

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025362.D
 Acq On : 13 Jul 2018 01:13
 Operator : MD/SY
 Sample : VU0712WBSD03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:21 AM

Quant Time: Jul 13 04:55:00 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	123044	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.02%		
35) Dibromofluoromethane	4.89	113	101499	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.64%		
50) Toluene-d8	7.57	98	326235	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.76%		
62) 4-Bromofluorobenzene	10.31	95	131147	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31431	18.410	ug/l	100
3) Chloromethane	1.33	50	32205	19.282	ug/l	100
4) Vinyl Chloride	1.40	62	34429	18.351	ug/l	97
5) Bromomethane	1.62	94	22606	20.444	ug/l	96
6) Chloroethane	1.70	64	23866	20.177	ug/l	96
7) Trichlorofluoromethane	1.89	101	58204	19.740	ug/l	99
8) Diethyl Ether	2.10	74	22541	20.372	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36602	20.031	ug/l	99
10) Methyl Iodide	2.41	142	40339	24.389	ug/l	99
11) Tert butyl alcohol	2.82	59	62311	111.441	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31646	18.924	ug/l	97
13) Acrolein	2.19	56	17503	47.318	ug/l	96
14) Allyl chloride	2.59	41	52945	17.458	ug/l	97
15) Acrylonitrile	2.94	53	120962	105.225	ug/l	99
16) Acetone	2.32	43	115959	91.802	ug/l	99
17) Carbon Disulfide	2.48	76	77964	17.268	ug/l	99
18) Methyl Acetate	2.62	43	61320	23.367	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	134114	21.084	ug/l	99
20) Methylene Chloride	2.70	84	41648	21.405	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	35625	18.642	ug/l	98
22) Diisopropyl ether	3.57	45	130882	21.132	ug/l	99
23) Vinyl Acetate	3.53	43	553037	101.787	ug/l	100
24) 1,1-Dichloroethane	3.45	63	73672	21.091	ug/l	99
25) 2-Butanone	4.26	43	173948	97.915	ug/l	98
26) 2,2-Dichloropropane	4.23	77	51368	15.295	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	43611	19.723	ug/l	100
28) Bromochloromethane	4.55	49	35999	21.343	ug/l	99
29) Tetrahydrofuran	4.64	42	109983	103.214	ug/l	98
30) Chloroform	4.68	83	79523	21.498	ug/l	98
31) Cyclohexane	5.00	56	61623	19.496	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	69250	20.657	ug/l	99
36) 1,1-Dichloropropene	5.14	75	53243	19.034	ug/l	99
37) Ethyl Acetate	4.38	43	62769	20.121	ug/l	98
38) Carbon Tetrachloride	5.14	117	59442	19.743	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	60871	17.446	ug/l	96
40) Benzene	5.39	78	157145	19.494	ug/l	99
41) Methacrylonitrile	4.55	41	36544	21.128	ug/l	98
42) 1,2-Dichloroethane	5.41	62	66437	20.733	ug/l	100
43) Isopropyl Acetate	5.55	43	104155	20.849	ug/l	100
44) Trichloroethene	6.19	130	43210	18.668	ug/l	100
45) 1,2-Dichloropropane	6.44	63	43616	20.657	ug/l	98
46) Dibromomethane	6.56	93	31479	20.487	ug/l	96
47) Bromodichloromethane	6.76	83	58284	20.419	ug/l	97
48) Methyl methacrylate	6.63	41	51542	20.695	ug/l	99
49) 1,4-Dioxane	6.62	88	25152	419.709	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	332780	102.487	ug/l	100
52) Toluene	7.64	92	100091	19.516	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	58468	18.643	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	62845	18.828	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43622	20.423	ug/l	97
56) Ethyl methacrylate	8.02	69	66619	19.969	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73239	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	123758	83.233	ug/l	99
59) 2-Hexanone	8.36	43	259960	98.703	ug/l	100
60) Dibromochloromethane	8.48	129	44917	19.472	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46077	20.161	ug/l	99
64) Tetrachloroethene	8.23	164	42287	19.995	ug/l	98
65) Chlorobenzene	9.12	112	115156	19.869	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	43652	21.055	ug/l	100
67) Ethyl Benzene	9.25	91	196246	19.861	ug/l	98
68) m/p-Xylenes	9.38	106	153055	40.065	ug/l	99
69) o-Xylene	9.78	106	76851	20.094	ug/l	97
70) Styrene	9.80	104	122512	20.166	ug/l	99
71) Bromoform	9.96	173	34362	20.163	ug/l #	99
73) Isopropylbenzene	10.17	105	206867	20.606	ug/l	99
74) N-amyl acetate	10.01	43	86203	21.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	69481	21.155	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	63676m	23.947	ug/l	
77) Bromobenzene	10.45	156	52774	20.548	ug/l	98
78) n-propylbenzene	10.59	91	224188	20.125	ug/l	100
79) 2-Chlorotoluene	10.66	91	139421	21.879	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	174069	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17960m	17.158	ug/l	
82) 4-Chlorotoluene	10.78	91	156650	19.859	ug/l	99
83) tert-Butylbenzene	11.10	119	174284	20.417	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	175245	20.242	ug/l	99
85) sec-Butylbenzene	11.33	105	205347	20.431	ug/l	99
86) p-Isopropyltoluene	11.48	119	178111	20.014	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	92170	19.637	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	92990	21.167	ug/l	99
89) n-Butylbenzene	11.89	91	135832	18.567	ug/l	98
90) Hexachloroethane	12.15	117	29387	19.501	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96377	20.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16090	20.199	ug/l	96

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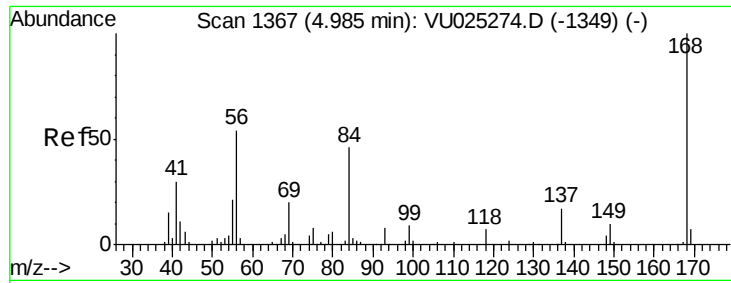
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	54581	19.349	ug/l	98
94) Hexachlorobutadiene	13.70	225	31734	18.718	ug/l	98
95) Naphthalene	13.74	128	185214	20.686	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59895	20.174	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion:168 Resp: 164974

Ion Ratio Lower Upper

168 100

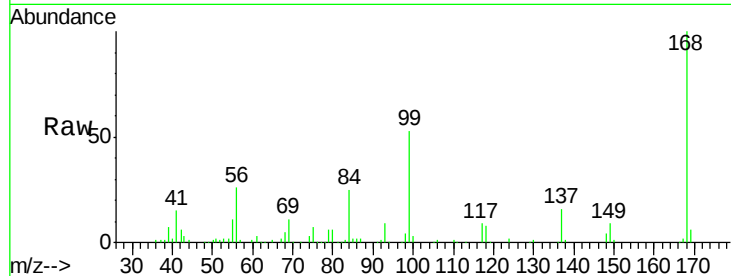
99 52.9 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

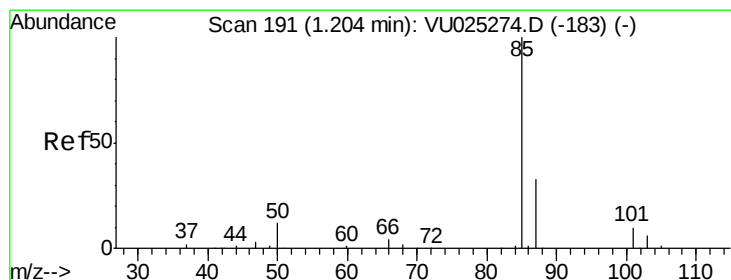
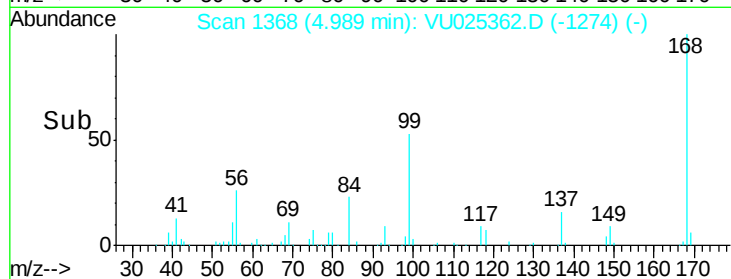
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.410 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025362.D

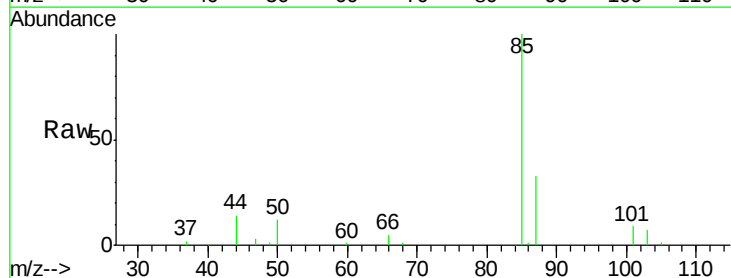
Acq: 13 Jul 2018 01:13

Tgt Ion: 85 Resp: 31431

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

30000

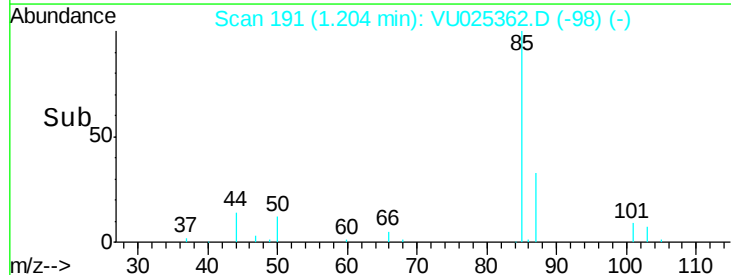
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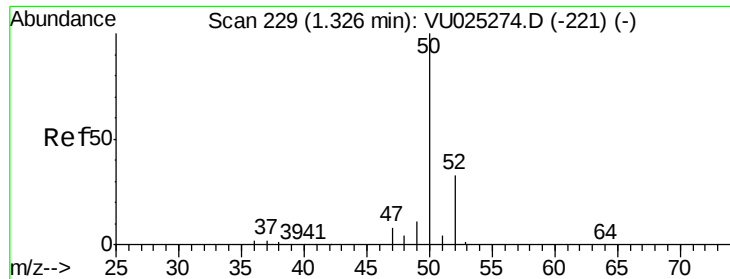
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.282 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 50 Resp: 32205

Ion Ratio Lower Upper

50 100

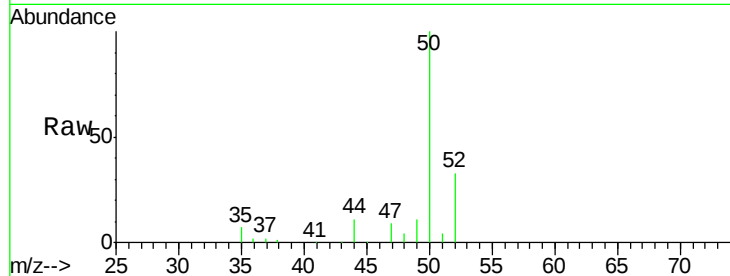
52 33.0 26.5 39.7

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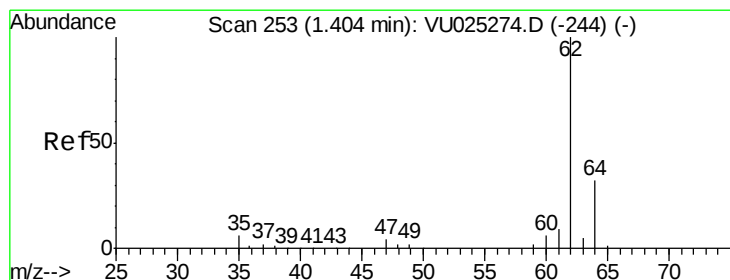
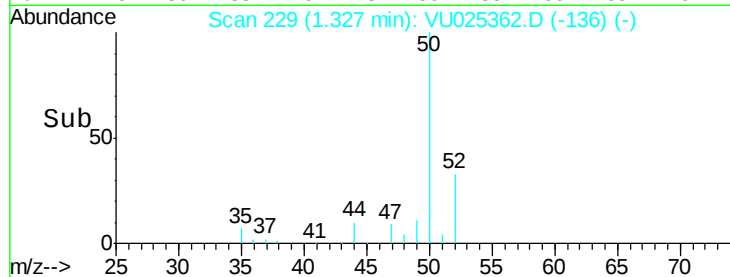
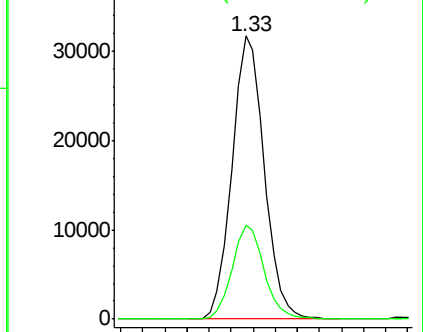
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.351 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025362.D

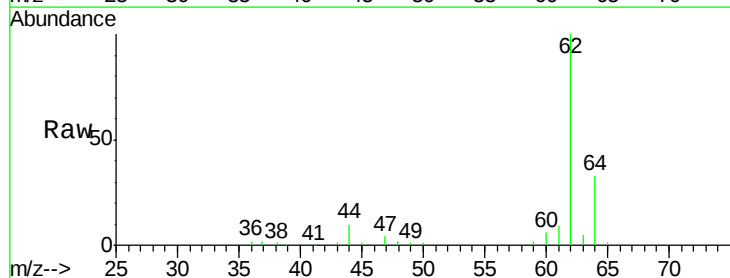
Acq: 13 Jul 2018 01:13

Tgt Ion: 62 Resp: 34429

Ion Ratio Lower Upper

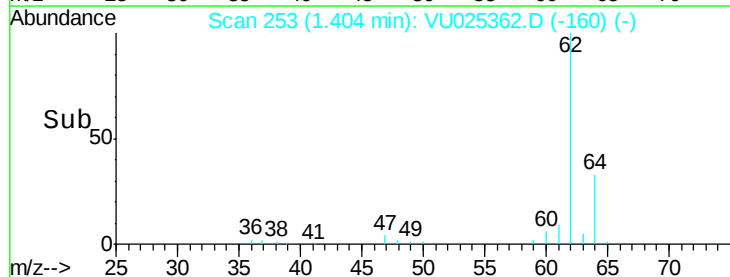
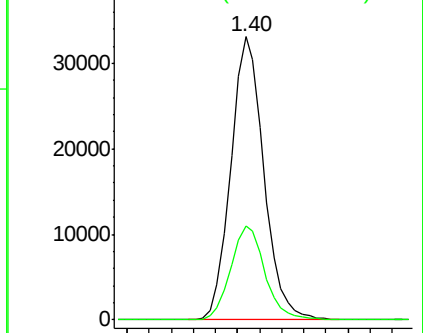
62 100

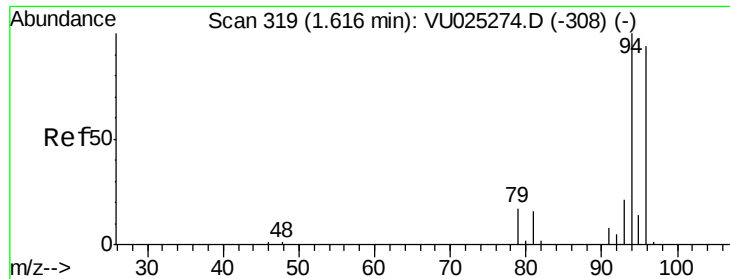
64 33.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.444 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 94 Resp: 22606

Ion Ratio Lower Upper

94 100

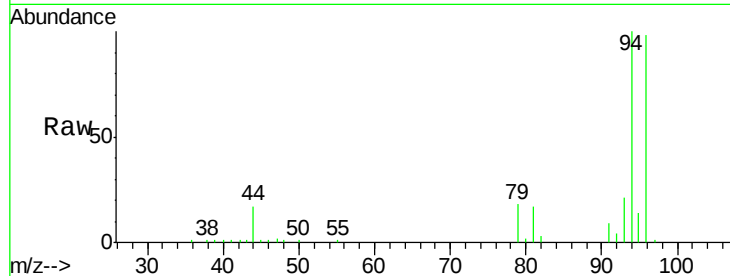
96 98.0 75.0 112.4

Manual Integrations

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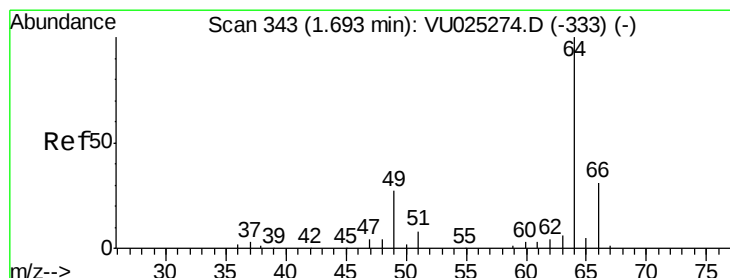
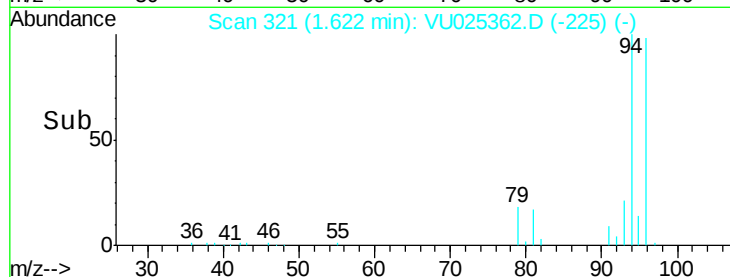
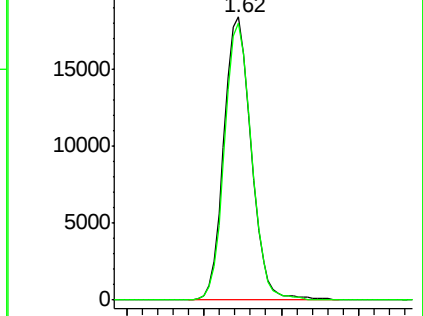
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.177 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025362.D

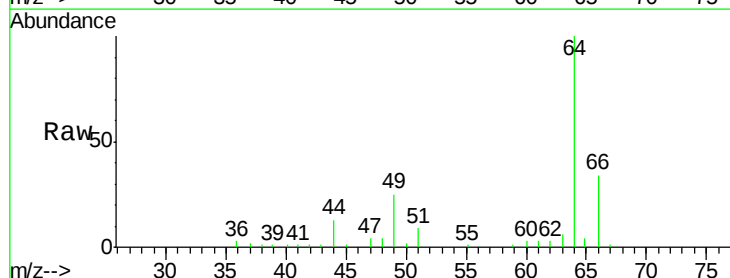
Acq: 13 Jul 2018 01:13

Tgt Ion: 64 Resp: 23866

Ion Ratio Lower Upper

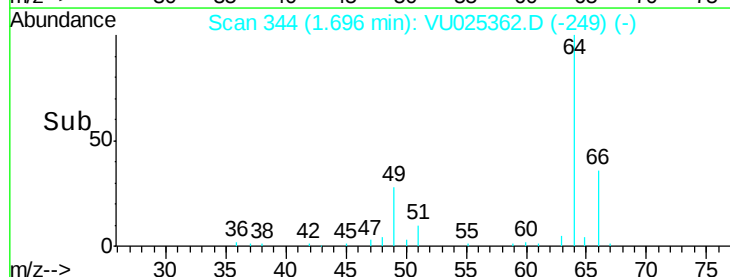
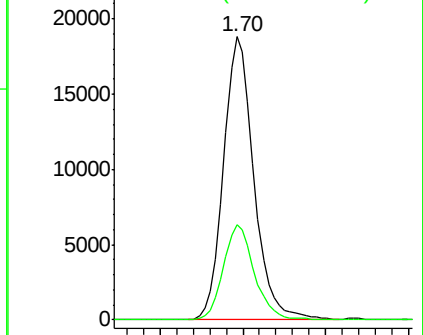
64 100

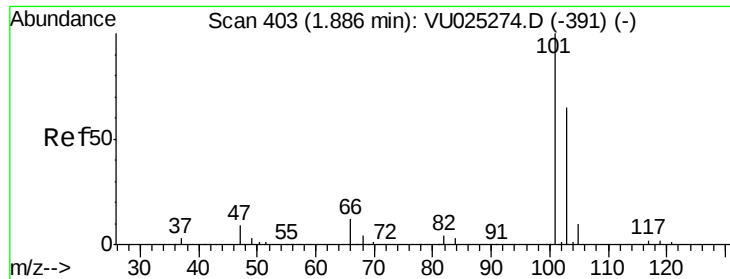
66 33.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

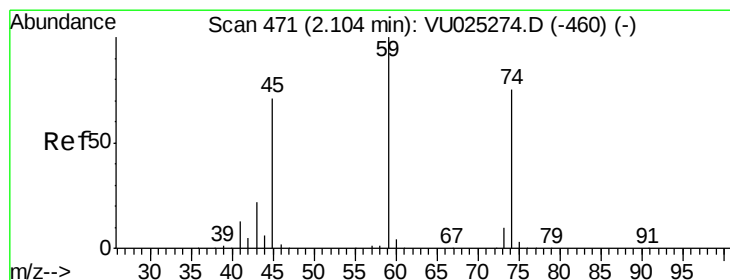
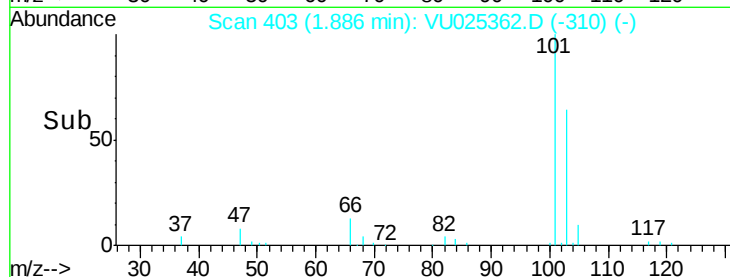
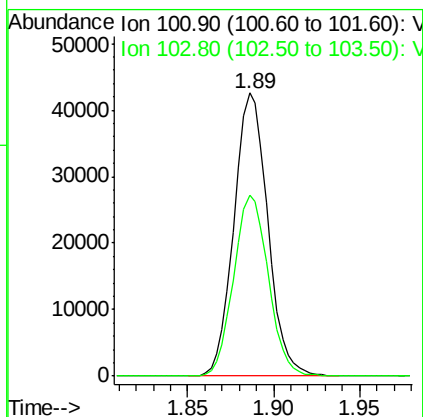
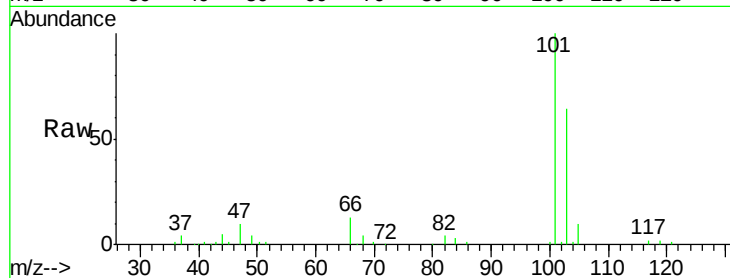
Trichlorofluoromethane
Concen: 19.740 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.2

Manual Integrations
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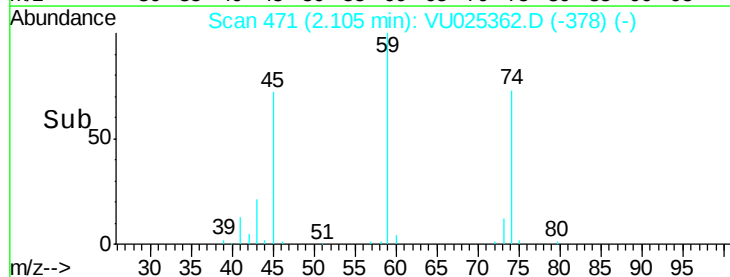
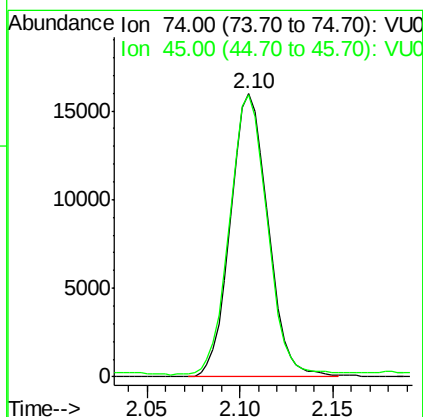
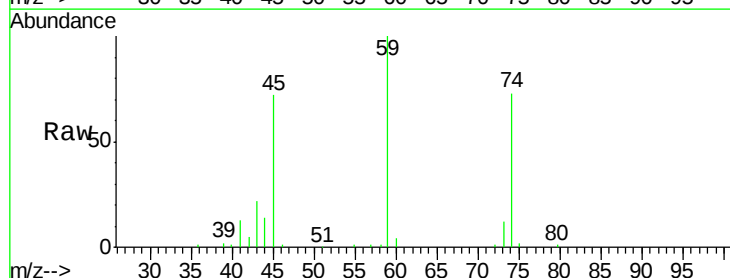
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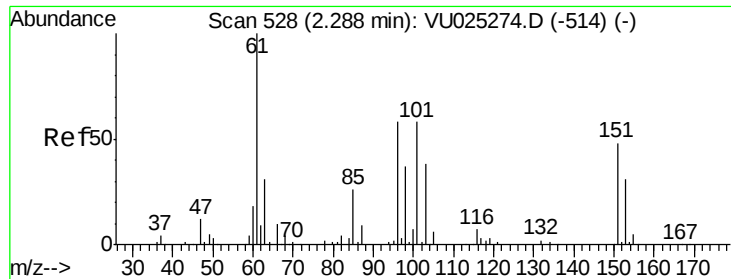


#8

Diethyl Ether
Concen: 20.372 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.031 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

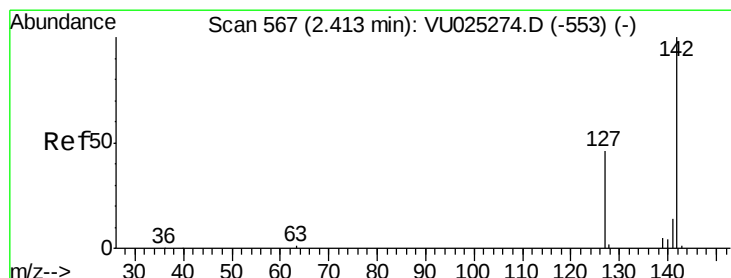
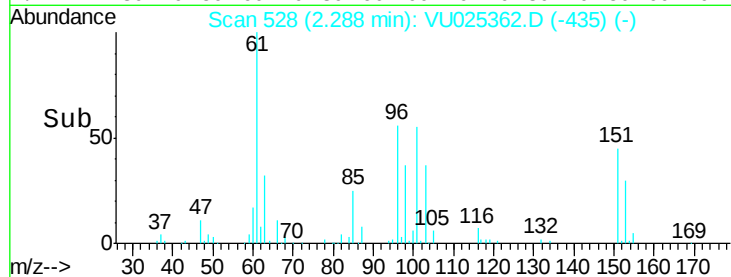
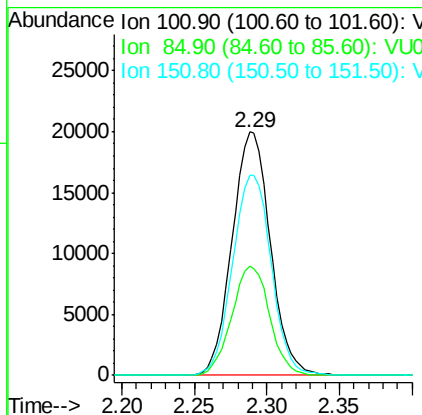
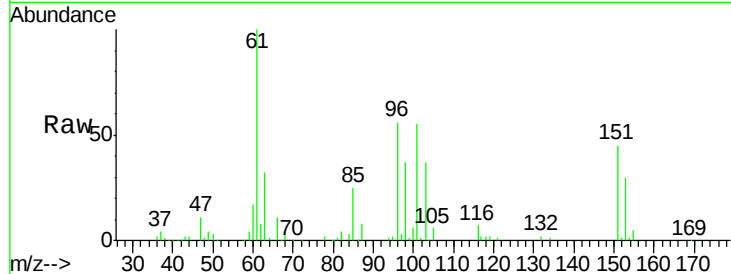
ClientSampleId :

VU0712WBSD03

Tot Ion:	101	Resp:	36602
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	83.2	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 24.389 ug/l

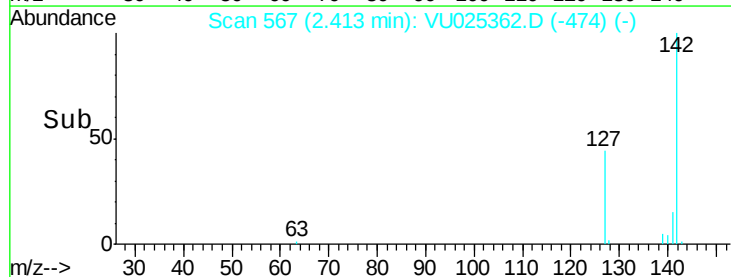
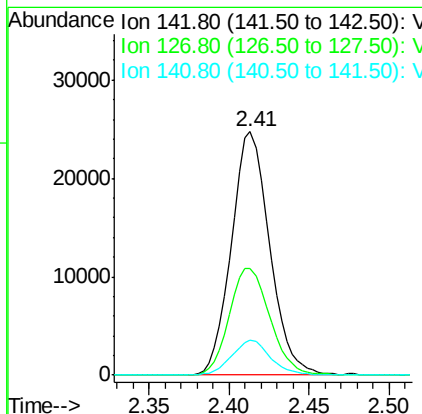
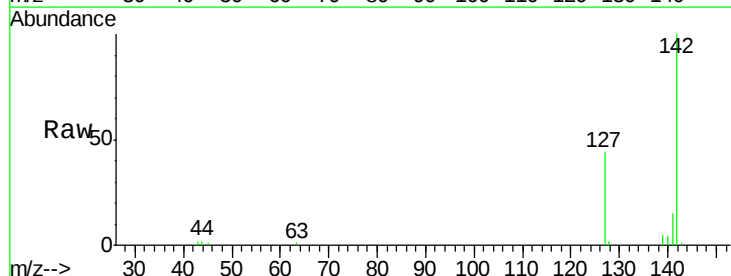
RT: 2.41 min Scan# 567

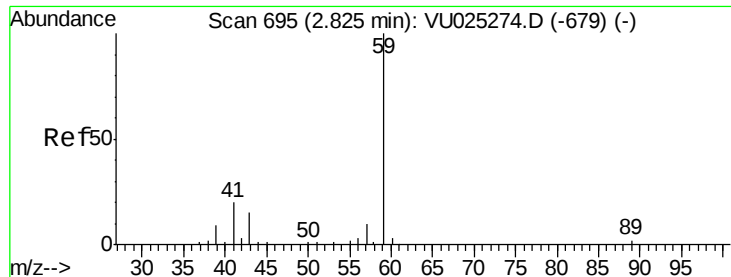
Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	142	Resp:	40339
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.5	54.7
141	14.4	11.4	17.2





#11

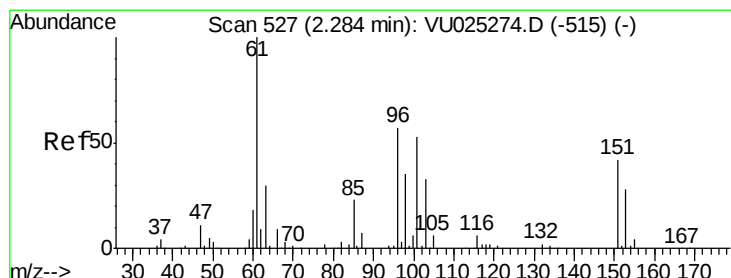
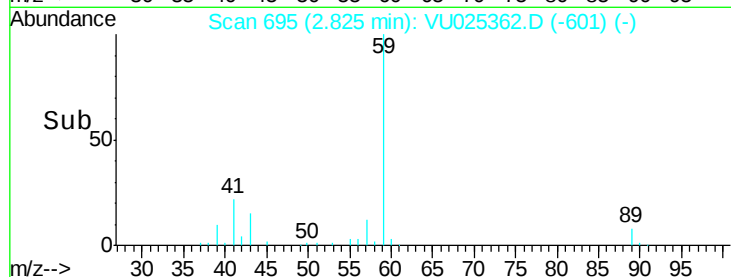
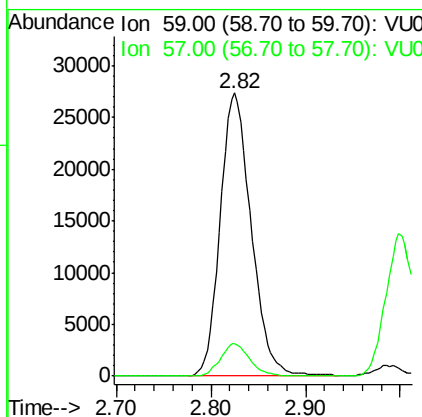
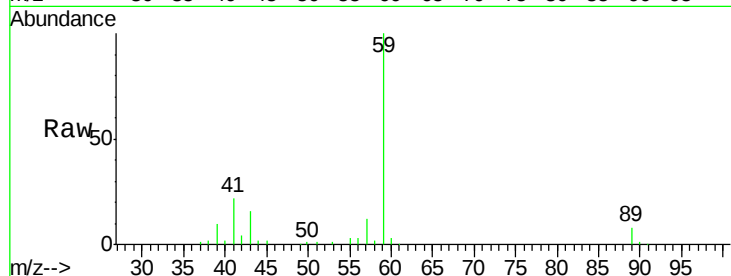
Tert butyl alcohol
 Concen: 111.441 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
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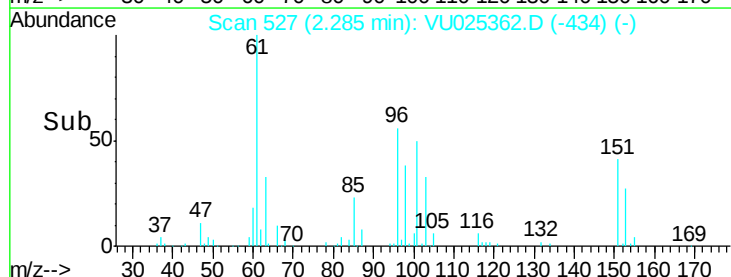
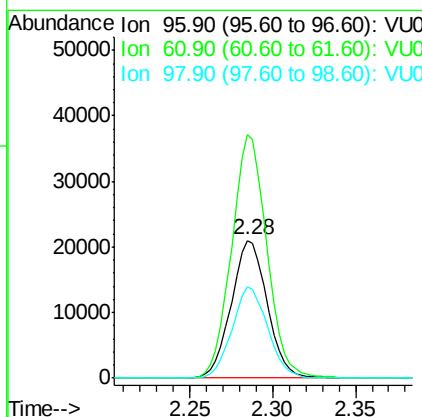
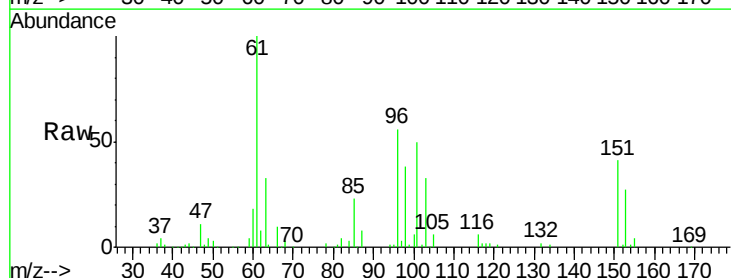
MMDadoda
 7/13/2018 11:44:21 AM

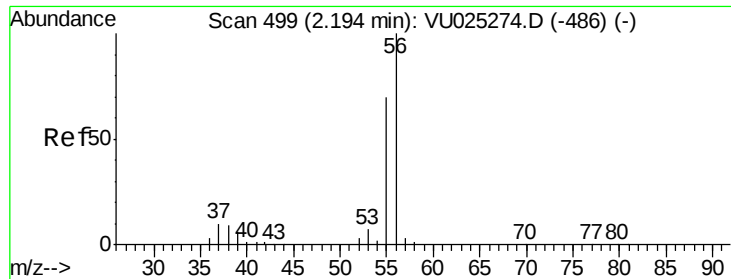


#12

1,1-Dichloroethene
 Concen: 18.924 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.1	140.2	210.4
98	66.5	49.3	73.9





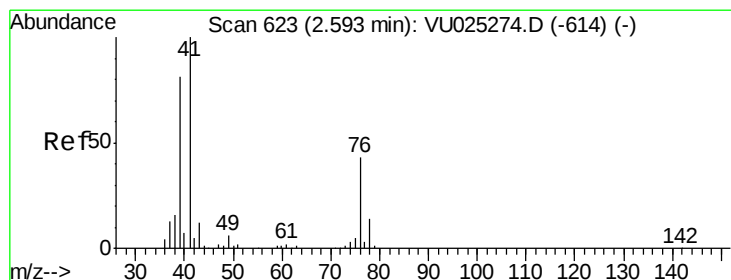
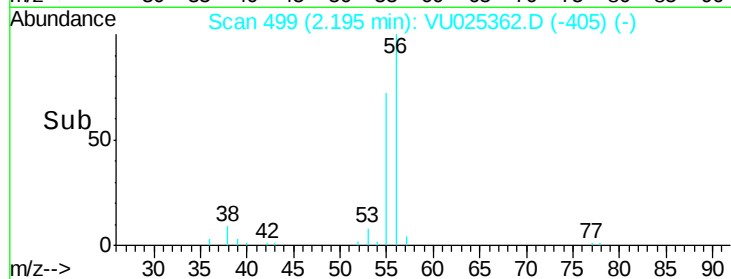
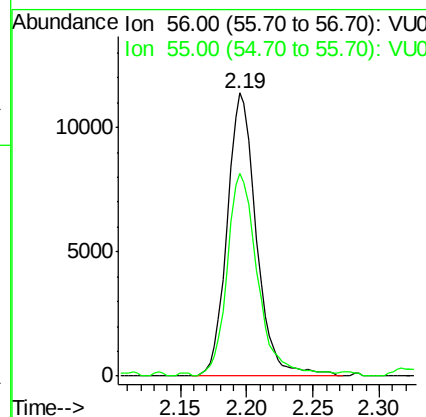
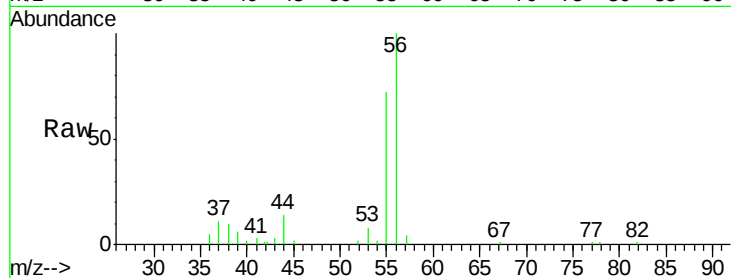
#13
Acrolein
Concen: 47.318 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 56 Resp: 17503
Ion Ratio Lower Upper
56 100
55 75.1 57.2 85.8

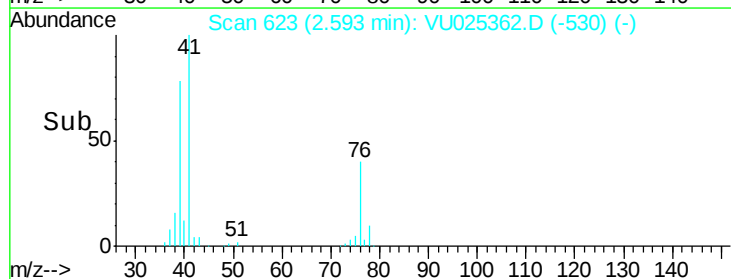
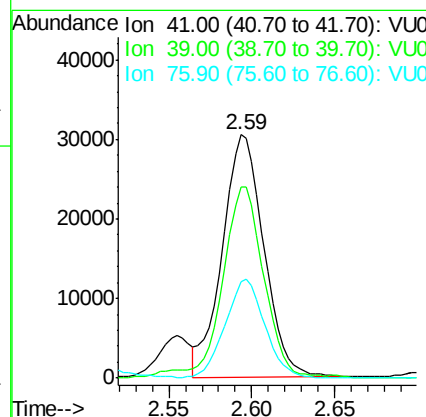
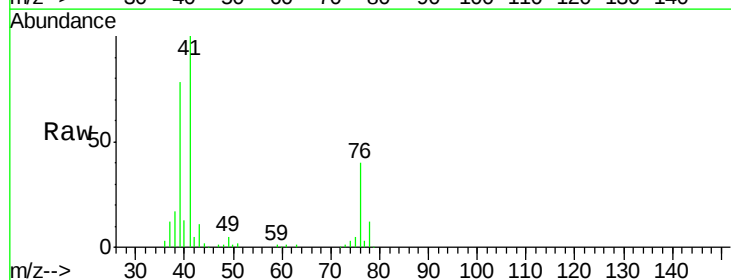
Manual Integrations
APPROVED

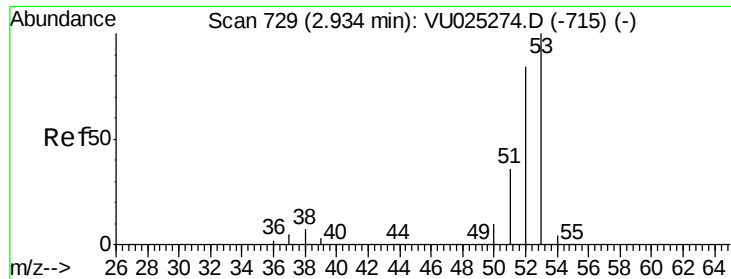
MMDadoda
7/13/2018 11:44:21 AM



#14
Allyl chloride
Concen: 17.458 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 41 Resp: 52945
Ion Ratio Lower Upper
41 100
39 79.4 60.6 91.0
76 39.3 30.5 45.7





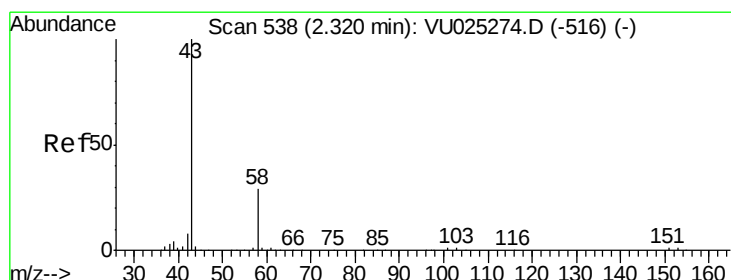
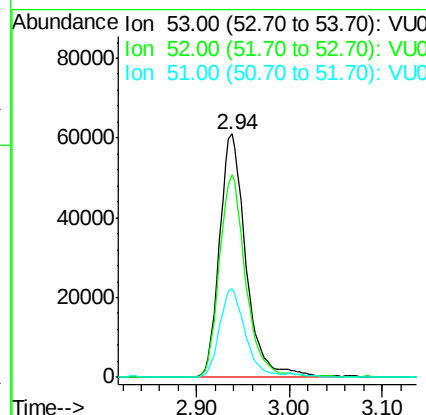
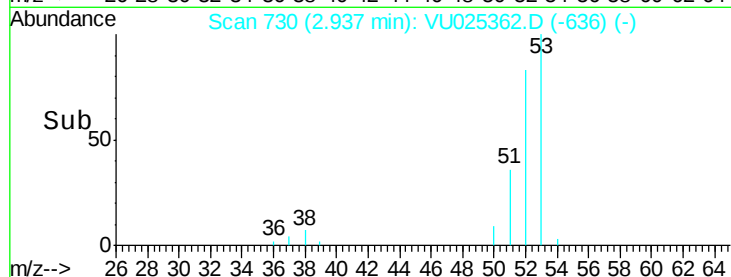
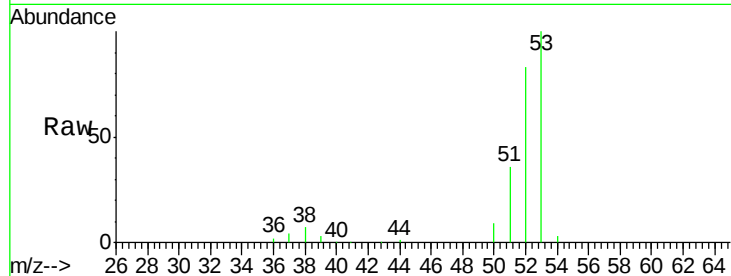
#15
Acrylonitrile
Concen: 105.225 ug/l
RT: 2.94 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	99.8
51	35.3	29.4	44.2

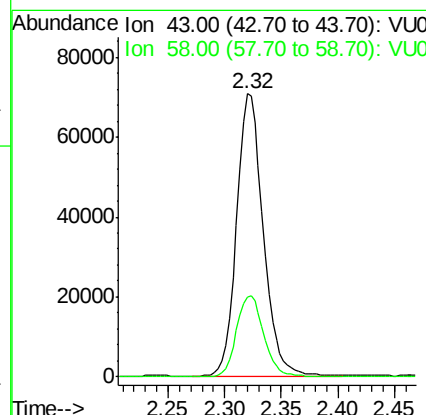
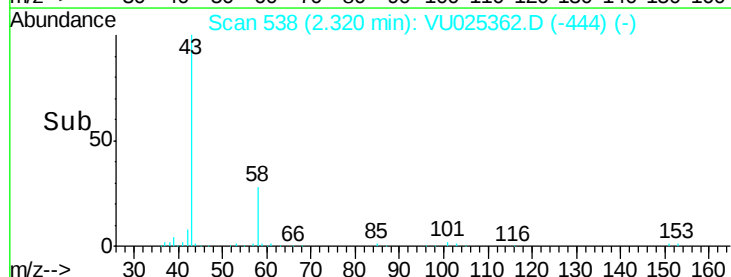
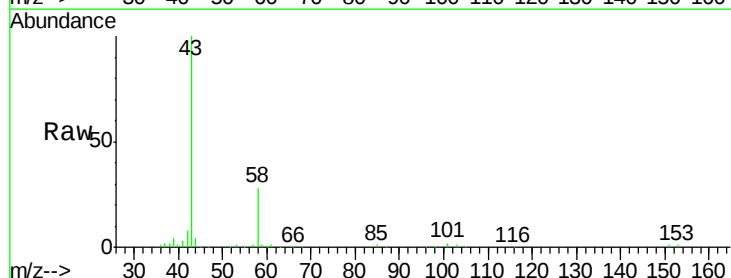
Manual Integrations
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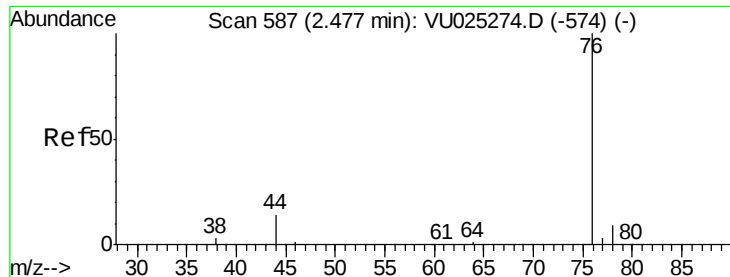
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#16
Acetone
Concen: 91.802 ug/l
RT: 2.32 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.1	34.7





#17

Carbon Disulfide

Concen: 17.268 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 76 Resp: 77964

Ion Ratio Lower Upper

76 100

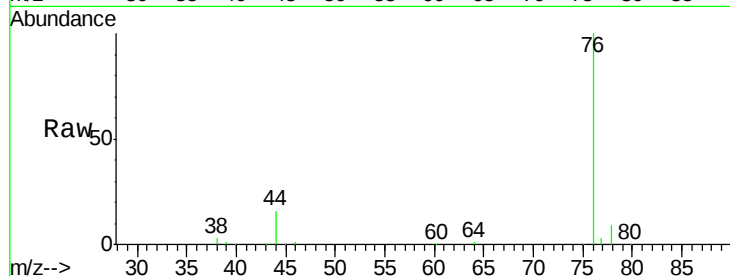
78 9.1 7.4 11.2

Manual Integrations

APPROVED

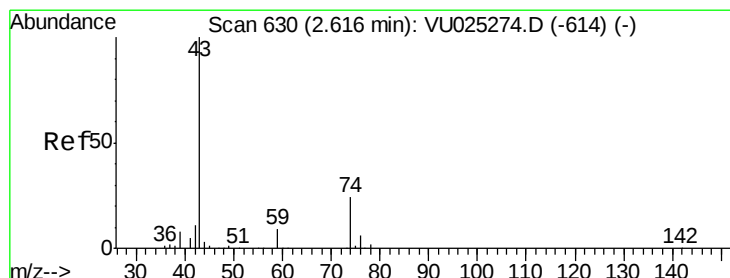
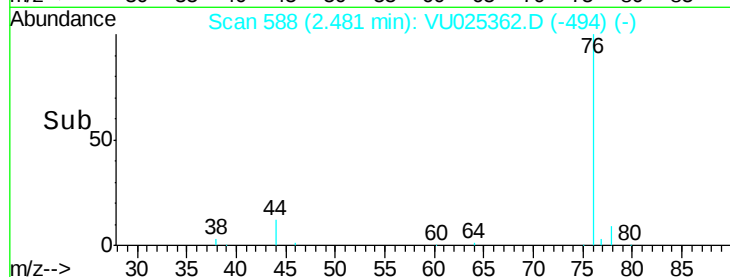
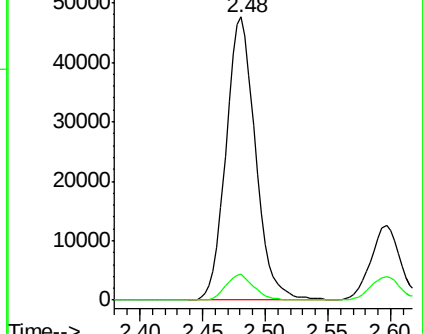
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.367 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025362.D

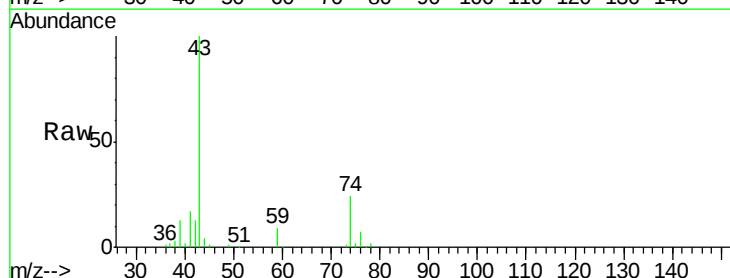
Acq: 13 Jul 2018 01:13

Tgt Ion: 43 Resp: 61320

Ion Ratio Lower Upper

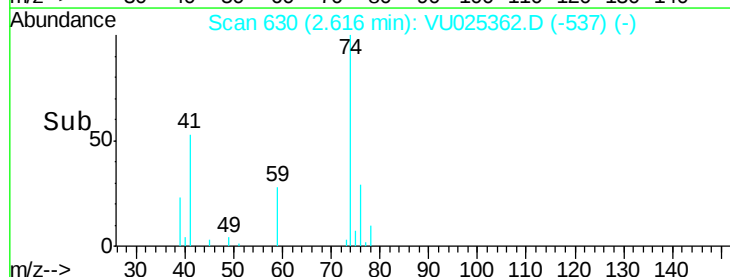
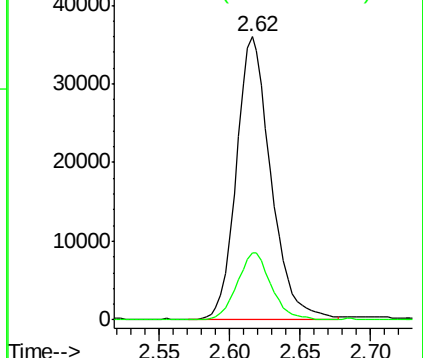
43 100

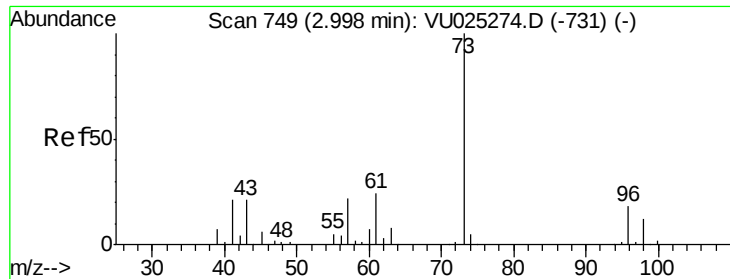
74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





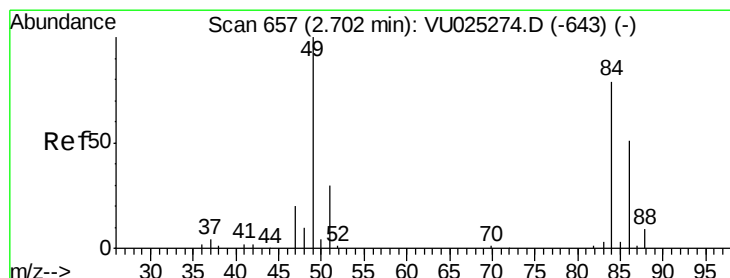
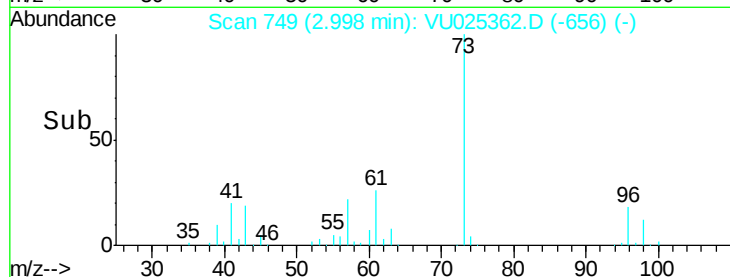
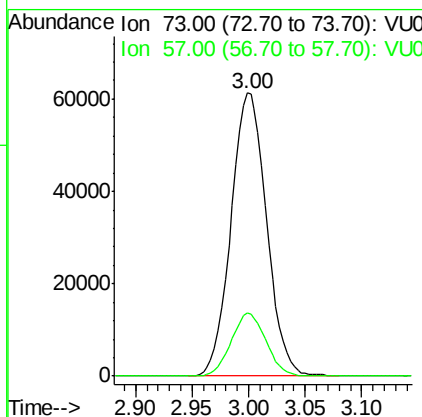
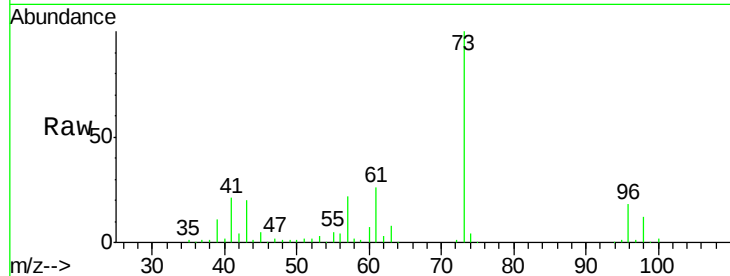
#19
Methvl tert-butvl Ether
Concen: 21.084 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 73 Resp: 134114
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.2

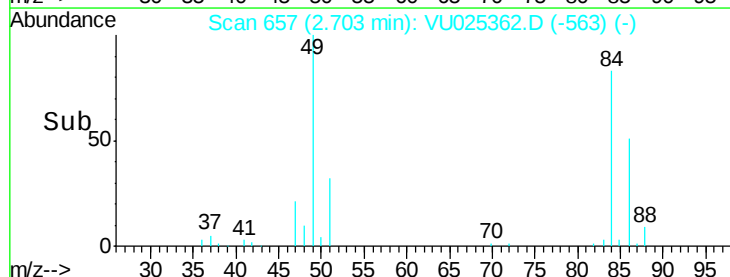
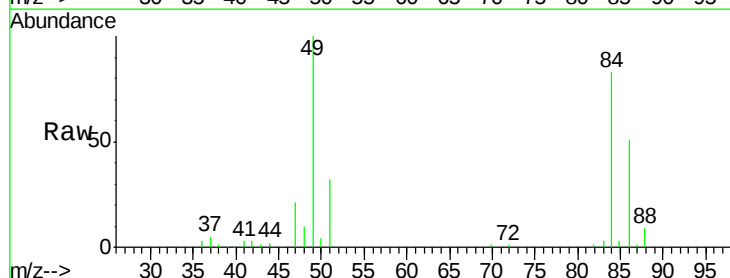
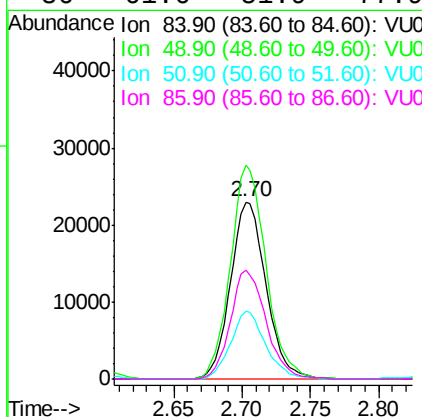
Manual Integrations
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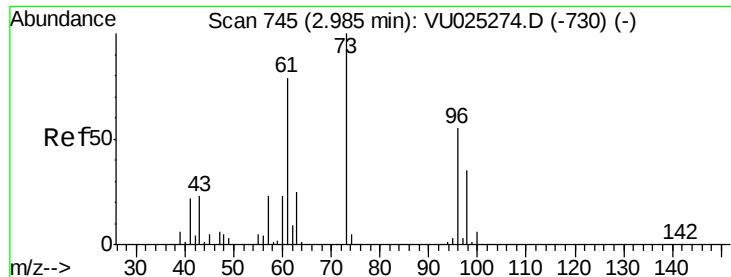
MMDadoda
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#20
Methylene Chloride
Concen: 21.405 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 84 Resp: 41648
Ion Ratio Lower Upper
84 100
49 120.6 101.8 152.6
51 38.3 30.8 46.2
86 61.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.642 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 96 Resp: 35625

Ion Ratio Lower Upper

96 100

61 145.1 114.5 171.7

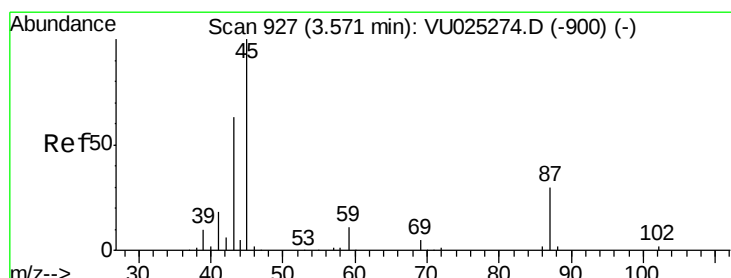
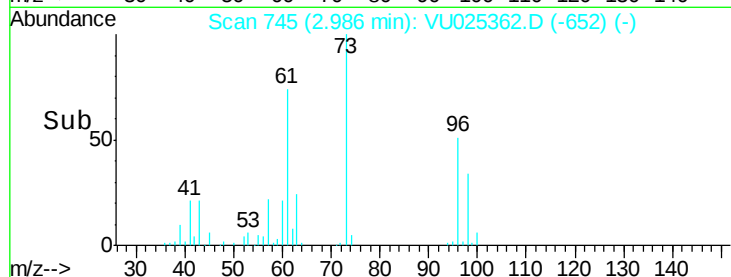
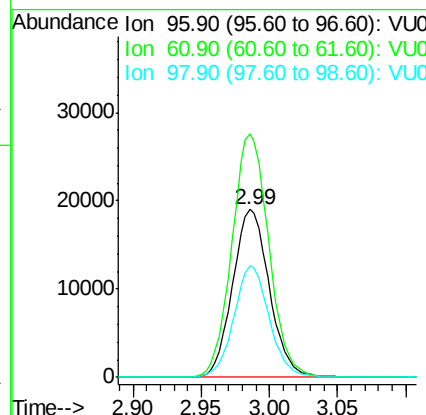
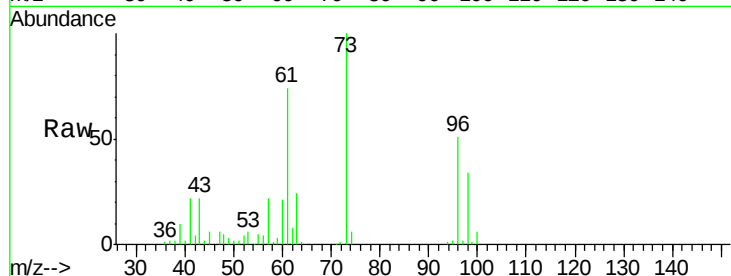
98 66.6 50.5 75.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.132 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion: 45 Resp: 130882

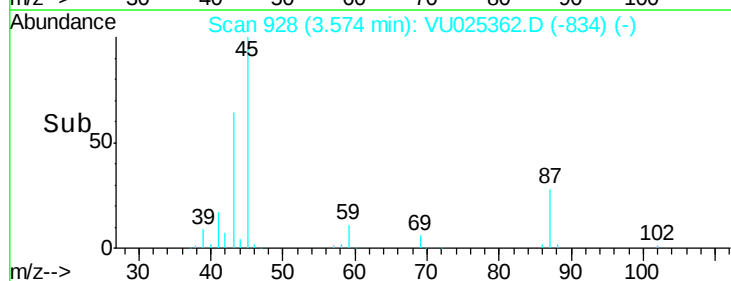
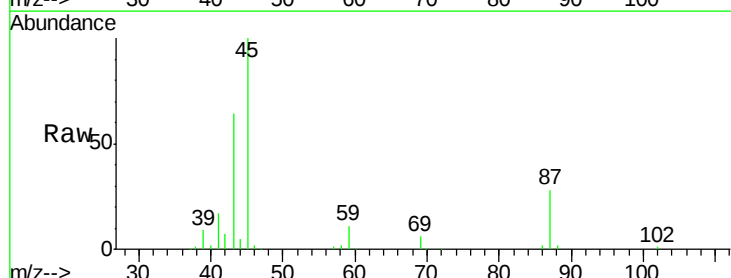
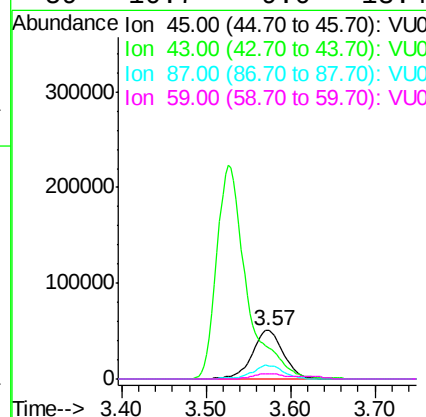
Ion Ratio Lower Upper

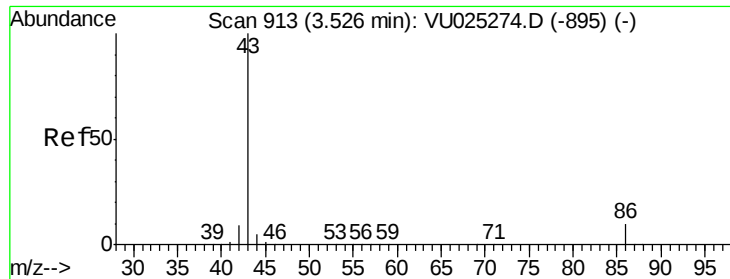
45 100

43 63.4 50.9 76.3

87 27.8 23.8 35.8

59 10.7 9.0 13.4





#23

Vinyl Acetate

Concen: 101.787 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tot Ion: 43 Resp: 553037

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

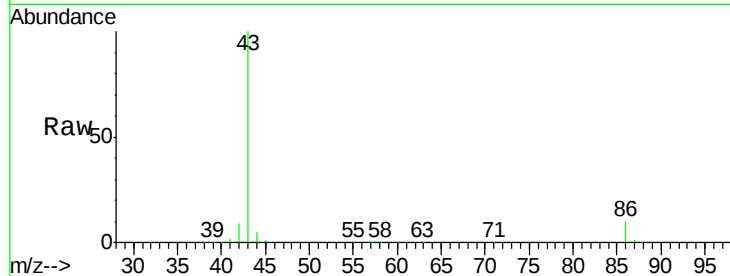
VU0712WBSD03

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

250000

200000

150000

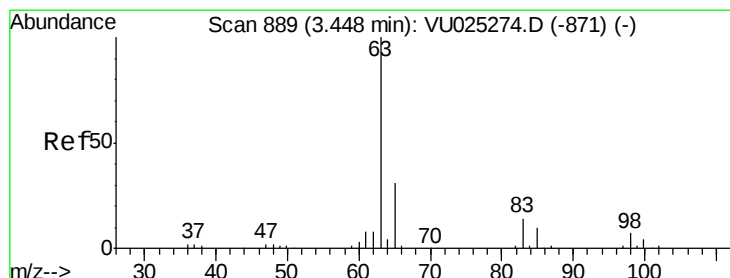
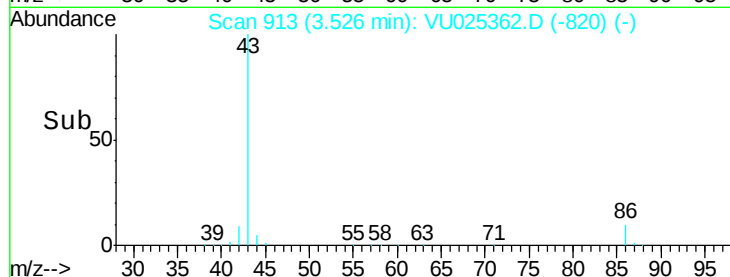
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 21.091 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

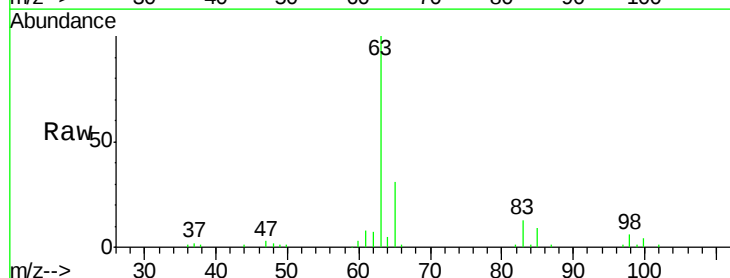
Tgt Ion: 63 Resp: 73672

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

40000

30000

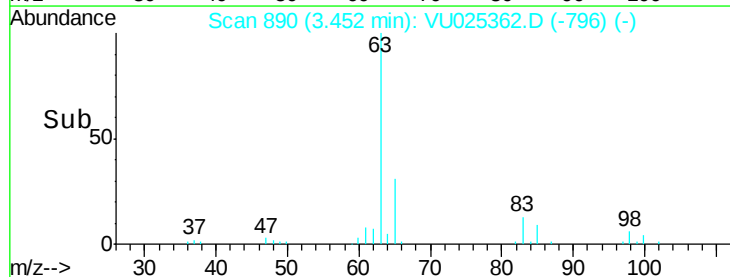
20000

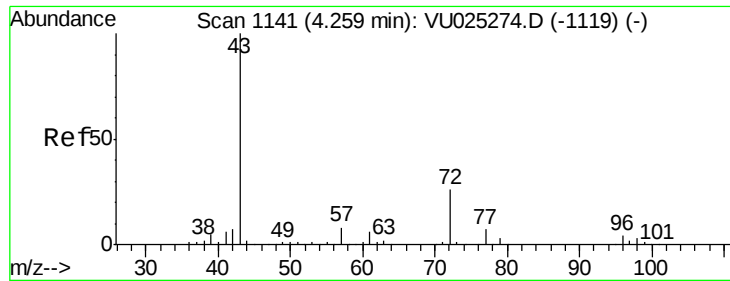
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 97.915 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 43 Resp: 173948

Ion Ratio Lower Upper

43 100

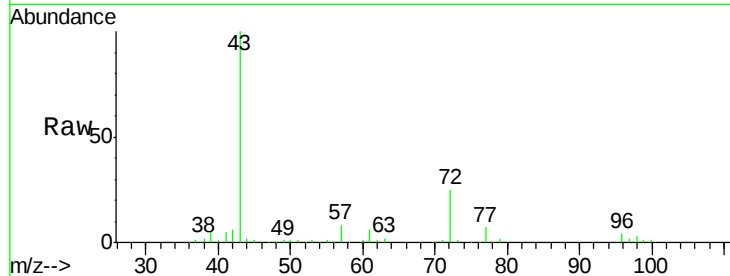
72 25.4 21.0 31.4

Manual Integrations

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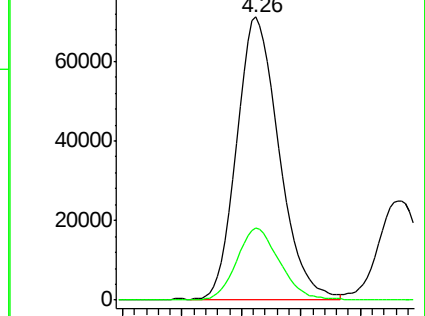
MMDadoda

7/13/2018 11:44:21 AM

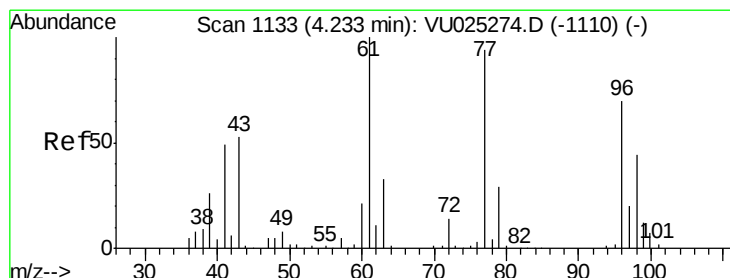
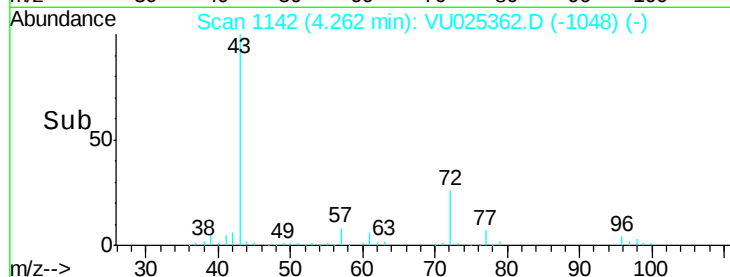


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 15.295 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025362.D

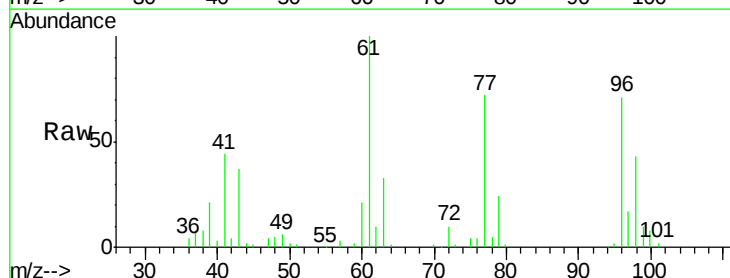
Acq: 13 Jul 2018 01:13

Tgt Ion: 77 Resp: 51368

Ion Ratio Lower Upper

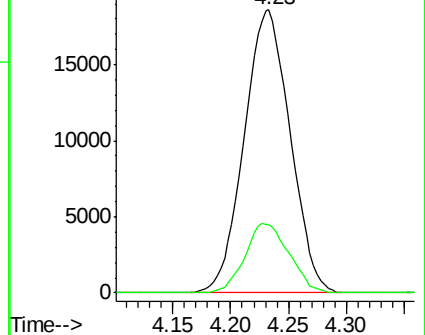
77 100

97 23.4 11.2 33.5

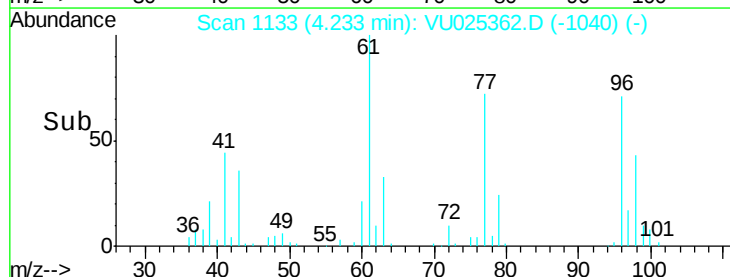


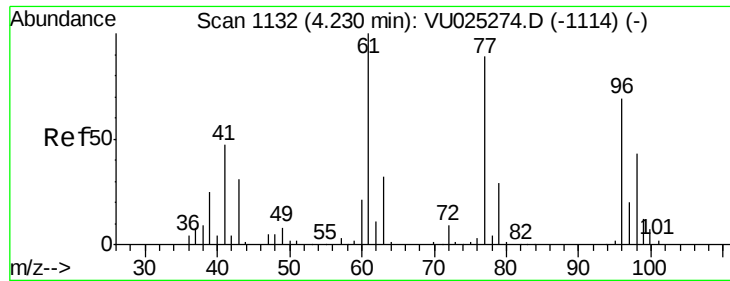
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.723 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

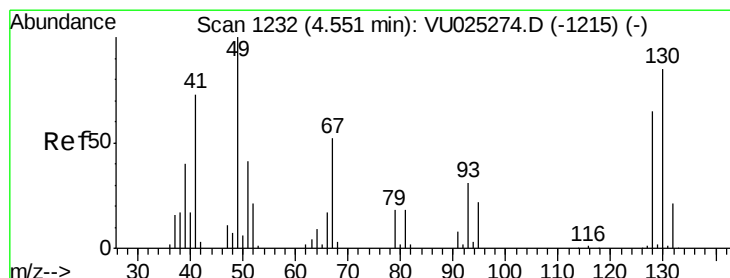
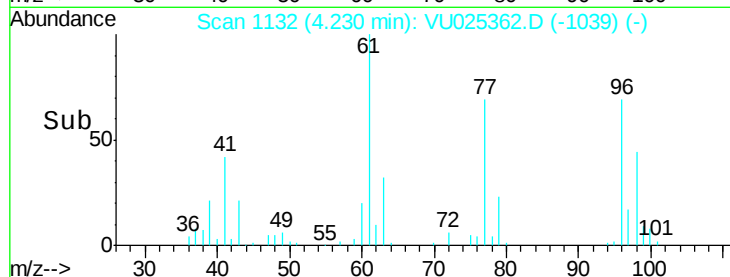
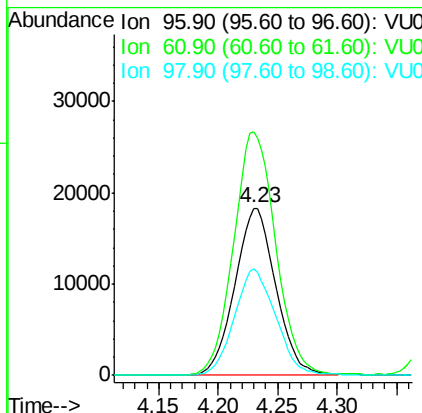
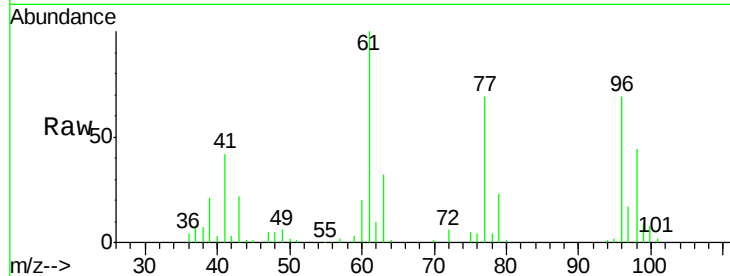
ClientSampleId :

VU0712WBSD03

Tot Ion:	96	Resp:	43611
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	299.8
98	64.2	0.0	128.6

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#28

Bromochloromethane

Concen: 21.343 ug/l

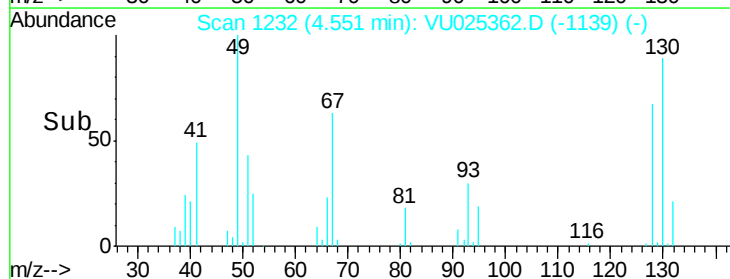
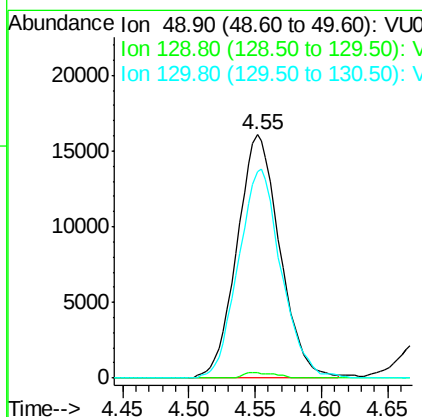
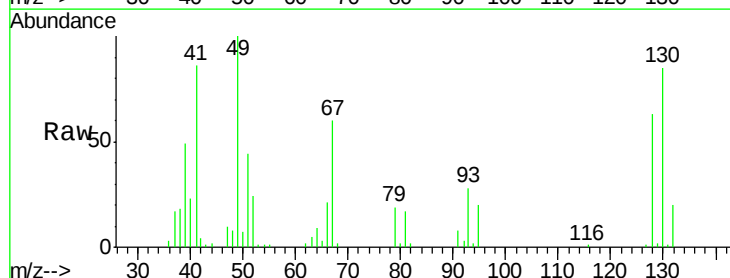
RT: 4.55 min Scan# 1232

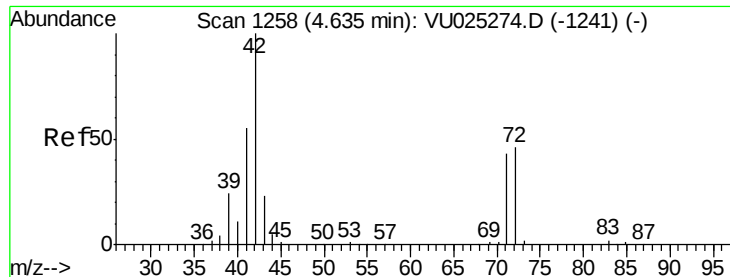
Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	49	Resp:	35999
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	86.2	68.6	102.8





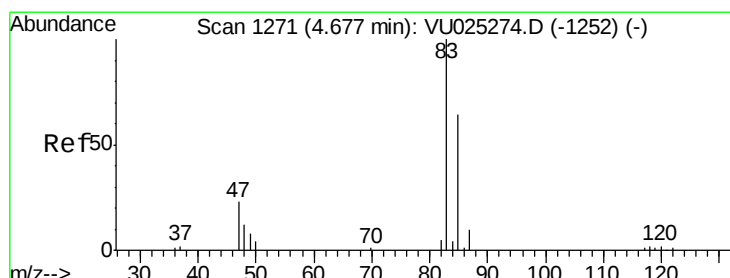
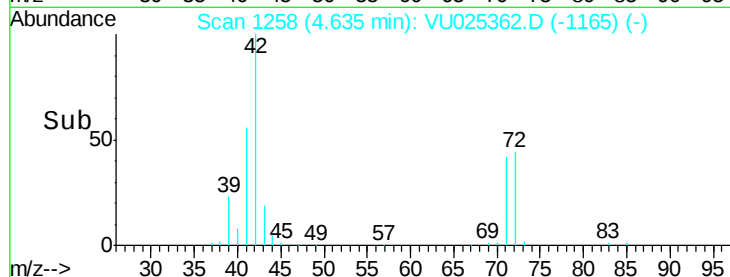
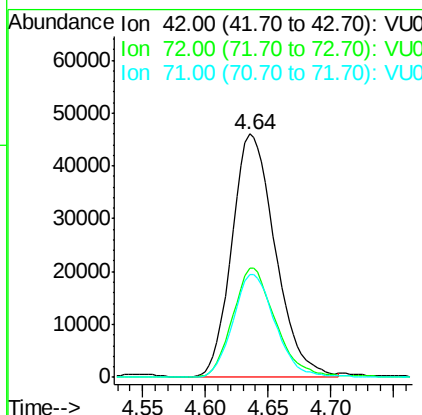
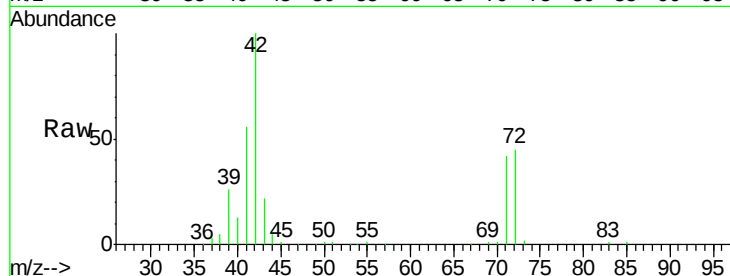
#29
Tetrahydrofuran
Concen: 103.214 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.7	55.1
71	41.6	33.9	50.9

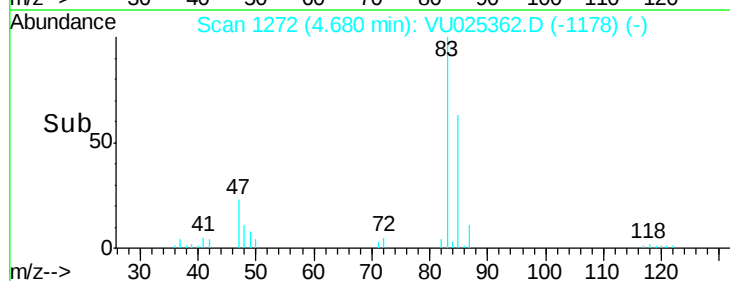
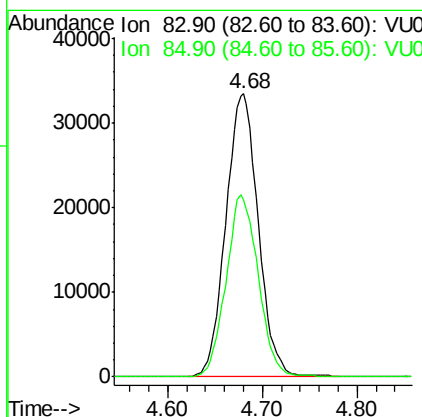
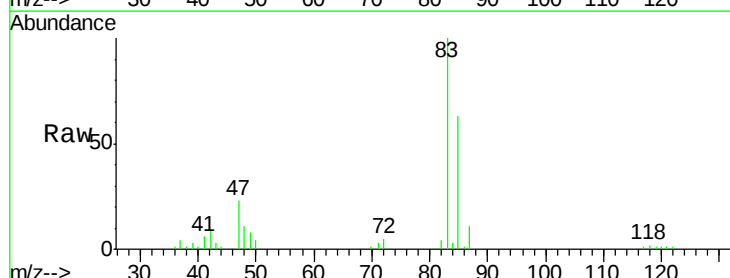
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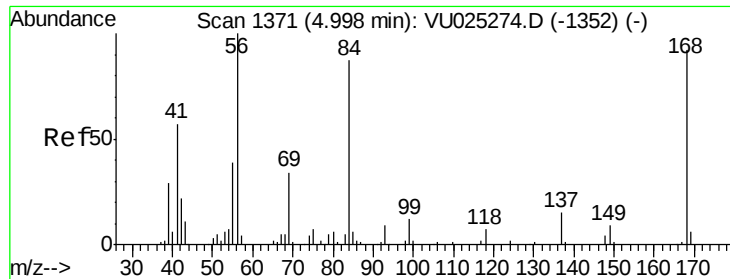
MMDadoda
7/13/2018 11:44:21 AM



#30
Chloroform
Concen: 21.498 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





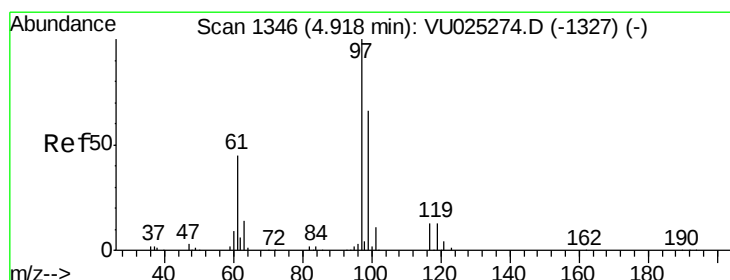
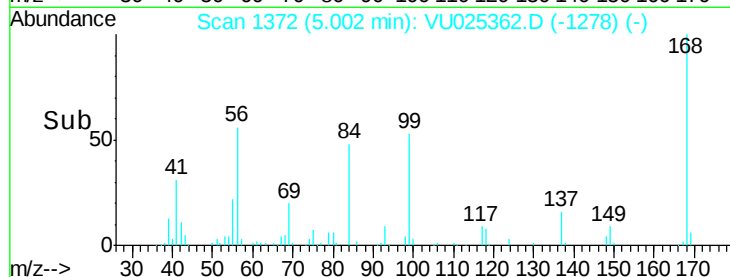
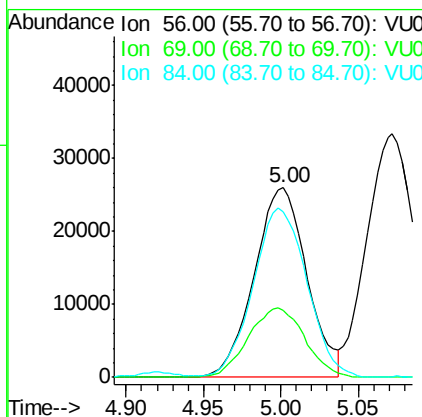
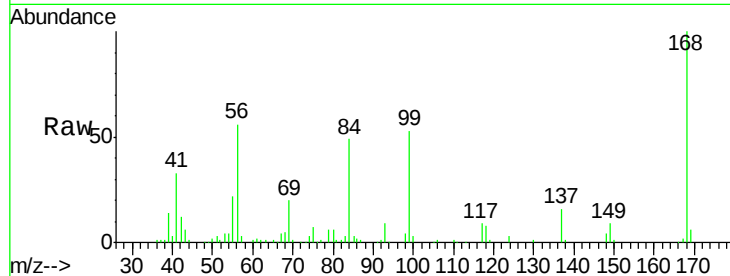
#31
Cyclohexane
Concen: 19.496 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.8	40.2
84	86.5	69.7	104.5

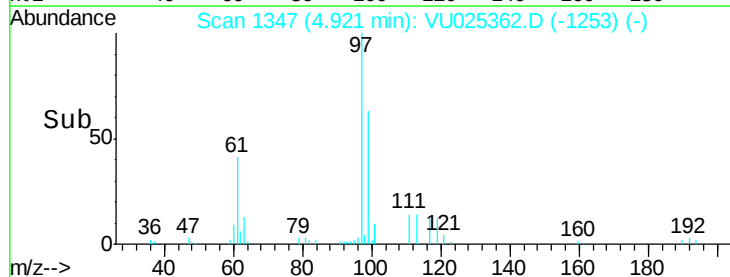
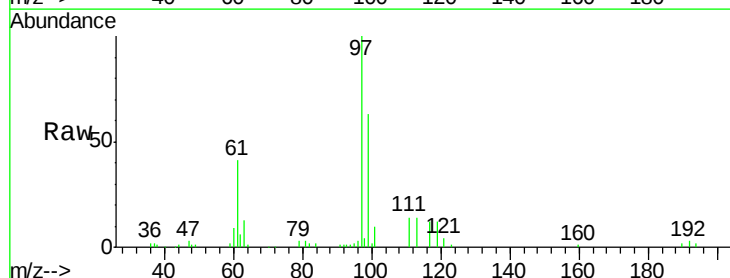
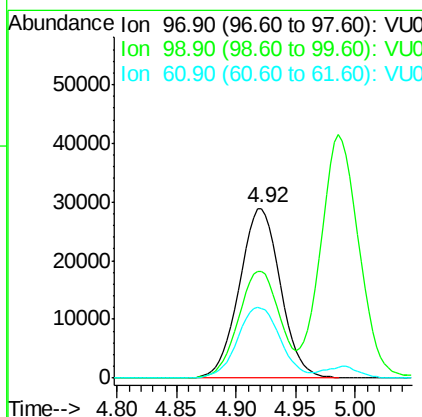
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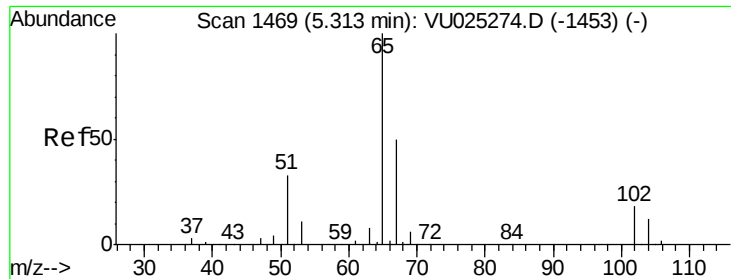
MMDadoda
7/13/2018 11:44:21 AM



#32
1,1,1-Trichloroethane
Concen: 20.657 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	43.0	35.2	52.8





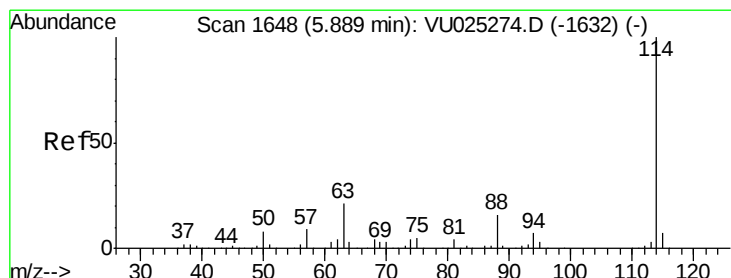
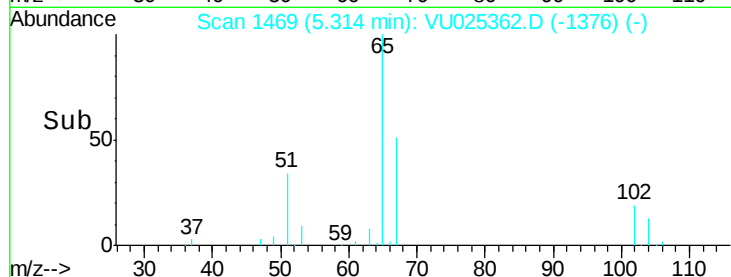
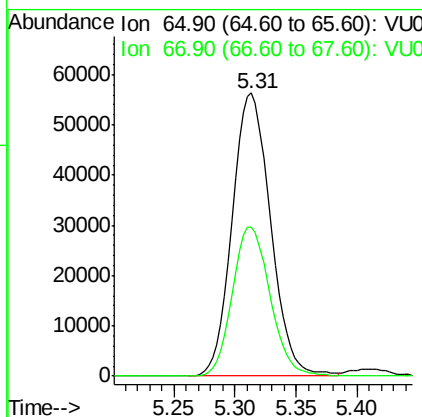
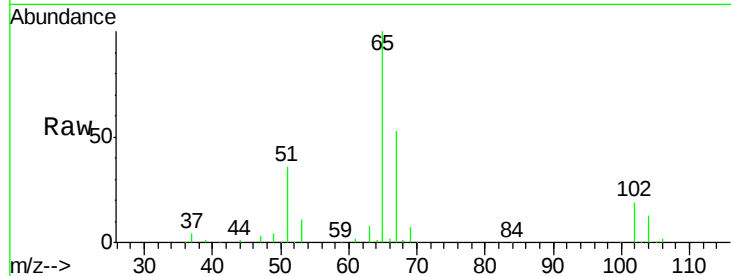
#33
 1,2-Dichloroethane-d4
 Concen: 48.006 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

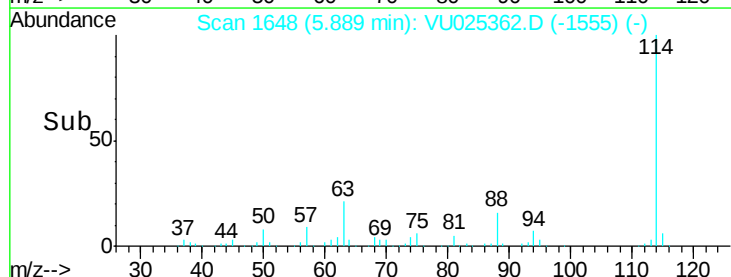
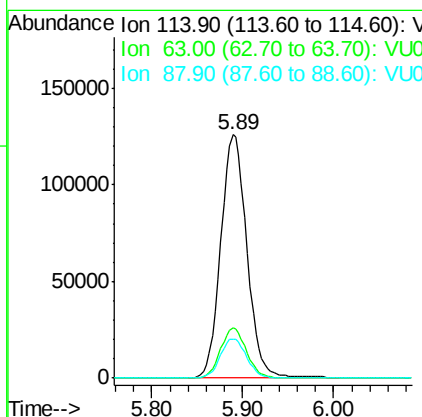
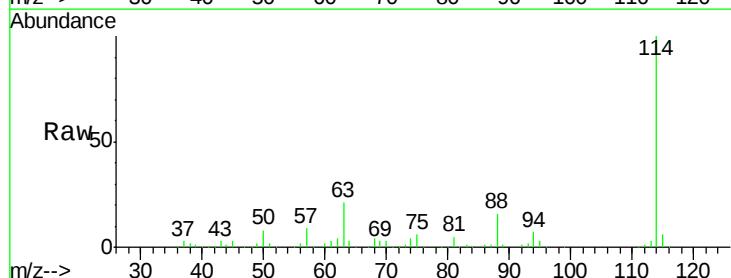
Manual Integrations
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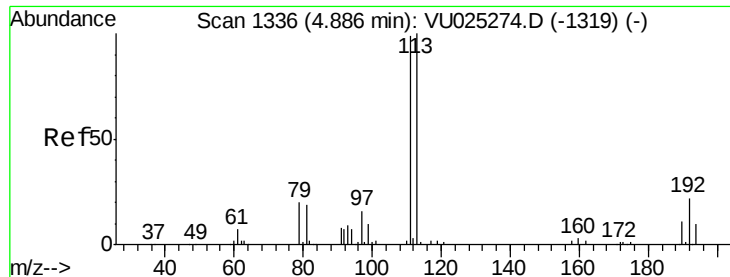
MMDadoda
 7/13/2018 11:44:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.6
88	16.1	0.0	32.4





#35

Dibromofluoromethane

Concen: 47.818 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 113 Resp: 101499

Ion Ratio Lower Upper

113 100

111 100.4 81.7 122.5

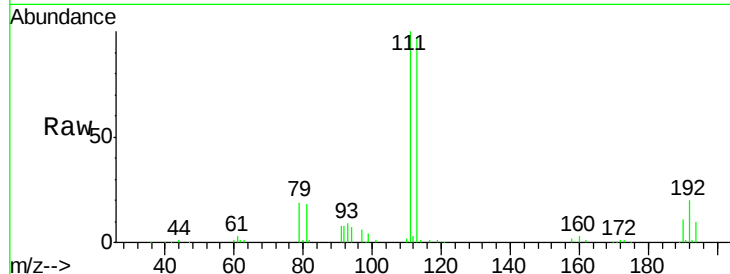
192 21.1 17.1 25.7

Manual Integrations

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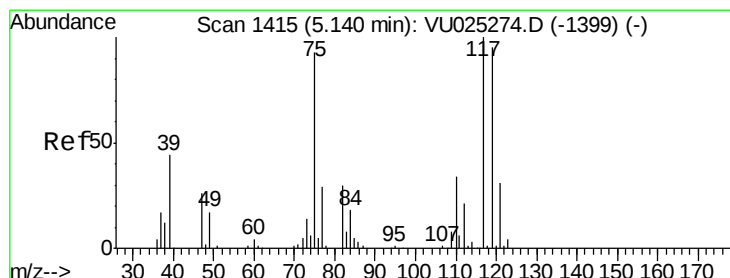
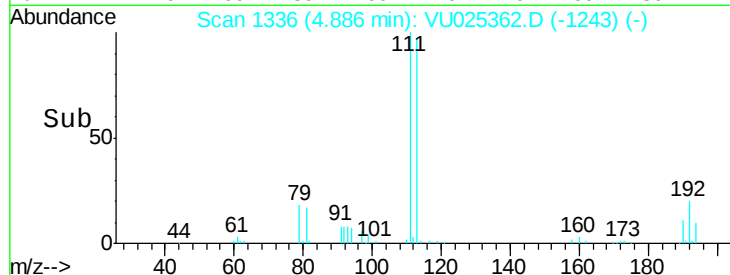
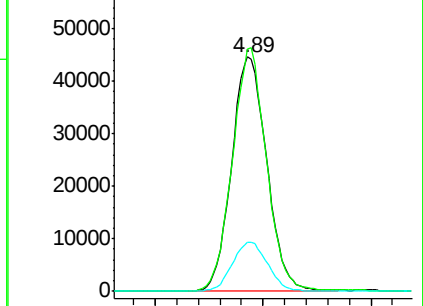
7/13/2018 11:44:21 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.034 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

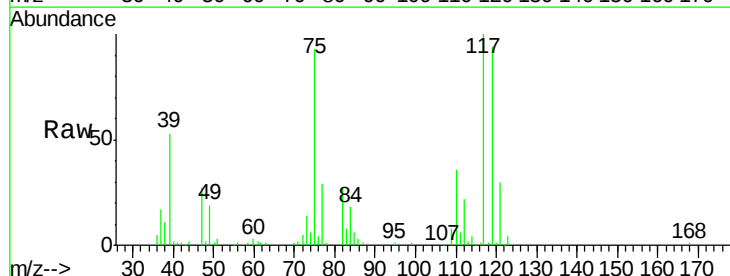
Tgt Ion: 75 Resp: 53243

Ion Ratio Lower Upper

75 100

110 36.3 17.6 52.9

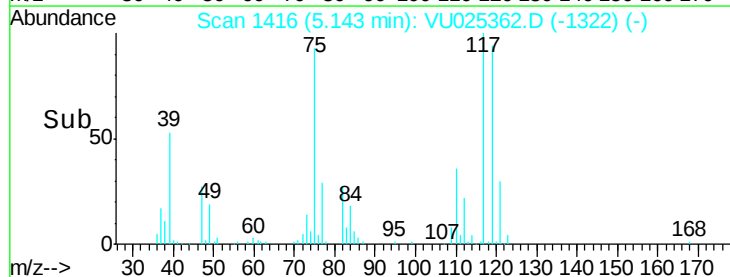
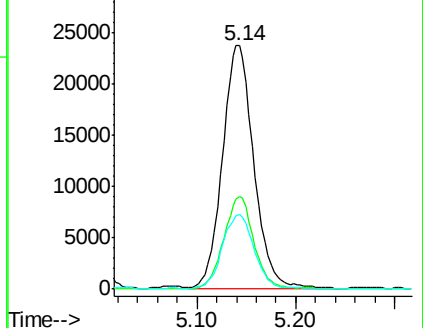
77 30.9 24.4 36.6

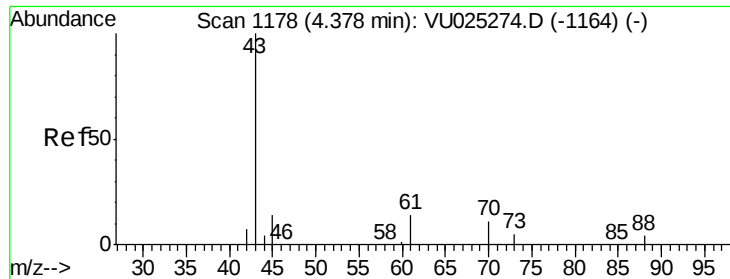


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





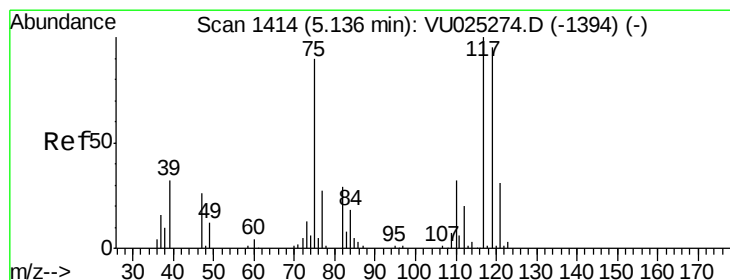
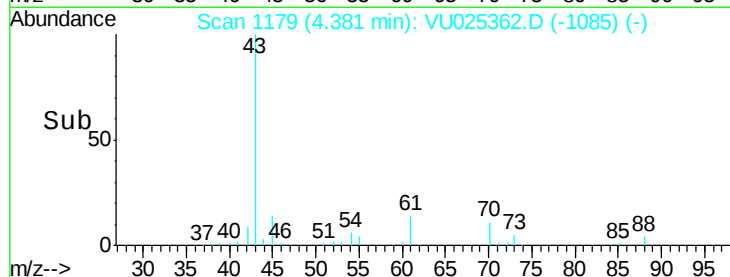
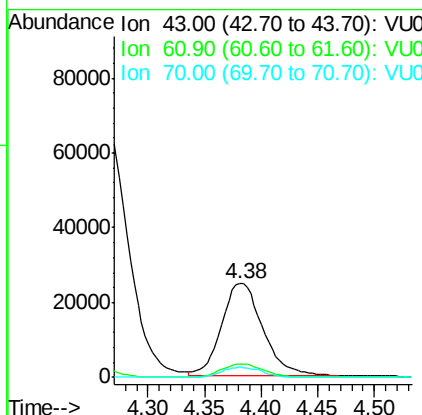
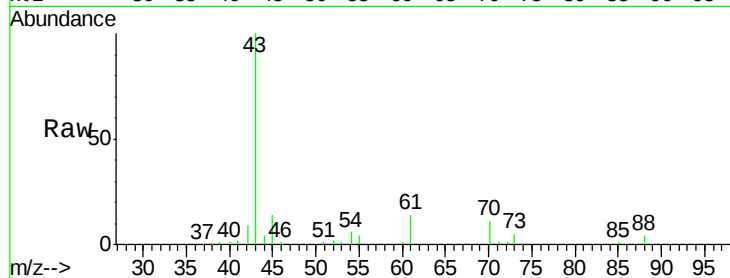
#37
Ethyl Acetate
Concen: 20.121 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	43	61	70
Resp	62769		
Ratio	100	14.4	10.7
Lower		10.7	8.4
Upper		16.1	12.6

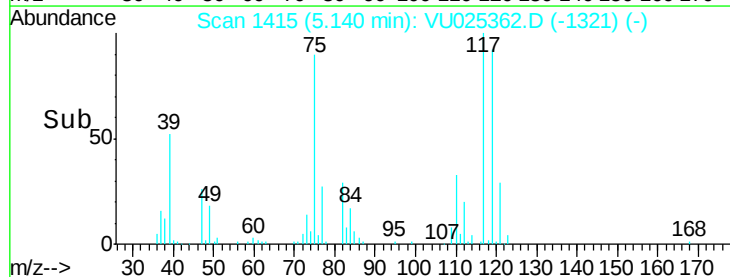
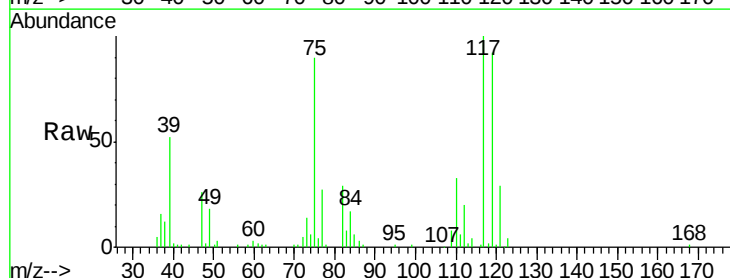
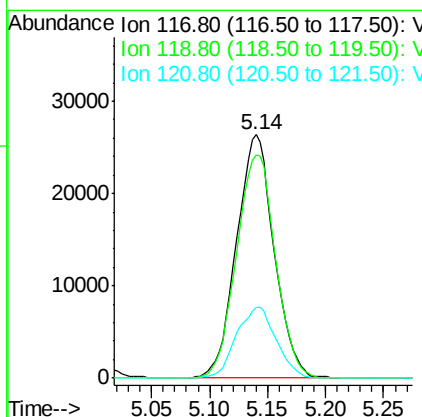
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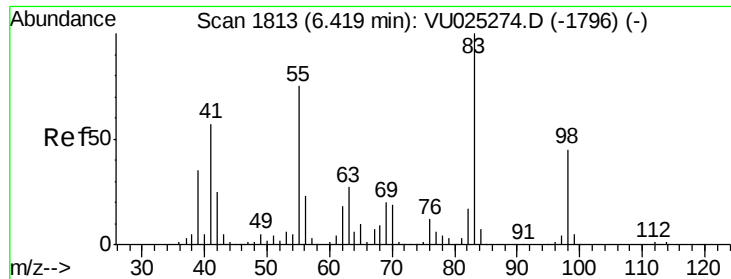
MMDadoda
7/13/2018 11:44:21 AM



#38
Carbon Tetrachloride
Concen: 19.743 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	117	119	121
Resp	59442		
Ratio	100	91.9	29.1
Lower		75.7	24.6
Upper		113.5	36.8





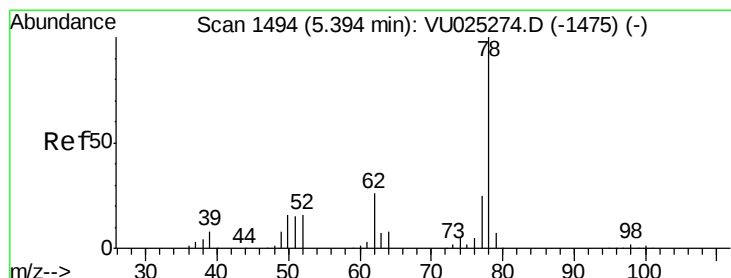
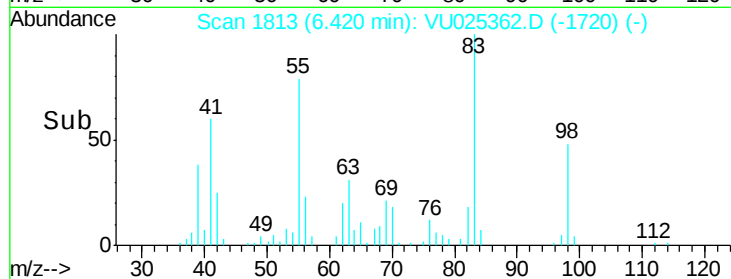
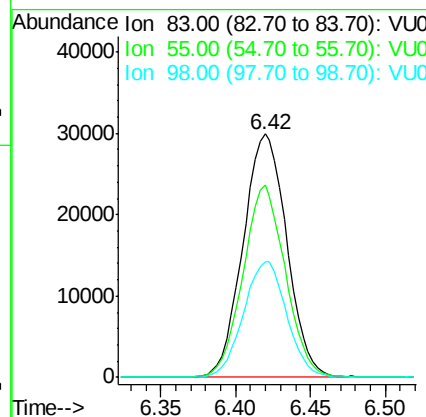
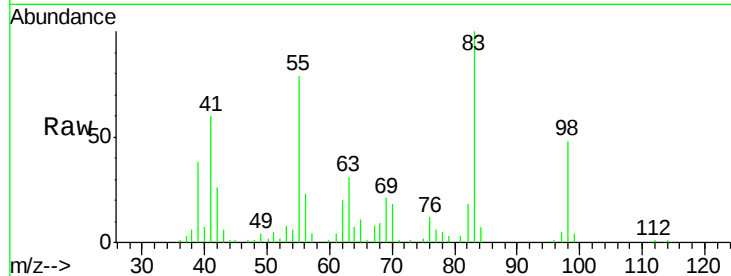
#39
Methylvlcvclohexane
Concen: 17.446 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	60.0	90.0
98	47.6	36.1	54.1

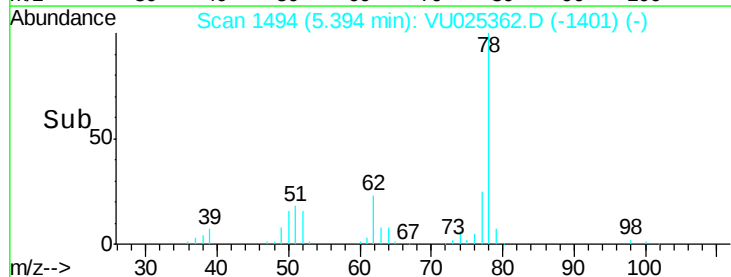
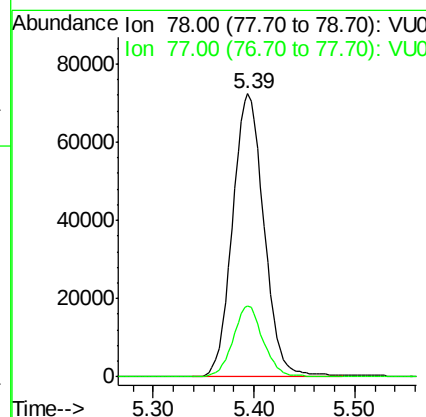
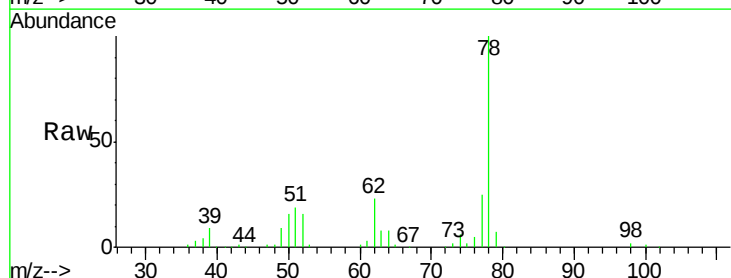
Manual Integrations
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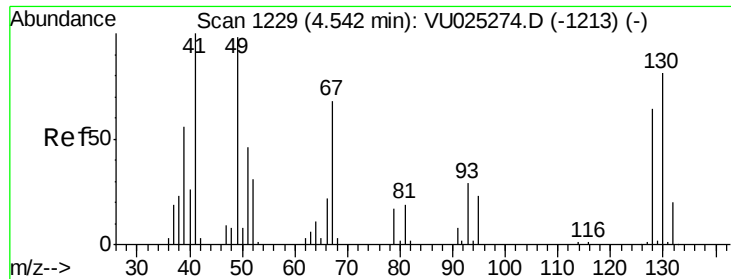
MMDadoda
7/13/2018 11:44:21 AM



#40
Benzene
Concen: 19.494 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.8	29.6





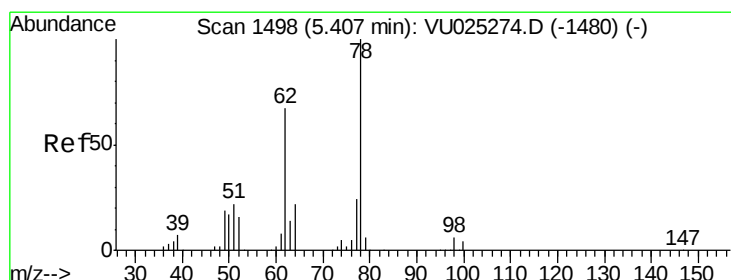
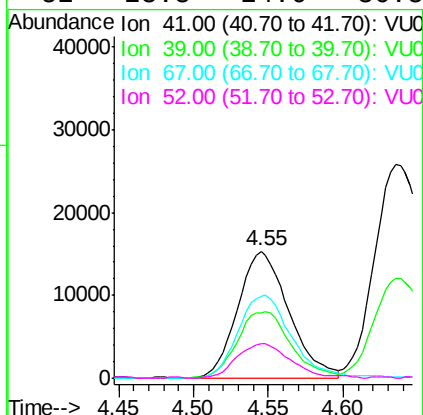
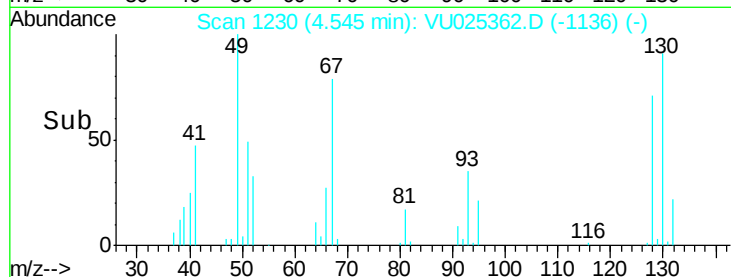
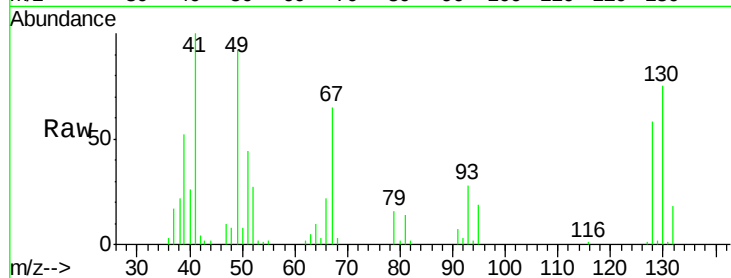
#41
Methacrylonitrile
Concen: 21.128 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	44.4	66.6	
67	67.5	56.0	84.0	
52	28.8	24.6	36.8	

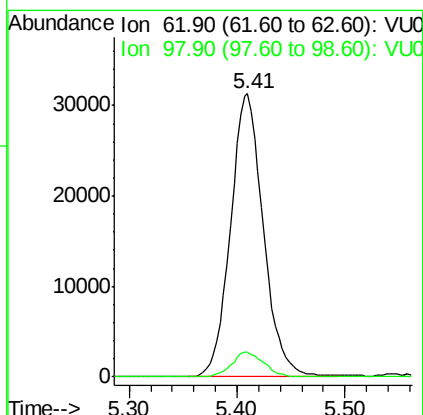
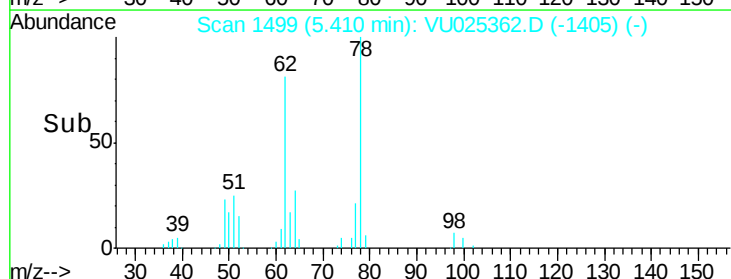
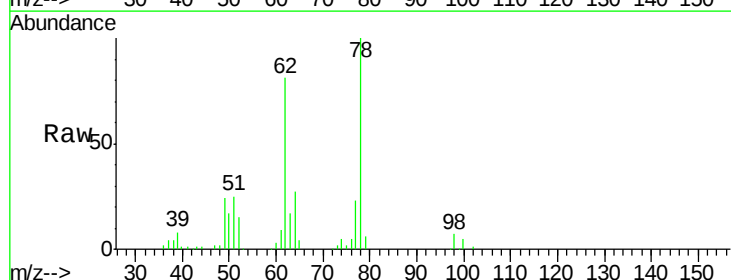
Manual Integrations
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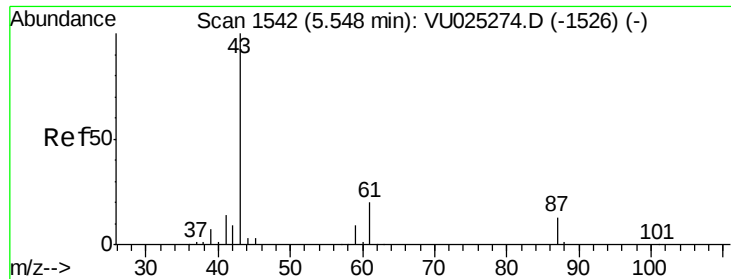
MMDadoda
7/13/2018 11:44:21 AM



#42
1,2-Dichloroethane
Concen: 20.733 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.4	





#43

Isopropyl Acetate

Concen: 20.849 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

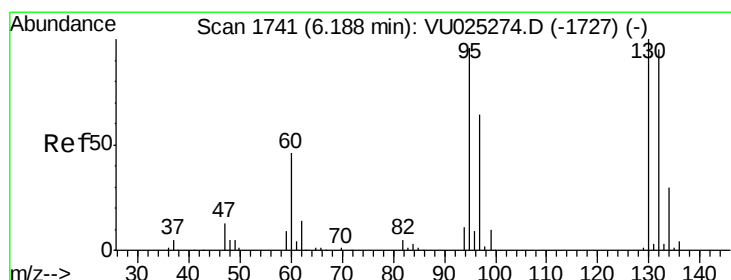
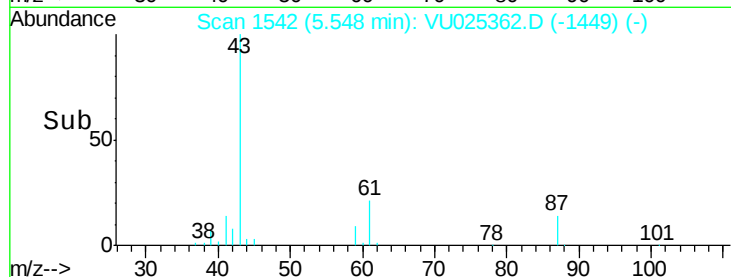
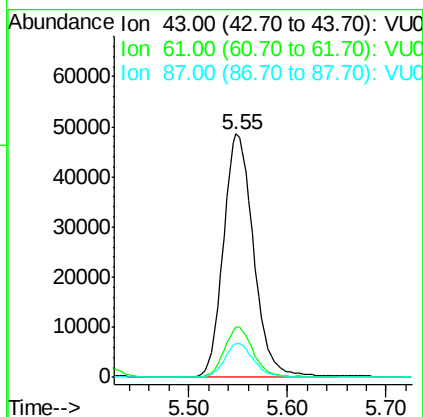
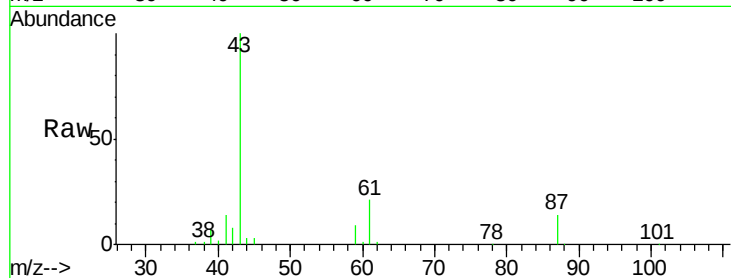
ClientSampleId :

VU0712WBSD03

Tot Ion:	43	Resp:	104155
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 18.668 ug/l

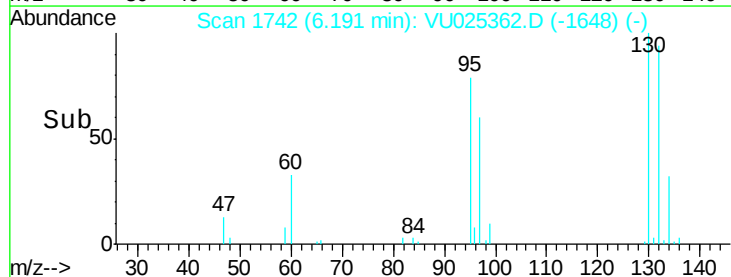
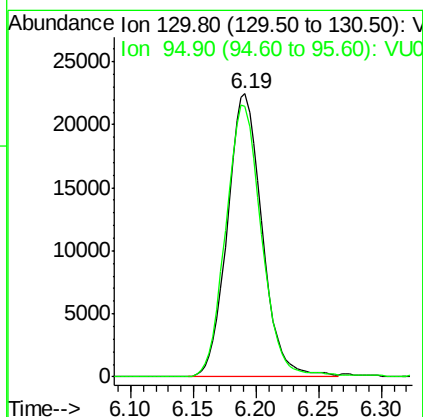
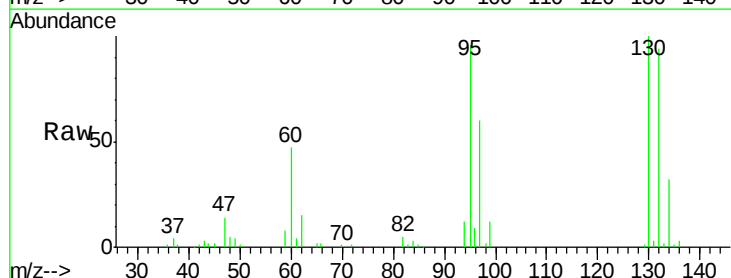
RT: 6.19 min Scan# 1742

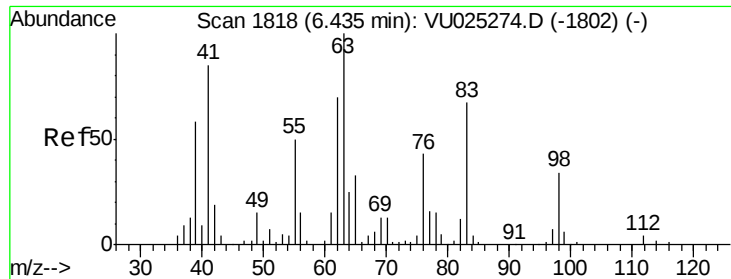
Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	130	Resp:	43210
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.2





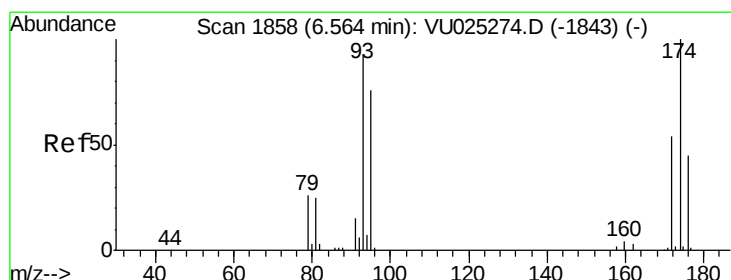
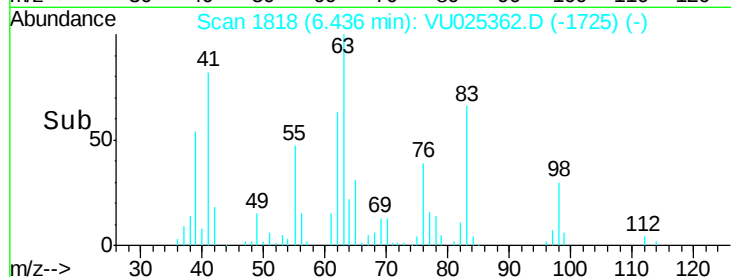
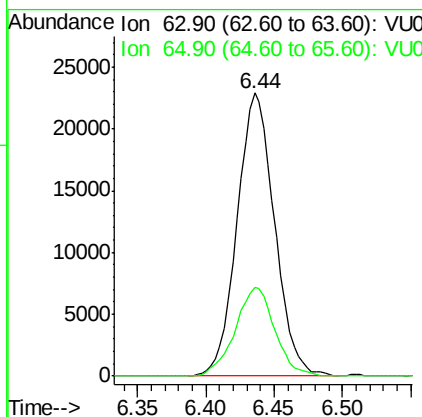
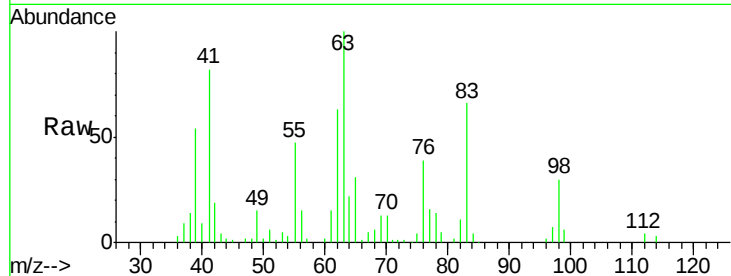
#45
 1,2-Dichloropropane
 Concen: 20.657 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0712WBSD03

Tot Ion: 63 Resp: 43616
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.1 39.1

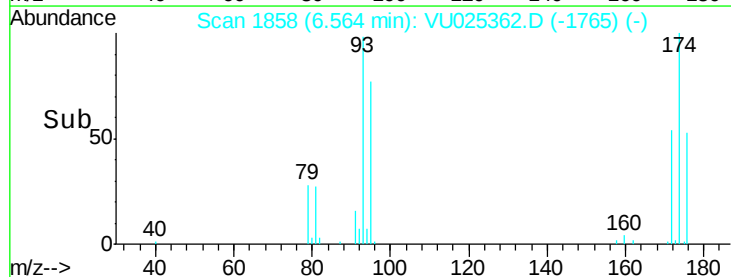
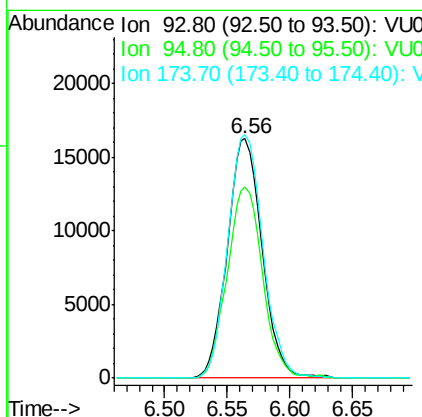
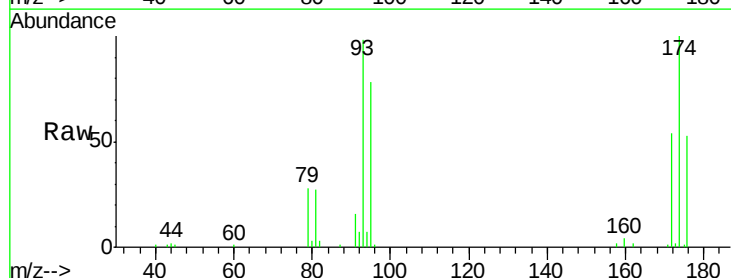
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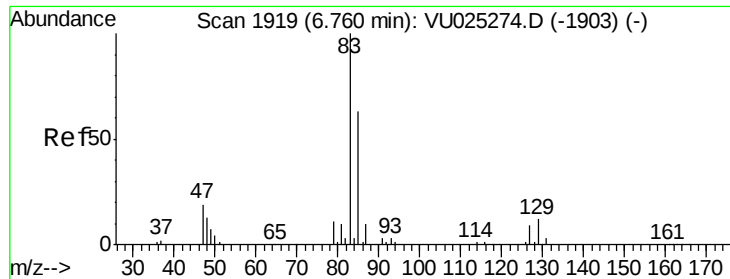
MMDadoda
 7/13/2018 11:44:21 AM



#46
 Dibromomethane
 Concen: 20.487 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 93 Resp: 31479
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.6 100.0
 174 102.5 85.8 128.8





#47

Bromodichloromethane

Concen: 20.419 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

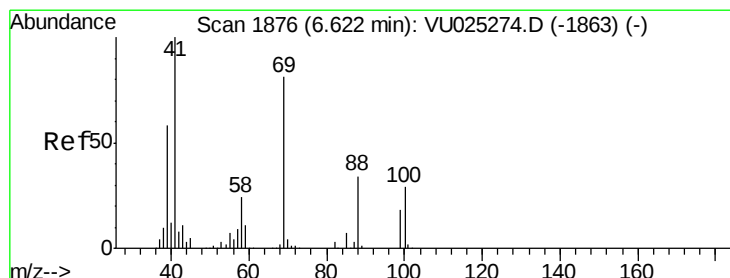
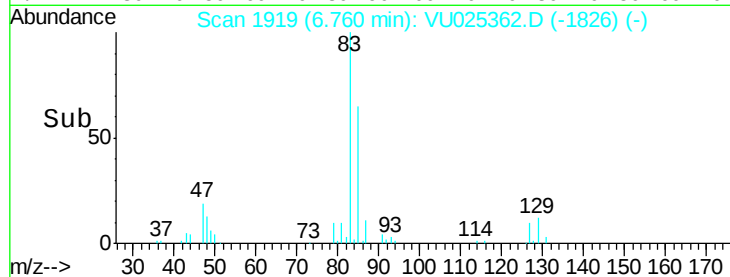
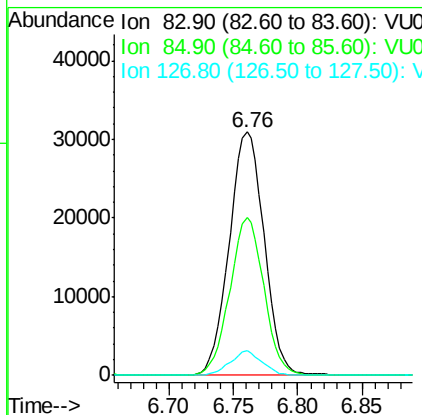
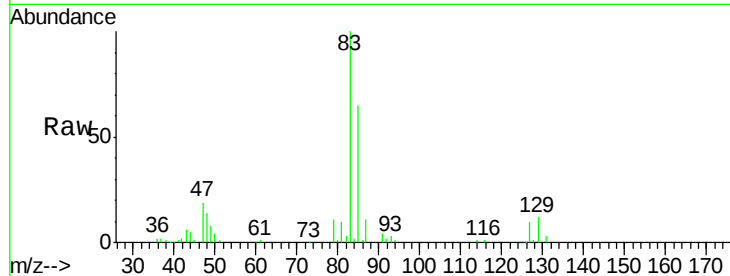
ClientSampleId :

VU0712WBSD03

Tot Ion:	83	Resp:	58284
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	10.3	7.2	10.8

Manual Integrations
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MMDadoda
7/13/2018 11:44:21 AM



#48

Methyl methacrylate

Concen: 20.695 ug/l

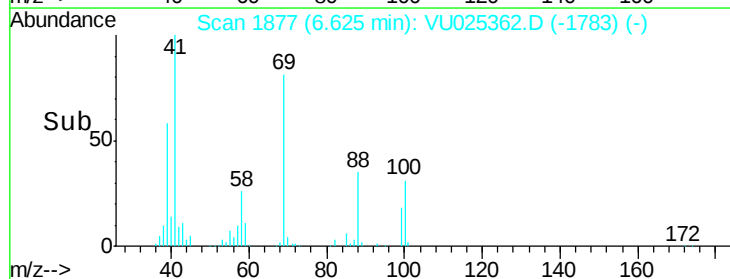
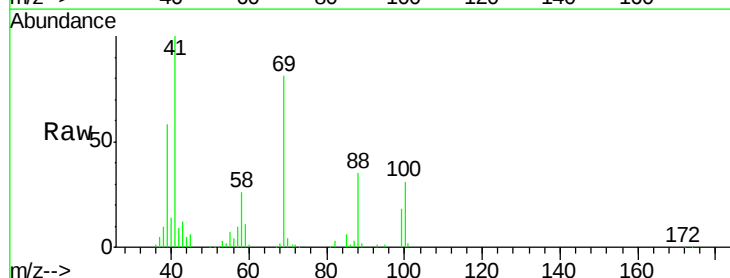
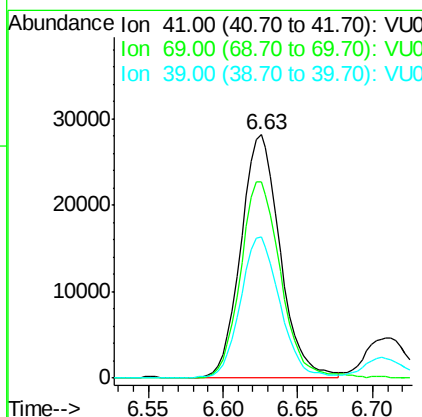
RT: 6.63 min Scan# 1877

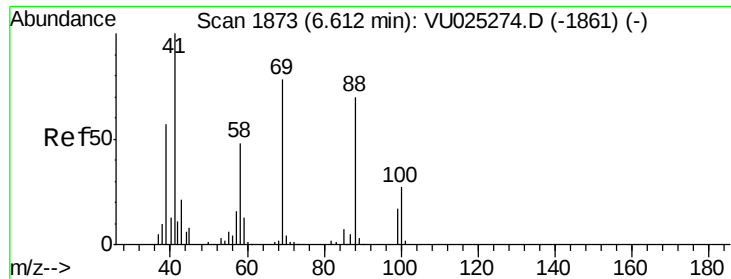
Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	41	Resp:	51542
Ion	Ratio	Lower	Upper
41	100		
69	82.4	65.0	97.4
39	58.2	46.4	69.6





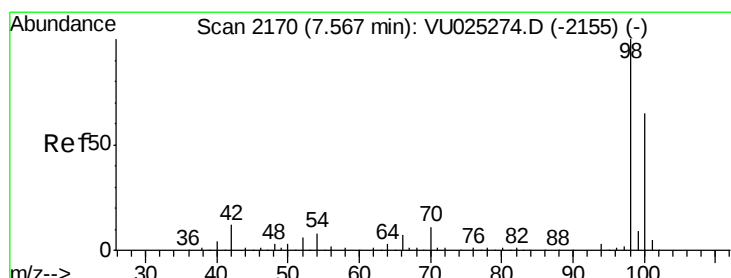
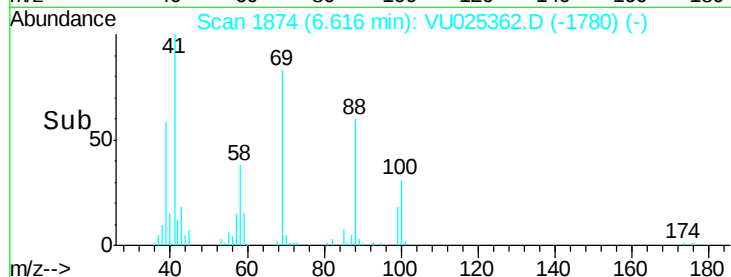
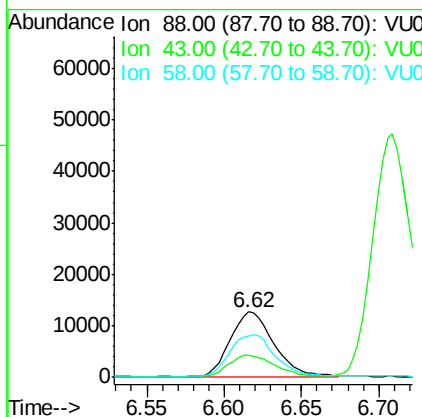
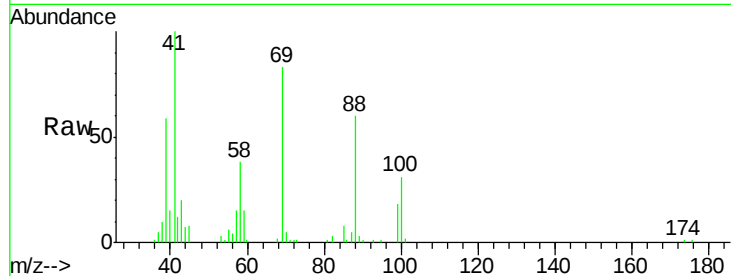
#49
1,4-Dioxane
Concen: 419.709 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.3	40.9
58	69.1	57.6	86.4

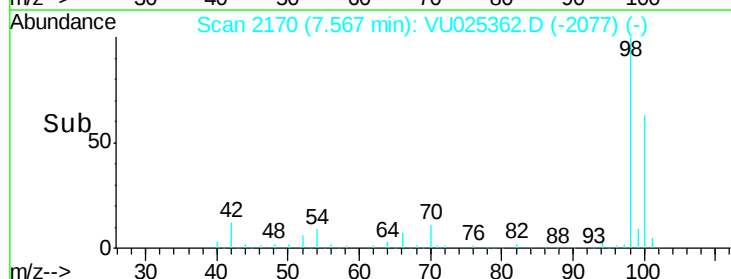
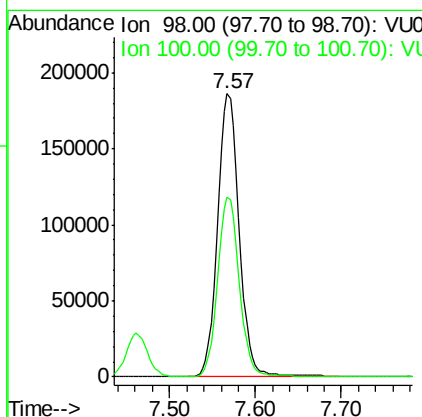
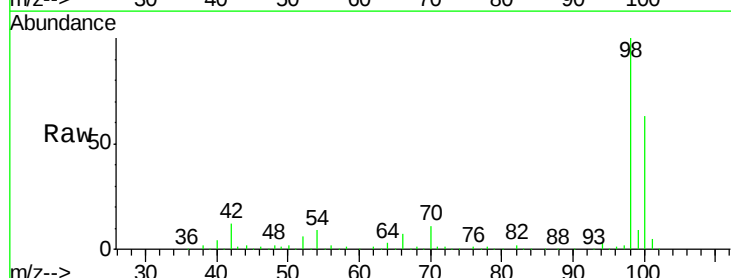
Manual Integrations
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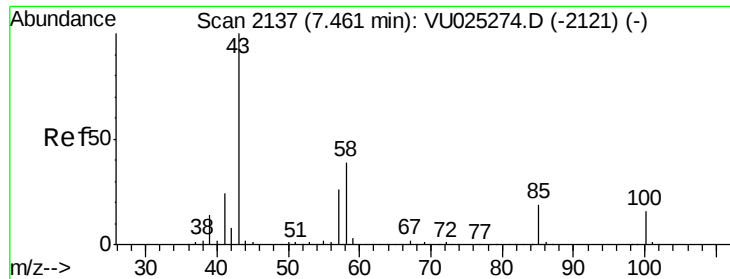
MMDadoda
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#50
Toluene-d8
Concen: 44.883 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 102.487 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 43 Resp: 332780

Ion Ratio Lower Upper

43 100

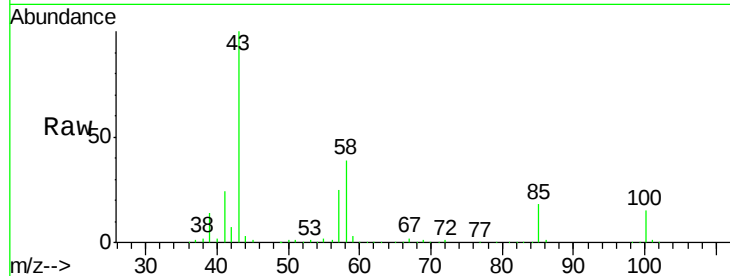
58 38.8 31.0 46.4

Manual Integrations

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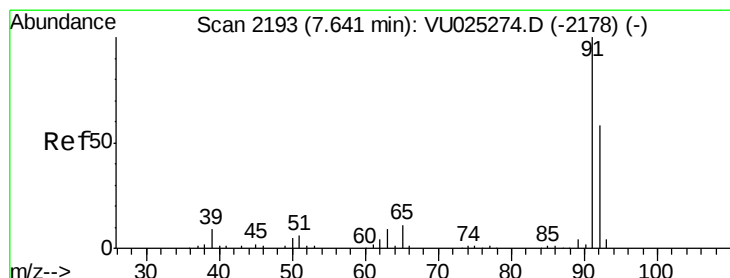
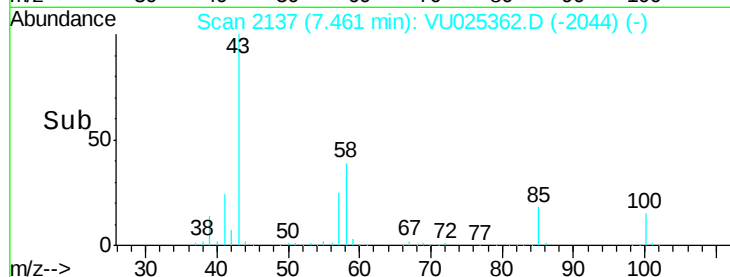
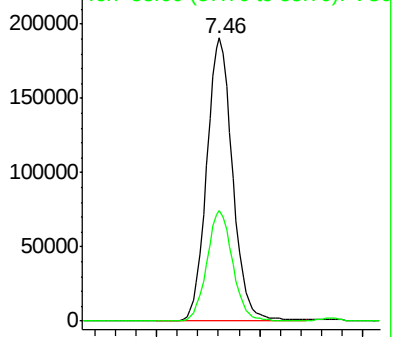
MMDadoda

7/13/2018 11:44:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.516 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025362.D

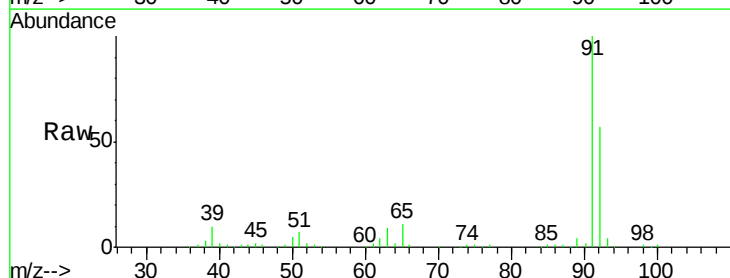
Acq: 13 Jul 2018 01:13

Tgt Ion: 92 Resp: 100091

Ion Ratio Lower Upper

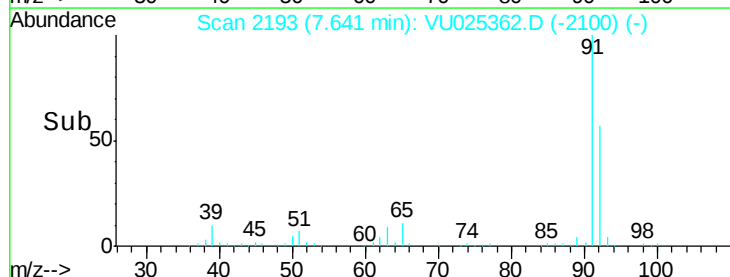
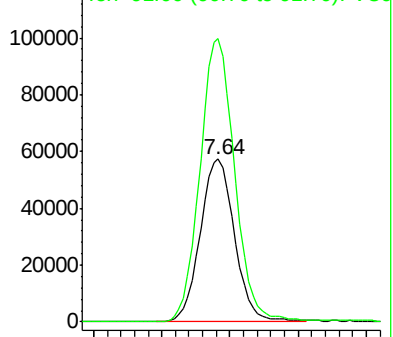
92 100

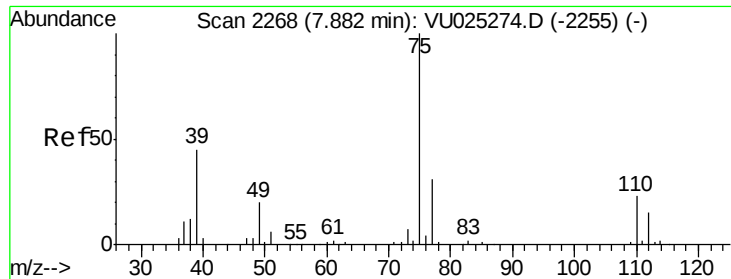
91 175.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





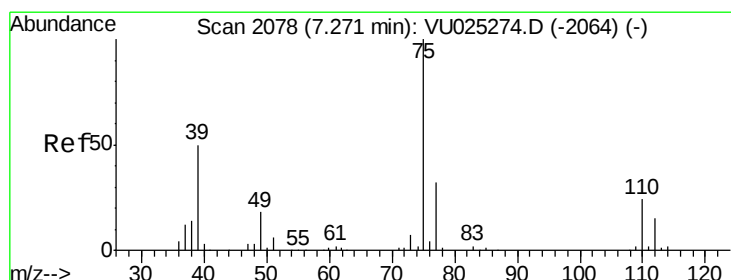
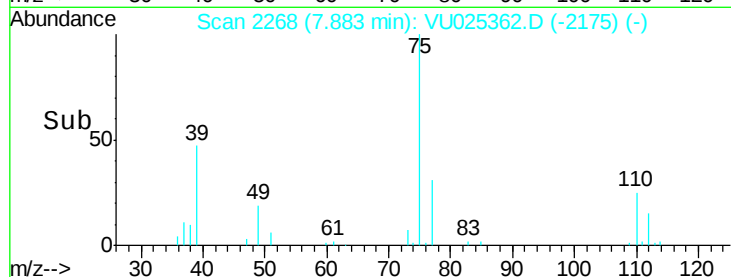
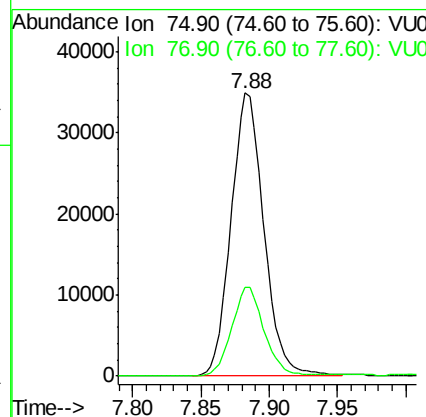
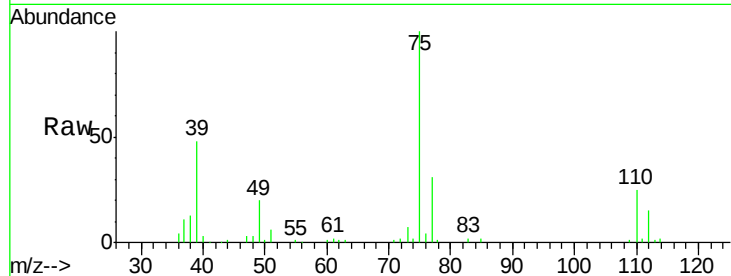
#53
t-1,3-Dichloropropene
Concen: 18.643 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 75 Resp: 58468
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7

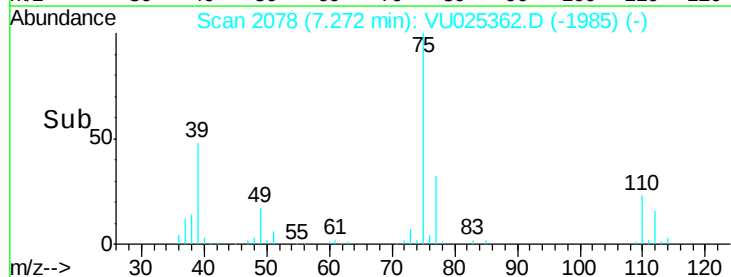
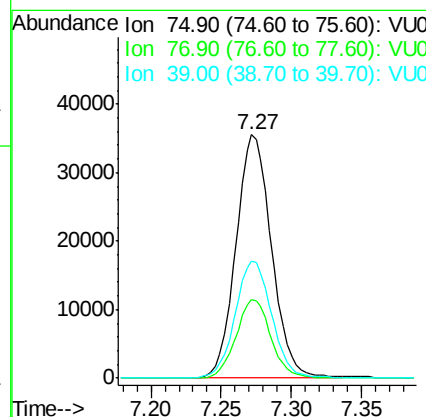
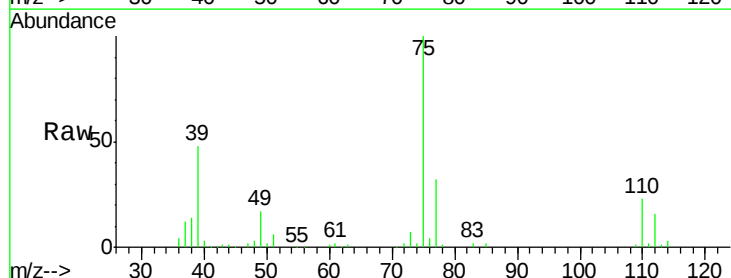
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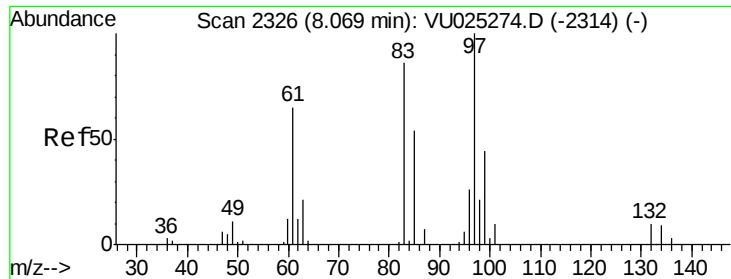
MMDadoda
7/13/2018 11:44:21 AM



#54
cis-1,3-Dichloropropene
Concen: 18.828 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 75 Resp: 62845
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 48.1 40.0 60.0





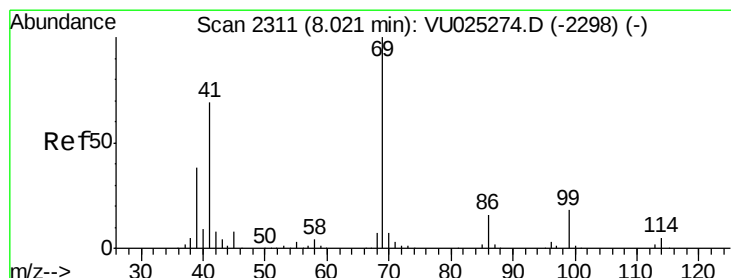
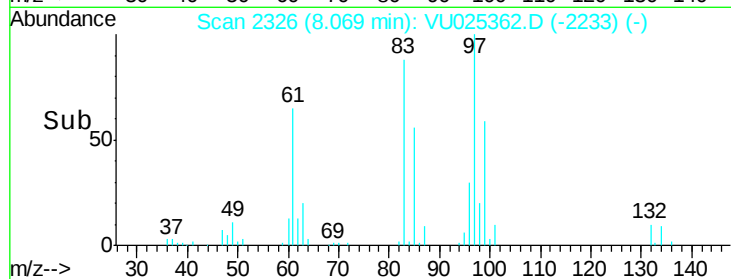
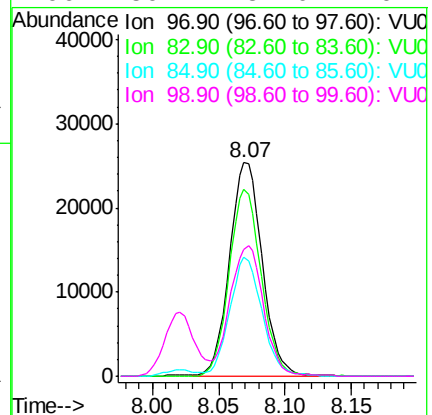
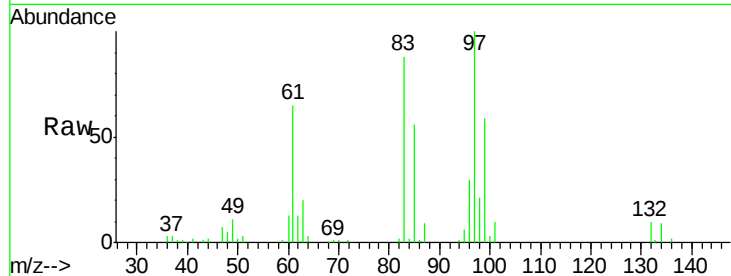
#55
 1,1,2-Trichloroethane
 Concen: 20.423 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion:	97	Resp:	43622
Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.9	103.3
85	55.8	44.4	66.6
99	59.1	51.0	76.4

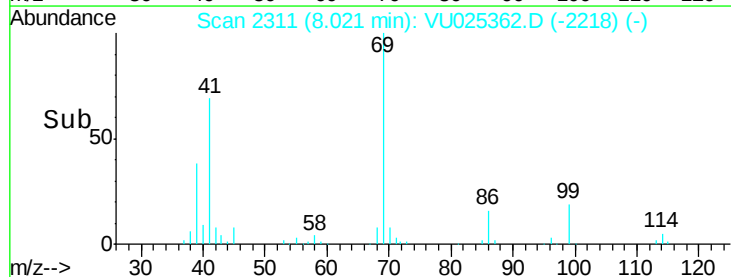
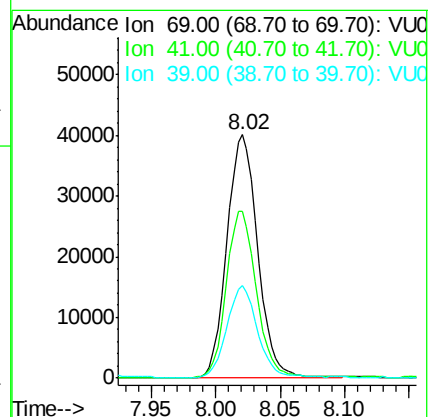
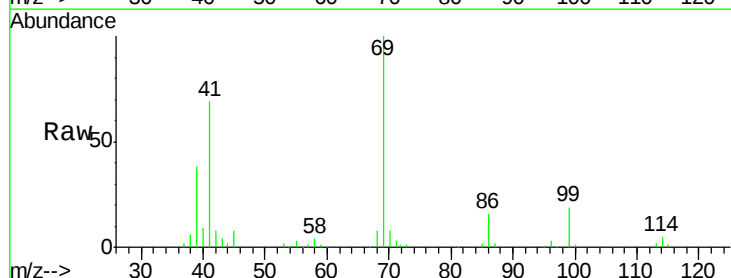
Manual Integrations
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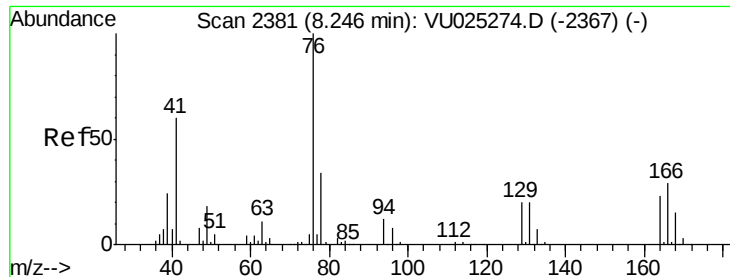
MMDadoda
 7/13/2018 11:44:21 AM



#56
 Ethyl methacrylate
 Concen: 19.969 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:	69	Resp:	66619
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.8	82.2
39	37.3	31.1	46.7





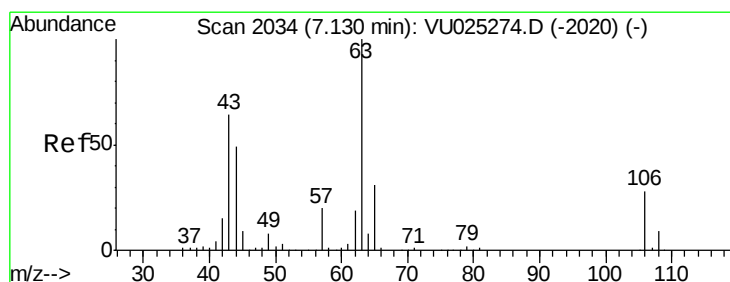
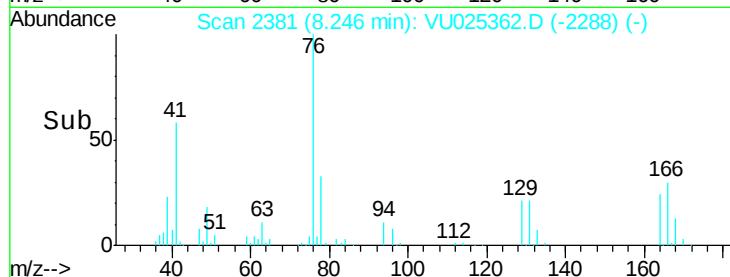
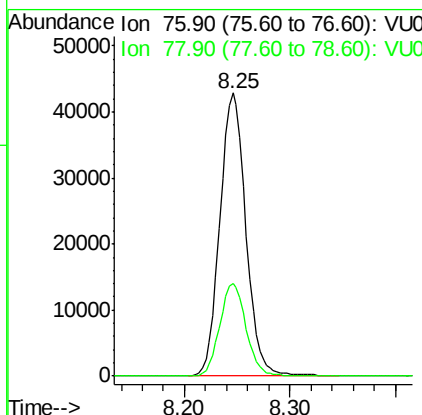
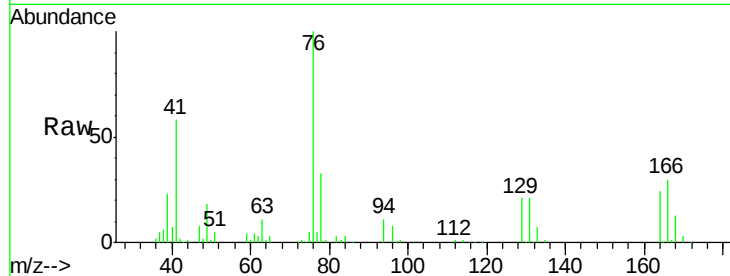
#57
 1,3-Dichloropropane
 Concen: 20.655 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion: 76 Resp: 73239
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

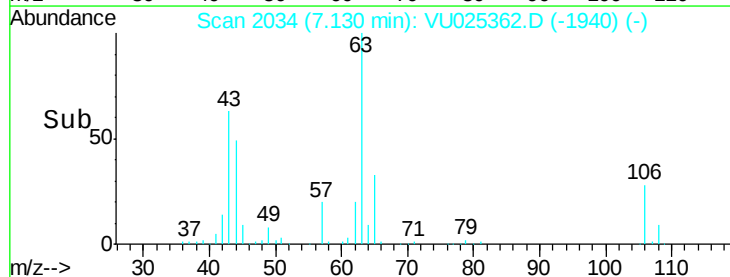
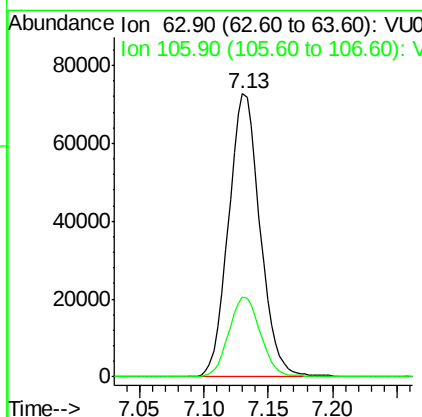
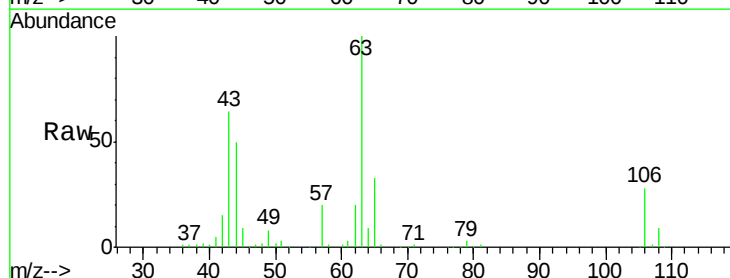
Manual Integrations
 APPROVED

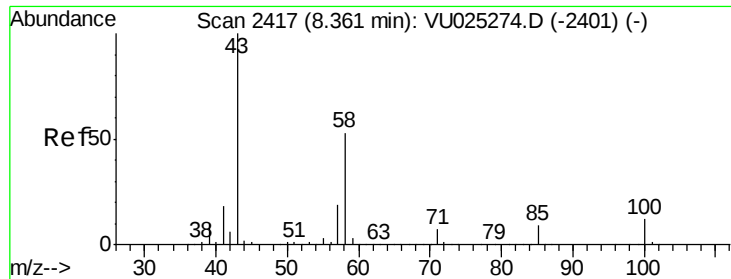
MMDadoda
 7/13/2018 11:44:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.233 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 63 Resp: 123758
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.3 33.5





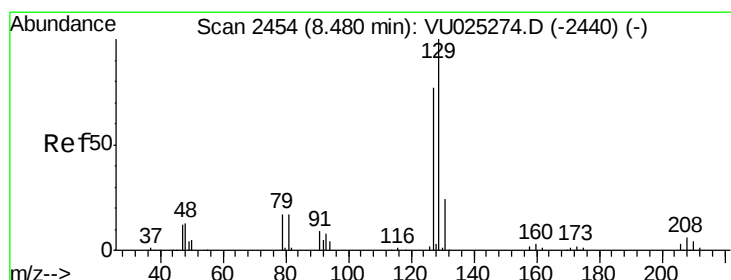
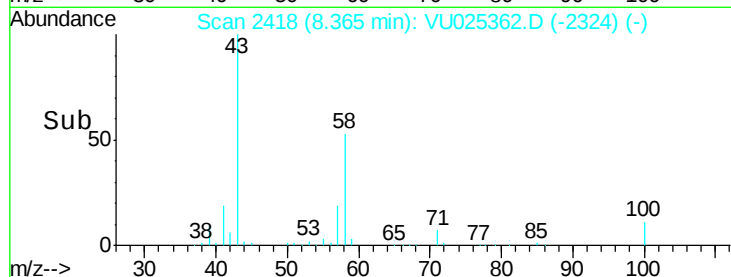
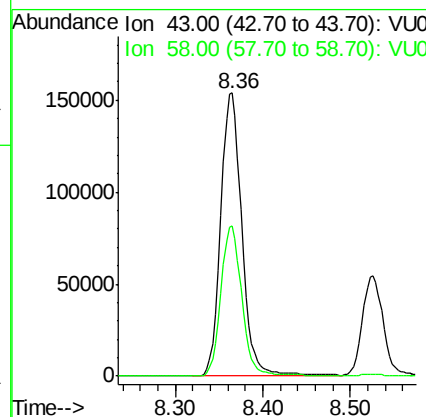
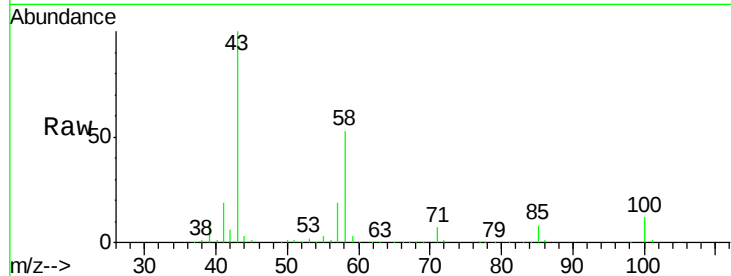
#59
2-Hexanone
Concen: 98.703 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.2	78.5

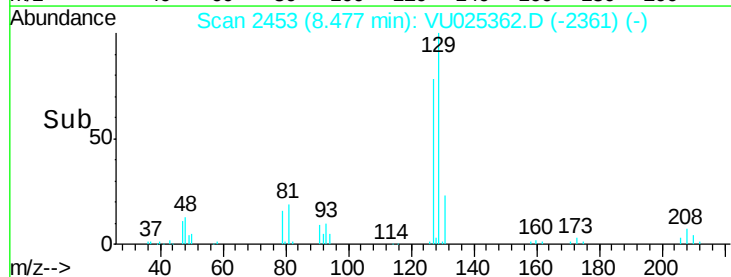
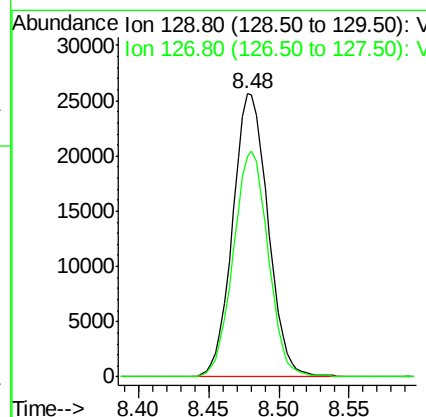
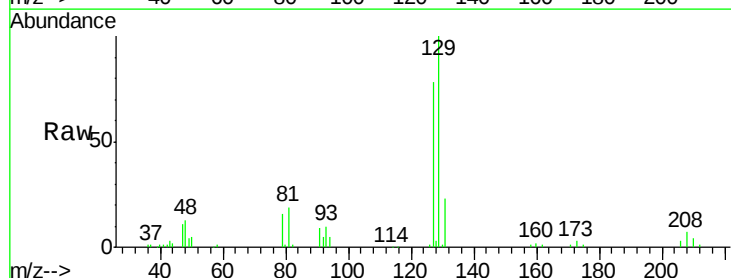
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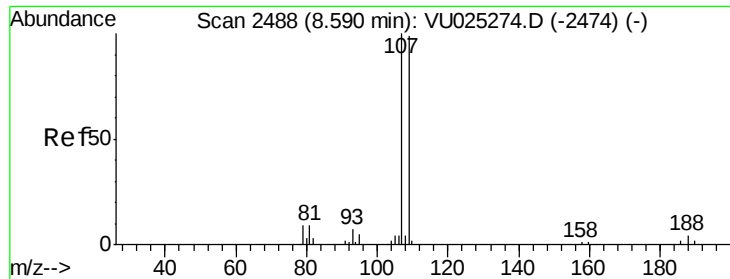
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#60
Dibromochloromethane
Concen: 19.472 ug/l
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.161 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion:107 Resp: 46077

Ion Ratio Lower Upper

107 100

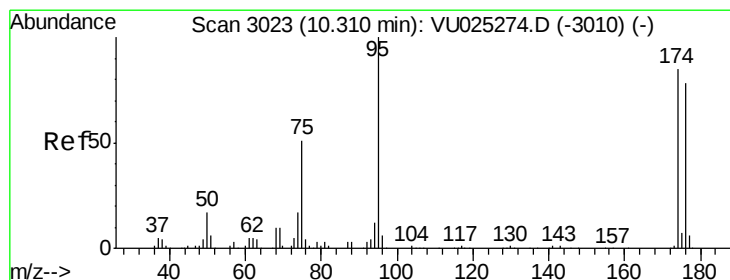
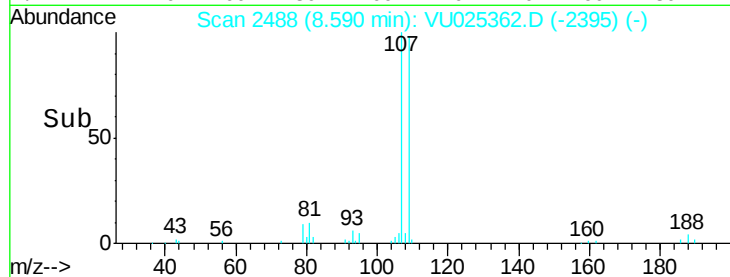
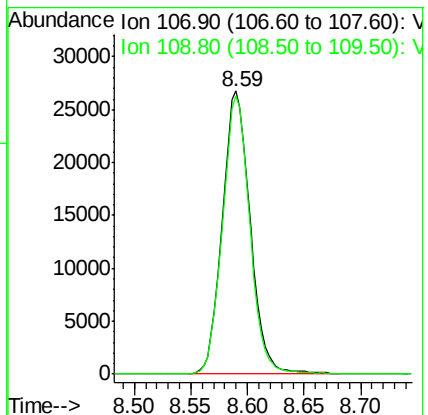
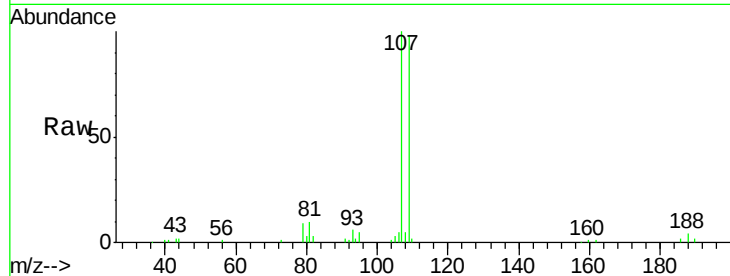
109 96.2 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 44.816 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

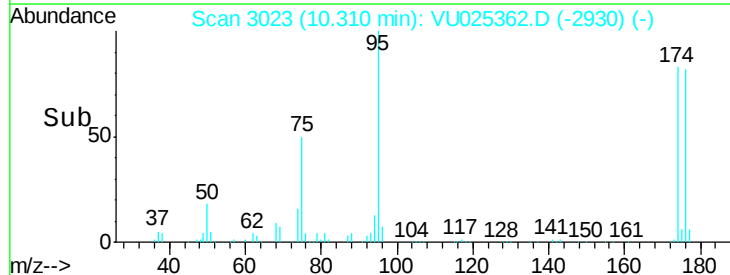
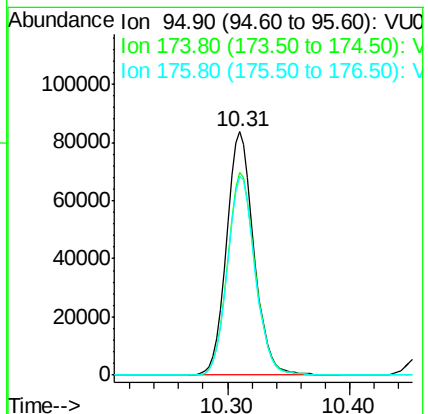
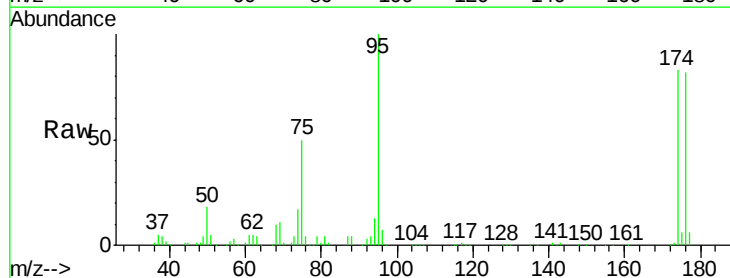
Tgt Ion: 95 Resp: 131147

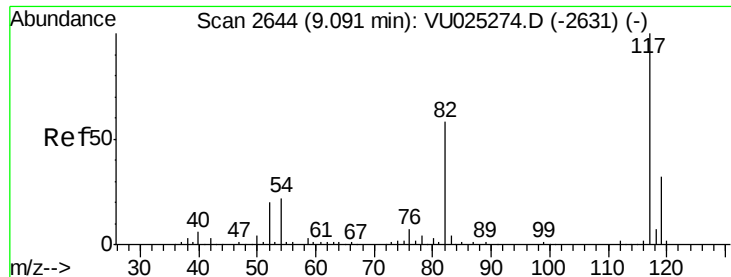
Ion Ratio Lower Upper

95 100

174 84.5 0.0 172.2

176 82.7 0.0 162.6





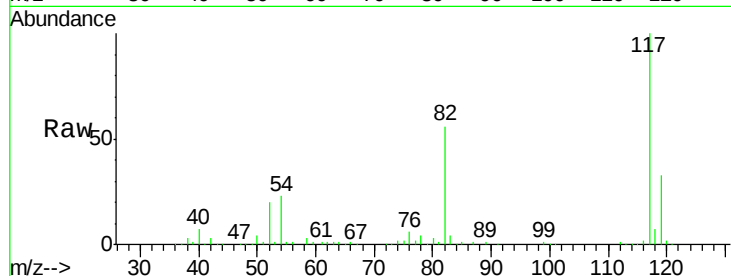
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

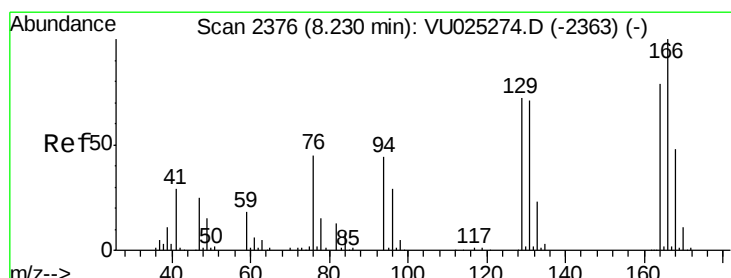
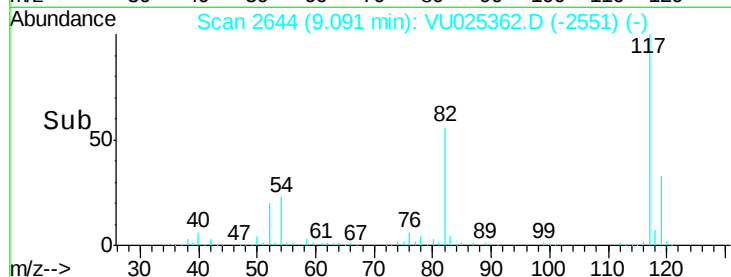
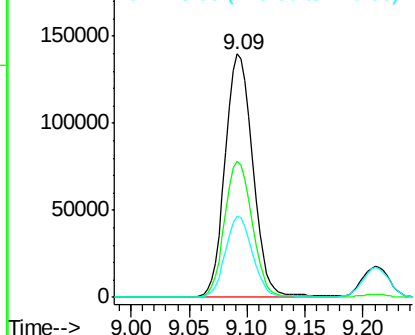
Tot Ion	Ratio	Resp	Lower	Upper
117	100	232012		
82	56.1	46.0	69.0	
119	33.2	26.0	39.0	

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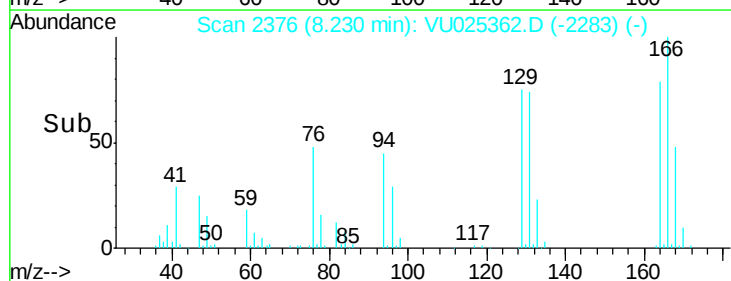
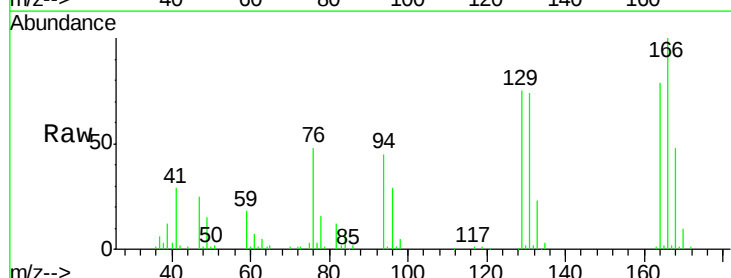
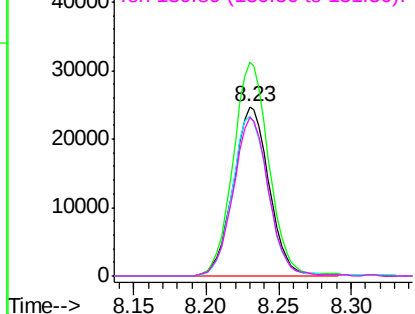
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

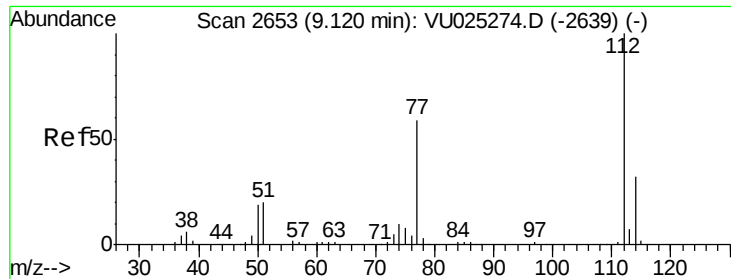


#64
Tetrachloroethene
Concen: 19.995 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42287		
166	126.3	101.1	151.7	
129	94.9	73.0	109.6	
131	93.6	72.1	108.1	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





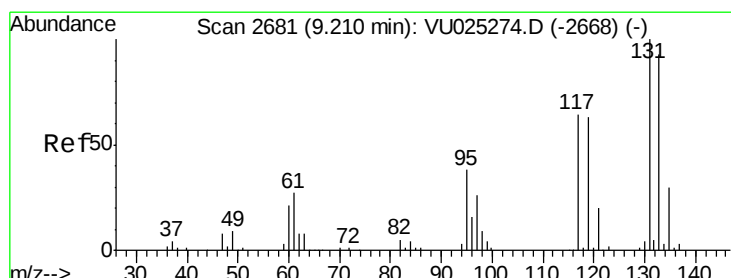
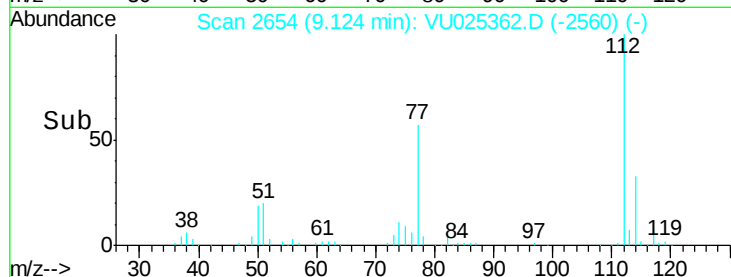
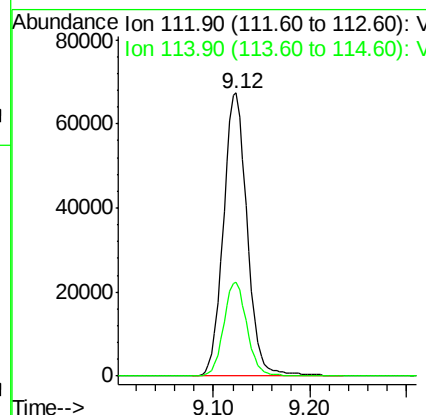
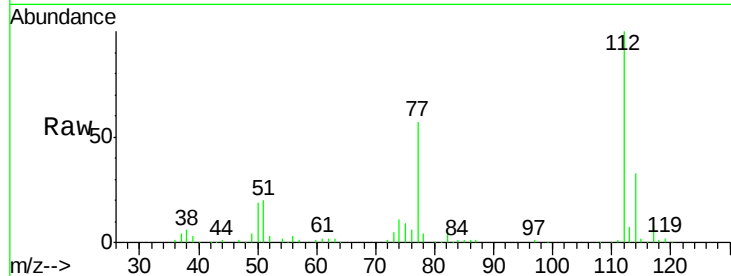
#65
Chlorobenzene
Concen: 19.869 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion:112 Resp: 115156
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8

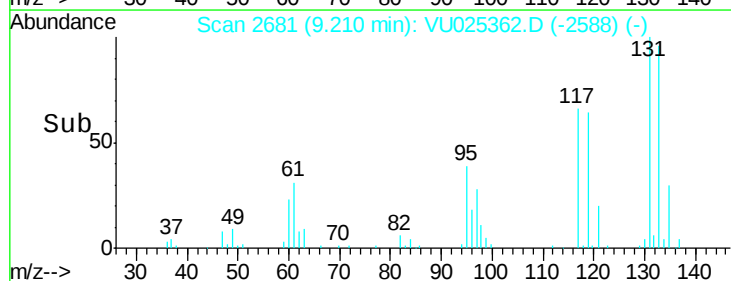
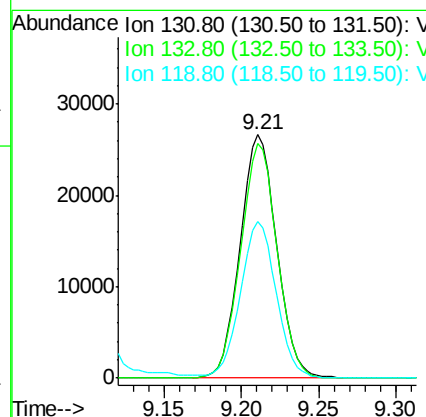
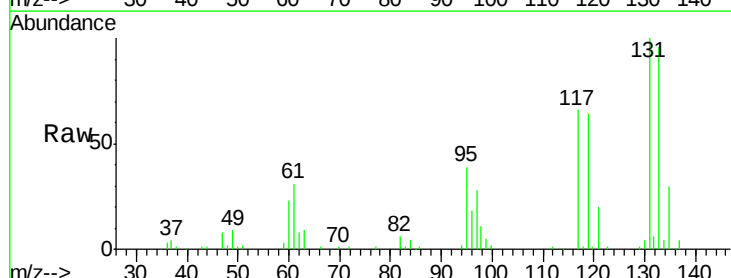
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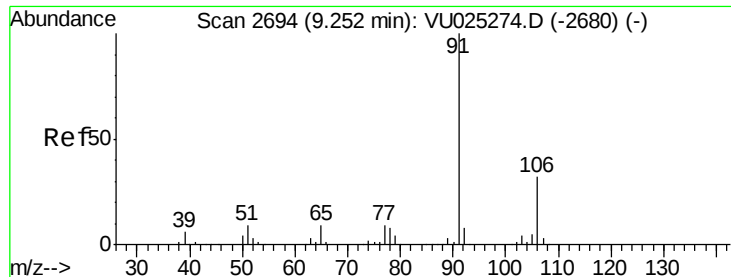
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.055 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:131 Resp: 43652
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 63.1 31.6 95.0





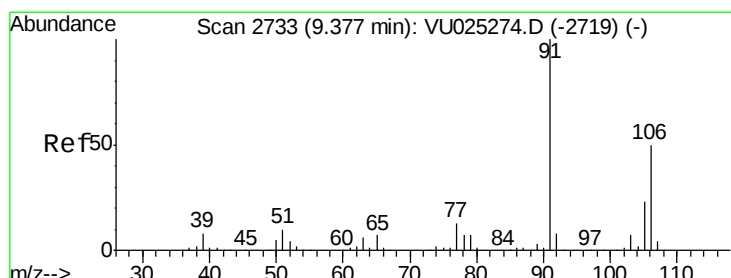
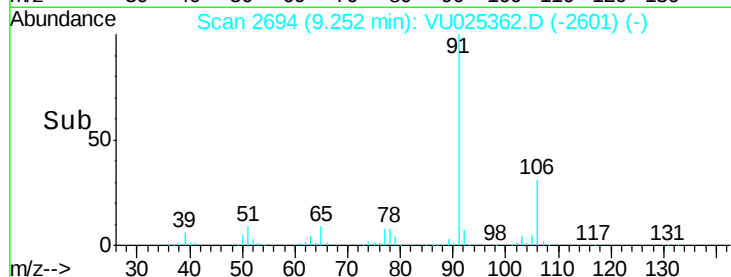
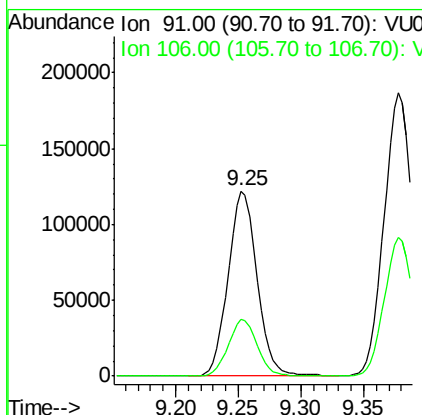
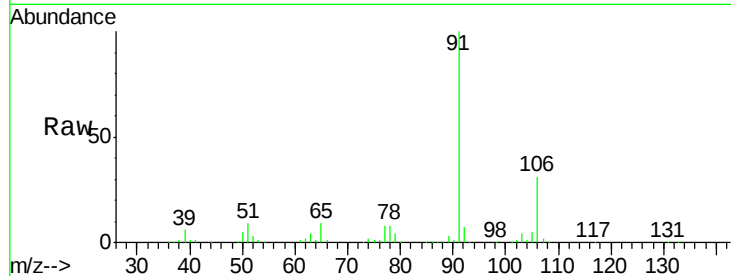
#67
Ethyl Benzene
Concen: 19.861 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 91 Resp: 196246
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

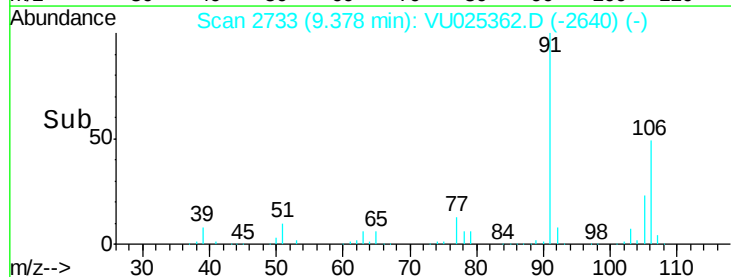
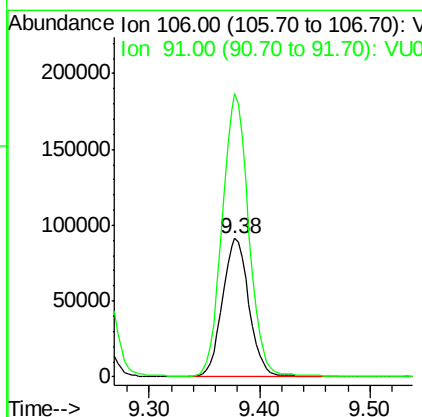
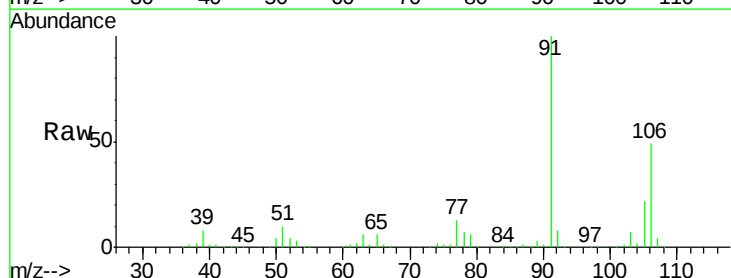
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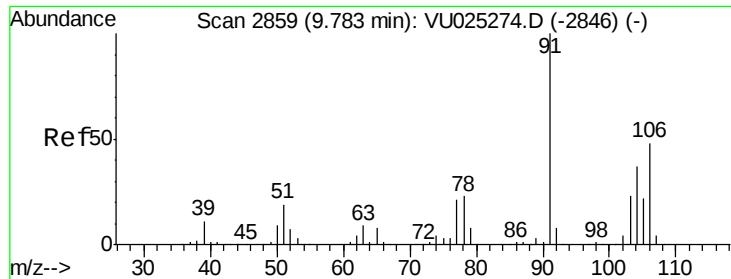
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#68
m/p-Xylenes
Concen: 40.065 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 106 Resp: 153055
Ion Ratio Lower Upper
106 100
91 201.4 162.3 243.5





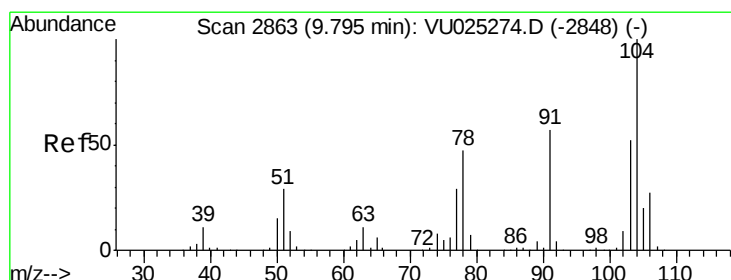
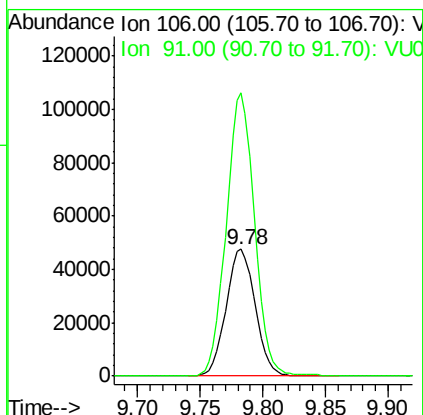
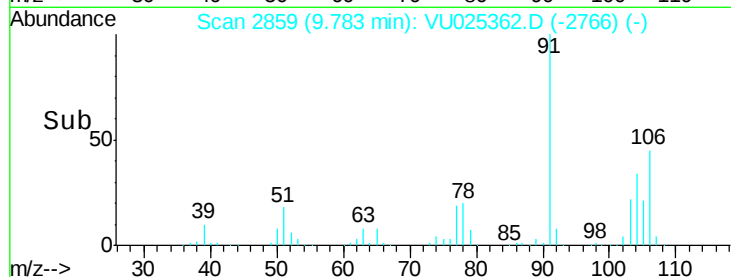
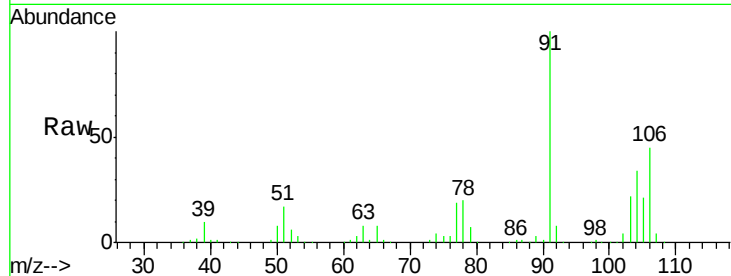
#69
o-Xylene
Concen: 20.094 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion:106 Resp: 76851
Ion Ratio Lower Upper
106 100
91 215.9 105.3 315.8

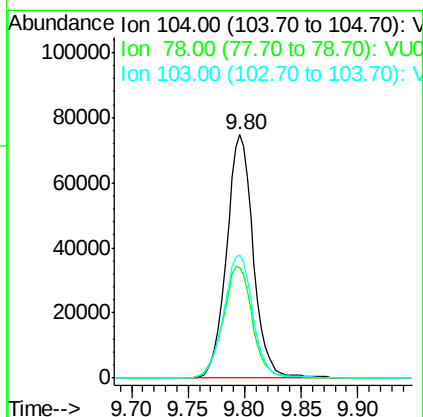
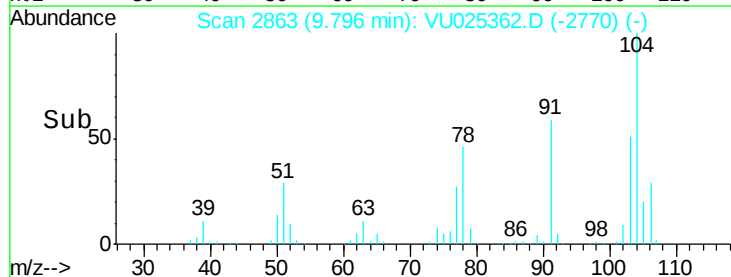
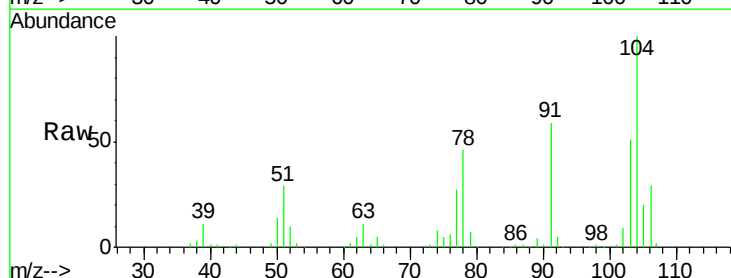
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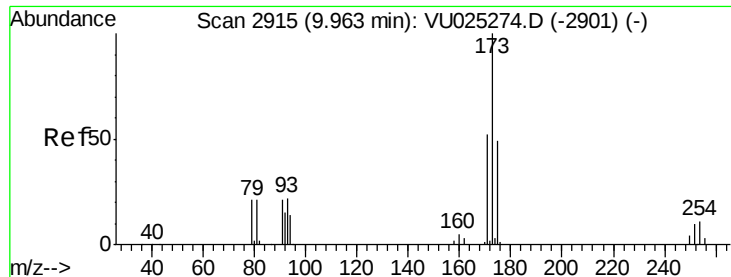
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#70
Styrene
Concen: 20.166 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:104 Resp: 122512
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 54.8 44.6 66.8





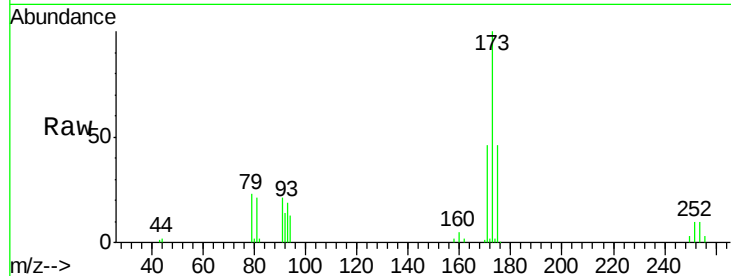
#71
Bromoform
Concen: 20.163 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

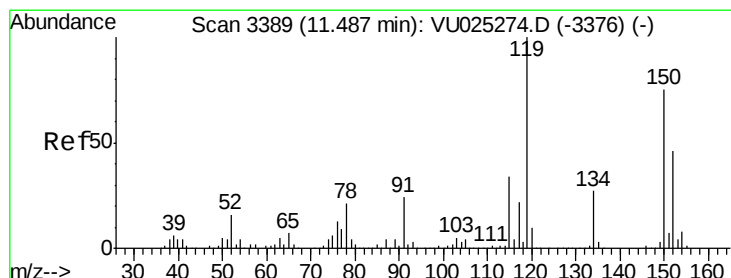
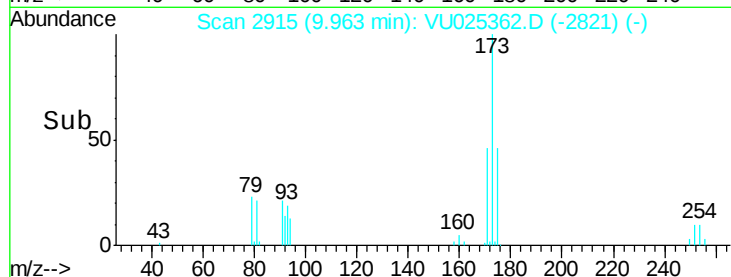
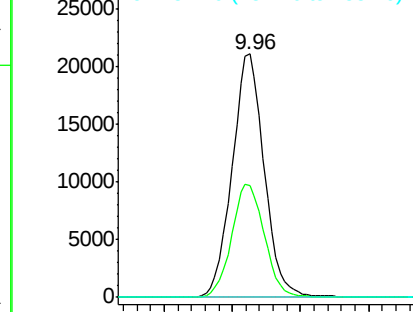
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.0	72.0
254	0.0	0.0	0.0

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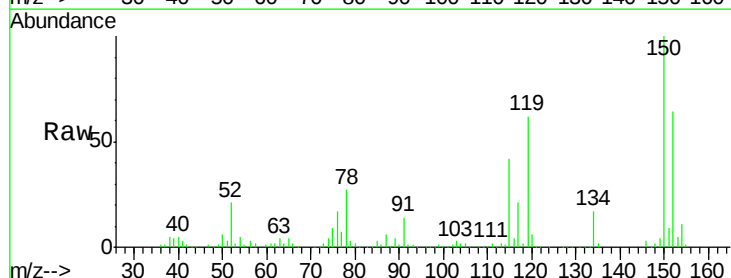


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

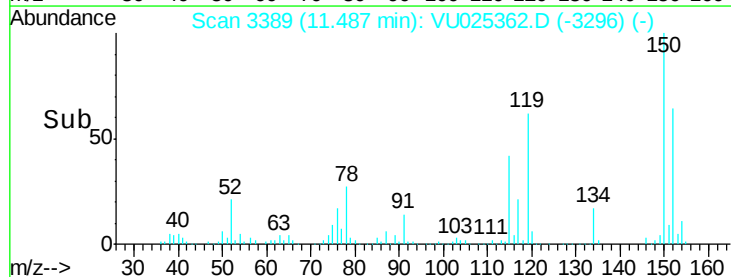
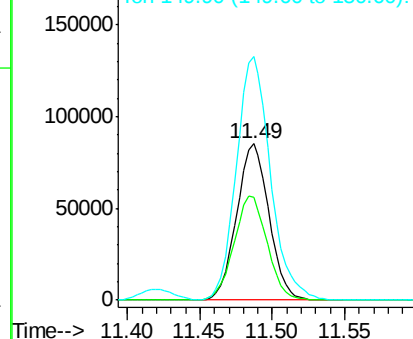


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.2	40.1	120.3
150	164.6	0.0	351.4



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





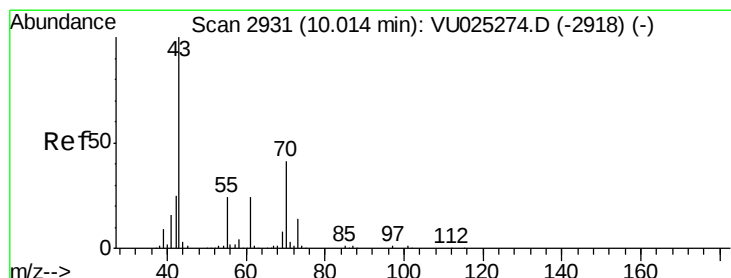
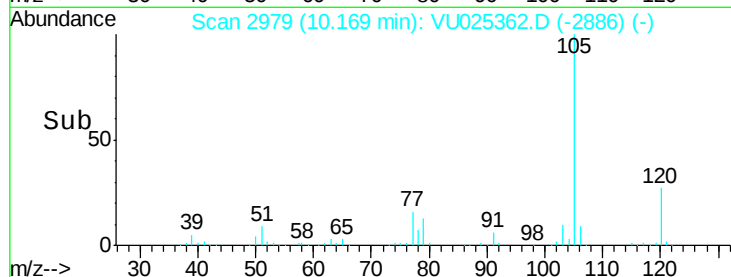
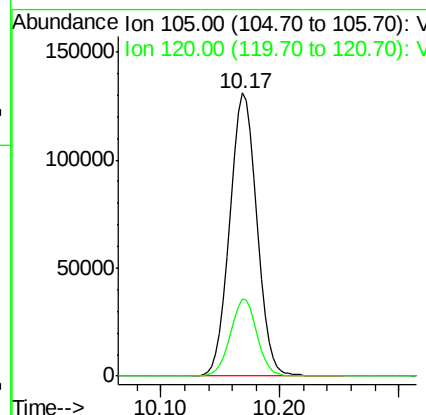
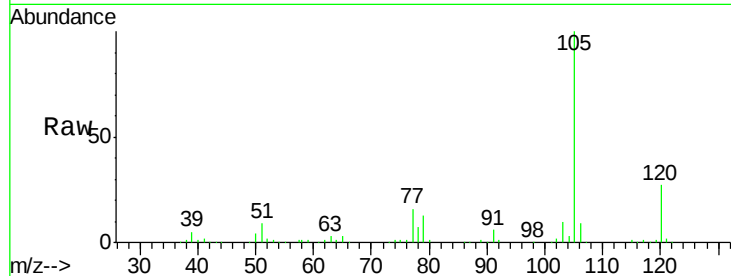
#73
Isopropylbenzene
Concen: 20.606 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 105 Resp: 206867
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.5

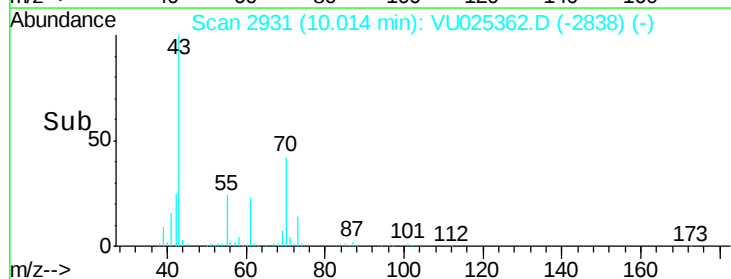
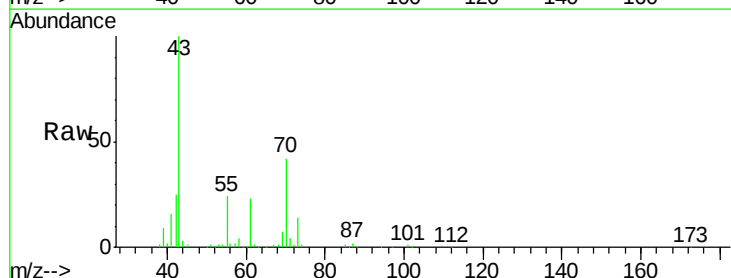
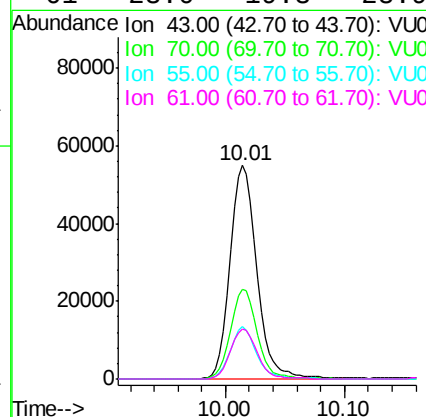
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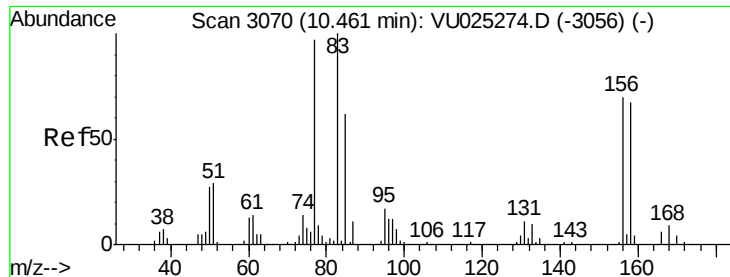
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#74
N-ethyl acetate
Concen: 21.715 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 43 Resp: 86203
Ion Ratio Lower Upper
43 100
70 41.7 33.4 50.2
55 23.9 19.0 28.6
61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.155 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 83 Resp: 69481

Ion Ratio Lower Upper

83 100

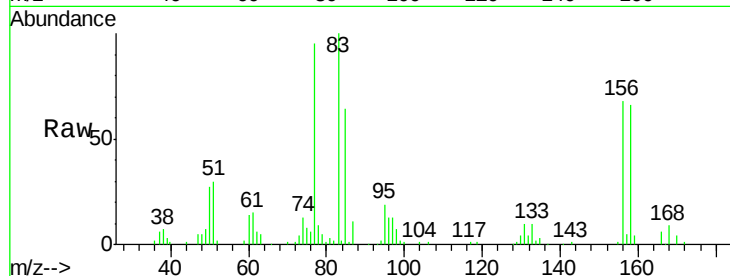
131 10.5 5.5 16.4

85 64.9 31.6 94.8

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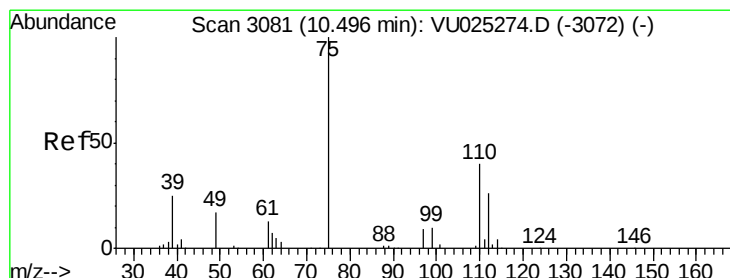
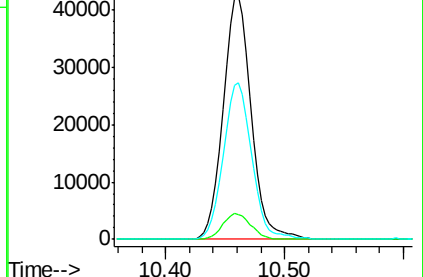
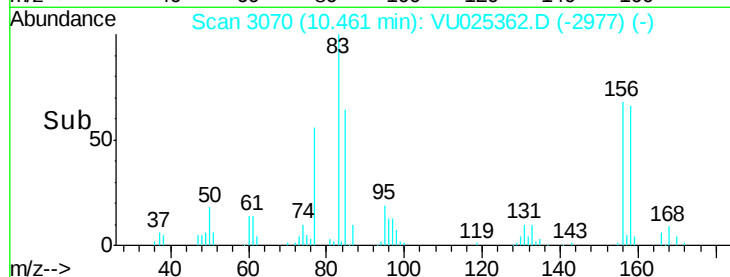
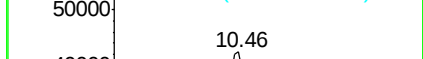
7/13/2018 11:44:21 AM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 23.947 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025362.D

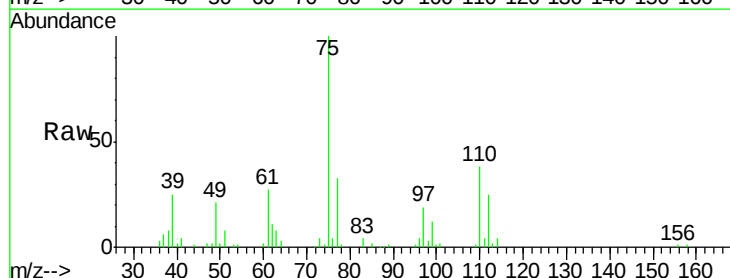
Acq: 13 Jul 2018 01:13

Tgt Ion: 75 Resp: 63676

Ion Ratio Lower Upper

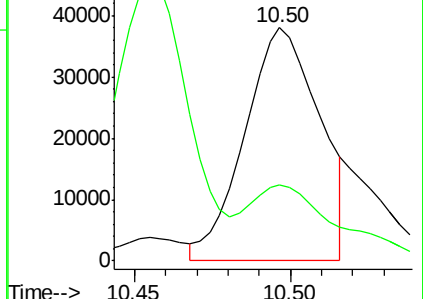
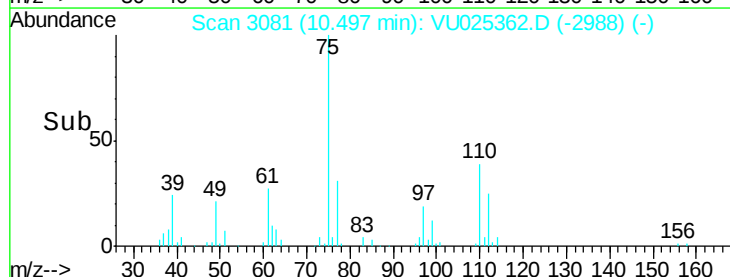
75 100

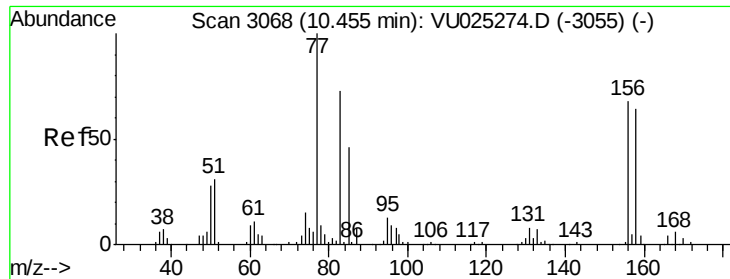
77 37.8 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.548 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

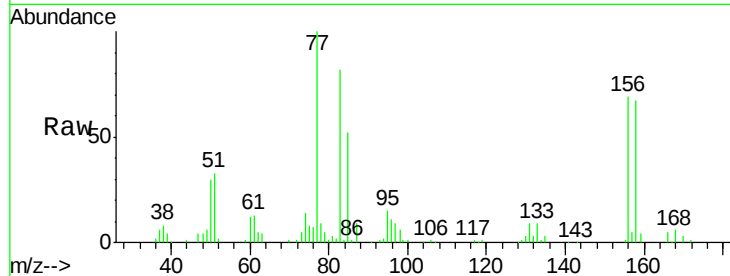
ClientSampleId :

VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.4	73.8	221.4
158	96.9	48.0	144.0

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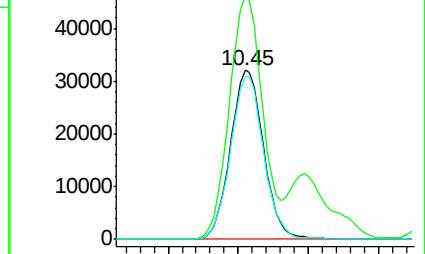
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7/13/2018 11:44:21 AM



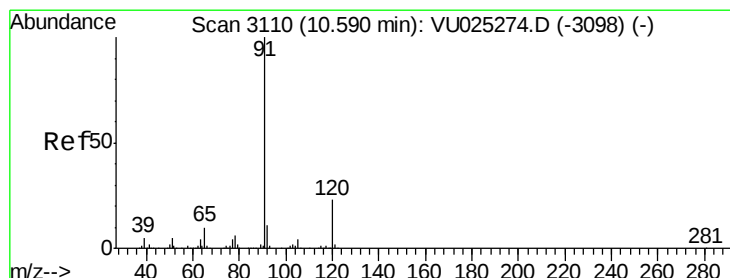
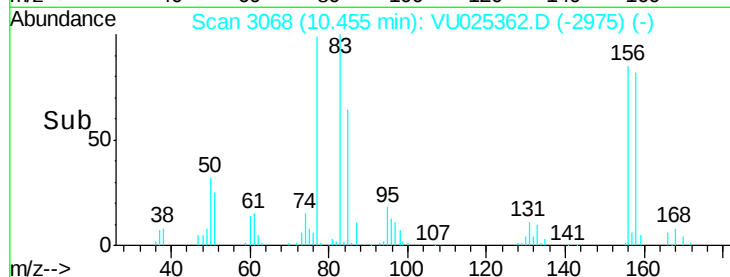
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.125 ug/l

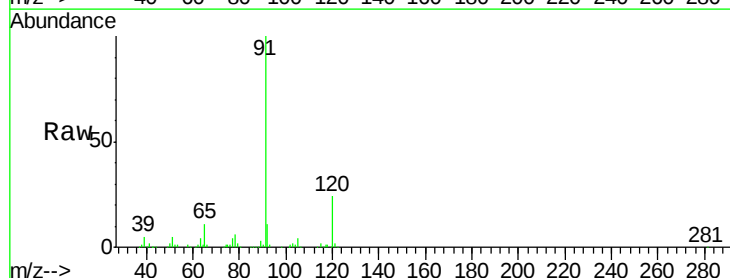
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025362.D

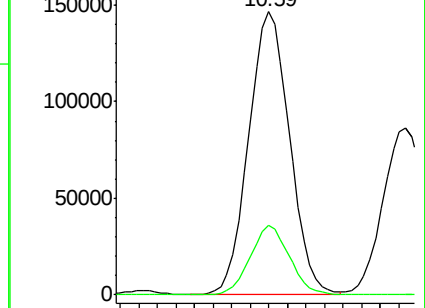
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3

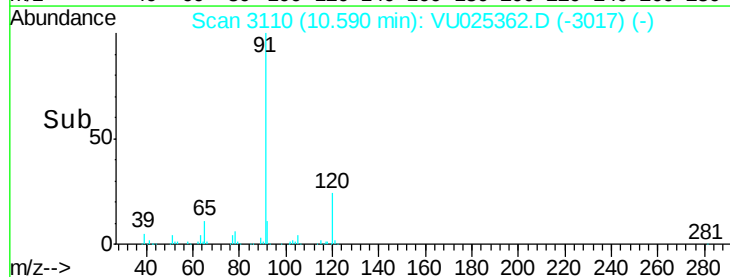


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 21.879 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

Tot Ion: 91 Resp: 139421

Ion Ratio Lower Upper

91 100

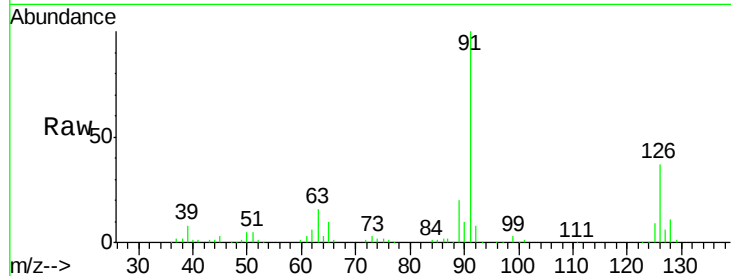
126 35.4 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

150000

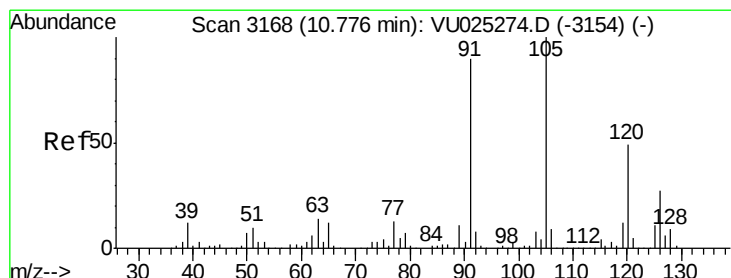
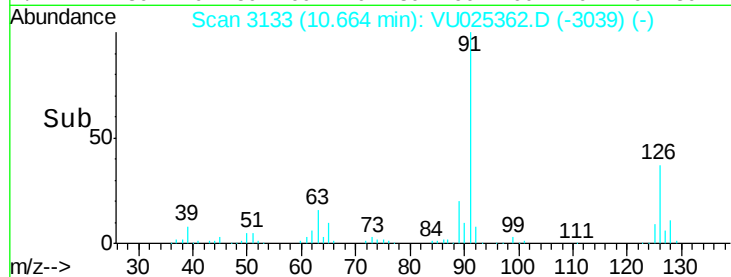
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.607 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025362.D

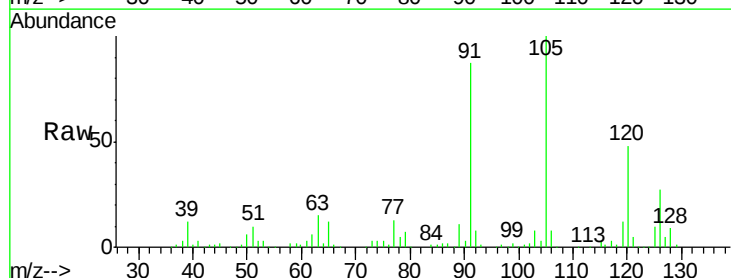
Acq: 13 Jul 2018 01:13

Tgt Ion: 105 Resp: 174069

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

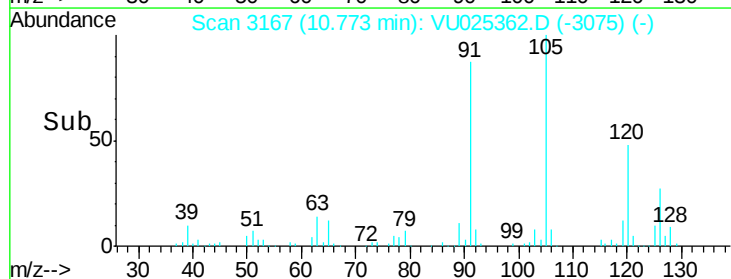
100000

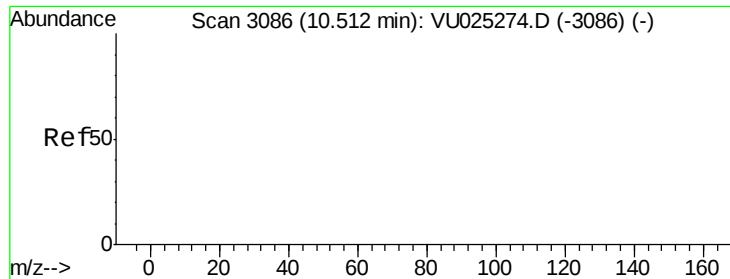
50000

0

10.70 10.75 10.80 10.85

Time-->





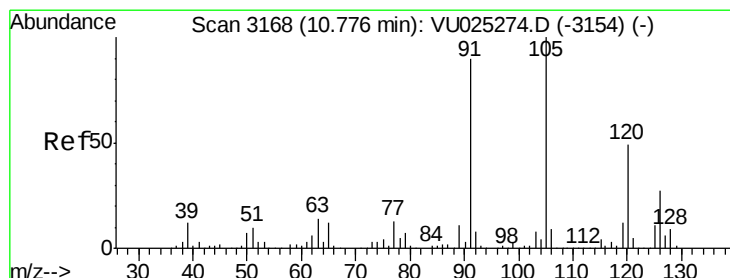
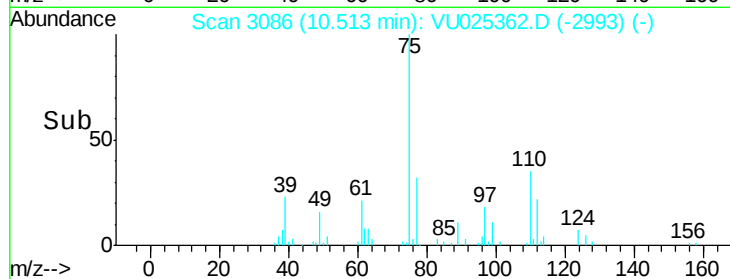
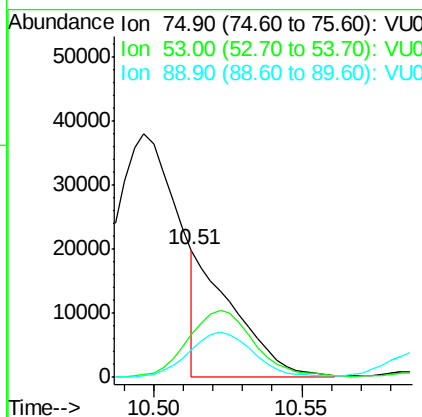
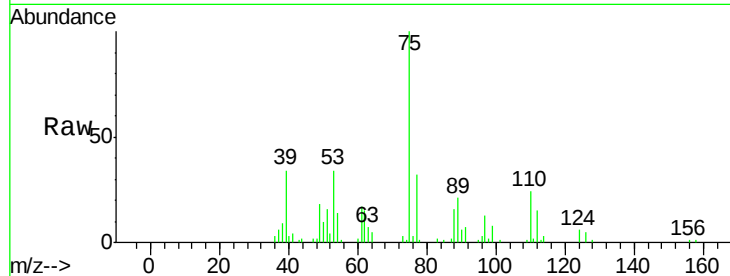
#81
trans-1,4-Dichloro-2-butene
Concen: 17.158 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

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

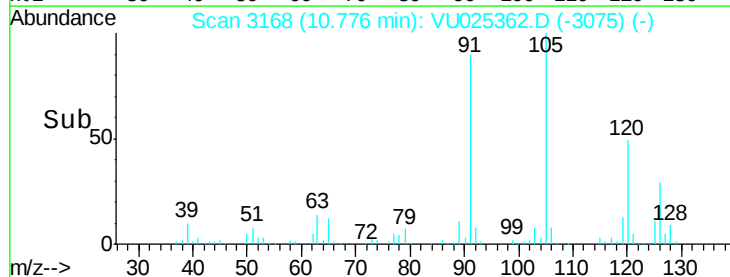
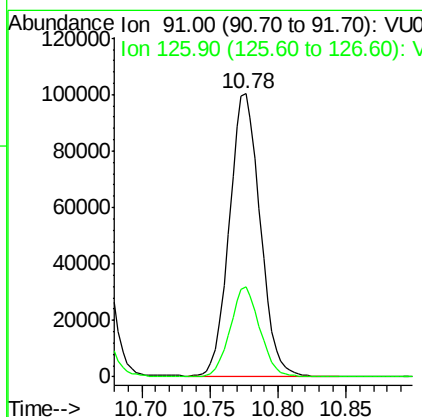
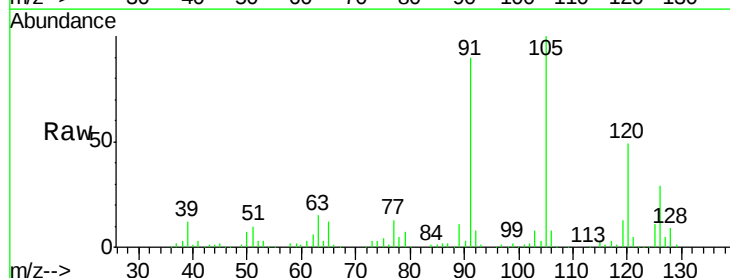
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#82
4-Chlorotoluene
Concen: 19.859 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





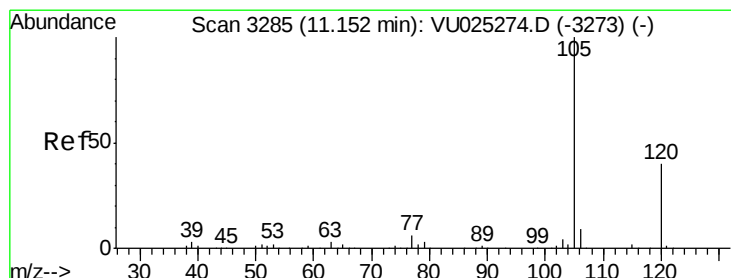
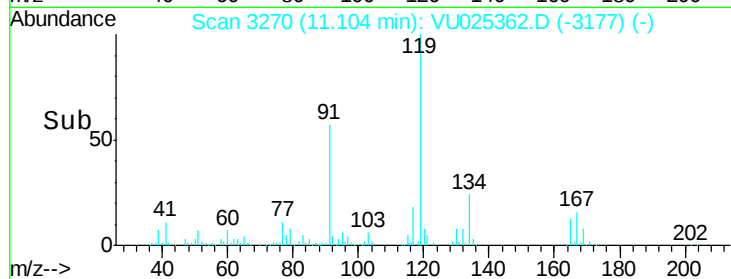
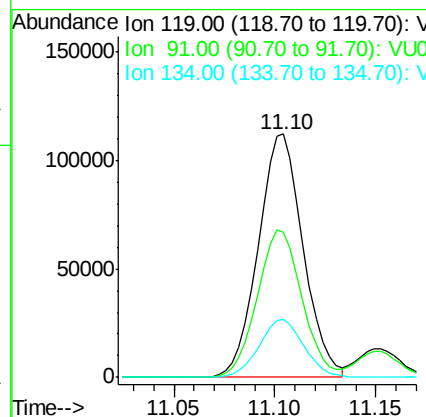
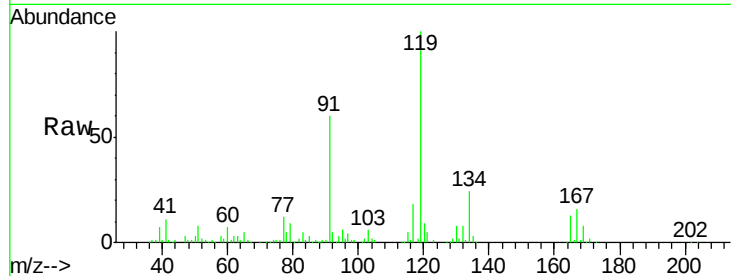
#83
 tert-Butylbenzene
 Concen: 20.417 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.7	89.1
134	23.7	11.5	34.5

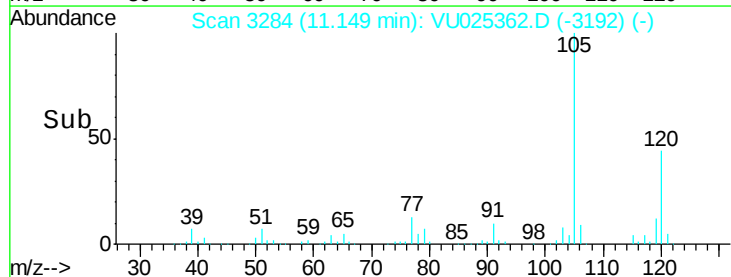
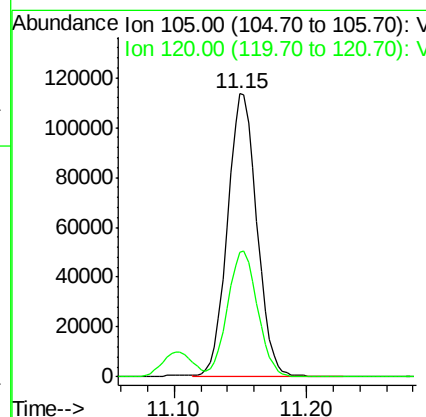
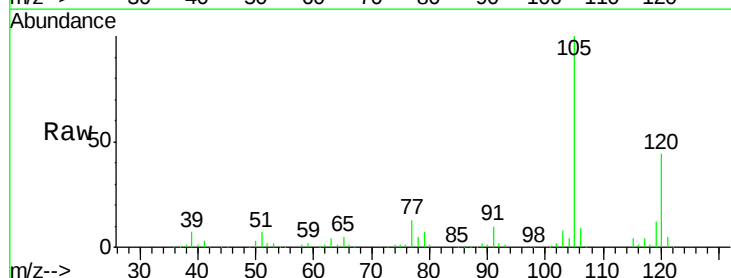
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.242 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.8





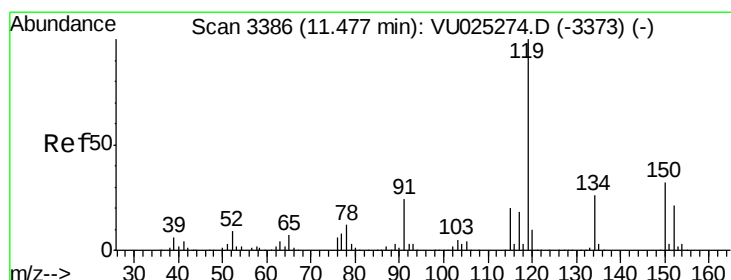
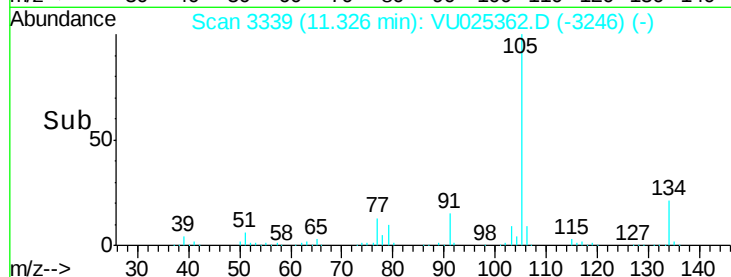
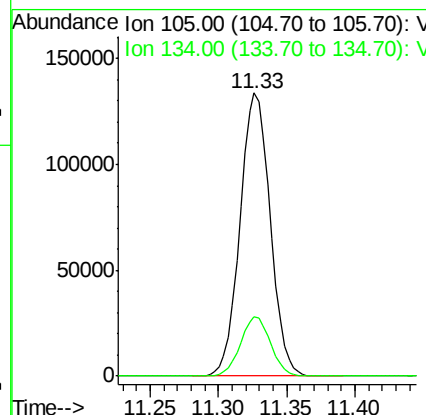
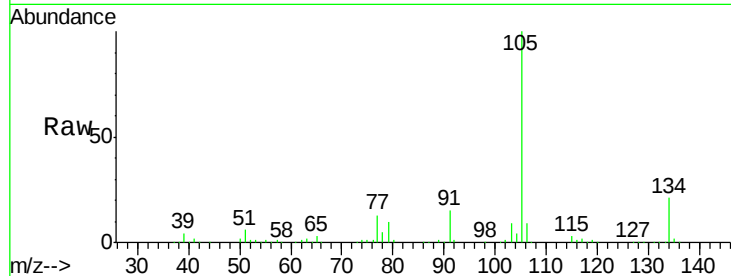
#85
 sec-Butylbenzene
 Concen: 20.431 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion:105 Resp: 205347
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8

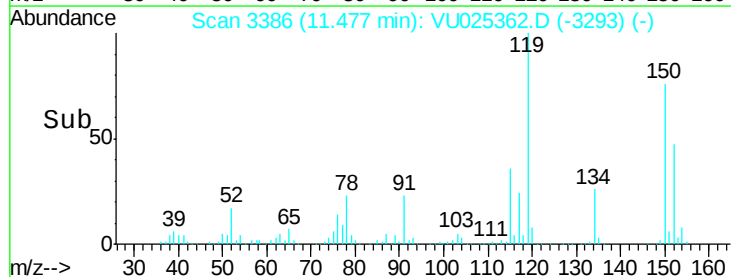
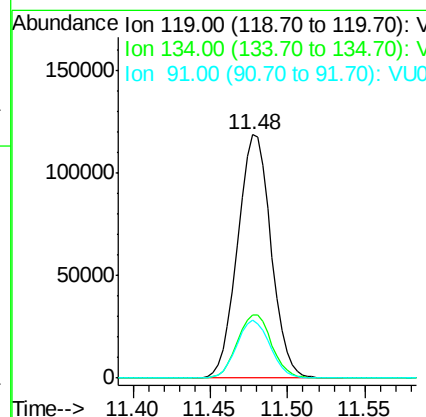
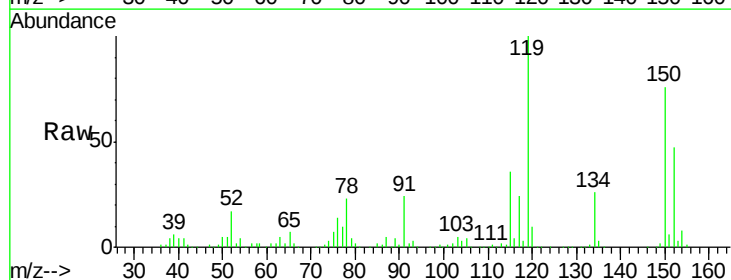
Manual Integrations
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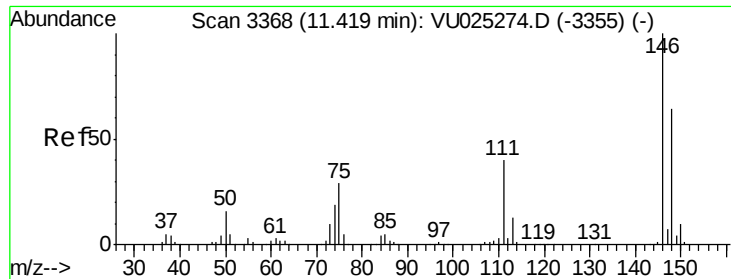
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#86
 p-Isopropyltoluene
 Concen: 20.014 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:119 Resp: 178111
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 23.9 12.0 36.1





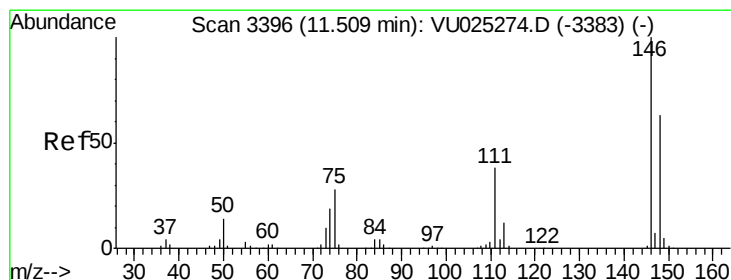
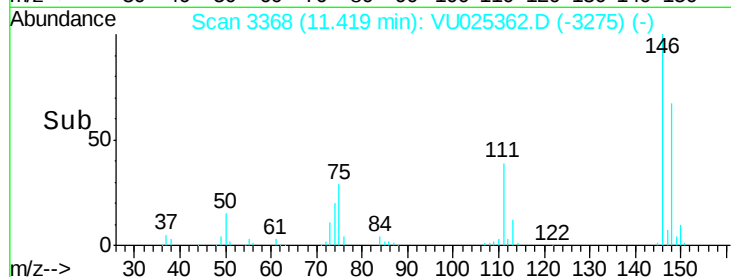
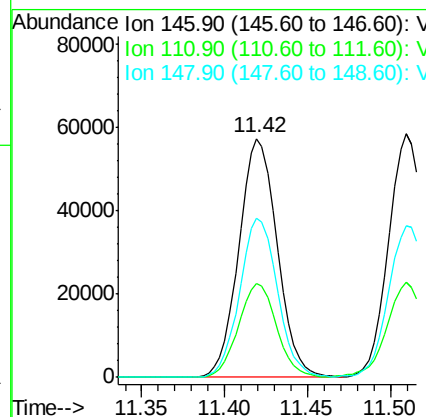
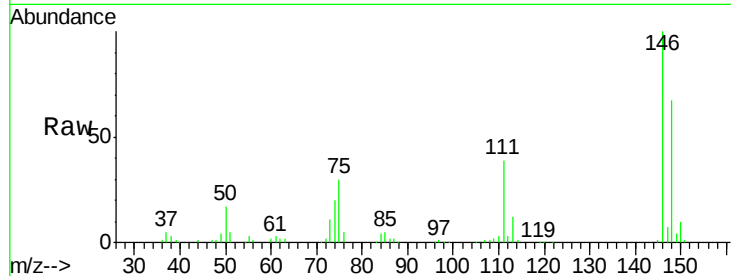
#87
 1,3-Dichlorobenzene
 Concen: 19.637 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	65.8	32.1	96.3

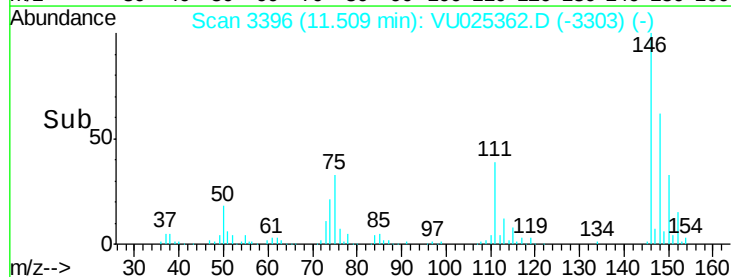
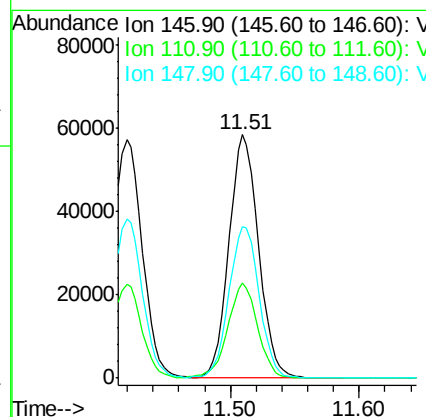
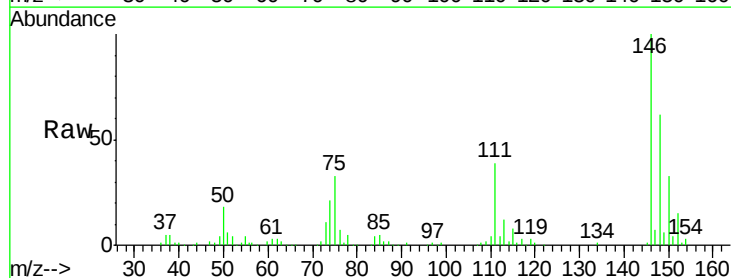
Manual Integrations
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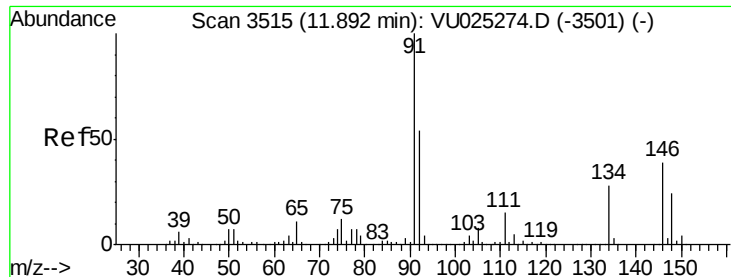
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#88
 1,4-Dichlorobenzene
 Concen: 21.167 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	63.8	31.7	95.1





#89

n-Butylbenzene

Concen: 18.567 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

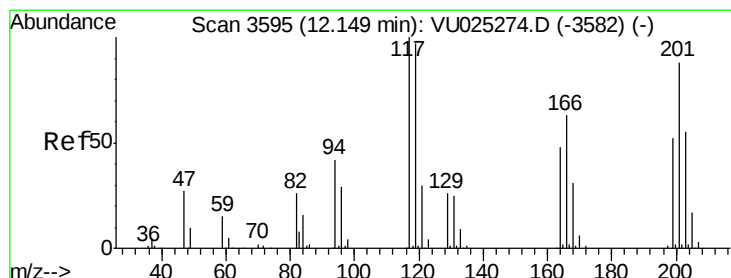
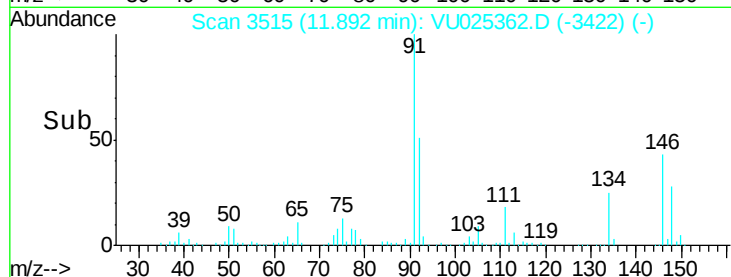
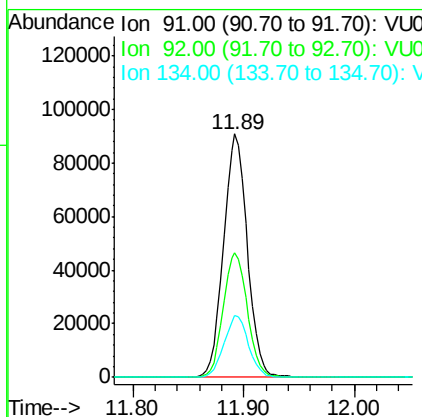
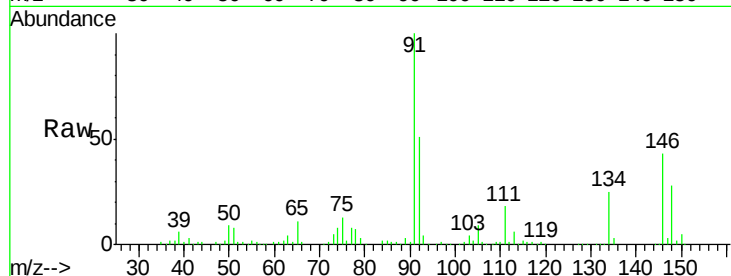
ClientSampleId :

VU0712WBSD03

Tot Ion:	91	Resp:	135832
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.5	79.5
134	26.0	13.6	40.7

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#90

Hexachloroethane

Concen: 19.501 ug/l

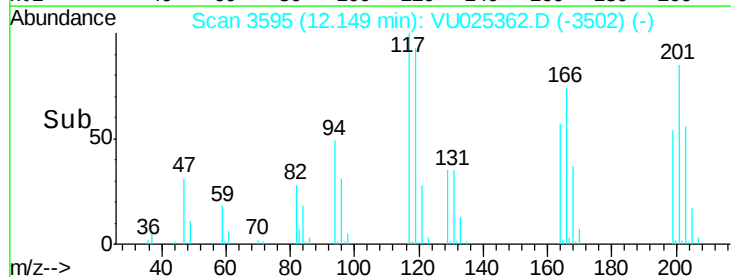
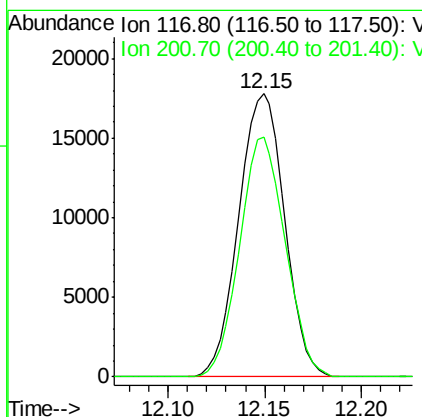
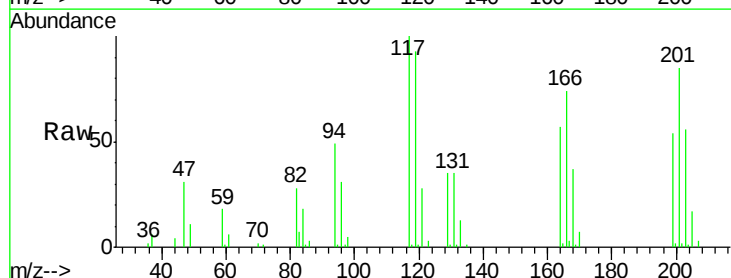
RT: 12.15 min Scan# 3595

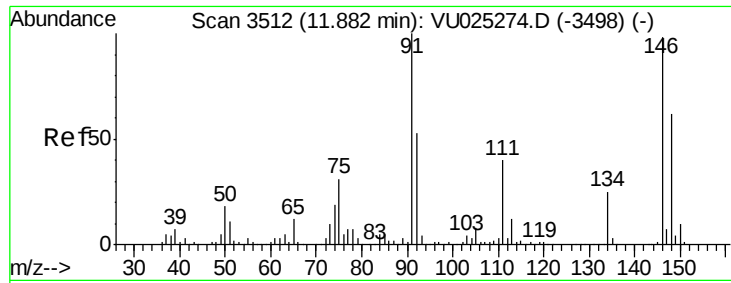
Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	117	Resp:	29387
Ion Ratio	Lower	Upper	
117	100		
201	84.2	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.332 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

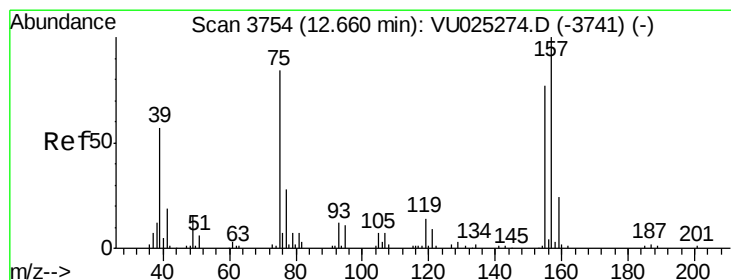
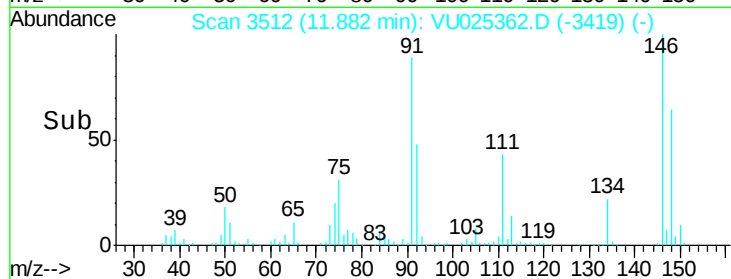
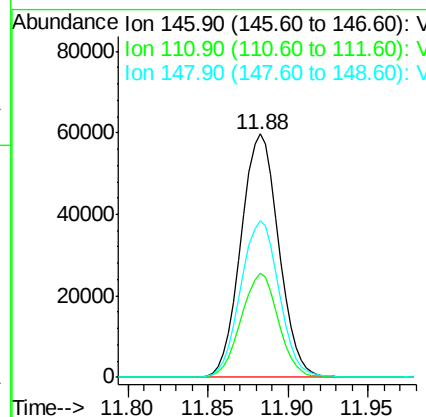
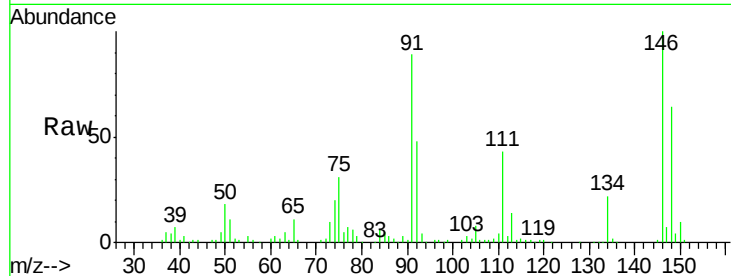
ClientSampleId :

VU0712WBSD03

Tot Ion:	146	Resp:	96377
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.6	61.8
148	65.4	31.5	94.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.199 ug/l

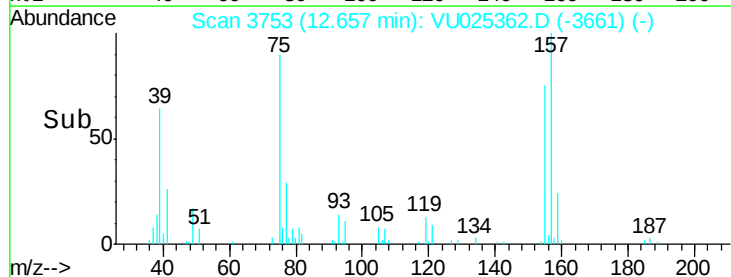
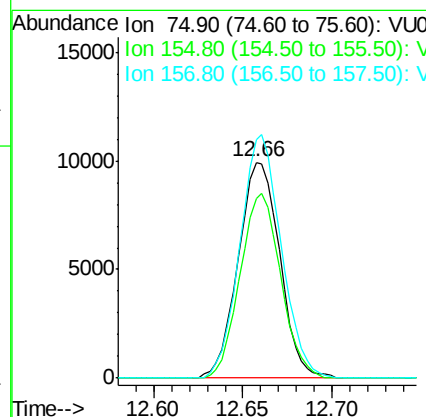
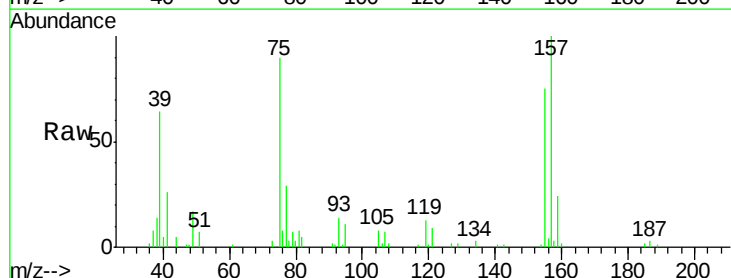
RT: 12.66 min Scan# 3753

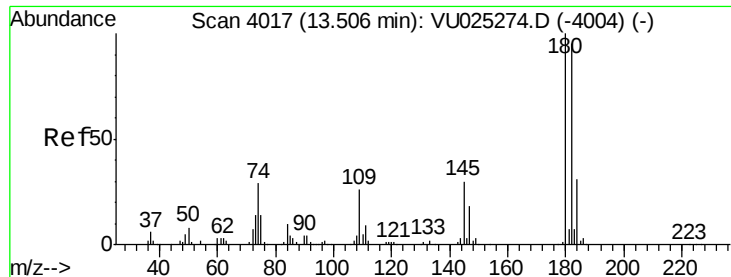
Delta R.T. -0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	75	Resp:	16090
Ion Ratio	Lower	Upper	
75	100		
155	83.8	44.5	133.3
157	111.6	57.0	170.8





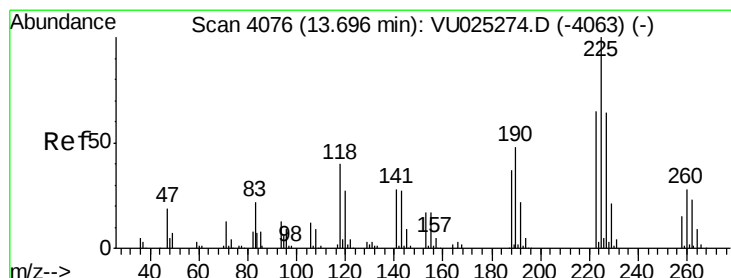
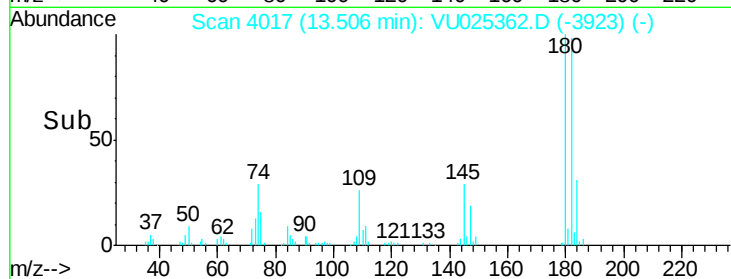
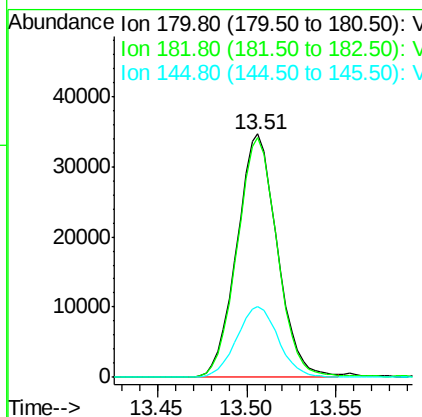
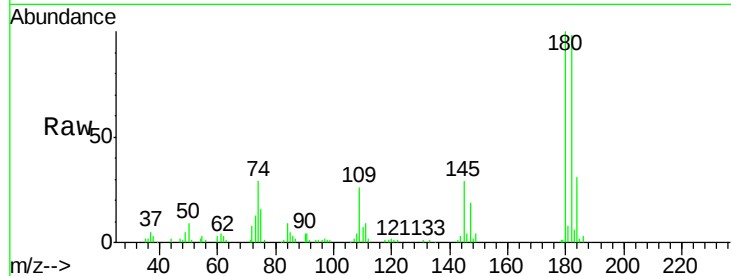
#93
 1,2,4-Trichlorobenzene
 Concen: 19.349 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion:	180	Resp:	54581
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.3	141.9
145	29.9	14.9	44.7

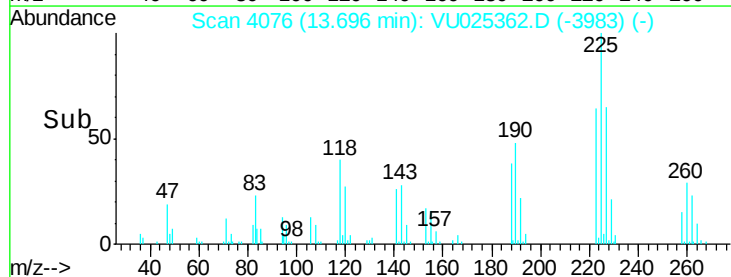
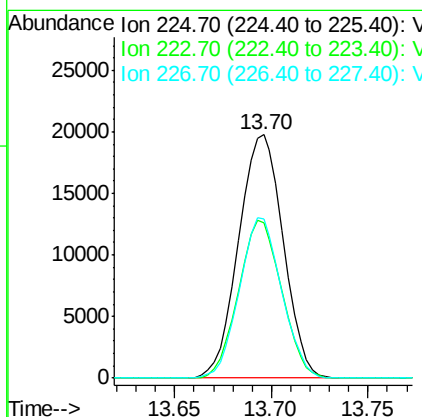
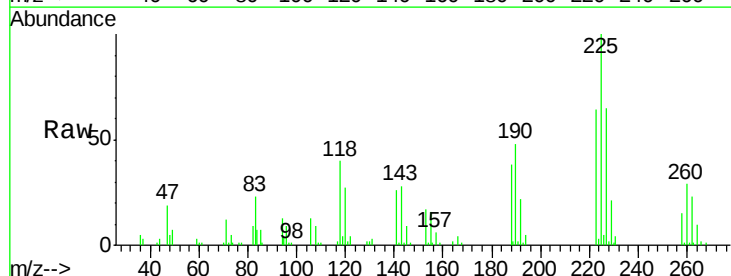
Manual Integrations
 APPROVED

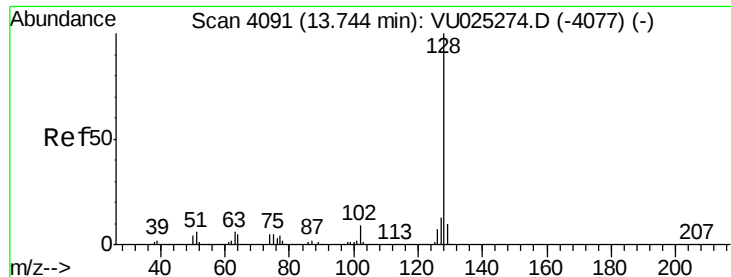
MMDadoda
 7/13/2018 11:44:21 AM



#94
 Hexachlorobutadiene
 Concen: 18.718 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:	225	Resp:	31734
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.9	95.7
227	62.4	32.3	96.9





#95

Naphthalene

Concen: 20.686 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

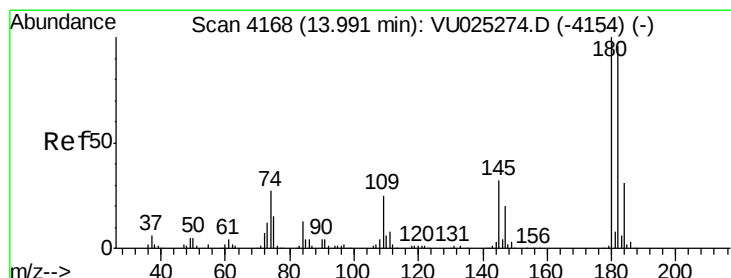
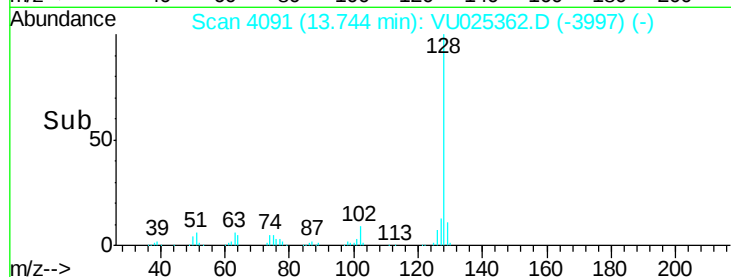
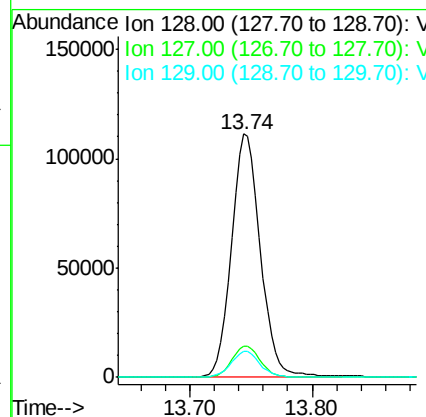
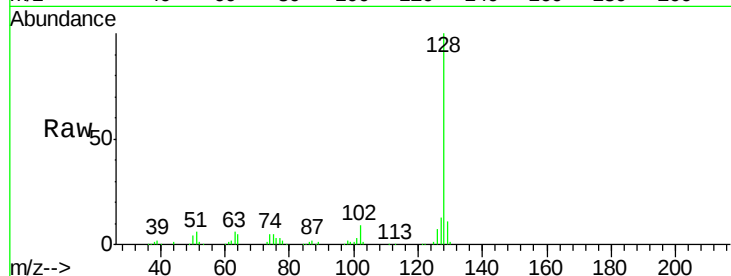
ClientSampleId :

VU0712WBSD03

Tot Ion:	128	Resp:	185214
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.174 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion:	180	Resp:	59895
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.8	143.3
145	31.3	15.6	46.8

