

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027214.D
 Acq On : 27 Sep 2018 06:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:27 PM

Quant Time: Sep 27 08:22:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	76640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84070	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	4.88	113	60740	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	7.57	98	228969	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
62) 4-Bromofluorobenzene	10.31	95	84497	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	42968	39.228	ug/l	97
3) Chloromethane	1.33	50	67956	35.984	ug/l	99
4) Vinyl Chloride	1.40	62	71875	40.773	ug/l	99
5) Bromomethane	1.61	94	21910	21.826	ug/l	98
6) Chloroethane	1.69	64	48746	43.278	ug/l	99
7) Trichlorofluoromethane	1.88	101	84039	41.974	ug/l	100
8) Diethyl Ether	2.10	74	43568	45.209	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	49008	39.810	ug/l	97
10) Methyl Iodide	2.41	142	14362	9.407	ug/l	97
11) Tert butyl alcohol	2.83	59	118048	305.020	ug/l	99
12) 1,1-Dichloroethene	2.28	96	46809	40.398	ug/l	96
13) Acrolein	2.19	56	36754	176.170	ug/l	99
14) Allyl chloride	2.59	41	113406	48.255	ug/l	97
15) Acrylonitrile	2.94	53	263013	269.637	ug/l	99
16) Acetone	2.32	43	238593	267.152	ug/l	100
17) Carbon Disulfide	2.48	76	149490	39.604	ug/l	100
18) Methyl Acetate	2.61	43	137733	57.310	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	225752	53.019	ug/l	99
20) Methylene Chloride	2.70	84	67613	44.712	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	56654	45.795	ug/l	99
22) Diisopropyl ether	3.57	45	270725	53.857	ug/l	98
23) Vinyl Acetate	3.52	43	1146340	267.532	ug/l	99
24) 1,1-Dichloroethane	3.45	63	136079	49.152	ug/l	100
25) 2-Butanone	4.26	43	385943	271.983	ug/l	100
26) 2,2-Dichloropropane	4.23	77	57107	26.449	ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	71126	50.910	ug/l	96
28) Bromochloromethane	4.55	49	72036	53.978	ug/l	98
29) Tetrahydrofuran	4.64	42	246436	287.088	ug/l	98
30) Chloroform	4.68	83	123690	48.131	ug/l	97
31) Cyclohexane	5.00	56	114461	45.429	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	100685	49.071	ug/l	98
36) 1,1-Dichloropropene	5.14	75	88594	45.325	ug/l	98
37) Ethyl Acetate	4.38	43	135357	51.154	ug/l	100
38) Carbon Tetrachloride	5.13	117	84989	45.691	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	95873	45.135	ug/l	98
40) Benzene	5.39	78	272608	45.878	ug/l	98
41) Methacrylonitrile	4.54	41	76983	56.019	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105173	46.848	ug/l	100
43) Isopropyl Acetate	5.55	43	208619	54.061	ug/l	99
44) Trichloroethene	6.19	130	60095	47.506	ug/l	100
45) 1,2-Dichloropropane	6.43	63	81149	47.929	ug/l	96
46) Dibromomethane	6.56	93	47976	46.918	ug/l	99
47) Bromodichloromethane	6.76	83	99250	48.002	ug/l	98
48) Methyl methacrylate	6.62	41	103926	49.491	ug/l	99
49) 1,4-Dioxane	6.61	88	39578	948.747	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	725374	279.487	ug/l	100
52) Toluene	7.64	92	164703	48.357	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105932	47.685	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	113676	46.539	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	70501	48.850	ug/l	99
56) Ethyl methacrylate	8.02	69	121146	48.450	ug/l	98
57) 1,3-Dichloropropane	8.24	76	130870	48.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	348797	245.526	ug/l	100
59) 2-Hexanone	8.36	43	561560	276.411	ug/l	99
60) Dibromochloromethane	8.48	129	71652	50.615	ug/l	98
61) 1,2-Dibromoethane	8.59	107	73296	48.812	ug/l	98
64) Tetrachloroethene	8.23	164	52133	47.901	ug/l	98
65) Chlorobenzene	9.12	112	173989	46.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63847	49.498	ug/l	99
67) Ethyl Benzene	9.25	91	312460	50.739	ug/l	99
68) m/p-Xylenes	9.38	106	229755	92.243	ug/l	99
69) o-Xylene	9.78	106	114242	52.359	ug/l	100
70) Styrene	9.79	104	191003	46.996	ug/l	99
71) Bromoform	9.96	173	53090	53.224	ug/l #	99
73) Isopropylbenzene	10.17	105	304590	52.246	ug/l	100
74) N-amyl acetate	10.01	43	194236	57.558	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	124863	46.583	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	105900m	45.484	ug/l	
77) Bromobenzene	10.45	156	70472	49.466	ug/l	97
78) n-propylbenzene	10.59	91	362938	52.614	ug/l	100
79) 2-Chlorotoluene	10.66	91	217384	50.170	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	252204	52.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28627m	39.347	ug/l	
82) 4-Chlorotoluene	10.77	91	250765	51.614	ug/l	99
83) tert-Butylbenzene	11.10	119	243365	51.150	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	257440	52.565	ug/l	99
85) sec-Butylbenzene	11.32	105	305174	52.544	ug/l	100
86) p-Isopropyltoluene	11.48	119	259460	47.654	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	128783	48.577	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132198	45.753	ug/l	100
89) n-Butylbenzene	11.89	91	236284	44.978	ug/l	100
90) Hexachloroethane	12.15	117	48184	45.622	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	130667	46.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29241	53.475	ug/l	99

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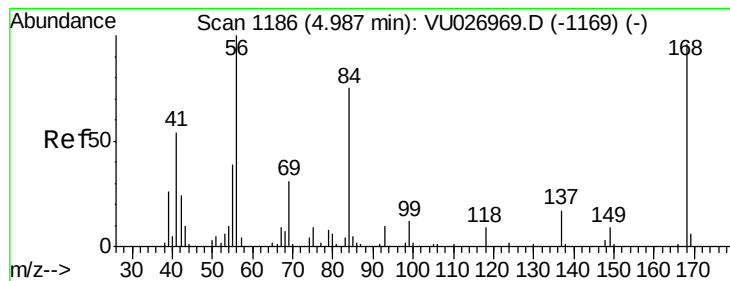
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85434	52.645	ug/l	99
94) Hexachlorobutadiene	13.69	225	40591	47.272	ug/l	99
95) Naphthalene	13.74	128	310463	48.966	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	89885	51.649	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 83894

Ion Ratio Lower Upper

168 100

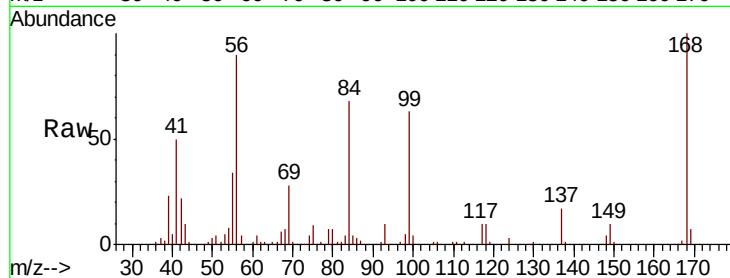
99 61.7 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

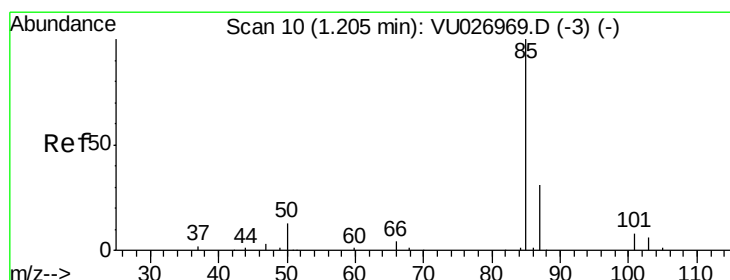
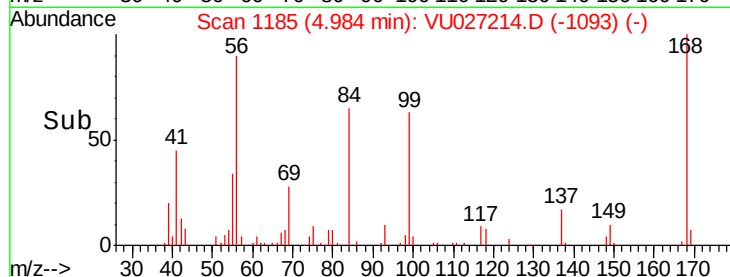
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 39.228 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027214.D

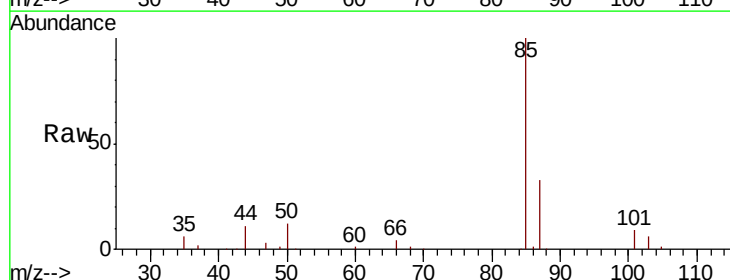
Acq: 27 Sep 2018 06:13

Tgt Ion: 85 Resp: 42968

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

40000

30000

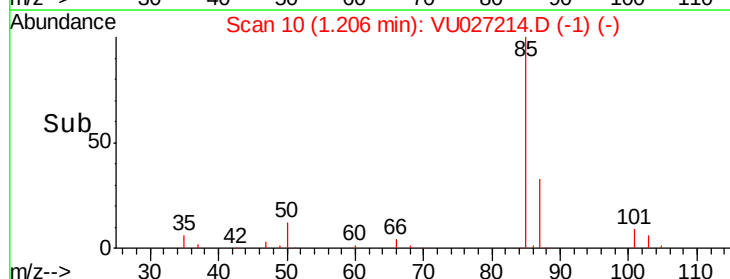
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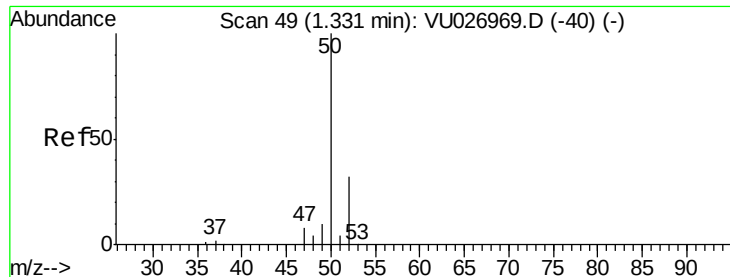
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 35.984 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 67956

Ion Ratio Lower Upper

50 100

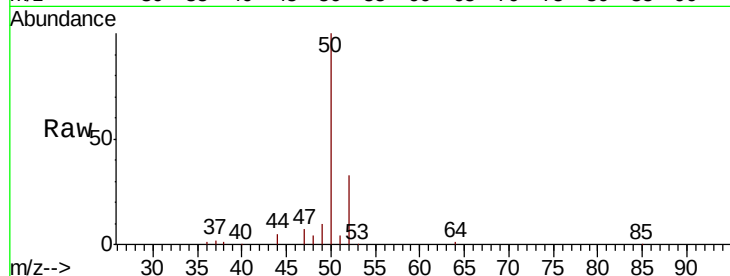
52 32.9 25.9 38.9

Manual Integrations

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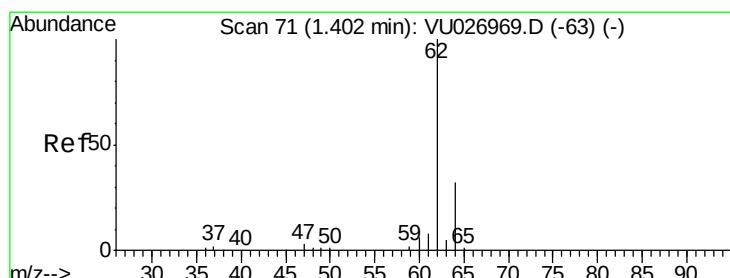
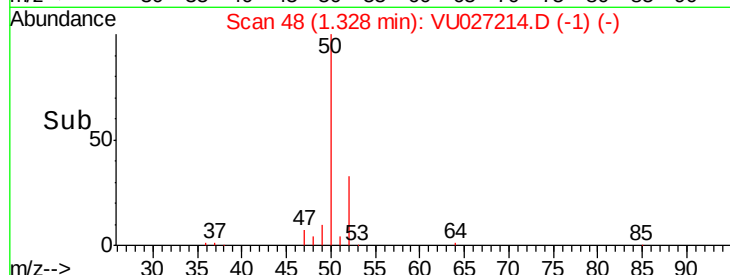
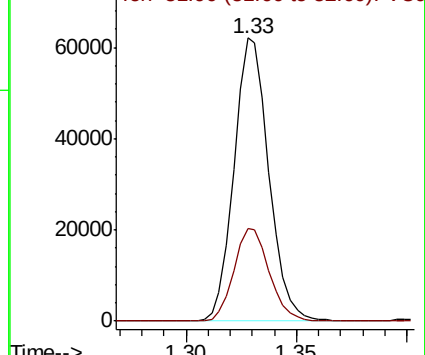
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 40.773 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027214.D

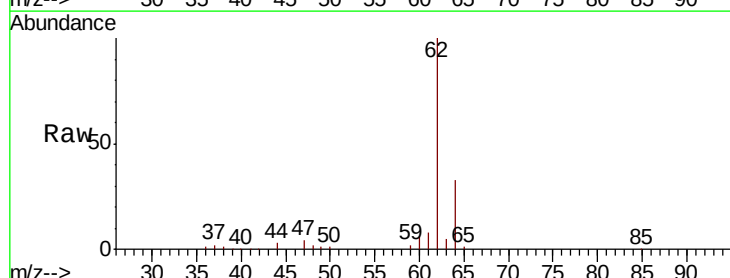
Acq: 27 Sep 2018 06:13

Tgt Ion: 62 Resp: 71875

Ion Ratio Lower Upper

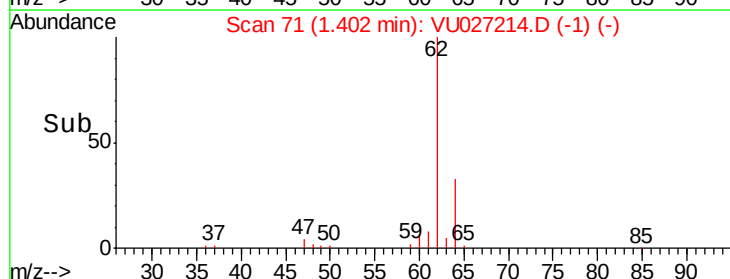
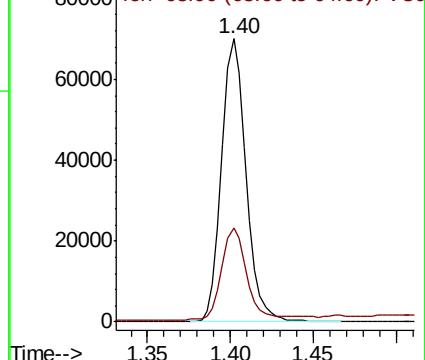
62 100

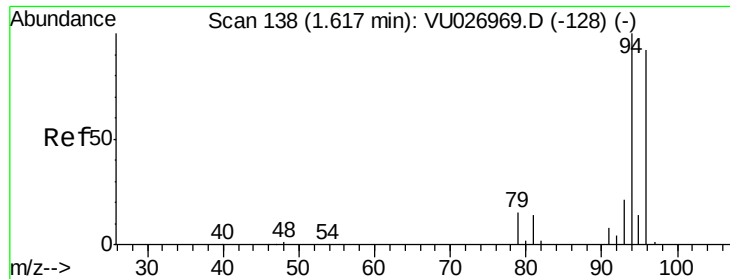
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





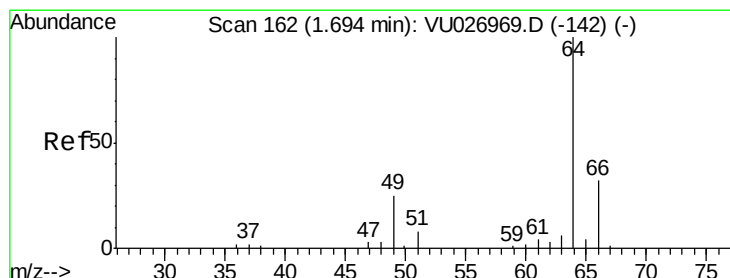
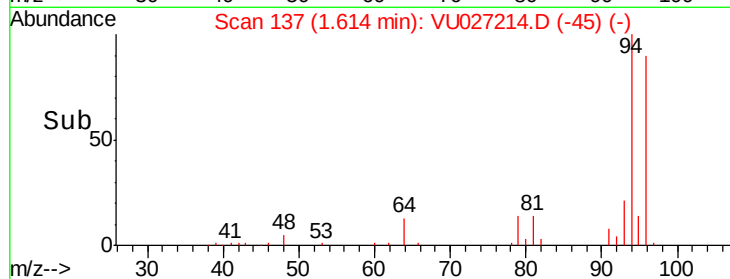
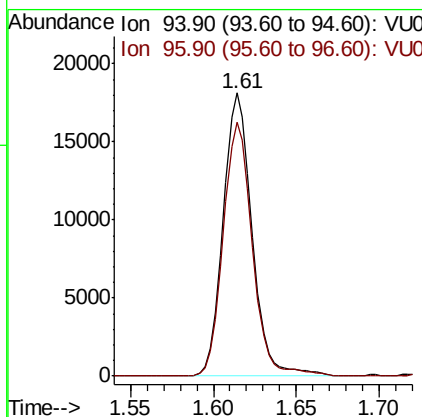
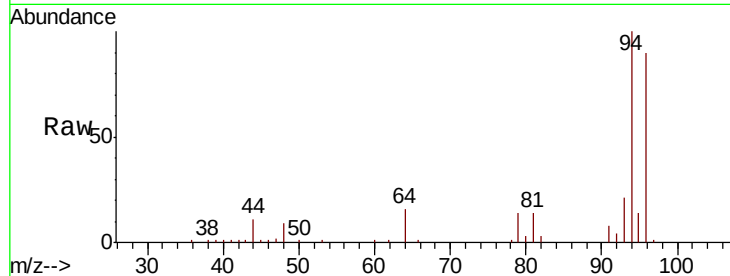
#5
Bromomethane
Concen: 21.826 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 21910
Ion Ratio Lower Upper
94 100
96 89.6 73.2 109.8

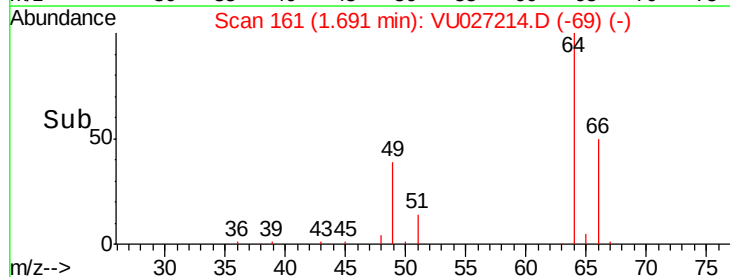
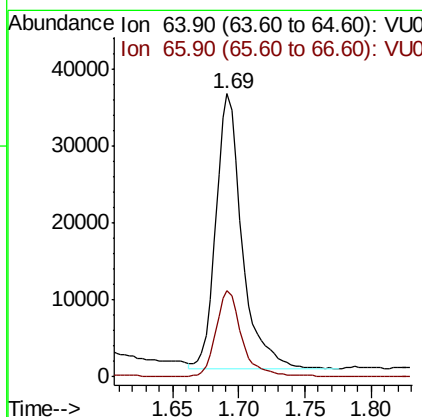
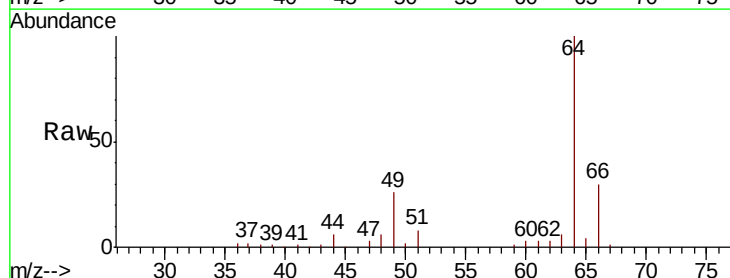
Manual Integrations
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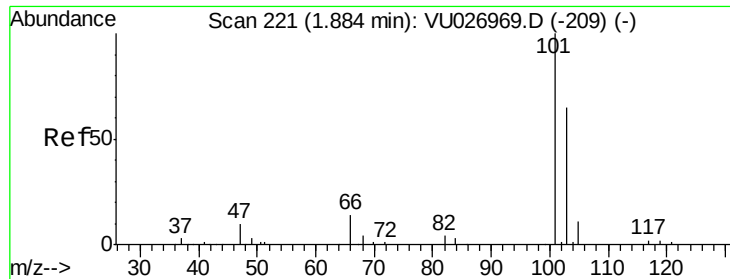
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#6
Chloroethane
Concen: 43.278 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion: 64 Resp: 48746
Ion Ratio Lower Upper
64 100
66 31.0 25.3 37.9





#7

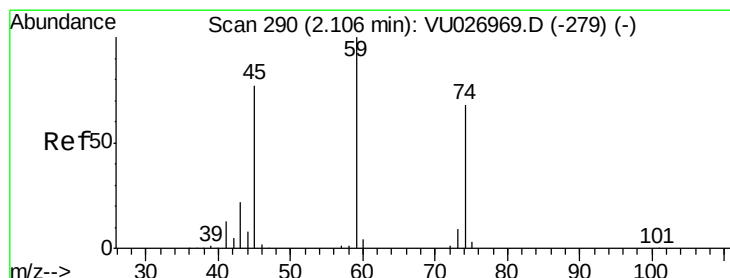
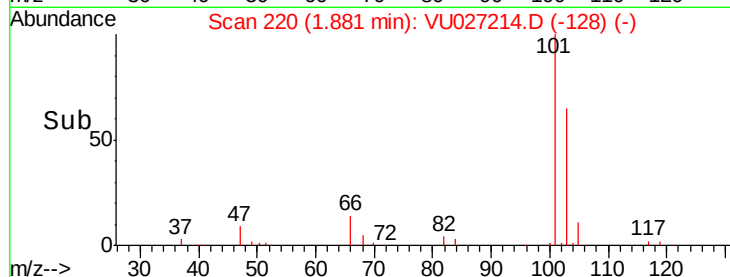
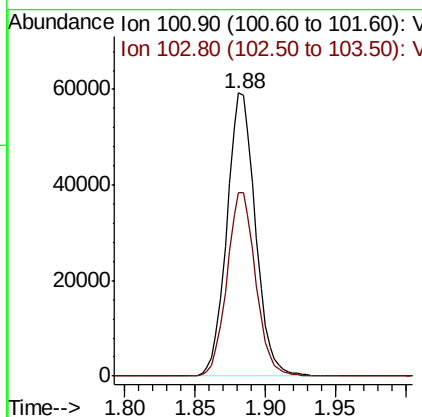
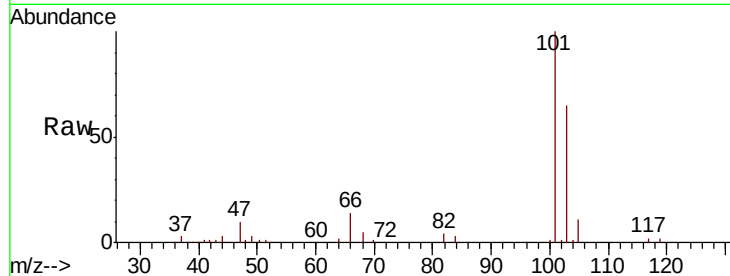
Trichlorofluoromethane
 Concen: 41.974 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion:101 Resp: 84039
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.2 78.2

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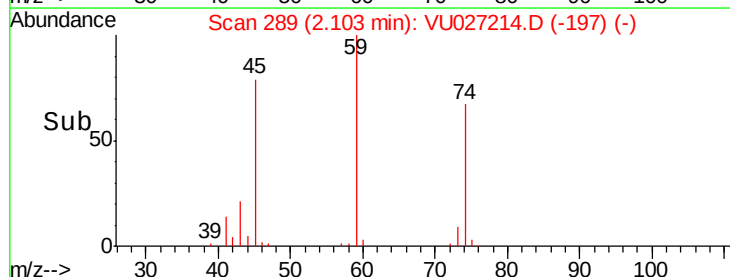
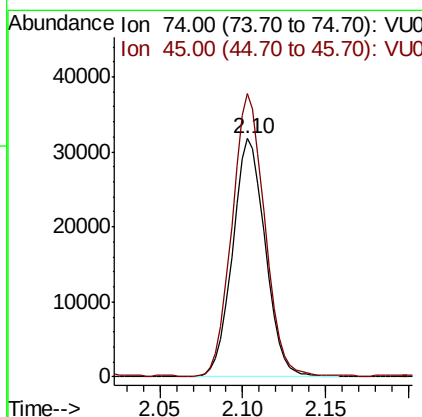
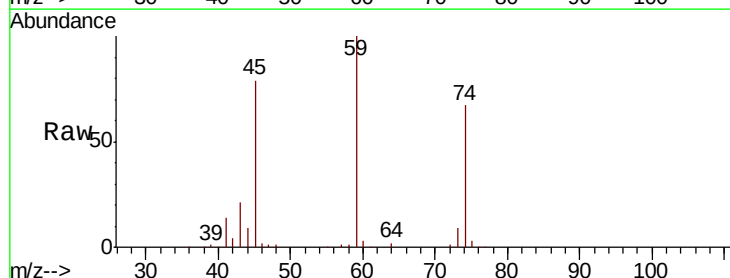
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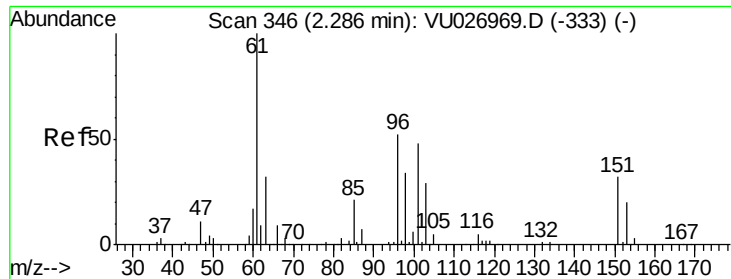


#8

Diethyl Ether
 Concen: 45.209 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion: 74 Resp: 43568
 Ion Ratio Lower Upper
 74 100
 45 118.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.810 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 49008

Ion Ratio Lower Upper

101 100

85 47.2 36.2 54.2

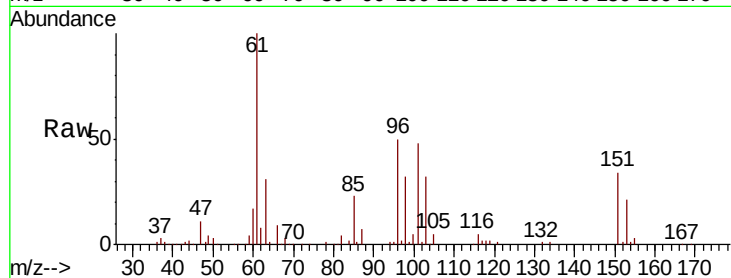
151 70.3 54.5 81.7

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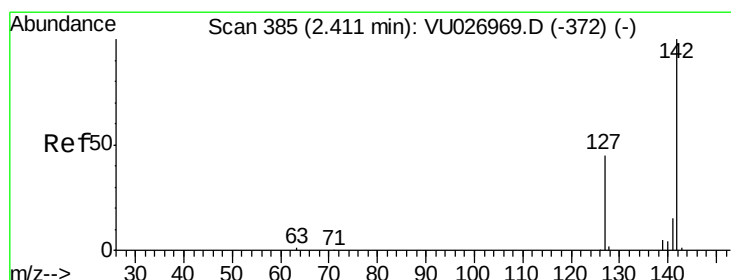
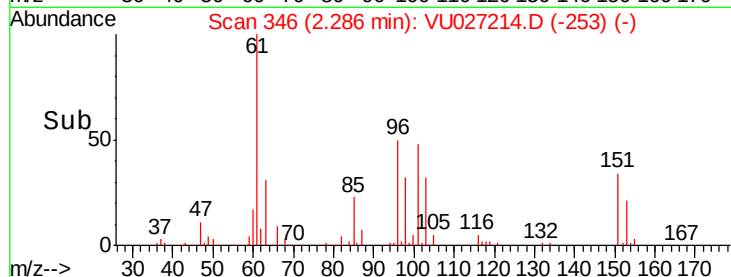
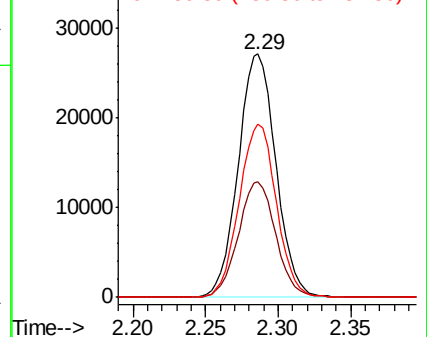
9/27/2018 3:33:27 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.407 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

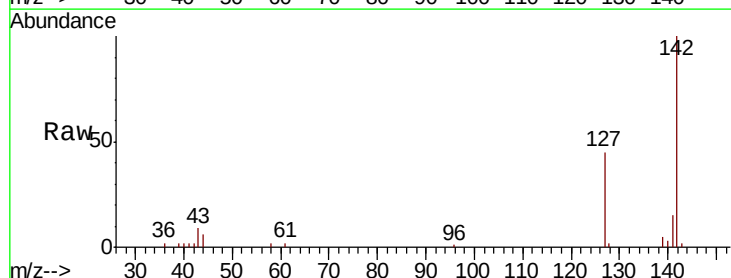
Tgt Ion:142 Resp: 14362

Ion Ratio Lower Upper

142 100

127 43.5 36.7 55.1

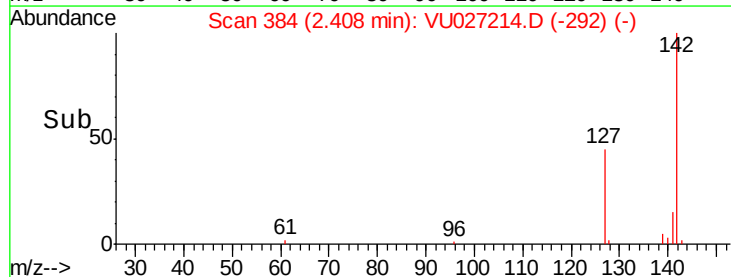
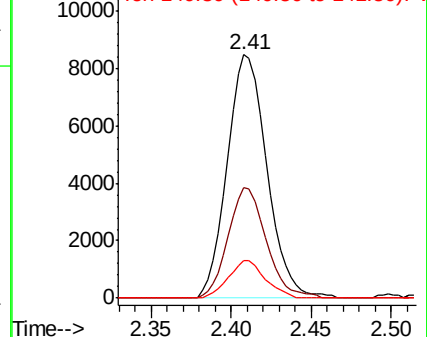
141 14.3 11.8 17.6

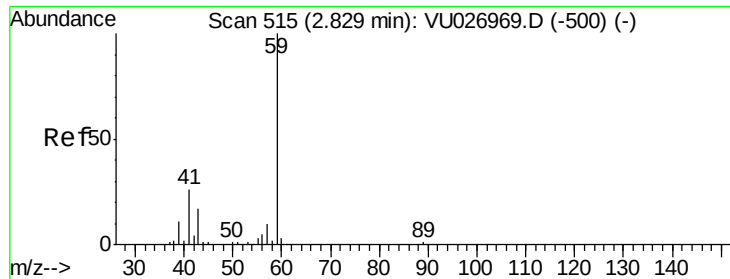


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





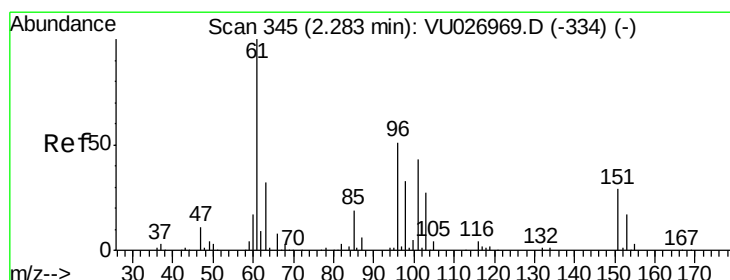
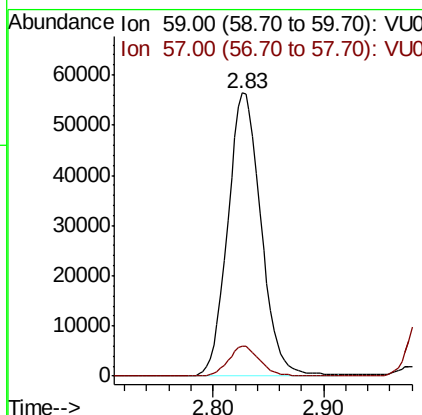
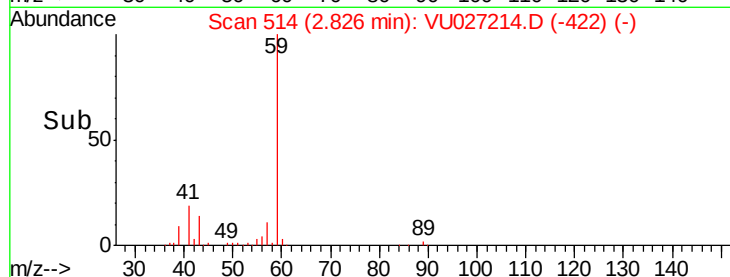
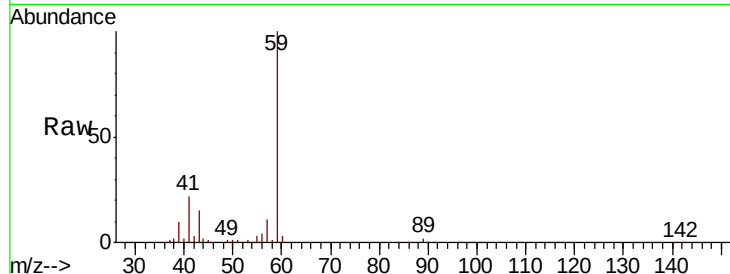
#11
Tert butyl alcohol
Concen: 305.020 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 118048
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7

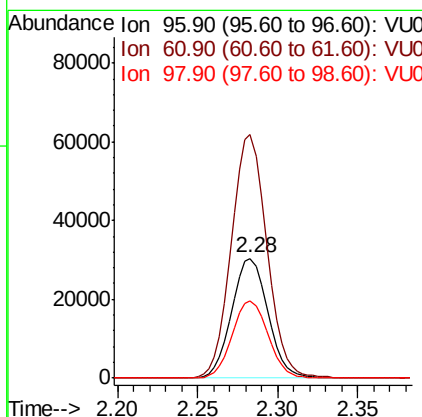
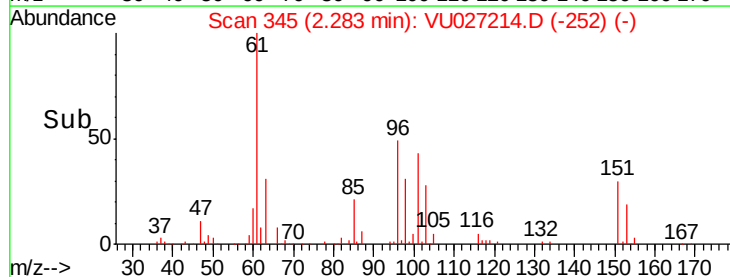
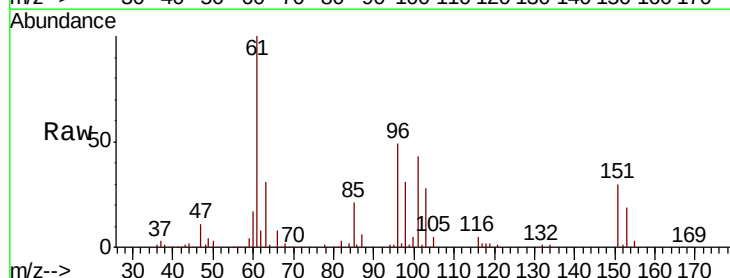
Manual Integrations
APPROVED

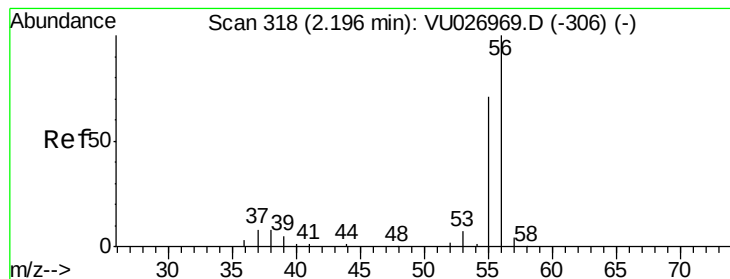
MMDadoda
9/27/2018 3:33:27 PM



#12
1,1-Dichloroethene
Concen: 40.398 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion: 96 Resp: 46809
Ion Ratio Lower Upper
96 100
61 203.4 156.1 234.1
98 64.0 51.4 77.0





#13

Acrolein

Concen: 176.170 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 36754

Ion Ratio Lower Upper

56 100

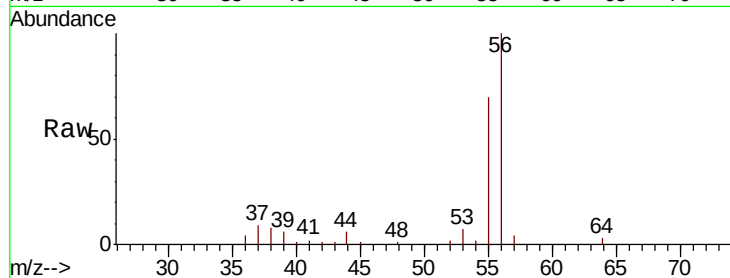
55 70.6 57.1 85.7

Manual Integrations

APPROVED

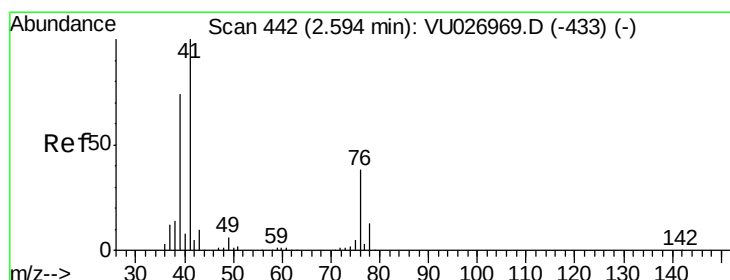
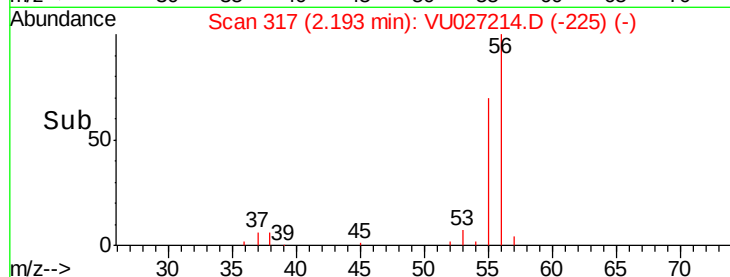
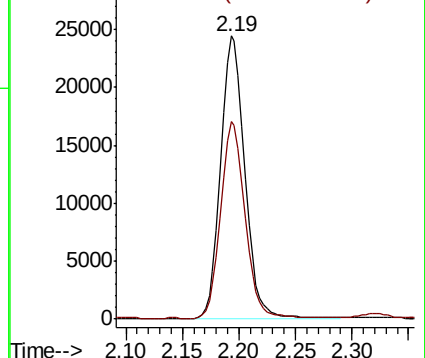
MMDadoda

9/27/2018 3:33:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 48.255 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

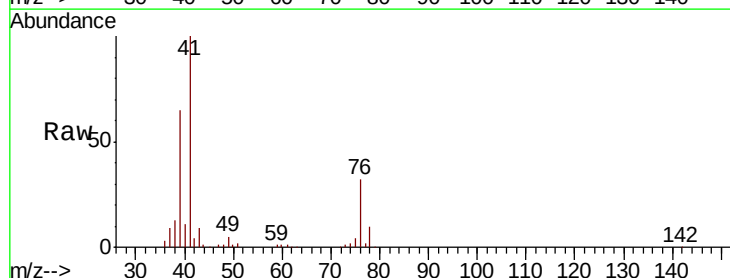
Tgt Ion: 41 Resp: 113406

Ion Ratio Lower Upper

41 100

39 66.9 55.7 83.5

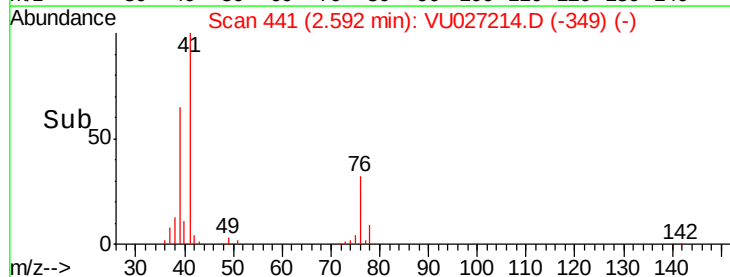
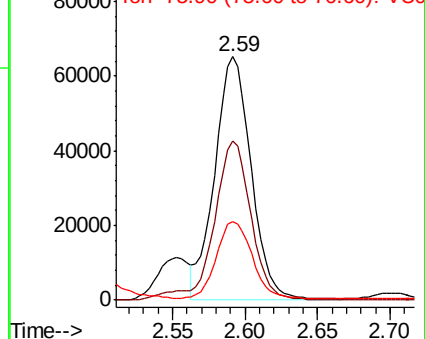
76 31.6 26.5 39.7

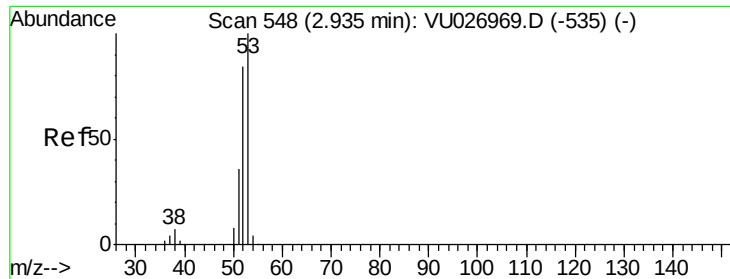


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 269.637 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

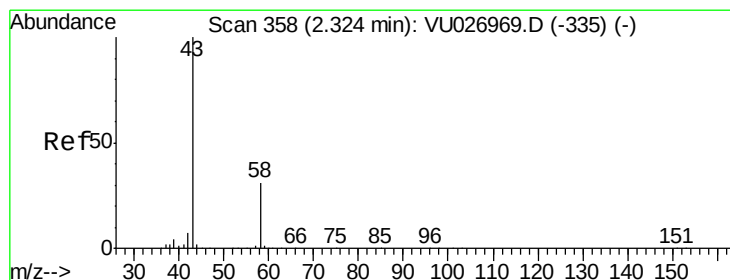
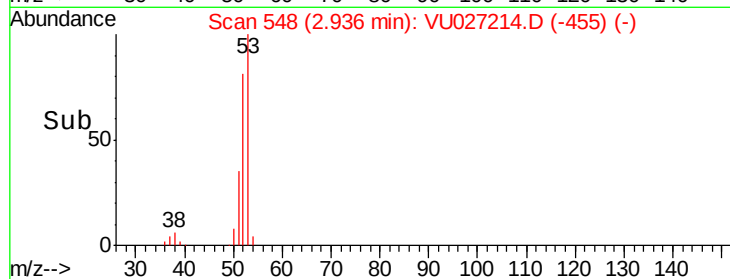
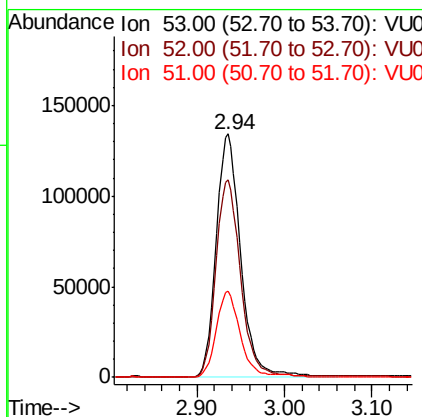
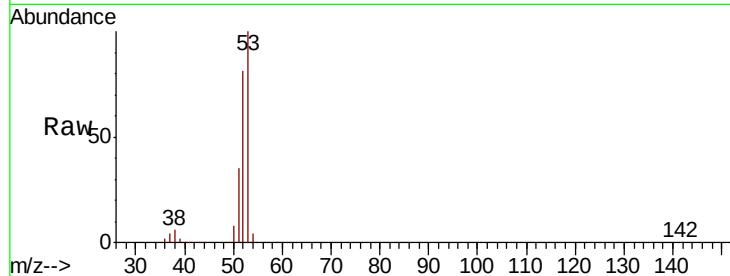
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	263013
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	35.5	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 267.152 ug/l

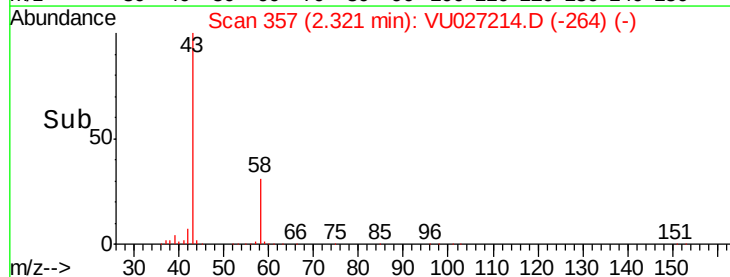
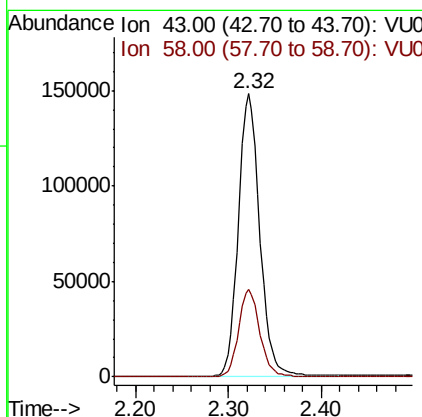
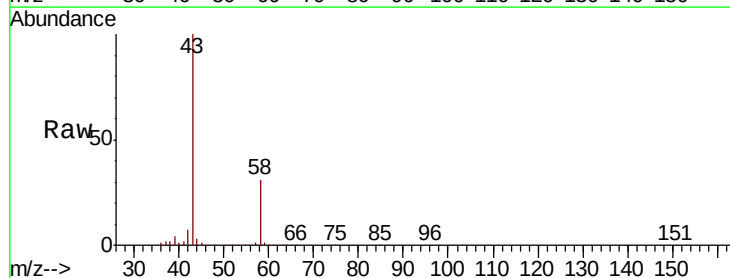
RT: 2.32 min Scan# 357

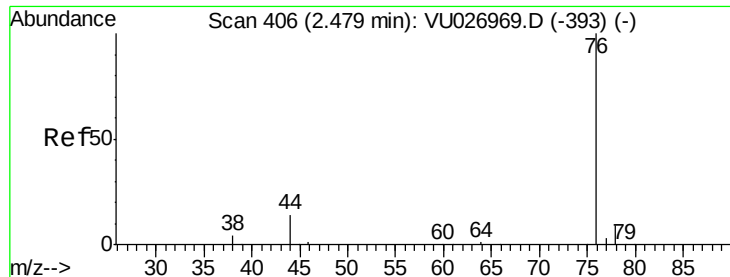
Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Tgt Ion:	43	Resp:	238593
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





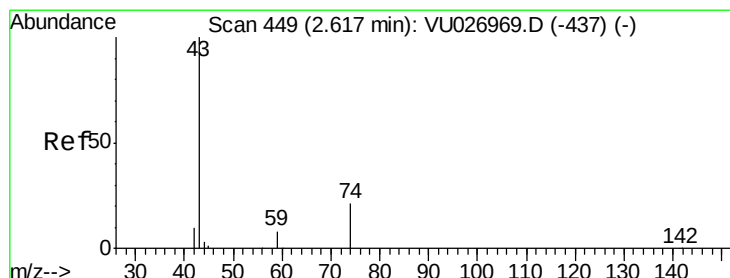
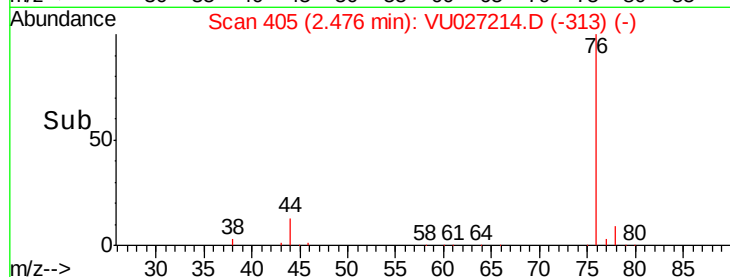
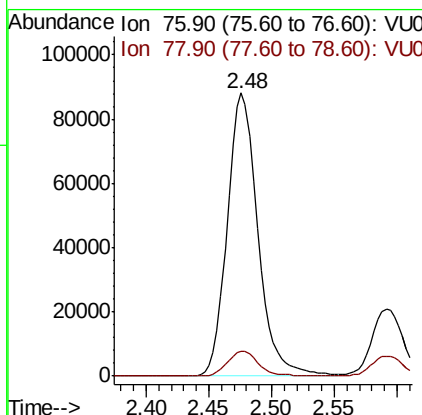
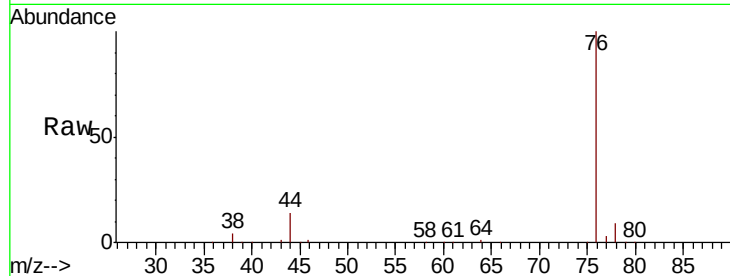
#17
Carbon Disulfide
Concen: 39.604 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

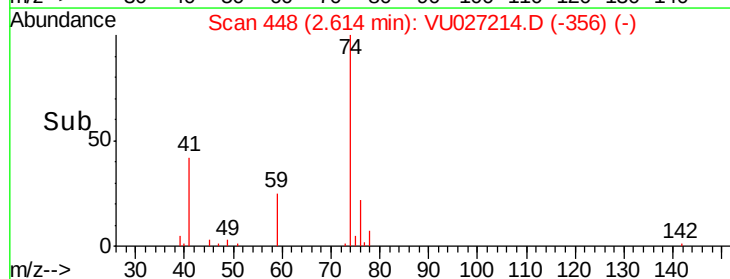
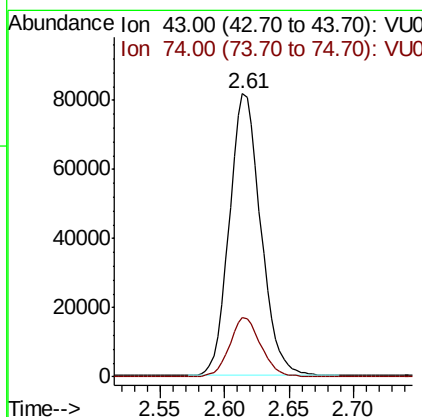
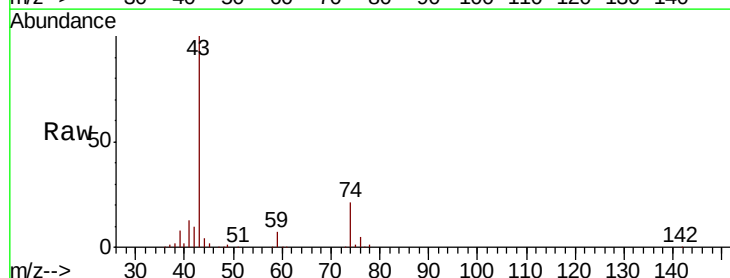
Manual Integrations
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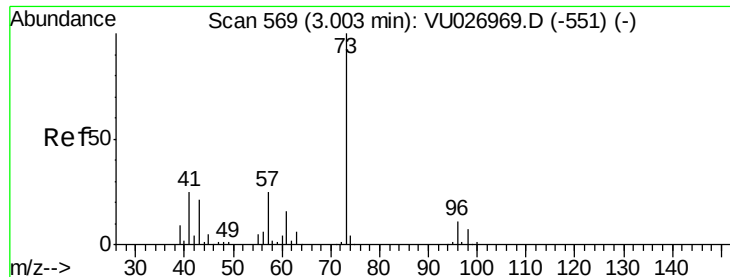
MMDadoda
9/27/2018 3:33:27 PM



#18
Methyl Acetate
Concen: 57.310 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.6	25.0





#19

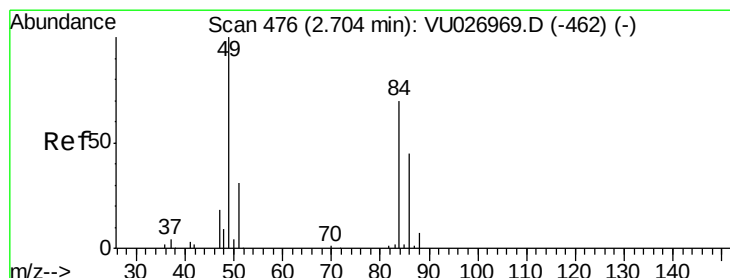
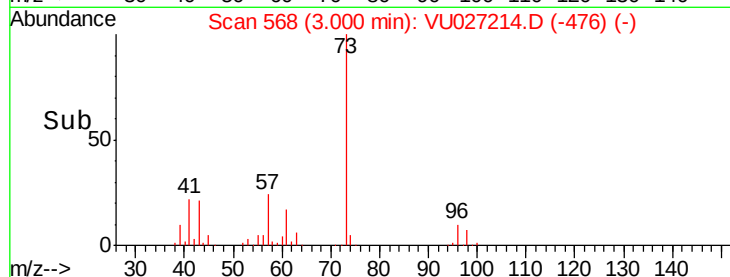
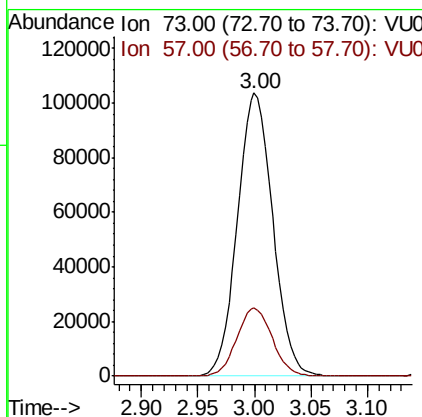
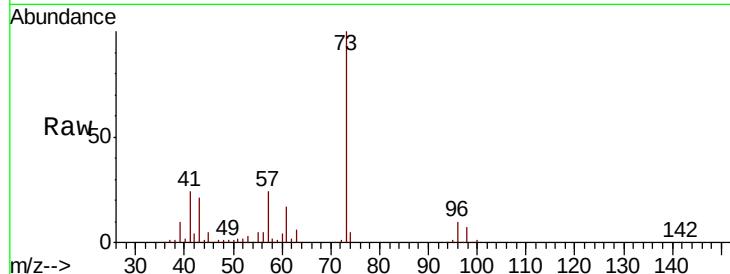
Methyl tert-butyl Ether
 Concen: 53.019 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	225752
Ion Ratio	Lower	Upper	
73	100		
57	24.1	19.8	29.6

Manual Integrations
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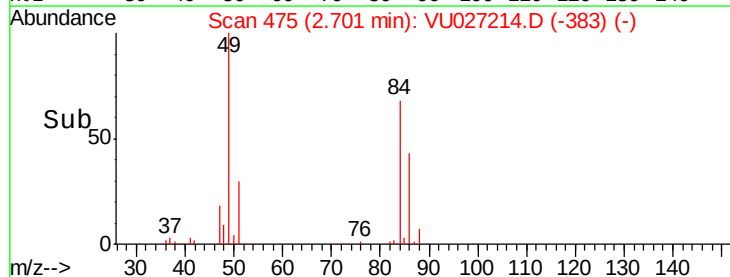
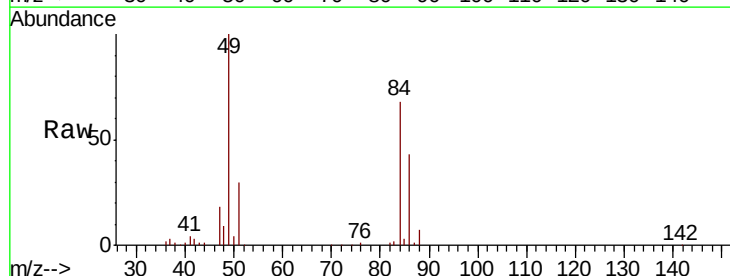
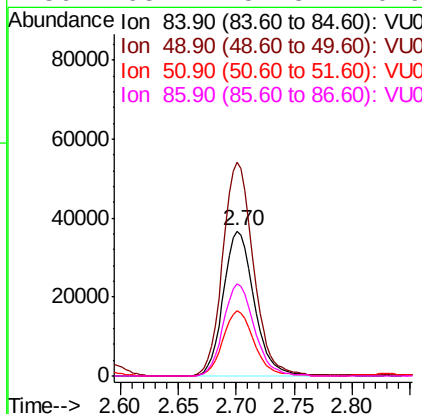
MMDadoda
 9/27/2018 3:33:27 PM

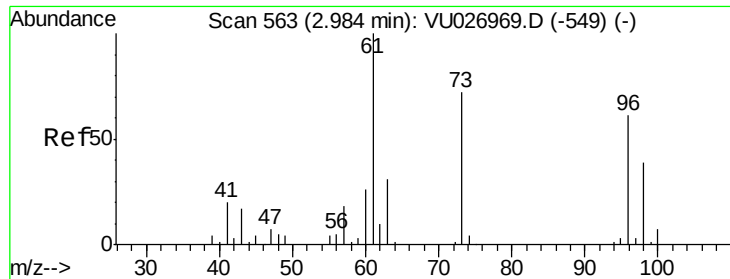


#20

Methylene Chloride
 Concen: 44.712 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	84	Resp	67613
Ion Ratio	Lower	Upper	
84	100		
49	147.0	114.9	172.3
51	44.6	35.8	53.8
86	63.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.795 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 56654

Ion Ratio Lower Upper

96 100

61 166.2 131.8 197.6

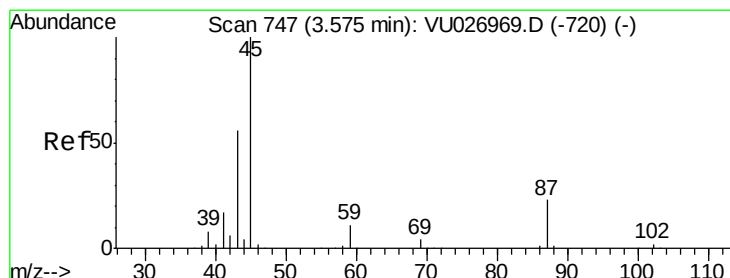
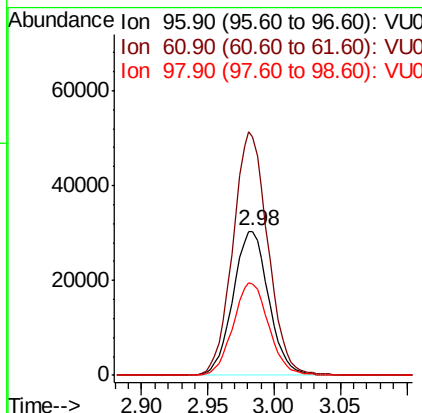
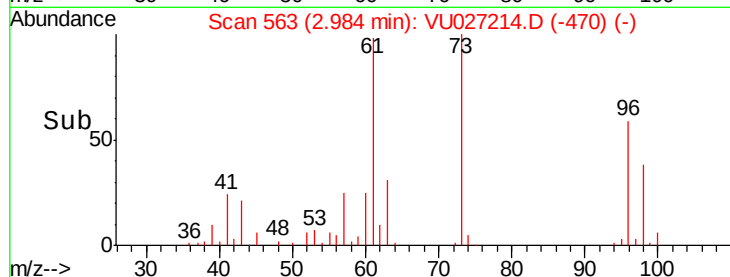
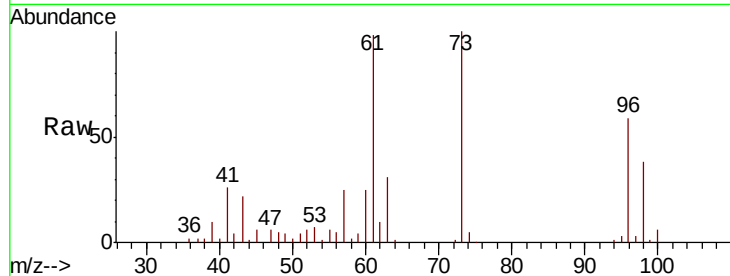
98 63.7 50.9 76.3

Manual Integrations

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9/27/2018 3:33:27 PM



#22

Diisopropyl ether

Concen: 53.857 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Tgt Ion: 45 Resp: 270725

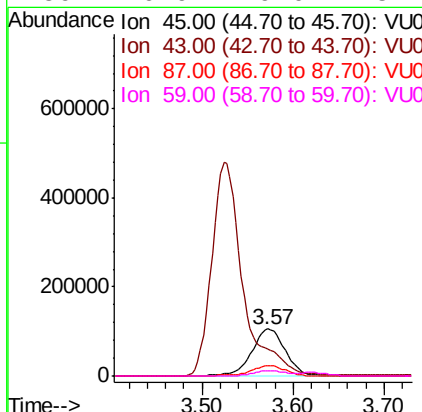
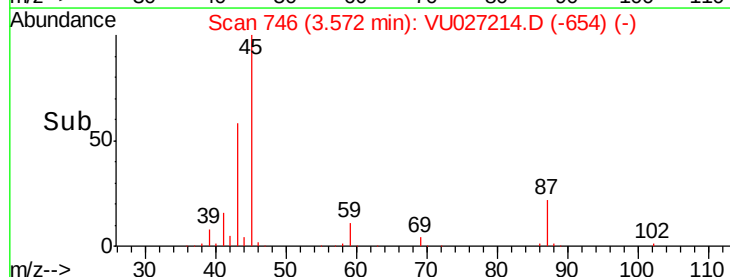
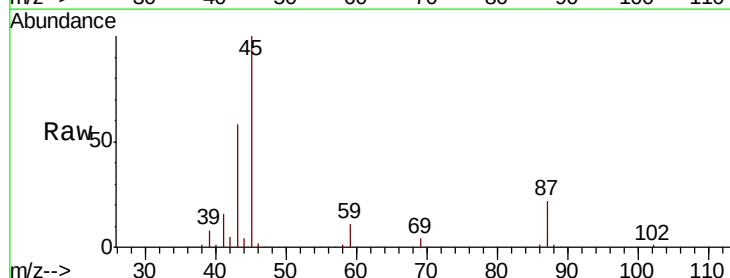
Ion Ratio Lower Upper

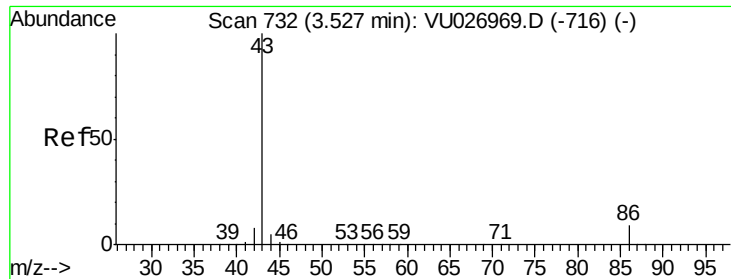
45 100

43 55.8 45.8 68.6

87 22.4 18.6 28.0

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 267.532 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1146340

Ion Ratio Lower Upper

43 100

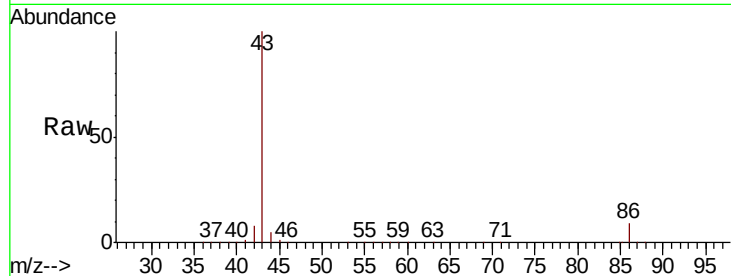
86 8.7 7.2 10.8

Manual Integrations

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9/27/2018 3:33:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027214.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027214.D (-639) (-)

3.52

500000

400000

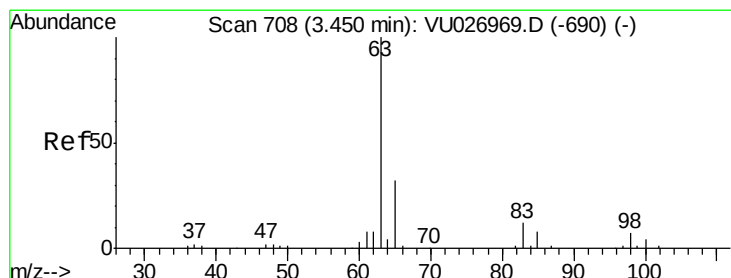
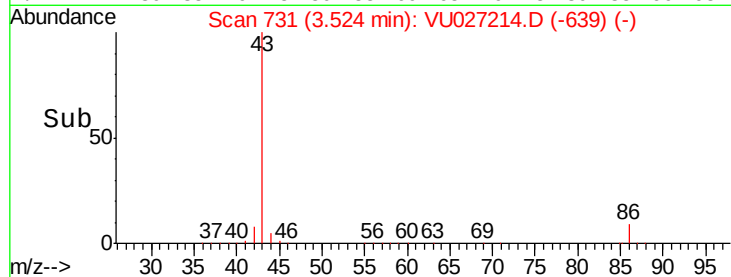
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.152 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

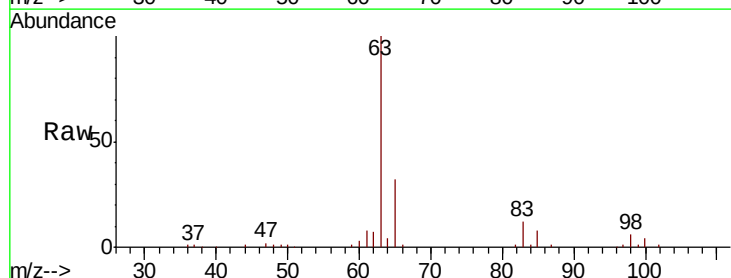
Tgt Ion: 63 Resp: 136079

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027214.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027214.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027214.D (-615) (-)

3.45

80000

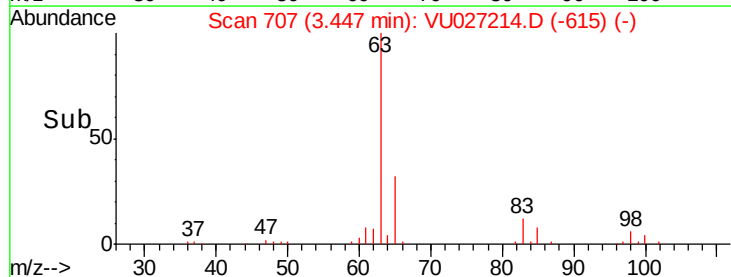
60000

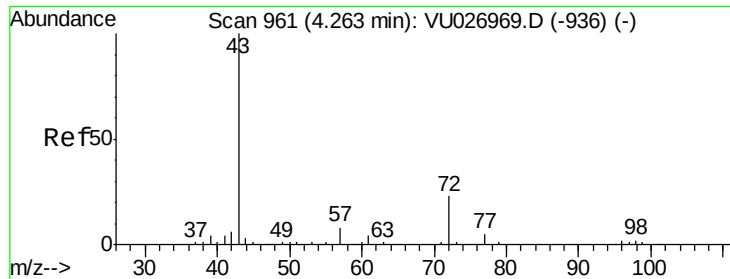
40000

20000

0

Time-->





#25

2-Butanone

Concen: 271.983 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 385943

Ion Ratio Lower Upper

43 100

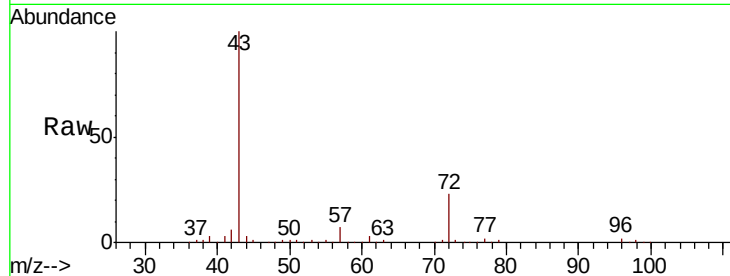
72 22.8 18.4 27.6

Manual Integrations

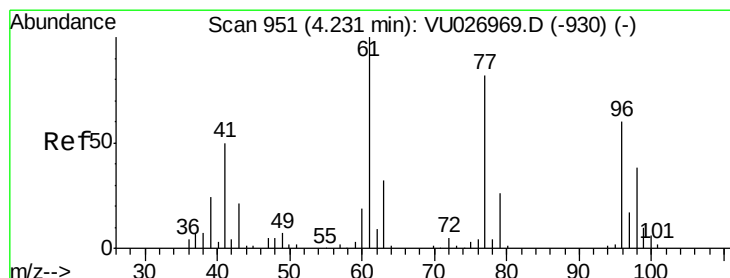
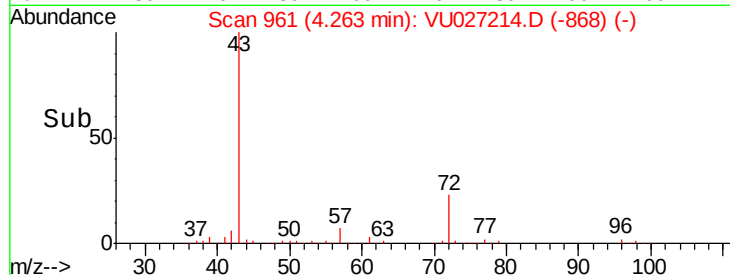
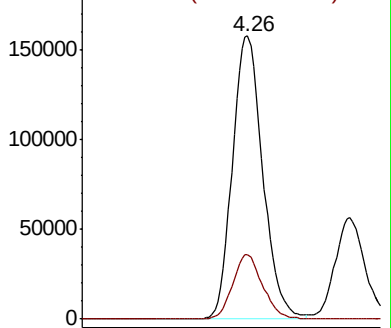
APPROVED

MMDadoda

9/27/2018 3:33:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027214.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 26.449 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027214.D

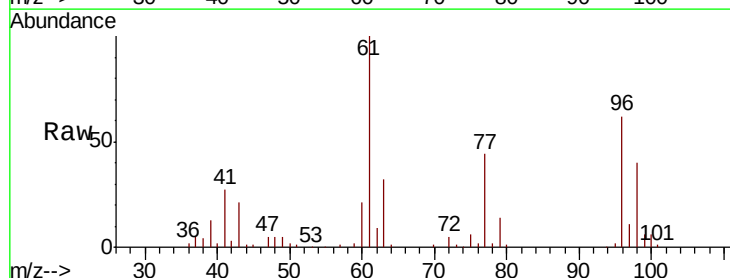
Acq: 27 Sep 2018 06:13

Tgt Ion: 77 Resp: 57107

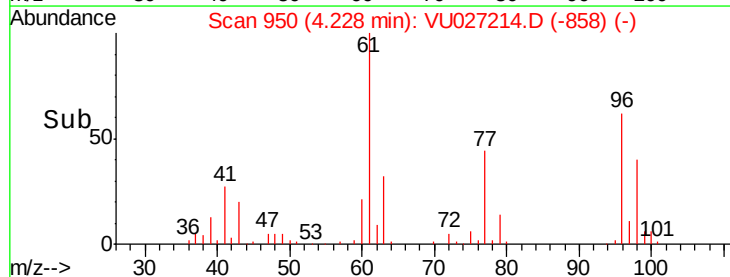
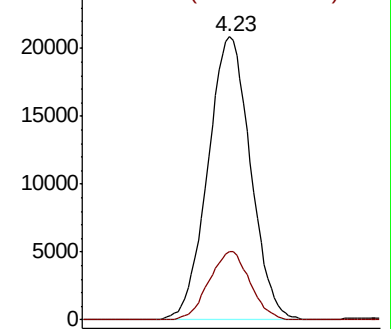
Ion Ratio Lower Upper

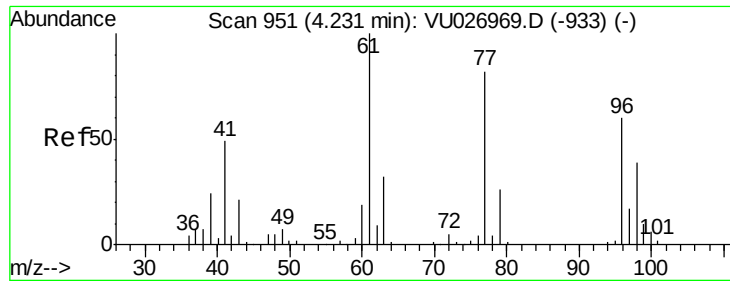
77 100

97 23.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU027214.D (-858) (-)





#27

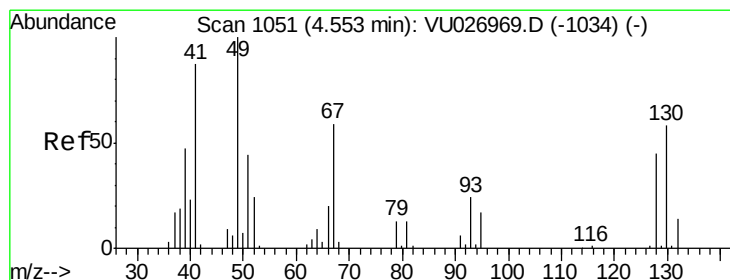
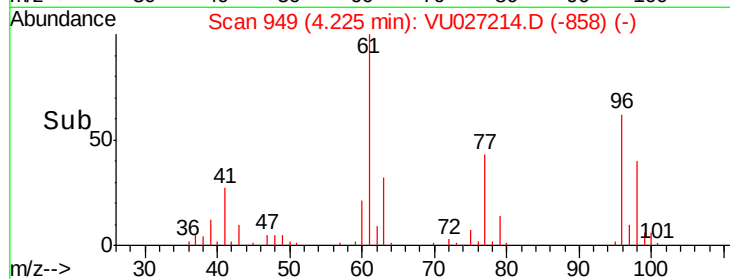
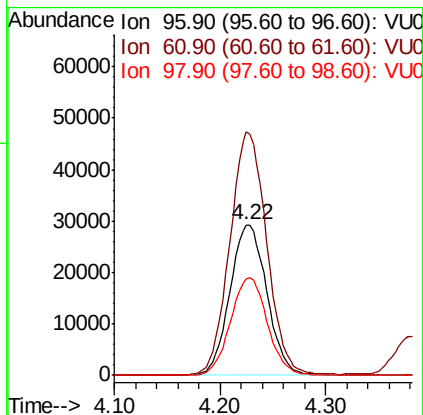
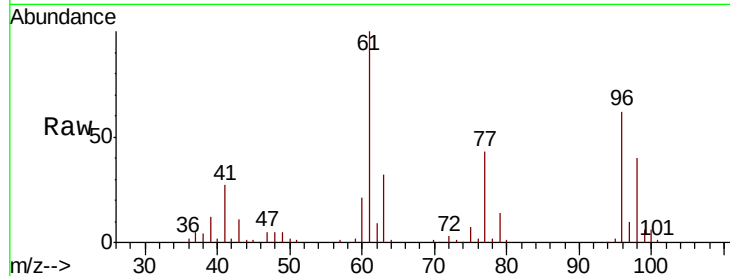
cis-1,2-Dichloroethene
 Concen: 50.910 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	337.2
98	64.9	0.0	127.6

Manual Integrations
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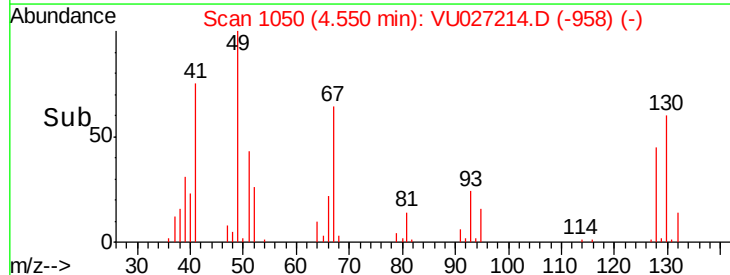
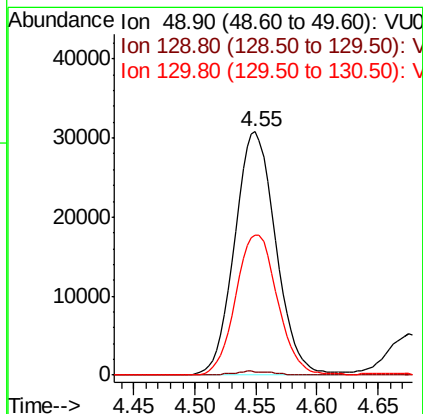
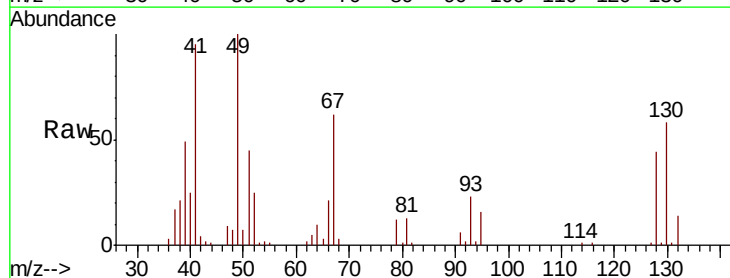
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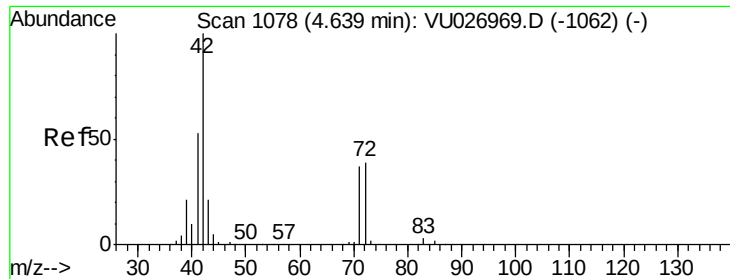


#28

Bromochloromethane
 Concen: 53.978 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	58.4	47.8	71.8





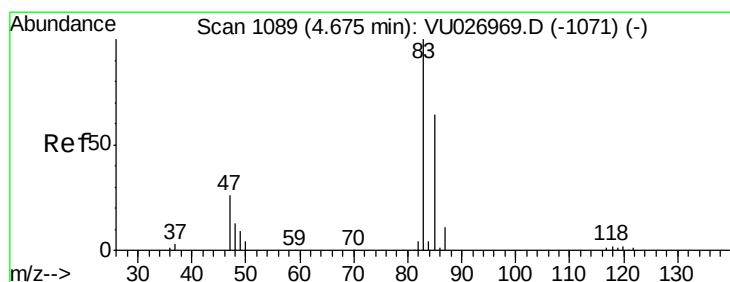
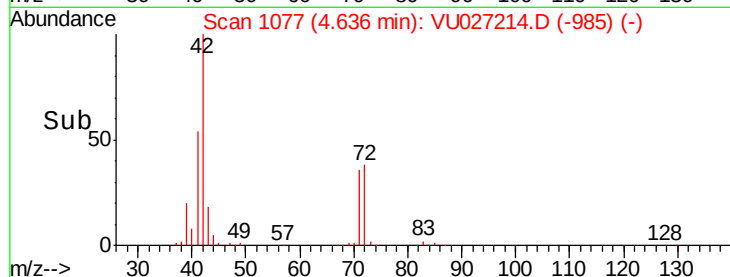
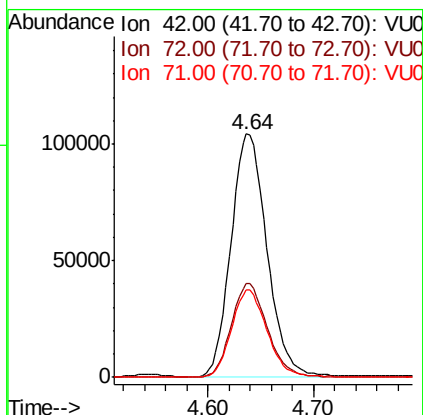
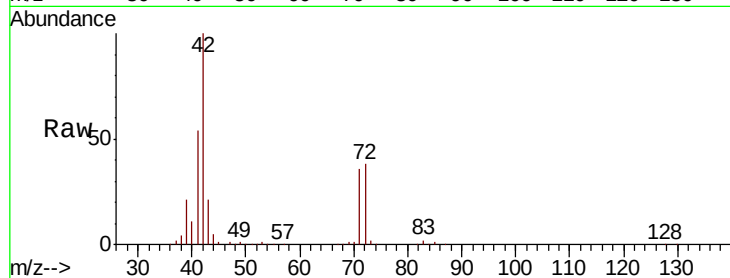
#29
Tetrahydrofuran
Concen: 287.088 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.7	47.5
71	35.8	29.6	44.4

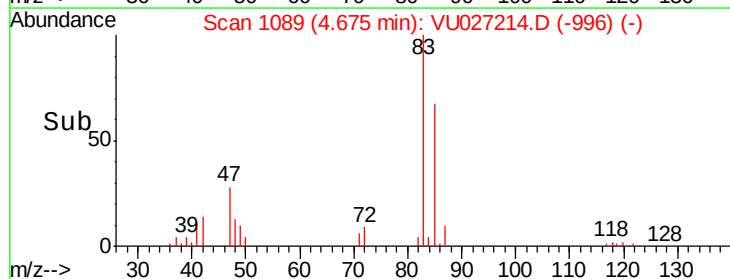
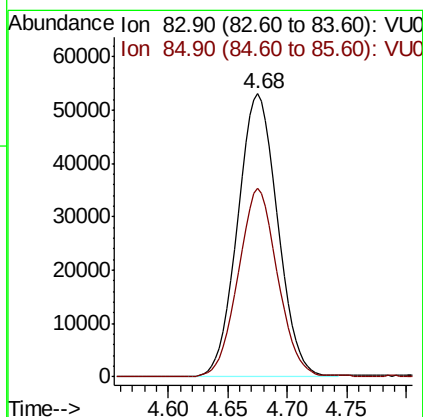
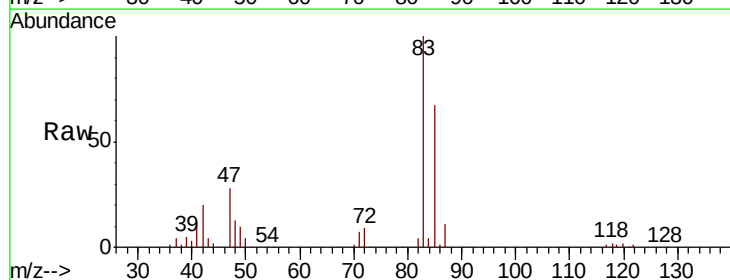
Manual Integrations
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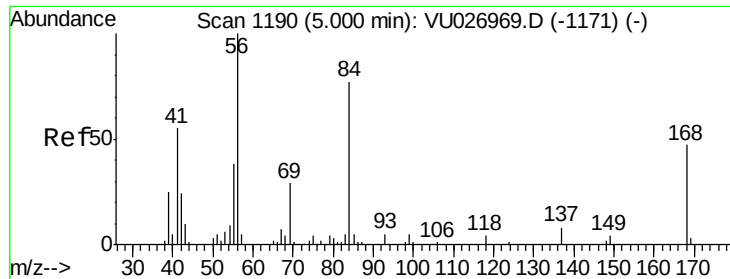
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#30
Chloroform
Concen: 48.131 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.5	77.3





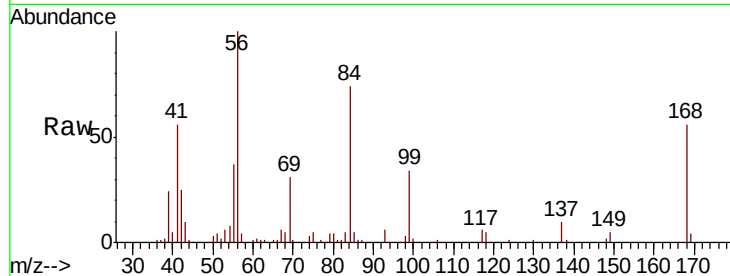
#31
Cyclohexane
Concen: 45.429 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

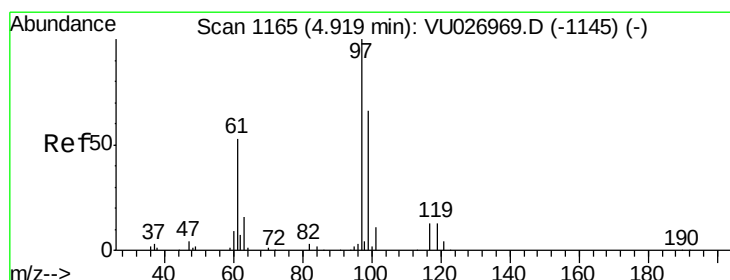
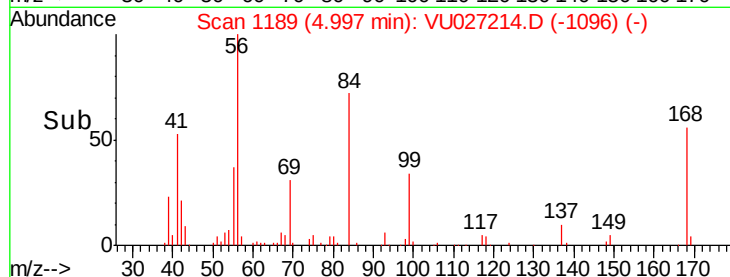
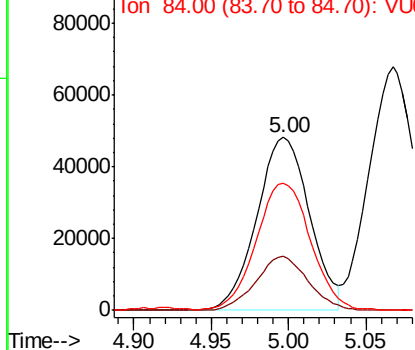
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.0	34.4
84	73.0	61.4	92.2

Manual Integrations
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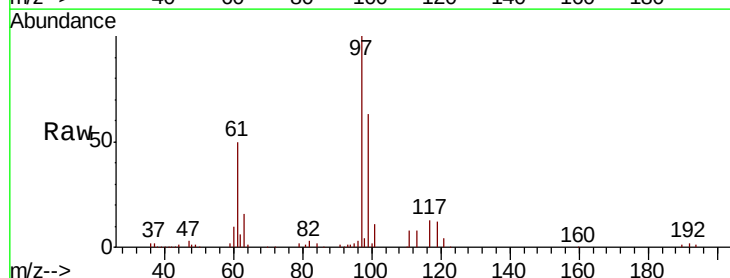


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

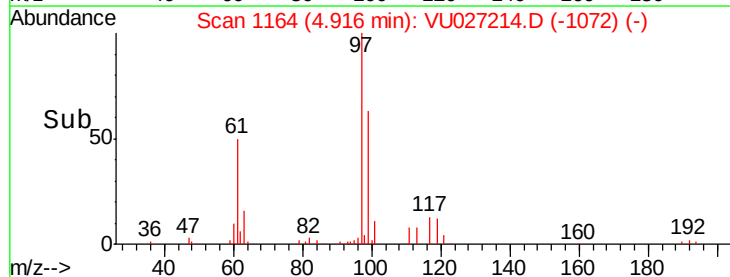
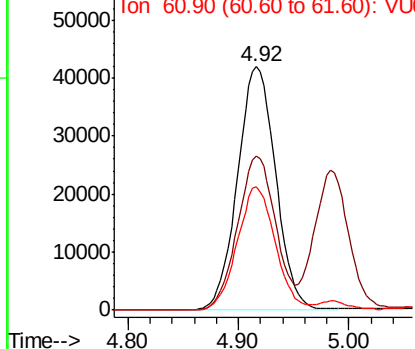


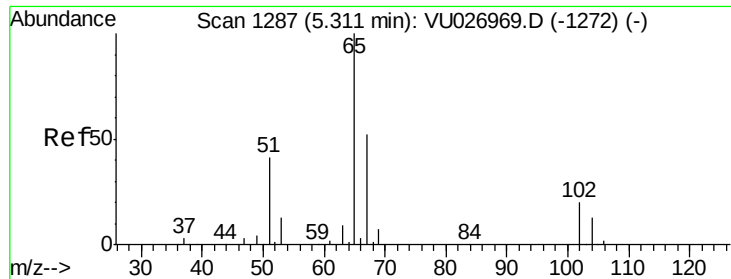
#32
1,1,1-Trichloroethane
Concen: 49.071 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	50.3	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





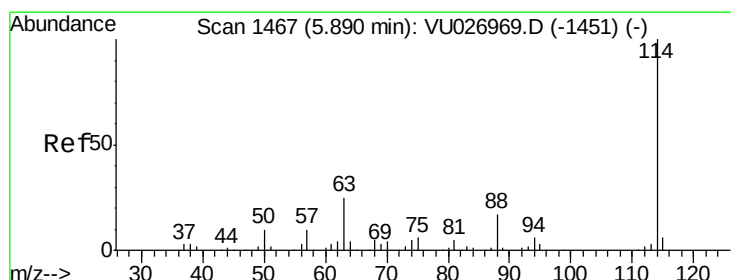
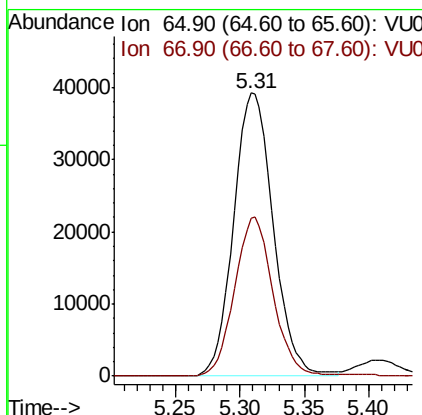
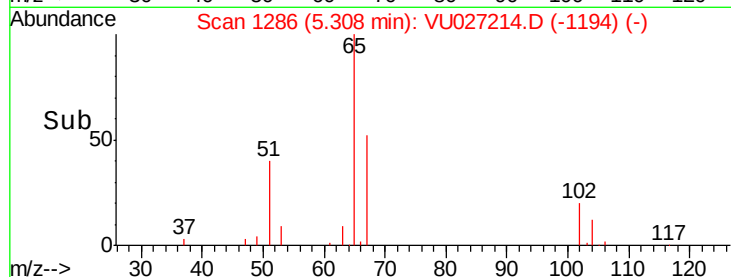
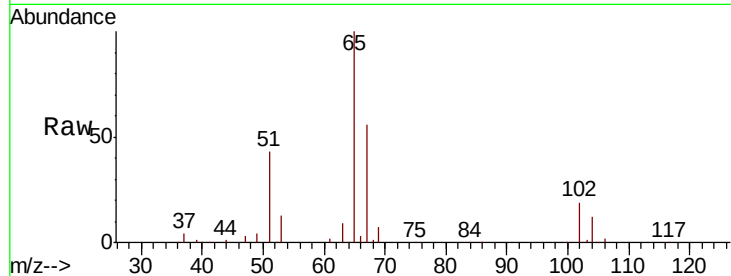
#33
 1,2-Dichloroethane-d4
 Concen: 49.790 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

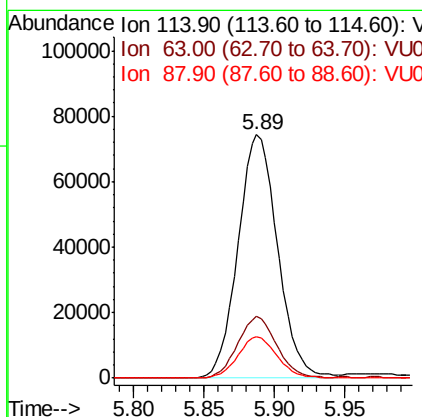
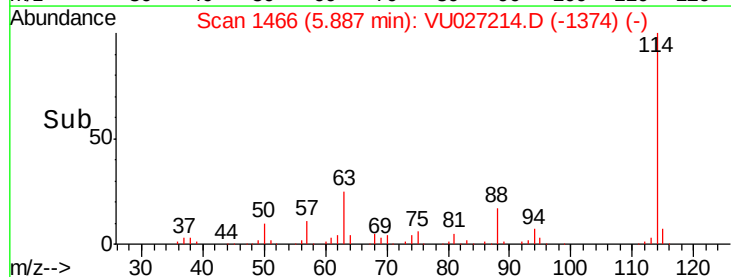
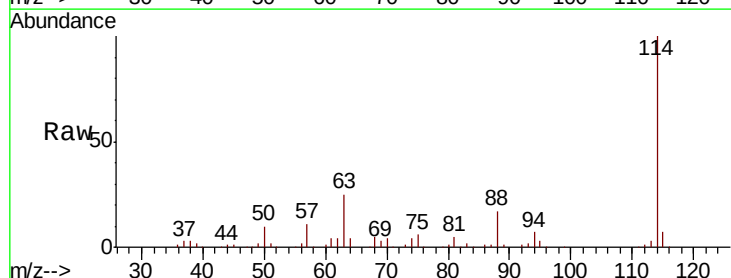
Manual Integrations
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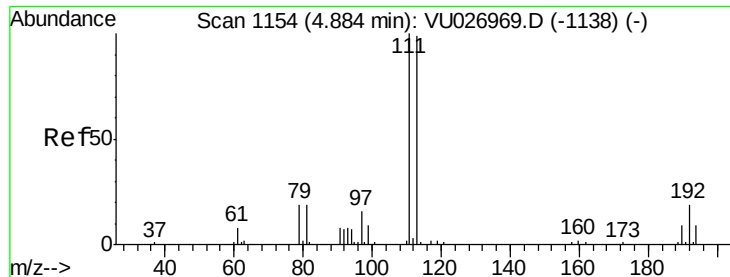
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 9/27/2018 3:33:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	16.9	0.0	33.8





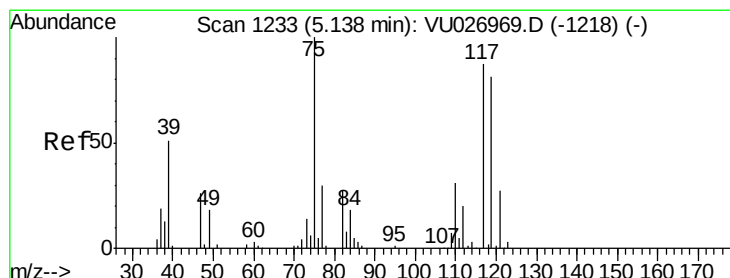
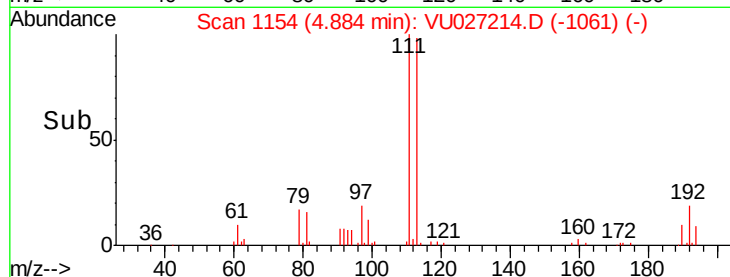
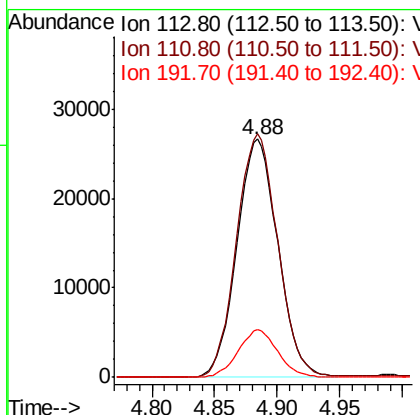
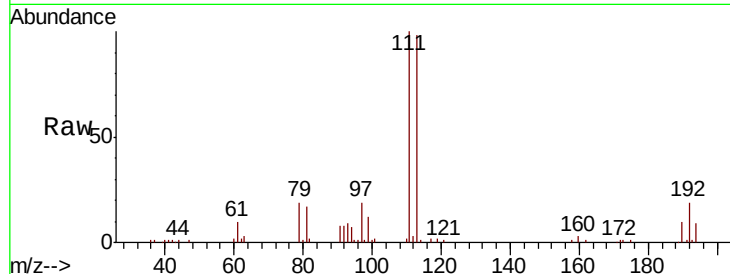
#35
 Dibromofluoromethane
 Concen: 47.846 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	19.1	15.2	22.8

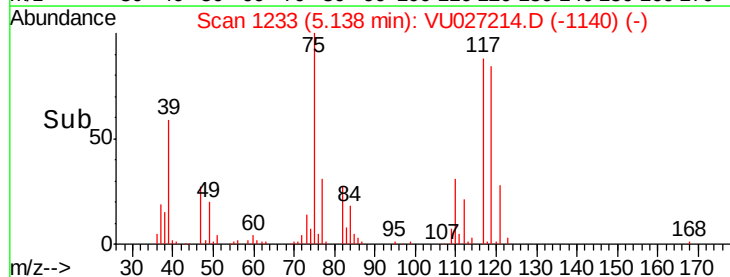
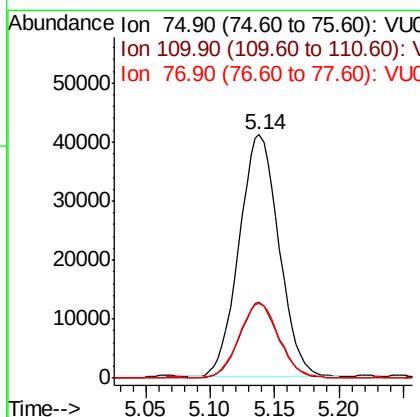
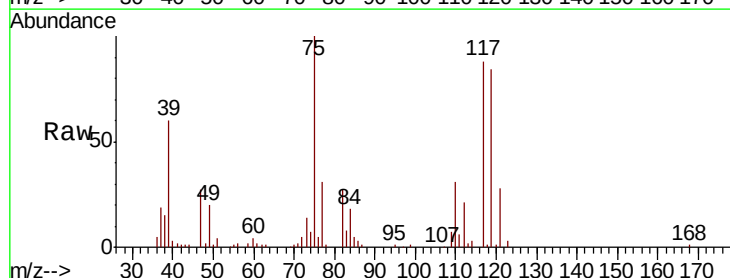
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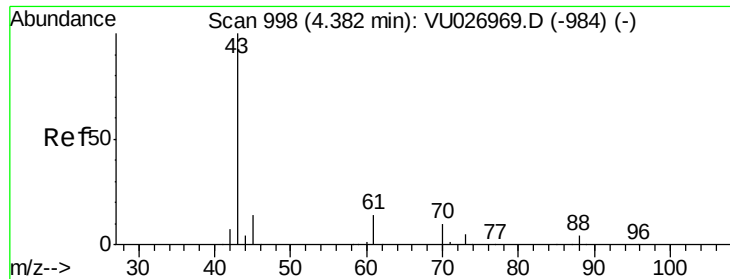
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#36
 1,1-Dichloropropene
 Concen: 45.325 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.1	48.2
77	31.2	24.6	36.8





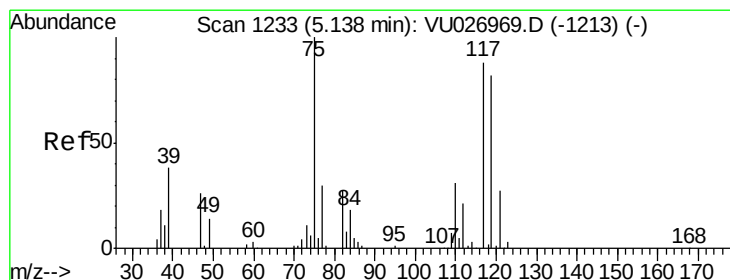
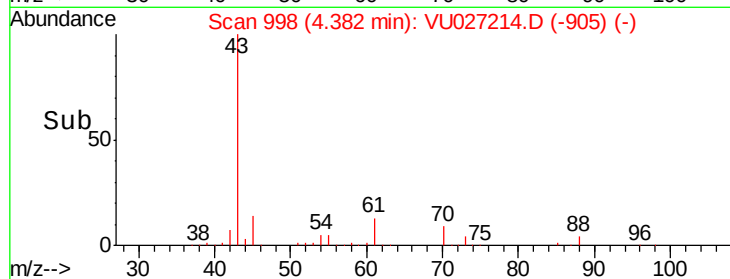
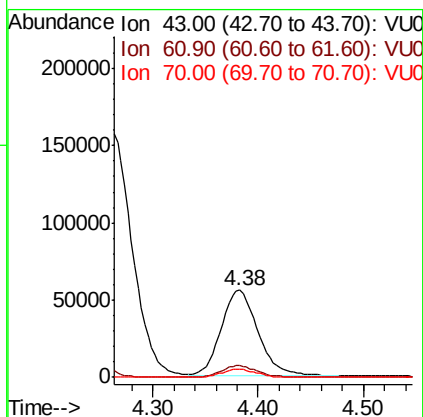
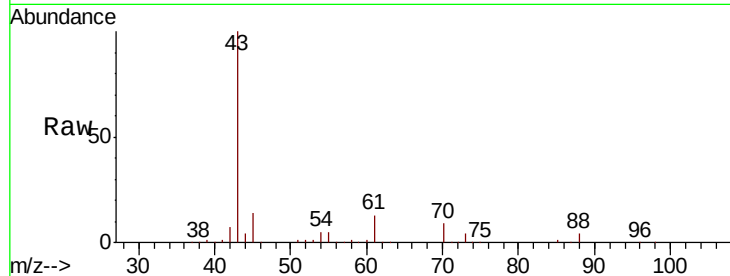
#37
Ethyl Acetate
Concen: 51.154 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	8.9	7.4	11.0

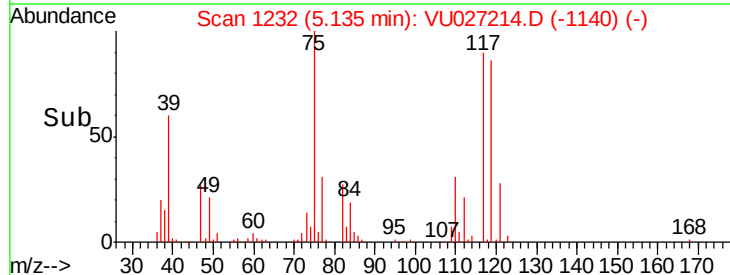
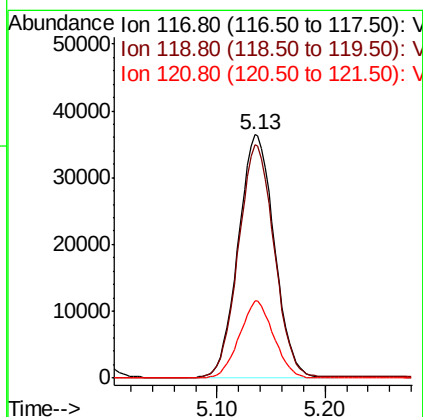
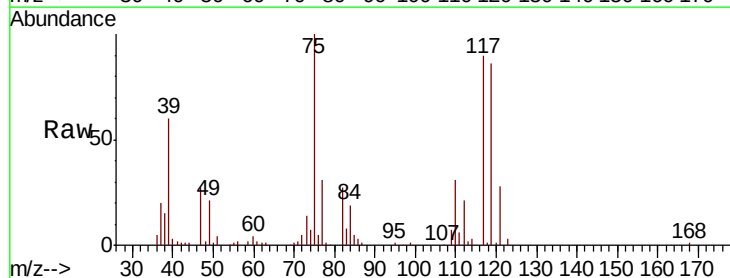
Manual Integrations
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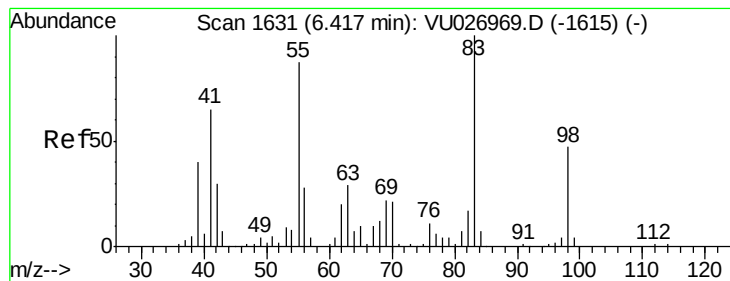
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9/27/2018 3:33:27 PM



#38
Carbon Tetrachloride
Concen: 45.691 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.4	111.6
121	31.6	24.2	36.4





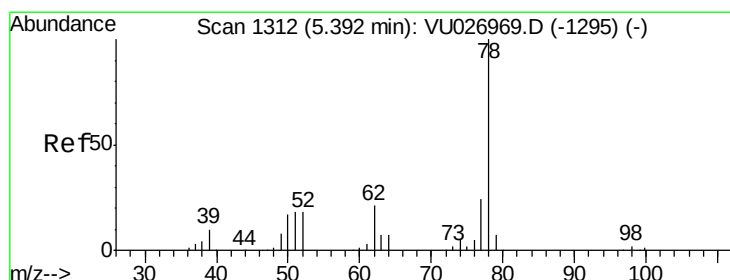
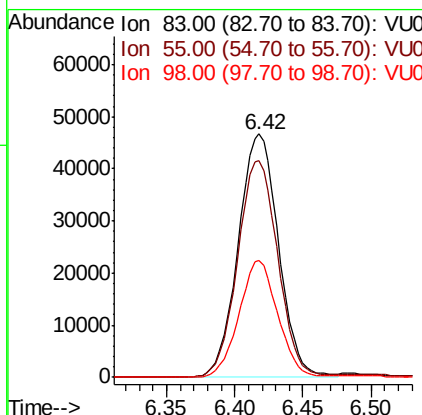
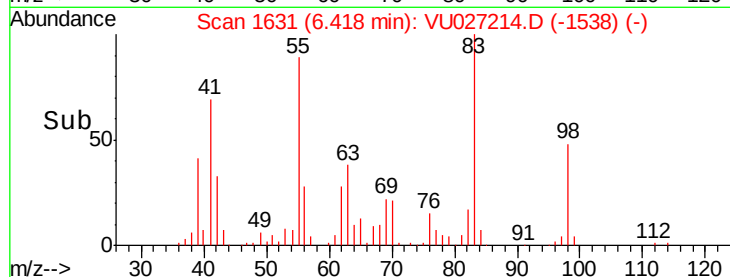
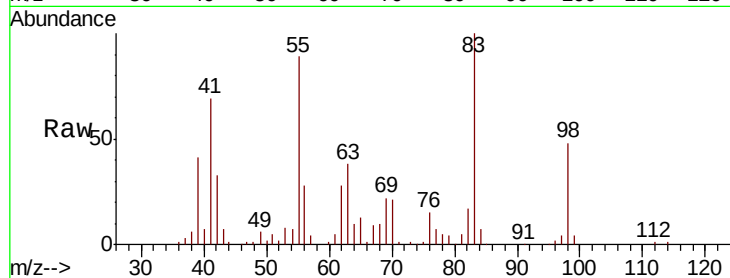
#39
Methylvlcyclohexane
Concen: 45.135 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	95873
Ion Ratio	Lower	Upper	
83	100		
55	89.0	69.9	104.9
98	48.2	37.5	56.3

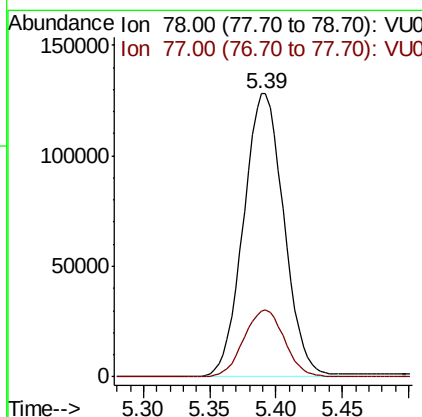
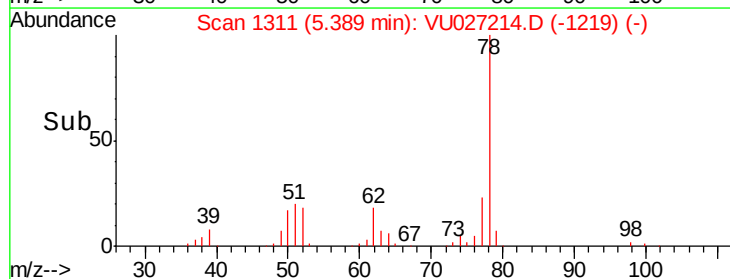
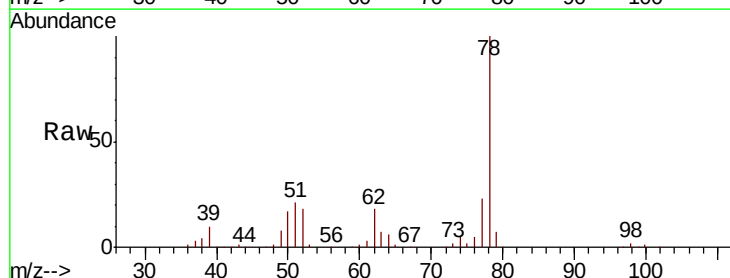
Manual Integrations
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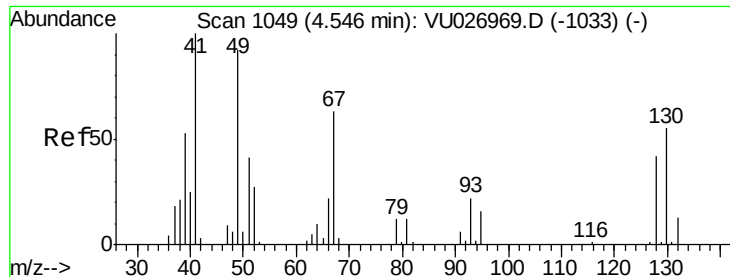
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#40
Benzene
Concen: 45.878 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	78	Resp	272608
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.4	29.0





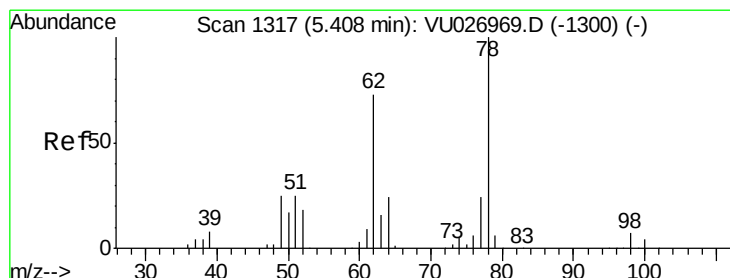
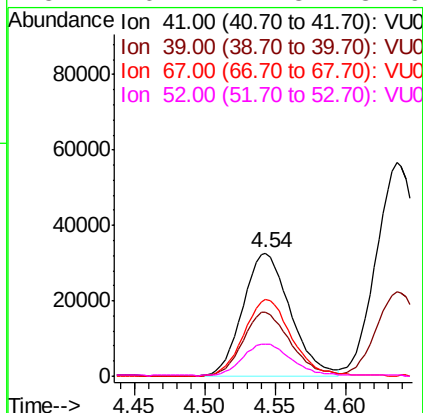
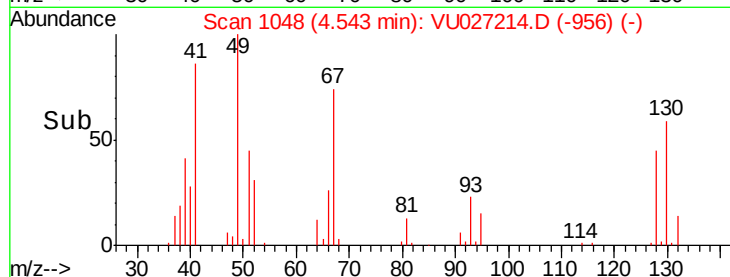
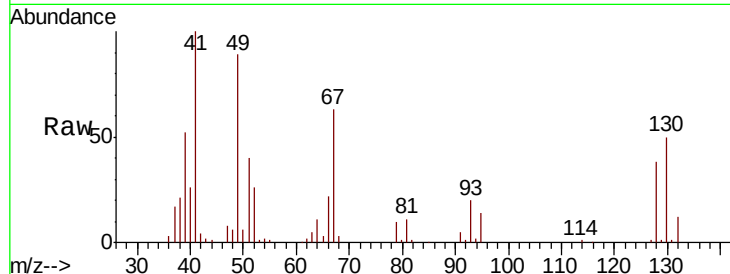
#41
Methacrylonitrile
Concen: 56.019 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.9	64.3	
67	62.6	52.4	78.6	
52	26.1	21.3	31.9	

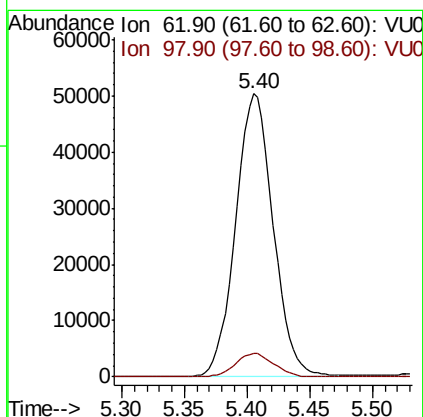
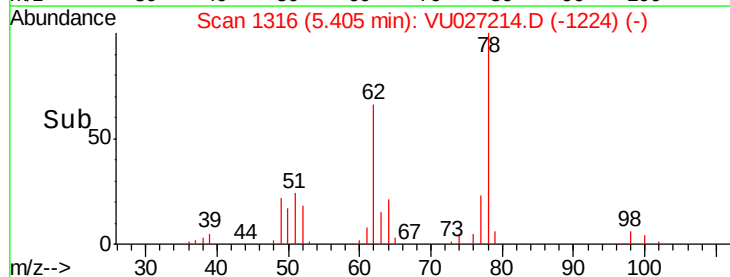
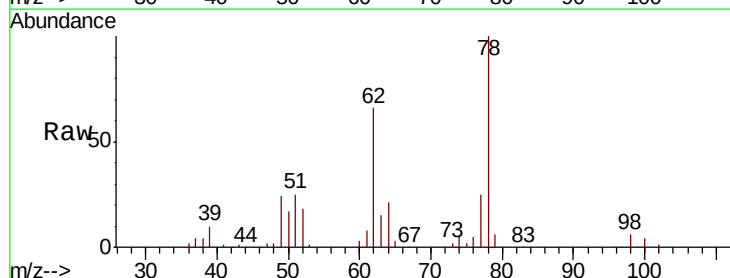
Manual Integrations
APPROVED

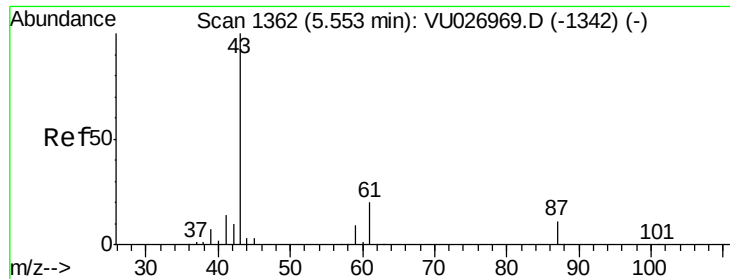
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9/27/2018 3:33:27 PM



#42
1,2-Dichloroethane
Concen: 46.848 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





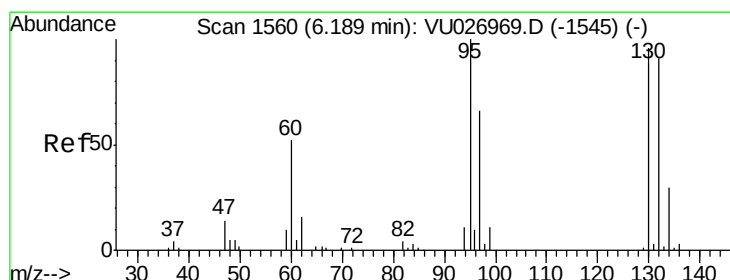
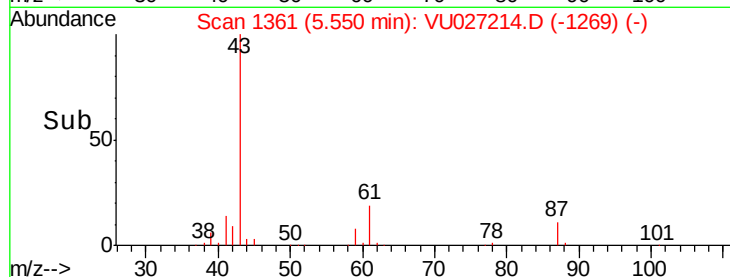
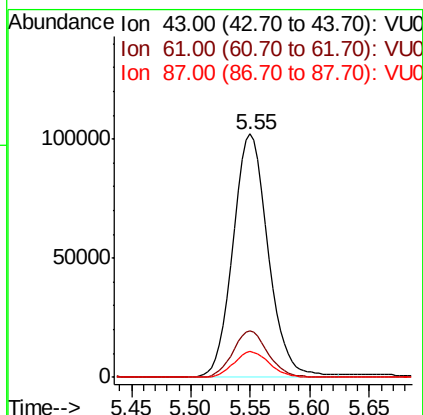
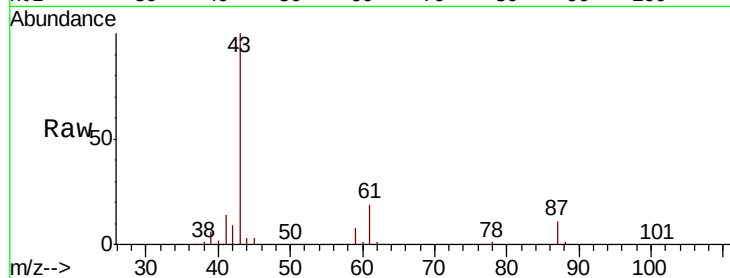
#43
Isopropyl Acetate
Concen: 54.061 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	10.8	9.0	13.4

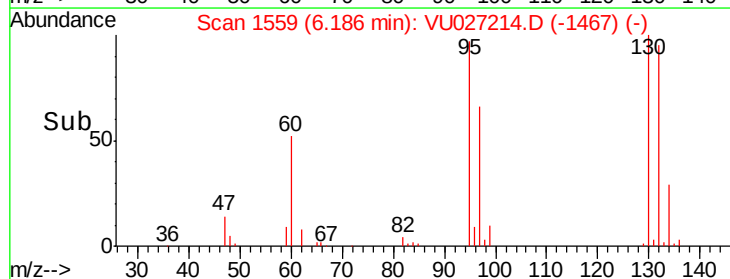
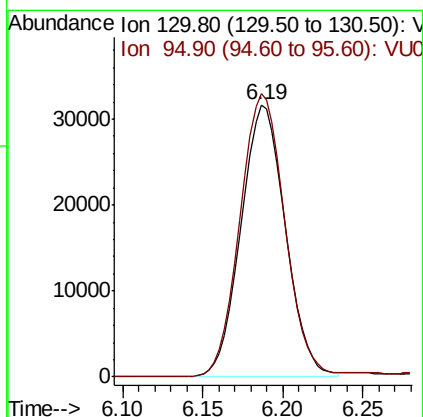
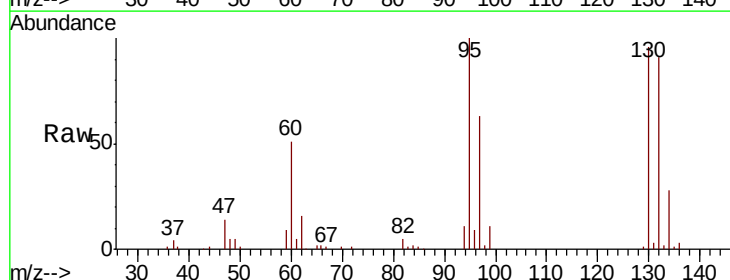
Manual Integrations
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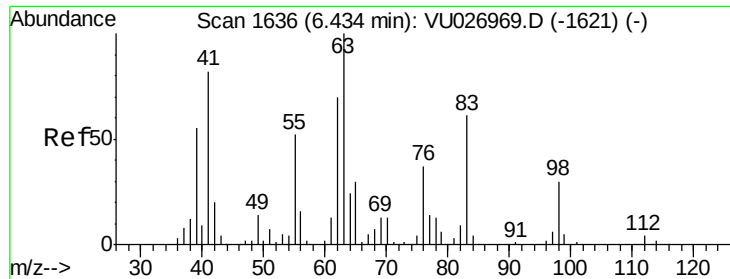
MMDadoda
9/27/2018 3:33:27 PM



#44
Trichloroethene
Concen: 47.506 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	208.8





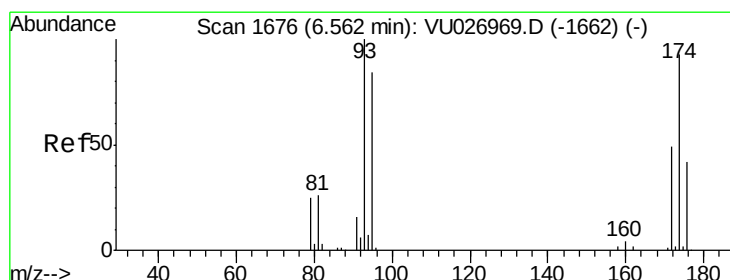
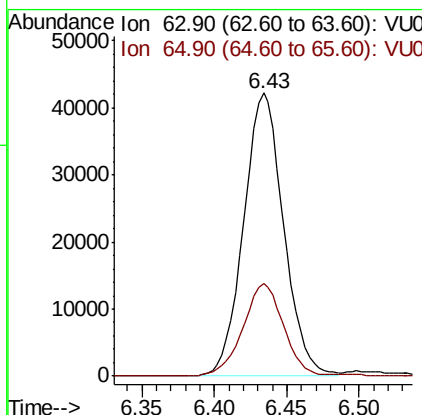
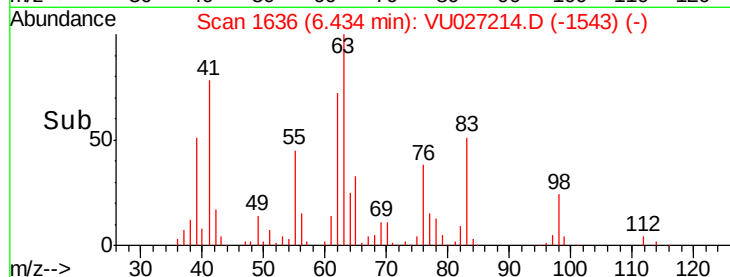
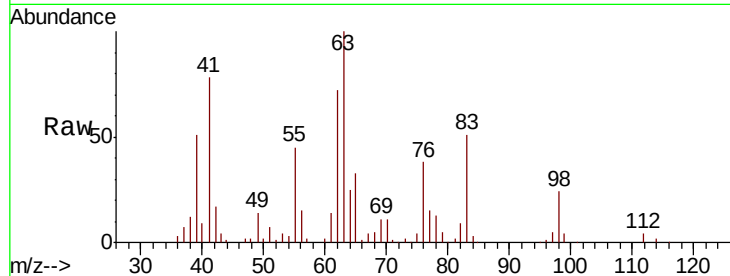
#45
 1,2-Dichloropropane
 Concen: 47.929 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 81149
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.3 36.5

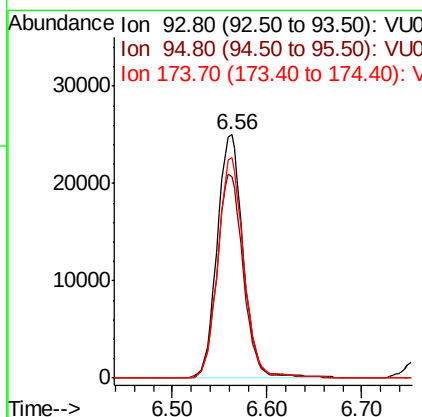
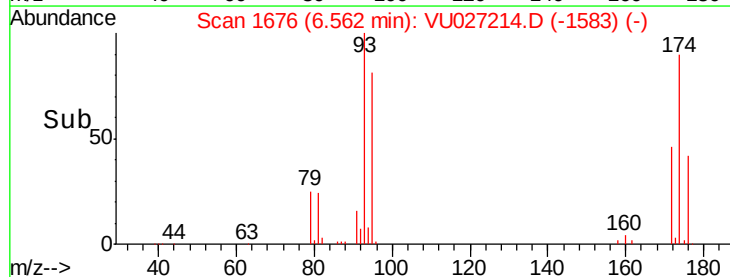
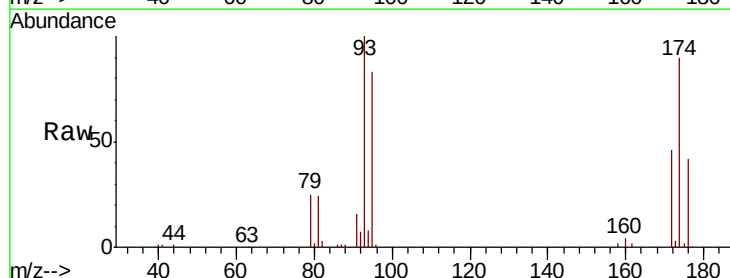
Manual Integrations
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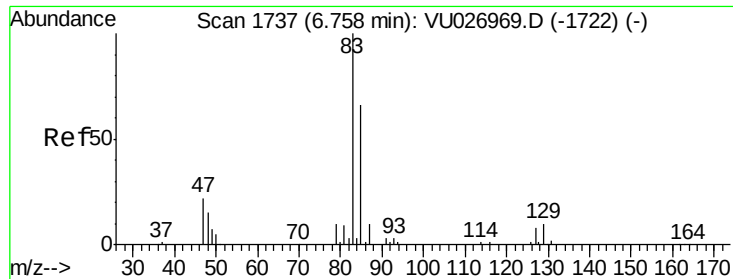
MMDadoda
 9/27/2018 3:33:27 PM



#46
 Dibromomethane
 Concen: 46.918 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion: 93 Resp: 47976
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 88.3 71.7 107.5





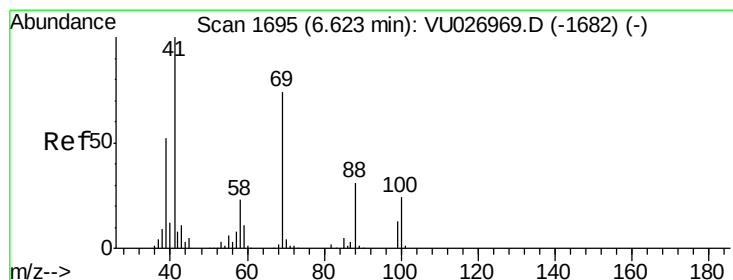
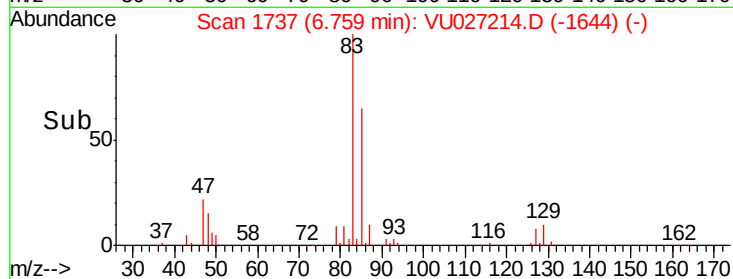
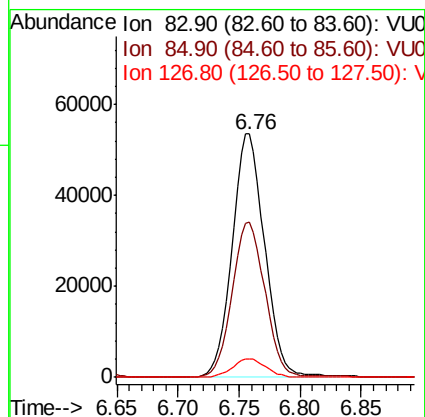
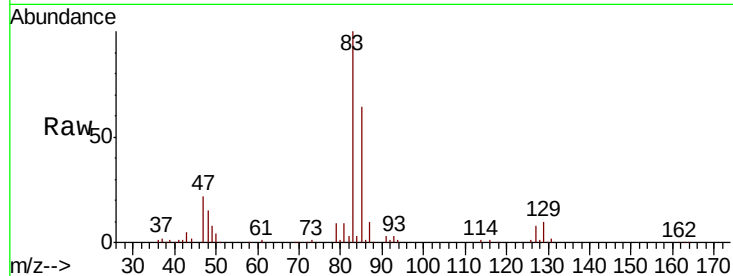
#47
Bromodichloromethane
Concen: 48.002 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	99250
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.5	78.7
127	7.7	6.3	9.5

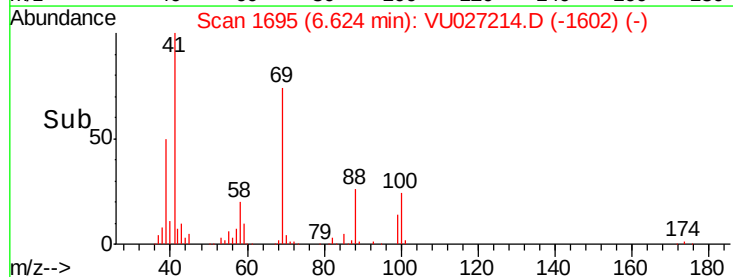
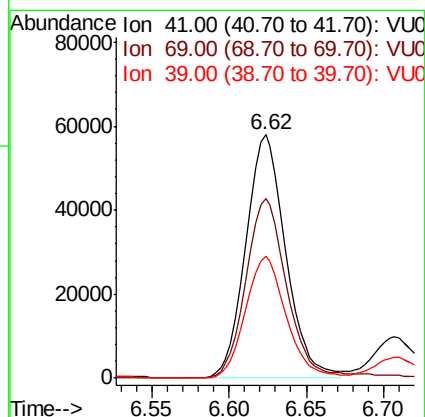
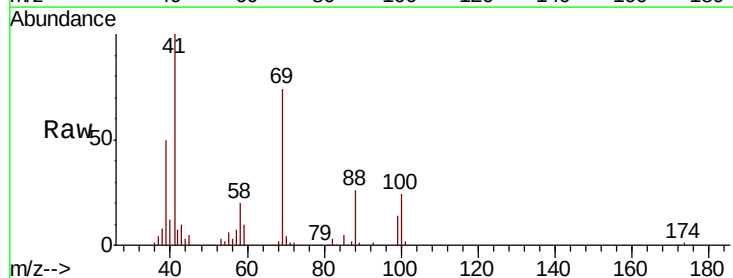
Manual Integrations
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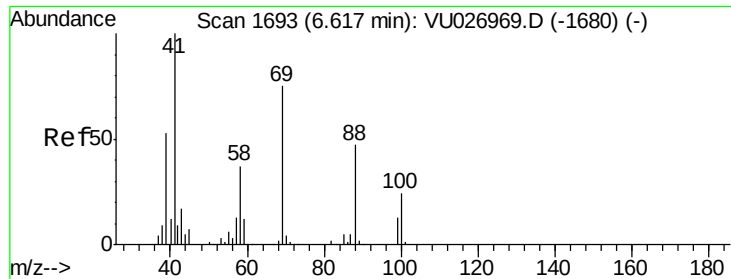
MMDadoda
9/27/2018 3:33:27 PM



#48
Methyl methacrylate
Concen: 49.491 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	41	Resp	103926
Ion Ratio	100	Lower	Upper
41	100		
69	75.7	60.6	90.8
39	51.3	42.8	64.2





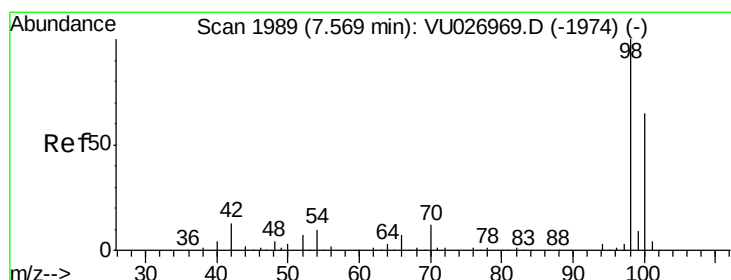
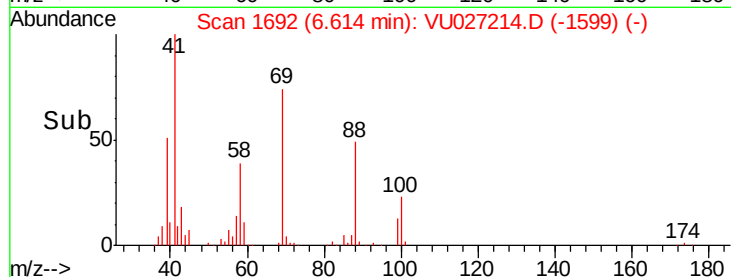
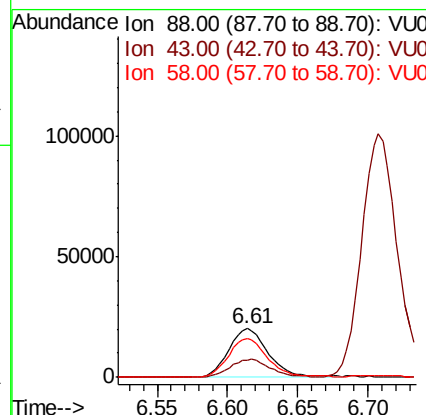
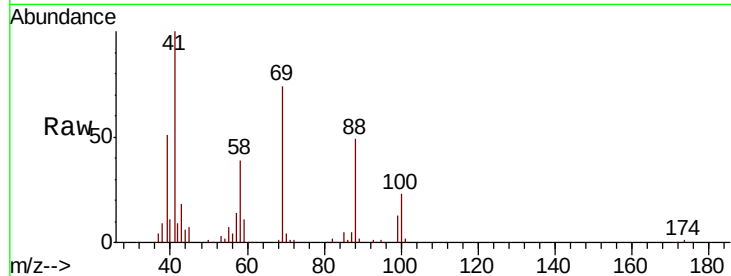
#49
1,4-Dioxane
Concen: 948.747 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.8
58	79.8	63.9	95.9

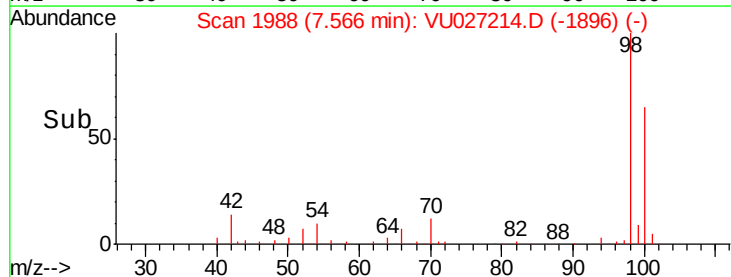
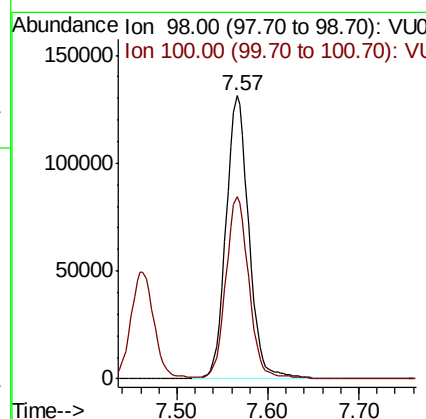
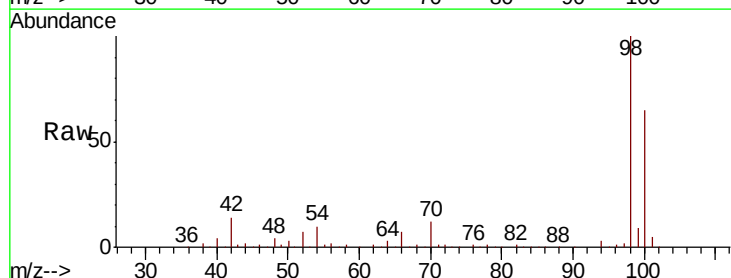
Manual Integrations
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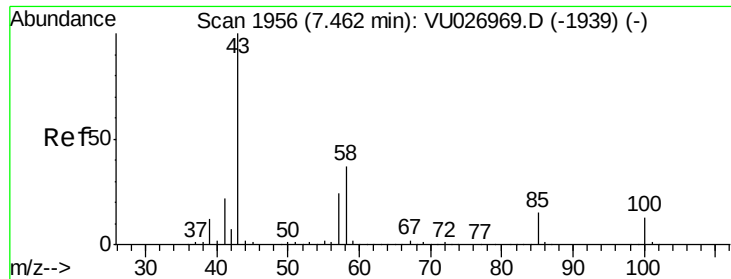
MMDadoda
9/27/2018 3:33:27 PM



#50
Toluene-d8
Concen: 47.326 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 279.487 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 725374

Ion Ratio Lower Upper

43 100

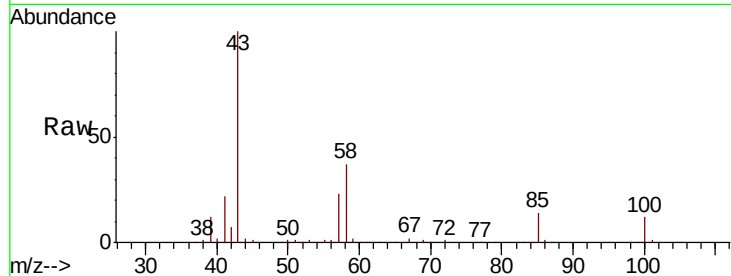
58 37.2 29.8 44.6

Manual Integrations

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MMDadoda

9/27/2018 3:33:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

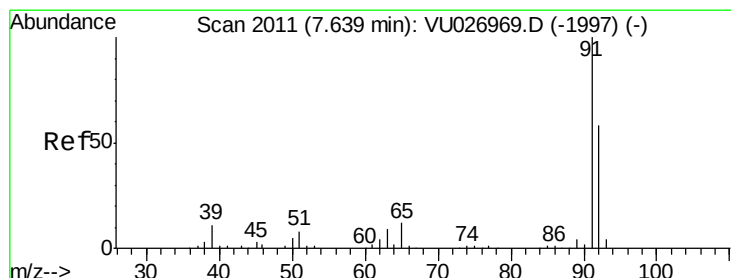
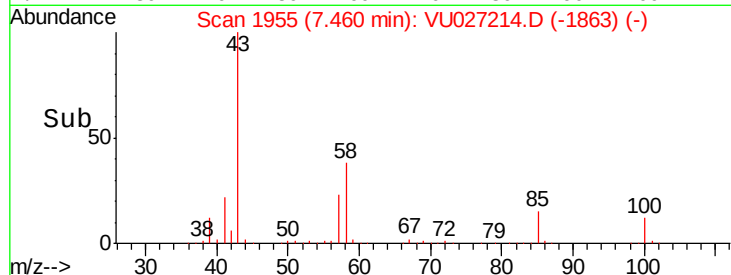
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.357 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027214.D

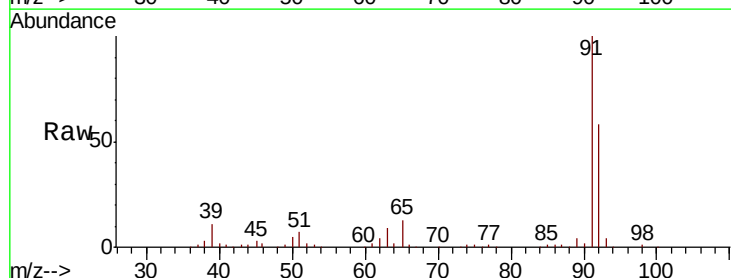
Acq: 27 Sep 2018 06:13

Tgt Ion: 92 Resp: 164703

Ion Ratio Lower Upper

92 100

91 172.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

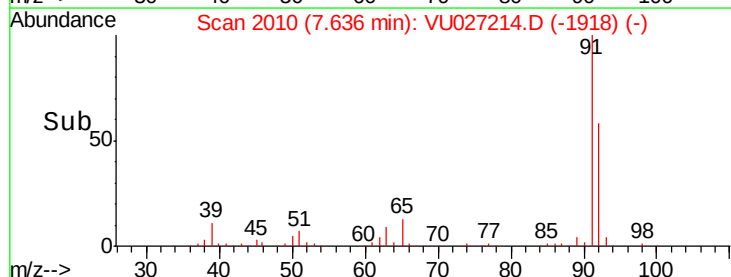
150000

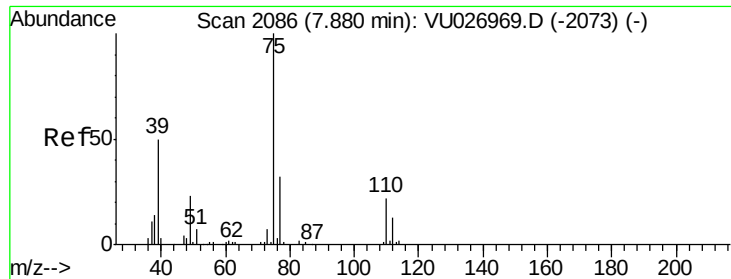
100000

50000

0

Time-->





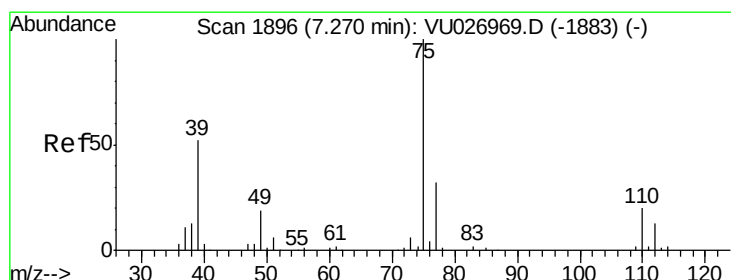
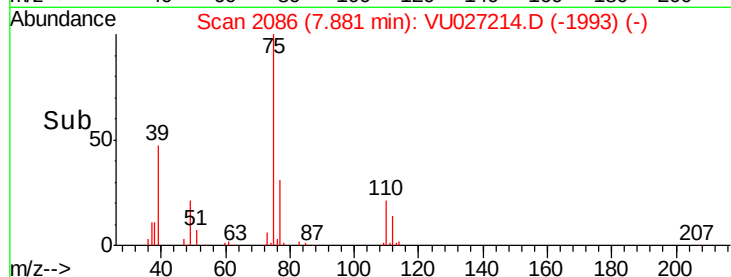
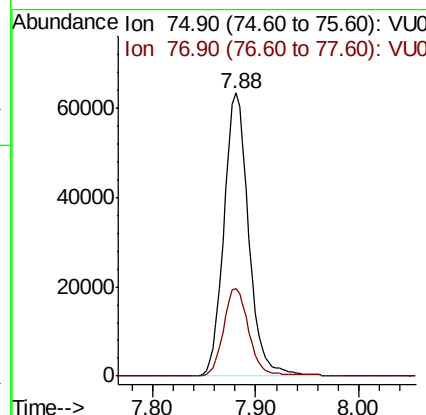
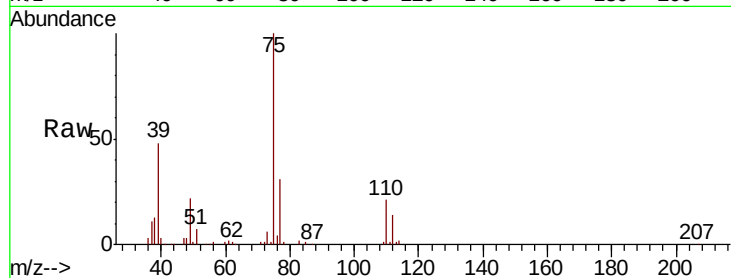
#53
t-1,3-Dichloropropene
Concen: 47.685 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 105932
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9

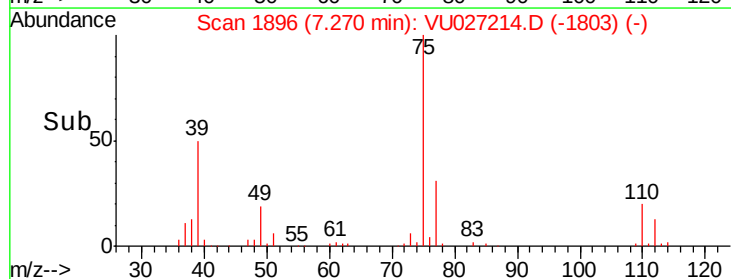
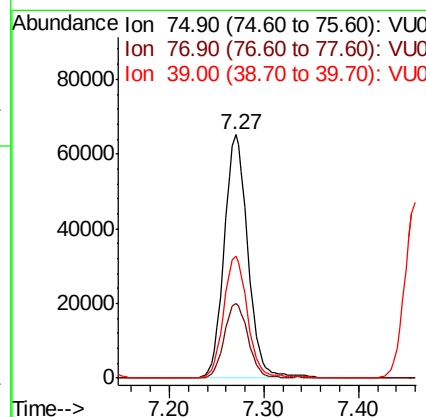
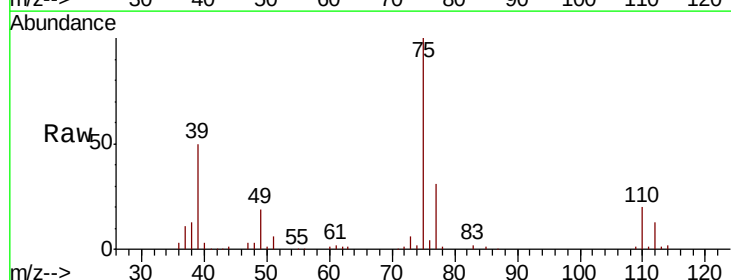
Manual Integrations
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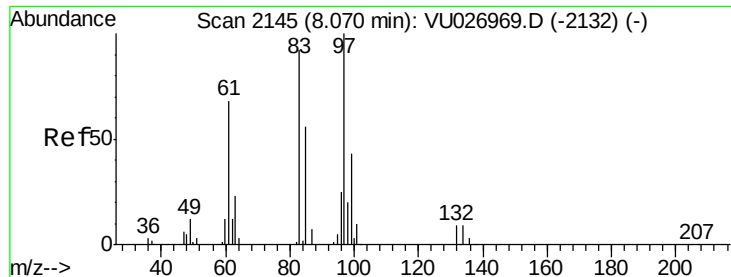
MMDadoda
9/27/2018 3:33:27 PM



#54
cis-1,3-Dichloropropene
Concen: 46.539 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion: 75 Resp: 113676
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0
39 50.0 41.6 62.4





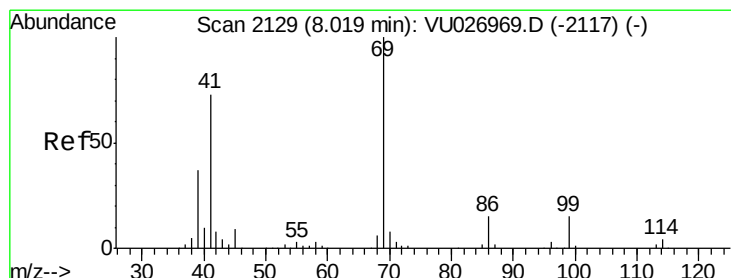
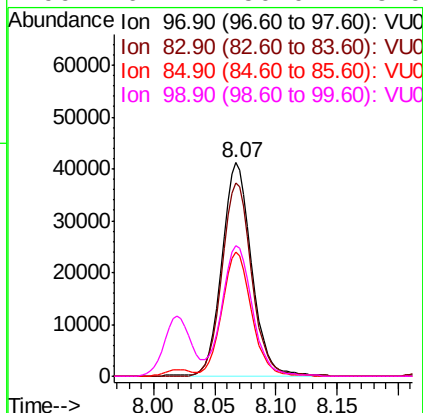
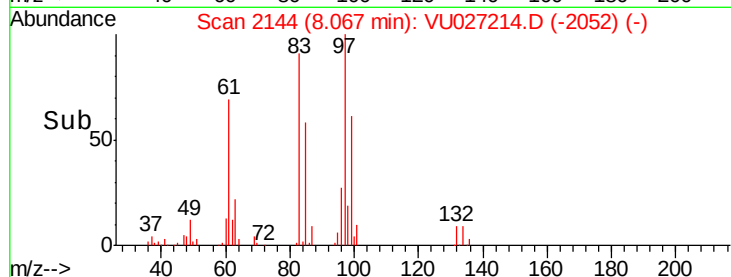
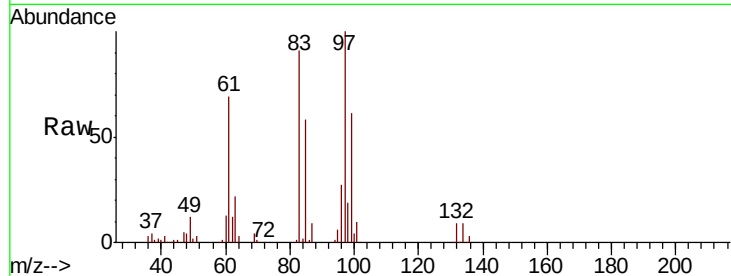
#55
 1,1,2-Trichloroethane
 Concen: 48.850 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	70501
Ion	Ratio	Lower	Upper
97	100		
83	90.7	73.1	109.7
85	58.4	46.7	70.1
99	61.4	50.0	75.0

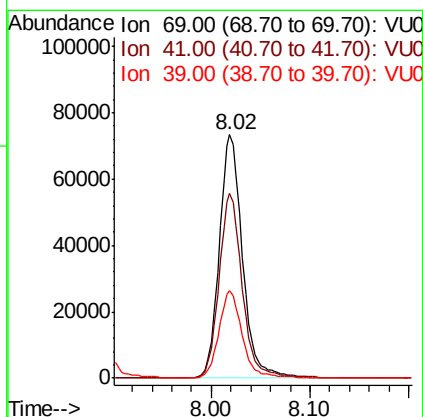
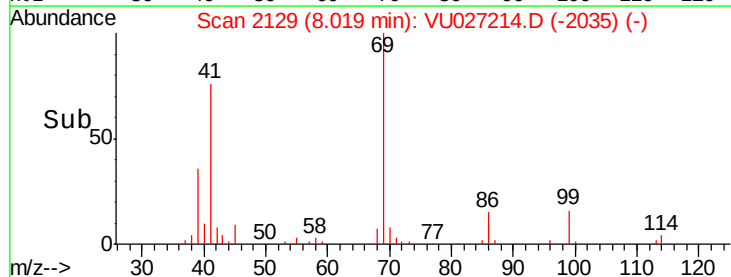
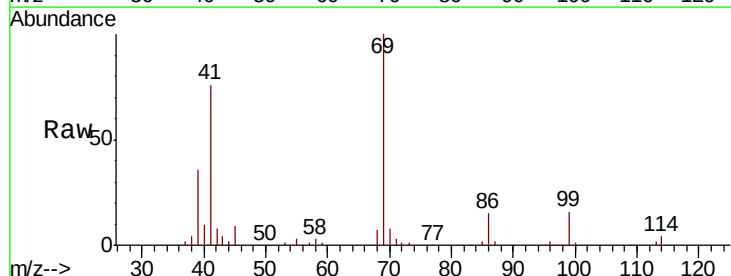
Manual Integrations
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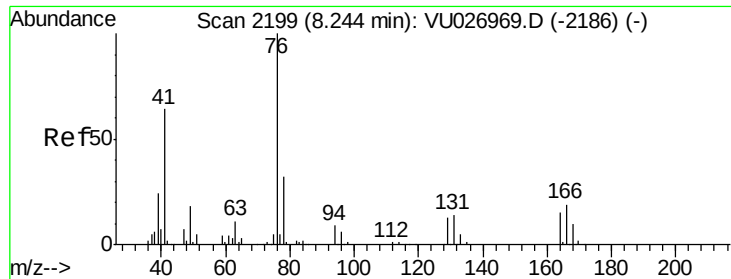
MMDadoda
 9/27/2018 3:33:27 PM



#56
 Ethyl methacrylate
 Concen: 48.450 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion:	69	Resp:	121146
Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.0	88.4
39	35.8	30.2	45.4





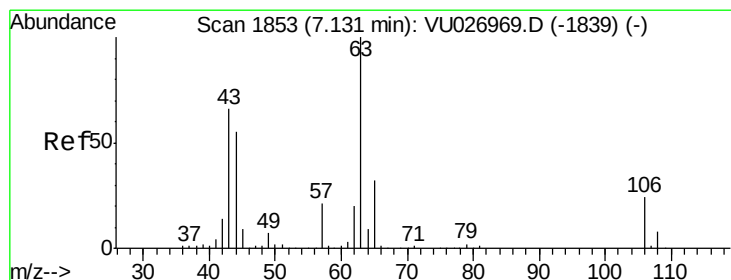
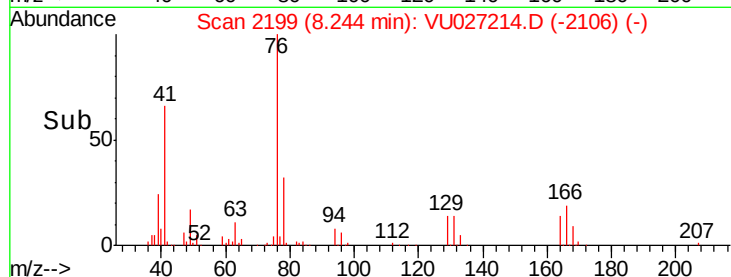
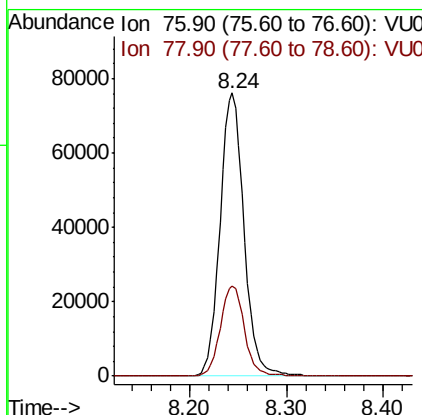
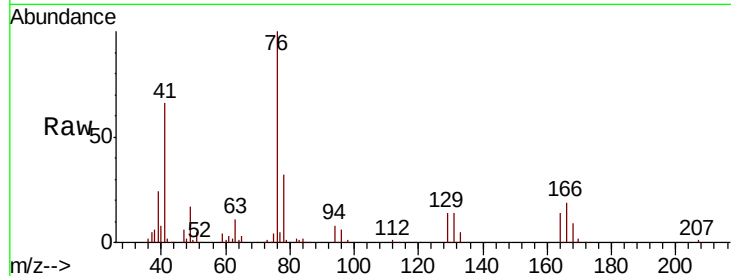
#57
 1,3-Dichloropropane
 Concen: 48.755 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	76	Resp	130870
Ion Ratio	Lower	Upper	
76	100		
78	32.0	25.5	38.3

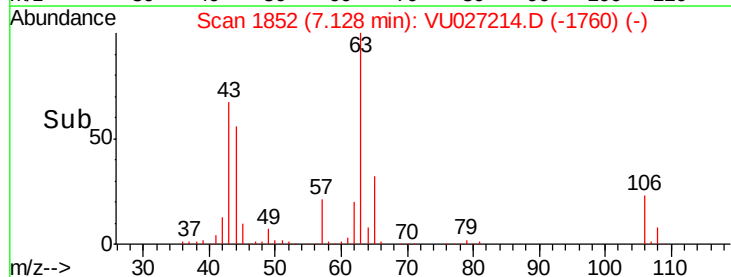
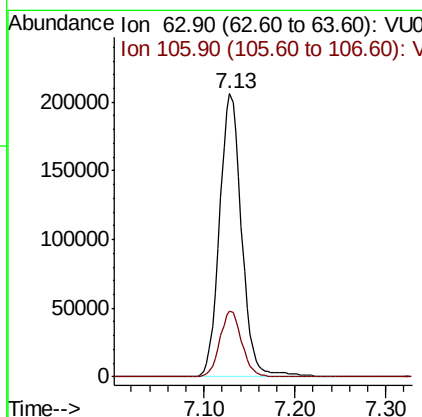
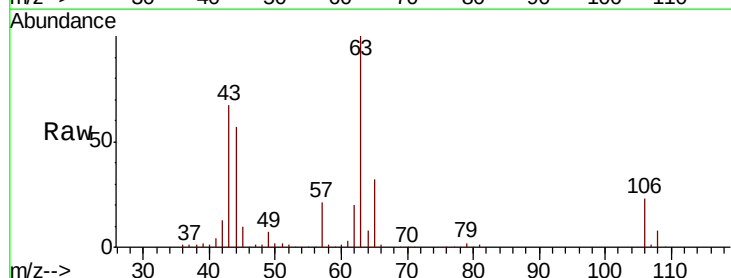
Manual Integrations
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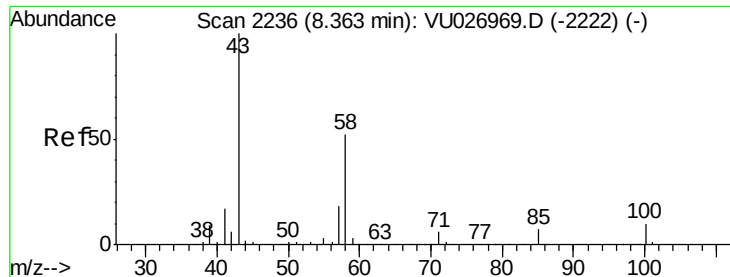
MMDadoda
 9/27/2018 3:33:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.526 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	63	Resp	348797
Ion Ratio	Lower	Upper	
63	100		
106	23.3	18.7	28.1





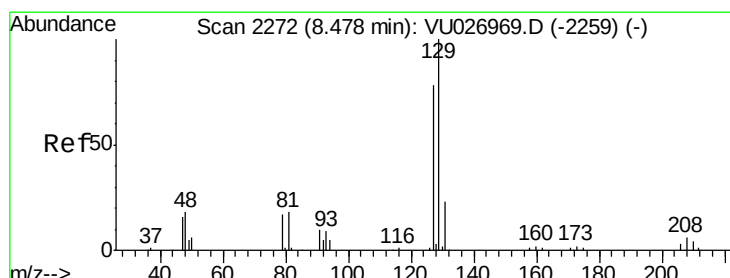
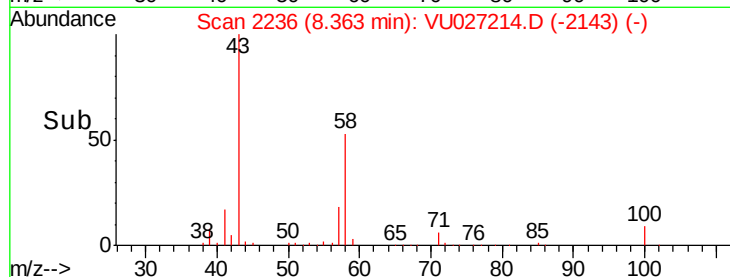
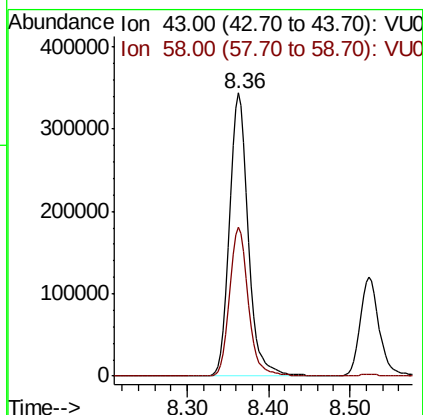
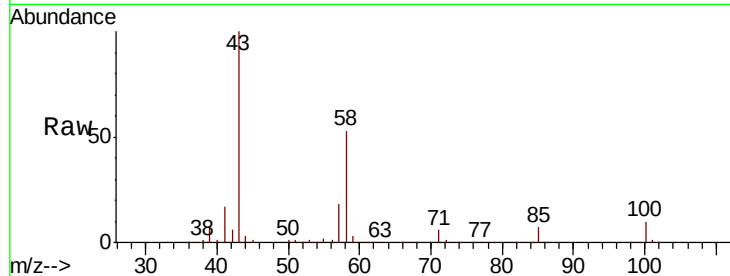
#59
2-Hexanone
Concen: 276.411 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 561560
Ion Ratio Lower Upper
43 100
58 52.5 26.1 78.2

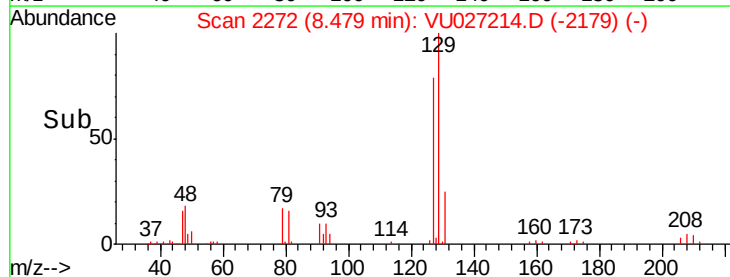
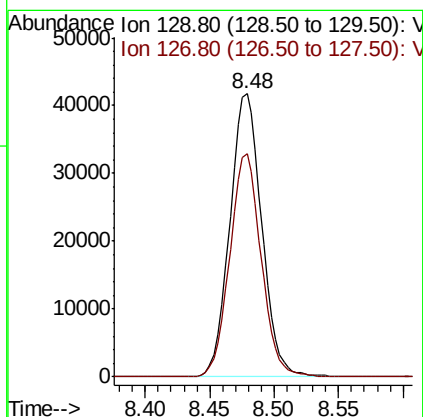
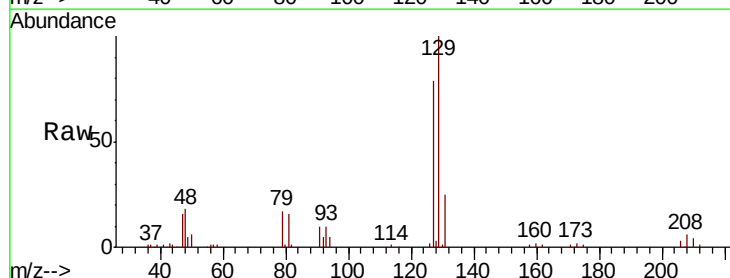
Manual Integrations
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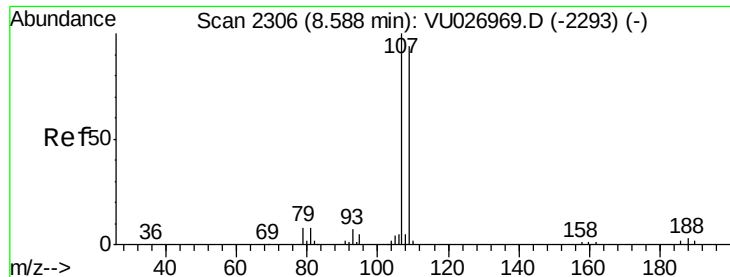
MMDadoda
9/27/2018 3:33:27 PM



#60
Dibromochloromethane
Concen: 50.615 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion: 129 Resp: 71652
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.5





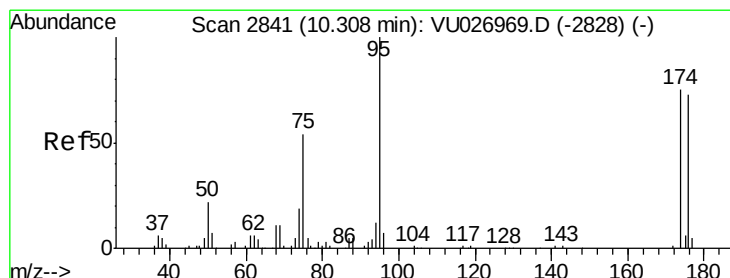
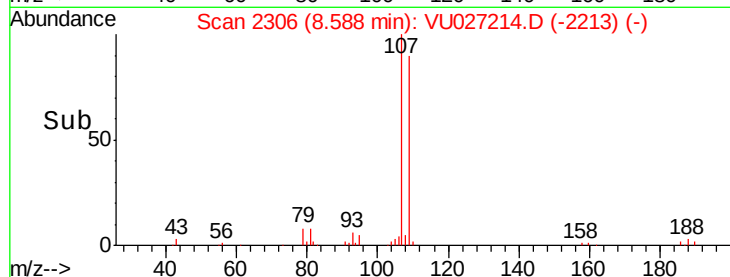
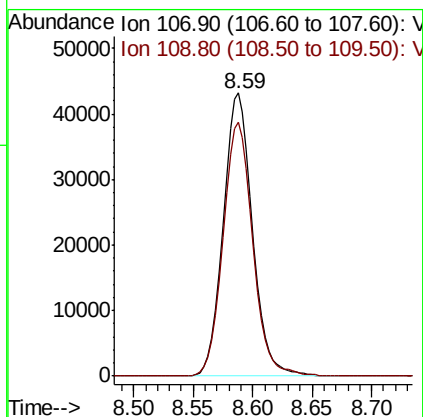
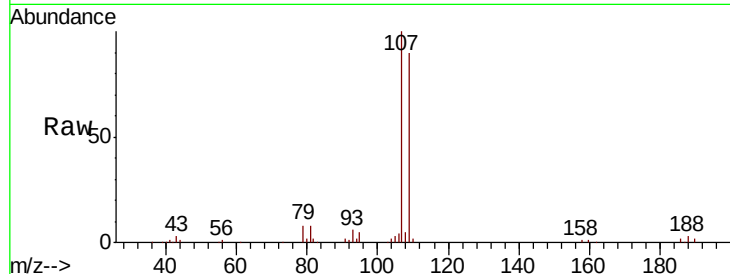
#61
 1,2-Dibromoethane
 Concen: 48.812 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.0	112.6

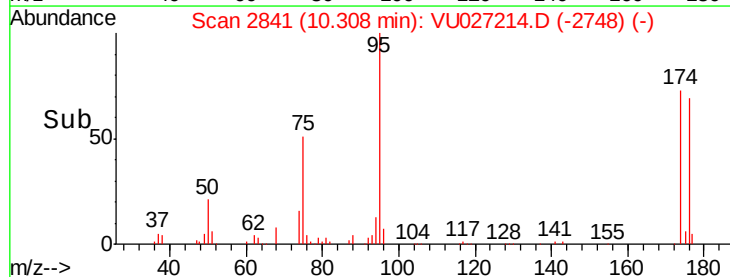
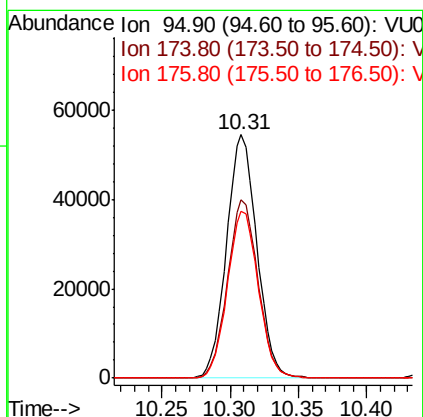
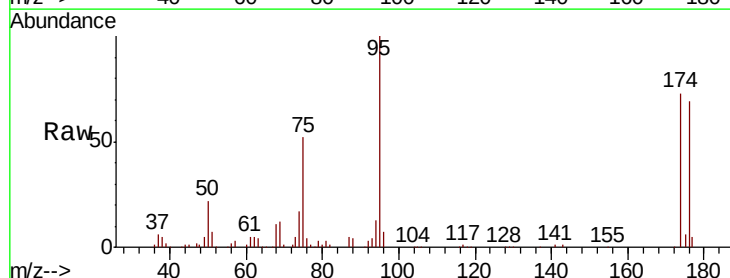
Manual Integrations
 APPROVED

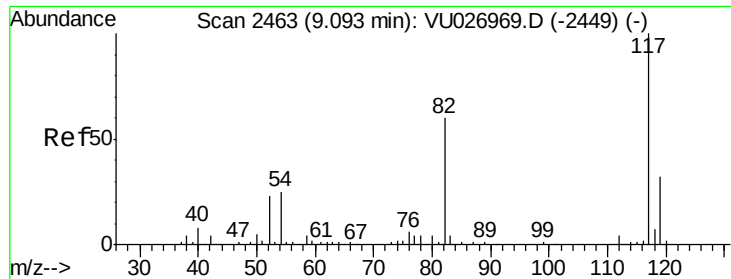
MMDadoda
 9/27/2018 3:33:27 PM



#62
 4-Bromofluorobenzene
 Concen: 50.899 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	150.2
176	69.8	0.0	145.2





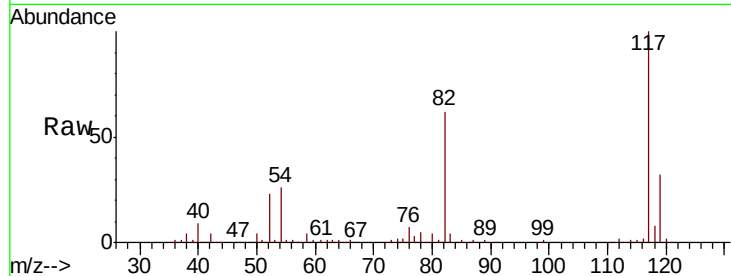
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.0	72.0
119	32.1	25.8	38.8

Manual Integrations
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MMDadoda
9/27/2018 3:33:27 PM

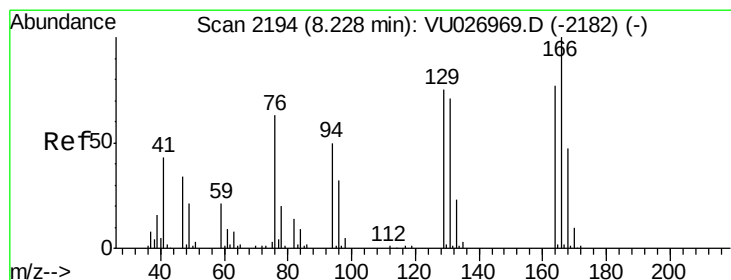
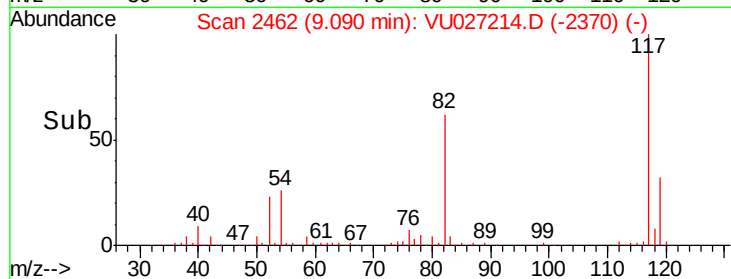
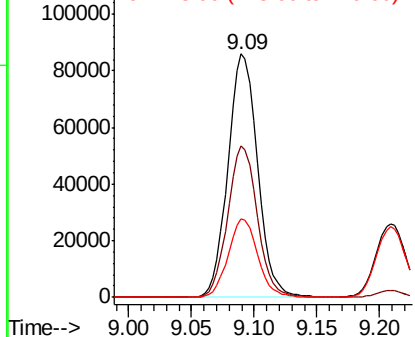


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.901 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.4	156.6
129	96.6	78.7	118.1
131	91.2	73.9	110.9

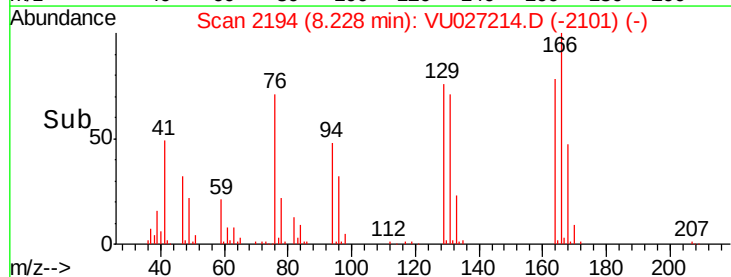
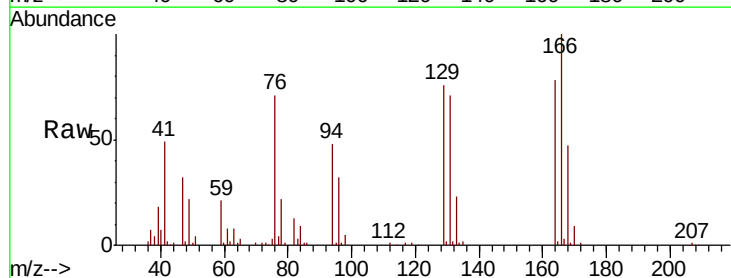
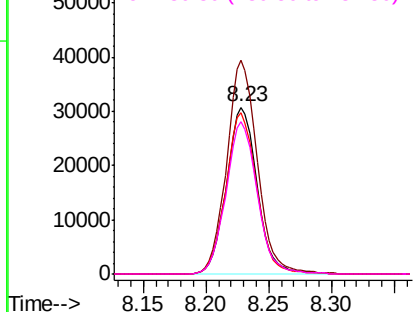
Abundance

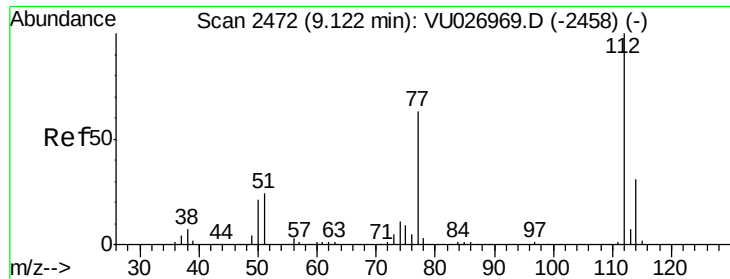
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





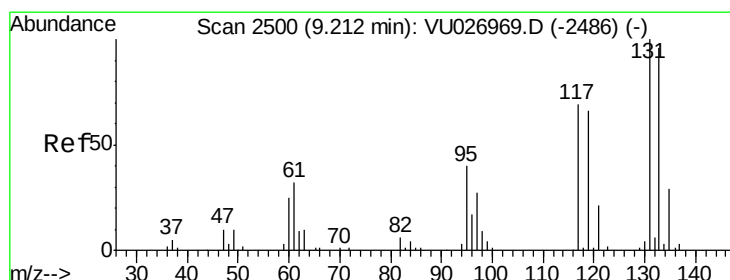
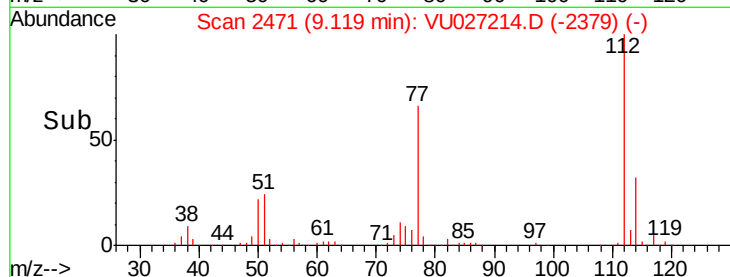
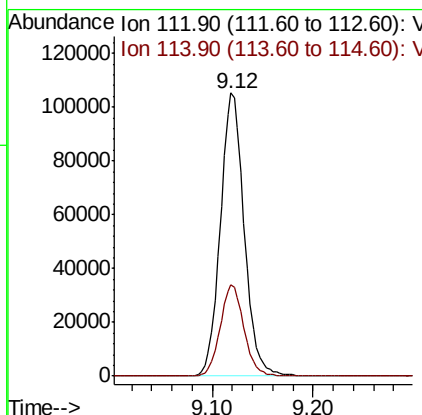
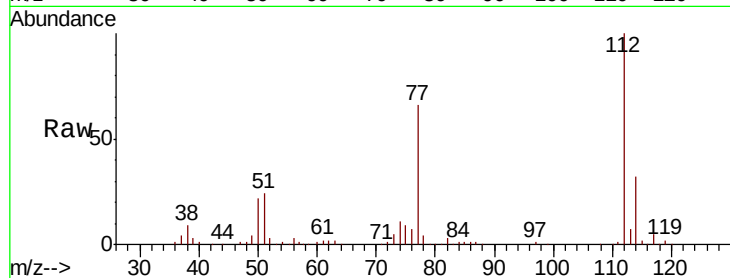
#65
Chlorobenzene
Concen: 46.460 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 173989
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

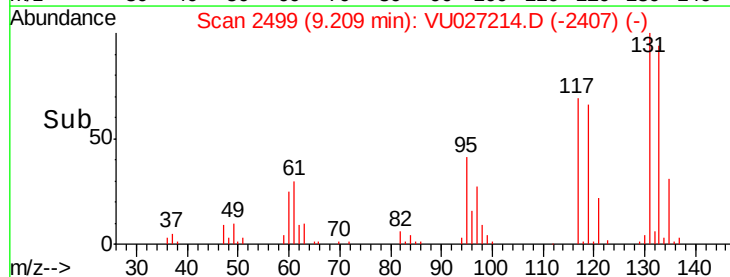
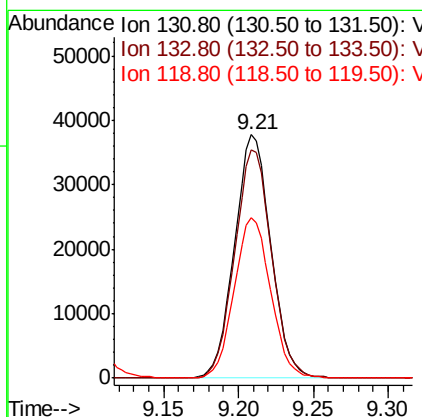
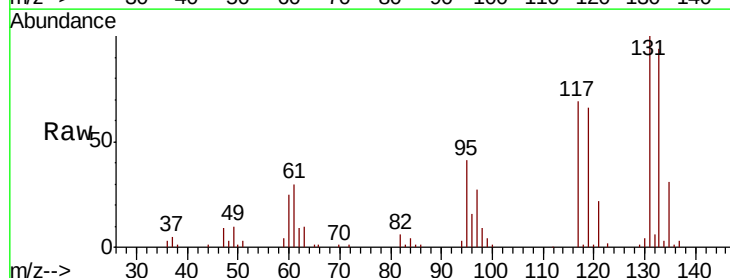
Manual Integrations
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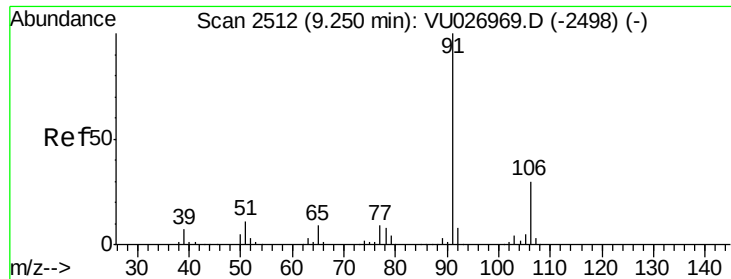
MMDadoda
9/27/2018 3:33:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.498 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion:131 Resp: 63847
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.2
119 66.1 33.4 100.1





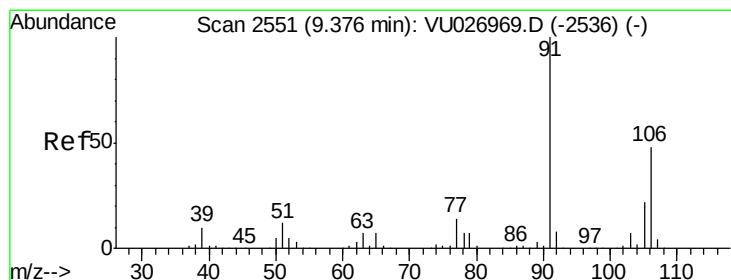
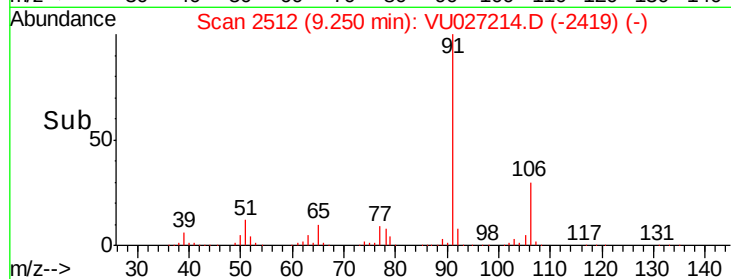
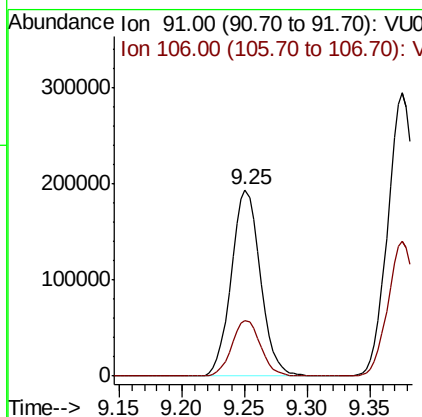
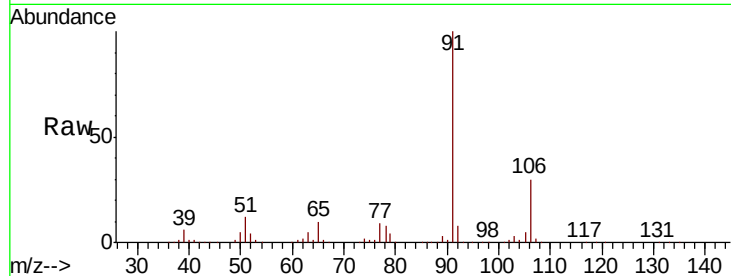
#67
Ethyl Benzene
Concen: 50.739 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 312460
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

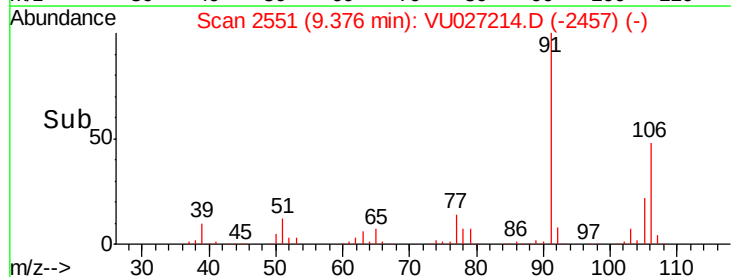
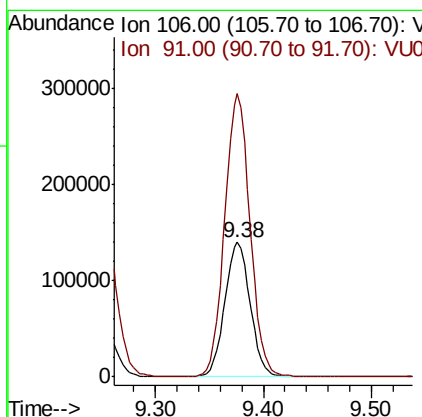
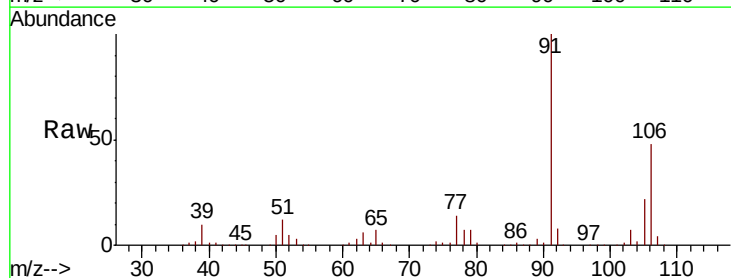
Manual Integrations
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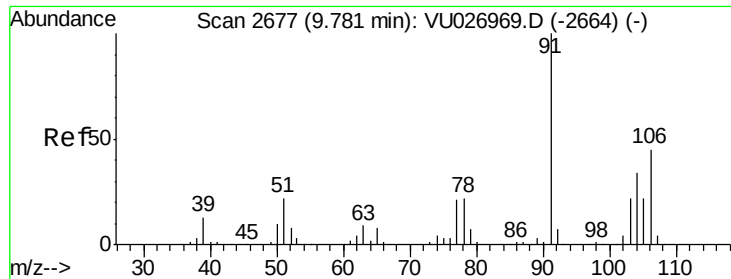
MMDadoda
9/27/2018 3:33:27 PM



#68
m/p-Xylenes
Concen: 92.243 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion: 106 Resp: 229755
Ion Ratio Lower Upper
106 100
91 209.5 166.5 249.7





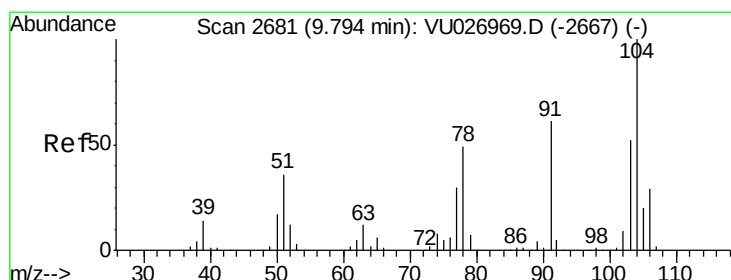
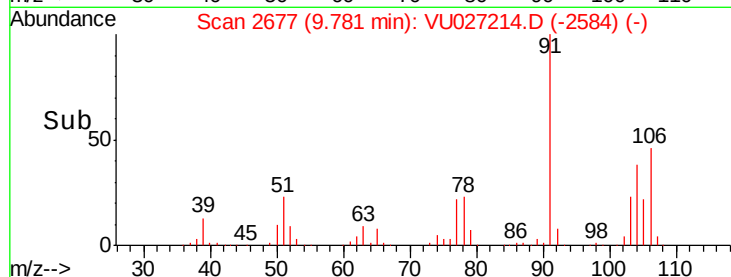
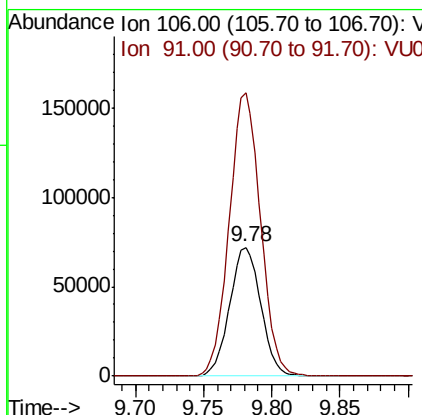
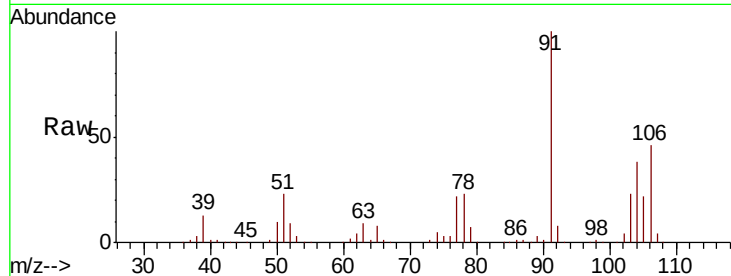
#69
o-Xylene
Concen: 52.359 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 114242
Ion Ratio Lower Upper
106 100
91 220.8 110.2 330.6

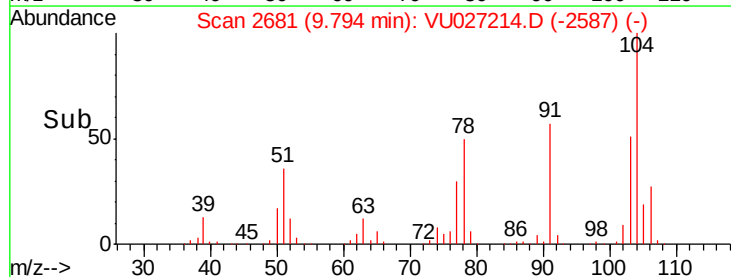
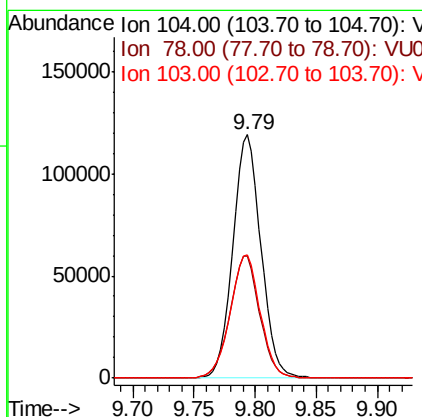
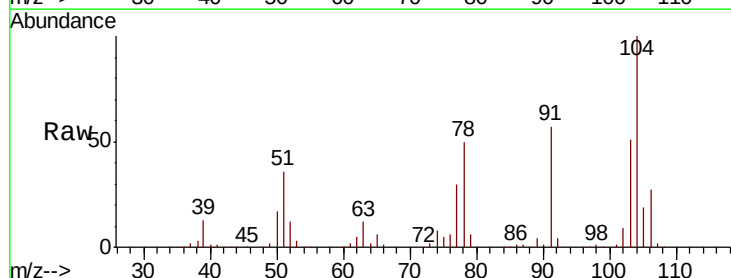
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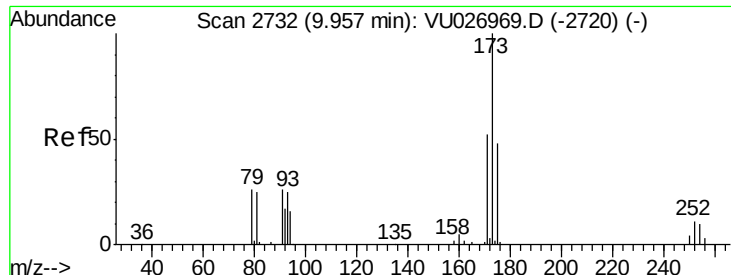
MMDadoda
9/27/2018 3:33:27 PM



#70
Styrene
Concen: 46.996 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion:104 Resp: 191003
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.4
103 54.1 44.1 66.1





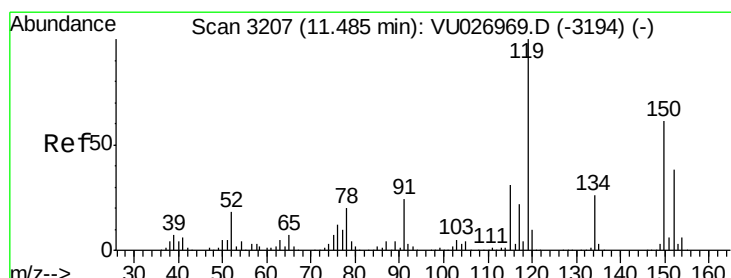
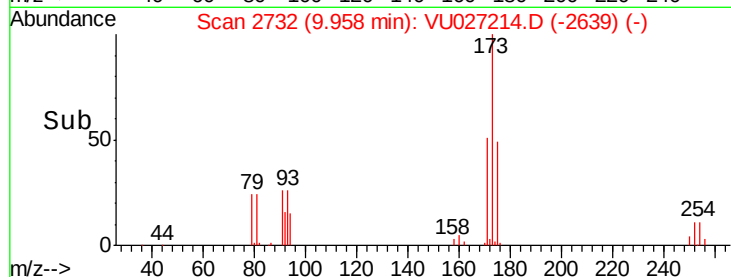
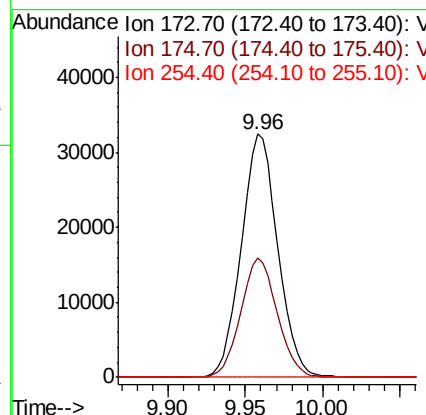
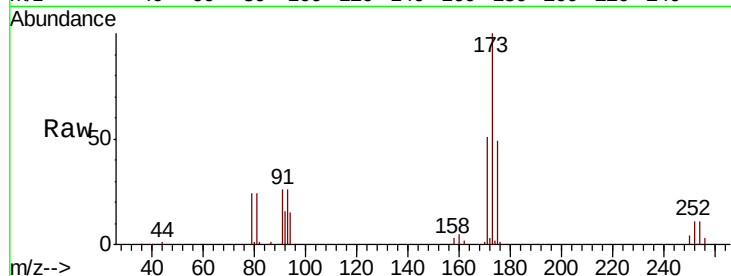
#71
Bromoform
Concen: 53.224 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.9	71.8
254	0.0	0.0	0.0

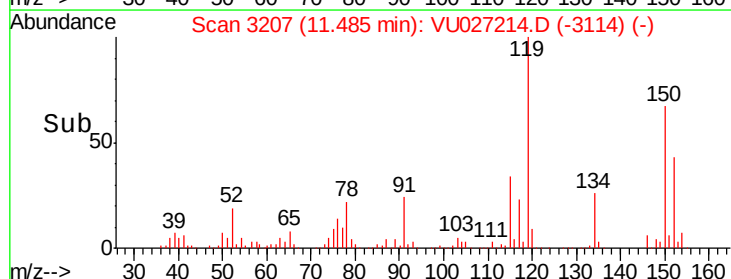
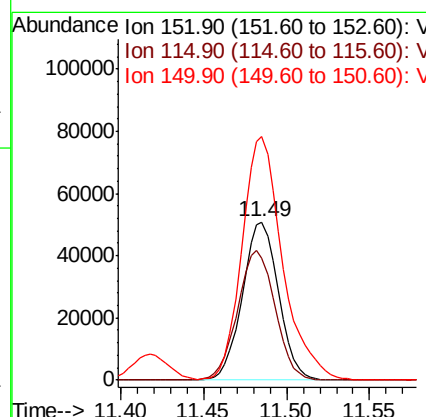
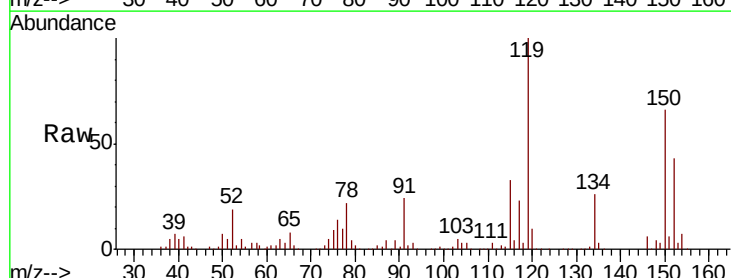
Manual Integrations
APPROVED

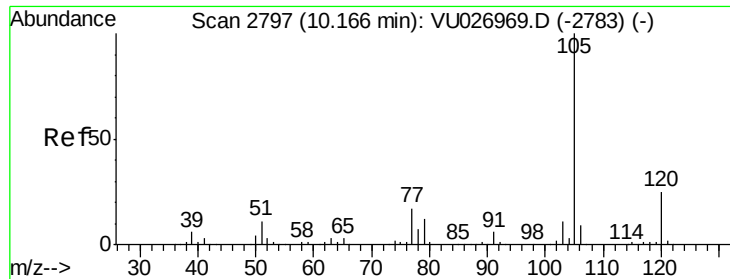
MMDadoda
9/27/2018 3:33:27 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.0	44.9	134.5
150	173.8	0.0	355.8





#73

Isopropylbenzene

Concen: 52.246 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 304590

Ion Ratio Lower Upper

105 100

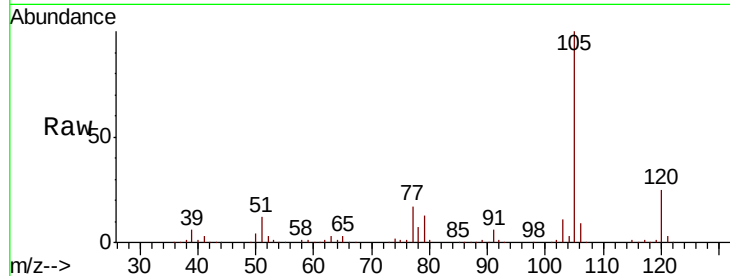
120 25.5 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

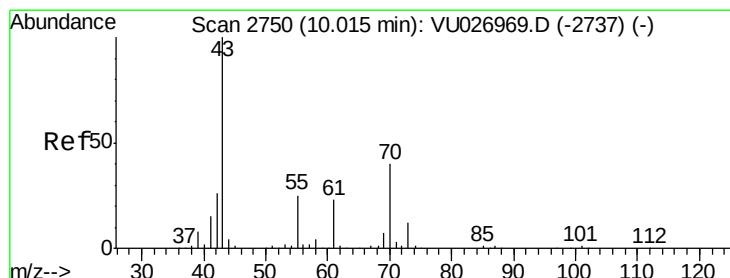
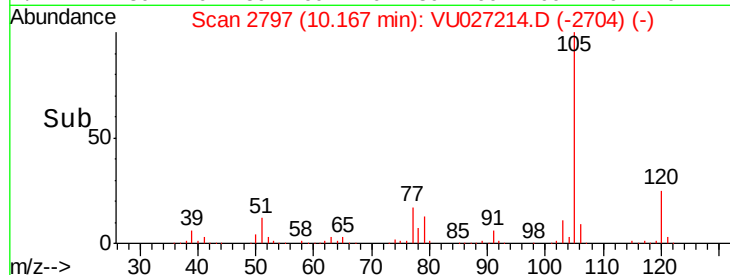
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 57.558 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Tgt Ion: 43 Resp: 194236

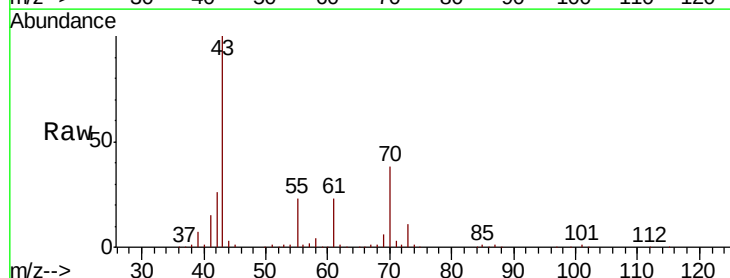
Ion Ratio Lower Upper

43 100

70 38.4 31.8 47.8

55 23.5 19.9 29.9

61 22.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

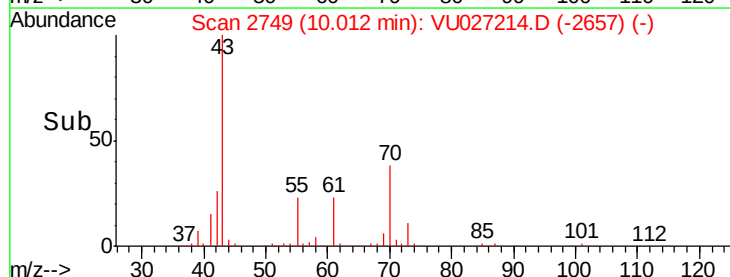
50000

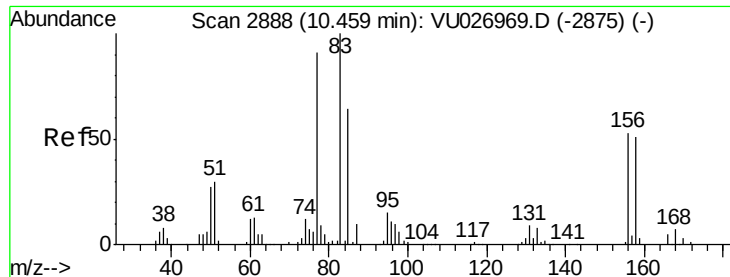
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.583 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

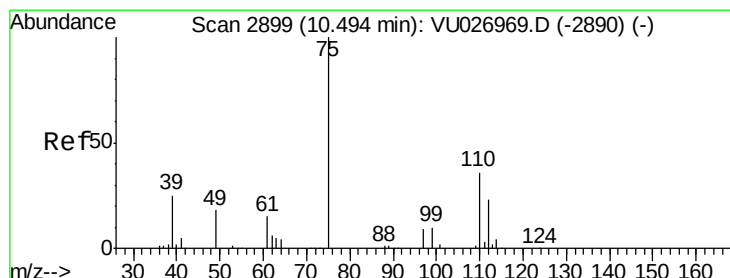
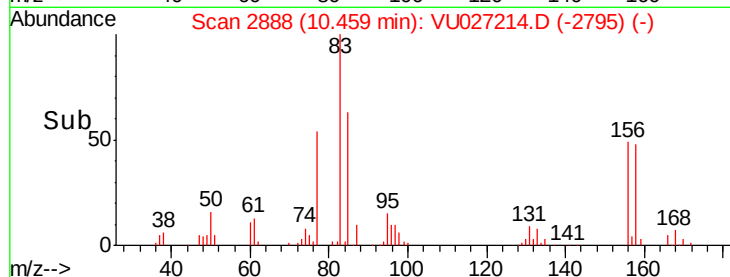
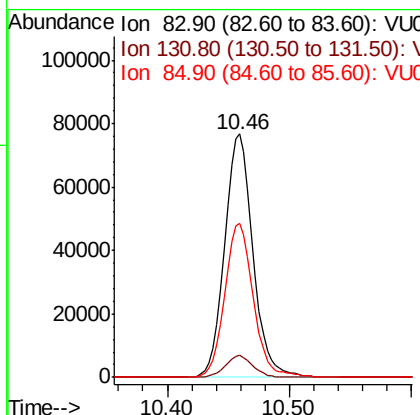
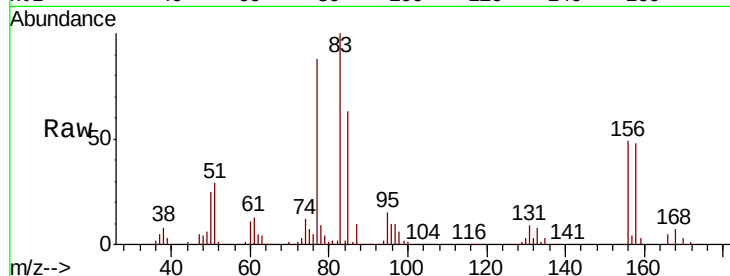
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124863
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	12.8
85	63.9	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.484 ug/l m

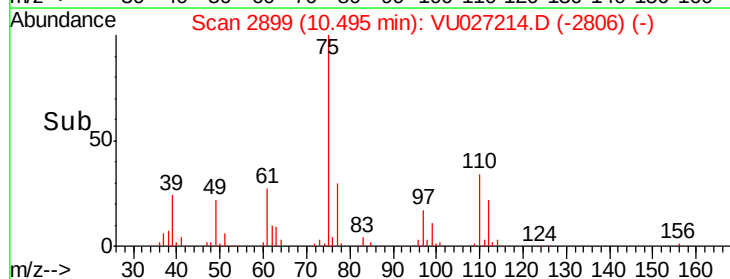
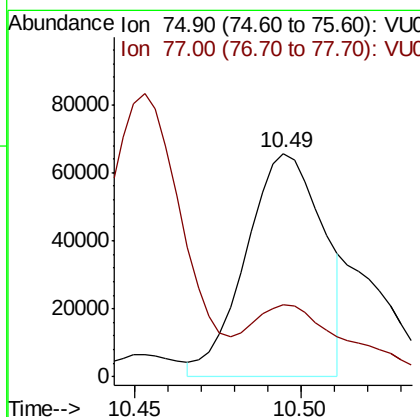
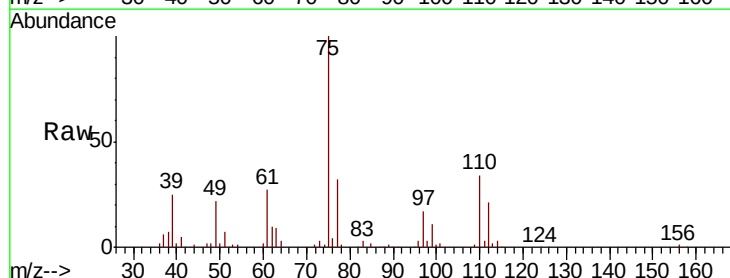
RT: 10.49 min Scan# 2899

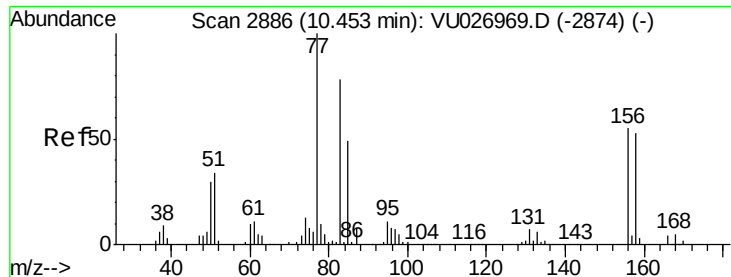
Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Tgt Ion:	75	Resp:	105900
Ion Ratio	Lower	Upper	
75	100		
77	41.7	20.9	62.8





#77

Bromobenzene

Concen: 49.466 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 70472

Ion Ratio Lower Upper

156 100

77 190.2 92.3 276.9

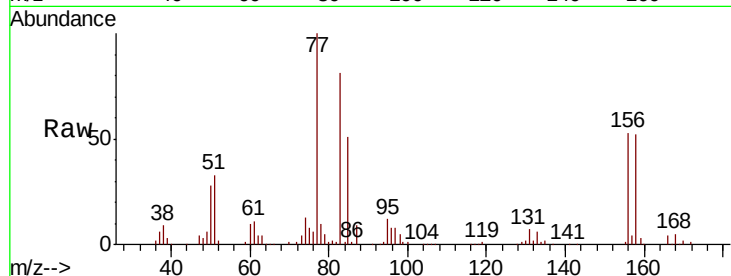
158 98.1 48.1 144.3

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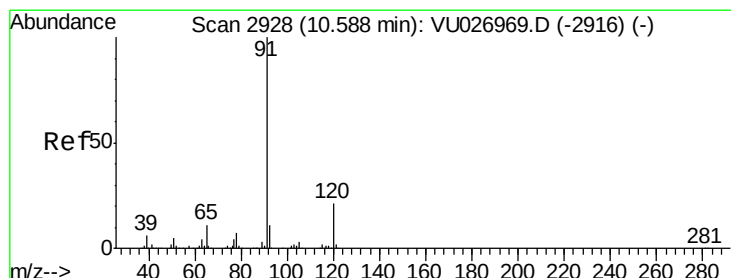
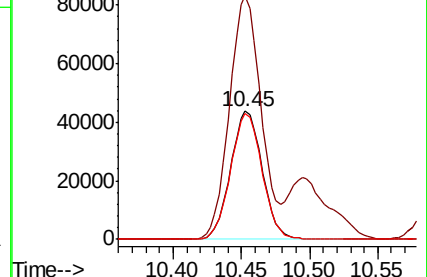
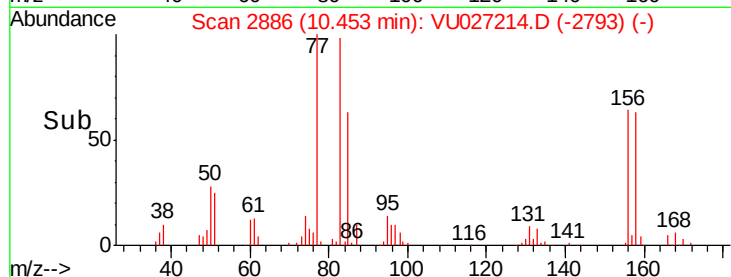
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.614 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027214.D

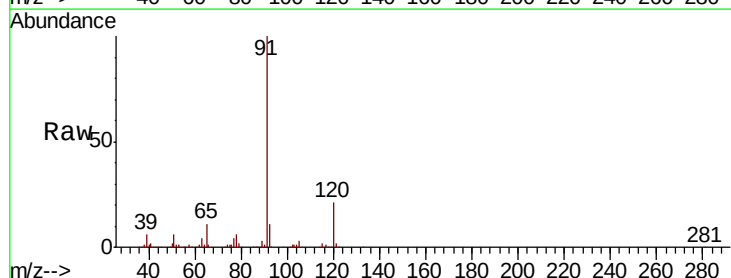
Acq: 27 Sep 2018 06:13

Tgt Ion: 91 Resp: 362938

Ion Ratio Lower Upper

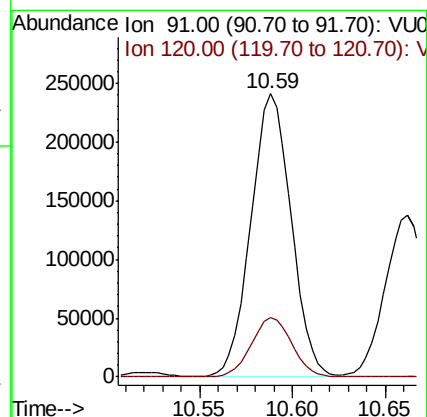
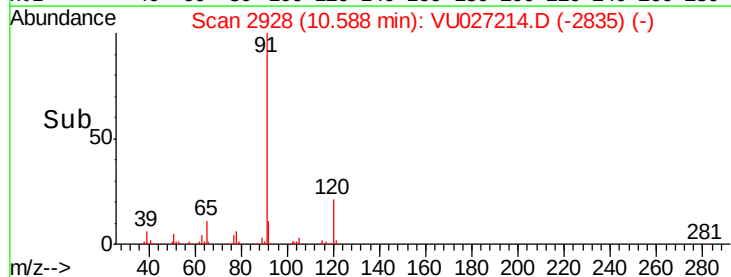
91 100

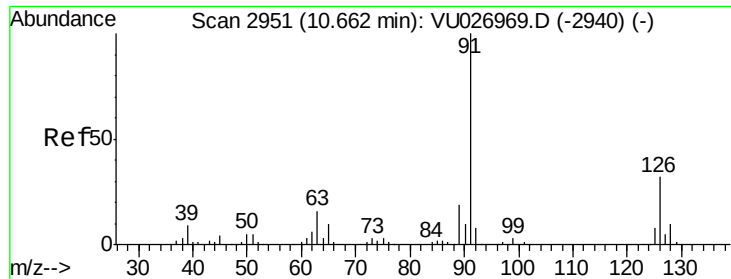
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.170 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027214.D

Acq: 27 Sep 2018 06:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 217384

Ion Ratio Lower Upper

91 100

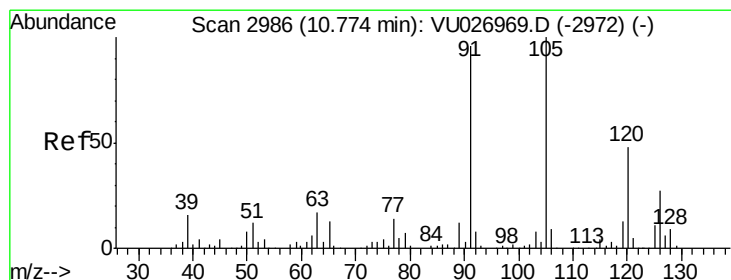
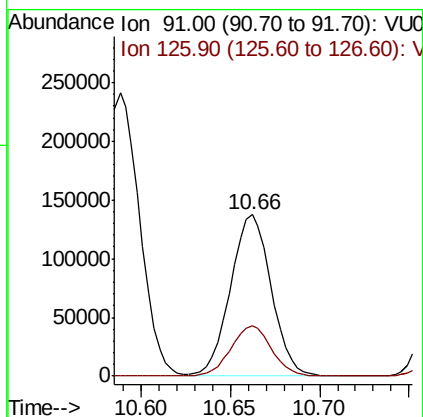
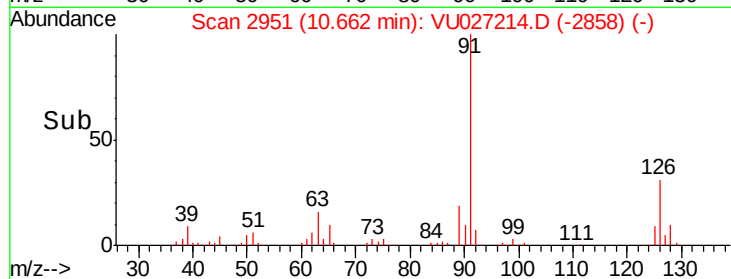
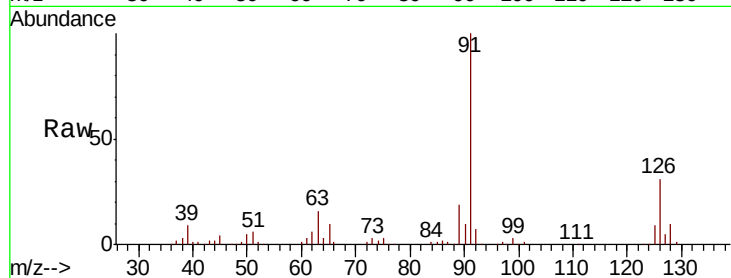
126 31.4 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.406 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027214.D

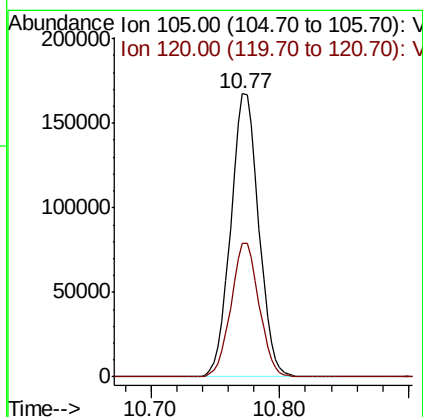
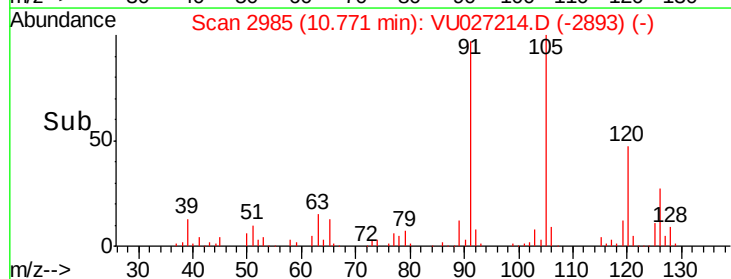
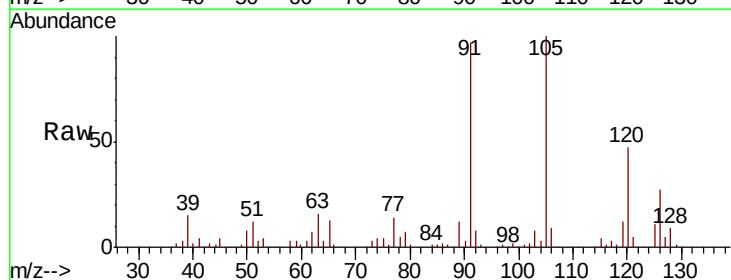
Acq: 27 Sep 2018 06:13

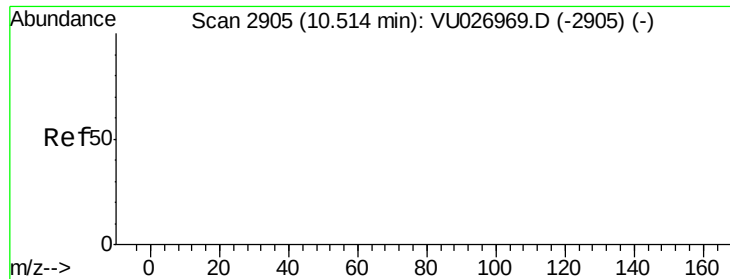
Tgt Ion: 105 Resp: 252204

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7





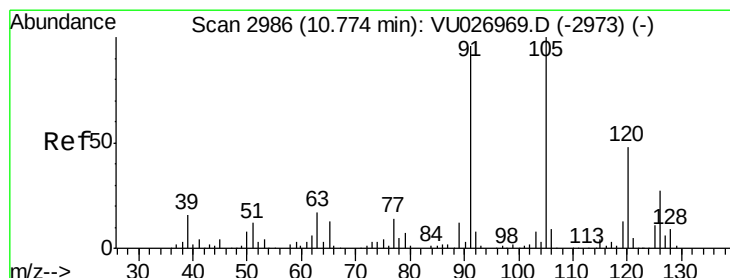
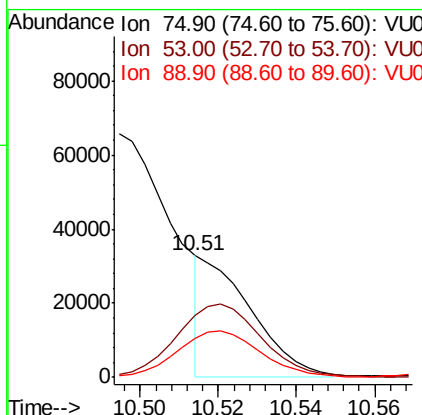
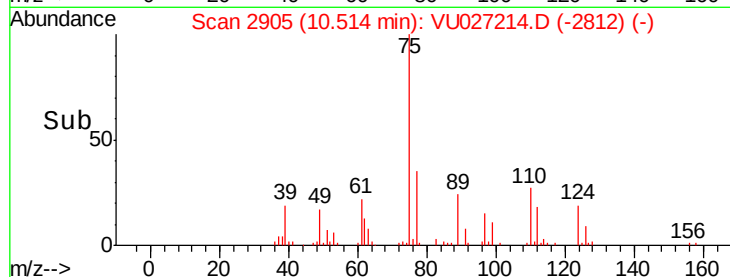
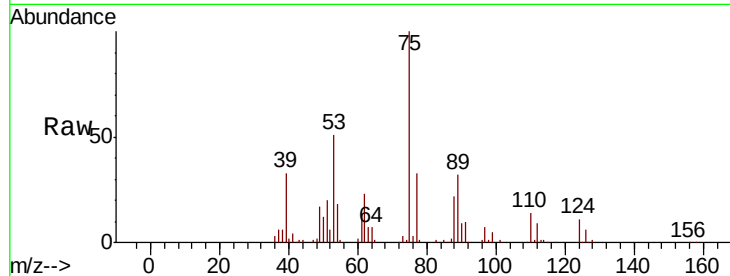
#81
trans-1,4-Dichloro-2-butene
Concen: 39.347 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

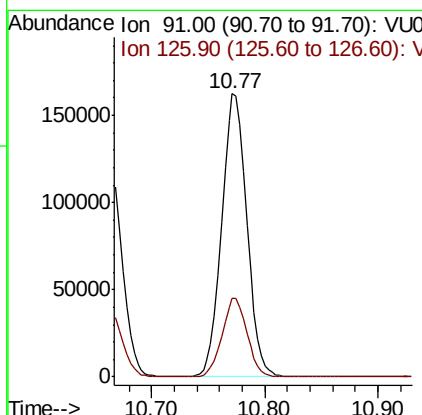
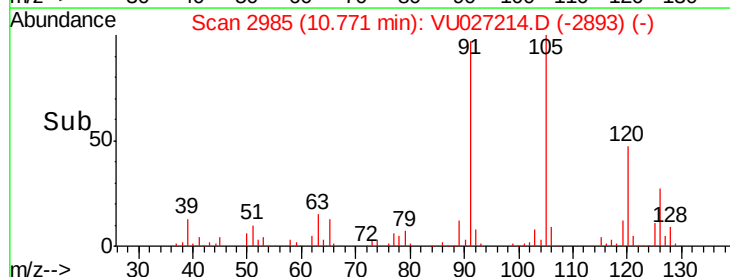
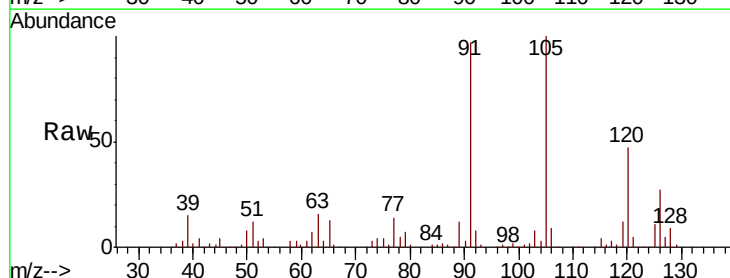
Manual Integrations
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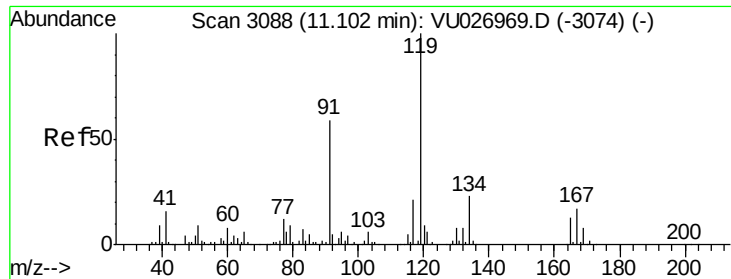
MMDadoda
9/27/2018 3:33:27 PM



#82
4-Chlorotoluene
Concen: 51.614 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.2





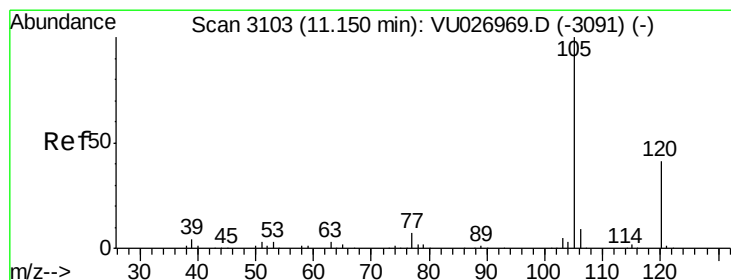
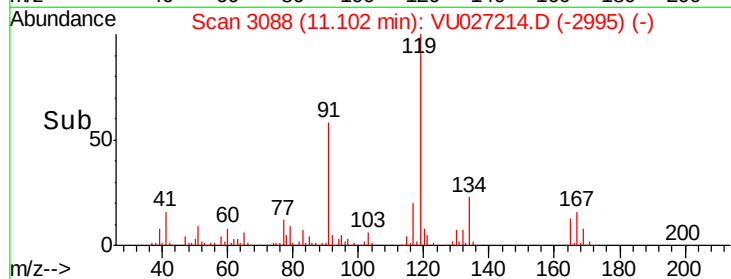
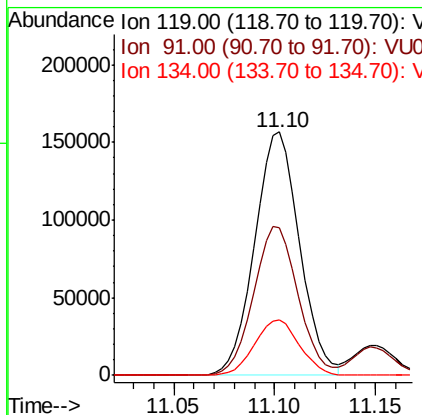
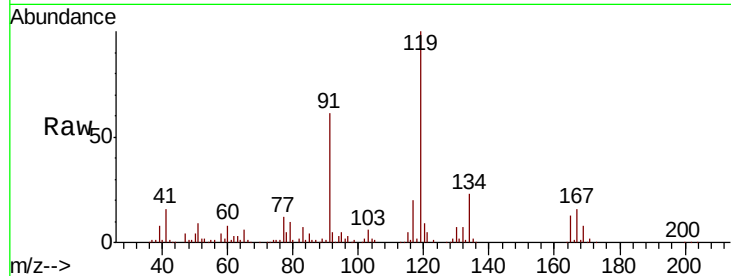
#83
 tert-Butylbenzene
 Concen: 51.150 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243365		
91	60.7	29.8	89.4	
134	22.8	11.5	34.4	

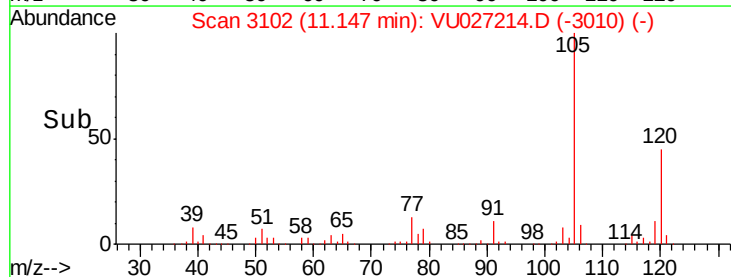
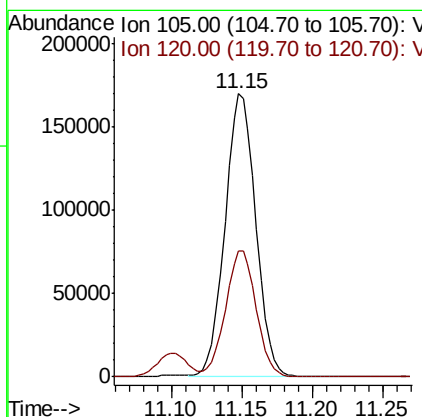
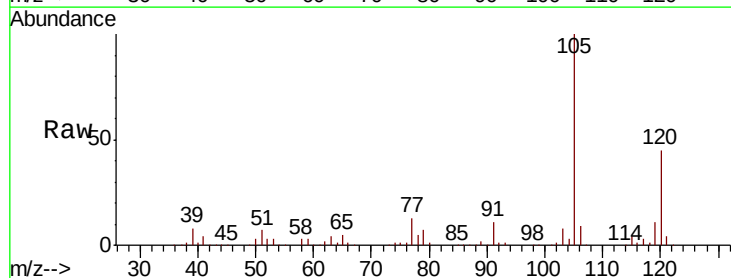
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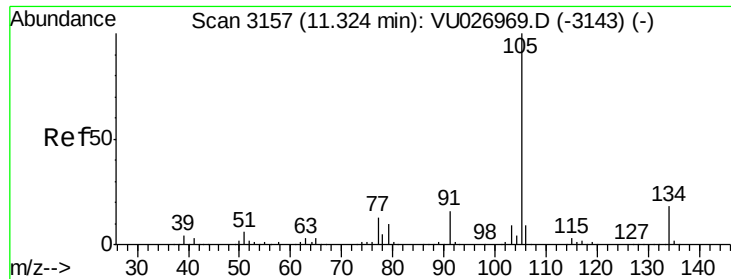
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.565 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257440		
120	44.4	22.4	67.2	





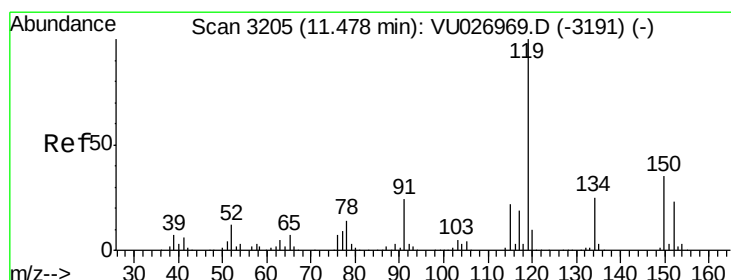
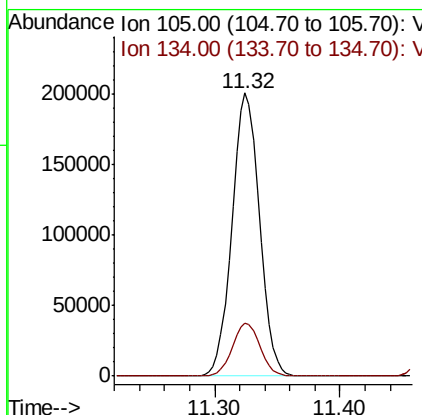
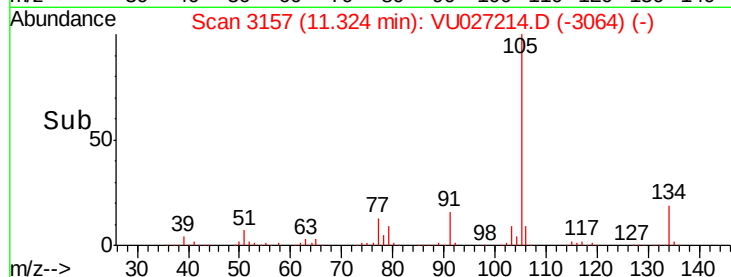
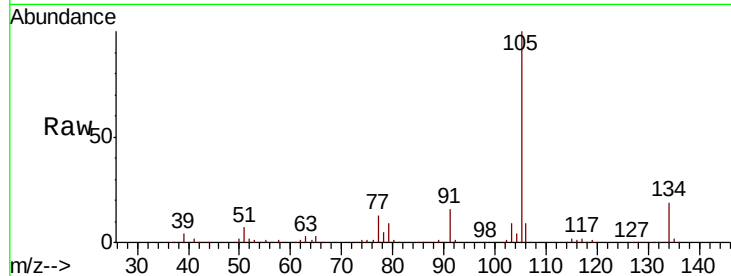
#85
 sec-Butylbenzene
 Concen: 52.544 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.2

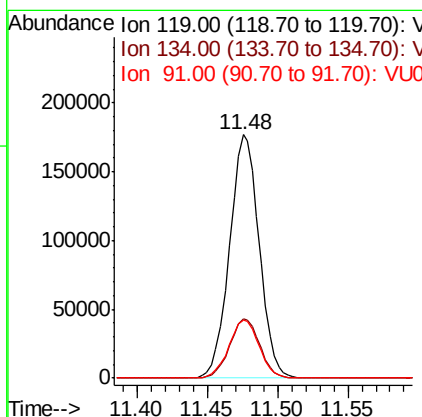
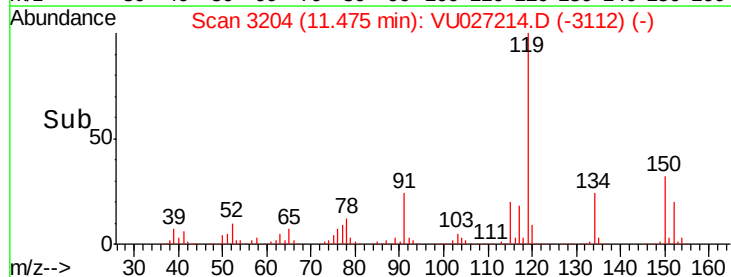
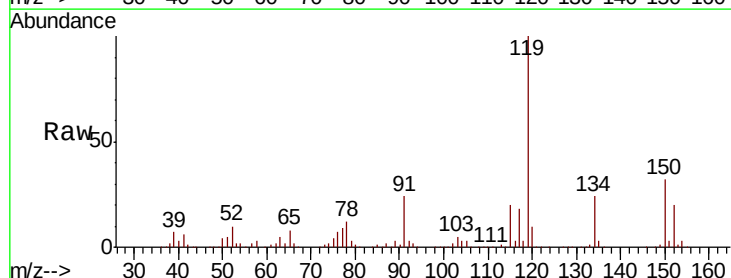
Manual Integrations
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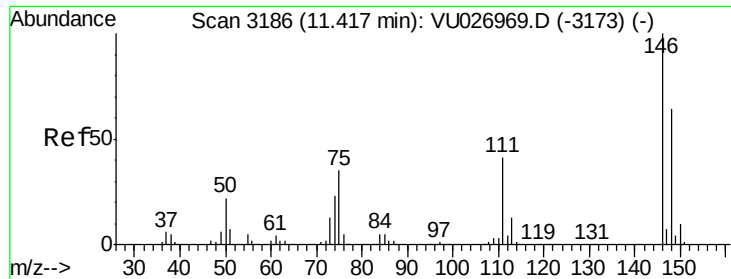
MMDadoda
 9/27/2018 3:33:27 PM



#86
 p-Isopropyltoluene
 Concen: 47.654 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.8	38.3
91	24.5	12.3	36.8





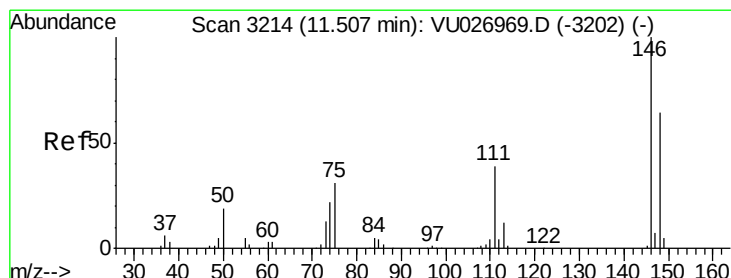
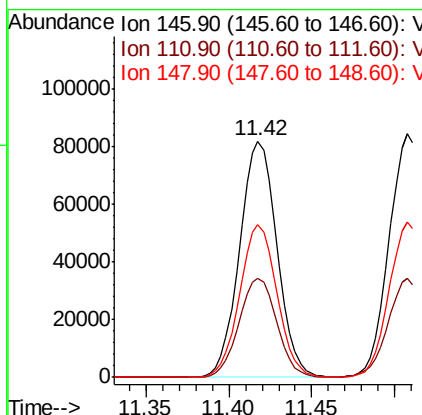
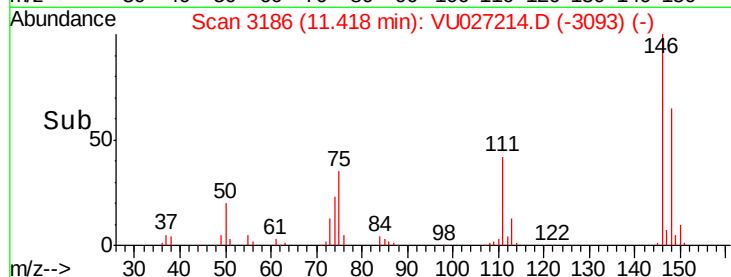
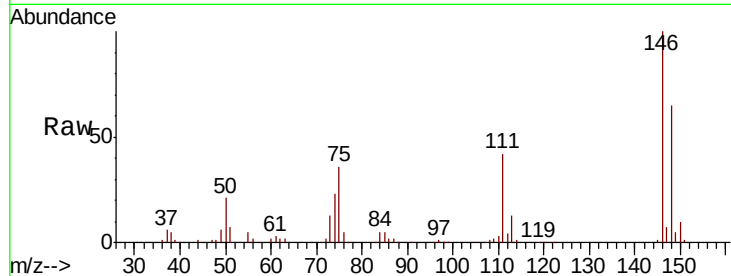
#87
 1,3-Dichlorobenzene
 Concen: 48.577 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.2
148	64.4	32.0	96.2

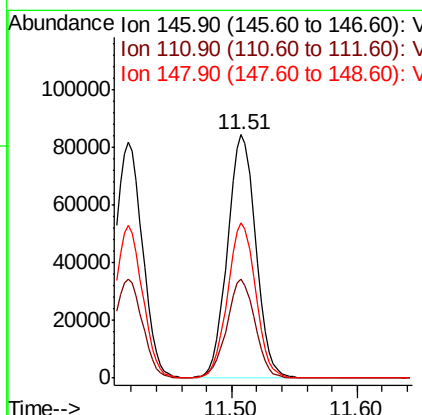
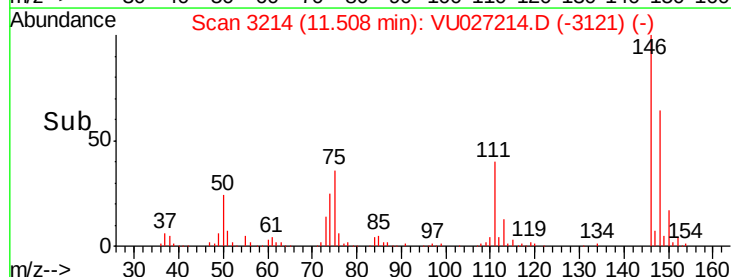
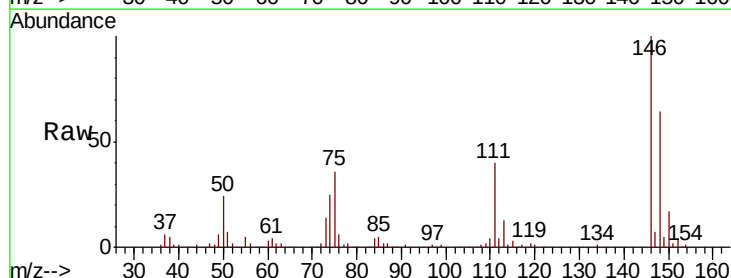
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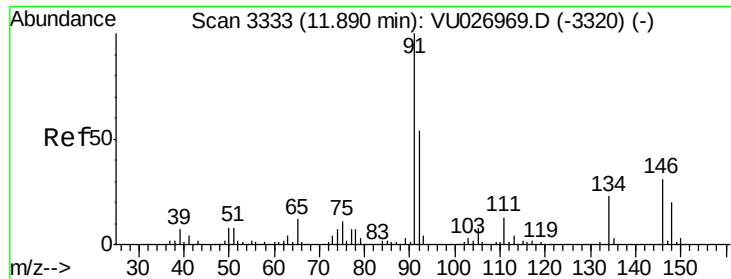
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#88
 1,4-Dichlorobenzene
 Concen: 45.753 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.3	31.9	95.9





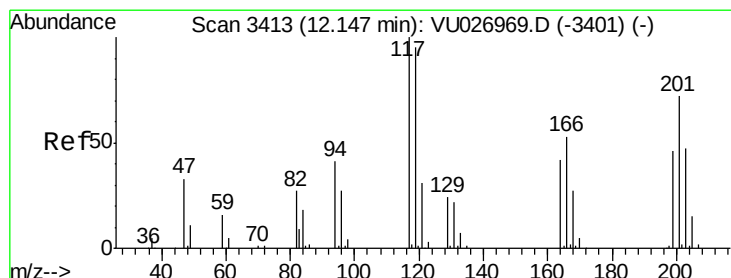
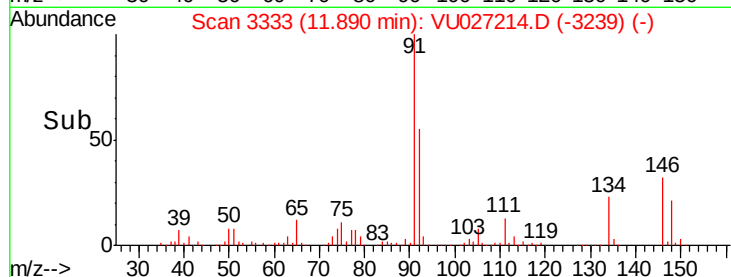
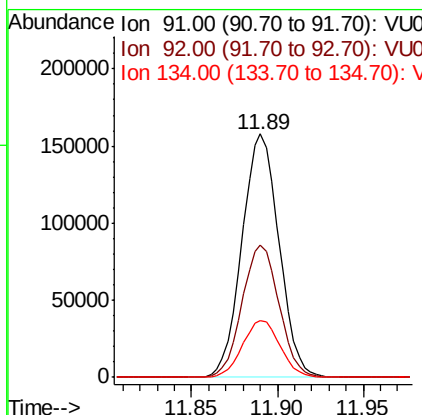
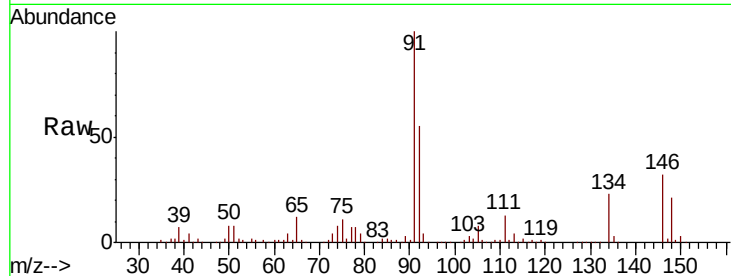
#89
n-Butylbenzene
Concen: 44.978 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	23.6	11.7	35.0

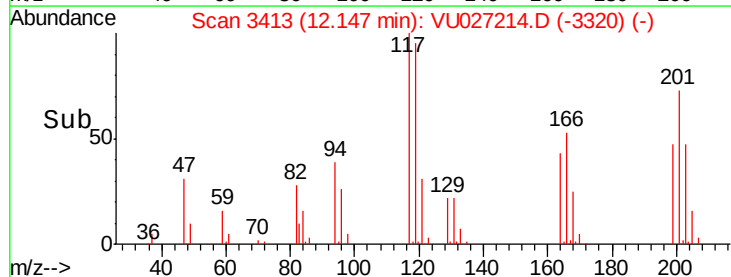
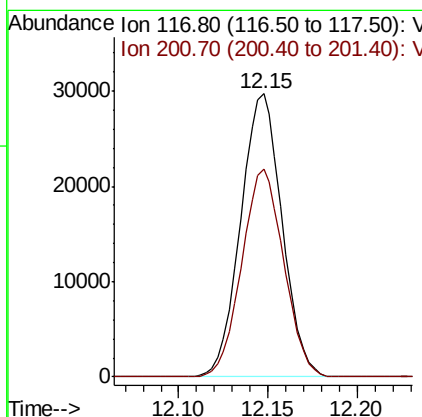
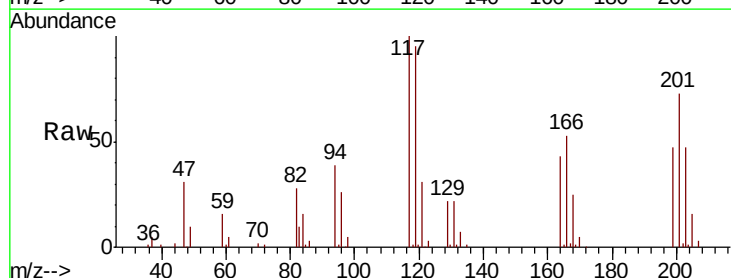
Manual Integrations
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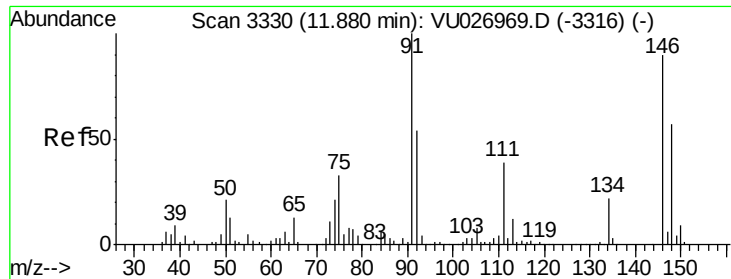
MMDadoda
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#90
Hexachloroethane
Concen: 45.622 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	36.8	110.3





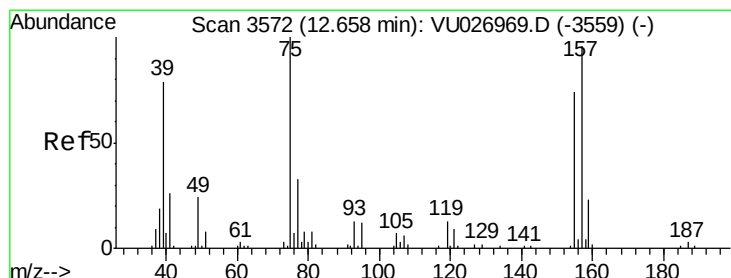
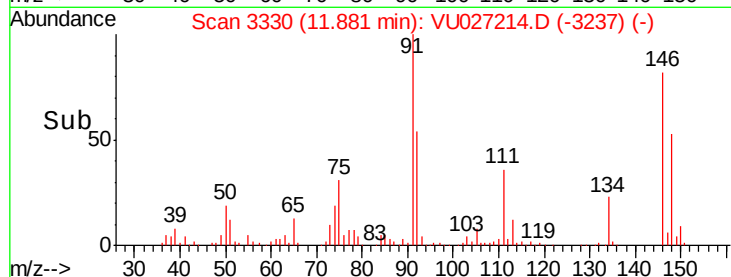
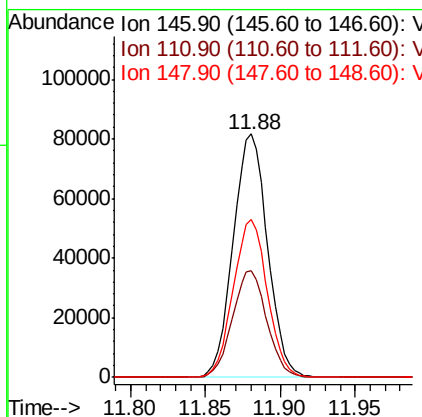
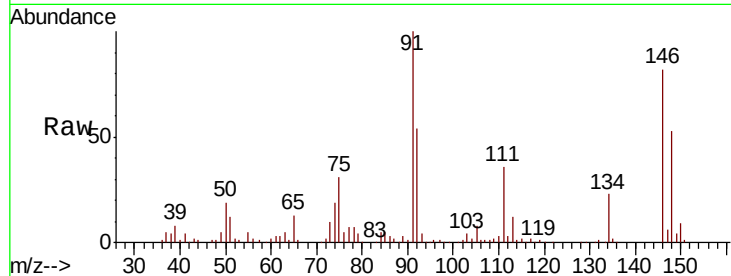
#91
 1,2-Dichlorobenzene
 Concen: 46.400 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	64.5	31.9	95.7

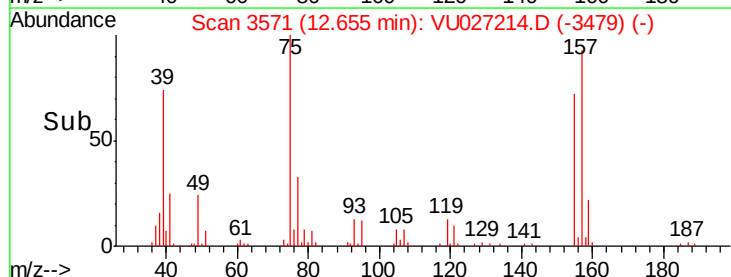
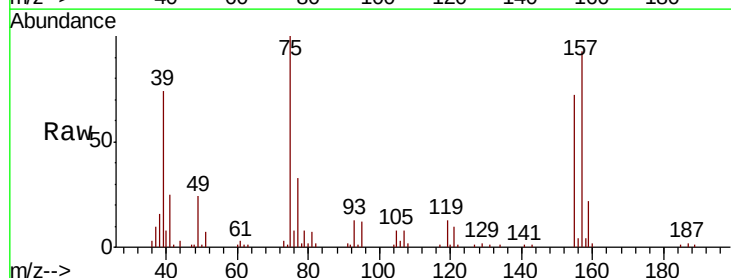
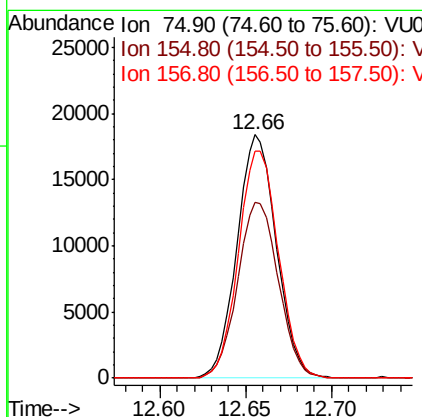
Manual Integrations
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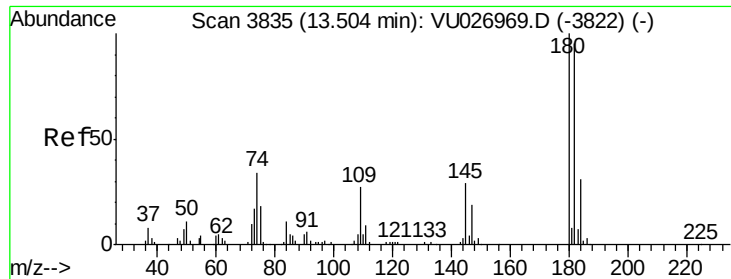
MMDadoda
 9/27/2018 3:33:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.475 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	36.6	109.8
157	94.7	47.4	142.2





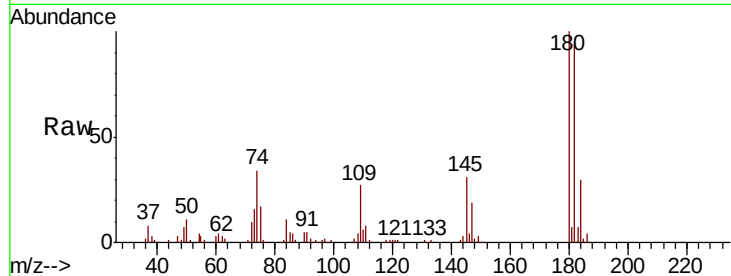
#93
 1,2,4-Trichlorobenzene
 Concen: 52.645 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	30.3	14.9	44.5

Manual Integrations
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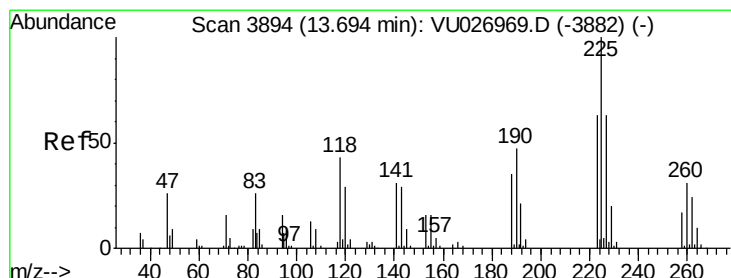
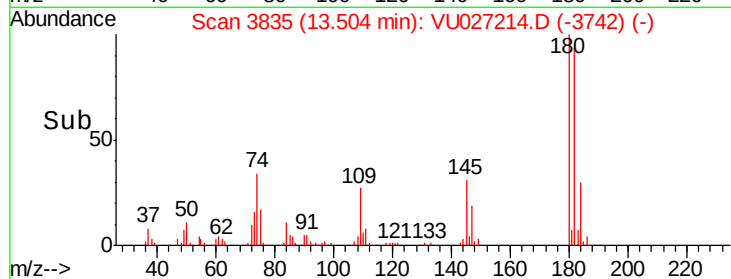
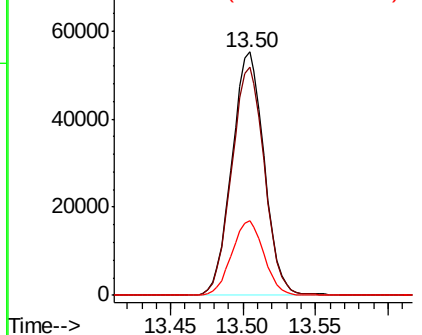


Abundance

Ion 179.80 (179.50 to 180.50): V

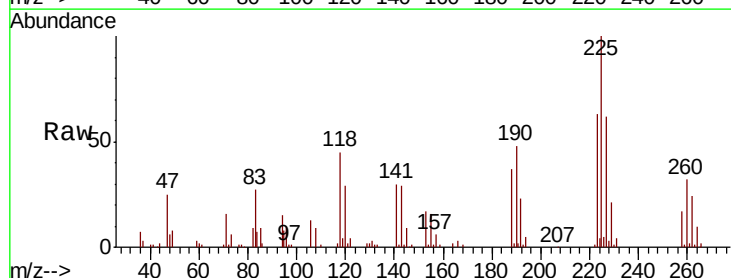
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.272 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027214.D
 Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	63.8	32.1	96.5

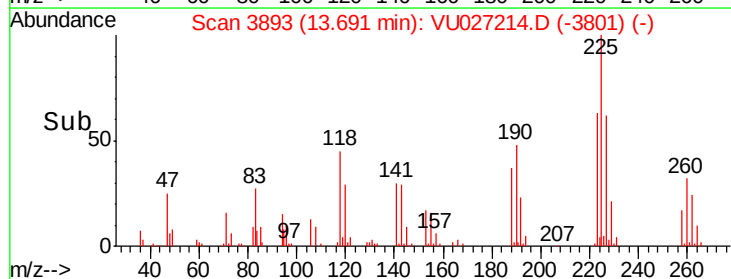
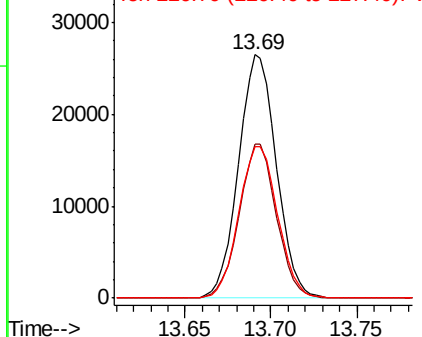


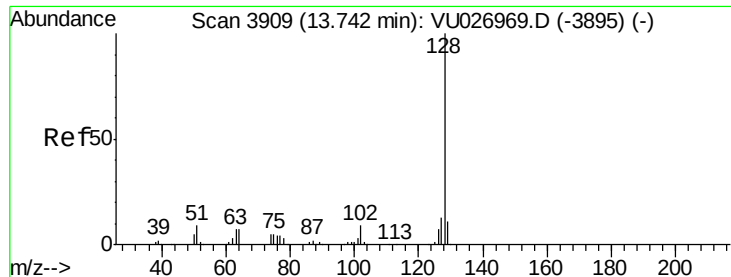
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





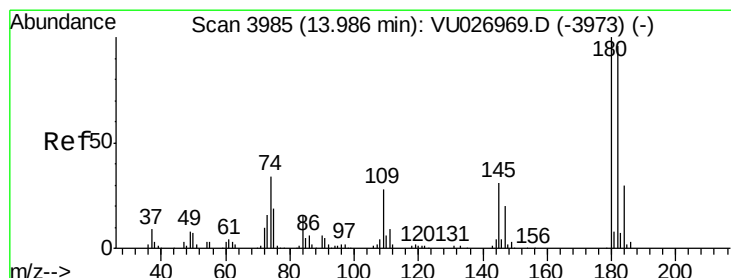
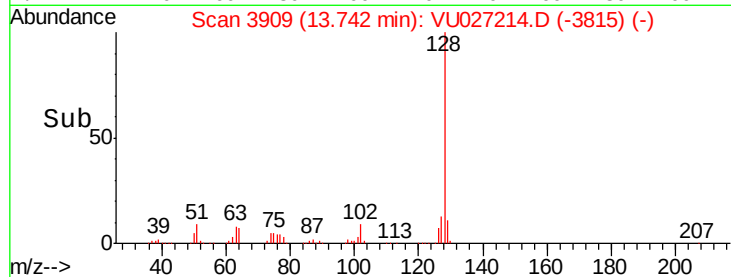
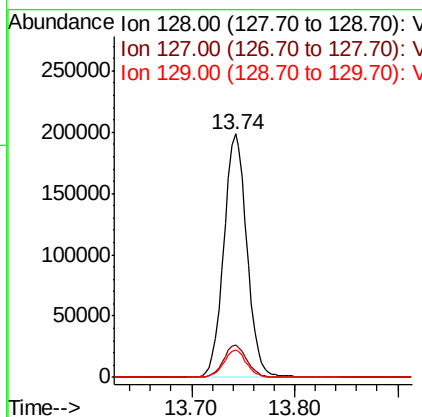
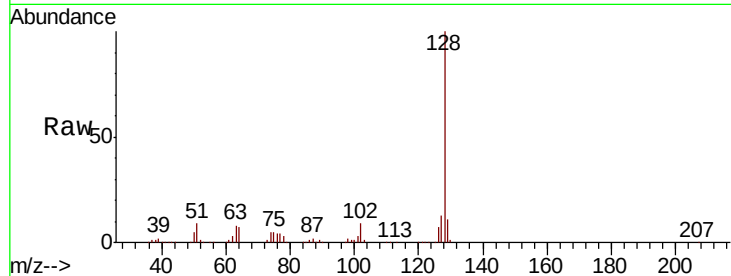
#95
Naphthalene
Concen: 48.966 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.649 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027214.D
Acq: 27 Sep 2018 06:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	32.4	15.4	46.4

