

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025302.D
 Acq On : 10 Jul 2018 20:33
 Operator : MD/SY
 Sample : J3905-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:58 PM

Quant Time: Jul 11 04:25:12 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	184881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289114	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133005	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.89	113	108942	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
50) Toluene-d8	7.57	98	350263	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
62) 4-Bromofluorobenzene	10.31	95	144892	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81825	42.77	ug/l	98
3) Chloromethane	1.33	50	93215	48.91	ug/l	100
4) Vinyl Chloride	1.40	62	98885	47.03	ug/l	98
5) Bromomethane	1.61	94	49284	45.43	ug/l	97
6) Chloroethane	1.69	64	66932	50.06	ug/l	98
7) Trichlorofluoromethane	1.88	101	149492	45.24	ug/l	97
8) Diethyl Ether	2.10	74	63464	51.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	91693	44.78	ug/l	99
10) Methyl Iodide	2.41	142	82839	38.28	ug/l	100
11) Tert butyl alcohol	2.83	59	172875	275.89	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88567	47.26	ug/l	95
13) Acrolein	2.19	56	67118	161.91	ug/l	99
14) Allyl chloride	2.59	41	154778	45.54	ug/l	99
15) Acrylonitrile	2.94	53	346386	268.88	ug/l	100
16) Acetone	2.32	43	327419	223.90	ug/l	100
17) Carbon Disulfide	2.48	76	234105	43.03	ug/l	99
18) Methyl Acetate	2.62	43	156294	53.15	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	379241	53.20	ug/l	100
20) Methylene Chloride	2.70	84	112565	50.65	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	100088	46.73	ug/l	98
22) Diisopropyl ether	3.57	45	357940	51.57	ug/l	95
23) Vinyl Acetate	3.53	43	1526377	250.68	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205748	52.56	ug/l	100
25) 2-Butanone	4.26	43	500453	251.37	ug/l	100
26) 2,2-Dichloropropane	4.23	77	156675	41.63	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	123581	49.87	ug/l	98
28) Bromochloromethane	4.55	49	95104	50.31	ug/l	100
29) Tetrahydrofuran	4.63	42	314932	263.73	ug/l	100
30) Chloroform	4.68	83	215692	52.03	ug/l	98
31) Cyclohexane	5.00	56	155072	42.85	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	190582	50.73	ug/l	99
36) 1,1-Dichloropropene	5.14	75	141994	44.18	ug/l	98
37) Ethyl Acetate	4.38	43	177790	49.60	ug/l	100
38) Carbon Tetrachloride	5.14	117	164716	47.61	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	158348	39.50	ug/l	97
40) Benzene	5.39	78	435039	46.97	ug/l	99
41) Methacrylonitrile	4.54	41	102071	51.36	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179576	48.77	ug/l	98
43) Isopropyl Acetate	5.55	43	284357	49.54	ug/l	99
44) Trichloroethene	6.19	130	119458	44.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	119049	49.07	ug/l	98
46) Dibromomethane	6.56	93	86201	48.82	ug/l	99
47) Bromodichloromethane	6.76	83	164498	50.16	ug/l	98
48) Methyl methacrylate	6.62	41	149784	52.34	ug/l	99
49) 1,4-Dioxane	6.61	88	67289	977.22	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	967861	259.42	ug/l	100
52) Toluene	7.64	92	278875	47.32	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	172753	47.94	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	182241	47.52	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121919	49.68	ug/l	97
56) Ethyl methacrylate	8.02	69	194369	50.71	ug/l	98
57) 1,3-Dichloropropane	8.25	76	203516	49.95	ug/l	99
59) 2-Hexanone	8.36	43	760226	251.21	ug/l	98
60) Dibromochloromethane	8.48	129	135703	51.20	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132144	50.32	ug/l	100
64) Tetrachloroethene	8.23	164	115295	46.74	ug/l	99
65) Chlorobenzene	9.12	112	328886	48.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	124492	51.48	ug/l	100
67) Ethyl Benzene	9.25	91	542586	47.08	ug/l	99
68) m/p-Xylenes	9.38	106	422554	94.83	ug/l	100
69) o-Xylene	9.78	106	216045	48.43	ug/l	99
70) Styrene	9.80	104	344073	48.56	ug/l	99
71) Bromoform	9.96	173	108180	46.61	ug/l #	99
73) Isopropylbenzene	10.17	105	558584	46.77	ug/l	99
74) N-amyl acetate	10.01	43	249676	51.05	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	204781	52.41	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	184926m	57.16	ug/l	
77) Bromobenzene	10.45	156	149367	48.89	ug/l	99
78) n-propylbenzene	10.59	91	622608	46.98	ug/l	100
79) 2-Chlorotoluene	10.66	91	387913	50.98	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	479811	47.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	57395m	46.09	ug/l	
82) 4-Chlorotoluene	10.78	91	441662	47.07	ug/l	100
83) tert-Butylbenzene	11.10	119	481042	47.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492487	47.82	ug/l	99
85) sec-Butylbenzene	11.33	105	560701	46.90	ug/l	100
86) p-Isopropyltoluene	11.48	119	500834	47.31	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263077	47.12	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	260817	47.89	ug/l	98
89) n-Butylbenzene	11.89	91	390884	44.91	ug/l	100
90) Hexachloroethane	12.15	117	83522	46.59	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	279341	49.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51724	54.58	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	165151	44.15	ug/l	98

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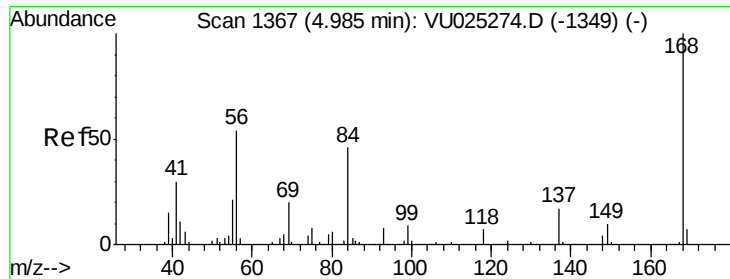
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	86884	43.08	ug/l	99
95) Naphthalene	13.74	128	581754	50.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180024	47.11	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion:168 Resp: 184881

Ion Ratio Lower Upper

168 100

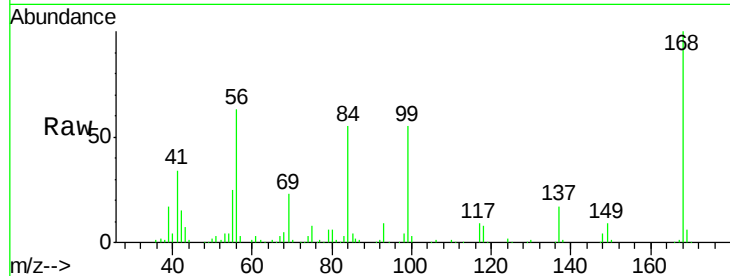
99 54.8 42.8 64.2

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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

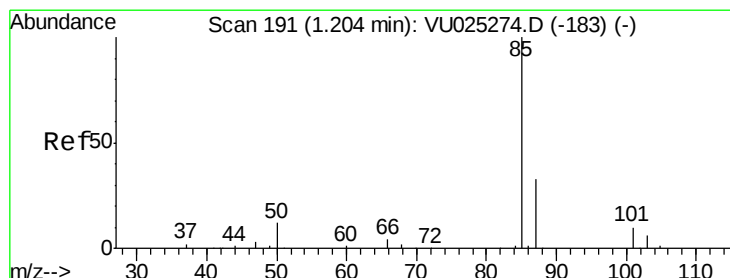
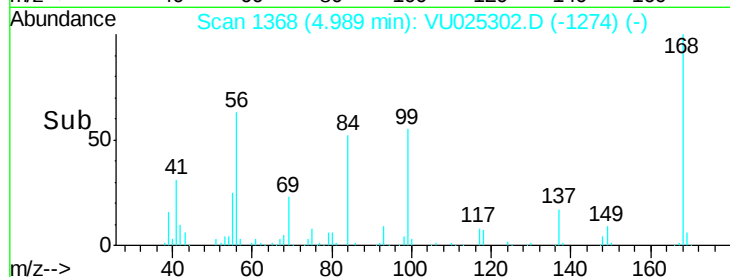
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025302.D

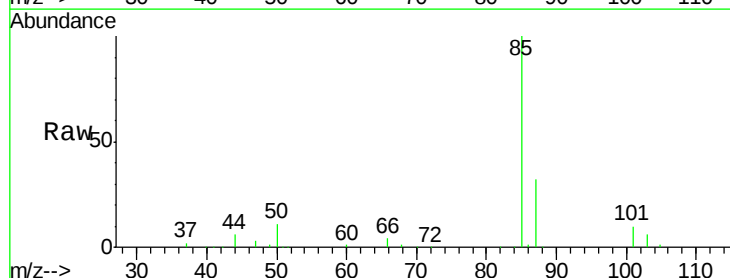
Acq: 10 Jul 2018 20:33

Tgt Ion: 85 Resp: 81825

Ion Ratio Lower Upper

85 100

87 31.8 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

80000

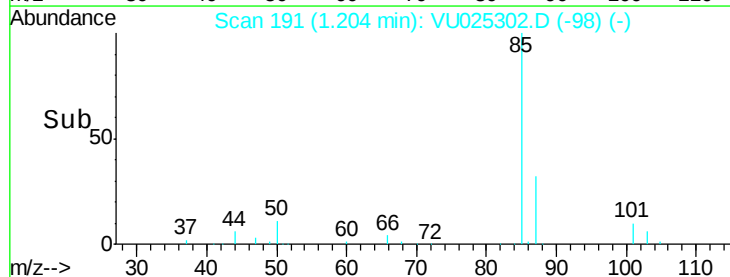
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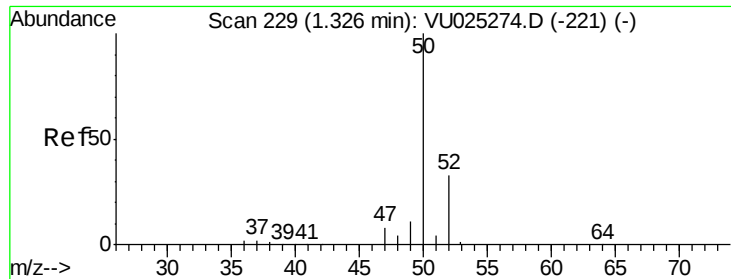
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.91 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion: 50 Resp: 93215

Ion Ratio Lower Upper

50 100

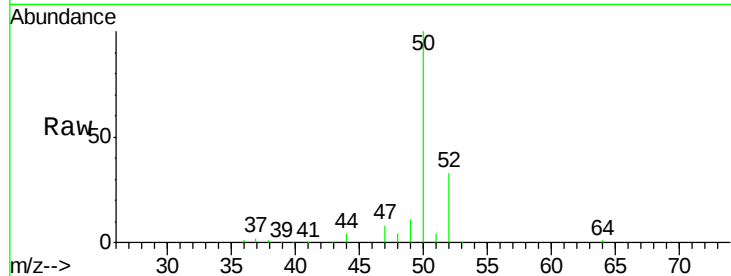
52 33.0 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

60000

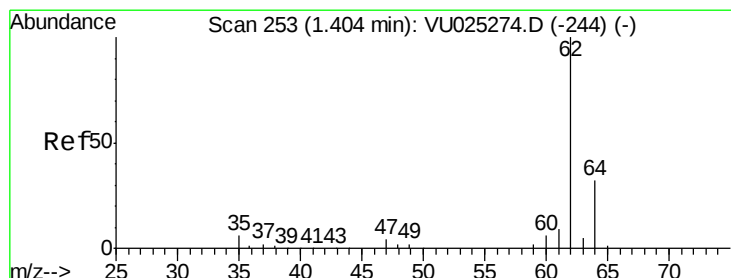
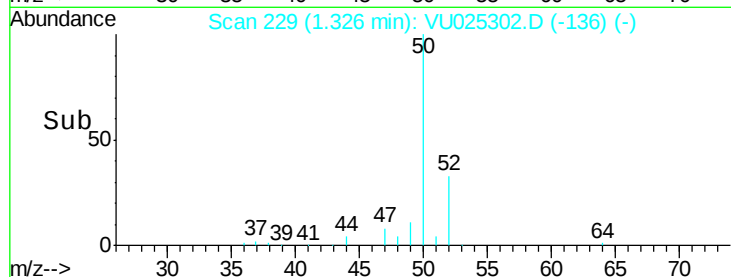
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 47.03 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025302.D

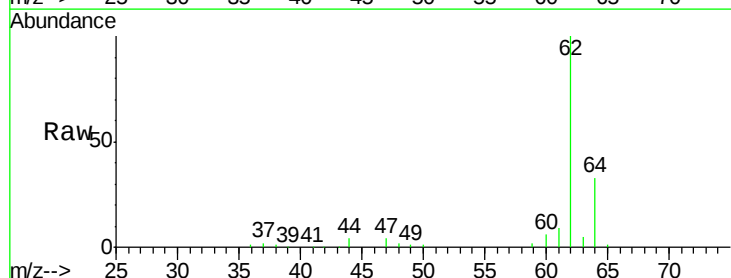
Acq: 10 Jul 2018 20:33

Tgt Ion: 62 Resp: 98885

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

60000

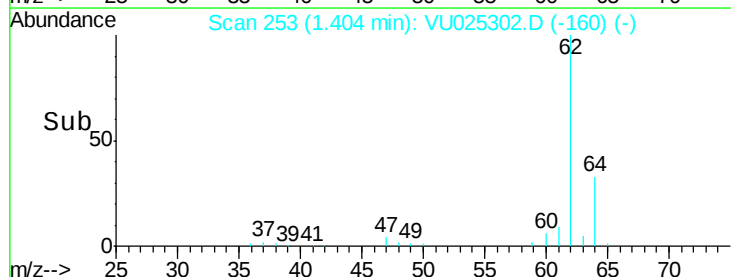
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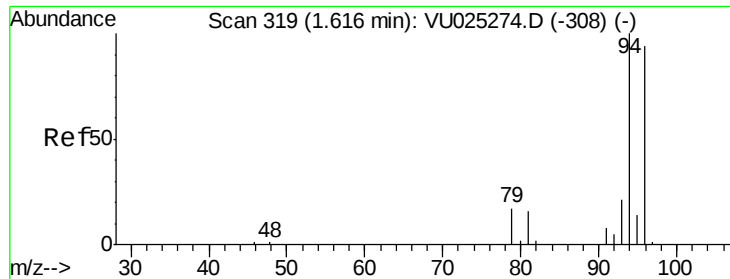
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 45.43 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion: 94 Resp: 49284

Ion Ratio Lower Upper

94 100

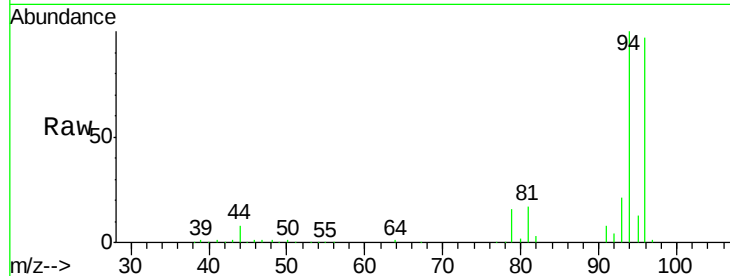
96 96.5 75.0 112.4

Manual Integrations

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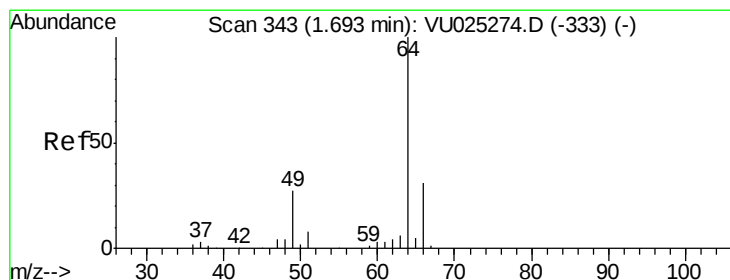
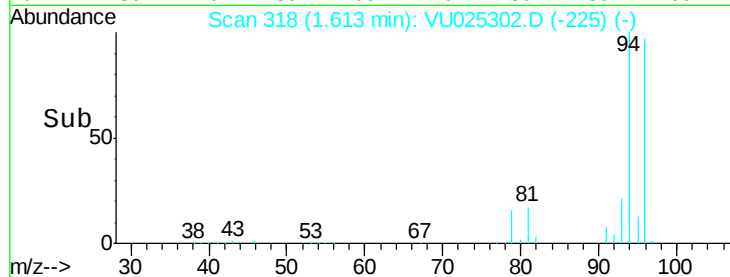
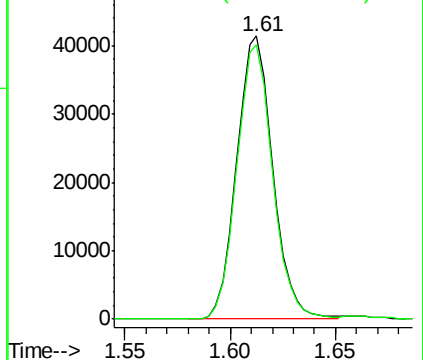
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.06 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025302.D

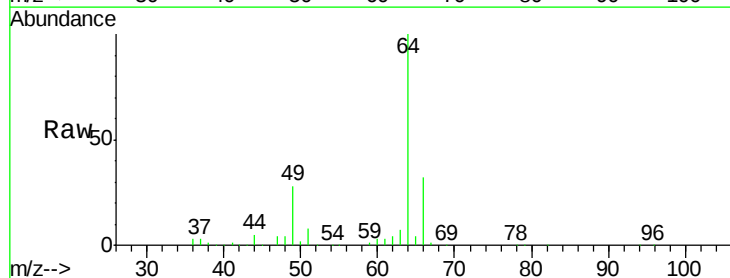
Acq: 10 Jul 2018 20:33

Tgt Ion: 64 Resp: 66932

Ion Ratio Lower Upper

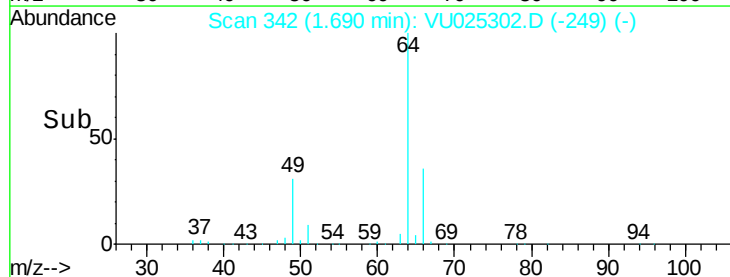
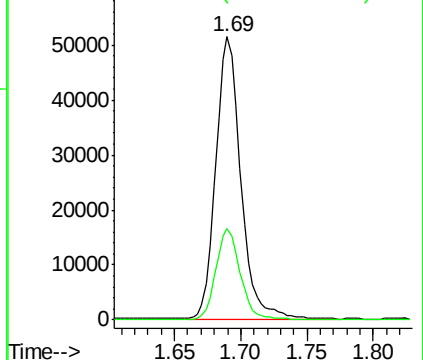
64 100

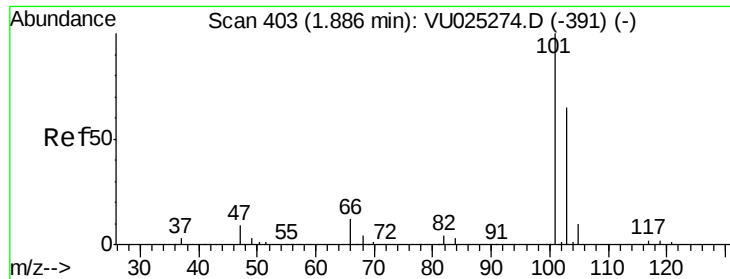
66 32.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 45.24 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

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Tot Ion:101 Resp: 149492

Ion Ratio Lower Upper

101 100

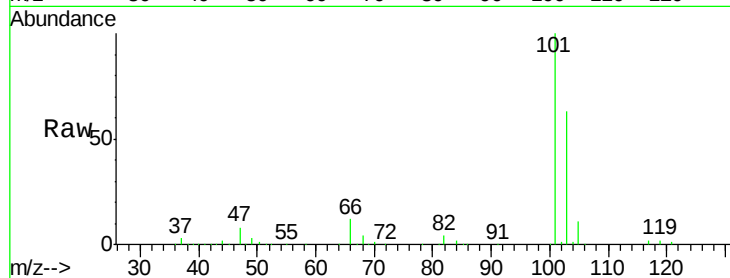
103 62.7 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

120000

100000

80000

60000

40000

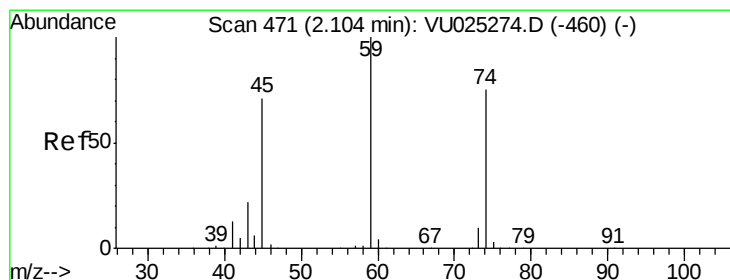
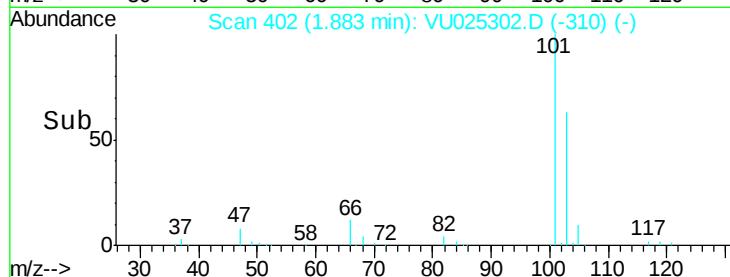
20000

0

1.88

1.85 1.90 1.95 2.00

Time-->



#8

Diethyl Ether

Concen: 51.18 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025302.D

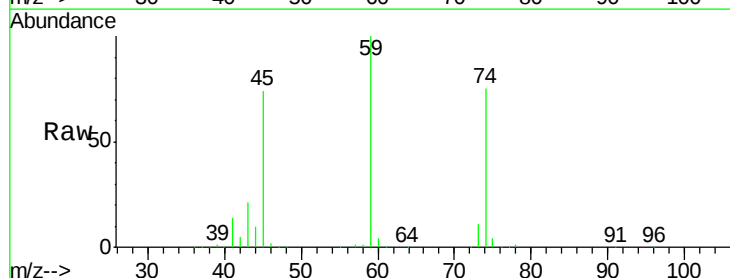
Acq: 10 Jul 2018 20:33

Tgt Ion: 74 Resp: 63464

Ion Ratio Lower Upper

74 100

45 98.9 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

50000

40000

30000

20000

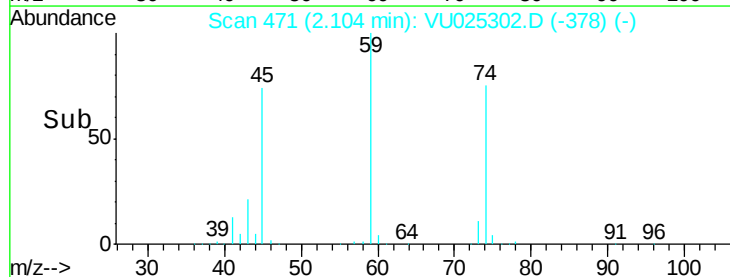
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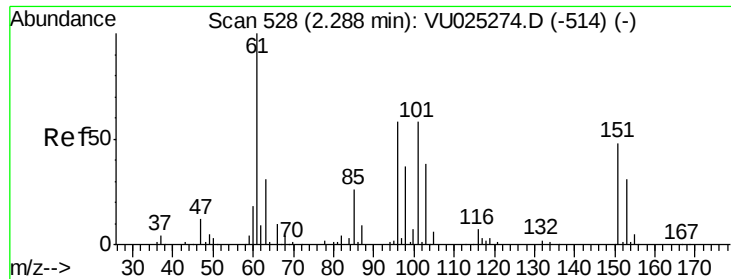
0

2.10

2.05 2.15 2.20

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.78 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025302.D

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Instrument :

MSVOA_U

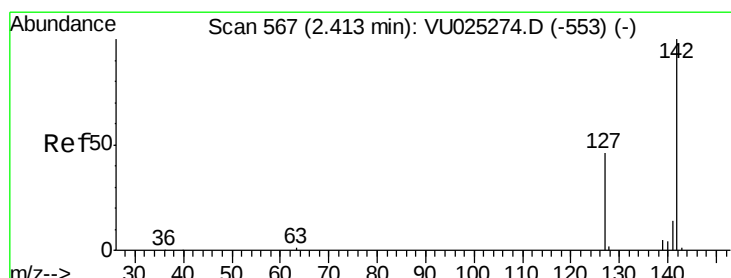
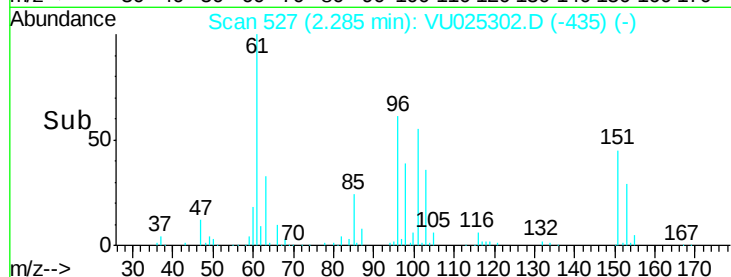
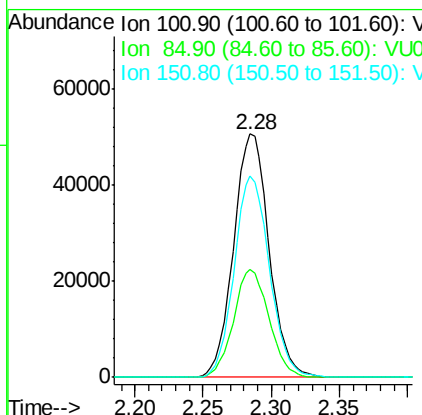
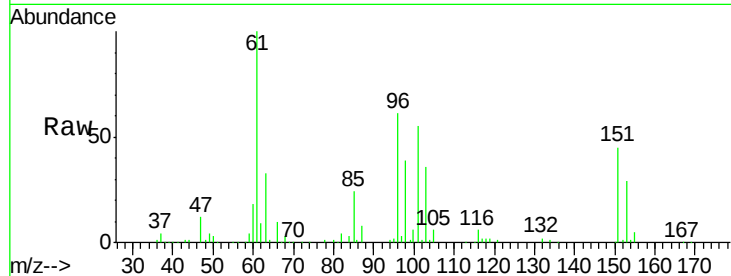
ClientSampleId :

BR-1-070518MS

Tot Ion:	101	Resp:	91693
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	82.1	65.6	98.4

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#10

Methyl Iodide

Concen: 38.28 ug/l

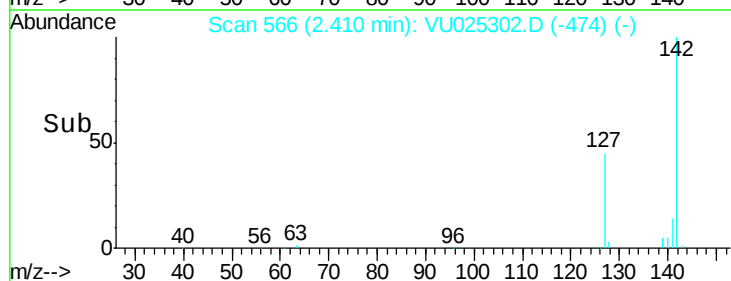
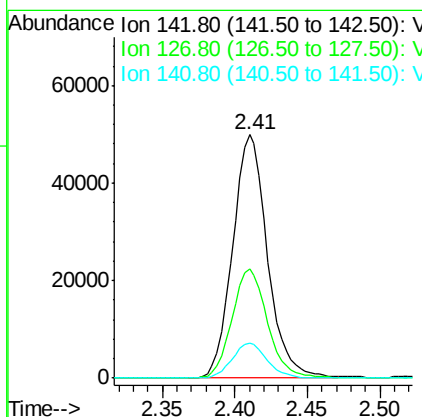
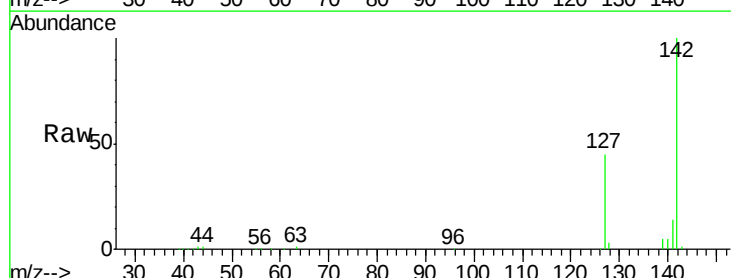
RT: 2.41 min Scan# 566

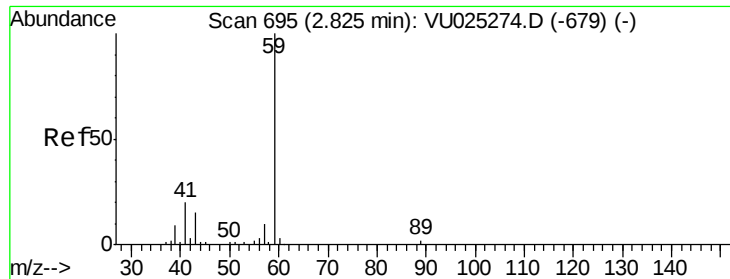
Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion:	142	Resp:	82839
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.5	54.7
141	14.5	11.4	17.2





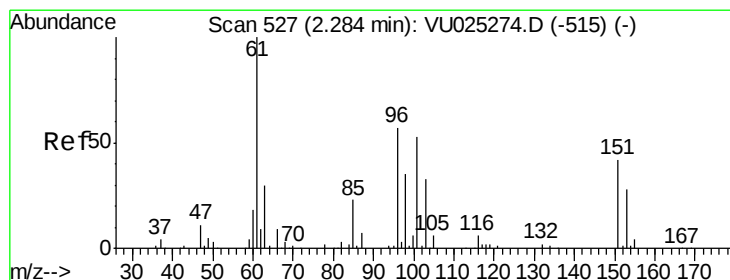
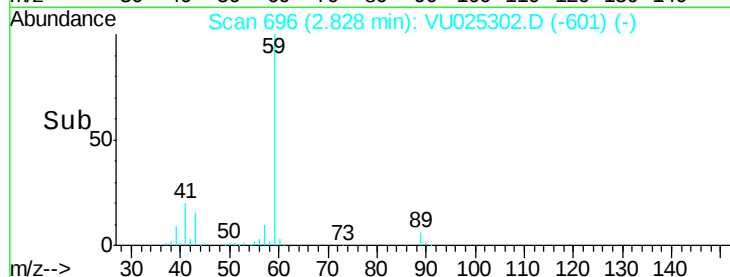
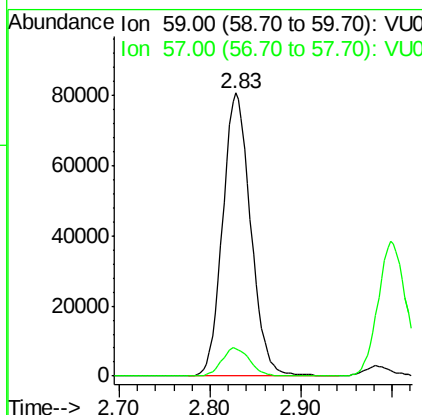
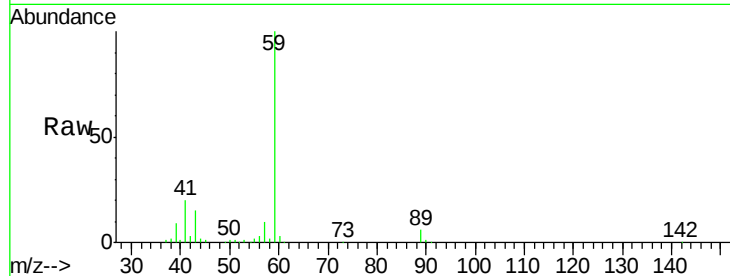
#11
Tert butyl alcohol
Concen: 275.89 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	172875		
57	9.9		8.2	12.2

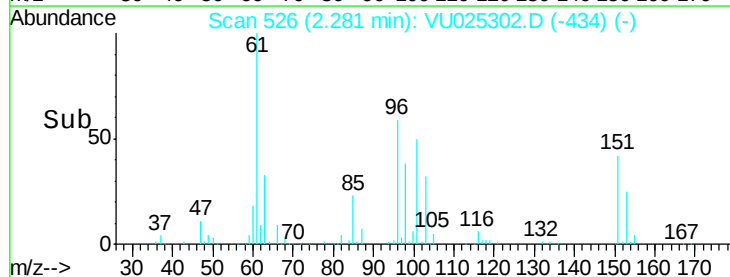
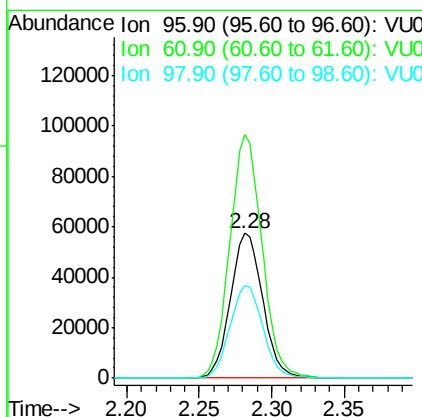
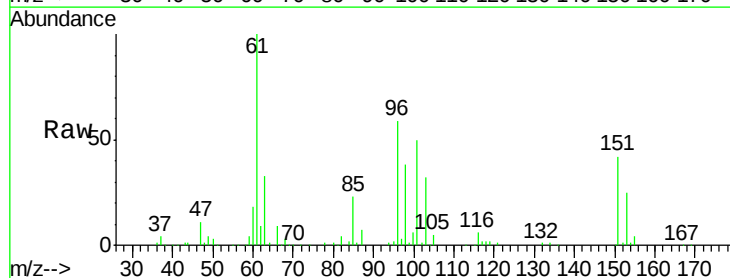
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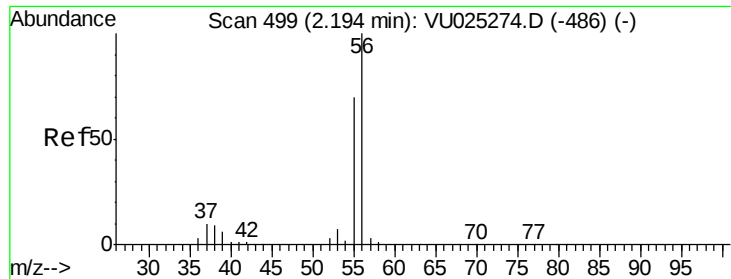
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.26 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88567		
61	168.4		140.2	210.4
98	64.4		49.3	73.9





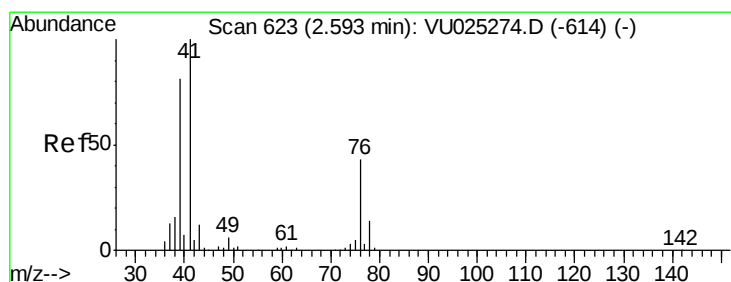
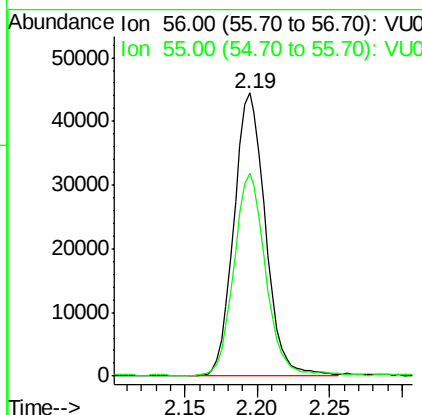
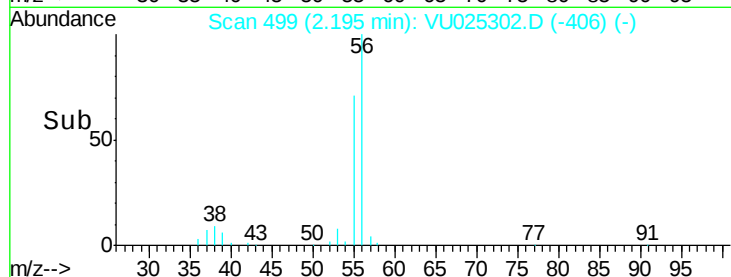
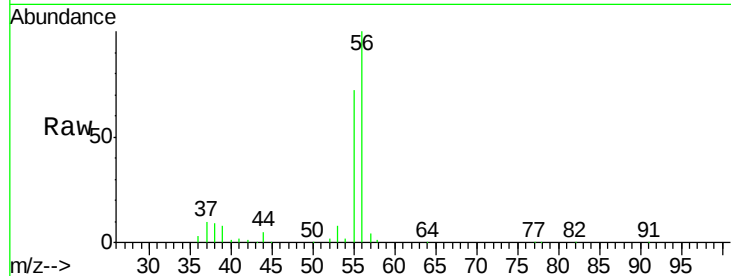
#13
 Acrolein
 Concen: 161.91 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	56	55	Resp	Lower	Upper
67118	100	70.4		57.2	85.8

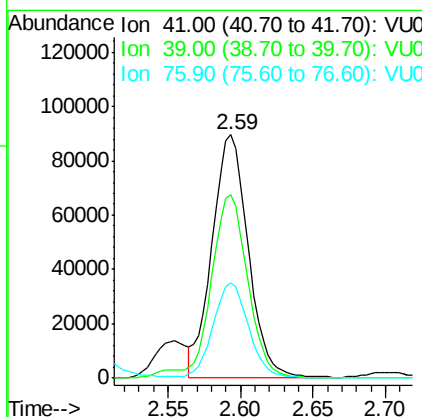
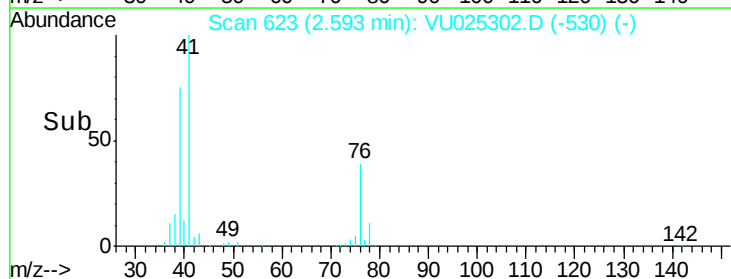
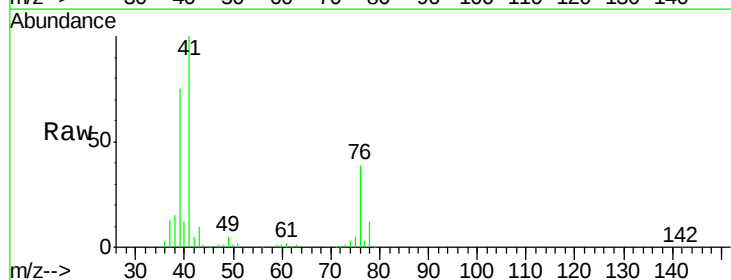
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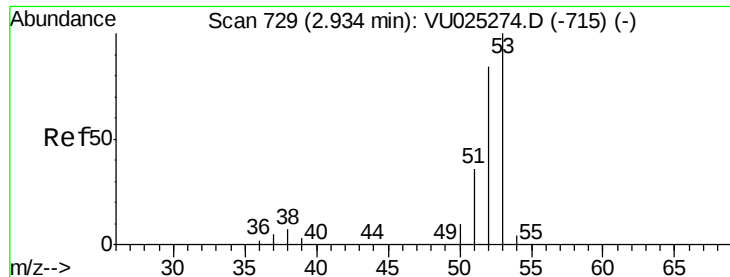
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#14
 Allyl chloride
 Concen: 45.54 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	41	39	76	Resp	Lower	Upper
154778	100	77.2	38.4		60.6	91.0





#15

Acrylonitrile

Concen: 268.88 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

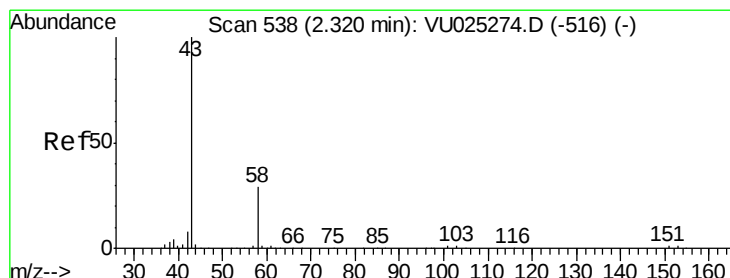
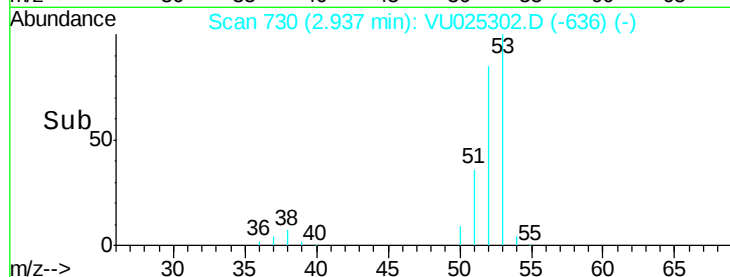
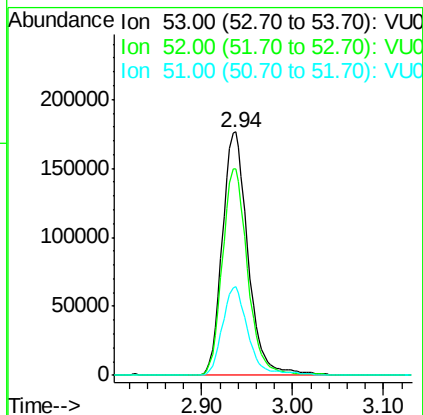
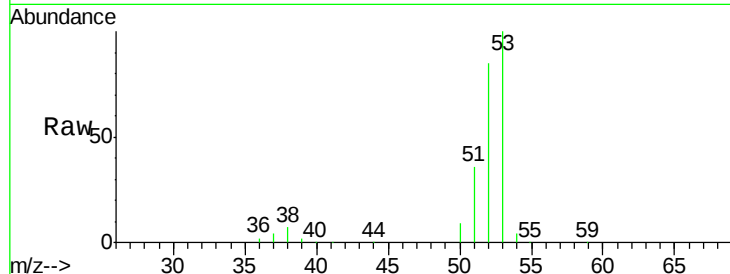
ClientSampleId :

BR-1-070518MS

Tot Ion:	53	Resp:	346386
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	36.5	29.4	44.2

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#16

Acetone

Concen: 223.90 ug/l

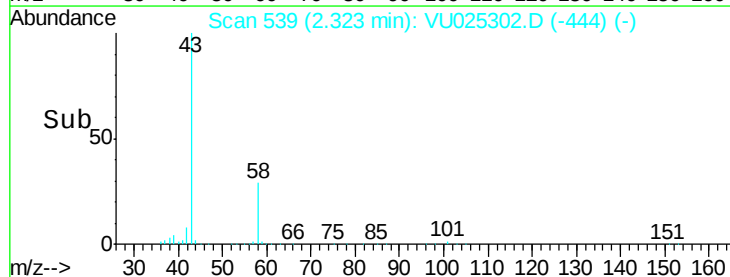
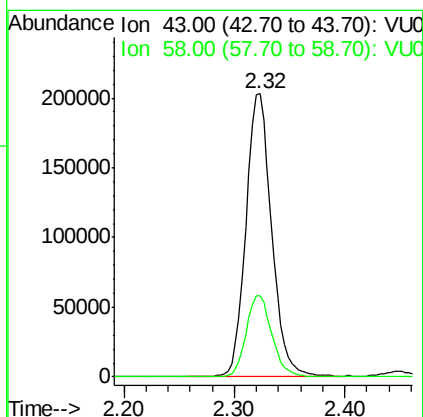
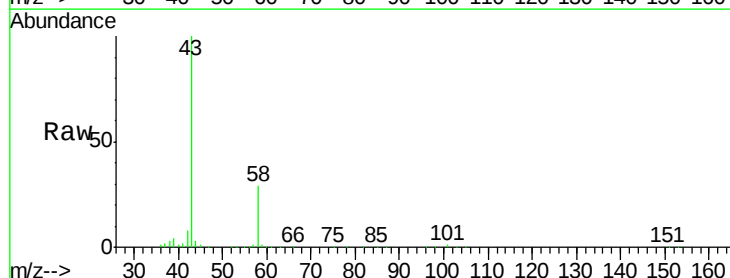
RT: 2.32 min Scan# 539

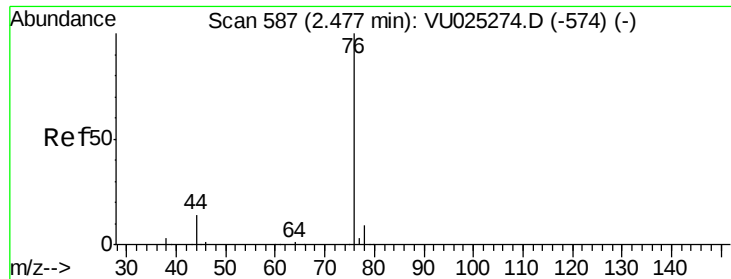
Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion:	43	Resp:	327419
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





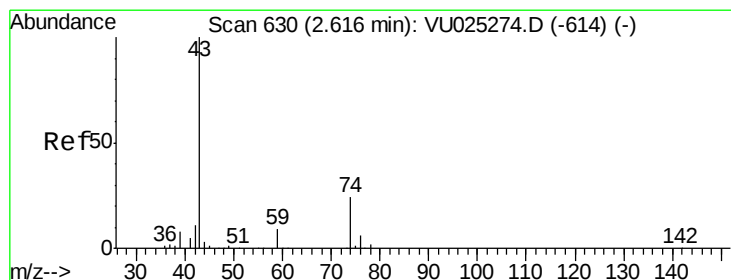
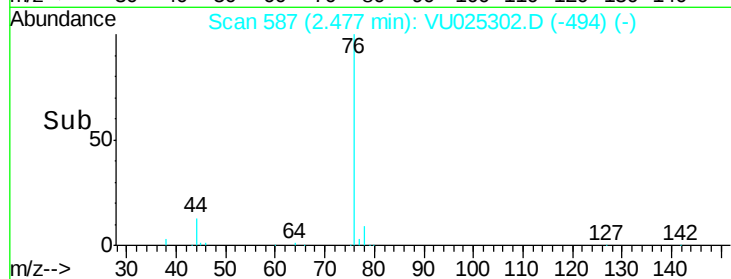
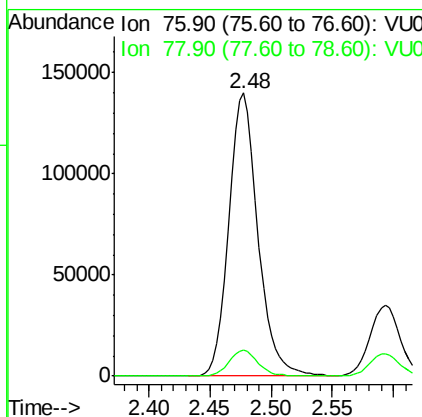
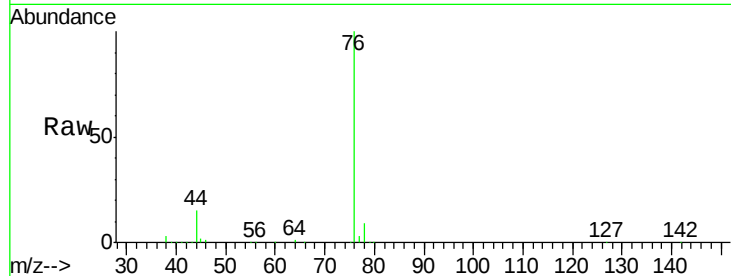
#17
Carbon Disulfide
Concen: 43.03 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

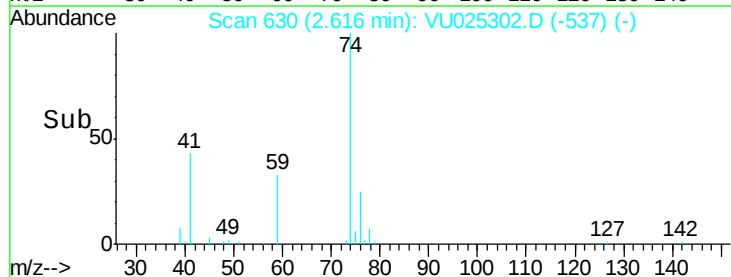
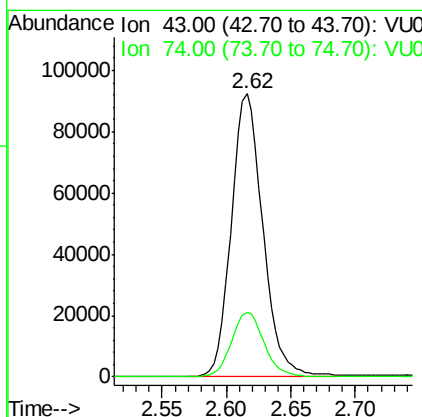
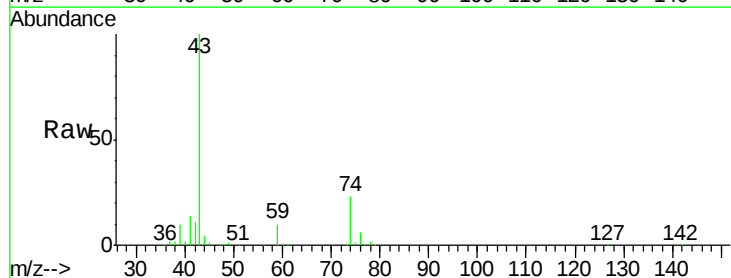
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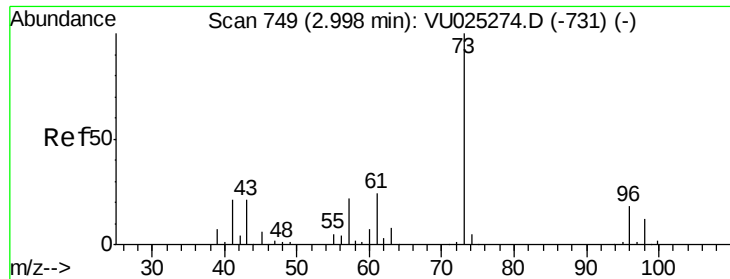
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#18
Methyl Acetate
Concen: 53.15 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





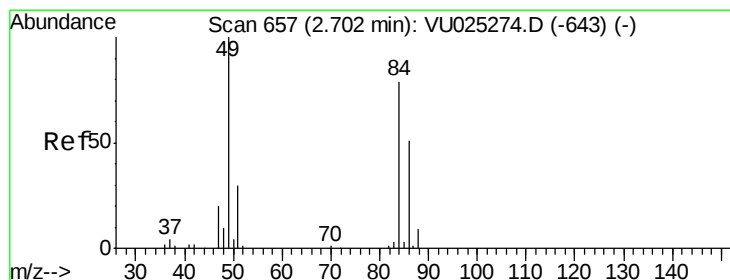
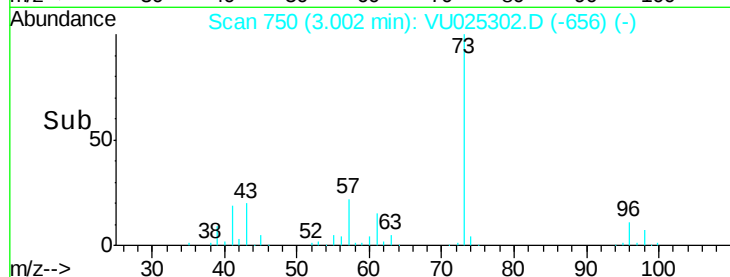
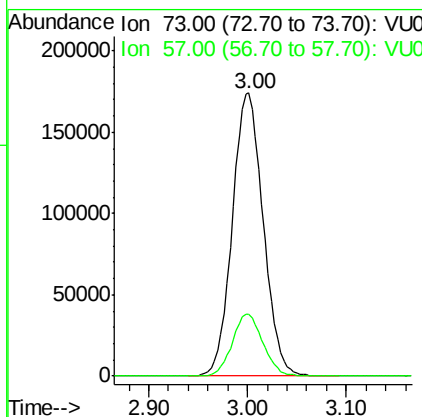
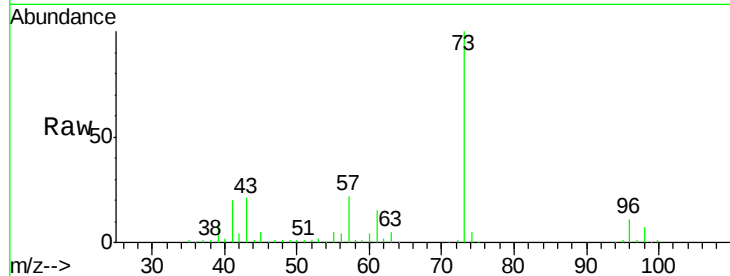
#19
Methvl tert-butvl Ether
Concen: 53.20 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 73 Resp: 379241
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2

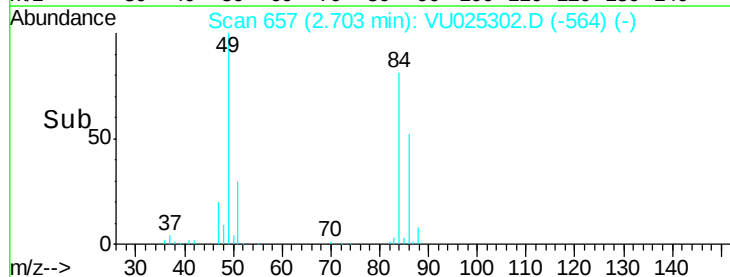
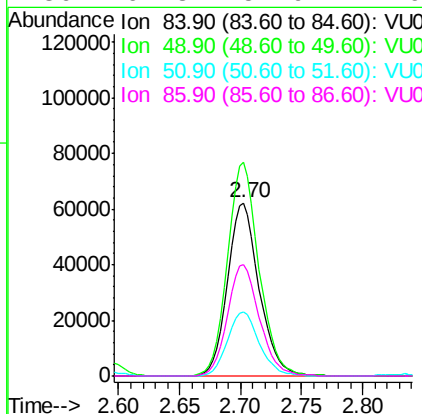
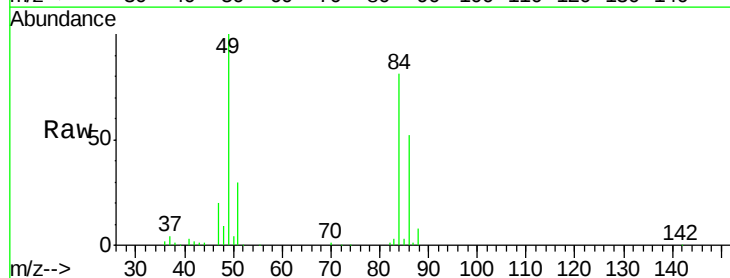
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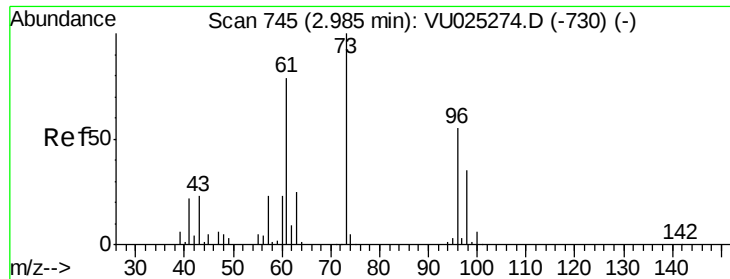
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#20
Methylene Chloride
Concen: 50.65 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 84 Resp: 112565
Ion Ratio Lower Upper
84 100
49 123.4 101.8 152.6
51 37.2 30.8 46.2
86 64.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.73 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion: 96 Resp: 100088

Ion Ratio Lower Upper

96 100

61 141.9 114.5 171.7

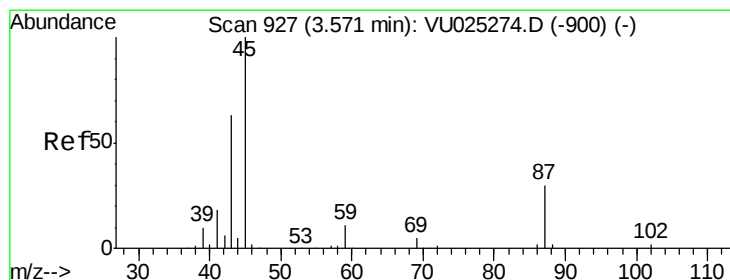
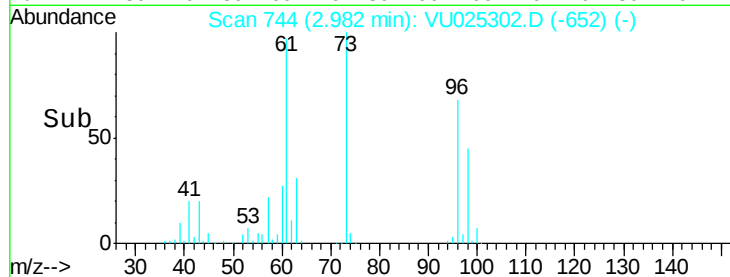
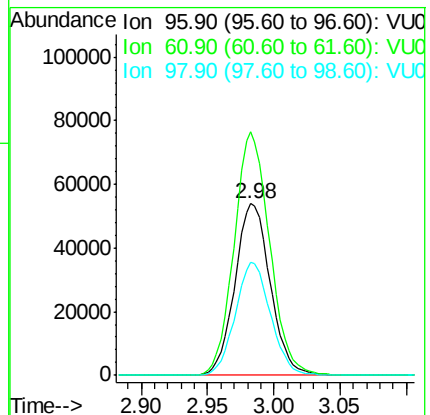
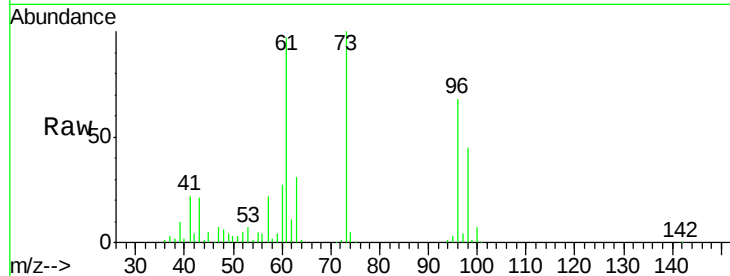
98 65.7 50.5 75.7

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#22

Diisopropyl ether

Concen: 51.57 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion: 45 Resp: 357940

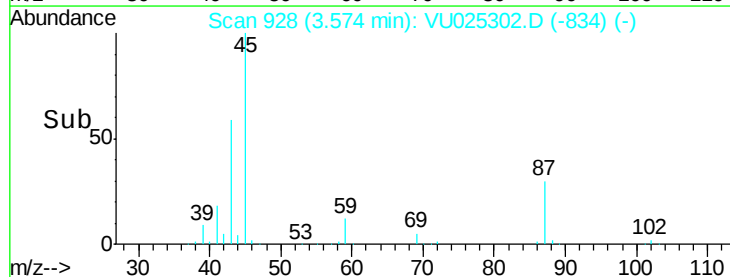
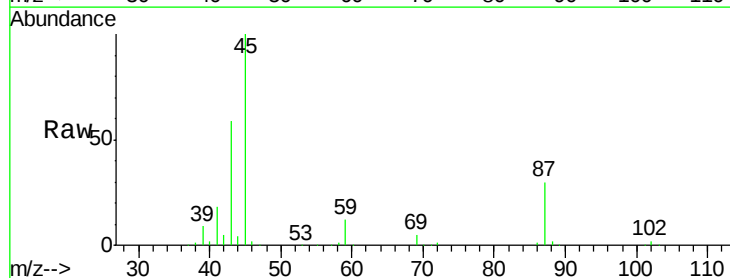
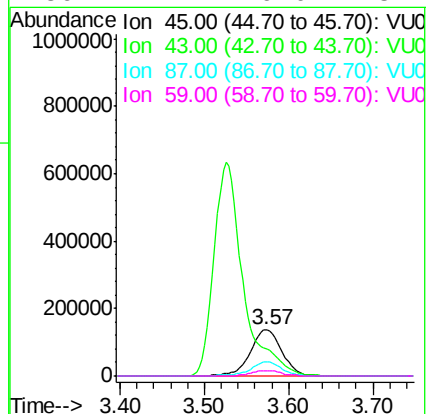
Ion Ratio Lower Upper

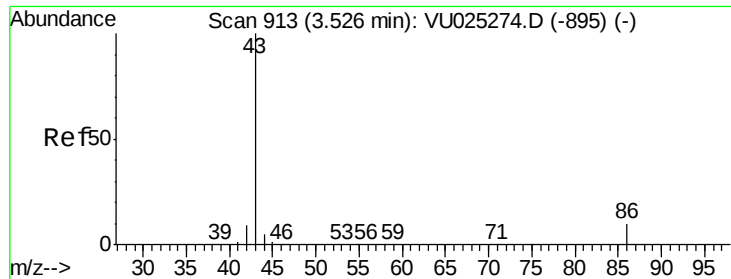
45 100

43 57.7 50.9 76.3

87 29.9 23.8 35.8

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 250.68 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tot Ion: 43 Resp: 1526377

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

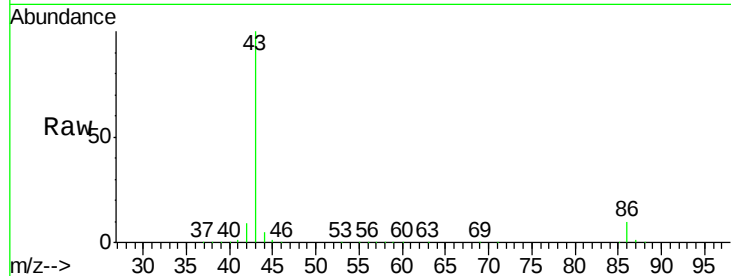
BR-1-070518MS

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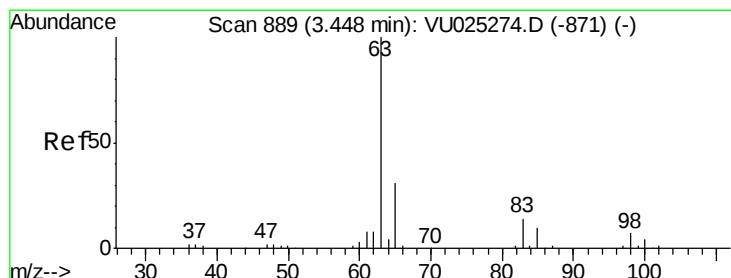
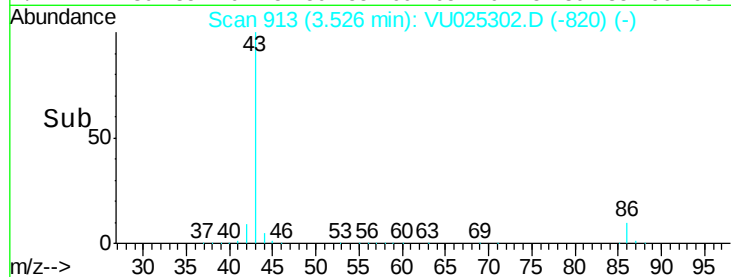
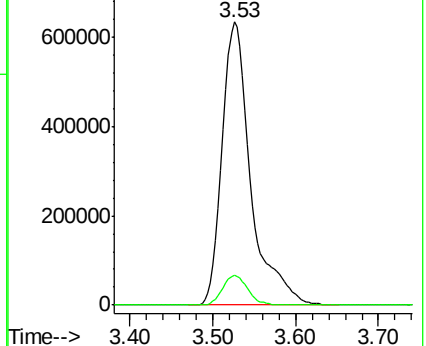
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 52.56 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

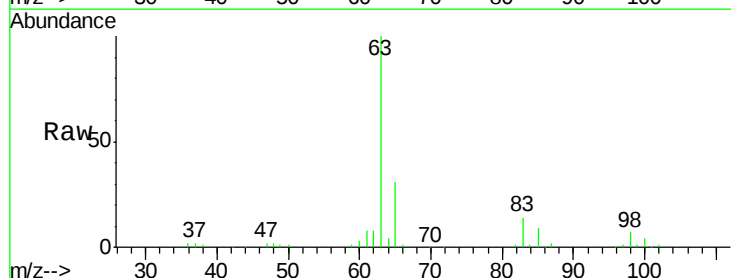
Tgt Ion: 63 Resp: 205748

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

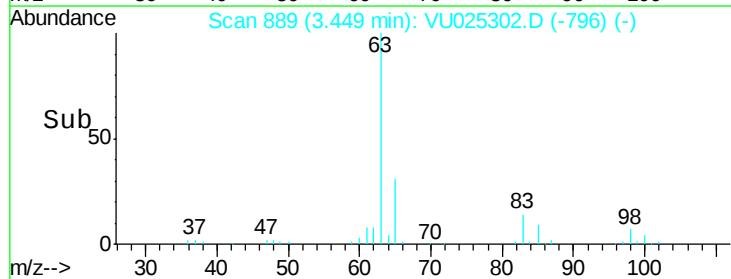
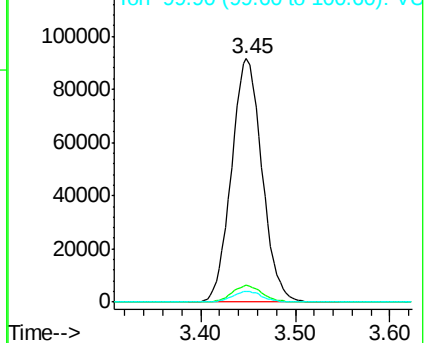
100 4.3 2.0 6.0

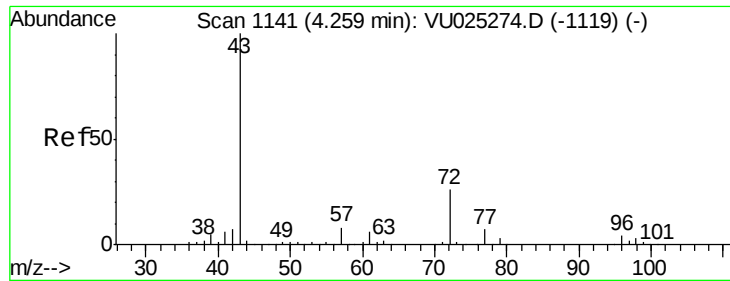


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





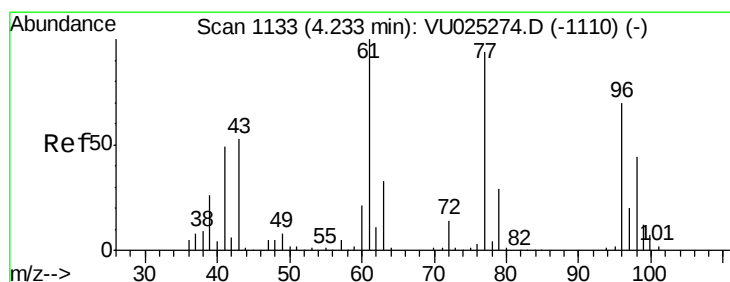
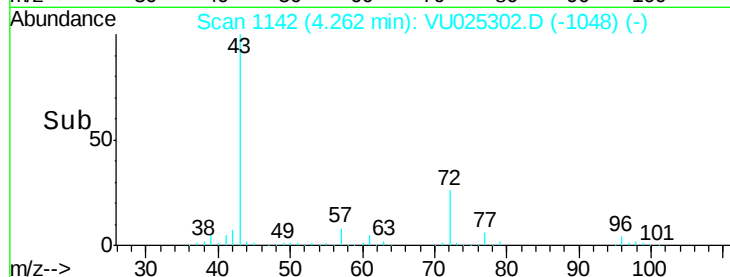
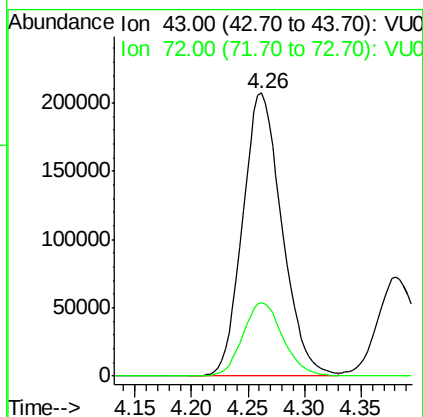
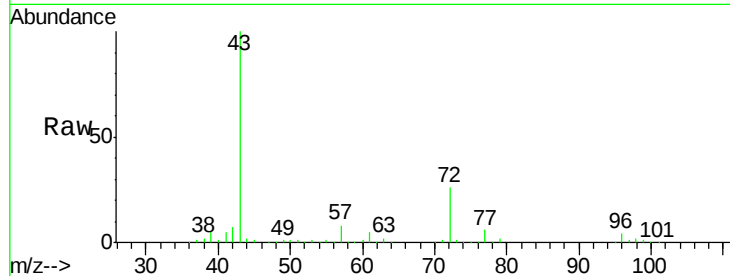
#25
2-Butanone
Concen: 251.37 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 43 Resp: 500453
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

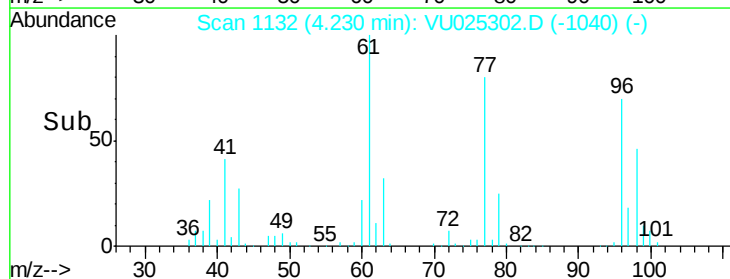
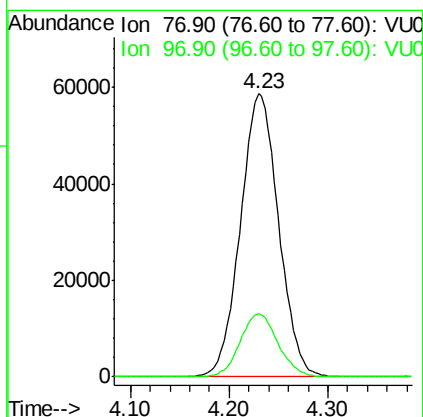
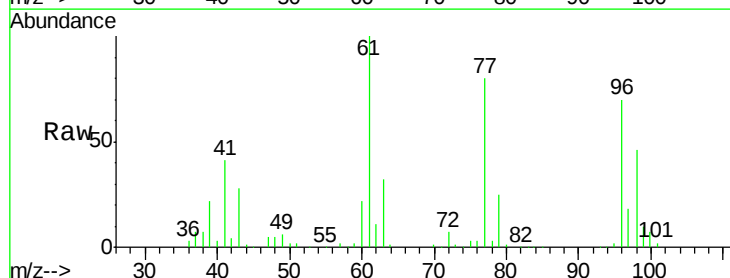
Manual Integrations
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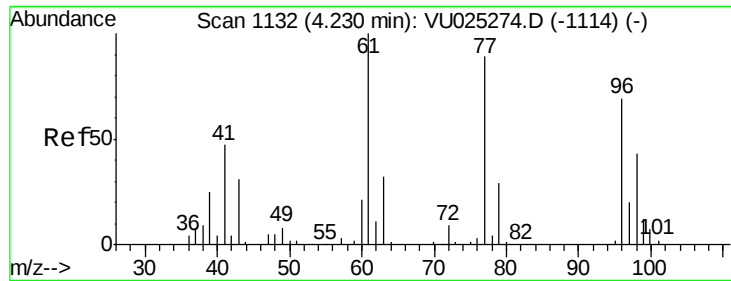
MMDadoda
7/11/2018 5:05:58 PM



#26
2,2-Dichloropropane
Concen: 41.63 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 77 Resp: 156675
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.87 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

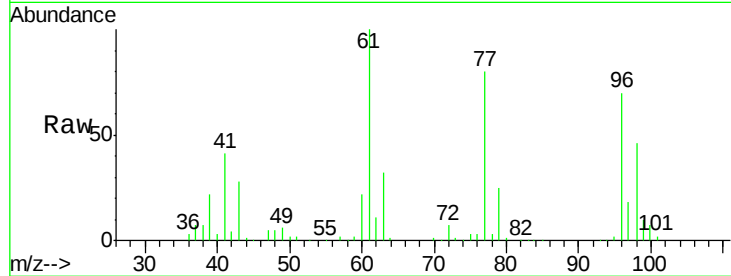
ClientSampleId :

BR-1-070518MS

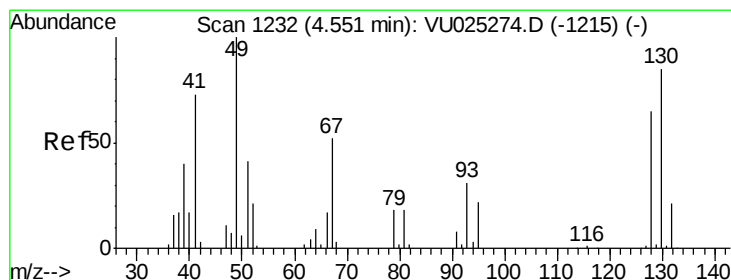
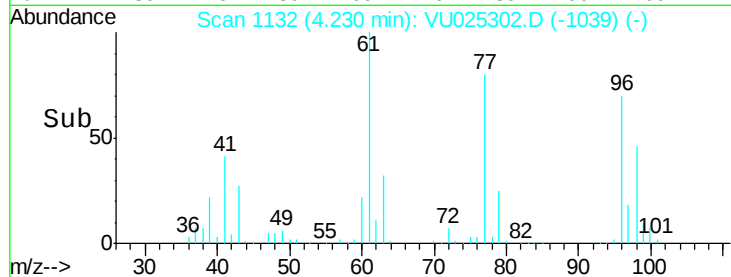
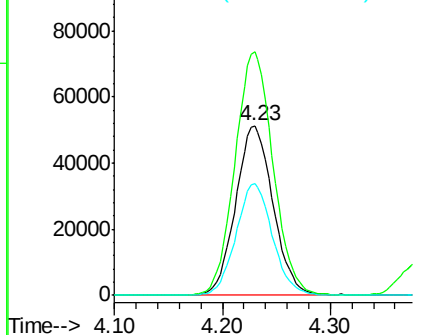
Tot Ion:	96	Resp:	123581
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	299.8
98	64.6	0.0	128.6

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 50.31 ug/l

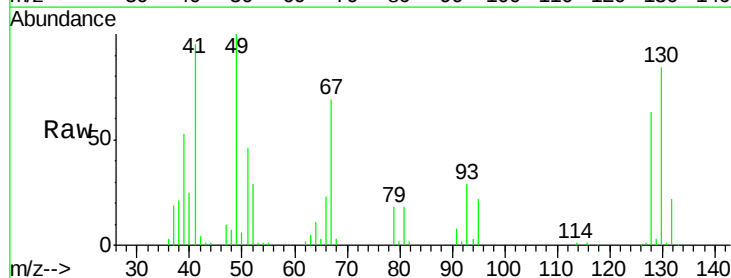
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

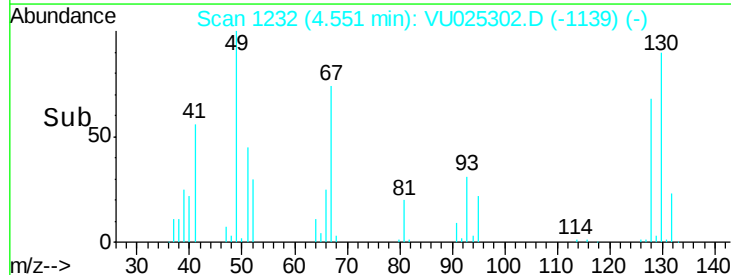
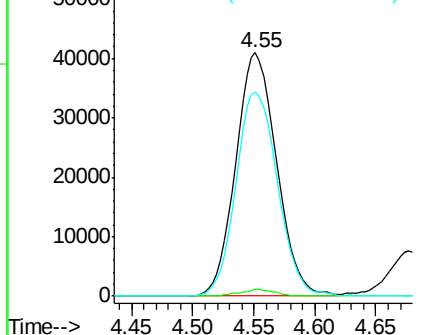
Lab File: VU025302.D

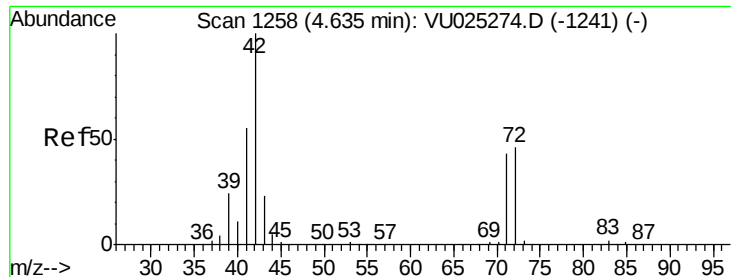
Acq: 10 Jul 2018 20:33

Tgt Ion:	49	Resp:	95104
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	85.3	68.6	102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





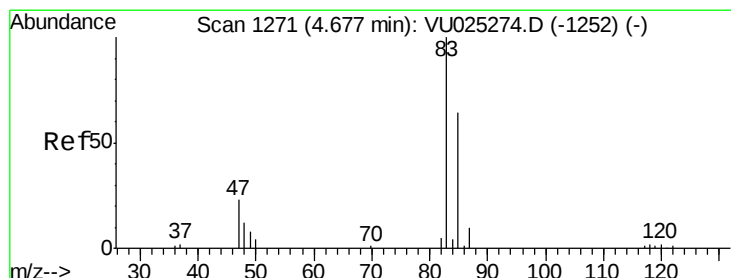
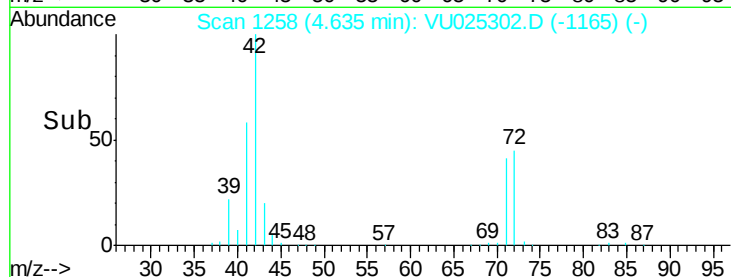
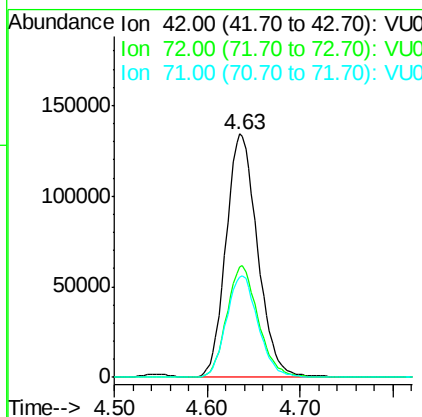
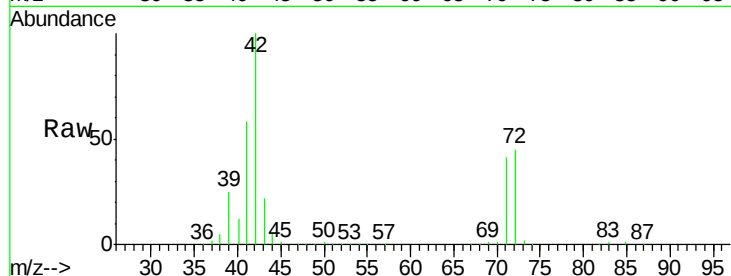
#29
Tetrahydrofuran
Concen: 263.73 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.7	55.1
71	42.3	33.9	50.9

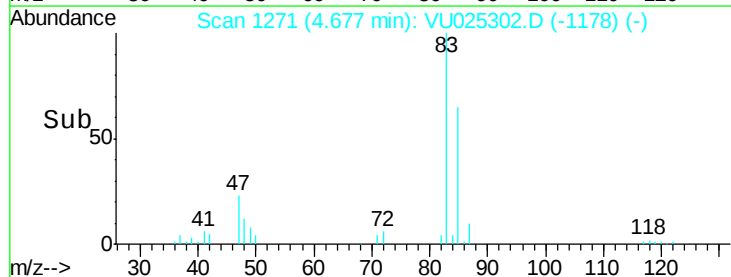
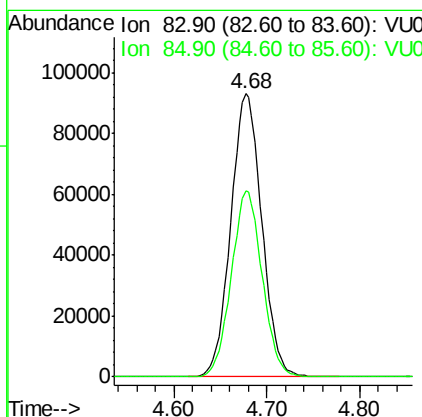
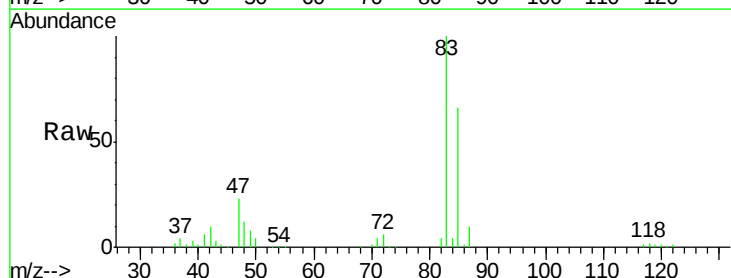
Manual Integrations
APPROVED

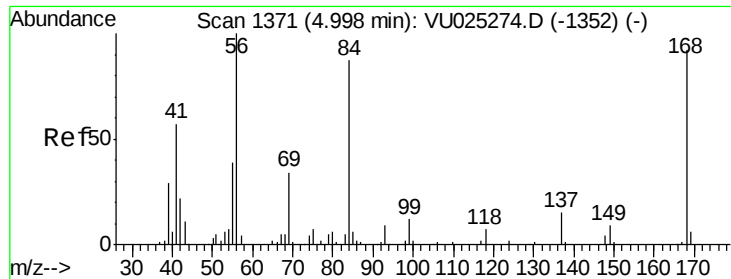
MMDadoda
7/11/2018 5:05:58 PM



#30
Chloroform
Concen: 52.03 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





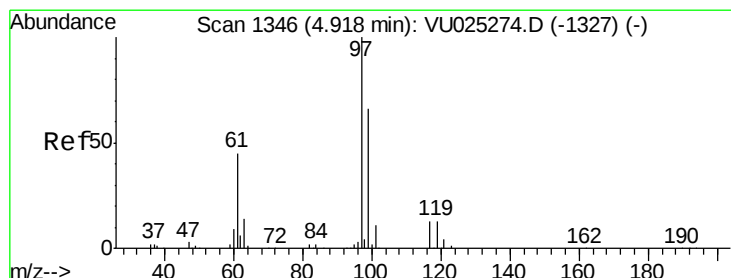
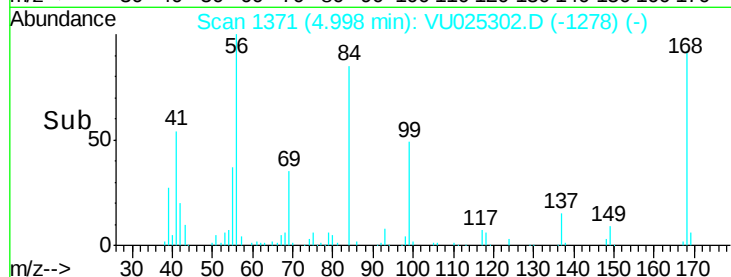
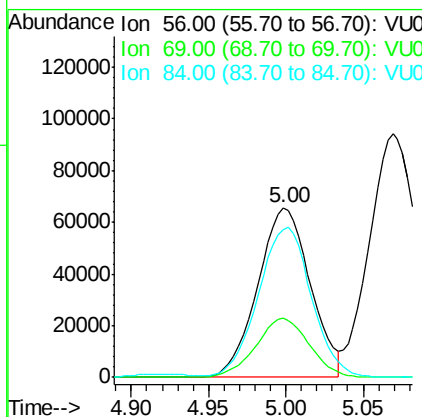
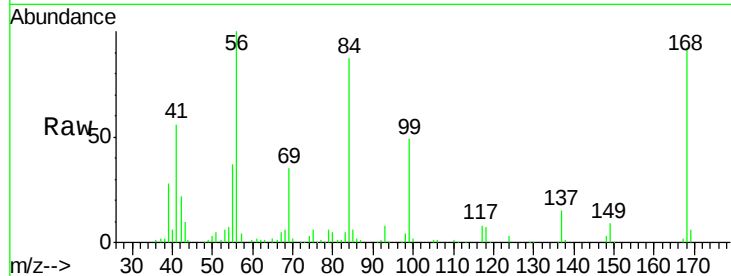
#31
Cyclohexane
Concen: 42.85 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.8	40.2
84	86.2	69.7	104.5

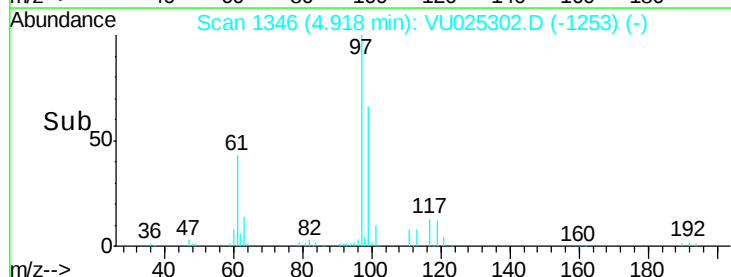
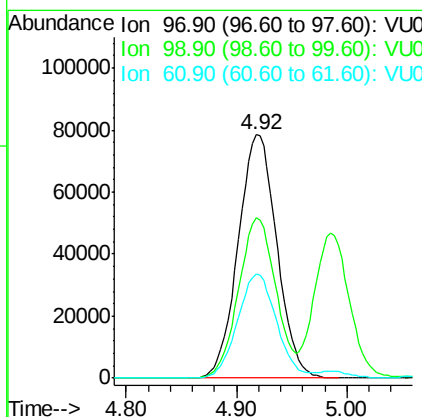
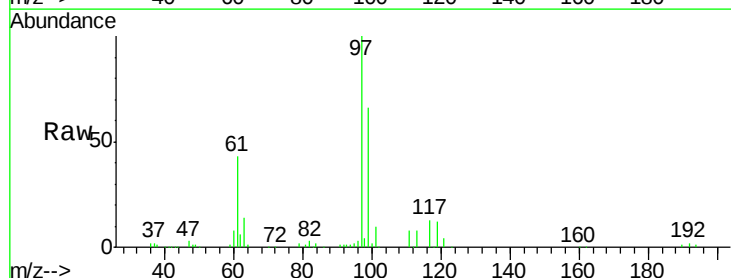
Manual Integrations
APPROVED

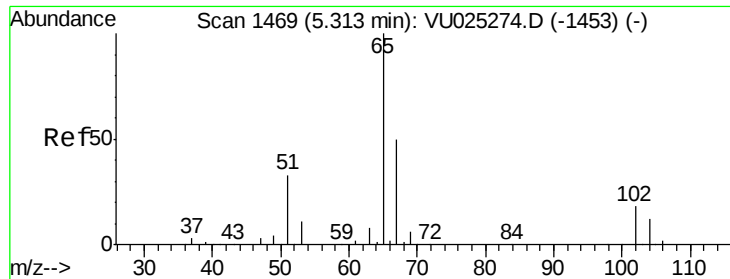
MMDadoda
7/11/2018 5:05:58 PM



#32
1,1,1-Trichloroethane
Concen: 50.73 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	43.1	35.2	52.8





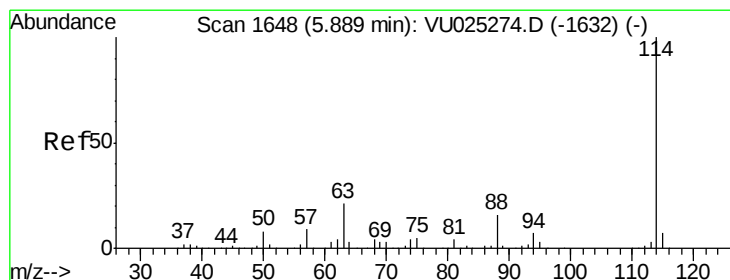
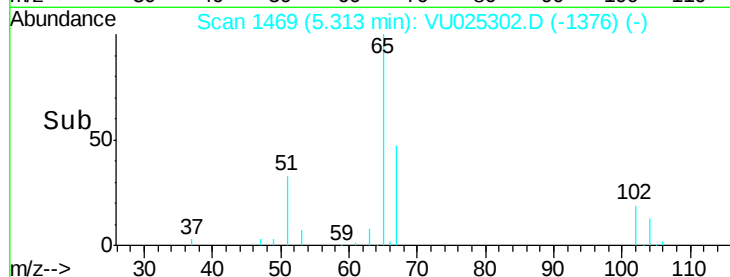
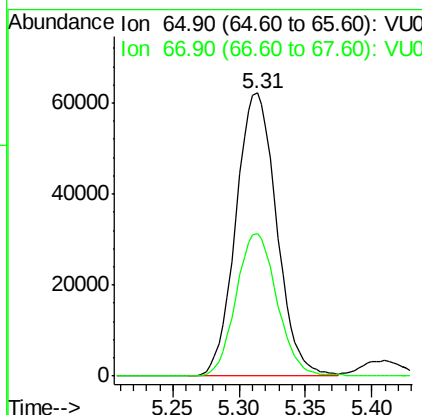
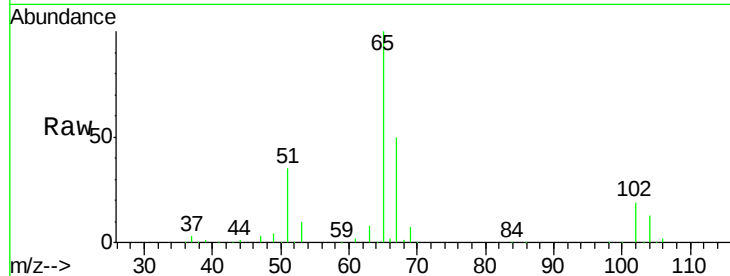
#33
 1,2-Dichloroethane-d4
 Concen: 46.31 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133005		
67	50.4	0.0	103.6	

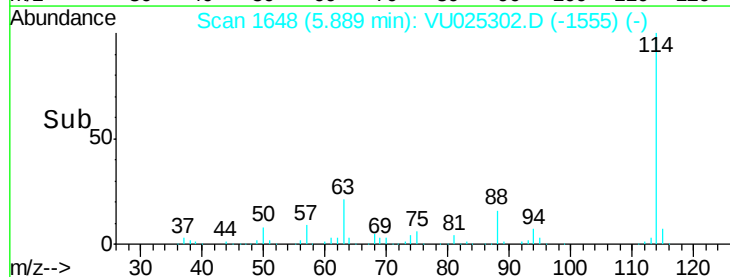
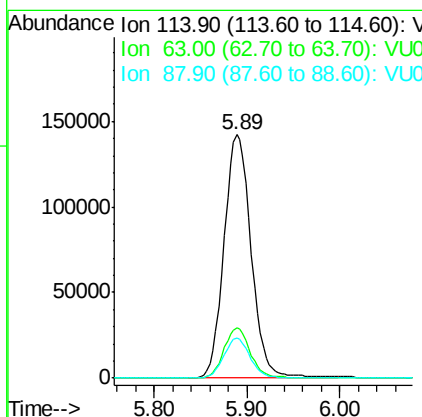
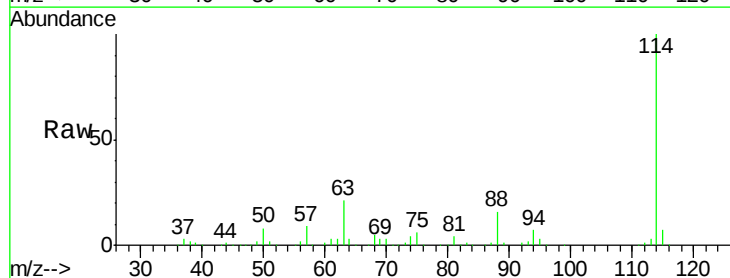
Manual Integrations
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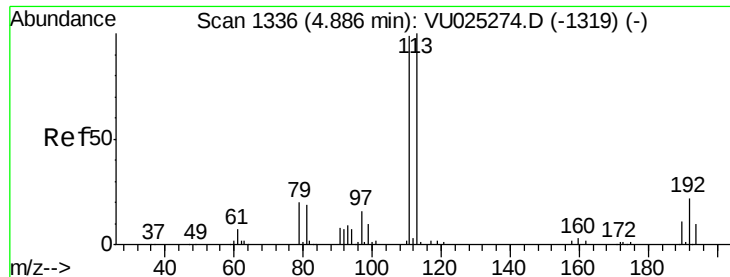
MMDadoda
 7/11/2018 5:05:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289114		
63	20.7	0.0	41.6	
88	16.4	0.0	32.4	





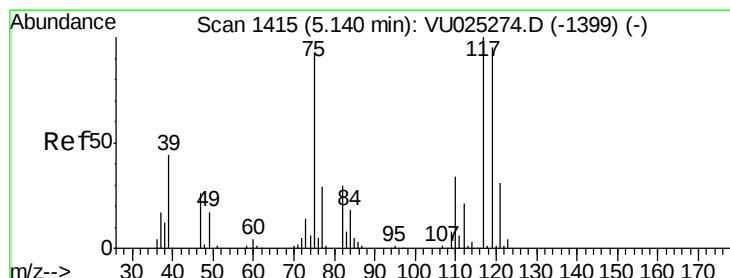
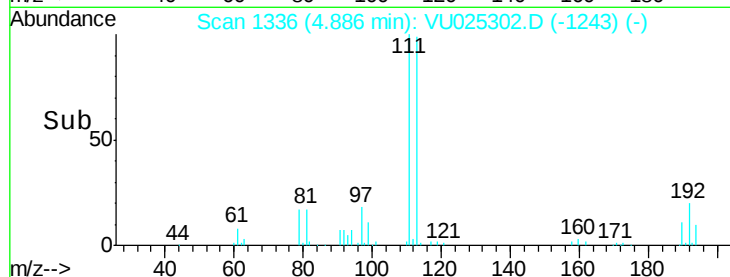
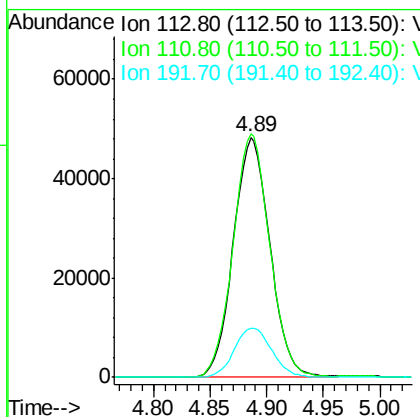
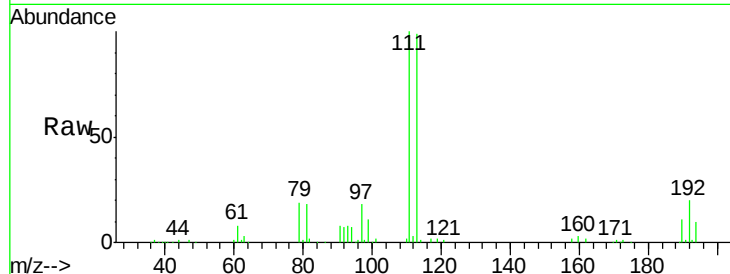
#35
 Dibromofluoromethane
 Concen: 44.67 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	81.7	122.5	
192	21.0	17.1	25.7	

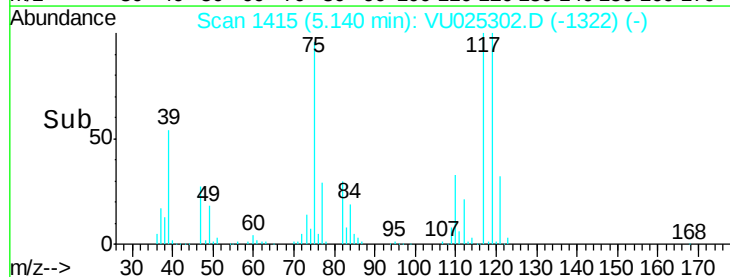
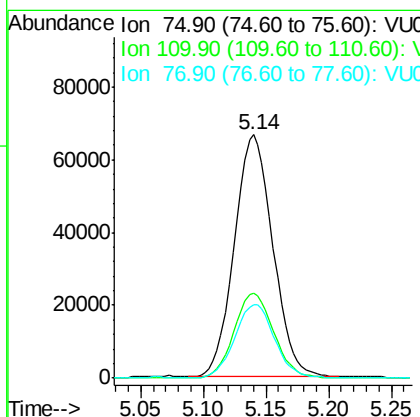
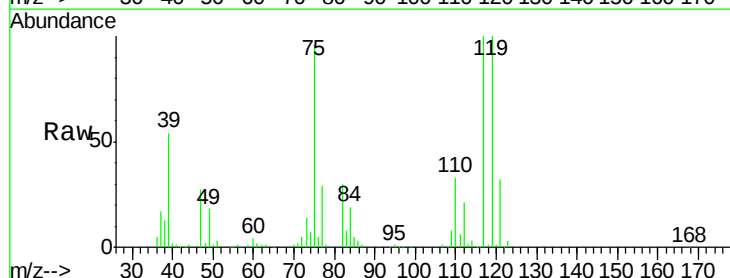
Manual Integrations
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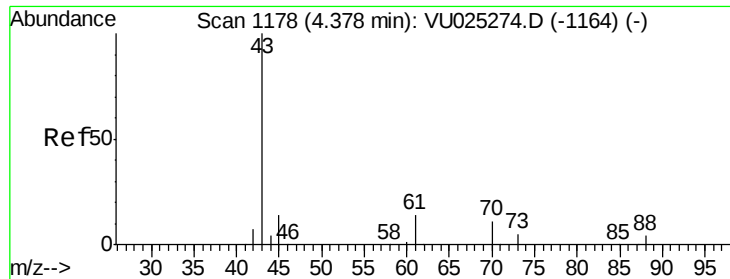
MMDadoda
 7/11/2018 5:05:58 PM



#36
 1,1-Dichloropropene
 Concen: 44.18 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	17.6	52.9	
77	31.6	24.4	36.6	





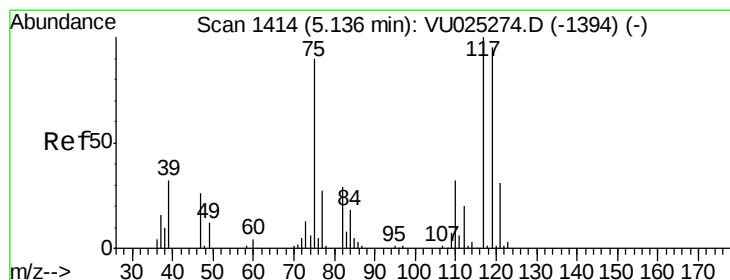
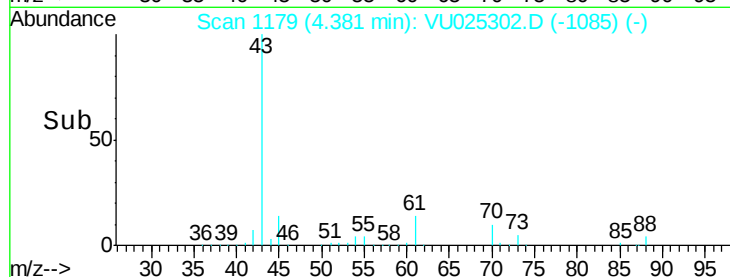
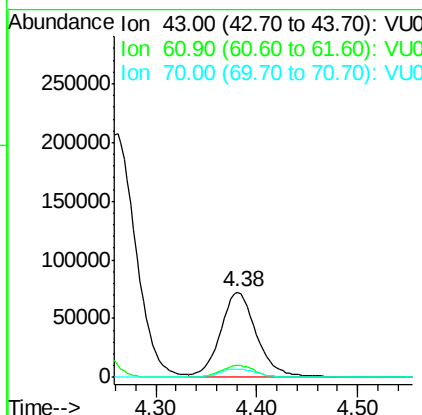
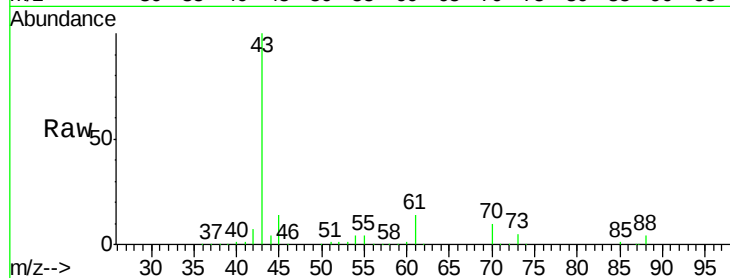
#37
Ethyl Acetate
Concen: 49.60 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	10.6	8.4	12.6

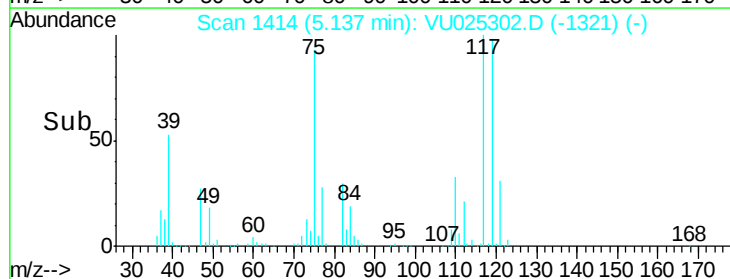
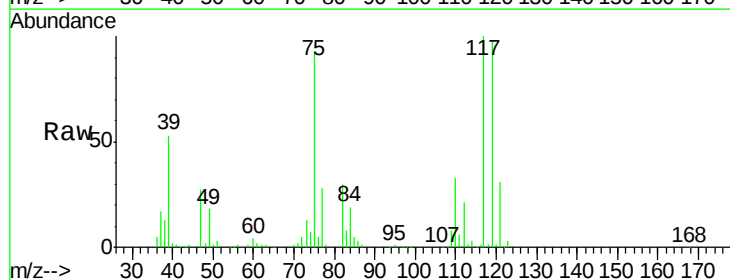
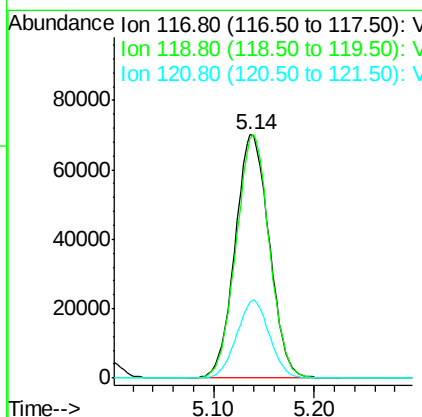
Manual Integrations
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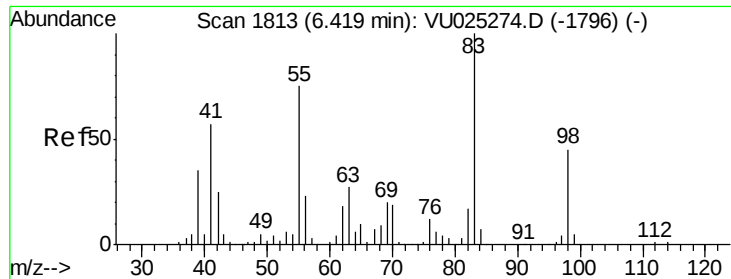
MMDadoda
7/11/2018 5:05:58 PM



#38
Carbon Tetrachloride
Concen: 47.61 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.7	113.5
121	31.4	24.6	36.8





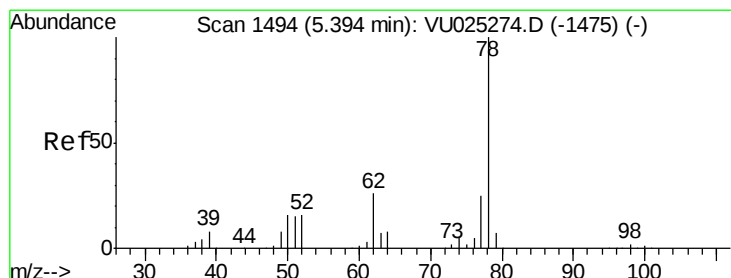
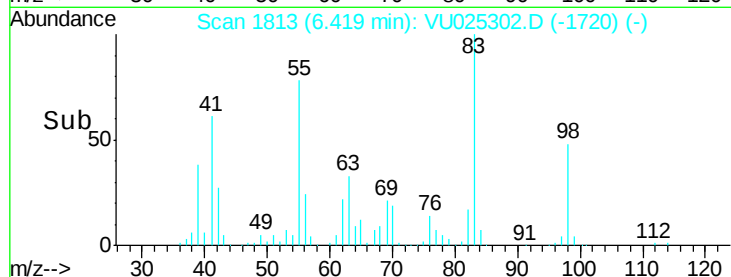
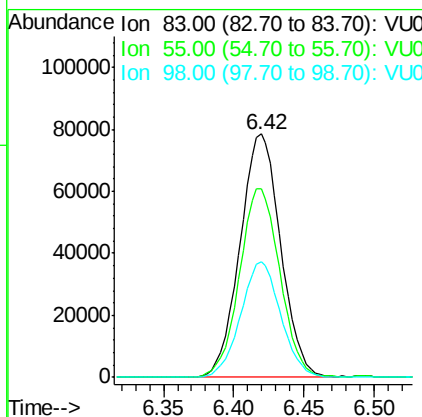
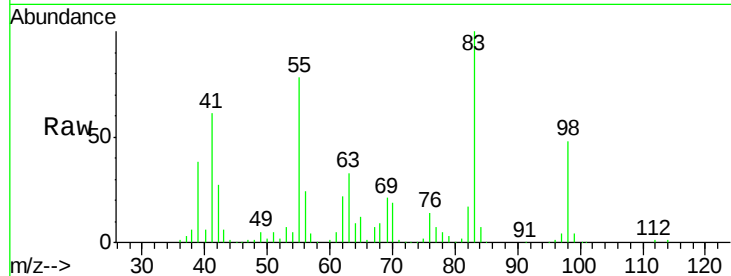
#39
Methvlcvclohexane
Concen: 39.50 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	83	Resp	158348
Ion Ratio	Lower	Upper	
83	100		
55	77.5	60.0	90.0
98	47.7	36.1	54.1

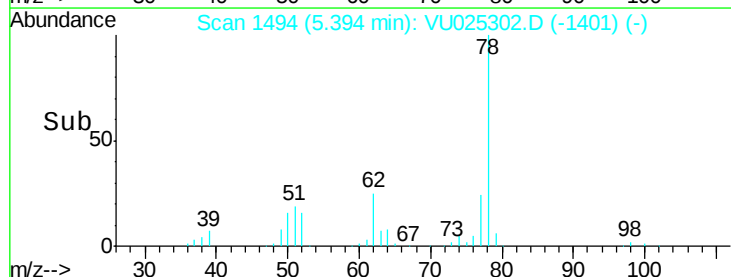
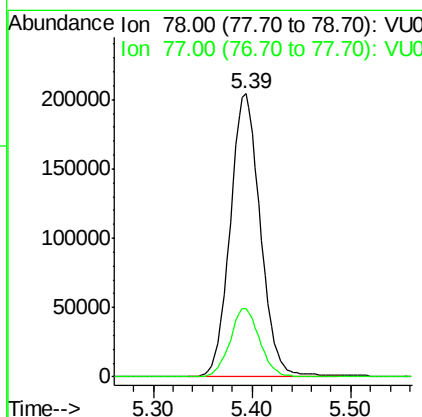
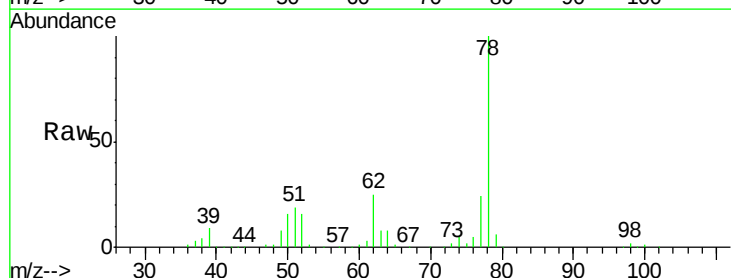
Manual Integrations
APPROVED

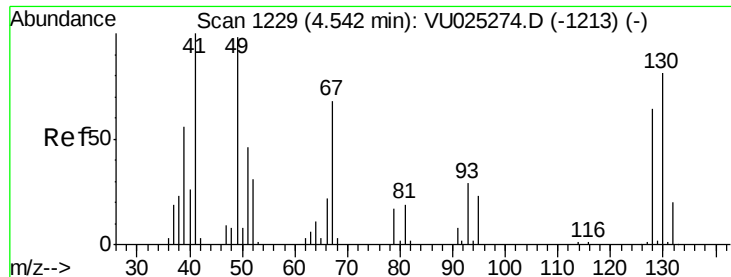
MMDadoda
7/11/2018 5:05:58 PM



#40
Benzene
Concen: 46.97 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	78	Resp	435039
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.8	29.6





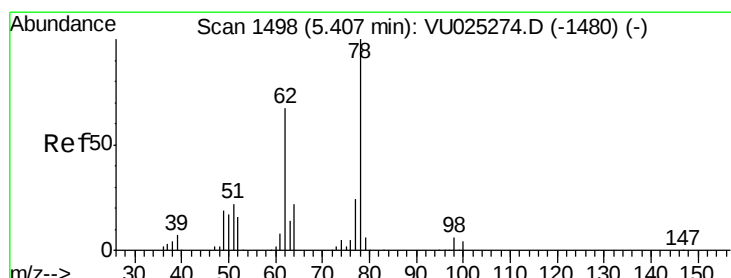
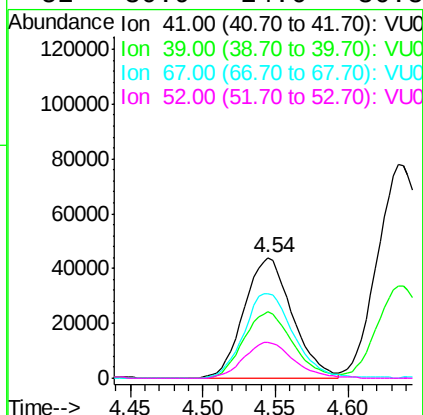
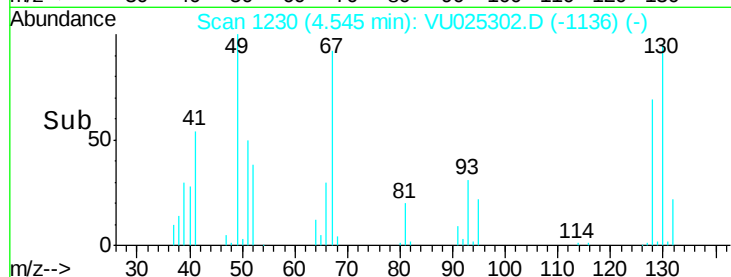
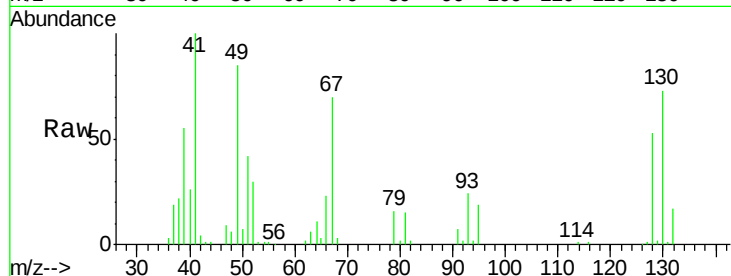
#41
Methacrylonitrile
Concen: 51.36 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	44.4	66.6	
67	72.3	56.0	84.0	
52	30.9	24.6	36.8	

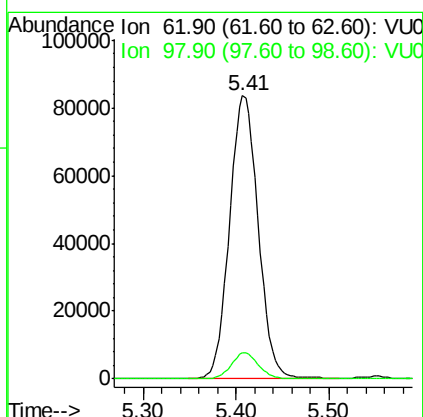
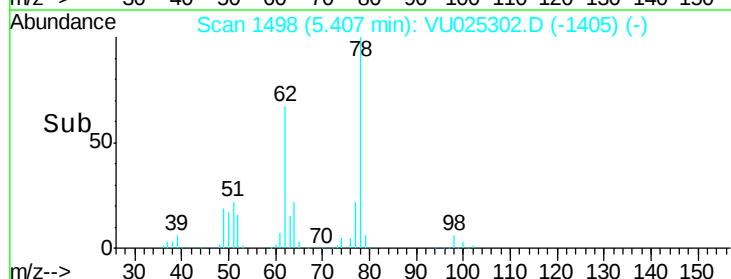
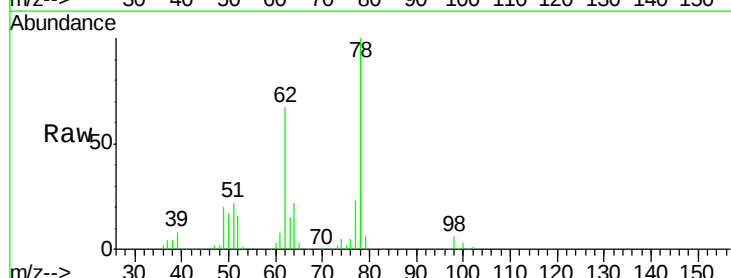
Manual Integrations
APPROVED

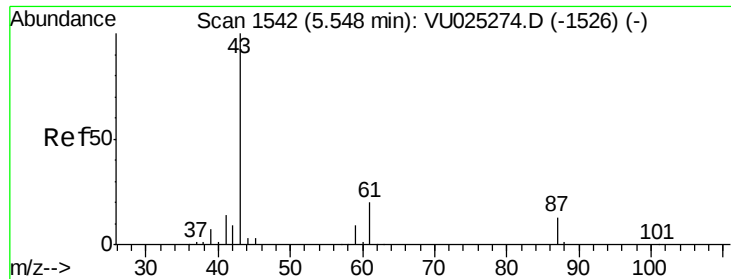
MMDadoda
7/11/2018 5:05:58 PM



#42
1,2-Dichloroethane
Concen: 48.77 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.4	





#43

Isopropyl Acetate

Concen: 49.54 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

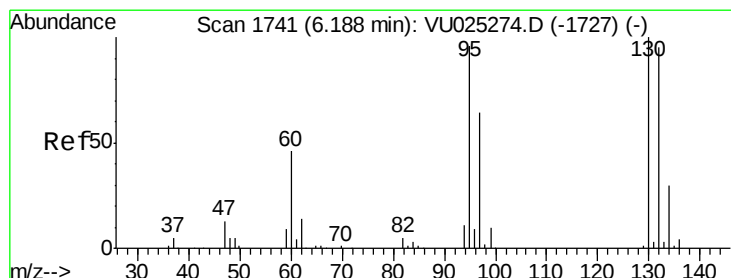
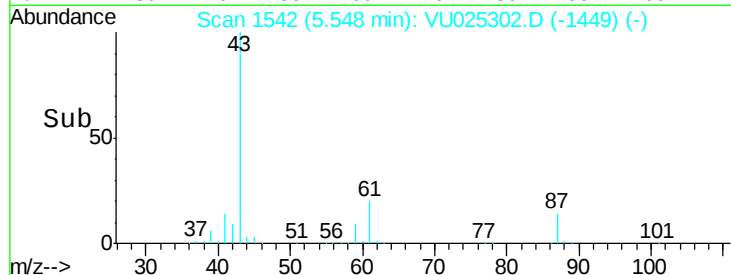
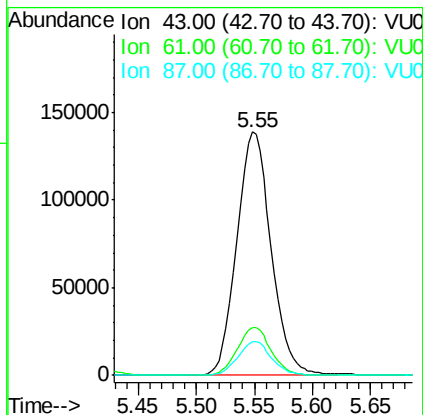
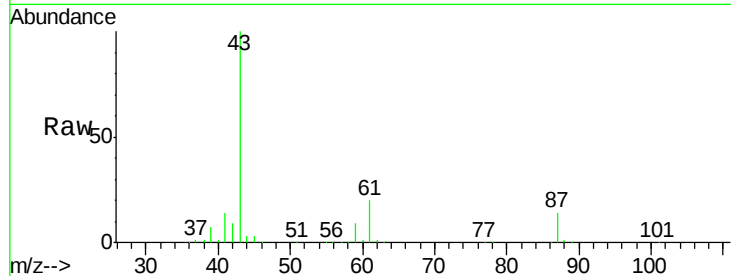
ClientSampleId :

BR-1-070518MS

Tot Ion:	43	Resp:	284357
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.5	23.3
87	13.8	10.6	16.0

Manual Integrations
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7/11/2018 5:05:58 PM



#44

Trichloroethene

Concen: 44.92 ug/l

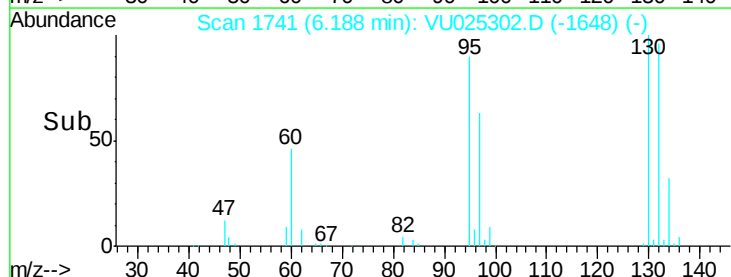
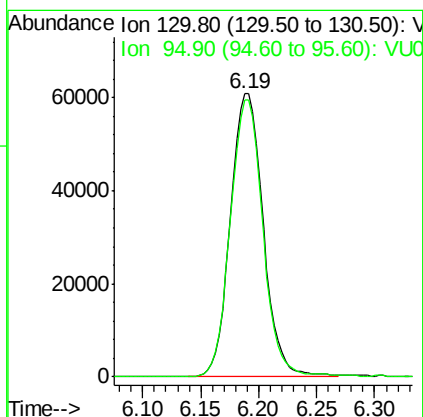
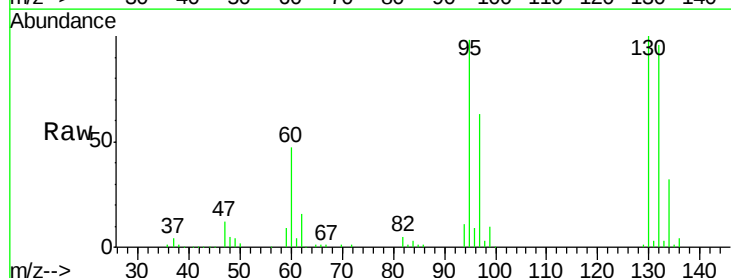
RT: 6.19 min Scan# 1741

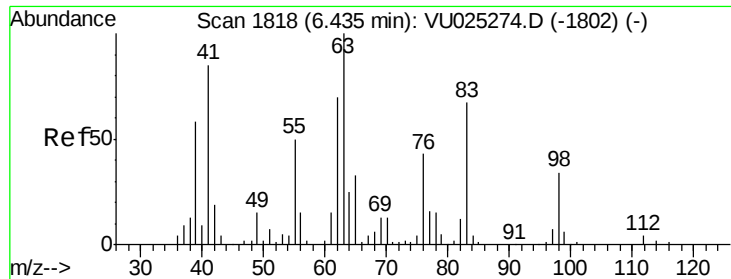
Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion:	130	Resp:	119458
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.2





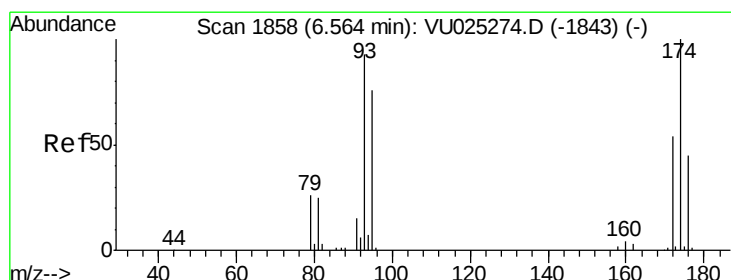
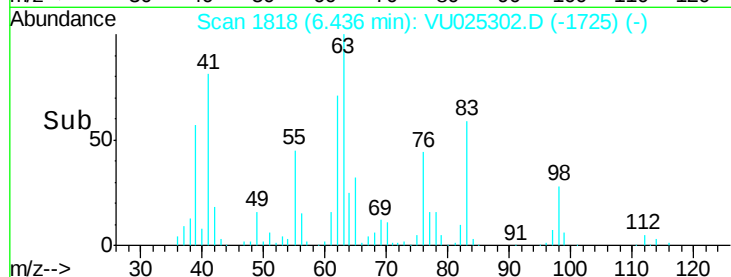
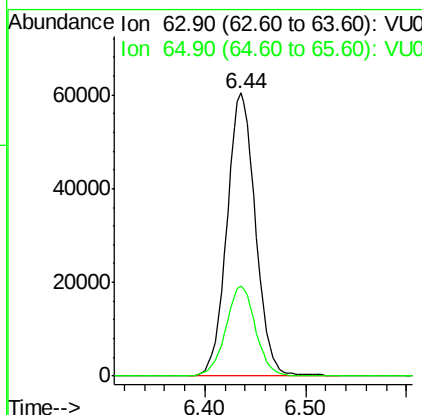
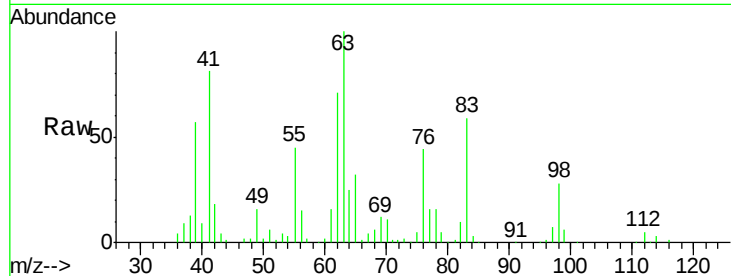
#45
 1,2-Dichloropropane
 Concen: 49.07 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion: 63 Resp: 119049
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.1 39.1

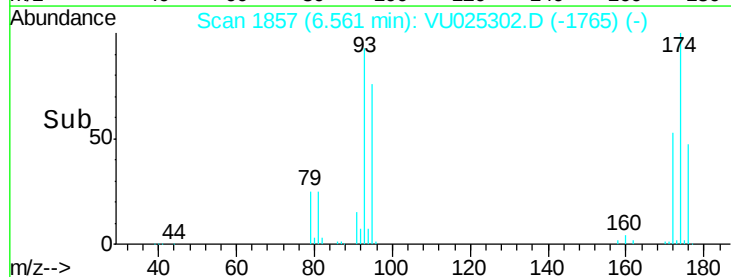
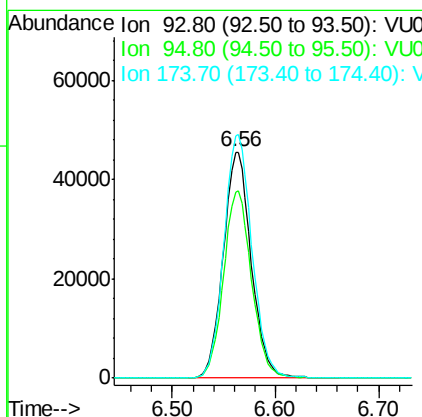
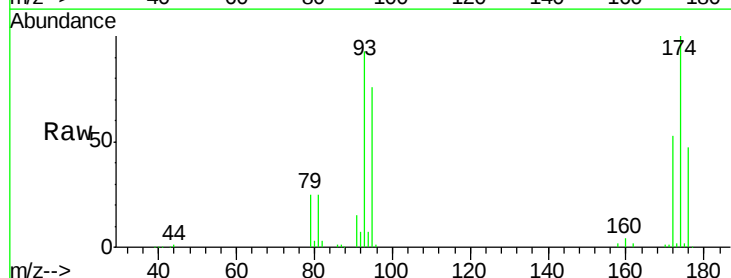
Manual Integrations
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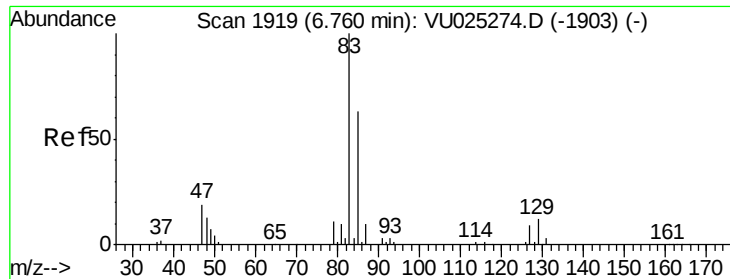
MMDadoda
 7/11/2018 5:05:58 PM



#46
 Dibromomethane
 Concen: 48.82 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 93 Resp: 86201
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 108.5 85.8 128.8





#47

Bromodichloromethane

Concen: 50.16 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

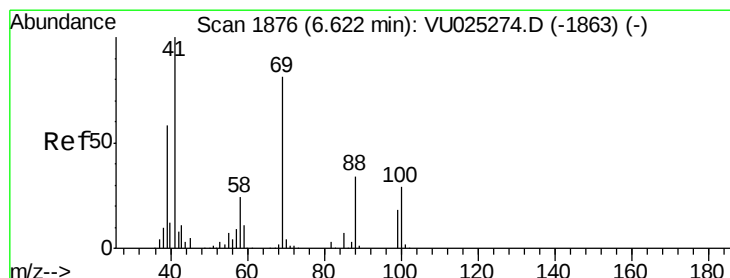
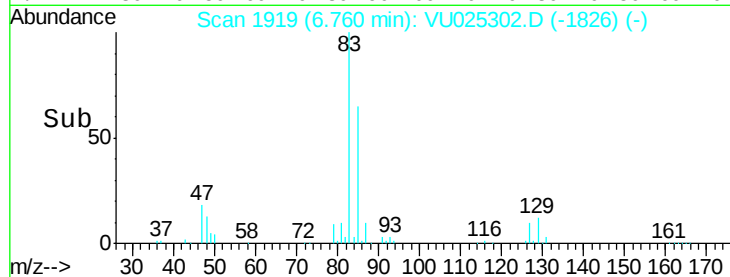
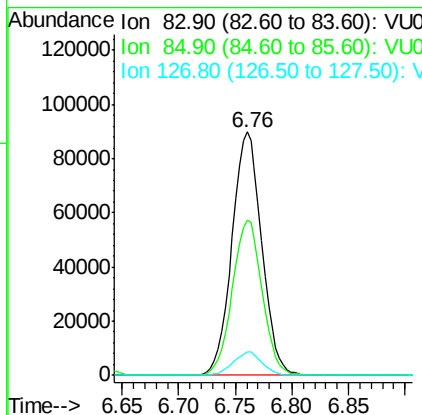
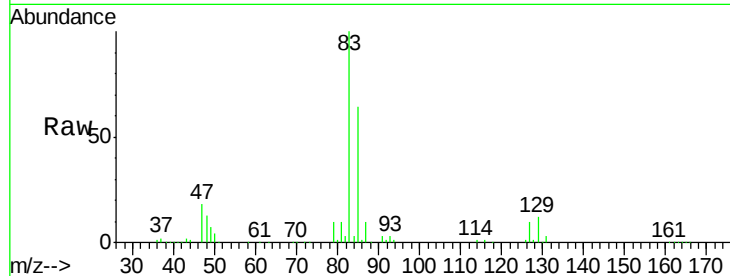
ClientSampleId :

BR-1-070518MS

Tot Ion:	83	Resp:	164498
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.2	75.4
127	9.7	7.2	10.8

Manual Integrations
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7/11/2018 5:05:58 PM



#48

Methyl methacrylate

Concen: 52.34 ug/l

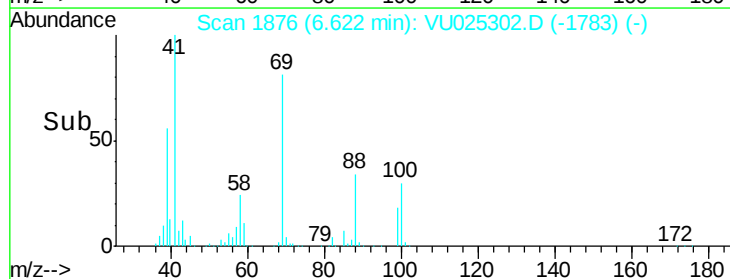
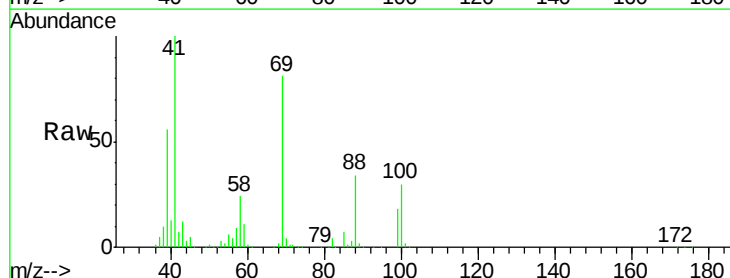
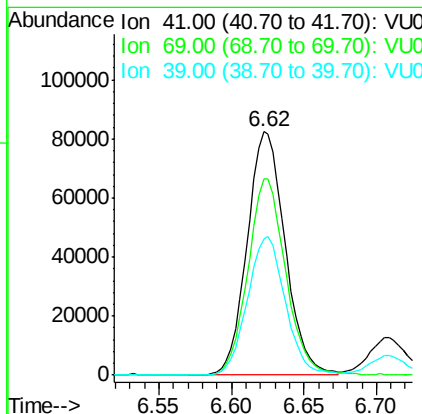
RT: 6.62 min Scan# 1876

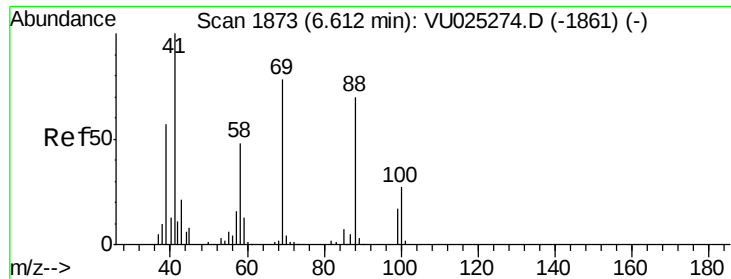
Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion:	41	Resp:	149784
Ion Ratio	Lower	Upper	
41	100		
69	80.7	65.0	97.4
39	57.1	46.4	69.6





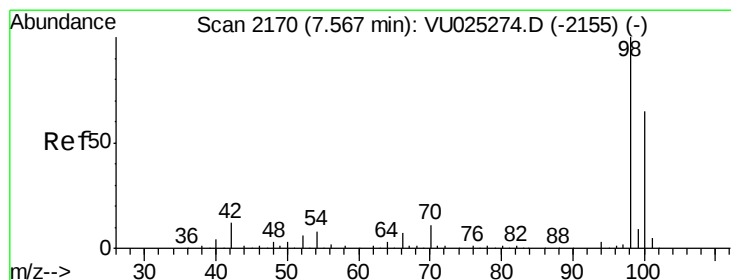
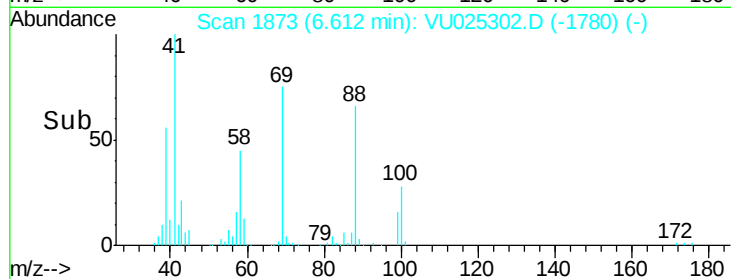
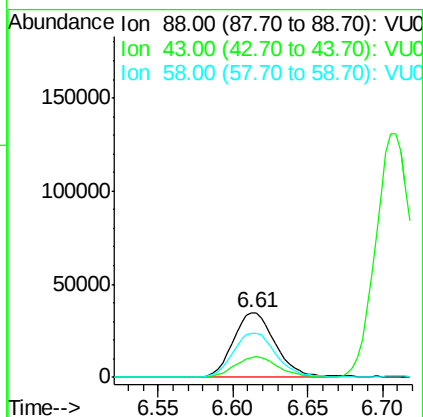
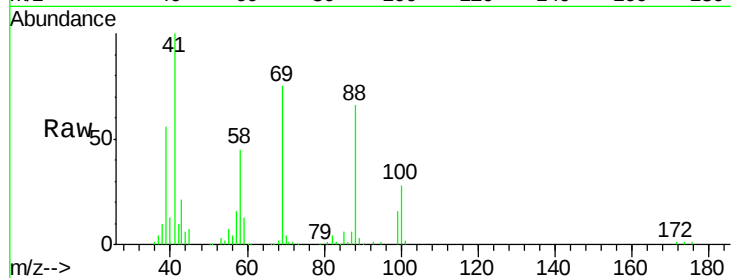
#49
1,4-Dioxane
Concen: 977.22 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.3	40.9
58	71.4	57.6	86.4

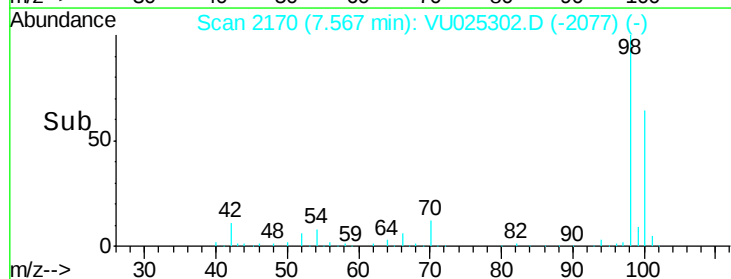
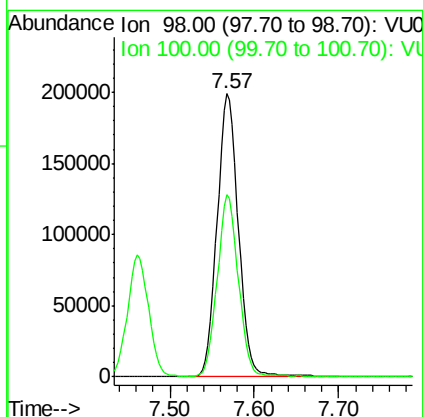
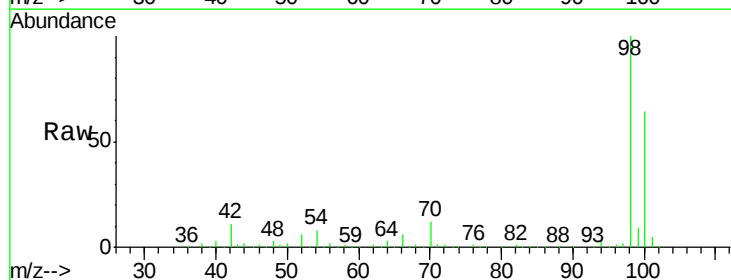
Manual Integrations
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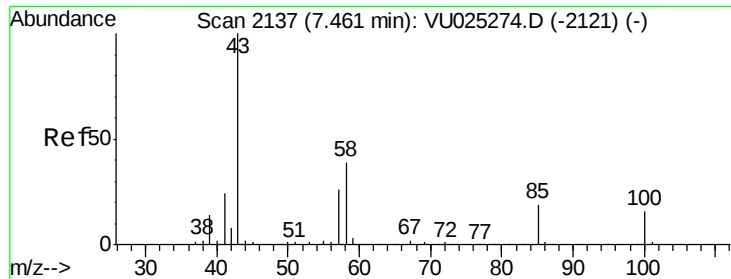
MMDadoda
7/11/2018 5:05:58 PM



#50
Toluene-d8
Concen: 41.94 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 259.42 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion: 43 Resp: 967861

Ion Ratio Lower Upper

43 100

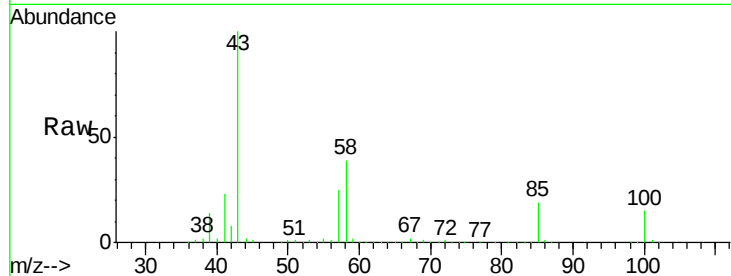
58 38.5 31.0 46.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

600000

500000

400000

300000

200000

100000

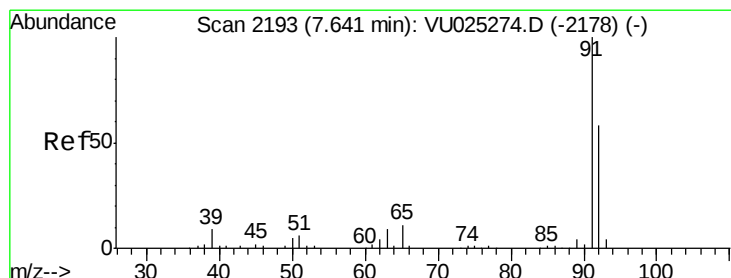
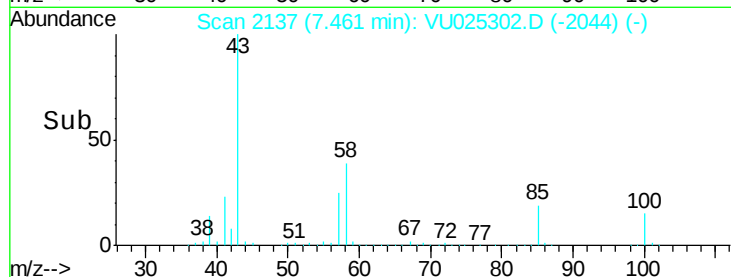
0

7.46

7.40

7.50

Time-->



#52

Toluene

Concen: 47.32 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025302.D

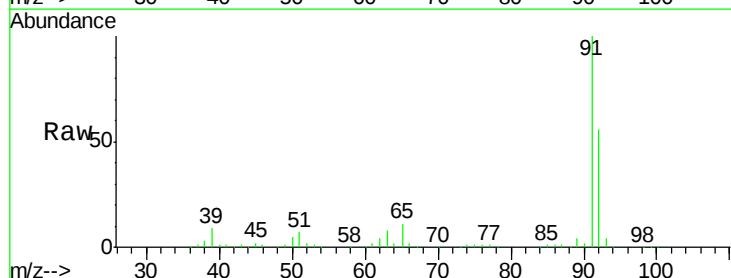
Acq: 10 Jul 2018 20:33

Tgt Ion: 92 Resp: 278875

Ion Ratio Lower Upper

92 100

91 174.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

100000

50000

0

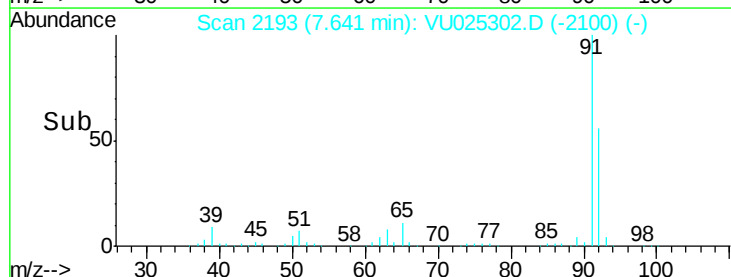
7.64

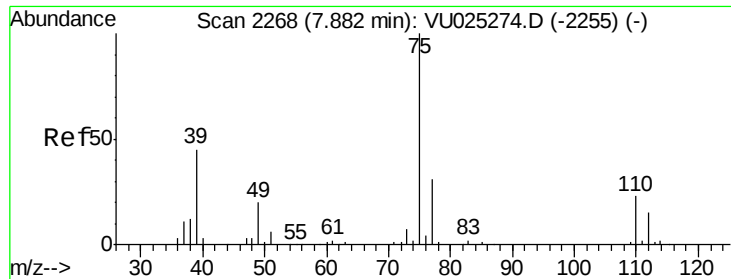
7.60

7.70

7.80

Time-->





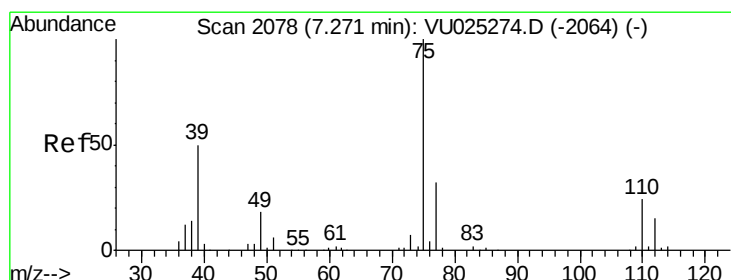
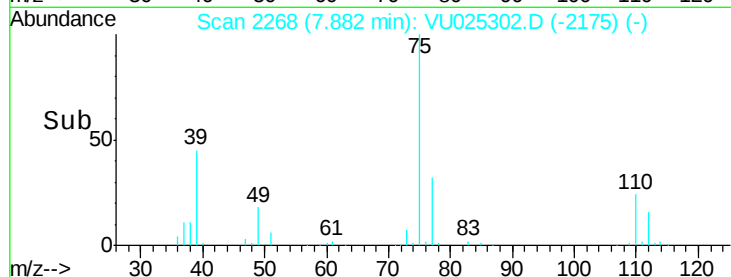
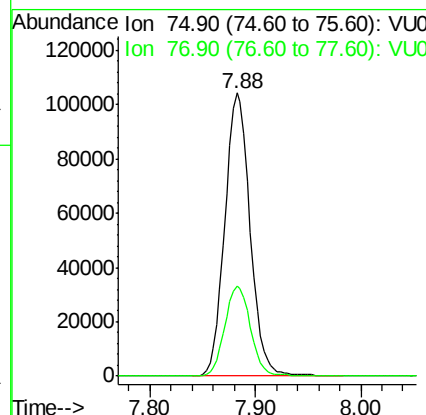
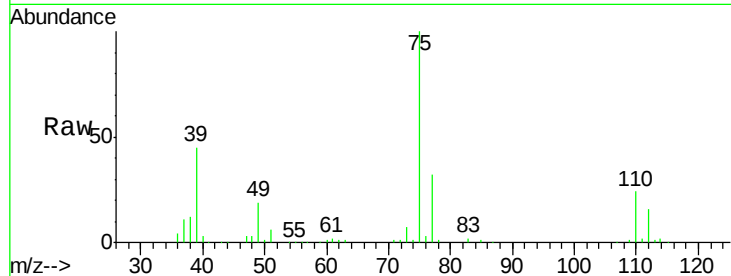
#53
t-1,3-Dichloropropene
Concen: 47.94 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 75 Resp: 172753
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7

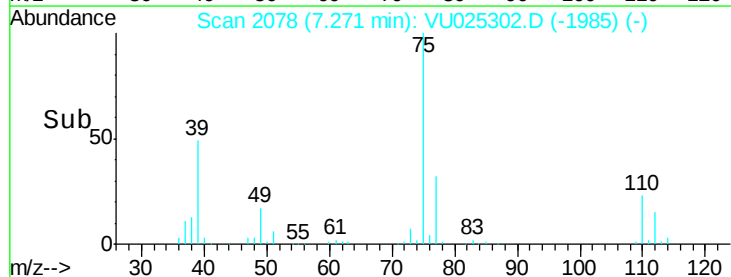
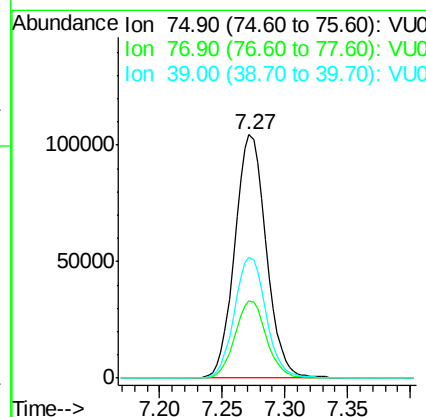
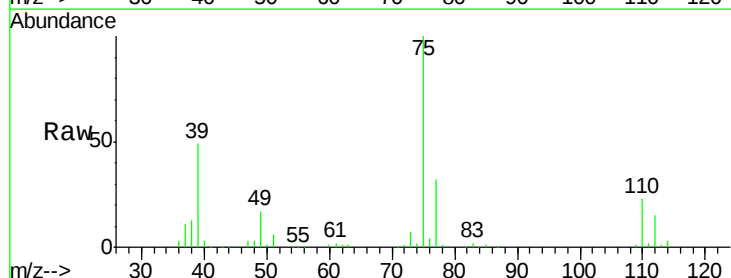
Manual Integrations
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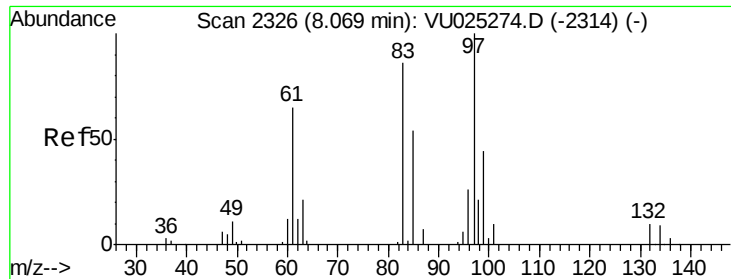
MMDadoda
7/11/2018 5:05:58 PM



#54
cis-1,3-Dichloropropene
Concen: 47.52 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 75 Resp: 182241
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 49.5 40.0 60.0





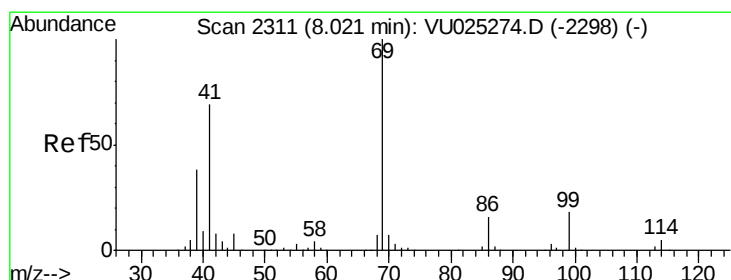
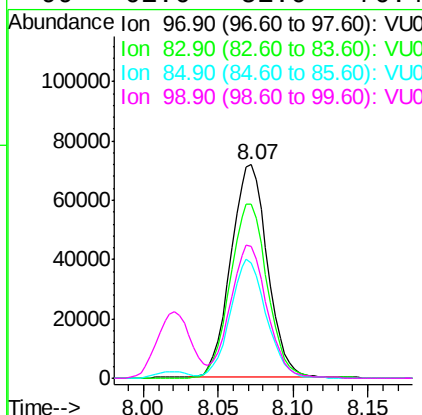
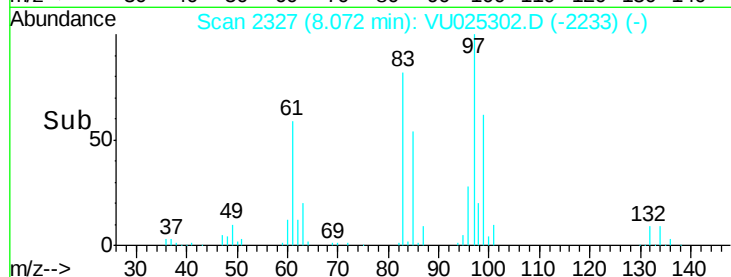
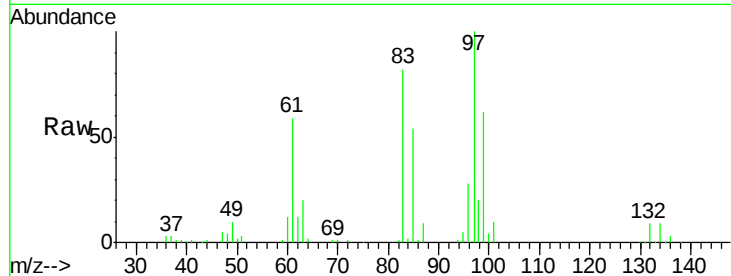
#55
 1,1,2-Trichloroethane
 Concen: 49.68 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion:	97	Resp:	121919
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.9	103.3
85	54.2	44.4	66.6
99	61.6	51.0	76.4

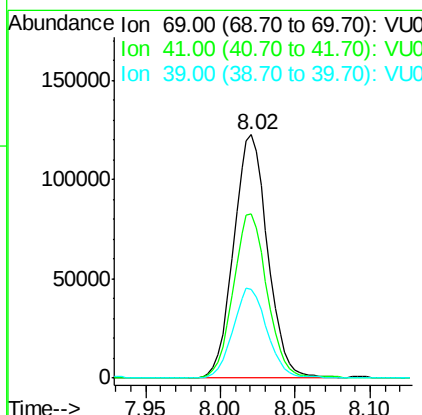
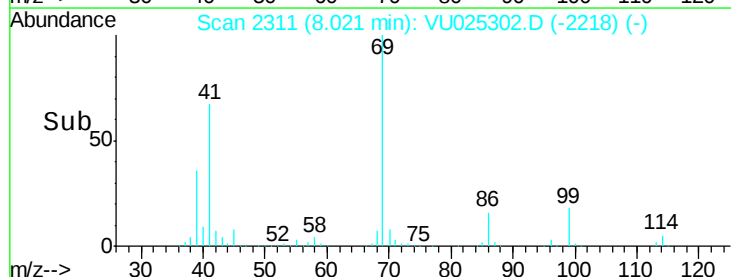
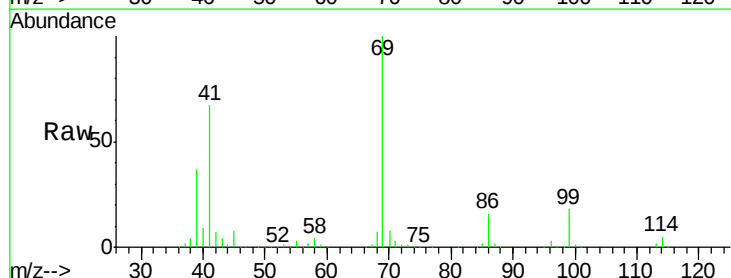
Manual Integrations
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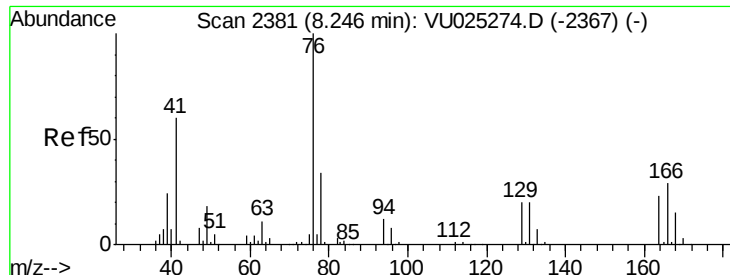
MMDadoda
 7/11/2018 5:05:58 PM



#56
 Ethyl methacrylate
 Concen: 50.71 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:	69	Resp:	194369
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.8	82.2
39	36.8	31.1	46.7





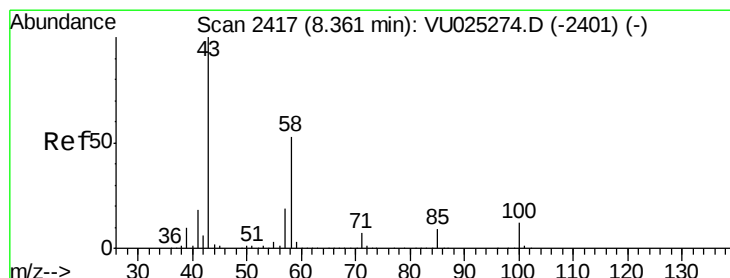
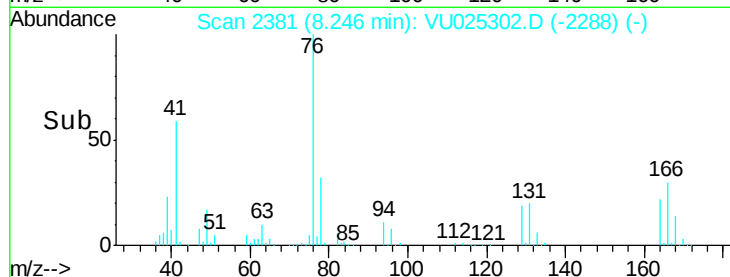
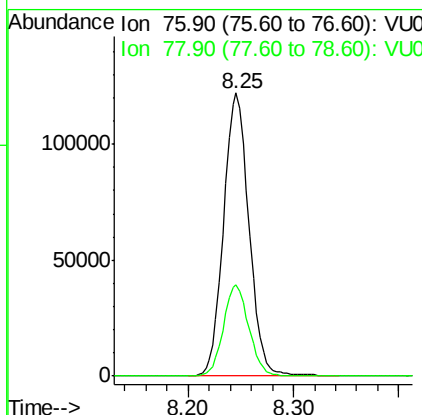
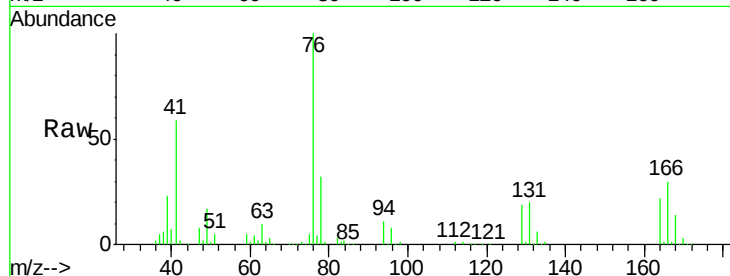
#57
 1,3-Dichloropropane
 Concen: 49.95 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

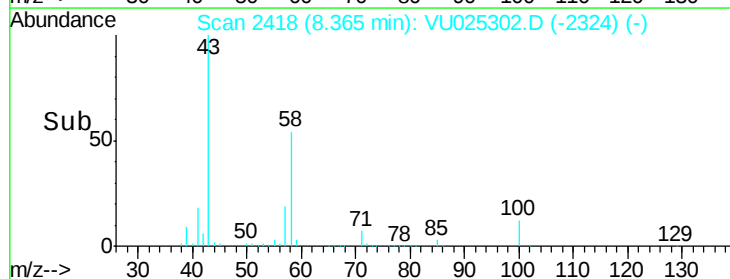
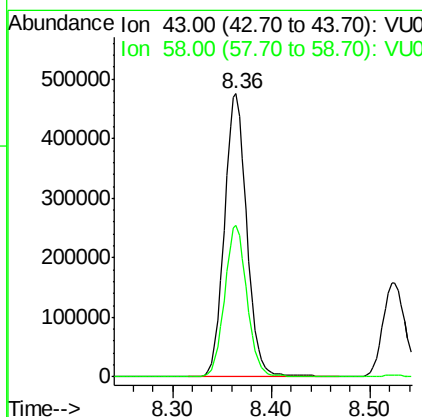
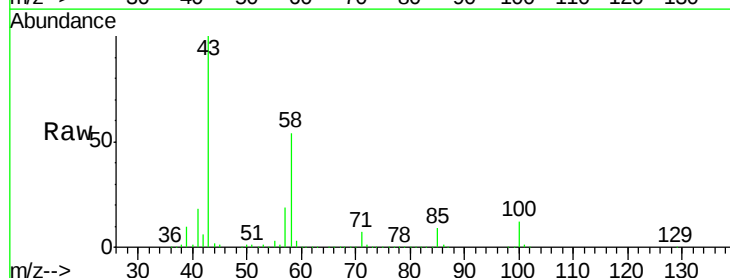
Manual Integrations
 APPROVED

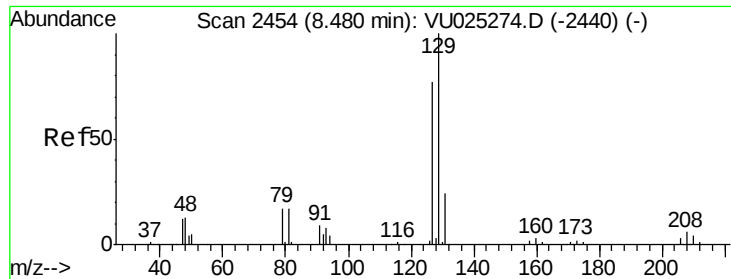
MMDadoda
 7/11/2018 5:05:58 PM



#59
 2-Hexanone
 Concen: 251.21 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.2	78.5





#60

Dibromochloromethane

Concen: 51.20 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion:129 Resp: 135703

Ion Ratio Lower Upper

129 100

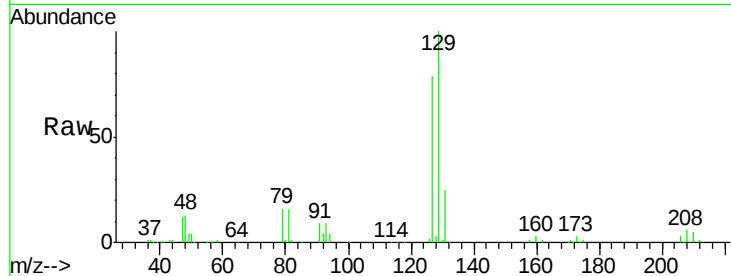
127 78.0 38.6 115.8

Manual Integrations

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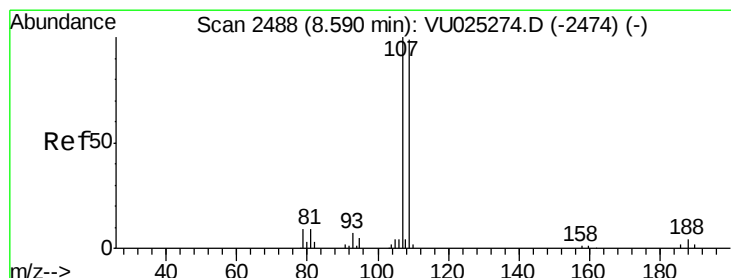
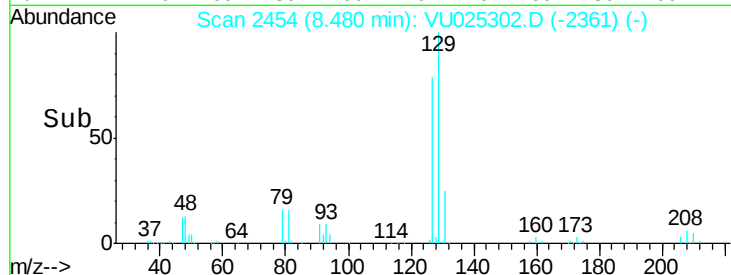
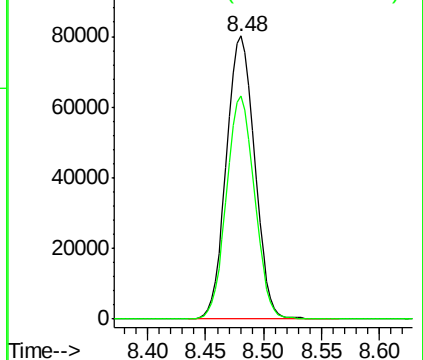
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.32 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025302.D

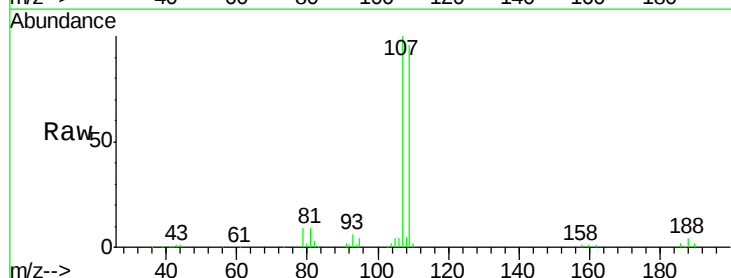
Acq: 10 Jul 2018 20:33

Tgt Ion:107 Resp: 132144

Ion Ratio Lower Upper

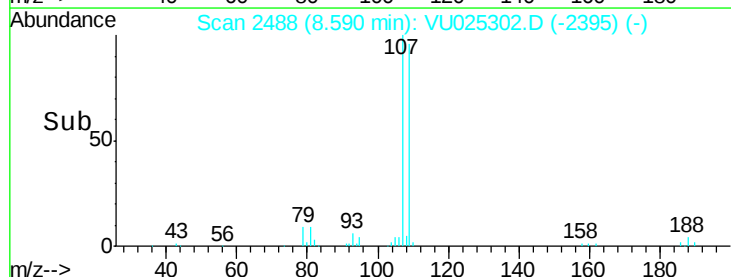
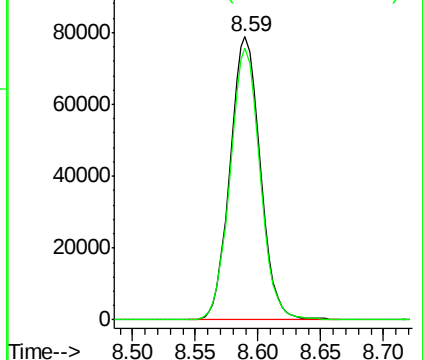
107 100

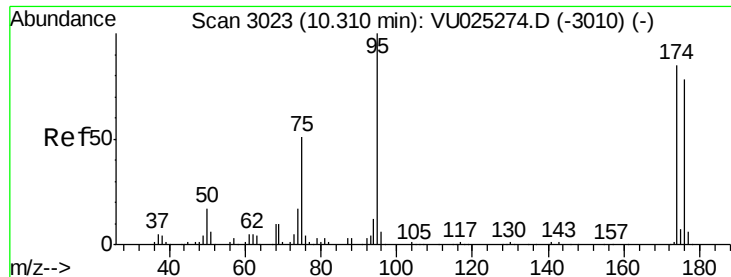
109 95.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.09 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

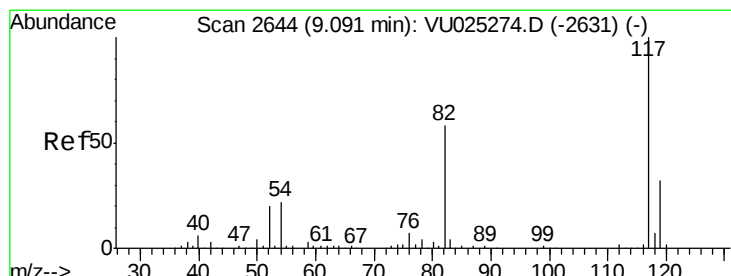
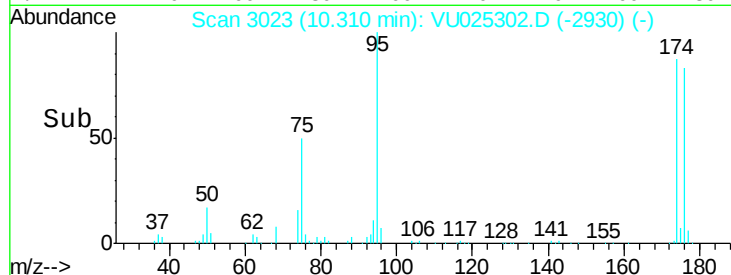
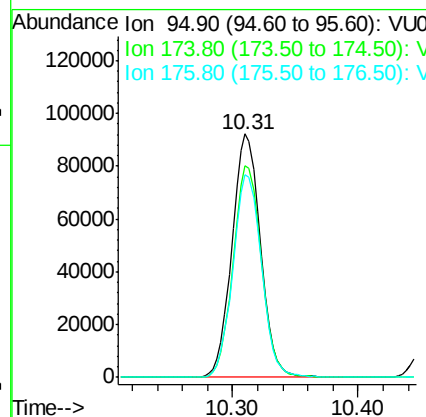
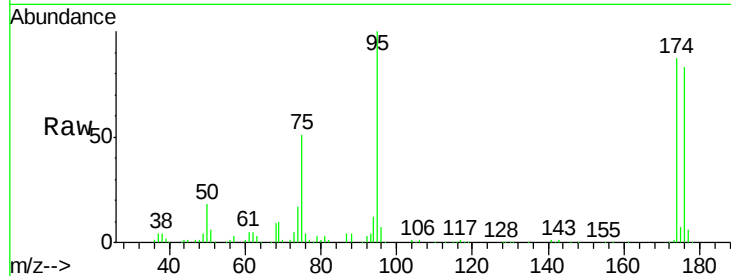
ClientSampleId :

BR-1-070518MS

Tot Ion:	95	Resp:	144892
Ion Ratio	Lower	Upper	
95	100		
174	86.7	0.0	172.2
176	84.0	0.0	162.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

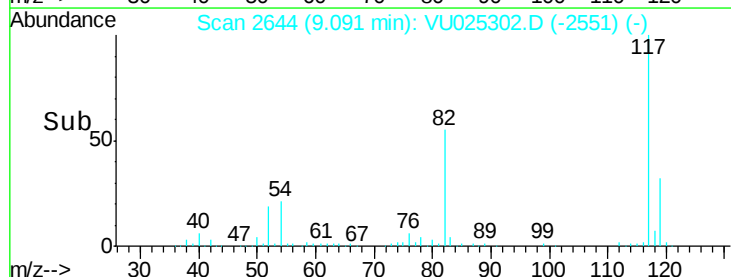
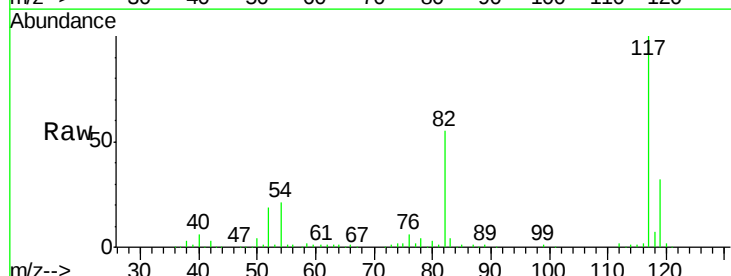
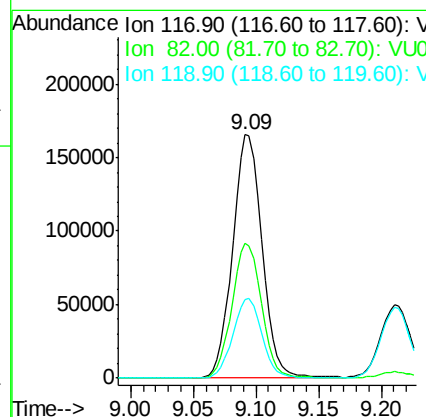
RT: 9.09 min Scan# 2644

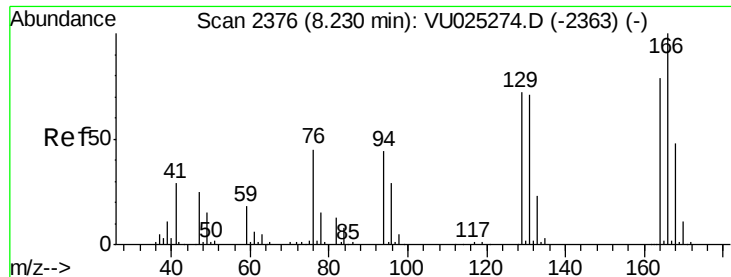
Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion:	117	Resp:	270624
Ion Ratio	Lower	Upper	
117	100		
82	55.3	46.0	69.0
119	32.3	26.0	39.0





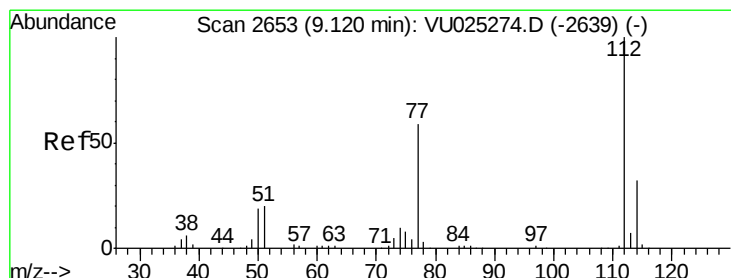
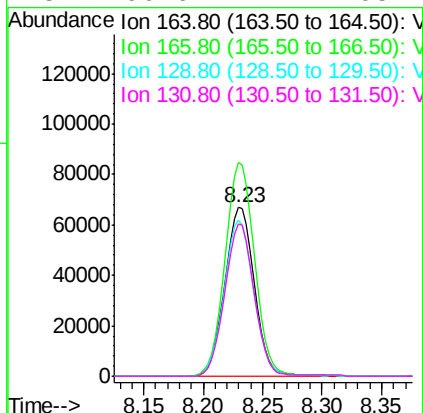
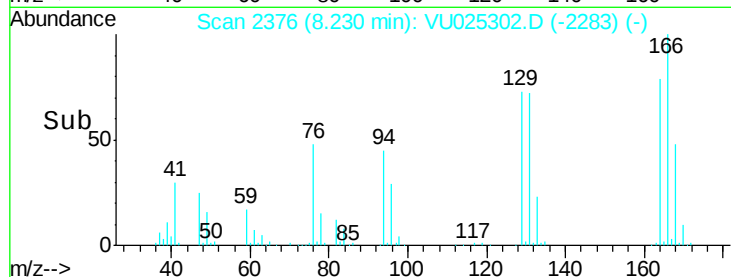
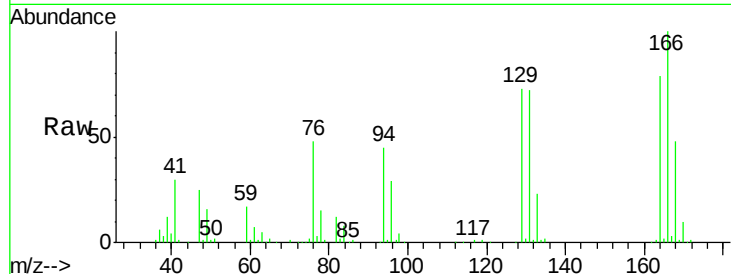
#64
Tetrachloroethene
Concen: 46.74 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.6	115295	101.1	151.7
129	92.4		73.0	109.6
131	90.6		72.1	108.1

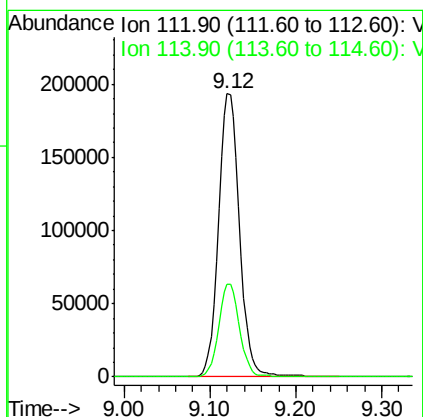
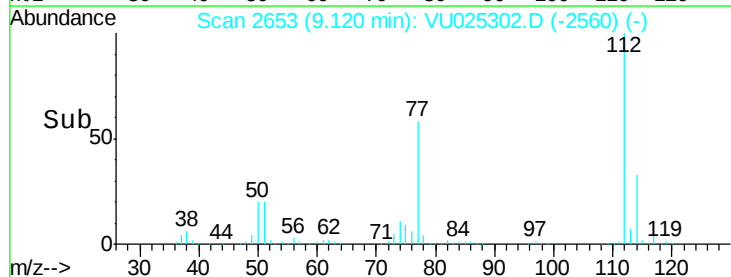
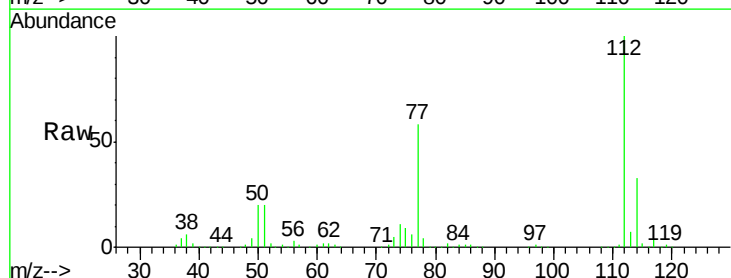
Manual Integrations
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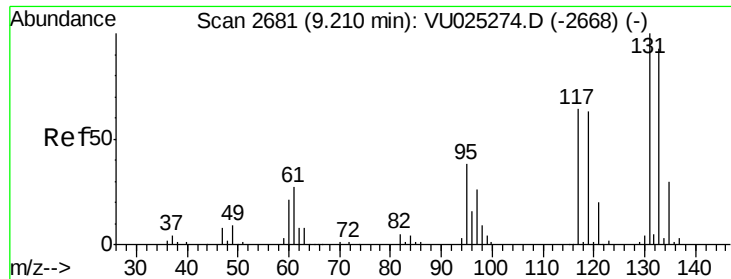
MMDadoda
7/11/2018 5:05:58 PM



#65
Chlorobenzene
Concen: 48.65 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	328886		
114	32.8		25.8	38.8





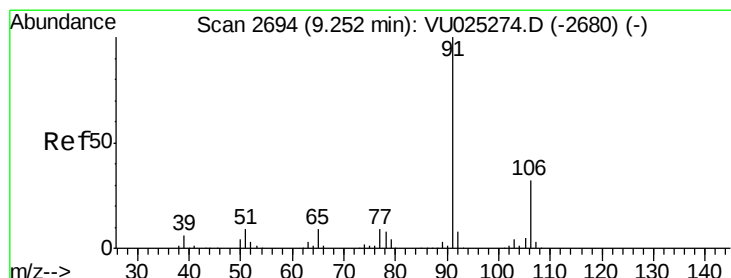
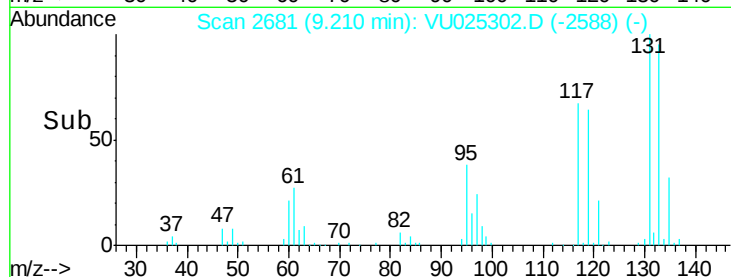
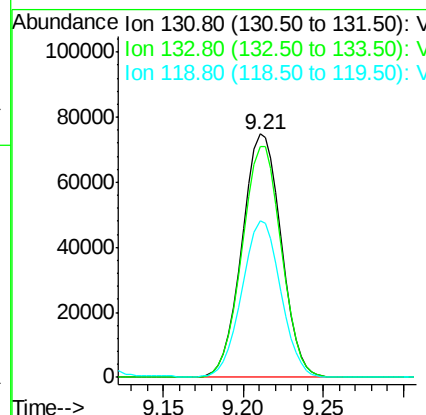
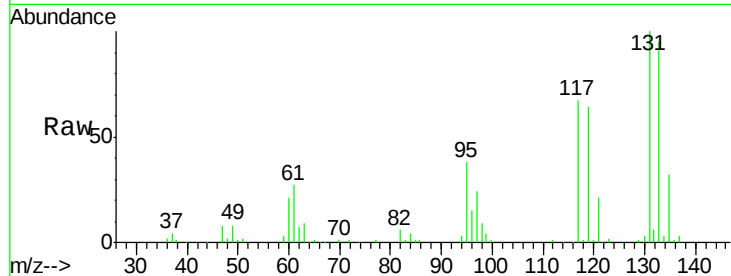
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.48 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	64.2	31.6	95.0

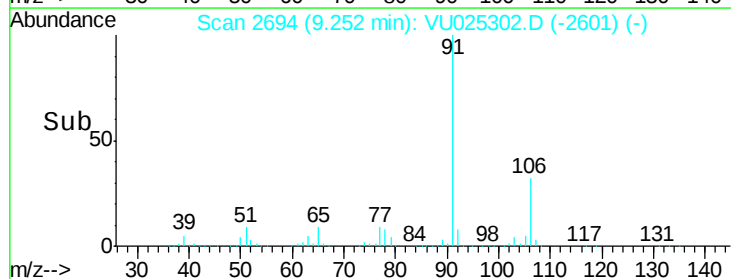
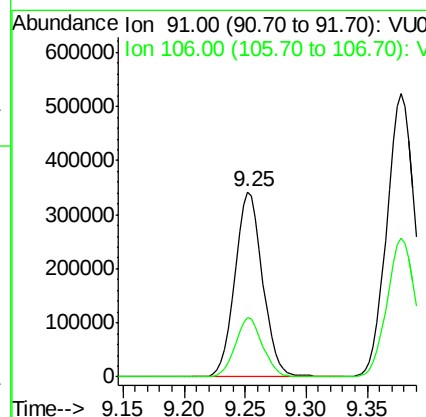
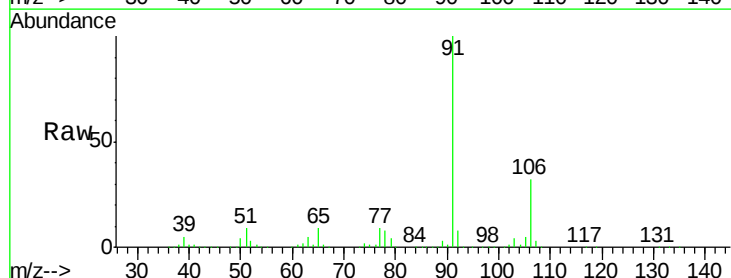
Manual Integrations
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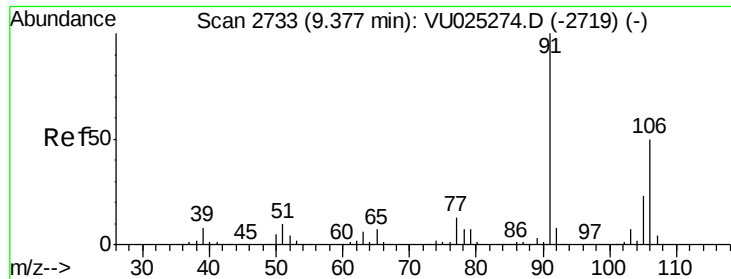
MMDadoda
 7/11/2018 5:05:58 PM



#67
 Ethyl Benzene
 Concen: 47.08 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9





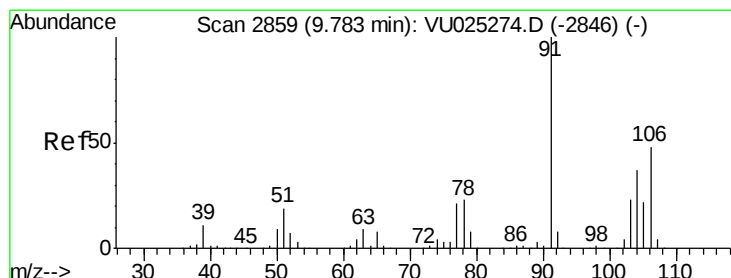
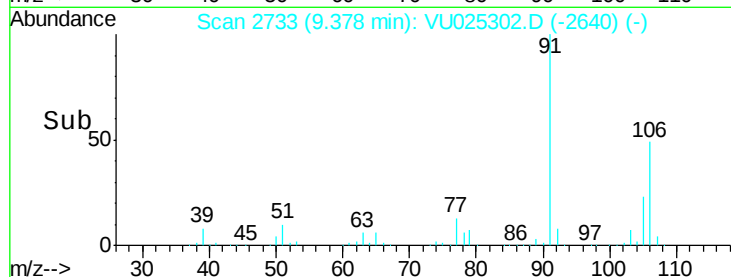
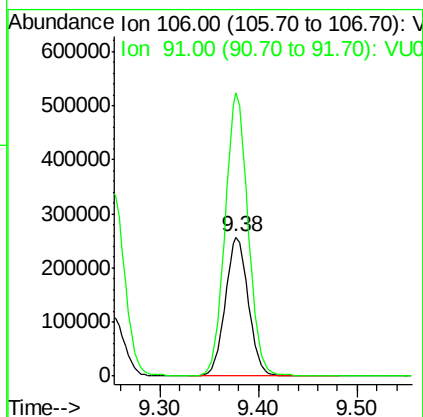
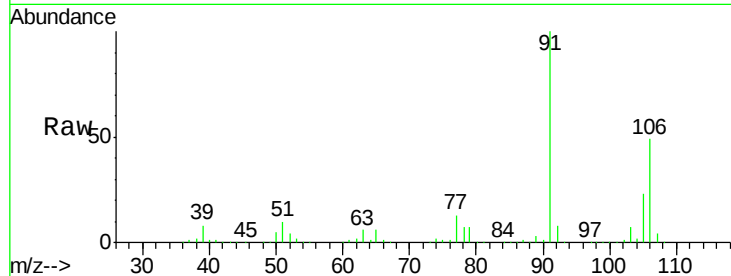
#68
m/p-Xylenes
Concen: 94.83 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
422554	106	100			
	91	203.1	162.3	243.5	

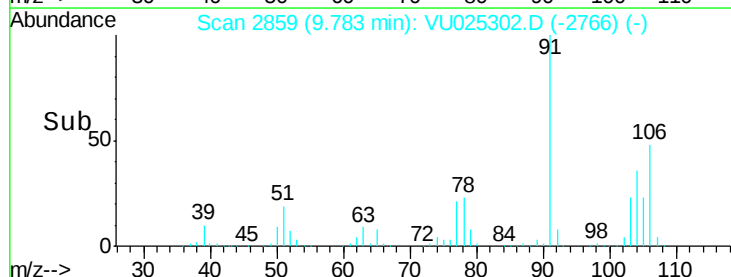
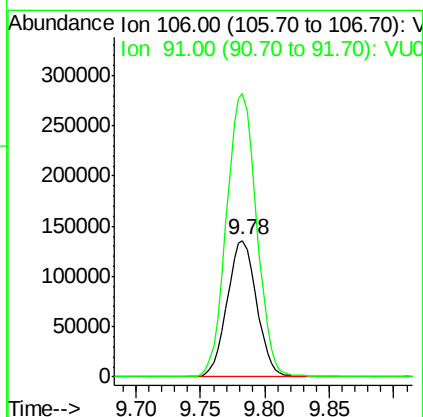
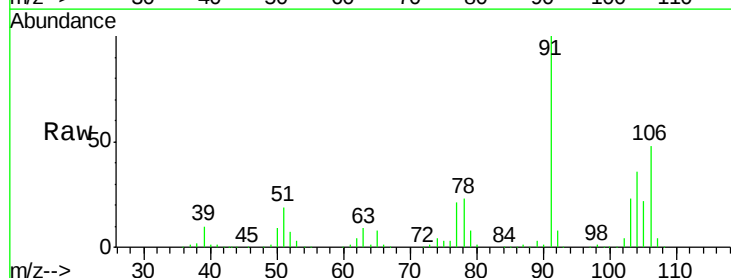
Manual Integrations
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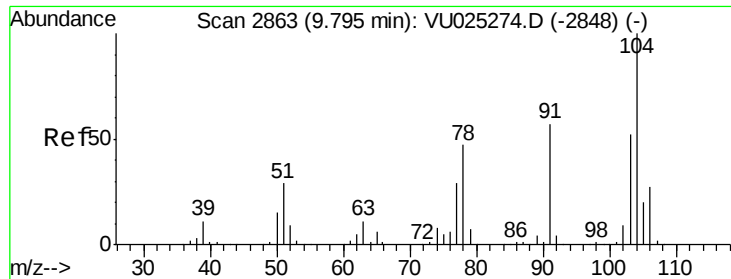
MMDadoda
7/11/2018 5:05:58 PM



#69
o-Xylene
Concen: 48.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
216045	106	100			
	91	212.0	105.3	315.8	





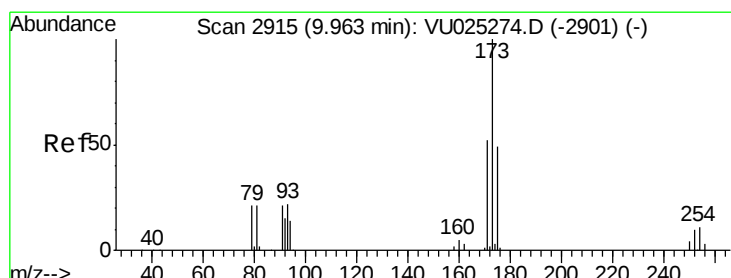
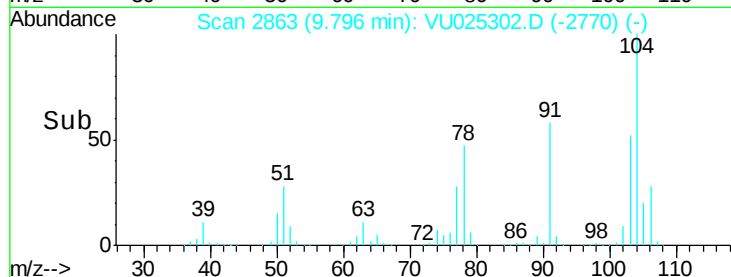
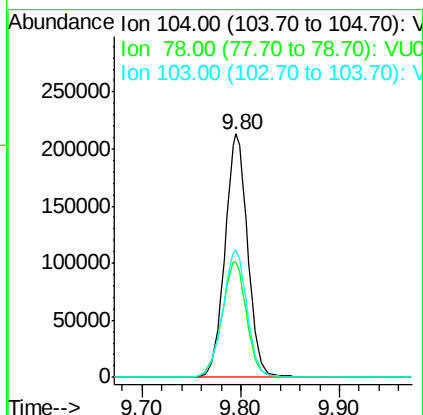
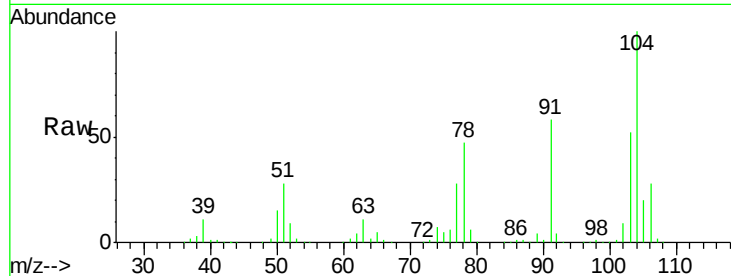
#70
Stvrene
Concen: 48.56 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.6	62.4
103	56.0	44.6	66.8

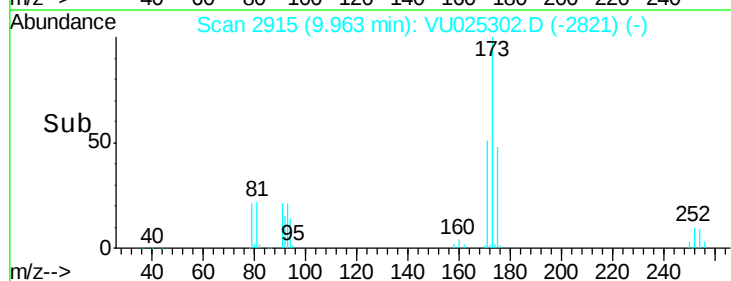
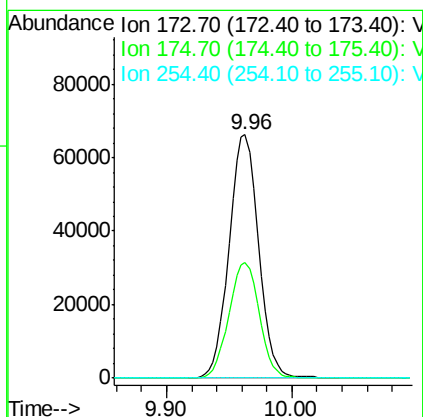
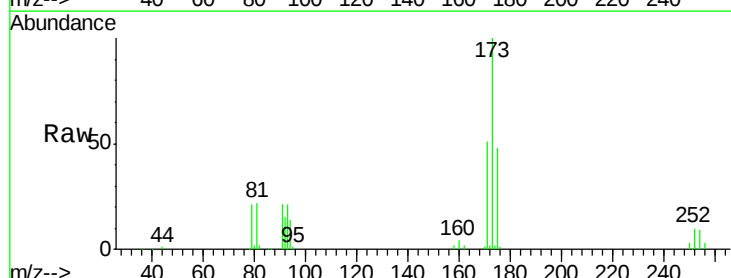
Manual Integrations
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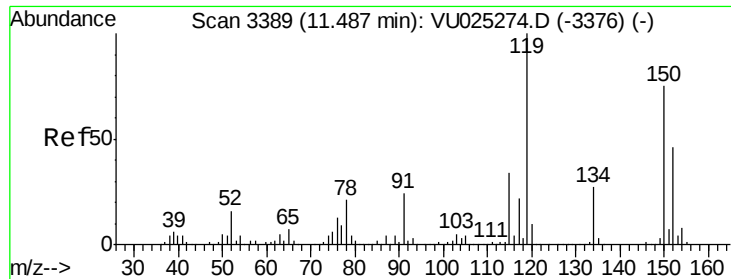
MMDadoda
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#71
Bromoform
Concen: 46.61 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion:152 Resp: 156300

Ion Ratio Lower Upper

152 100

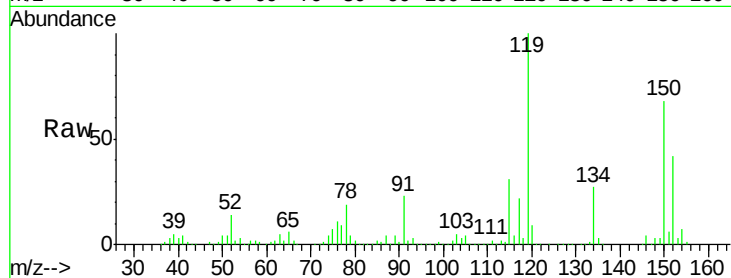
115 80.8 40.1 120.3

150 175.5 0.0 351.4

Manual Integrations
APPROVED

MMDadoda

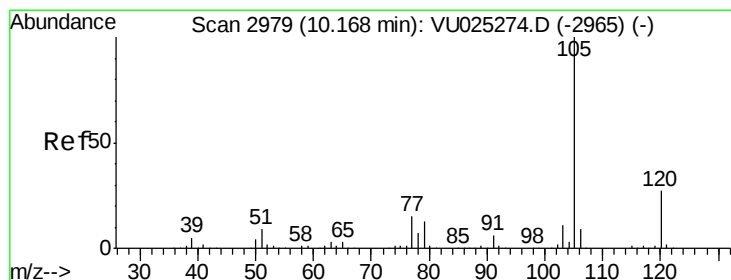
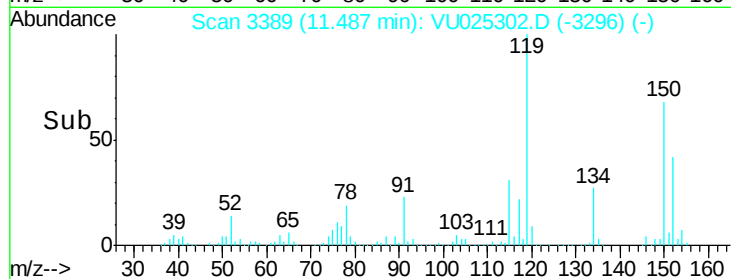
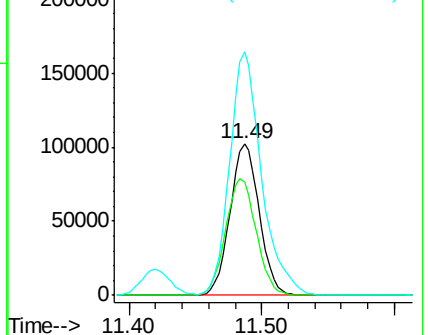
7/11/2018 5:05:58 PM



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: 46.77 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025302.D

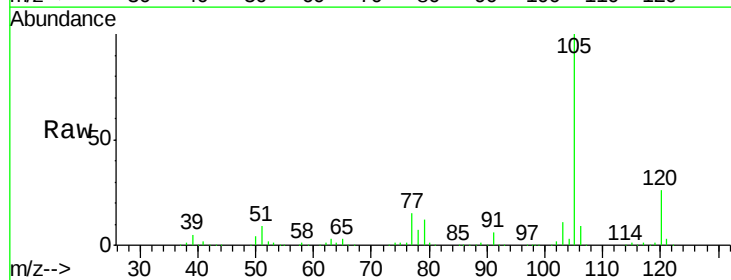
Acq: 10 Jul 2018 20:33

Tgt Ion:105 Resp: 558584

Ion Ratio Lower Upper

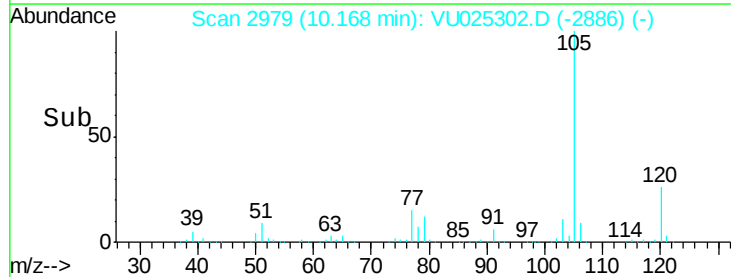
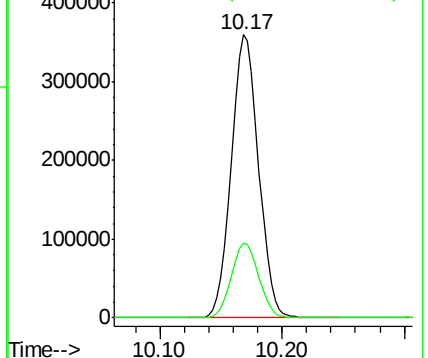
105 100

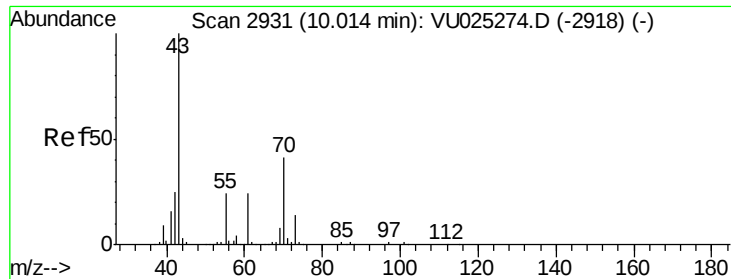
120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.05 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

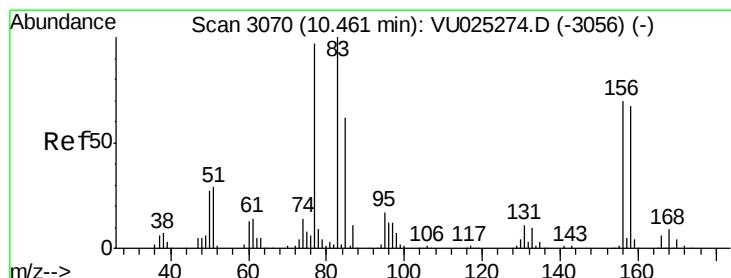
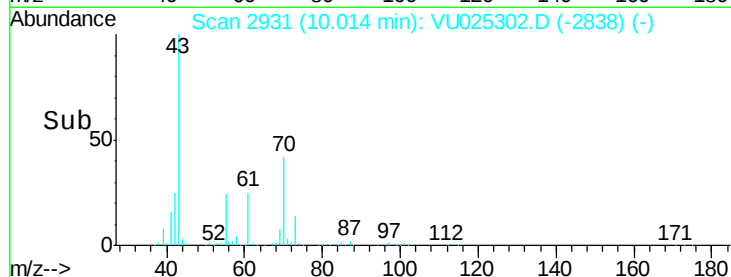
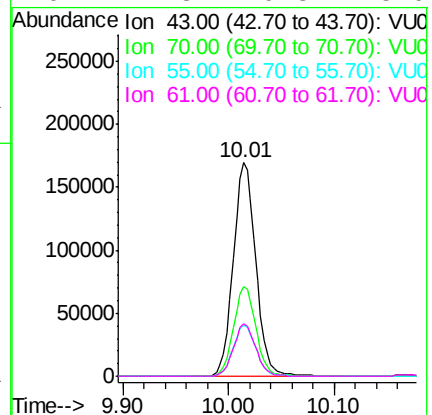
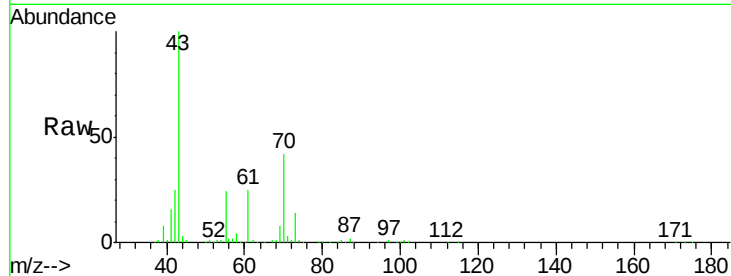
BR-1-070518MS

Tot Ion: 43 Resp: 249676

Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.2
55	24.2	19.0	28.6
61	24.3	19.3	28.9

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 52.41 ug/l

RT: 10.46 min Scan# 3070

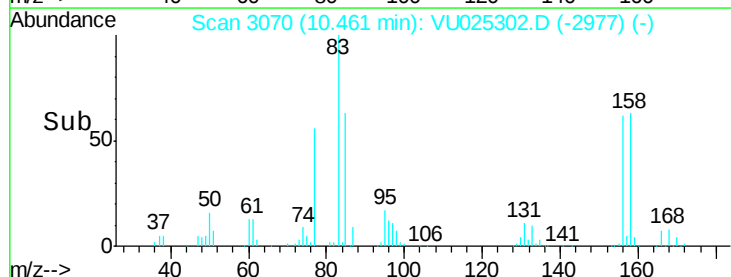
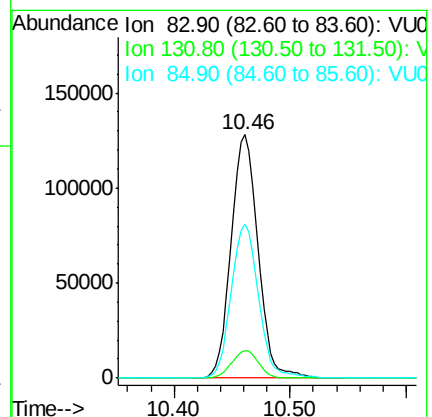
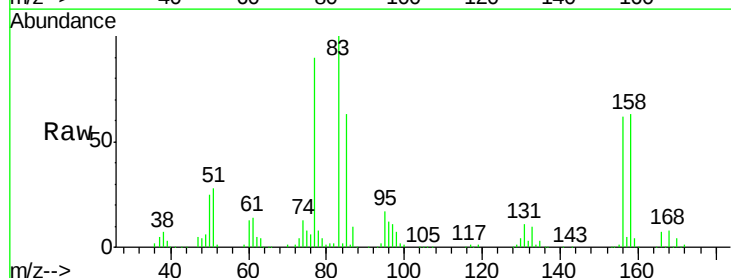
Delta R.T. 0.00 min

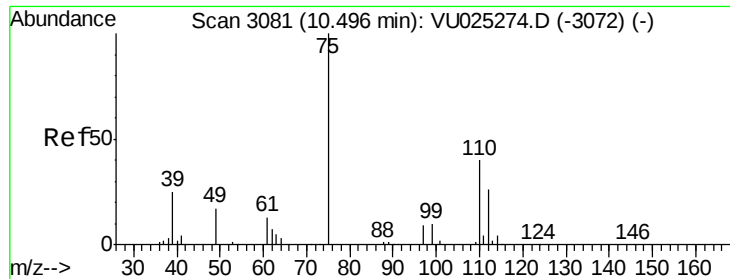
Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion: 83 Resp: 204781

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	64.3	31.6	94.8





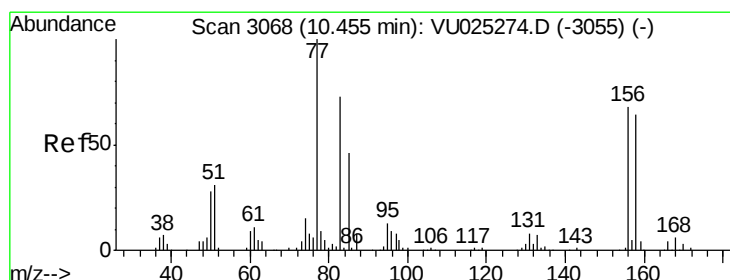
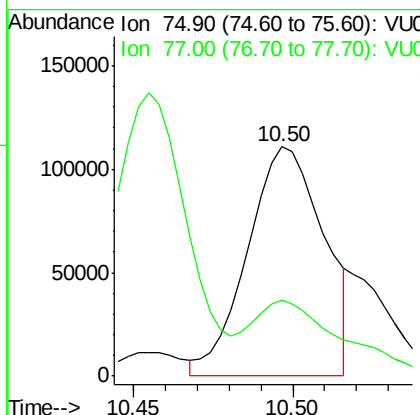
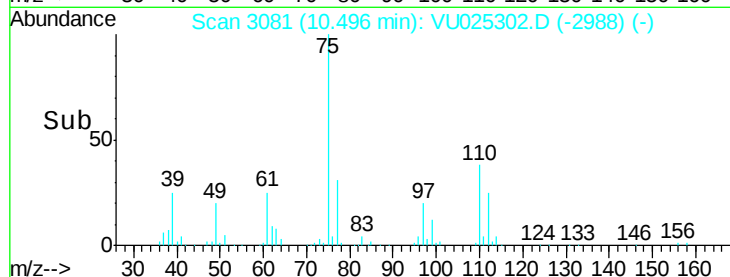
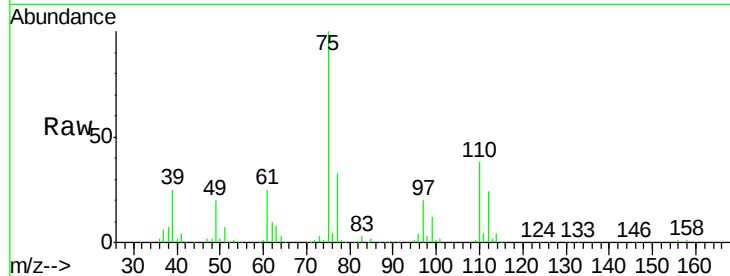
#76
1,2,3-Trichloropropane
Concen: 57.16 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 75 Resp: 184926
Ion Ratio Lower Upper
75 100
77 40.4 20.4 61.3

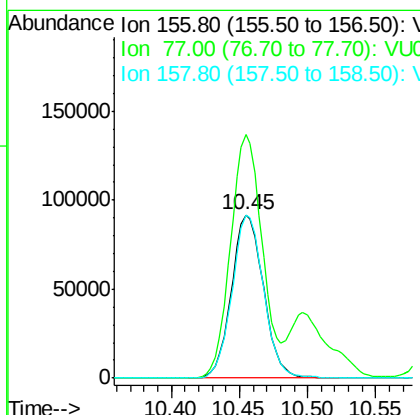
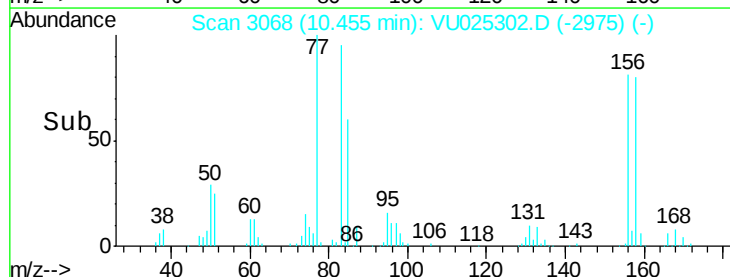
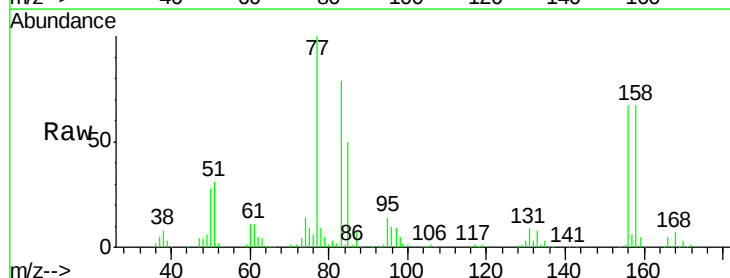
Manual Integrations
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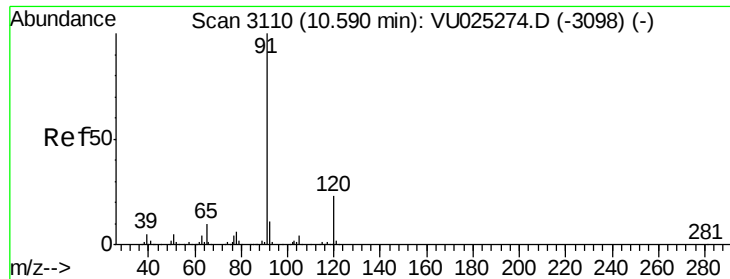
MMDadoda
7/11/2018 5:05:58 PM



#77
Bromobenzene
Concen: 48.89 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 156 Resp: 149367
Ion Ratio Lower Upper
156 100
77 147.6 73.8 221.4
158 98.3 48.0 144.0





#78

n-propylbenzene

Concen: 46.98 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

Tot Ion: 91 Resp: 622608

Ion Ratio Lower Upper

91 100

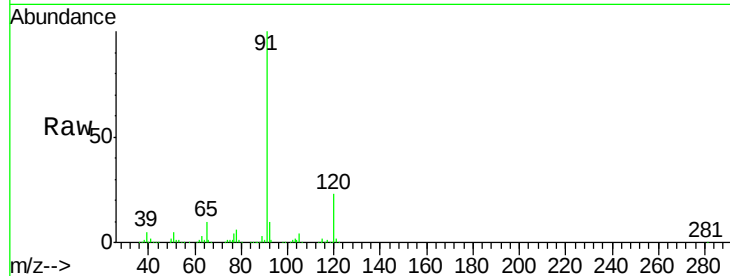
120 23.5 11.8 35.3

Manual Integrations

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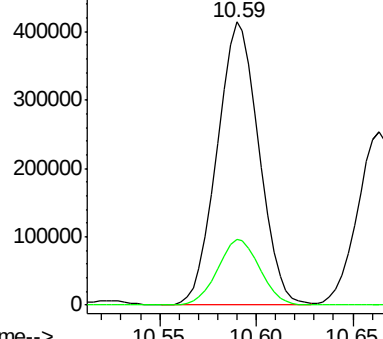
MMDadoda

7/11/2018 5:05:58 PM

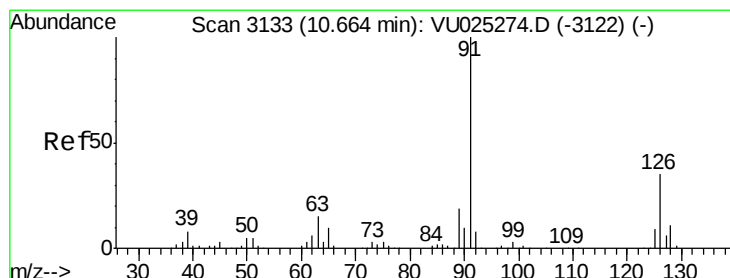
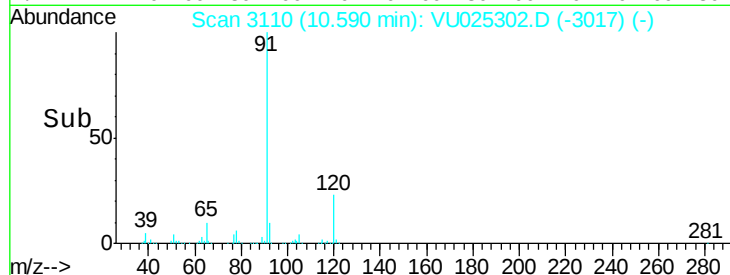


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 50.98 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025302.D

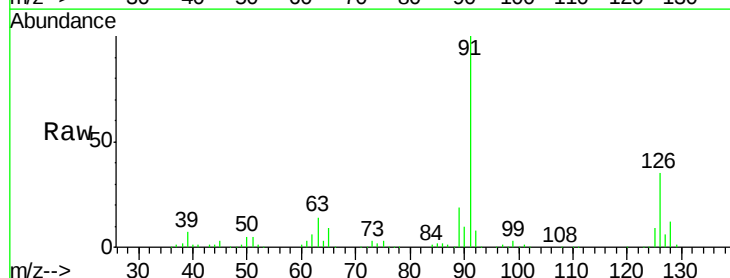
Acq: 10 Jul 2018 20:33

Tgt Ion: 91 Resp: 387913

Ion Ratio Lower Upper

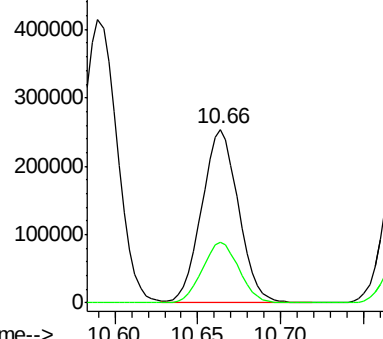
91 100

126 35.2 17.5 52.6

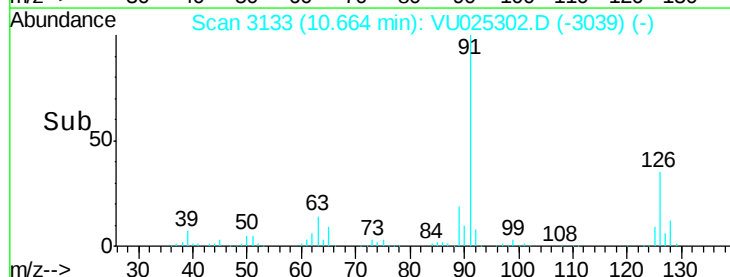


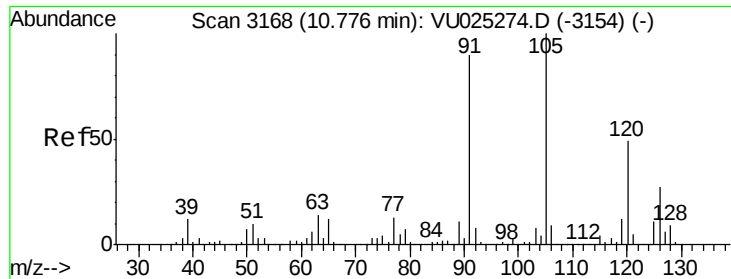
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



Time-->





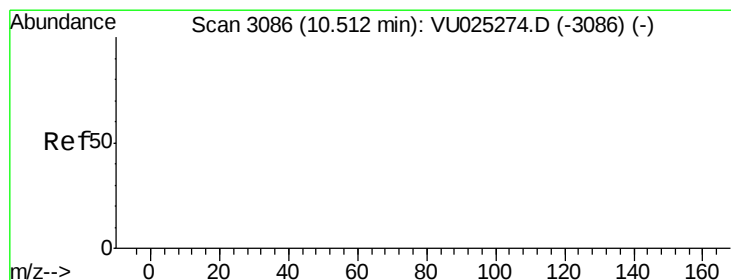
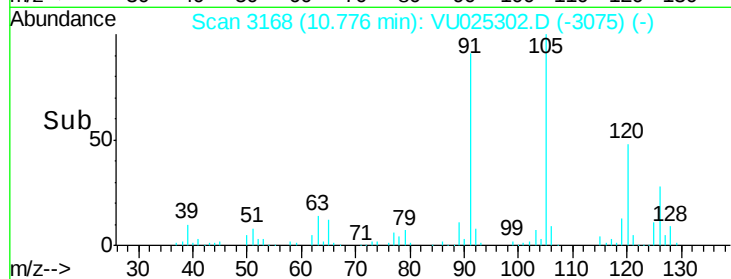
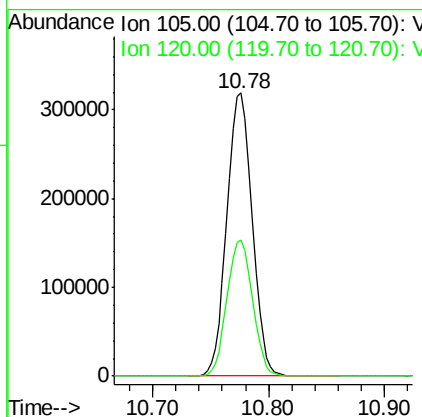
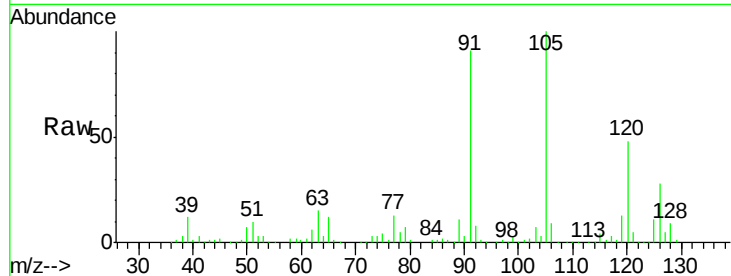
#80
 1,3,5-Trimethylbenzene
 Concen: 47.75 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion: 105 Resp: 479811
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

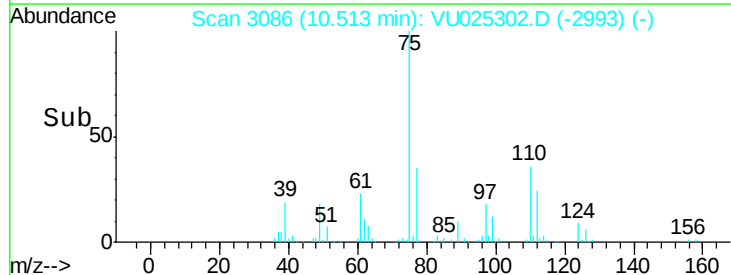
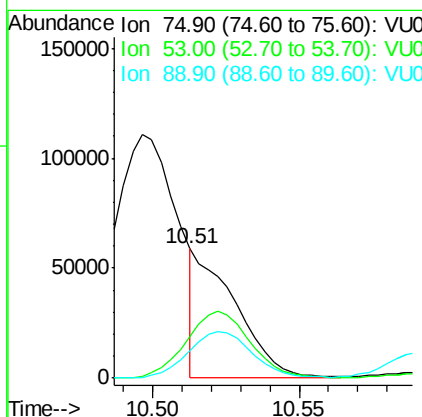
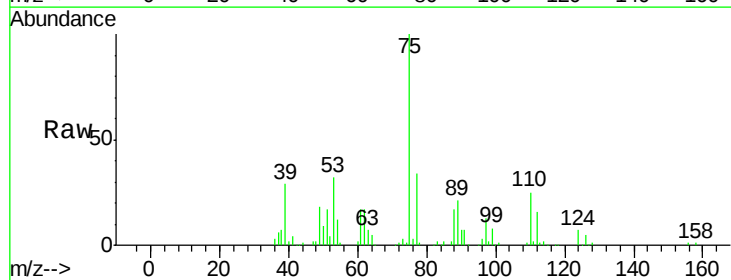
Manual Integrations
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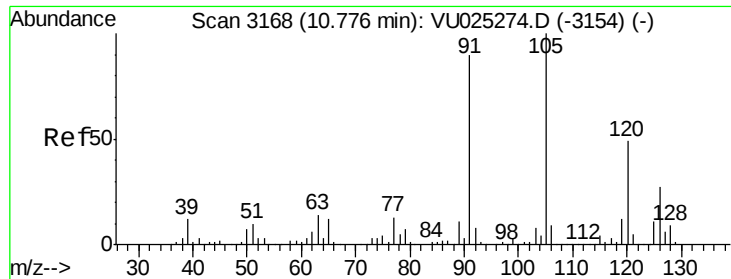
MMDadoda
 7/11/2018 5:05:58 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.09 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 75 Resp: 57395
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





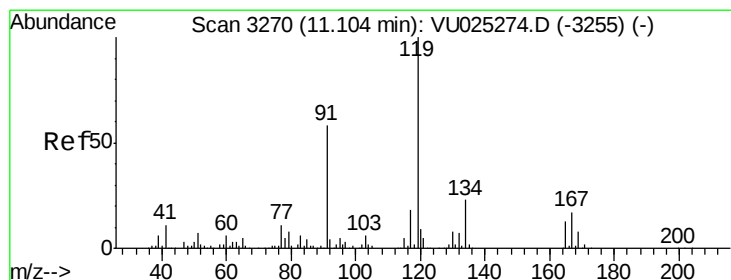
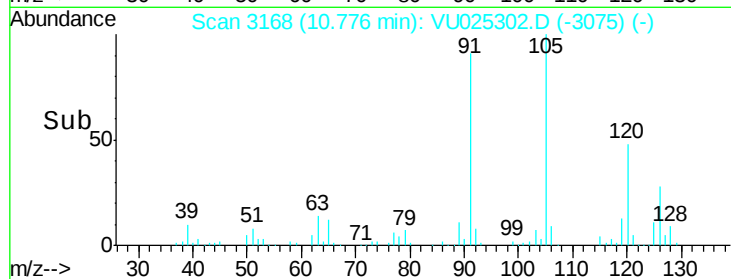
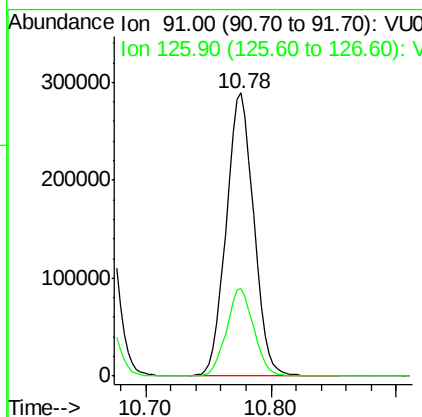
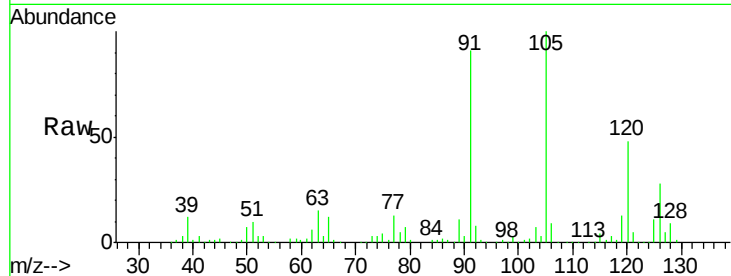
#82
4-Chlorotoluene
Concen: 47.07 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 91 Resp: 441662
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.9

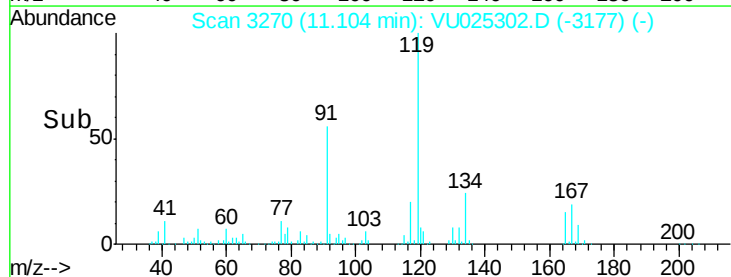
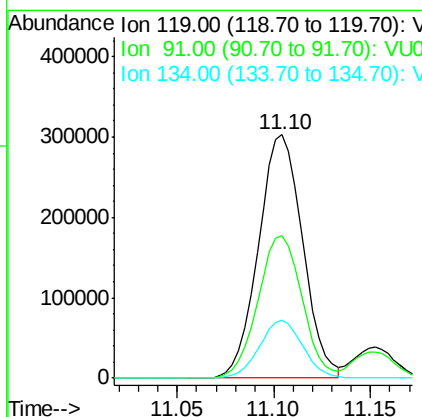
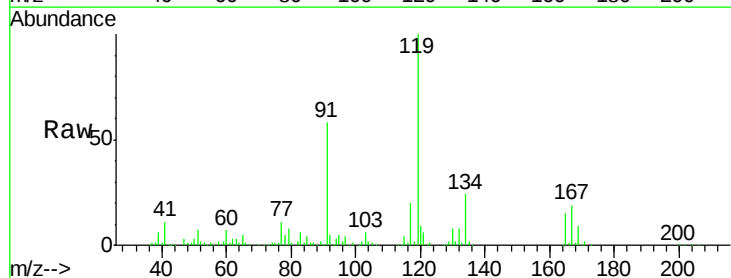
Manual Integrations
APPROVED

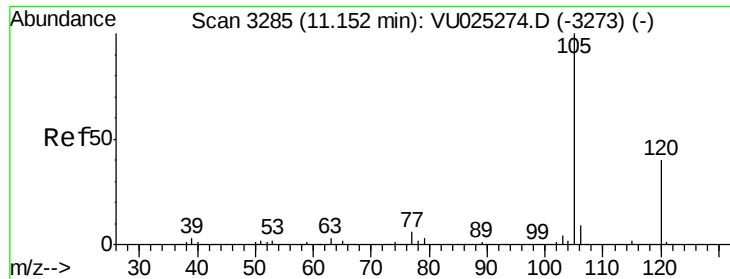
MMDadoda
7/11/2018 5:05:58 PM



#83
tert-Butylbenzene
Concen: 47.37 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 119 Resp: 481042
Ion Ratio Lower Upper
119 100
91 58.5 29.7 89.1
134 23.1 11.5 34.5





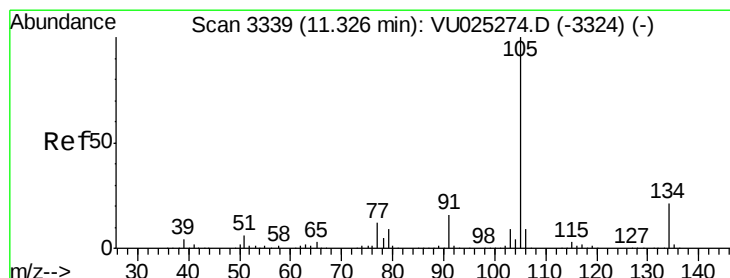
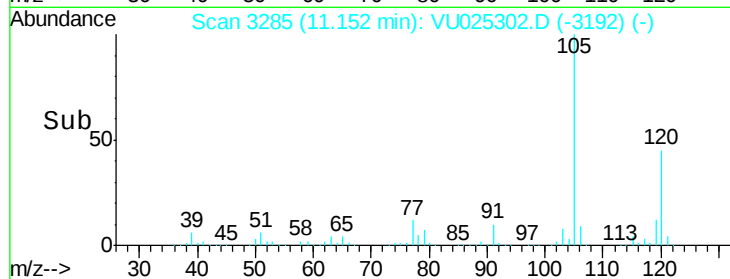
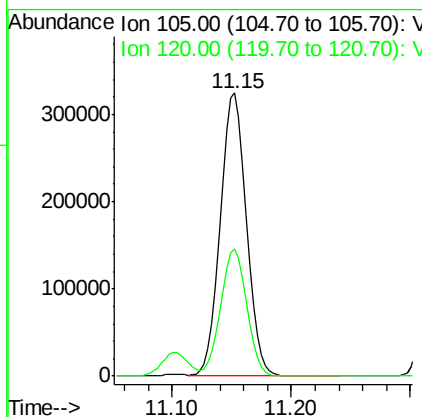
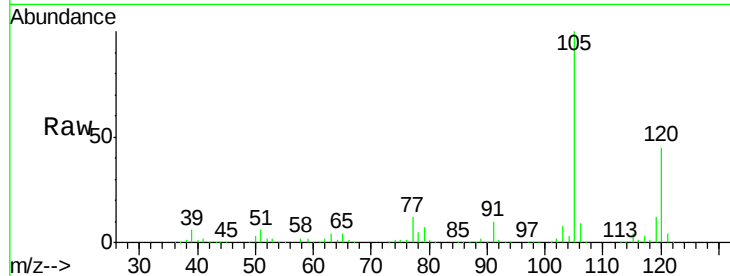
#84
1,2,4-Trimethylbenzene
Concen: 47.82 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.8

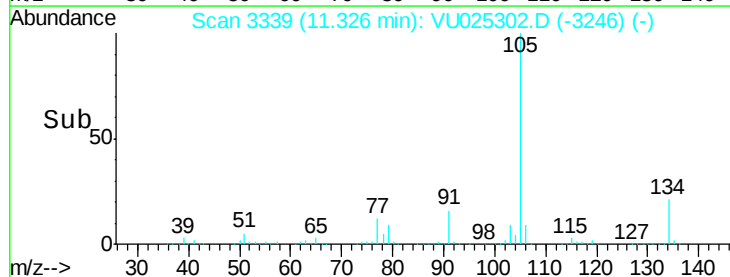
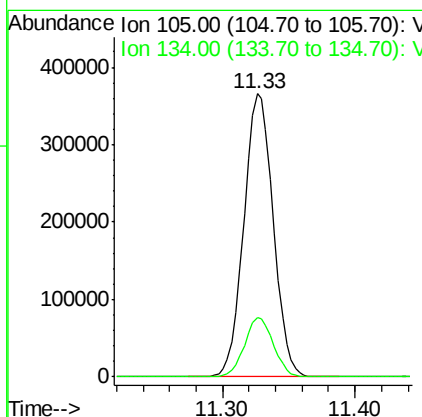
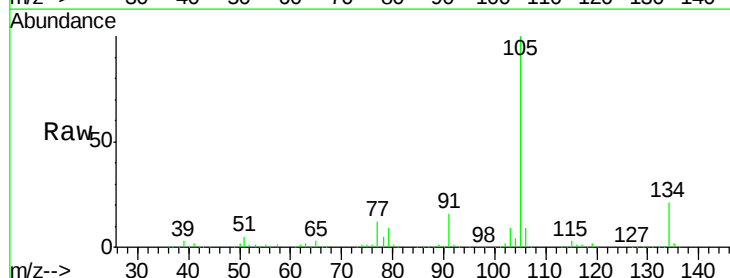
Manual Integrations
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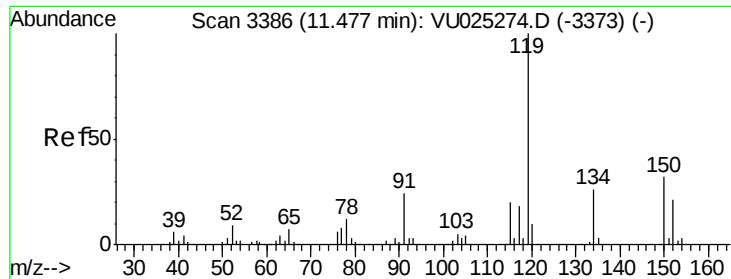
MMDadoda
7/11/2018 5:05:58 PM



#85
sec-Butylbenzene
Concen: 46.90 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8





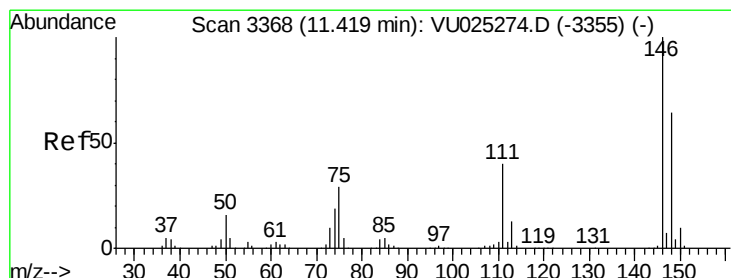
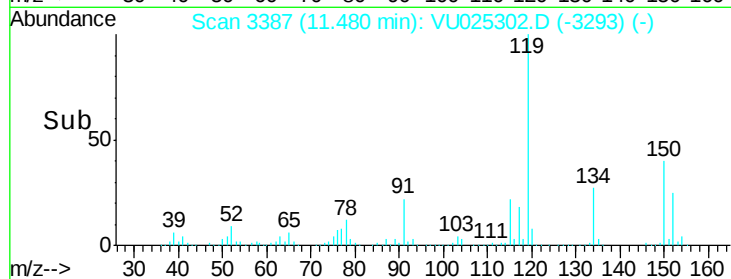
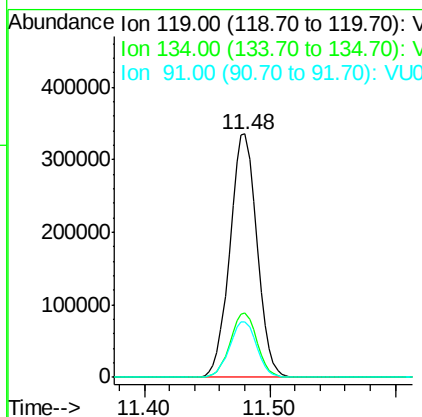
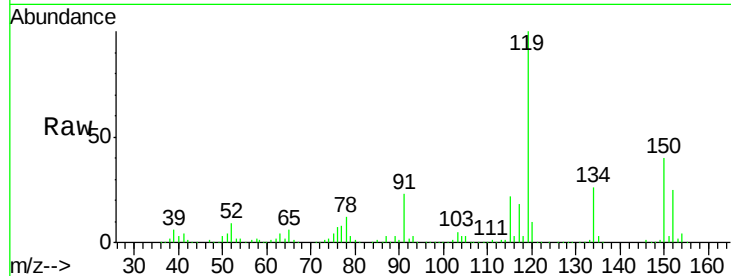
#86
 p-Isopropyltoluene
 Concen: 47.31 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	500834		
134	26.3		13.2	39.5
91	23.0		12.0	36.1

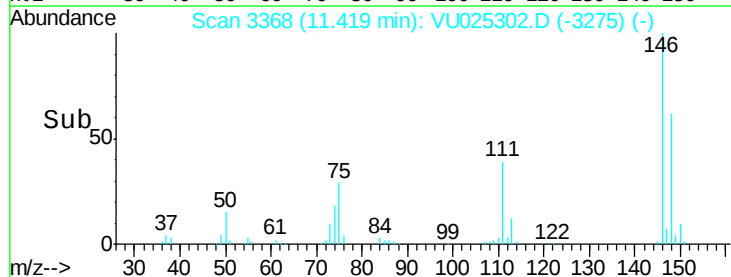
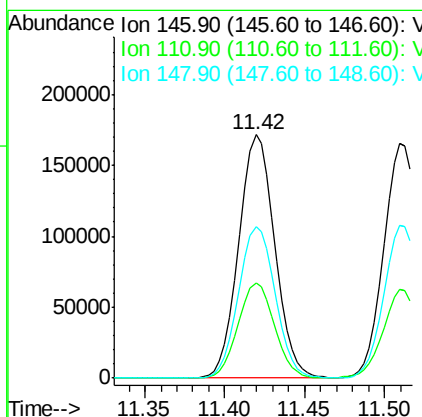
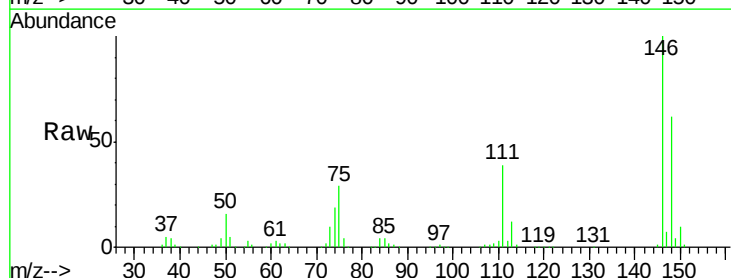
Manual Integrations
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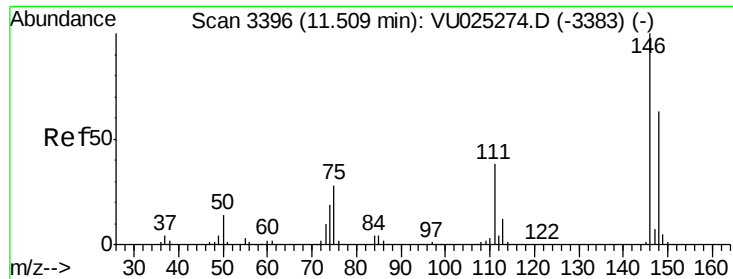
MMDadoda
 7/11/2018 5:05:58 PM



#87
 1,3-Dichlorobenzene
 Concen: 47.12 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	263077		
111	39.6		19.7	59.1
148	63.5		32.1	96.3





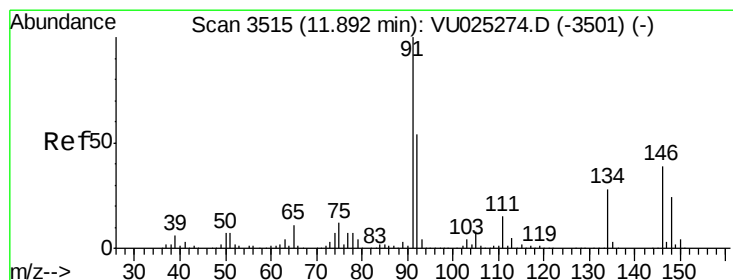
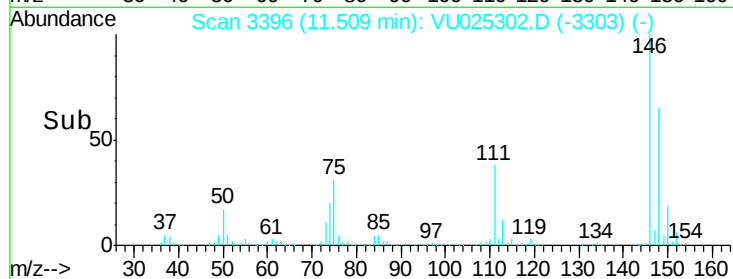
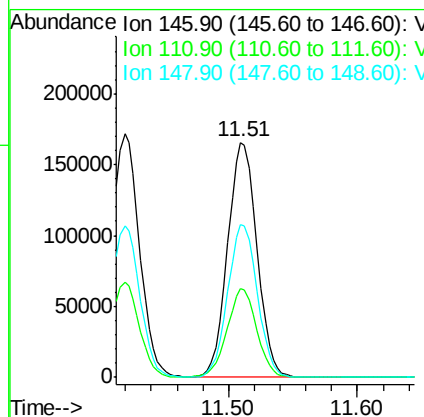
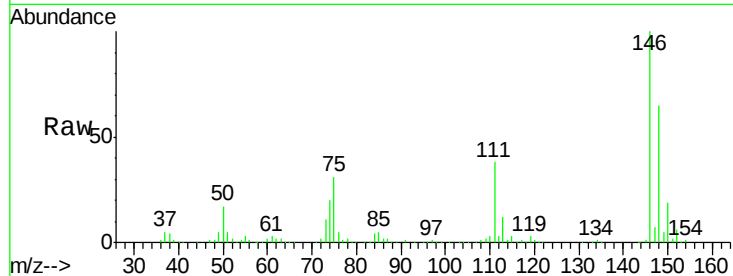
#88
 1,4-Dichlorobenzene
 Concen: 47.89 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	65.6	31.7	95.1

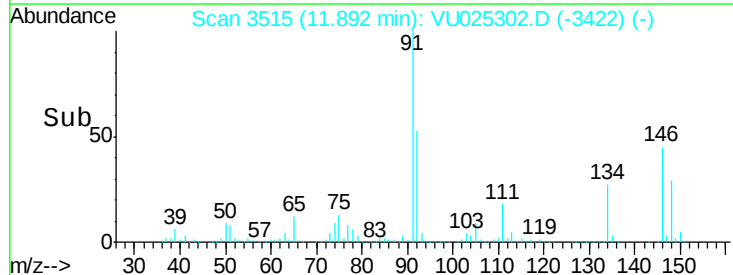
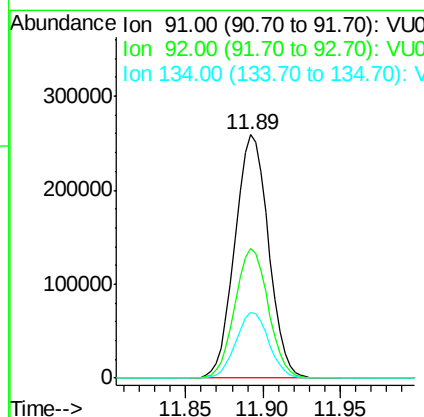
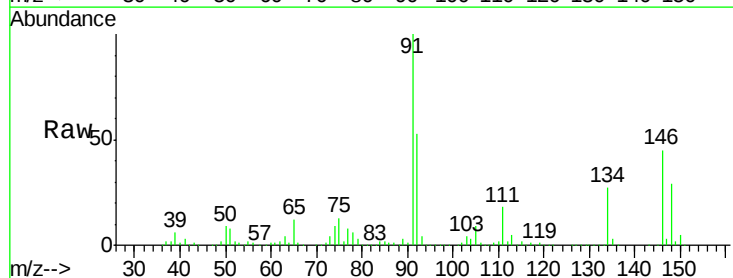
Manual Integrations
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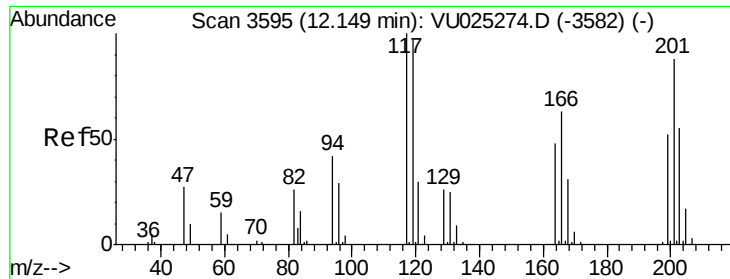
MMDadoda
 7/11/2018 5:05:58 PM



#89
 n-Butylbenzene
 Concen: 44.91 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	26.5	13.6	40.7





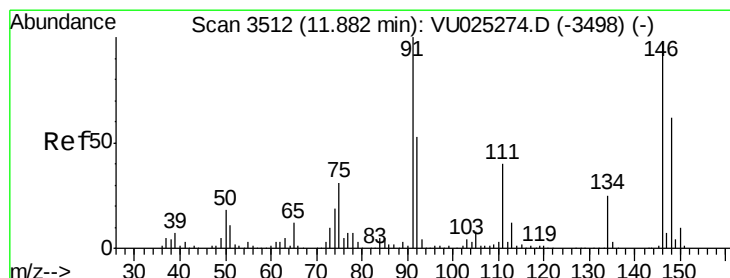
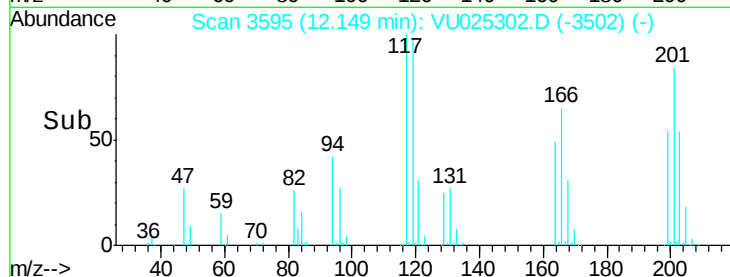
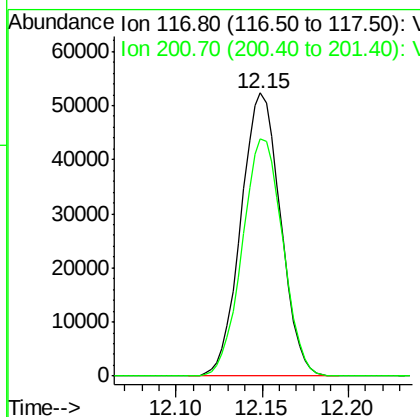
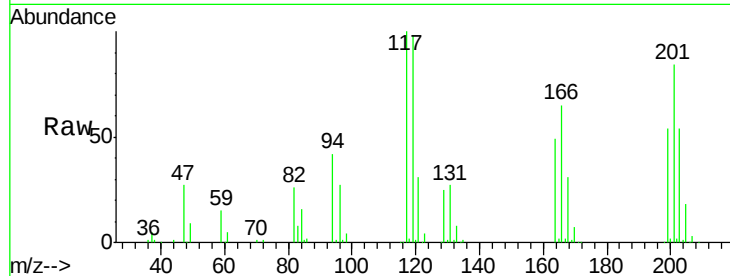
#90
Hexachloroethane
Concen: 46.59 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:117 Resp: 83522
Ion Ratio Lower Upper
117 100
201 85.8 42.5 127.6

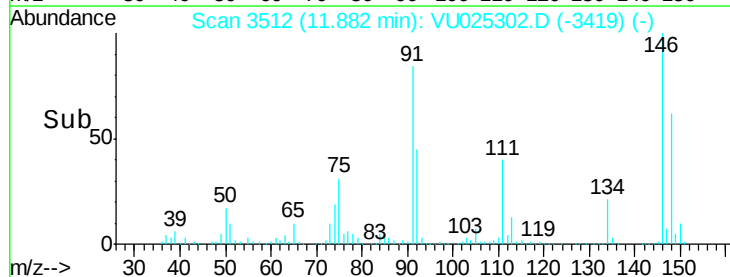
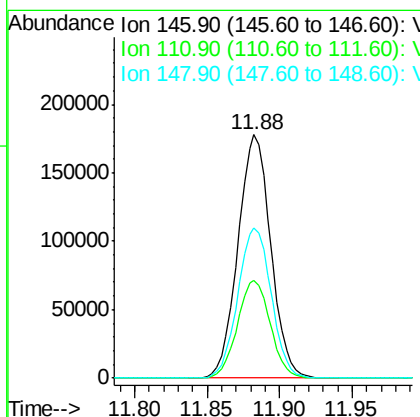
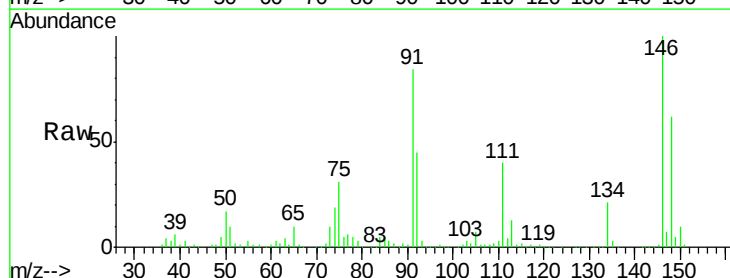
Manual Integrations
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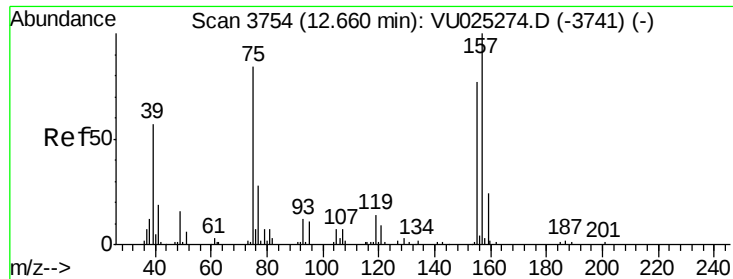
MMDadoda
7/11/2018 5:05:58 PM



#91
1,2-Dichlorobenzene
Concen: 49.54 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion:146 Resp: 279341
Ion Ratio Lower Upper
146 100
111 40.1 20.6 61.8
148 63.0 31.5 94.5





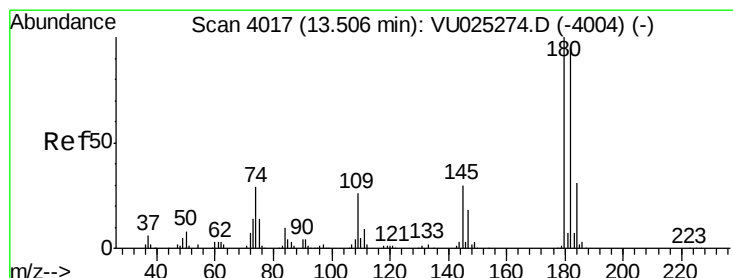
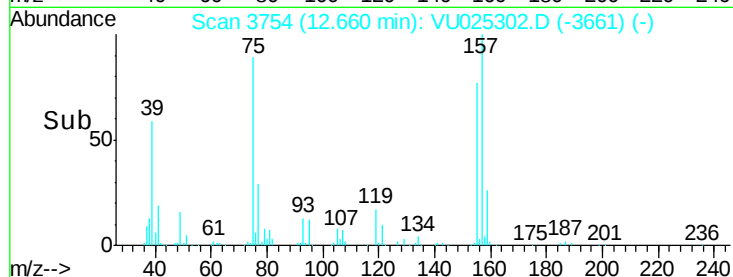
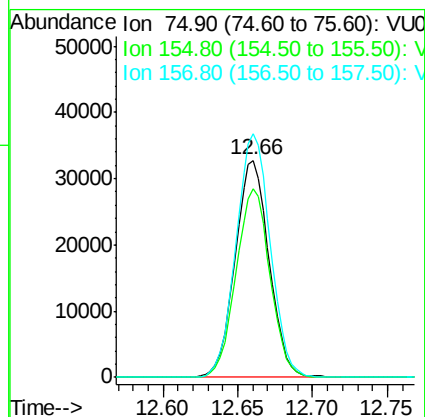
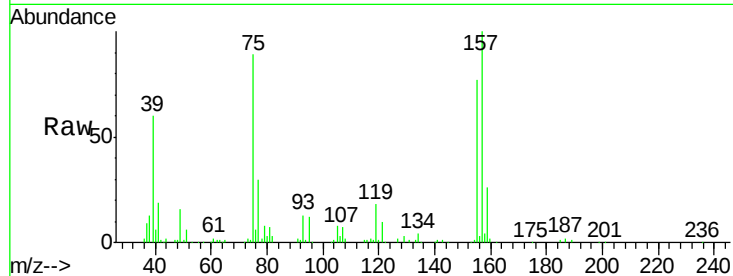
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.58 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.5	133.3
157	113.1	57.0	170.8

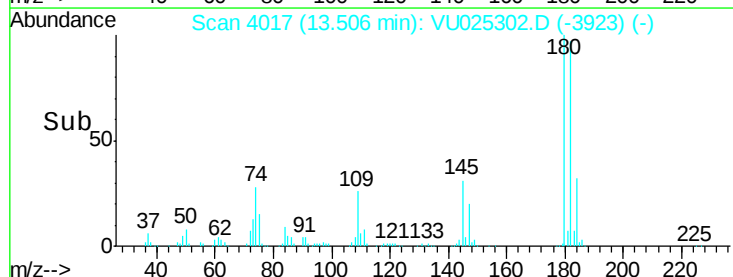
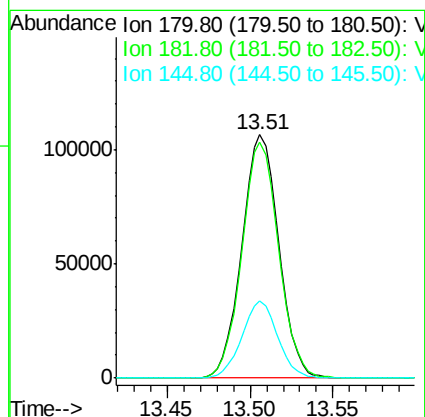
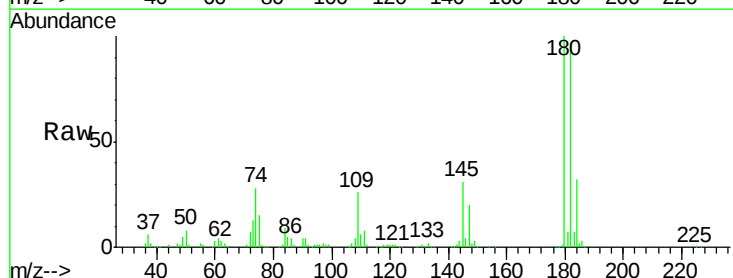
Manual Integrations
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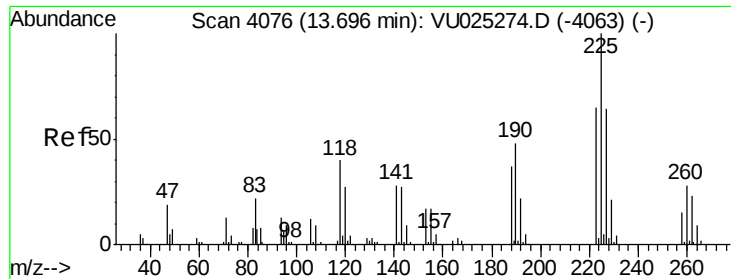
MMDadoda
 7/11/2018 5:05:58 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 44.15 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	30.7	14.9	44.7





#94

Hexachlorobutadiene

Concen: 43.08 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

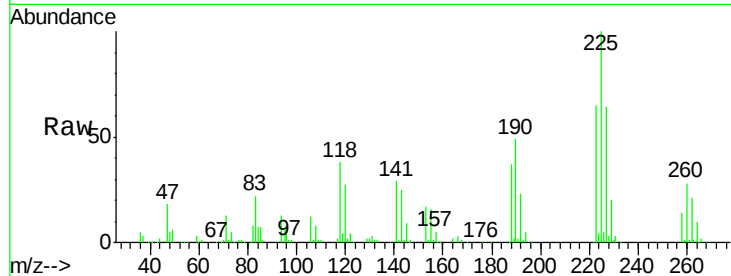
ClientSampleId :

BR-1-070518MS

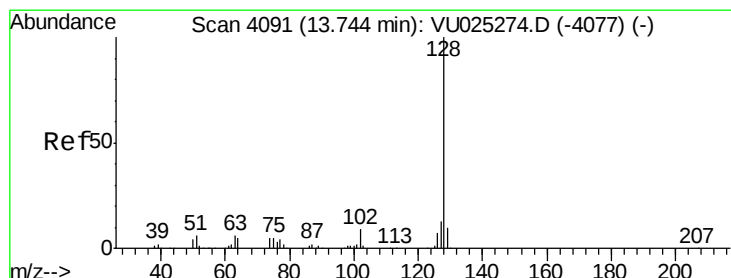
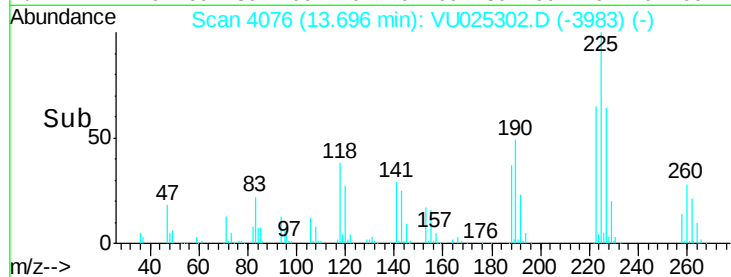
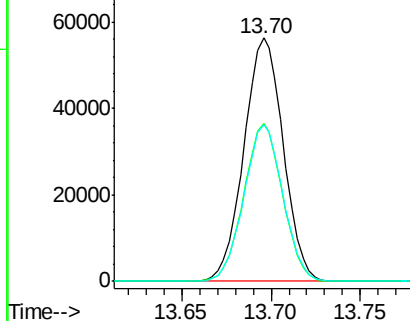
Tot Ion:	225	Resp:	86884
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.9	95.7
227	63.6	32.3	96.9

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.66 ug/l

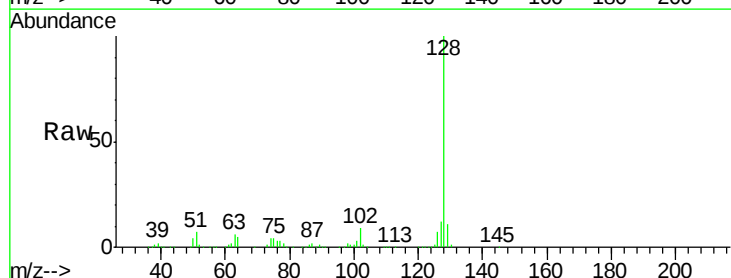
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

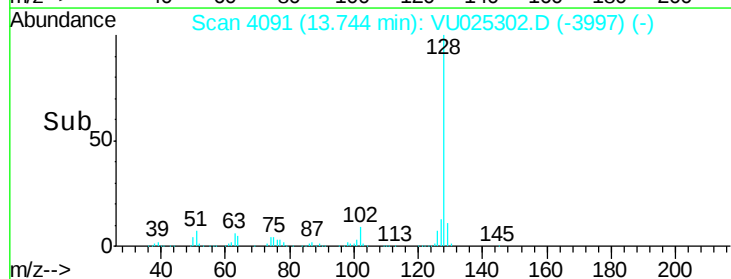
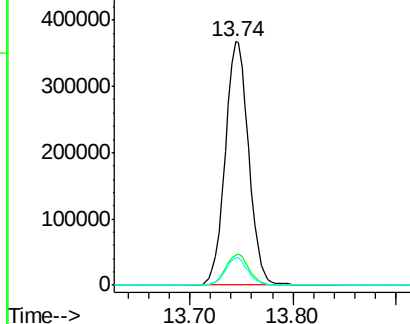
Lab File: VU025302.D

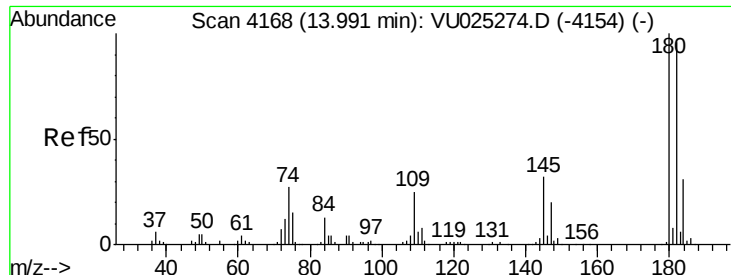
Acq: 10 Jul 2018 20:33

Tgt Ion:	128	Resp:	581754
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.9	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 47.11 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	47.8	143.3
145	32.3	15.6	46.8

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