

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025241.D
 Acq On : 06 Jul 2018 15:33
 Operator : MD/SY
 Sample : VU0707WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:57:58 PM

Quant Time: Jul 06 18:19:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	185654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271665	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138162	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	4.89	113	110783	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	373978	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
62) 4-Bromofluorobenzene	10.31	95	149930	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37930	16.322	ug/l	99
3) Chloromethane	1.33	50	38348	16.153	ug/l	99
4) Vinyl Chloride	1.40	62	40796	16.662	ug/l	99
5) Bromomethane	1.62	94	26972	22.788	ug/l	99
6) Chloroethane	1.70	64	27149	19.195	ug/l	98
7) Trichlorofluoromethane	1.89	101	66738	17.861	ug/l	98
8) Diethyl Ether	2.10	74	24560	18.115	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41867	18.061	ug/l	98
10) Methyl Iodide	2.41	142	39421	23.258	ug/l	97
11) Tert butyl alcohol	2.82	59	61651	83.637	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35519	16.802	ug/l	97
13) Acrolein	2.19	56	35231	91.016	ug/l	98
14) Allyl chloride	2.59	41	62574	15.942	ug/l	98
15) Acrylonitrile	2.93	53	127005	88.557	ug/l	100
16) Acetone	2.32	43	153590	94.316	ug/l	99
17) Carbon Disulfide	2.48	76	94533	13.966	ug/l	99
18) Methyl Acetate	2.62	43	61120	17.507	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	143857	18.104	ug/l	95
20) Methylene Chloride	2.70	84	45255	17.711	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	40385	17.345	ug/l	94
22) Diisopropyl ether	3.57	45	140272	18.028	ug/l	93
23) Vinyl Acetate	3.53	43	611190	87.689	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79327	17.723	ug/l	99
25) 2-Butanone	4.26	43	200508	91.665	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74443	17.515	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	48932	18.280	ug/l	98
28) Bromochloromethane	4.55	49	40695	20.641	ug/l	87
29) Tetrahydrofuran	4.63	42	116586	86.068	ug/l	97
30) Chloroform	4.68	83	84828	18.724	ug/l	98
31) Cyclohexane	5.00	56	71448	16.659	ug/l	# 90
32) 1,1,1-Trichloroethane	4.92	97	75724	18.075	ug/l	98
36) 1,1-Dichloropropene	5.14	75	57692	18.072	ug/l	95
37) Ethyl Acetate	4.38	43	68805	19.775	ug/l	97
38) Carbon Tetrachloride	5.14	117	67417	19.205	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72120	18.104	ug/l	97
40) Benzene	5.39	78	170962	18.795	ug/l	100
41) Methacrylonitrile	4.54	41	36864	19.651	ug/l	97
42) 1,2-Dichloroethane	5.41	62	71785	20.721	ug/l	99
43) Isopropyl Acetate	5.55	43	110244	18.331	ug/l	99
44) Trichloroethene	6.19	130	49138	18.981	ug/l	95
45) 1,2-Dichloropropane	6.44	63	46218	19.043	ug/l	98
46) Dibromomethane	6.56	93	33350	19.562	ug/l	96
47) Bromodichloromethane	6.76	83	63146	18.601	ug/l	98
48) Methyl methacrylate	6.63	41	55421	18.924	ug/l	98
49) 1,4-Dioxane	6.62	88	25763	449.838	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	355151	93.994	ug/l	99
52) Toluene	7.64	92	111448	19.044	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	66245	17.376	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	72437	17.832	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	45362	19.069	ug/l	98
56) Ethyl methacrylate	8.02	69	73193	18.383	ug/l	99
57) 1,3-Dichloropropane	8.25	76	78585	19.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	123959	81.265	ug/l	94
59) 2-Hexanone	8.36	43	282241	91.496	ug/l	100
60) Dibromochloromethane	8.48	129	49649	16.737	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49734	18.784	ug/l	99
64) Tetrachloroethene	8.23	164	45718	19.184	ug/l	99
65) Chlorobenzene	9.12	112	128070	19.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	47286	19.433	ug/l	98
67) Ethyl Benzene	9.25	91	217756	19.394	ug/l	99
68) m/p-Xylenes	9.38	106	170236	39.484	ug/l	96
69) o-Xylene	9.78	106	84509	19.805	ug/l	95
70) Styrene	9.80	104	133492	19.037	ug/l	98
71) Bromoform	9.96	173	37647	16.277	ug/l #	98
73) Isopropylbenzene	10.17	105	228092	19.908	ug/l	100
74) N-amyl acetate	10.01	43	94108	17.269	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	74387	19.375	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	69130m	21.041	ug/l	
77) Bromobenzene	10.45	156	58348	20.116	ug/l	94
78) n-propylbenzene	10.59	91	251682	18.648	ug/l	96
79) 2-Chlorotoluene	10.66	91	157006	19.726	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	193453	19.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	23672m	16.675	ug/l	
82) 4-Chlorotoluene	10.78	91	176593	19.063	ug/l	99
83) tert-Butylbenzene	11.10	119	194518	20.363	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	194585	19.227	ug/l	100
85) sec-Butylbenzene	11.33	105	231310	19.345	ug/l	97
86) p-Isopropyltoluene	11.48	119	204910	19.134	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	103050	19.230	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	103438	19.178	ug/l	99
89) n-Butylbenzene	11.89	91	161788	17.017	ug/l	98
90) Hexachloroethane	12.15	117	32330	15.476	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	106583	19.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17852	16.851	ug/l	95

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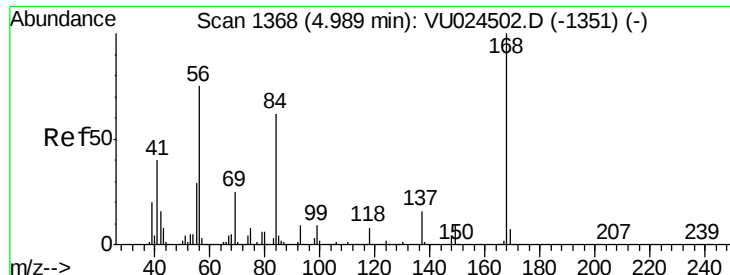
Manual Integrations
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7/9/2018 12:57:58 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	62406	18.828	ug/l	98
94) Hexachlorobutadiene	13.70	225	36245	19.428	ug/l	96
95) Naphthalene	13.75	128	197785	18.459	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65198	19.740	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion:168 Resp: 185654

Ion Ratio Lower Upper

168 100

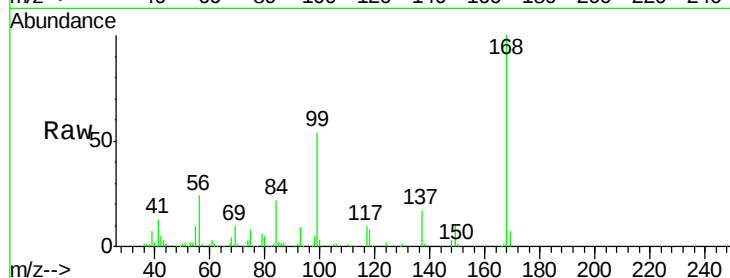
99 53.5 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

100000

80000

60000

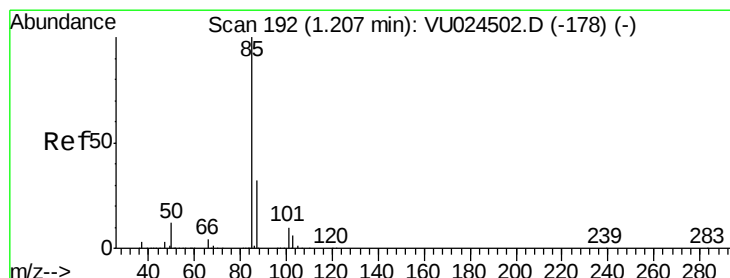
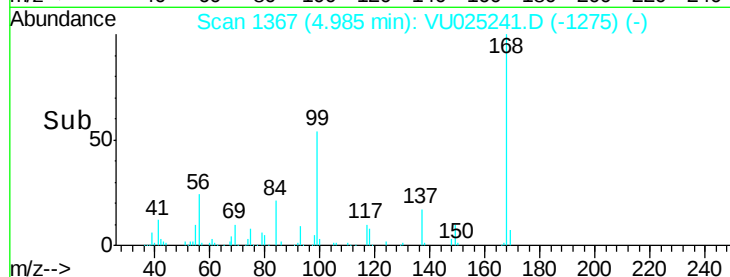
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.322 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025241.D

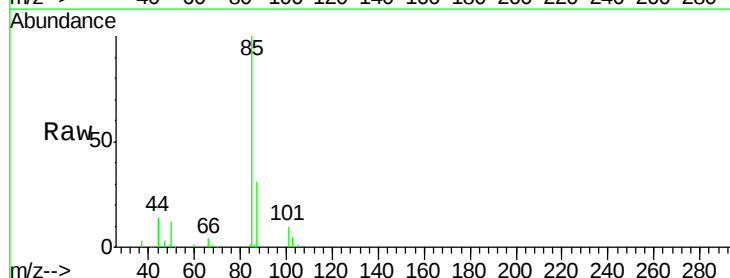
Acq: 06 Jul 2018 15:33

Tgt Ion: 85 Resp: 37930

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

40000

30000

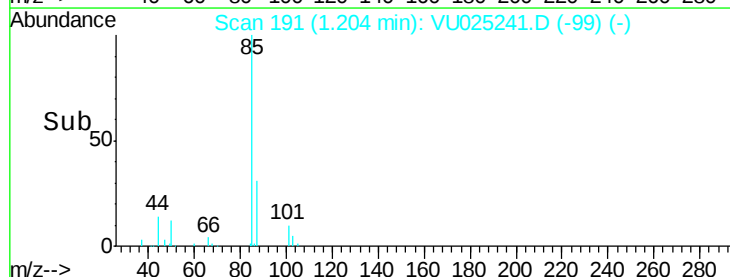
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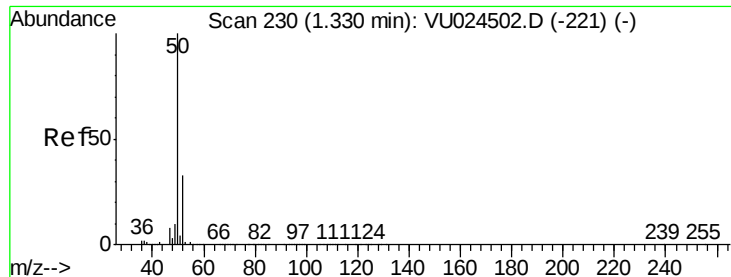
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.153 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 50 Resp: 38348

Ion Ratio Lower Upper

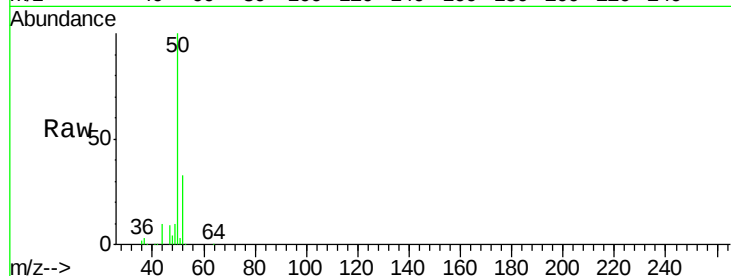
50 100

52 33.3 26.4 39.6

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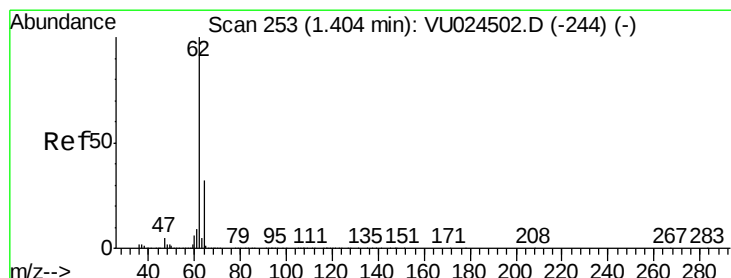
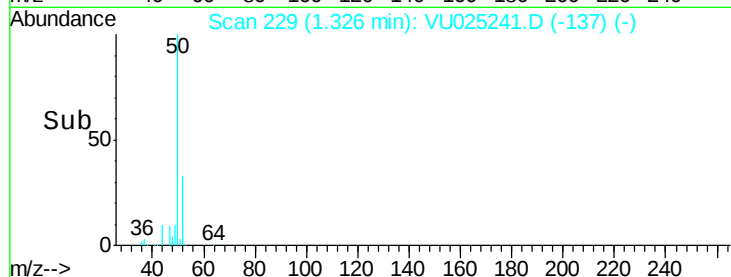
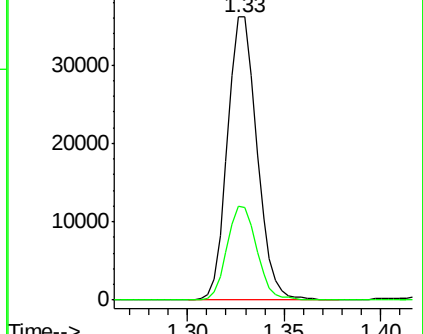
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 16.662 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025241.D

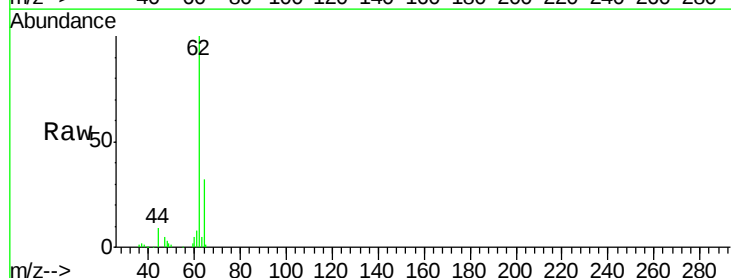
Acq: 06 Jul 2018 15:33

Tgt Ion: 62 Resp: 40796

Ion Ratio Lower Upper

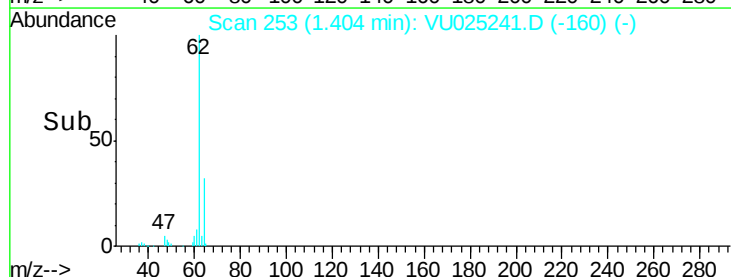
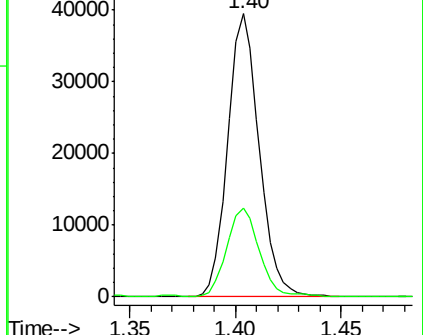
62 100

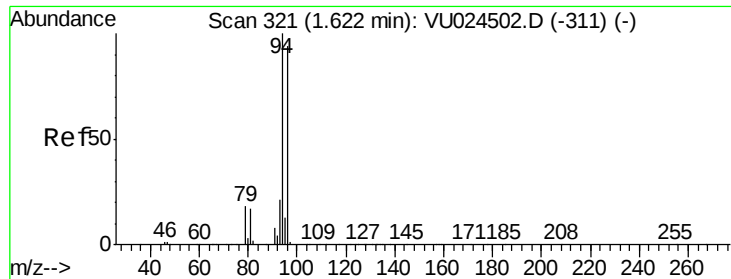
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.788 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 94 Resp: 26972

Ion Ratio Lower Upper

94 100

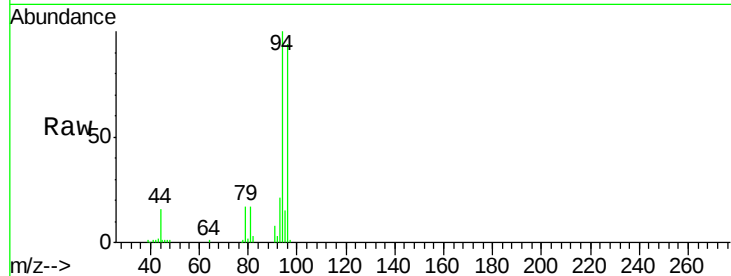
96 94.0 74.5 111.7

Manual Integrations

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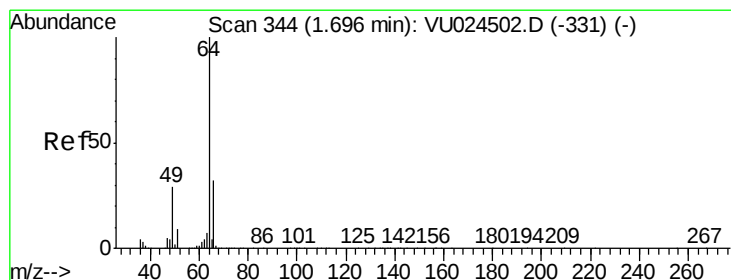
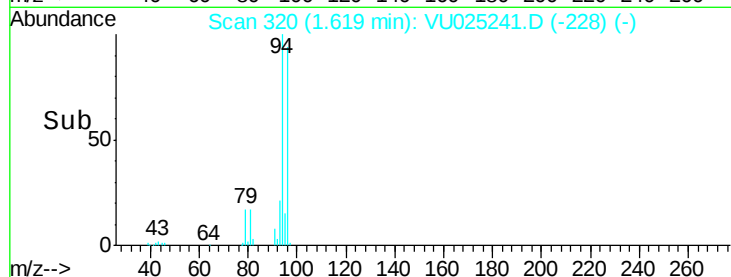
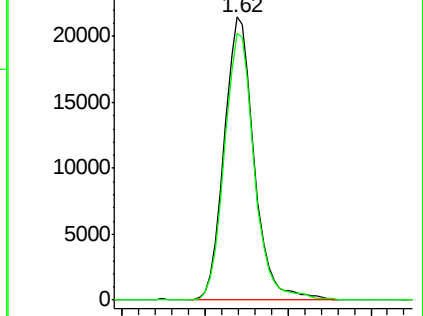
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.195 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025241.D

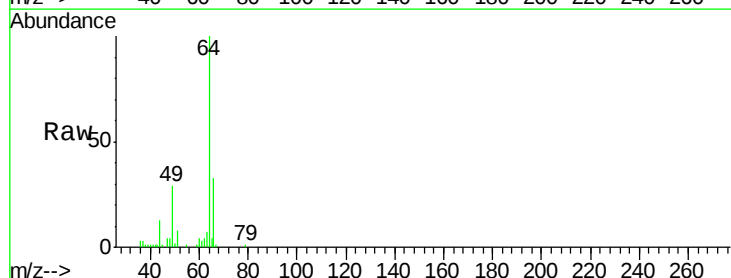
Acq: 06 Jul 2018 15:33

Tgt Ion: 64 Resp: 27149

Ion Ratio Lower Upper

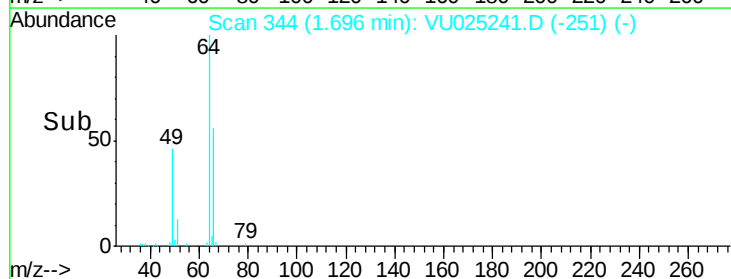
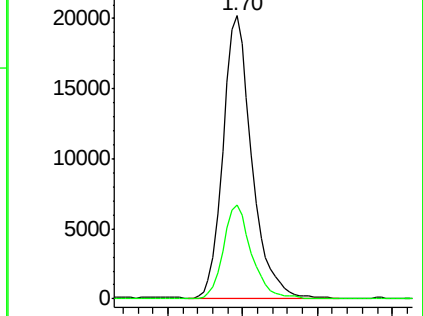
64 100

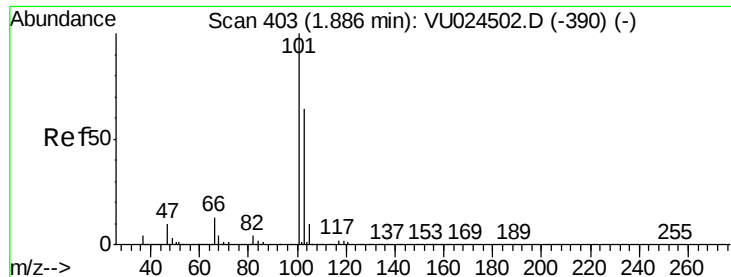
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

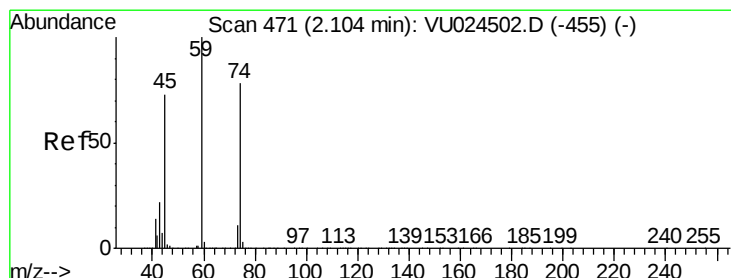
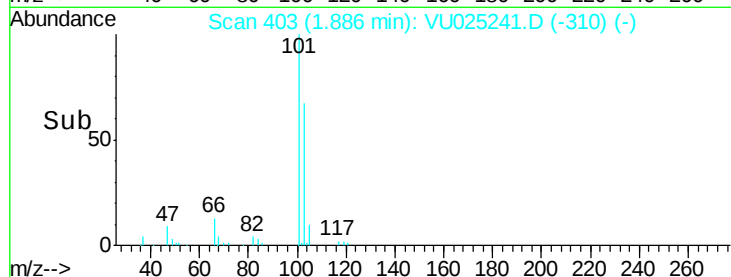
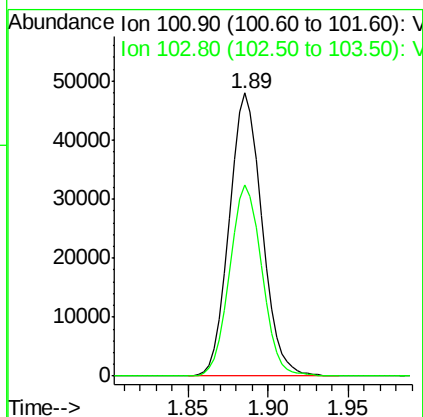
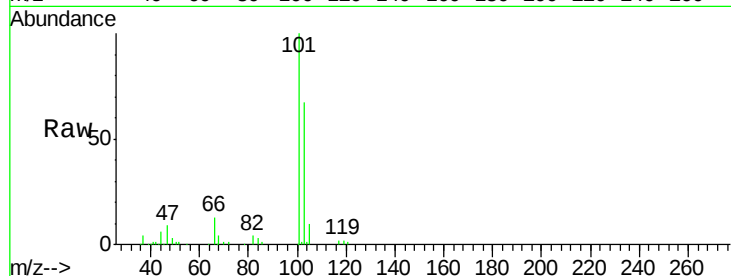
Trichlorofluoromethane
 Concen: 17.861 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.3	78.5

Manual Integrations
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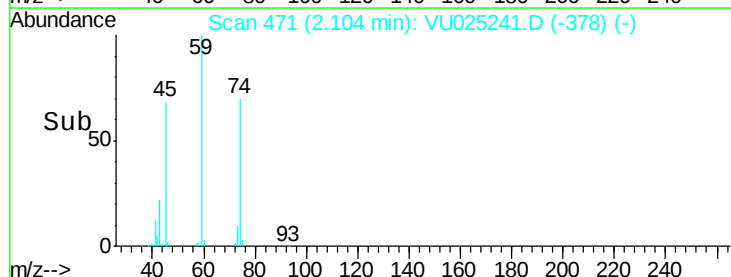
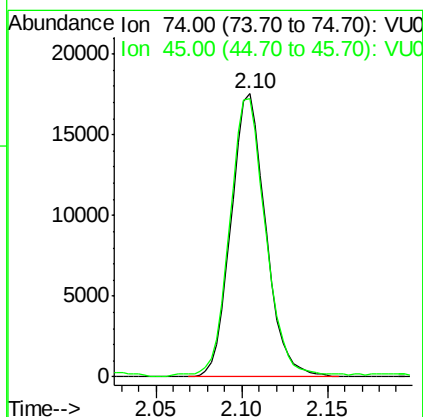
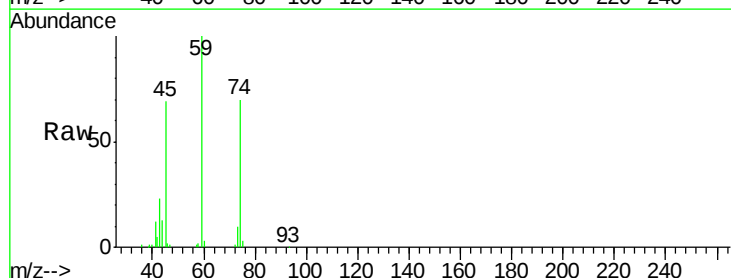
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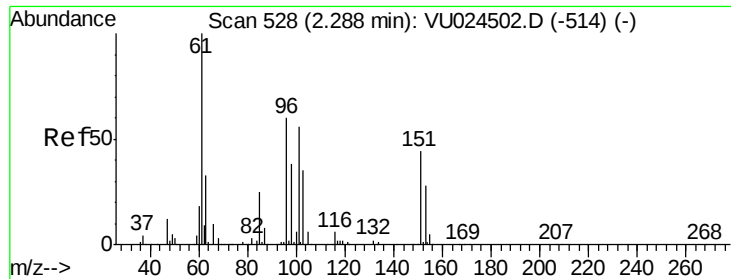


#8

Diethyl Ether
 Concen: 18.115 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	55.0	165.0





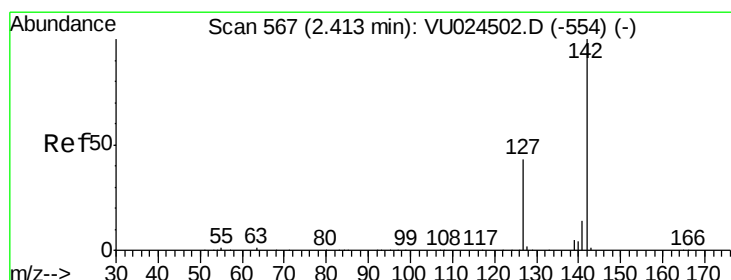
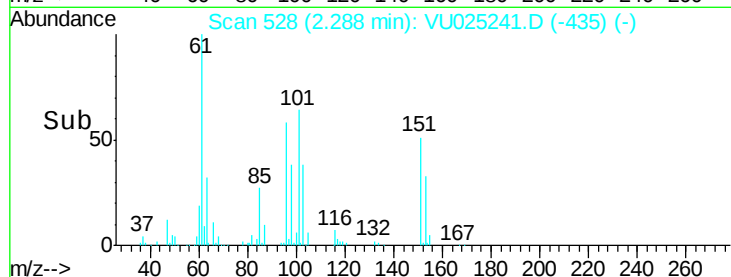
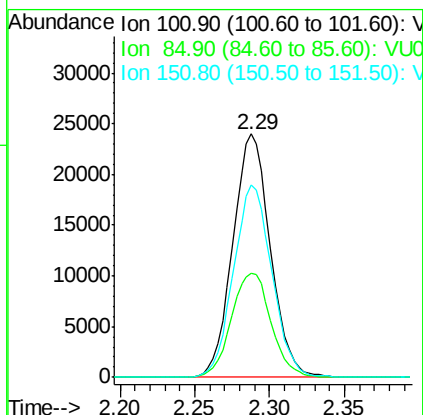
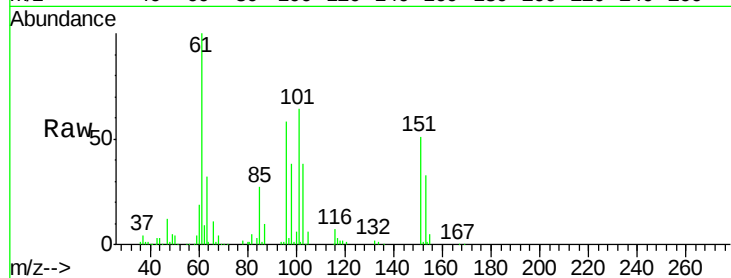
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.061 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.0	54.0
151	81.0	62.3	93.5

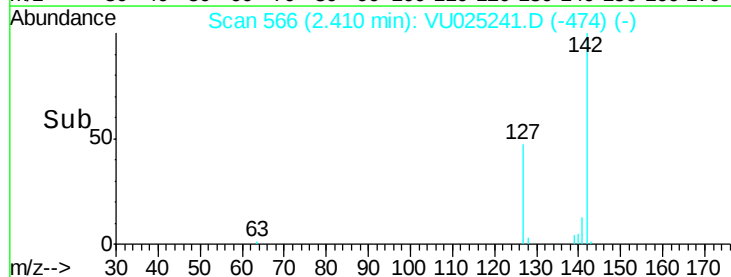
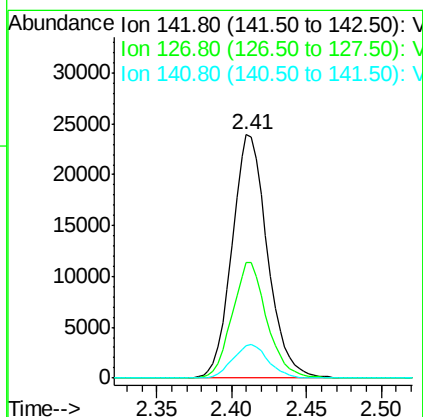
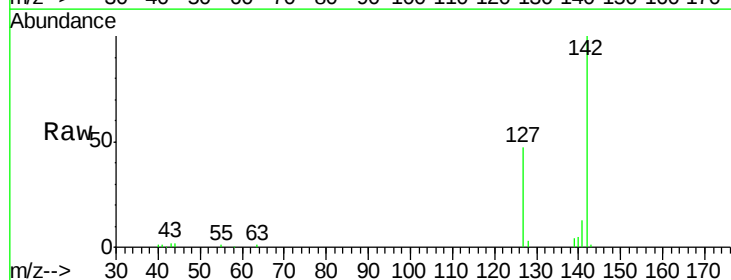
Manual Integrations
APPROVED

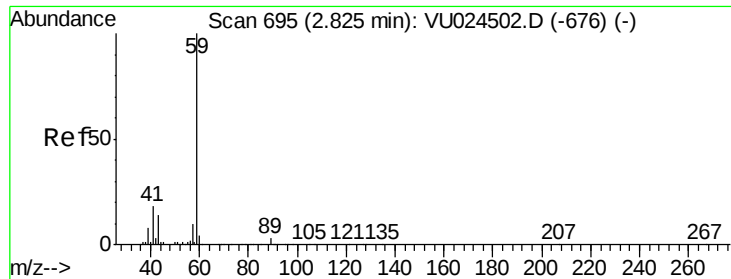
MMDadoda
7/9/2018 12:57:58 PM



#10
Methyl Iodide
Concen: 23.258 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.6	53.4
141	13.8	11.7	17.5





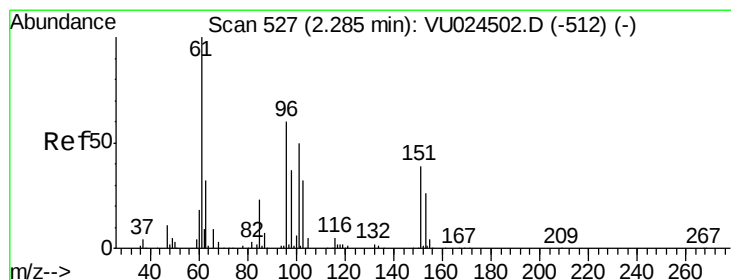
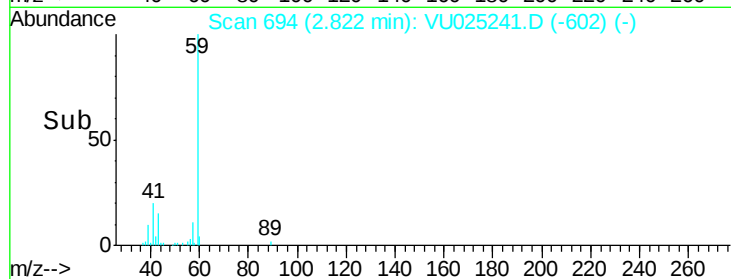
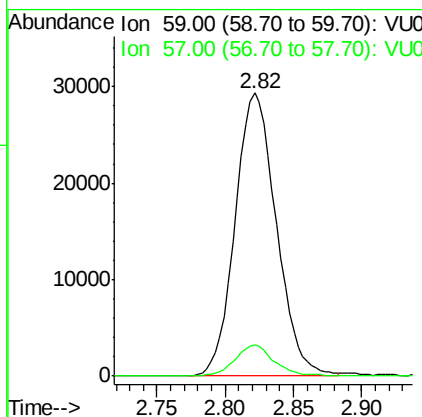
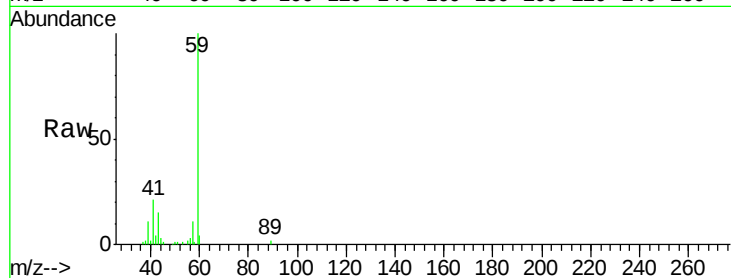
#11
Tert butyl alcohol
Concen: 83.637 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

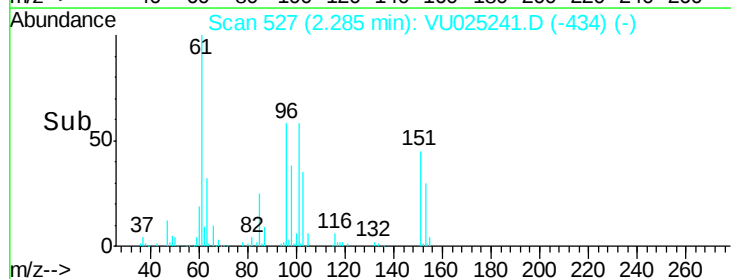
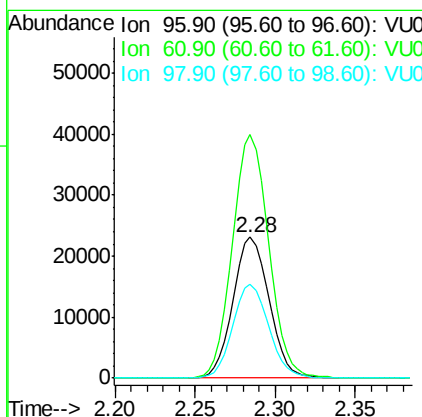
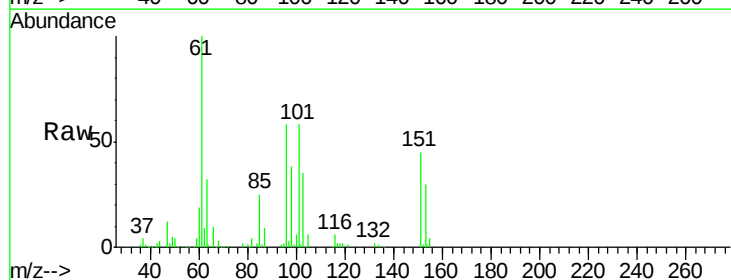
Manual Integrations
APPROVED

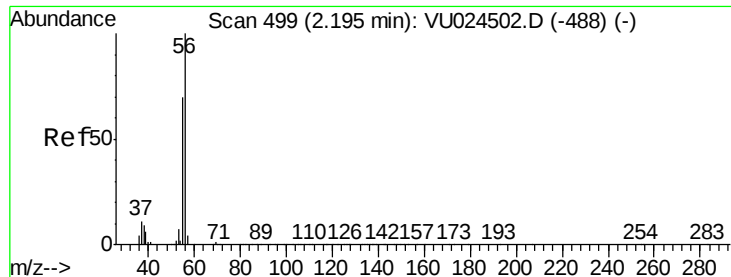
MMDadoda
7/9/2018 12:57:58 PM



#12
1,1-Dichloroethene
Concen: 16.802 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	141.7	212.5
98	66.5	51.6	77.4





#13

Acrolein

Concen: 91.016 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 56 Resp: 35231

Ion Ratio Lower Upper

56 100

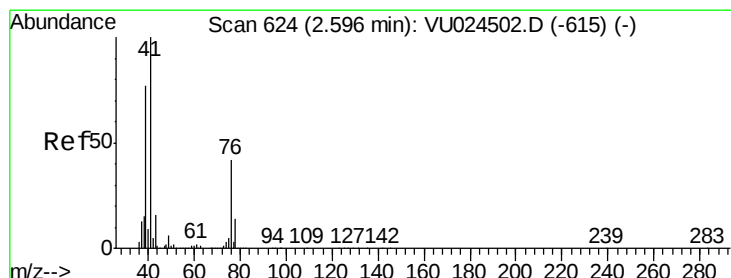
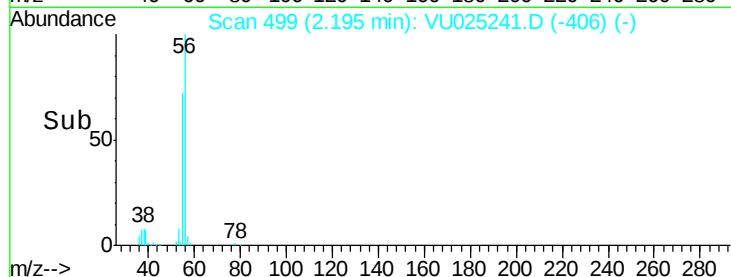
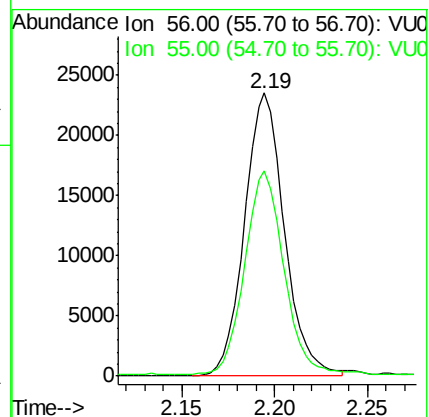
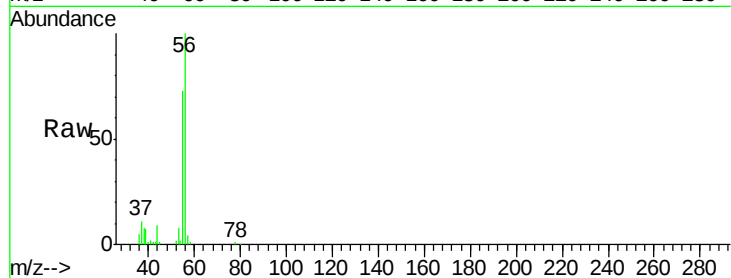
55 71.2 58.4 87.6

Manual Integrations

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7/9/2018 12:57:58 PM



#14

Allyl chloride

Concen: 15.942 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

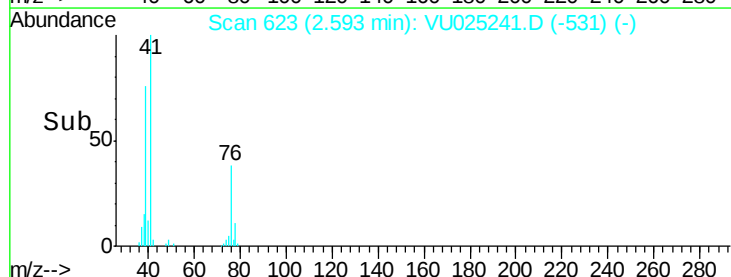
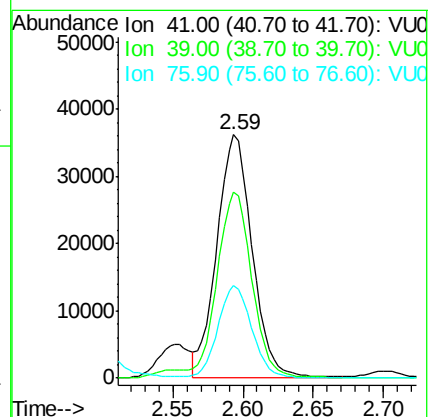
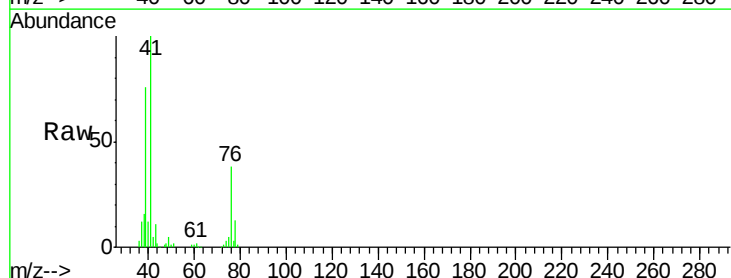
Tgt Ion: 41 Resp: 62574

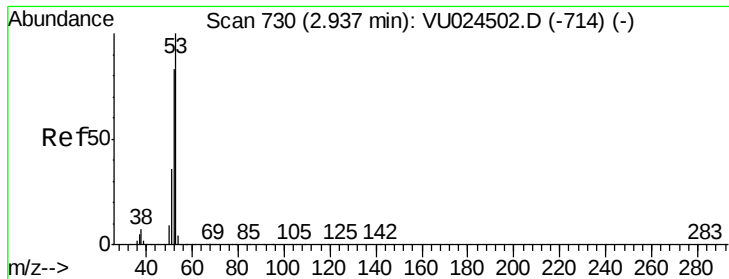
Ion Ratio Lower Upper

41 100

39 74.6 61.6 92.4

76 36.9 29.7 44.5





#15

Acrylonitrile

Concen: 88.557 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

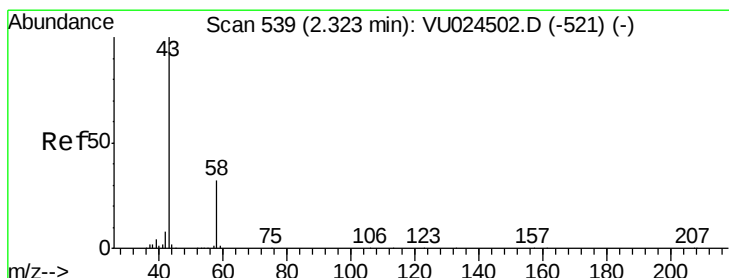
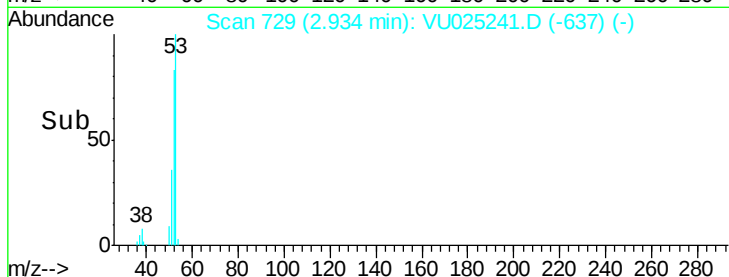
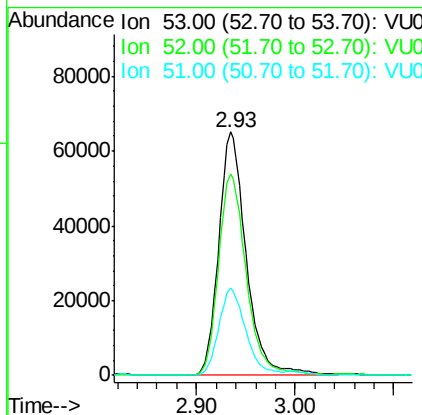
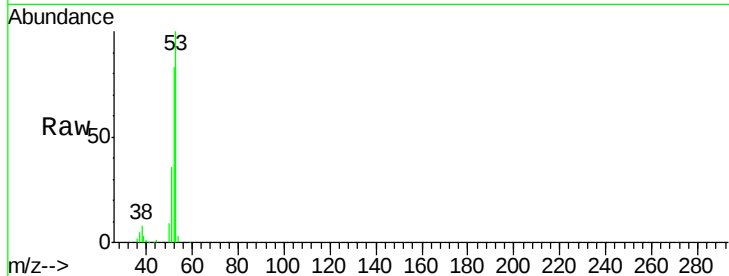
ClientSampleId :

VU0707WBS01

Tot Ion:	53	Resp:	127005
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.1	100.7
51	35.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 94.316 ug/l

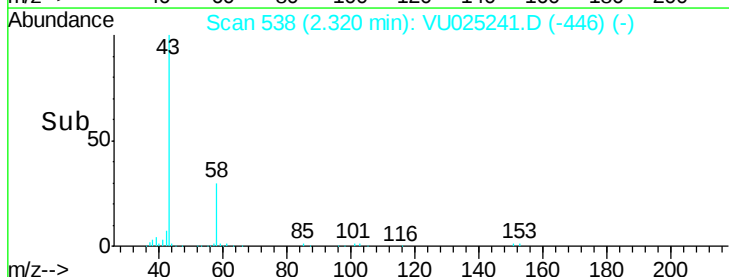
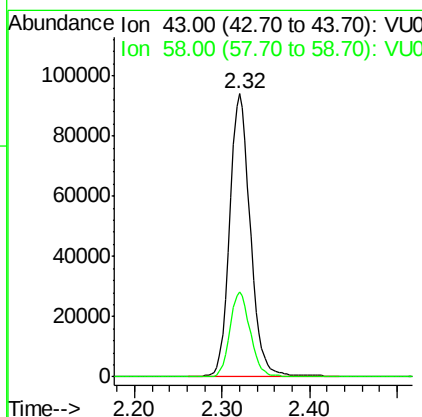
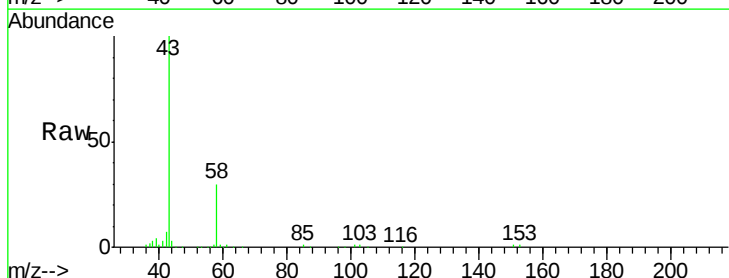
RT: 2.32 min Scan# 538

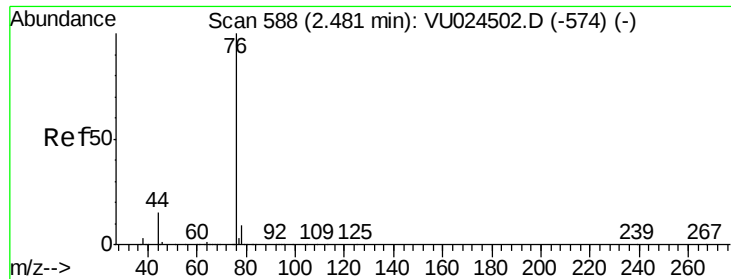
Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	43	Resp:	153590
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.4	36.6





#17

Carbon Disulfide

Concen: 13.966 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 76 Resp: 94533

Ion Ratio Lower Upper

76 100

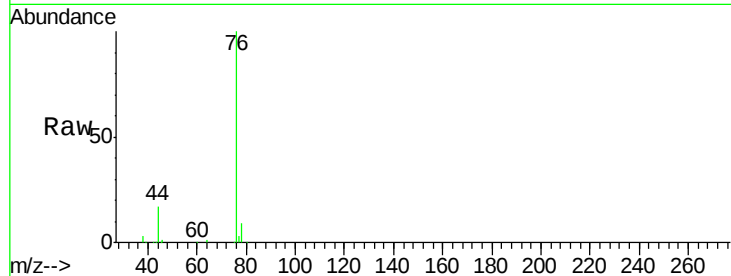
78 9.4 7.1 10.7

Manual Integrations

APPROVED

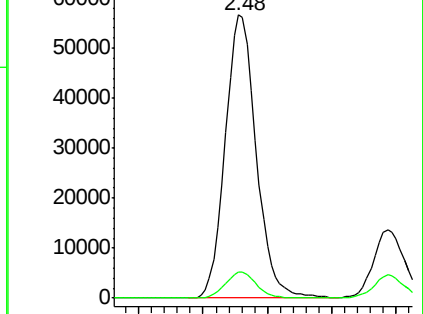
MMDadoda

7/9/2018 12:57:58 PM

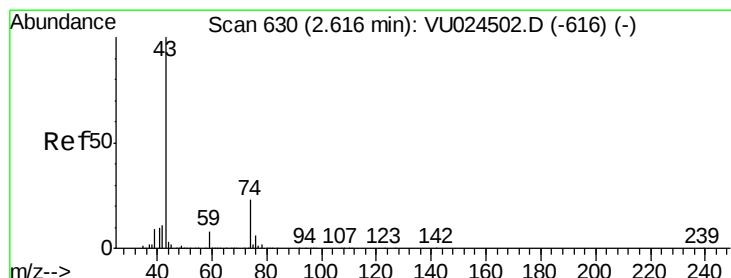
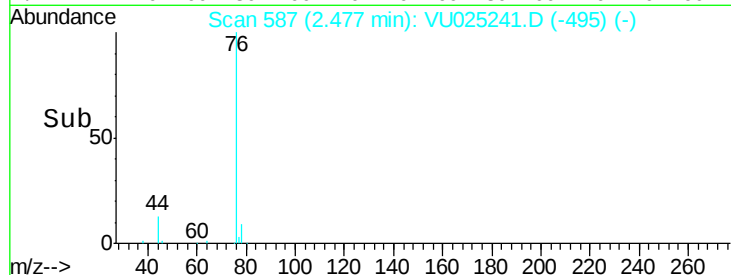


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 17.507 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025241.D

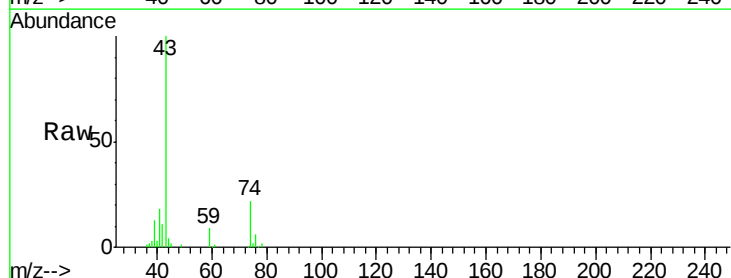
Acq: 06 Jul 2018 15:33

Tgt Ion: 43 Resp: 61120

Ion Ratio Lower Upper

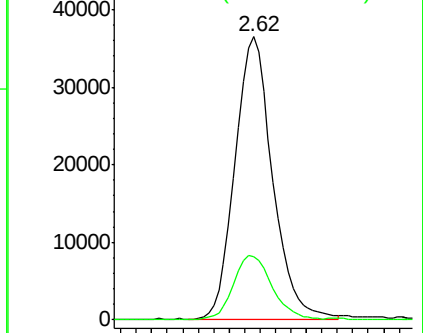
43 100

74 23.7 18.0 27.0

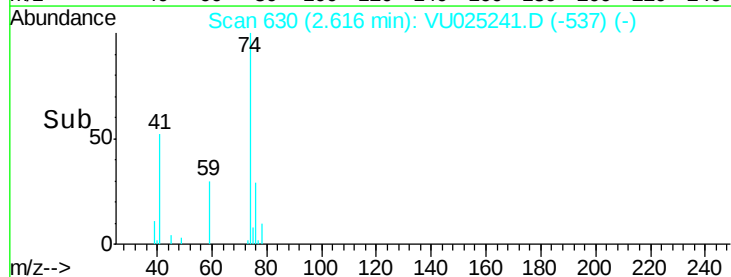


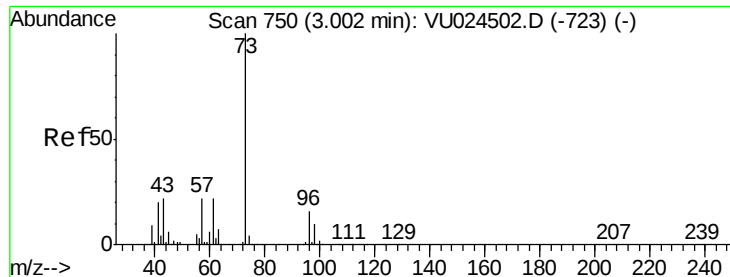
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->





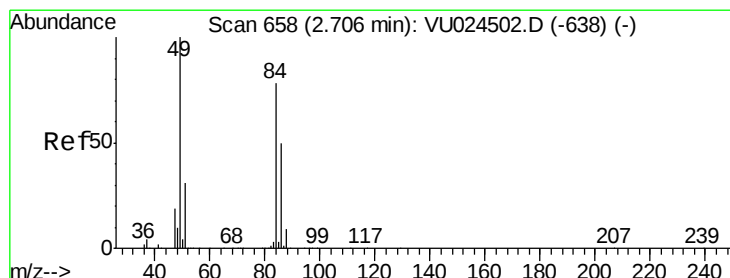
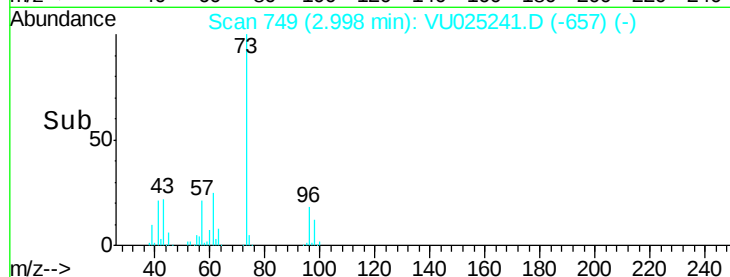
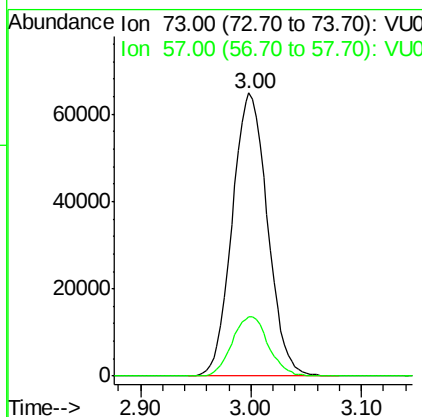
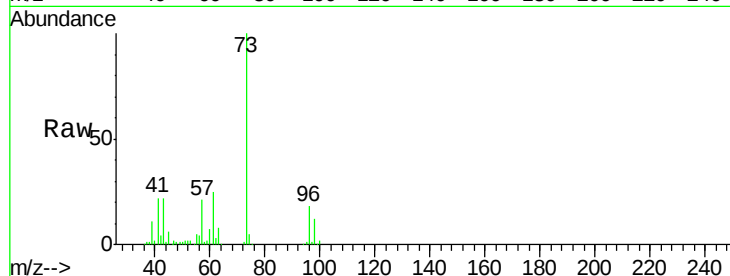
#19
Methyl tert-butyl Ether
Concen: 18.104 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	18.8	28.2

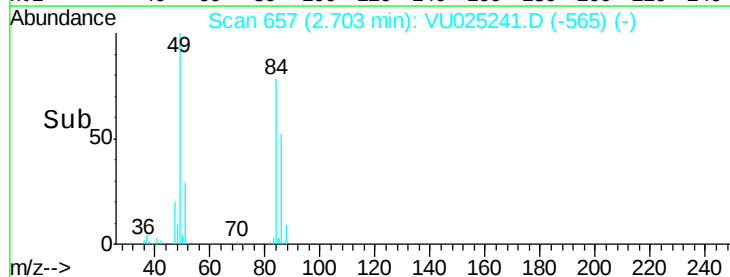
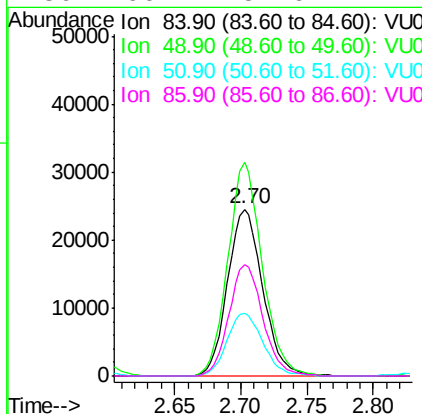
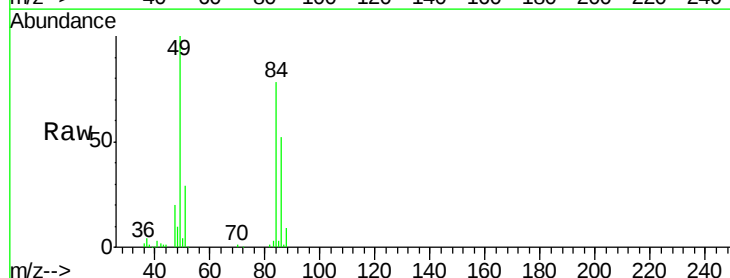
Manual Integrations
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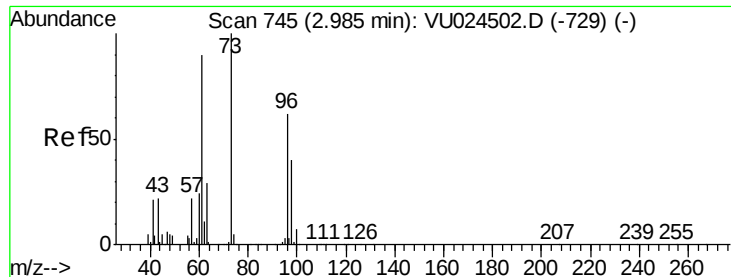
MMDadoda
7/9/2018 12:57:58 PM



#20
Methylene Chloride
Concen: 17.711 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.1	103.8	155.8
51	37.5	32.0	48.0
86	66.7	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 17.345 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

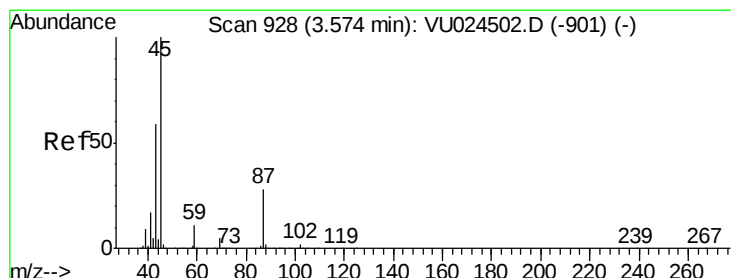
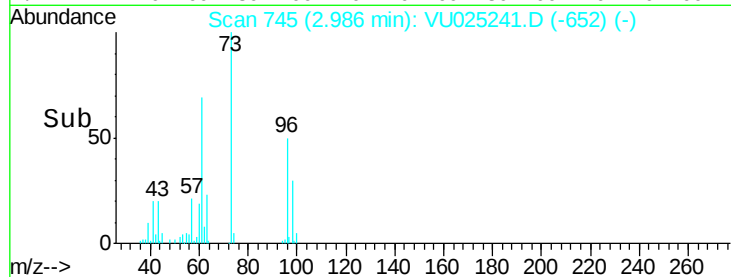
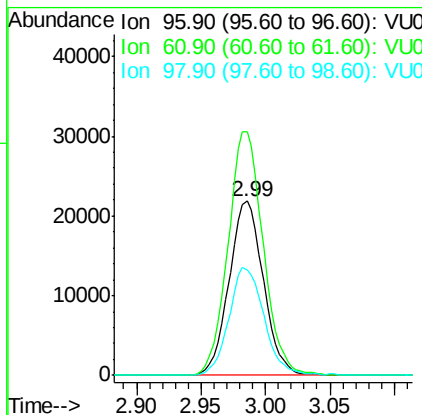
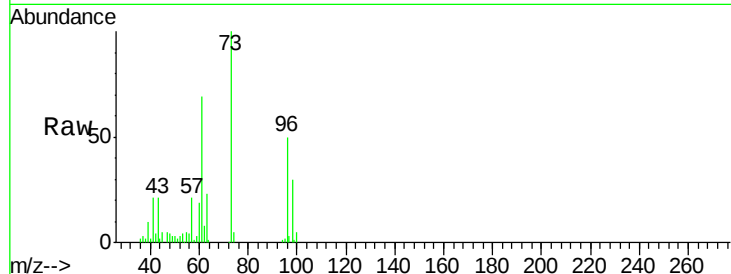
ClientSampleId :

VU0707WBS01

Tot Ion:	96	Resp:	40385
Ion	Ratio	Lower	Upper
96	100		
61	139.7	119.4	179.0
98	60.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.028 ug/l

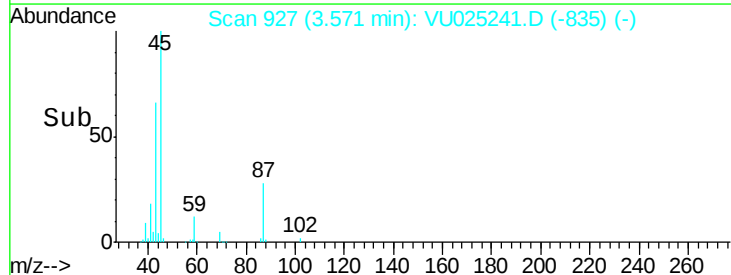
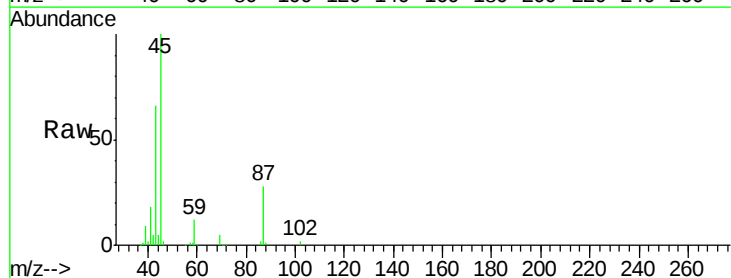
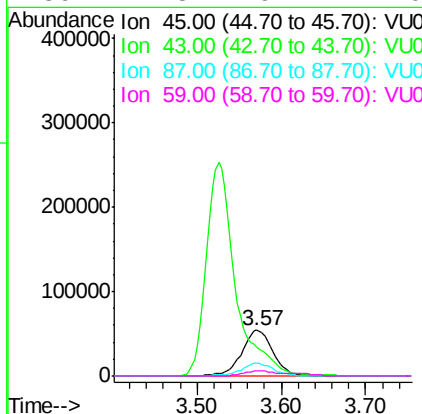
RT: 3.57 min Scan# 927

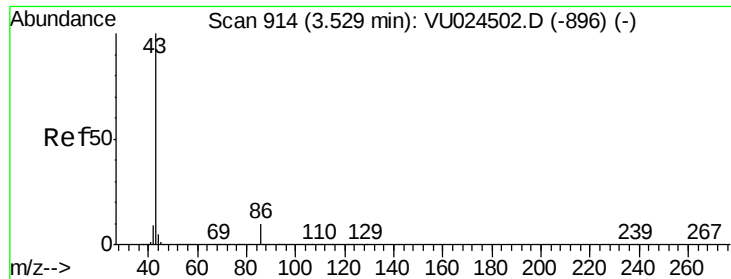
Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	45	Resp:	140272
Ion	Ratio	Lower	Upper
45	100		
43	64.3	45.8	68.6
87	28.3	20.6	31.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 87.689 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tot Ion: 43 Resp: 611190

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

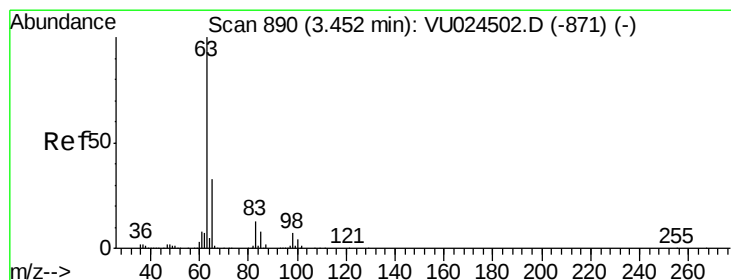
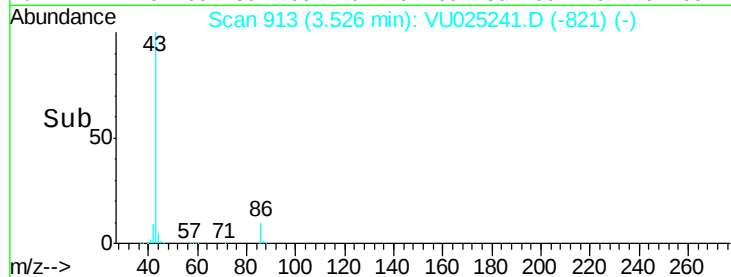
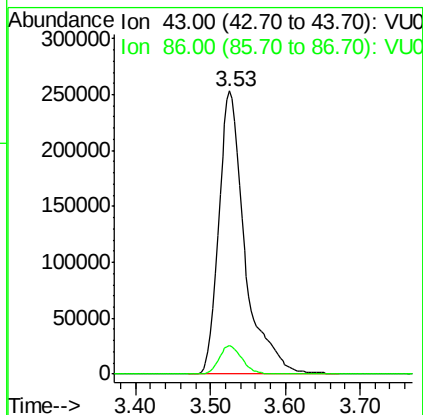
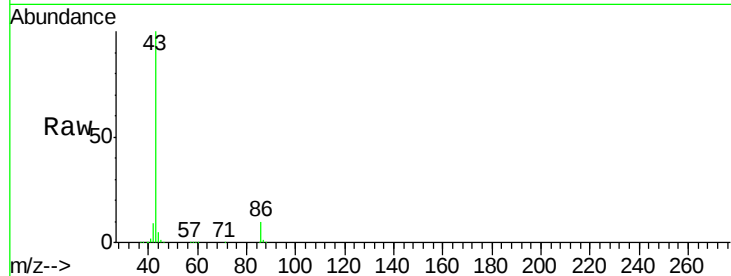
VU0707WBS01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.723 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

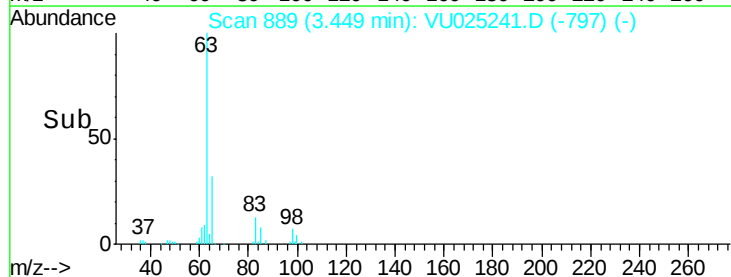
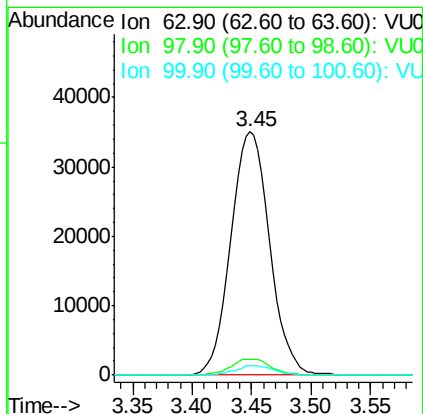
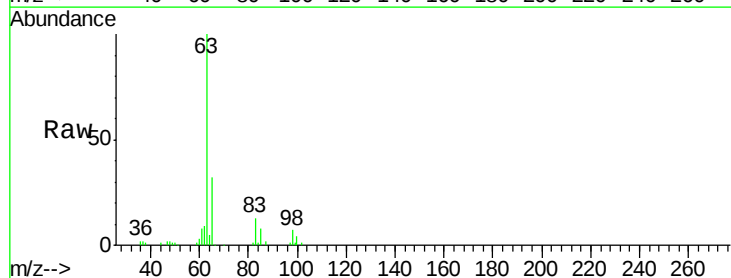
Tgt Ion: 63 Resp: 79327

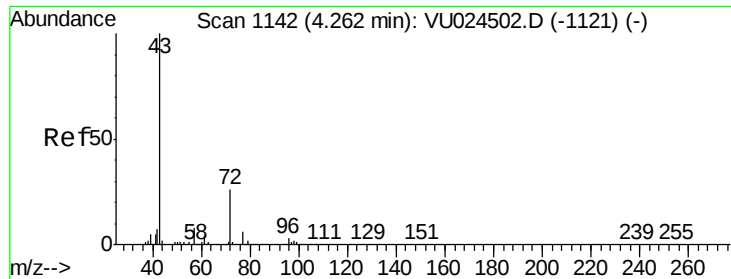
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.8 1.8 5.5





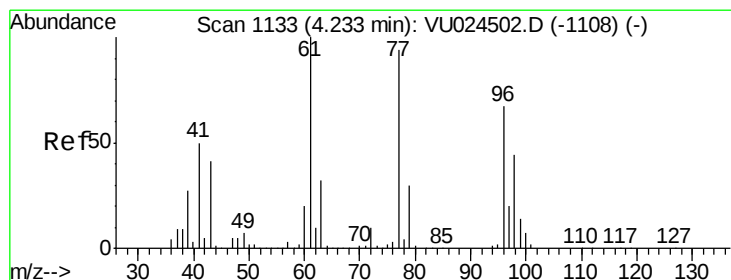
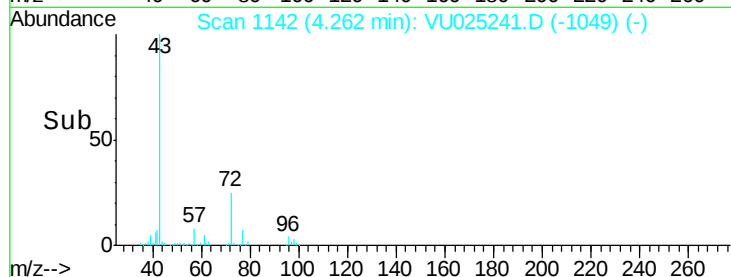
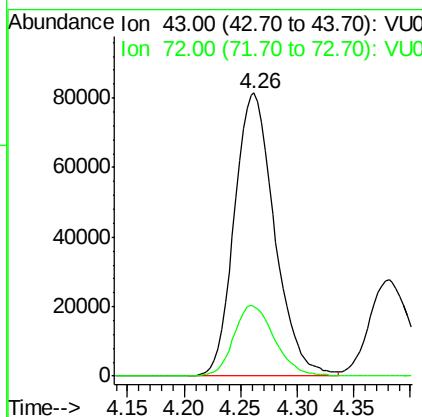
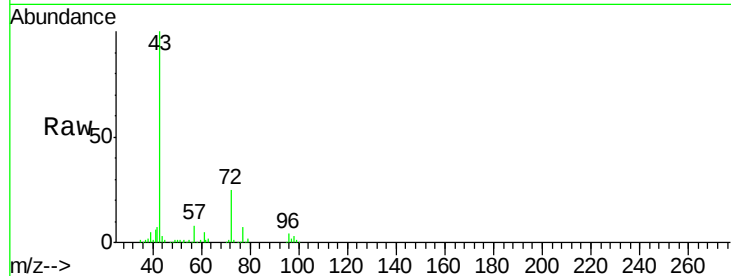
#25
2-Butanone
Concen: 91.665 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	43	Resp	200508
Ion Ratio	100	Lower	Upper
72	24.8	19.6	29.4

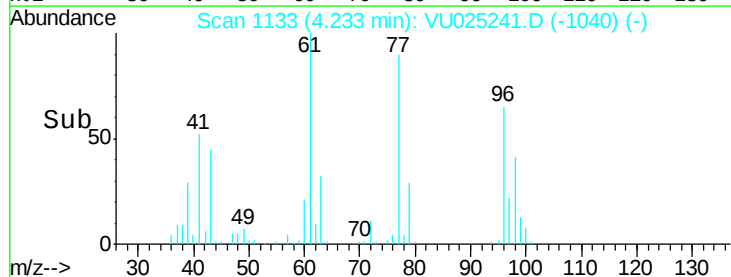
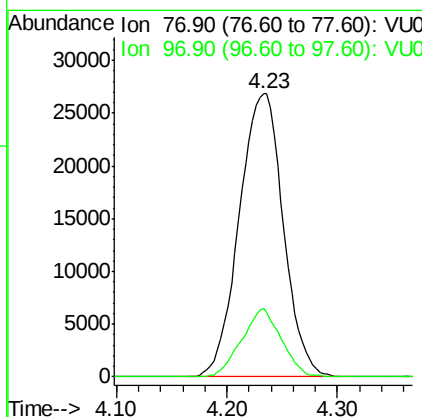
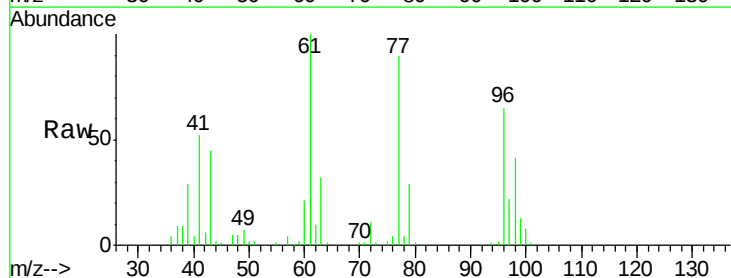
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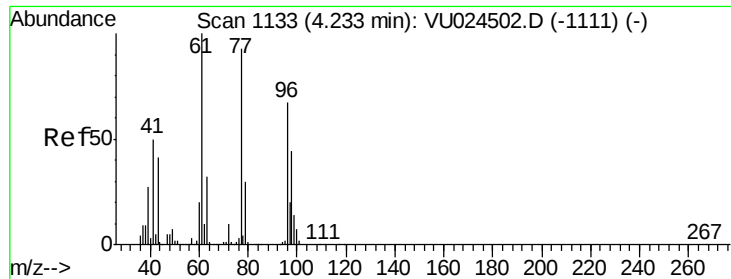
MMDadoda
7/9/2018 12:57:58 PM



#26
2,2-Dichloropropane
Concen: 17.515 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	77	Resp	74443
Ion Ratio	100	Lower	Upper
97	21.6	11.3	33.8





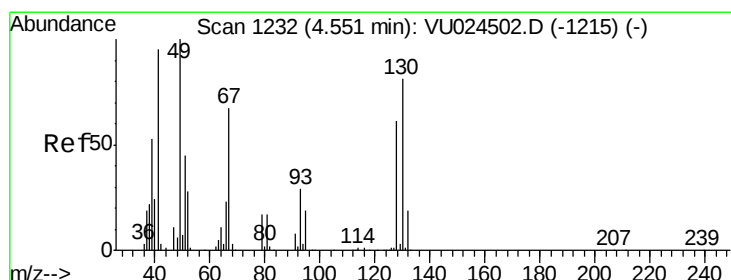
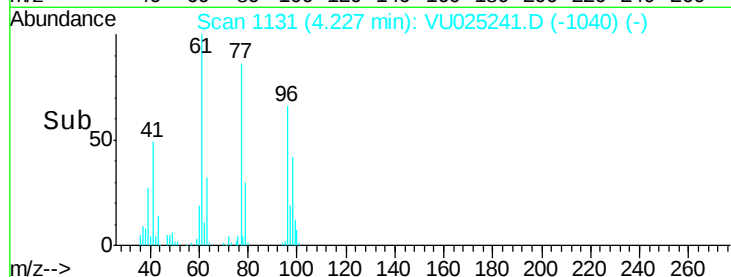
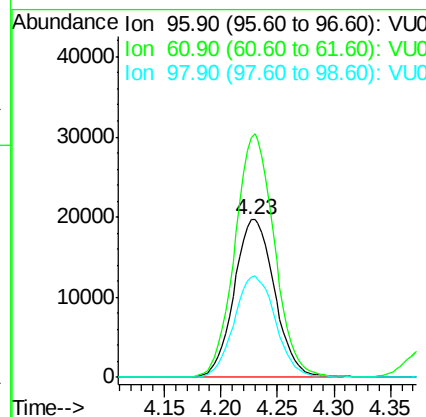
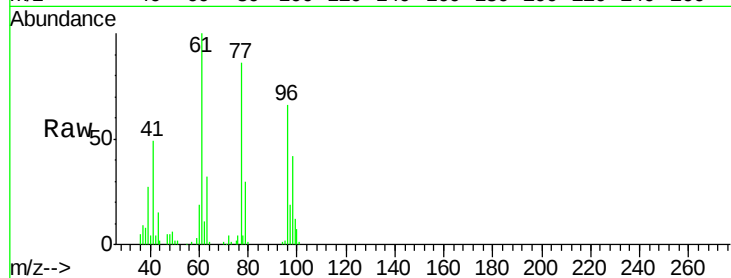
#27
 cis-1,2-Dichloroethene
 Concen: 18.280 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	306.6
98	65.8	0.0	128.8

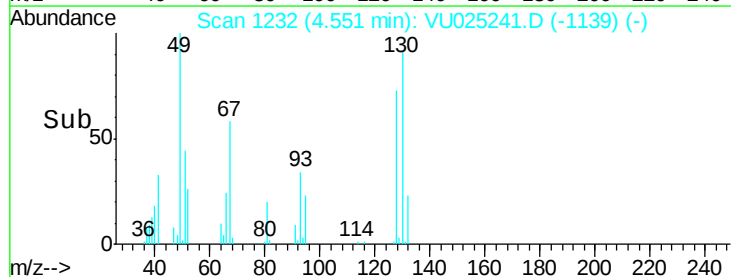
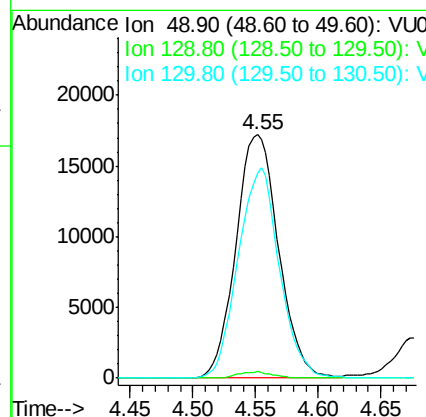
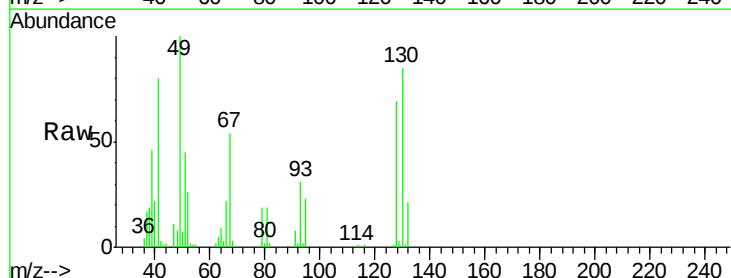
Manual Integrations
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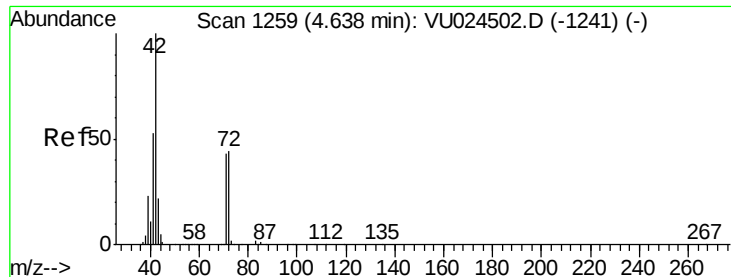
MMDadoda
 7/9/2018 12:57:58 PM



#28
 Bromochloromethane
 Concen: 20.641 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	83.6	57.8	86.6





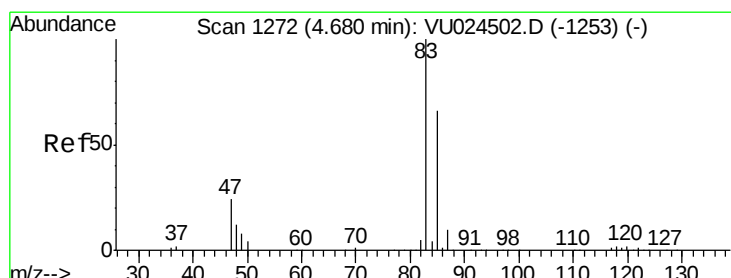
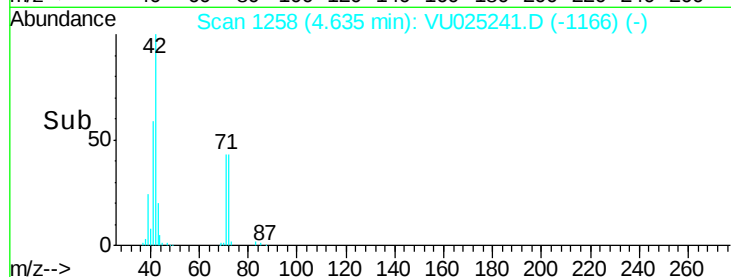
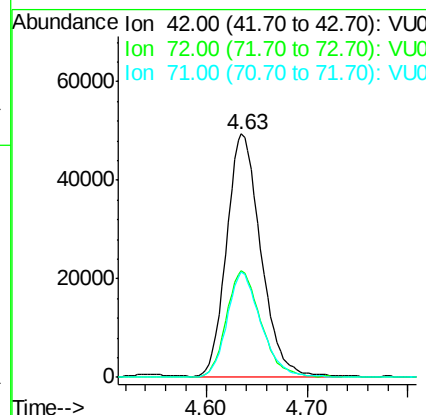
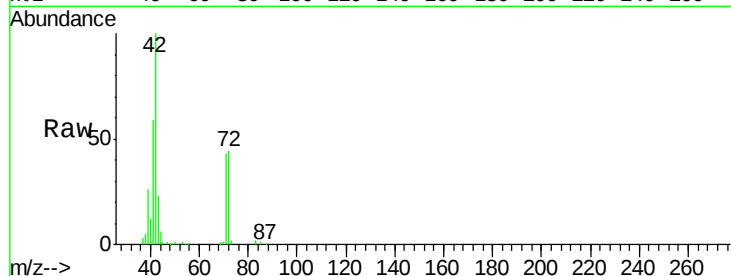
#29
Tetrahydrofuran
Concen: 86.068 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.5	51.7
71	43.0	32.2	48.4

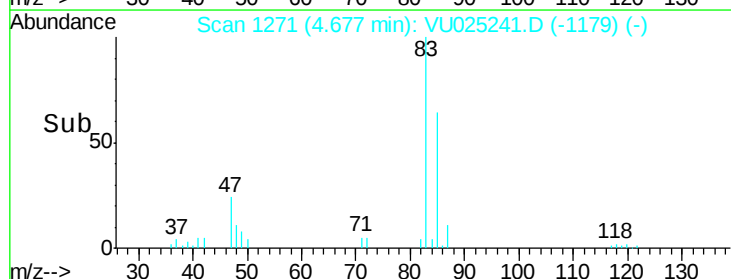
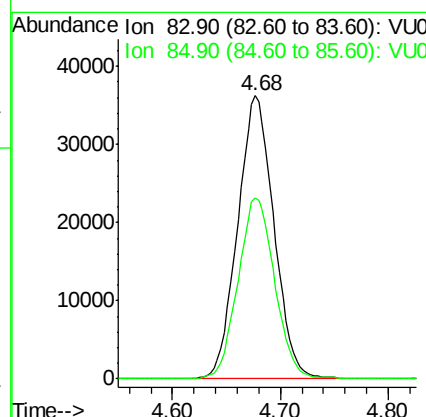
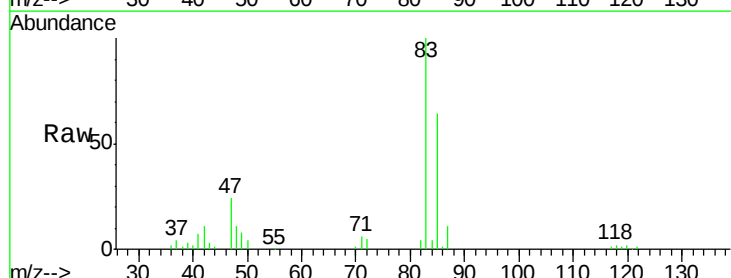
Manual Integrations
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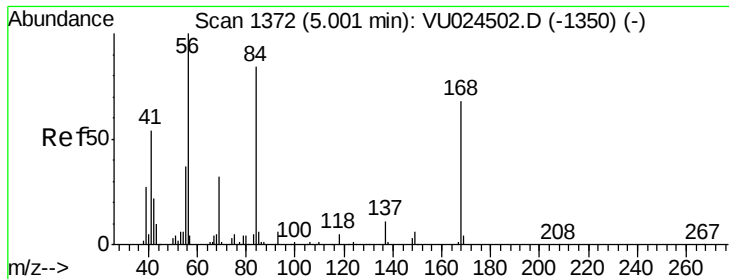
MMDadoda
7/9/2018 12:57:58 PM



#30
Chloroform
Concen: 18.724 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6





#31

Cyclohexane

Concen: 16.659 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

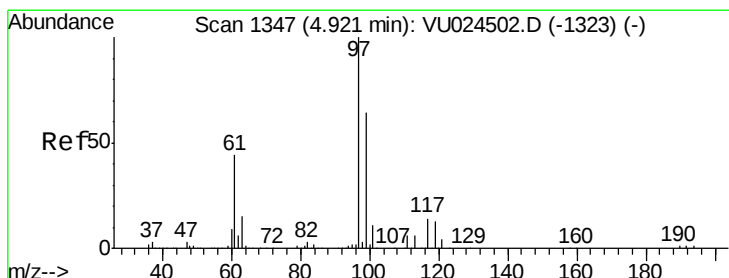
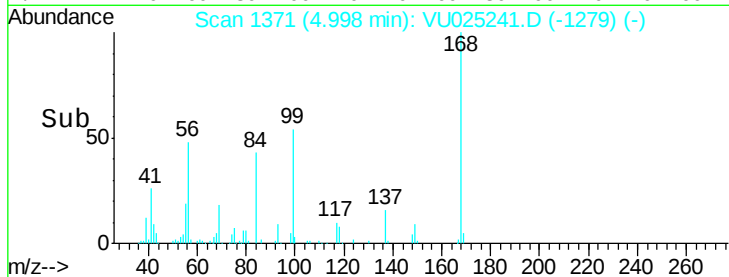
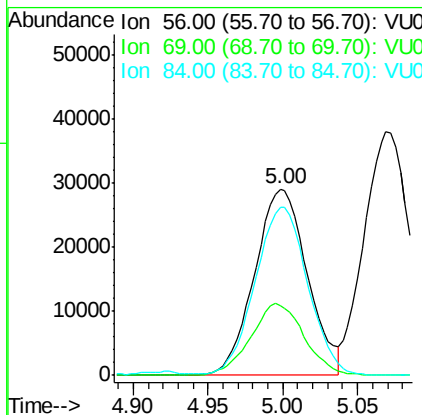
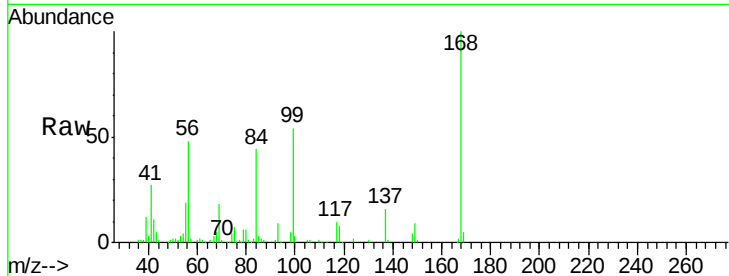
ClientSampleId :

VU0707WBS01

Tot Ion:	56	Resp:	71448
Ion	Ratio	Lower	Upper
56	100		
69	37.6	24.8	37.2#
84	89.7	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 18.075 ug/l

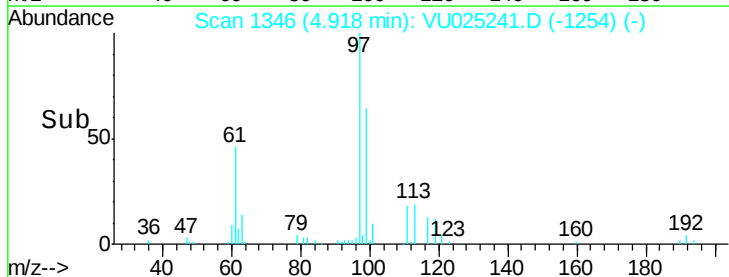
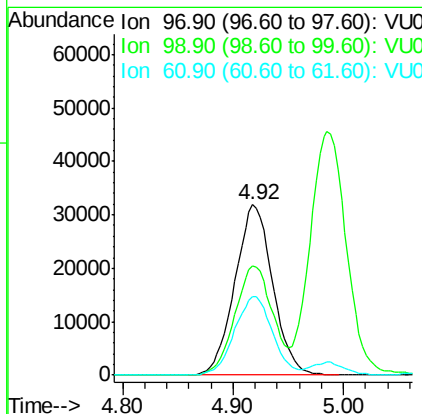
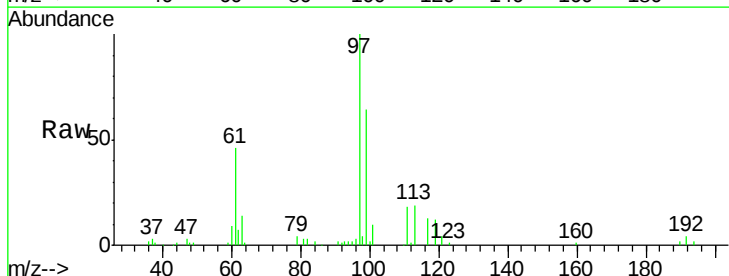
RT: 4.92 min Scan# 1346

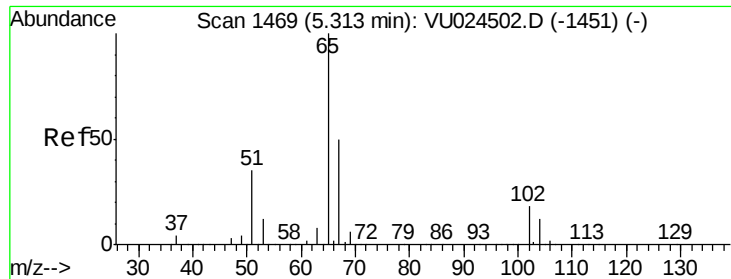
Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	97	Resp:	75724
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	45.9	39.4	59.0





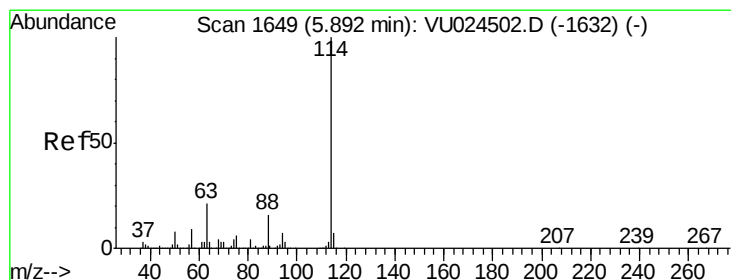
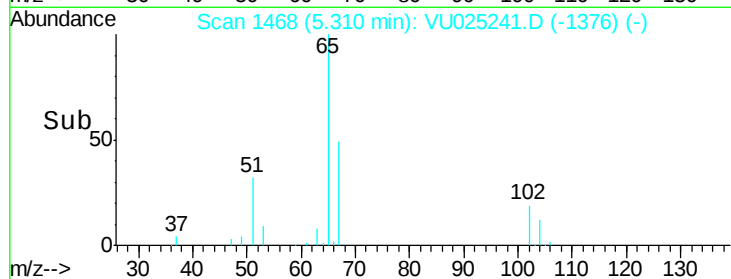
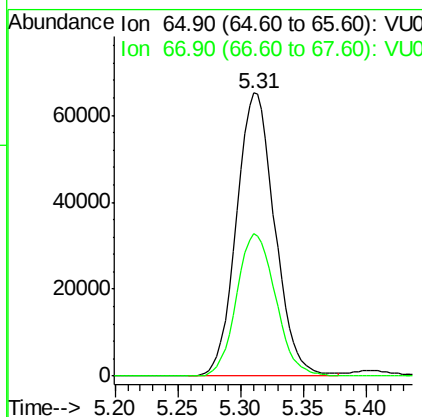
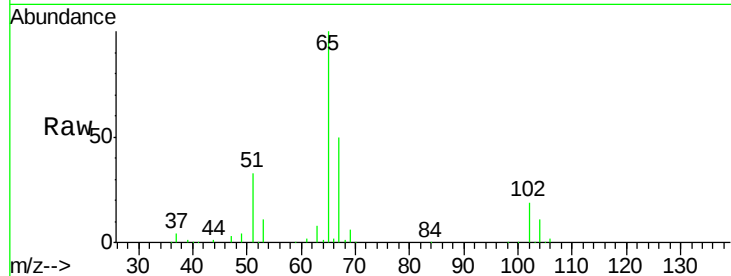
#33
 1,2-Dichloroethane-d4
 Concen: 45.585 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138162		
67	51.4	0.0	107.0	

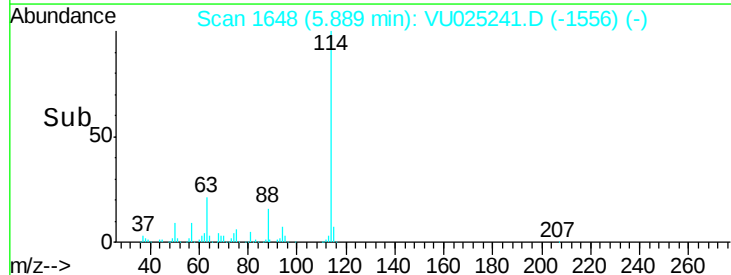
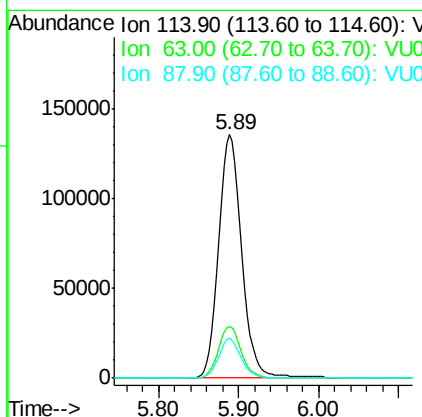
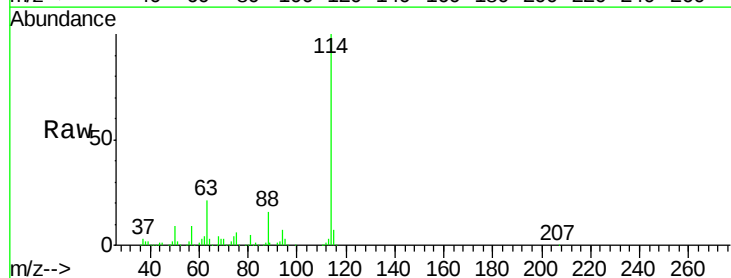
Manual Integrations
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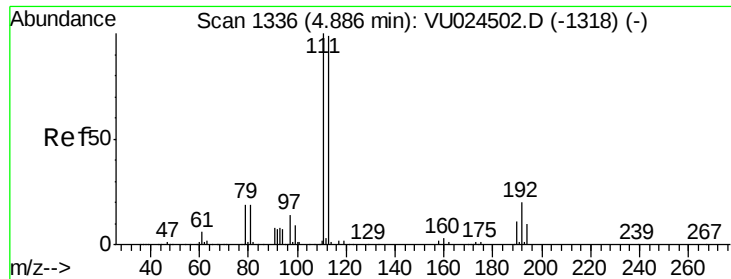
MMDadoda
 7/9/2018 12:57:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	271665		
63	21.1	0.0	45.4	
88	16.3	0.0	31.0	





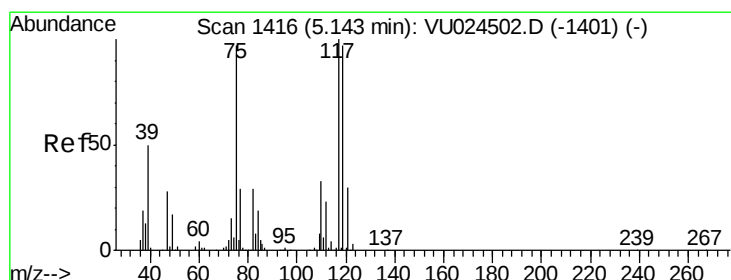
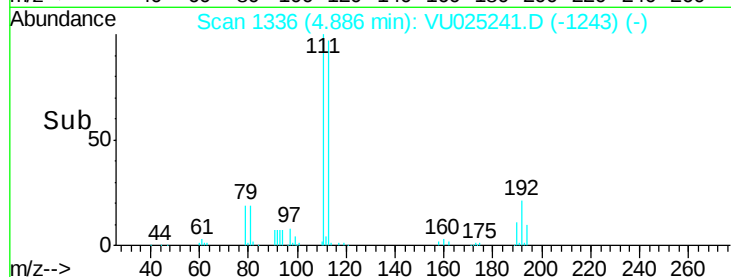
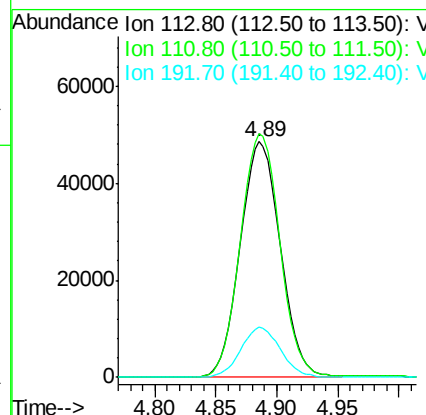
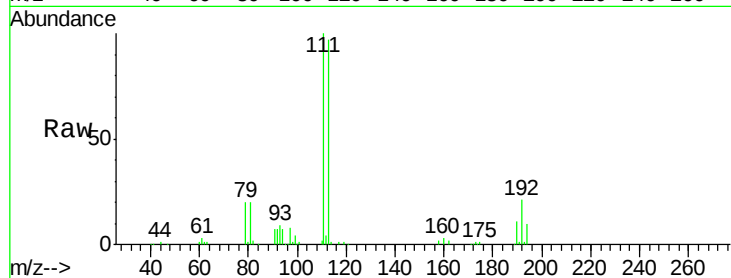
#35
 Dibromofluoromethane
 Concen: 49.136 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110783		
111	102.1	82.2	123.4	
192	21.0	16.2	24.4	

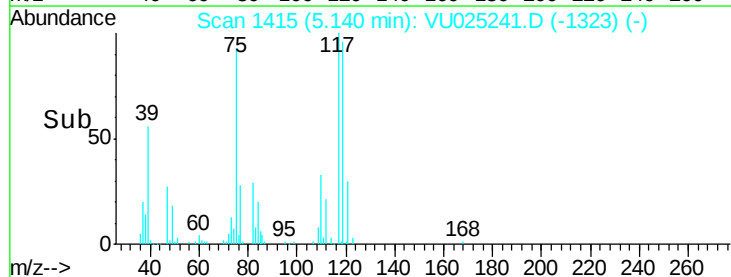
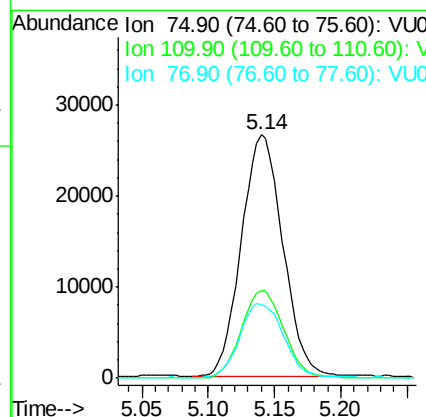
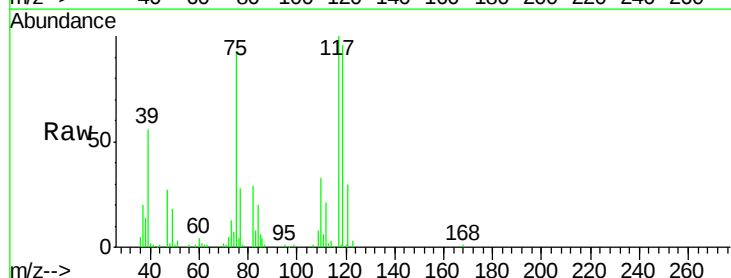
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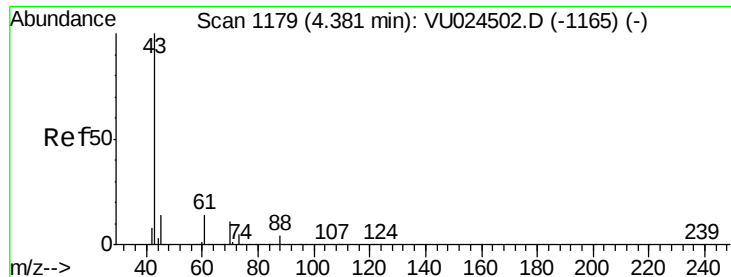
MMDadoda
 7/9/2018 12:57:58 PM



#36
 1,1-Dichloropropene
 Concen: 18.072 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57692		
110	37.1	17.0	50.9	
77	32.8	24.2	36.4	





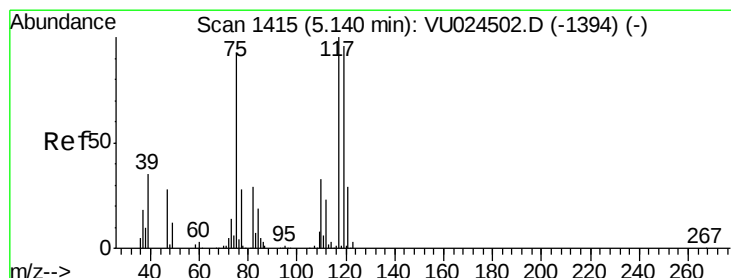
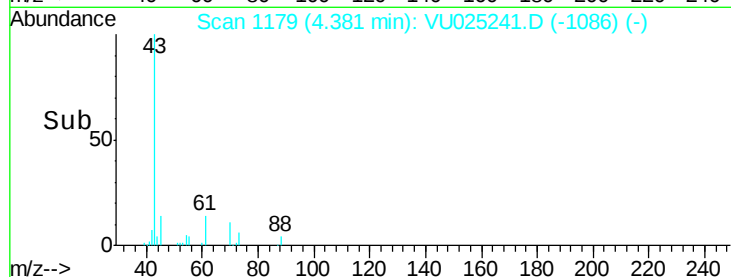
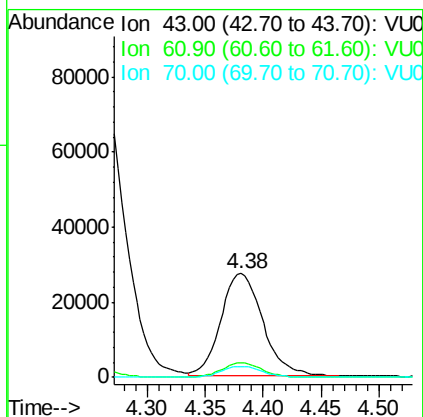
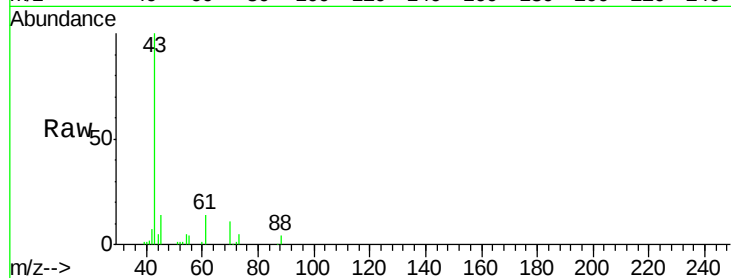
#37
Ethyl Acetate
Concen: 19.775 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	10.7	7.4	11.2

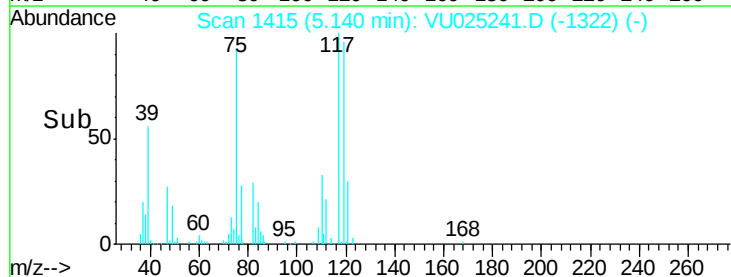
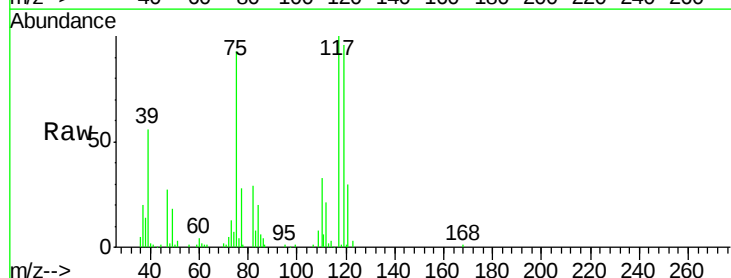
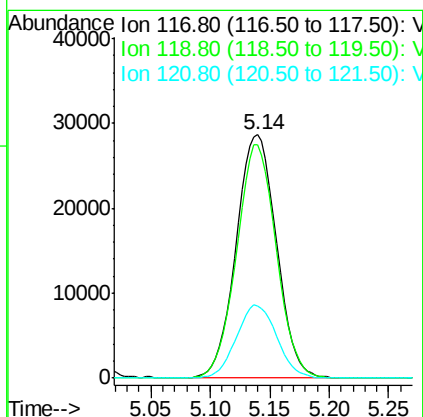
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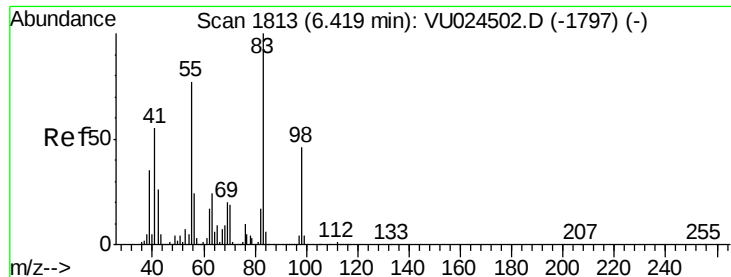
MMDadoda
7/9/2018 12:57:58 PM



#38
Carbon Tetrachloride
Concen: 19.205 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	29.9	23.7	35.5





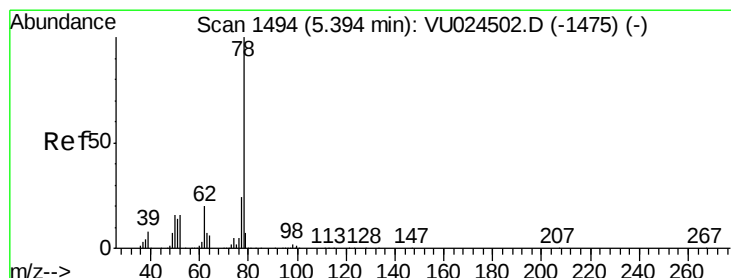
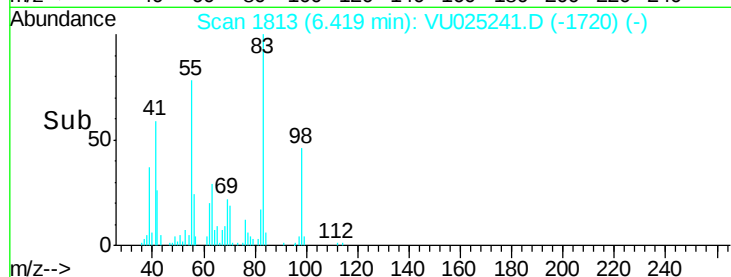
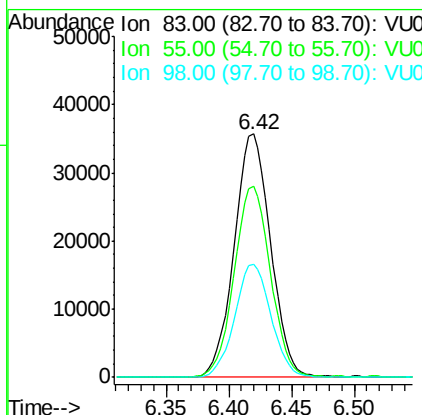
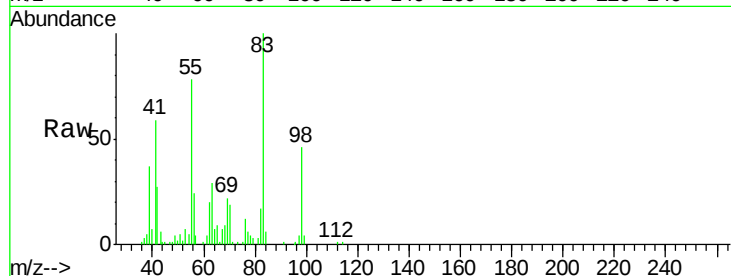
#39
Methvlcvclohexane
Concen: 18.104 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	65.8	98.6
98	46.3	36.7	55.1

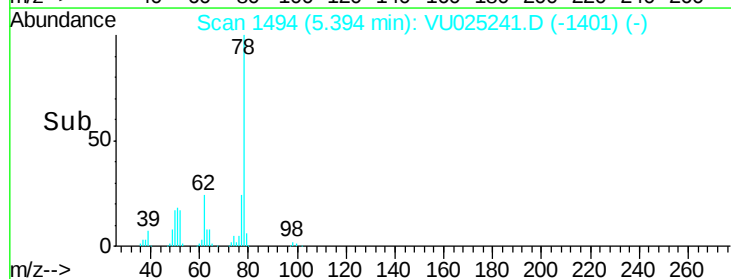
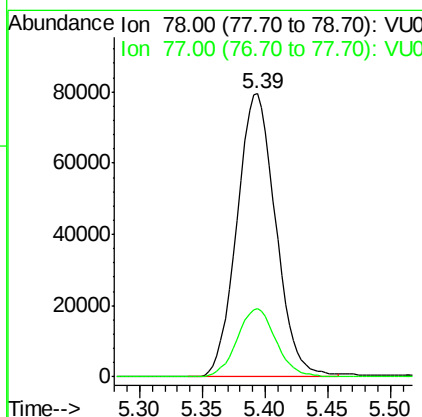
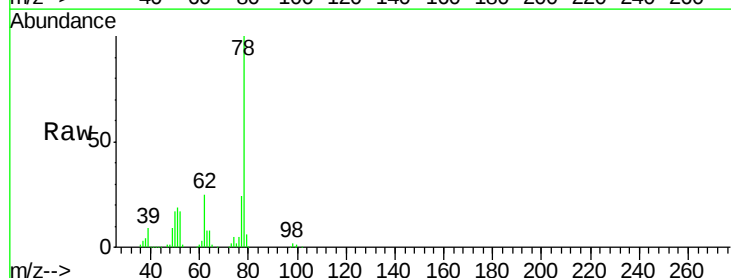
Manual Integrations
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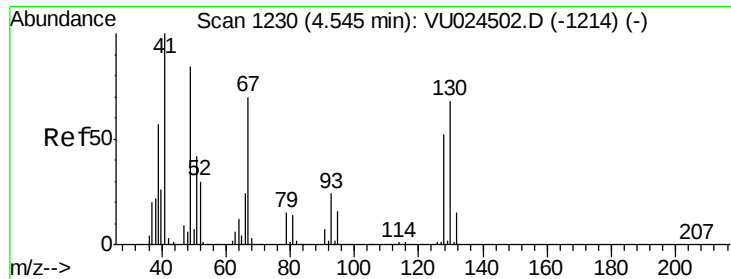
MMDadoda
7/9/2018 12:57:58 PM



#40
Benzene
Concen: 18.795 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





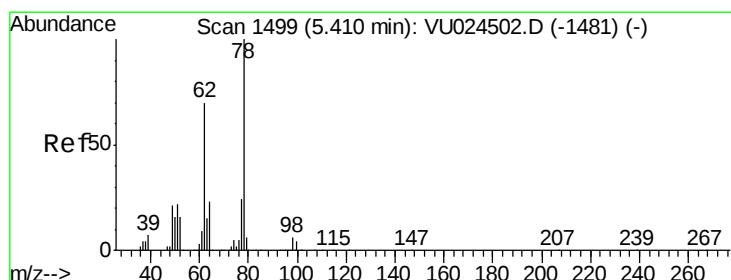
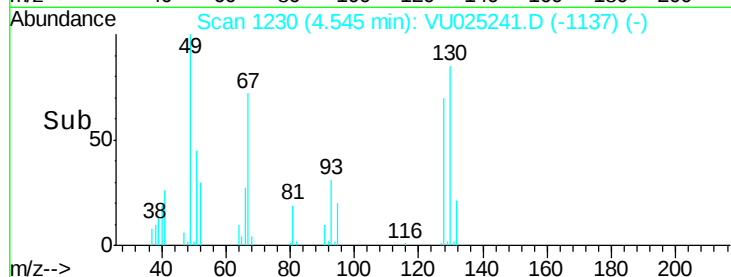
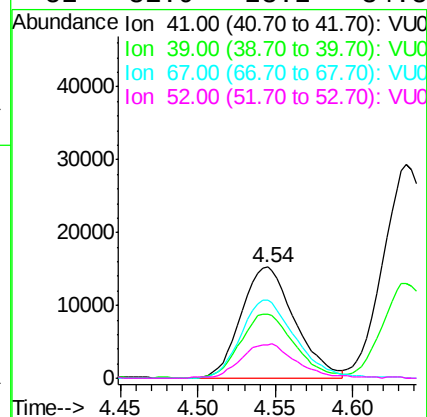
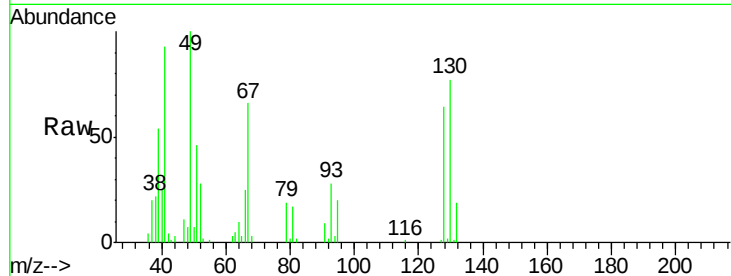
#41
Methacrylonitrile
Concen: 19.651 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.9	43.8	65.6	
67	71.1	56.3	84.5	
52	31.9	23.2	34.8	

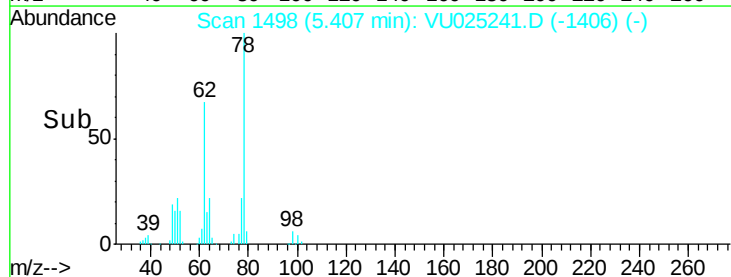
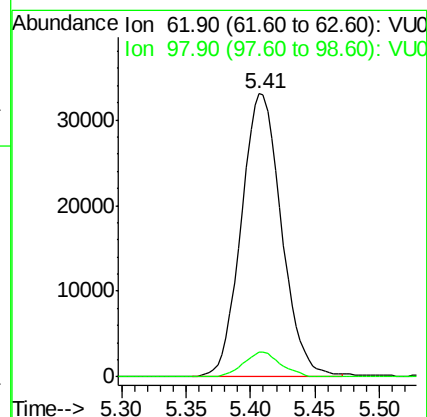
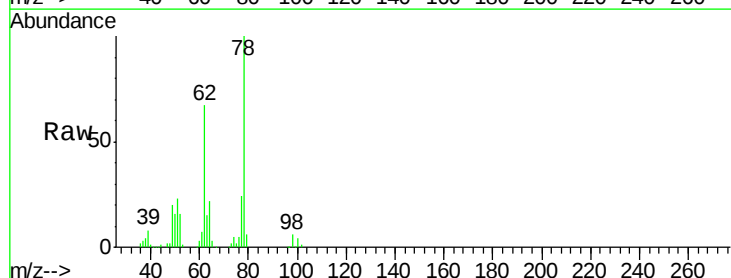
Manual Integrations
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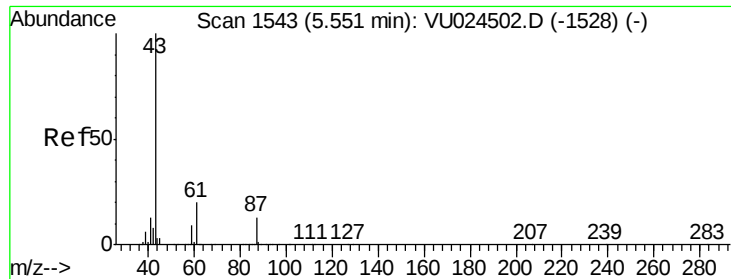
MMDadoda
7/9/2018 12:57:58 PM



#42
1,2-Dichloroethane
Concen: 20.721 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.6	





#43

Isopropyl Acetate

Concen: 18.331 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

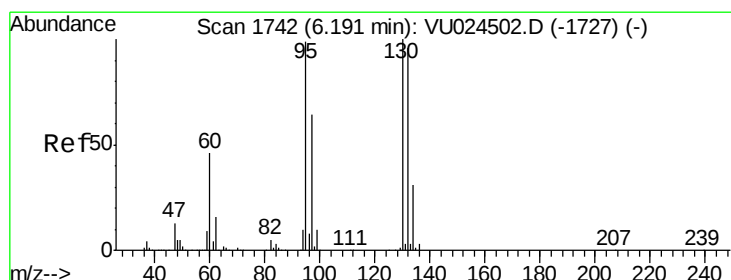
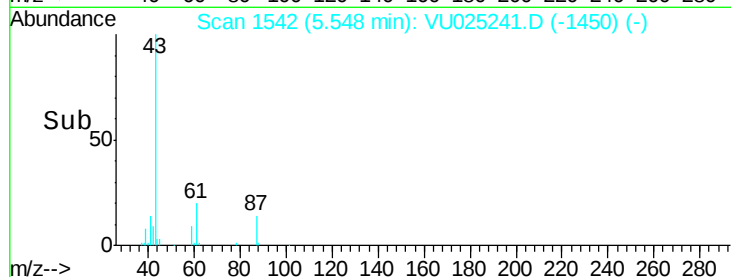
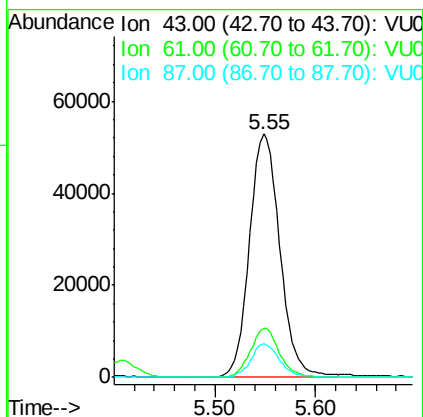
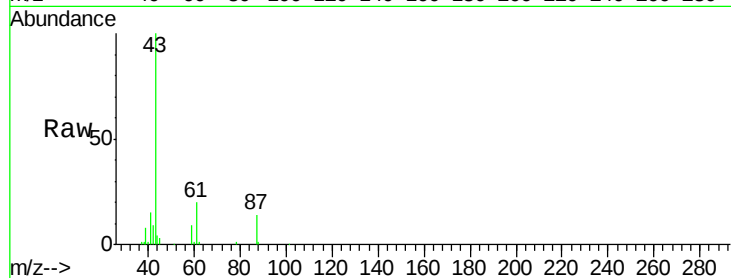
ClientSampleId :

VU0707WBS01

Tot Ion:	43	Resp:	110244
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.1	10.0	15.0

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7/9/2018 12:57:58 PM



#44

Trichloroethene

Concen: 18.981 ug/l

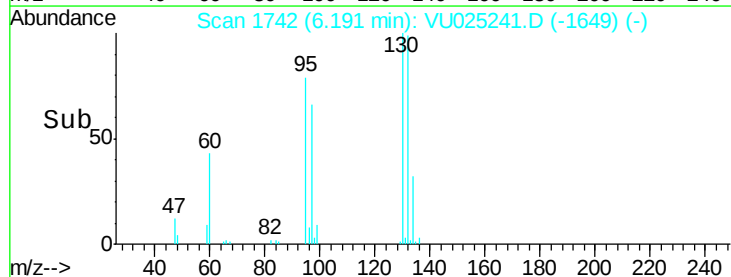
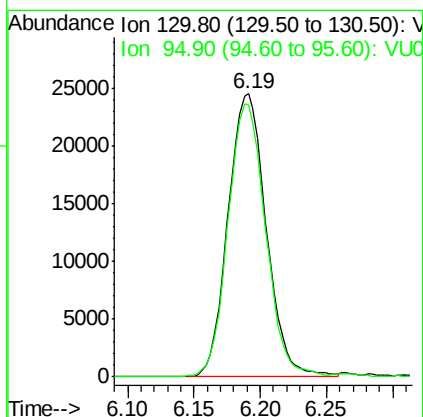
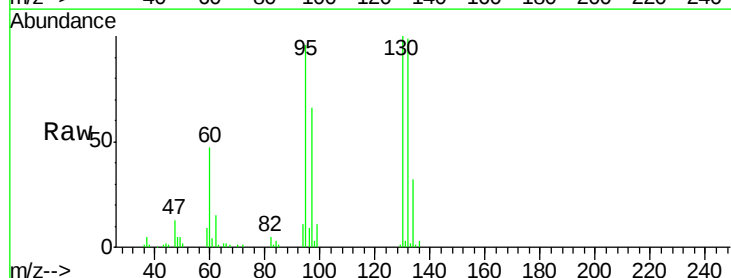
RT: 6.19 min Scan# 1742

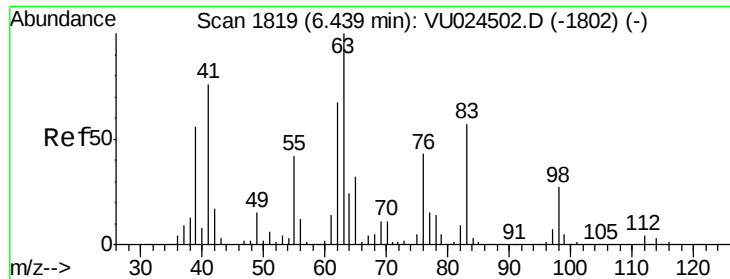
Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	130	Resp:	49138
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	202.4





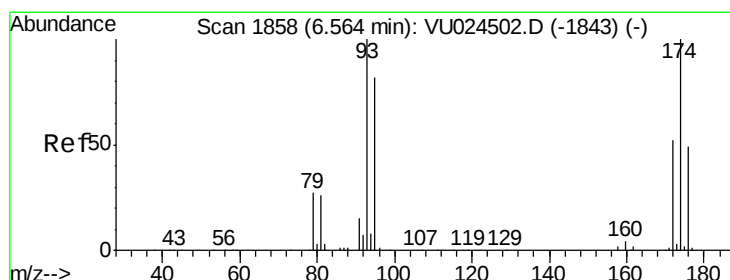
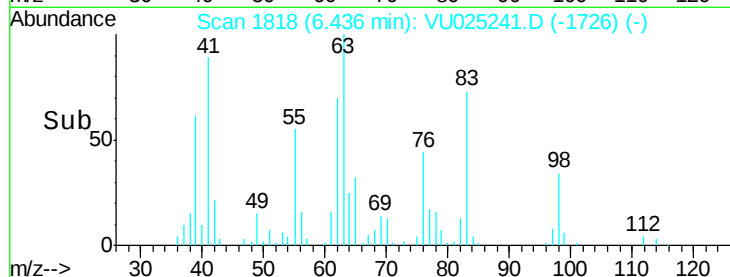
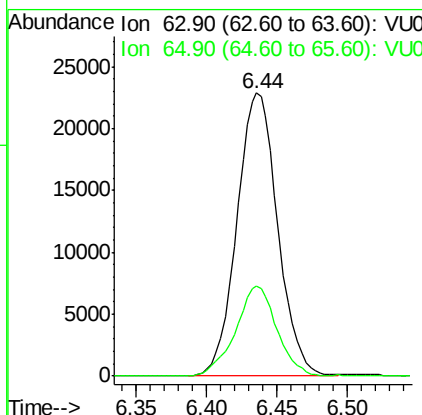
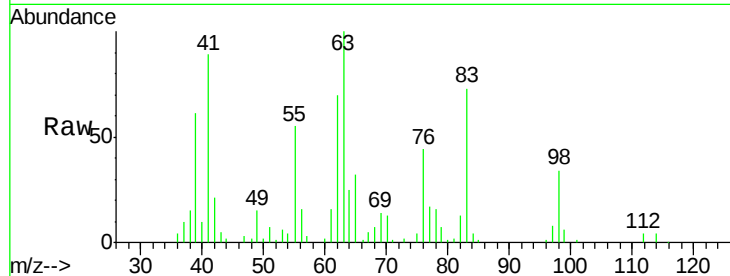
#45
 1,2-Dichloropropane
 Concen: 19.043 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion: 63 Resp: 46218
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2

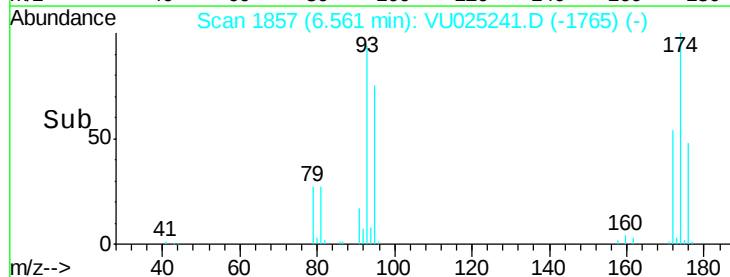
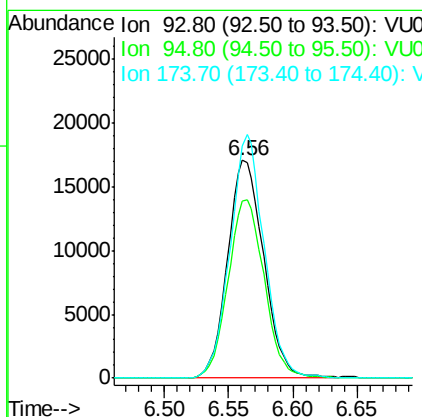
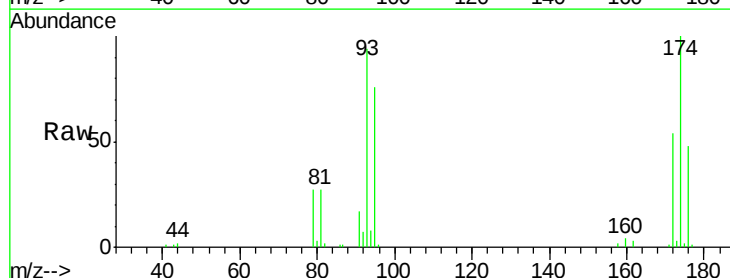
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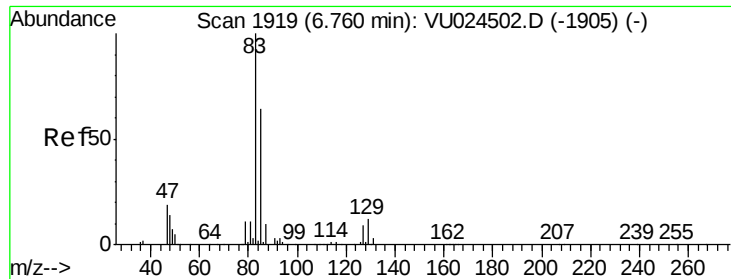
MMDadoda
 7/9/2018 12:57:58 PM



#46
 Dibromomethane
 Concen: 19.562 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion: 93 Resp: 33350
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.5 98.3
 174 105.4 78.7 118.1





#47

Bromodichloromethane

Concen: 18.601 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

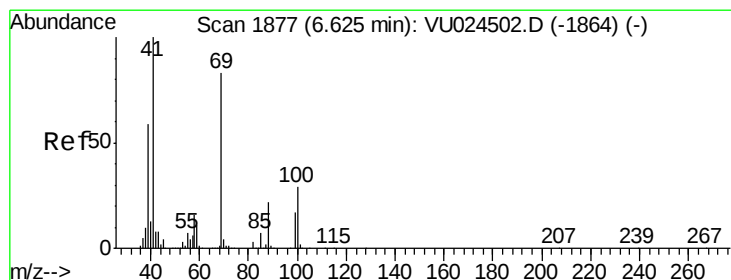
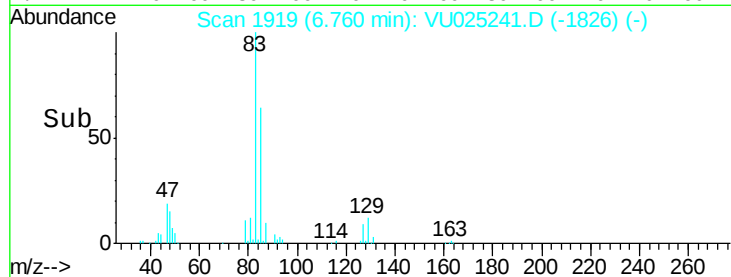
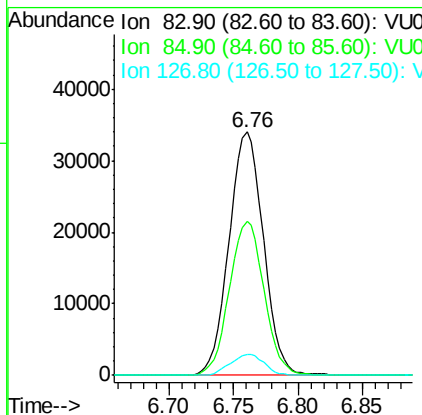
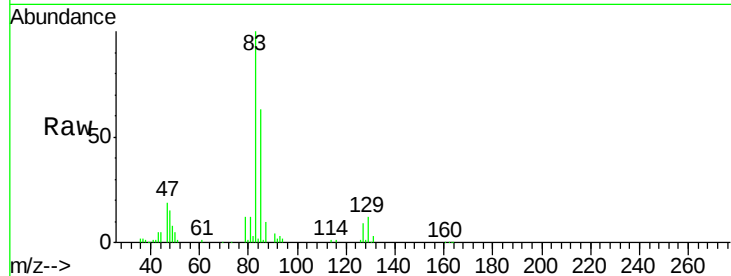
ClientSampleId :

VU0707WBS01

Tot Ion:	83	Resp:	63146
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.9	77.9
127	8.7	6.6	9.8

Manual Integrations
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MMDadoda
7/9/2018 12:57:58 PM



#48

Methyl methacrylate

Concen: 18.924 ug/l

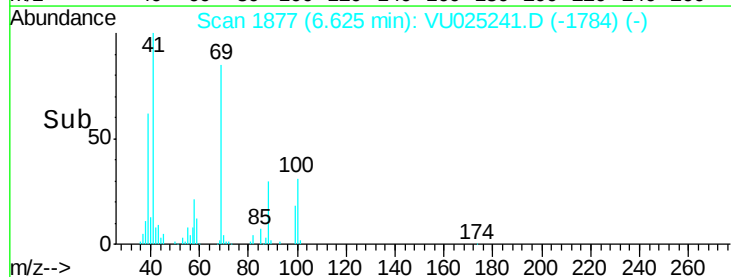
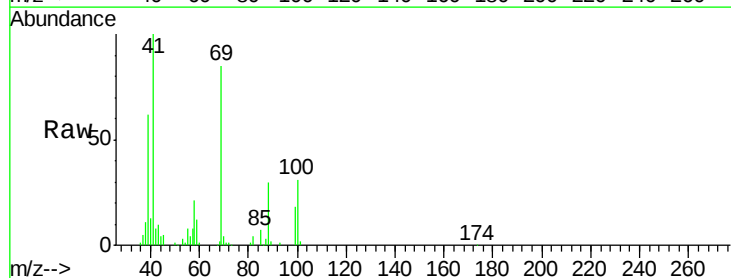
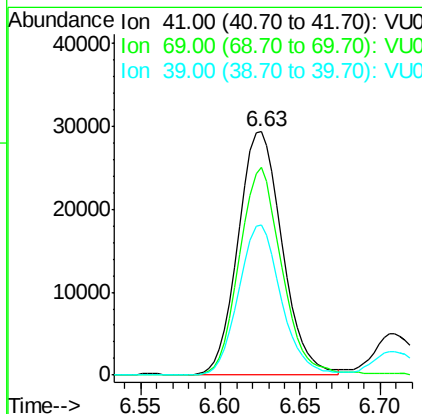
RT: 6.63 min Scan# 1877

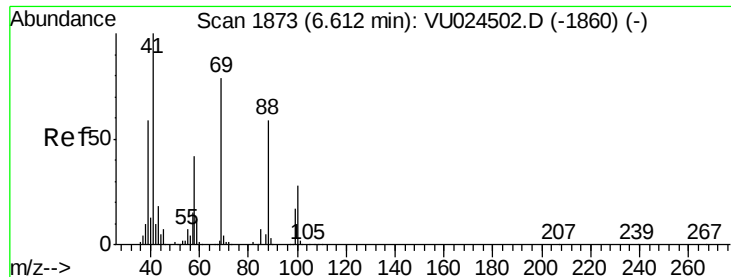
Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	41	Resp:	55421
Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.3	100.9
39	59.3	46.5	69.7





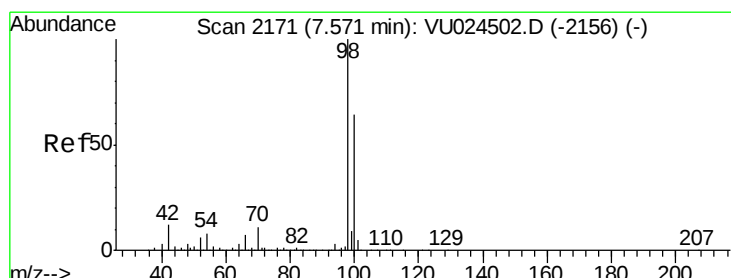
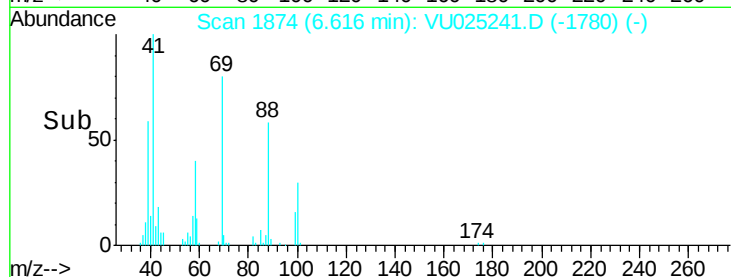
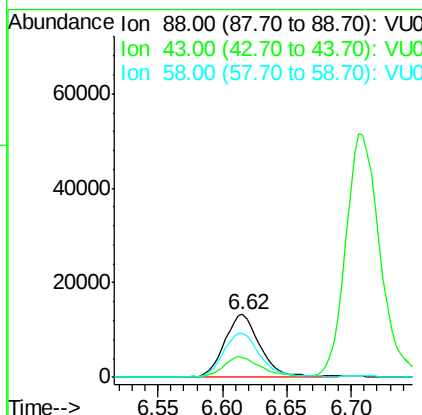
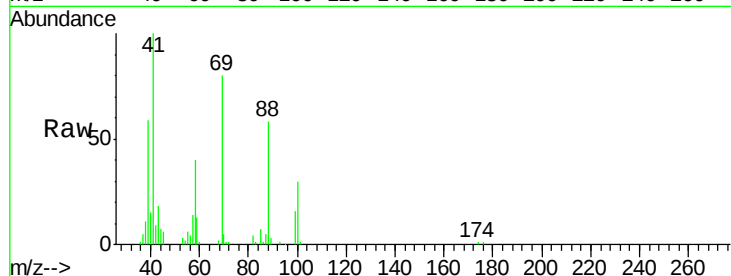
#49
1,4-Dioxane
Concen: 449.838 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.6	42.8
58	72.3	58.2	87.4

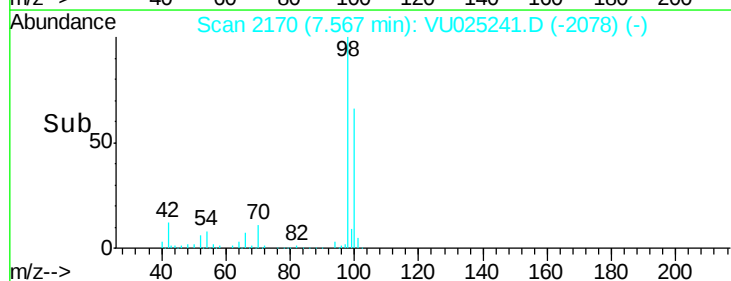
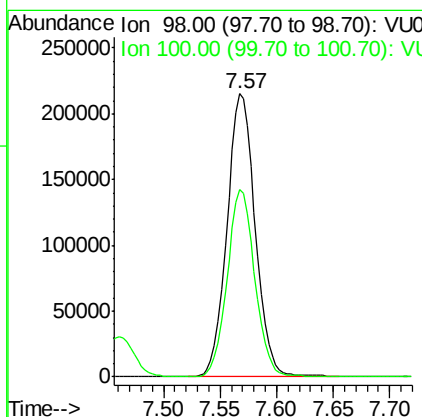
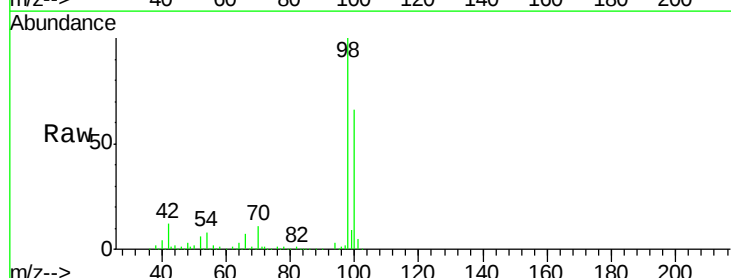
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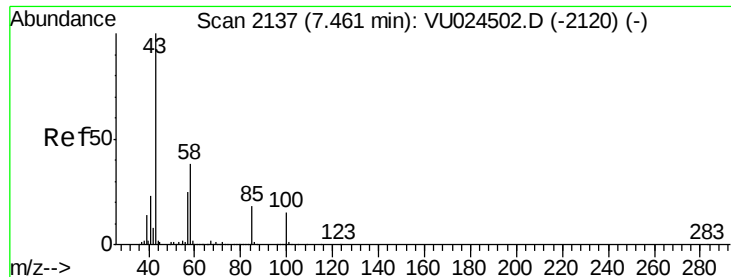
MMDadoda
7/9/2018 12:57:58 PM



#50
Toluene-d8
Concen: 45.475 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 93.994 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 43 Resp: 355151

Ion Ratio Lower Upper

43 100

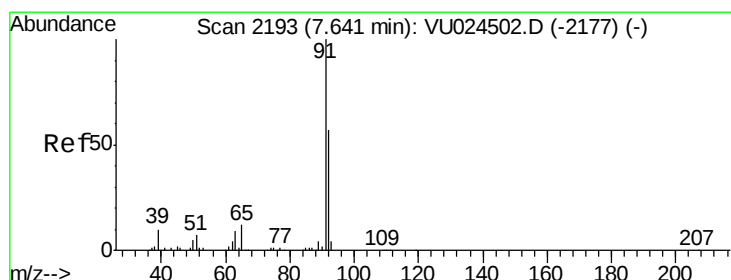
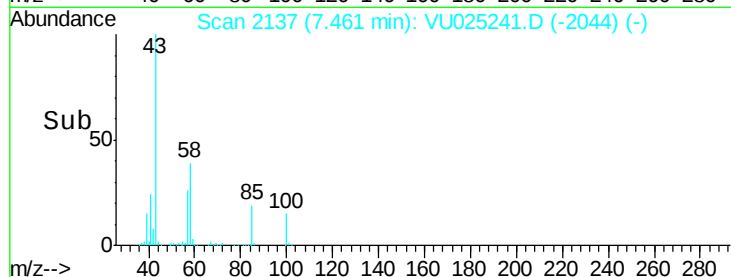
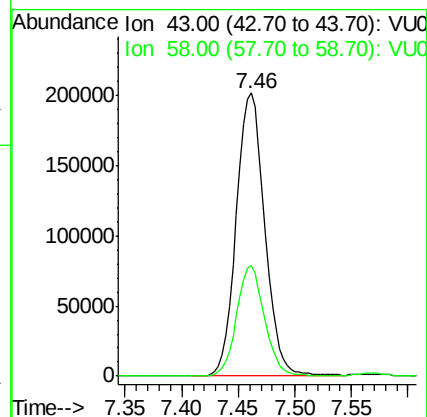
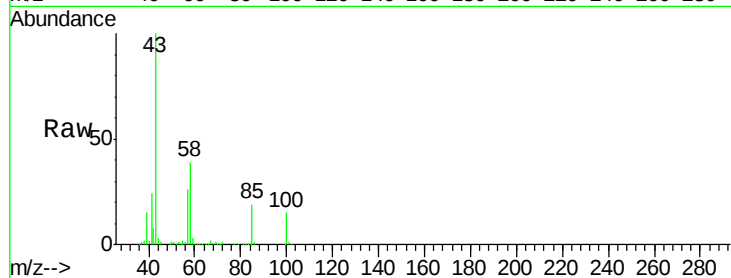
58 38.1 30.0 45.0

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#52

Toluene

Concen: 19.044 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025241.D

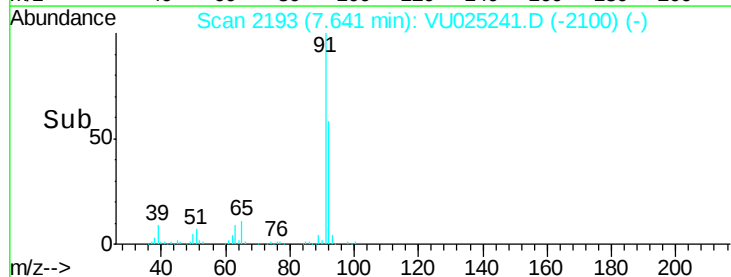
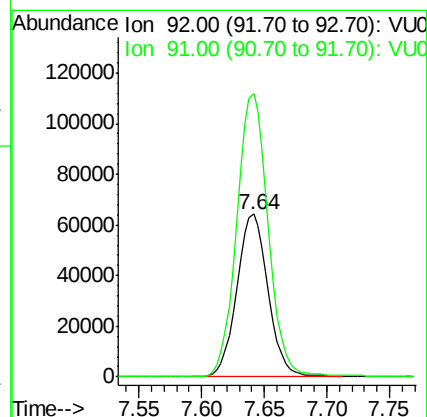
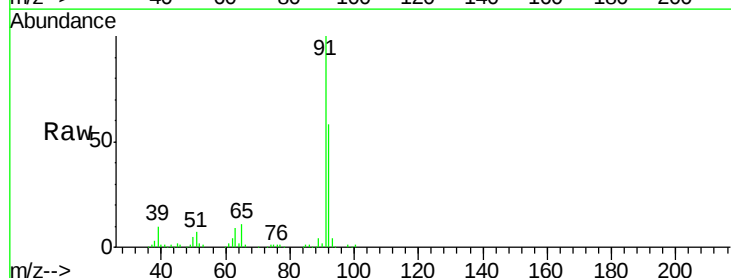
Acq: 06 Jul 2018 15:33

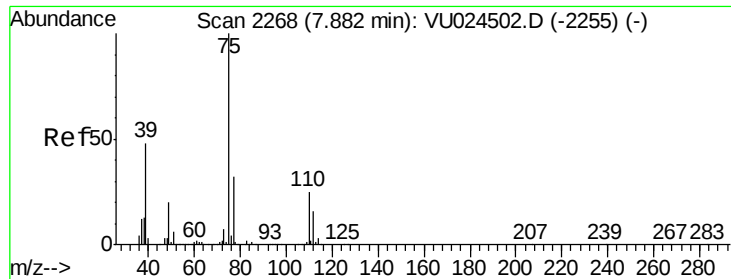
Tgt Ion: 92 Resp: 111448

Ion Ratio Lower Upper

92 100

91 174.9 140.5 210.7





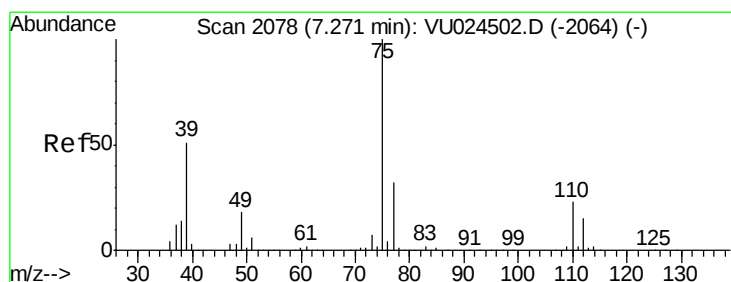
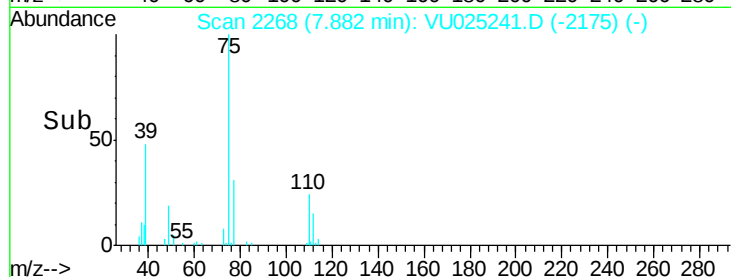
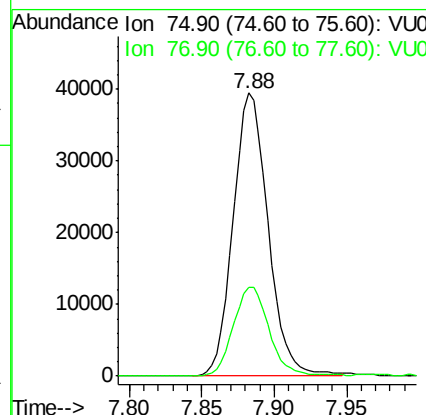
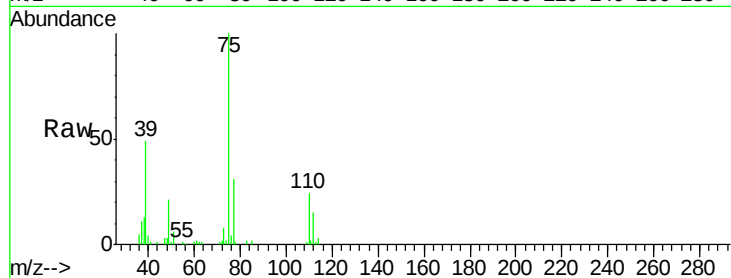
#53
t-1,3-Dichloropropene
Concen: 17.376 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion: 75 Resp: 66245
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2

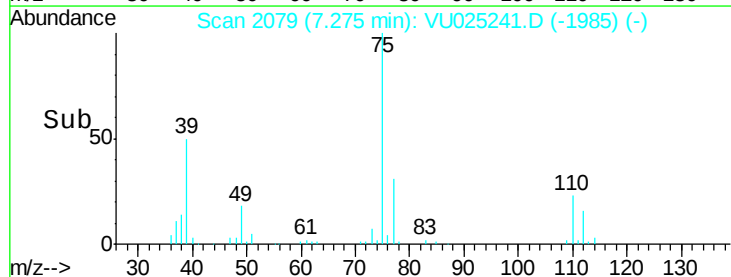
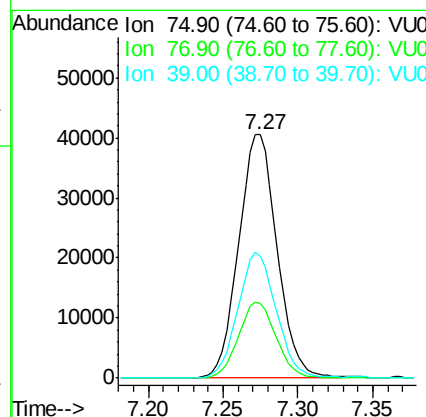
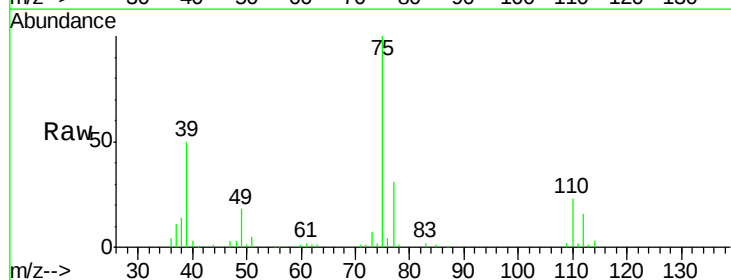
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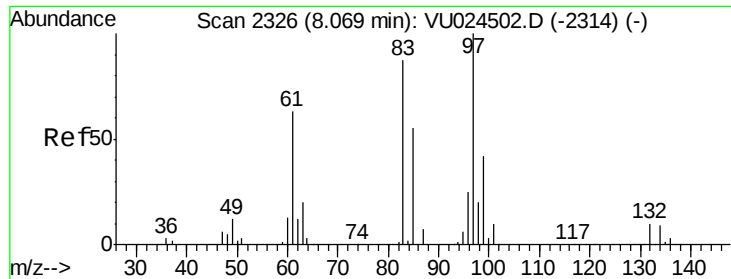
MMDadoda
7/9/2018 12:57:58 PM



#54
cis-1,3-Dichloropropene
Concen: 17.832 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion: 75 Resp: 72437
Ion Ratio Lower Upper
75 100
77 30.5 24.6 36.8
39 50.0 39.8 59.6





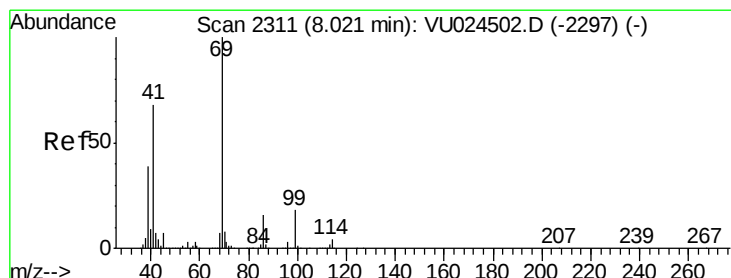
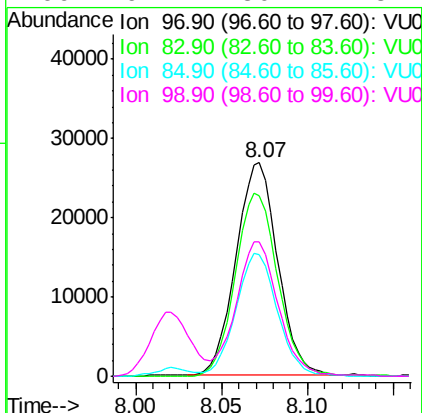
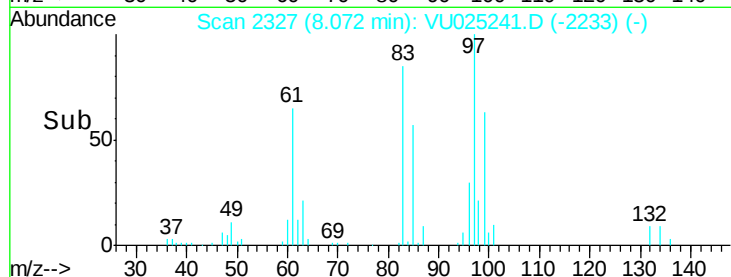
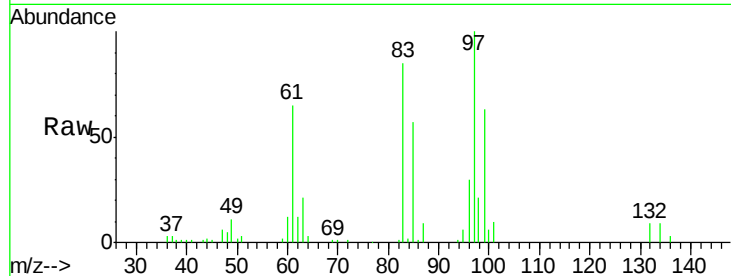
#55
 1,1,2-Trichloroethane
 Concen: 19.069 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	97	Resp	45362
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.5	105.7
85	56.6	46.4	69.6
99	62.4	50.2	75.2

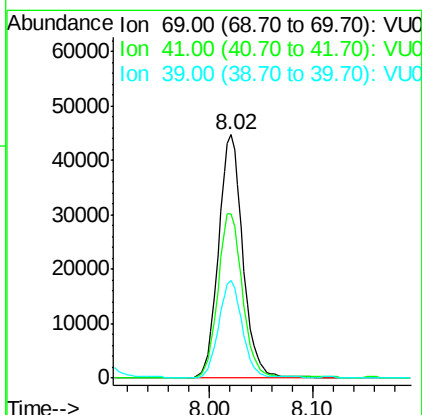
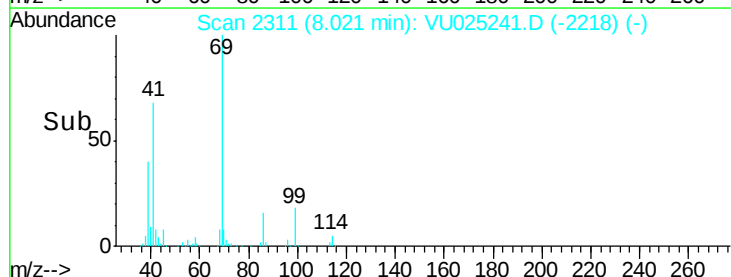
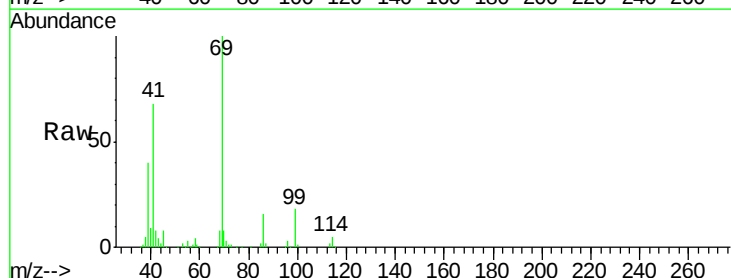
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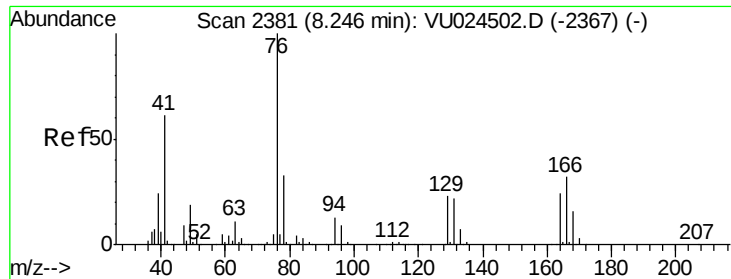
MMDadoda
 7/9/2018 12:57:58 PM



#56
 Ethyl methacrylate
 Concen: 18.383 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	69	Resp	73193
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	38.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.583 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 76 Resp: 78585

Ion Ratio Lower Upper

76 100

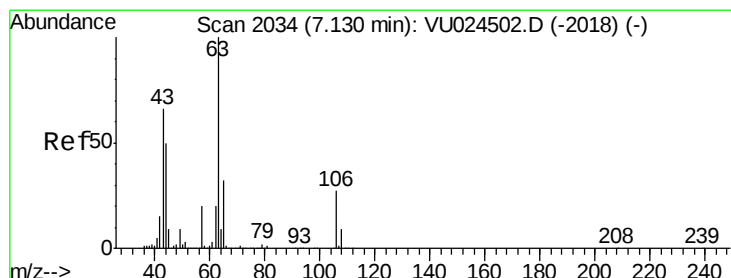
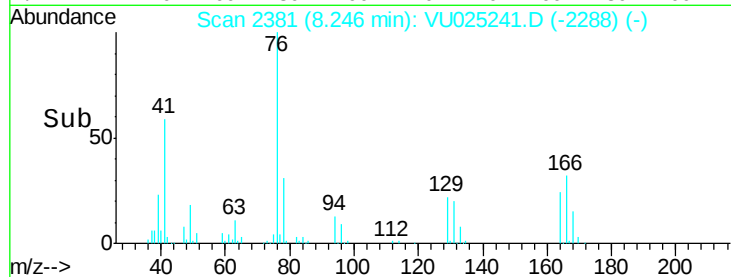
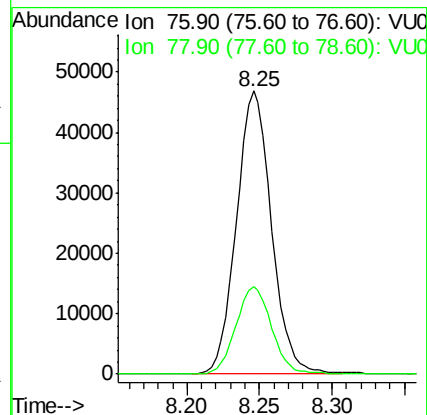
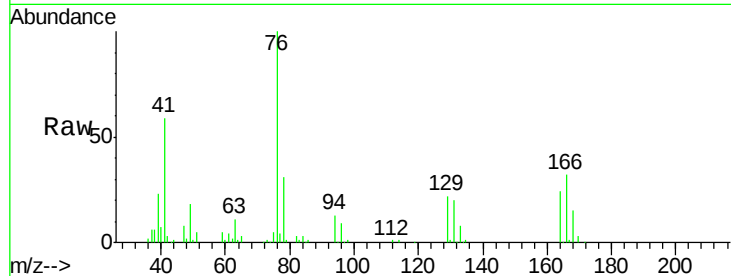
78 31.5 25.2 37.8

Manual Integrations

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MMDadoda

7/9/2018 12:57:58 PM



#58

2-Chloroethyl Vinyl ether

Concen: 81.265 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025241.D

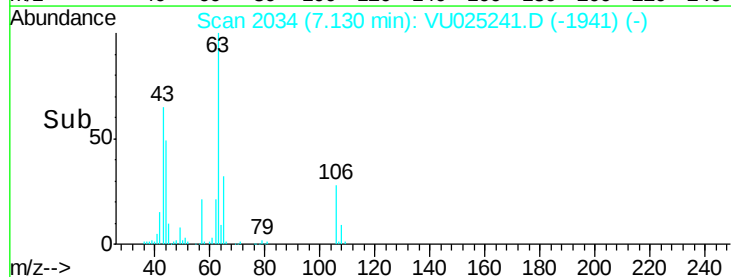
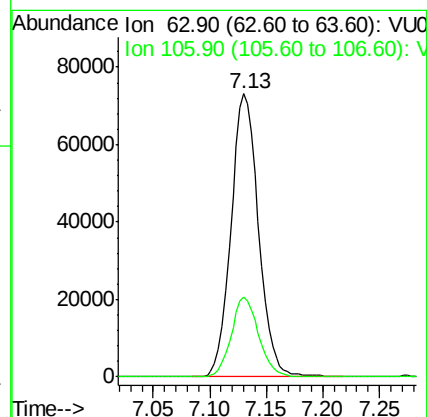
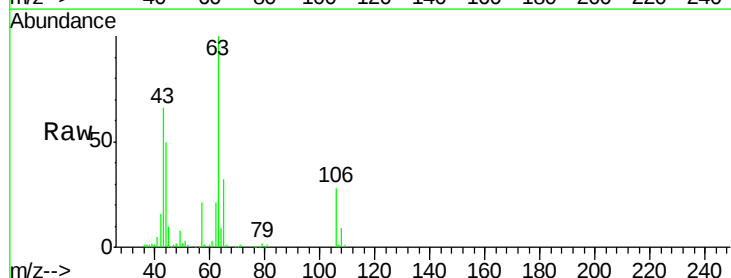
Acq: 06 Jul 2018 15:33

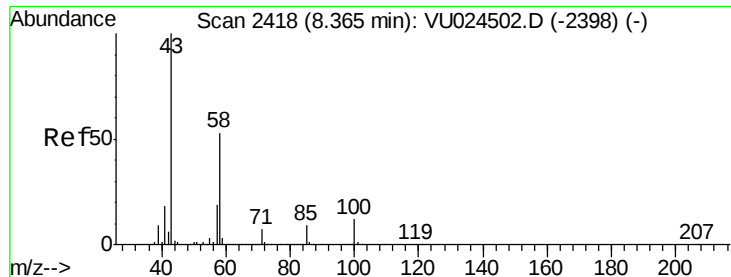
Tgt Ion: 63 Resp: 123959

Ion Ratio Lower Upper

63 100

106 28.0 20.2 30.2





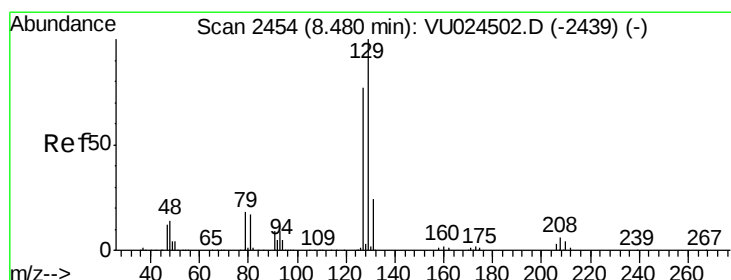
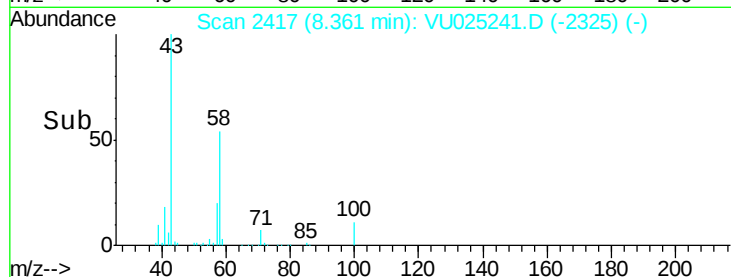
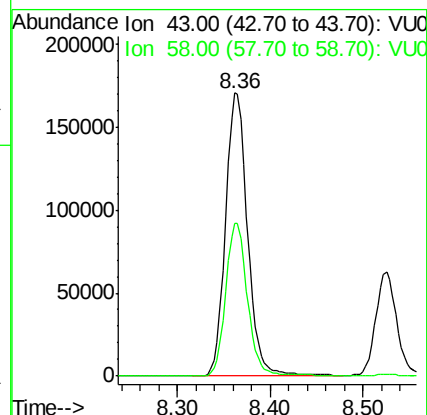
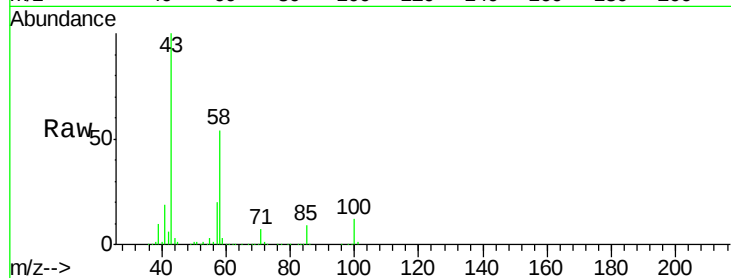
#59
2-Hexanone
Concen: 91.496 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion: 43 Resp: 282241
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0

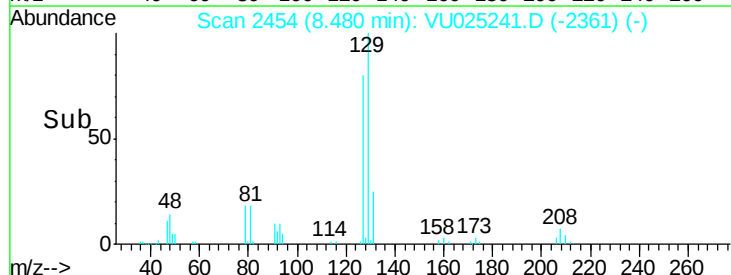
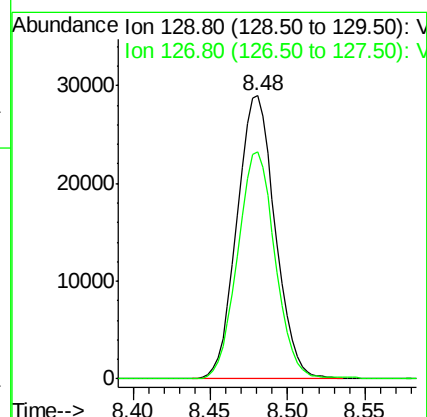
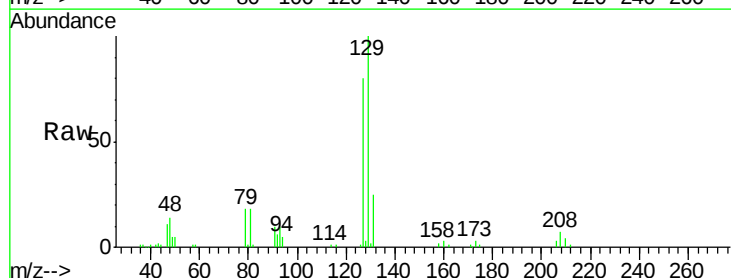
Manual Integrations
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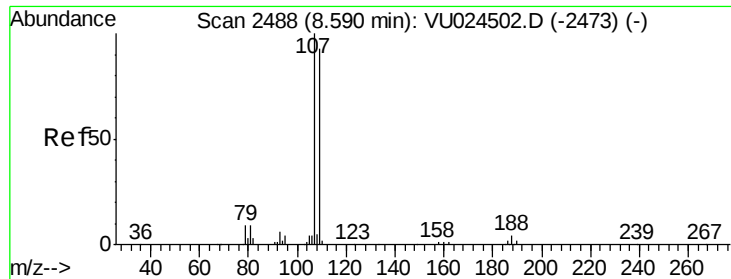
MMDadoda
7/9/2018 12:57:58 PM



#60
Dibromochloromethane
Concen: 16.737 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion: 129 Resp: 49649
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





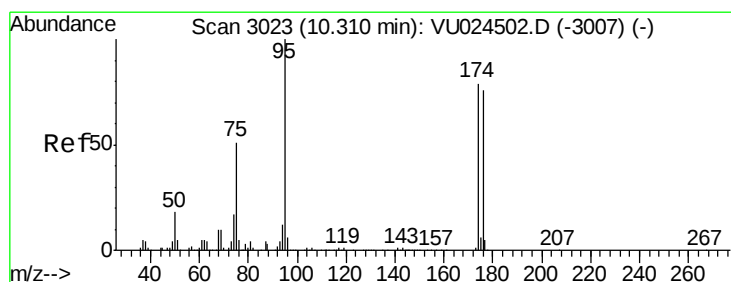
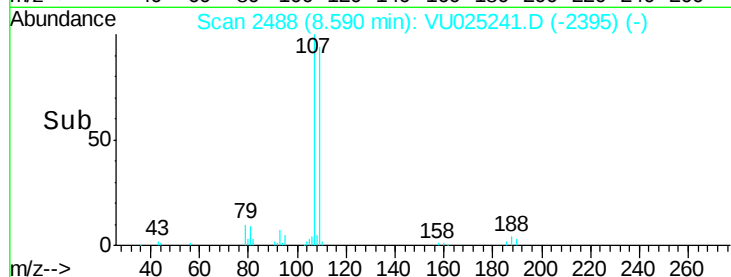
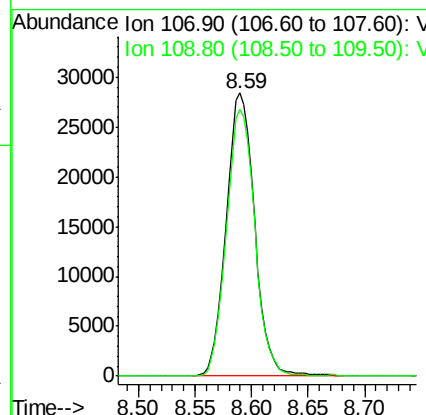
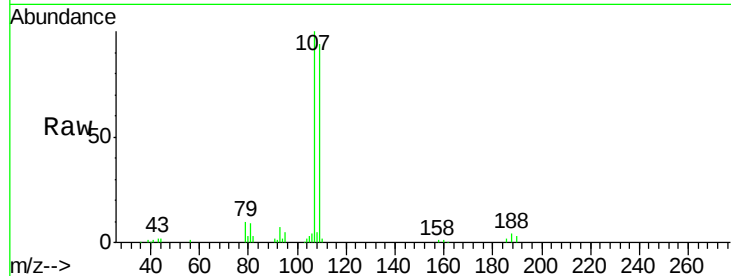
#61
 1,2-Dibromoethane
 Concen: 18.784 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.5	111.7

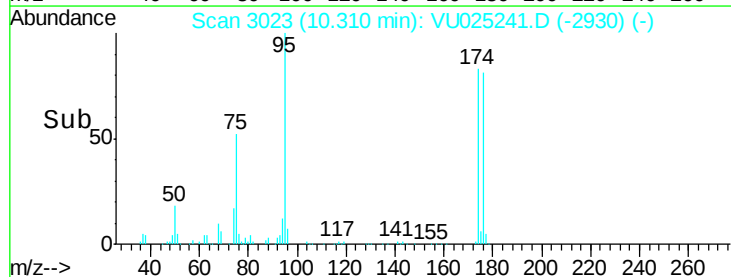
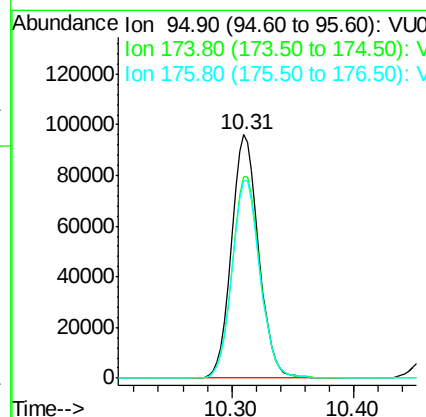
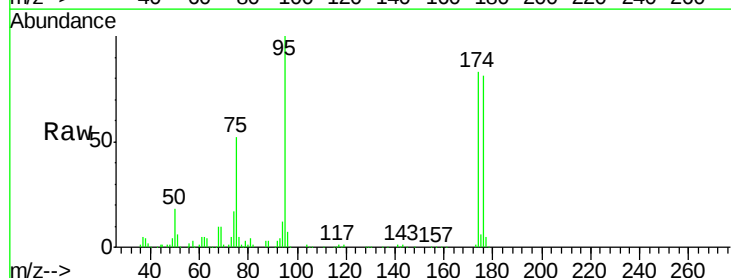
Manual Integrations
 APPROVED

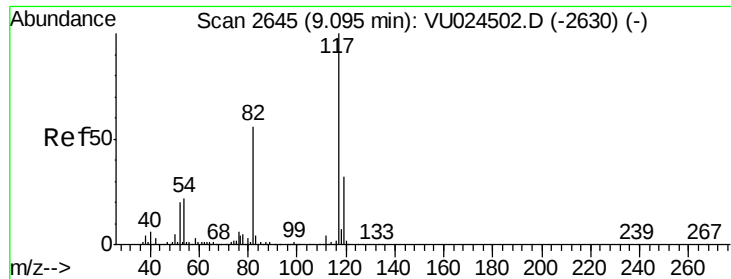
MMDadoda
 7/9/2018 12:57:58 PM



#62
 4-Bromofluorobenzene
 Concen: 45.917 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	165.8
176	83.7	0.0	159.4





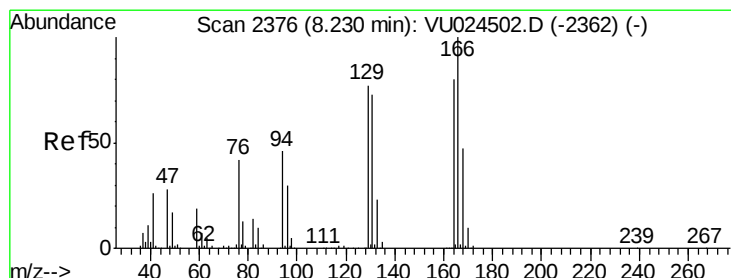
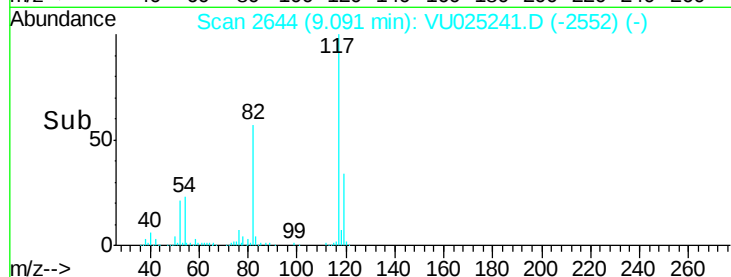
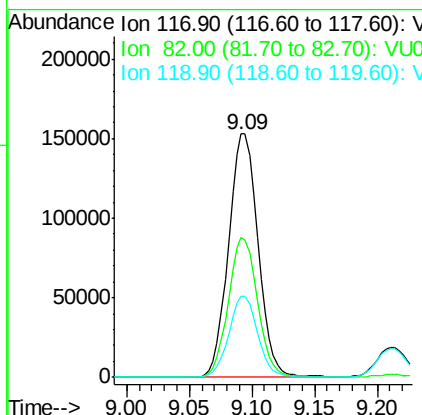
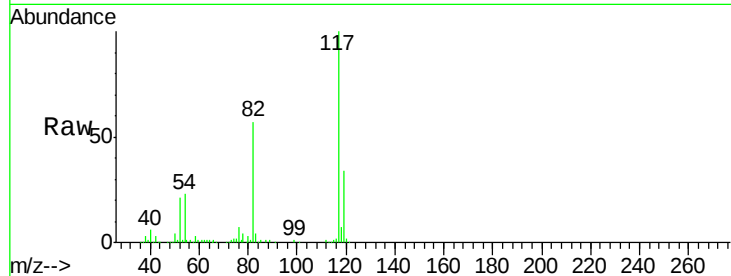
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250711		
82	57.4	44.3	66.5	
119	33.5	25.4	38.2	

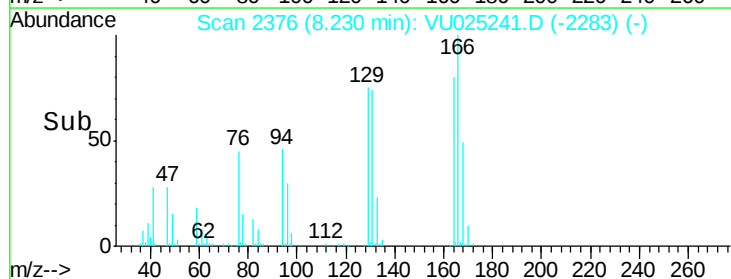
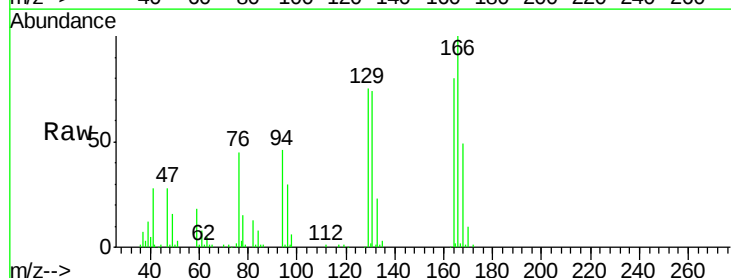
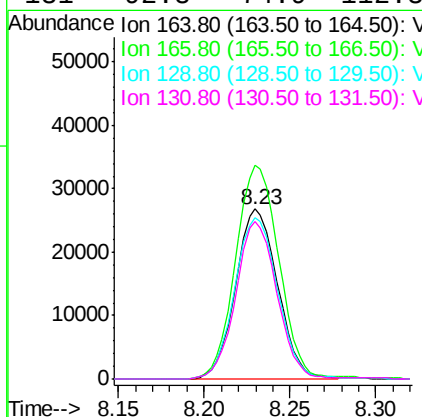
Manual Integrations
APPROVED

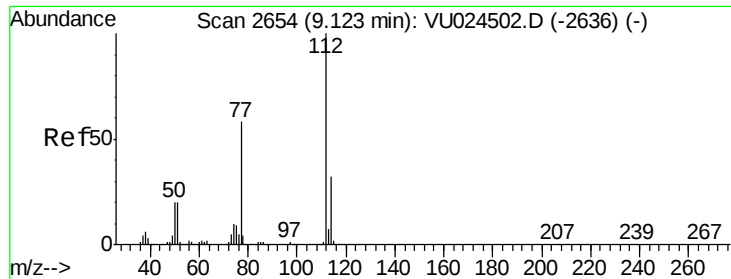
MMDadoda
7/9/2018 12:57:58 PM



#64
Tetrachloroethene
Concen: 19.184 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45718		
166	125.8	101.7	152.5	
129	94.6	76.9	115.3	
131	92.8	74.9	112.3	





#65

Chlorobenzene

Concen: 19.996 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion:112 Resp: 128070

Ion Ratio Lower Upper

112 100

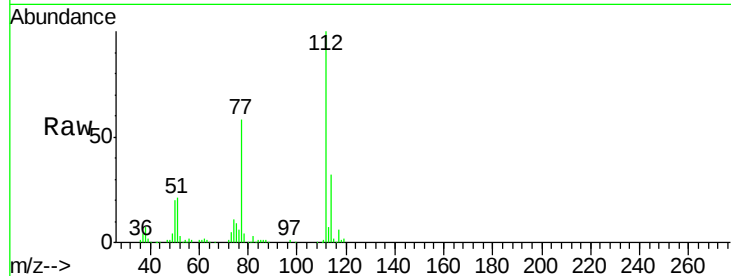
114 32.2 25.6 38.4

Manual Integrations

APPROVED

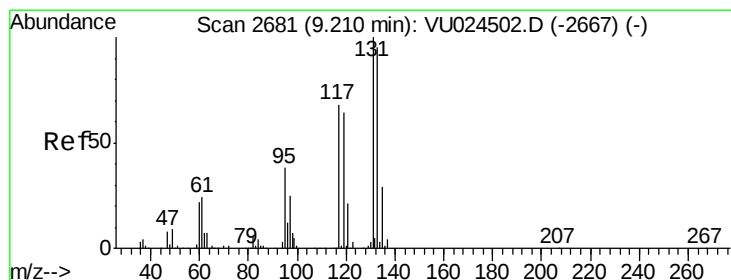
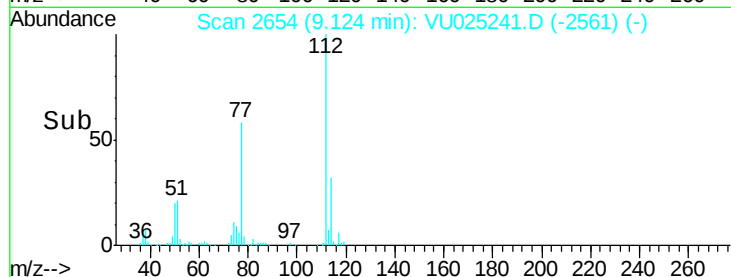
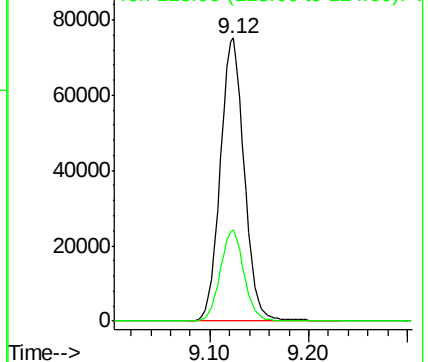
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

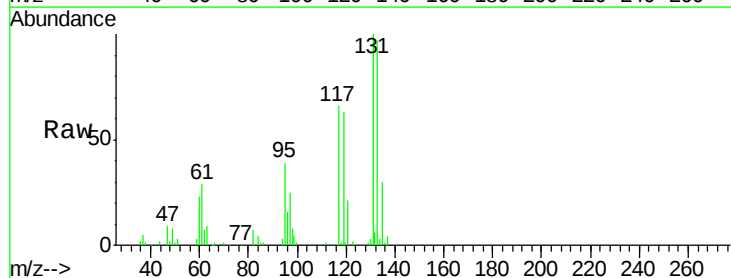
Tgt Ion:131 Resp: 47286

Ion Ratio Lower Upper

131 100

133 96.8 46.9 140.8

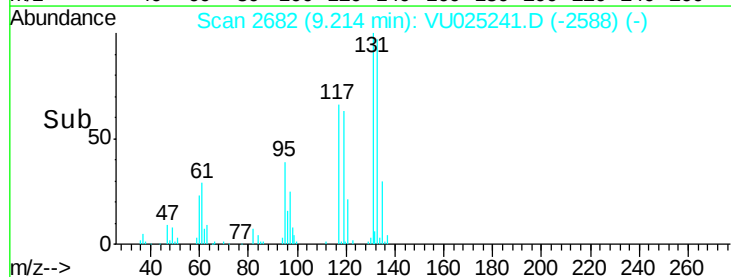
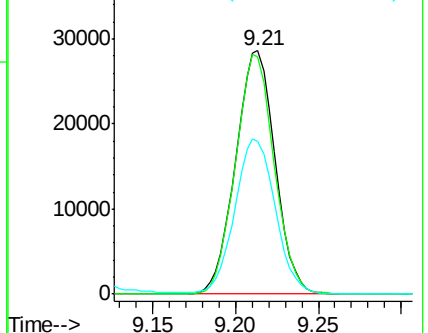
119 65.5 33.5 100.4

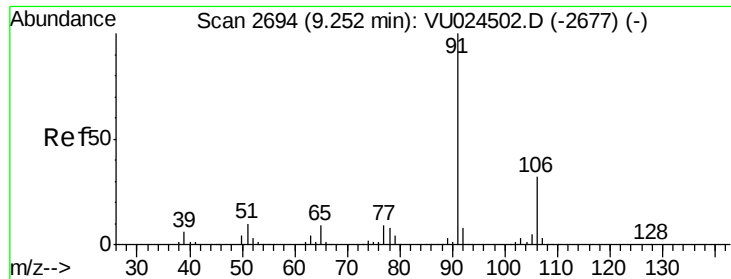


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.394 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 91 Resp: 217756

Ion Ratio Lower Upper

91 100

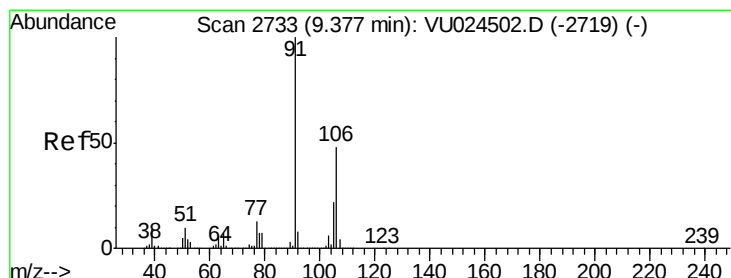
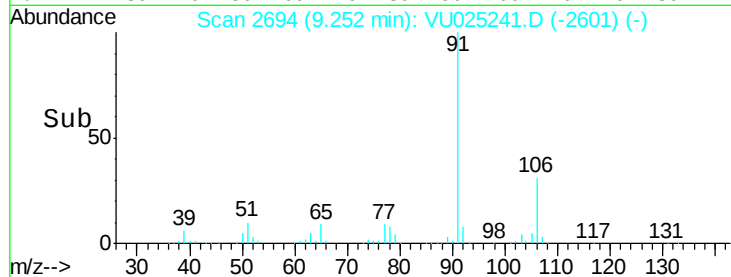
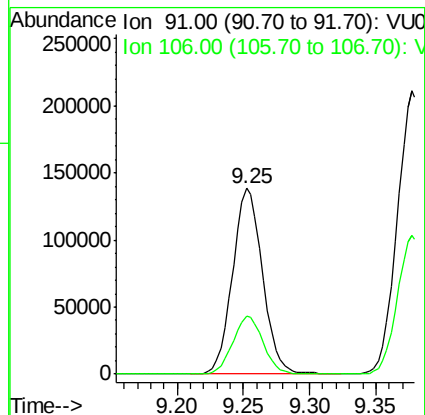
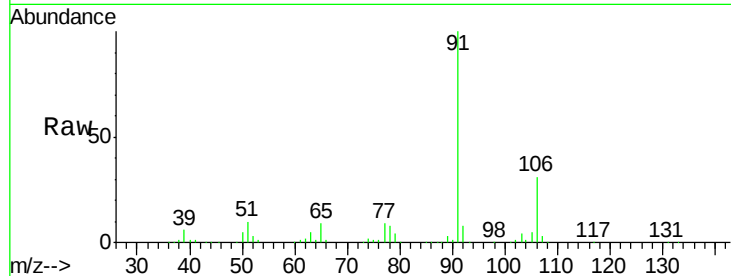
106 30.9 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.484 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025241.D

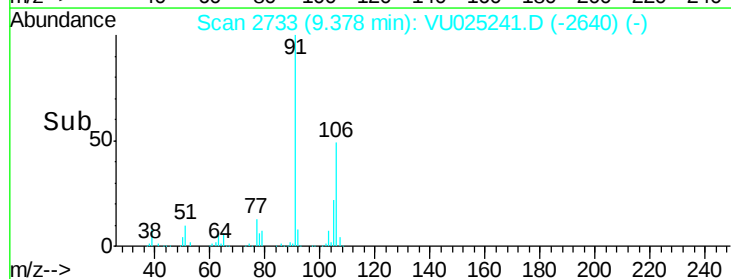
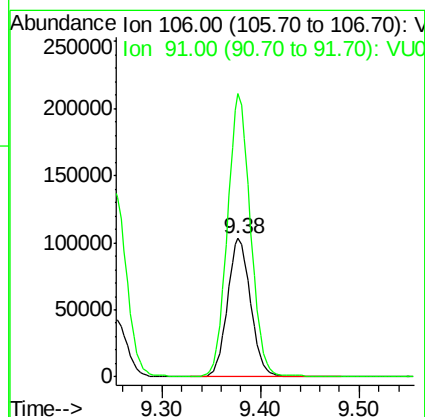
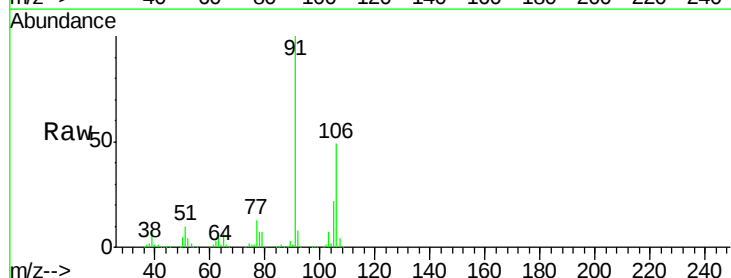
Acq: 06 Jul 2018 15:33

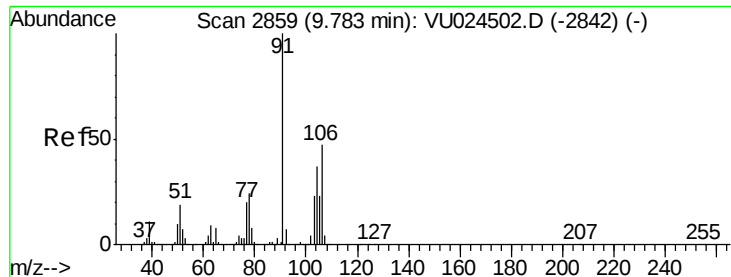
Tgt Ion: 106 Resp: 170236

Ion Ratio Lower Upper

106 100

91 202.2 166.5 249.7





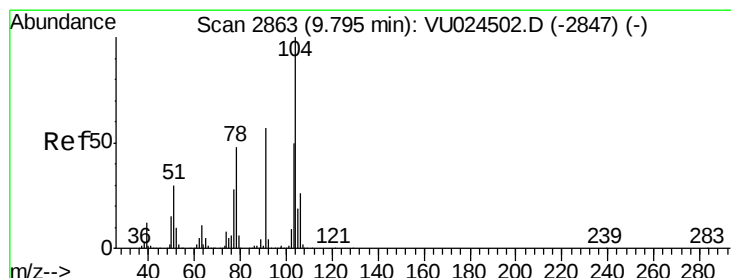
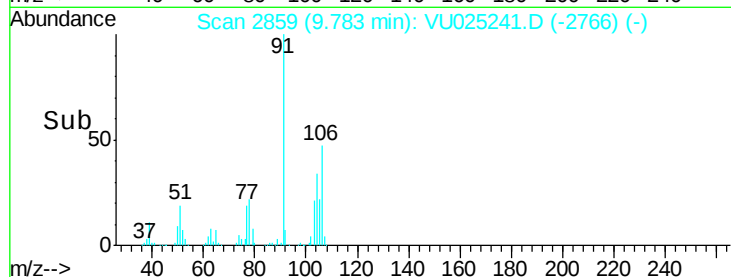
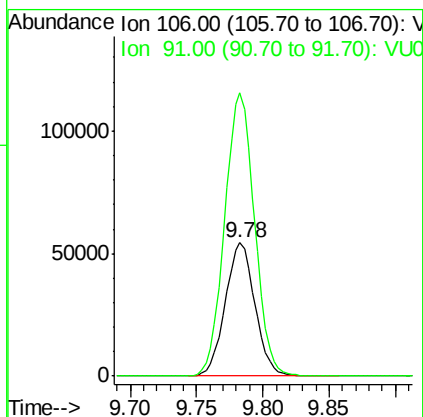
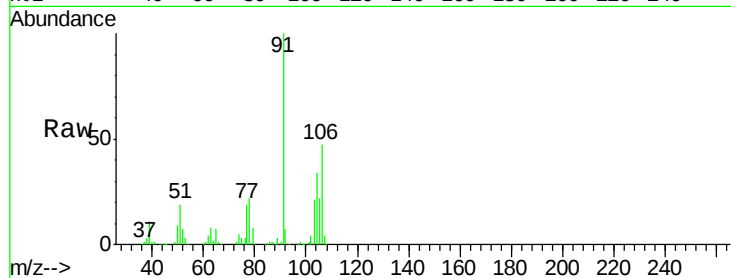
#69
o-Xylene
Concen: 19.805 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampled :
VU0707WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	110.7	331.9	

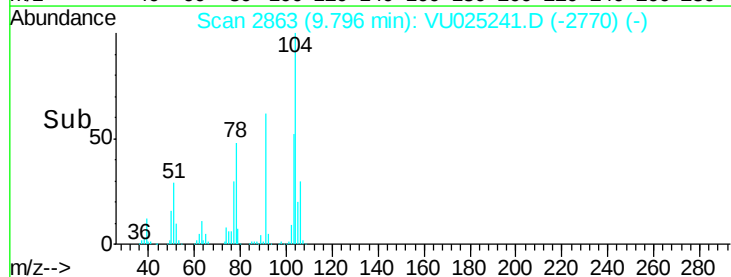
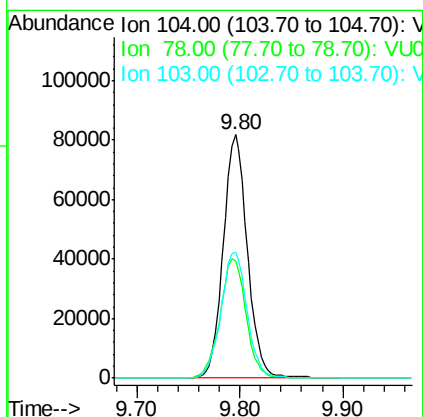
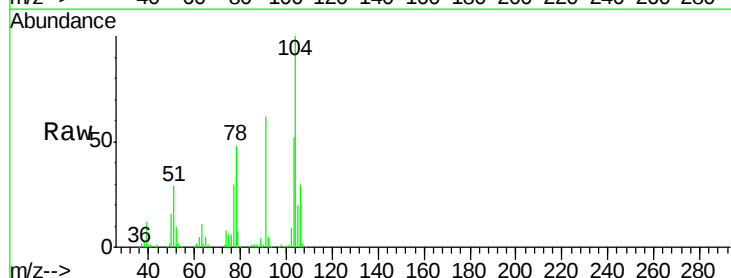
Manual Integrations
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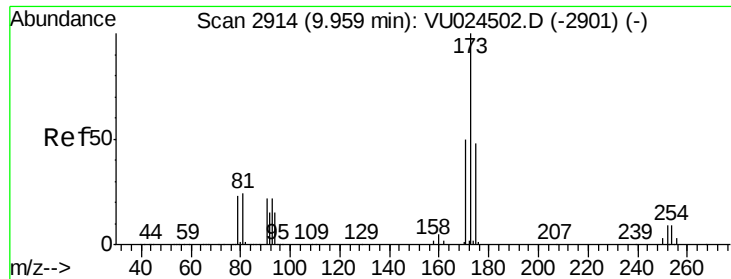
MMDadoda
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#70
Styrene
Concen: 19.037 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.9	40.6	60.8	
103	56.0	44.7	67.1	





#71

Bromoform

Concen: 16.277 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion:173 Resp: 37647

Ion Ratio Lower Upper

173 100

175 48.2 24.6 74.0

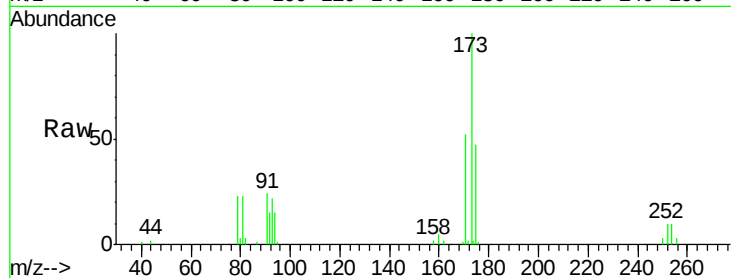
254 0.0 0.0 0.0

Manual Integrations

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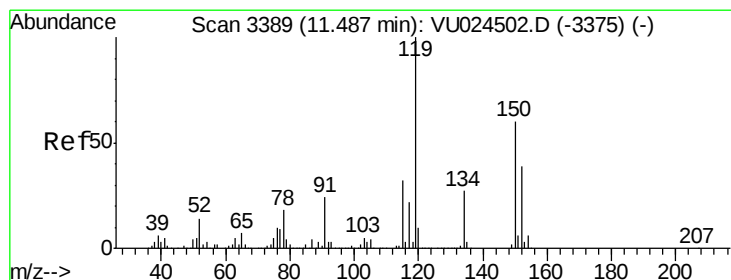
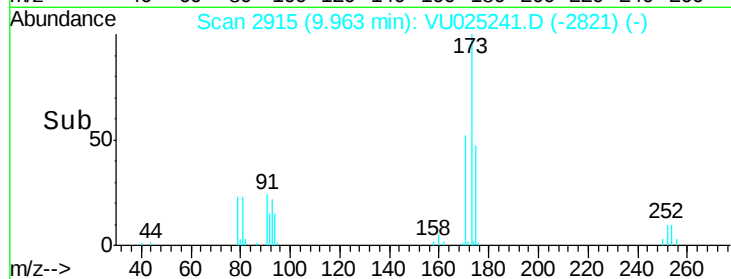
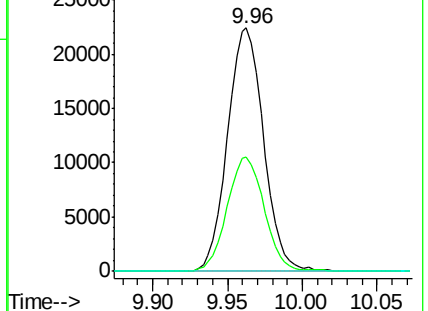
7/9/2018 12:57:58 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

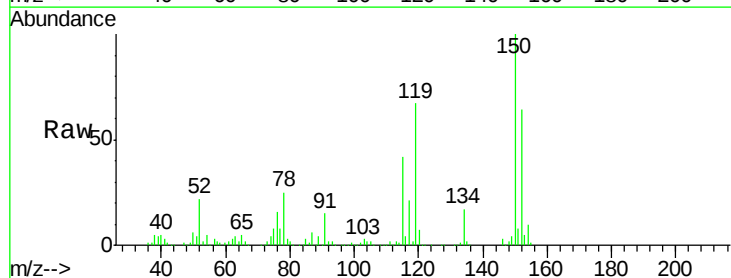
Tgt Ion:152 Resp: 149231

Ion Ratio Lower Upper

152 100

115 67.6 43.0 129.0

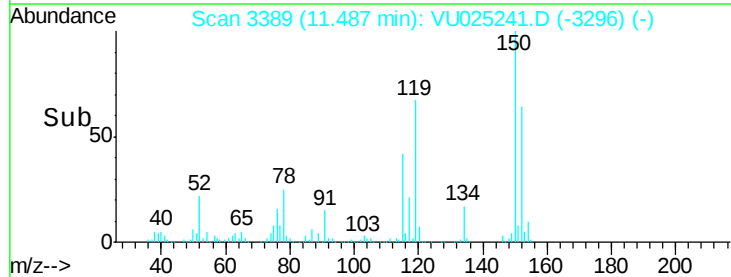
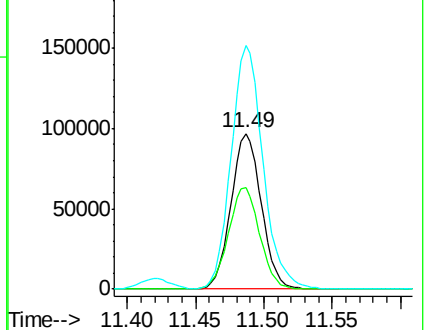
150 164.4 0.0 354.0

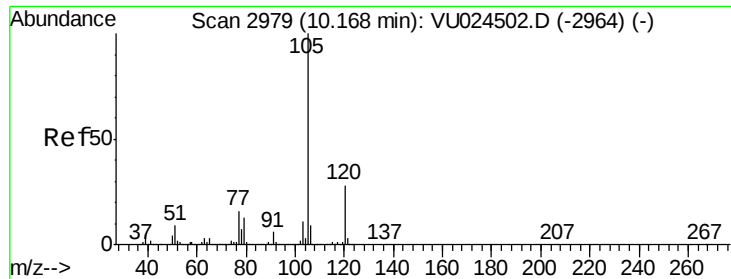


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.908 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 105 Resp: 228092

Ion Ratio Lower Upper

105 100

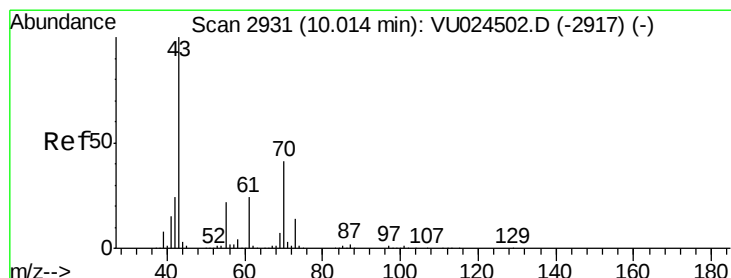
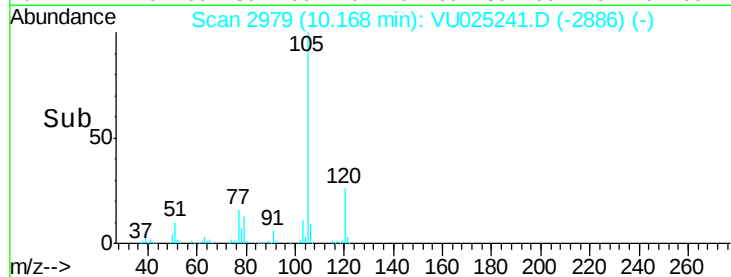
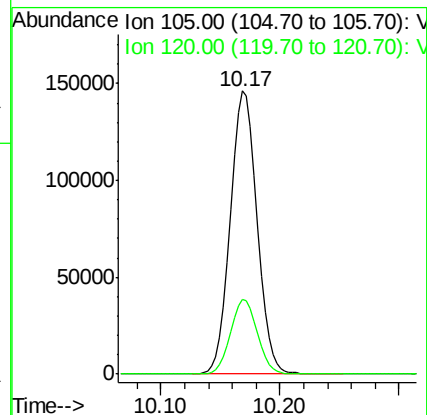
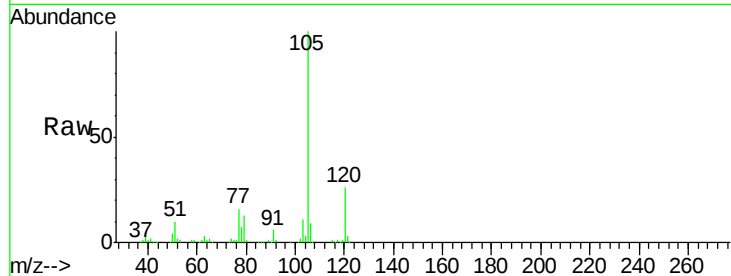
120 26.5 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.269 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion: 43 Resp: 94108

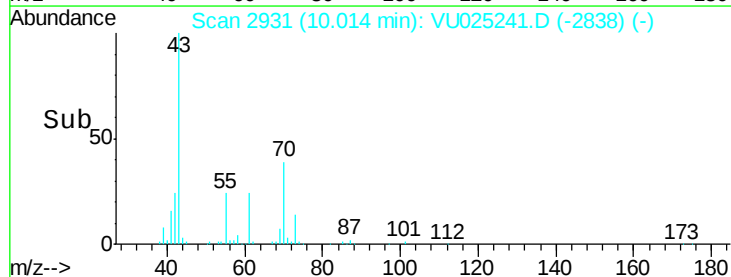
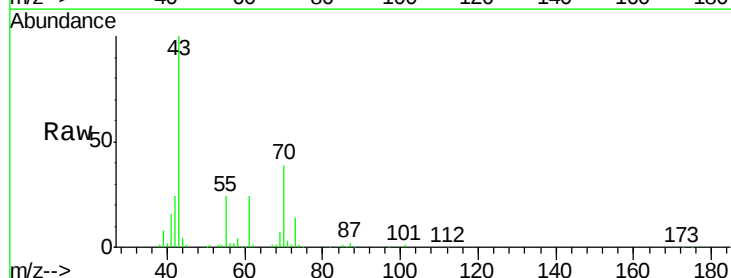
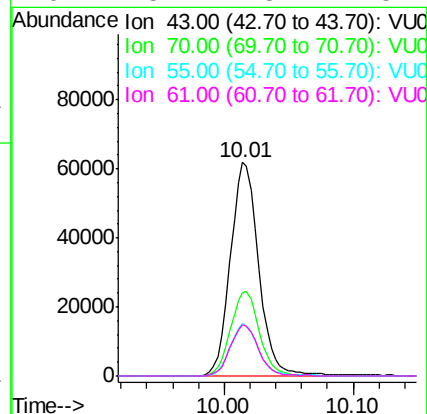
Ion Ratio Lower Upper

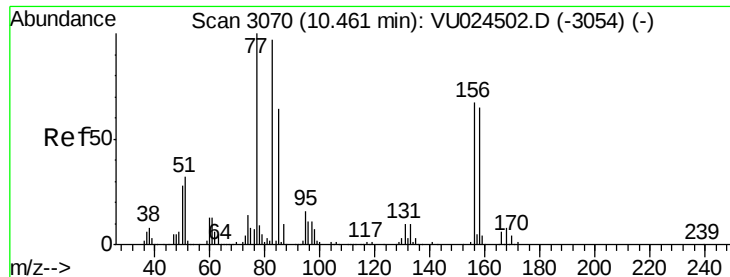
43 100

70 40.7 32.2 48.4

55 24.7 20.5 30.7

61 23.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.375 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 83 Resp: 74387

Ion Ratio Lower Upper

83 100

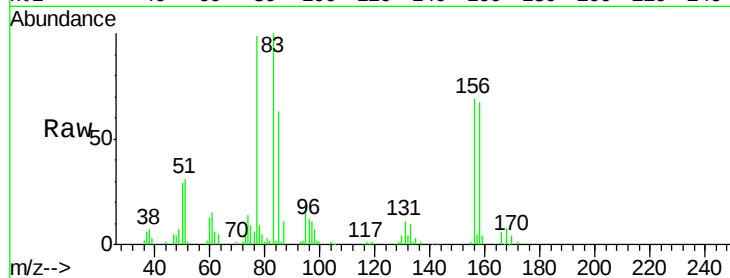
131 11.1 4.7 14.1

85 66.0 32.5 97.5

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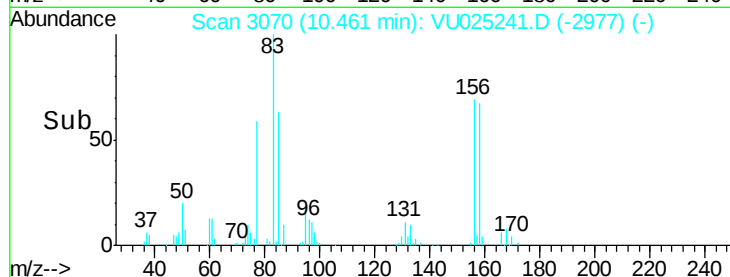


Abundance Ion 82.90 (82.60 to 83.60): VU025241.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025241.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025241.D (-2977) (-)

Time-->



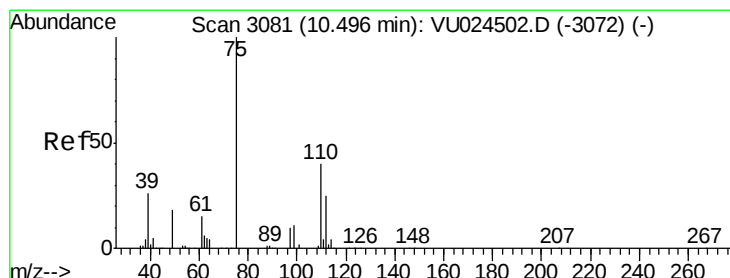
Abundance

Ion 82.90 (82.60 to 83.60): VU025241.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025241.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025241.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.041 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025241.D

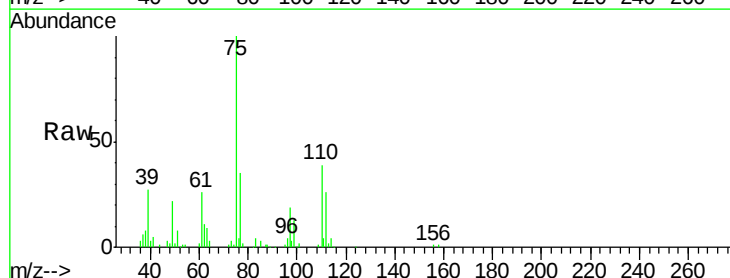
Acq: 06 Jul 2018 15:33

Tgt Ion: 75 Resp: 69130

Ion Ratio Lower Upper

75 100

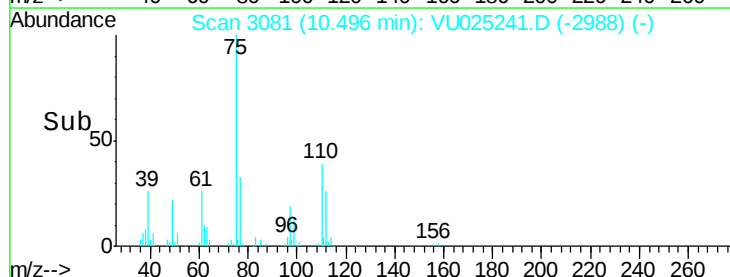
77 39.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025241.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025241.D (-2988) (-)

Time-->

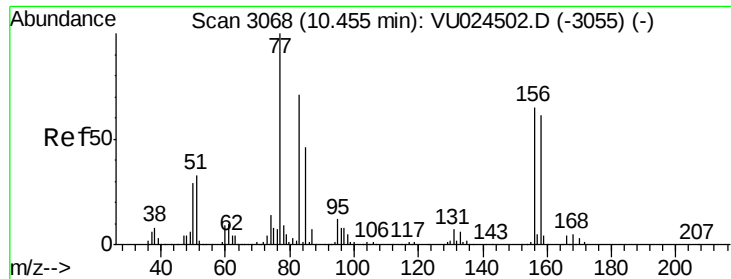


Abundance

Ion 74.90 (74.60 to 75.60): VU025241.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025241.D (-2988) (-)

Time-->



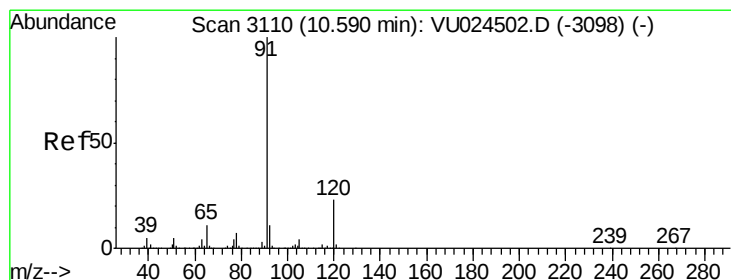
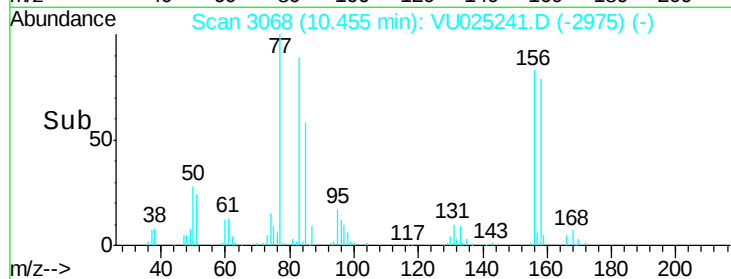
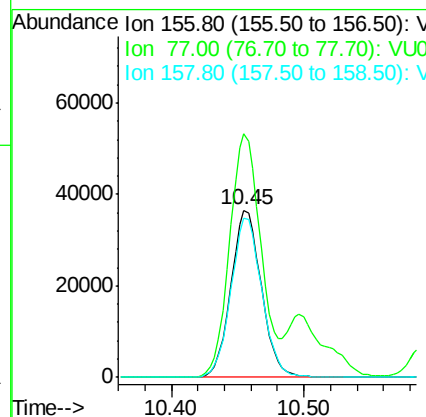
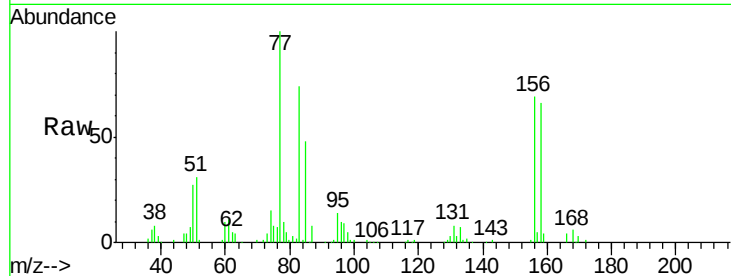
#77
Bromobenzene
Concen: 20.116 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.6	80.5	241.3
158	96.8	48.2	144.6

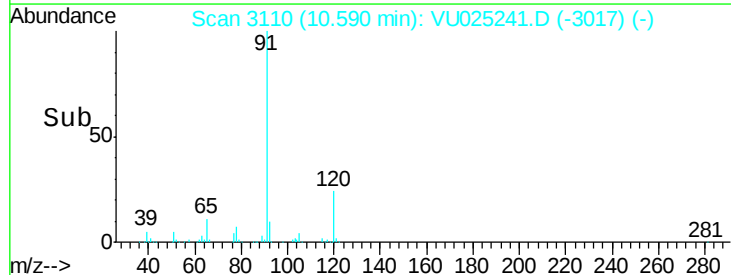
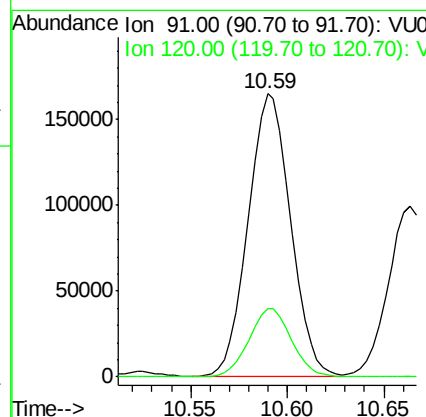
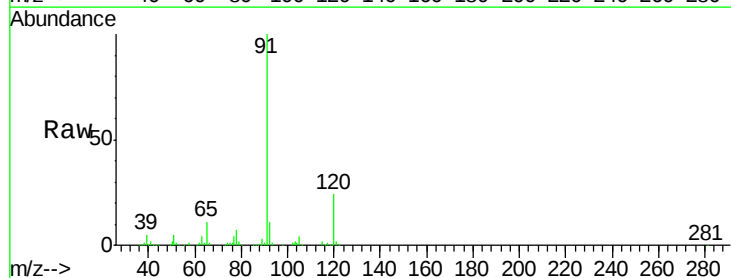
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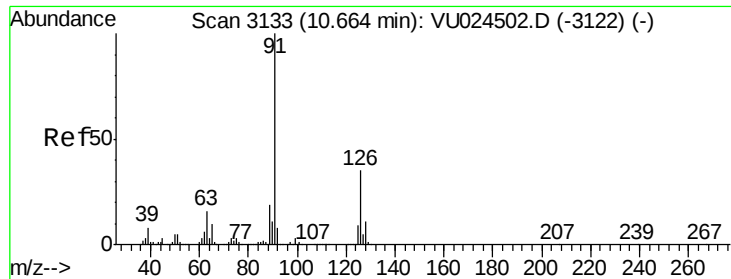
MMDadoda
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#78
n-propylbenzene
Concen: 18.648 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.726 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion: 91 Resp: 157006

Ion Ratio Lower Upper

91 100

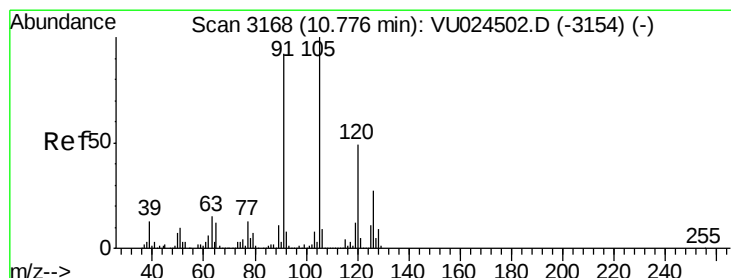
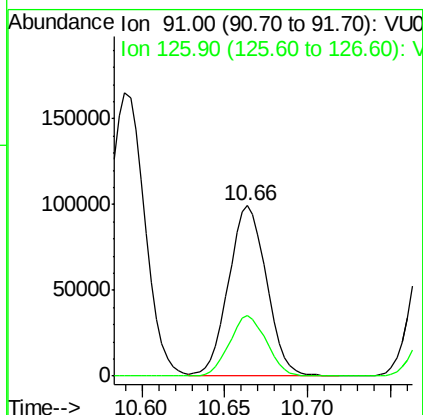
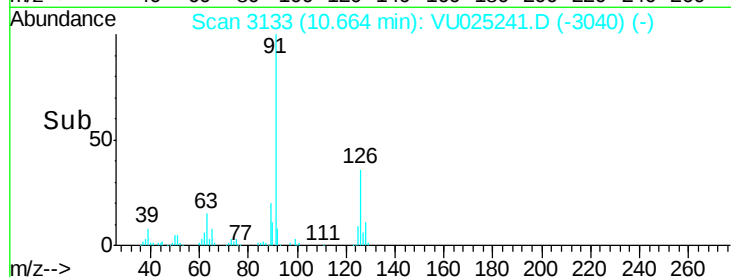
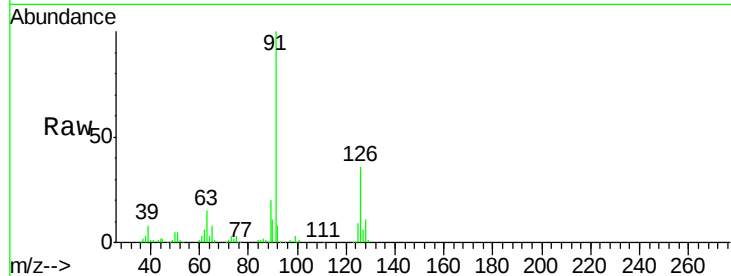
126 34.8 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.481 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025241.D

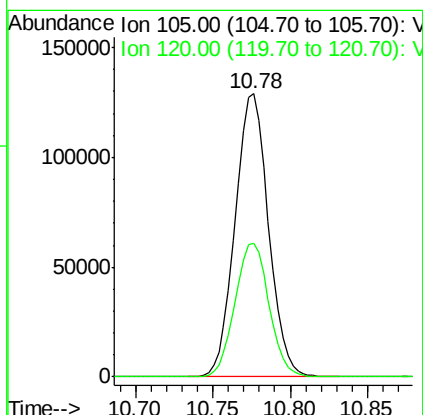
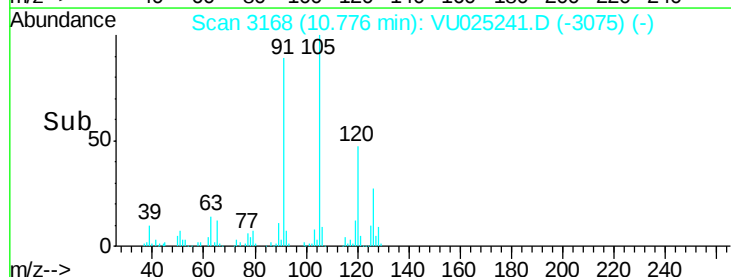
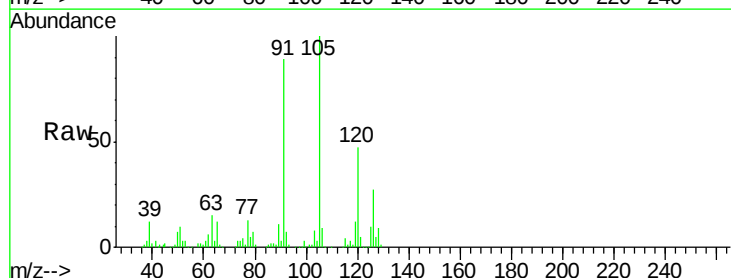
Acq: 06 Jul 2018 15:33

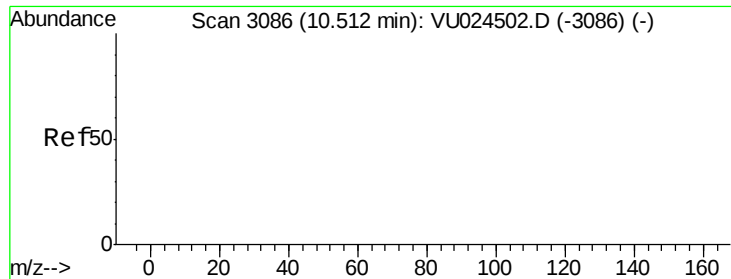
Tgt Ion: 105 Resp: 193453

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





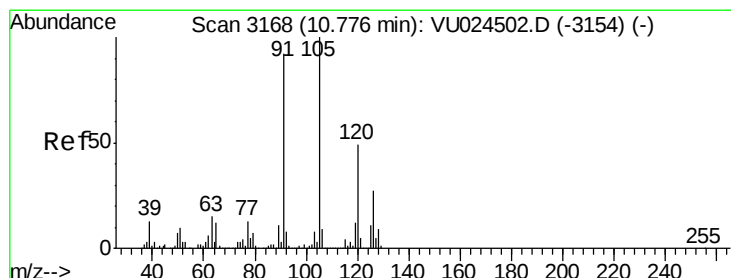
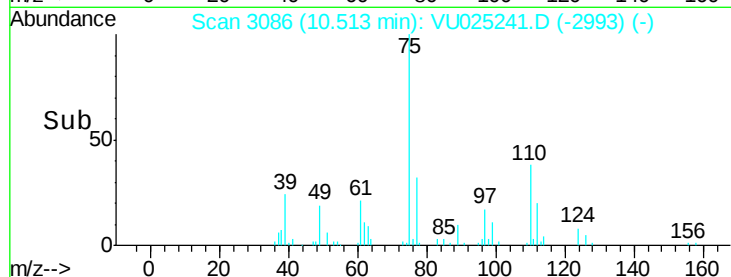
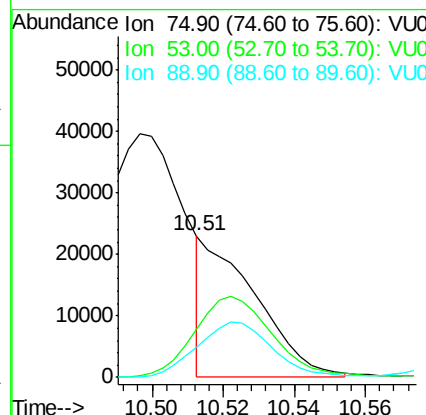
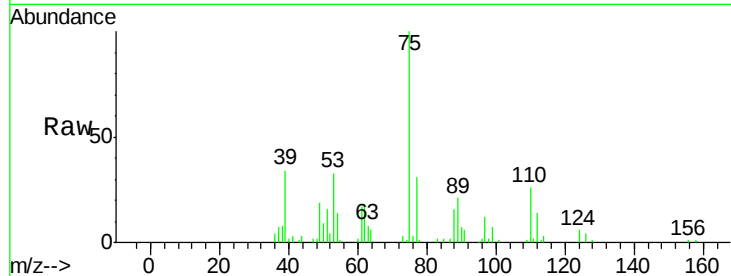
#81
trans-1,4-Dichloro-2-butene
Concen: 16.675 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

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

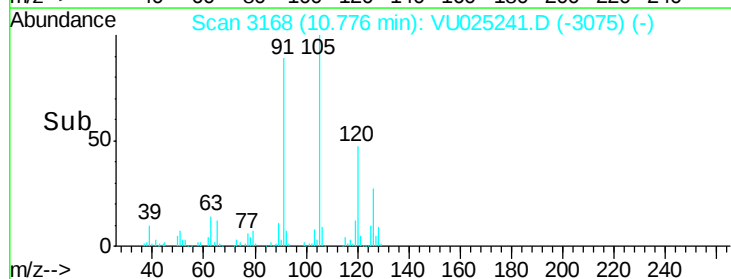
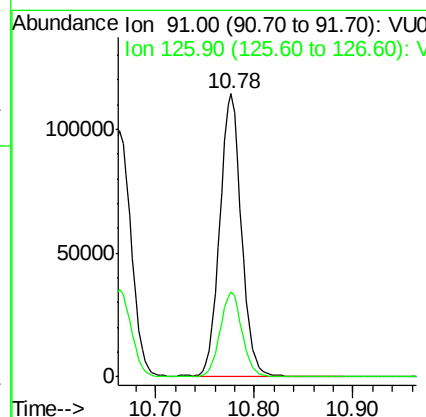
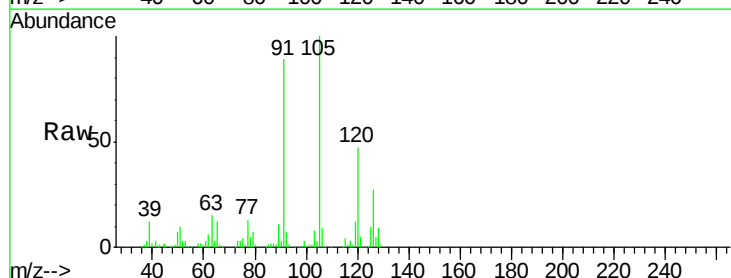
Manual Integrations
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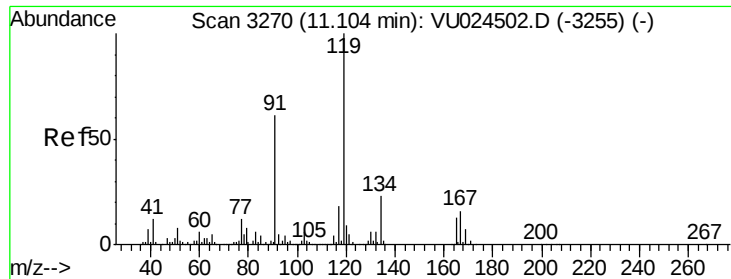
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#82
4-Chlorotoluene
Concen: 19.063 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





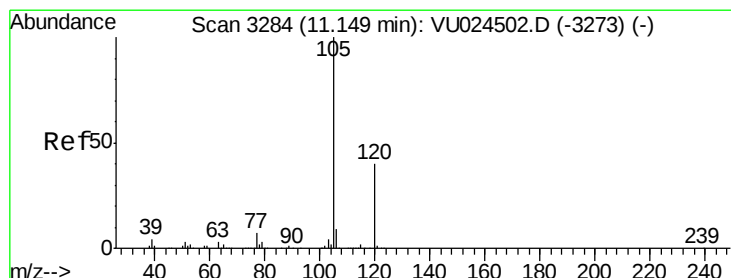
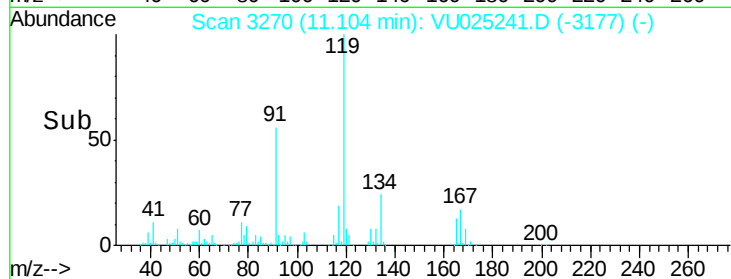
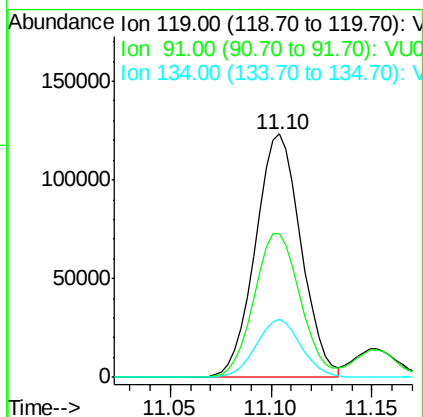
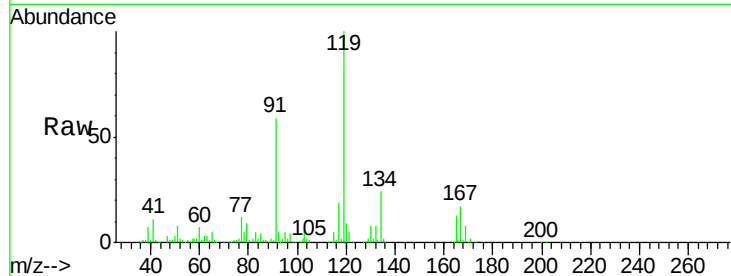
#83
tert-Butylbenzene
Concen: 20.363 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	194518		
91	60.2	29.7	89.1	
134	23.4	11.6	34.7	

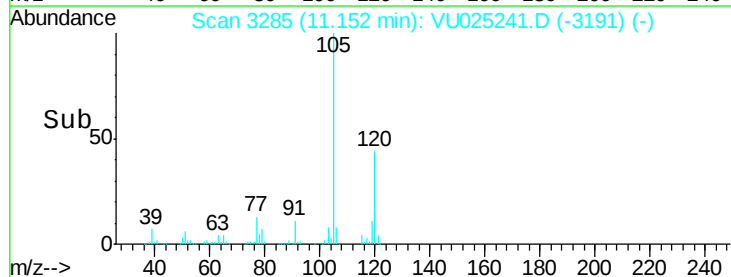
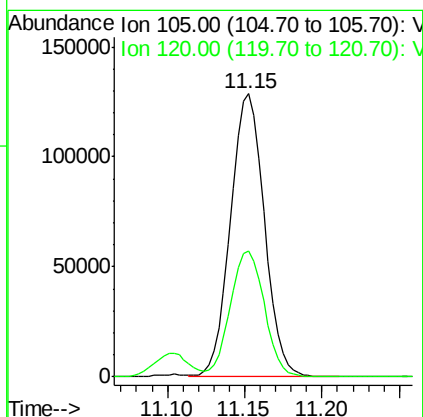
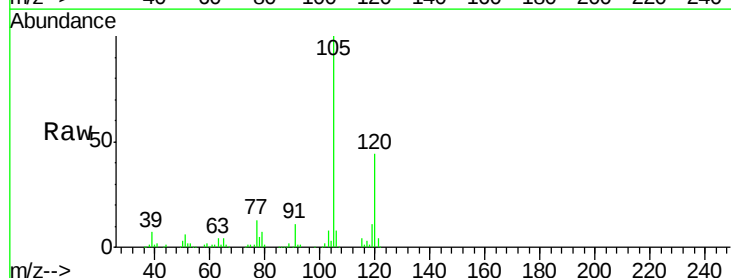
Manual Integrations
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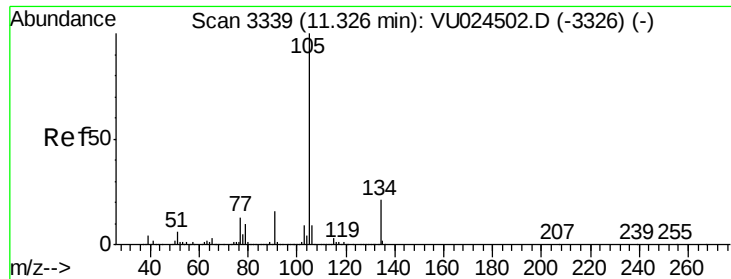
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.227 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194585		
120	45.1	22.6	67.8	





#85

sec-Butylbenzene

Concen: 19.345 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

ClientSampleId :

VU0707WBS01

Tot Ion:105 Resp: 231310

Ion Ratio Lower Upper

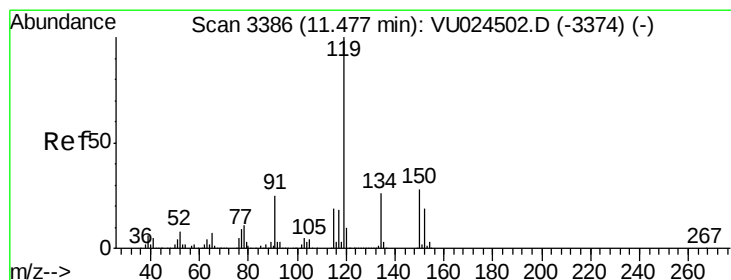
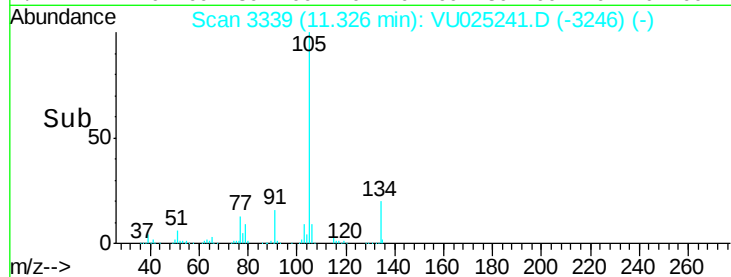
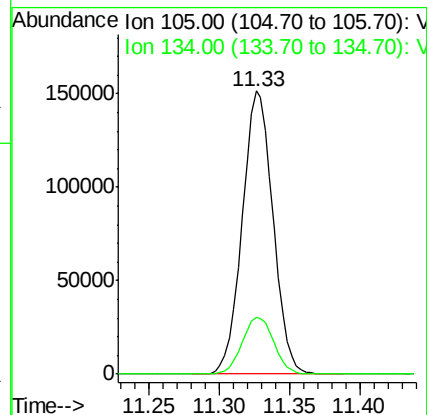
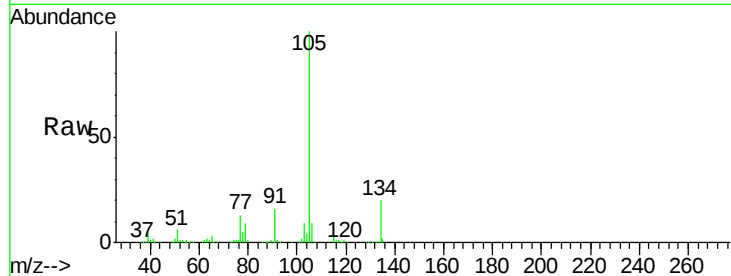
105 100

134 20.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.134 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

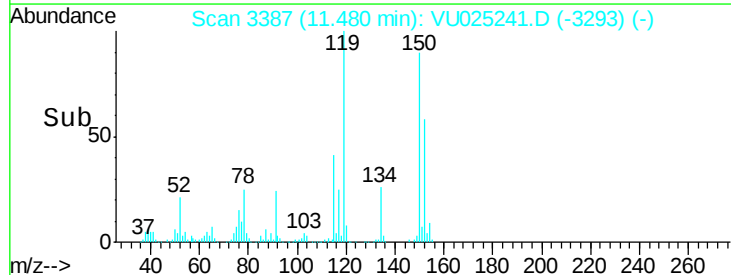
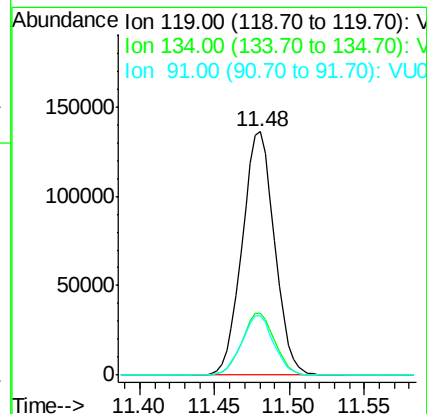
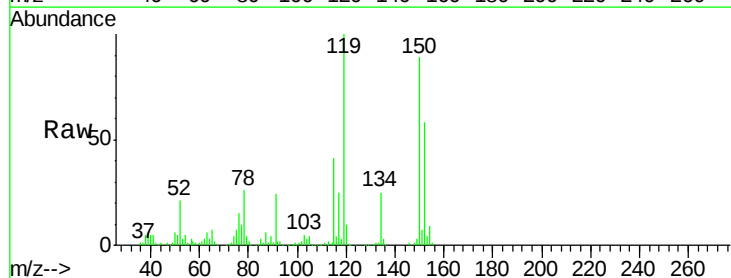
Tgt Ion:119 Resp: 204910

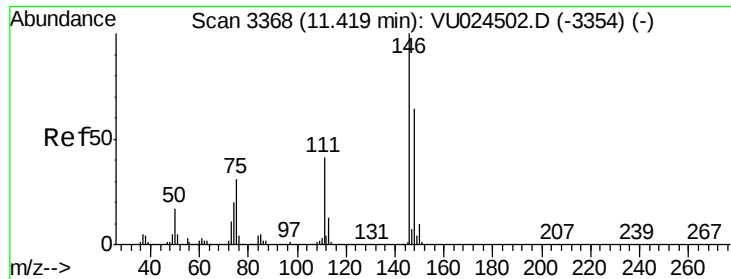
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.4 12.0 36.1





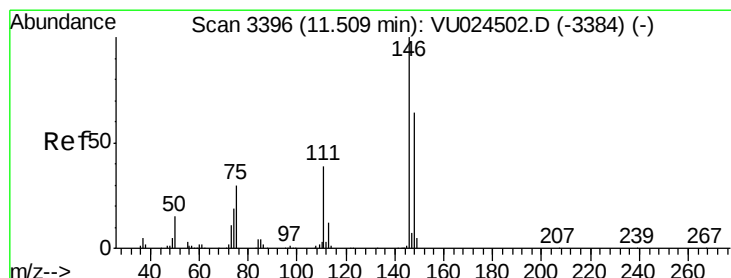
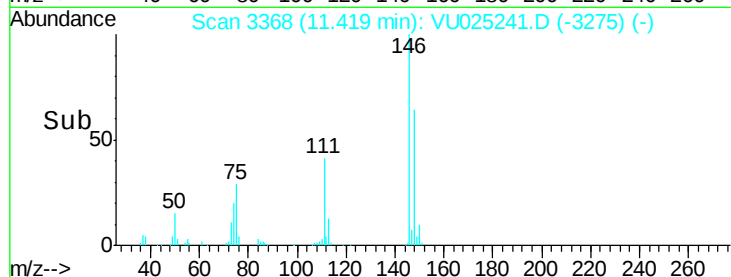
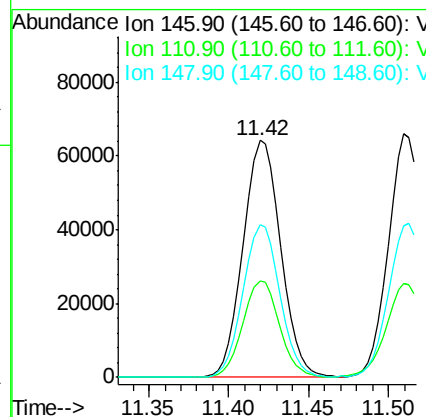
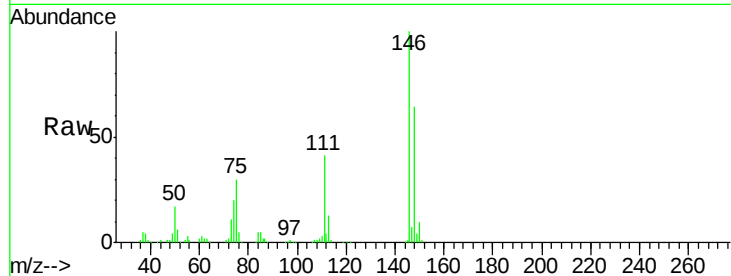
#87
 1,3-Dichlorobenzene
 Concen: 19.230 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.2	32.1	96.5

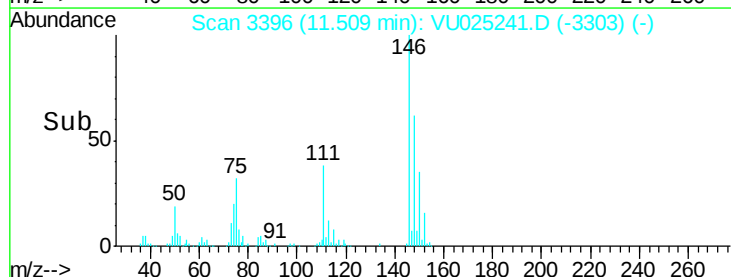
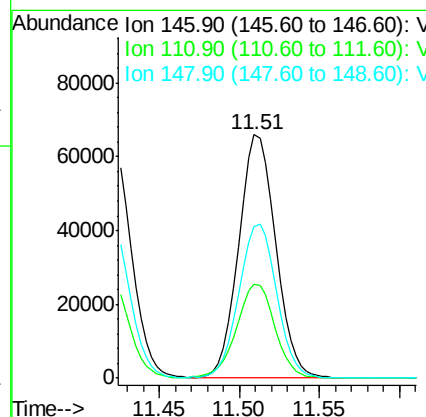
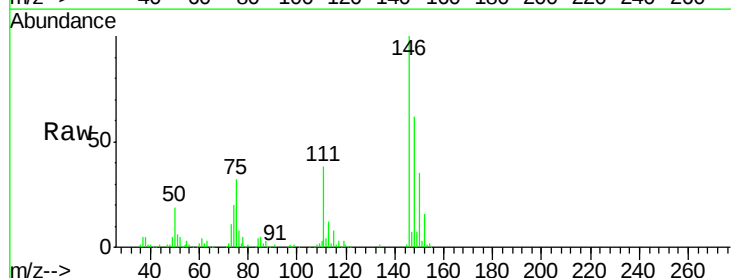
Manual Integrations
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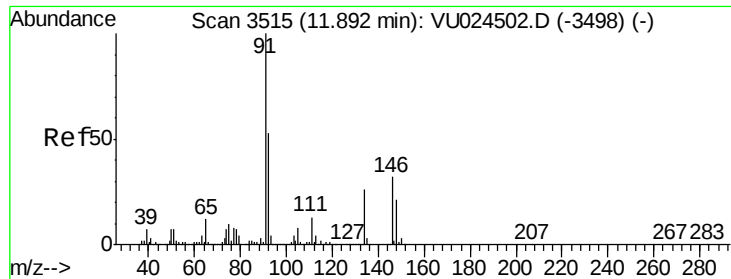
MMDadoda
 7/9/2018 12:57:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.178 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.5	58.5
148	65.2	32.4	97.0





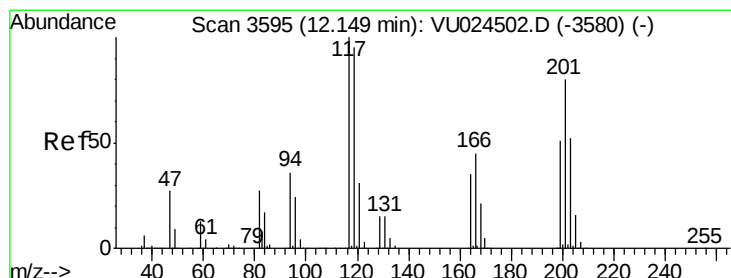
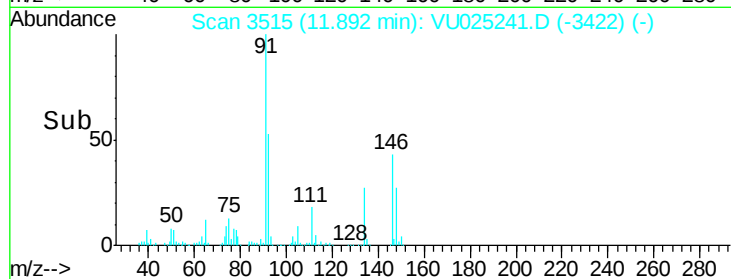
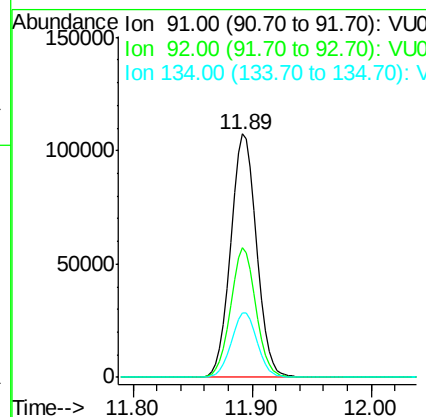
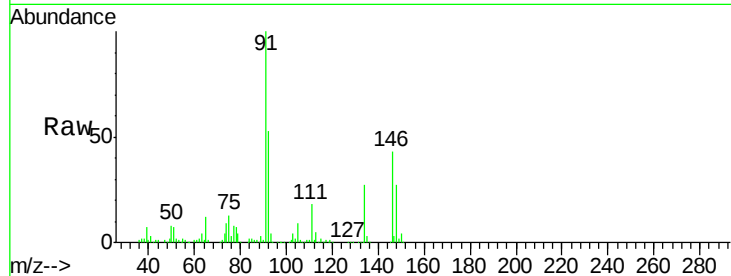
#89
n-Butylbenzene
Concen: 17.017 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Instrument :
MSVOA_U
ClientSampleId :
VU0707WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.6	76.8
134	26.5	12.3	36.8

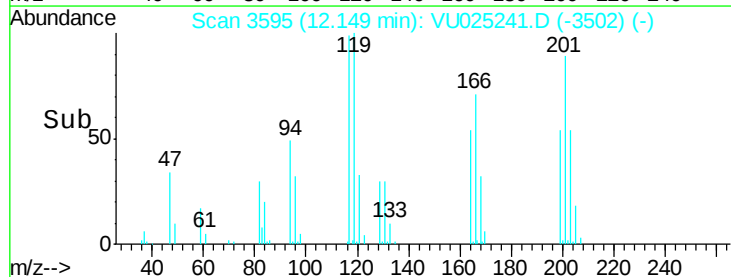
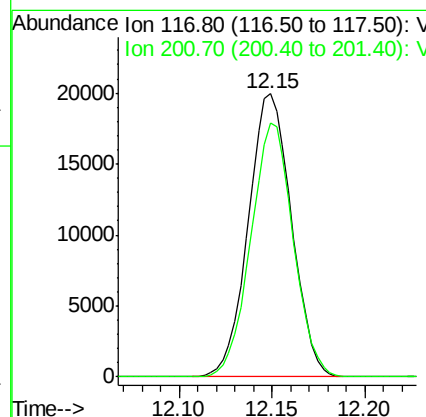
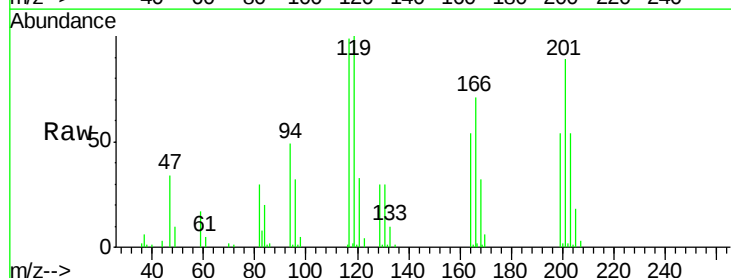
Manual Integrations
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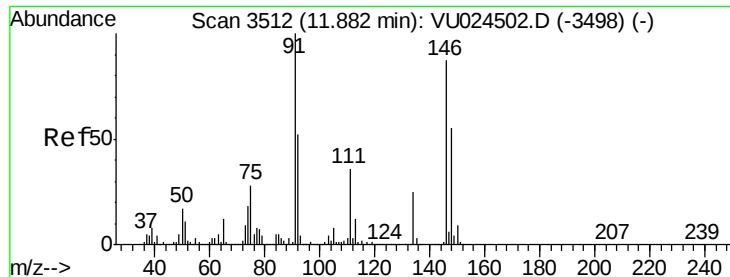
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#90
Hexachloroethane
Concen: 15.476 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025241.D
Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	41.1	123.3





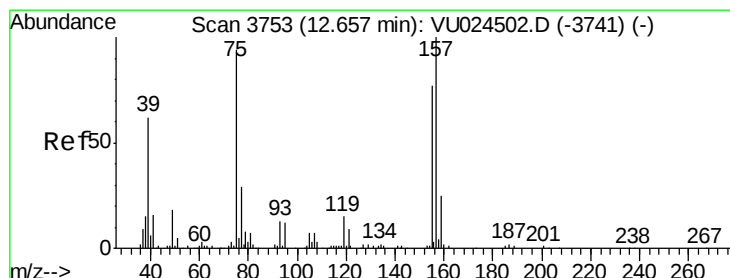
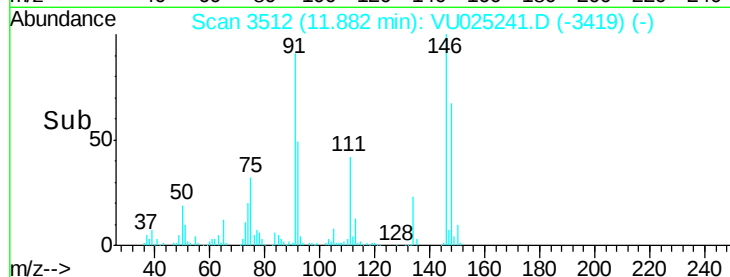
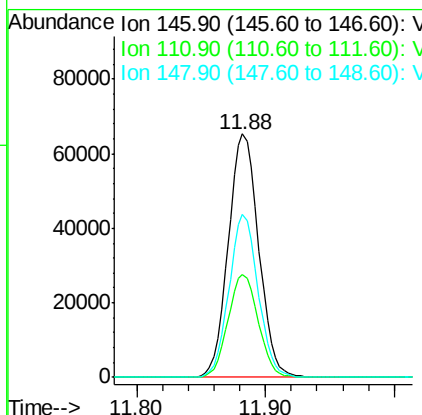
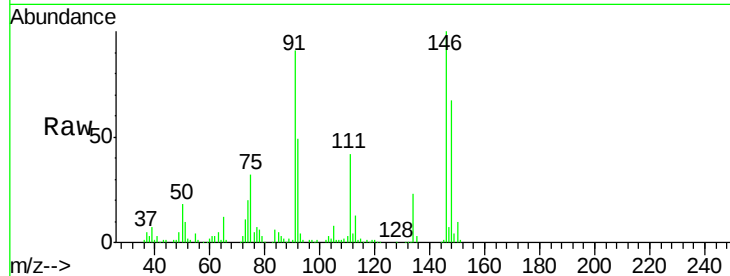
#91
 1,2-Dichlorobenzene
 Concen: 19.857 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	64.3	31.9	95.7

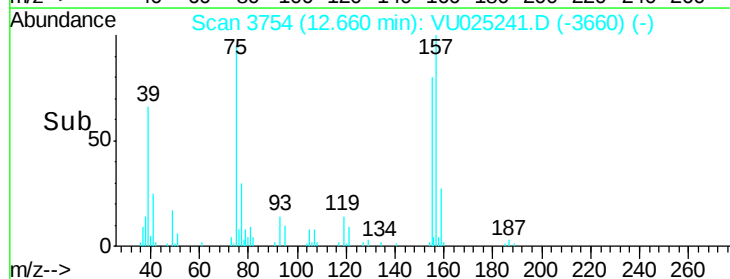
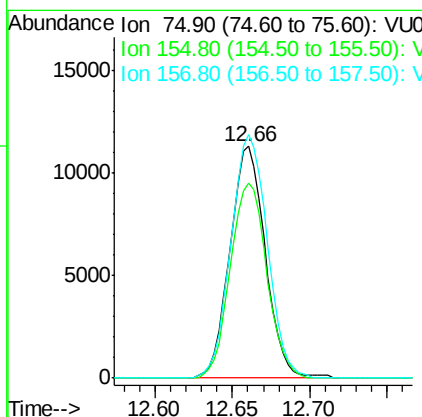
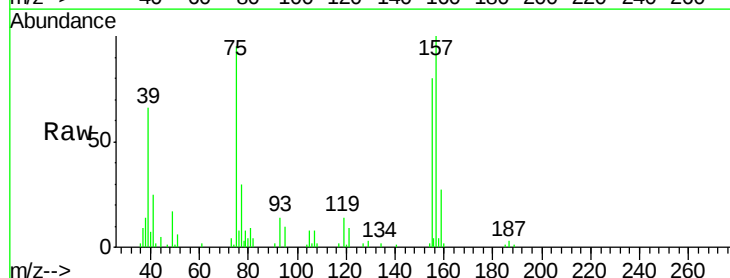
Manual Integrations
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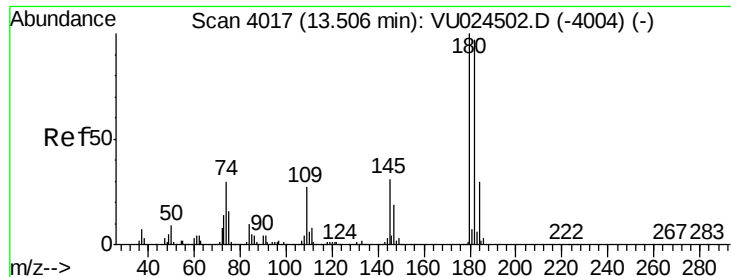
MMDadoda
 7/9/2018 12:57:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.851 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	40.4	121.2
157	108.3	52.3	156.8





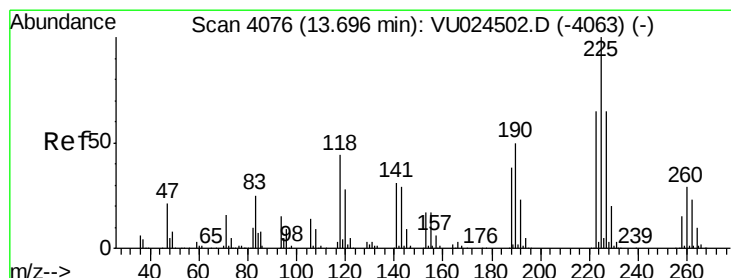
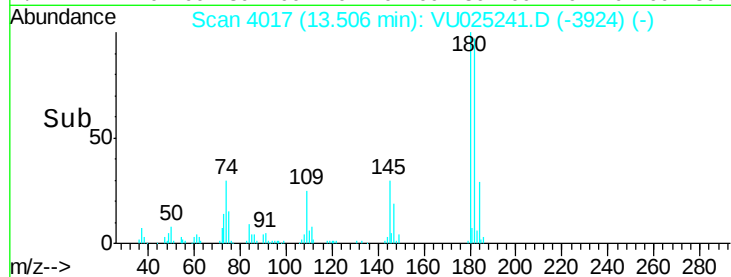
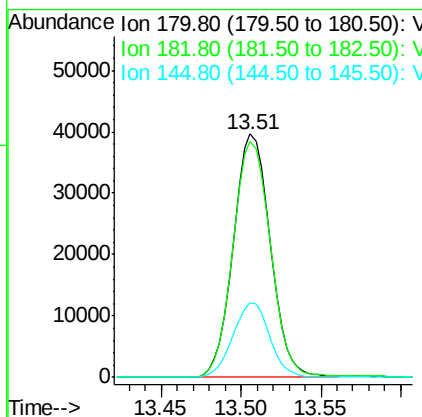
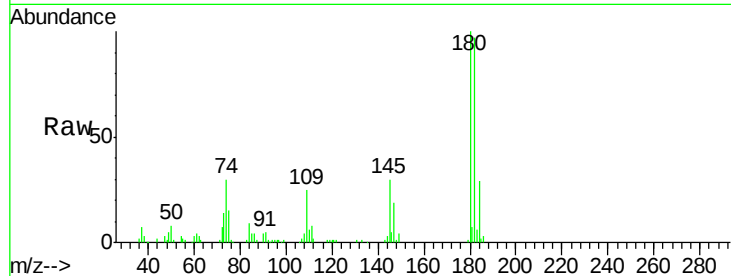
#93
 1,2,4-Trichlorobenzene
 Concen: 18.828 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.0	144.2
145	30.5	14.7	44.1

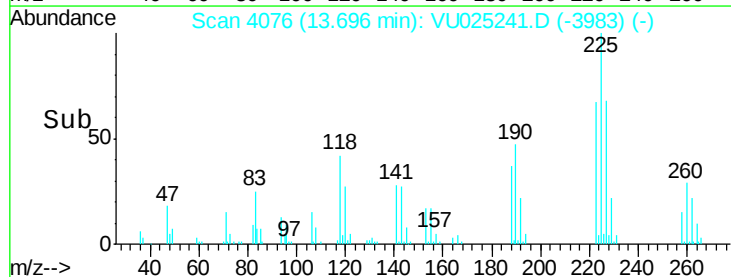
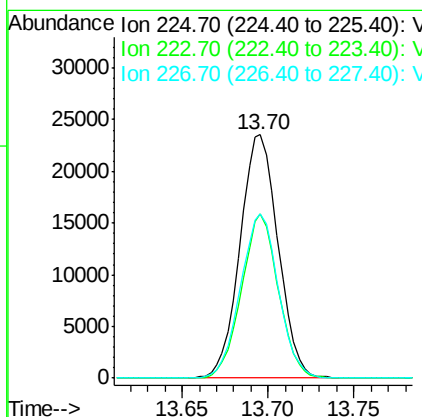
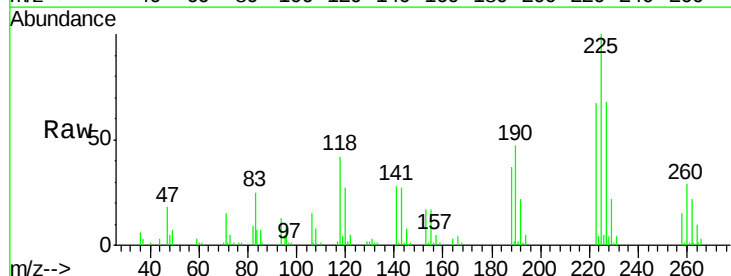
Manual Integrations
 APPROVED

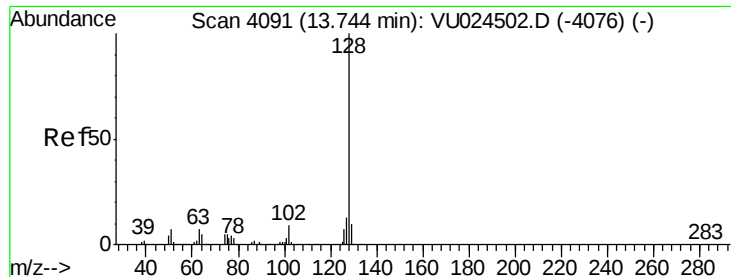
MMDadoda
 7/9/2018 12:57:58 PM



#94
 Hexachlorobutadiene
 Concen: 19.428 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025241.D
 Acq: 06 Jul 2018 15:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.3	93.8
227	67.3	31.8	95.4





#95

Naphthalene

Concen: 18.459 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Instrument :

MSVOA_U

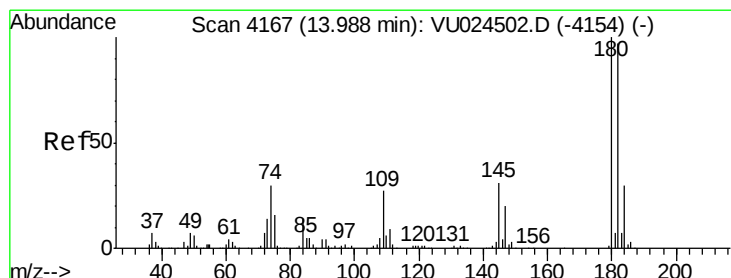
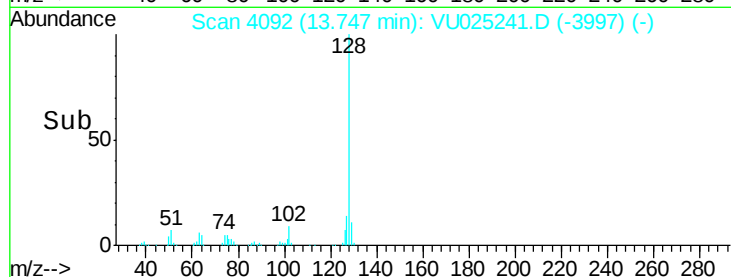
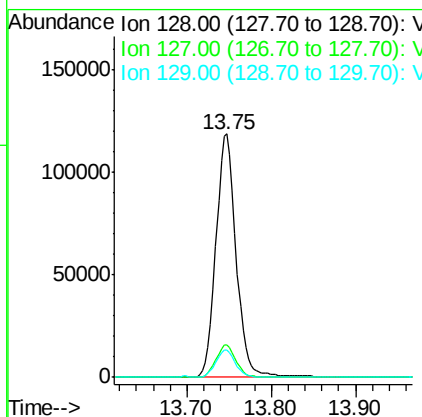
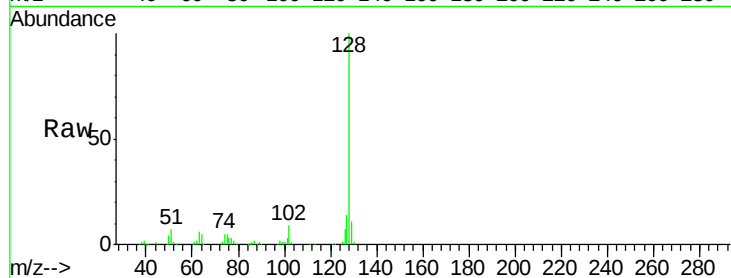
ClientSampleId :

VU0707WBS01

Tot Ion:	128	Resp:	197785
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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7/9/2018 12:57:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.740 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025241.D

Acq: 06 Jul 2018 15:33

Tgt Ion:	180	Resp:	65198
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.7
145	32.0	15.4	46.1

