

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061318\
 Data File : VU024511.D
 Acq On : 13 Jun 2018 16:36
 Operator : MD/SY
 Sample : VU0613WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:57 AM

Quant Time: Jun 13 17:22:04 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	192743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303840	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166199	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	149070	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
35) Dibromofluoromethane	4.89	113	123847	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
50) Toluene-d8	7.57	98	445711	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	175049	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	44778	18.561	ug/l	99
3) Chloromethane	1.33	50	47329	19.202	ug/l	98
4) Vinyl Chloride	1.41	62	48149	18.942	ug/l	98
5) Bromomethane	1.63	94	25400	20.671	ug/l	96
6) Chloroethane	1.70	64	27721	18.860	ug/l	98
7) Trichlorofluoromethane	1.89	101	72435	18.673	ug/l	98
8) Diethyl Ether	2.10	74	27018	19.311	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44294	18.405	ug/l	100
10) Methyl Iodide	2.41	142	25964	16.688	ug/l	98
11) Tert butyl alcohol	2.82	59	65425	85.492	ug/l	98
12) 1,1-Dichloroethene	2.29	96	41089	18.722	ug/l	91
13) Acrolein	2.20	56	35960	89.483	ug/l	96
14) Allyl chloride	2.60	41	74101	18.185	ug/l	94
15) Acrylonitrile	2.94	53	145712	97.864	ug/l	99
16) Acetone	2.32	43	150052	88.754	ug/l	98
17) Carbon Disulfide	2.48	76	132107	18.799	ug/l	100
18) Methyl Acetate	2.62	43	67927	18.742	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	156899	19.019	ug/l	97
20) Methylene Chloride	2.71	84	49483	18.653	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	44657	18.475	ug/l	98
22) Diisopropyl ether	3.58	45	152589	18.890	ug/l	94
23) Vinyl Acetate	3.53	43	706157	97.588	ug/l	99
24) 1,1-Dichloroethane	3.45	63	88760	19.101	ug/l	98
25) 2-Butanone	4.27	43	218654	96.284	ug/l	96
26) 2,2-Dichloropropane	4.23	77	80313	18.201	ug/l	98
27) cis-1,2-Dichloroethene	4.24	96	53826	19.369	ug/l	98
28) Bromochloromethane	4.55	49	39542	19.319	ug/l	88
29) Tetrahydrofuran	4.64	42	134744	95.814	ug/l	97
30) Chloroform	4.68	83	89405	19.008	ug/l	95
31) Cyclohexane	5.00	56	83098	18.909	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	79848	18.358	ug/l	96
36) 1,1-Dichloropropene	5.14	75	64832	18.158	ug/l	97
37) Ethyl Acetate	4.38	43	79420	20.409	ug/l #	95
38) Carbon Tetrachloride	5.14	117	75284	19.175	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81541	18.301	ug/l	97
40) Benzene	5.40	78	190943	18.769	ug/l	99
41) Methacrylonitrile	4.55	41	43023	20.506	ug/l	99
42) 1,2-Dichloroethane	5.41	62	73047	18.852	ug/l	98
43) Isopropyl Acetate	5.55	43	127333	18.930	ug/l	98
44) Trichloroethene	6.19	130	53646	18.528	ug/l	95
45) 1,2-Dichloropropane	6.44	63	53643	19.761	ug/l	97
46) Dibromomethane	6.56	93	37083	19.449	ug/l	97
47) Bromodichloromethane	6.76	83	72348	19.055	ug/l	99
48) Methyl methacrylate	6.63	41	63474	19.379	ug/l	99
49) 1,4-Dioxane	6.62	88	21825	340.724	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	410511	97.141	ug/l	98
52) Toluene	7.64	92	121988	18.638	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	80159	18.800	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	84167	18.525	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48329	18.165	ug/l	98
56) Ethyl methacrylate	8.02	69	86601	19.447	ug/l	100
57) 1,3-Dichloropropane	8.25	76	86634	19.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	170142	99.730	ug/l	97
59) 2-Hexanone	8.36	43	326608	94.667	ug/l	99
60) Dibromochloromethane	8.48	129	59925	18.062	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57120	19.289	ug/l	96
64) Tetrachloroethene	8.23	164	44818	16.565	ug/l	94
65) Chlorobenzene	9.12	112	140175	19.278	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	51708	18.718	ug/l	98
67) Ethyl Benzene	9.25	91	243044	19.066	ug/l	100
68) m/p-Xylenes	9.38	106	186040	38.007	ug/l	97
69) o-Xylene	9.78	106	91585	18.906	ug/l	97
70) Styrene	9.80	104	151024	18.971	ug/l	98
71) Bromoform	9.96	173	48755	18.568	ug/l #	97
73) Isopropylbenzene	10.17	105	246271	19.300	ug/l	99
74) N-amyl acetate	10.01	43	116237	19.152	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	83214	19.461	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	78544m	21.465	ug/l	
77) Bromobenzene	10.46	156	61298	18.975	ug/l	97
78) n-propylbenzene	10.59	91	288508	19.194	ug/l	97
79) 2-Chlorotoluene	10.66	91	166336	18.765	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	206979	18.715	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	31178m	19.720	ug/l	
82) 4-Chlorotoluene	10.78	91	196319	19.029	ug/l	100
83) tert-Butylbenzene	11.10	119	207998	19.551	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	212920	18.891	ug/l	100
85) sec-Butylbenzene	11.33	105	253257	19.018	ug/l	98
86) p-Isopropyltoluene	11.48	119	221462	18.569	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	111280	18.646	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113983	18.975	ug/l	99
89) n-Butylbenzene	11.89	91	202351	19.110	ug/l	97
90) Hexachloroethane	12.15	117	43298	18.610	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	112744	18.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22532	19.097	ug/l	92

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	75456	20.441	ug/l	99
94) Hexachlorobutadiene	13.70	225	39724	19.119	ug/l	99
95) Naphthalene	13.75	128	228143	19.094	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76926	20.913	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion:168 Resp: 192743

Ion Ratio Lower Upper

168 100

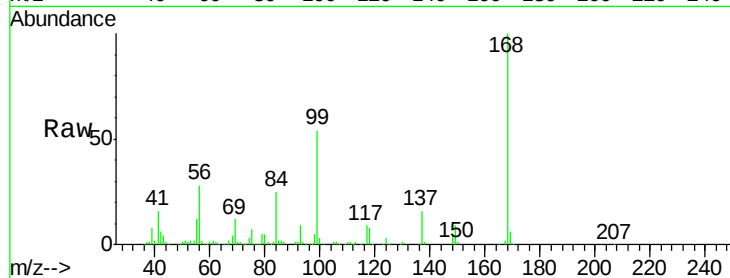
99 53.4 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): VU024511.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024511.D (-1275) (-)

4.99

80000

60000

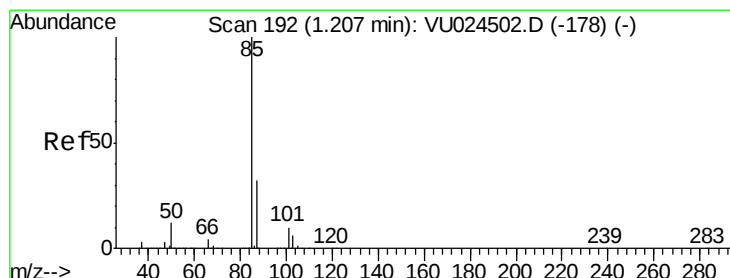
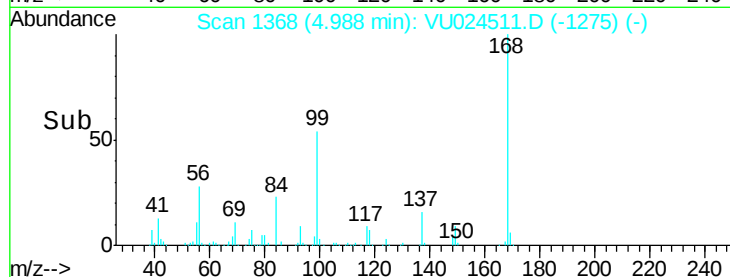
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.561 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024511.D

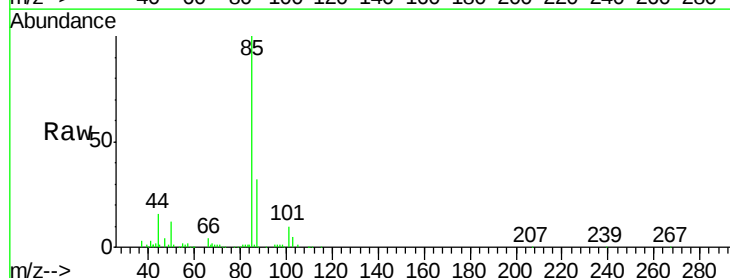
Acq: 13 Jun 2018 16:36

Tgt Ion: 85 Resp: 44778

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024511.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU024511.D (-99) (-)

1.21

50000

40000

30000

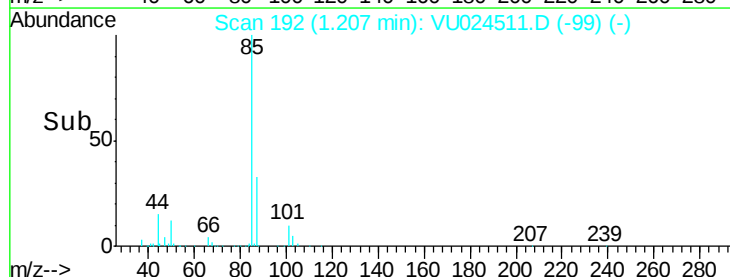
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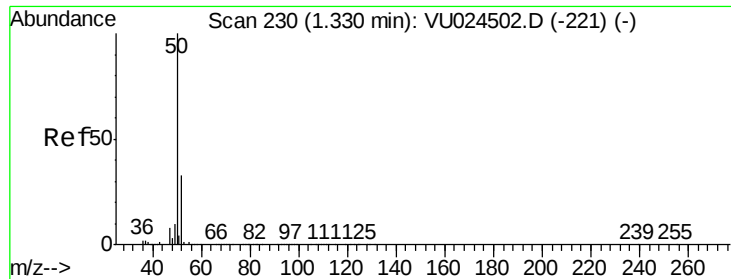
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.202 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 50 Resp: 47329

Ion Ratio Lower Upper

50 100

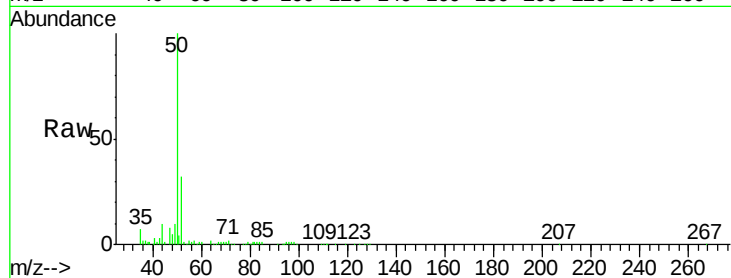
52 31.6 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

50000

40000

30000

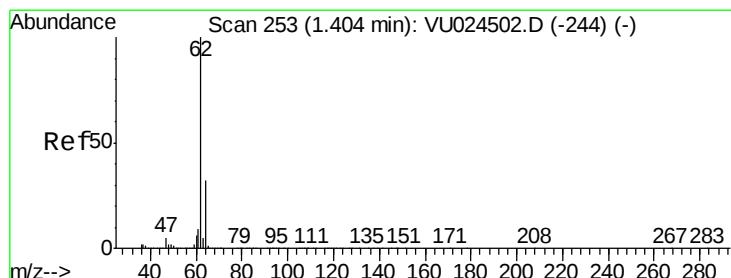
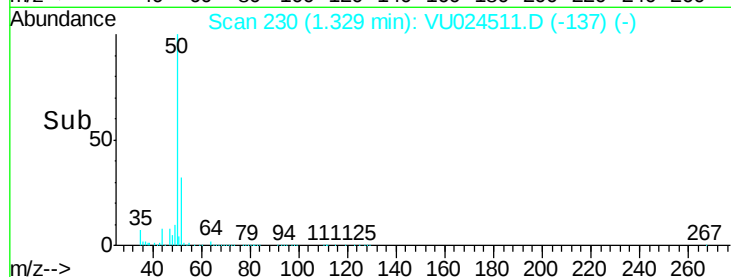
20000

10000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 18.942 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024511.D

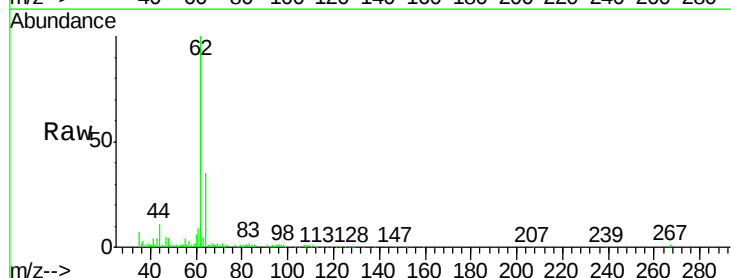
Acq: 13 Jun 2018 16:36

Tgt Ion: 62 Resp: 48149

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

50000

40000

30000

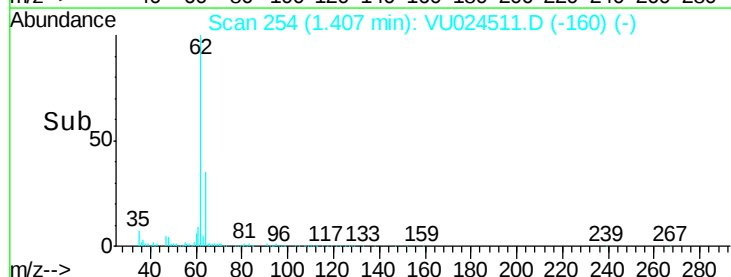
20000

10000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 20.671 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 94 Resp: 25400

Ion Ratio Lower Upper

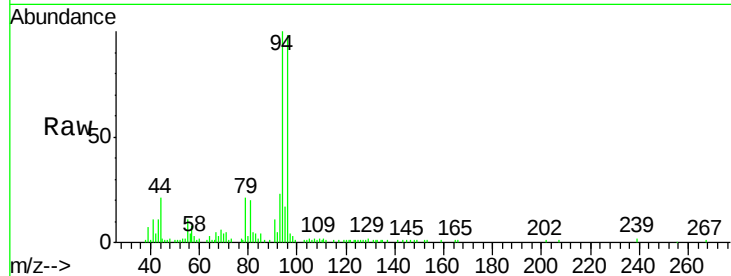
94 100

96 96.7 74.5 111.7

Manual Integrations
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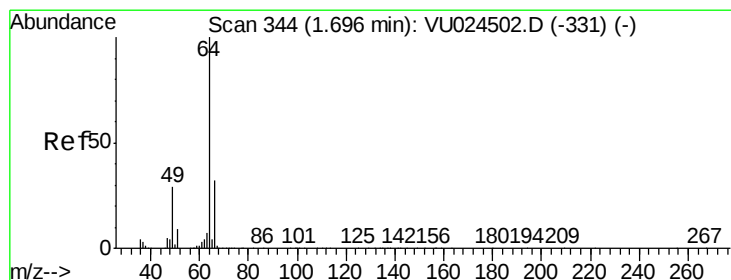
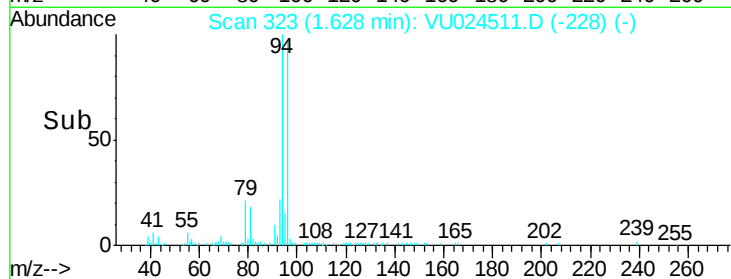
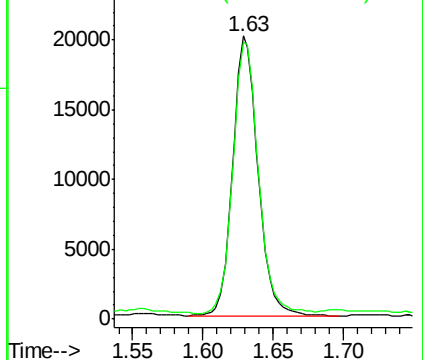
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.860 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024511.D

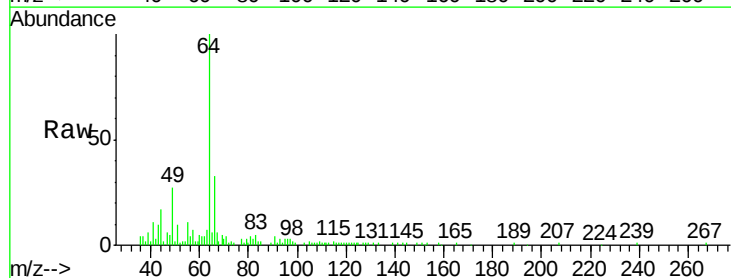
Acq: 13 Jun 2018 16:36

Tgt Ion: 64 Resp: 27721

Ion Ratio Lower Upper

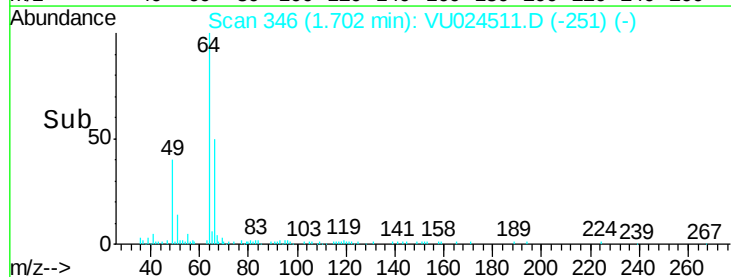
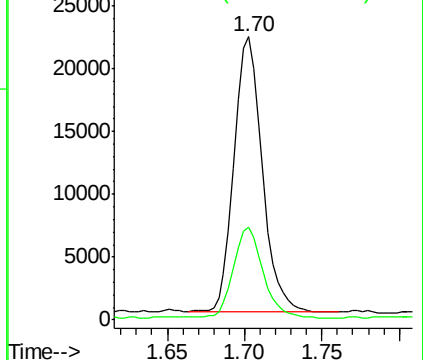
64 100

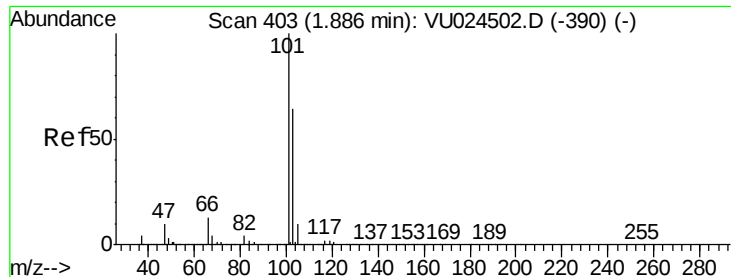
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

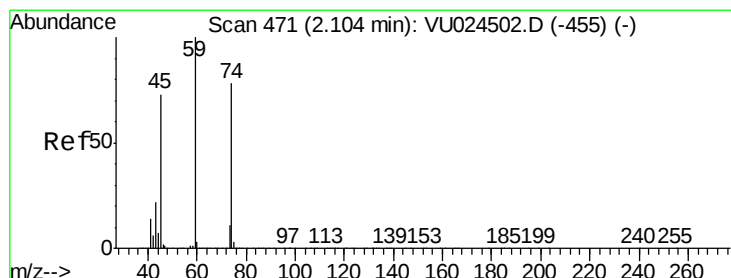
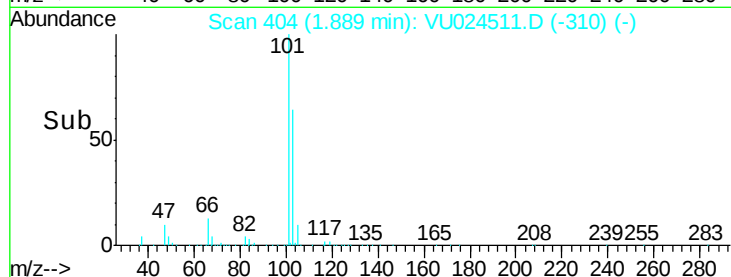
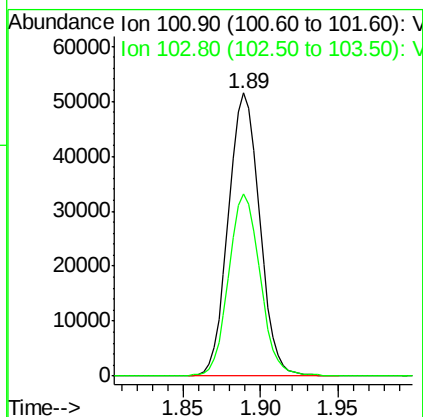
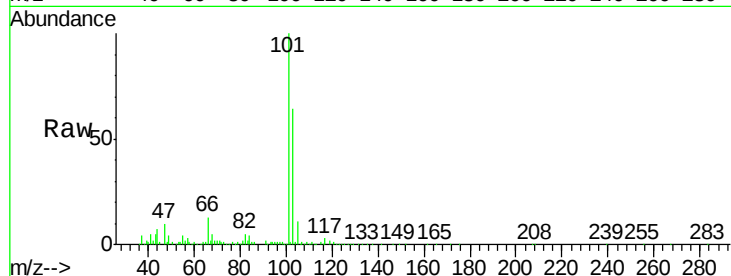
Trichlorofluoromethane
Concen: 18.673 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

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ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.3	78.5

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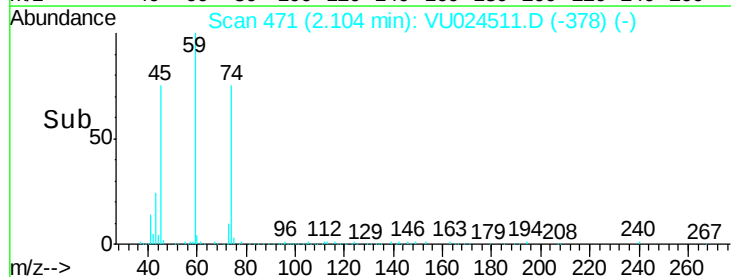
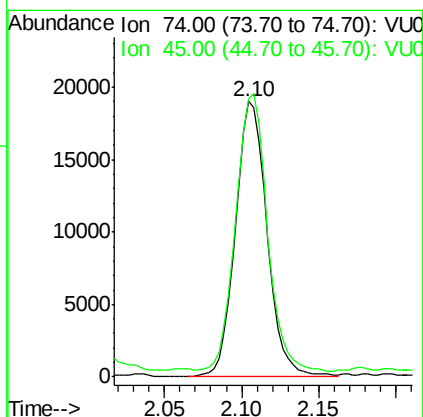
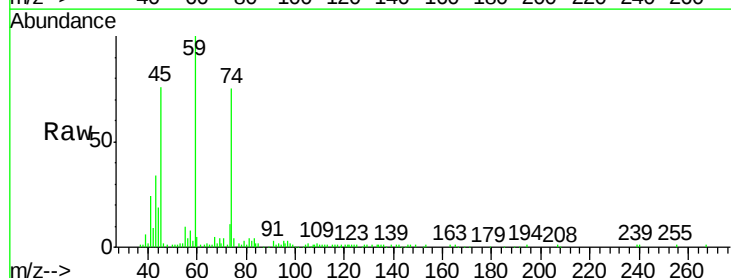
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#8

Diethyl Ether
Concen: 19.311 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.405 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

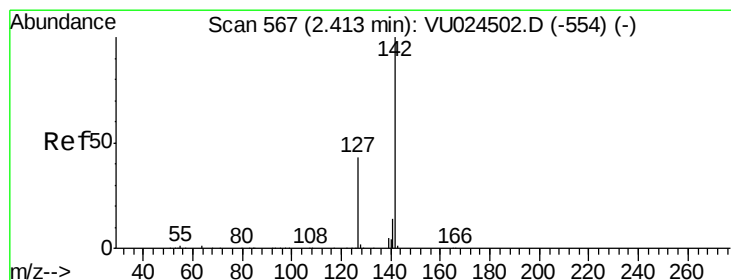
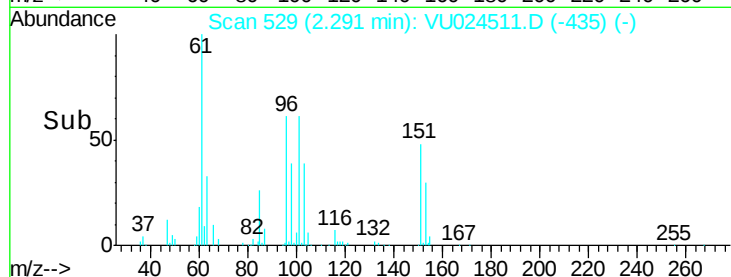
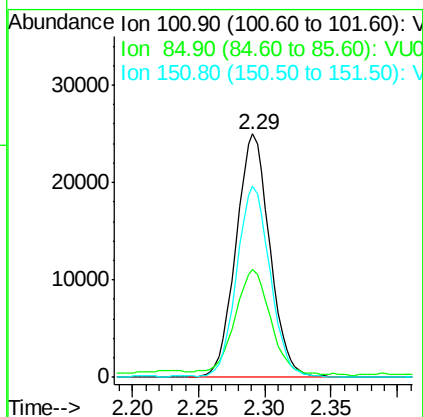
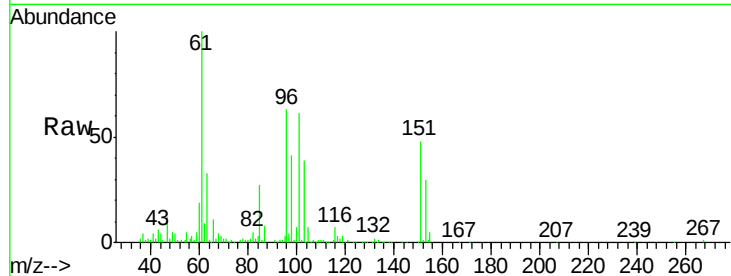
ClientSampleId :

VU0613WBS01

Tot Ion:	101	Resp:	44294
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	77.8	62.3	93.5

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#10

Methyl Iodide

Concen: 16.688 ug/l

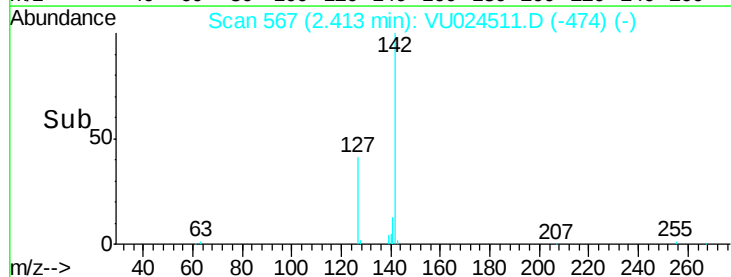
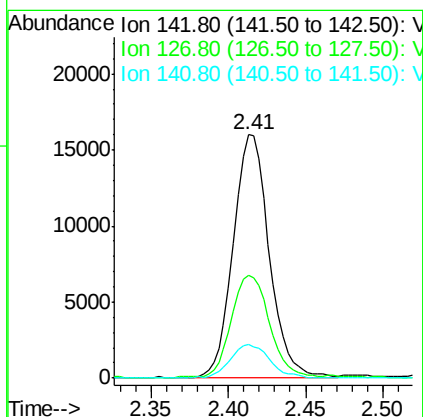
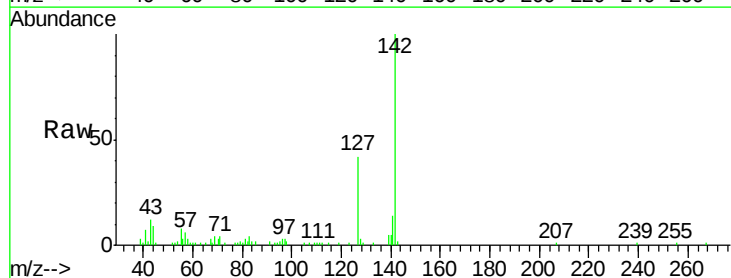
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	142	Resp:	25964
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.6	53.4
141	15.0	11.7	17.5





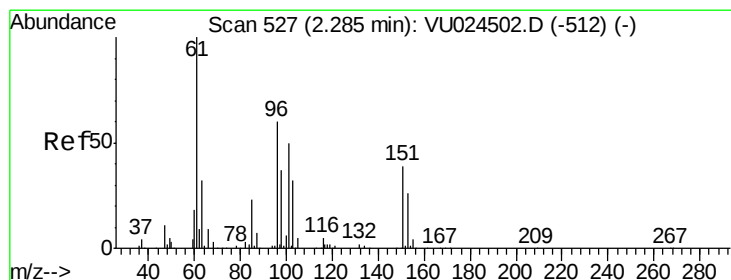
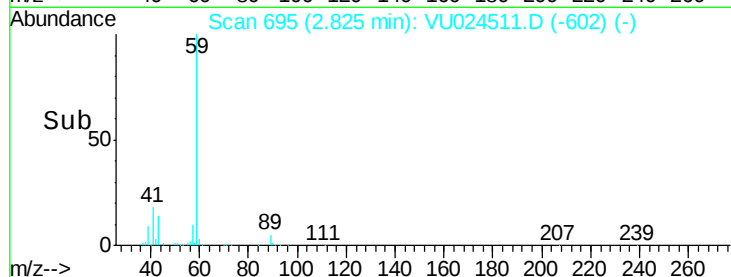
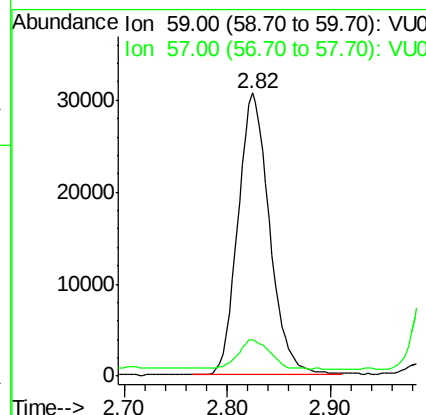
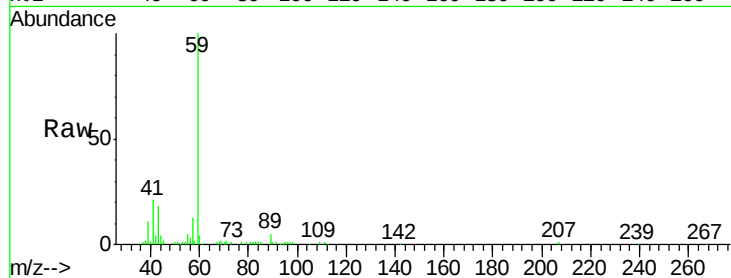
#11
Tert butyl alcohol
Concen: 85.492 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

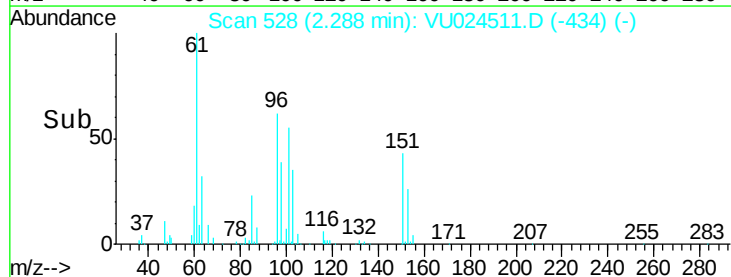
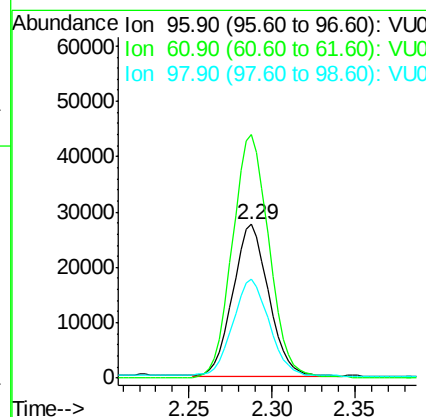
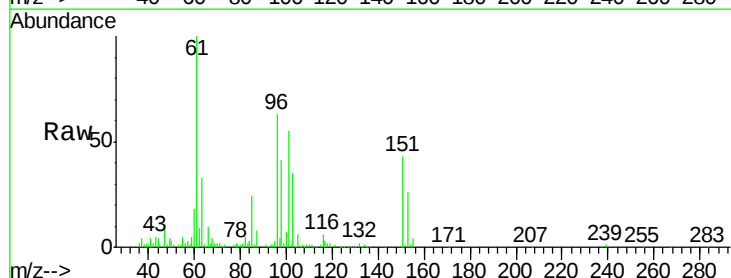
Manual Integrations
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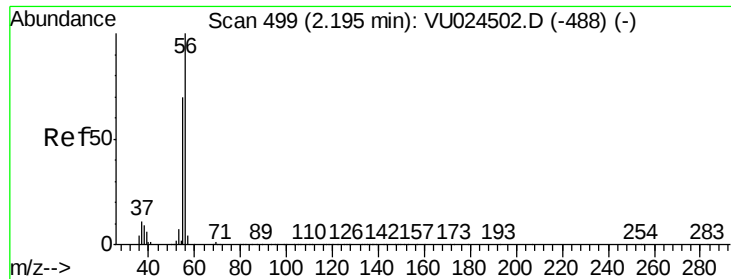
MMDadoda
6/14/2018 9:44:57 AM



#12
1,1-Dichloroethene
Concen: 18.722 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	141.7	212.5
98	63.7	51.6	77.4





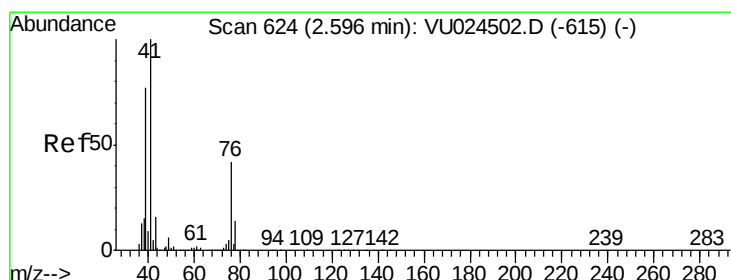
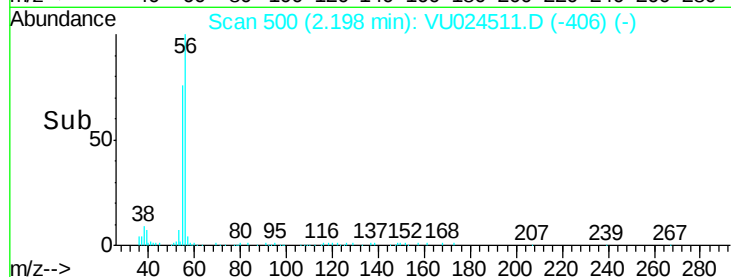
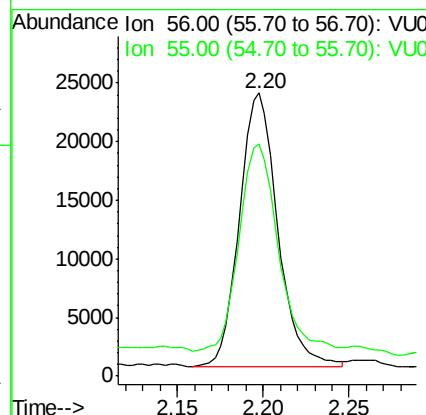
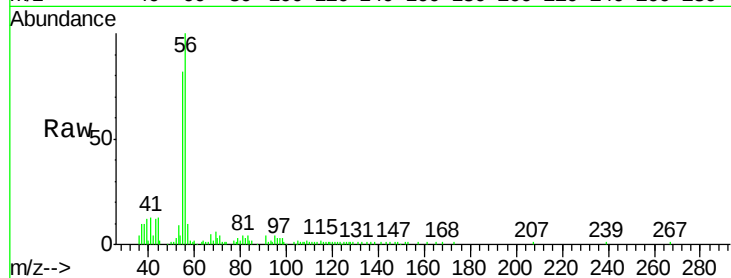
#13
 Acrolein
 Concen: 89.483 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.6	58.4	87.6

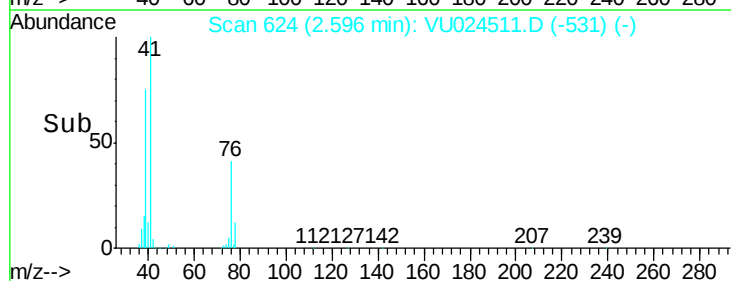
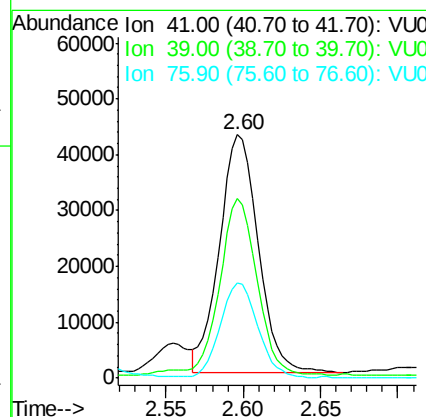
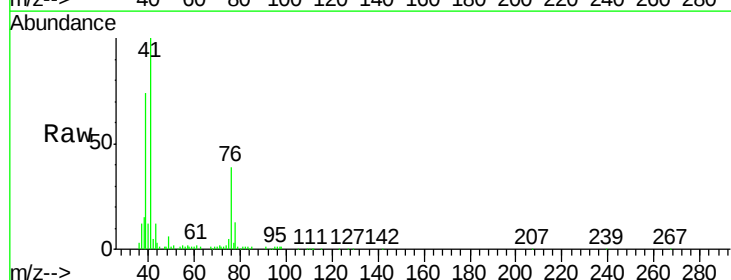
Manual Integrations
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#14
 Allyl chloride
 Concen: 18.185 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.5	61.6	92.4
76	38.4	29.7	44.5





#15

Acrylonitrile

Concen: 97.864 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

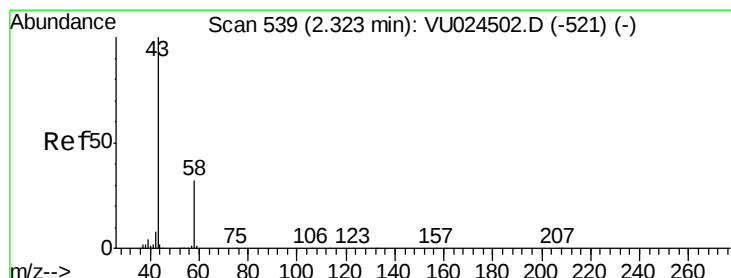
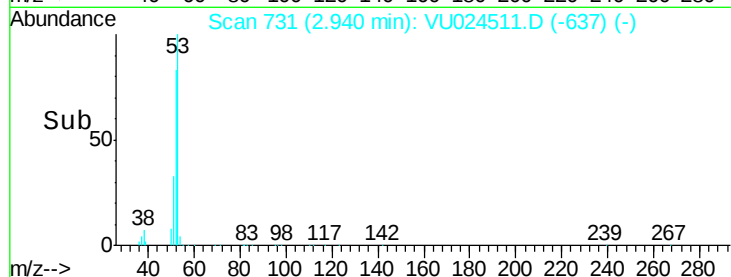
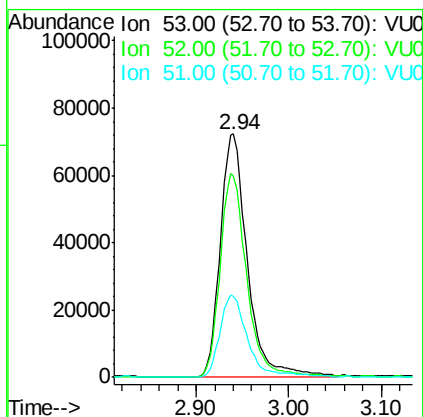
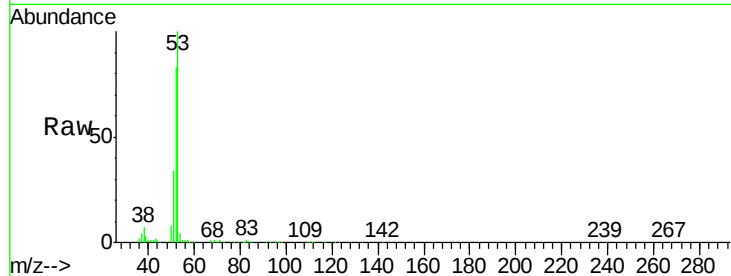
ClientSampleId :

VU0613WBS01

Tot Ion:	53	Resp:	145712
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.1	100.7
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 88.754 ug/l

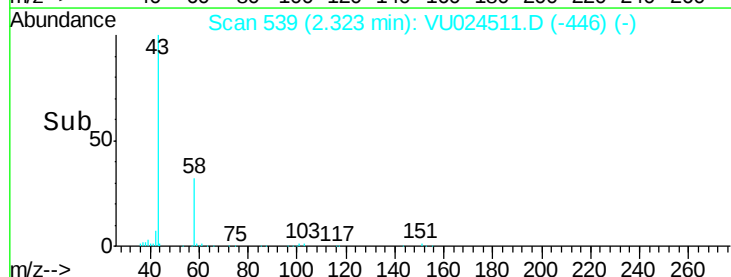
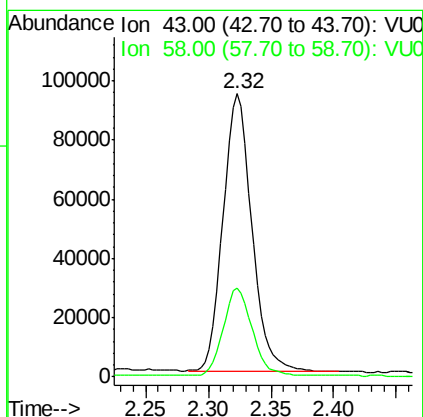
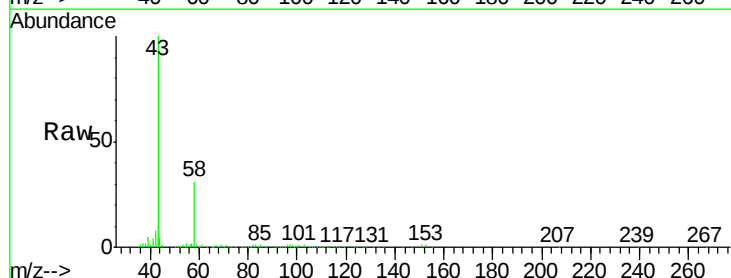
RT: 2.32 min Scan# 539

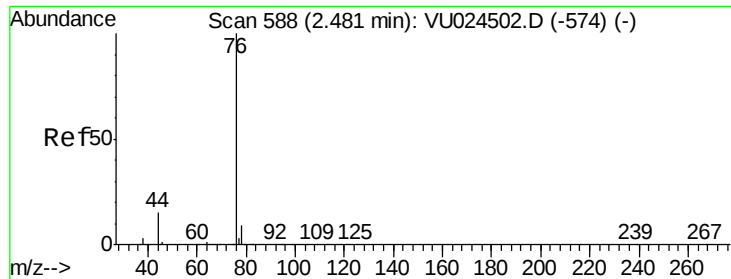
Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	43	Resp:	150052
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.4	36.6





#17

Carbon Disulfide

Concen: 18.799 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 76 Resp: 132107

Ion Ratio Lower Upper

76 100

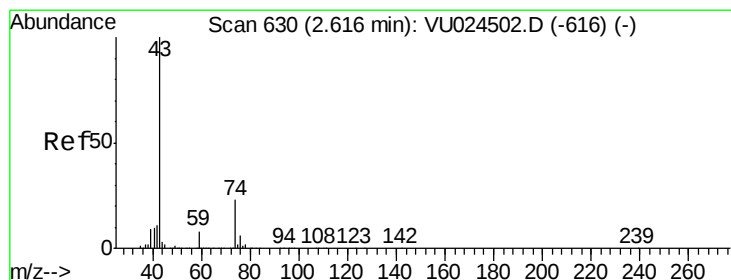
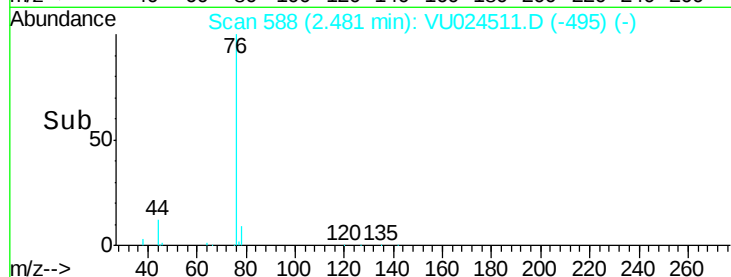
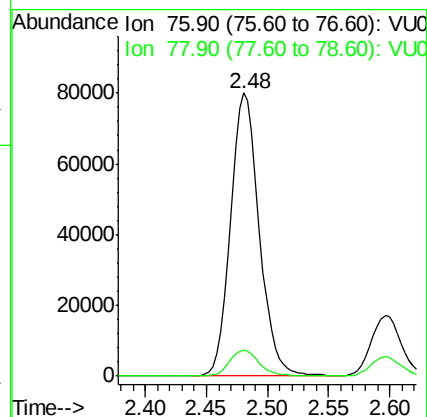
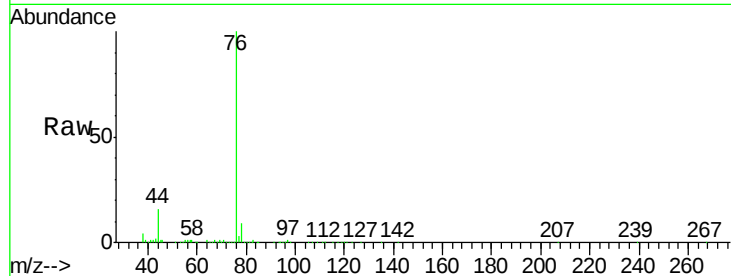
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 18.742 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU024511.D

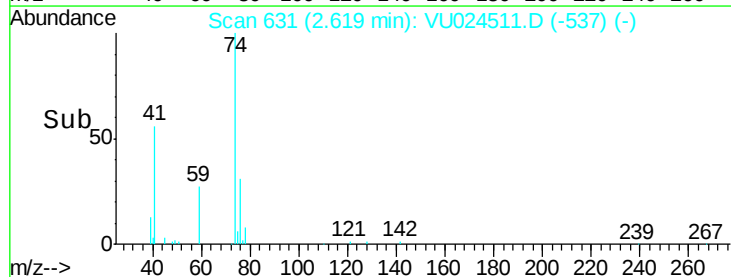
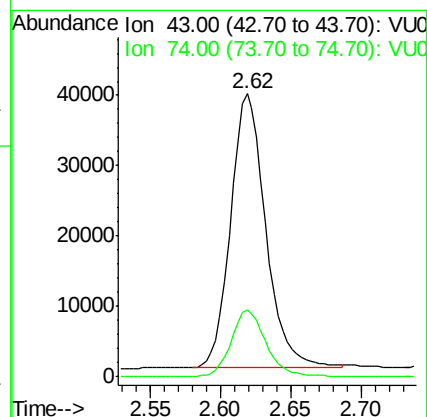
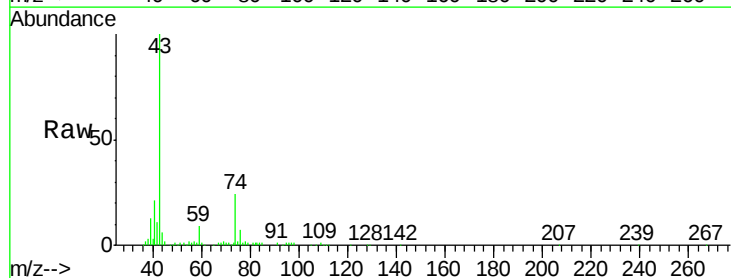
Acq: 13 Jun 2018 16:36

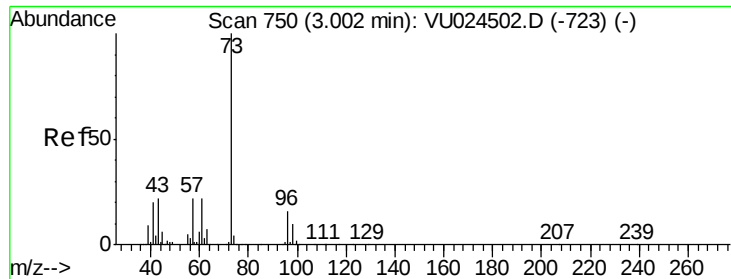
Tgt Ion: 43 Resp: 67927

Ion Ratio Lower Upper

43 100

74 24.6 18.0 27.0





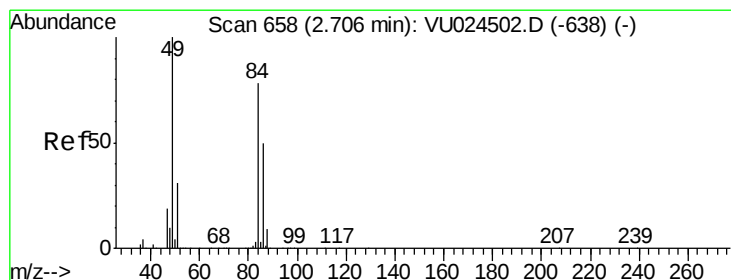
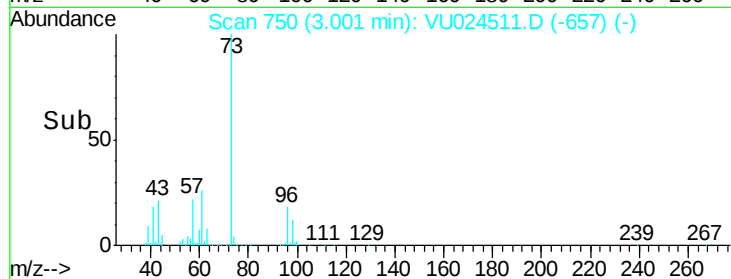
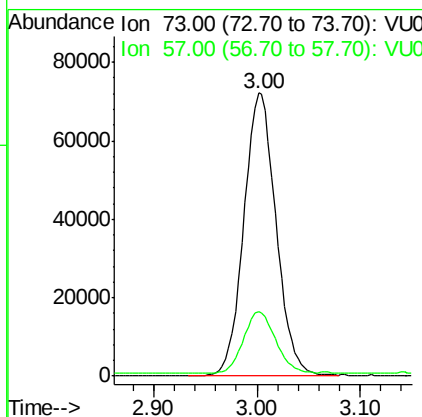
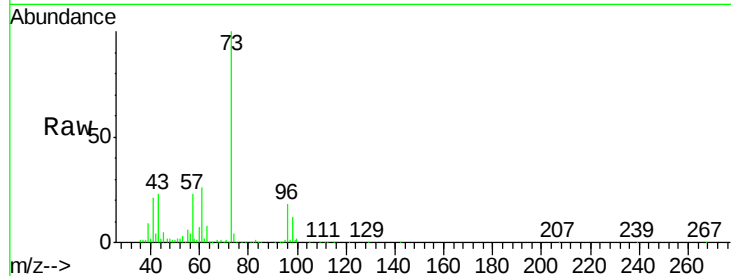
#19
Methvl tert-butvl Ether
Concen: 19.019 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.8	28.2

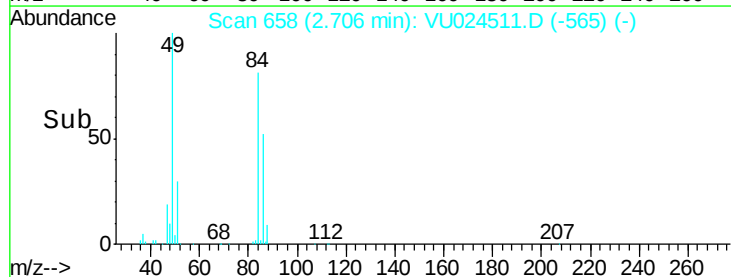
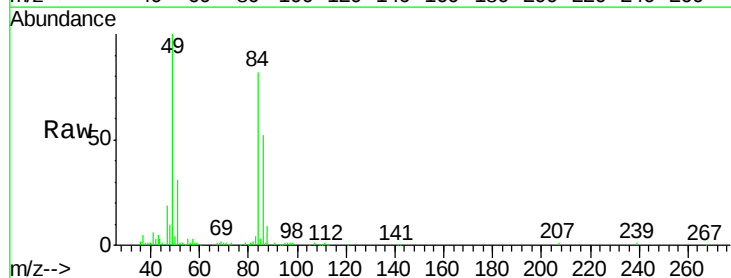
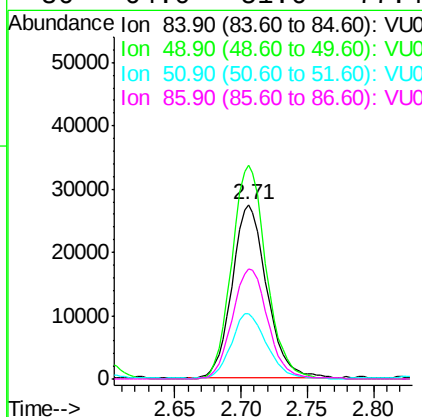
Manual Integrations
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#20
Methylene Chloride
Concen: 18.653 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	103.8	155.8
51	37.9	32.0	48.0
86	64.0	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 18.475 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

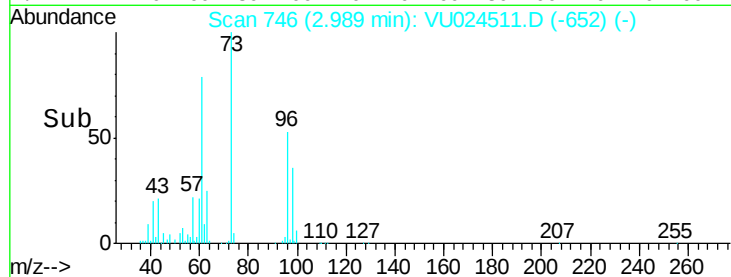
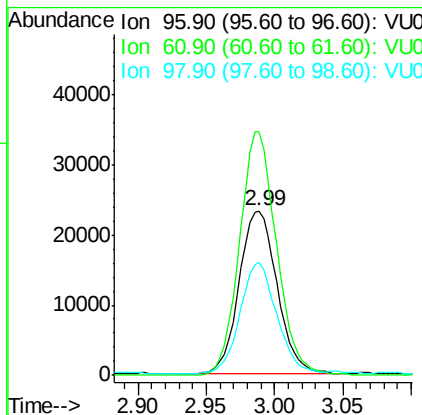
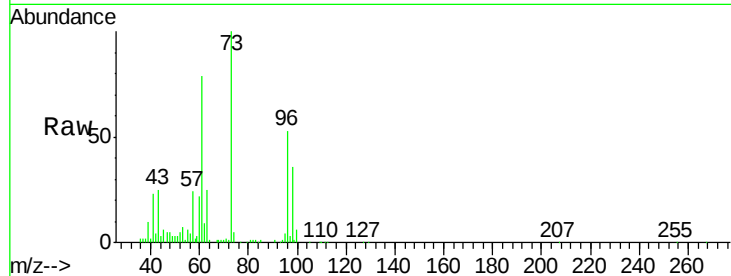
ClientSampleId :

VU0613WBS01

Tot Ion:	96	Resp:	44657
Ion	Ratio	Lower	Upper
96	100		
61	149.5	119.4	179.0
98	67.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.890 ug/l

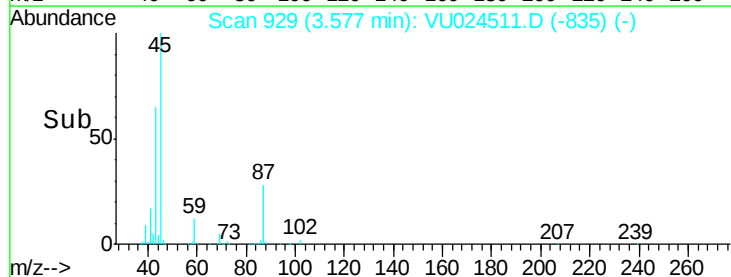
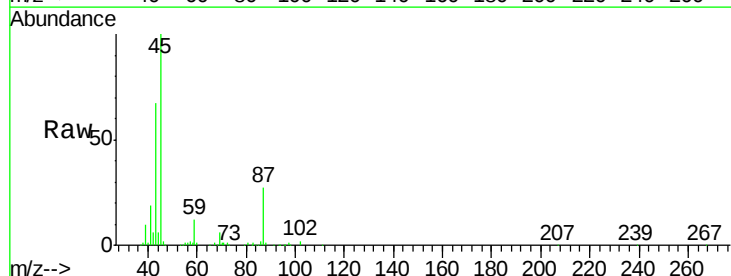
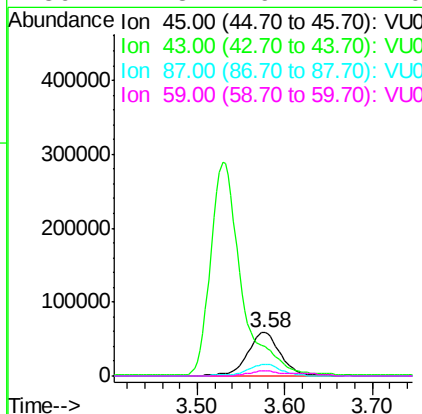
RT: 3.58 min Scan# 929

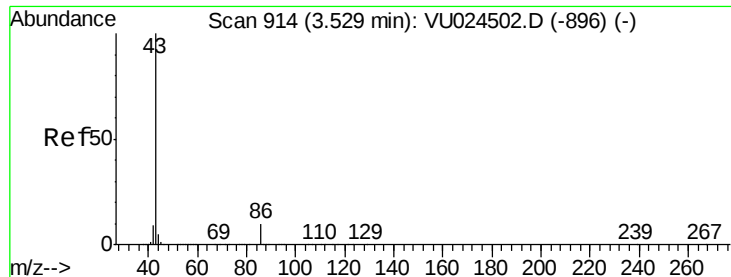
Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	45	Resp:	152589
Ion	Ratio	Lower	Upper
45	100		
43	63.2	45.8	68.6
87	27.5	20.6	31.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 97.588 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 43 Resp: 706157

Ion Ratio Lower Upper

43 100

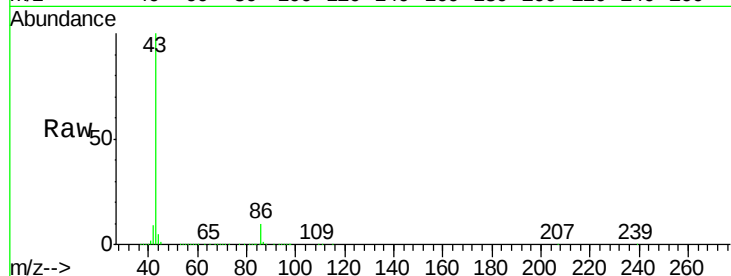
86 10.2 7.8 11.8

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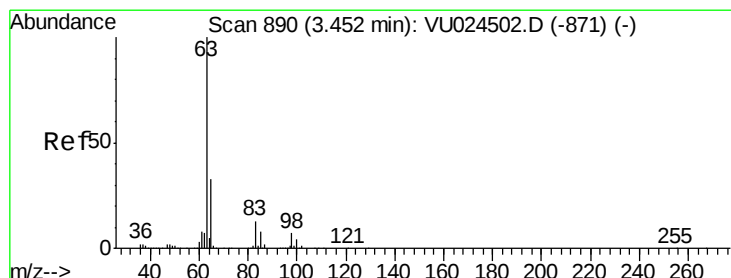
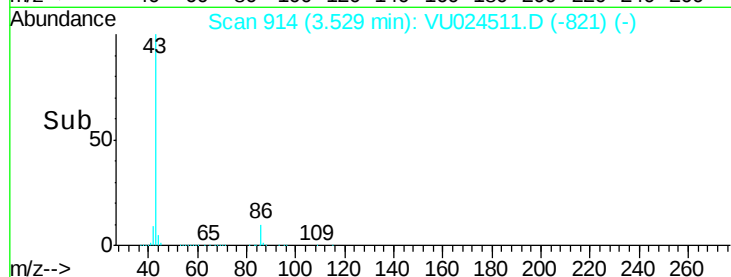
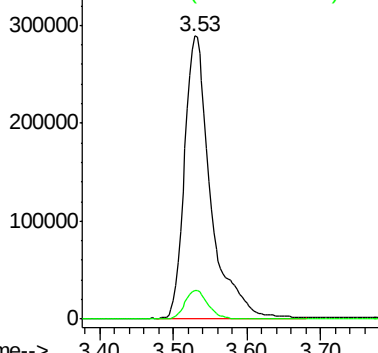
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 19.101 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

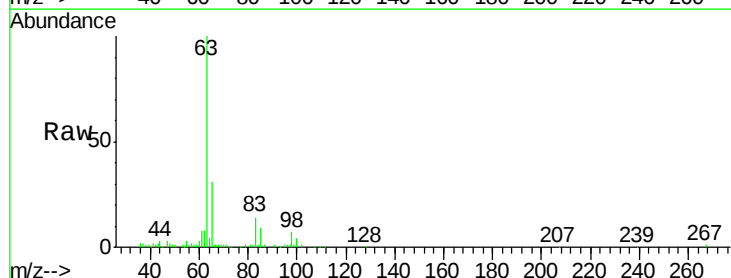
Tgt Ion: 63 Resp: 88760

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

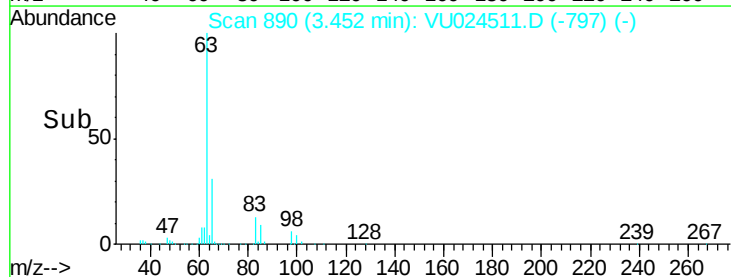
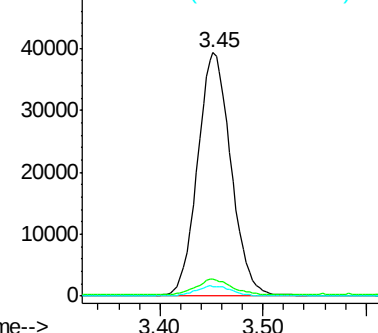
100 4.1 1.8 5.5

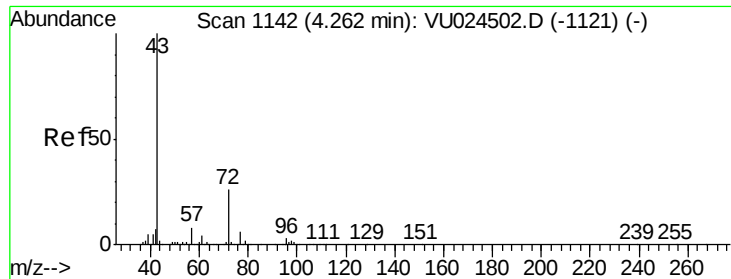


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





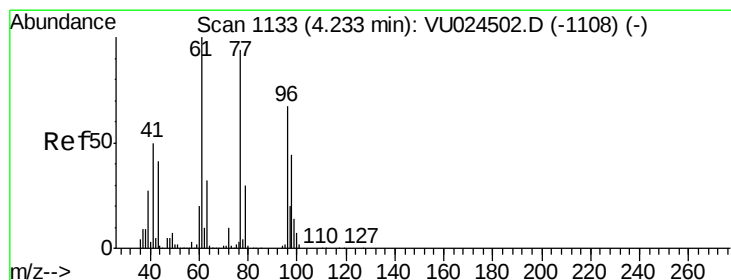
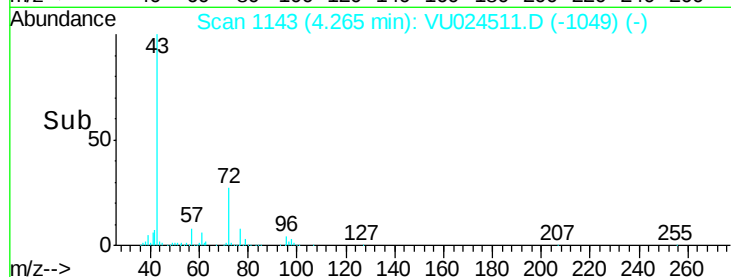
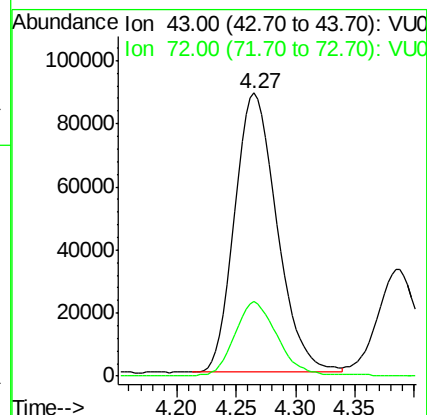
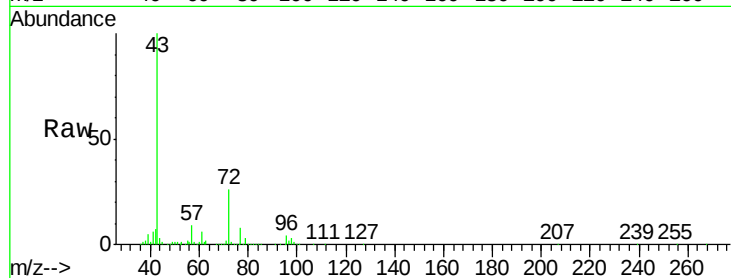
#25
2-Butanone
Concen: 96.284 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampled :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.6	29.4

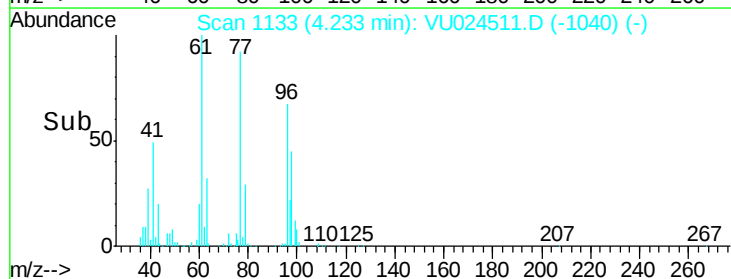
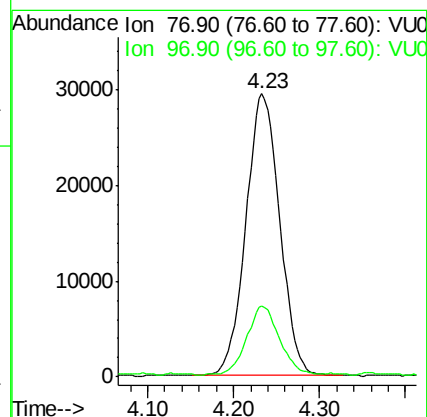
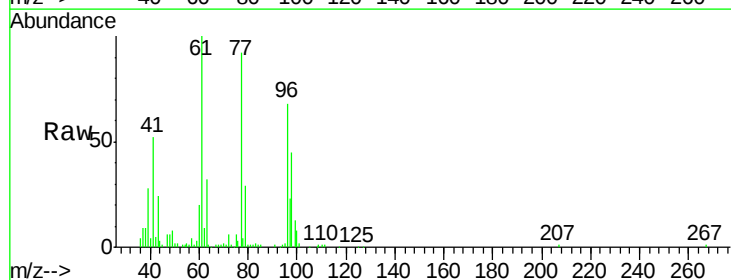
Manual Integrations
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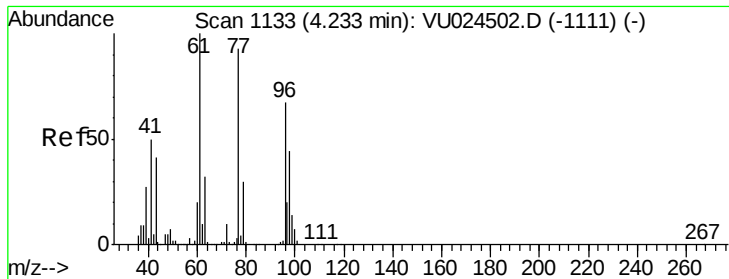
MMDadoda
6/14/2018 9:44:57 AM



#26
2,2-Dichloropropane
Concen: 18.201 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 19.369 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

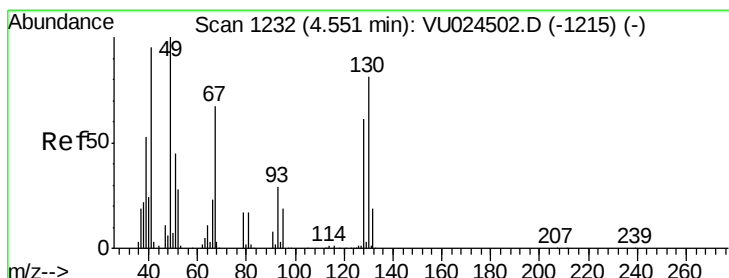
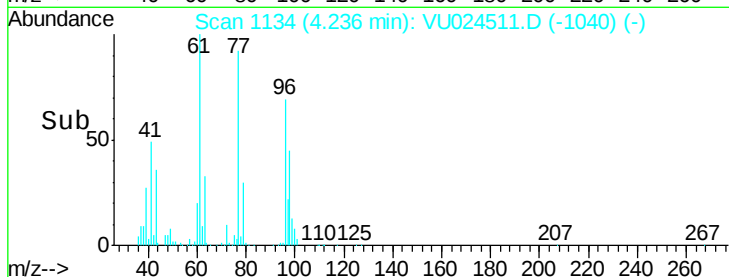
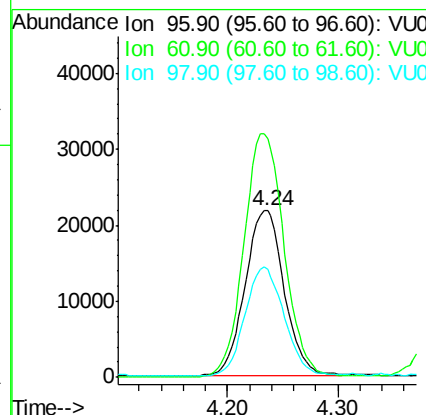
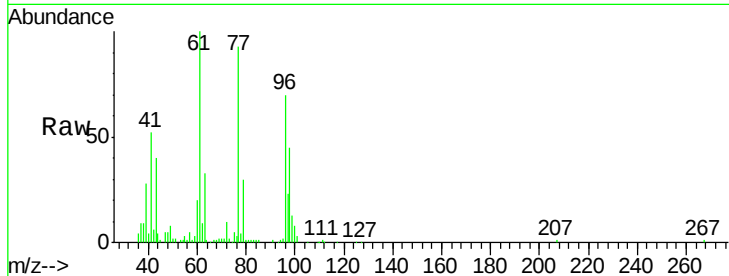
ClientSampleId :

VU0613WBS01

Tot Ion:	96	Resp:	53826
Ion Ratio	Lower	Upper	
96	100		
61	150.5	0.0	306.6
98	65.4	0.0	128.8

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#28

Bromochloromethane

Concen: 19.319 ug/l

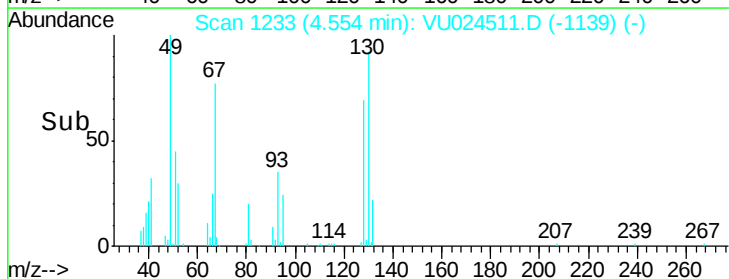
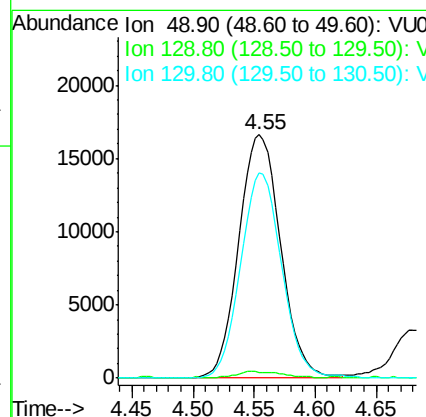
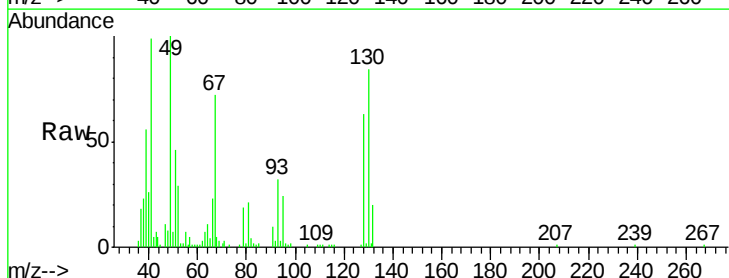
RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	49	Resp:	39542
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	82.9	57.8	86.6





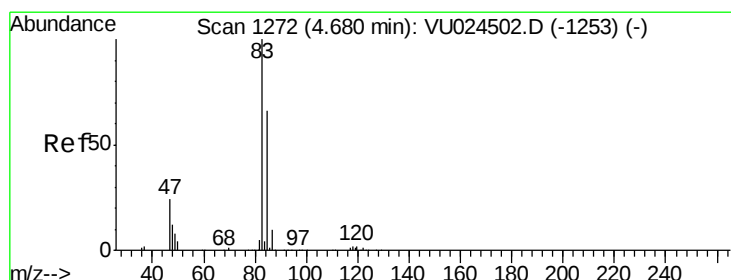
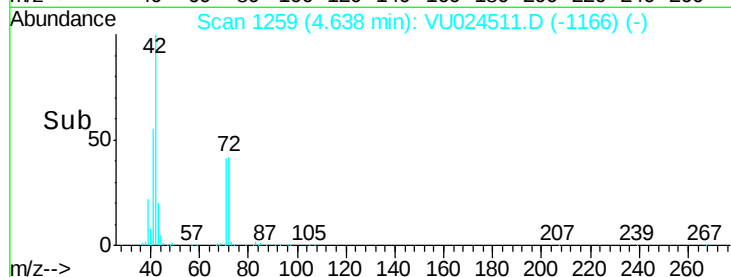
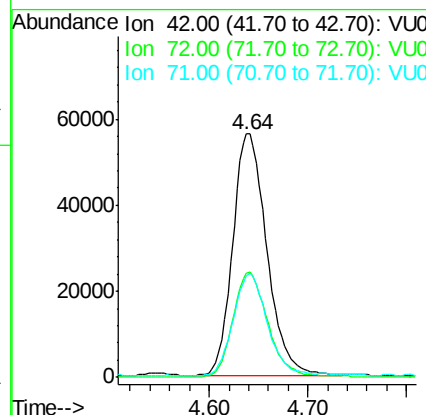
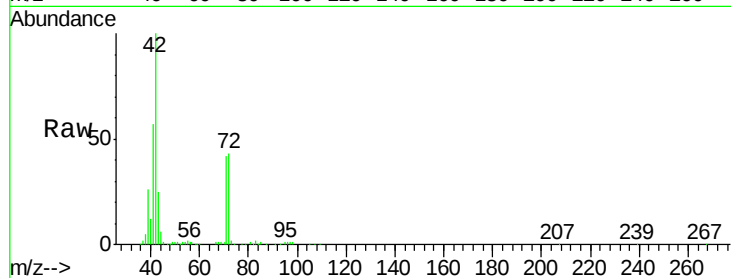
#29
Tetrahydrofuran
Concen: 95.814 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	42.3	32.2	48.4

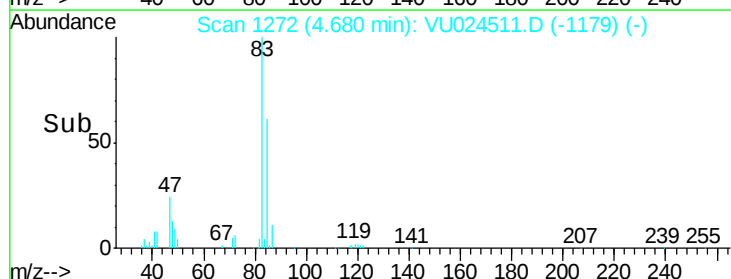
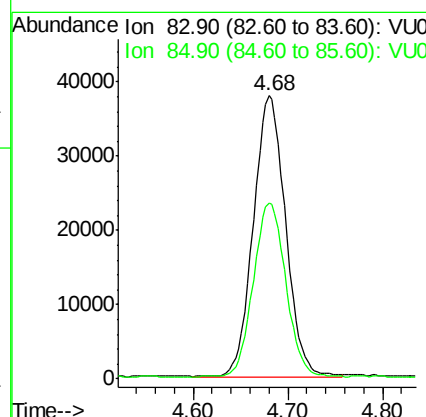
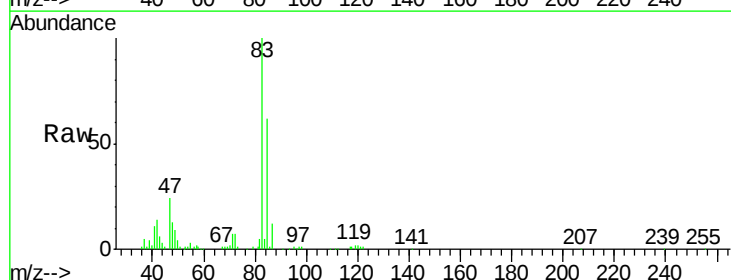
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#30
Chloroform
Concen: 19.008 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.4	78.6





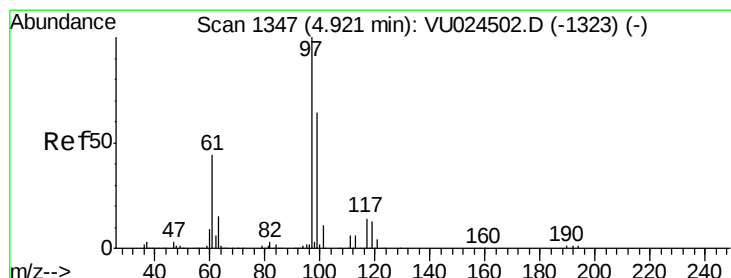
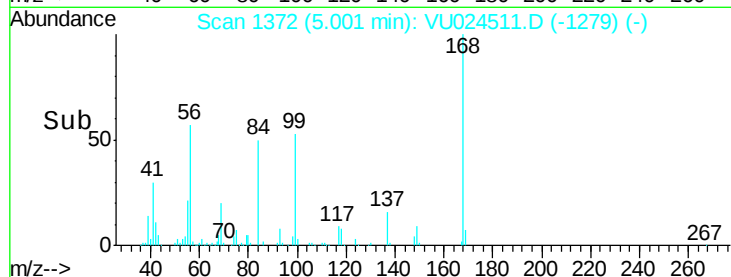
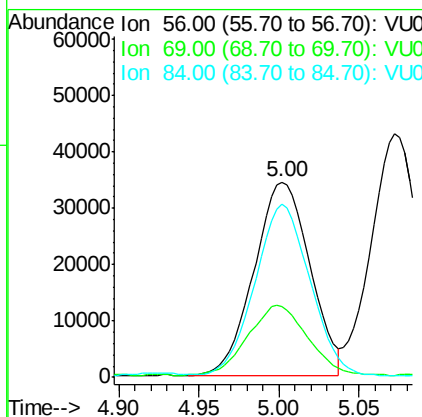
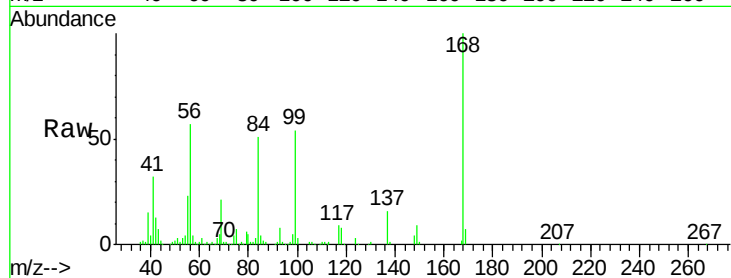
#31
Cyclohexane
Concen: 18.909 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	24.8	37.2
84	87.6	65.2	97.8

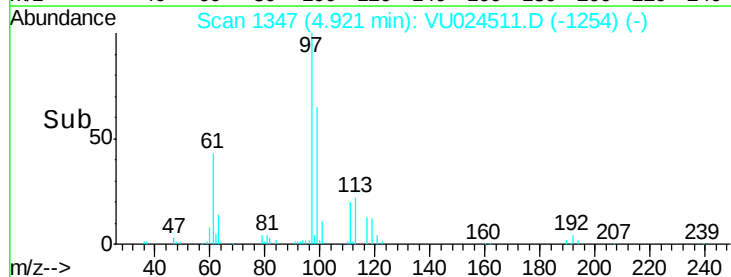
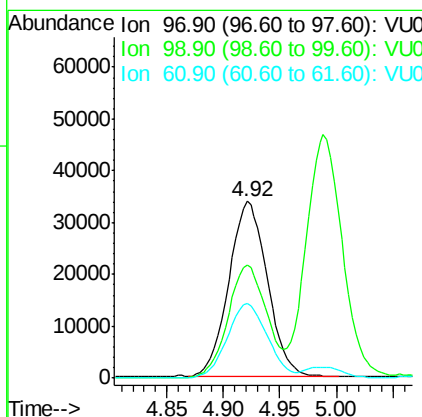
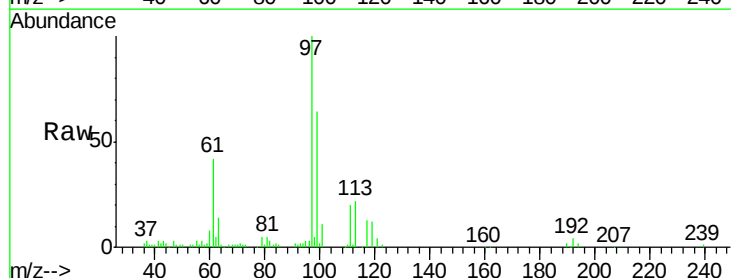
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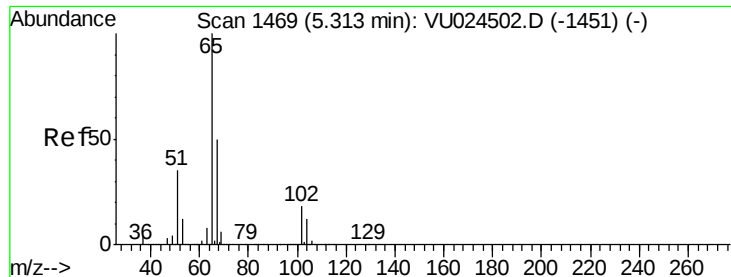
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#32
1,1,1-Trichloroethane
Concen: 18.358 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.6
61	44.3	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 47.375 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 65 Resp: 149070

Ion Ratio Lower Upper

65 100

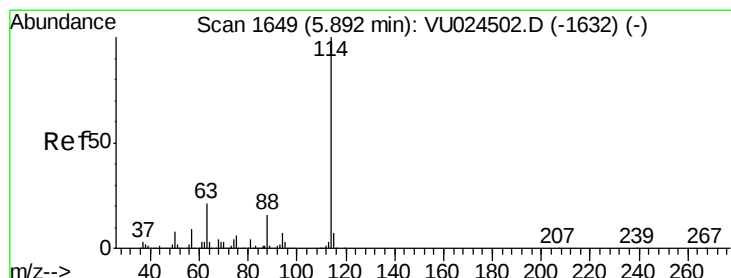
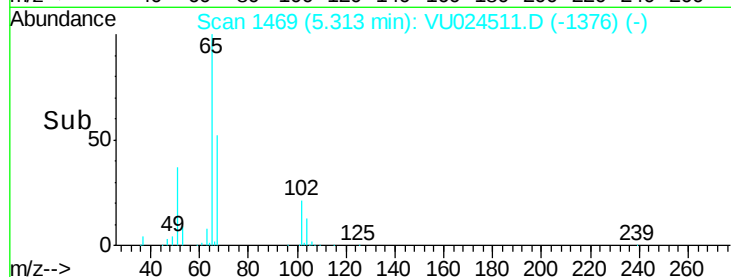
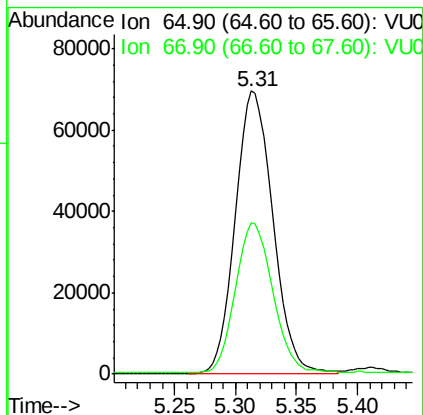
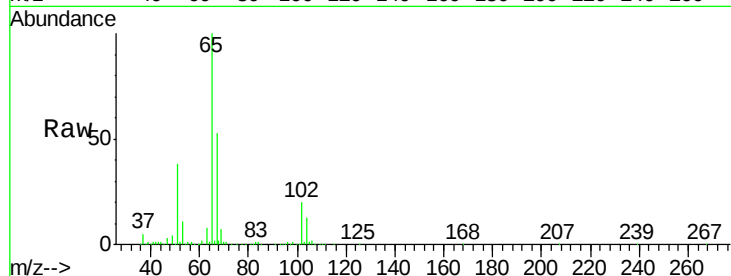
67 52.6 0.0 107.0

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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: VU024511.D

Acq: 13 Jun 2018 16:36

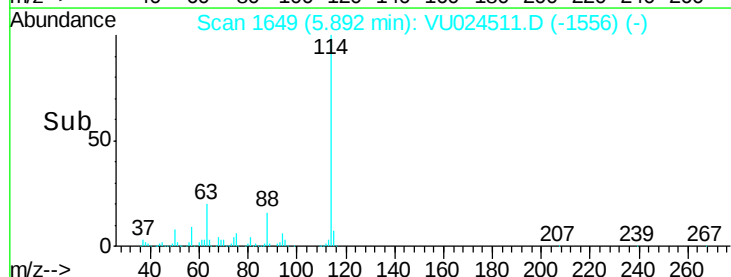
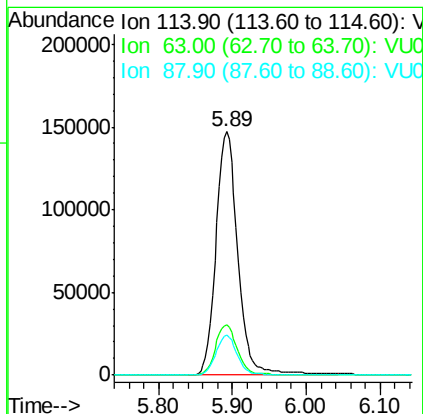
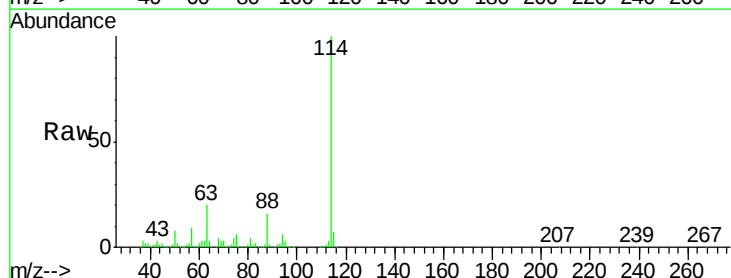
Tgt Ion: 114 Resp: 303840

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.4

88 16.3 0.0 31.0





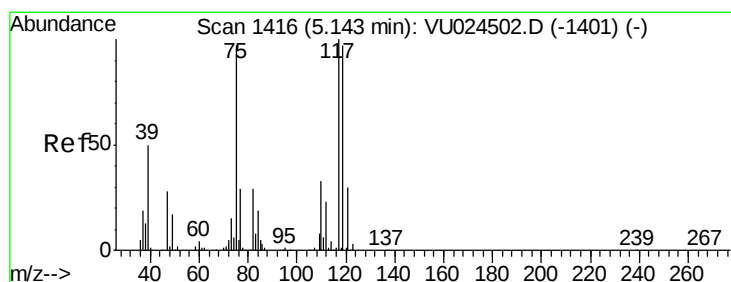
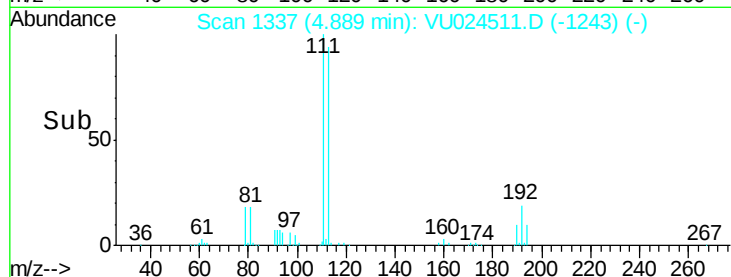
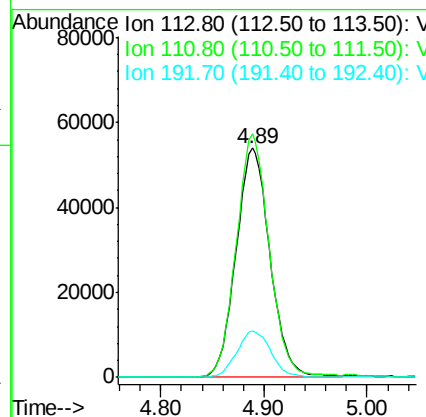
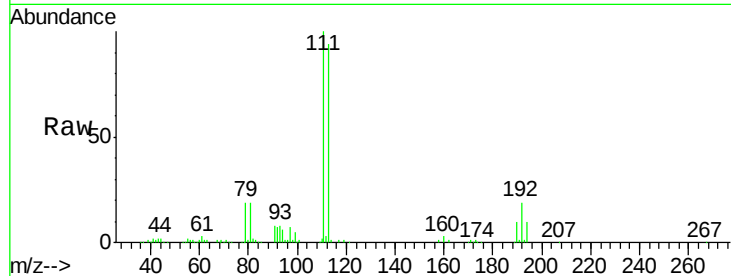
#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123847		
111	102.3	82.2	123.4	
192	20.3	16.2	24.4	

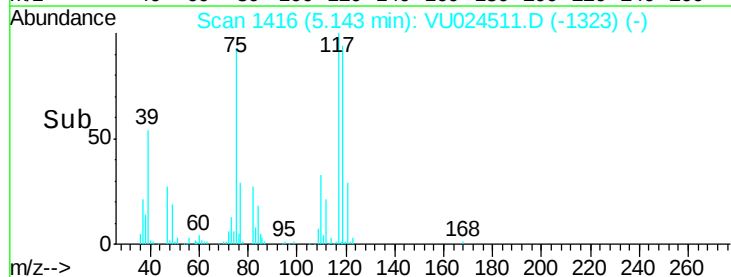
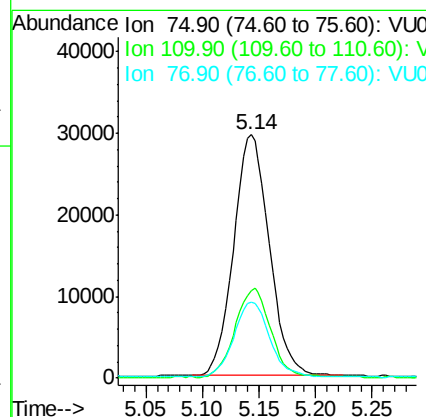
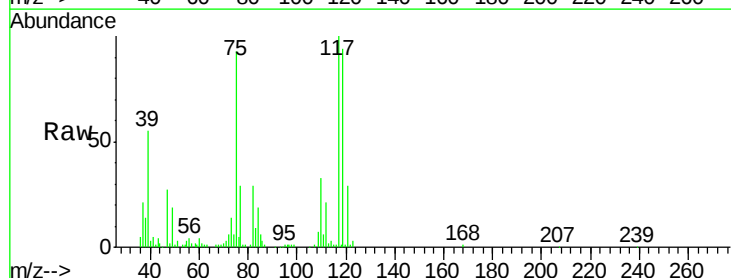
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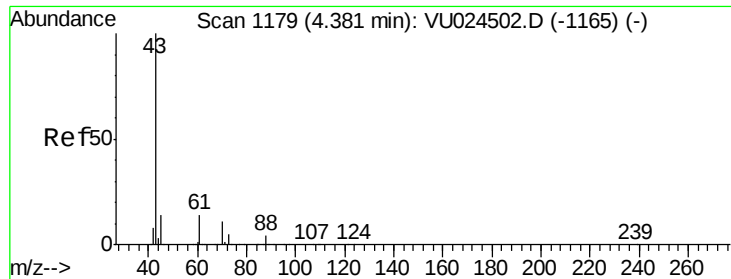
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#36
 1,1-Dichloropropene
 Concen: 18.158 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64832		
110	36.6	17.0	50.9	
77	31.5	24.2	36.4	





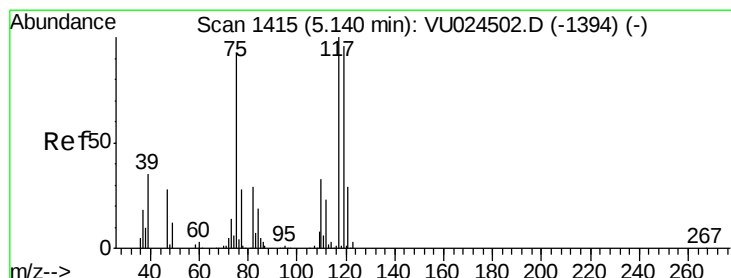
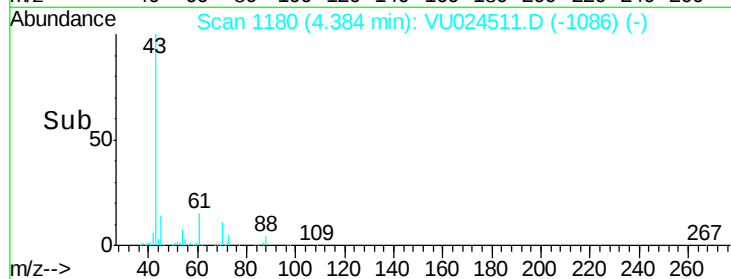
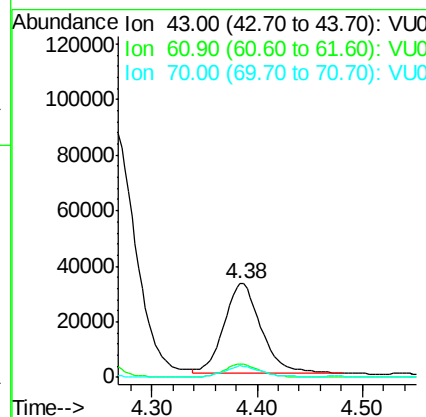
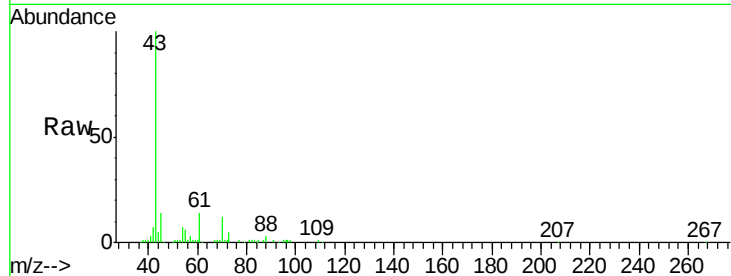
#37
Ethyl Acetate
Concen: 20.409 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	11.4	7.4	11.2

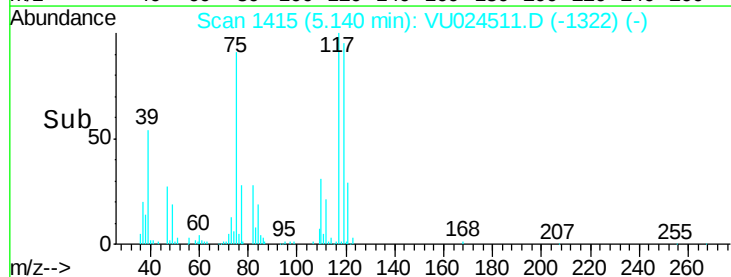
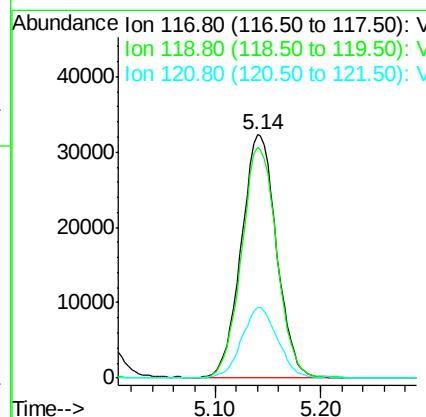
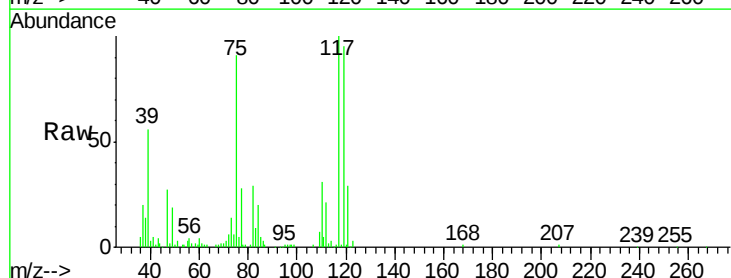
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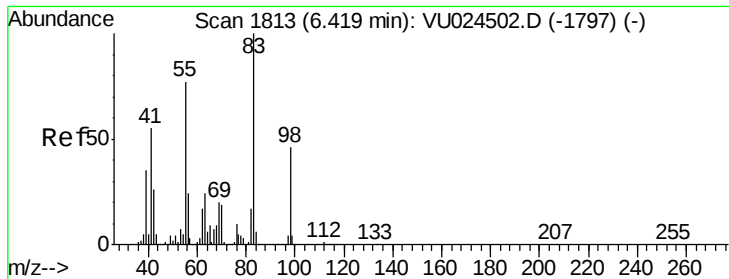
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#38
Carbon Tetrachloride
Concen: 19.175 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.1	114.1
121	29.1	23.7	35.5





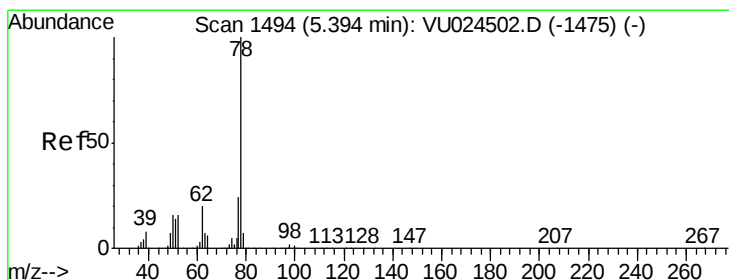
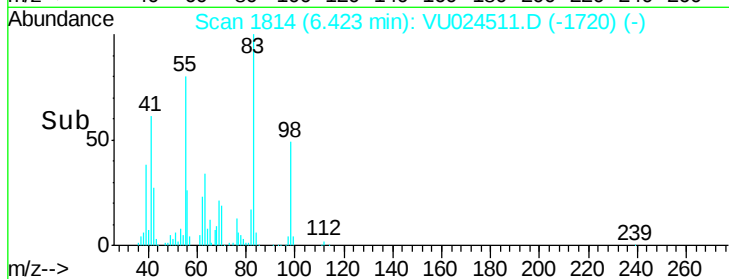
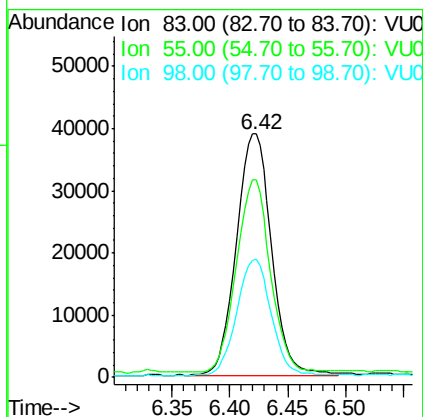
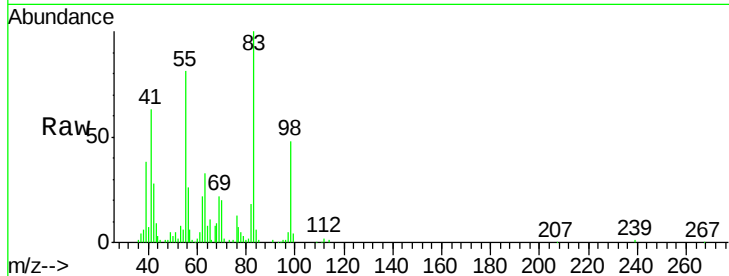
#39
Methvlcvclohexane
Concen: 18.301 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	65.8	98.6
98	48.1	36.7	55.1

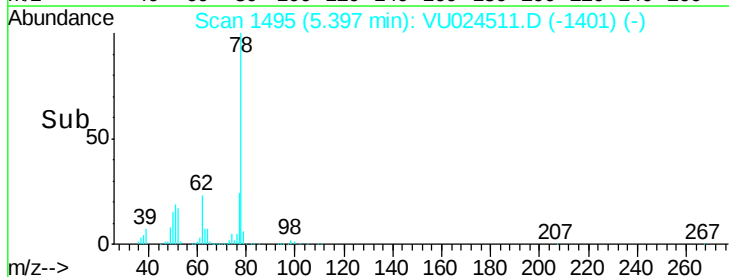
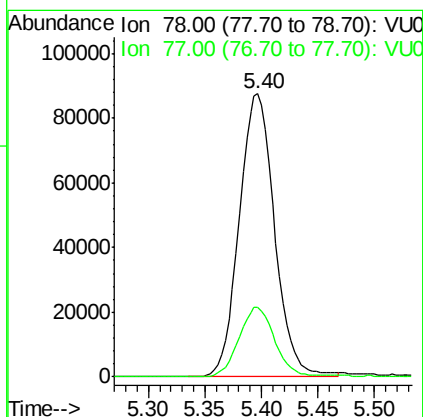
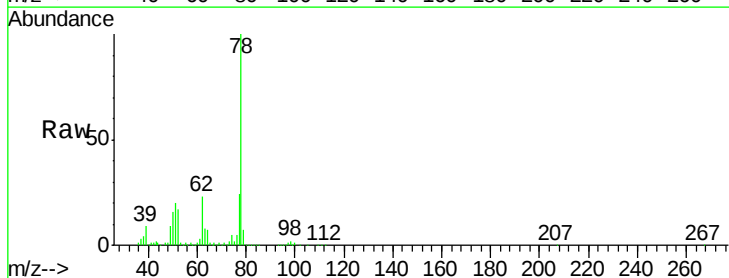
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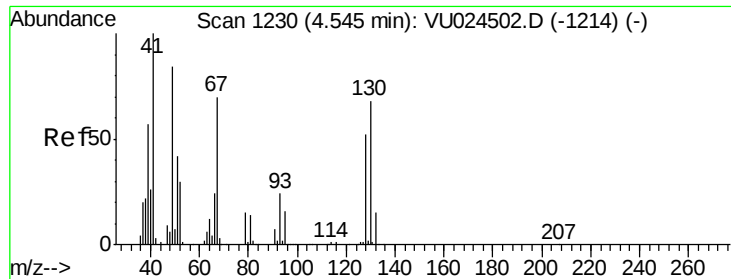
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#40
Benzene
Concen: 18.769 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





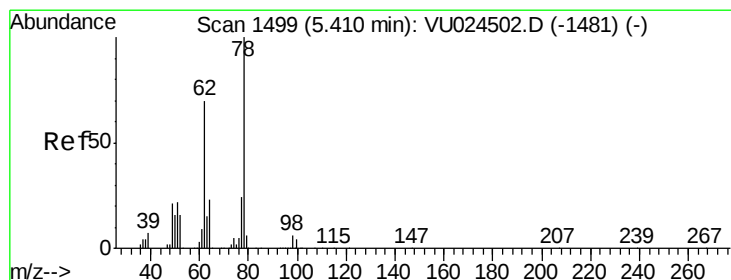
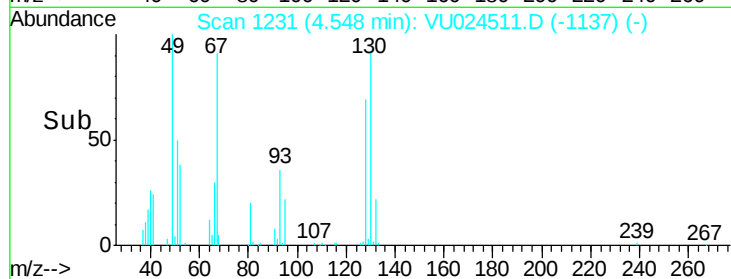
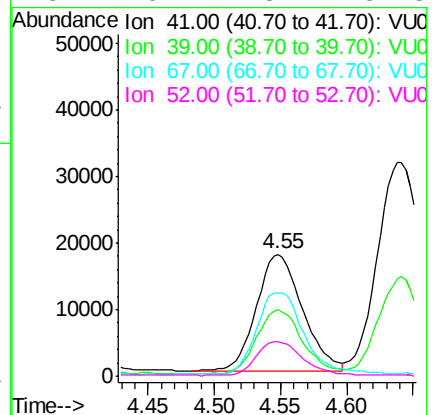
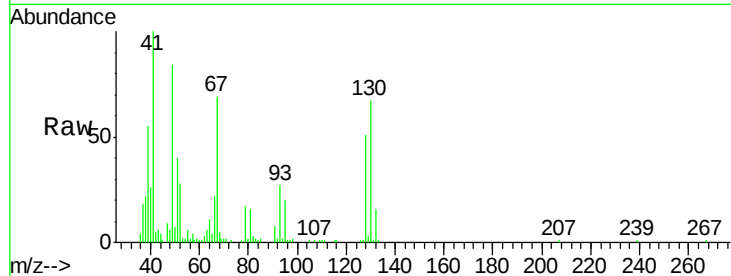
#41
Methacrylonitrile
Concen: 20.506 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.8	65.6
67	71.0	56.3	84.5
52	29.1	23.2	34.8

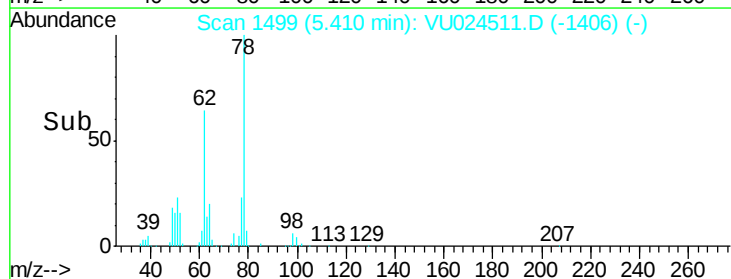
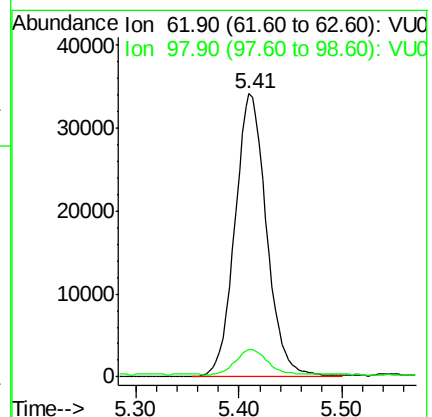
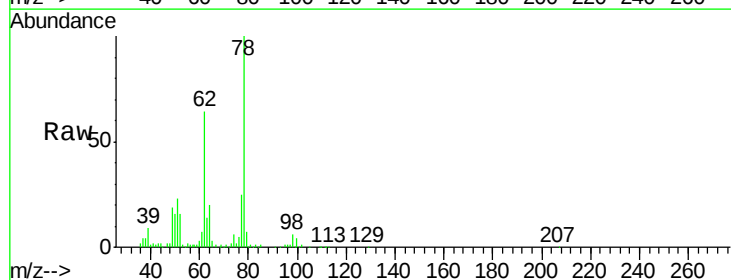
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#42
1,2-Dichloroethane
Concen: 18.852 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.930 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

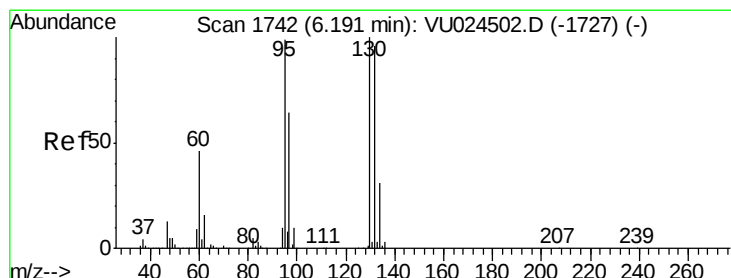
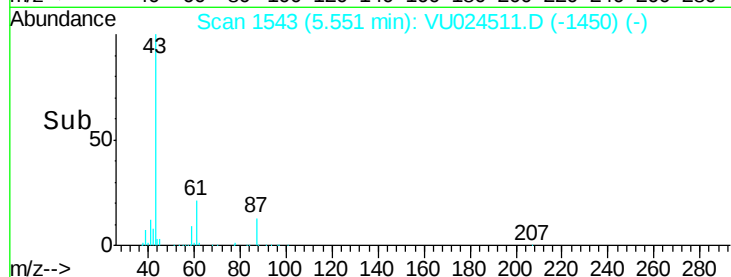
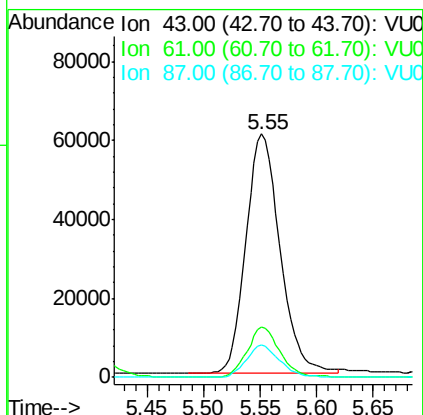
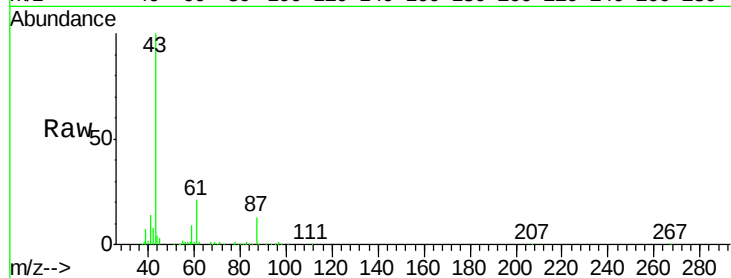
ClientSampleId :

VU0613WBS01

Tot Ion:	43	Resp:	127333
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.4	23.0
87	13.1	10.0	15.0

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#44

Trichloroethene

Concen: 18.528 ug/l

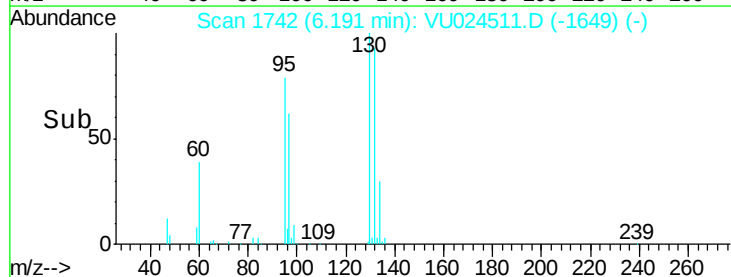
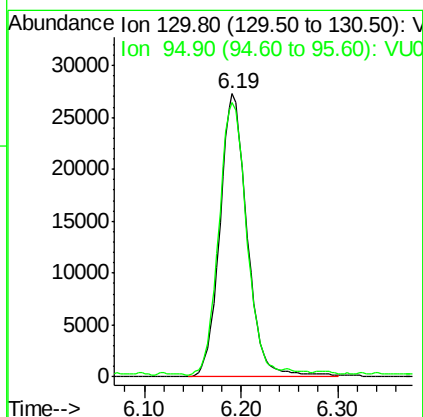
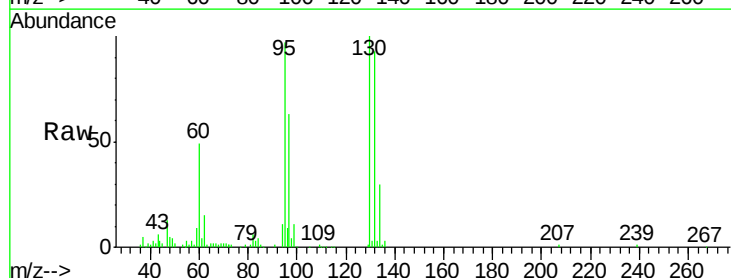
RT: 6.19 min Scan# 1742

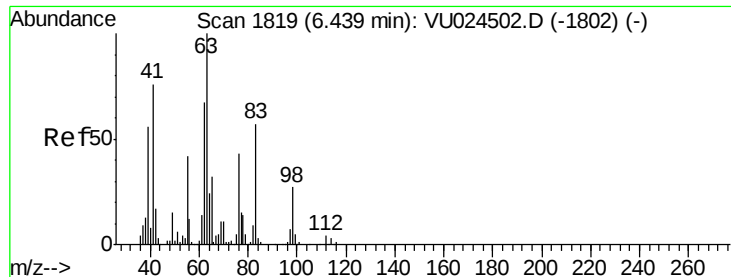
Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	130	Resp:	53646
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	202.4





#45

1,2-Dichloropropane

Concen: 19.761 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 63 Resp: 53643

Ion Ratio Lower Upper

63 100

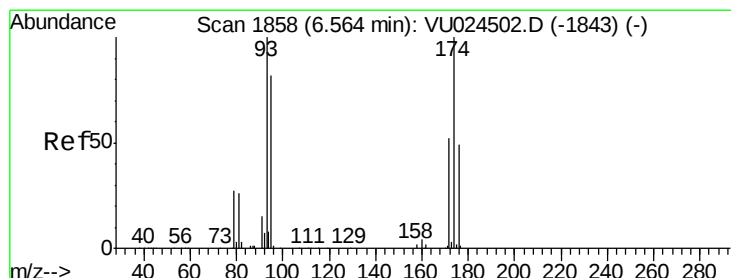
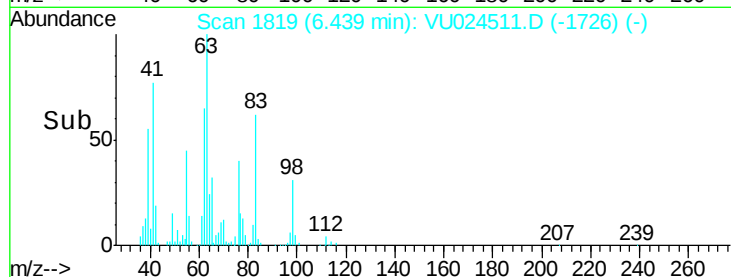
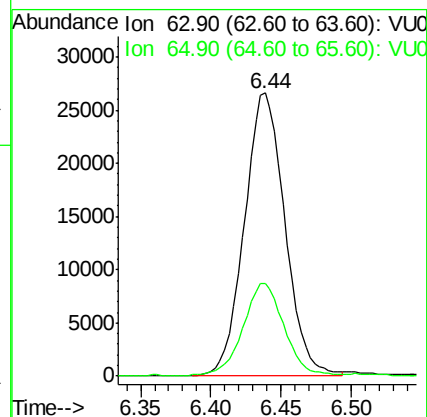
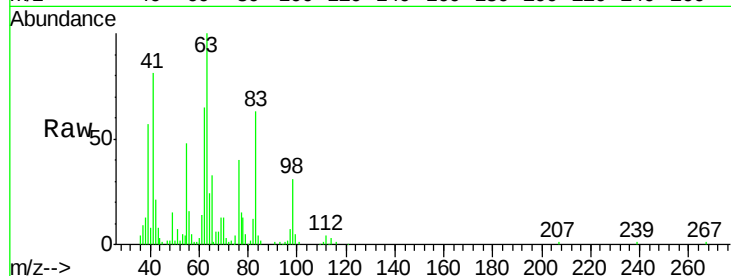
65 32.5 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.449 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

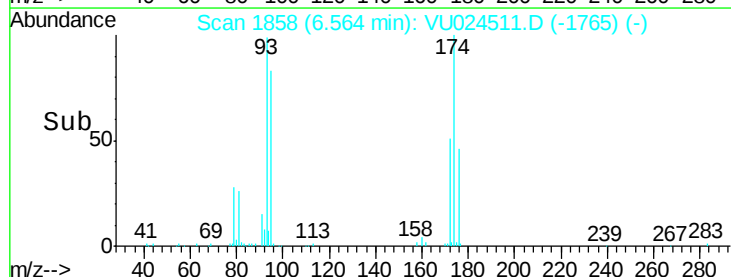
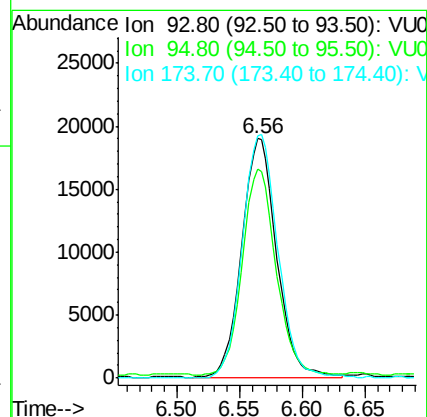
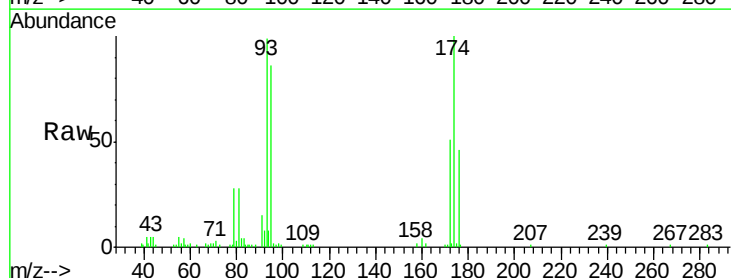
Tgt Ion: 93 Resp: 37083

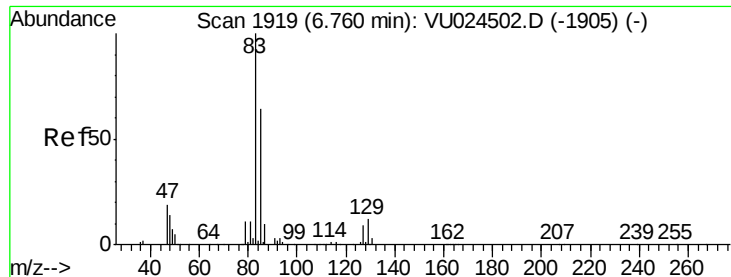
Ion Ratio Lower Upper

93 100

95 82.5 65.5 98.3

174 102.9 78.7 118.1





#47

Bromodichloromethane

Concen: 19.055 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

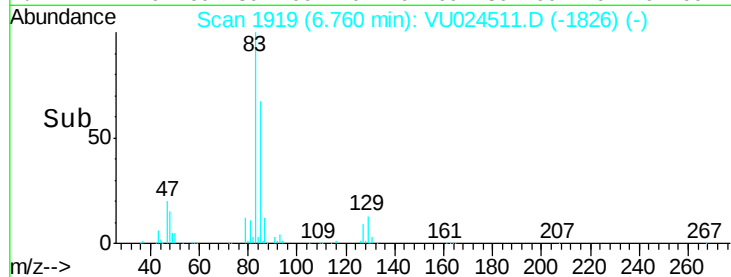
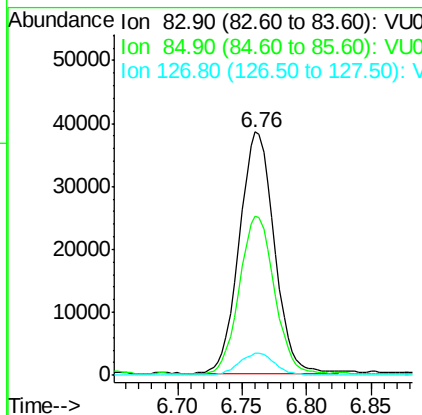
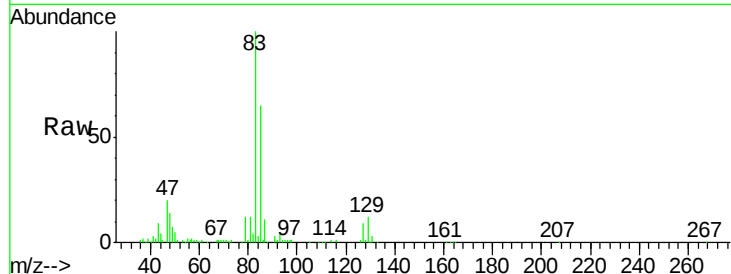
ClientSampleId :

VU0613WBS01

Tot Ion:	83	Resp:	72348
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9
127	9.0	6.6	9.8

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#48

Methyl methacrylate

Concen: 19.379 ug/l

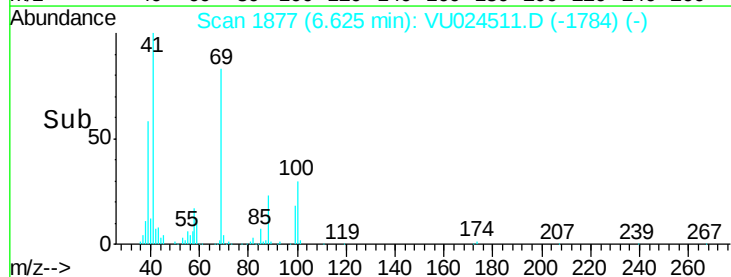
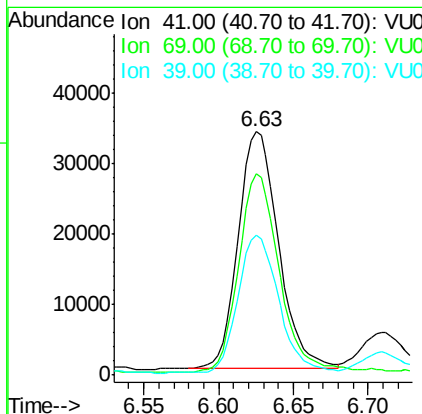
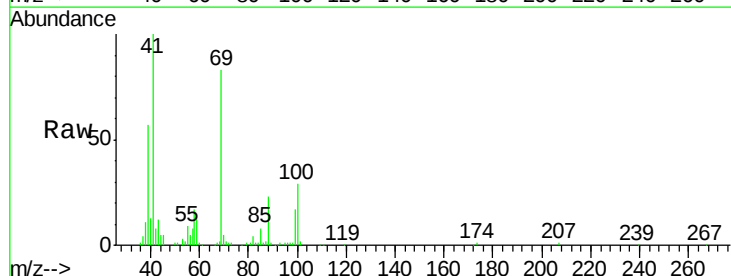
RT: 6.63 min Scan# 1877

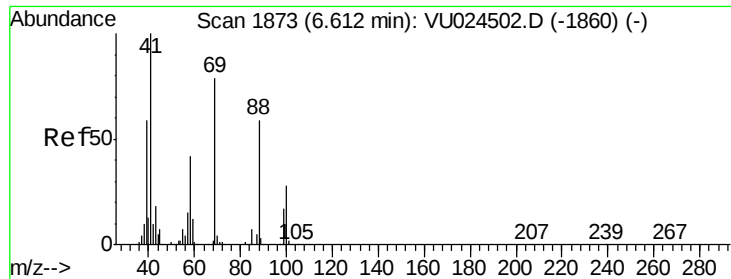
Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	41	Resp:	63474
Ion	Ratio	Lower	Upper
41	100		
69	83.4	67.3	100.9
39	57.8	46.5	69.7





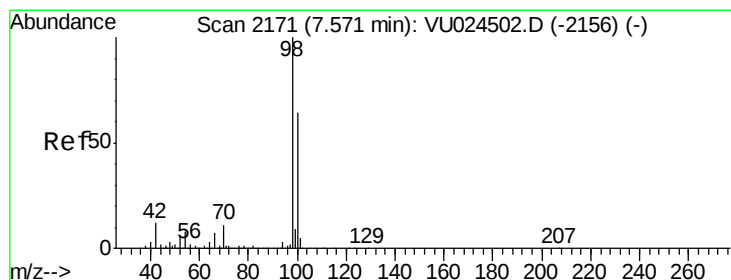
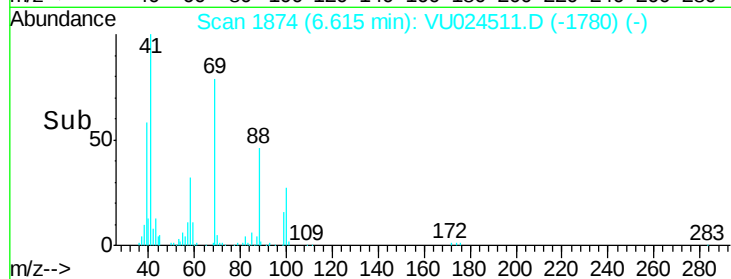
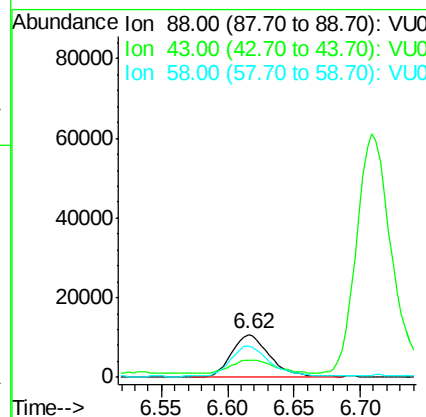
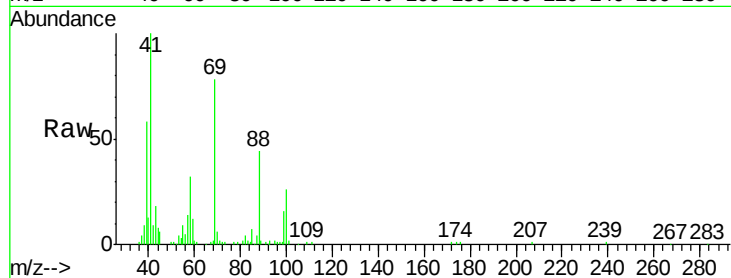
#49
1,4-Dioxane
Concen: 340.724 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	28.6	42.8
58	70.8	58.2	87.4

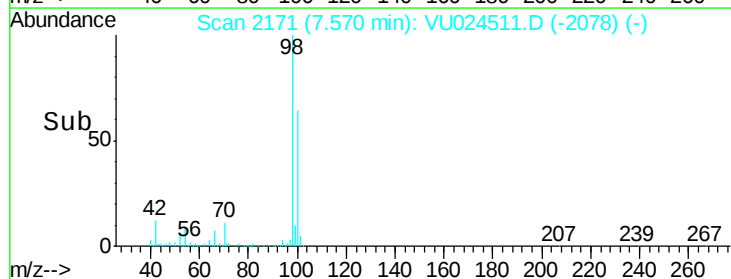
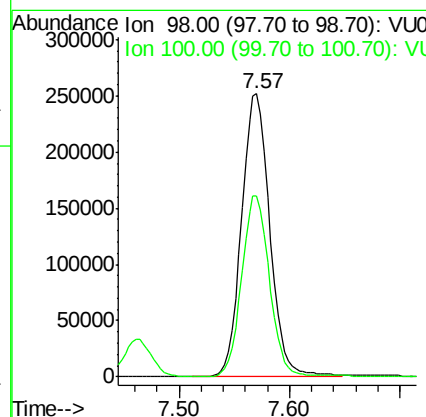
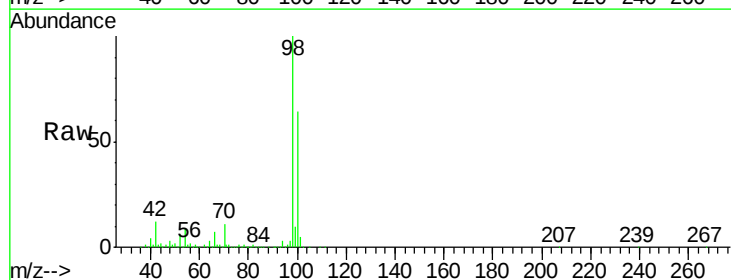
Manual Integrations
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#50
Toluene-d8
Concen: 48.458 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





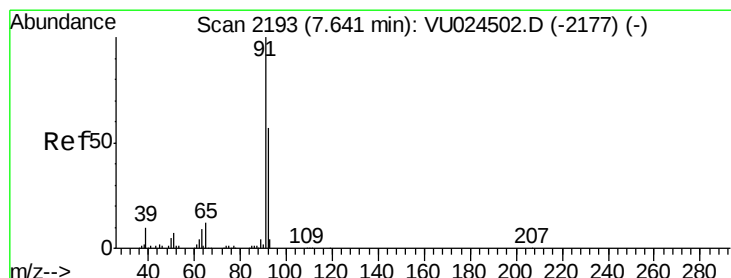
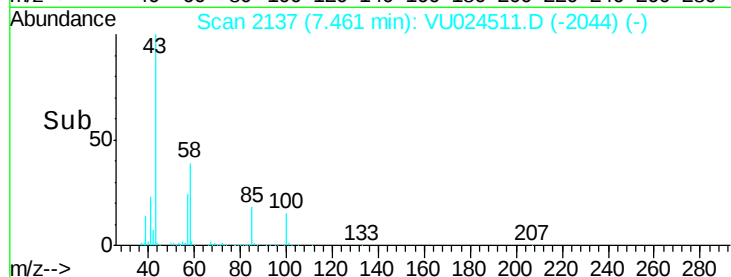
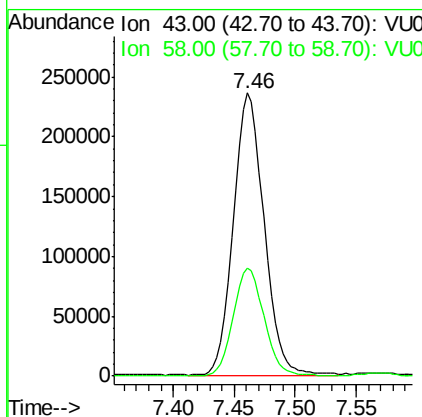
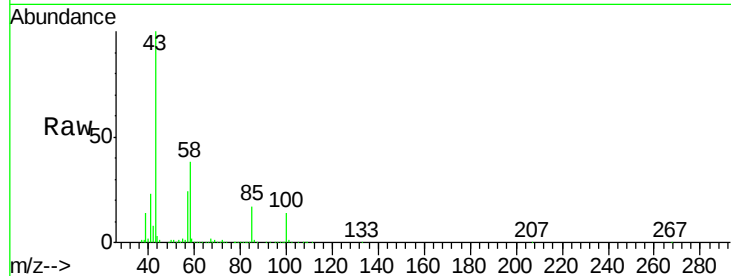
#51
4-Methyl-2-Pentanone
Concen: 97.141 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.0	45.0

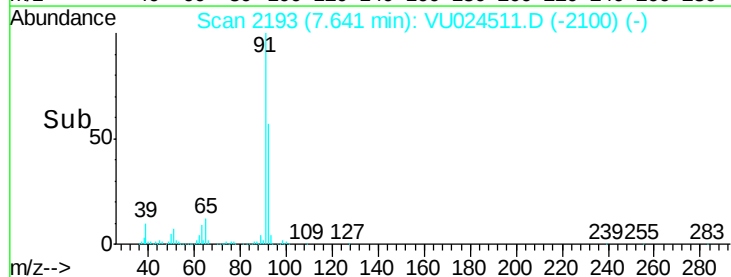
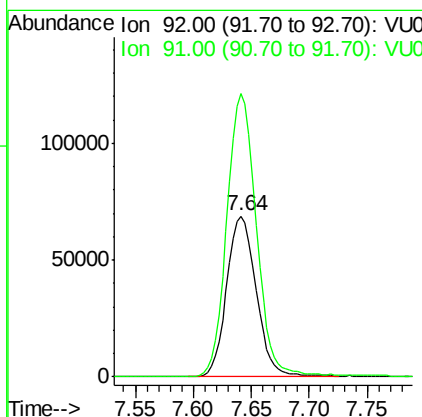
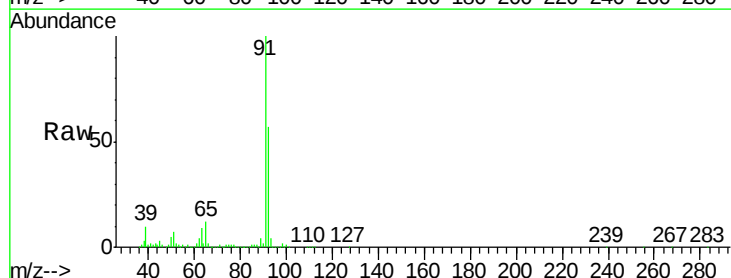
Manual Integrations
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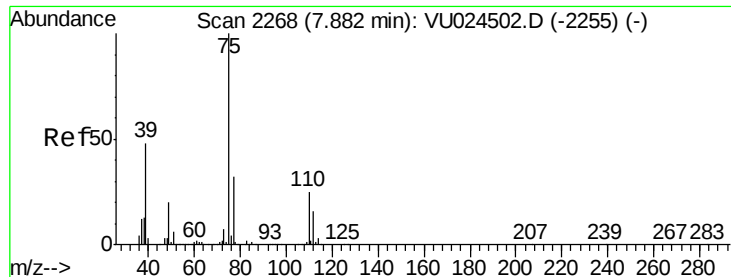
MMDadoda
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#52
Toluene
Concen: 18.638 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 18.800 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 75 Resp: 80159

Ion Ratio Lower Upper

75 100

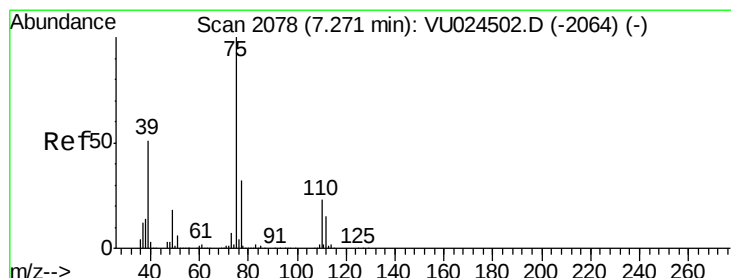
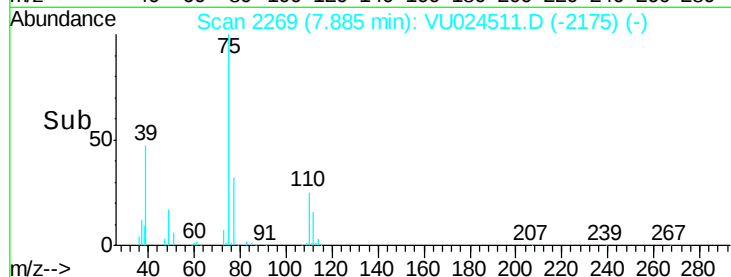
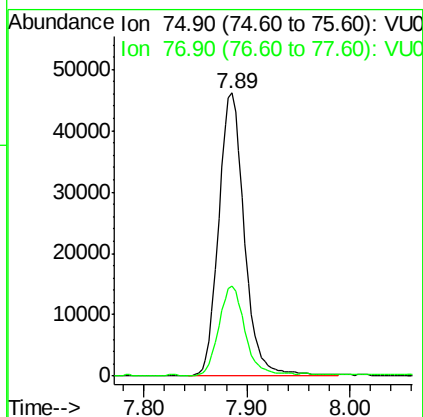
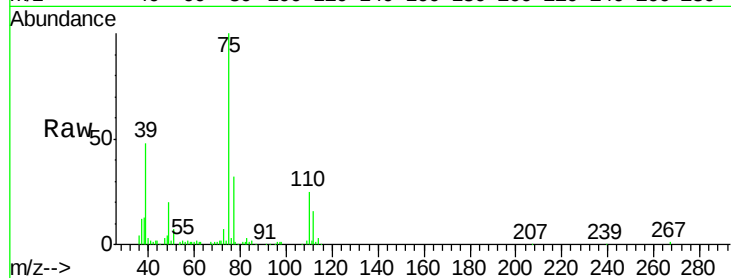
77 31.8 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.525 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

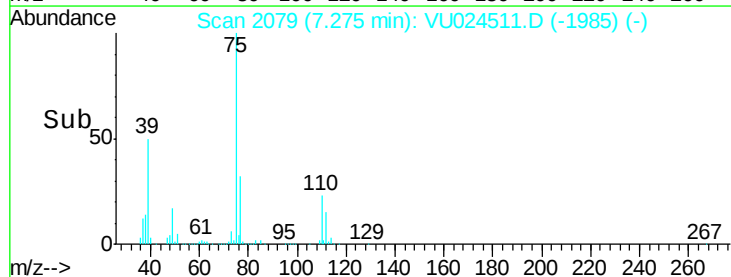
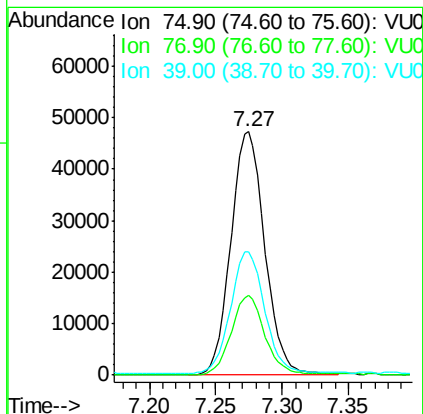
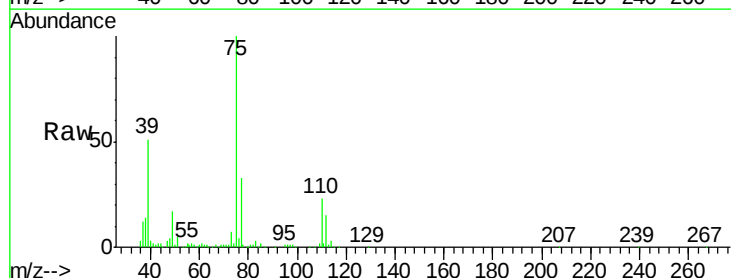
Tgt Ion: 75 Resp: 84167

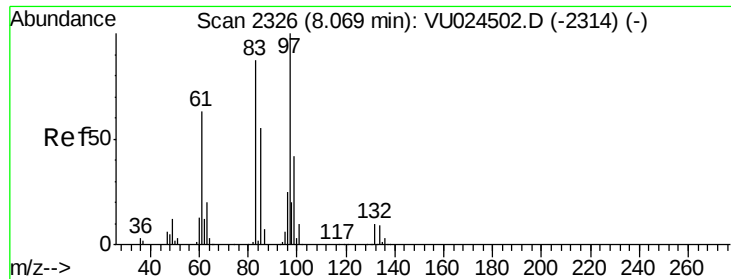
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 50.0 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 18.165 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

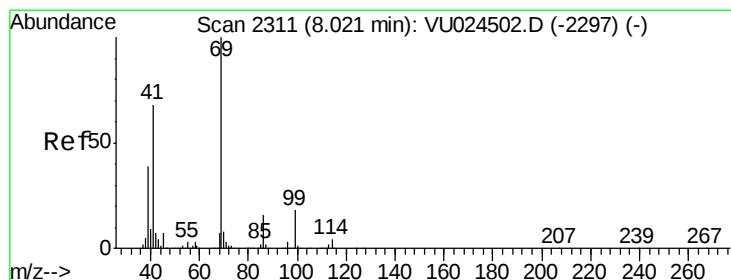
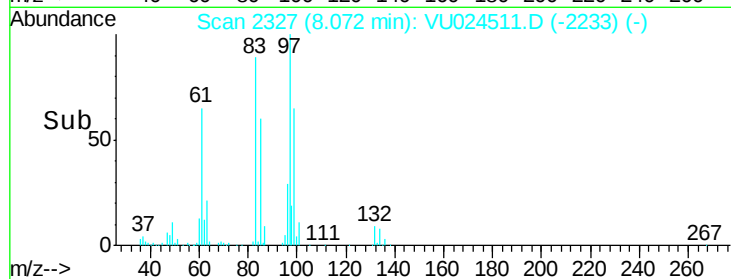
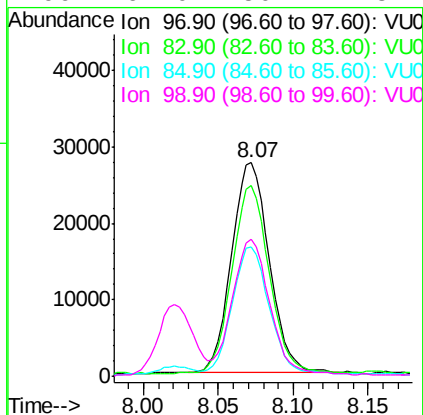
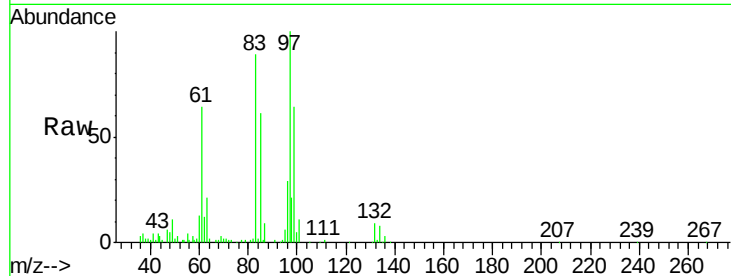
ClientSampleId :

VU0613WBS01

Tot Ion:	97	Resp:	48329
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	60.2	46.4	69.6
99	64.0	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.447 ug/l

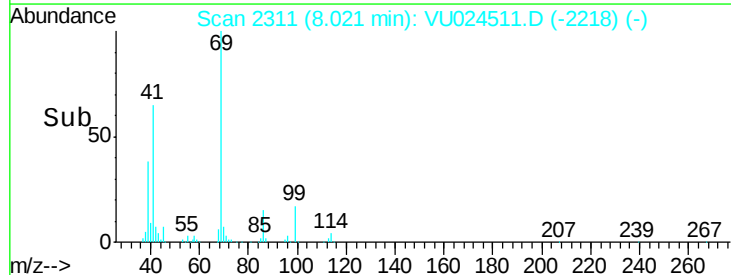
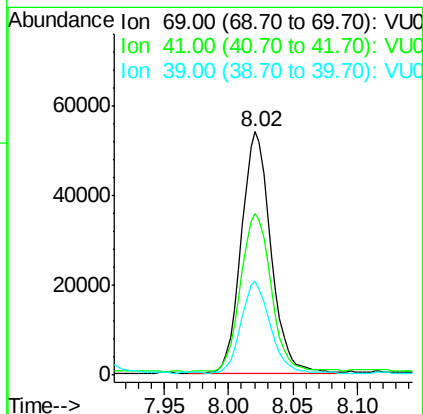
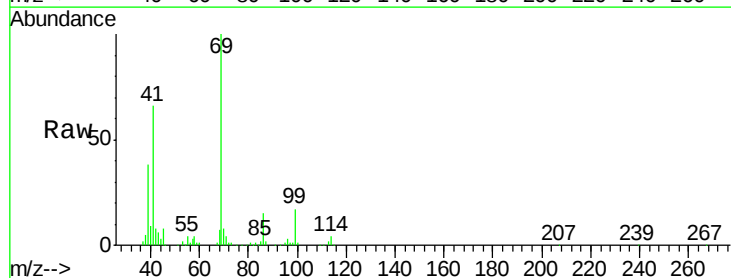
RT: 8.02 min Scan# 2311

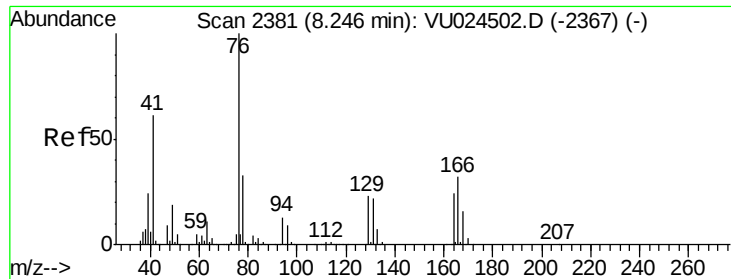
Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	69	Resp:	86601
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	37.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.303 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 76 Resp: 86634

Ion Ratio Lower Upper

76 100

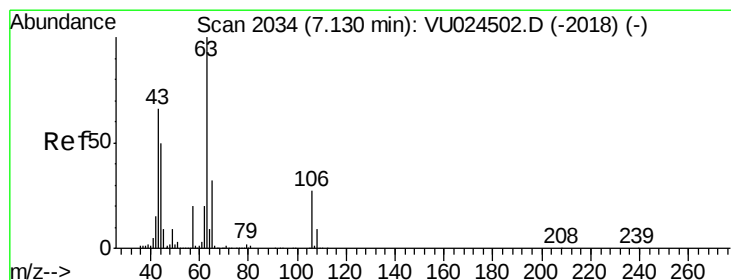
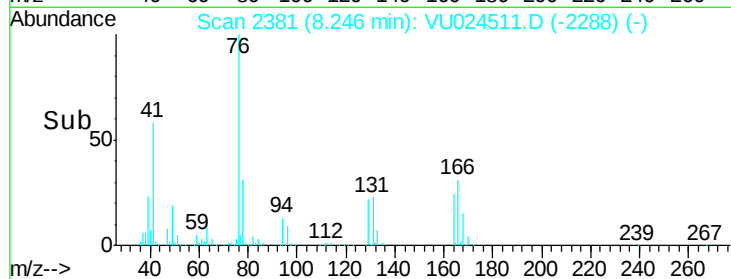
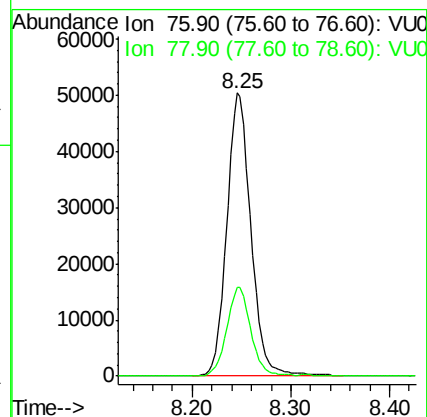
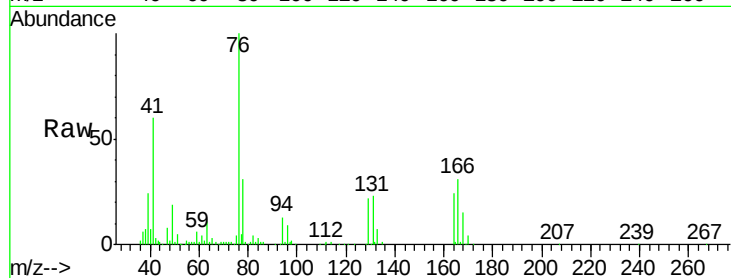
78 31.3 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 99.730 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU024511.D

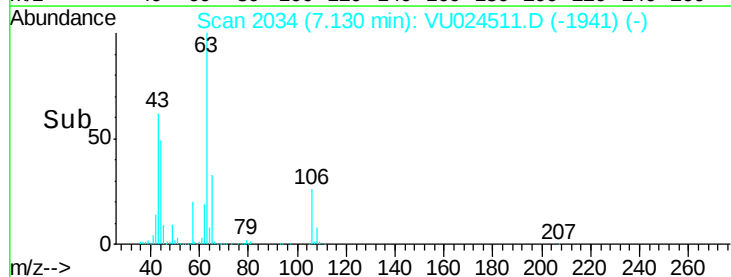
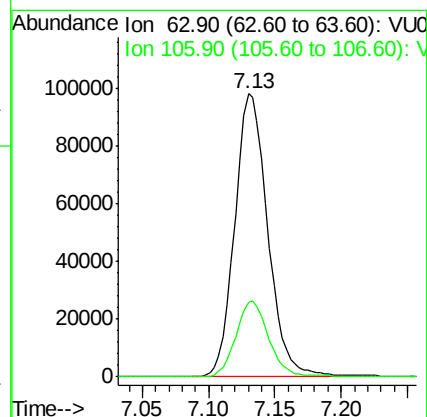
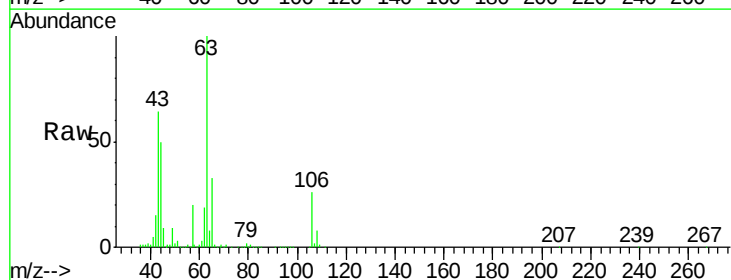
Acq: 13 Jun 2018 16:36

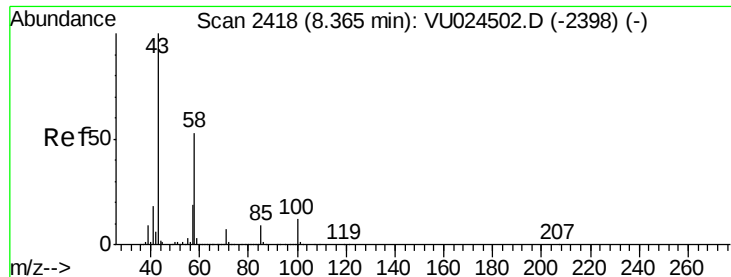
Tgt Ion: 63 Resp: 170142

Ion Ratio Lower Upper

63 100

106 26.8 20.2 30.2





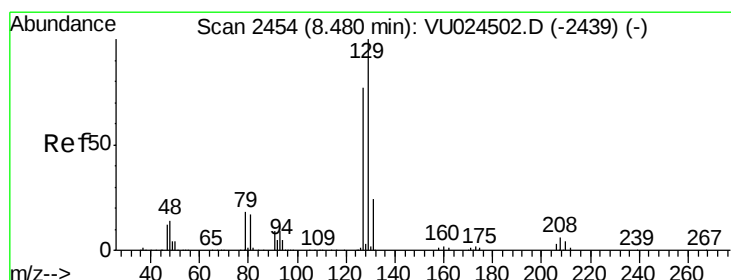
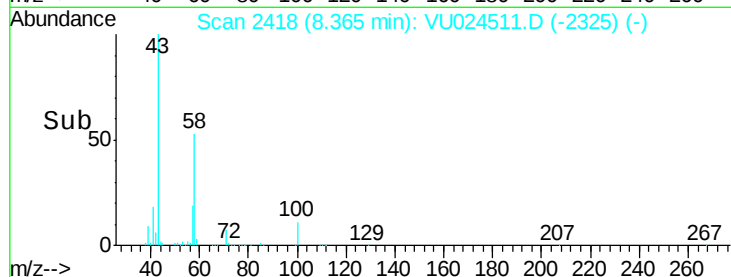
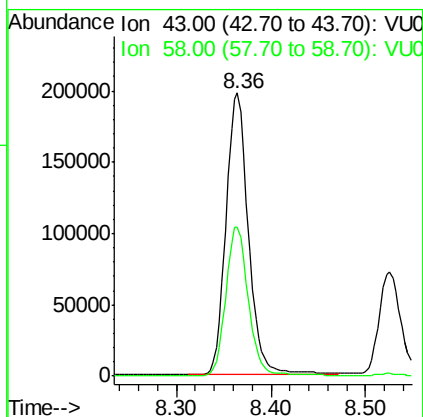
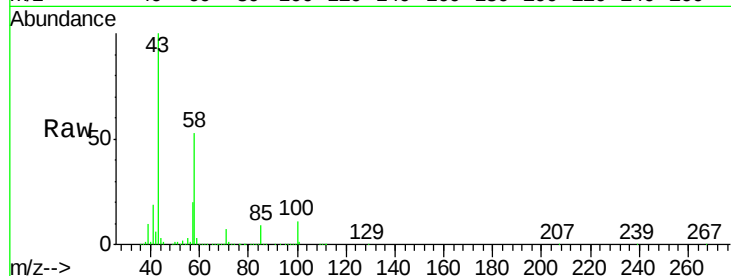
#59
2-Hexanone
Concen: 94.667 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion: 43 Resp: 326608
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0

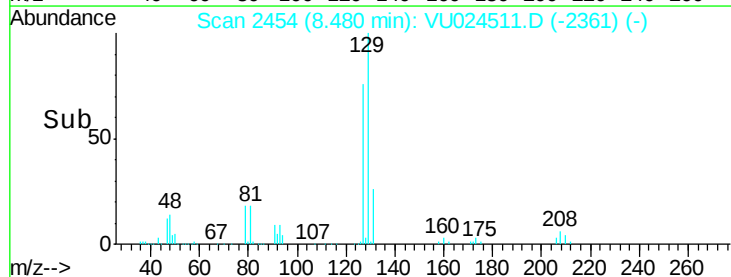
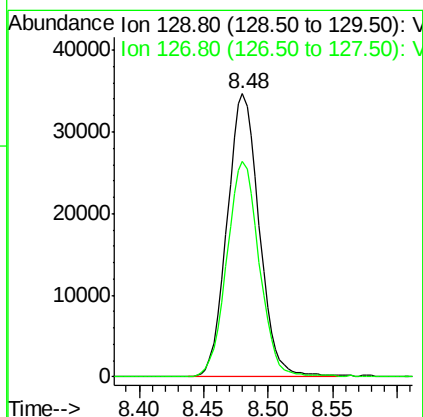
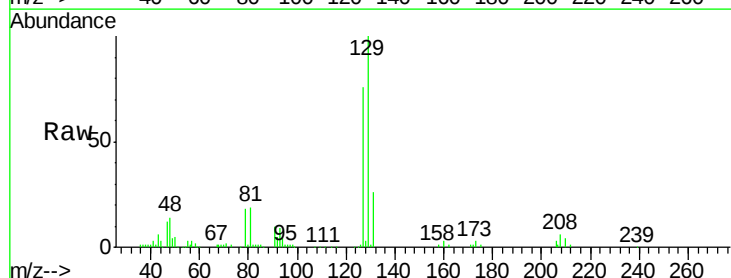
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.062 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion: 129 Resp: 59925
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





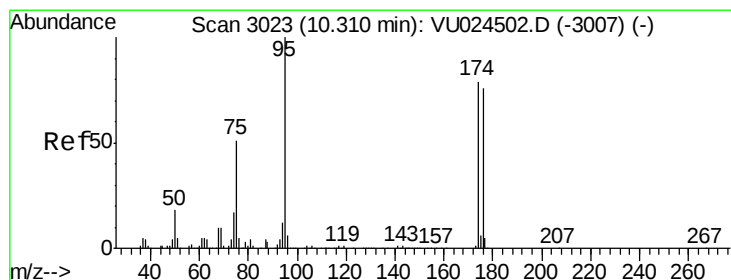
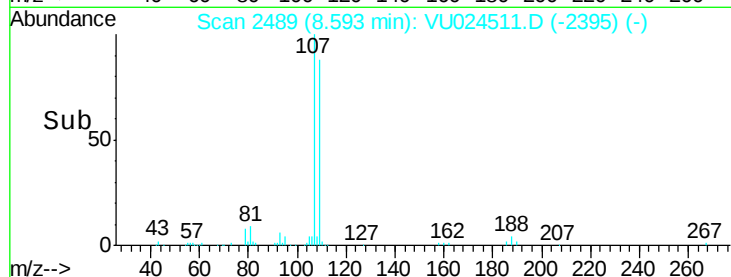
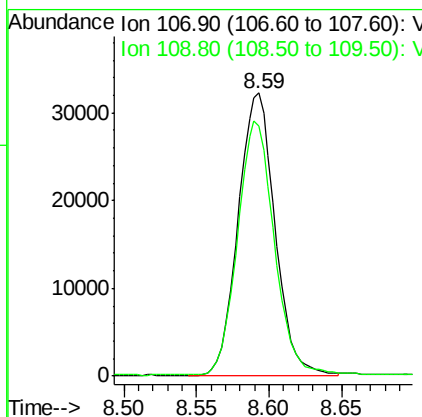
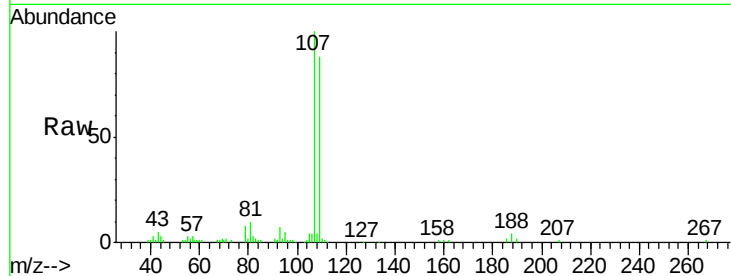
#61
 1,2-Dibromoethane
 Concen: 19.289 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.2	74.5	111.7

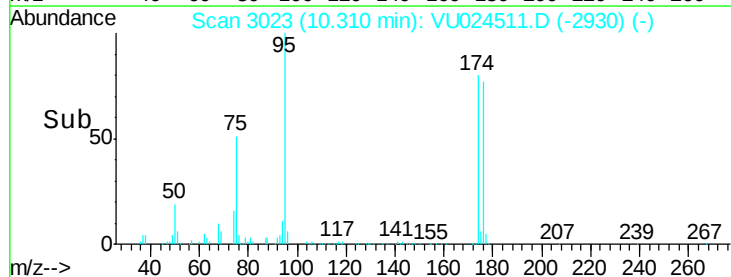
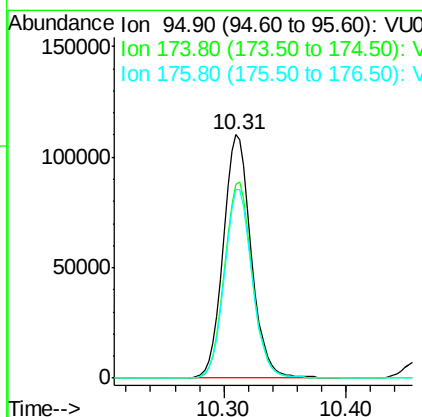
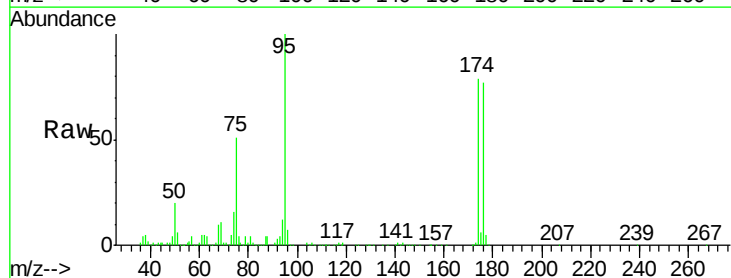
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 47.933 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	165.8
176	78.1	0.0	159.4





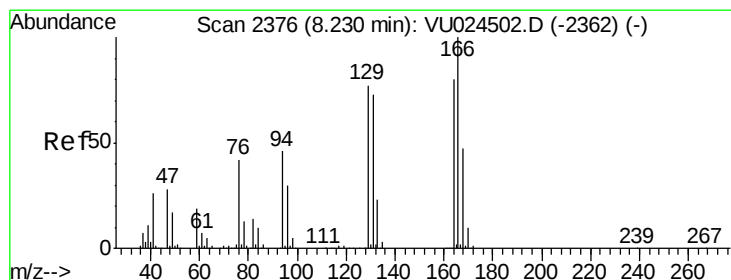
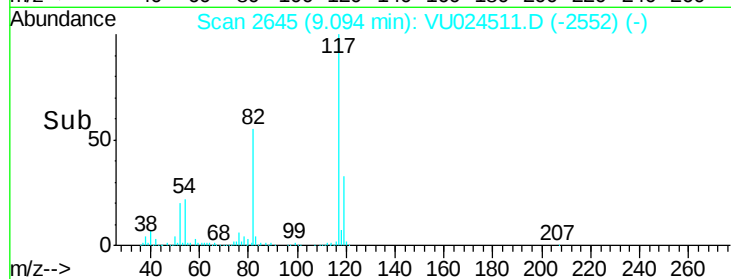
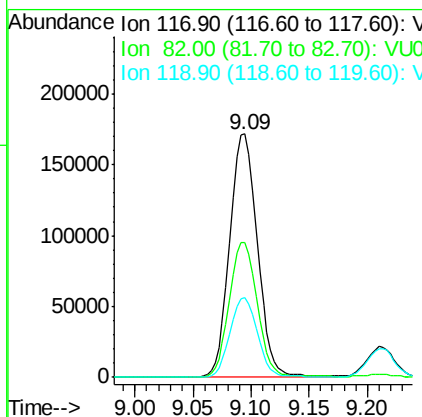
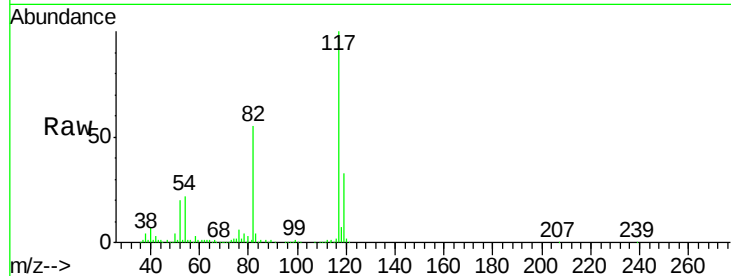
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284633		
82	55.1		44.3	66.5
119	32.7		25.4	38.2

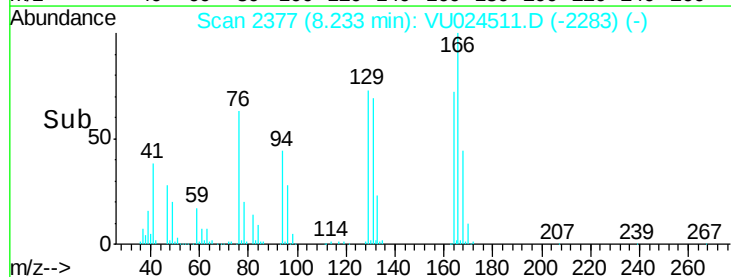
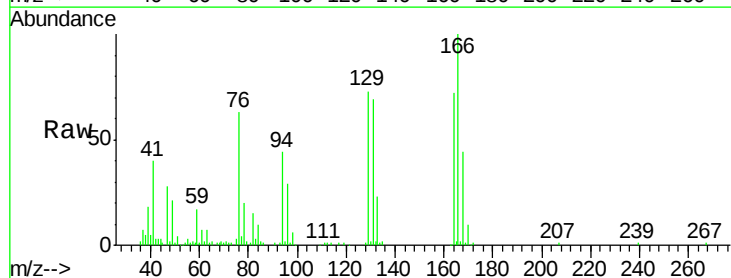
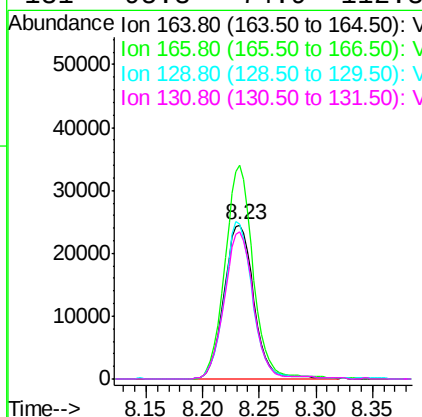
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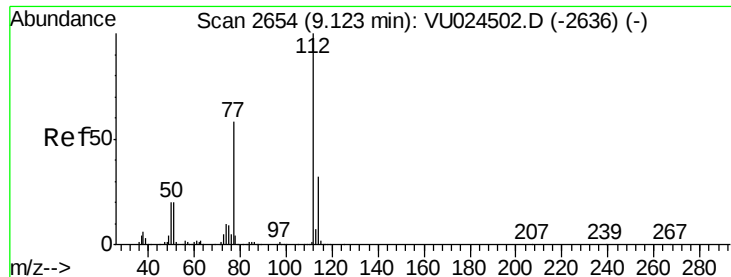
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#64
Tetrachloroethene
Concen: 16.565 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44818		
166	138.8		101.7	152.5
129	100.7		76.9	115.3
131	95.3		74.9	112.3





#65

Chlorobenzene

Concen: 19.278 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion:112 Resp: 140175

Ion Ratio Lower Upper

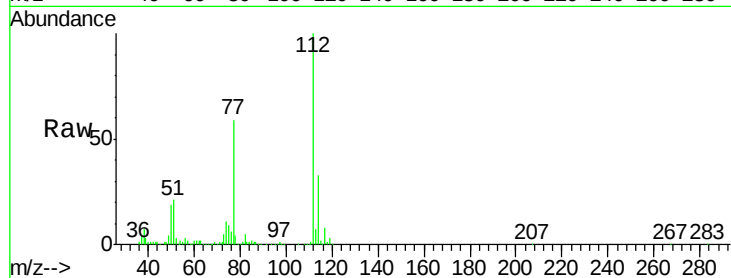
112 100

114 33.0 25.6 38.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

80000

60000

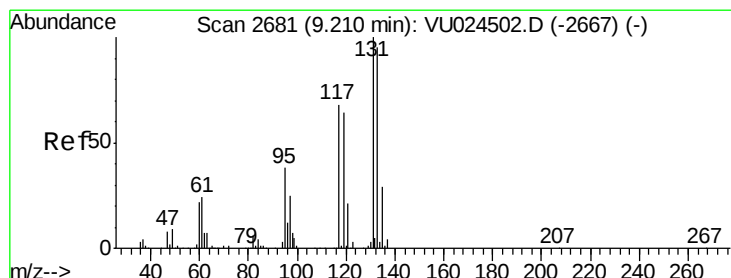
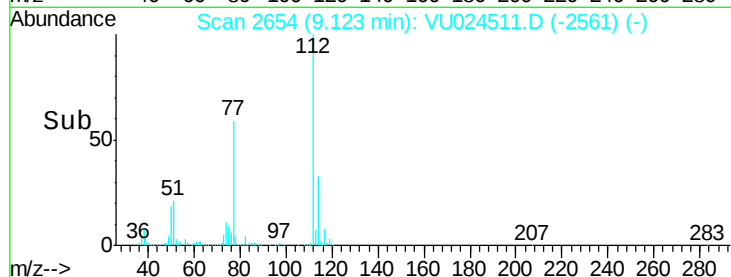
40000

20000

0

9.12

Time--> 9.00 9.10 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 18.718 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

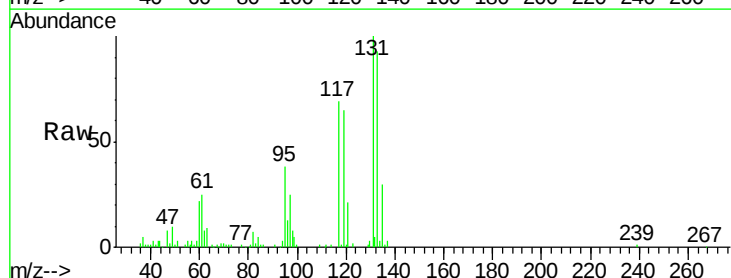
Tgt Ion:131 Resp: 51708

Ion Ratio Lower Upper

131 100

133 96.1 46.9 140.8

119 65.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

40000

30000

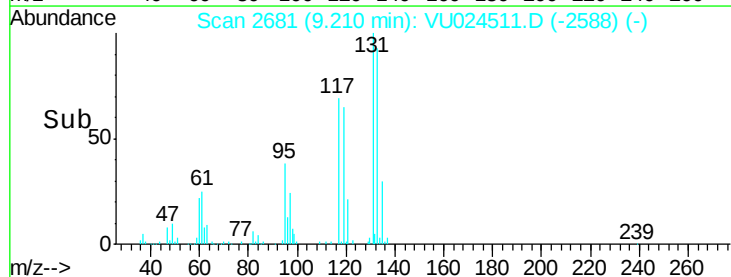
20000

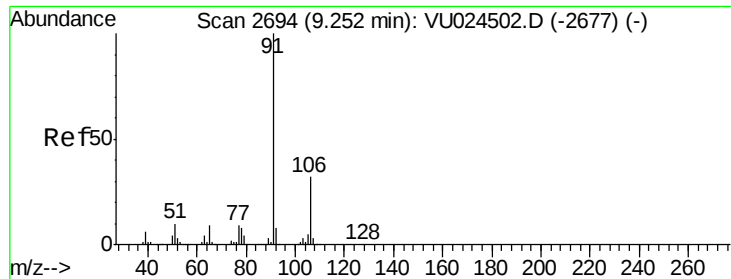
10000

0

9.21

Time--> 9.15 9.20 9.25





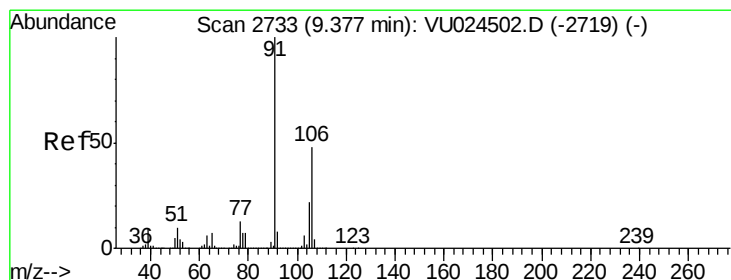
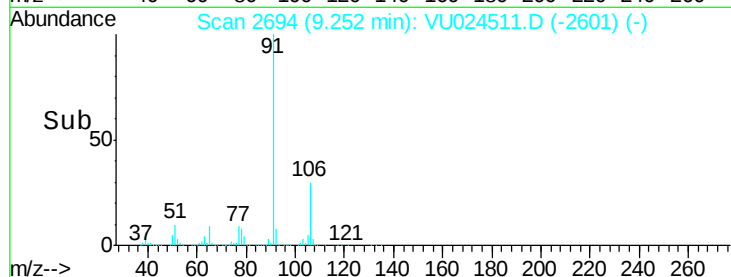
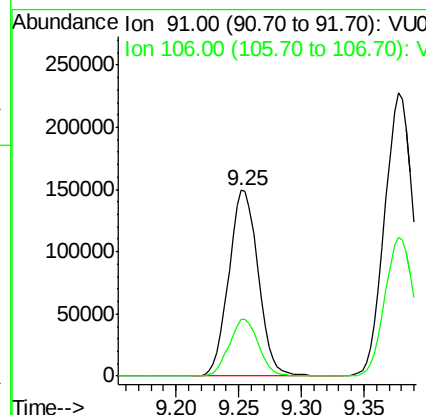
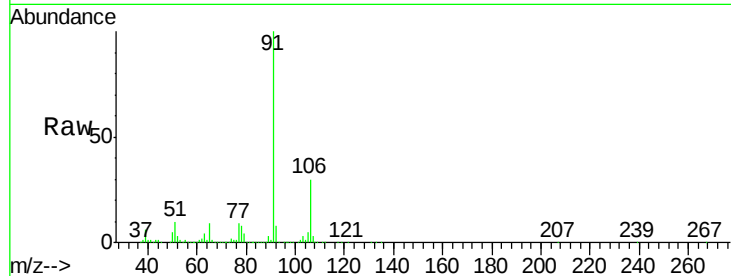
#67
Ethyl Benzene
Concen: 19.066 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampled :
VU0613WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		243044		
106	30.5	24.2	36.4		

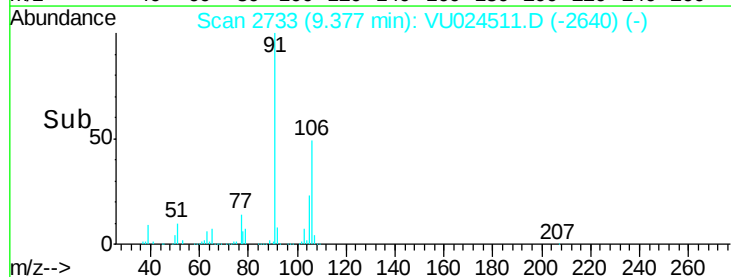
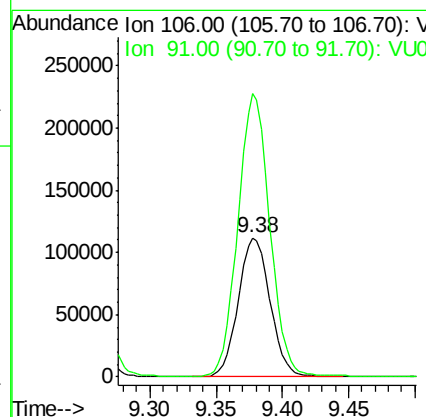
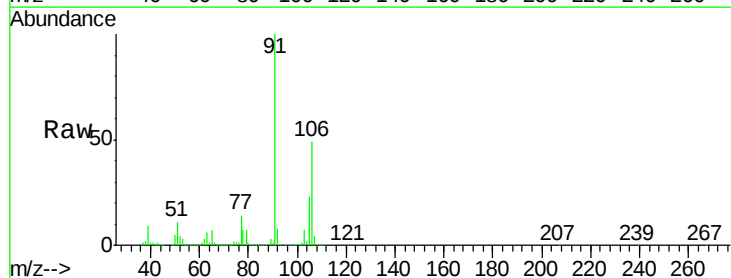
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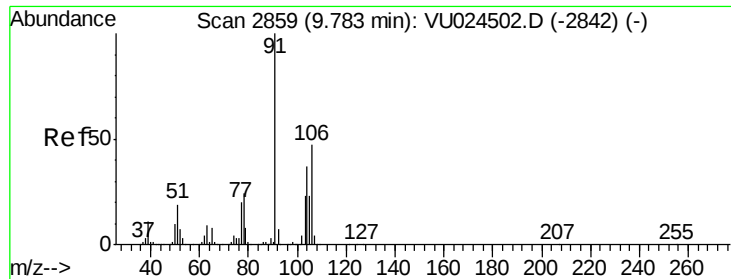
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#68
m/p-Xylenes
Concen: 38.007 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		186040		
91	204.0	166.5	249.7		





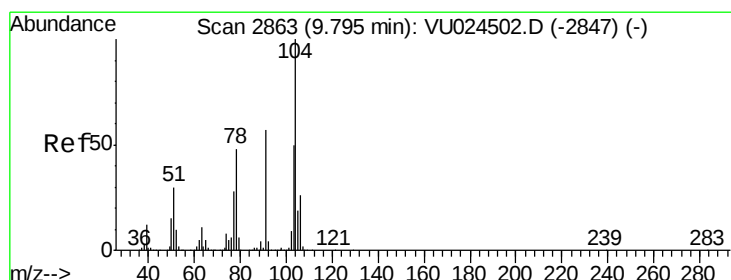
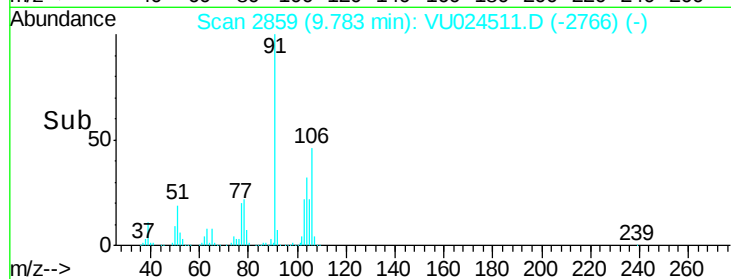
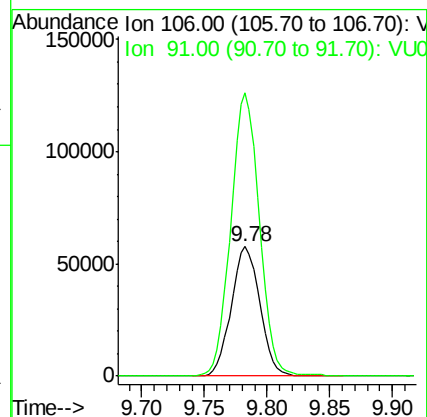
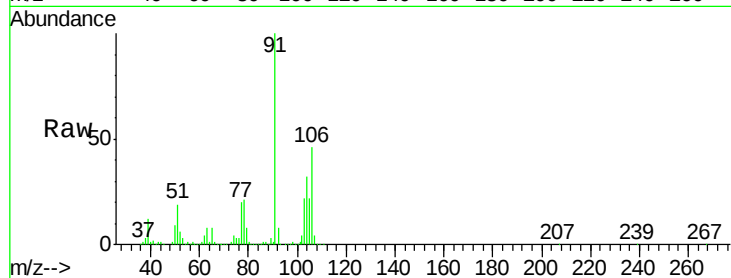
#69
o-Xylene
Concen: 18.906 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		91585		
91	216.3		110.7	331.9	

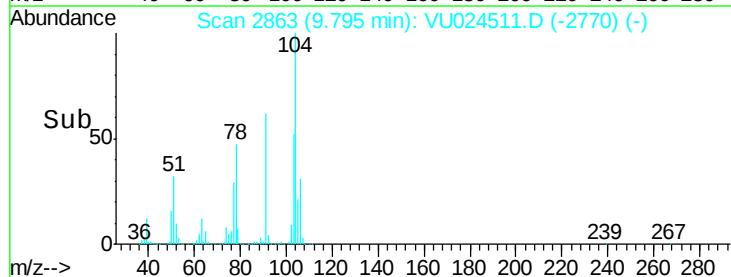
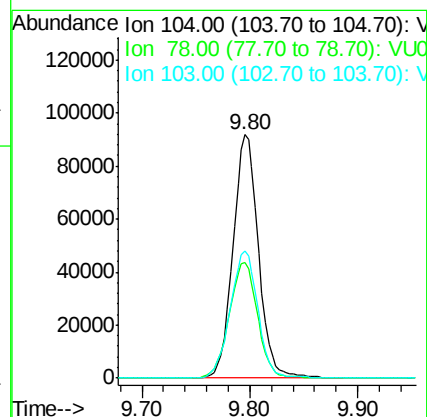
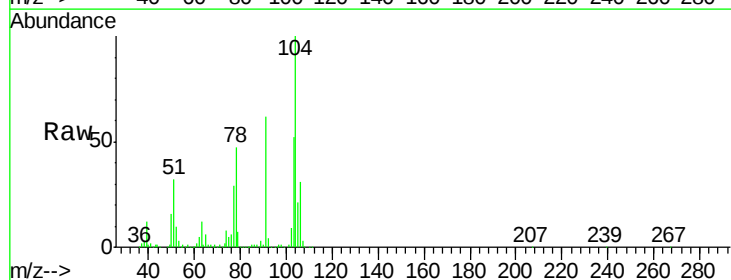
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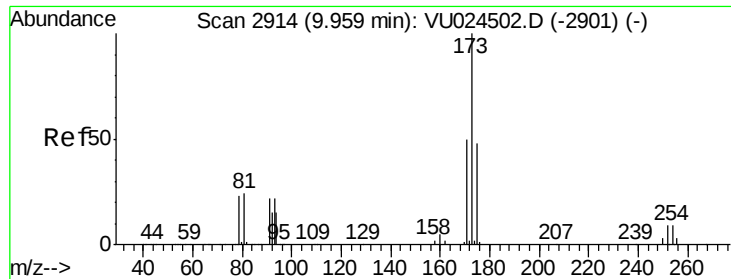
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#70
Styrene
Concen: 18.971 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		151024		
78	53.0		40.6	60.8	
103	56.4		44.7	67.1	





#71

Bromoform

Concen: 18.568 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

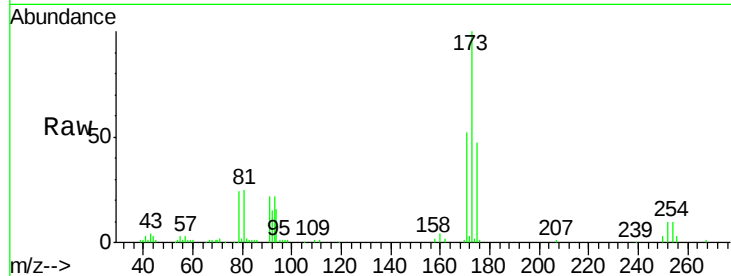
ClientSampleId :

VU0613WBS01

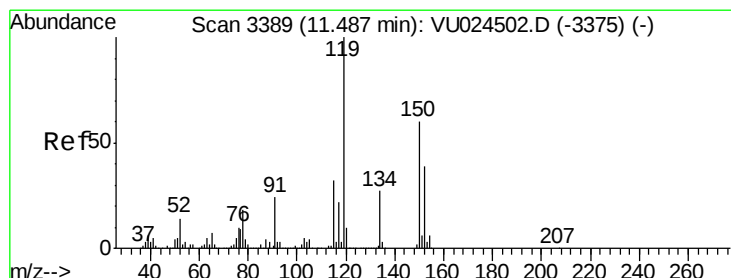
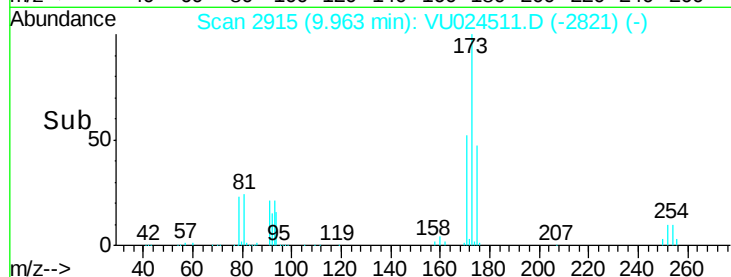
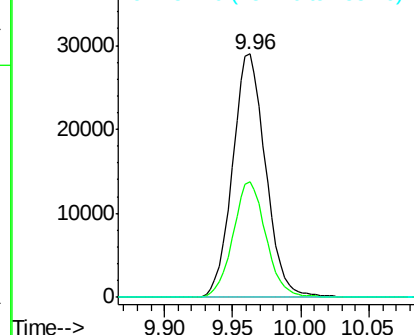
Tot Ion:173	Resp:	48755
Ion Ratio	Lower	Upper
173 100		
175 47.3	24.6	74.0
254 0.0	0.0	0.0

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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

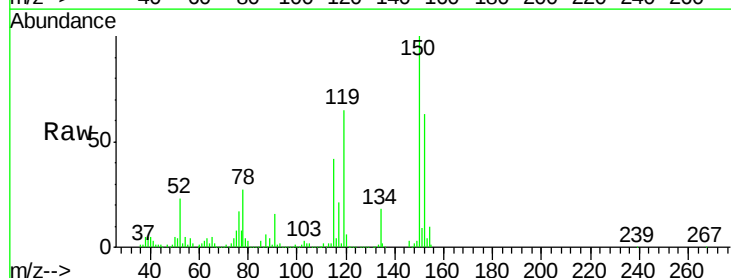
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

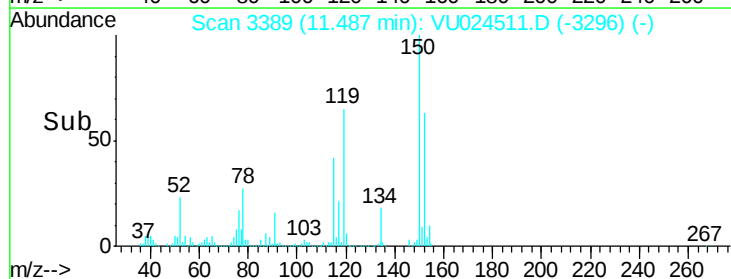
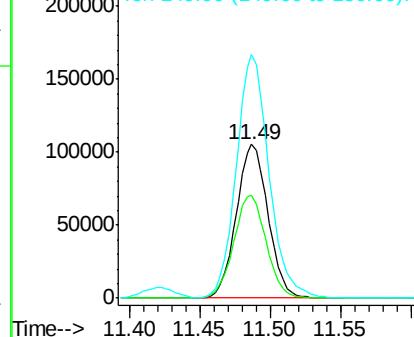
Lab File: VU024511.D

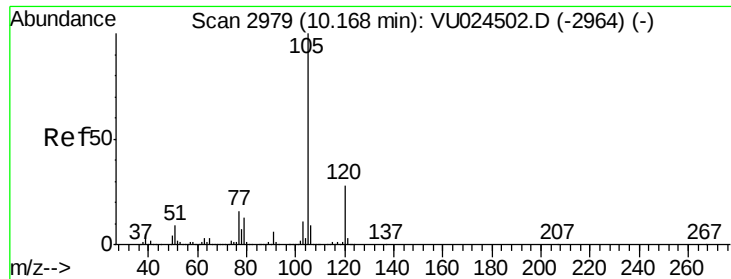
Acq: 13 Jun 2018 16:36

Tgt Ion:152	Resp:	166199
Ion Ratio	Lower	Upper
152 100		
115 68.4	43.0	129.0
150 162.9	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: 19.300 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 105 Resp: 246271

Ion Ratio Lower Upper

105 100

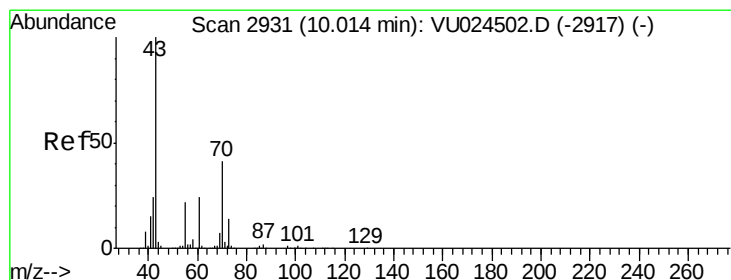
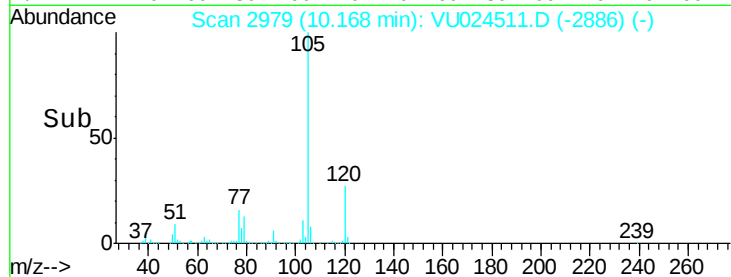
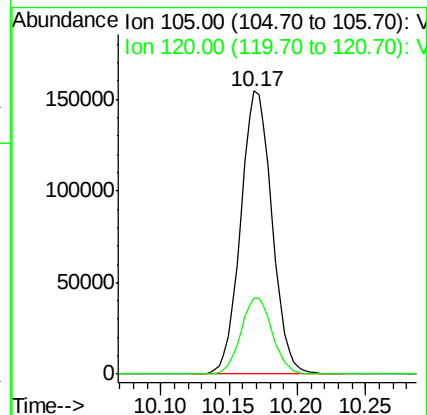
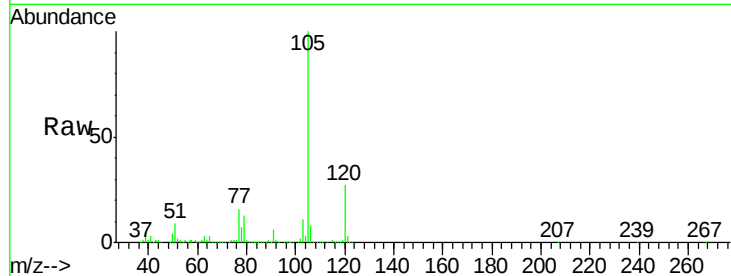
120 27.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.152 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion: 43 Resp: 116237

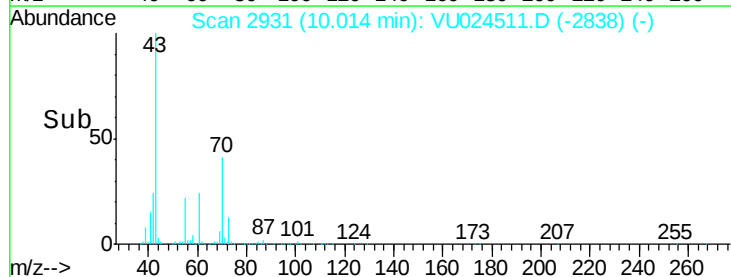
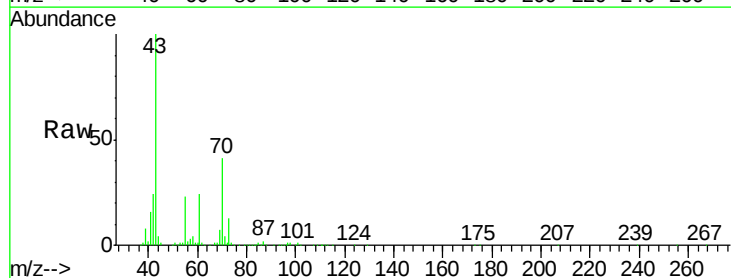
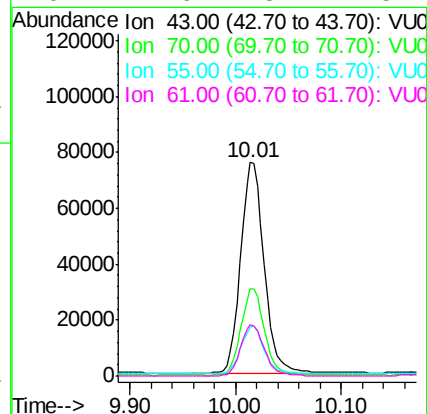
Ion Ratio Lower Upper

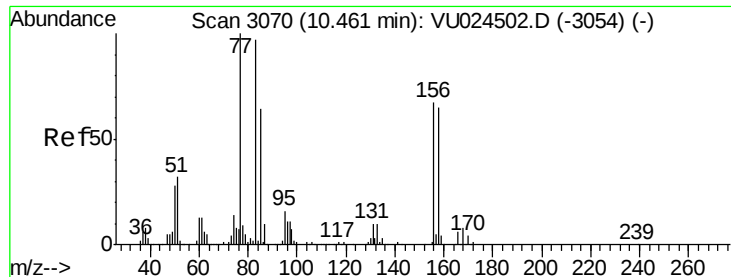
43 100

70 41.2 32.2 48.4

55 22.5 20.5 30.7

61 24.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.461 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 83 Resp: 83214

Ion Ratio Lower Upper

83 100

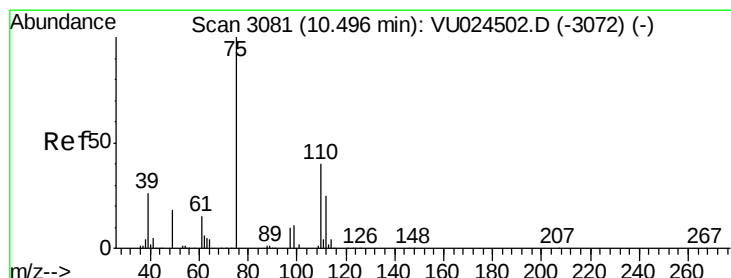
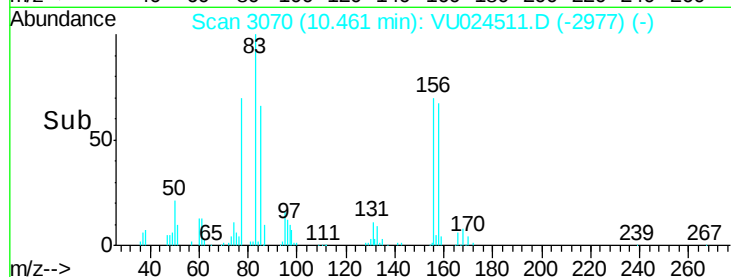
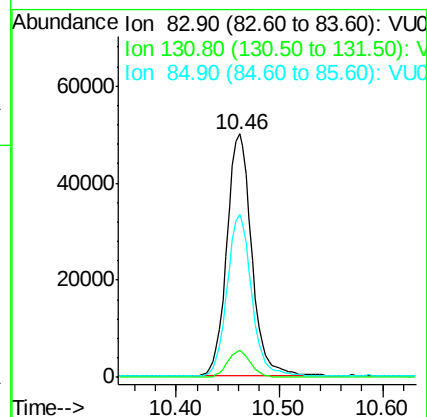
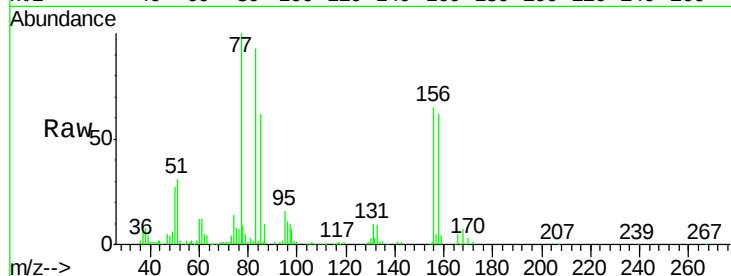
131 10.6 4.7 14.1

85 66.4 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 21.465 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024511.D

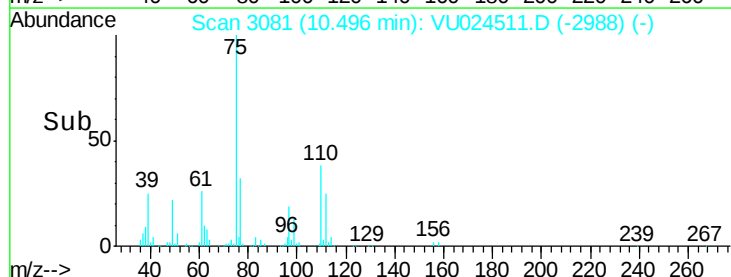
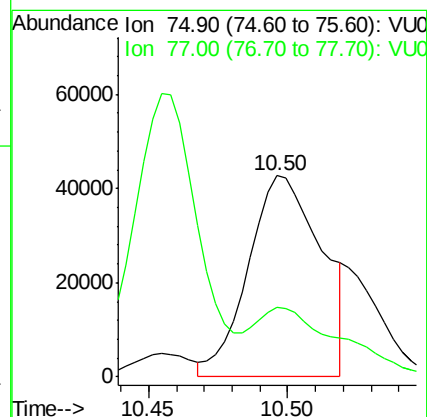
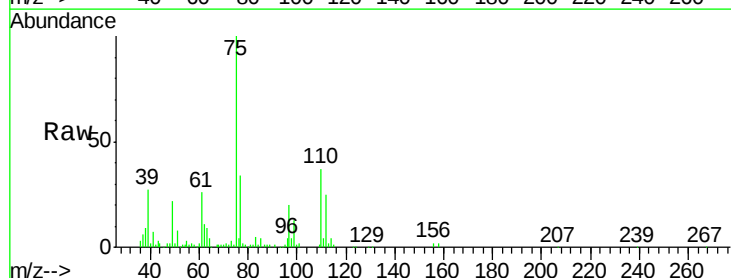
Acq: 13 Jun 2018 16:36

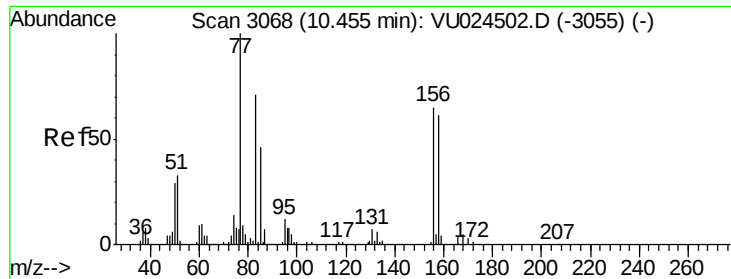
Tgt Ion: 75 Resp: 78544

Ion Ratio Lower Upper

75 100

77 40.2 20.9 62.7





#77

Bromobenzene

Concen: 18.975 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

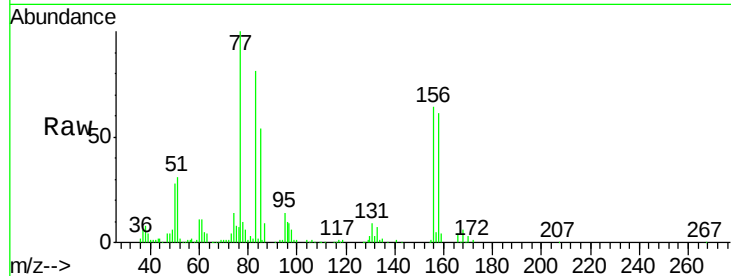
ClientSampleId :

VU0613WBS01

Tot Ion:	156	Resp:	61298
Ion Ratio	Lower	Upper	
156	100		
77	155.9	80.5	241.3
158	97.5	48.2	144.6

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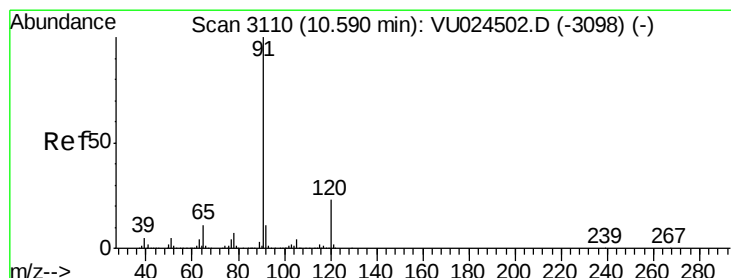
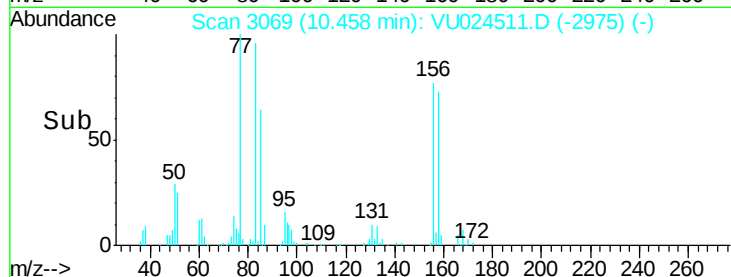
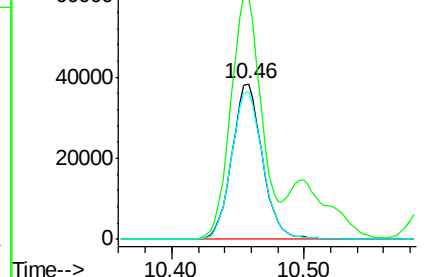
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.194 ug/l

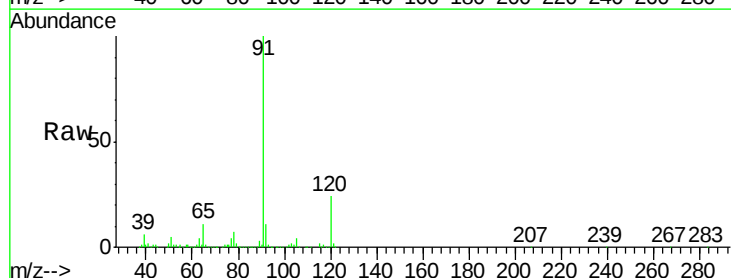
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024511.D

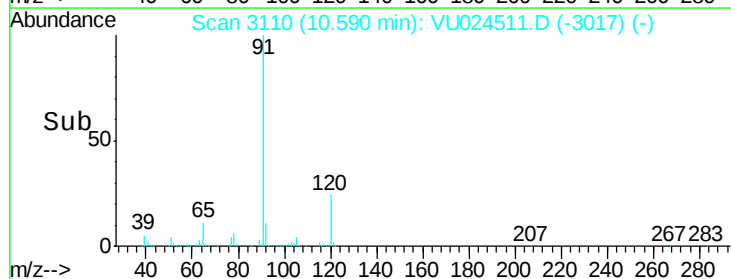
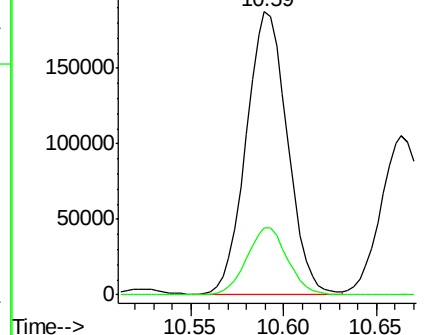
Acq: 13 Jun 2018 16:36

Tgt Ion:	91	Resp:	288508
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.765 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion: 91 Resp: 166336

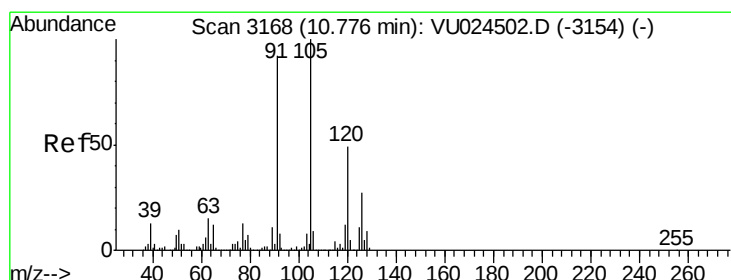
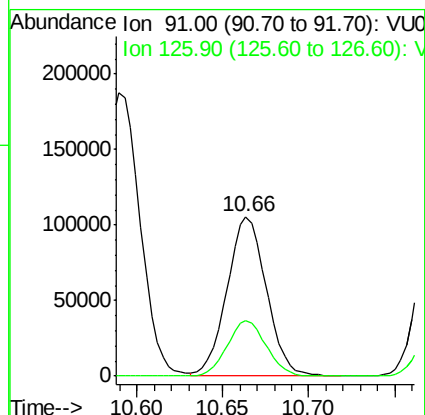
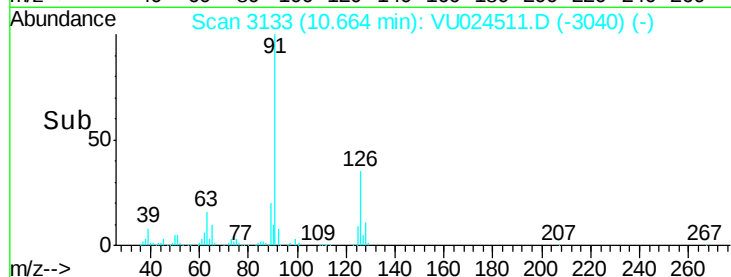
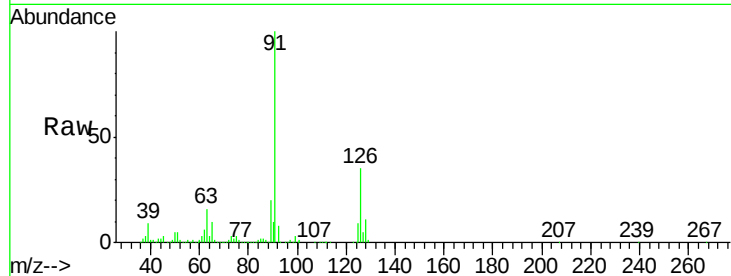
Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.715 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024511.D

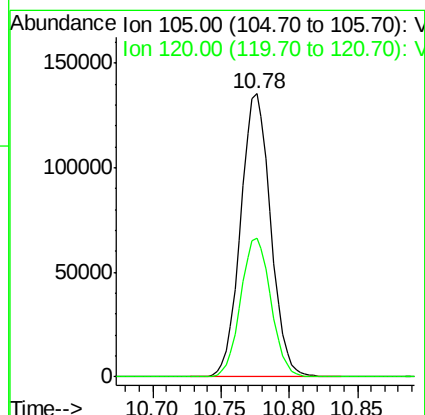
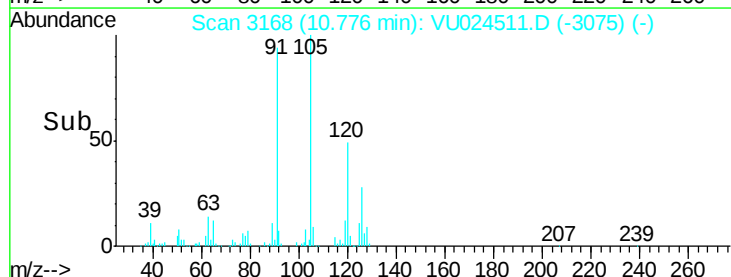
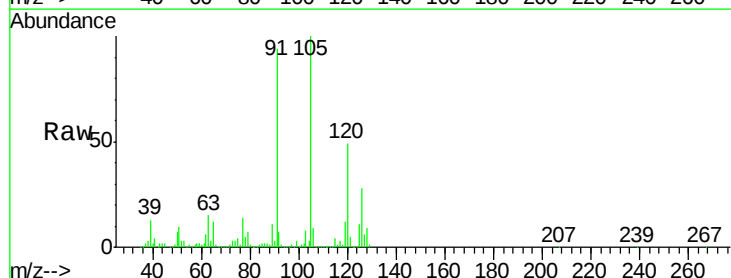
Acq: 13 Jun 2018 16:36

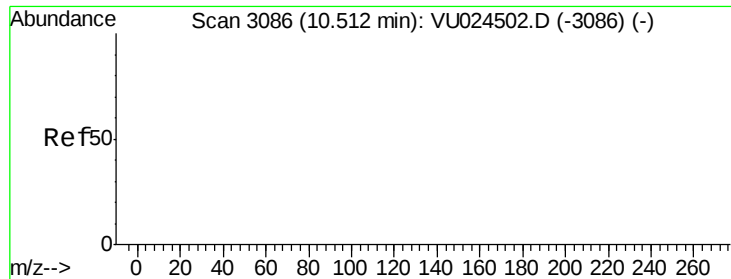
Tgt Ion: 105 Resp: 206979

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.720 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

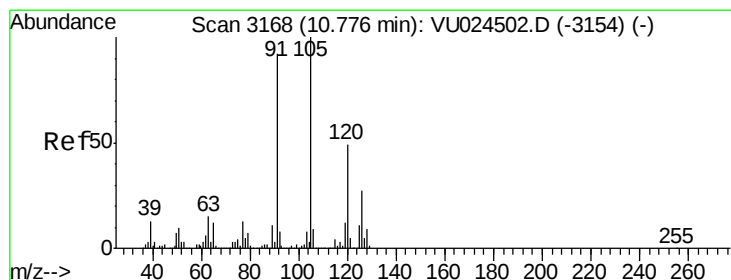
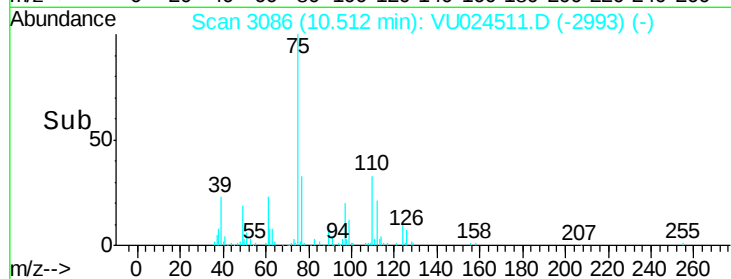
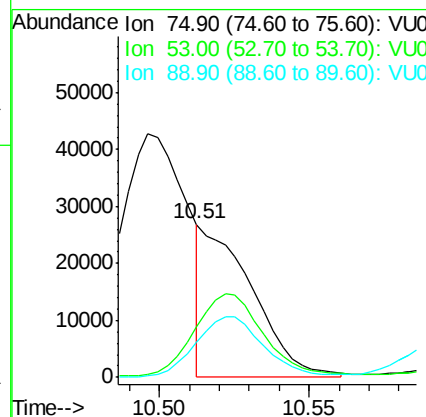
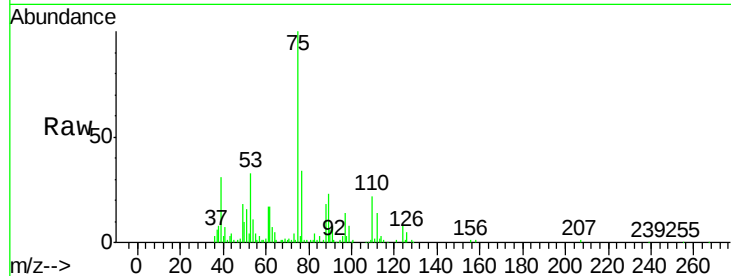
ClientSampleId :

VU0613WBS01

Tot Ion:	75	Resp:	31178
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.029 ug/l

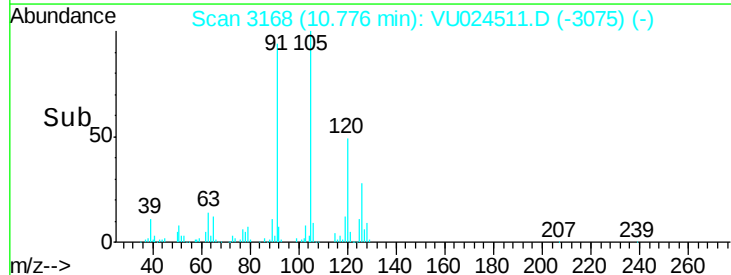
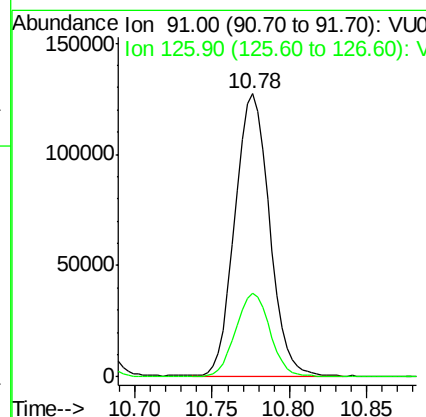
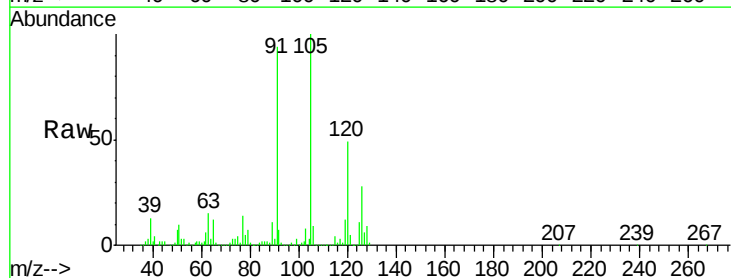
RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Tgt Ion:	91	Resp:	196319
Ion Ratio	Lower	Upper	
91	100		
126	29.8	14.9	44.9





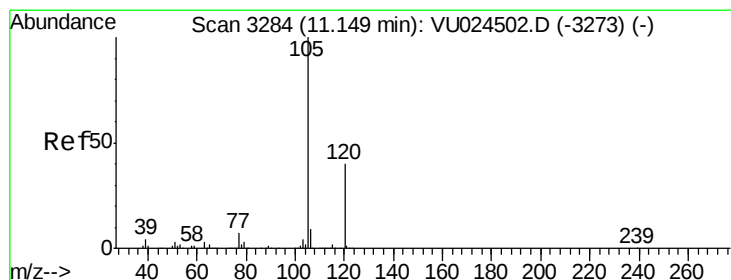
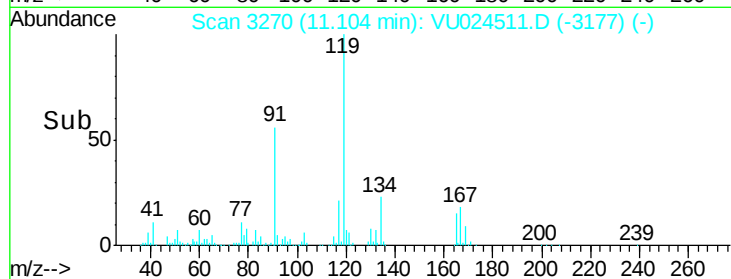
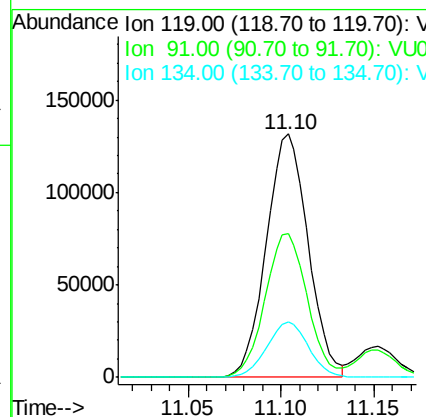
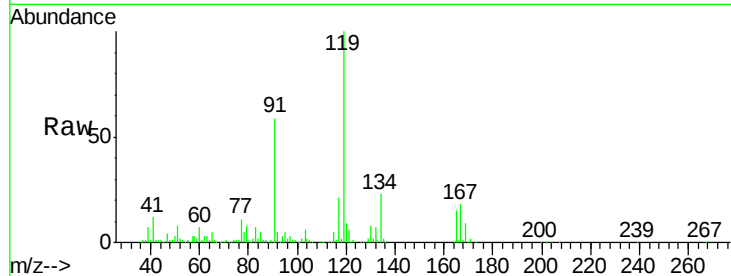
#83
tert-Butylbenzene
Concen: 19.551 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207998		
91	59.2	29.7	89.1	
134	22.6	11.6	34.7	

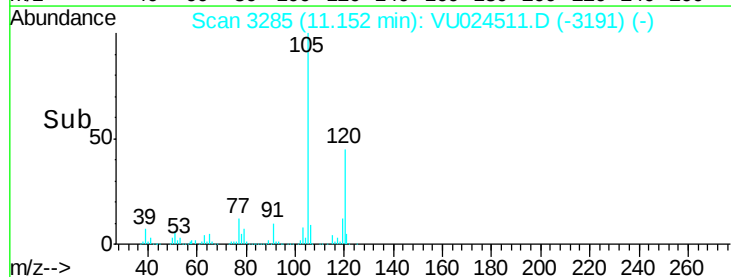
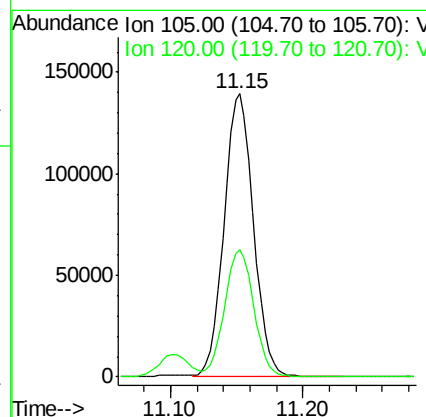
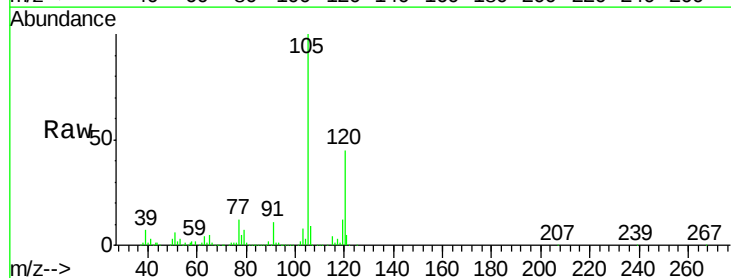
Manual Integrations
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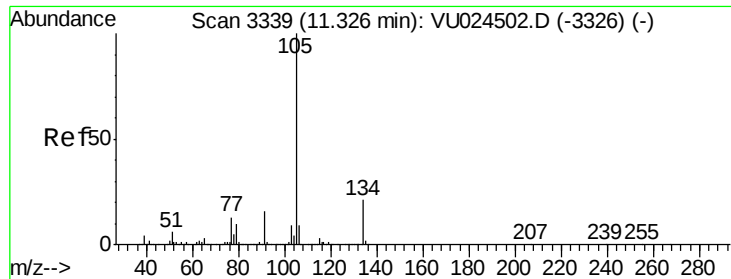
MMDadoda
6/14/2018 9:44:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.891 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212920		
120	45.3	22.6	67.8	





#85

sec-Butylbenzene

Concen: 19.018 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0613WBS01

Tot Ion:105 Resp: 253257

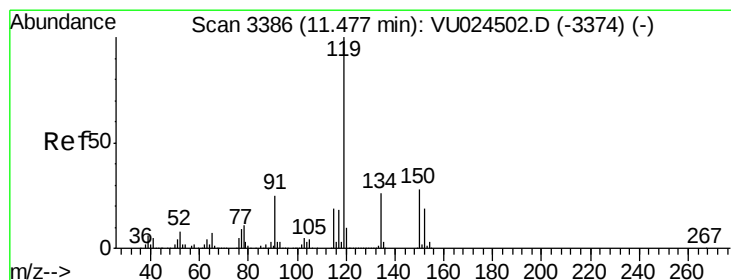
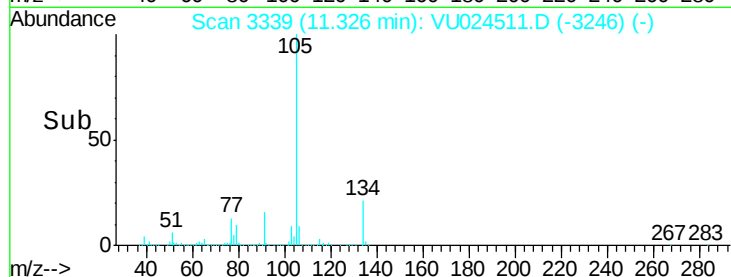
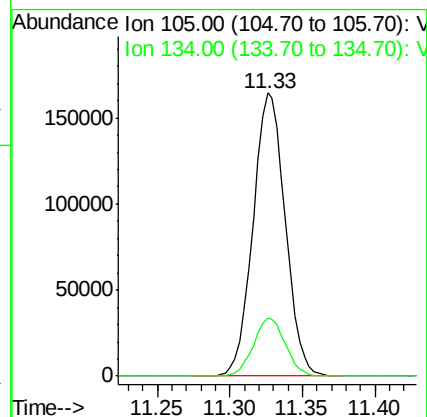
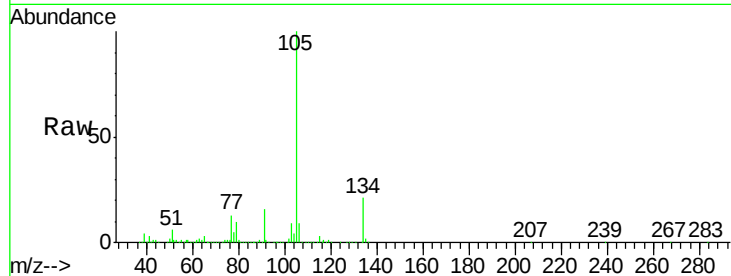
Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 18.569 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

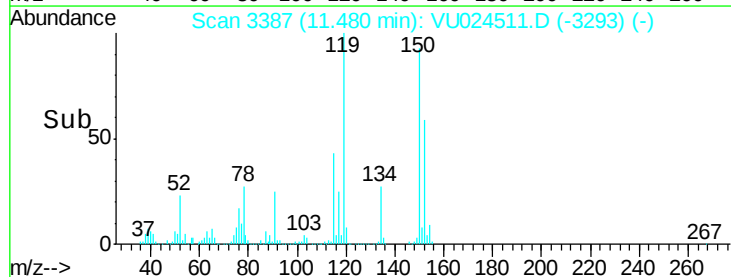
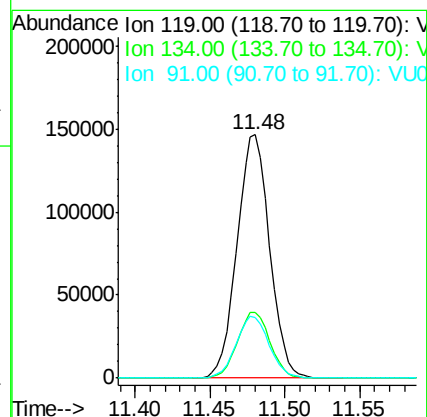
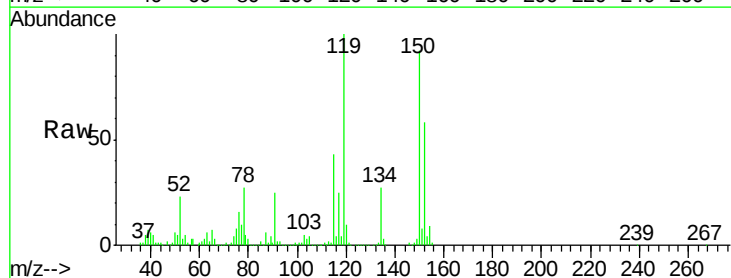
Tgt Ion:119 Resp: 221462

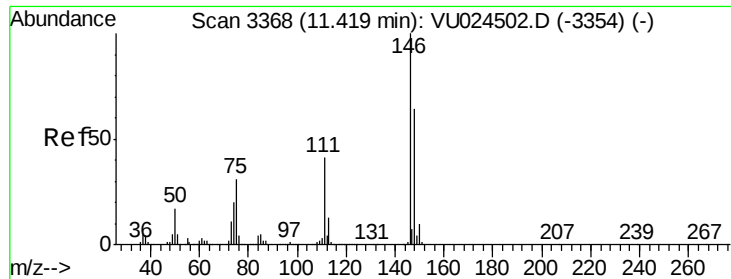
Ion Ratio Lower Upper

119 100

134 27.2 12.9 38.6

91 25.4 12.0 36.1





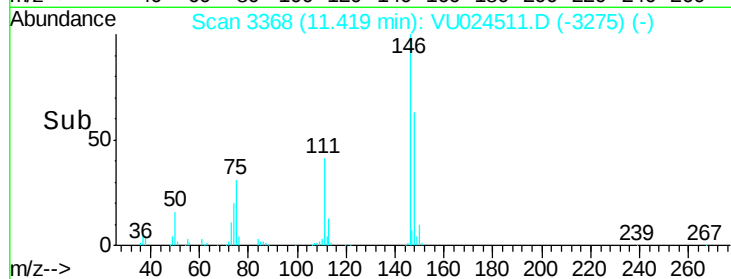
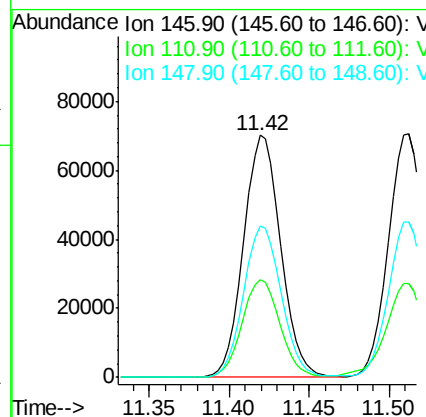
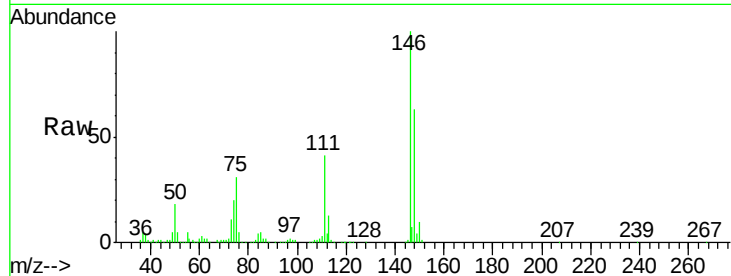
#87
 1,3-Dichlorobenzene
 Concen: 18.646 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.5	32.1	96.5

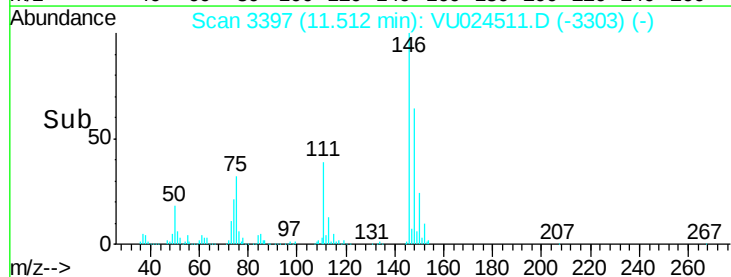
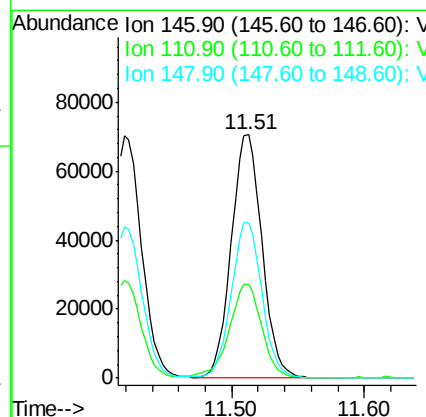
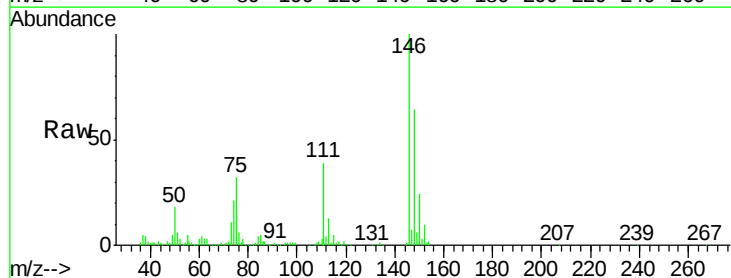
Manual Integrations
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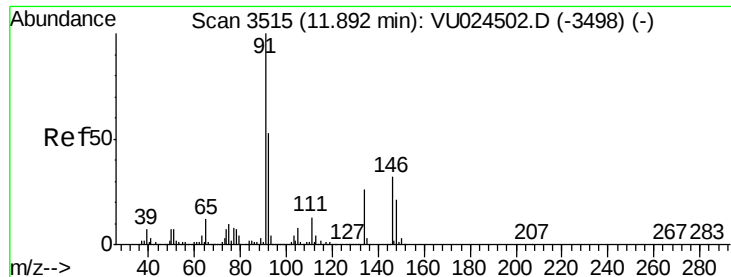
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.975 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.5	58.5
148	63.9	32.4	97.0





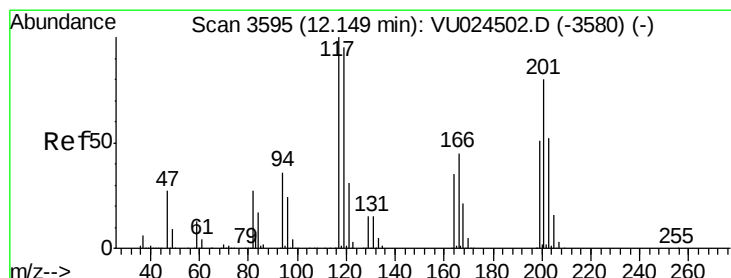
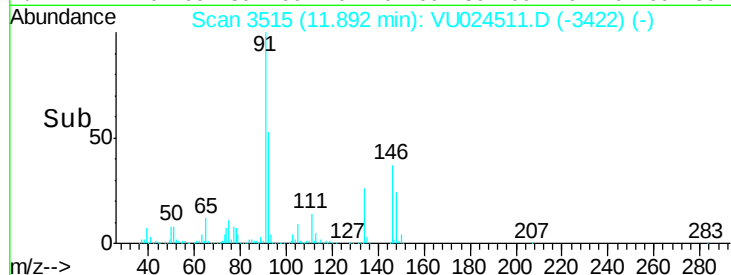
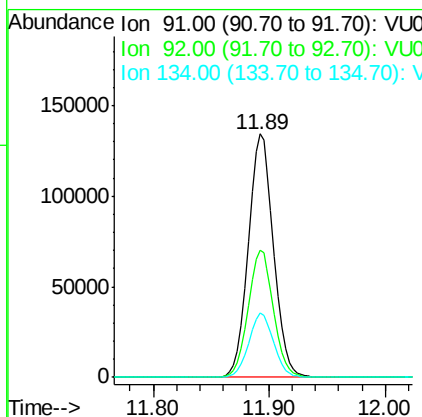
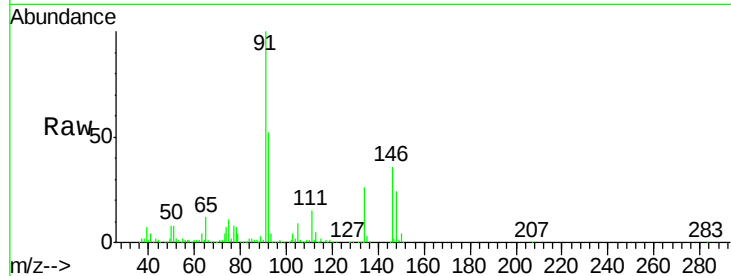
#89
n-Butylbenzene
Concen: 19.110 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0613WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.3	12.3	36.8

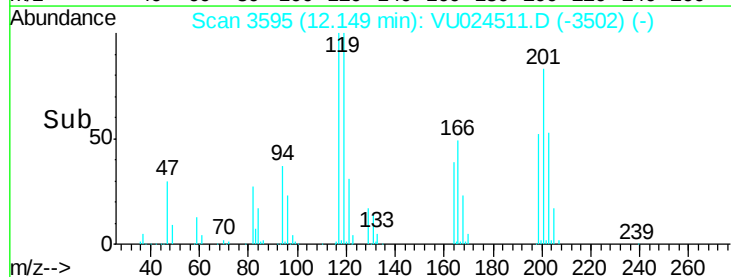
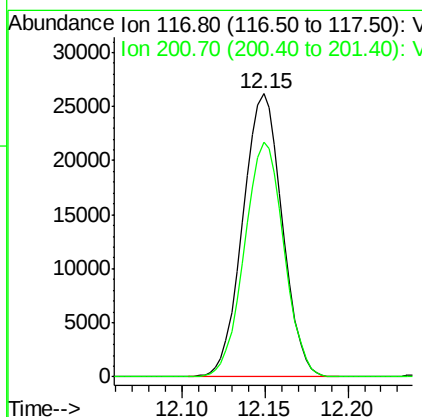
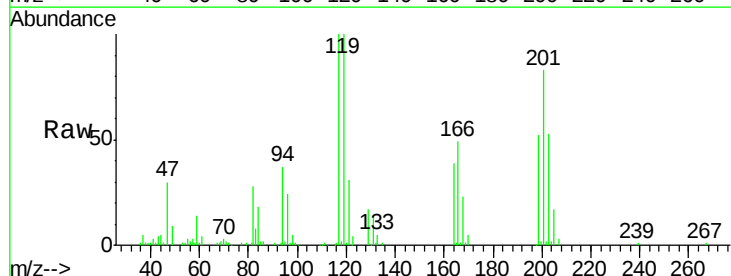
Manual Integrations
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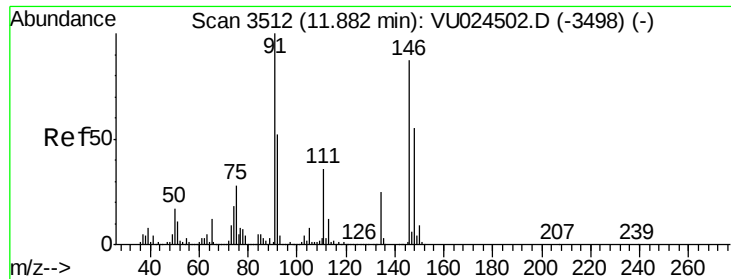
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#90
Hexachloroethane
Concen: 18.610 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024511.D
Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.1	123.3





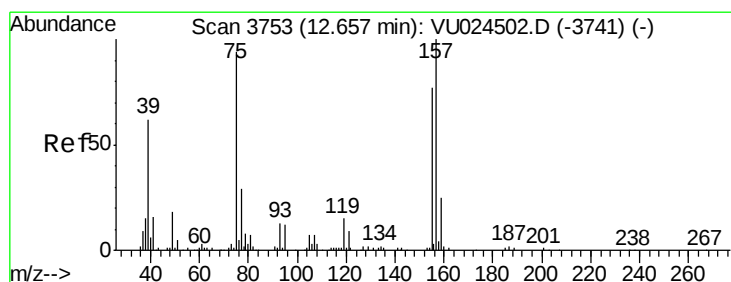
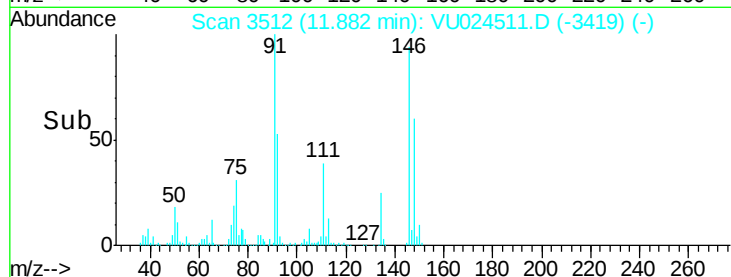
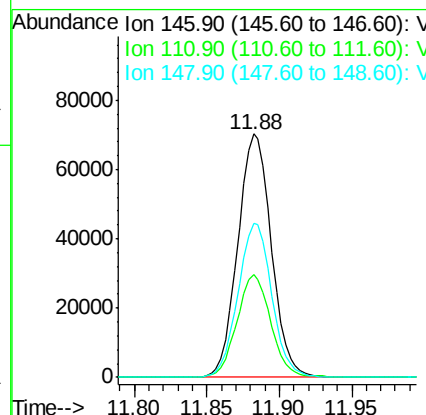
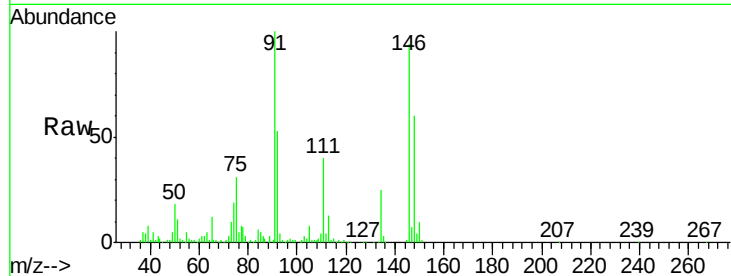
#91
 1,2-Dichlorobenzene
 Concen: 18.860 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.7	31.9	95.7

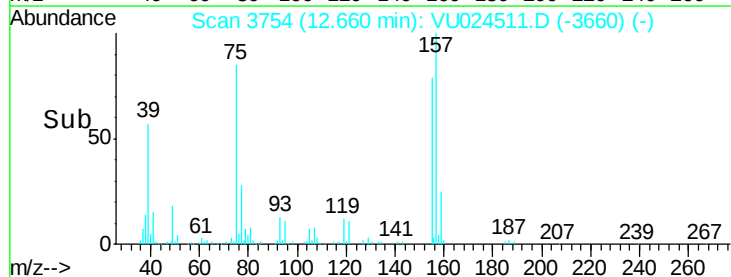
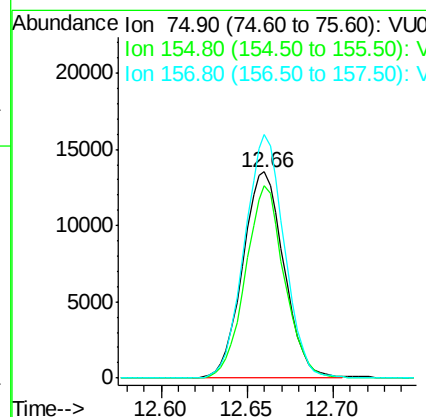
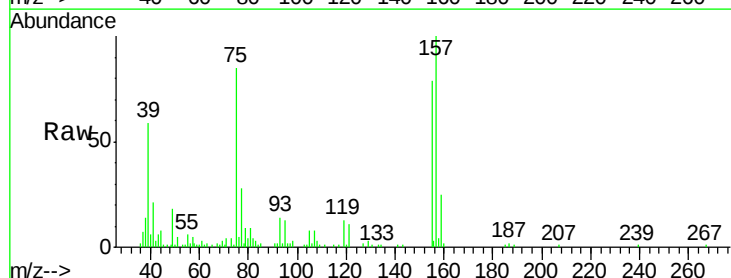
Manual Integrations
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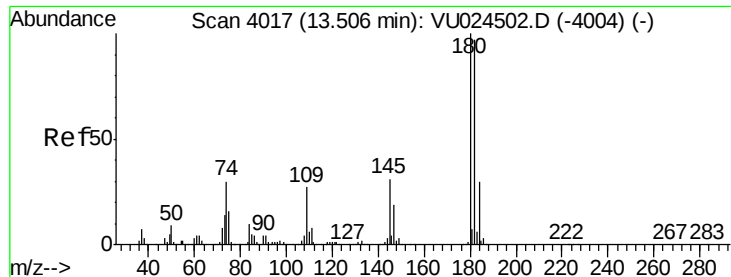
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.097 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	40.4	121.2
157	113.1	52.3	156.8





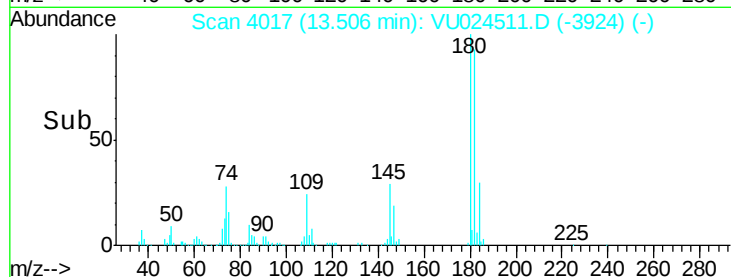
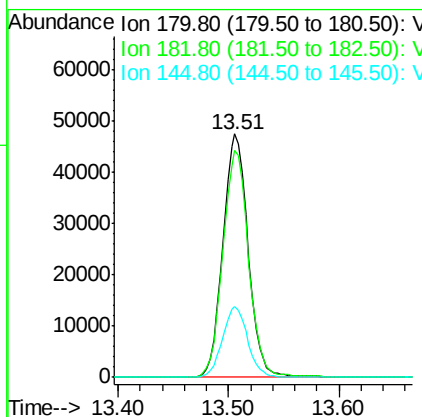
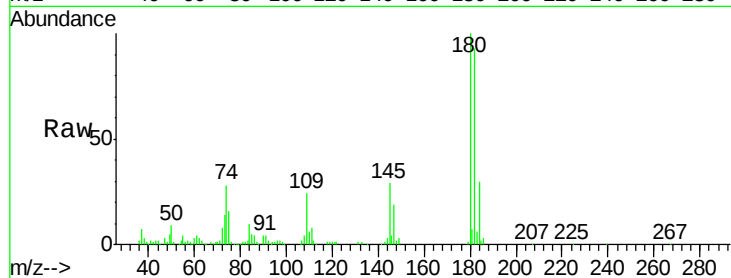
#93
 1,2,4-Trichlorobenzene
 Concen: 20.441 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75456		
182	95.3	48.0	144.2	
145	29.0	14.7	44.1	

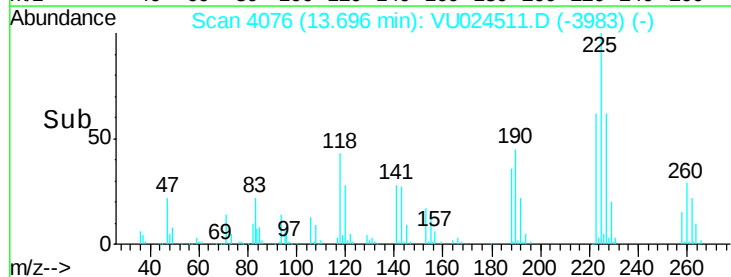
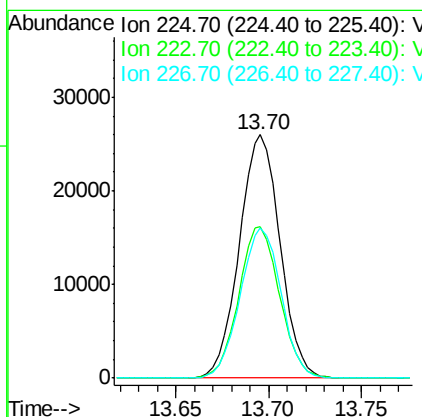
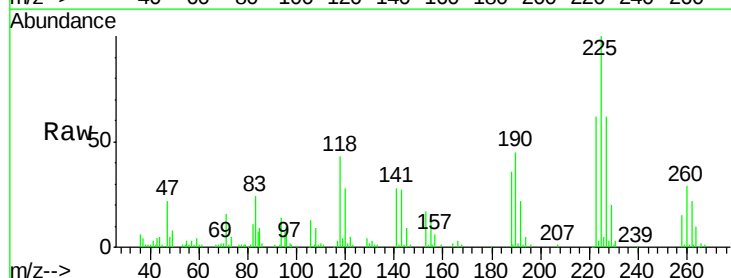
Manual Integrations
 APPROVED

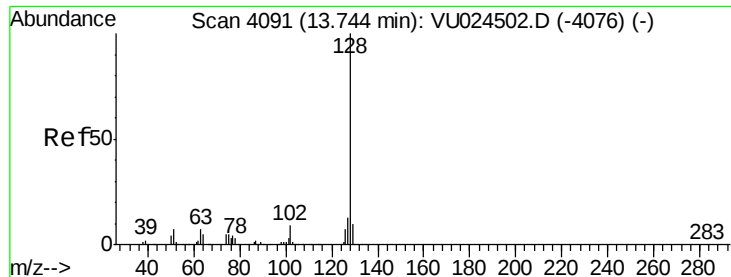
MMDadoda
 6/14/2018 9:44:57 AM



#94
 Hexachlorobutadiene
 Concen: 19.119 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024511.D
 Acq: 13 Jun 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39724		
223	62.7	31.3	93.8	
227	61.9	31.8	95.4	





#95

Naphthalene

Concen: 19.094 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

Instrument :

MSVOA_U

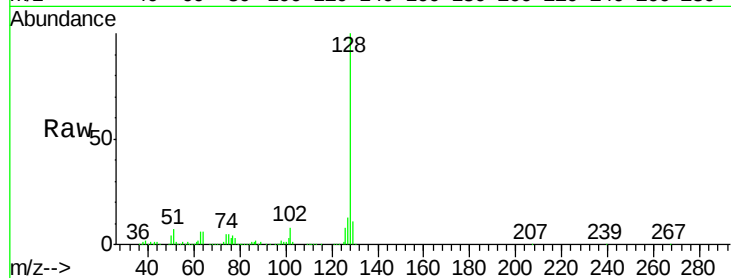
ClientSampleId :

VU0613WBS01

Tot Ion:	128	Resp:	228143
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
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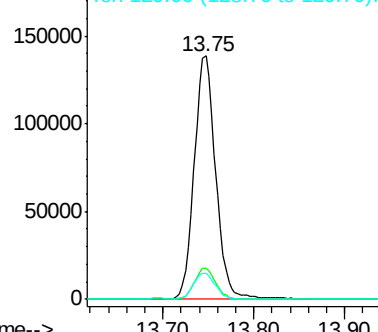
MMDadoda
6/14/2018 9:44:57 AM



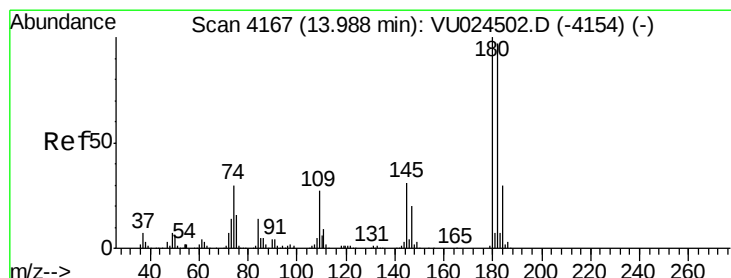
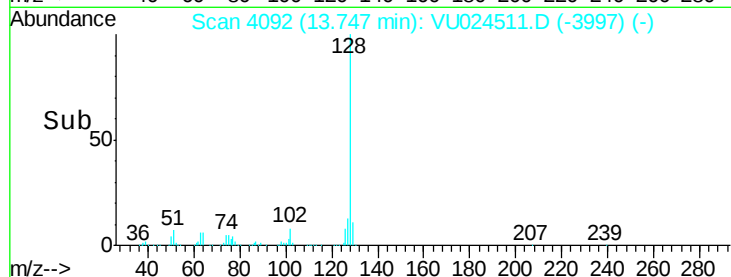
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.913 ug/l

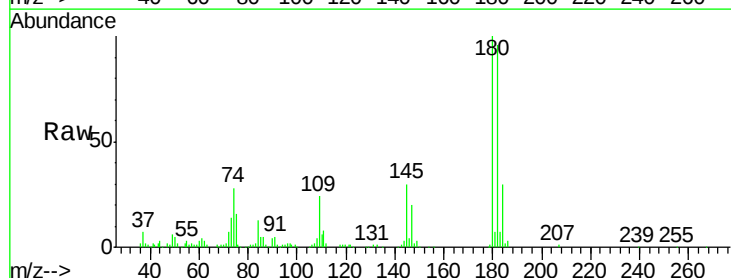
RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024511.D

Acq: 13 Jun 2018 16:36

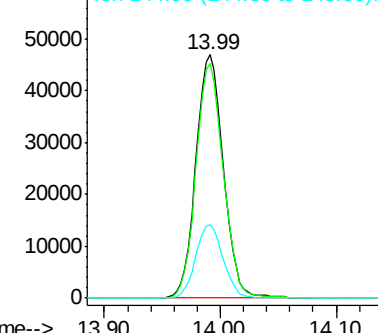
Tgt Ion:	180	Resp:	76926
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	30.3	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

