

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:22 AM

Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	16702	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	4.89	113	13172	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
50) Toluene-d8	7.57	98	46850	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	
62) 4-Bromofluorobenzene	10.31	95	17743	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	12061	4.073 ug/l	98
3) Chloromethane	1.33	50	12647	3.666 ug/l	95
4) Vinyl Chloride	1.40	62	13415	3.493 ug/l	100
5) Bromomethane	1.62	94	6301	2.985 ug/l	100
6) Chloroethane	1.70	64	8053	3.099 ug/l	96
7) Trichlorofluoromethane	1.89	101	20143	3.862 ug/l	93
8) Diethyl Ether	2.10	74	7783	3.733 ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	12212	4.206 ug/l #	93
10) Methyl Iodide	2.41	142	4246	2.307 ug/l #	91
11) Tert butyl alcohol	2.83	59	22890	31.153 ug/l	96
12) 1,1-Dichloroethene	2.28	96	12171	4.475 ug/l	89
13) Acrolein	2.19	56	11383	14.883 ug/l	98
14) Allyl chloride	2.60	41	22032	4.775 ug/l	93
15) Acrylonitrile	2.94	53	38071	19.400 ug/l	99
16) Acetone	2.32	43	41539	16.822 ug/l	99
17) Carbon Disulfide	2.48	76	36329	4.342 ug/l	99
18) Methyl Acetate	2.62	43	17485	3.563 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	42125	4.929 ug/l	100
20) Methylene Chloride	2.70	84	13524	3.986 ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	12171	4.171 ug/l	98
22) Diisopropyl ether	3.57	45	42115	4.530 ug/l #	86
23) Vinyl Acetate	3.53	43	185010	27.074 ug/l	99
24) 1,1-Dichloroethane	3.45	63	23602	4.054 ug/l	97
25) 2-Butanone	4.27	43	56253	19.051 ug/l	96
26) 2,2-Dichloropropane	4.23	77	22412	5.050 ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	14571	4.595 ug/l	100
28) Bromochloromethane	4.55	49	10792	5.062 ug/l	90
29) Tetrahydrofuran	4.64	42	35533	21.088 ug/l	96
30) Chloroform	4.68	83	24034	4.075 ug/l	99
31) Cyclohexane	5.00	56	25753	4.461 ug/l #	88
32) 1,1,1-Trichloroethane	4.92	97	21786	4.592 ug/l	97
36) 1,1-Dichloropropene	5.14	75	18143	4.195 ug/l	95
37) Ethyl Acetate	4.39	43	19044	3.927 ug/l #	89
38) Carbon Tetrachloride	5.14	117	20081	4.876 ug/l	98

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	21450	4.590	ug/l	95
40) Benzene	5.39	78	51570	3.956	ug/l	97
41) Methacrylonitrile	4.55	41	10502	3.864	ug/l #	96
42) 1,2-Dichloroethane	5.41	62	19202	3.846	ug/l	95
43) Isopropyl Acetate	5.55	43	33034	4.473	ug/l	96
44) Trichloroethene	6.19	130	14144	4.164	ug/l	99
45) 1,2-Dichloropropane	6.44	63	13658	3.899	ug/l	99
46) Dibromomethane	6.56	93	9774	4.214	ug/l	95
47) Bromodichloromethane	6.76	83	19522	4.351	ug/l #	98
48) Methyl methacrylate	6.63	41	16278	4.496	ug/l	96
49) 1,4-Dioxane	6.62	88	6064	79.393	ug/l #	78
51) 4-Methyl-2-Pentanone	7.46	43	106169	19.926	ug/l	97
52) Toluene	7.64	92	32799	4.240	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	20597	4.414	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	22013	4.323	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	12601	3.797	ug/l	94
56) Ethyl methacrylate	8.02	69	21683	5.013	ug/l	96
57) 1,3-Dichloropropane	8.25	76	22364	3.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	42363	19.043	ug/l	95
59) 2-Hexanone	8.36	43	85118	19.968	ug/l	99
60) Dibromochloromethane	8.48	129	15829	4.701	ug/l	99
61) 1,2-Dibromoethane	8.59	107	15039	4.332	ug/l	99
64) Tetrachloroethene	8.23	164	13962	5.008	ug/l	98
65) Chlorobenzene	9.12	112	36609	4.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	14186	5.064	ug/l	99
67) Ethyl Benzene	9.26	91	63907	4.856	ug/l	97
68) m/p-Xylenes	9.38	106	49256	9.826	ug/l	96
69) o-Xylene	9.78	106	24735	5.353	ug/l	94
70) Styrene	9.80	104	39411	5.010	ug/l	98
71) Bromoform	9.96	173	12764	5.279	ug/l #	95
73) Isopropylbenzene	10.17	105	63738	5.835	ug/l	98
74) N-amyl acetate	10.02	43	30047	6.077	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	20438	4.314	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	19256m	5.794	ug/l	
77) Bromobenzene	10.46	156	16104	5.324	ug/l	93
78) n-propylbenzene	10.59	91	75667	5.587	ug/l	96
79) 2-Chlorotoluene	10.66	91	43538	5.296	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	55557	5.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	7782m	4.967	ug/l	
82) 4-Chlorotoluene	10.78	91	50997	5.347	ug/l	98
83) tert-Butylbenzene	11.10	119	53481	5.931	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	56228	6.006	ug/l	99
85) sec-Butylbenzene	11.33	105	66144	5.842	ug/l	97
86) p-Isopropyltoluene	11.48	119	58336	5.830	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28681	4.933	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	29793	4.895	ug/l	98
89) n-Butylbenzene	11.90	91	50235	5.102	ug/l	96
90) Hexachloroethane	12.15	117	11278	6.287	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	29119	5.009	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	5526	5.714	ug/l	94

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

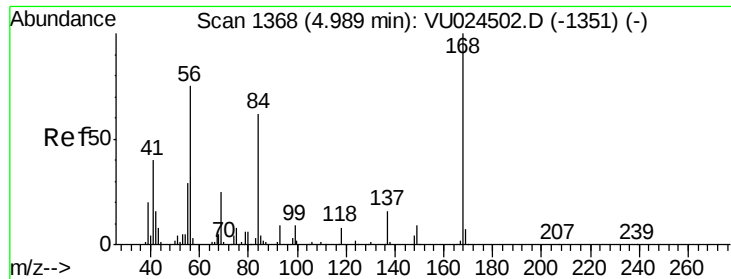
Manual Integrations
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MMDadoda
6/14/2018 9:44:22 AM

Quant Time: Jun 13 13:11:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:03:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	15864	4.620	ug/l	96
94) Hexachlorobutadiene	13.70	225	9879	4.843	ug/l	100
95) Naphthalene	13.75	128	44133	4.700	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	15680	4.519	ug/l	97

(#) = 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: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 195345

Ion Ratio Lower Upper

168 100

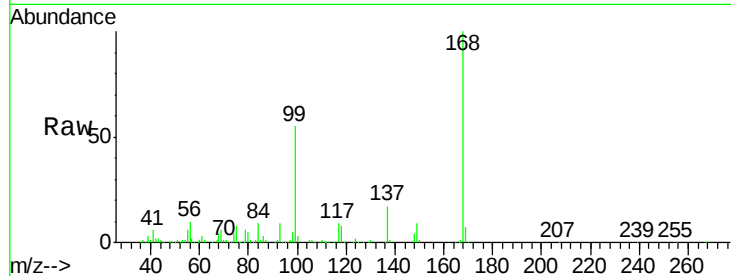
99 54.1 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU024500.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024500.D (-1275) (-)

4.99

80000

60000

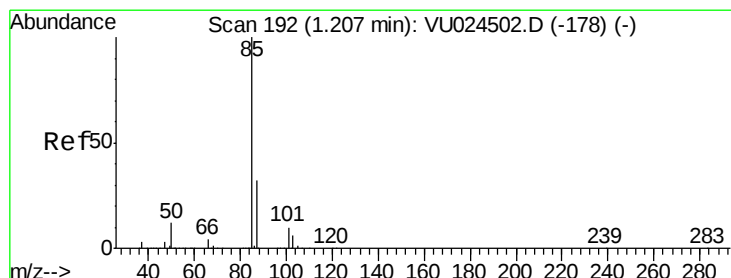
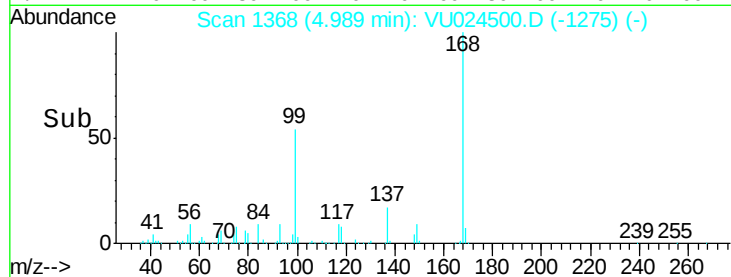
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.073 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024500.D

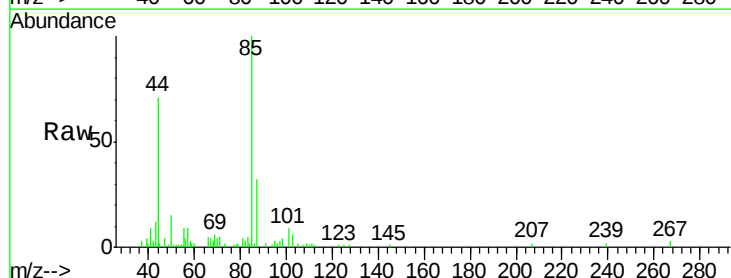
Acq: 13 Jun 2018 11:56

Tgt Ion: 85 Resp: 12061

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024500.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU024500.D (-99) (-)

1.21

12000

10000

8000

6000

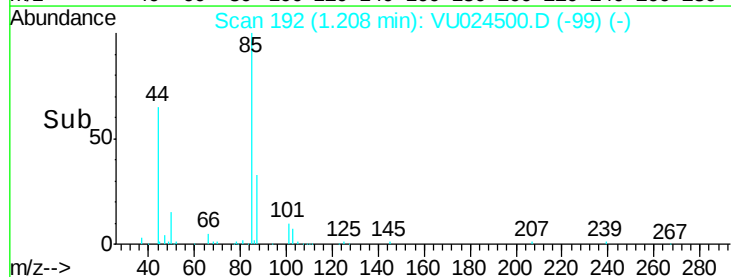
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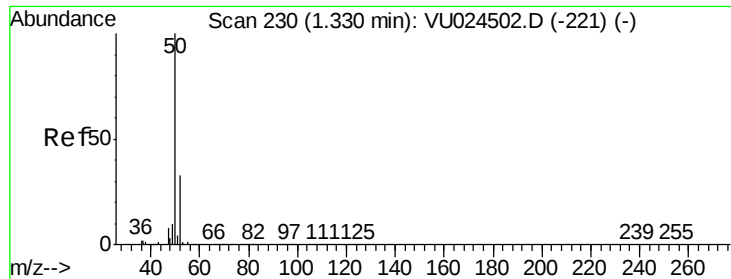
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 3.666 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 12647

Ion Ratio Lower Upper

50 100

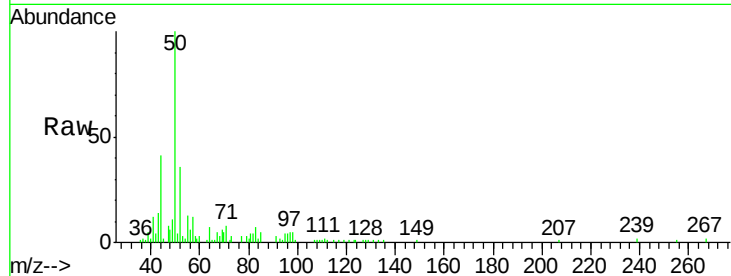
52 36.0 26.4 39.6

Manual Integrations

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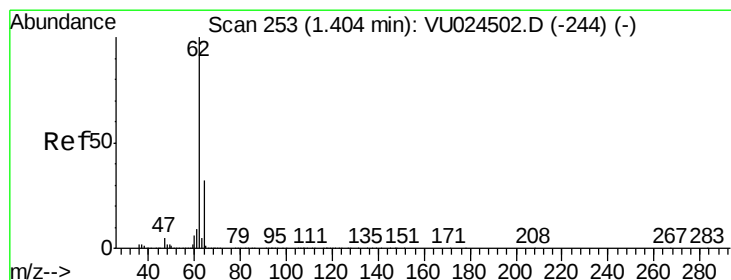
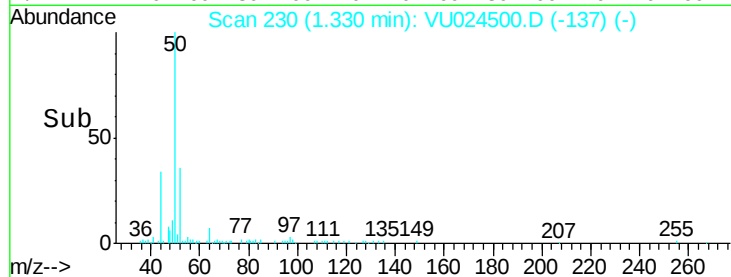
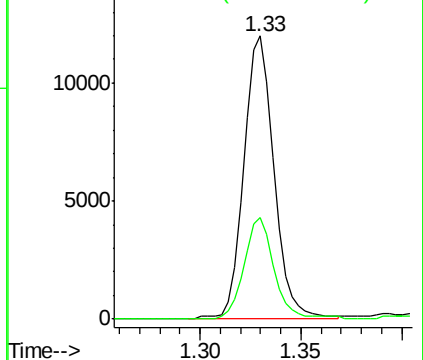
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 3.493 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024500.D

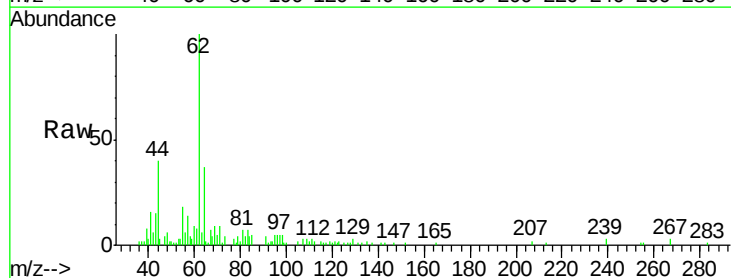
Acq: 13 Jun 2018 11:56

Tgt Ion: 62 Resp: 13415

Ion Ratio Lower Upper

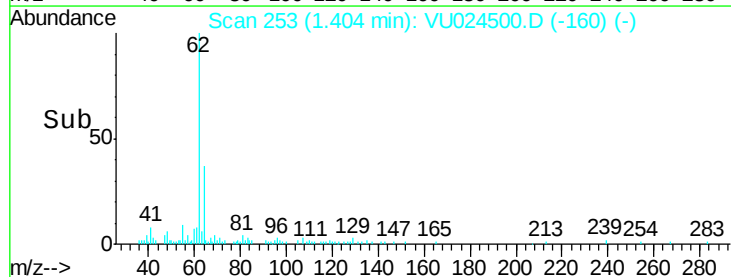
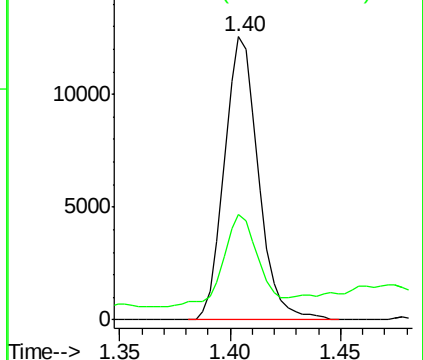
62 100

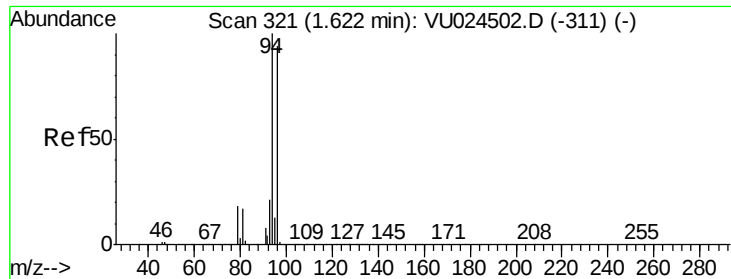
64 30.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 2.985 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 6301

Ion Ratio Lower Upper

94 100

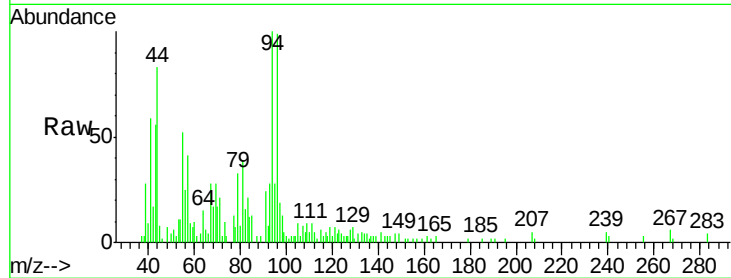
96 93.2 74.5 111.7

Manual Integrations

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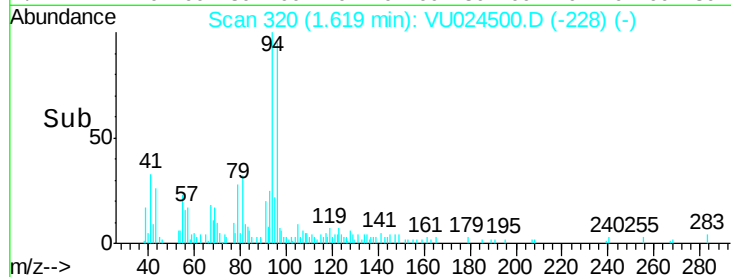


Abundance Ion 93.90 (93.60 to 94.60): VU024500.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024500.D (-228) (-)

1.62

Time-->



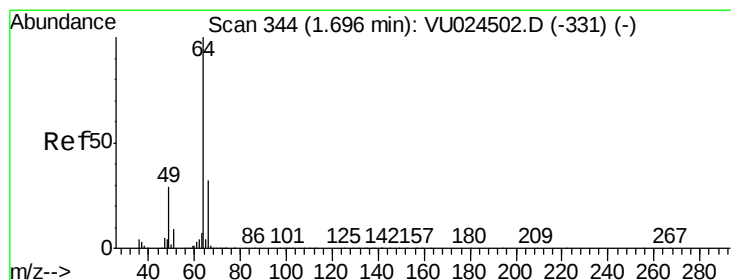
Abundance

Ion 93.90 (93.60 to 94.60): VU024500.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024500.D (-228) (-)

1.62

Time-->



#6

Chloroethane

Concen: 3.099 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024500.D

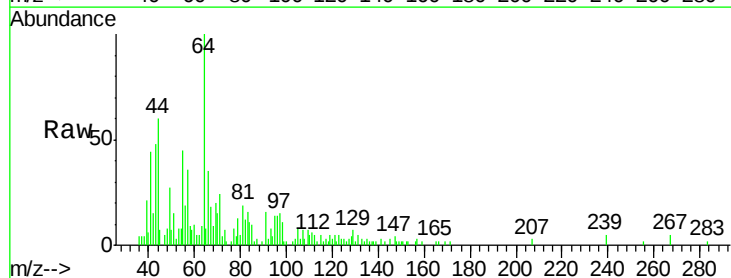
Acq: 13 Jun 2018 11:56

Tgt Ion: 64 Resp: 8053

Ion Ratio Lower Upper

64 100

66 34.3 25.5 38.3

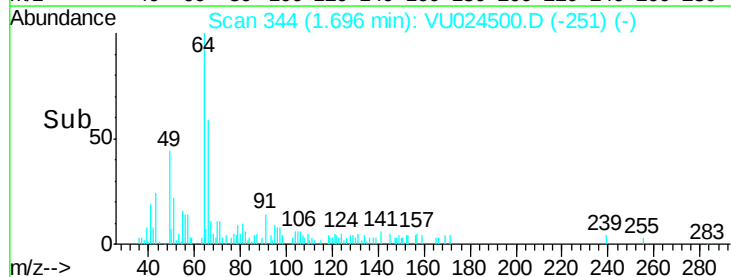


Abundance Ion 63.90 (63.60 to 64.60): VU024500.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024500.D (-251) (-)

1.70

Time-->



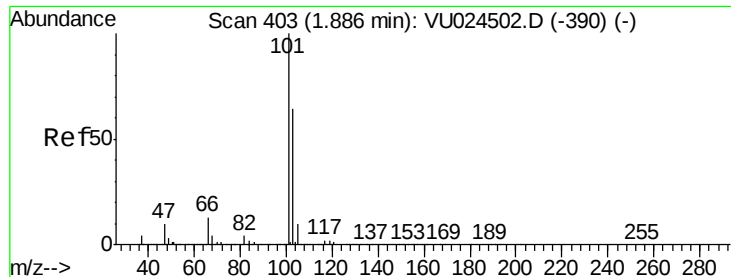
Abundance

Ion 63.90 (63.60 to 64.60): VU024500.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024500.D (-251) (-)

1.70

Time-->



#7

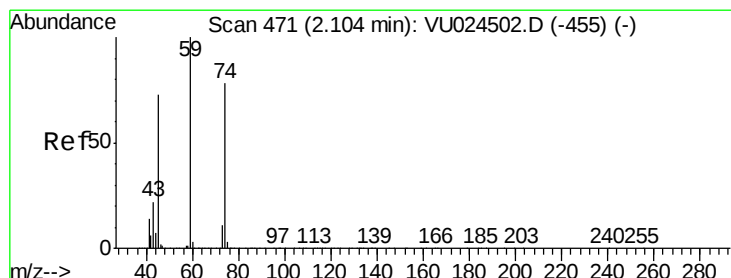
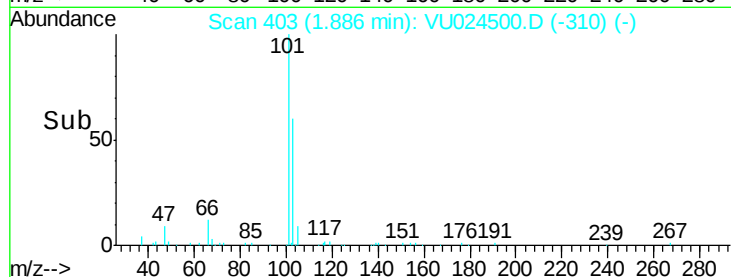
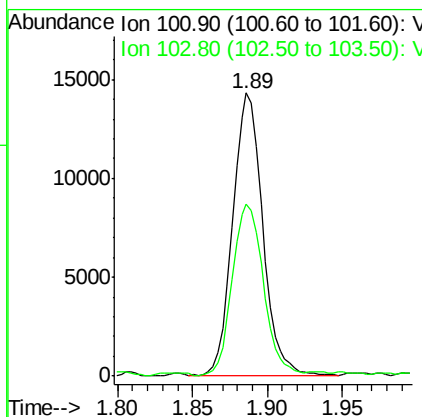
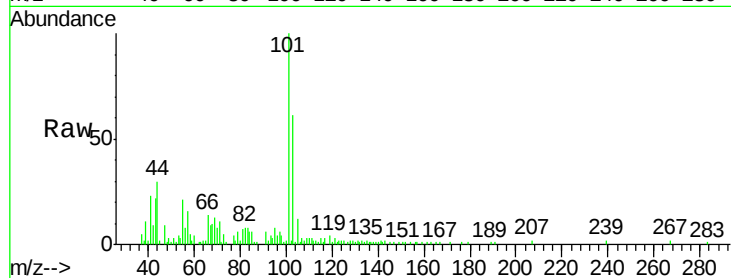
Trichlorofluoromethane
 Concen: 3.862 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.3	78.5

Manual Integrations
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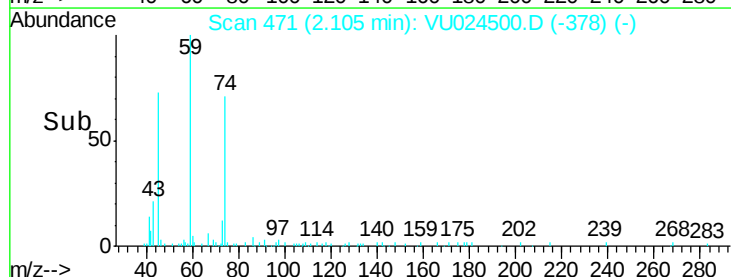
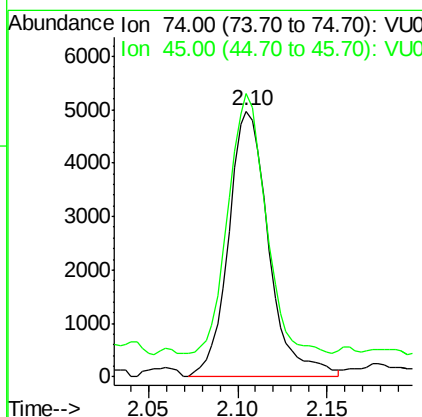
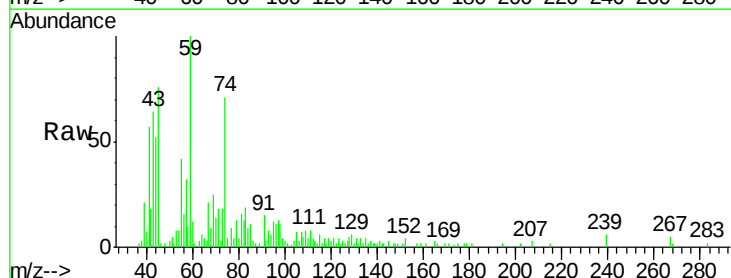
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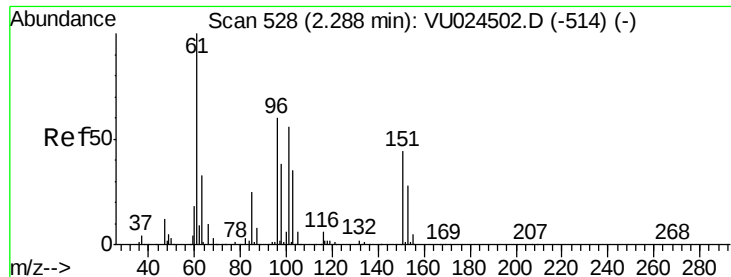


#8

Diethyl Ether
 Concen: 3.733 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.206 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

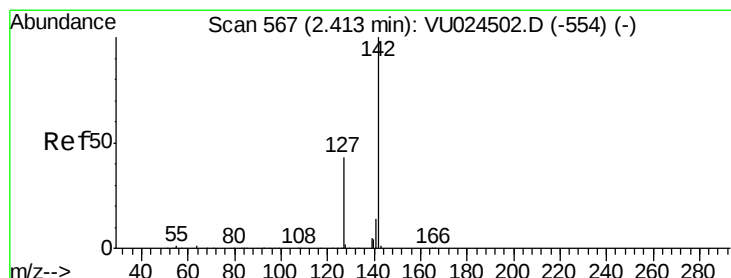
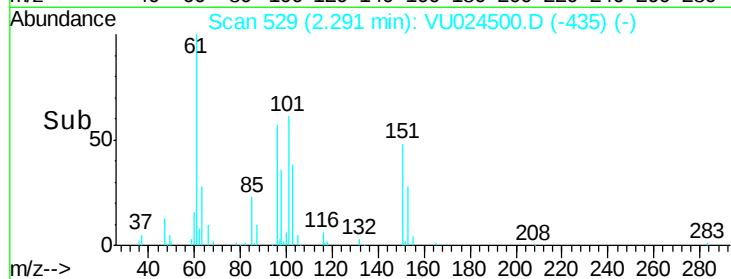
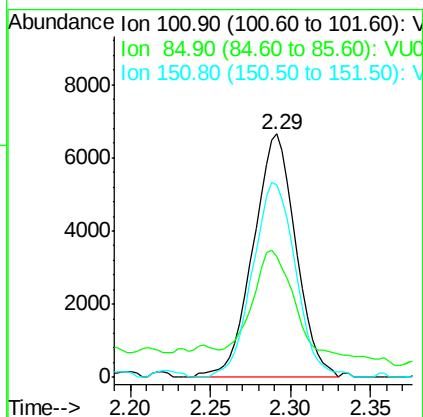
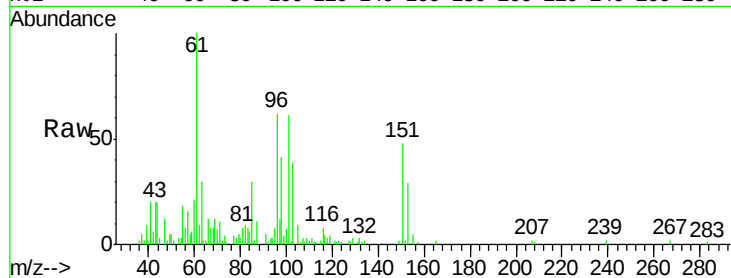
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	12212
Ion Ratio	Lower	Upper	
101	100		
85	54.2	36.0	54.0#
151	80.8	62.3	93.5

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#10

Methyl Iodide

Concen: 2.307 ug/l

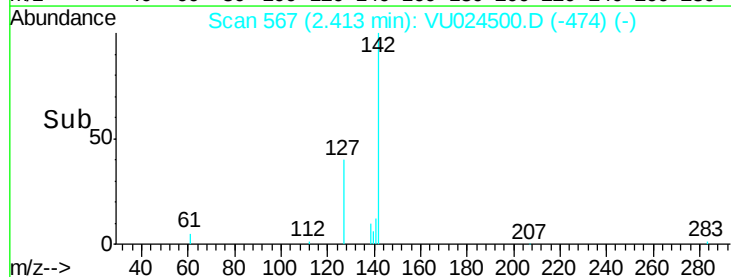
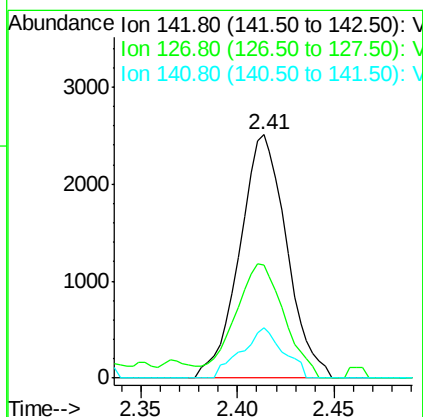
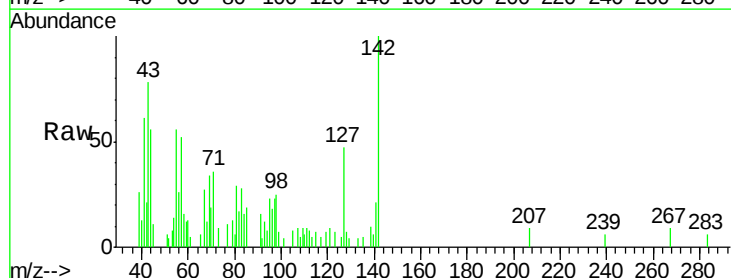
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	142	Resp:	4246
Ion Ratio	Lower	Upper	
142	100		
127	49.9	35.6	53.4
141	18.4	11.7	17.5#





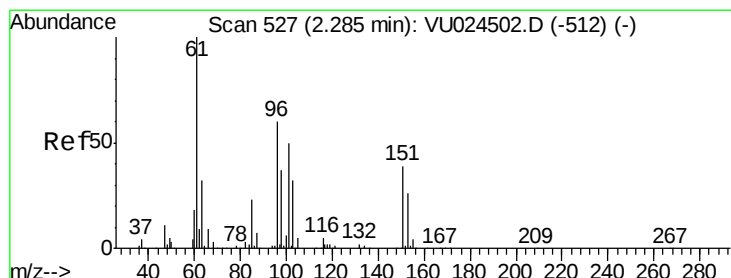
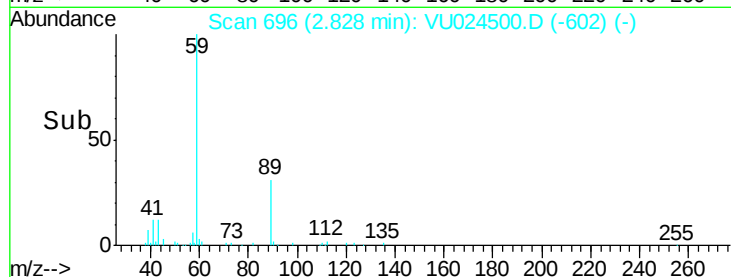
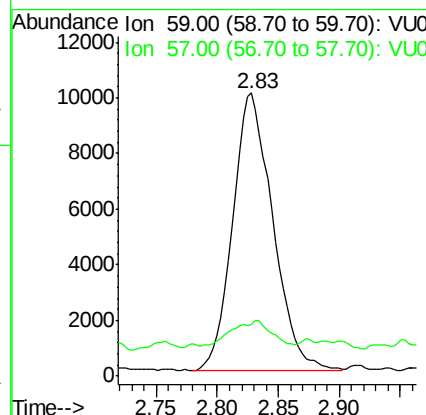
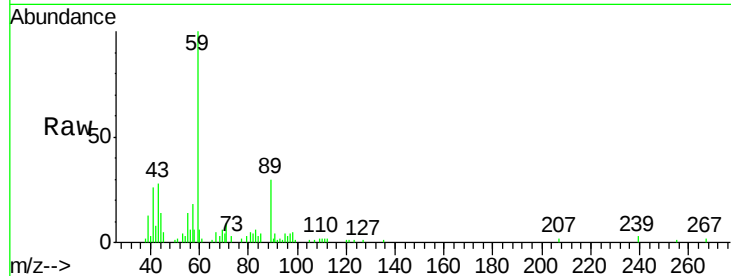
#11
Tert butyl alcohol
Concen: 31.153 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	22890		
57	9.0		8.5	12.7

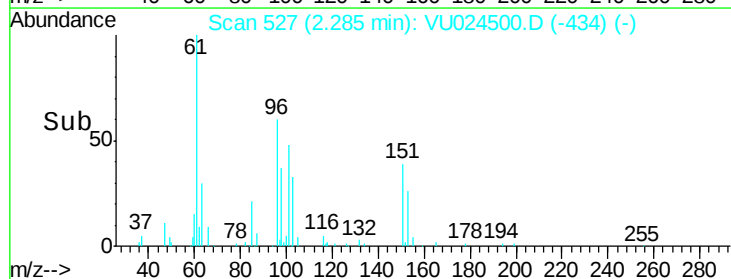
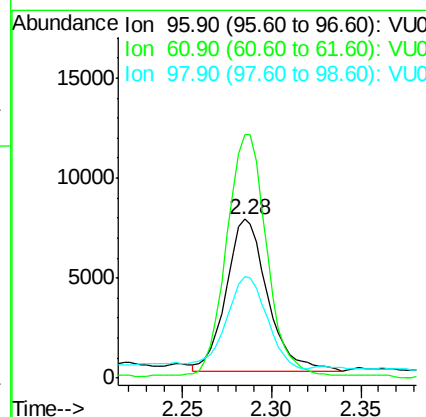
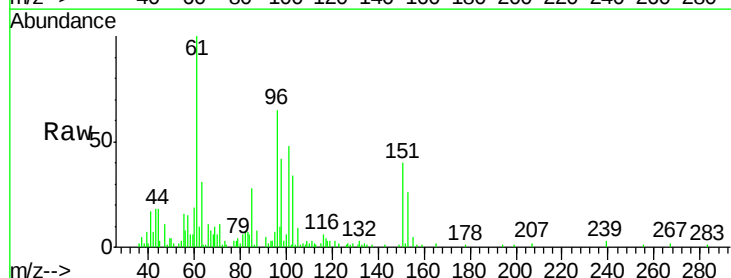
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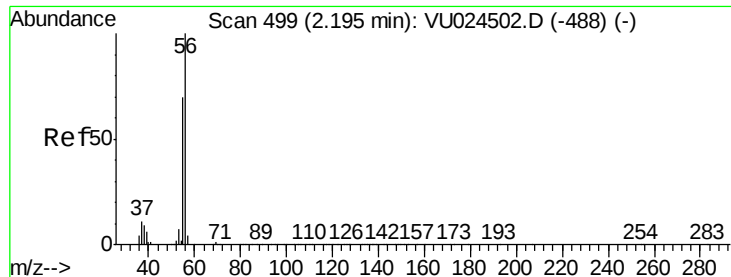
MMDadoda
6/14/2018 9:44:22 AM



#12
1,1-Dichloroethene
Concen: 4.475 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	12171		
61	158.4		141.7	212.5
98	59.9		51.6	77.4





#13

Acrolein

Concen: 14.883 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 11383

Ion Ratio Lower Upper

56 100

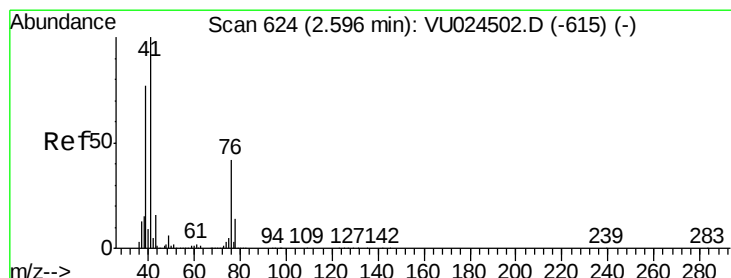
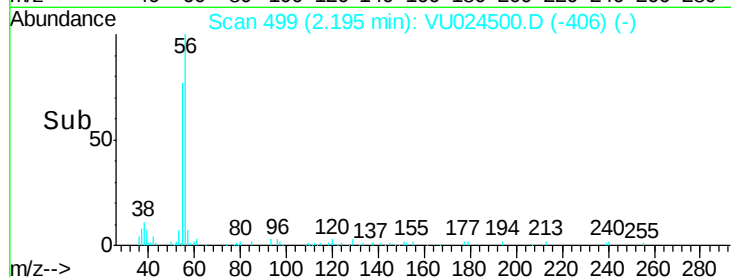
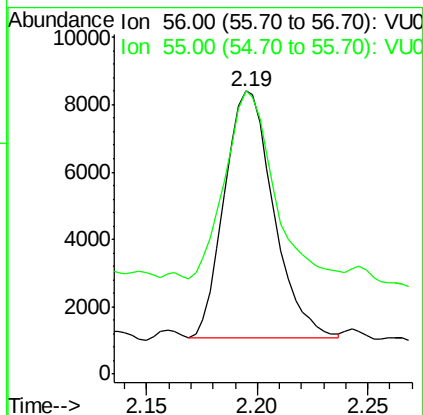
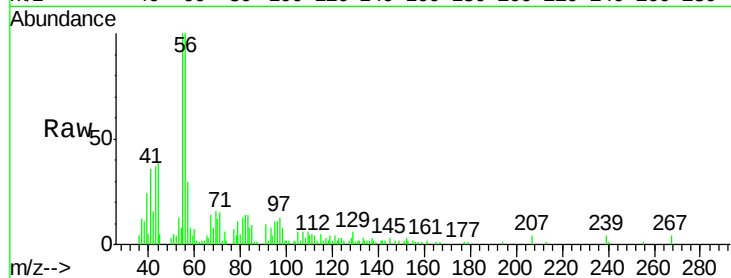
55 74.7 58.4 87.6

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#14

Allyl chloride

Concen: 4.775 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

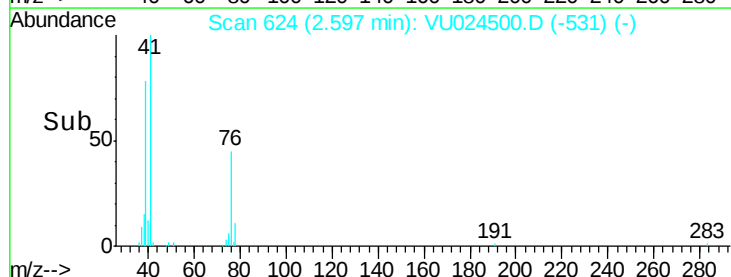
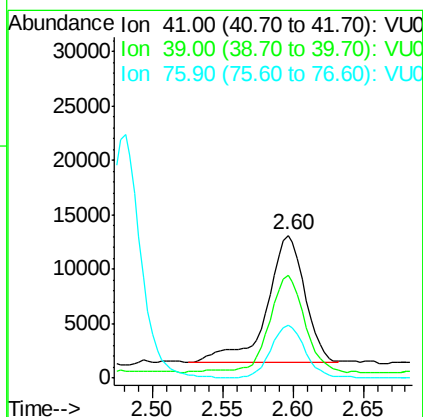
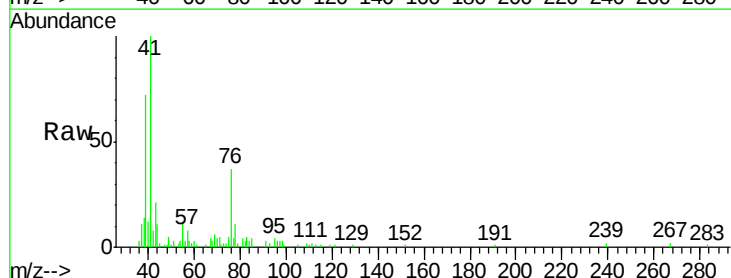
Tgt Ion: 41 Resp: 22032

Ion Ratio Lower Upper

41 100

39 68.7 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 19.400 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

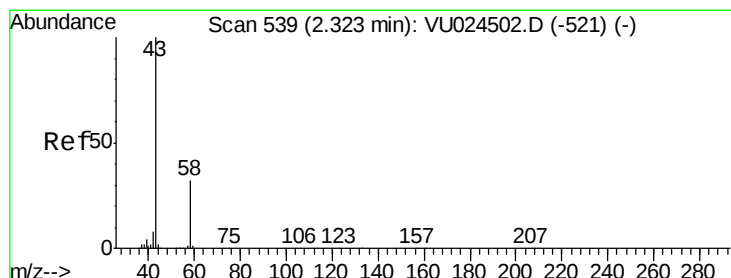
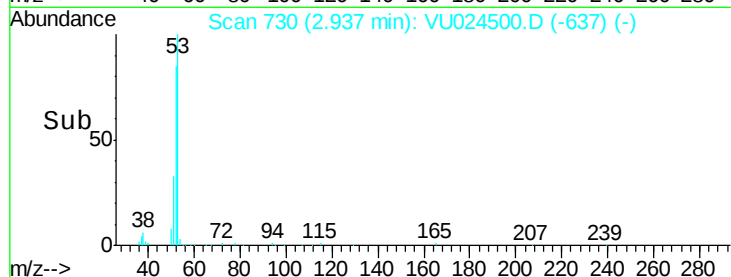
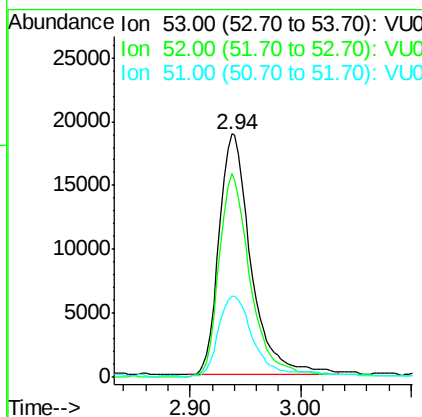
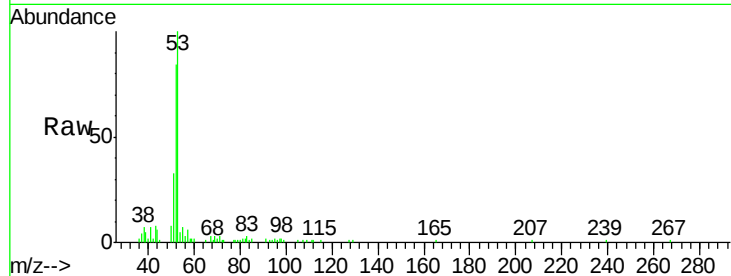
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	38071
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.1	100.7
51	36.7	28.4	42.6

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#16

Acetone

Concen: 16.822 ug/l

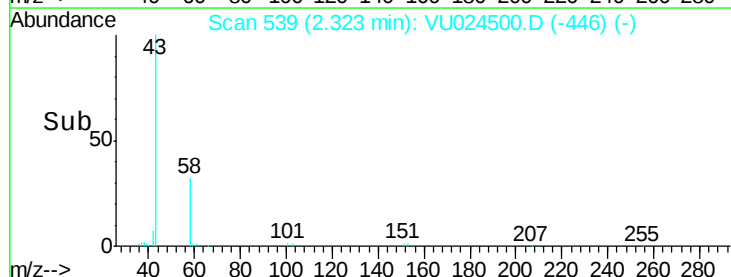
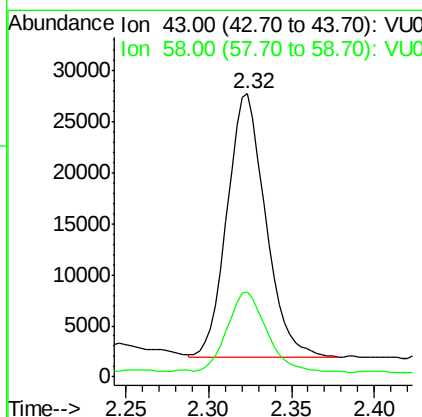
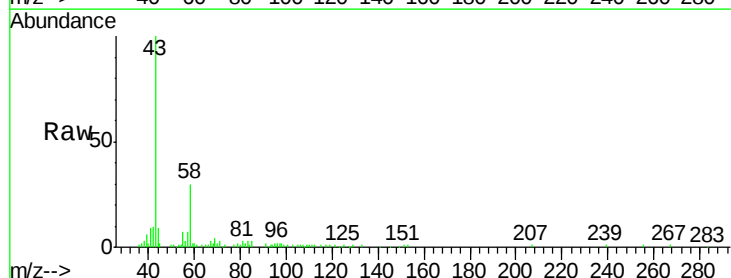
RT: 2.32 min Scan# 539

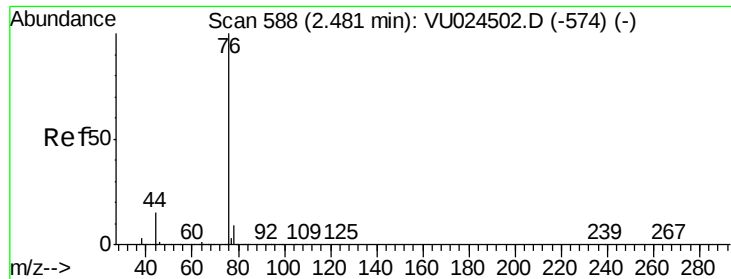
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	43	Resp:	41539
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.4	36.6





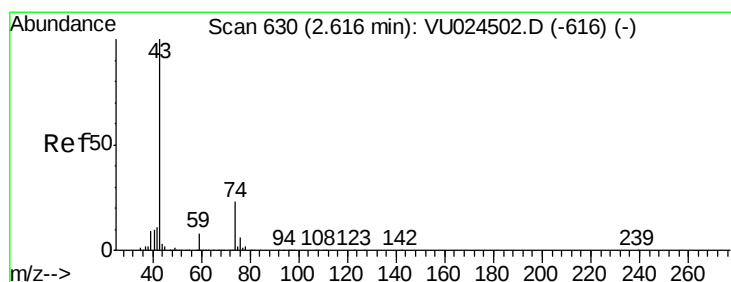
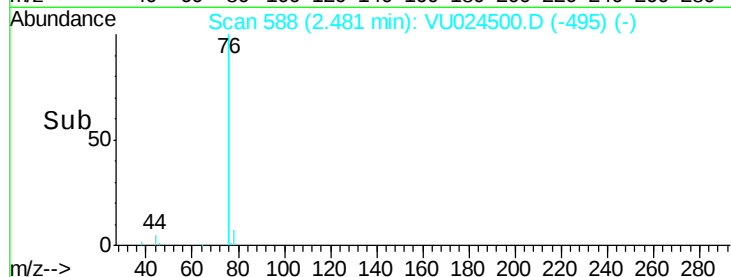
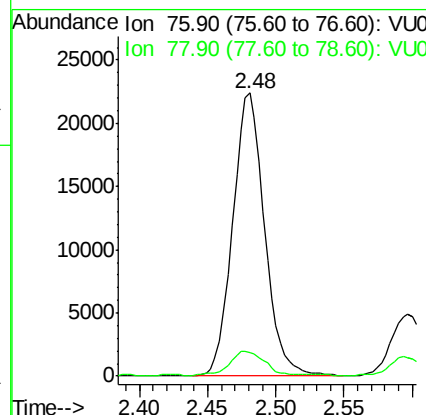
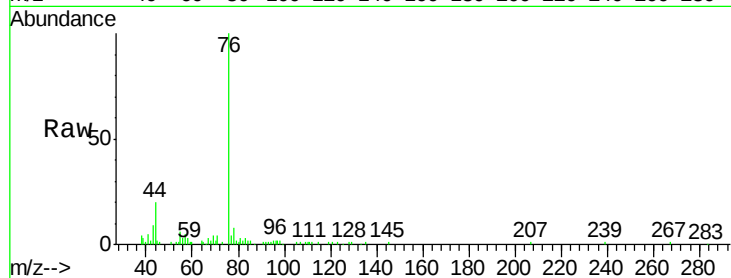
#17
Carbon Disulfide
Concen: 4.342 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 36329
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

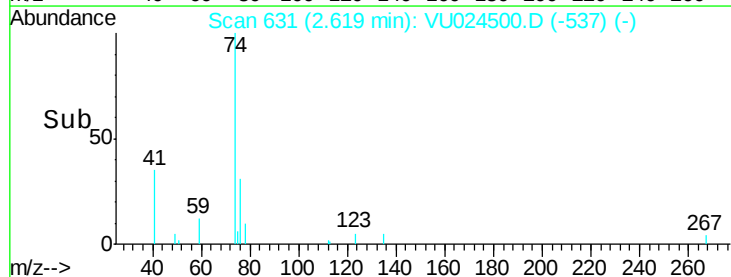
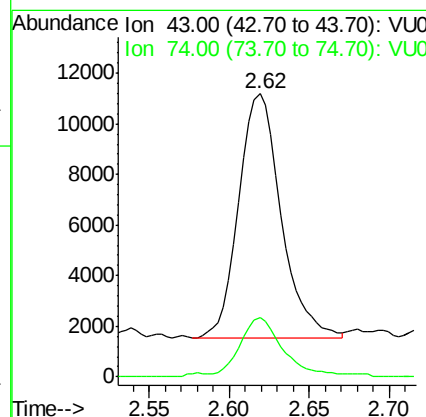
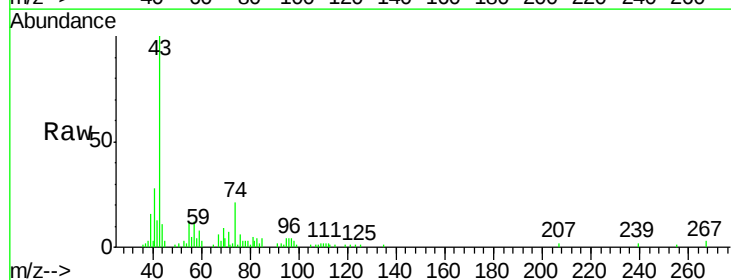
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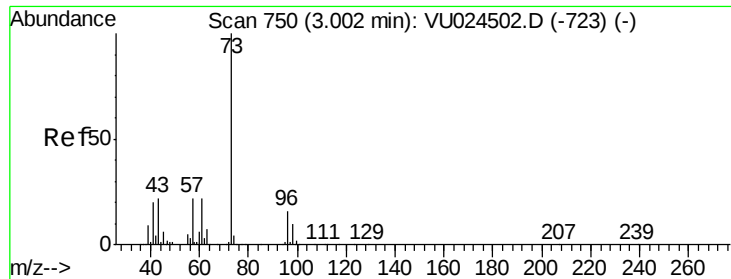
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#18
Methyl Acetate
Concen: 3.563 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 43 Resp: 17485
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0





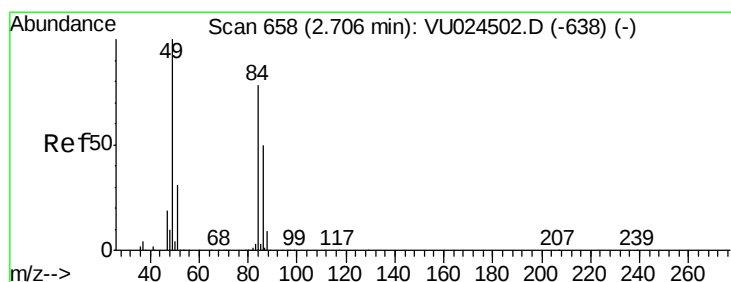
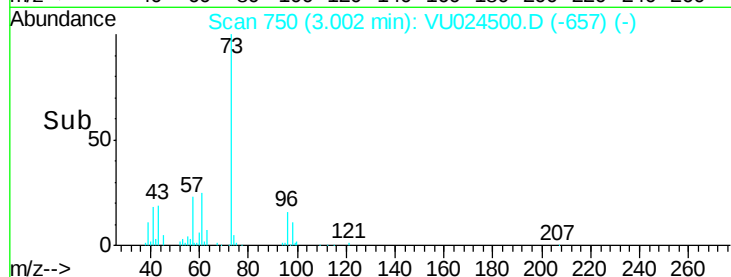
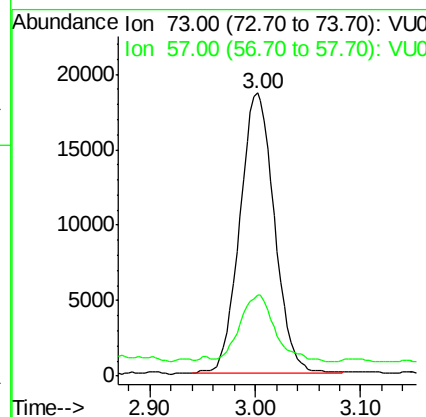
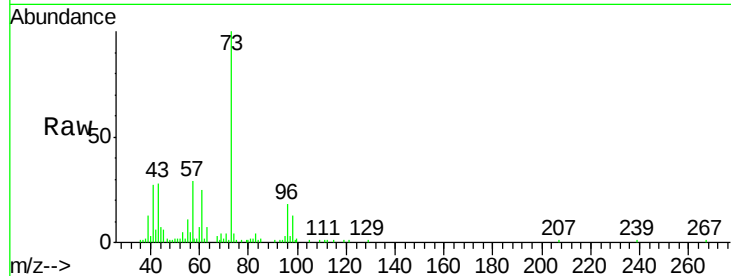
#19
Methyl tert-butyl Ether
Concen: 4.929 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.8	28.2

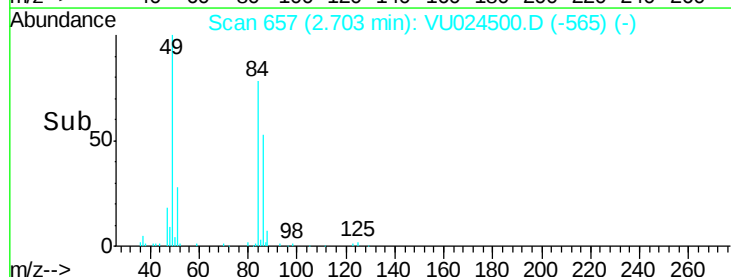
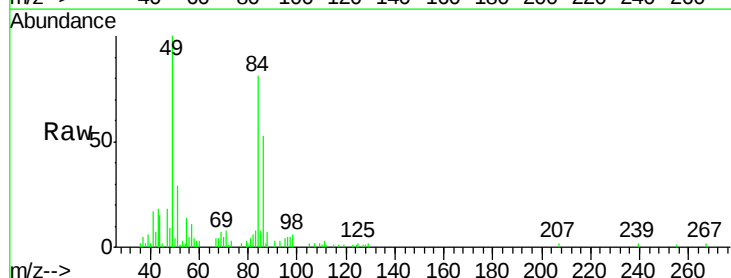
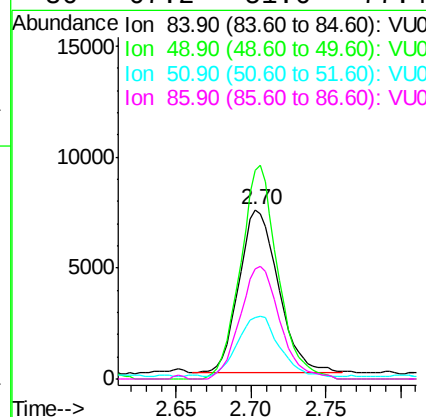
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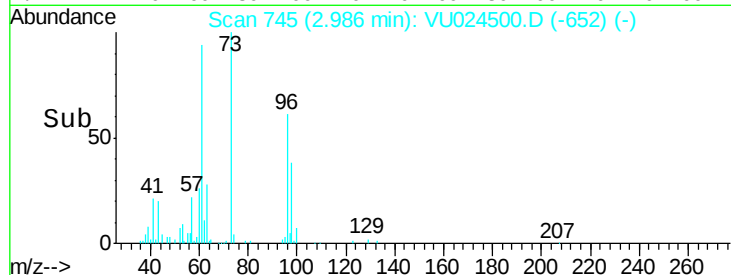
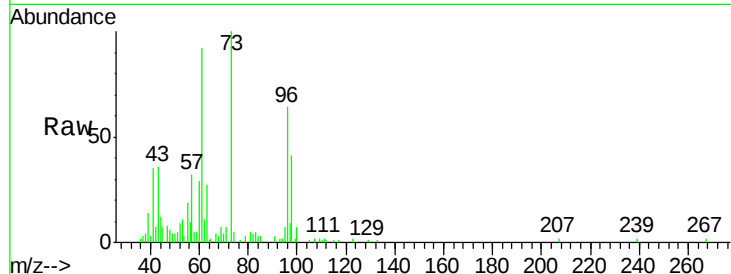
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#20
Methylene Chloride
Concen: 3.986 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.9	103.8	155.8
51	35.7	32.0	48.0
86	67.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 4.171 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024500.D

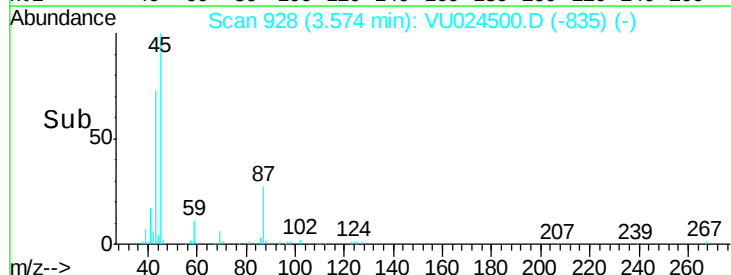
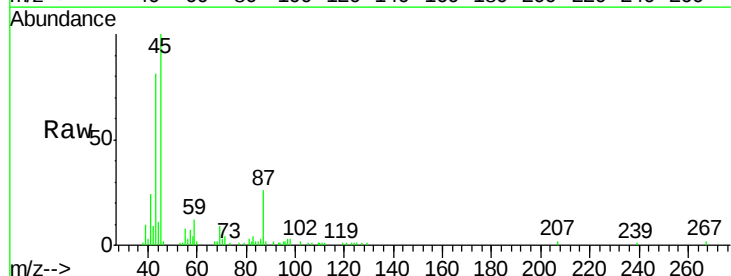
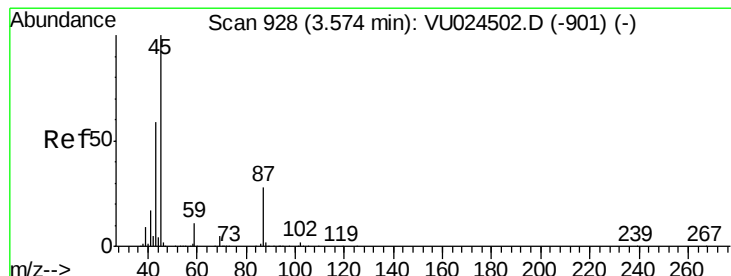
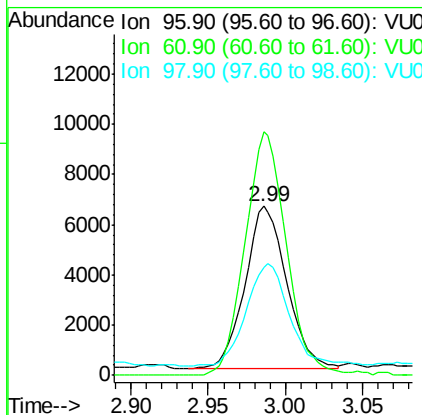
Acq: 13 Jun 2018 11:56

Tgt Ion:	96	Resp:	12171
Ion	Ratio	Lower	Upper
96	100		
61	150.0	119.4	179.0
98	60.8	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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#22

Diisopropyl ether

Concen: 4.530 ug/l

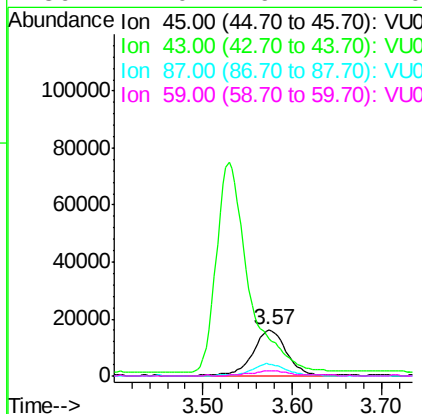
RT: 3.57 min Scan# 928

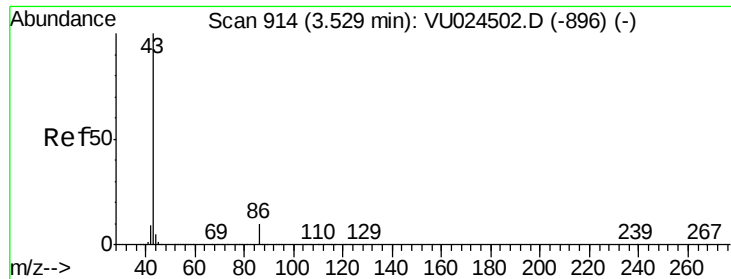
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	45	Resp:	42115
Ion	Ratio	Lower	Upper
45	100		
43	73.9	45.8	68.6#
87	26.7	20.6	31.0
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 27.074 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 185010

Ion Ratio Lower Upper

43 100

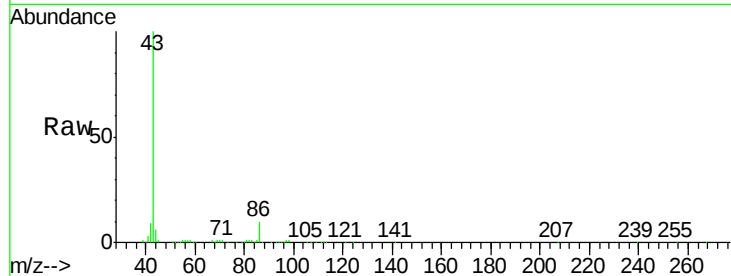
86 10.3 7.8 11.8

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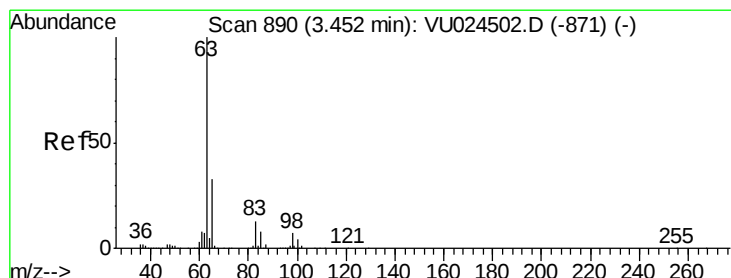
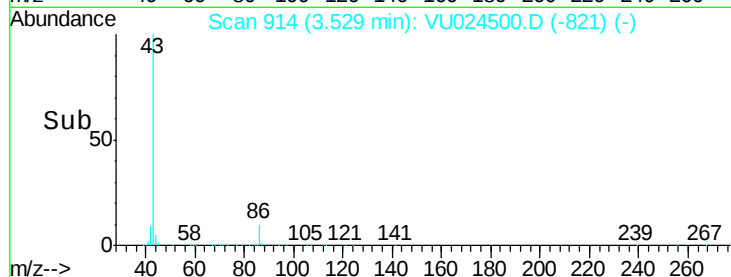
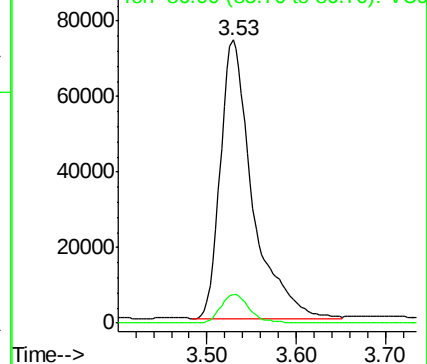
MMDadoda

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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: 4.054 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

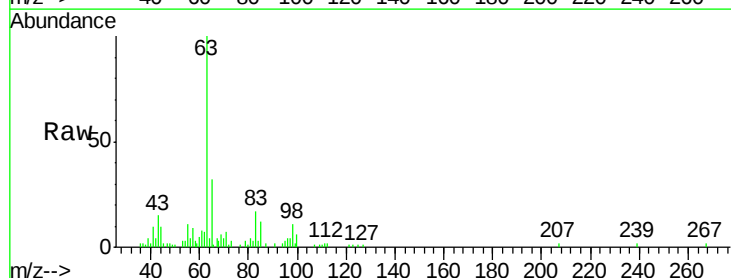
Tgt Ion: 63 Resp: 23602

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

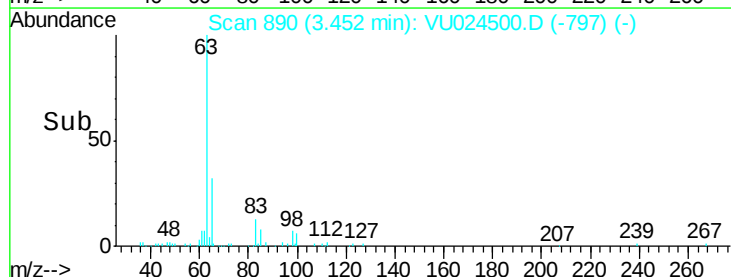
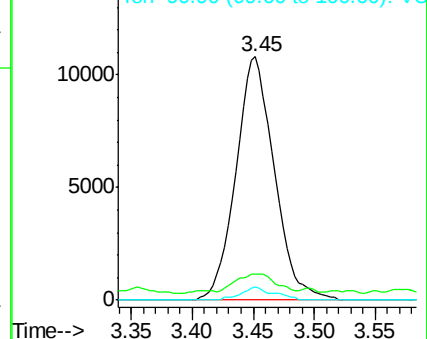
100 5.5 1.8 5.5

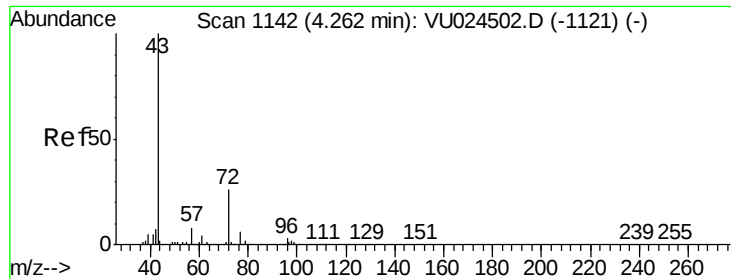


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





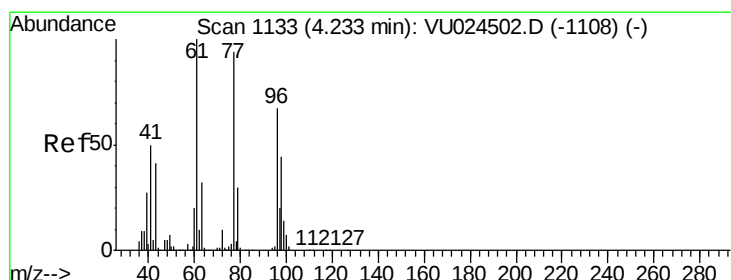
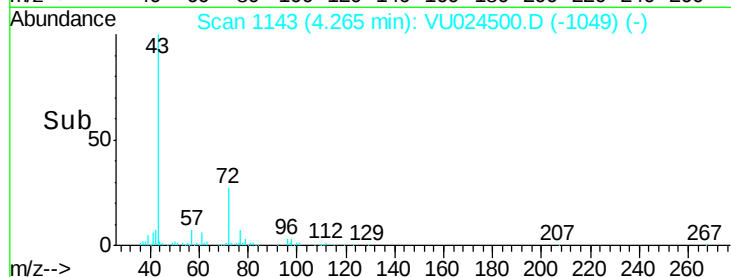
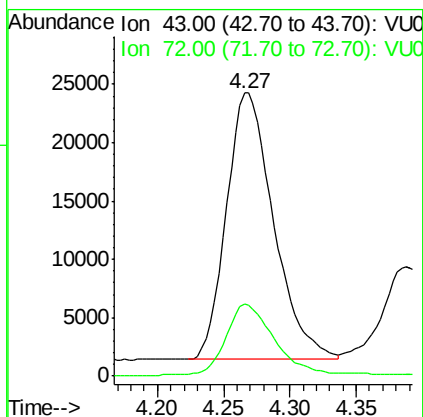
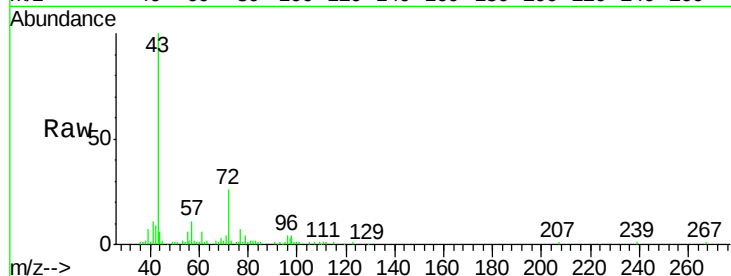
#25
2-Butanone
Concen: 19.051 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 56253
Ion Ratio Lower Upper
43 100
72 26.5 19.6 29.4

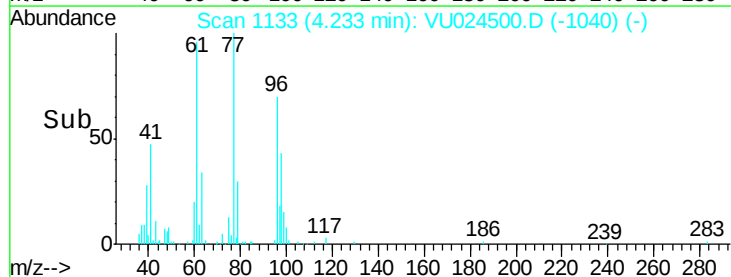
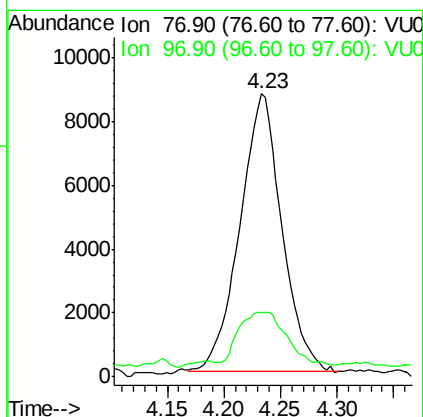
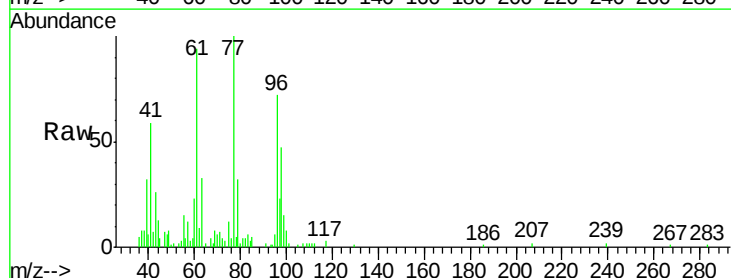
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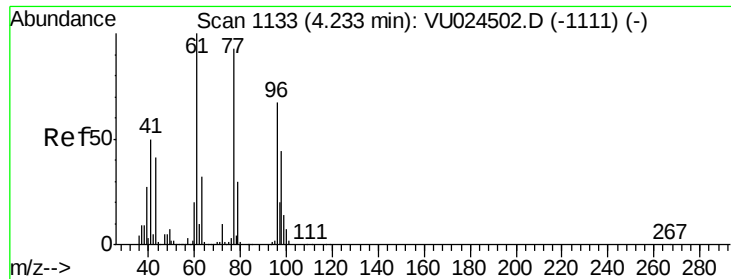
MMDadoda
6/14/2018 9:44:22 AM



#26
2,2-Dichloropropane
Concen: 5.050 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 77 Resp: 22412
Ion Ratio Lower Upper
77 100
97 22.2 11.3 33.8





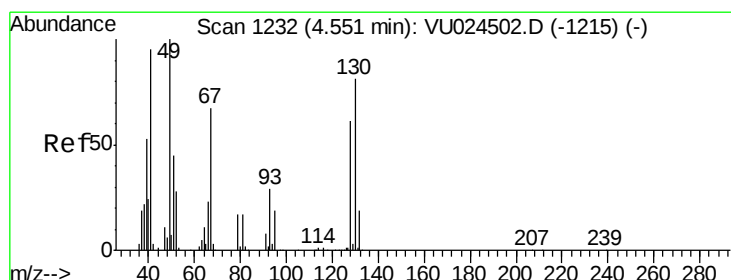
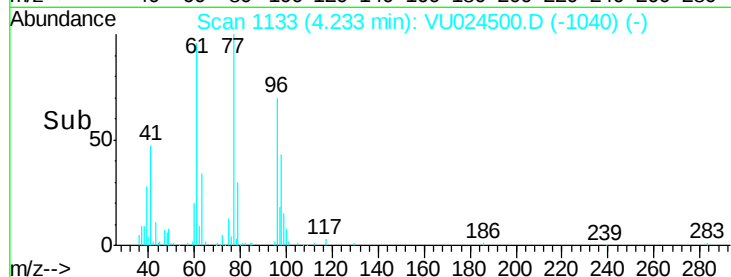
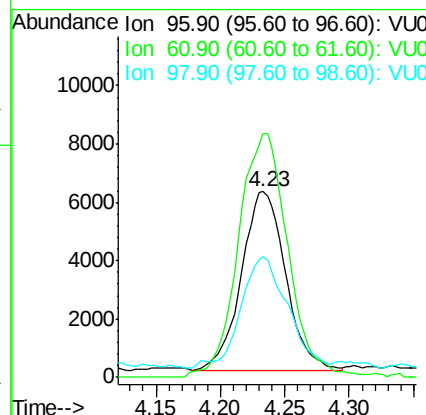
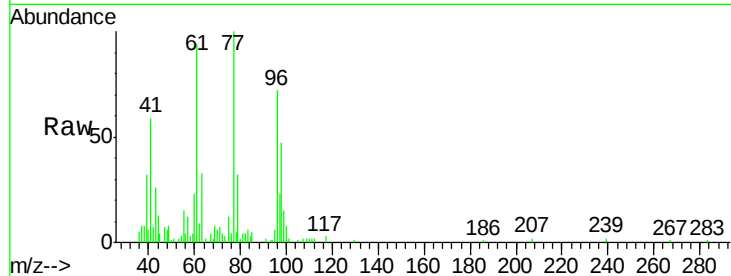
#27
 cis-1,2-Dichloroethene
 Concen: 4.595 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	14571		
61	153.1	0.0	306.6	
98	64.1	0.0	128.8	

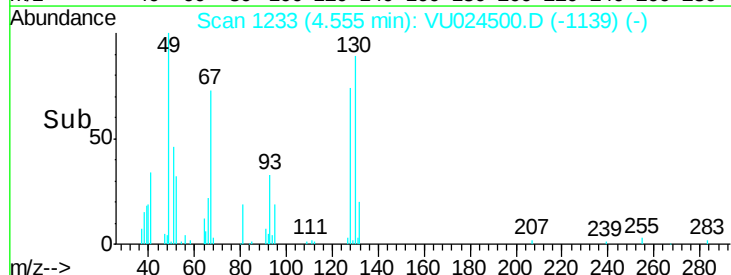
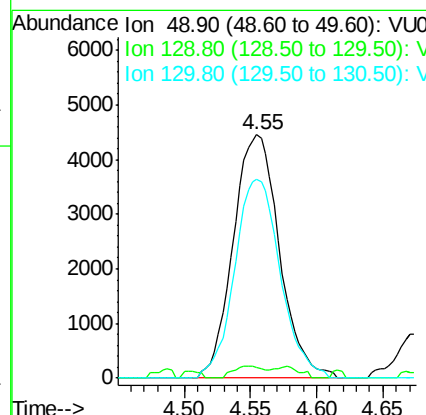
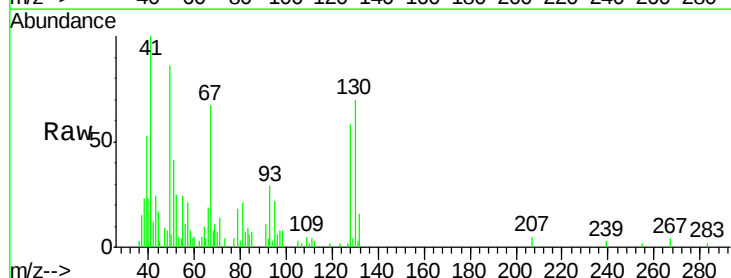
Manual Integrations
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#28
 Bromochloromethane
 Concen: 5.062 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	10792		
129	3.1	0.0	3.8	
130	81.0	57.8	86.6	





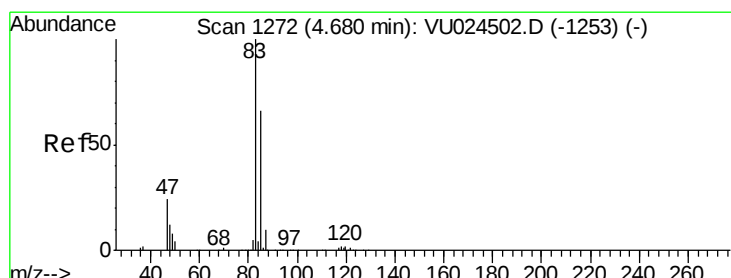
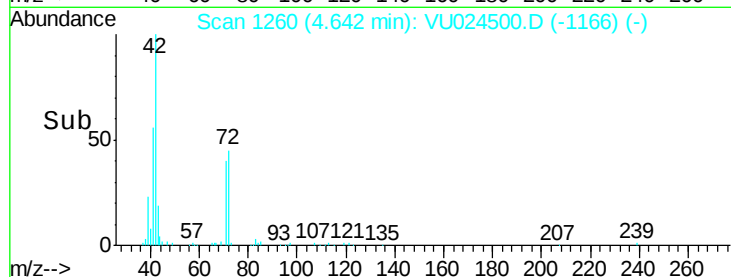
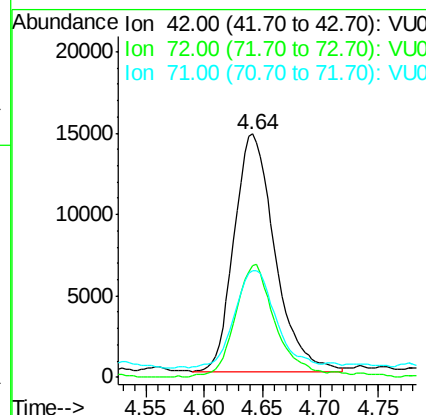
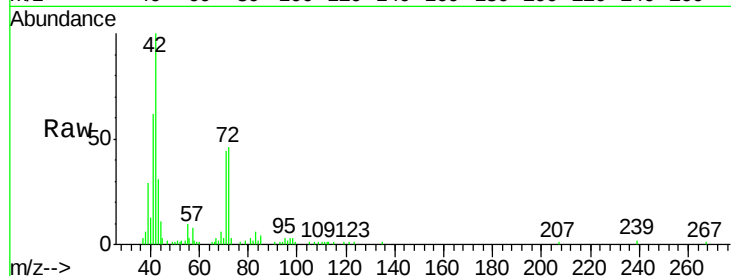
#29
Tetrahydrofuran
Concen: 21.088 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.9	34.5	51.7
71	41.3	32.2	48.4

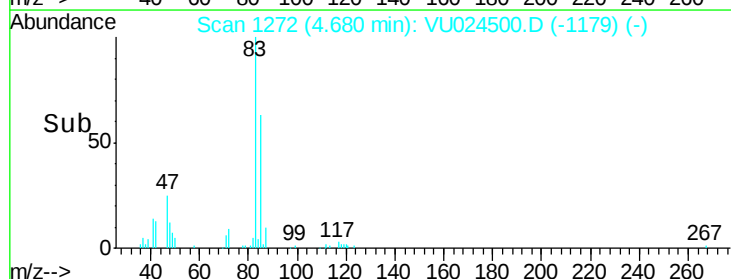
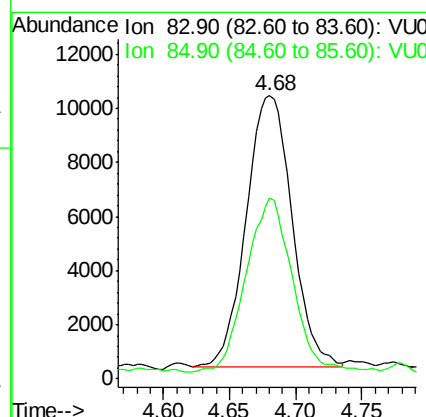
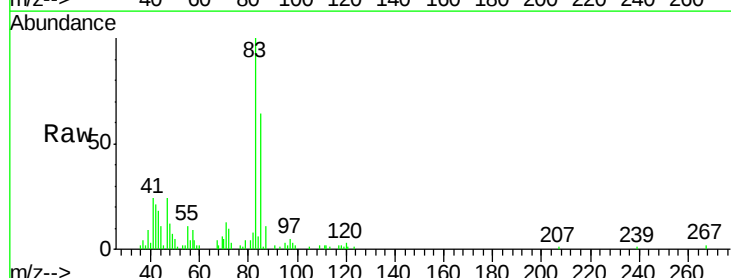
Manual Integrations
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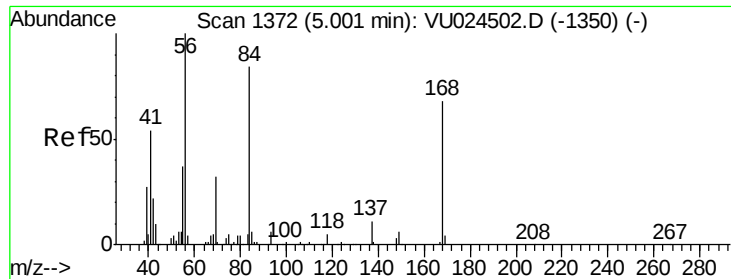
MMDadoda
6/14/2018 9:44:22 AM



#30
Chloroform
Concen: 4.075 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





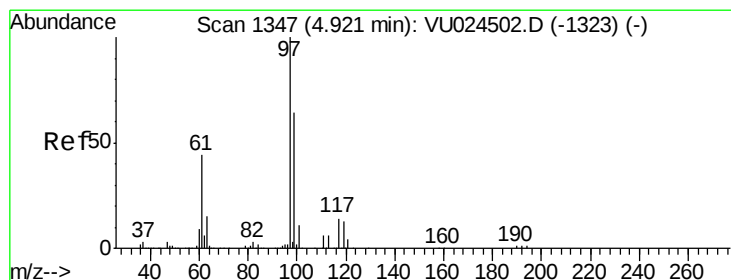
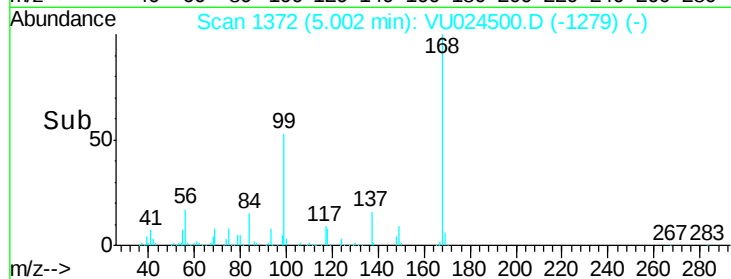
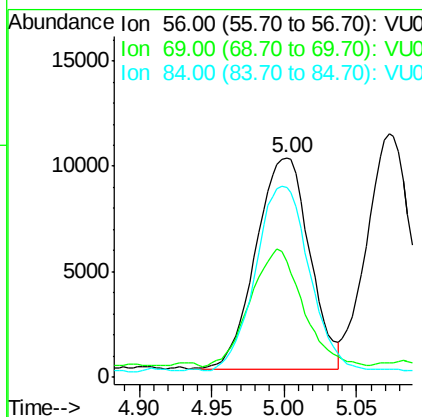
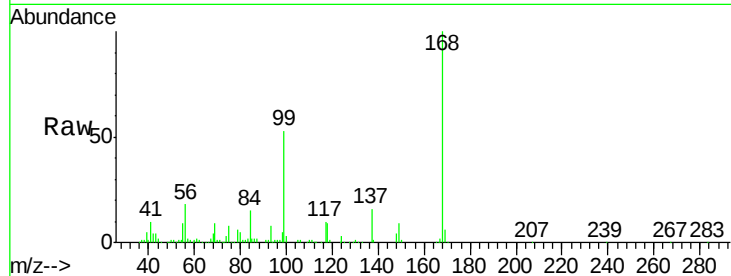
#31
Cyclohexane
Concen: 4.461 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	47.7	24.8	37.2#
84	86.1	65.2	97.8

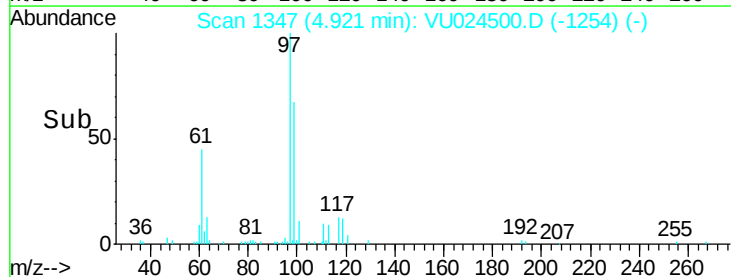
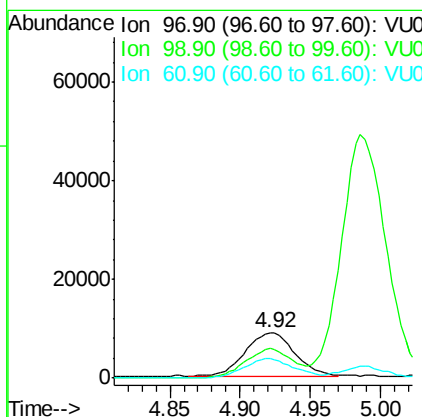
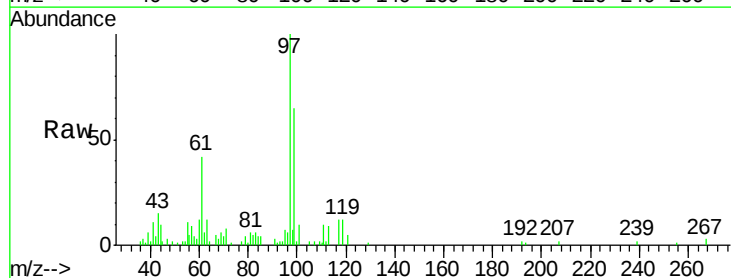
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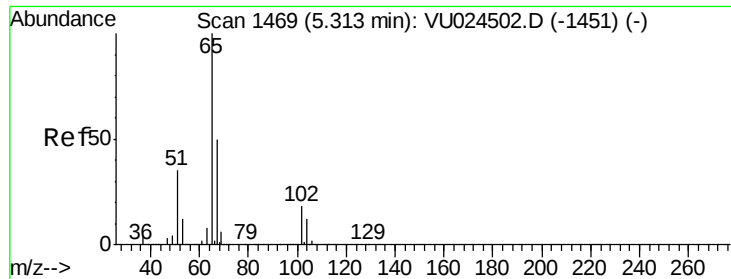
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.592 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	44.8	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 4.318 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 16702

Ion Ratio Lower Upper

65 100

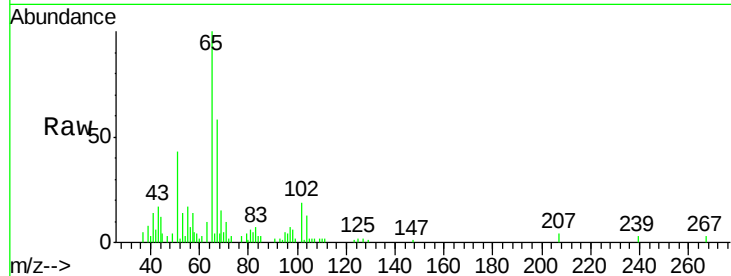
67 48.0 0.0 107.0

Manual Integrations

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6/14/2018 9:44:22 AM

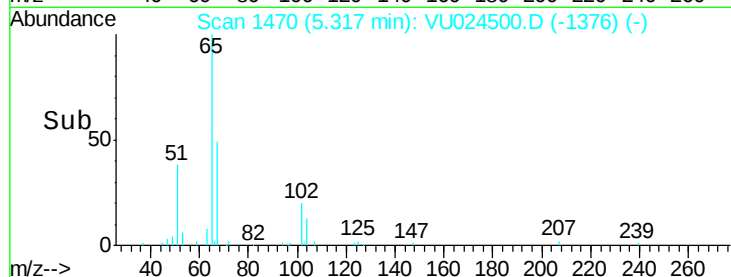


Abundance Ion 64.90 (64.60 to 65.60): VU024500.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024500.D (-1376) (-)

5.32

Time-->



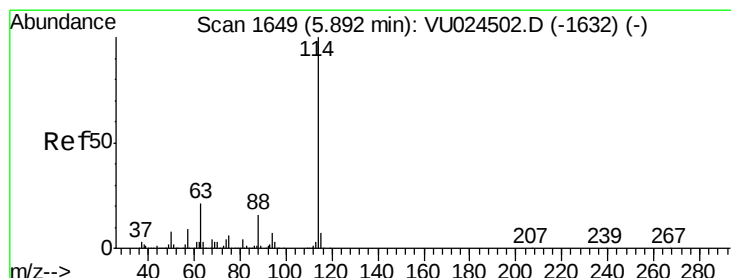
Abundance

Ion 64.90 (64.60 to 65.60): VU024500.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024500.D (-1376) (-)

5.32

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

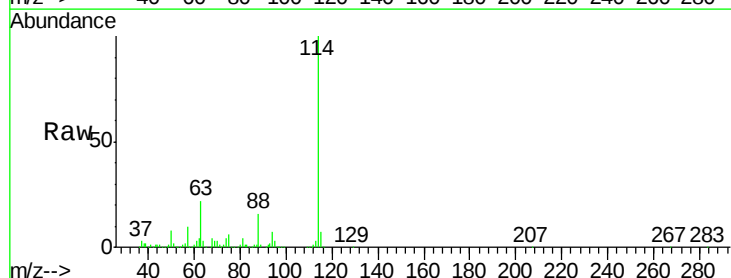
Tgt Ion: 114 Resp: 303052

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.4

88 16.4 0.0 31.0



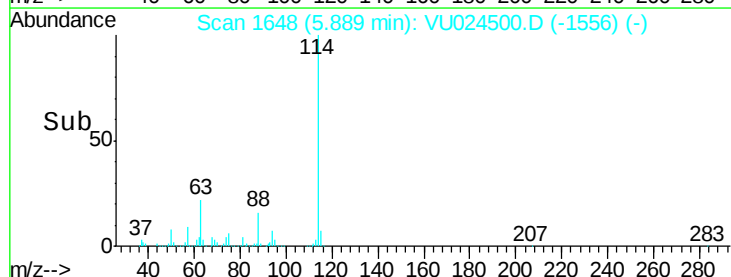
Abundance Ion 113.90 (113.60 to 114.60): VU024500.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024500.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024500.D (-1556) (-)

5.89

Time-->



Abundance

Ion 113.90 (113.60 to 114.60): VU024500.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024500.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024500.D (-1556) (-)

5.89

Time-->



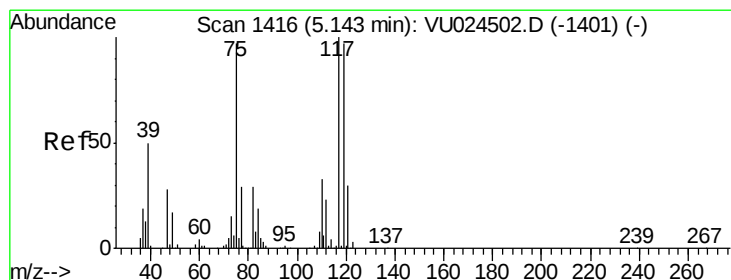
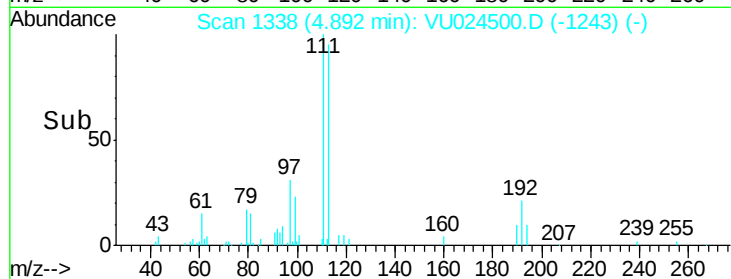
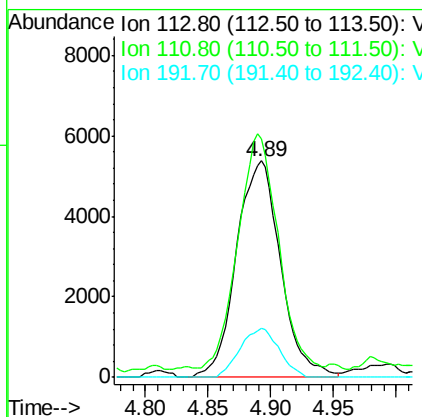
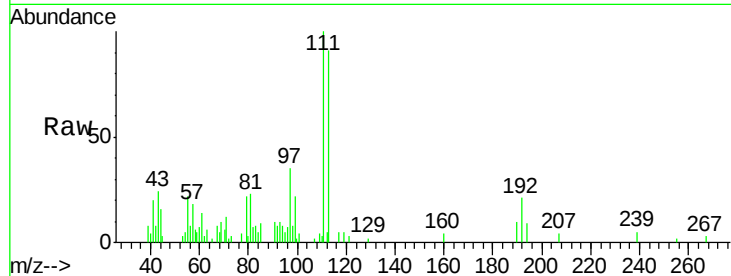
#35
Dibromofluoromethane
Concen: 4.232 ug/l
RT: 4.89 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	13172		
111	98.0	82.2	123.4	
192	19.9	16.2	24.4	

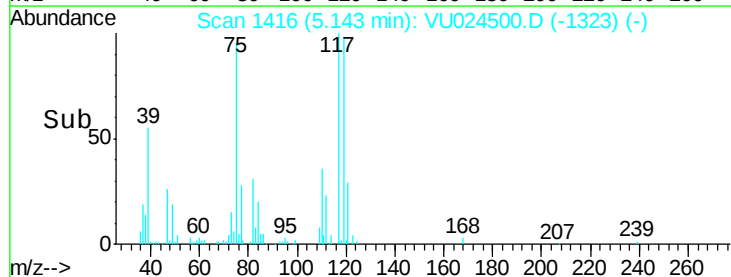
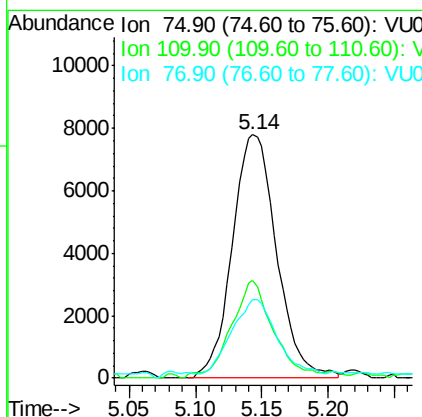
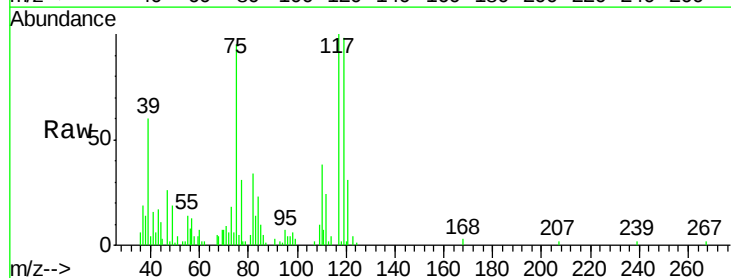
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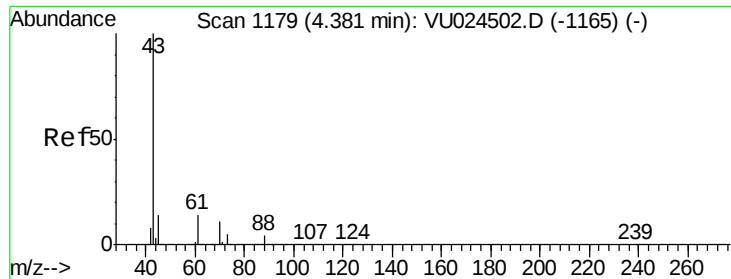
MMDadoda
6/14/2018 9:44:22 AM



#36
1,1-Dichloropropene
Concen: 4.195 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18143		
110	38.0	17.0	50.9	
77	31.8	24.2	36.4	





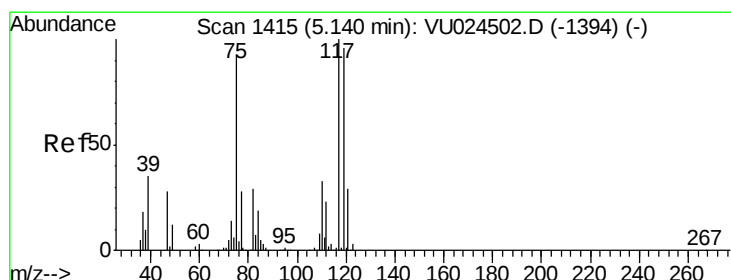
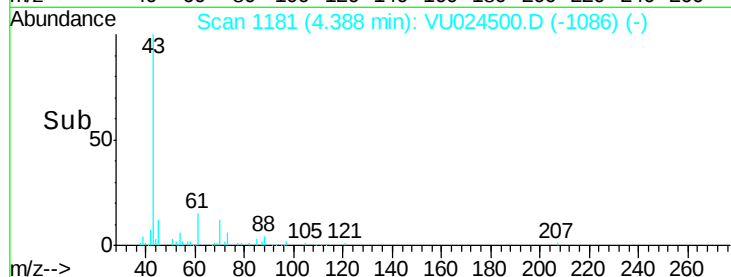
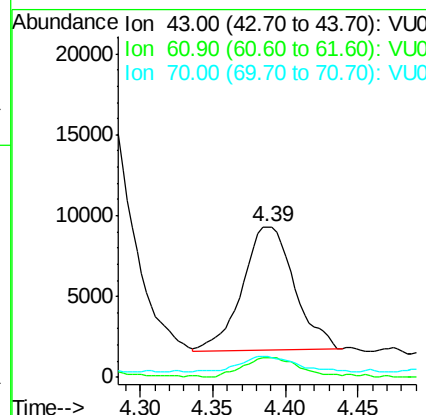
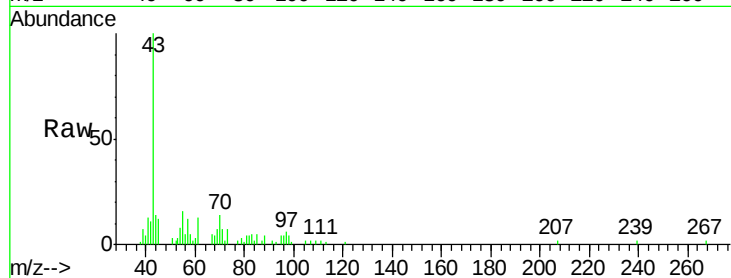
#37
Ethyl Acetate
Concen: 3.927 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.8	10.5	15.7#
70	13.3	7.4	11.2#

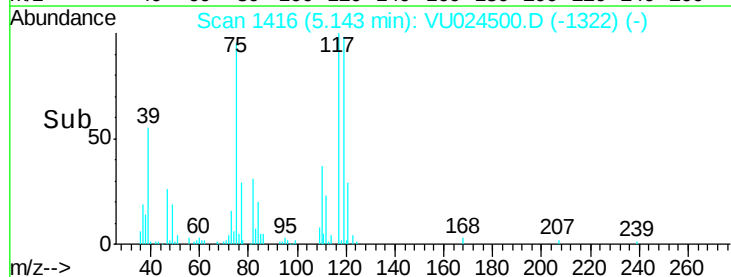
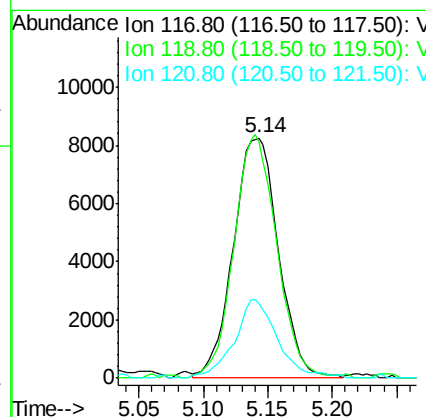
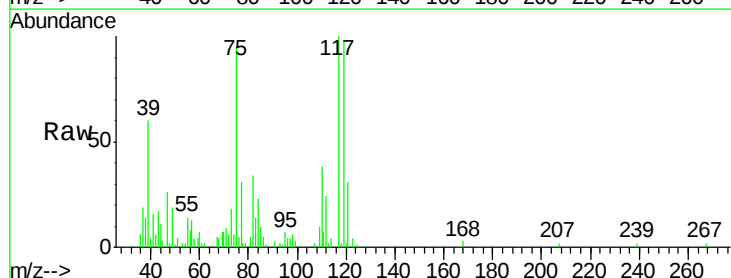
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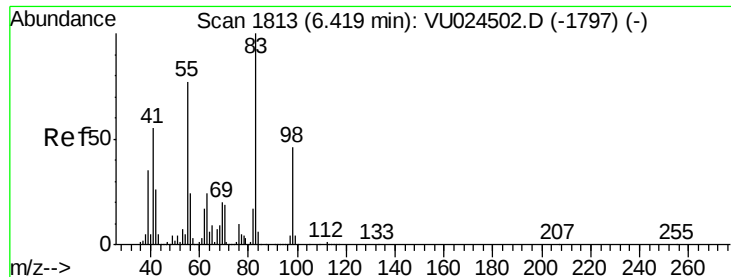
MMDadoda
6/14/2018 9:44:22 AM



#38
Carbon Tetrachloride
Concen: 4.876 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.1	114.1
121	30.0	23.7	35.5





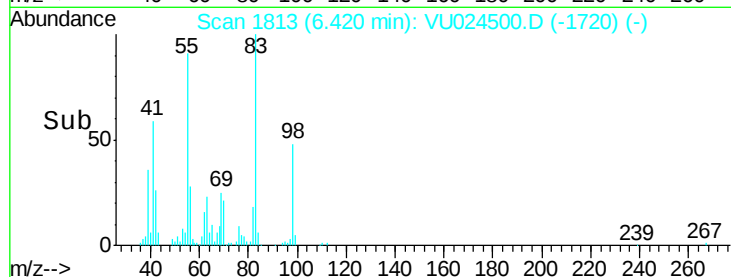
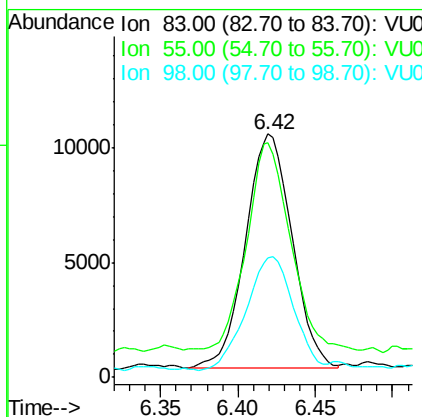
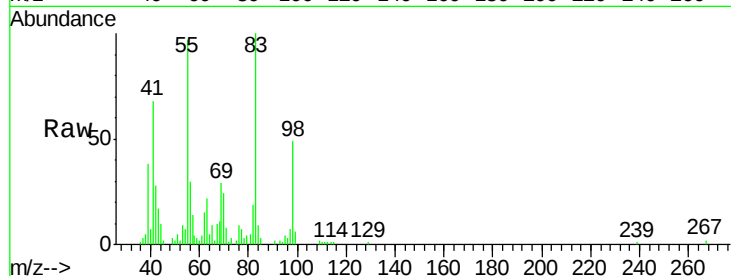
#39
Methylcyclohexane
Concen: 4.590 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.2	65.8	98.6
98	47.0	36.7	55.1

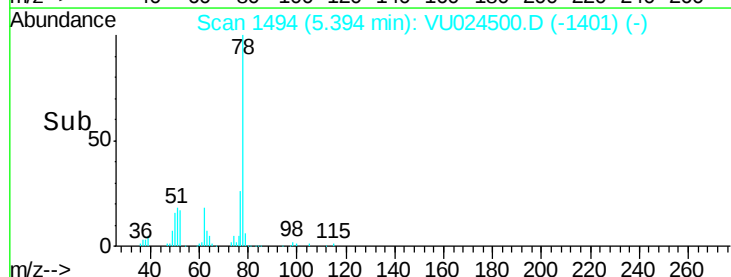
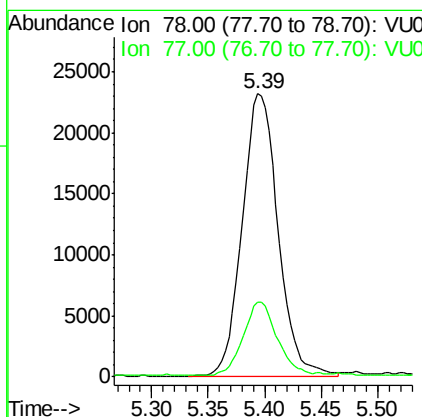
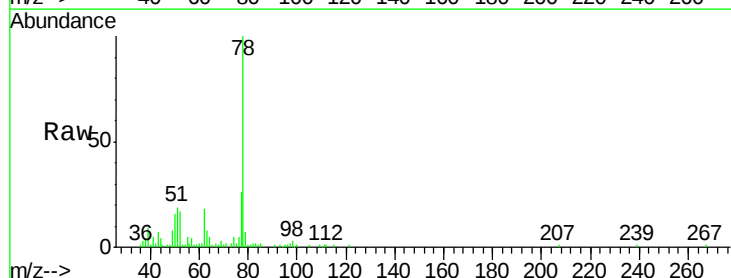
Manual Integrations
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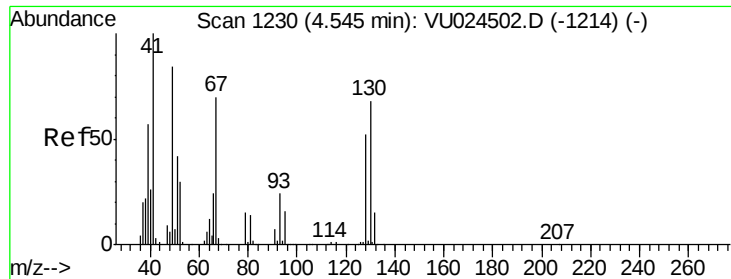
MMDadoda
6/14/2018 9:44:22 AM



#40
Benzene
Concen: 3.956 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.2	28.8





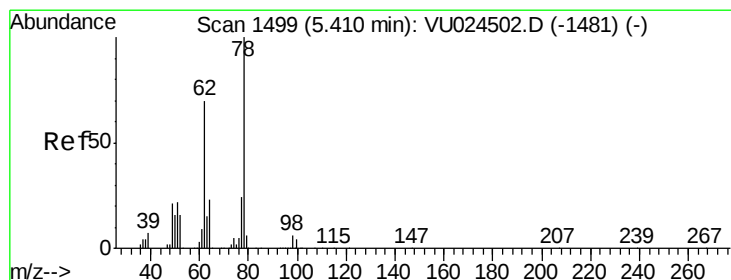
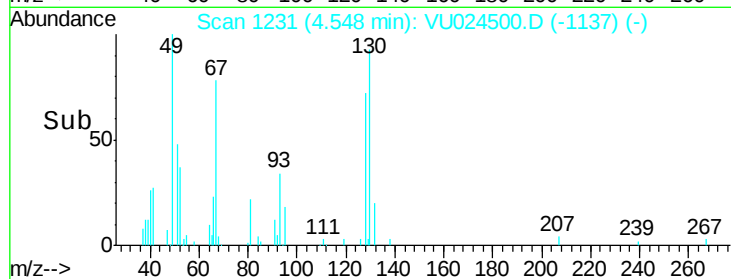
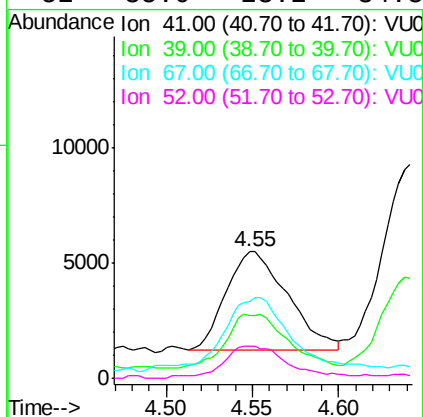
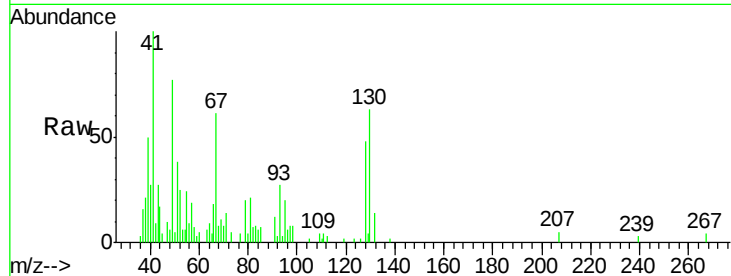
#41
Methacrylonitrile
Concen: 3.864 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.8	65.6
67	73.4	56.3	84.5
52	35.0	23.2	34.8#

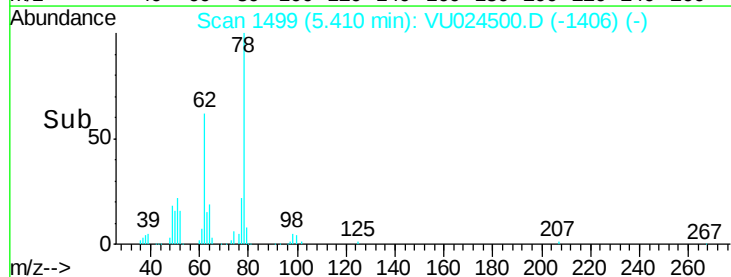
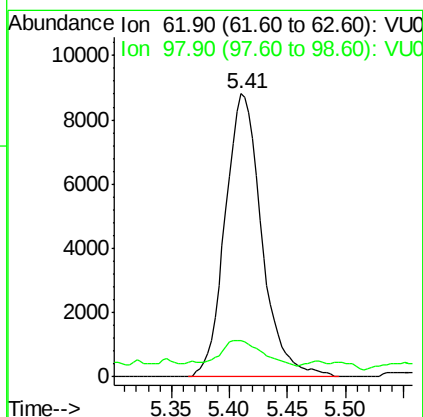
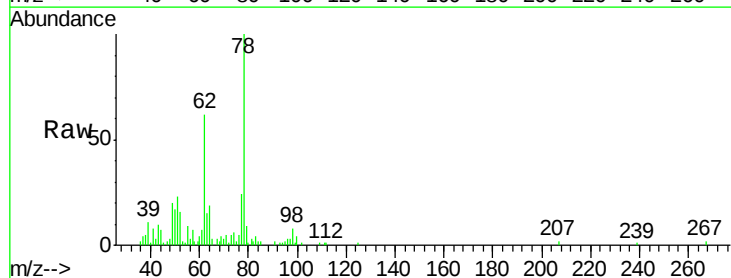
Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:22 AM



#42
1,2-Dichloroethane
Concen: 3.846 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 4.473 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

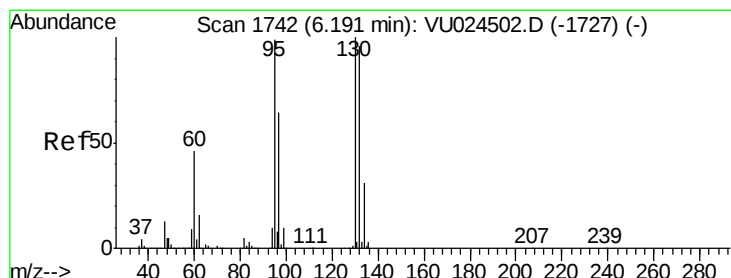
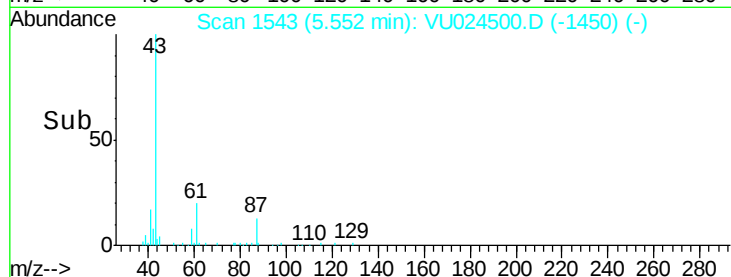
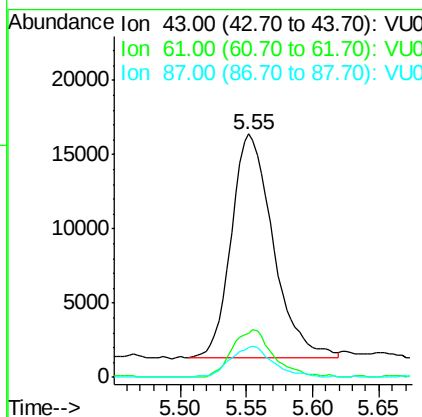
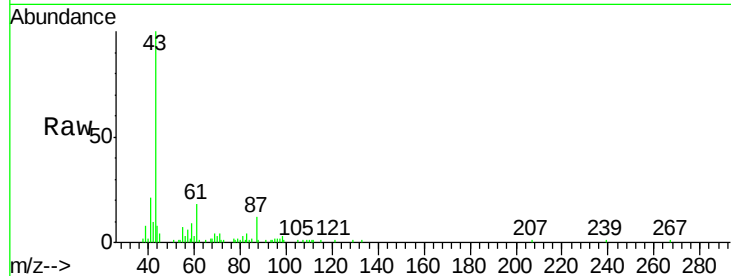
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	33034
Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.4	23.0
87	14.3	10.0	15.0

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#44

Trichloroethene

Concen: 4.164 ug/l

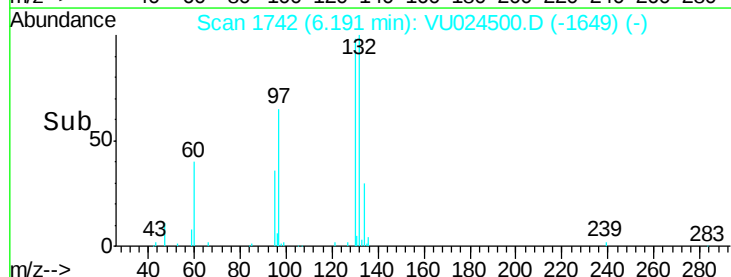
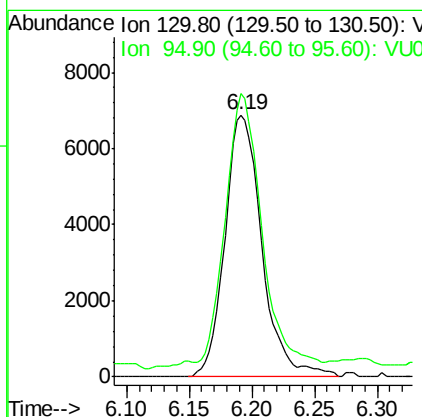
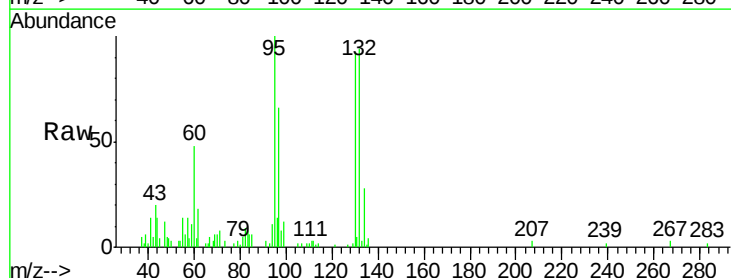
RT: 6.19 min Scan# 1742

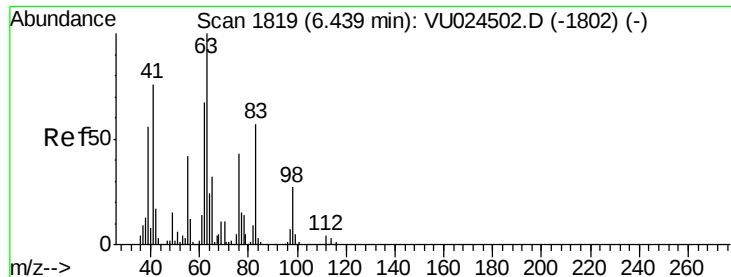
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	130	Resp:	14144
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	202.4





#45

1,2-Dichloropropane

Concen: 3.899 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 13658

Ion Ratio Lower Upper

63 100

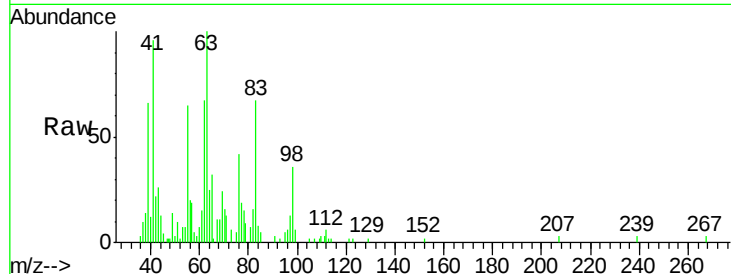
65 31.5 24.8 37.2

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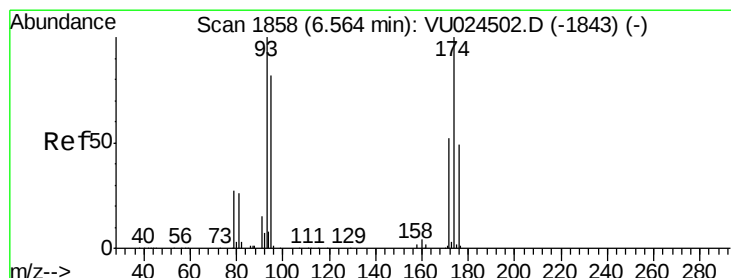
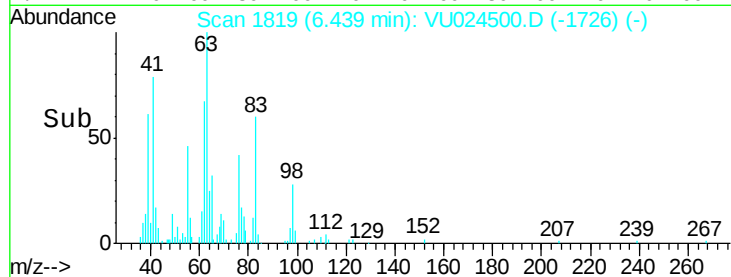
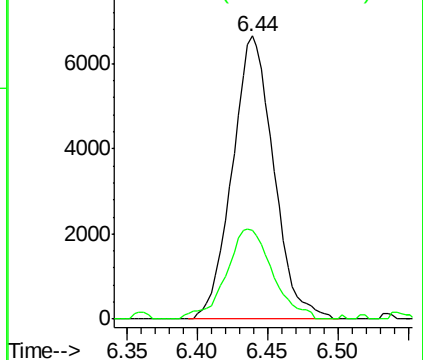
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 4.214 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

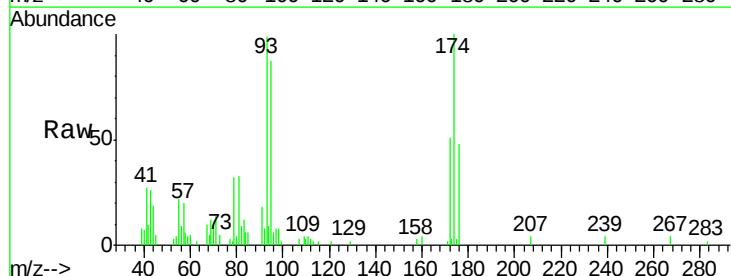
Tgt Ion: 93 Resp: 9774

Ion Ratio Lower Upper

93 100

95 86.2 65.5 98.3

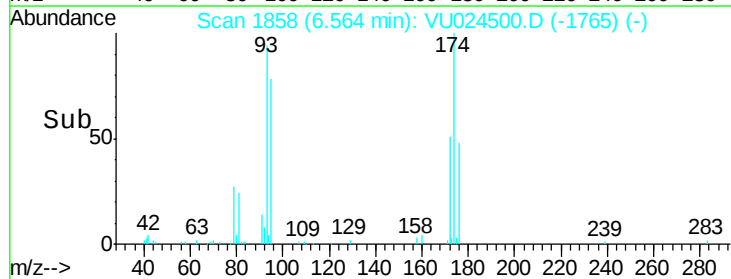
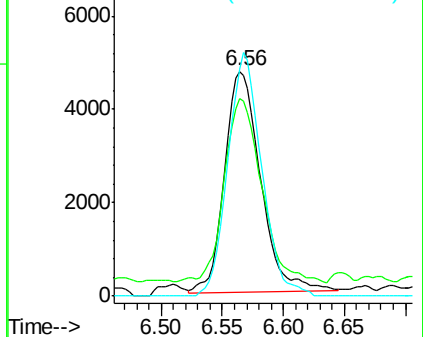
174 103.0 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.351 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

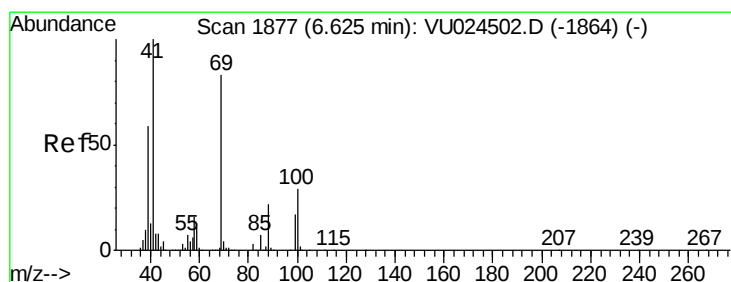
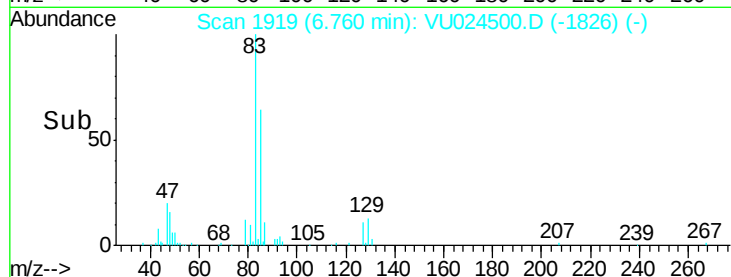
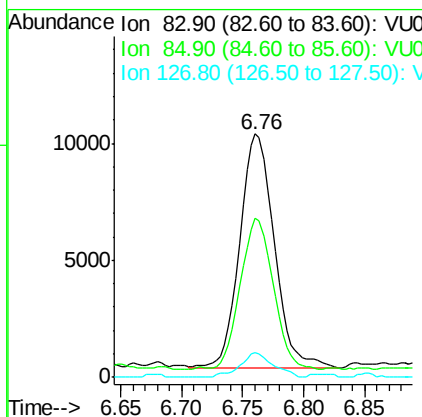
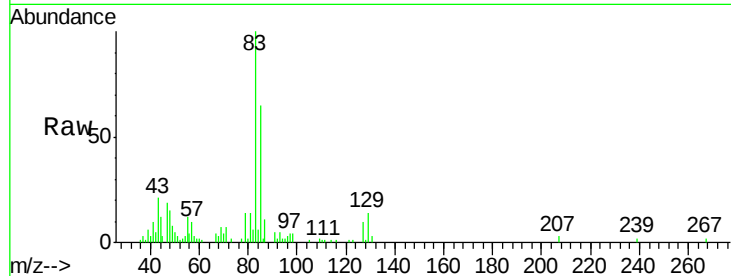
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	19522
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.9	77.9
127	10.8	6.6	9.8#

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#48

Methyl methacrylate

Concen: 4.496 ug/l

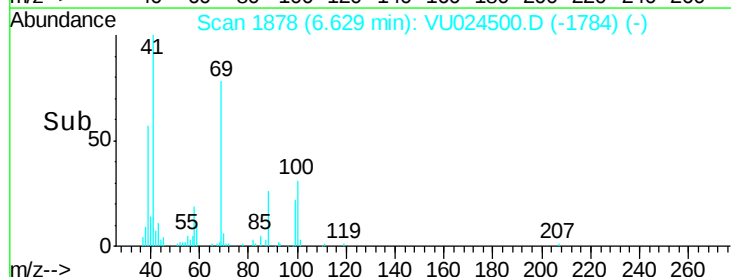
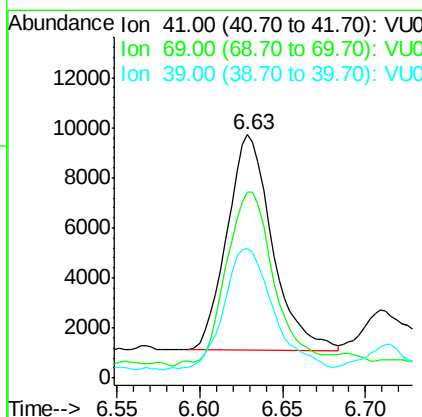
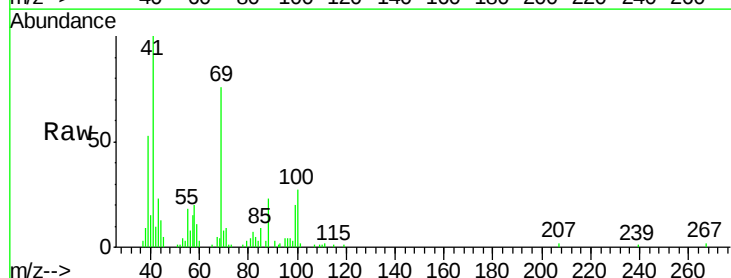
RT: 6.63 min Scan# 1878

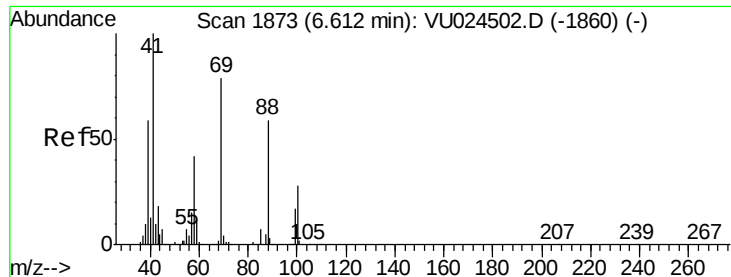
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	41	Resp:	16278
Ion Ratio	Lower	Upper	
41	100		
69	86.5	67.3	100.9
39	61.8	46.5	69.7





#49

1,4-Dioxane

Concen: 79.393 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

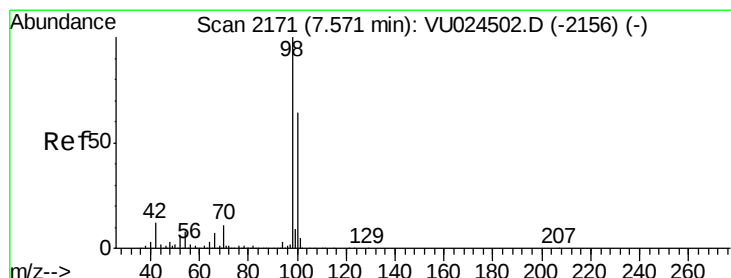
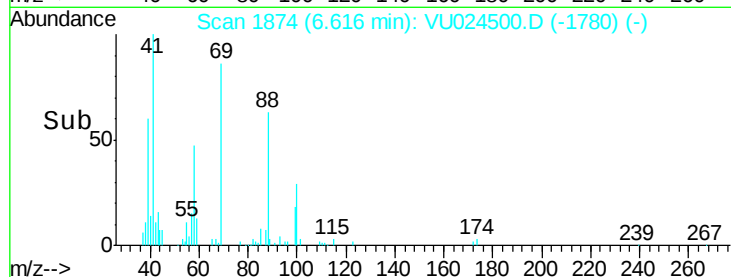
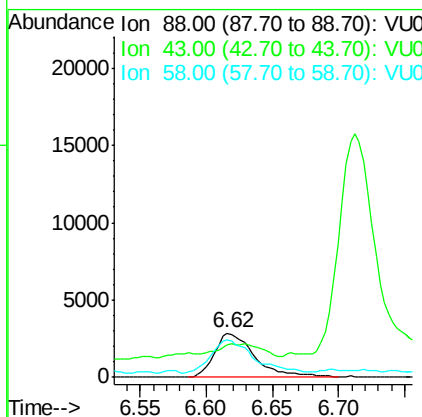
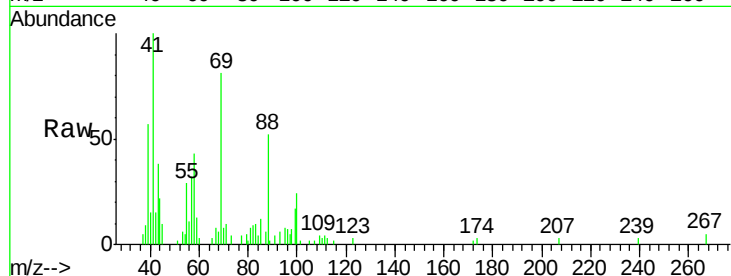
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	75.5	58.2	87.4

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#50

Toluene-d8

Concen: 4.028 ug/l

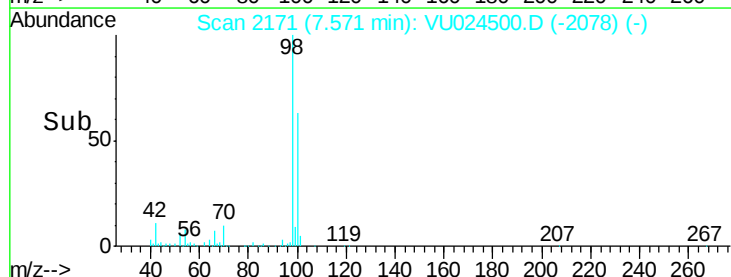
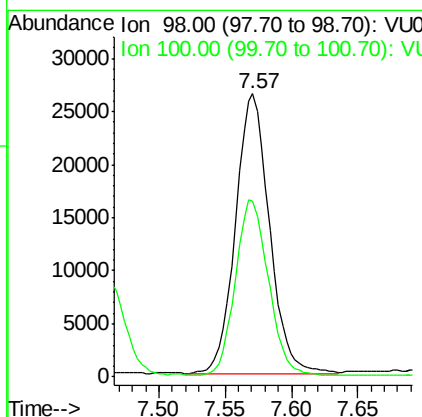
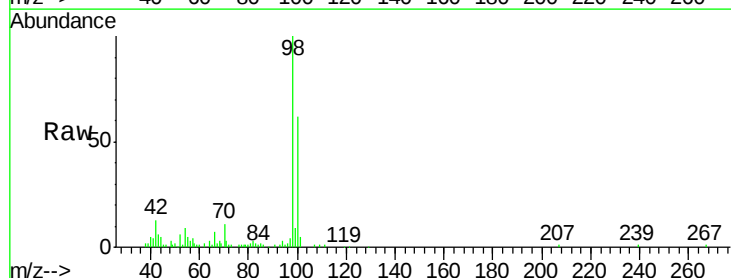
RT: 7.57 min Scan# 2171

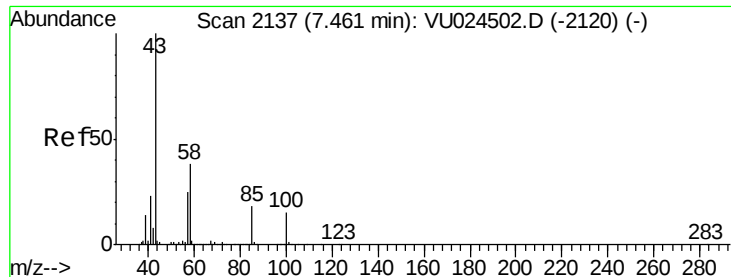
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.3	51.1	76.7





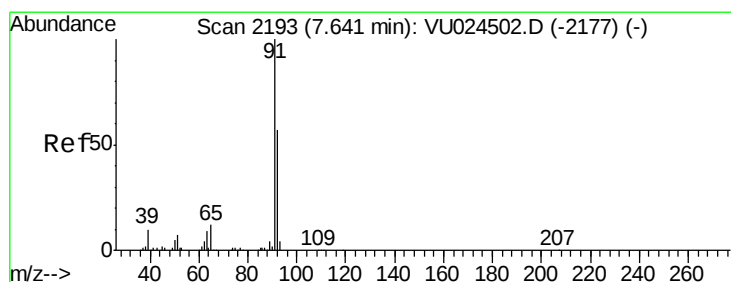
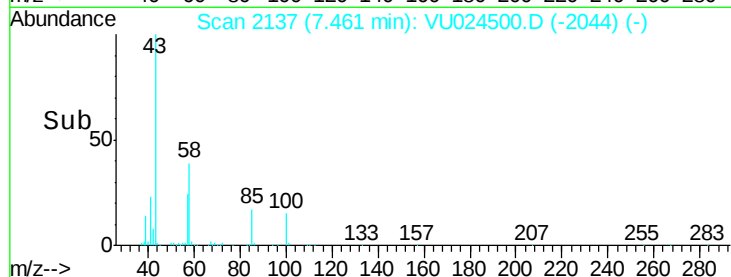
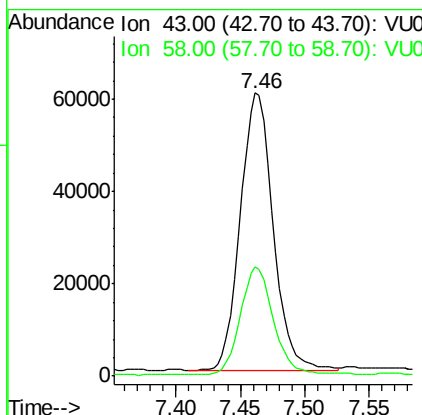
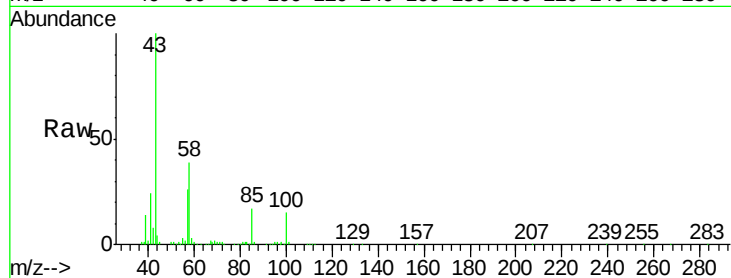
#51
 4-Methyl-2-Pentanone
 Concen: 19.926 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 106169
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.0 45.0

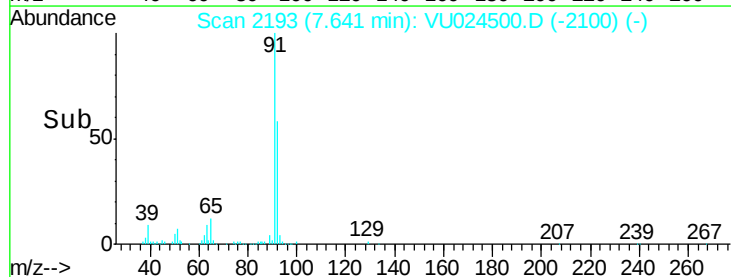
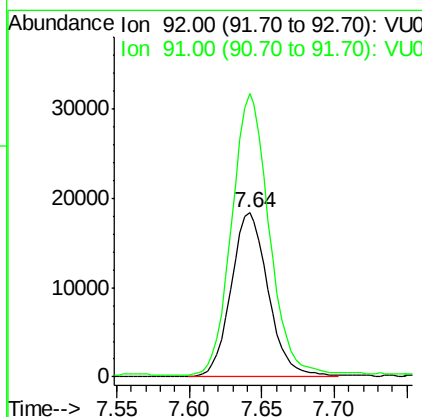
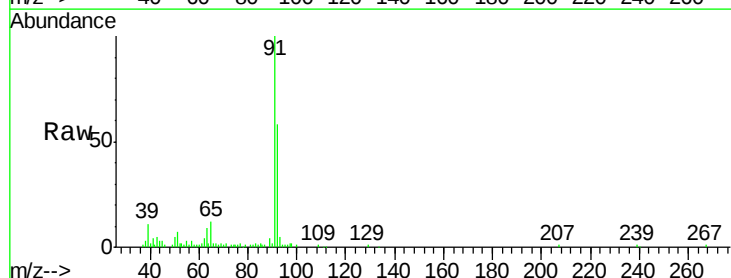
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#52
 Toluene
 Concen: 4.240 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 92 Resp: 32799
 Ion Ratio Lower Upper
 92 100
 91 172.4 140.5 210.7





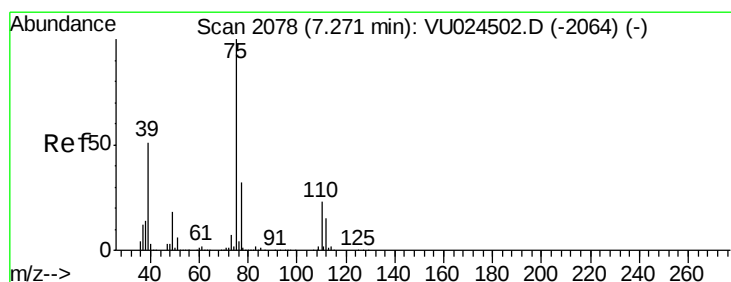
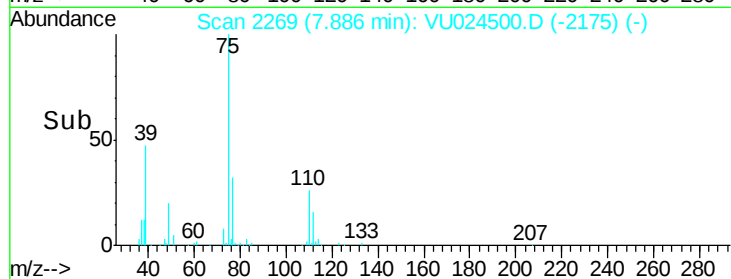
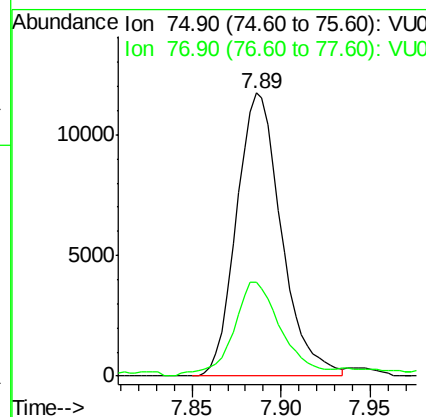
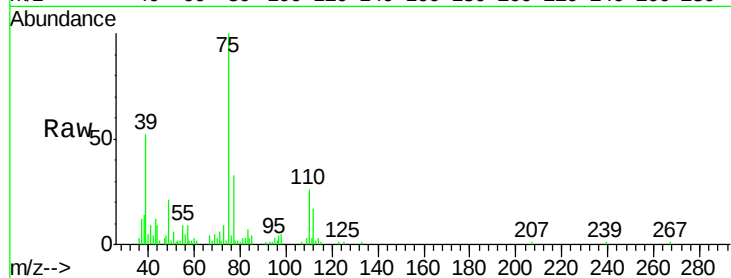
#53
t-1,3-Dichloropropene
Concen: 4.414 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 20597
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2

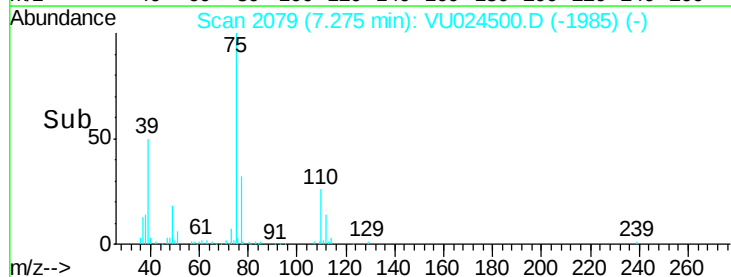
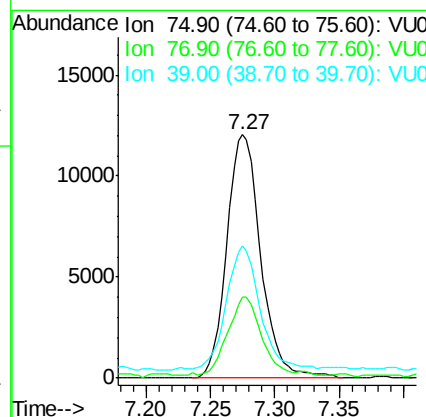
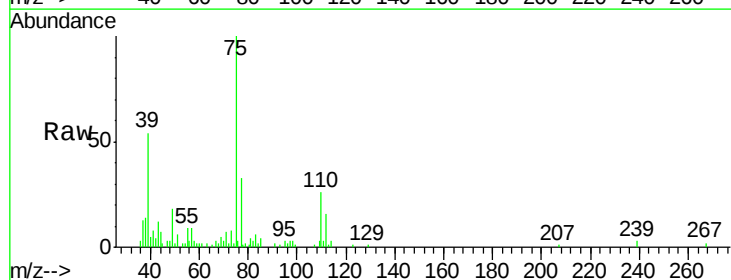
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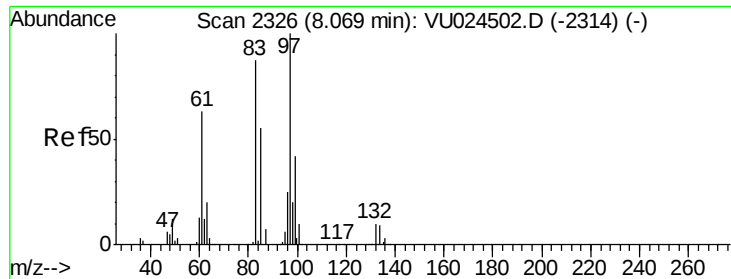
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#54
cis-1,3-Dichloropropene
Concen: 4.323 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 75 Resp: 22013
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8
39 50.2 39.8 59.6





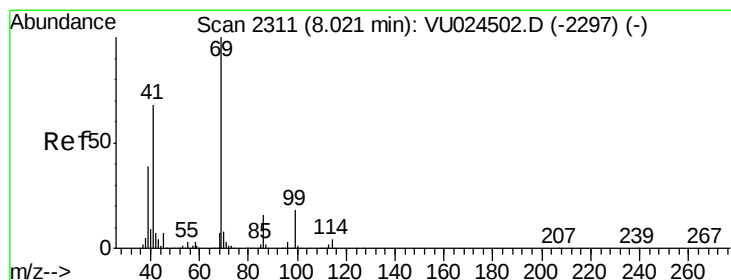
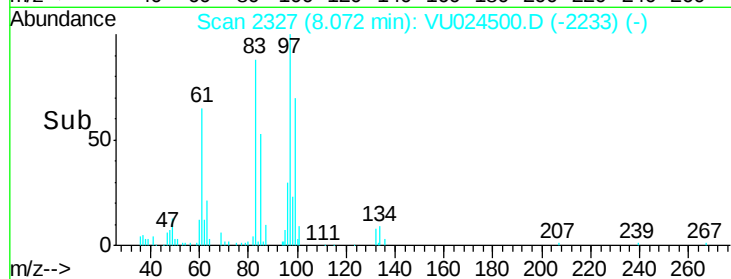
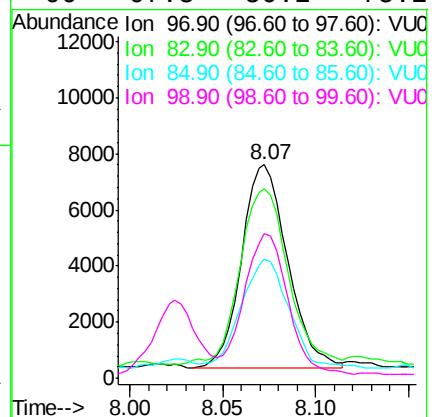
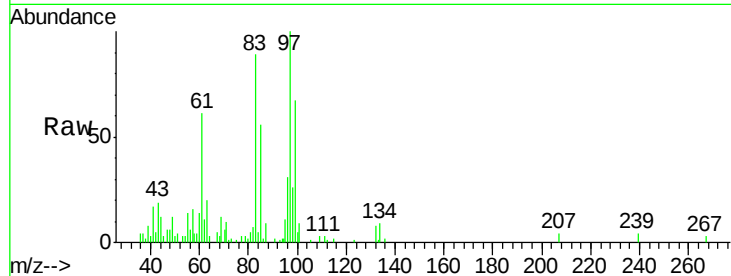
#55
 1,1,2-Trichloroethane
 Concen: 3.797 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.5	105.7
85	52.5	46.4	69.6
99	67.8	50.2	75.2

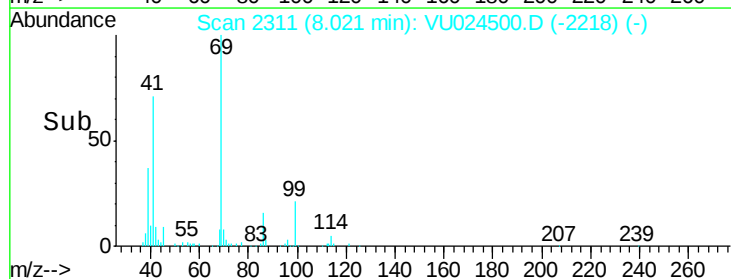
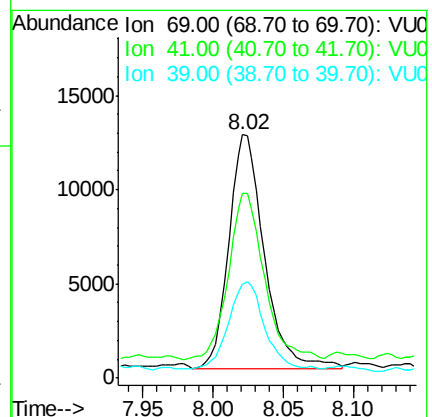
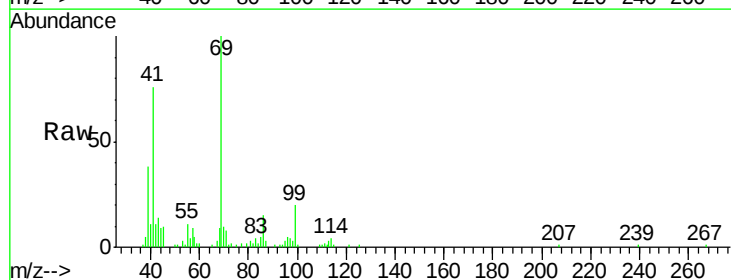
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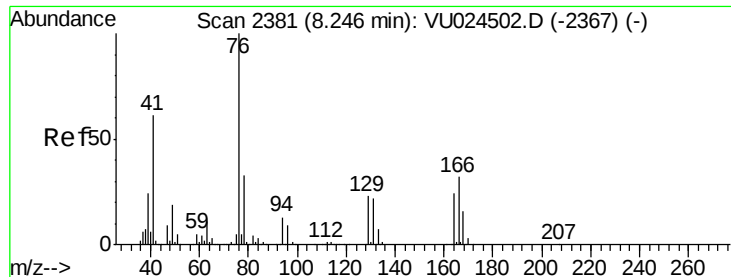
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#56
 Ethyl methacrylate
 Concen: 5.013 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.0	54.1	81.1
39	38.4	30.3	45.5





#57

1,3-Dichloropropane

Concen: 3.924 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 22364

Ion Ratio Lower Upper

76 100

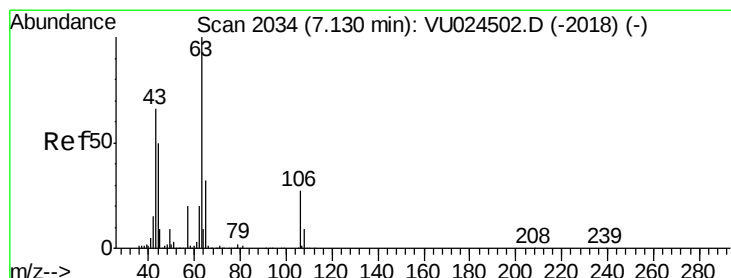
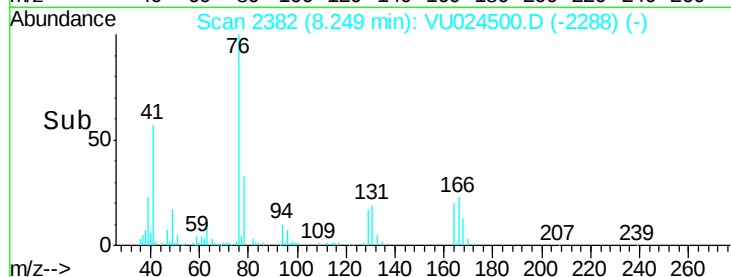
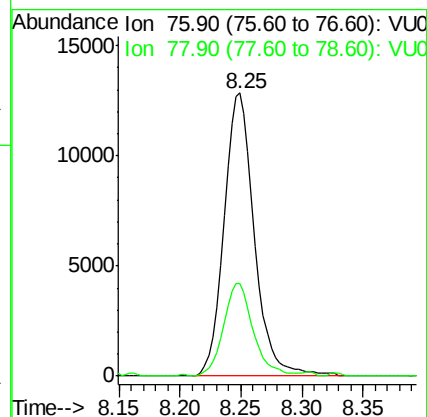
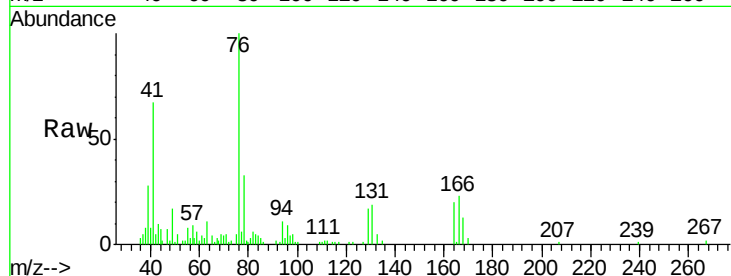
78 32.2 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 19.043 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU024500.D

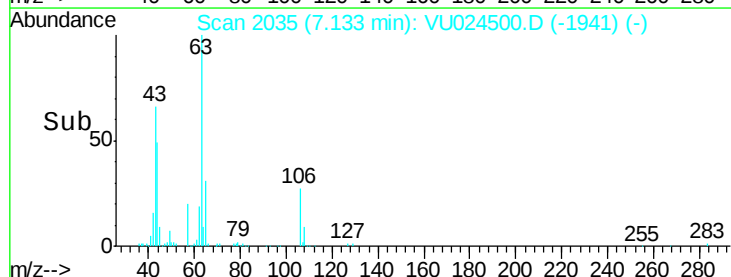
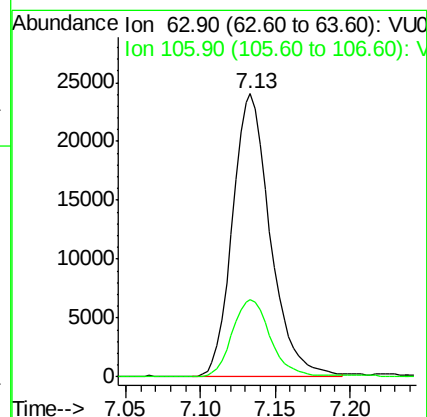
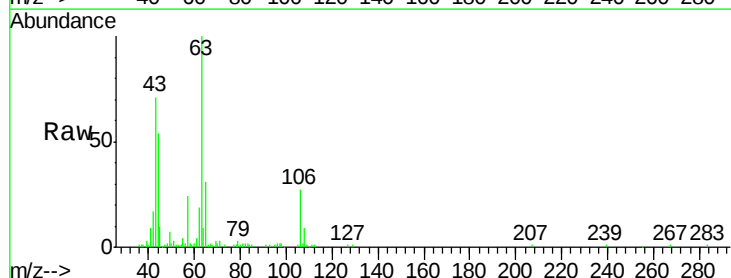
Acq: 13 Jun 2018 11:56

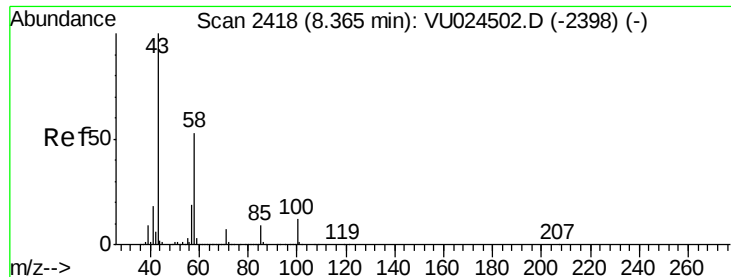
Tgt Ion: 63 Resp: 42363

Ion Ratio Lower Upper

63 100

106 27.7 20.2 30.2





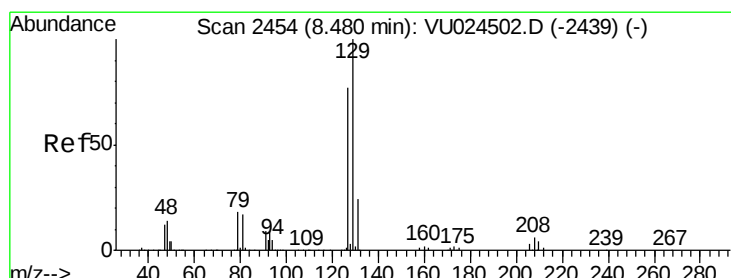
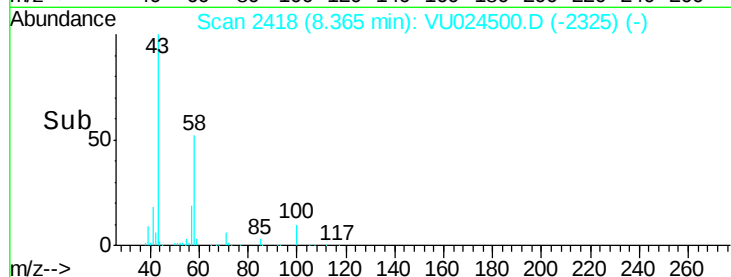
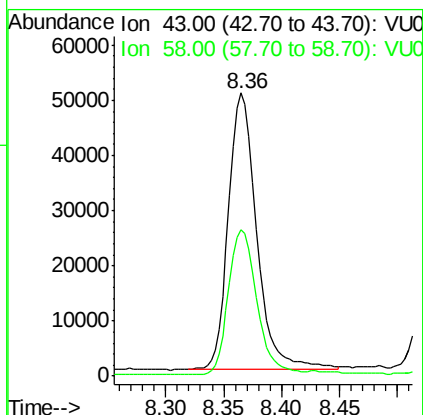
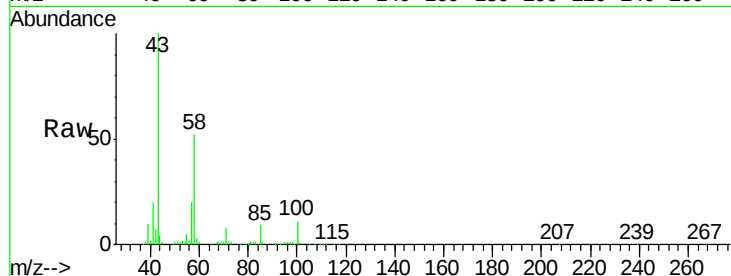
#59
2-Hexanone
Concen: 19.968 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 85118
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0

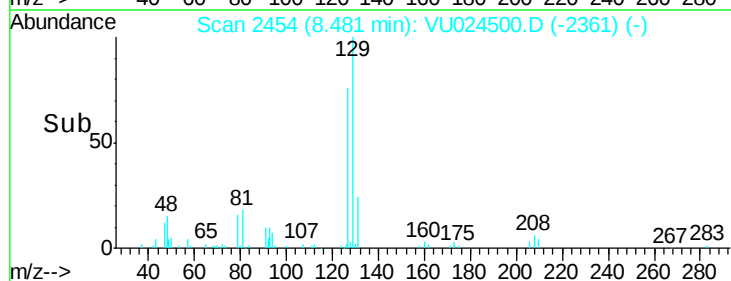
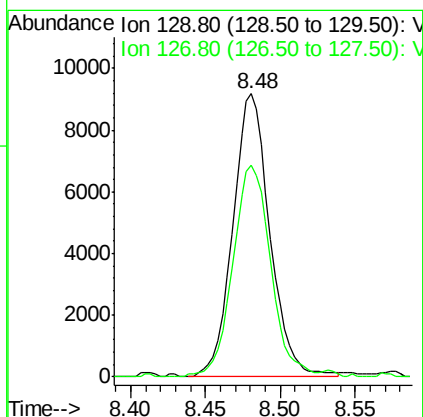
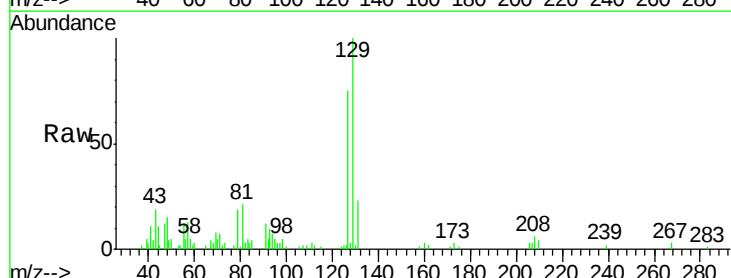
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#60
Dibromochloromethane
Concen: 4.701 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 129 Resp: 15829
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





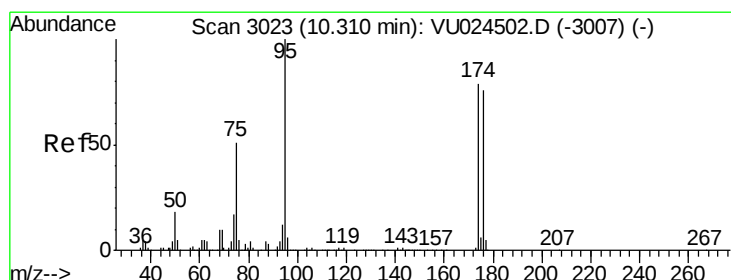
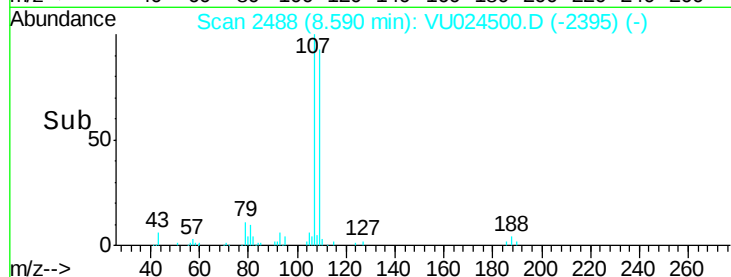
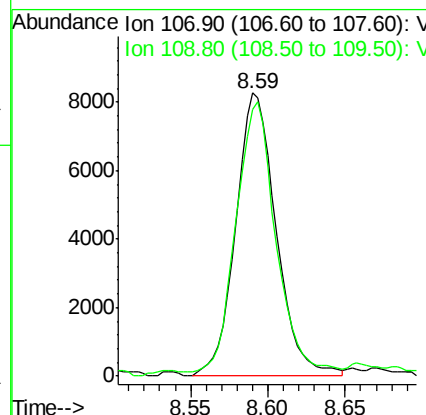
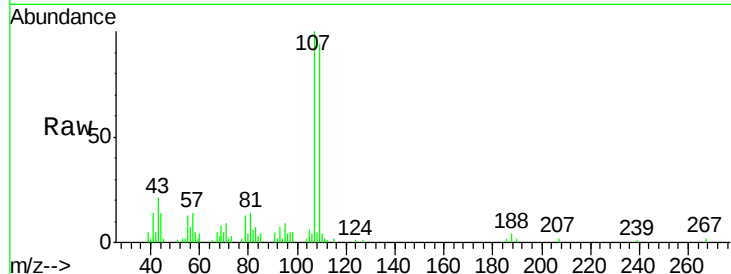
#61
 1,2-Dibromoethane
 Concen: 4.332 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 15039
 Ion Ratio Lower Upper
 107 100
 109 92.0 74.5 111.7

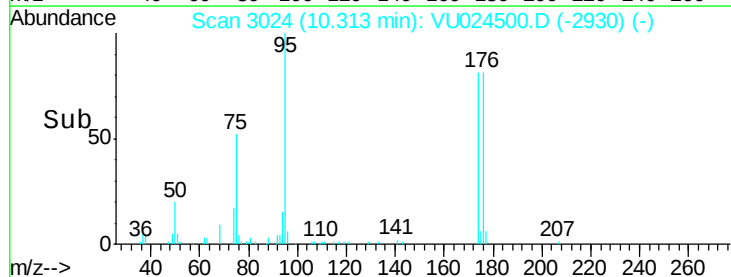
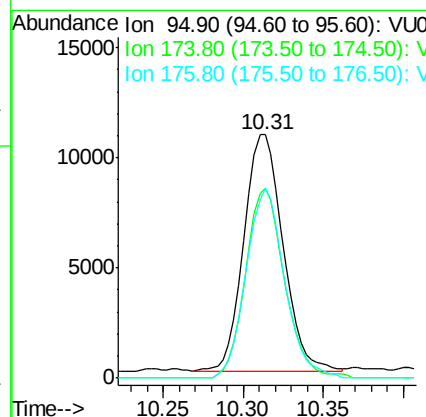
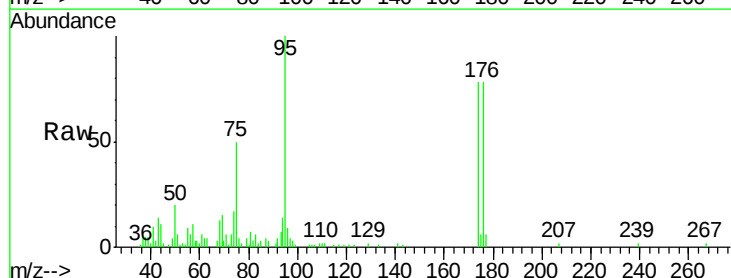
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#62
 4-Bromofluorobenzene
 Concen: 4.185 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 95 Resp: 17743
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 165.8
 176 79.5 0.0 159.4





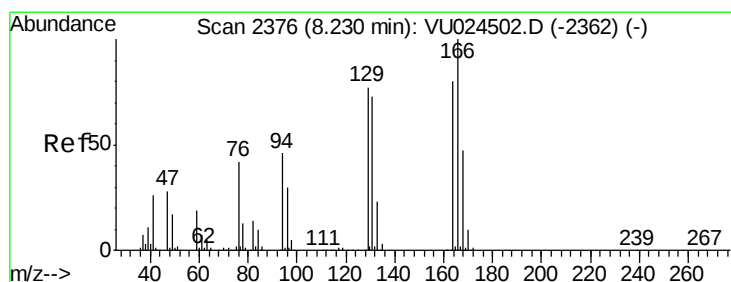
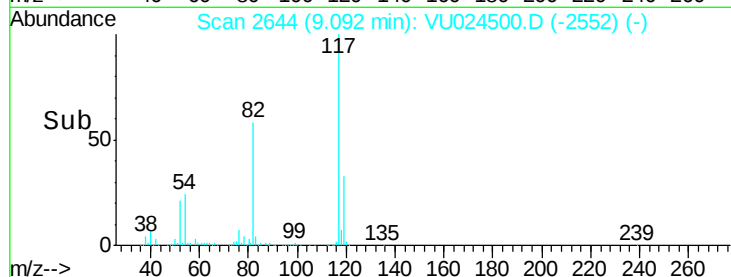
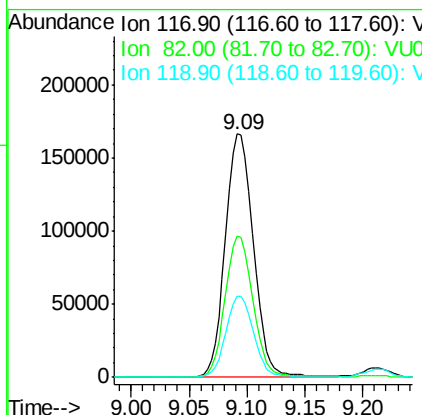
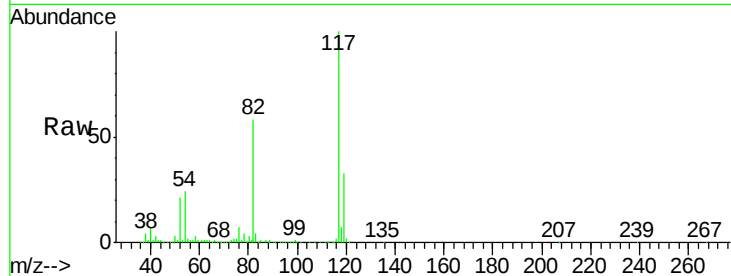
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	280445		
82	57.9	44.3	66.5	
119	33.4	25.4	38.2	

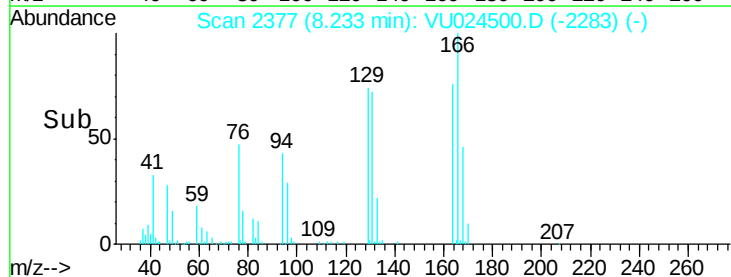
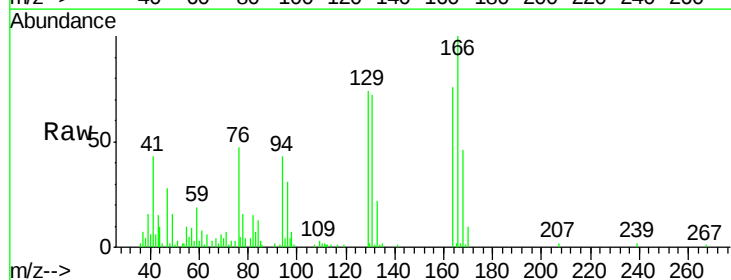
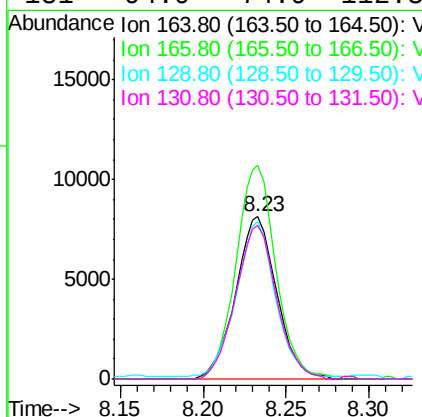
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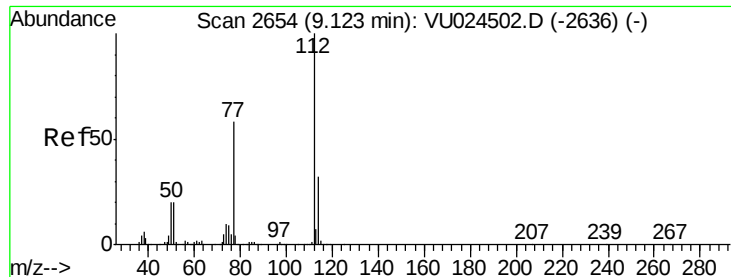
MMDadoda
6/14/2018 9:44:22 AM



#64
Tetrachloroethene
Concen: 5.008 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13962		
166	131.8	101.7	152.5	
129	95.9	76.9	115.3	
131	94.9	74.9	112.3	





#65

Chlorobenzene

Concen: 4.486 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 36609

Ion Ratio Lower Upper

112 100

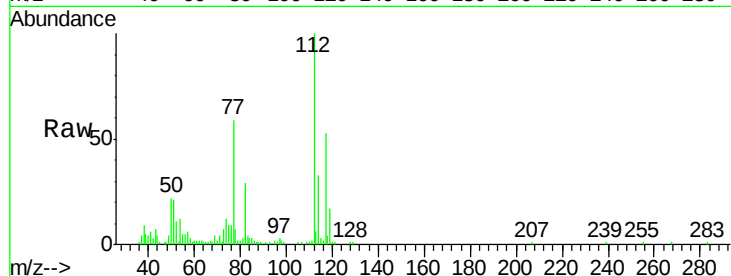
114 32.6 25.6 38.4

Manual Integrations

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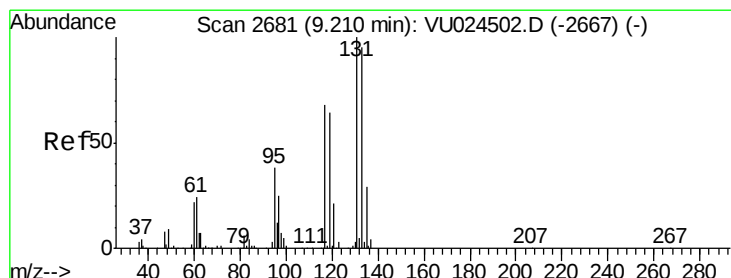
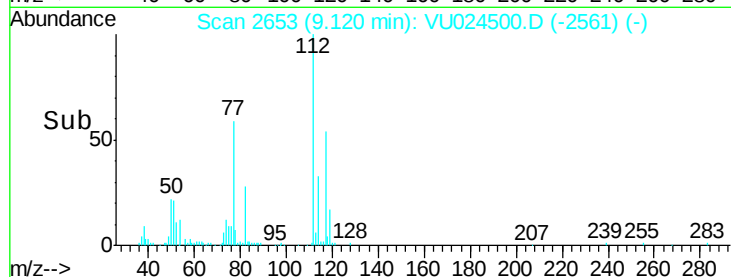
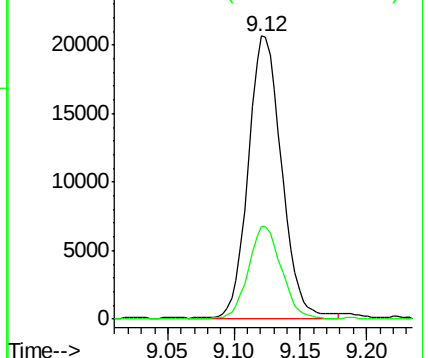
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.064 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

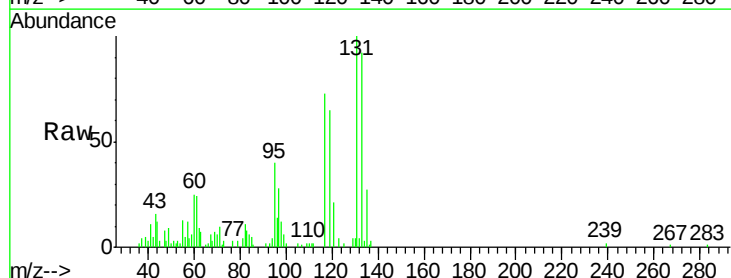
Tgt Ion:131 Resp: 14186

Ion Ratio Lower Upper

131 100

133 92.1 46.9 140.8

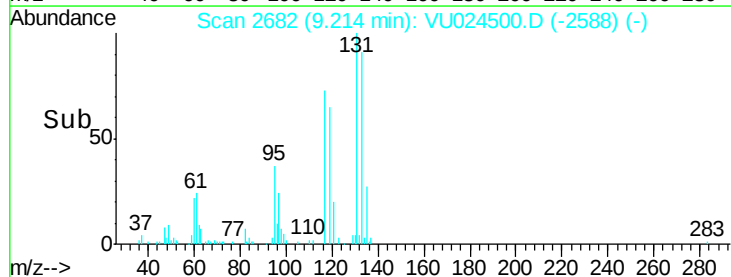
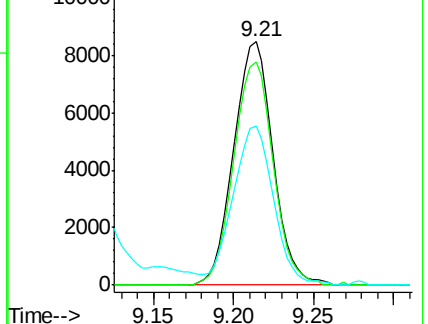
119 67.4 33.5 100.4

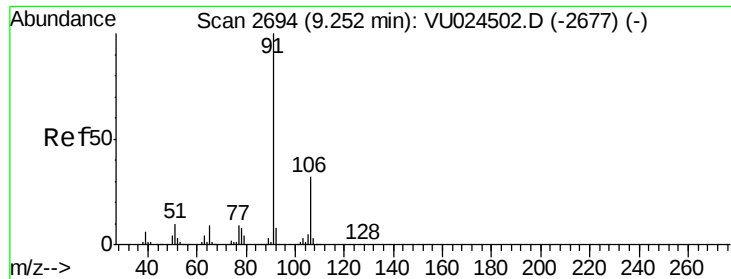


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





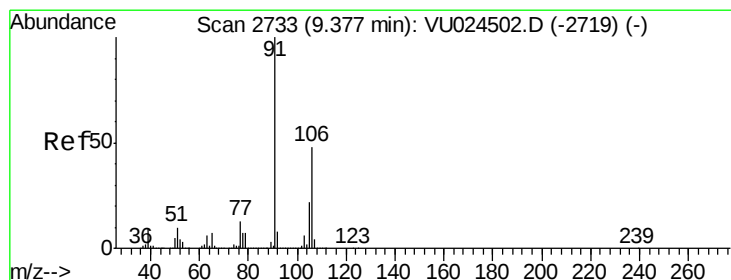
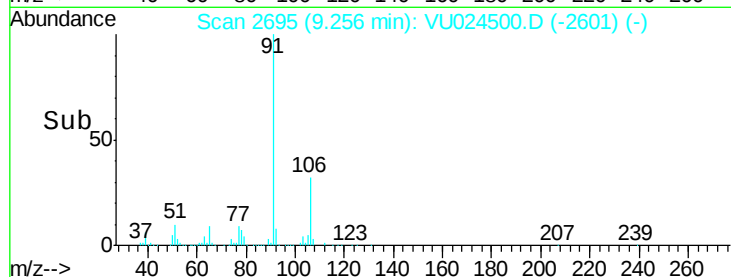
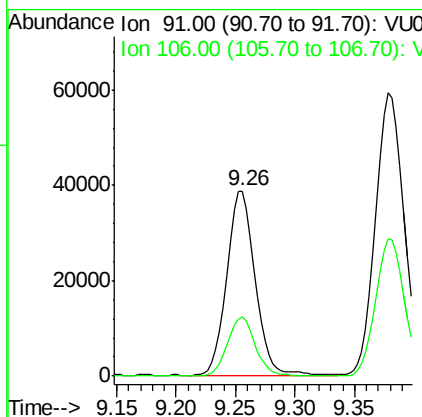
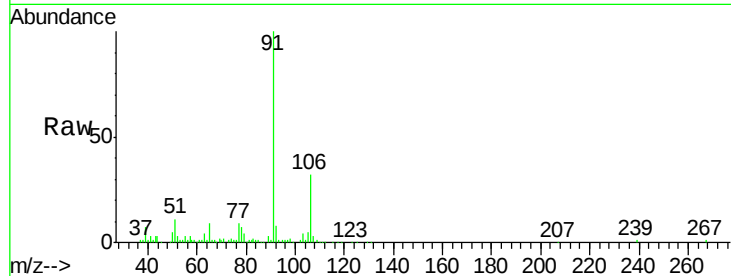
#67
Ethyl Benzene
Concen: 4.856 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 63907
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.4

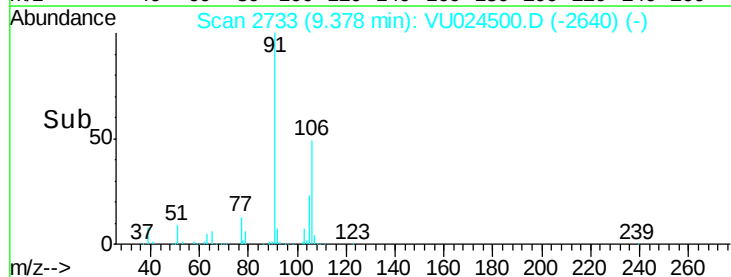
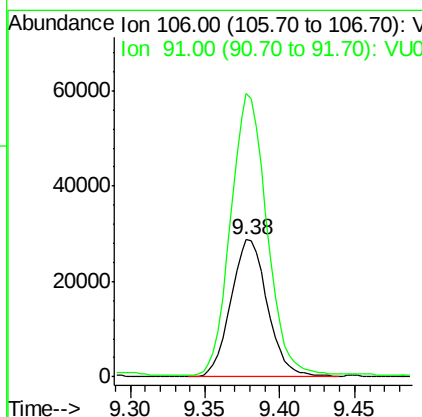
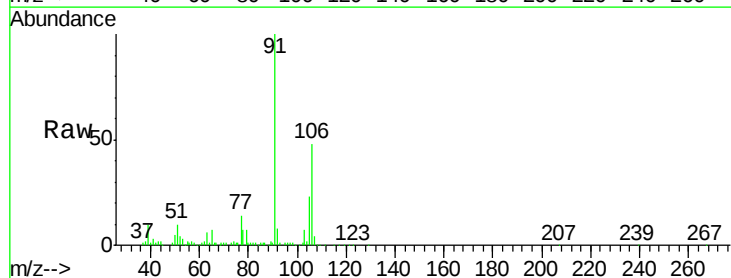
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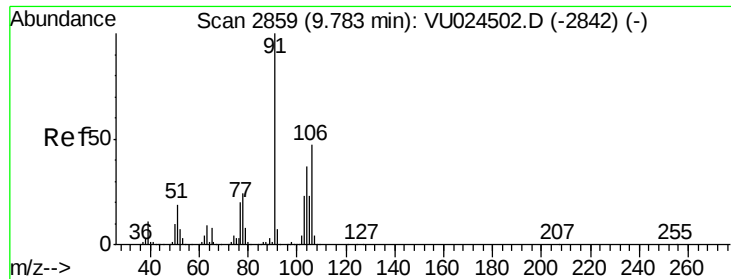
MMDadoda
6/14/2018 9:44:22 AM



#68
m/p-Xylenes
Concen: 9.826 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 106 Resp: 49256
Ion Ratio Lower Upper
106 100
91 202.1 166.5 249.7





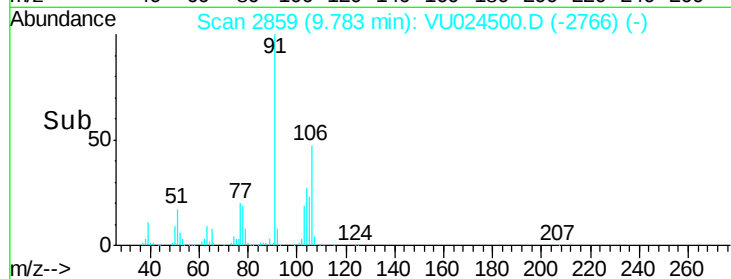
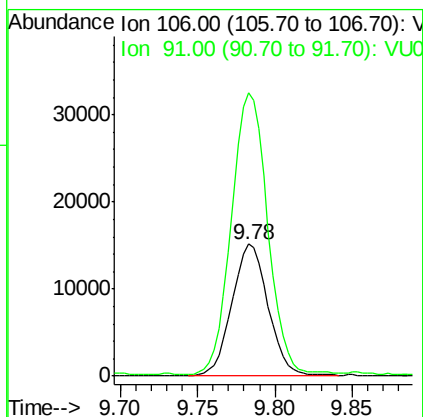
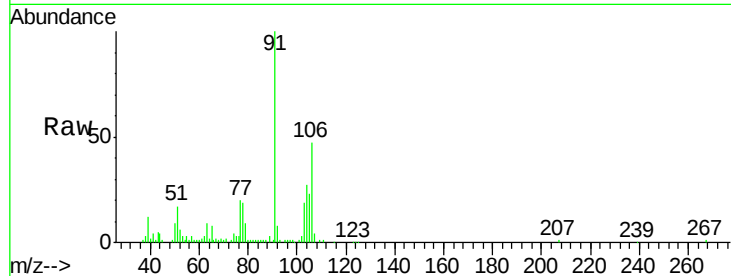
#69
o-Xylene
Concen: 5.353 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 24735
Ion Ratio Lower Upper
106 100
91 211.3 110.7 331.9

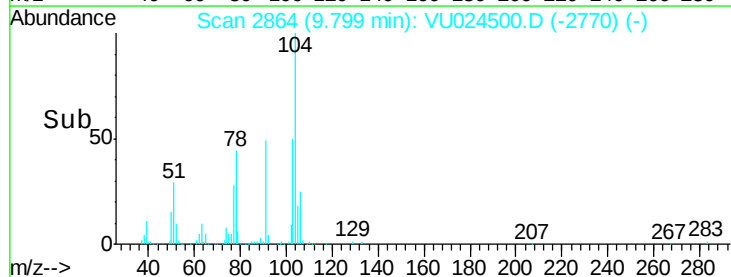
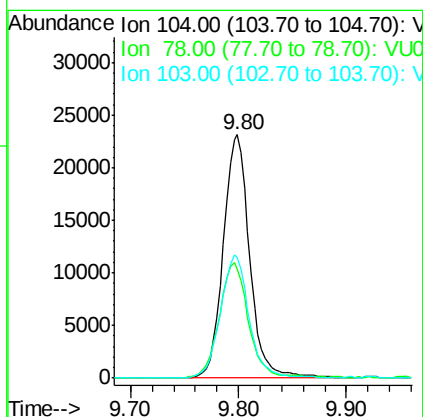
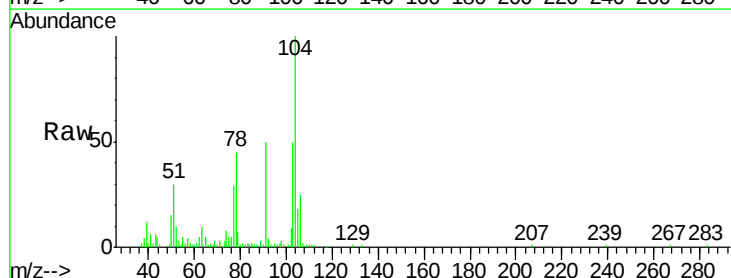
Manual Integrations
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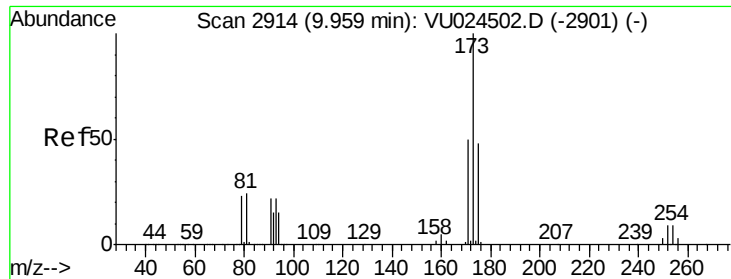
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#70
Styrene
Concen: 5.010 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion:104 Resp: 39411
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 54.7 44.7 67.1





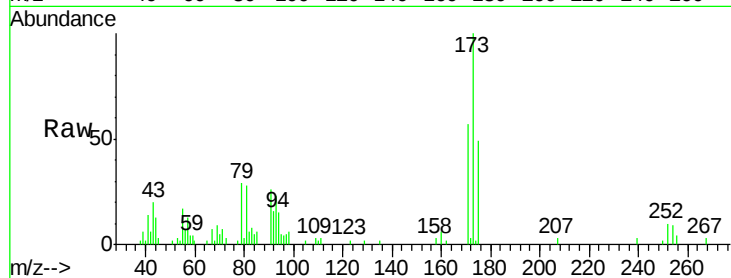
#71
Bromoform
Concen: 5.279 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

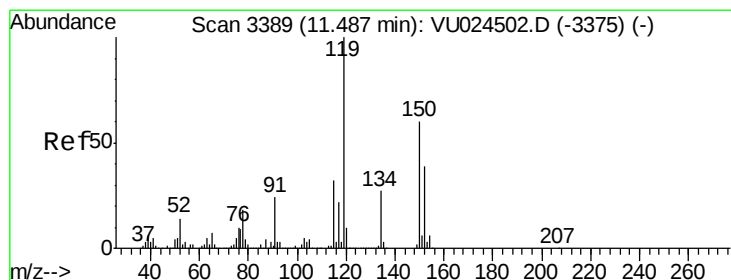
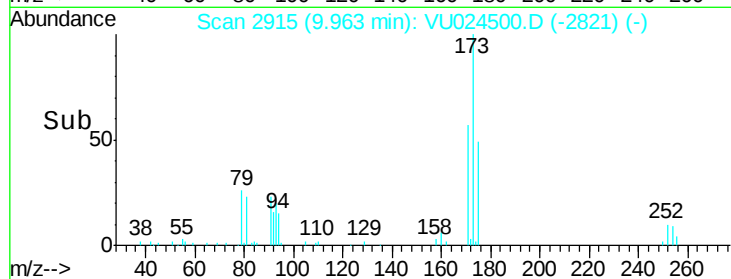
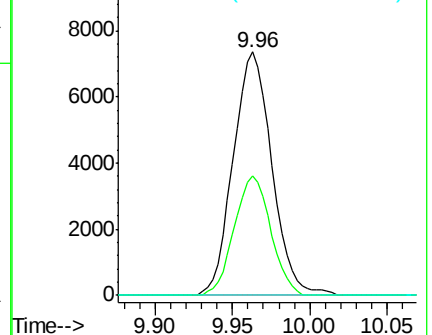
Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.6	74.0
254	0.0	0.0	0.0

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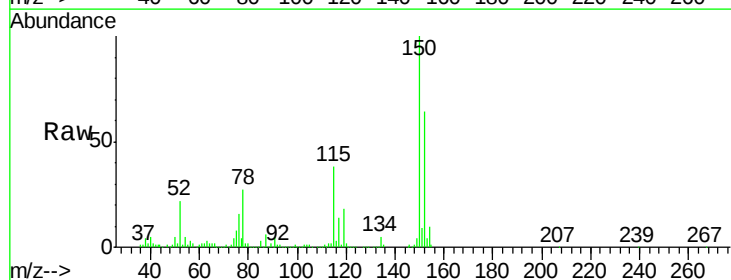


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

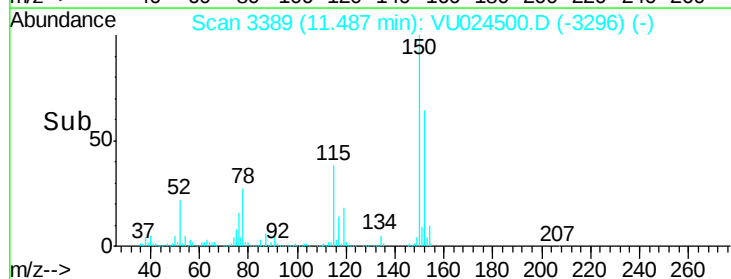
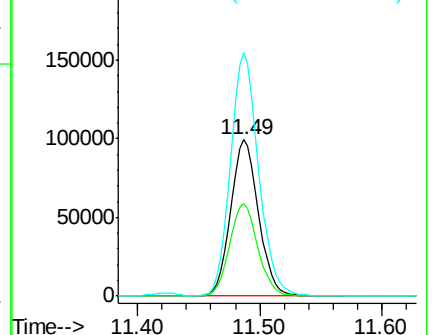


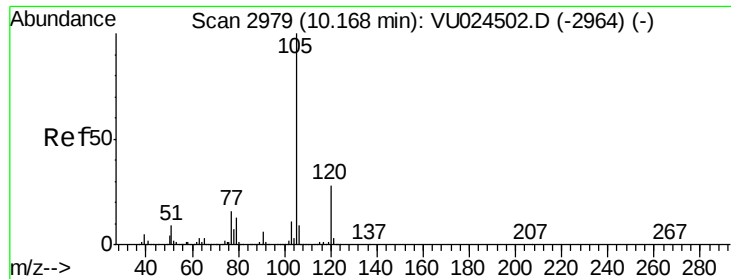
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.0	129.0
150	156.7	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: 5.835 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 63738

Ion Ratio Lower Upper

105 100

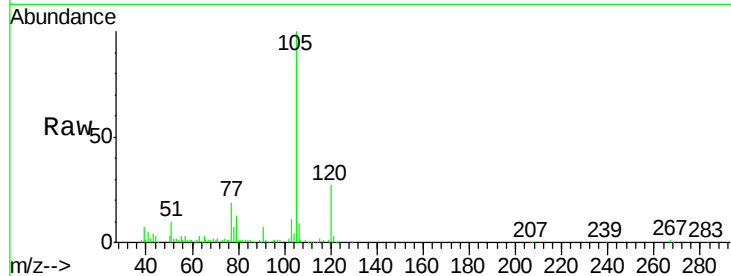
120 27.5 13.2 39.6

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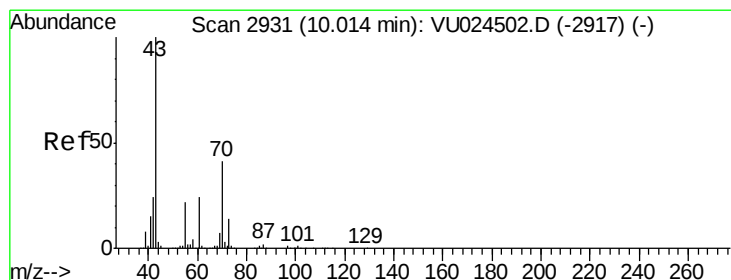
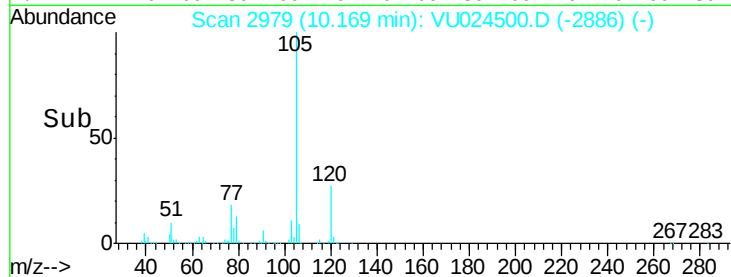
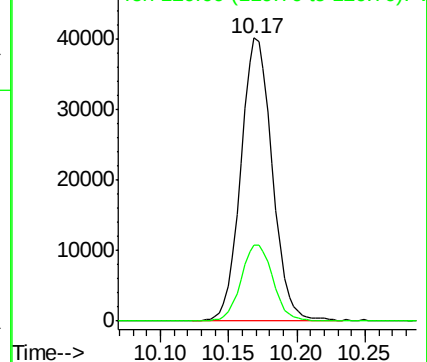
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.077 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion: 43 Resp: 30047

Ion Ratio Lower Upper

43 100

70 37.7 32.2 48.4

55 20.6 20.5 30.7

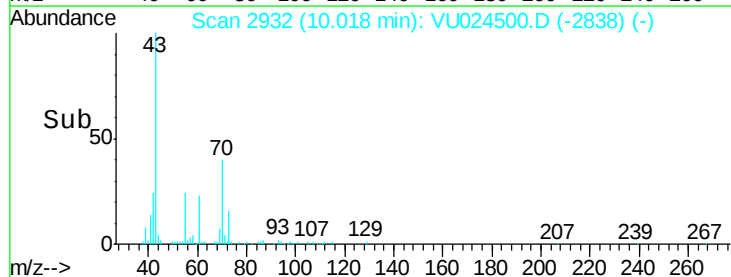
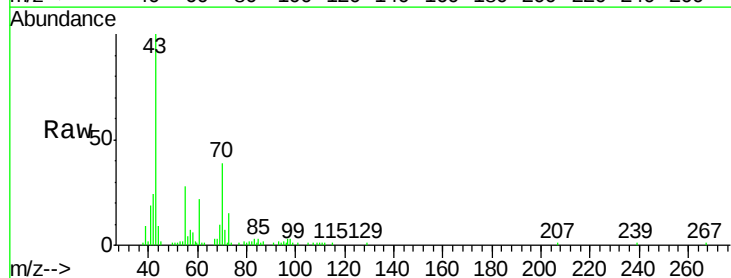
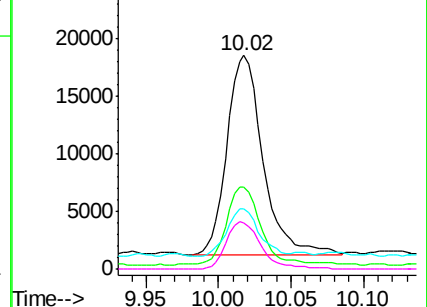
61 23.0 18.7 28.1

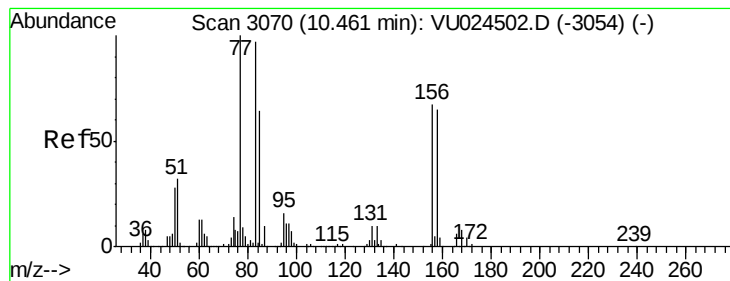
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





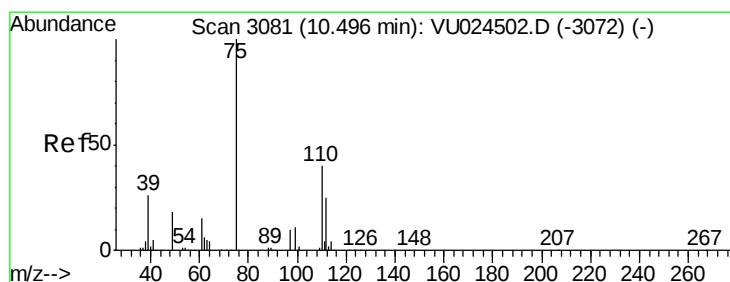
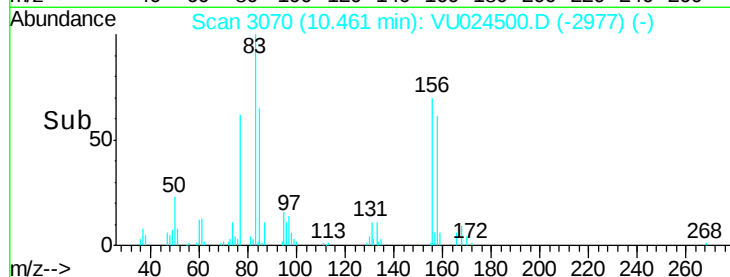
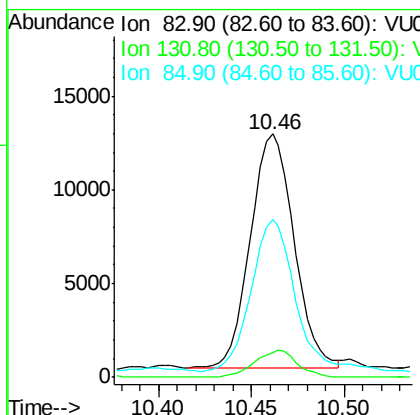
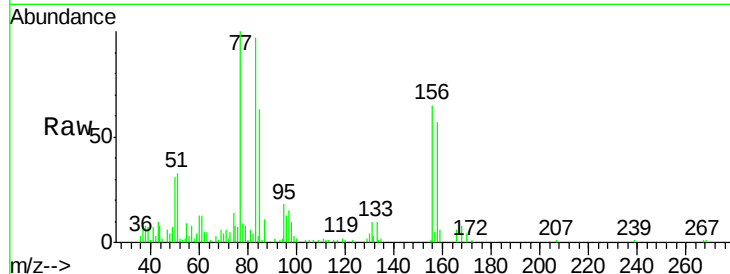
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.314 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.4	4.7	14.1
85	66.3	32.5	97.5

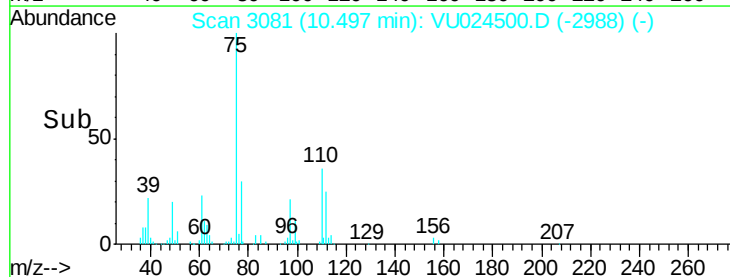
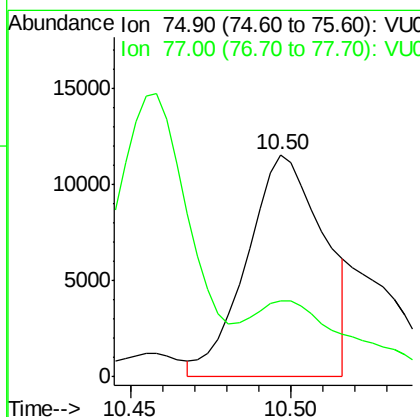
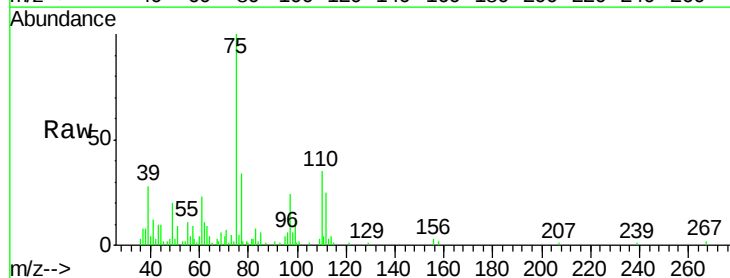
Manual Integrations
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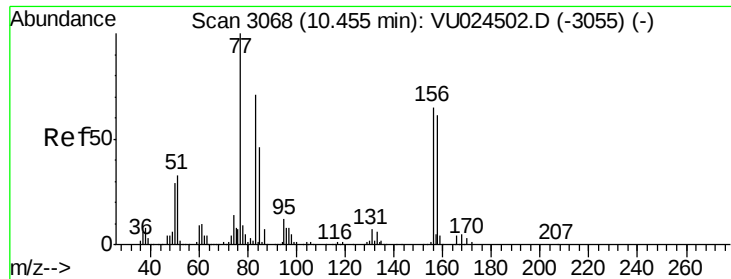
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 6/14/2018 9:44:22 AM



#76
 1,2,3-Trichloropropane
 Concen: 5.794 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.9	62.7





#77

Bromobenzene

Concen: 5.324 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

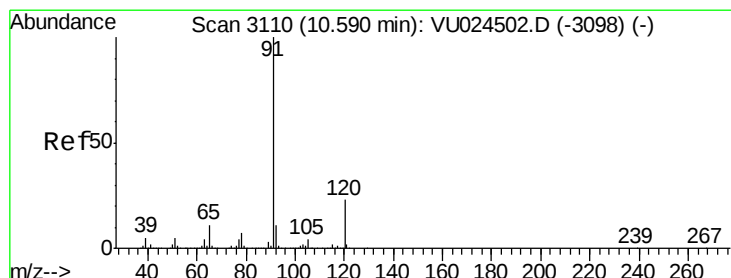
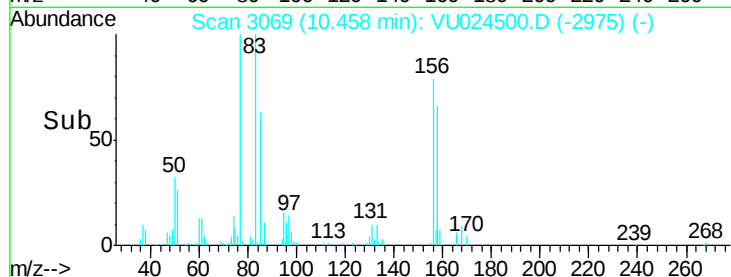
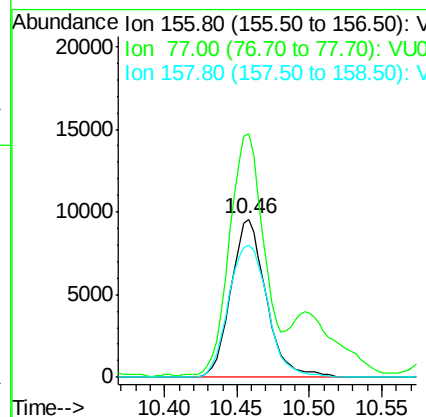
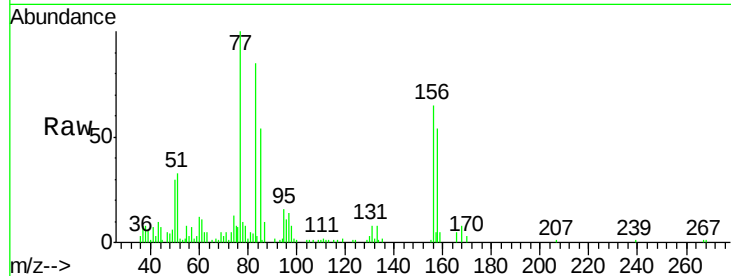
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	16104
Ion Ratio	Lower	Upper	
156	100		
77	148.5	80.5	241.3
158	93.1	48.2	144.6

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#78

n-propylbenzene

Concen: 5.587 ug/l

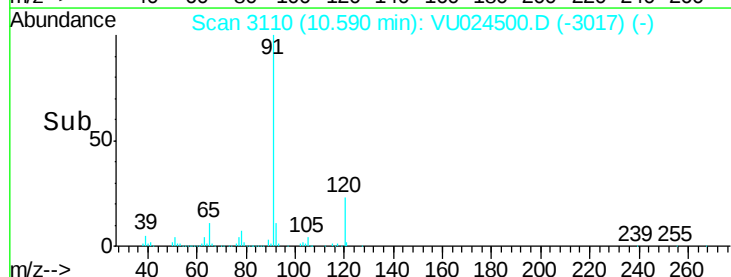
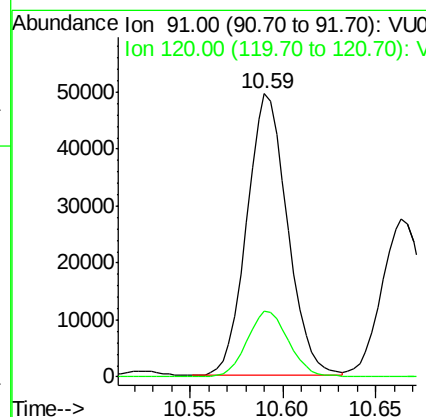
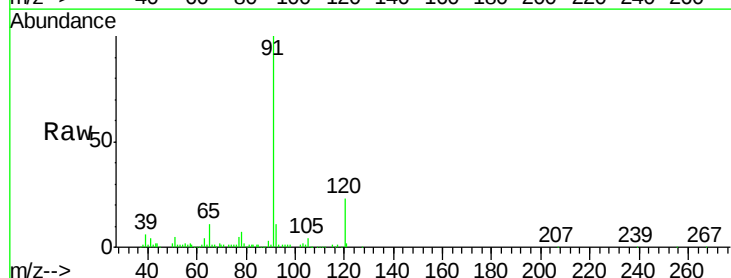
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	91	Resp:	75667
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 5.296 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tgt Ion: 91 Resp: 43538

Ion Ratio Lower Upper

91 100

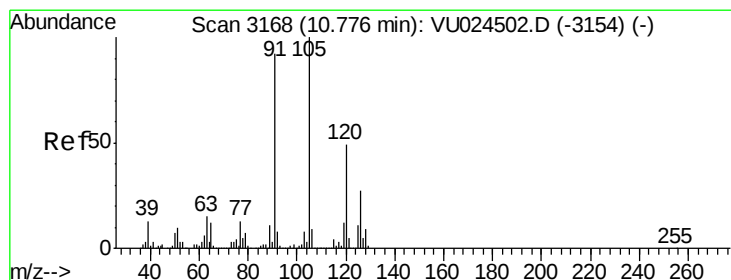
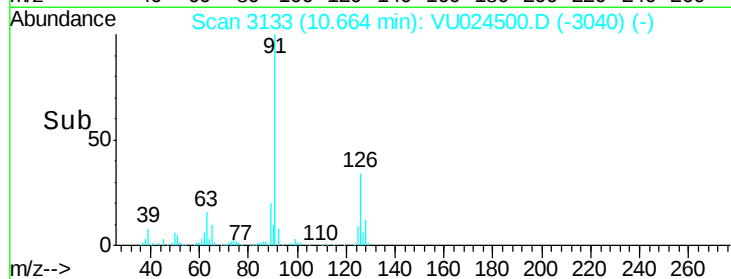
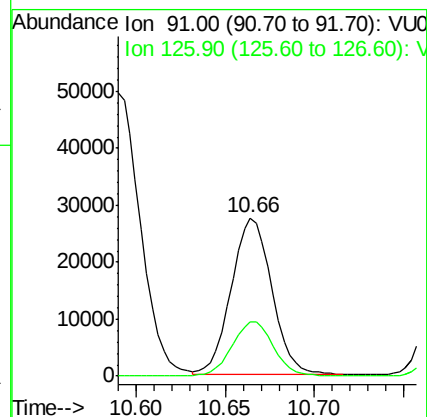
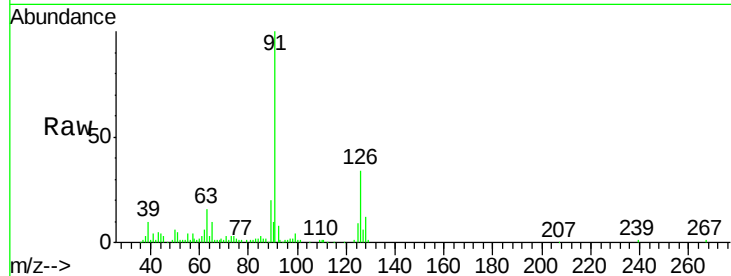
126 35.6 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 5.997 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024500.D

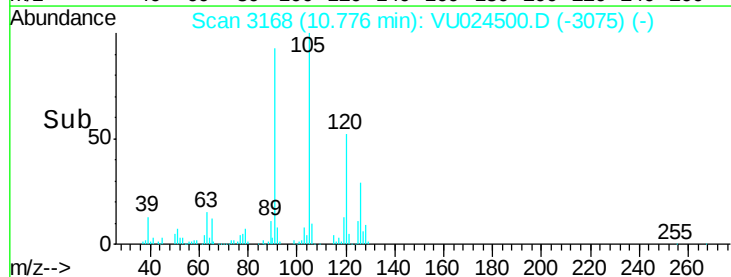
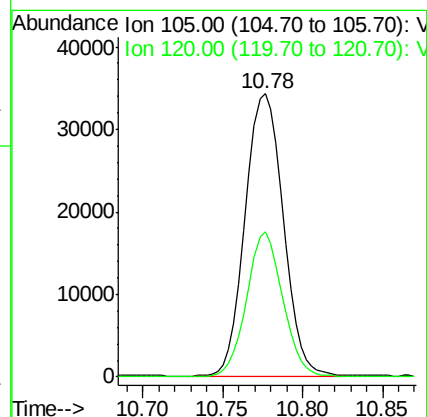
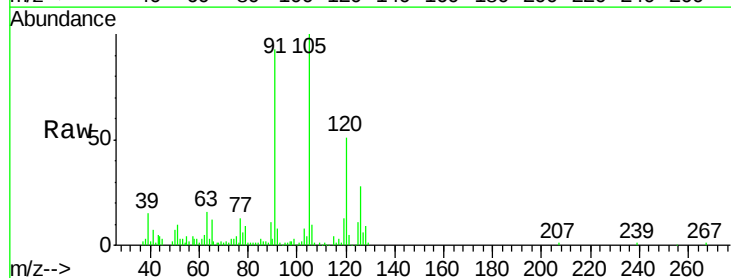
Acq: 13 Jun 2018 11:56

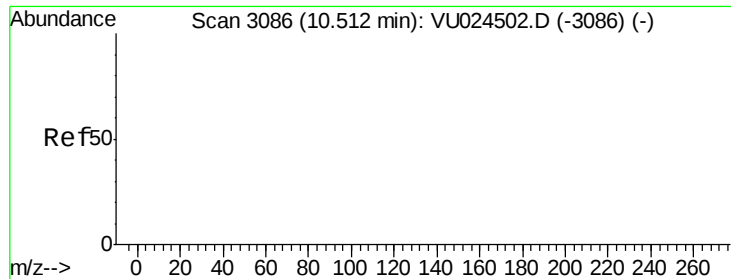
Tgt Ion: 105 Resp: 55557

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.967 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

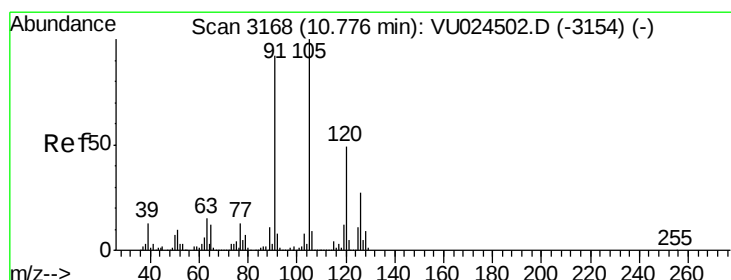
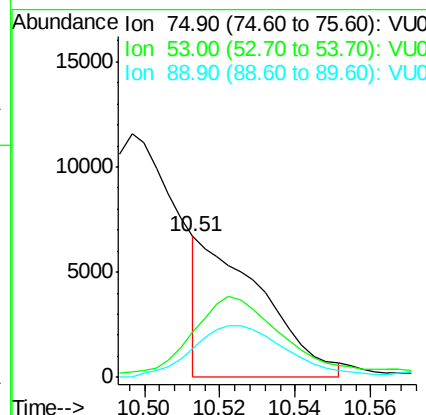
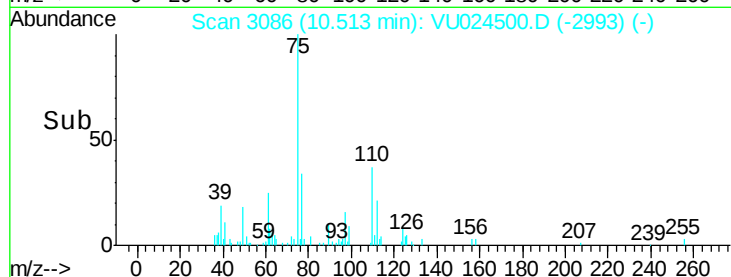
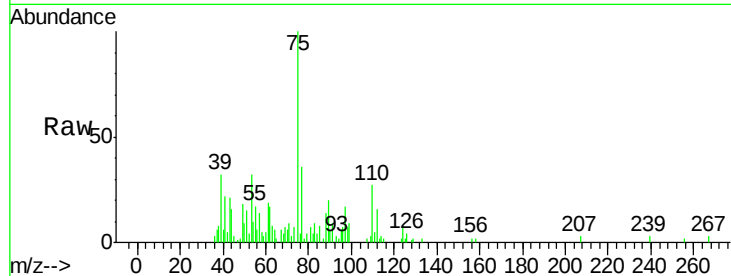
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	7782
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 5.347 ug/l

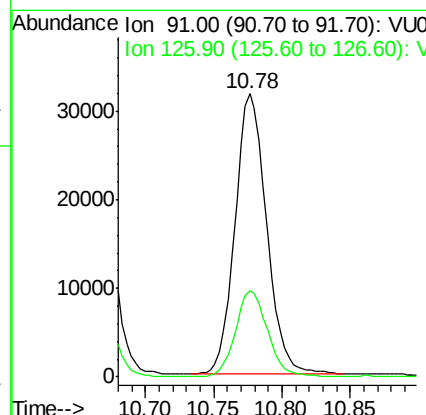
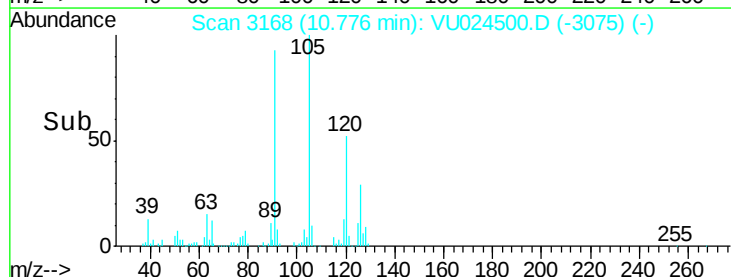
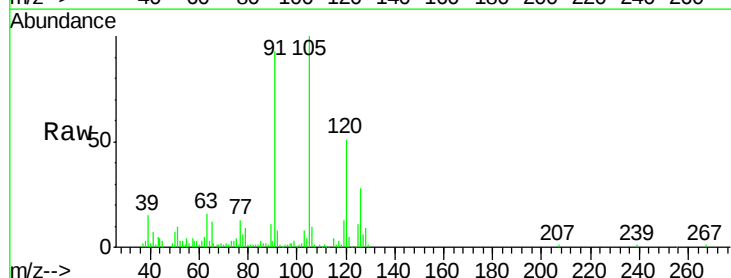
RT: 10.78 min Scan# 3168

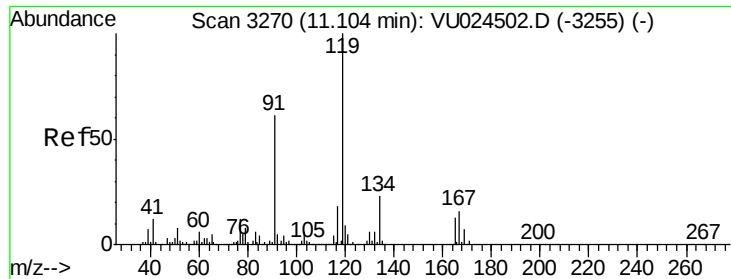
Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion:	91	Resp:	50997
Ion Ratio	Lower	Upper	
91	100		
126	31.1	14.9	44.9





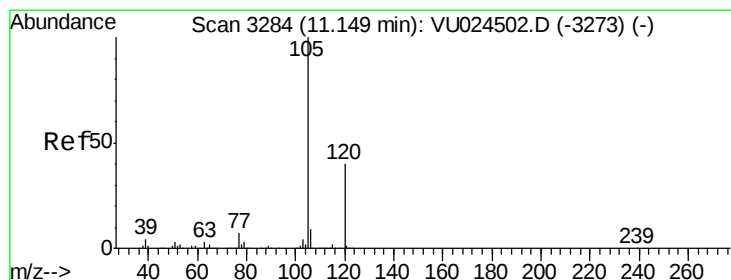
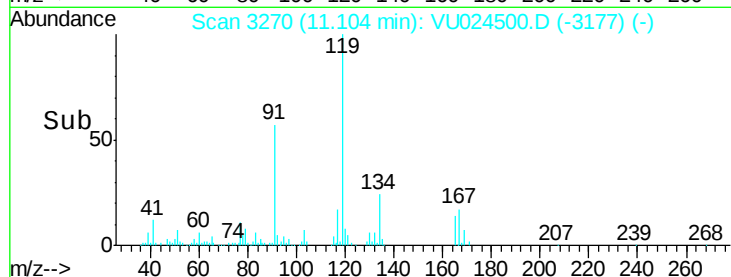
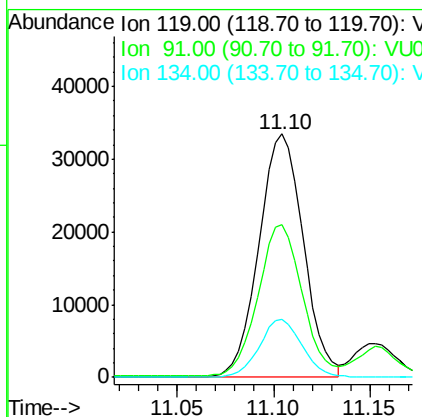
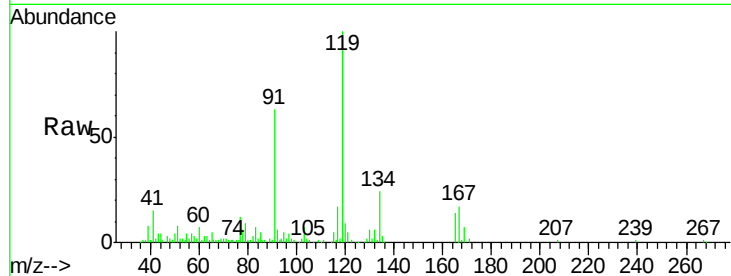
#83
 tert-Butylbenzene
 Concen: 5.931 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.8	29.7	89.1
134	22.9	11.6	34.7

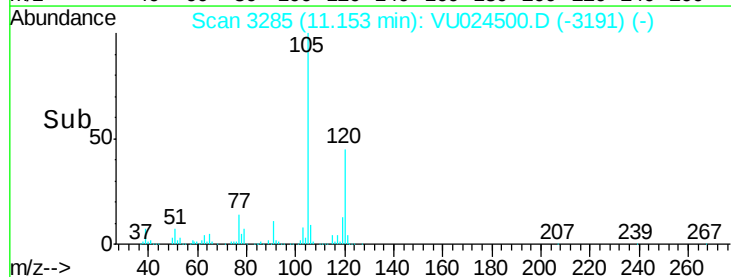
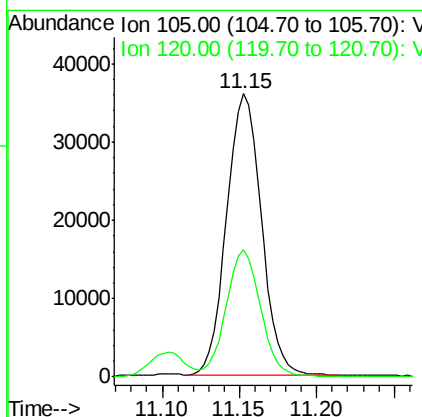
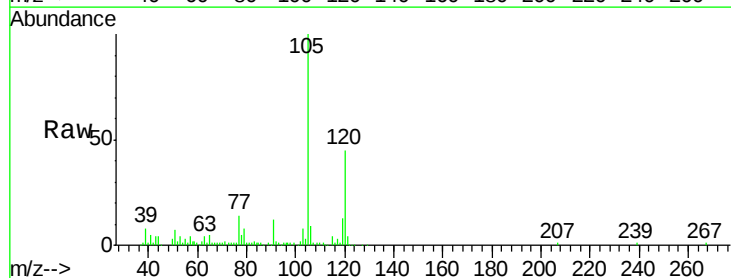
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.006 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8





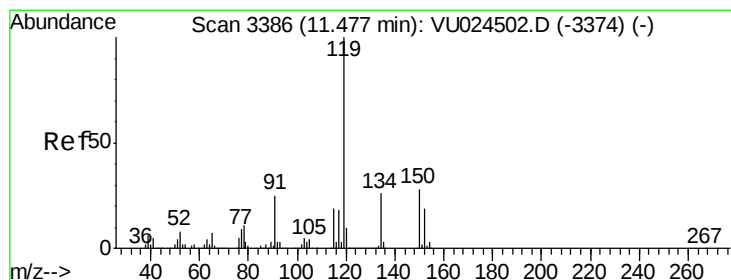
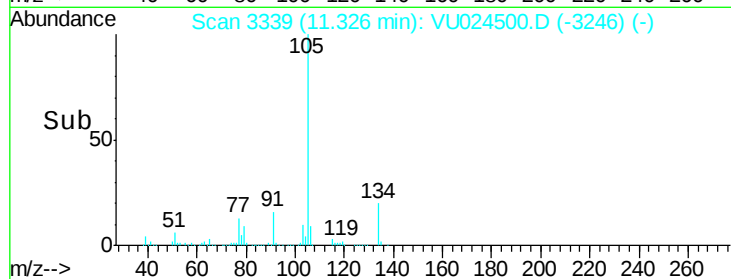
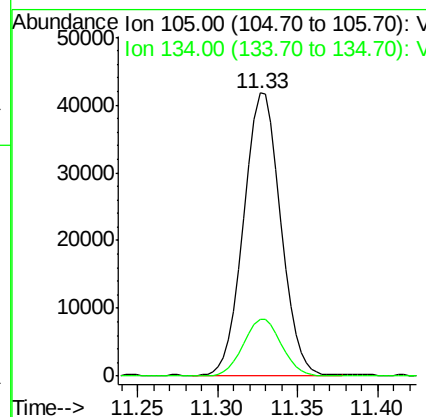
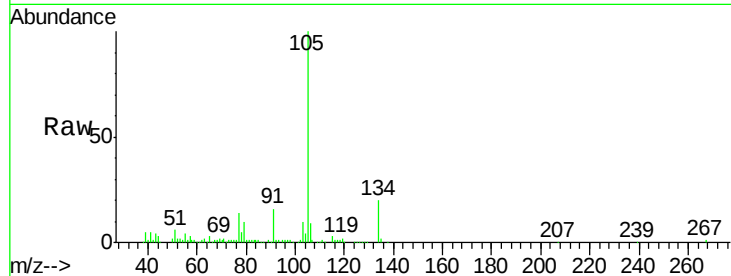
#85
 sec-Butylbenzene
 Concen: 5.842 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.7	29.1

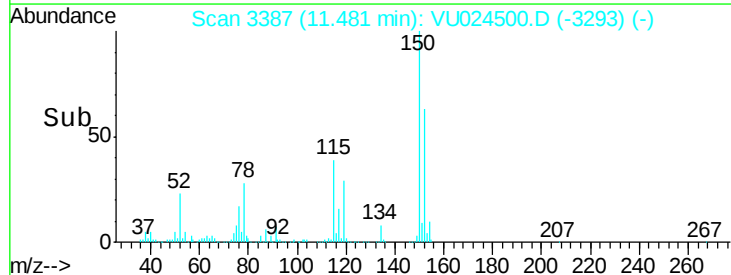
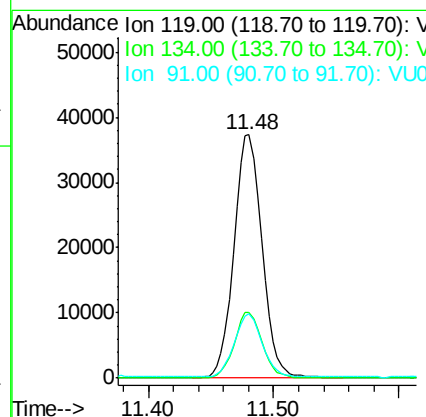
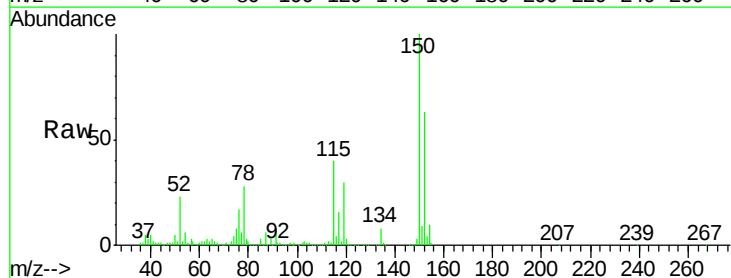
Manual Integrations
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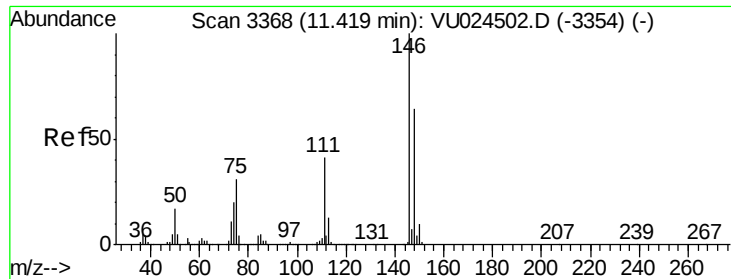
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#86
 p-Isopropyltoluene
 Concen: 5.830 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.9	38.6
91	25.2	12.0	36.1





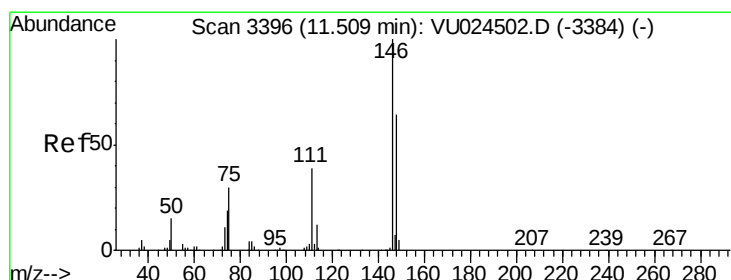
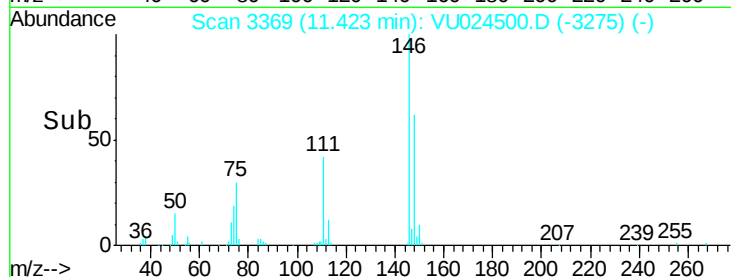
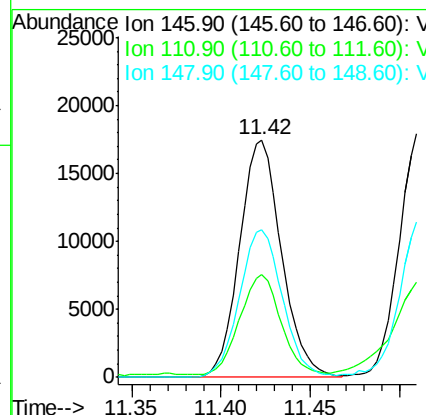
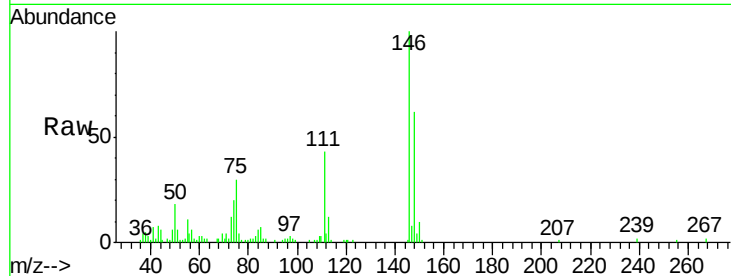
#87
 1,3-Dichlorobenzene
 Concen: 4.933 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	28681		
111	41.4	20.0	60.0	
148	63.8	32.1	96.5	

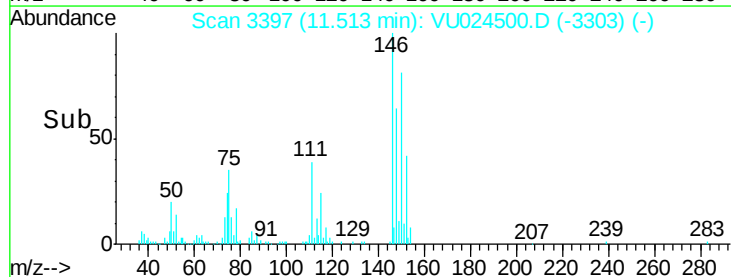
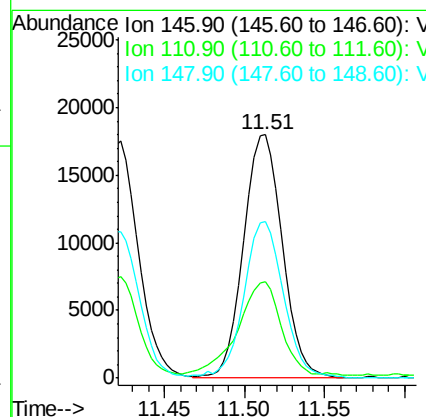
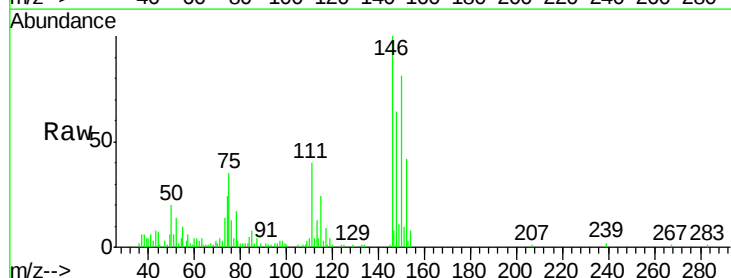
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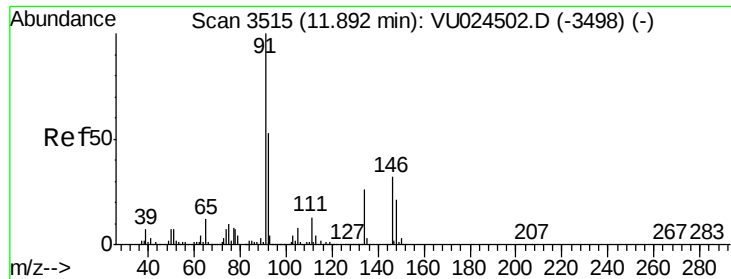
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#88
 1,4-Dichlorobenzene
 Concen: 4.895 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	29793		
111	41.7	19.5	58.5	
148	65.6	32.4	97.0	





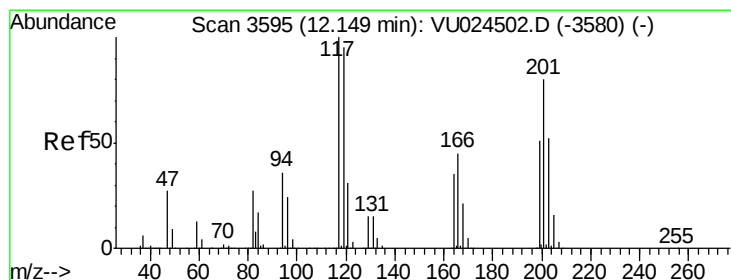
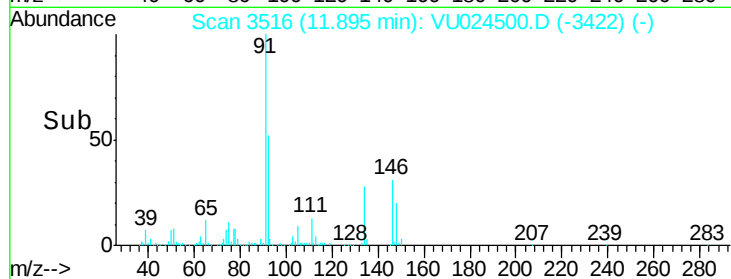
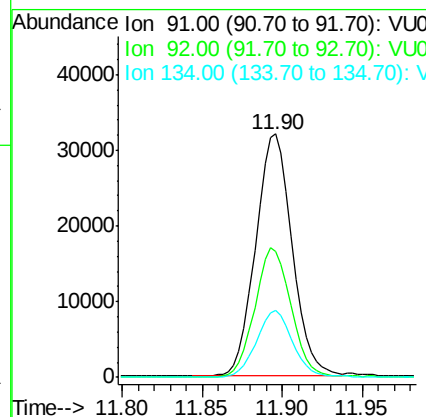
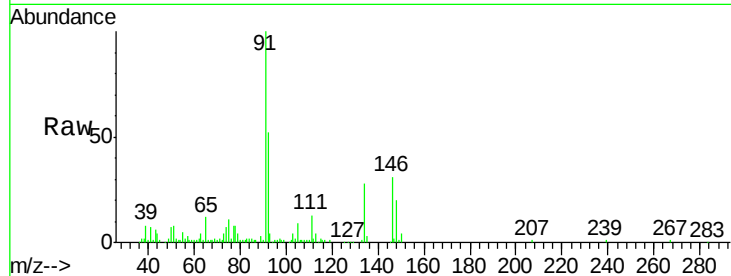
#89
n-Butylbenzene
Concen: 5.102 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	27.6	12.3	36.8

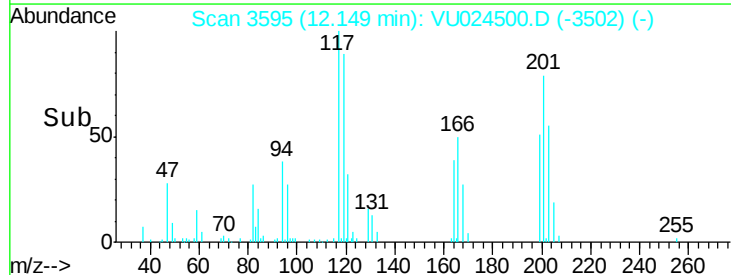
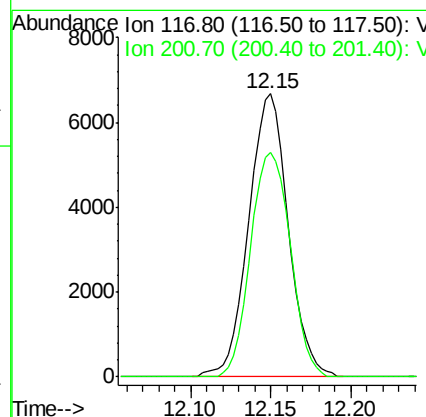
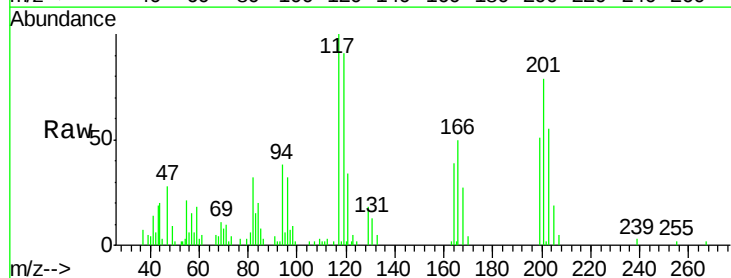
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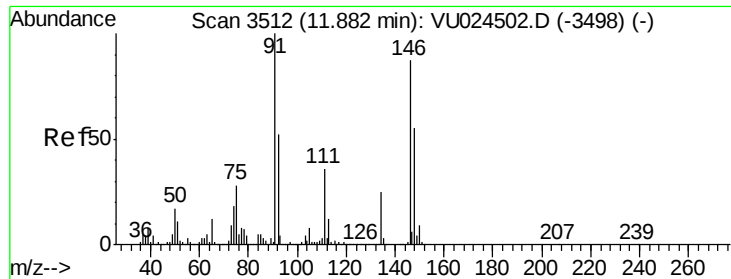
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#90
Hexachloroethane
Concen: 6.287 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	41.1	123.3





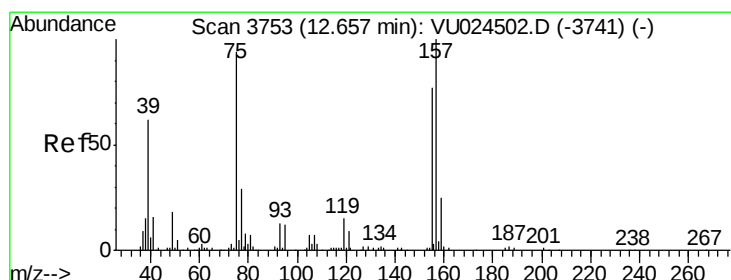
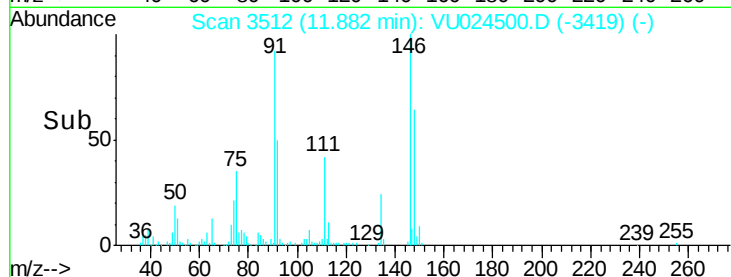
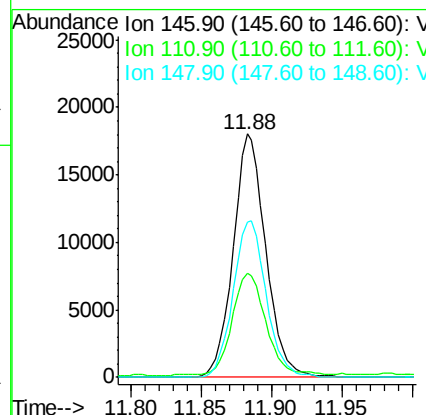
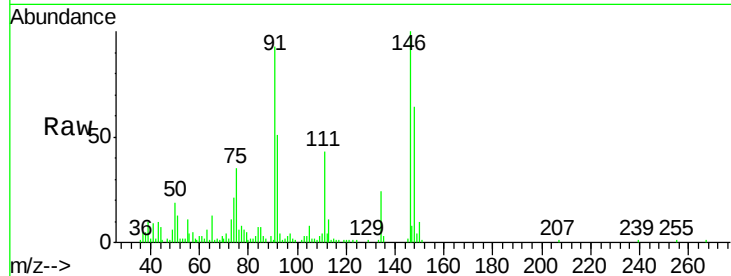
#91
1,2-Dichlorobenzene
Concen: 5.009 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.5	61.6
148	65.3	31.9	95.7

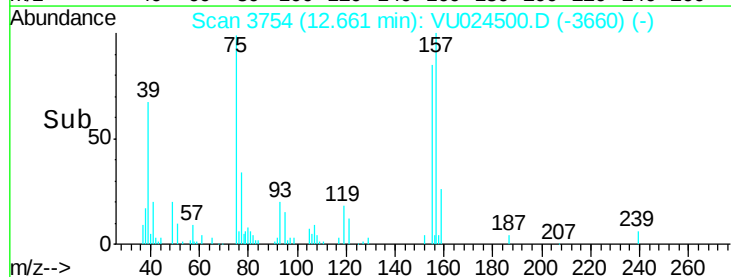
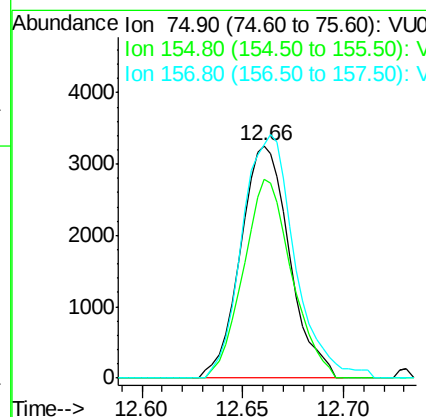
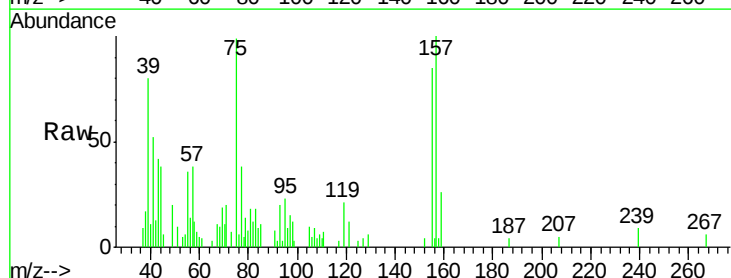
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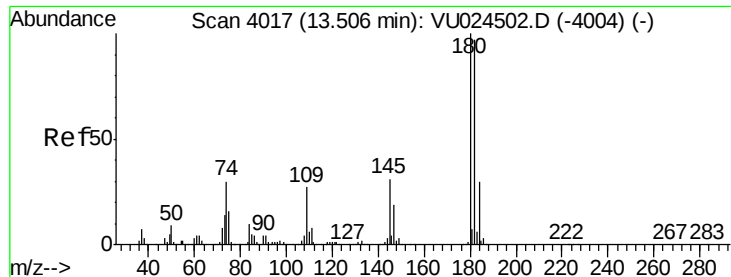
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#92
1,2-Dibromo-3-Chloropropane
Concen: 5.714 ug/l
RT: 12.66 min Scan# 3754
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.4	121.2
157	112.9	52.3	156.8





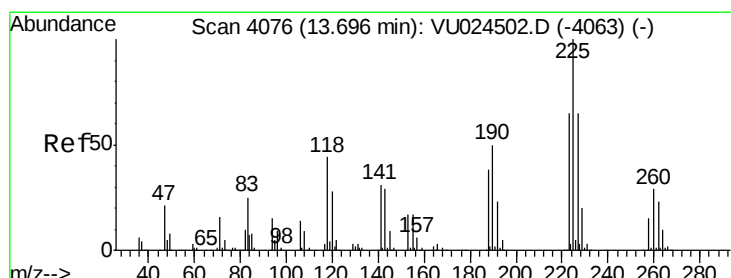
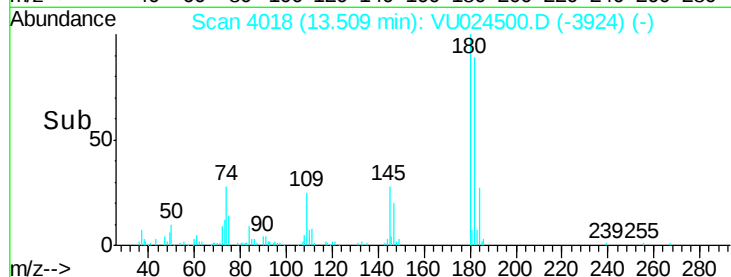
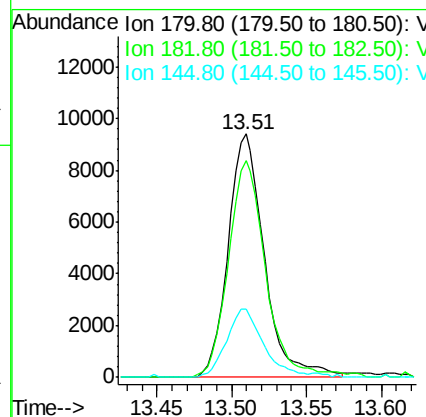
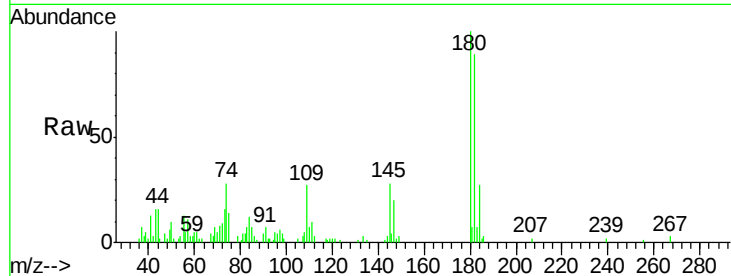
#93
 1,2,4-Trichlorobenzene
 Concen: 4.620 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.0	144.2
145	28.6	14.7	44.1

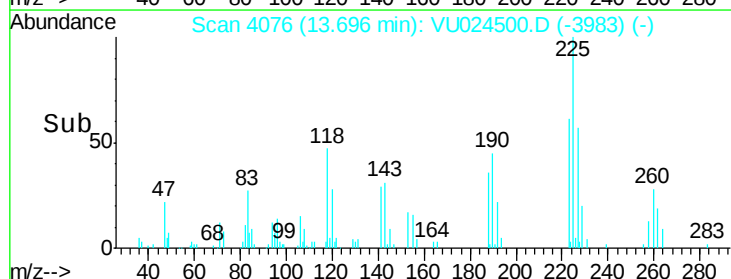
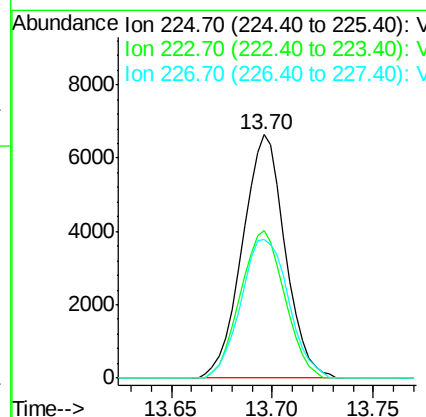
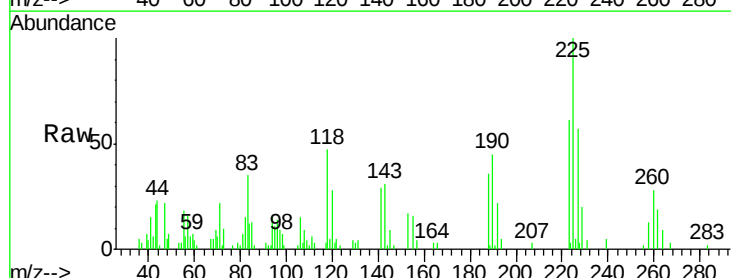
Manual Integrations
 APPROVED

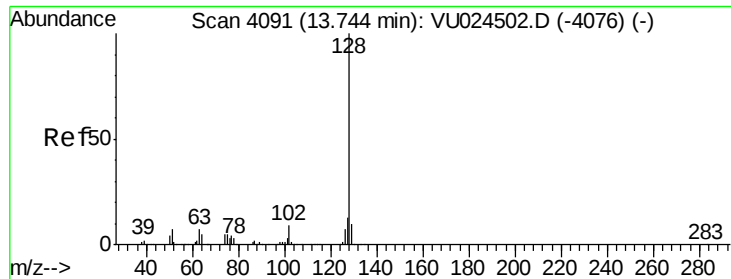
MMDadoda
 6/14/2018 9:44:22 AM



#94
 Hexachlorobutadiene
 Concen: 4.843 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	63.4	31.8	95.4





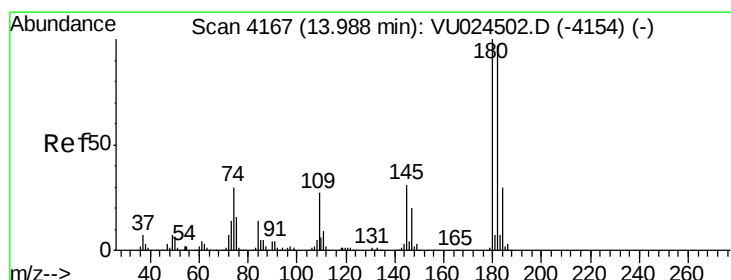
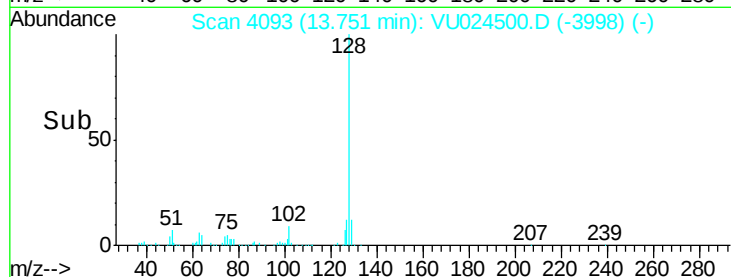
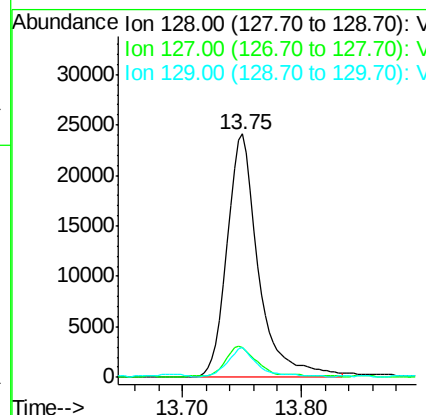
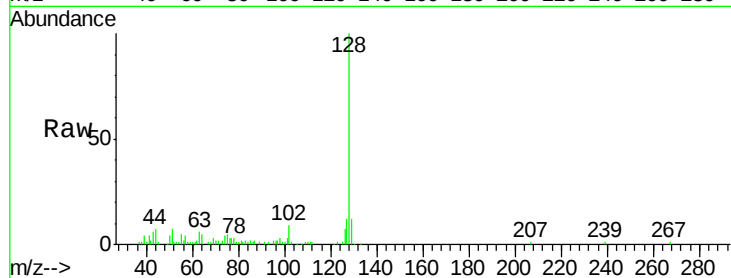
#95
Naphthalene
Concen: 4.700 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	12.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.519 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	35.1	15.4	46.1

