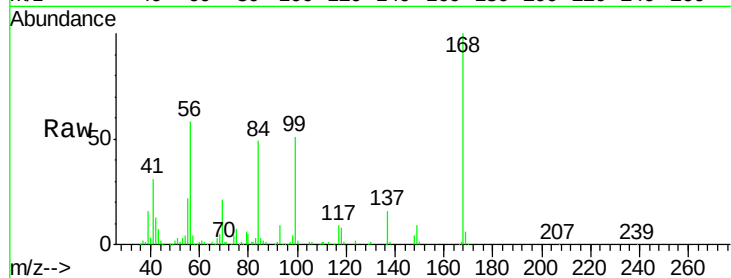
#31
Cyclohexane
Concen: 19.218 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	24.8	37.2
84	84.3	65.2	97.8

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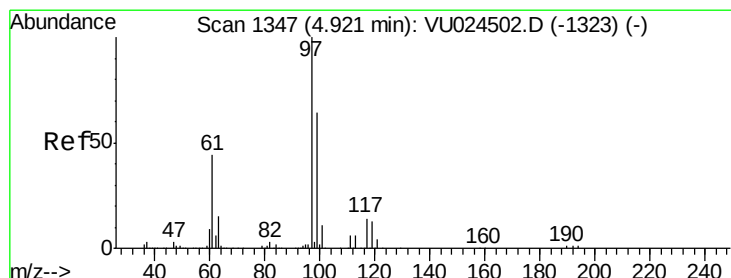
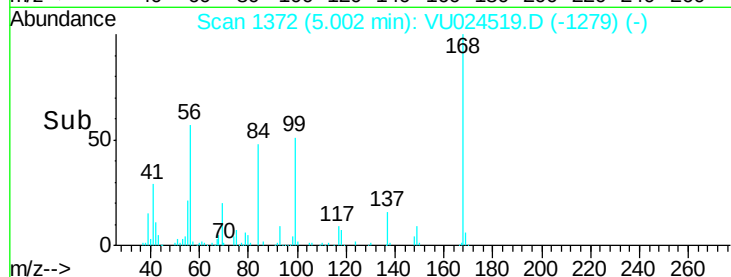
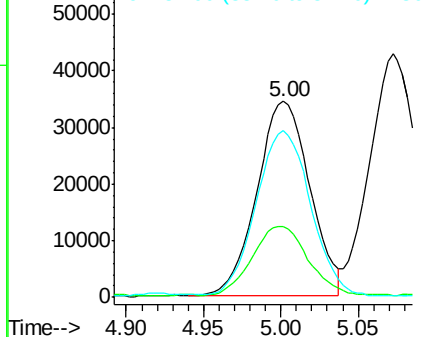


Abundance

Ion 56.00 (55.70 to 56.70): VU0

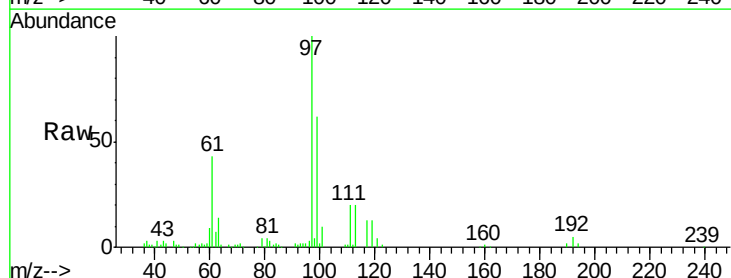
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 19.240 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	43.5	39.4	59.0

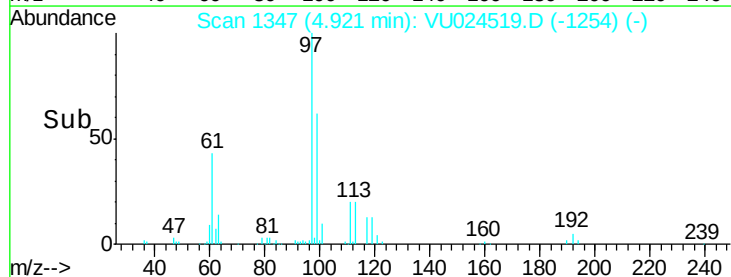
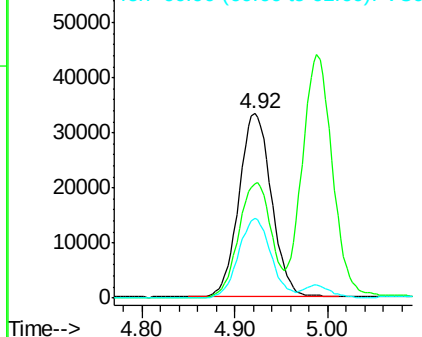


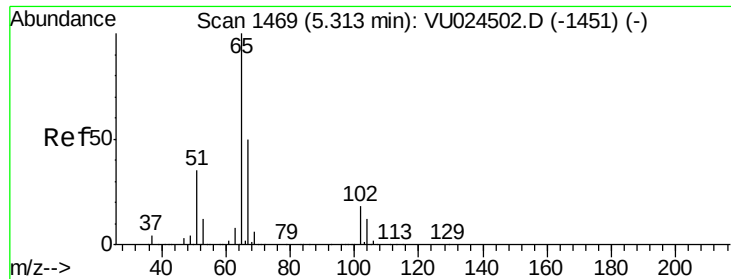
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





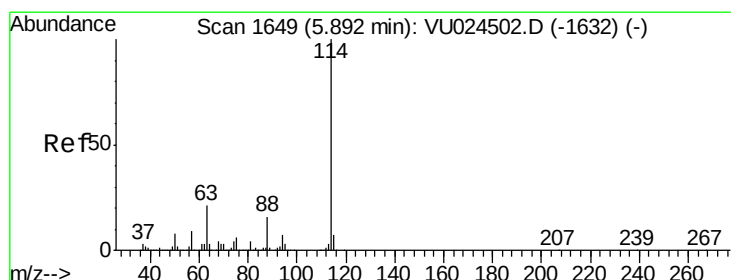
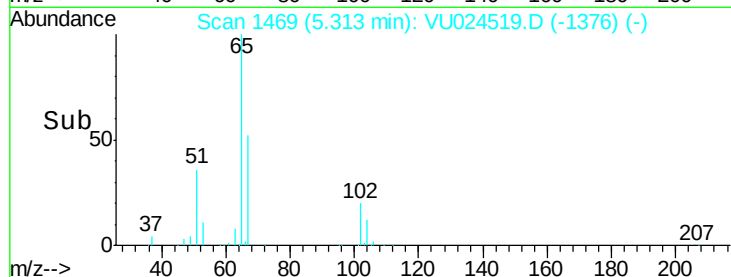
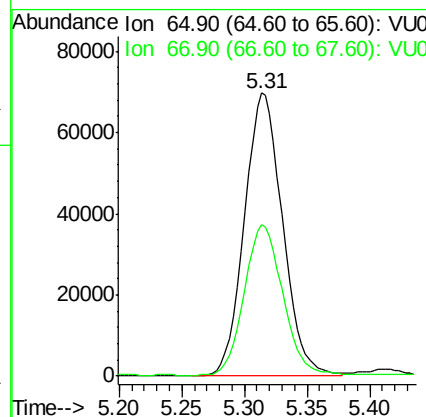
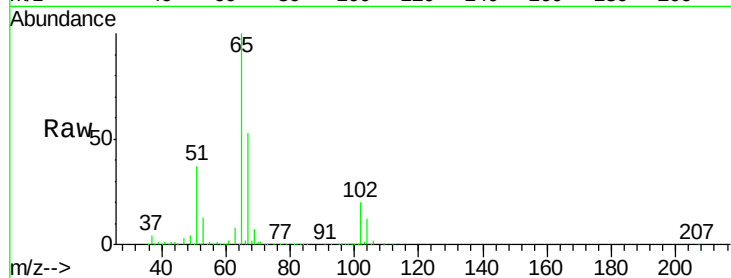
#33
 1,2-Dichloroethane-d4
 Concen: 48.422 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.0

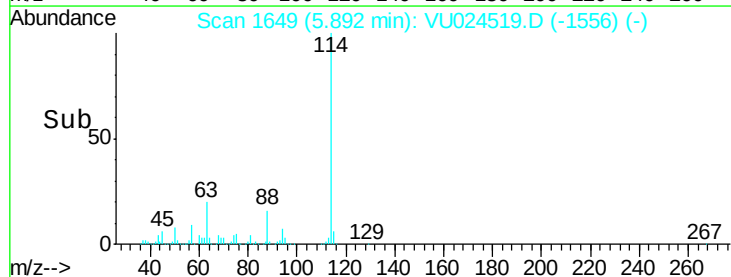
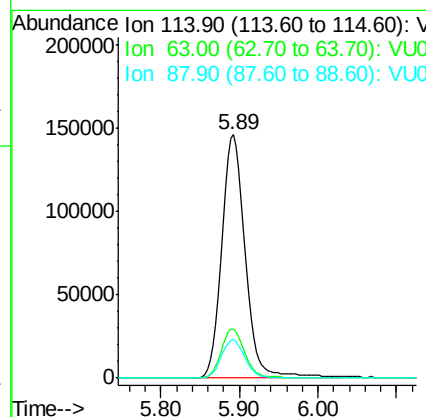
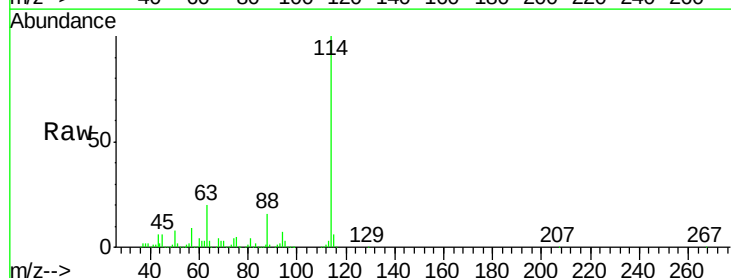
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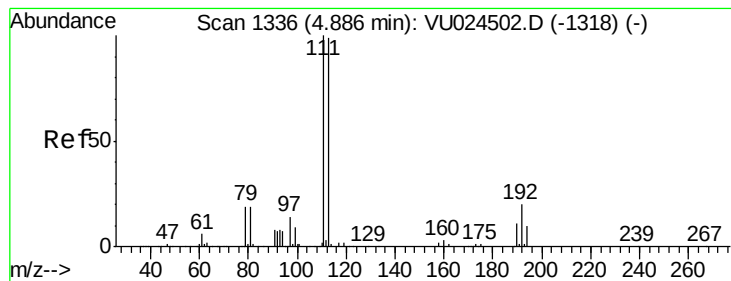
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	45.4
88	15.9	0.0	31.0





#35

Dibromofluoromethane

Concen: 49.255 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

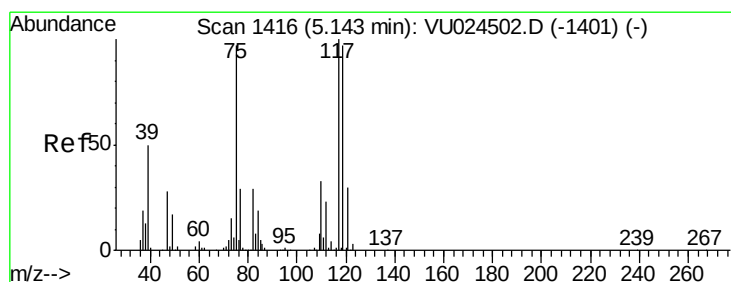
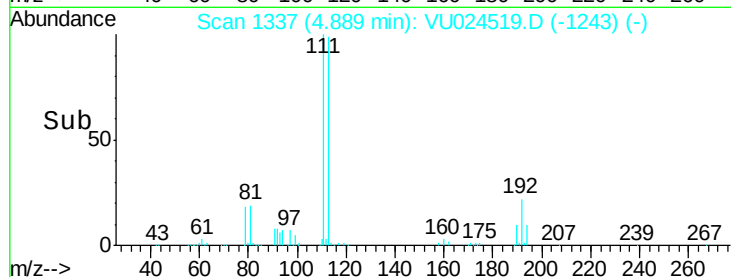
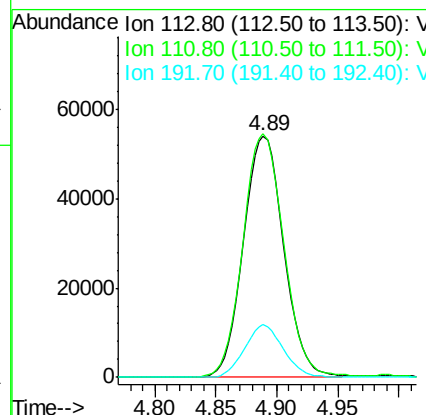
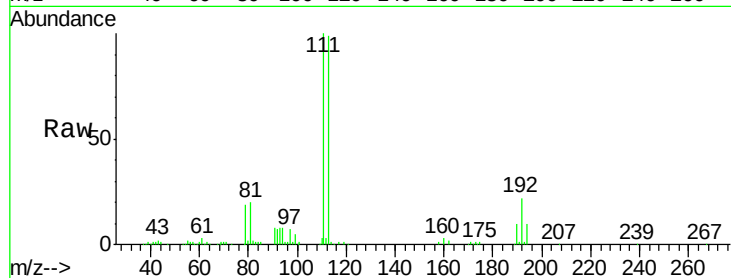
ClientSampleId :

VU0613WBSD01

Tot Ion:	113	Resp:	123483
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.2	123.4
192	20.9	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 18.175 ug/l

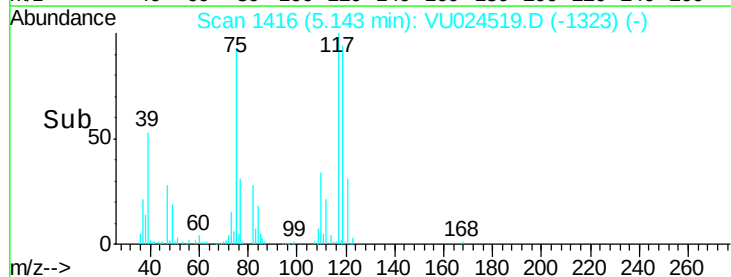
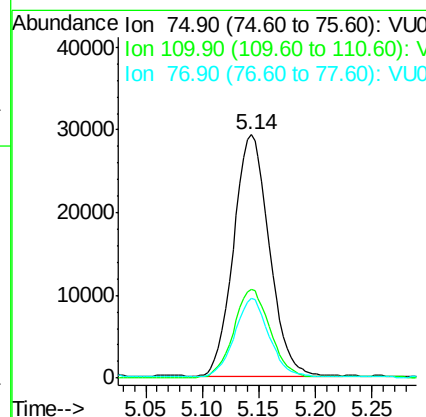
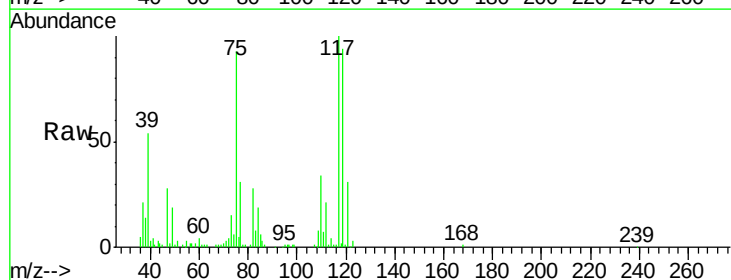
RT: 5.14 min Scan# 1416

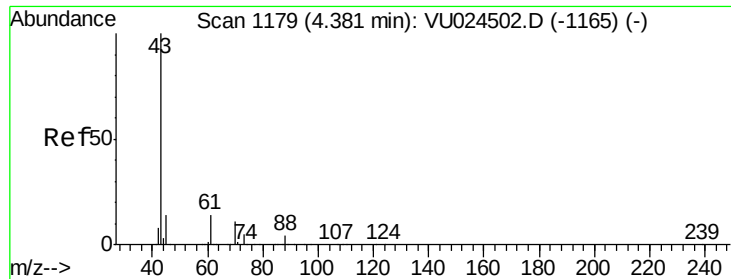
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	75	Resp:	64516
Ion Ratio	Lower	Upper	
75	100		
110	37.7	17.0	50.9
77	30.9	24.2	36.4





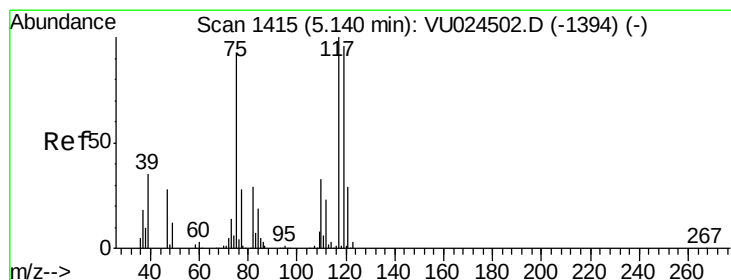
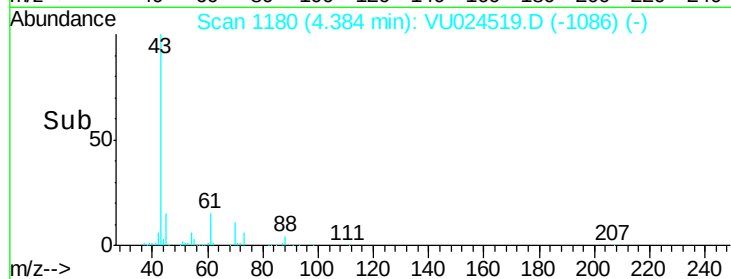
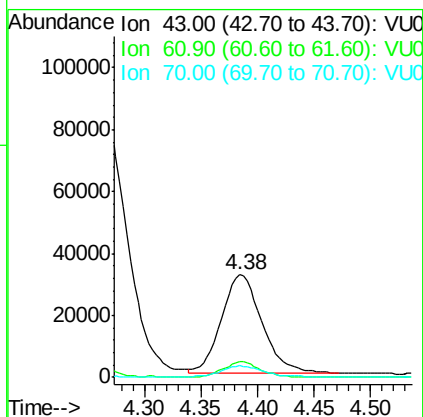
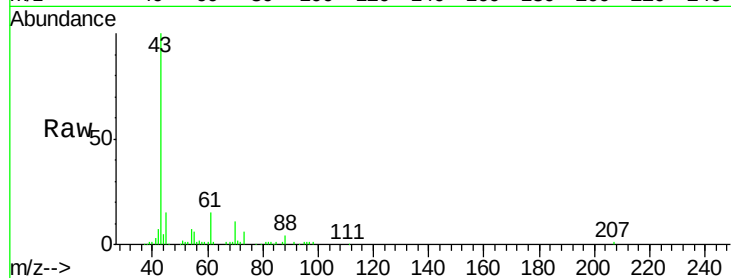
#37
Ethyl Acetate
Concen: 20.629 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.7	7.4	11.2

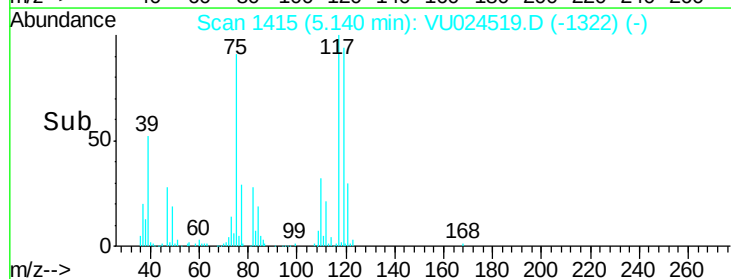
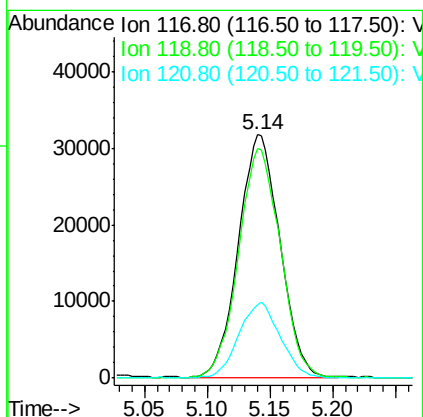
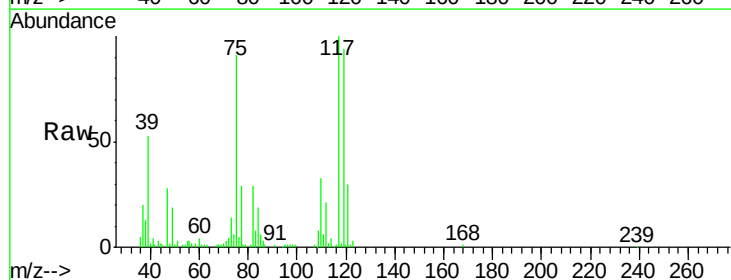
Manual Integrations
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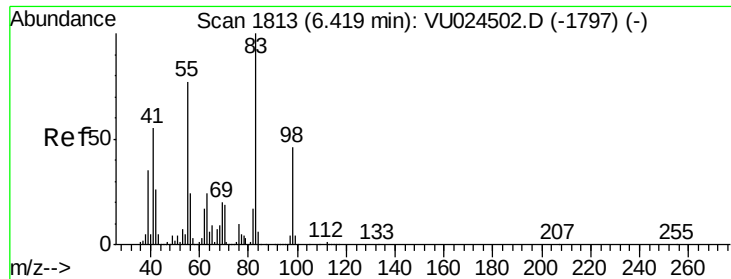
MMDadoda
6/14/2018 9:45:02 AM



#38
Carbon Tetrachloride
Concen: 18.579 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.1	114.1
121	30.2	23.7	35.5





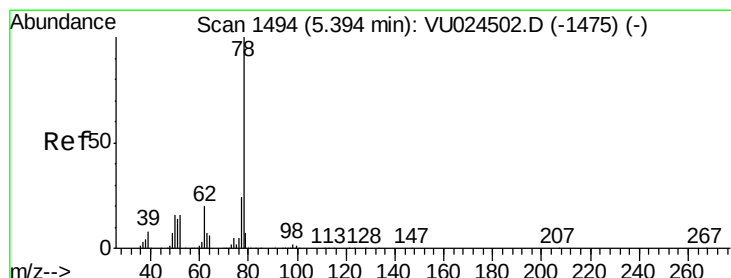
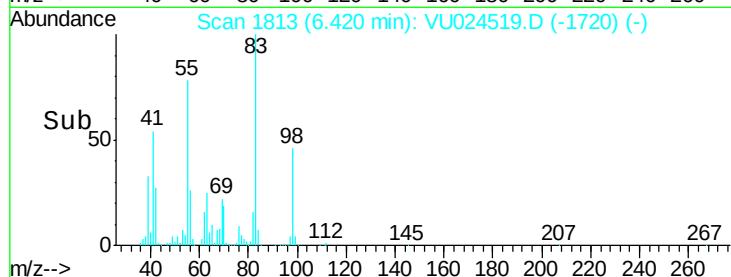
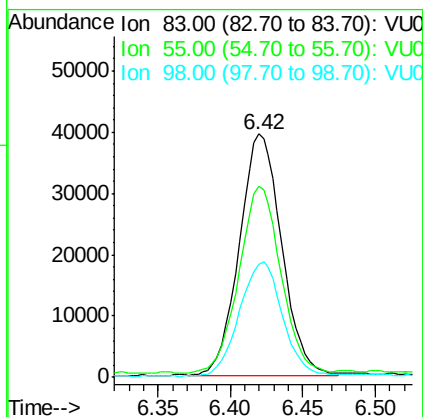
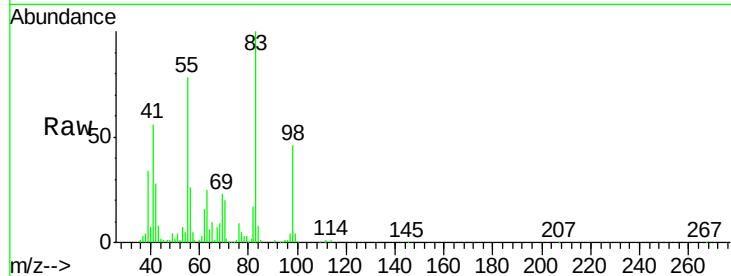
#39
Methylvlcyclohexane
Concen: 17.965 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	83	Resp	79577
Ion Ratio	Lower	Upper	
83	100		
55	77.2	65.8	98.6
98	46.2	36.7	55.1

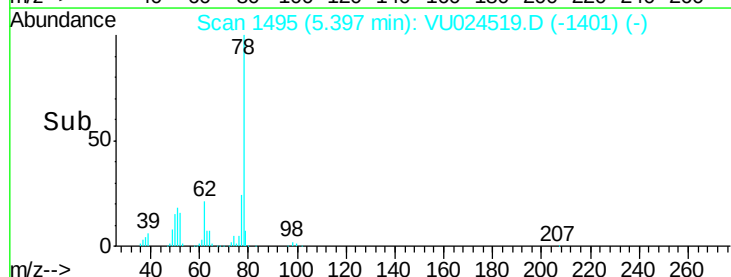
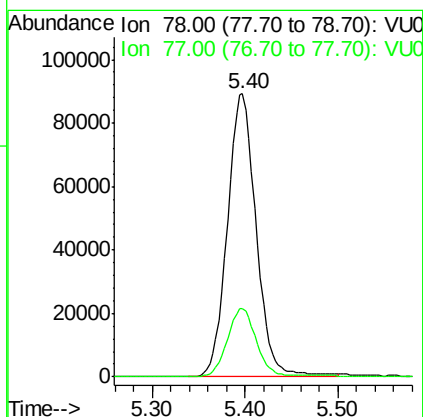
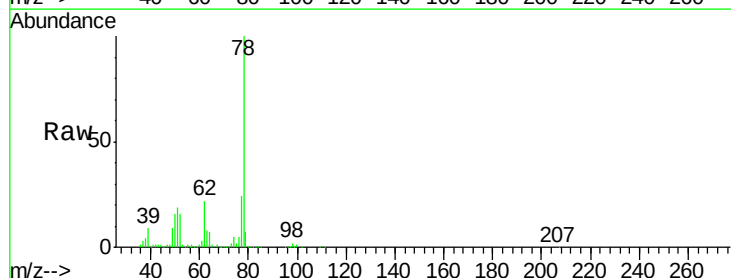
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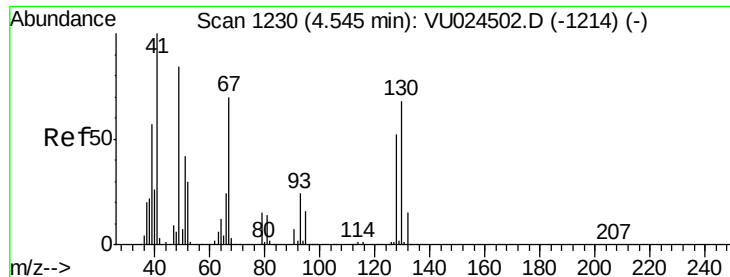
MMDadoda
6/14/2018 9:45:02 AM



#40
Benzene
Concen: 19.044 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	78	Resp	192621
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.2	28.8





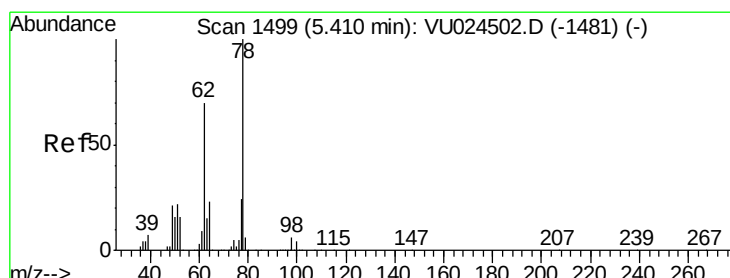
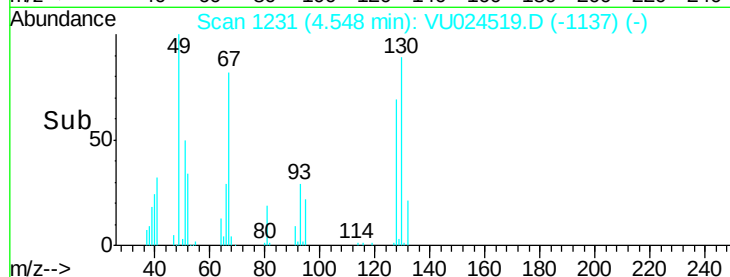
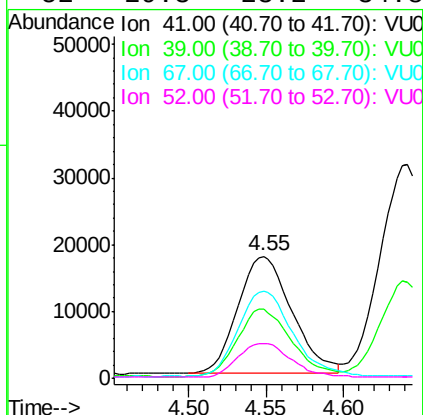
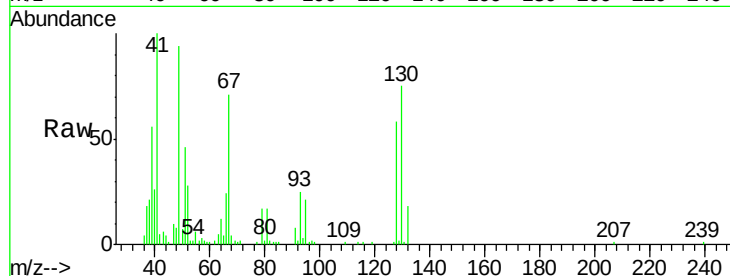
#41
Methacrylonitrile
Concen: 20.389 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.7	43.8	65.6	
67	73.6	56.3	84.5	
52	29.3	23.2	34.8	

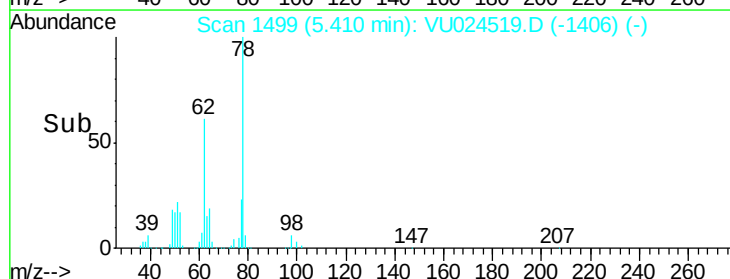
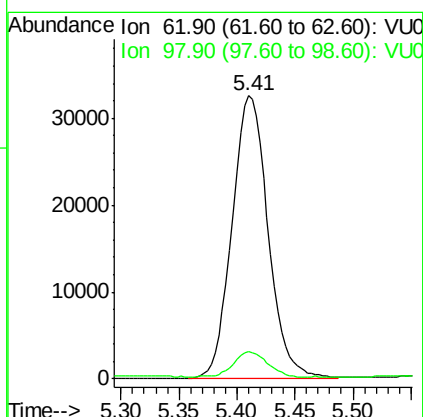
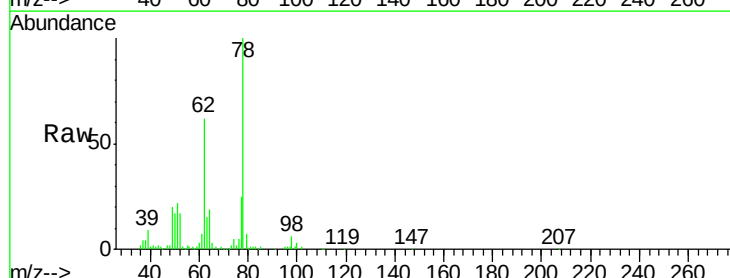
Manual Integrations
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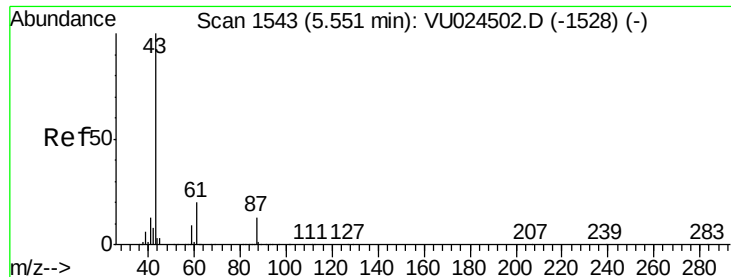
MMDadoda
6/14/2018 9:45:02 AM



#42
1,2-Dichloroethane
Concen: 18.318 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

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





#43

Isopropyl Acetate

Concen: 19.479 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

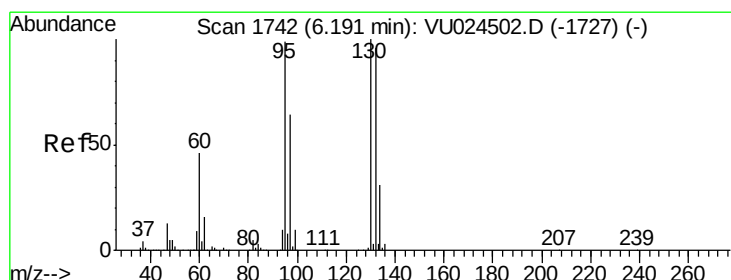
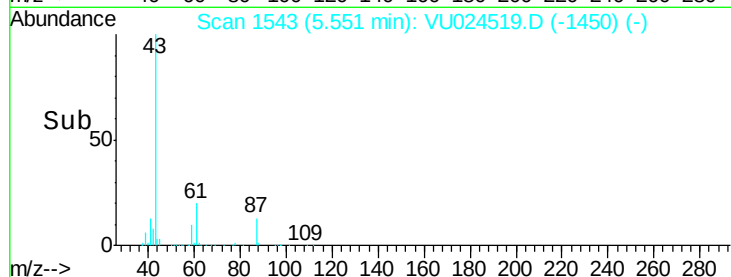
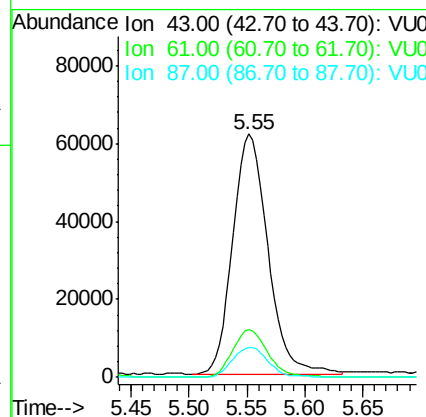
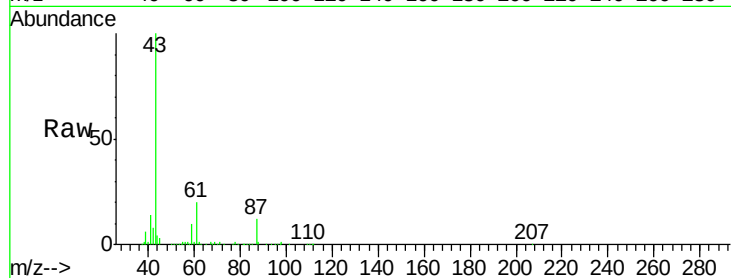
ClientSampleId :

VU0613WBSD01

Tot Ion:	43	Resp:	130264
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	12.8	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.579 ug/l

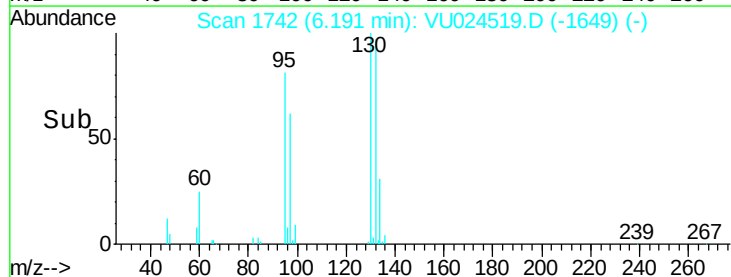
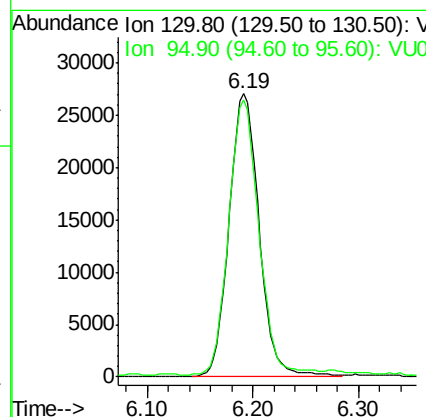
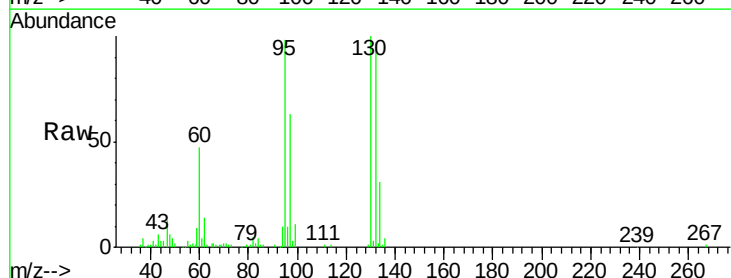
RT: 6.19 min Scan# 1742

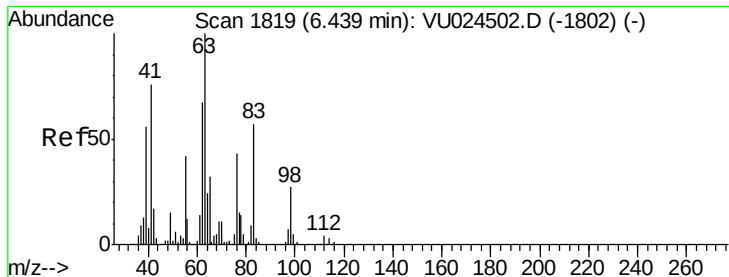
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	130	Resp:	53482
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	202.4





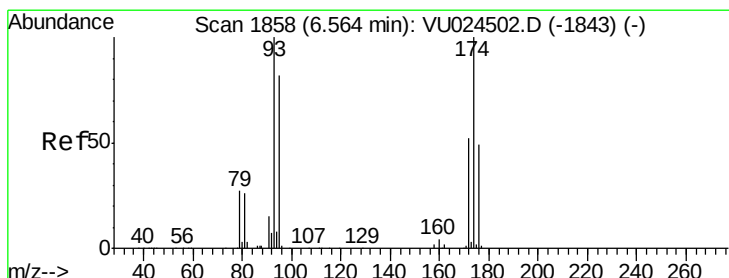
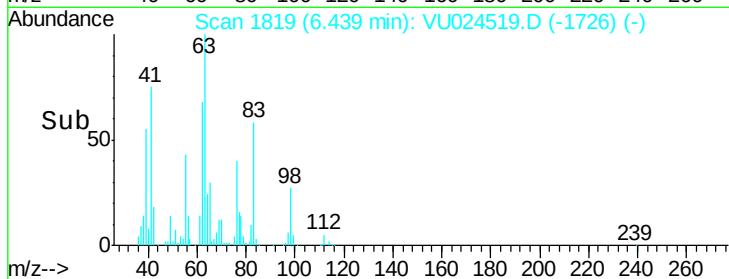
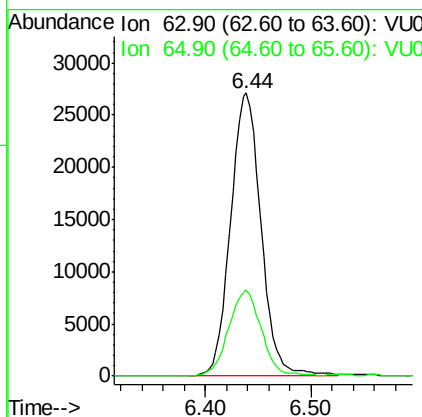
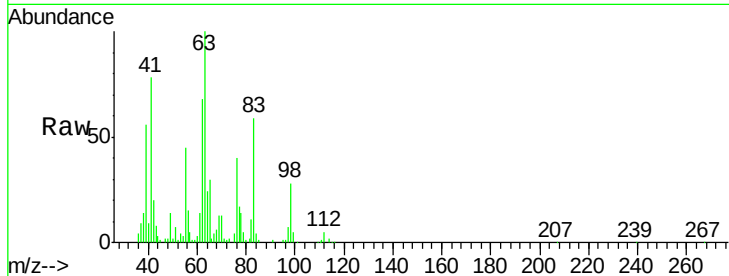
#45
 1,2-Dichloropropane
 Concen: 20.156 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

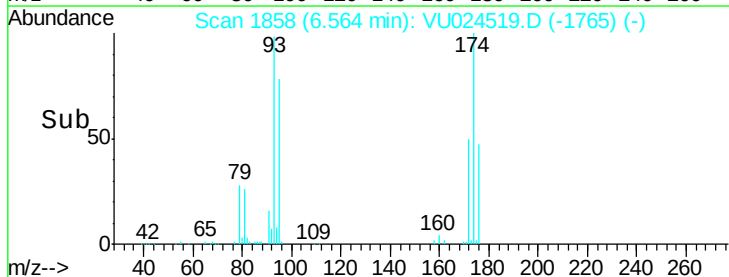
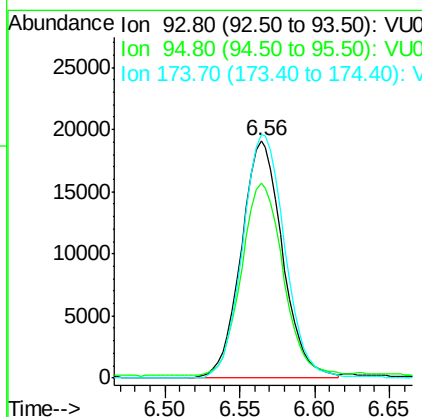
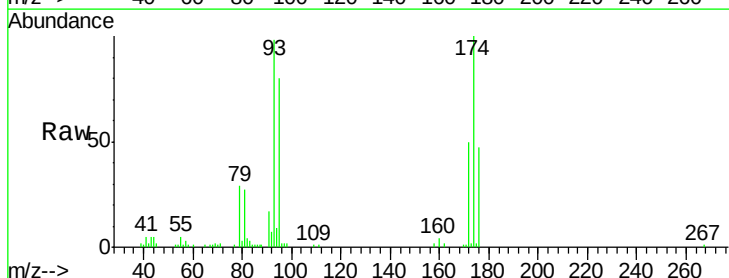
Manual Integrations
 APPROVED

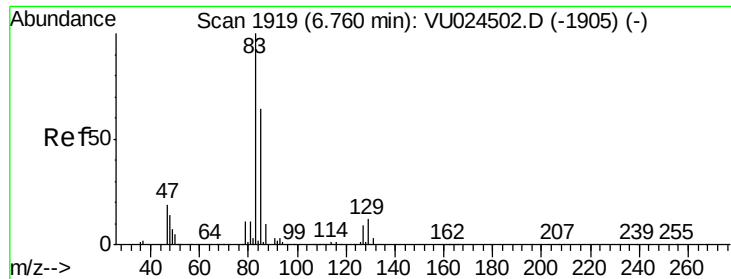
MMDadoda
 6/14/2018 9:45:02 AM



#46
 Dibromomethane
 Concen: 19.368 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.5	98.3
174	104.8	78.7	118.1





#47

Bromodichloromethane

Concen: 19.062 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

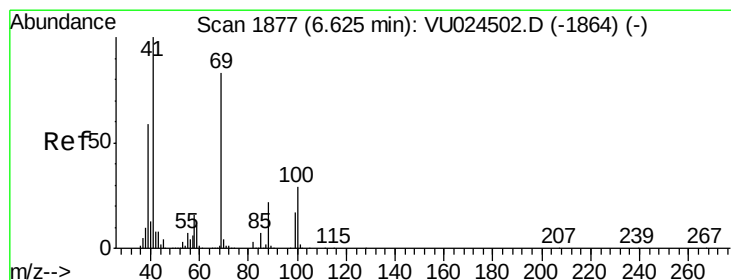
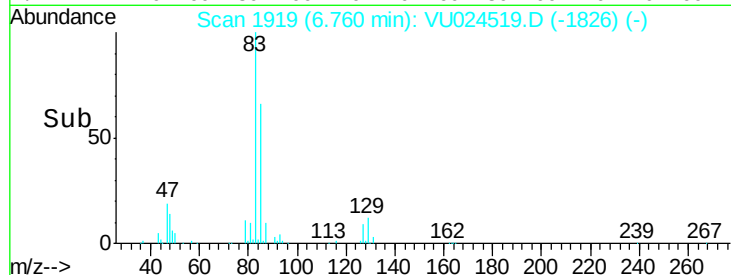
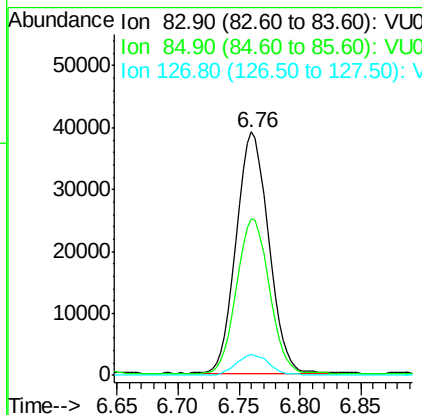
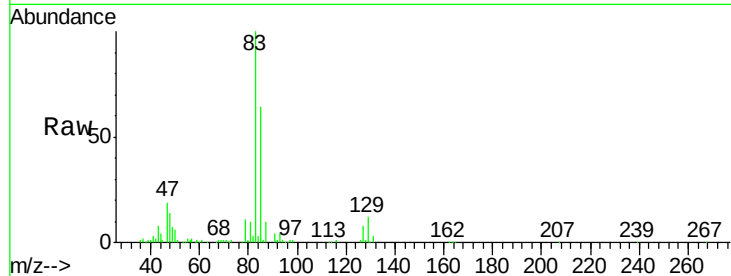
ClientSampleId :

VU0613WBSD01

Tot Ion:	83	Resp:	71954
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9
127	8.5	6.6	9.8

Manual Integrations
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MMDadoda
6/14/2018 9:45:02 AM



#48

Methyl methacrylate

Concen: 19.158 ug/l

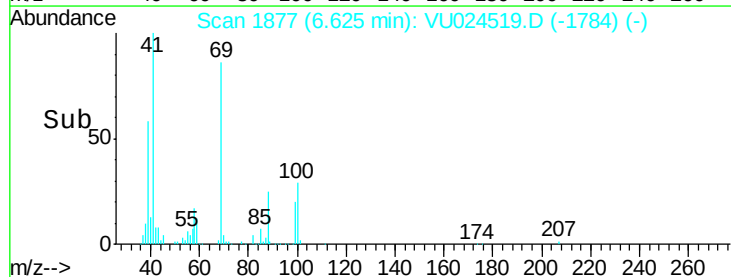
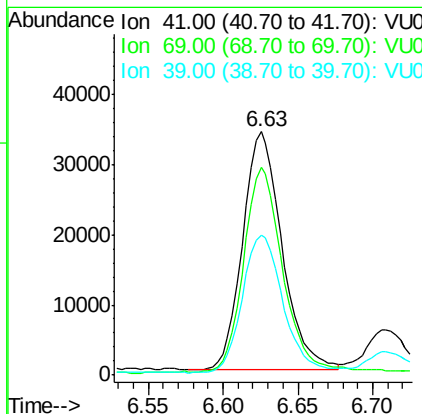
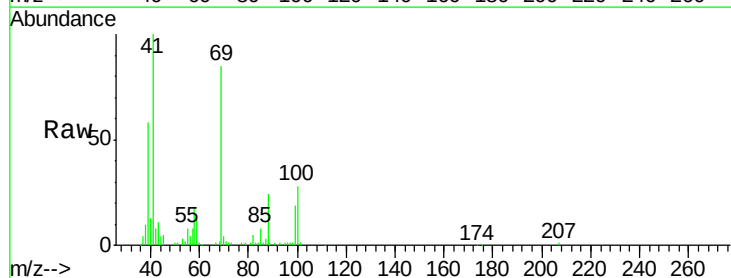
RT: 6.63 min Scan# 1877

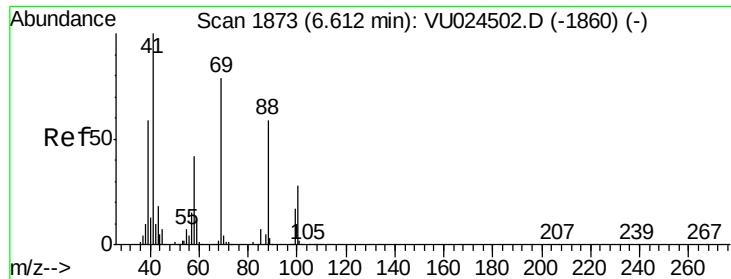
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	41	Resp:	62385
Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.3	100.9
39	59.5	46.5	69.7





#49

1,4-Dioxane

Concen: 348.869 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

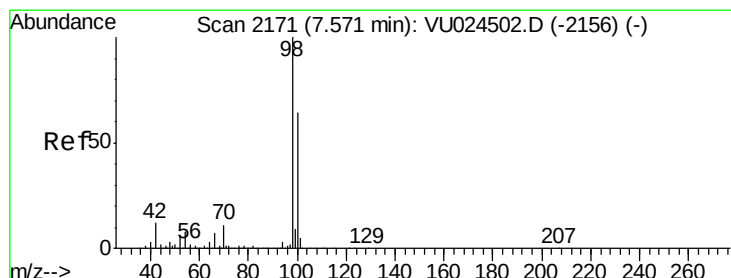
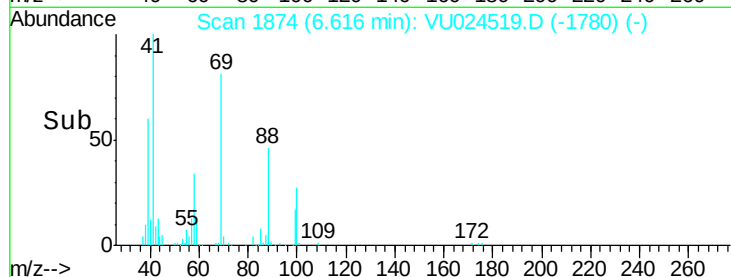
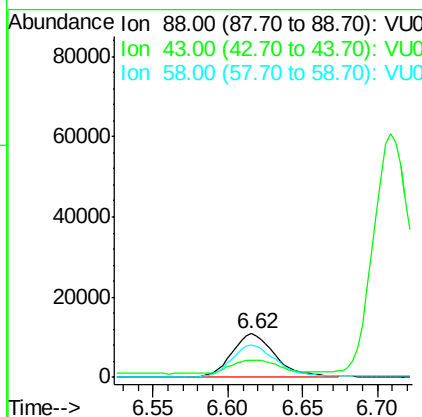
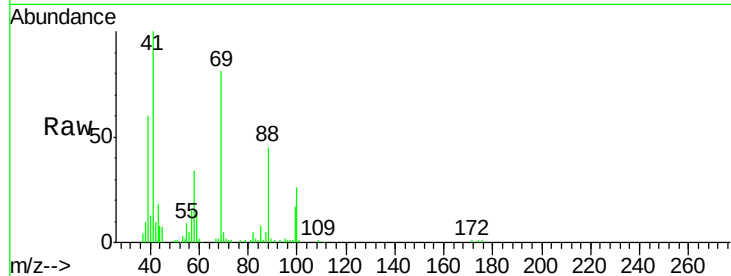
ClientSampleId :

VU0613WBSD01

Tot Ion:	88	Resp:	22217
Ion Ratio	Lower	Upper	
88	100		
43	30.9	28.6	42.8
58	72.2	58.2	87.4

Manual Integrations
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6/14/2018 9:45:02 AM



#50

Toluene-d8

Concen: 49.280 ug/l

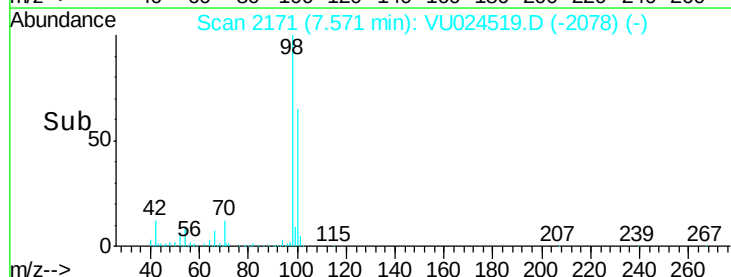
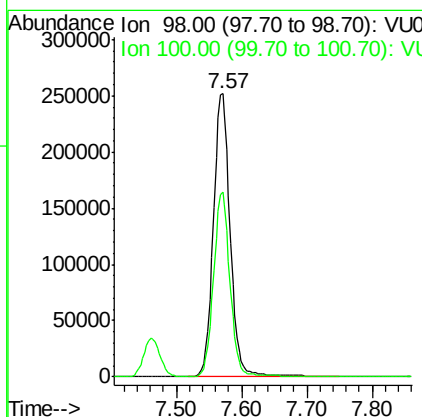
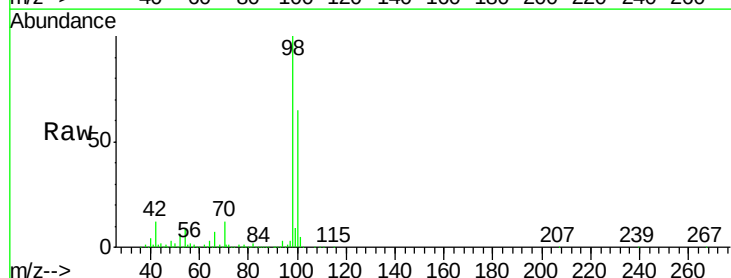
RT: 7.57 min Scan# 2171

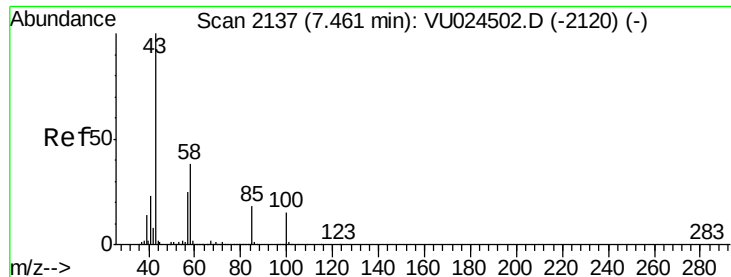
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	98	Resp:	450646
Ion Ratio	Lower	Upper	
98	100		
100	63.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 99.077 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 43 Resp: 416263

Ion Ratio Lower Upper

43 100

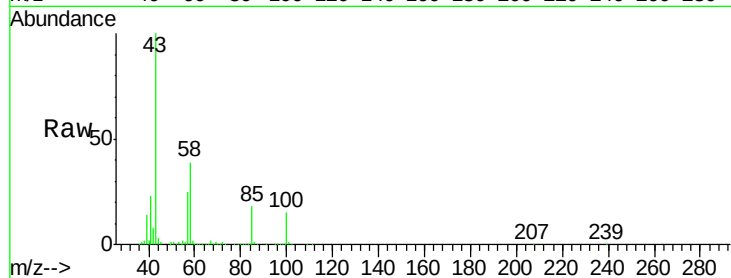
58 38.5 30.0 45.0

Manual Integrations

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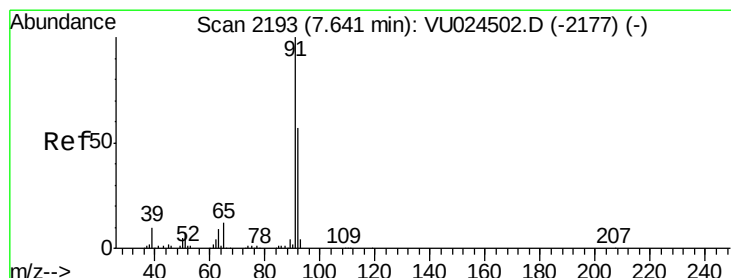
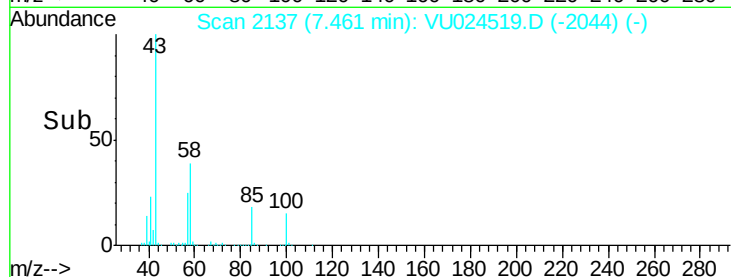
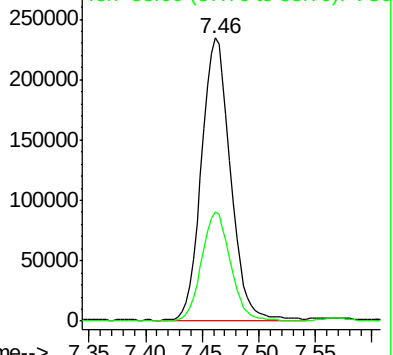
MMDadoda

6/14/2018 9:45:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.068 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024519.D

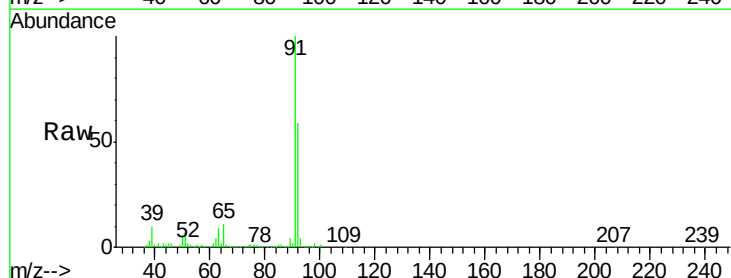
Acq: 13 Jun 2018 19:41

Tgt Ion: 92 Resp: 124083

Ion Ratio Lower Upper

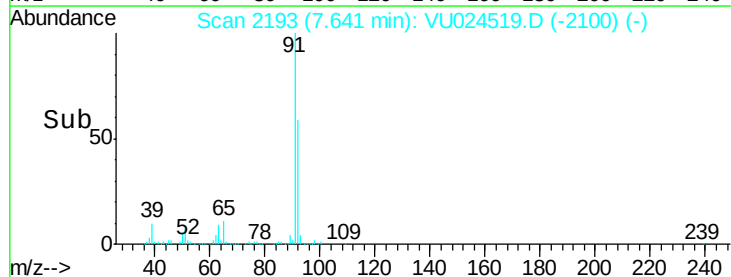
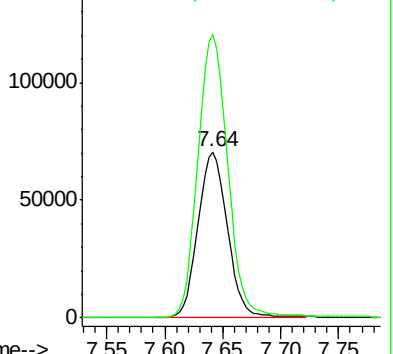
92 100

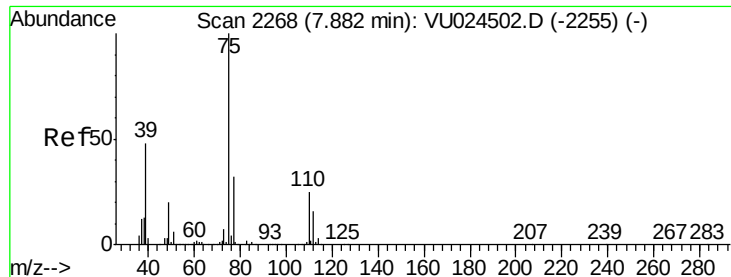
91 171.4 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





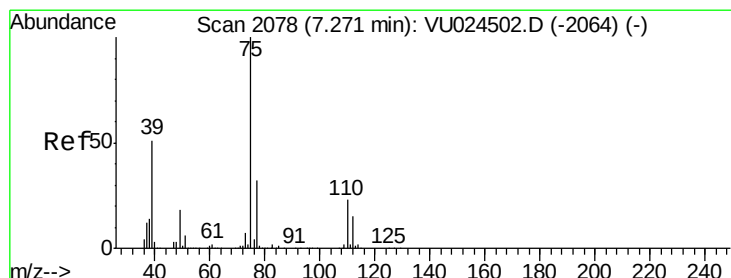
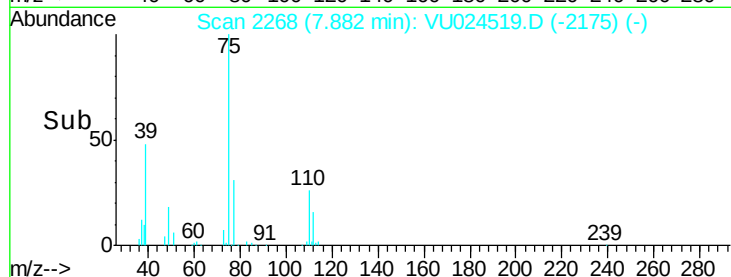
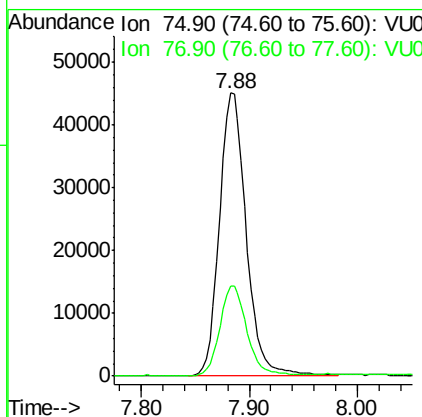
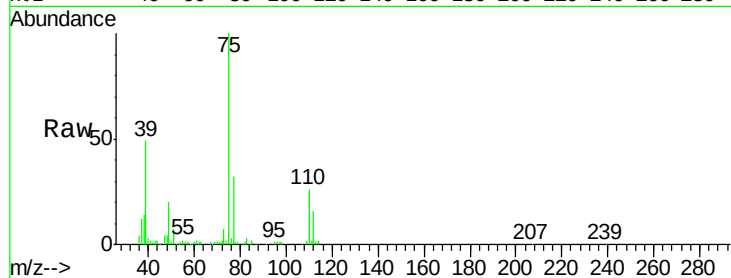
#53
t-1,3-Dichloropropene
Concen: 18.436 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

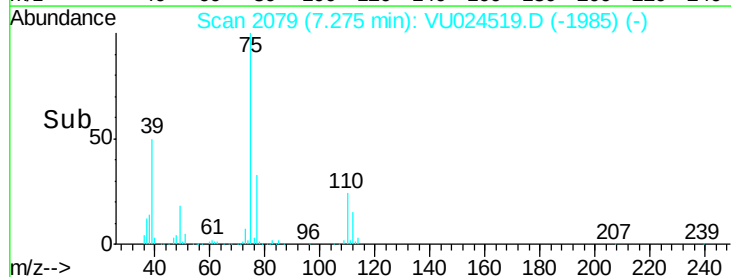
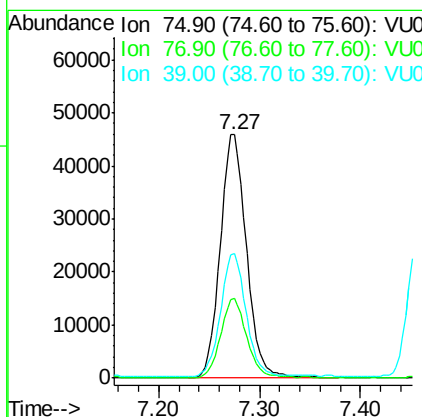
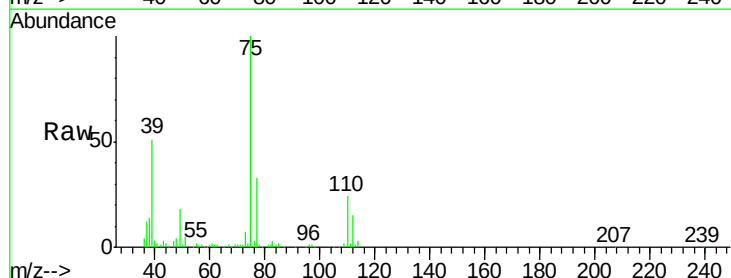
Manual Integrations
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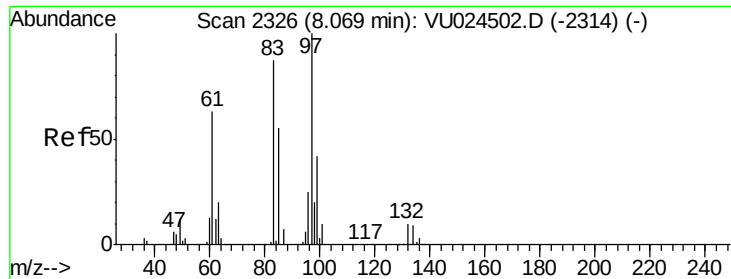
MMDadoda
6/14/2018 9:45:02 AM



#54
cis-1,3-Dichloropropene
Concen: 18.530 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8
39	50.5	39.8	59.6





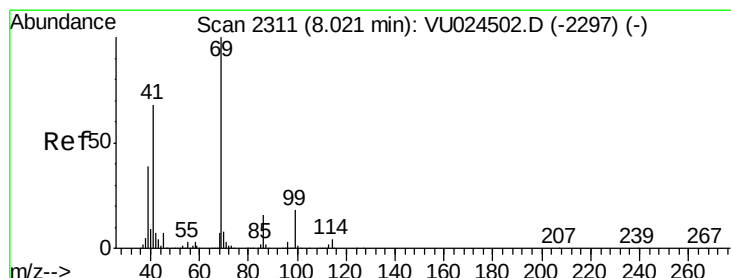
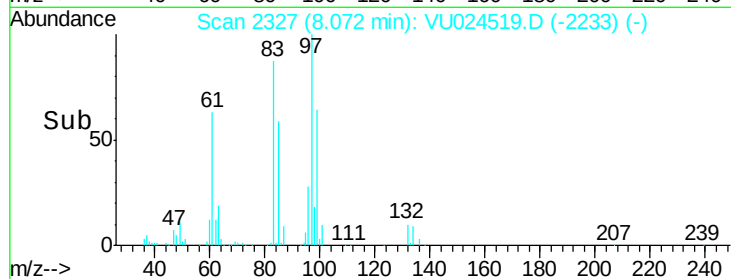
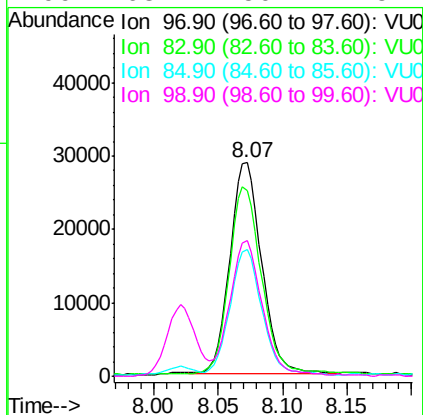
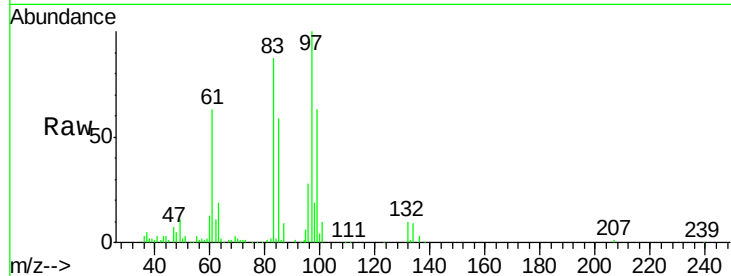
#55
 1,1,2-Trichloroethane
 Concen: 18.436 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion:	97	Resp:	48767
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.5	105.7
85	59.5	46.4	69.6
99	63.4	50.2	75.2

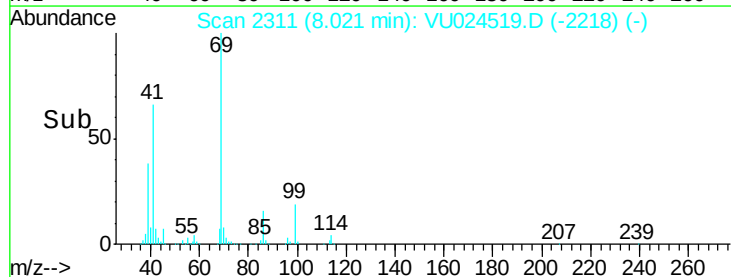
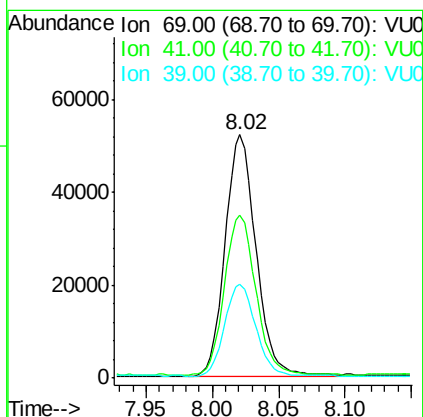
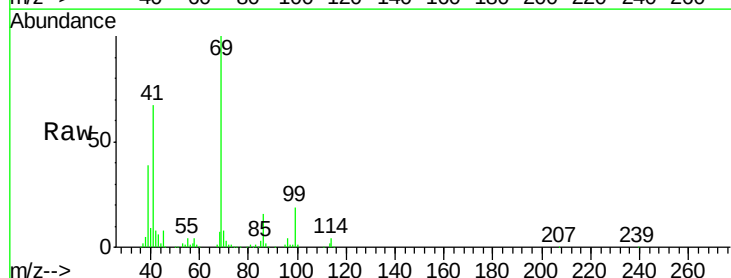
Manual Integrations
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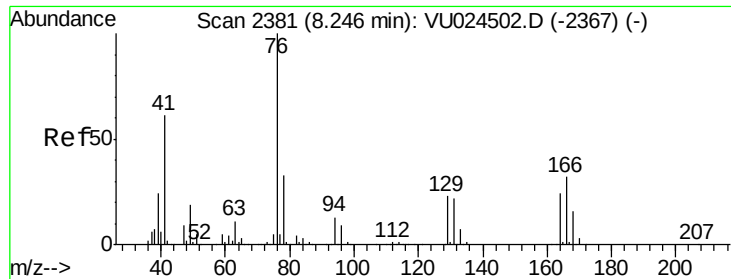
MMDadoda
 6/14/2018 9:45:02 AM



#56
 Ethyl methacrylate
 Concen: 19.091 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion:	69	Resp:	84519
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.1	81.1
39	38.2	30.3	45.5





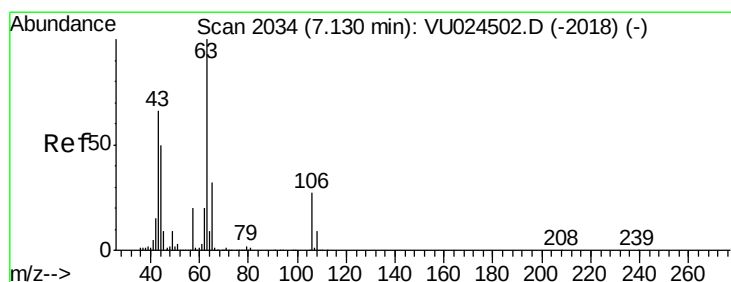
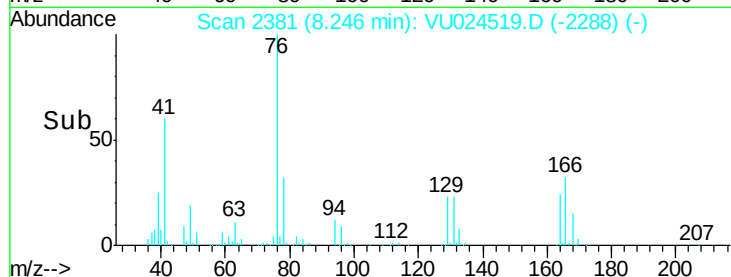
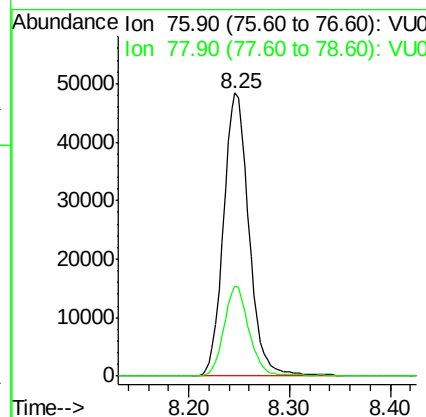
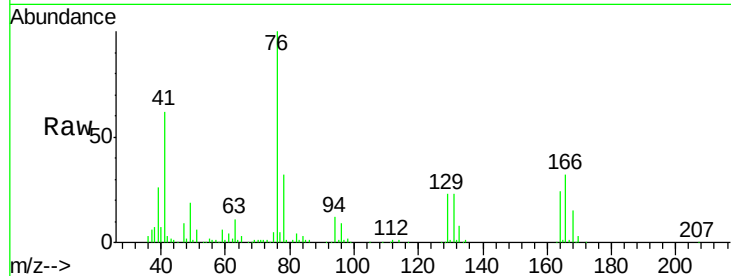
#57
 1,3-Dichloropropane
 Concen: 19.187 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion: 76 Resp: 85614
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

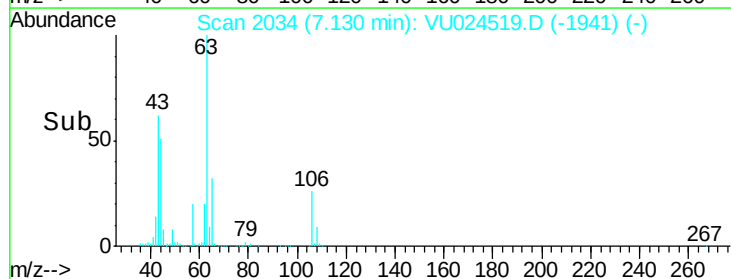
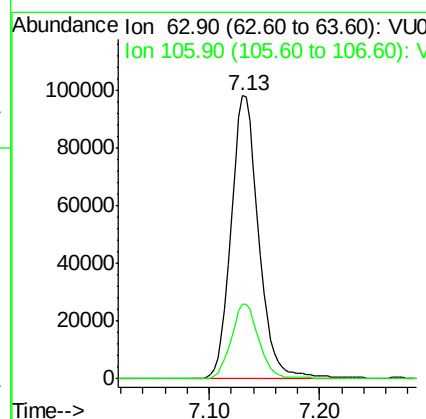
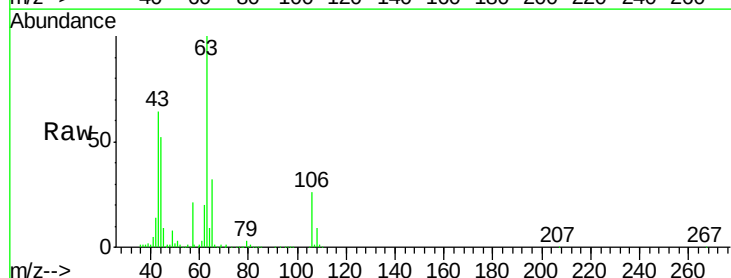
Manual Integrations
 APPROVED

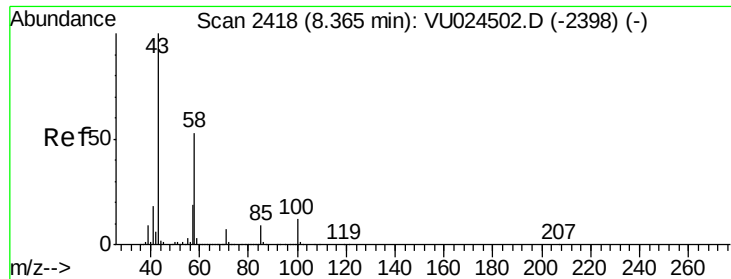
MMDadoda
 6/14/2018 9:45:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.537 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion: 63 Resp: 170522
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.2 30.2





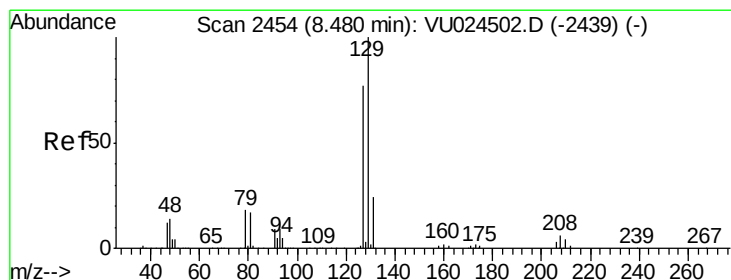
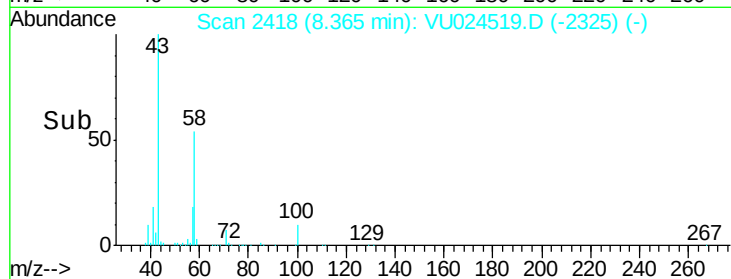
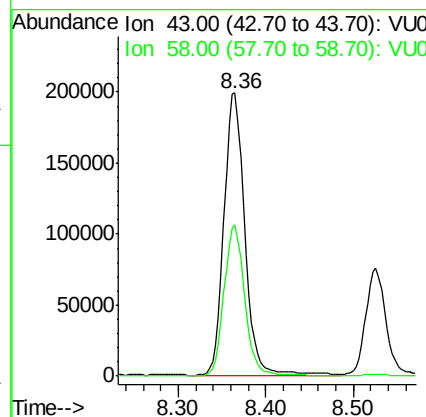
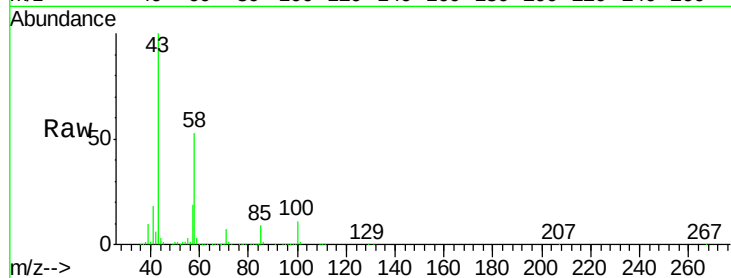
#59
2-Hexanone
Concen: 95.991 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.4	79.0

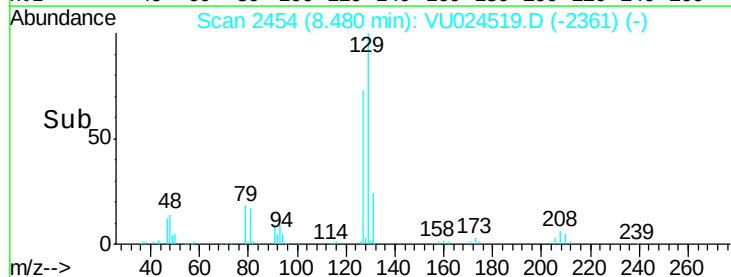
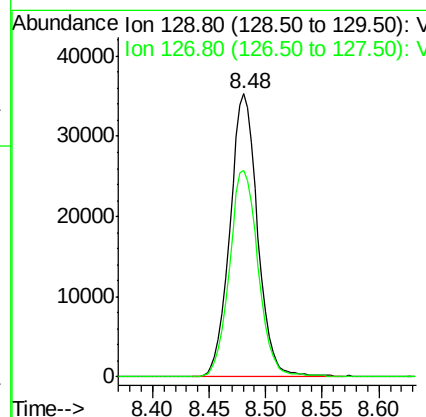
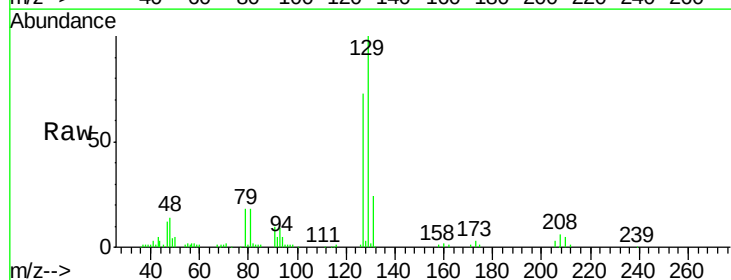
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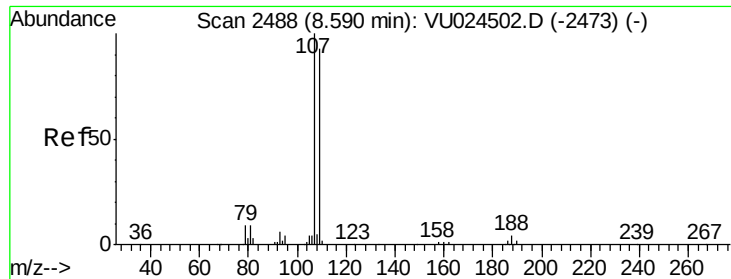
MMDadoda
6/14/2018 9:45:02 AM



#60
Dibromochloromethane
Concen: 18.248 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	116.0





#61

1,2-Dibromoethane

Concen: 18.654 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion:107 Resp: 54921

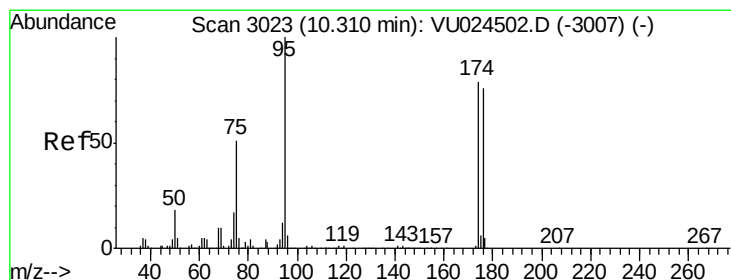
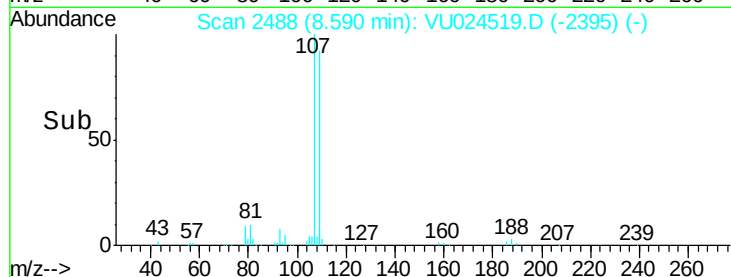
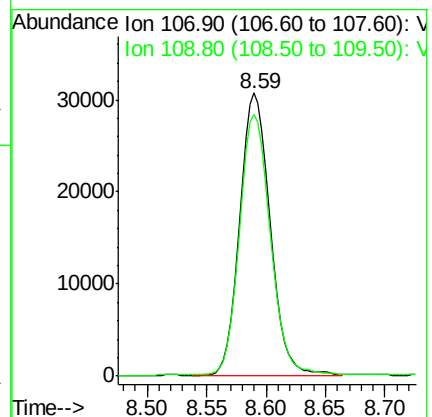
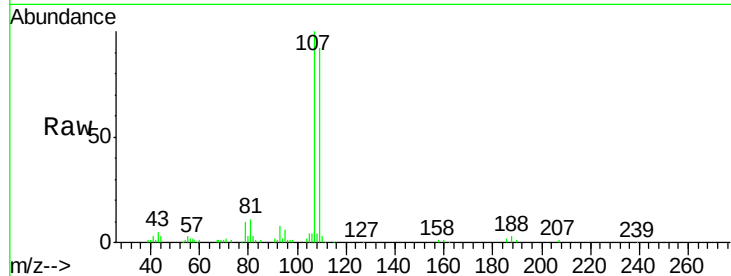
Ion Ratio Lower Upper

107 100

109 92.7 74.5 111.7

Manual Integrations
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6/14/2018 9:45:02 AM



#62

4-Bromofluorobenzene

Concen: 48.129 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

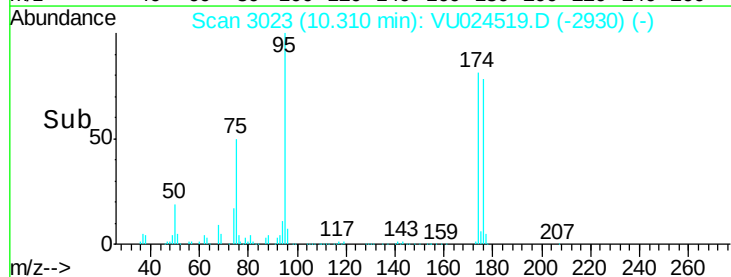
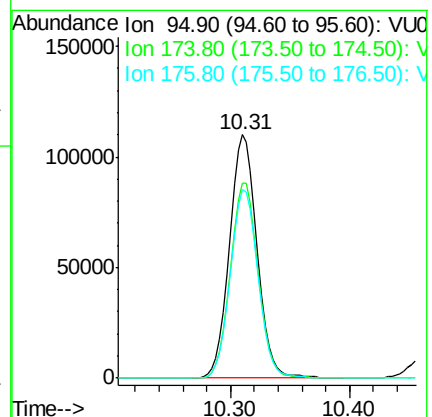
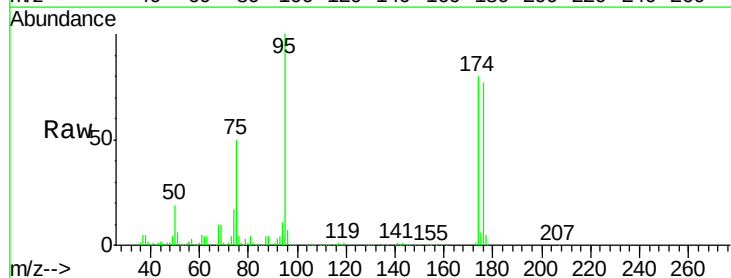
Tgt Ion: 95 Resp: 174745

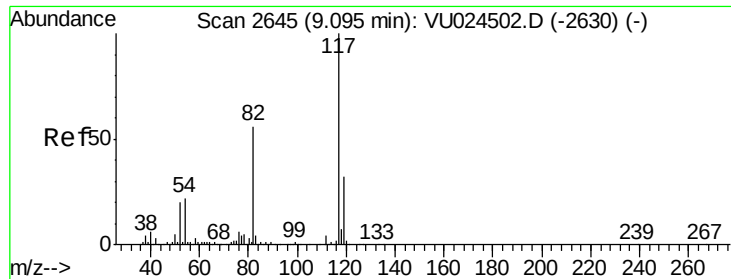
Ion Ratio Lower Upper

95 100

174 81.7 0.0 165.8

176 78.9 0.0 159.4





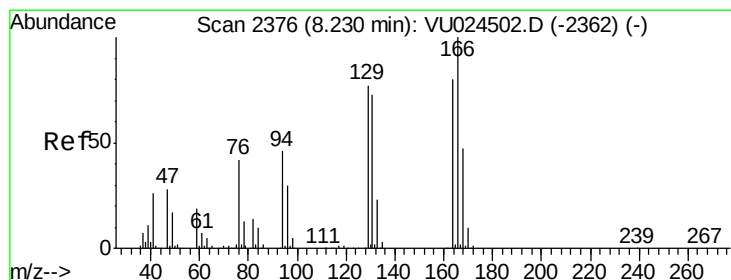
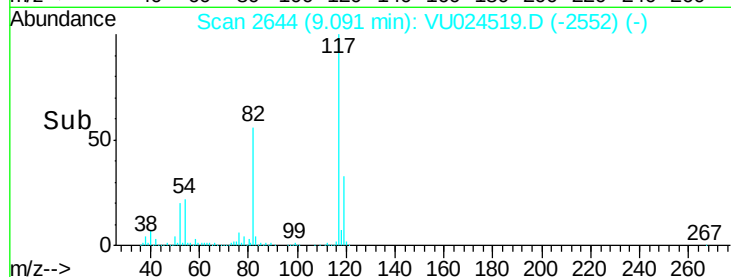
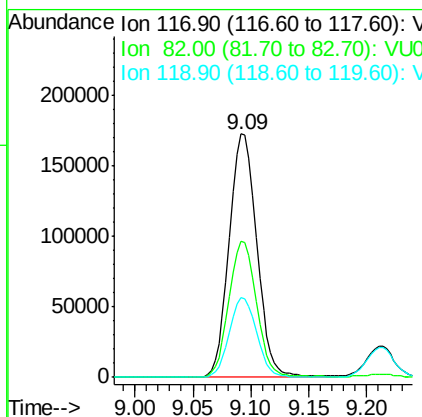
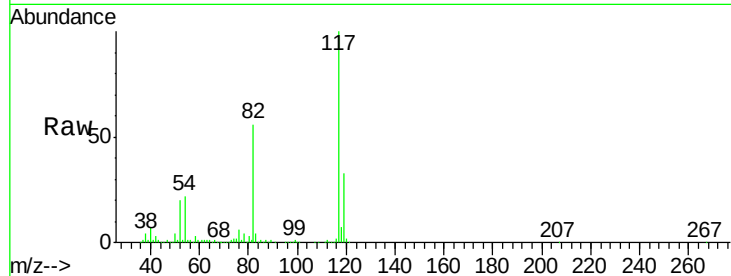
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284742		
82	55.6	44.3	66.5	
119	32.7	25.4	38.2	

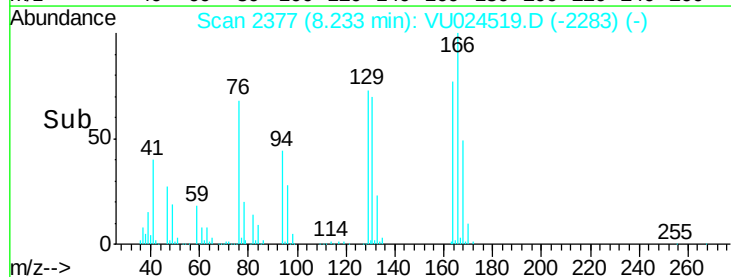
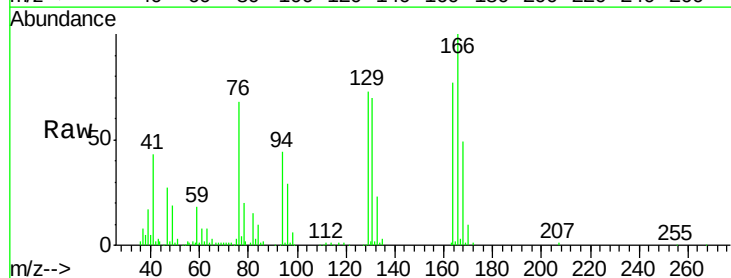
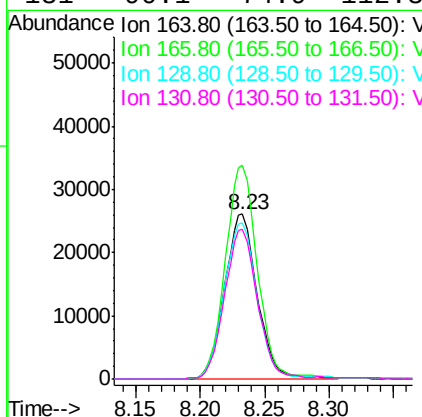
Manual Integrations
APPROVED

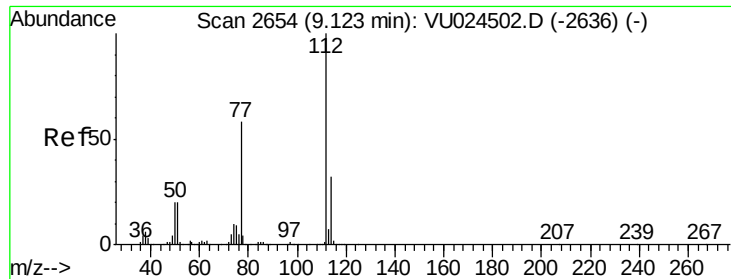
MMDadoda
6/14/2018 9:45:02 AM



#64
Tetrachloroethene
Concen: 16.981 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45961		
166	129.5	101.7	152.5	
129	94.2	76.9	115.3	
131	90.1	74.9	112.3	





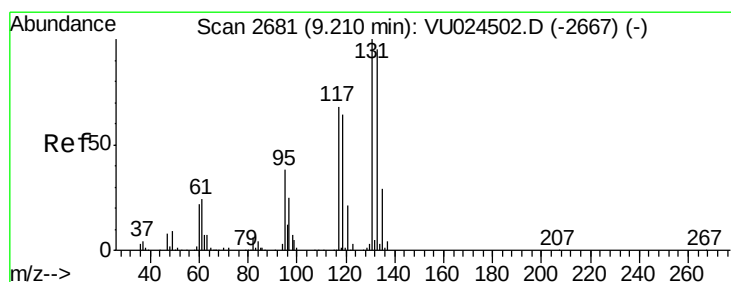
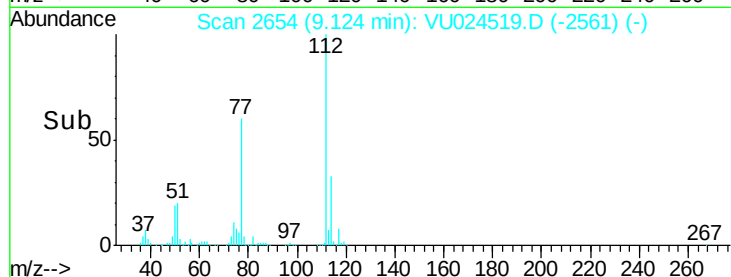
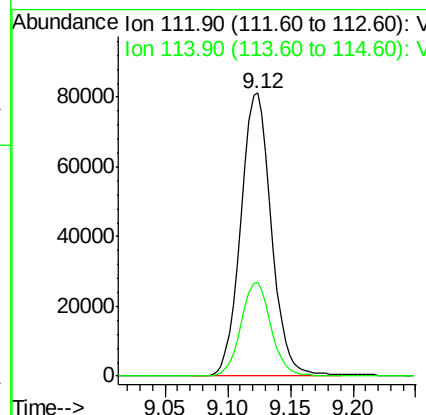
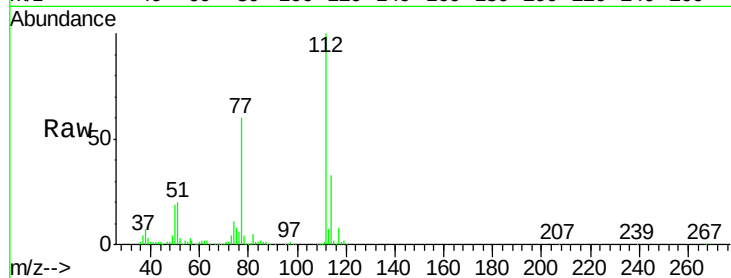
#65
Chlorobenzene
Concen: 18.996 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.6	38.4

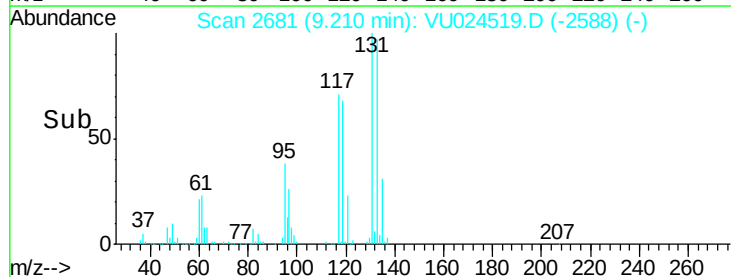
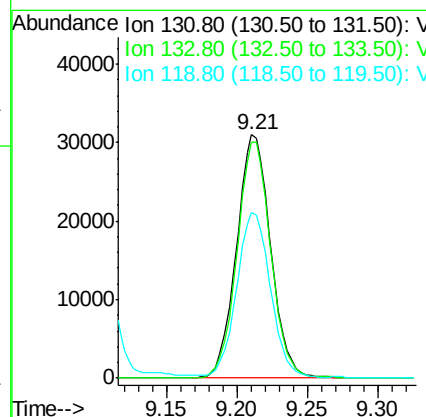
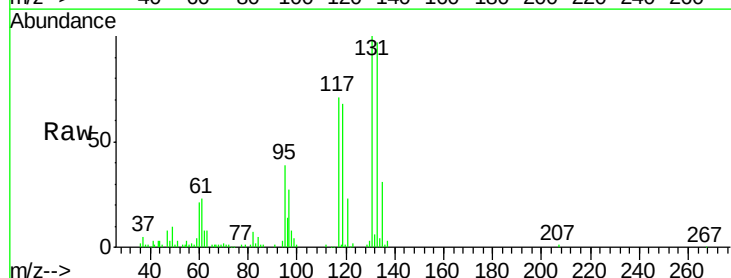
Manual Integrations
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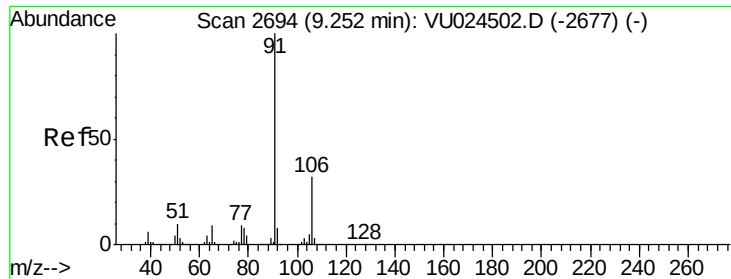
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.987 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	46.9	140.8
119	66.8	33.5	100.4





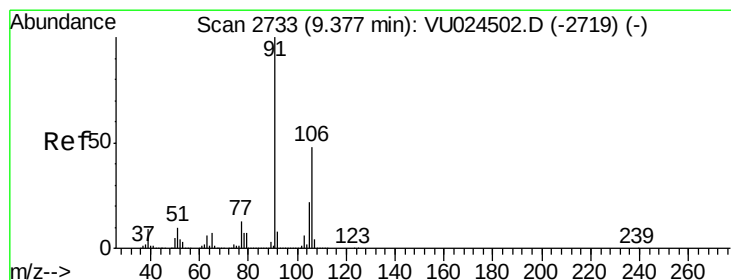
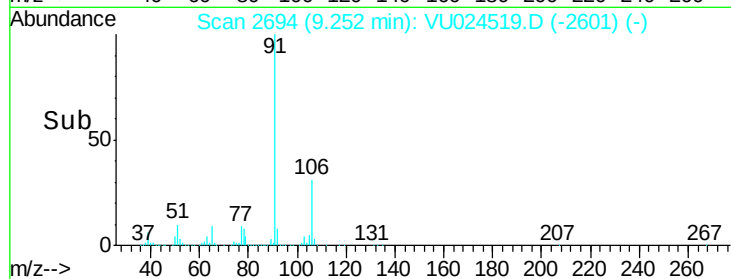
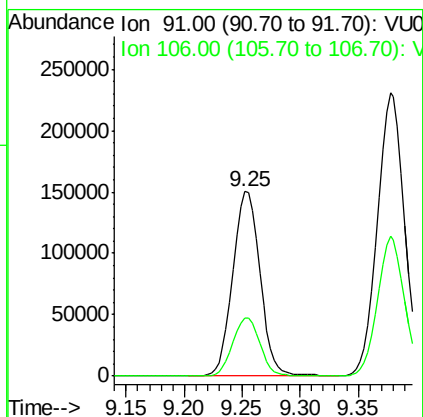
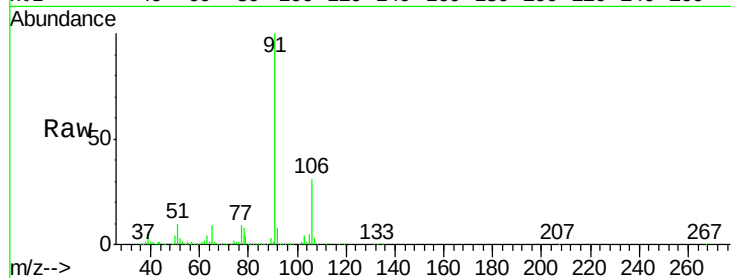
#67
Ethyl Benzene
Concen: 19.132 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.2	36.4

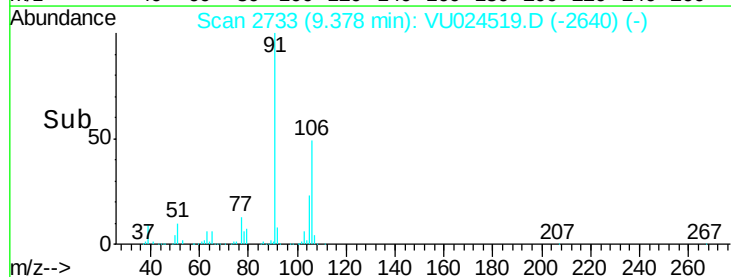
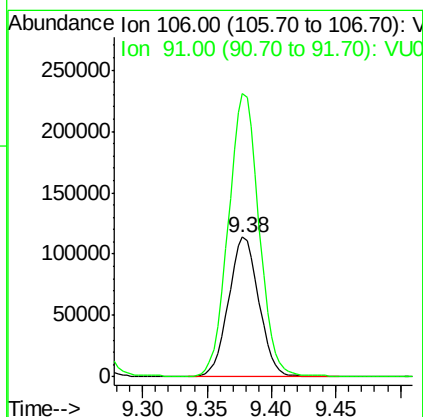
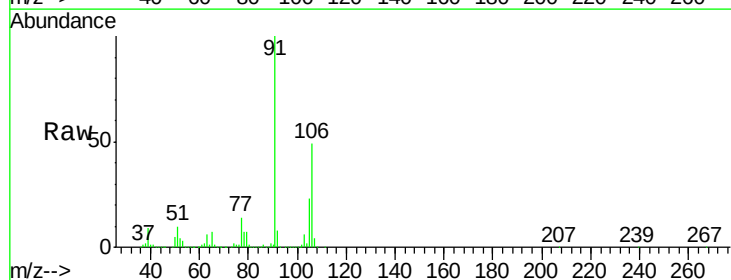
Manual Integrations
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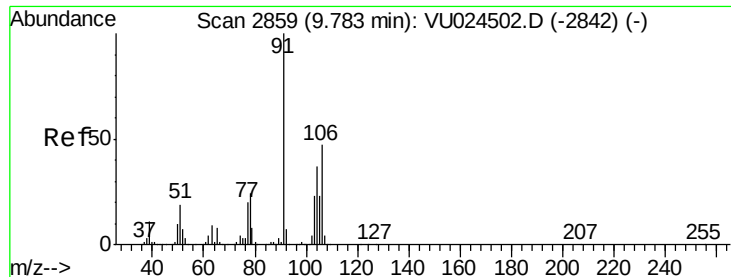
MMDadoda
6/14/2018 9:45:02 AM



#68
m/p-Xylenes
Concen: 37.838 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.9	166.5	249.7





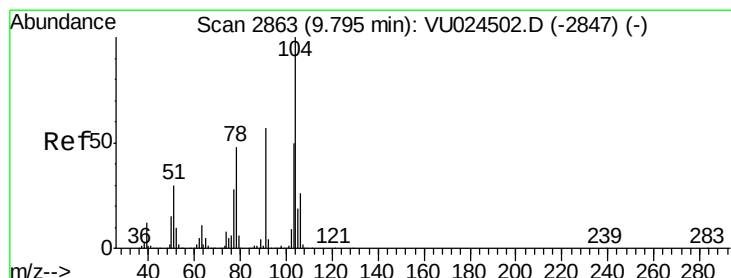
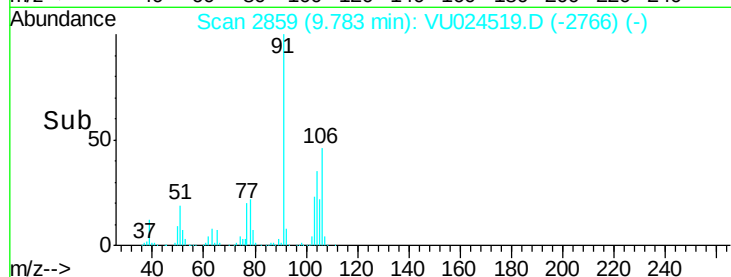
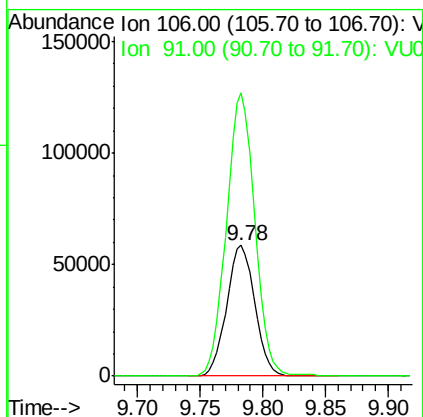
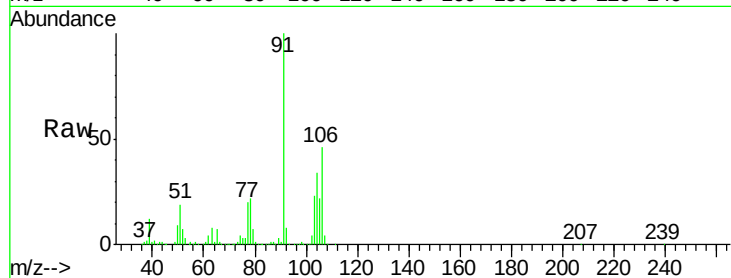
#69
o-Xylene
Concen: 18.871 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91451	106			
	106	100		
	91	216.4	110.7	331.9

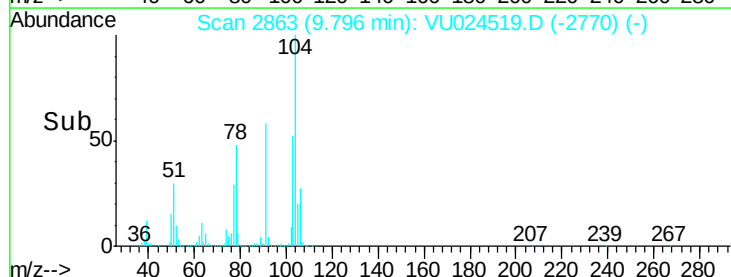
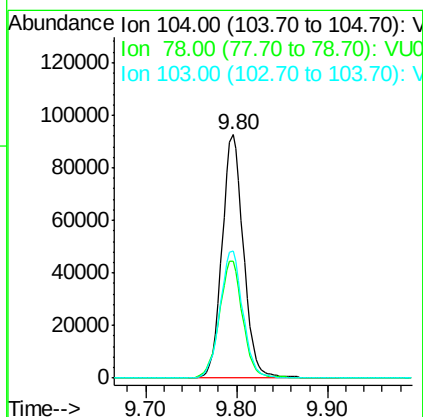
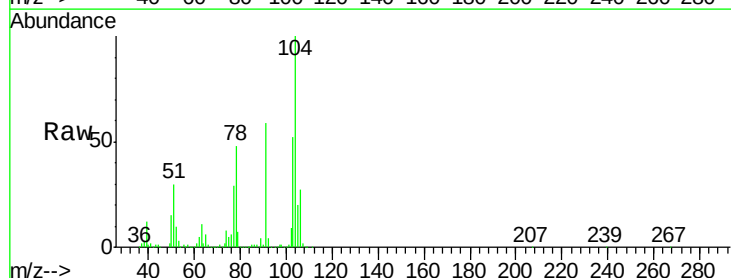
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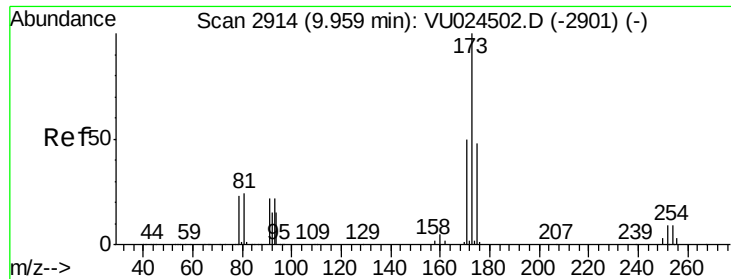
MMDadoda
6/14/2018 9:45:02 AM



#70
Styrene
Concen: 19.049 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
151701	104			
	104	100		
	78	52.5	40.6	60.8
	103	55.8	44.7	67.1





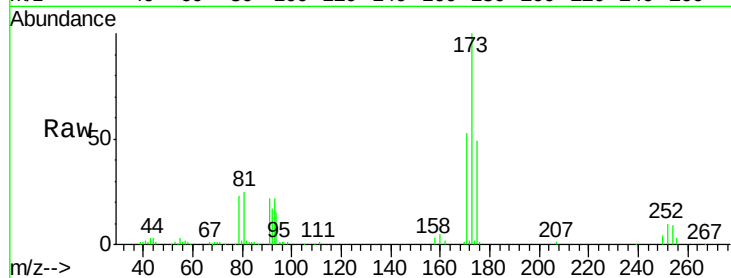
#71
Bromoform
Concen: 19.206 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.0	0.0	0.0

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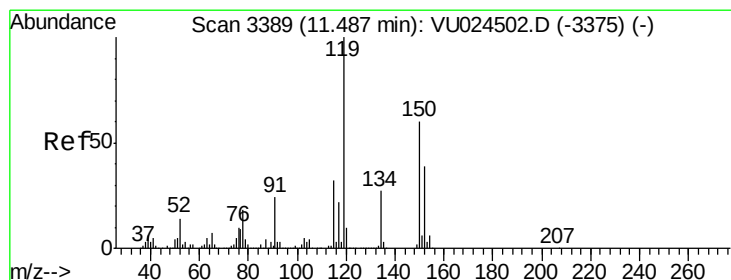
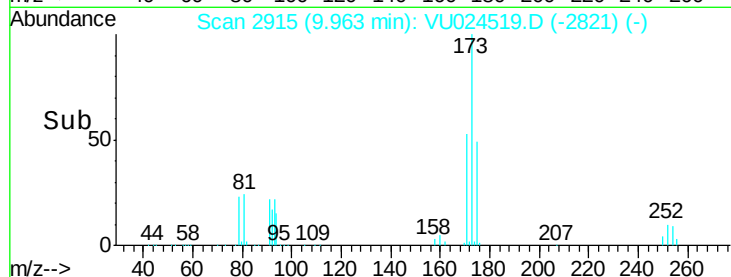
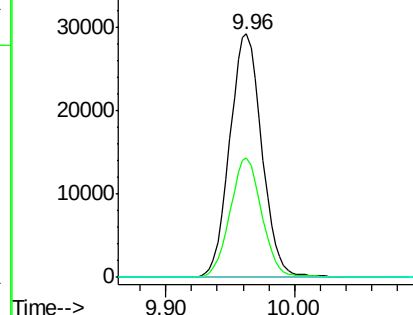


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

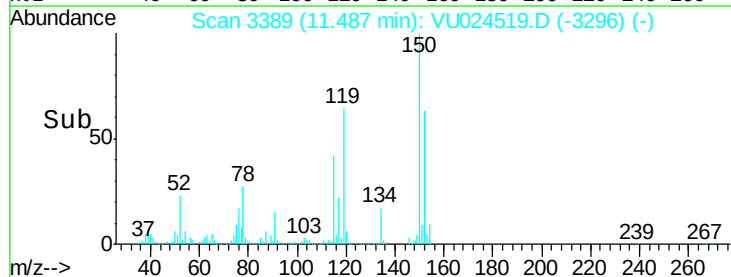
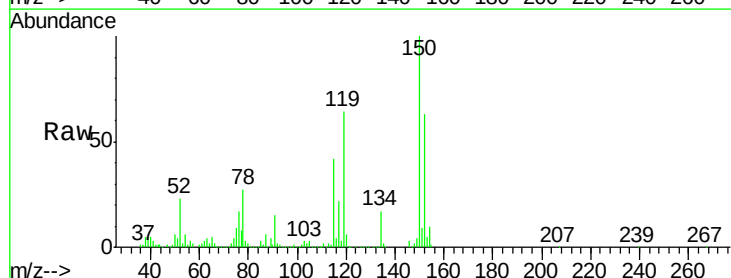
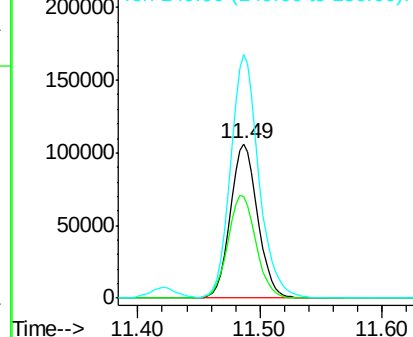
Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.9	43.0	129.0
150	163.5	0.0	354.0

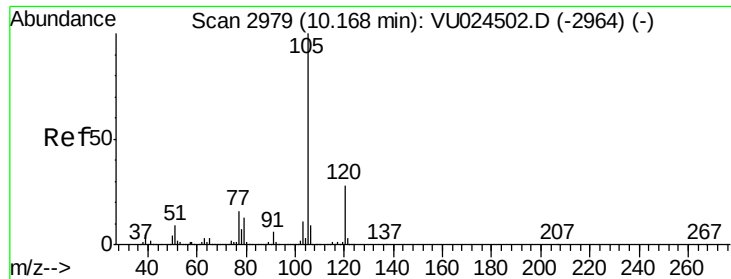
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





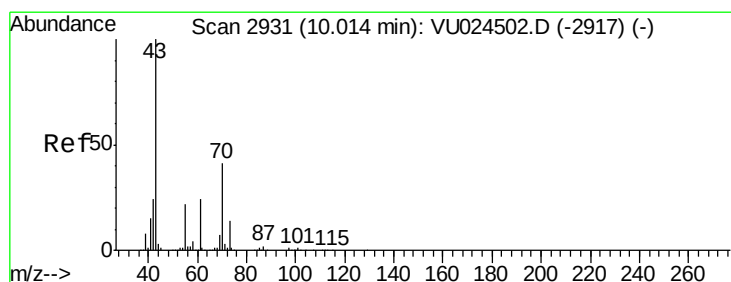
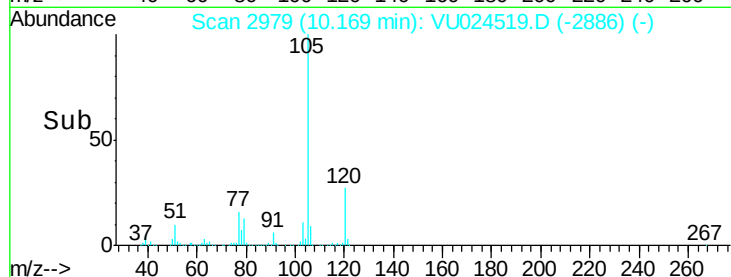
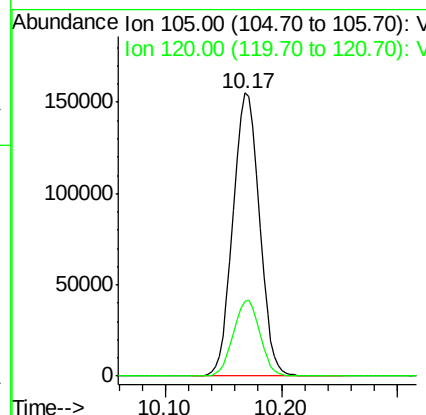
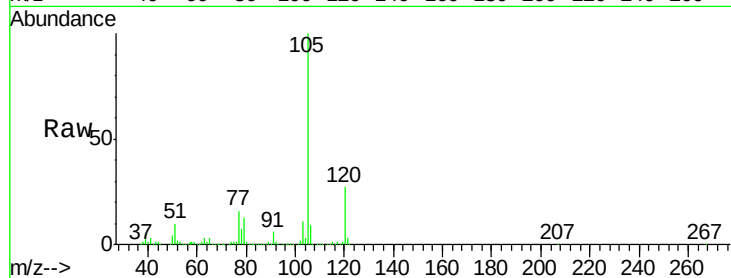
#73
Isopropylbenzene
Concen: 19.095 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.6

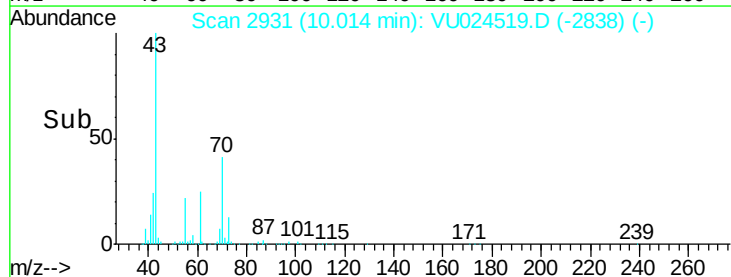
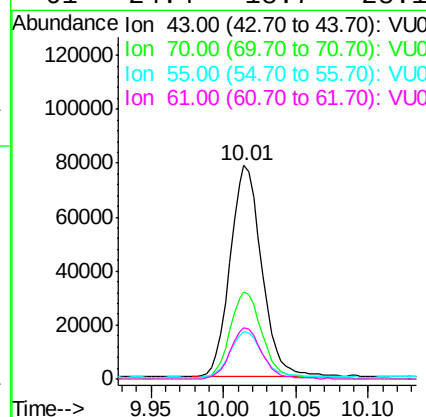
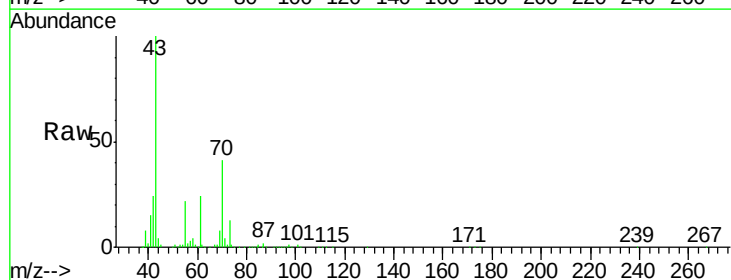
Manual Integrations
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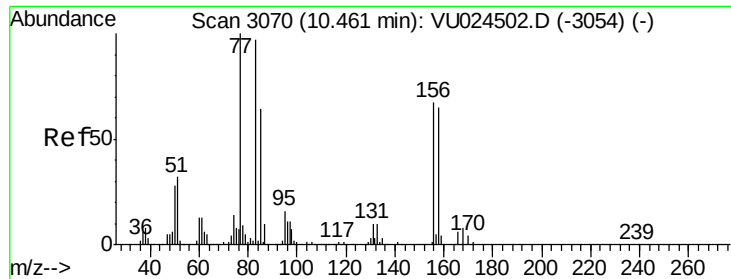
MMDadoda
6/14/2018 9:45:02 AM



#74
N-ethyl acetate
Concen: 19.492 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.2	48.4
55	22.9	20.5	30.7
61	24.4	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.004 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 83 Resp: 85519

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

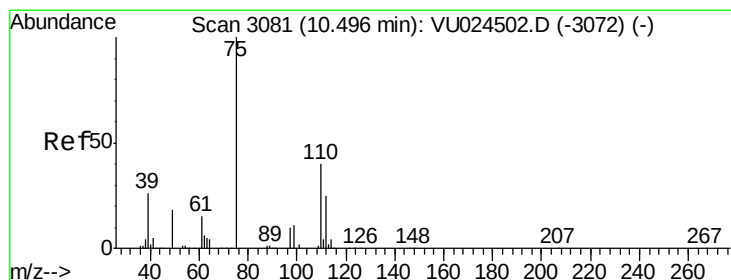
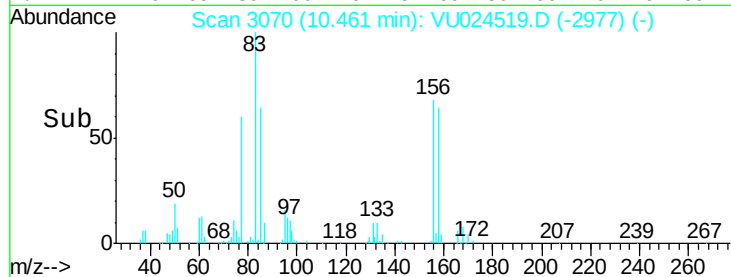
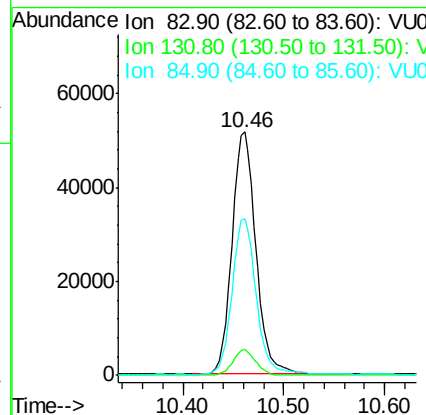
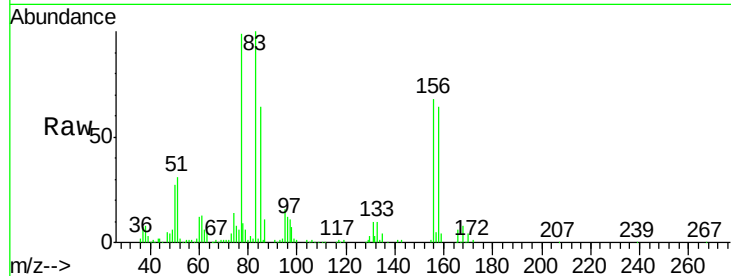
85 65.3 32.5 97.5

Manual Integrations

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6/14/2018 9:45:02 AM



#76

1,2,3-Trichloropropane

Concen: 20.712 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024519.D

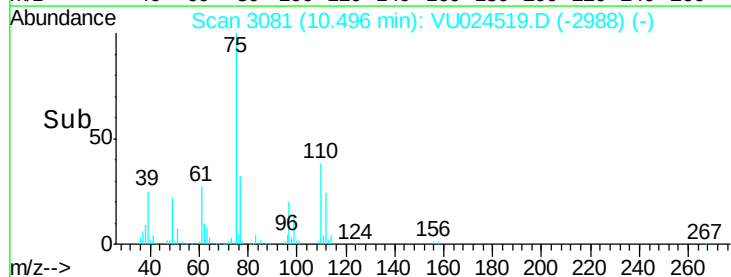
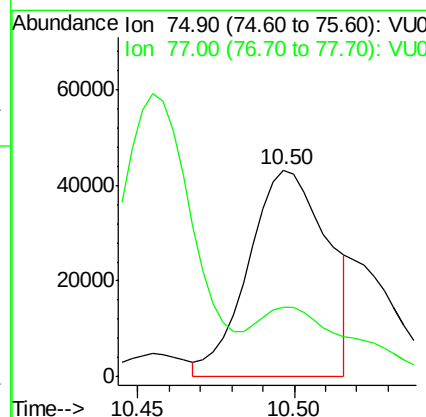
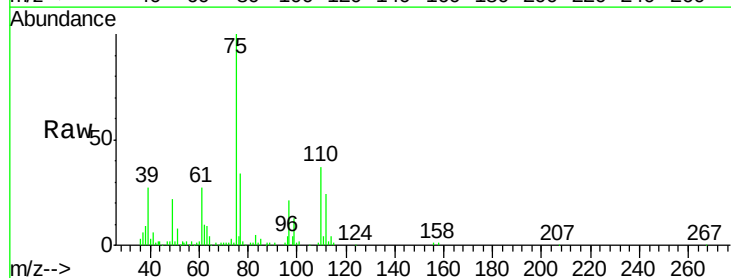
Acq: 13 Jun 2018 19:41

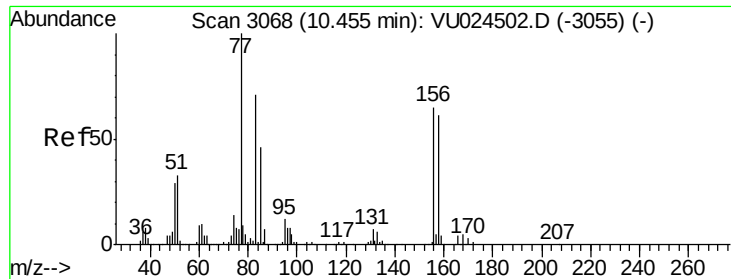
Tgt Ion: 75 Resp: 75775

Ion Ratio Lower Upper

75 100

77 41.1 20.9 62.7





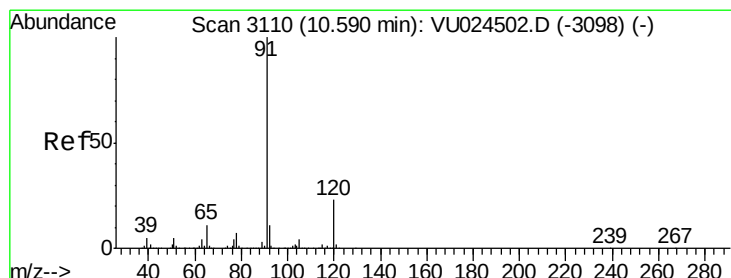
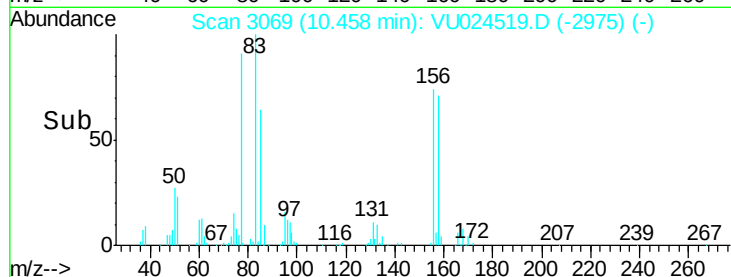
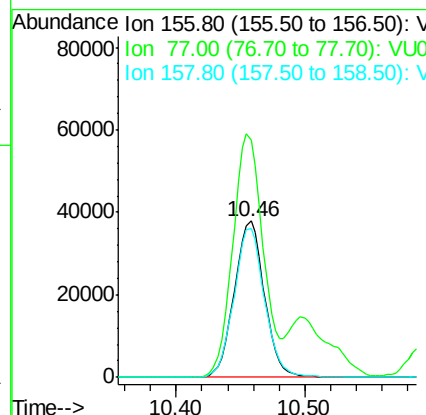
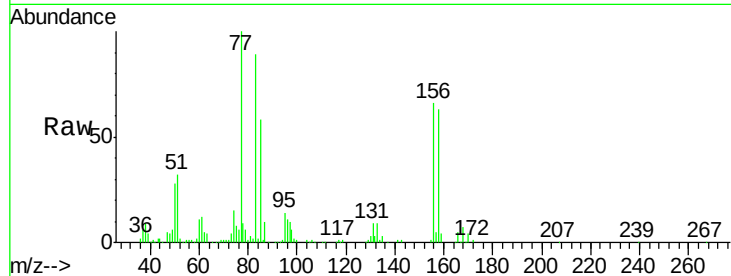
#77
Bromobenzene
Concen: 19.058 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.4	80.5	241.3
158	97.1	48.2	144.6

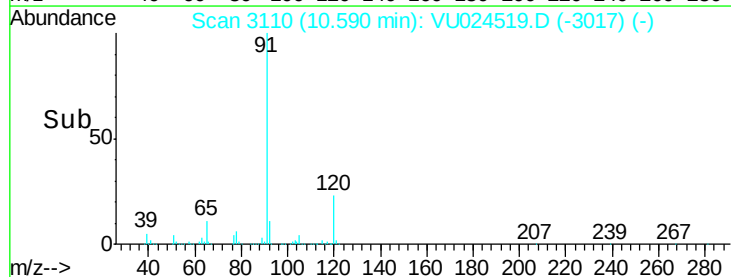
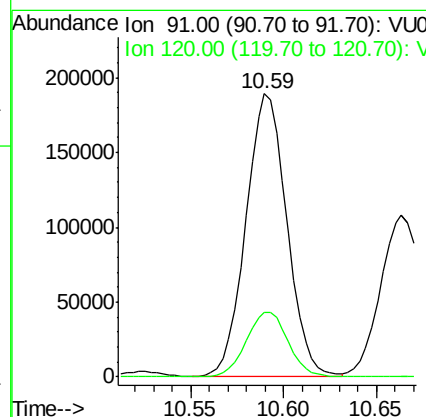
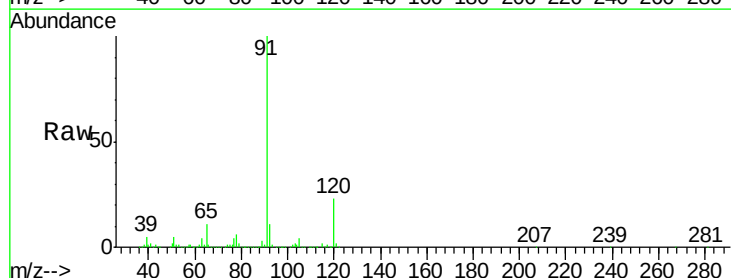
Manual Integrations
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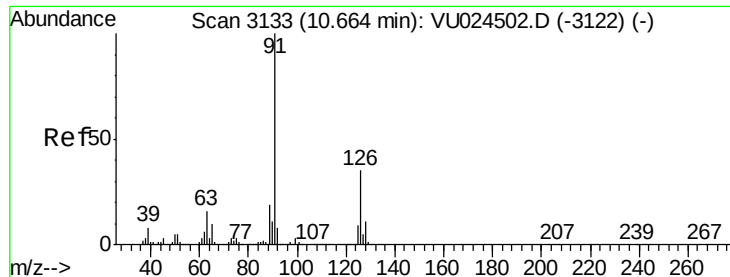
MMDadoda
6/14/2018 9:45:02 AM



#78
n-propylbenzene
Concen: 19.318 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.066 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion: 91 Resp: 168970

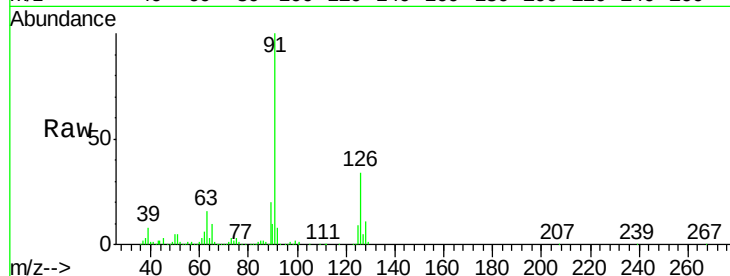
Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3122) (-)

200000

150000

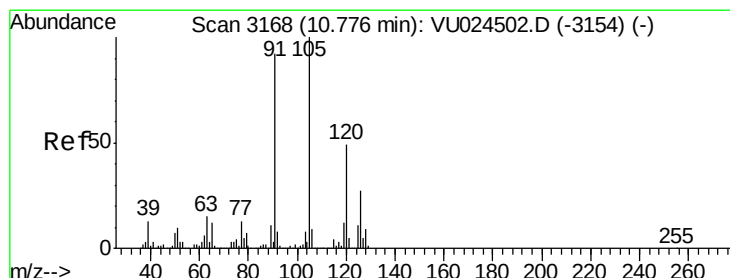
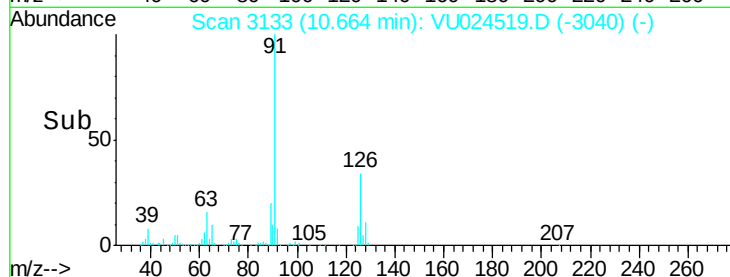
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.888 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024519.D

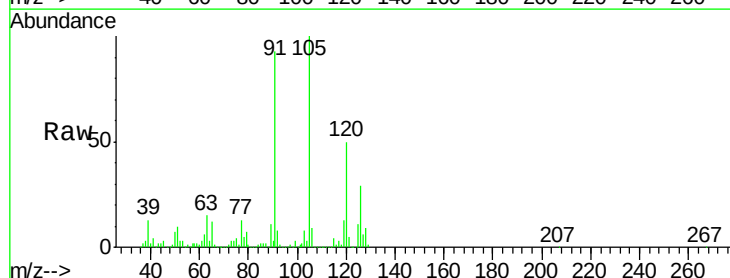
Acq: 13 Jun 2018 19:41

Tgt Ion: 105 Resp: 208861

Ion Ratio Lower Upper

105 100

120 50.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3154) (-)

150000

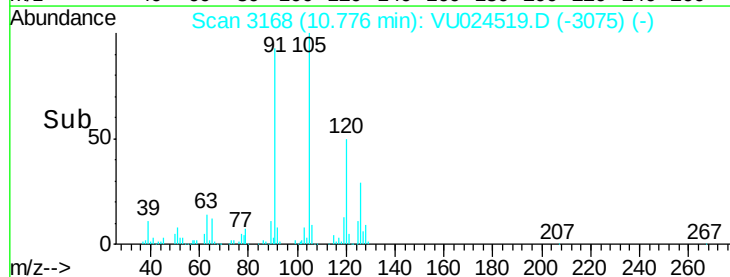
100000

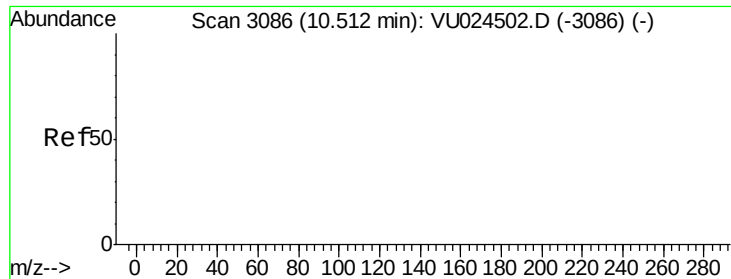
50000

0

10.70 10.75 10.80 10.85

Time-->





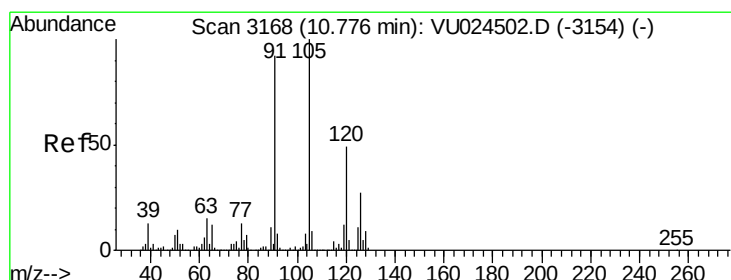
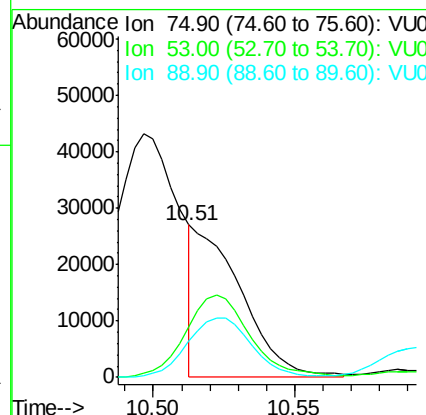
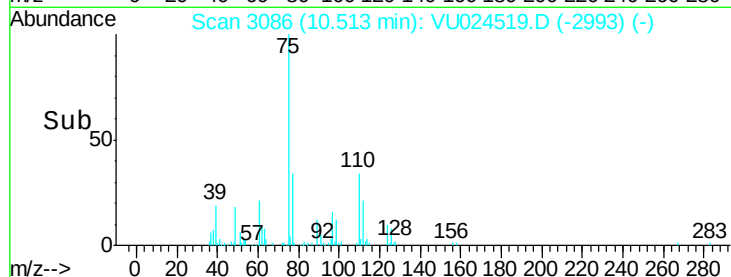
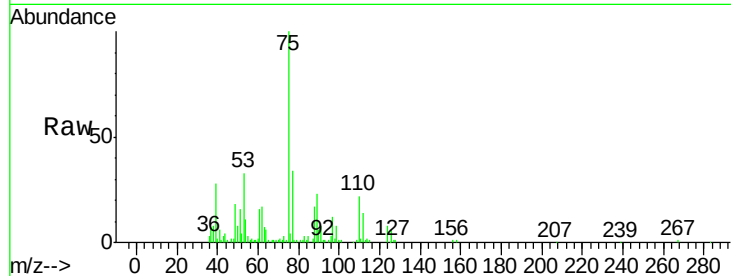
#81
trans-1,4-Dichloro-2-butene
Concen: 19.683 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBSD01

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

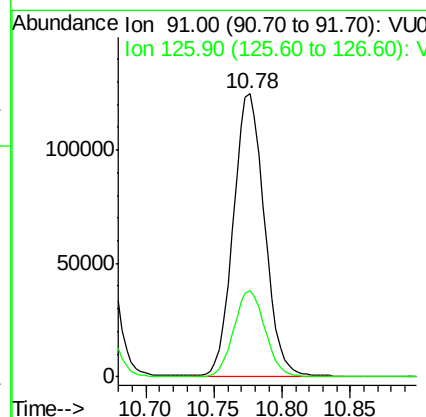
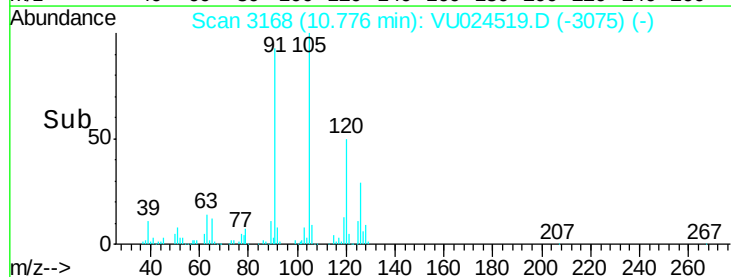
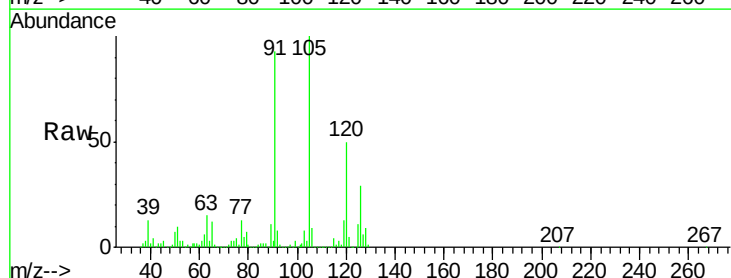
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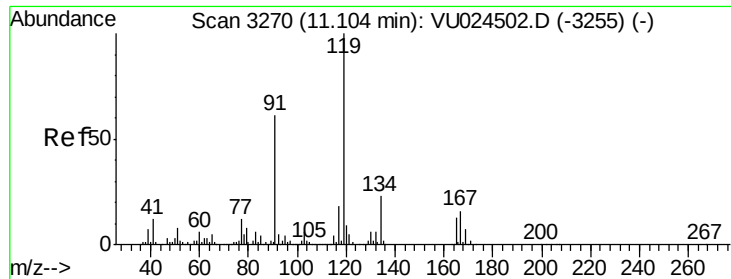
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.108 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.9	44.9





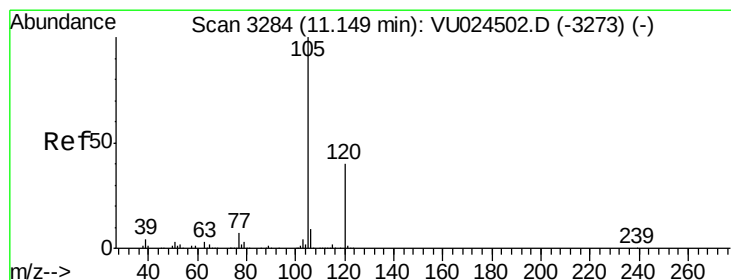
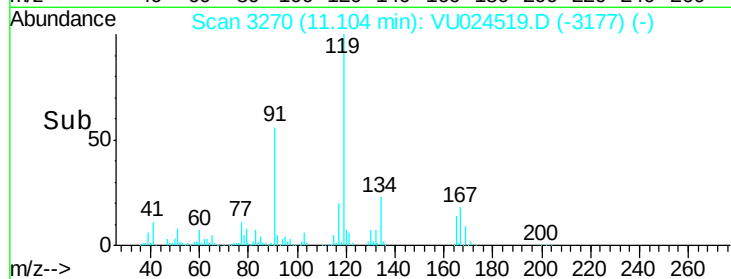
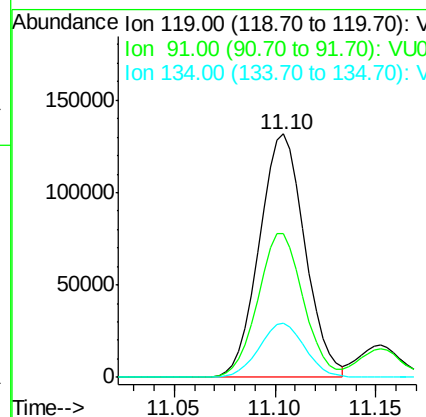
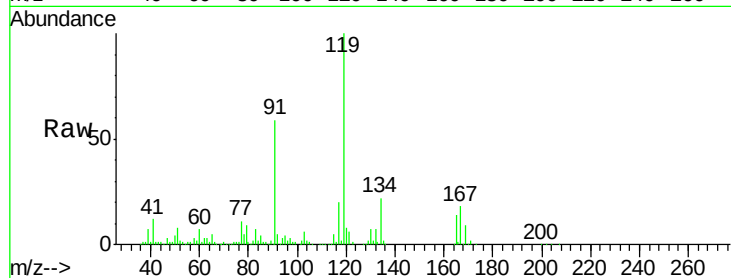
#83
 tert-Butylbenzene
 Concen: 19.525 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.7	89.1
134	22.4	11.6	34.7

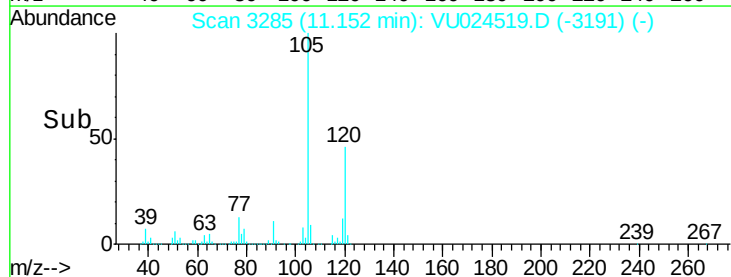
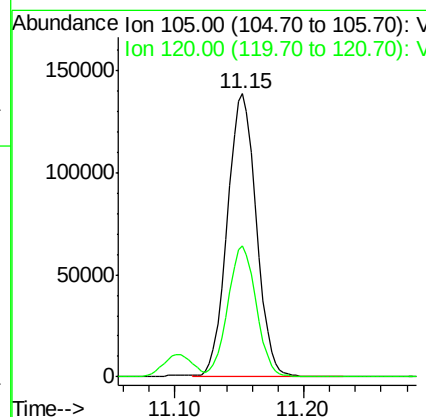
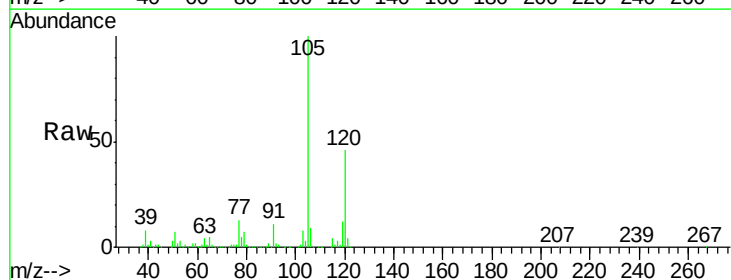
Manual Integrations
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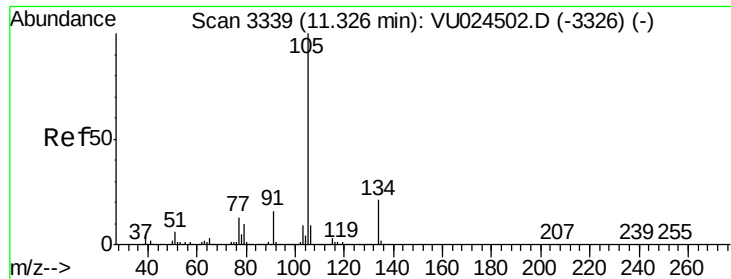
MMDadoda
 6/14/2018 9:45:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.061 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.164 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBSD01

Tot Ion:105 Resp: 255162

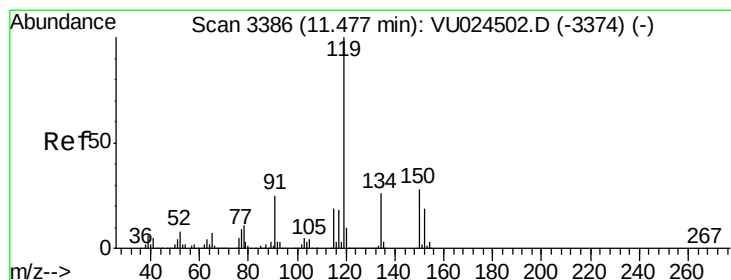
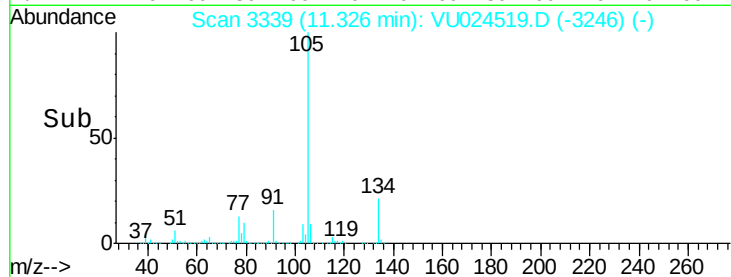
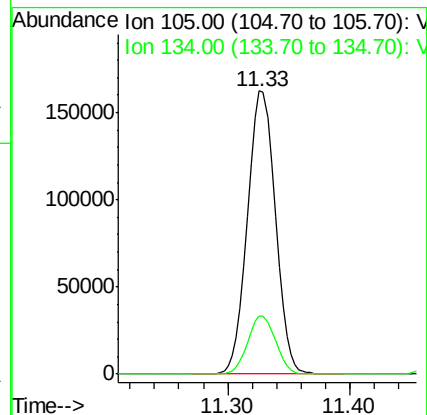
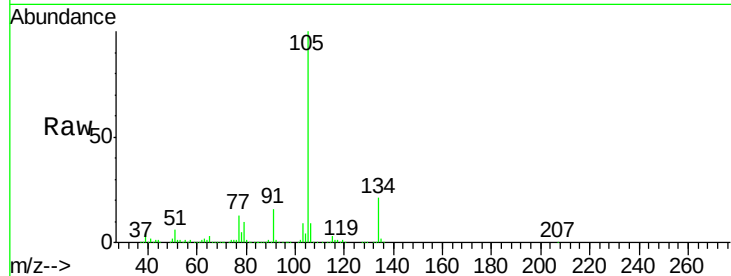
Ion Ratio Lower Upper

105 100

134 20.4 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.865 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

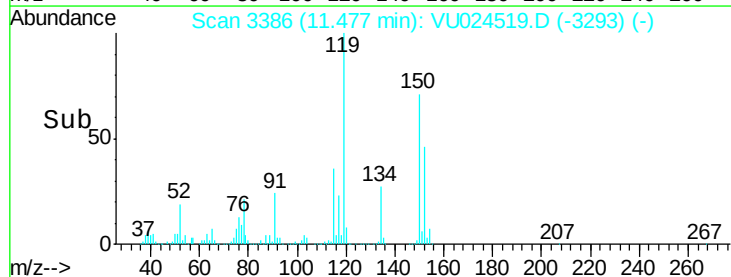
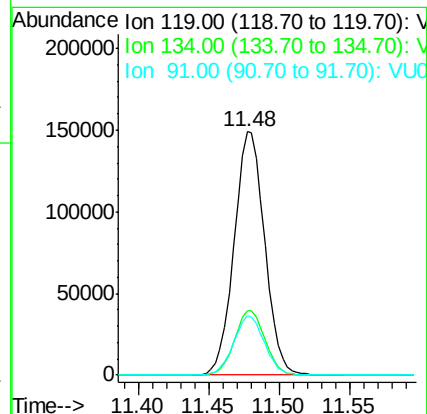
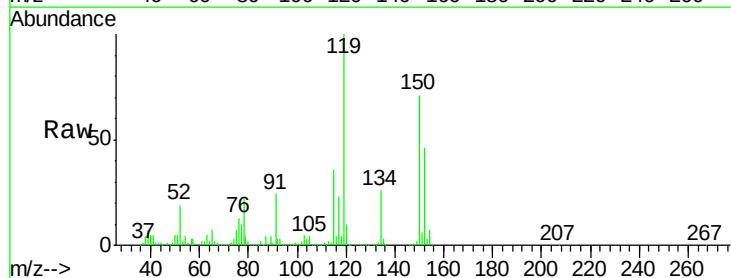
Tgt Ion:119 Resp: 224955

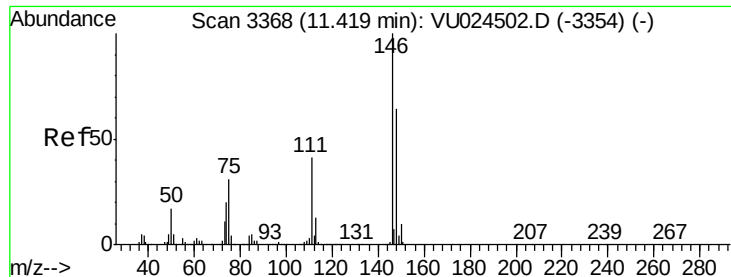
Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 24.4 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 18.700 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

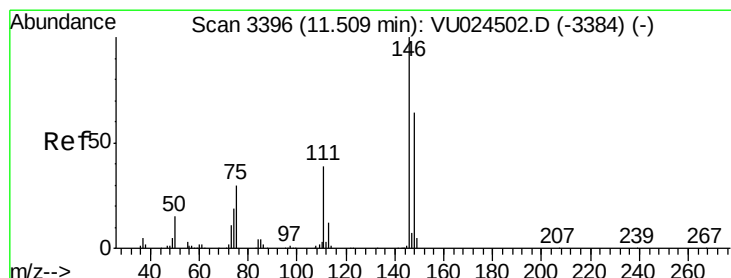
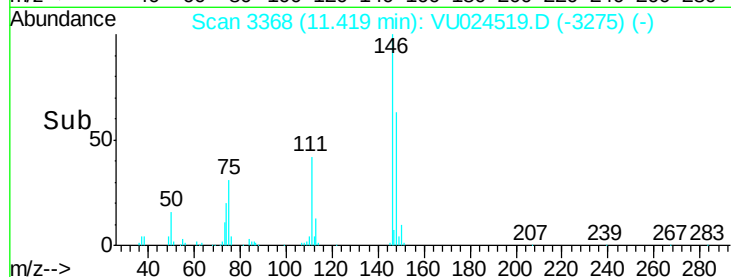
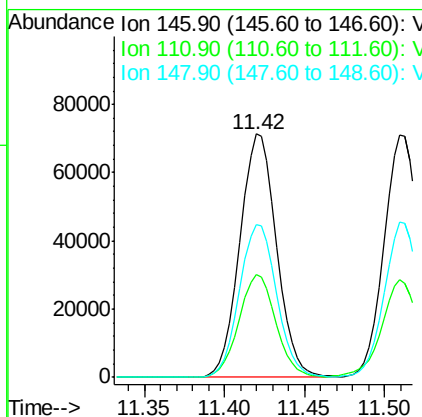
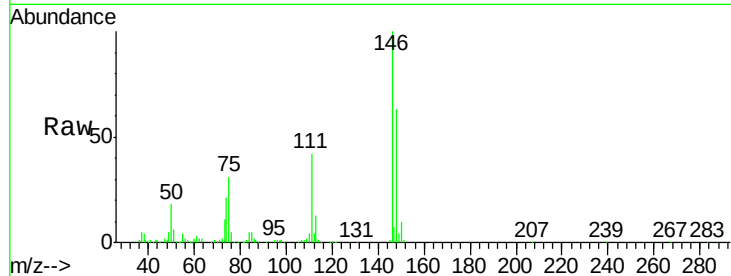
Instrument :
MSVOA_U

ClientSampleId :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	60.0
148	63.9	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.966 ug/l

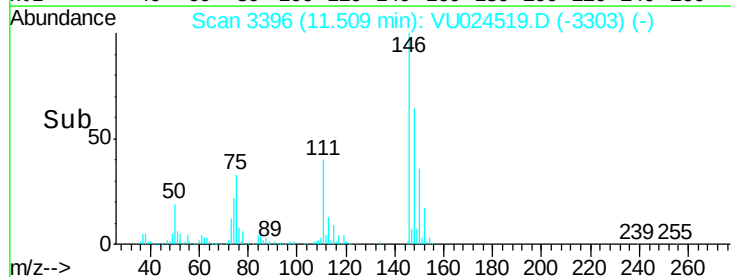
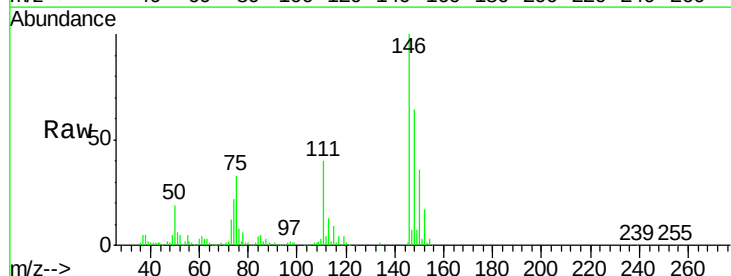
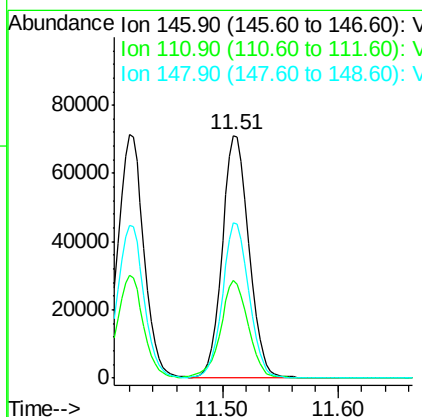
RT: 11.51 min Scan# 3396

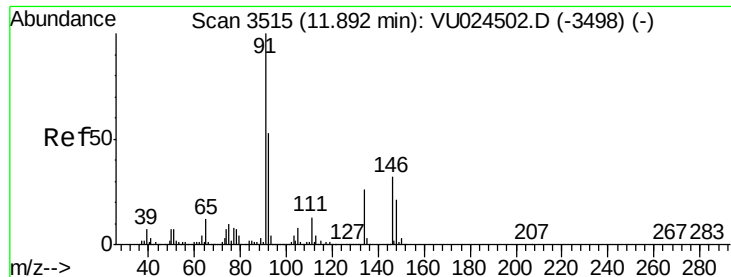
Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.5	58.5
148	63.7	32.4	97.0





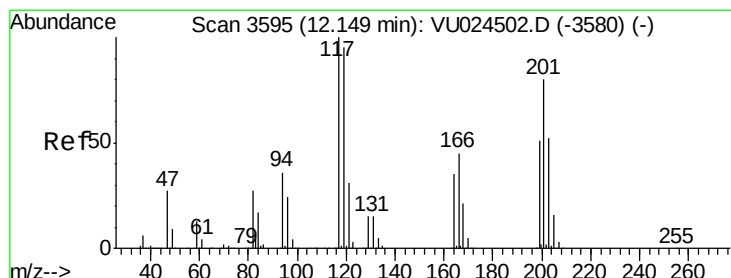
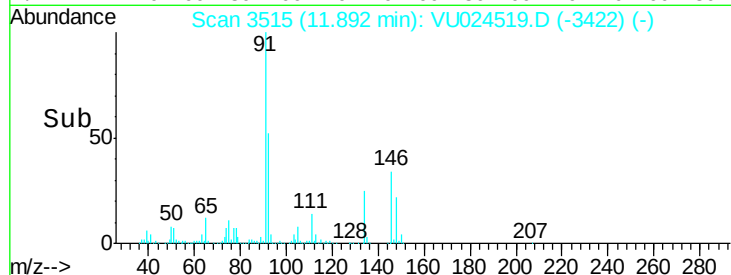
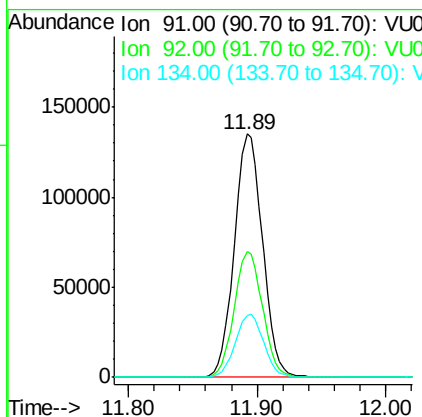
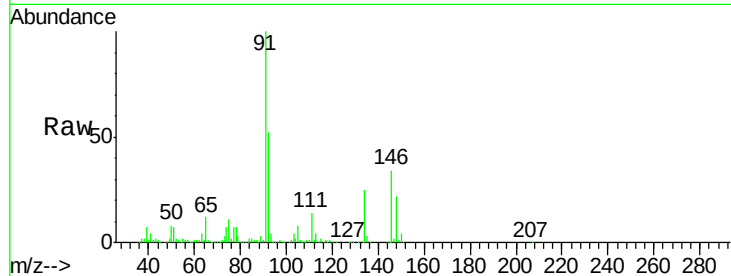
#89
n-Butylbenzene
Concen: 19.340 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Instrument :
MSVOA_U
ClientSampled :
VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.6	76.8
134	26.0	12.3	36.8

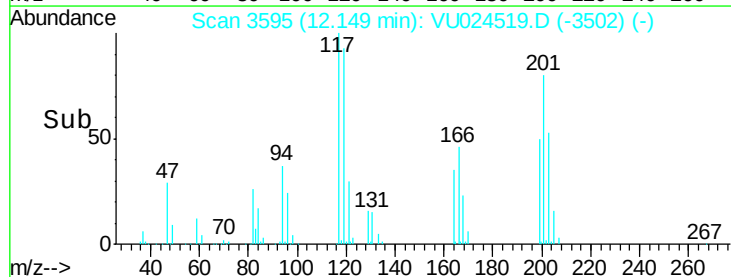
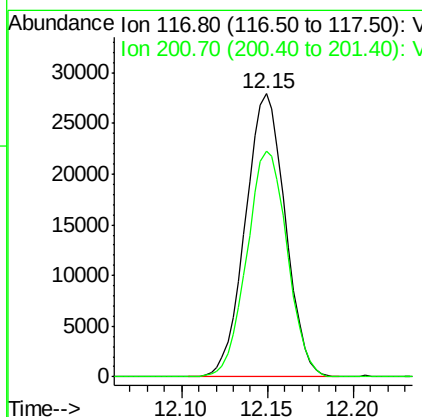
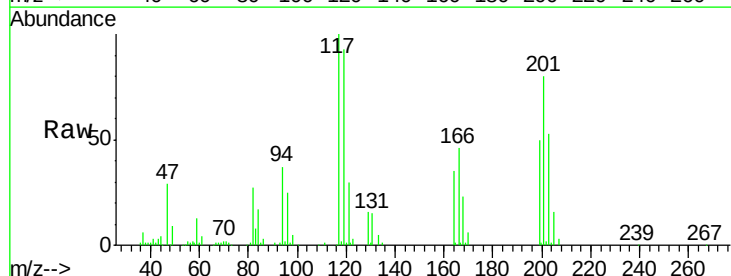
Manual Integrations
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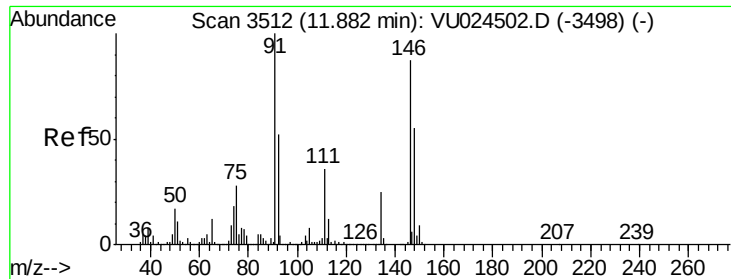
MMDadoda
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#90
Hexachloroethane
Concen: 19.339 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024519.D
Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	41.1	123.3





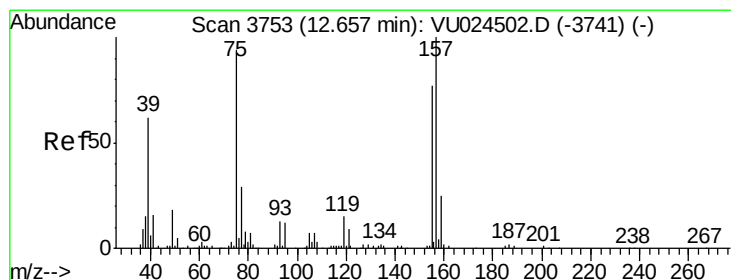
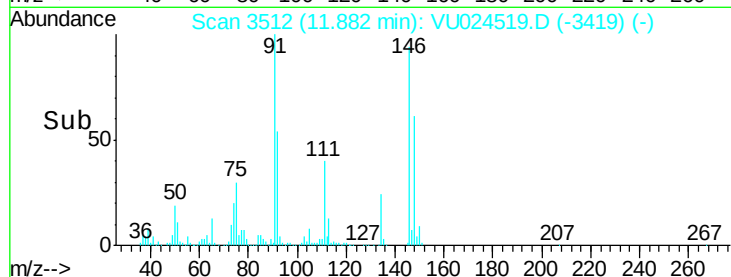
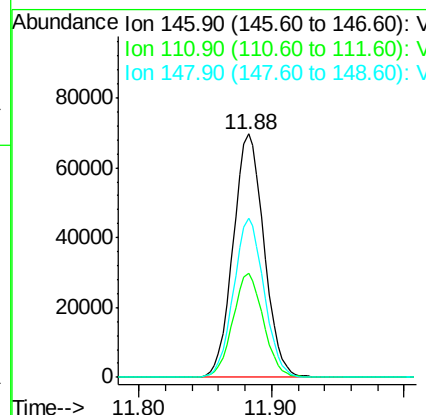
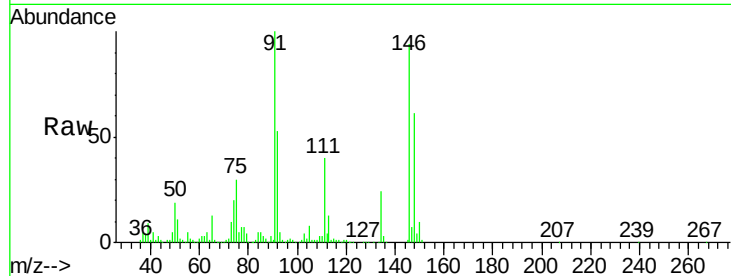
#91
 1,2-Dichlorobenzene
 Concen: 18.883 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.6
148	64.3	31.9	95.7

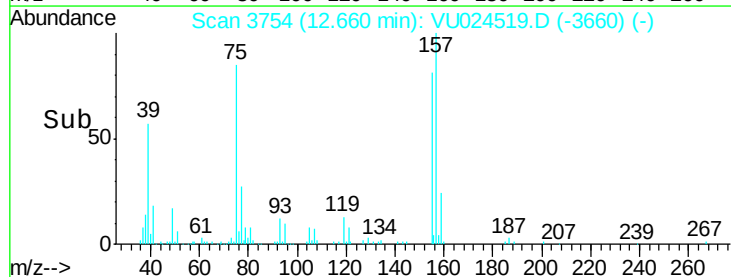
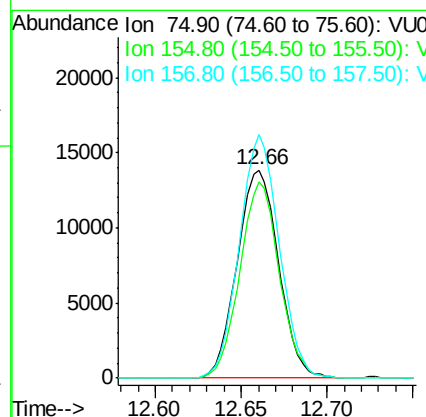
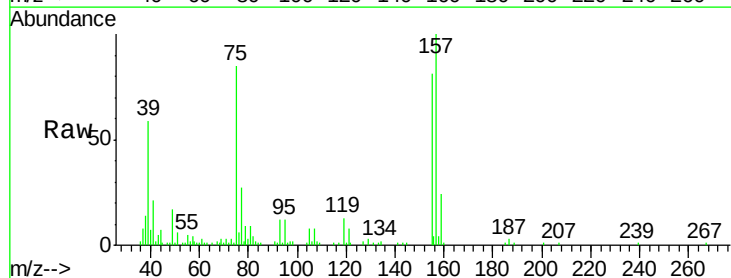
Manual Integrations
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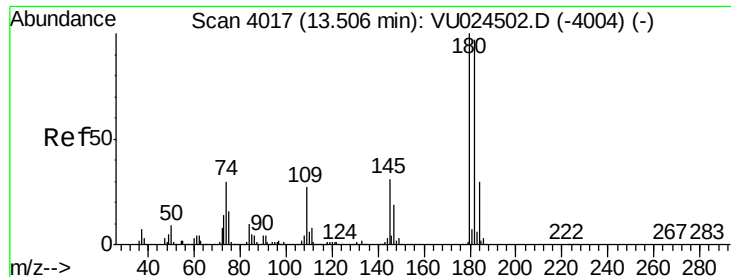
MMDadoda
 6/14/2018 9:45:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.614 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	40.4	121.2
157	112.7	52.3	156.8





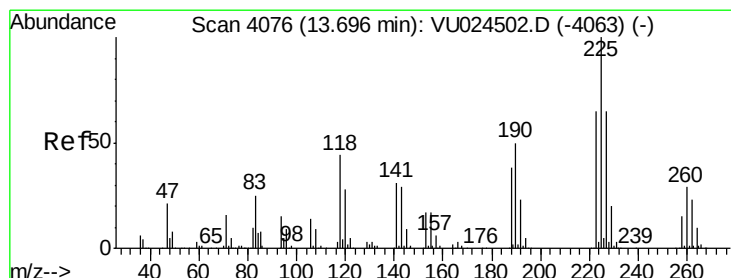
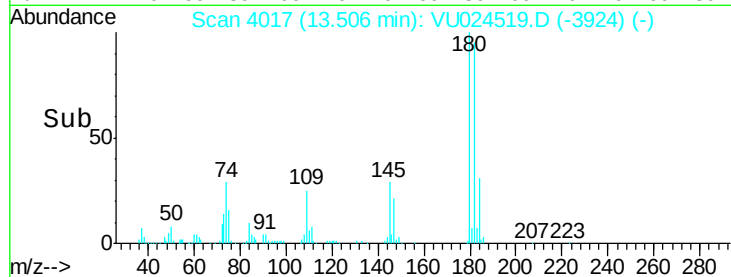
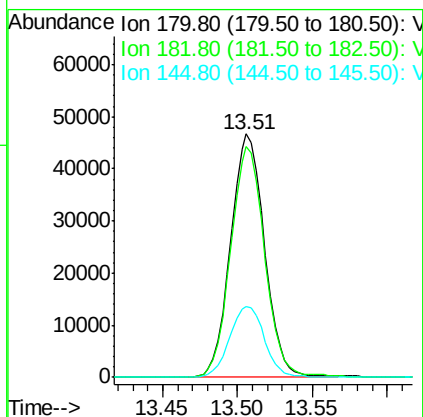
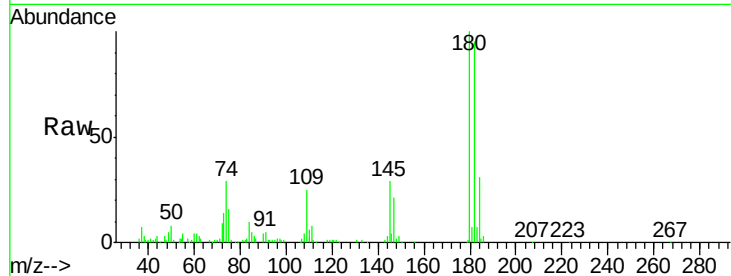
#93
 1,2,4-Trichlorobenzene
 Concen: 19.993 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	30.0	14.7	44.1

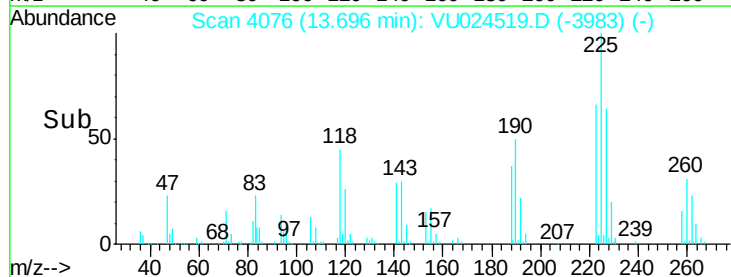
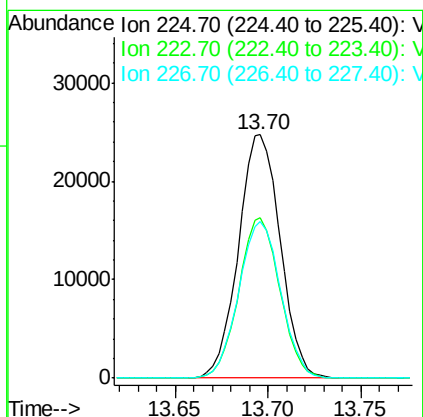
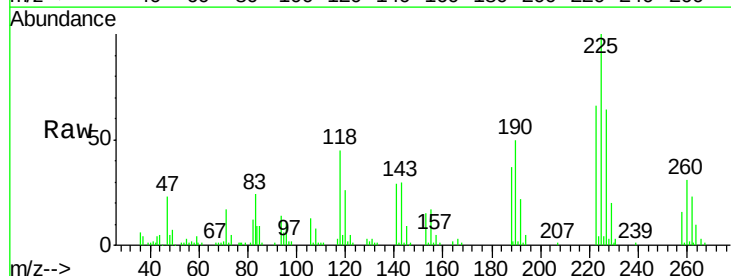
Manual Integrations
 APPROVED

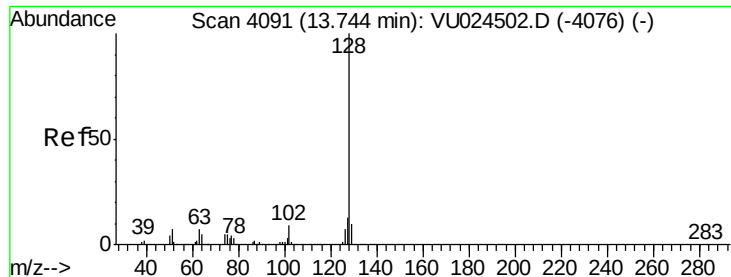
MMDadoda
 6/14/2018 9:45:02 AM



#94
 Hexachlorobutadiene
 Concen: 18.664 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024519.D
 Acq: 13 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.3	93.8
227	64.7	31.8	95.4





#95

Naphthalene

Concen: 19.305 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Instrument :

MSVOA_U

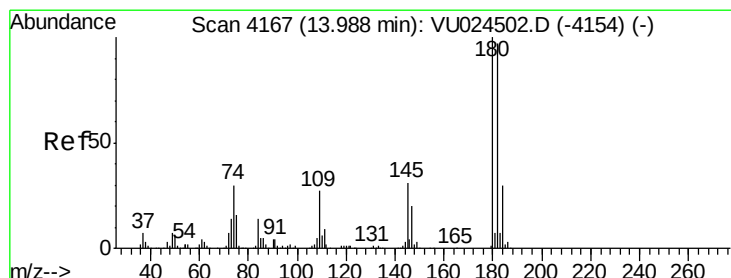
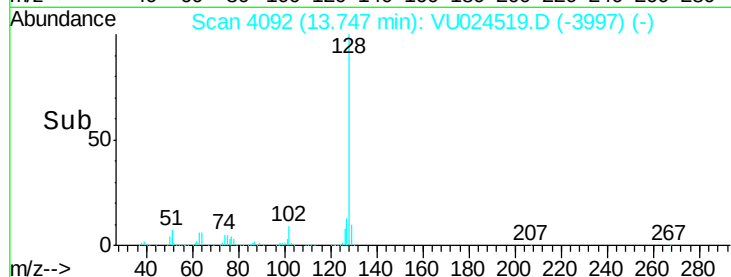
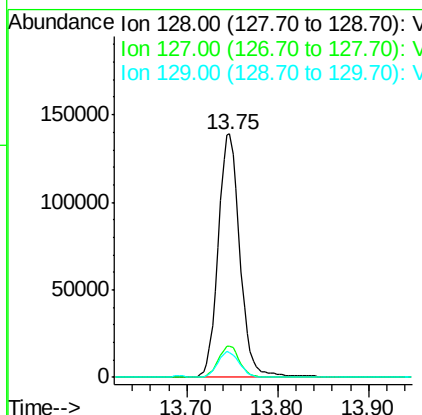
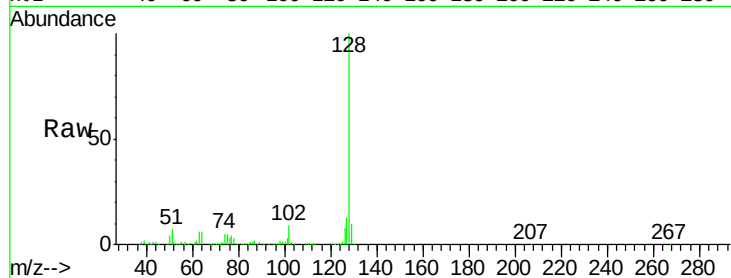
ClientSampleId :

VU0613WBSD01

Tot Ion:	128	Resp:	230711
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:45:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.753 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024519.D

Acq: 13 Jun 2018 19:41

Tgt Ion:	180	Resp:	76324
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.7
145	31.3	15.4	46.1

