

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027368.D
 Acq On : 03 Oct 2018 20:19
 Operator : MD/SY
 Sample : VU1004WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:28 PM

Quant Time: Oct 04 00:16:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	105059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	180962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81143	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	87672	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	4.89	113	61896	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	7.57	98	231105	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	10.31	95	79965	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	32427	21.409	ug/l	96
3) Chloromethane	1.33	50	41690	20.330	ug/l	99
4) Vinyl Chloride	1.40	62	39388	20.433	ug/l	99
5) Bromomethane	1.62	94	19414	23.276	ug/l	96
6) Chloroethane	1.70	64	23099	19.942	ug/l	99
7) Trichlorofluoromethane	1.89	101	42043	21.496	ug/l	98
8) Diethyl Ether	2.11	74	17687	19.631	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24469	21.542	ug/l	99
10) Methyl Iodide	2.41	142	28362	32.110	ug/l	100
11) Tert butyl alcohol	2.83	59	35760	96.799	ug/l	99
12) 1,1-Dichloroethene	2.29	96	22579	20.346	ug/l	98
13) Acrolein	2.20	56	13262	42.782	ug/l	99
14) Allyl chloride	2.59	41	50808	19.280	ug/l	97
15) Acrylonitrile	2.94	53	100257	104.269	ug/l	99
16) Acetone	2.32	43	92372	89.130	ug/l	100
17) Carbon Disulfide	2.48	76	74605	18.640	ug/l	100
18) Methyl Acetate	2.62	43	52312	22.126	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	86431	19.438	ug/l	98
20) Methylene Chloride	2.70	84	30481	21.114	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	24916	19.998	ug/l	99
22) Diisopropyl ether	3.58	45	109617	20.466	ug/l	96
23) Vinyl Acetate	3.53	43	458217	97.960	ug/l	100
24) 1,1-Dichloroethane	3.45	63	57705	20.957	ug/l	99
25) 2-Butanone	4.27	43	138621	98.086	ug/l	98
26) 2,2-Dichloropropane	4.23	77	41636	18.402	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27585	19.361	ug/l	98
28) Bromochloromethane	4.55	49	28850	21.717	ug/l	99
29) Tetrahydrofuran	4.64	42	89325	100.291	ug/l	99
30) Chloroform	4.68	83	52531	21.473	ug/l	98
31) Cyclohexane	5.00	56	51408	18.119	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	43023	20.881	ug/l	98
36) 1,1-Dichloropropene	5.14	75	36399	18.525	ug/l	98
37) Ethyl Acetate	4.39	43	52227	20.567	ug/l	98
38) Carbon Tetrachloride	5.14	117	36346	20.478	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	40427	17.601	ug/l	98
40) Benzene	5.39	78	117102	20.460	ug/l	99
41) Methacrylonitrile	4.55	41	28480	19.843	ug/l	97
42) 1,2-Dichloroethane	5.41	62	45264	21.306	ug/l	99
43) Isopropyl Acetate	5.55	43	77576	19.670	ug/l	98
44) Trichloroethene	6.19	130	24199	18.962	ug/l	95
45) 1,2-Dichloropropane	6.44	63	33369	20.214	ug/l	100
46) Dibromomethane	6.56	93	19815	21.253	ug/l	99
47) Bromodichloromethane	6.76	83	39760	20.552	ug/l	99
48) Methyl methacrylate	6.63	41	38685	19.725	ug/l	96
49) 1,4-Dioxane	6.62	88	14251	422.317	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	259427	101.228	ug/l	99
52) Toluene	7.64	92	66968	19.769	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	43394	19.131	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48036	19.699	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28482	21.206	ug/l	96
56) Ethyl methacrylate	8.02	69	41175	17.553	ug/l	100
57) 1,3-Dichloropropane	8.24	76	52094	19.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	130264	97.417	ug/l	100
59) 2-Hexanone	8.36	43	197803	99.498	ug/l	98
60) Dibromochloromethane	8.48	129	26985	20.032	ug/l	97
61) 1,2-Dibromoethane	8.59	107	28059	19.648	ug/l	97
64) Tetrachloroethene	8.23	164	20899	20.276	ug/l	98
65) Chlorobenzene	9.12	112	68738	19.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	25904	21.530	ug/l	97
67) Ethyl Benzene	9.25	91	117170	18.975	ug/l	98
68) m/p-Xylenes	9.38	106	88877	39.349	ug/l	100
69) o-Xylene	9.78	106	41832	19.489	ug/l	100
70) Styrene	9.79	104	70083	18.963	ug/l	100
71) Bromoform	9.96	173	19331	19.970	ug/l #	100
73) Isopropylbenzene	10.17	105	114432	19.417	ug/l	100
74) N-amyl acetate	10.02	43	64764	19.196	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	48641	21.020	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	41740m	19.844	ug/l	
77) Bromobenzene	10.45	156	27313	19.942	ug/l	96
78) n-propylbenzene	10.59	91	136848	19.325	ug/l	100
79) 2-Chlorotoluene	10.66	91	83983	19.642	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	97534	20.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	15343m	19.090	ug/l	
82) 4-Chlorotoluene	10.77	91	96178	19.822	ug/l	99
83) tert-Butylbenzene	11.10	119	89043	19.197	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	99572	20.316	ug/l	99
85) sec-Butylbenzene	11.32	105	114429	19.580	ug/l	100
86) p-Isopropyltoluene	11.48	119	96994	19.384	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	50254	19.377	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	52911	19.965	ug/l	99
89) n-Butylbenzene	11.89	91	85941	17.503	ug/l	99
90) Hexachloroethane	12.15	117	19310	20.473	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	50502	20.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10574	20.618	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31797	19.466	ug/l	98
94) Hexachlorobutadiene	13.69	225	16874	20.446	ug/l	100
95) Naphthalene	13.75	128	104083	18.063	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	34557	20.306	ug/l	99

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

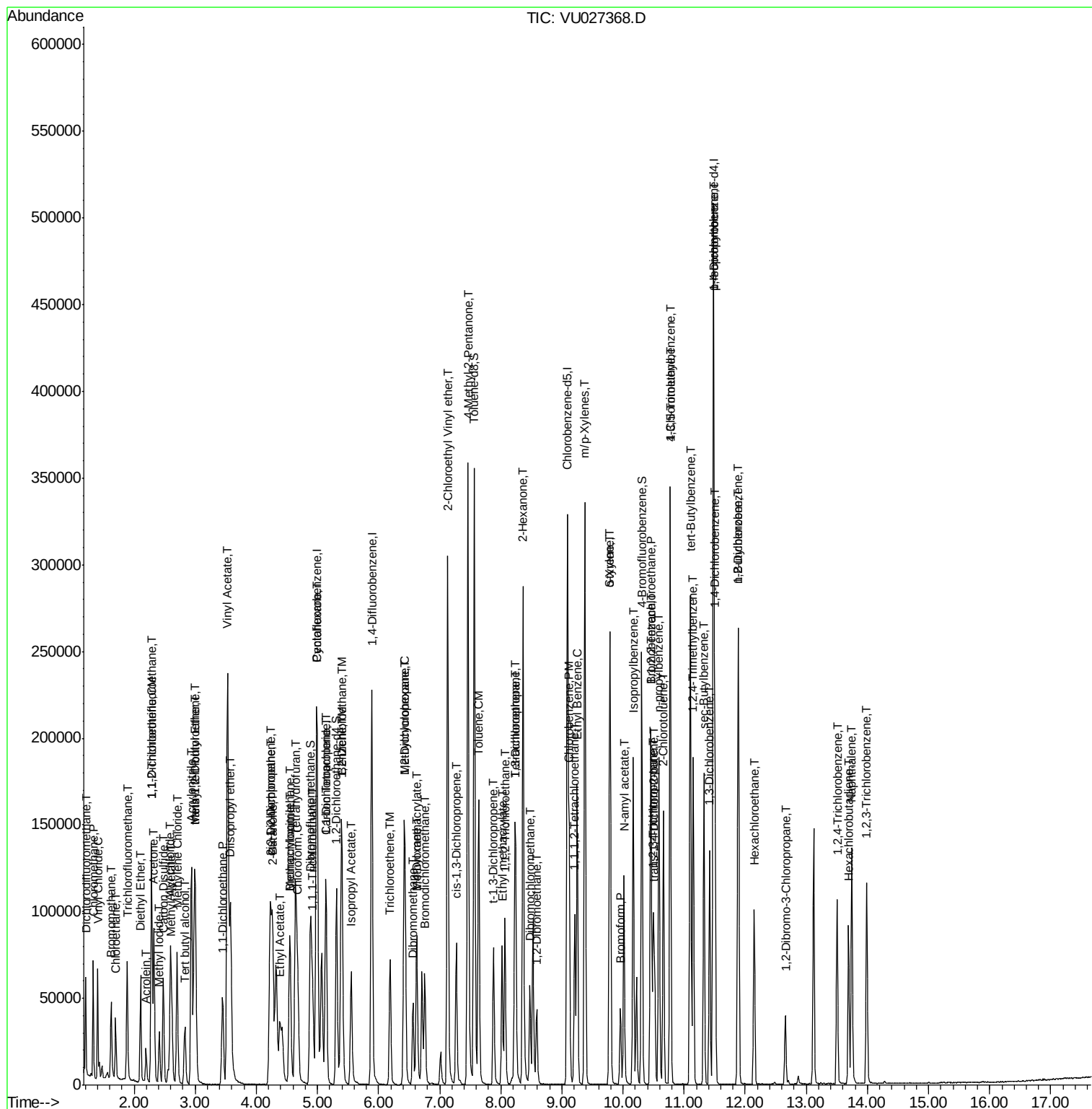
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Data File : VU027368.D
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Operator : MD/SY
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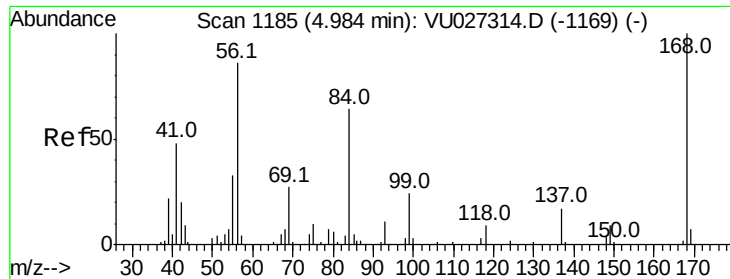
Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion:168 Resp: 105059

Ion Ratio Lower Upper

168 100

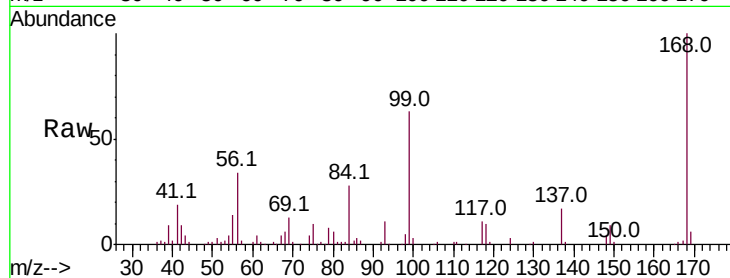
99 61.7 50.8 76.2

Manual Integrations

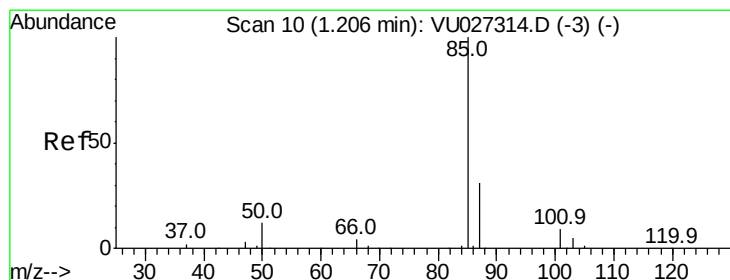
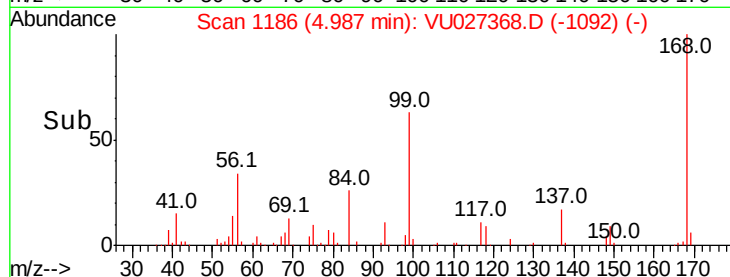
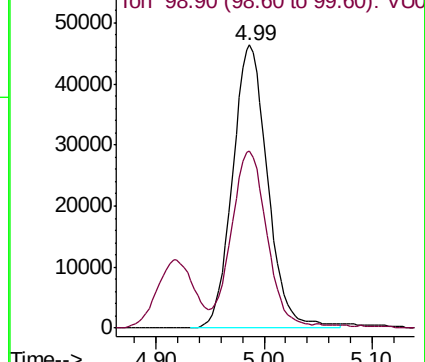
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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 21.409 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027368.D

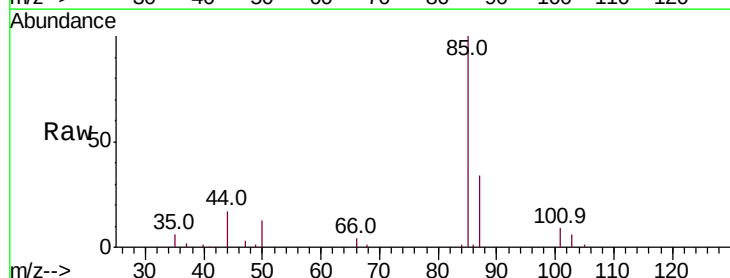
Acq: 03 Oct 2018 20:19

Tgt Ion: 85 Resp: 32427

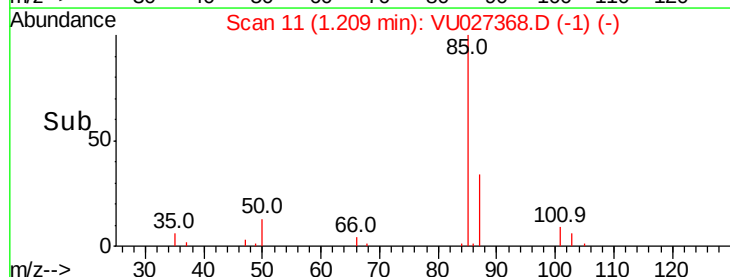
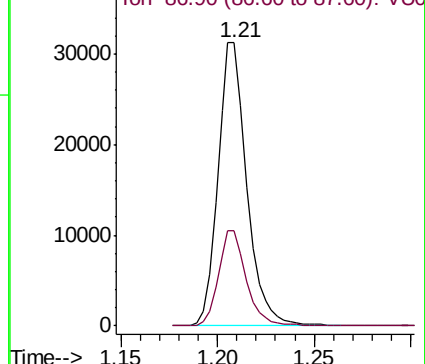
Ion Ratio Lower Upper

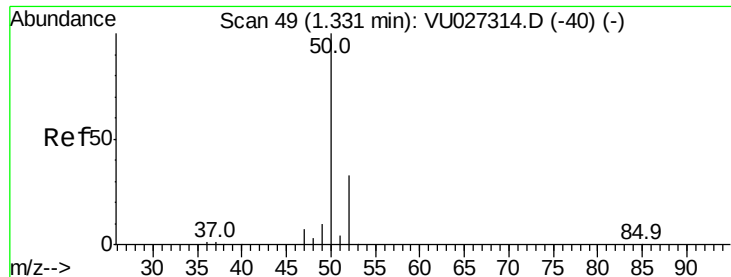
85 100

87 33.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)





#3

Chloromethane

Concen: 20.330 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 50 Resp: 41690

Ion Ratio Lower Upper

50 100

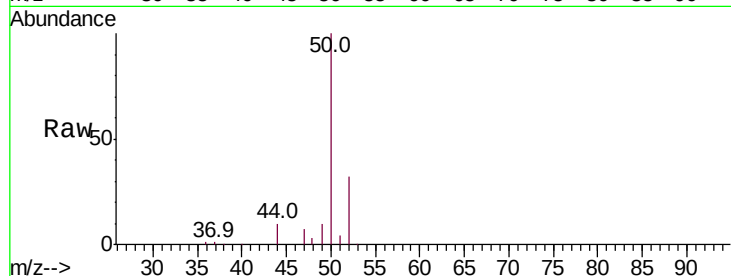
52 32.4 26.5 39.7

Manual Integrations

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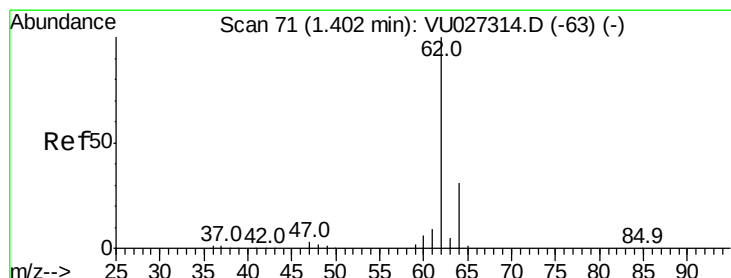
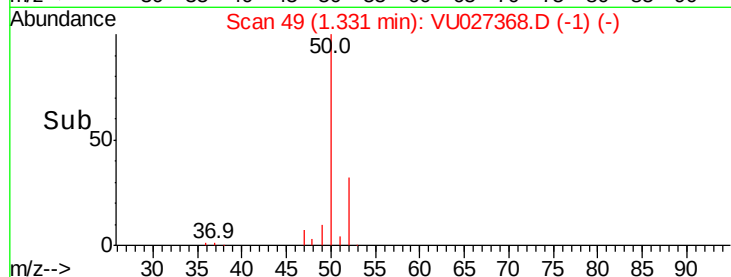
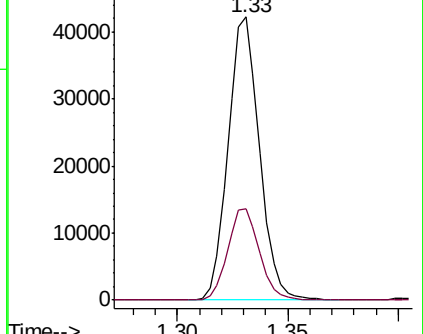
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.433 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027368.D

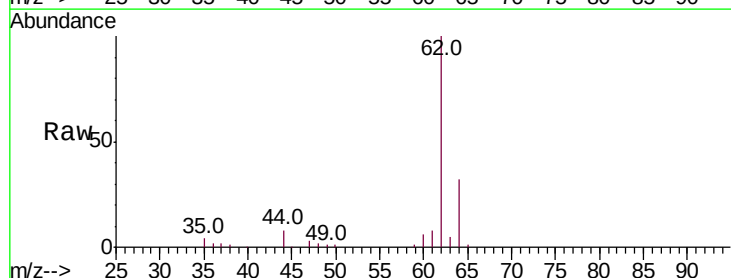
Acq: 03 Oct 2018 20:19

Tgt Ion: 62 Resp: 39388

Ion Ratio Lower Upper

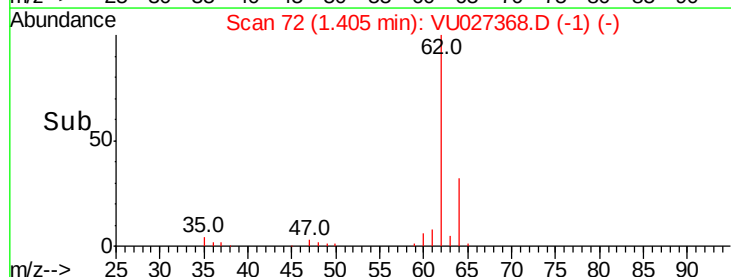
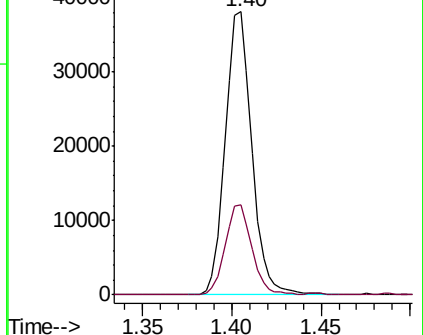
62 100

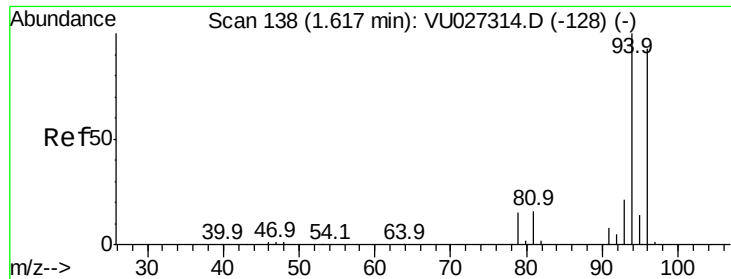
64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





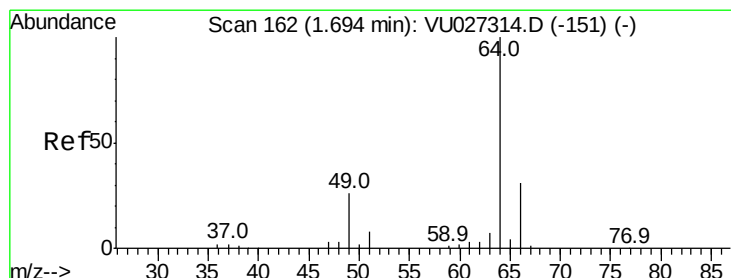
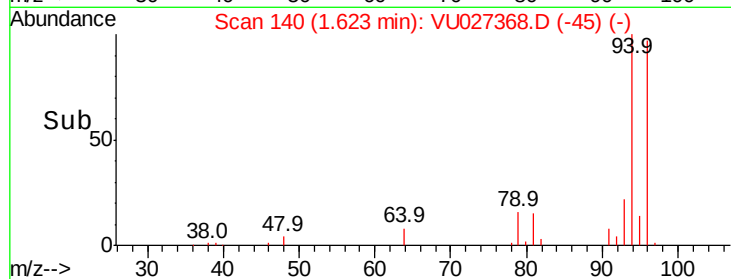
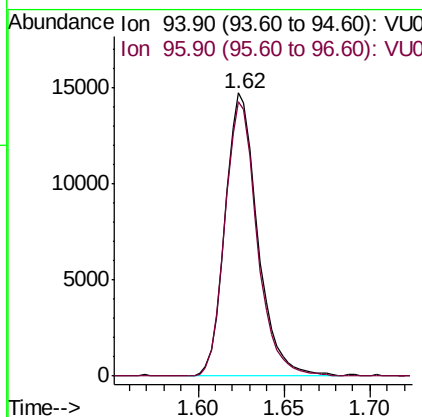
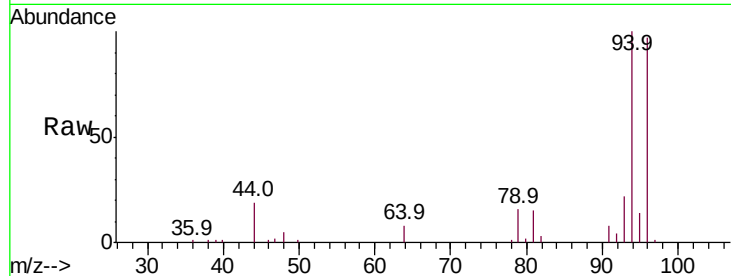
#5
Bromomethane
Concen: 23.276 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
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Tot Ion: 94 Resp: 19414
Ion Ratio Lower Upper
94 100
96 97.1 74.6 111.8

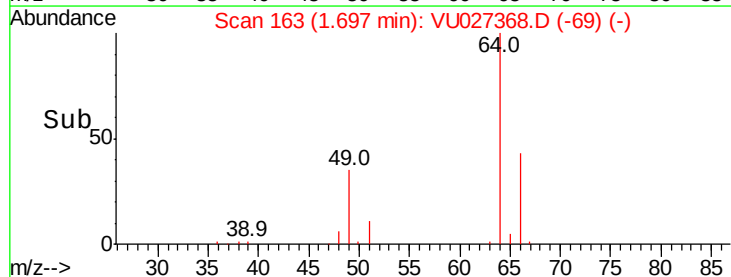
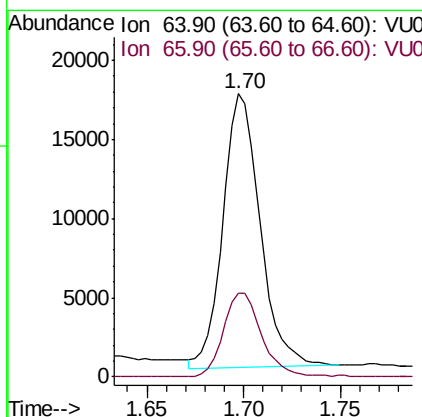
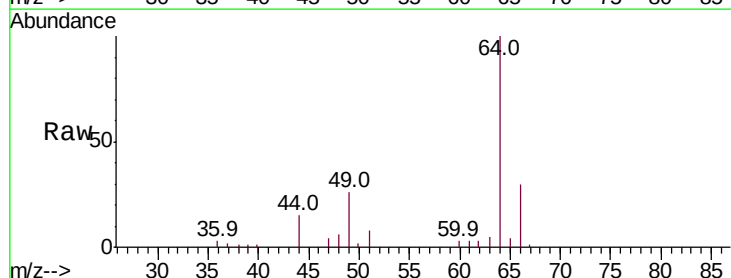
Manual Integrations
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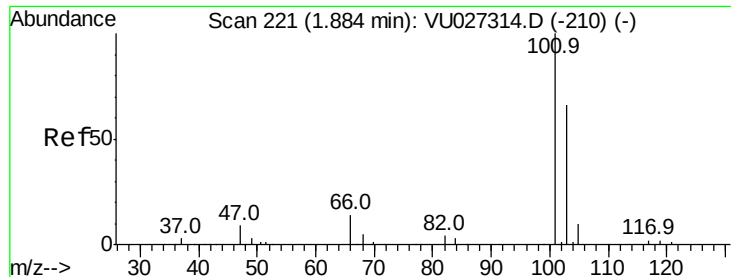
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#6
Chloroethane
Concen: 19.942 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 64 Resp: 23099
Ion Ratio Lower Upper
64 100
66 31.0 24.6 36.8





#7

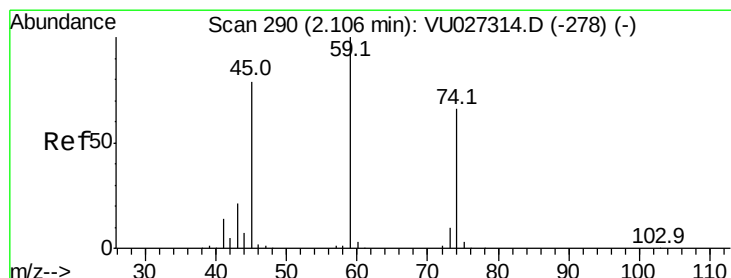
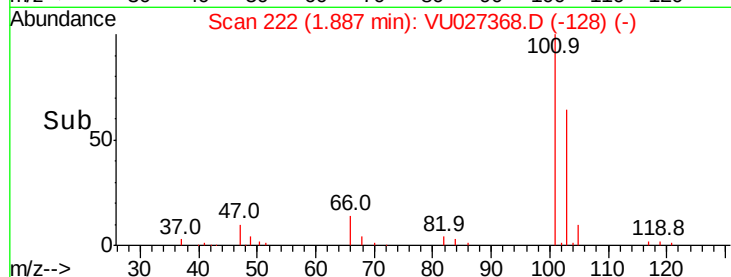
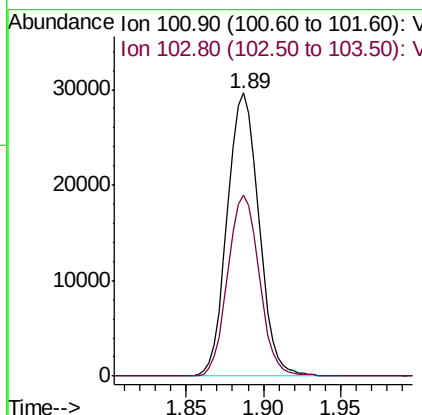
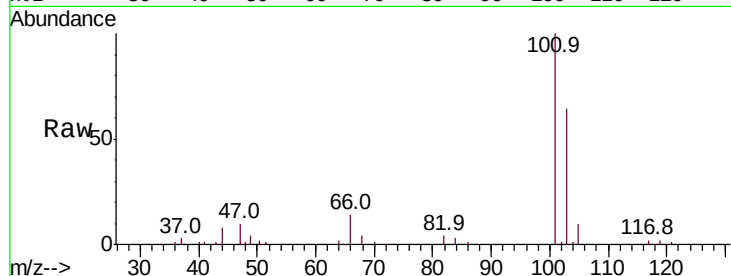
Trichlorofluoromethane
Concen: 21.496 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion:101 Resp: 42043
Ion Ratio Lower Upper
101 100
103 64.1 52.6 78.8

Manual Integrations
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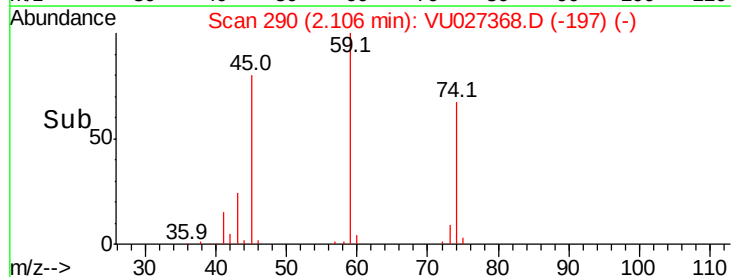
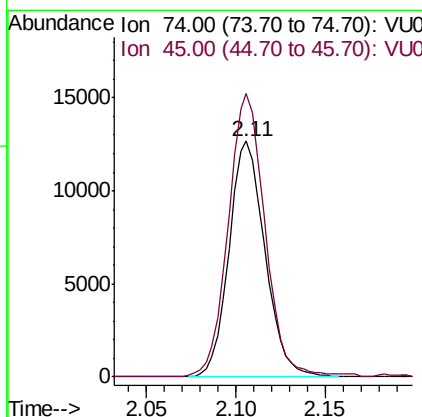
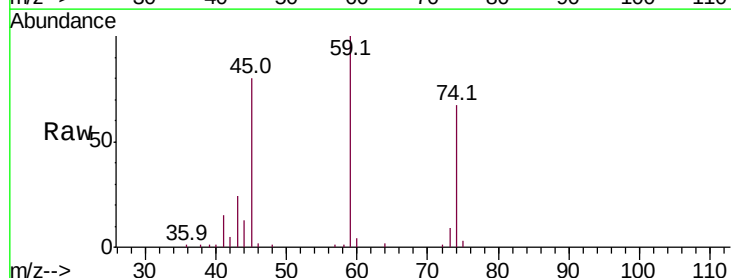
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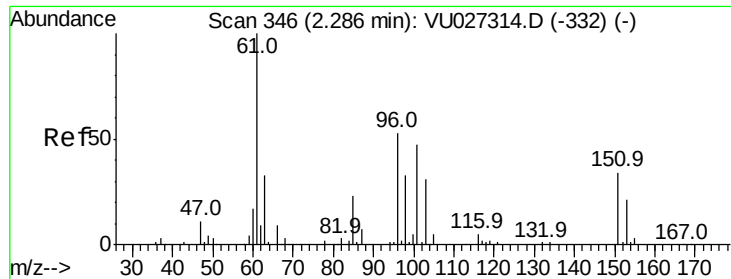


#8

Diethyl Ether
Concen: 19.631 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 74 Resp: 17687
Ion Ratio Lower Upper
74 100
45 122.6 60.4 181.1





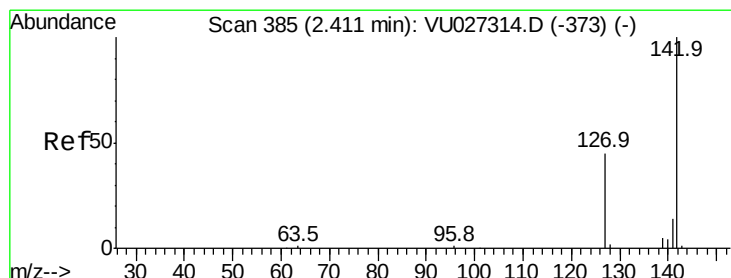
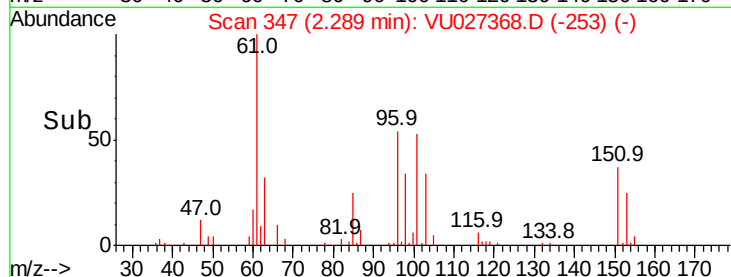
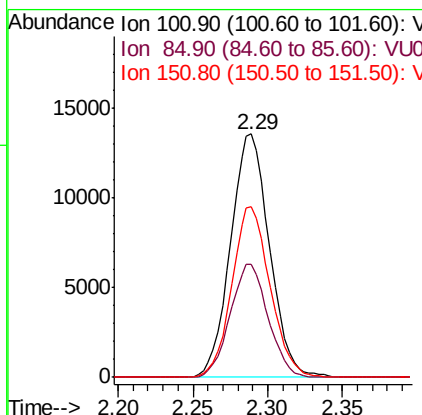
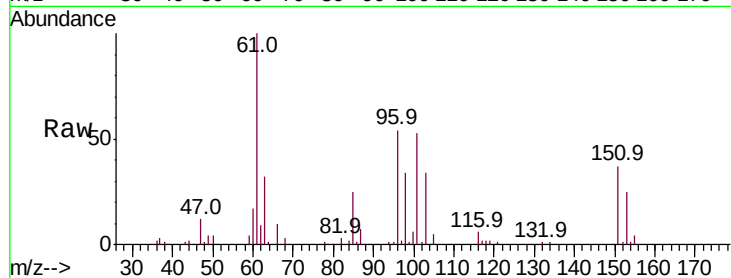
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.542 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	37.5	56.3
151	69.0	55.6	83.4

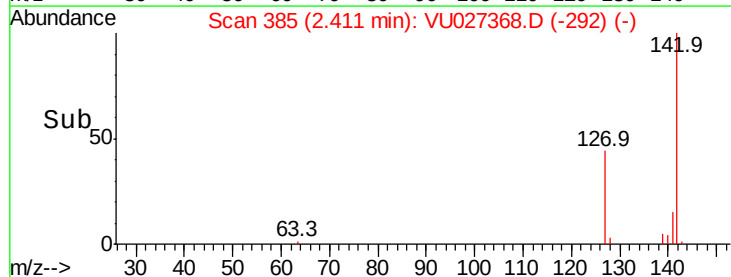
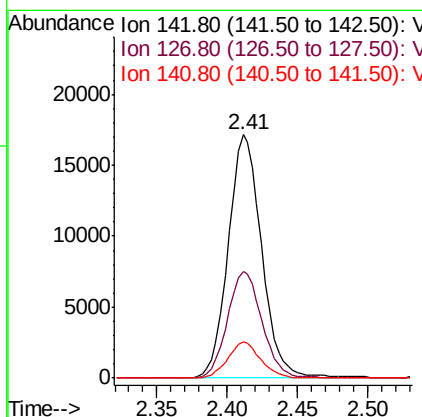
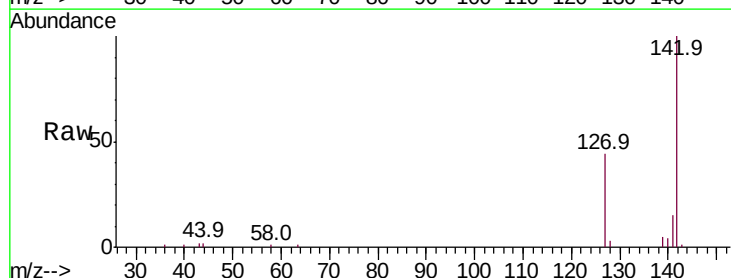
Manual Integrations
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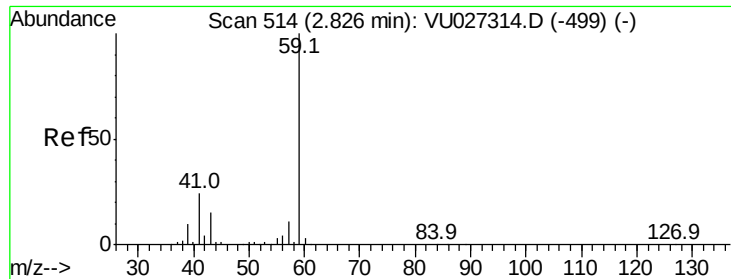
MMDadoda
10/8/2018 1:52:28 PM



#10
Methyl Iodide
Concen: 32.110 ug/l
RT: 2.41 min Scan# 385
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.3	54.5
141	14.5	11.6	17.4





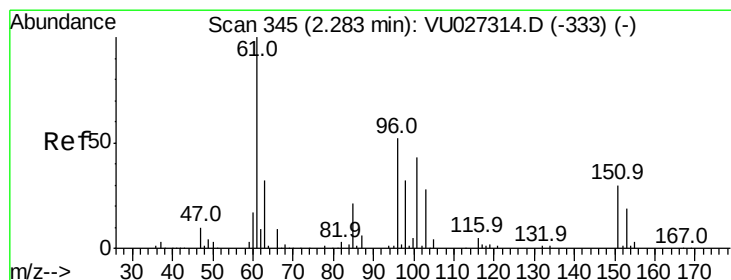
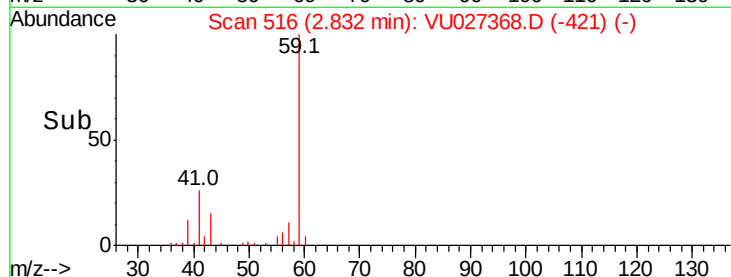
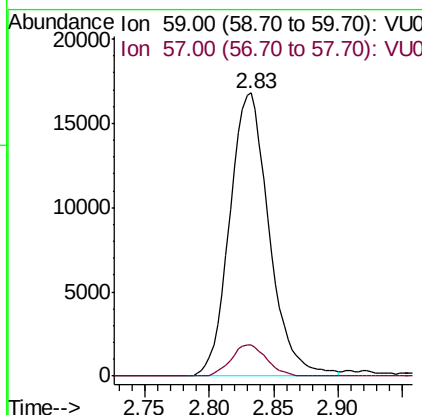
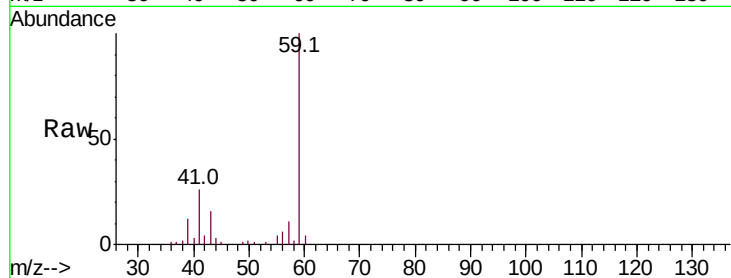
#11
Tert butyl alcohol
Concen: 96.799 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	59	Resp	35760
Ion Ratio	100	Lower	Upper
57	10.0	8.4	12.6

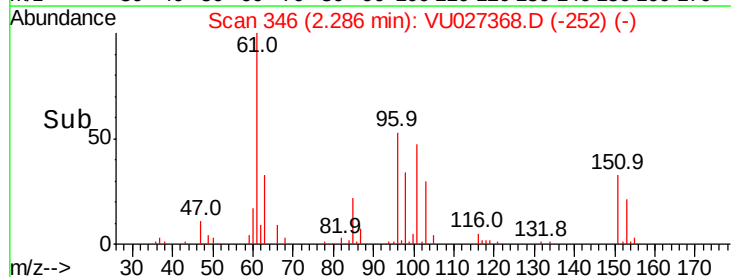
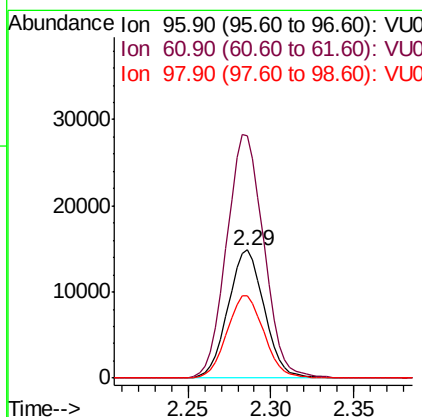
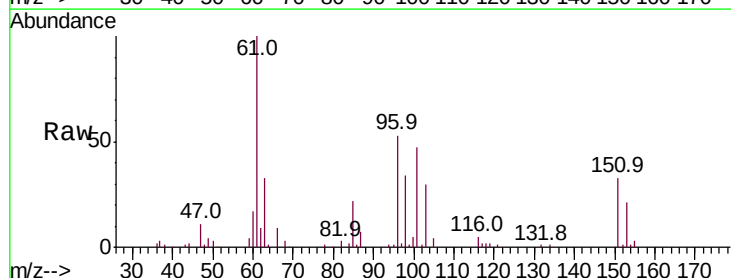
Manual Integrations
APPROVED

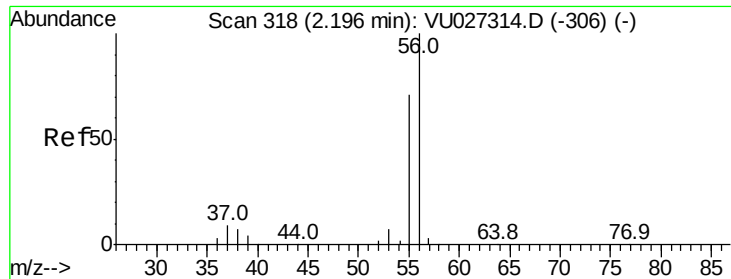
MMDadoda
10/8/2018 1:52:28 PM



#12
1,1-Dichloroethene
Concen: 20.346 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	96	Resp	22579
Ion Ratio	100	Lower	Upper
61	189.7	153.0	229.6
98	64.6	49.3	73.9





#13

Acrolein

Concen: 42.782 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 56 Resp: 13262

Ion Ratio Lower Upper

56 100

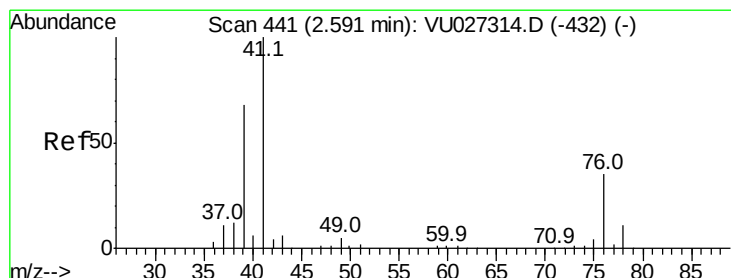
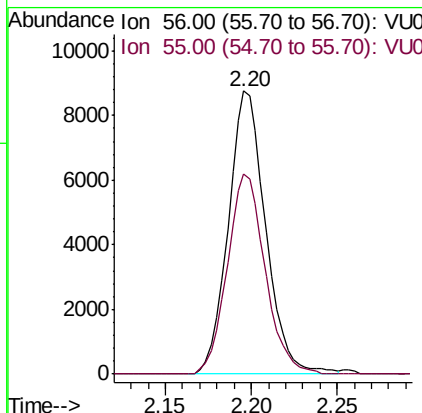
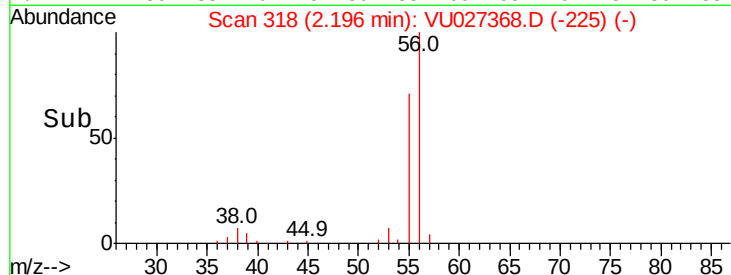
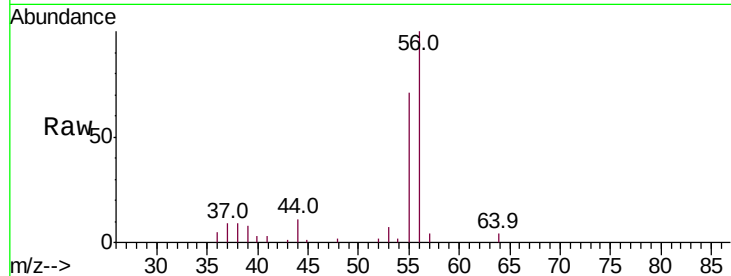
55 71.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.280 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

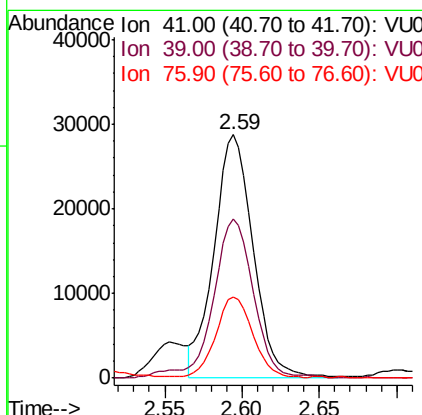
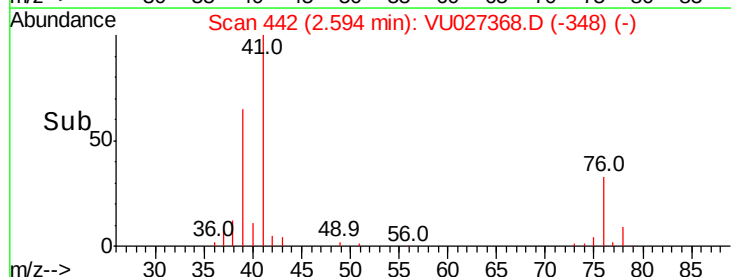
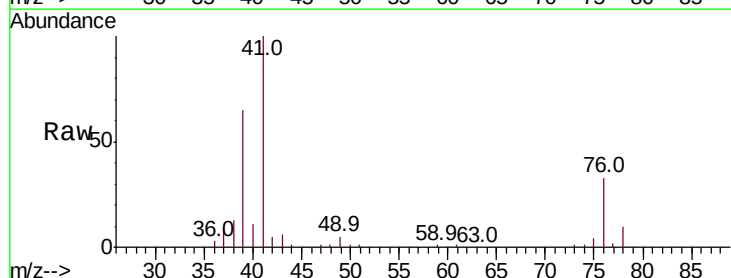
Tgt Ion: 41 Resp: 50808

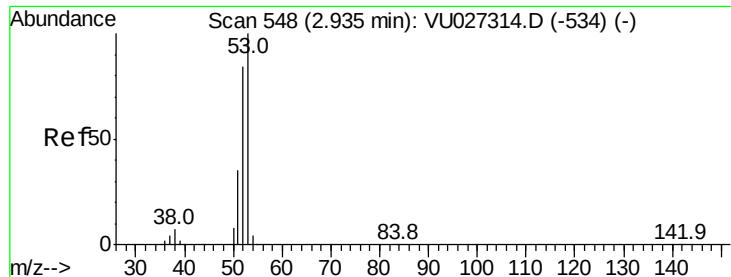
Ion Ratio Lower Upper

41 100

39 67.4 51.8 77.8

76 30.9 25.9 38.9





#15

Acrylonitrile

Concen: 104.269 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

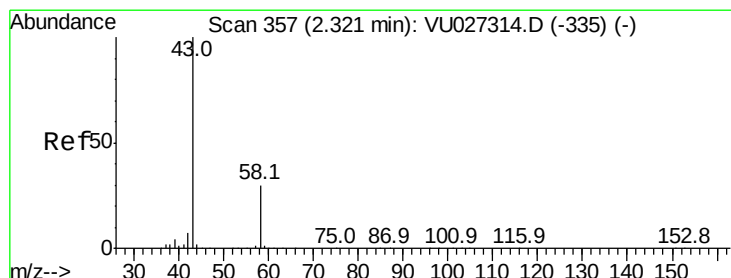
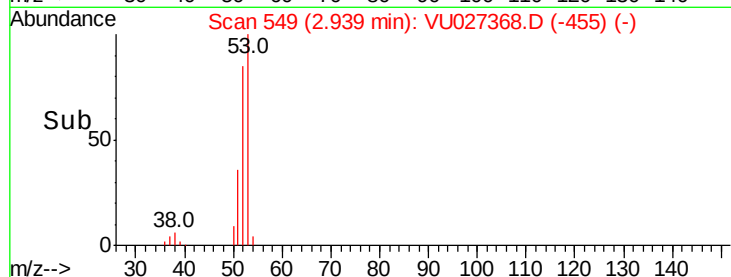
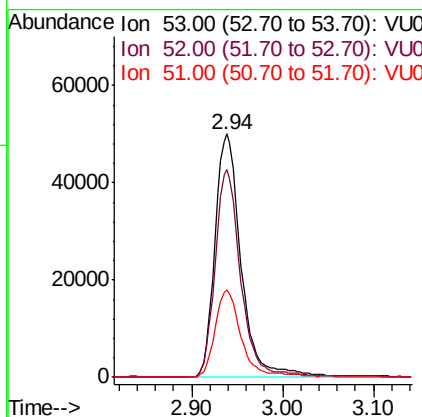
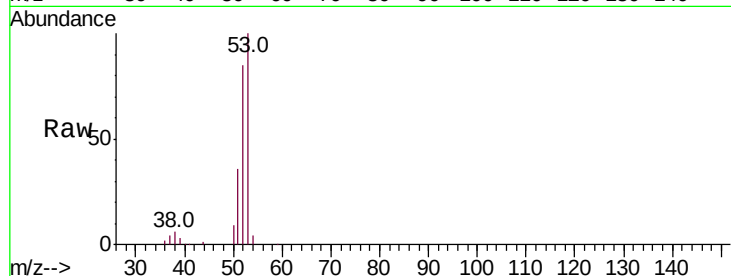
ClientSampleId :

VU1004WBSD01

Tot Ion:	53	Resp:	100257
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.5	99.7
51	36.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 89.130 ug/l

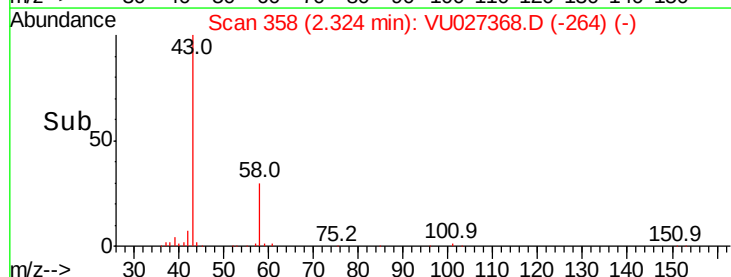
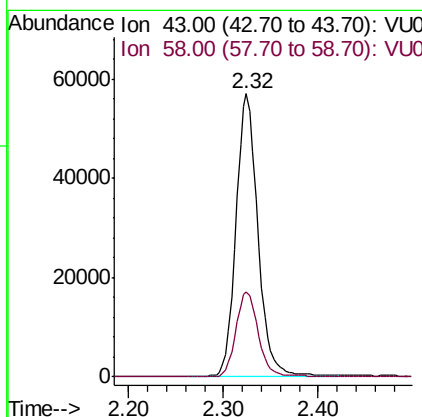
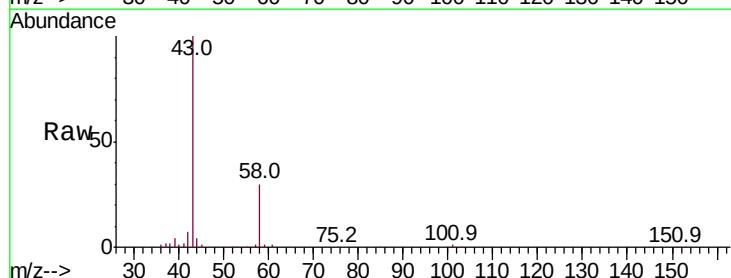
RT: 2.32 min Scan# 358

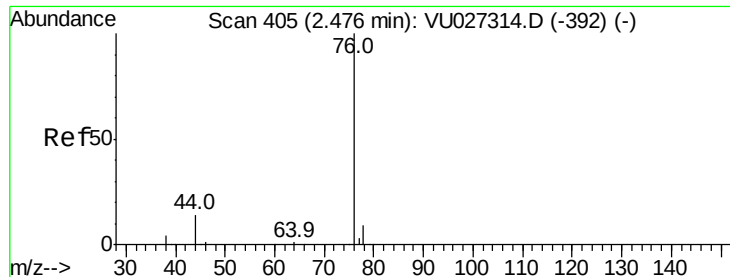
Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion:	43	Resp:	92372
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.2	36.4





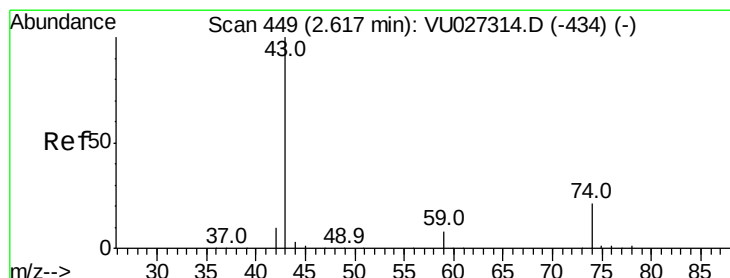
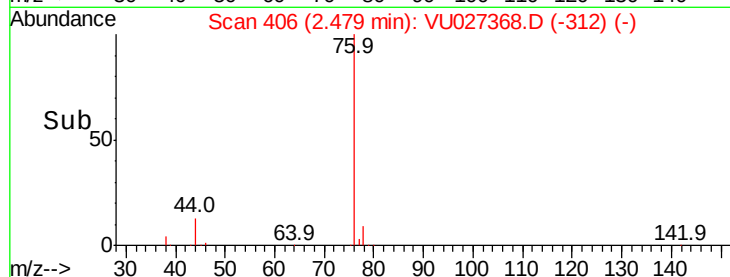
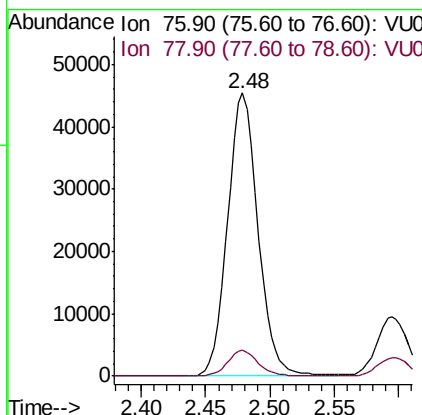
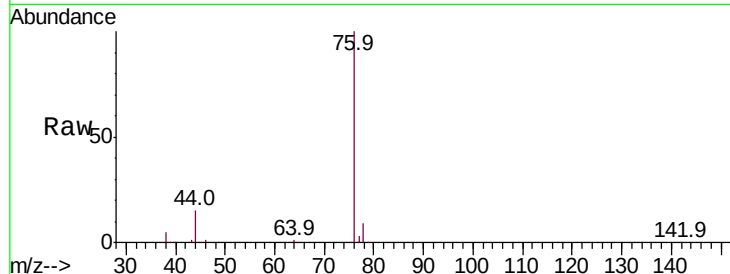
#17
Carbon Disulfide
Concen: 18.640 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

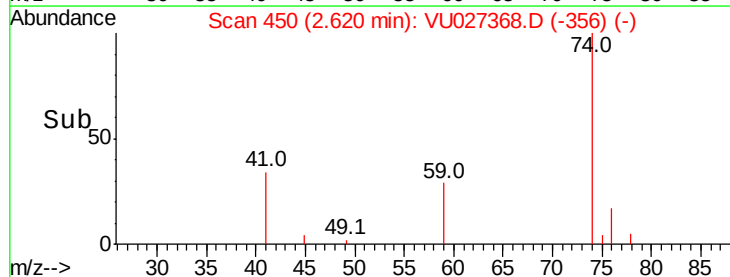
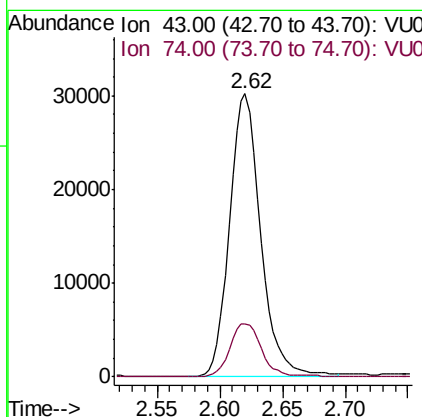
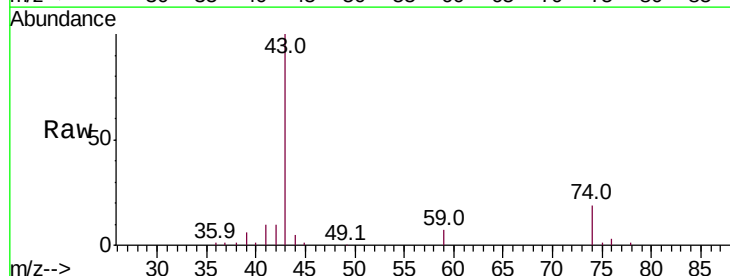
Manual Integrations
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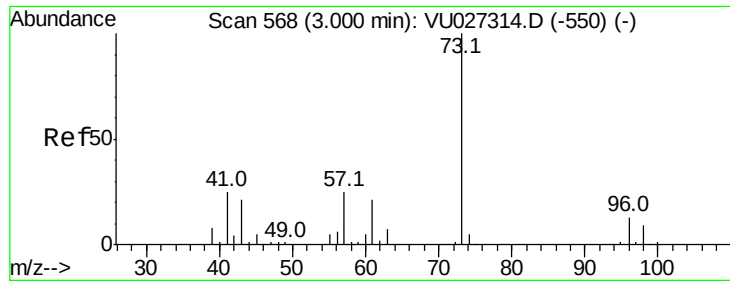
MMDadoda
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#18
Methyl Acetate
Concen: 22.126 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.5	24.7





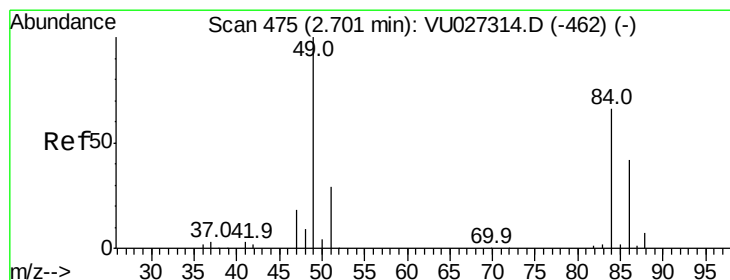
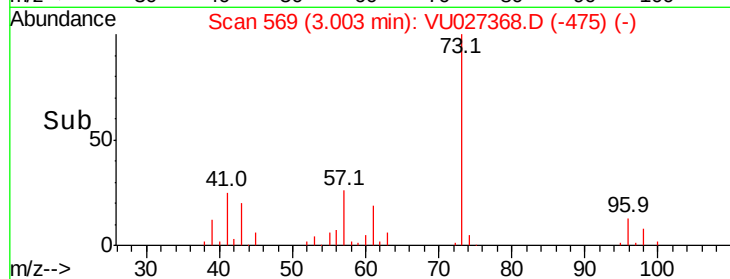
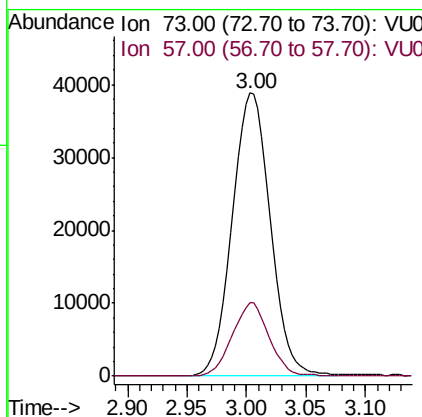
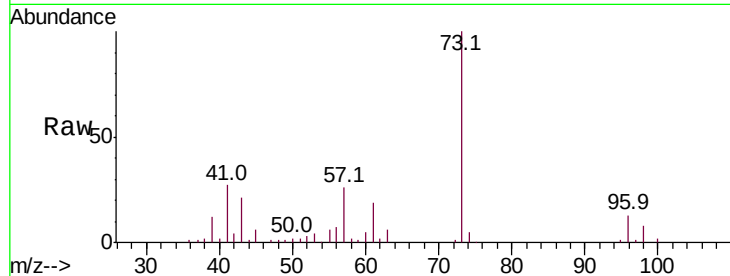
#19
Methyl tert-butyl Ether
Concen: 19.438 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion: 73 Resp: 86431
Ion Ratio Lower Upper
73 100
57 26.0 20.0 30.0

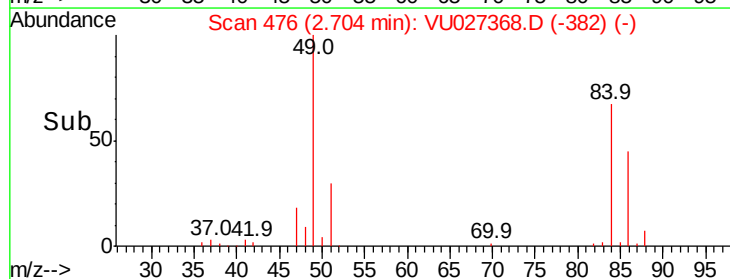
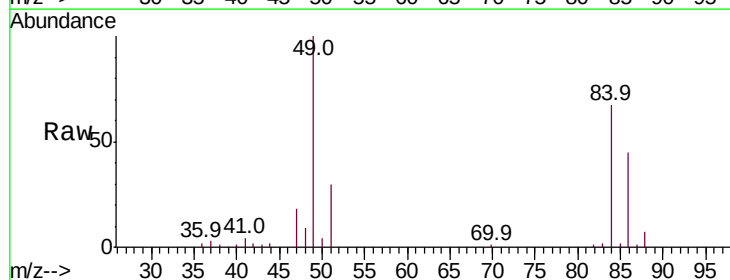
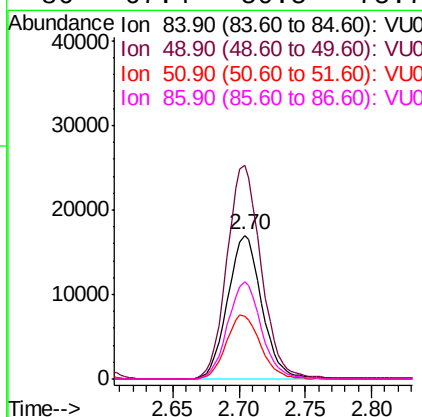
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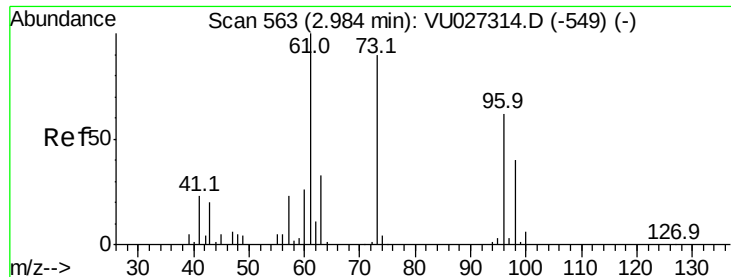
MMDadoda
10/8/2018 1:52:28 PM



#20
Methylene Chloride
Concen: 21.114 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 84 Resp: 30481
Ion Ratio Lower Upper
84 100
49 148.8 120.5 180.7
51 44.1 35.1 52.7
86 67.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.998 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 96 Resp: 24916

Ion Ratio Lower Upper

96 100

61 162.5 129.4 194.2

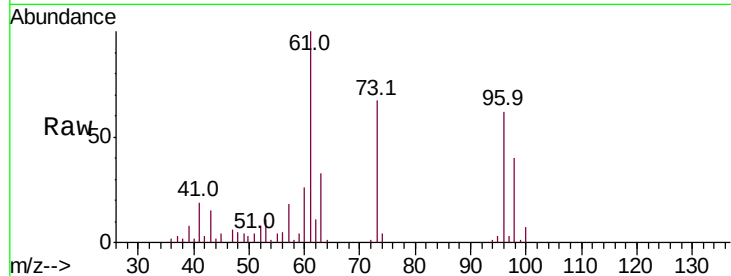
98 65.4 51.2 76.8

Manual Integrations

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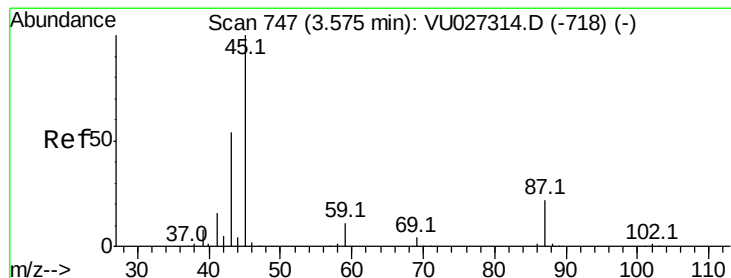
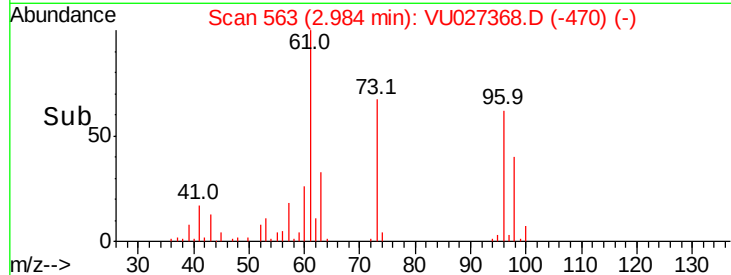
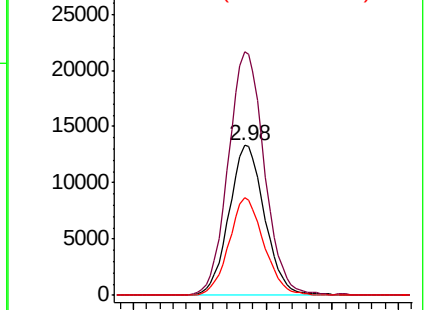


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.466 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion: 45 Resp: 109617

Ion Ratio Lower Upper

45 100

43 58.0 43.4 65.2

87 21.4 17.5 26.3

59 10.2 8.6 13.0

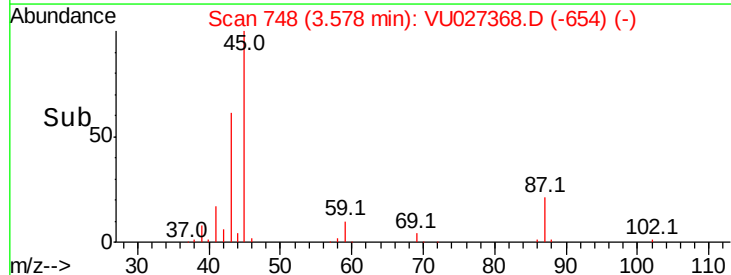
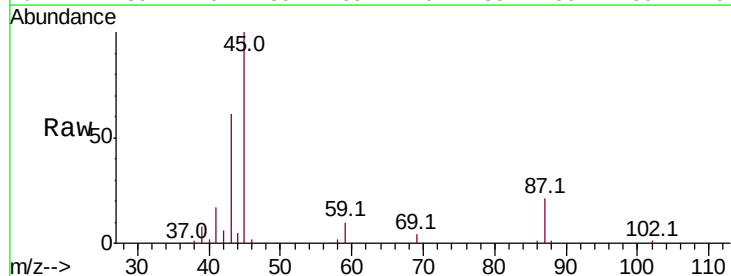
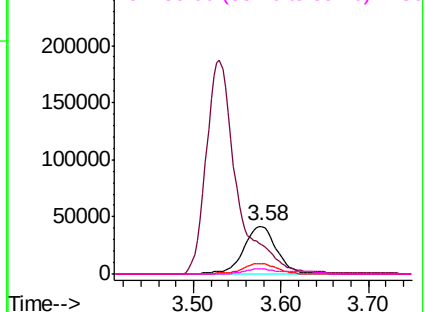
Abundance

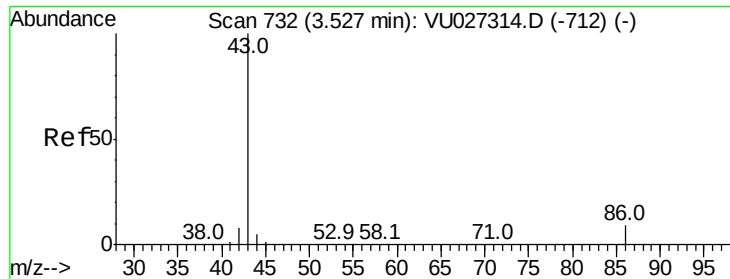
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 97.960 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 43 Resp: 458217

Ion Ratio Lower Upper

43 100

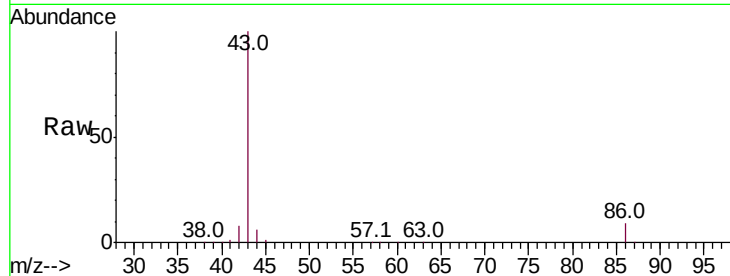
86 8.8 7.0 10.4

Manual Integrations

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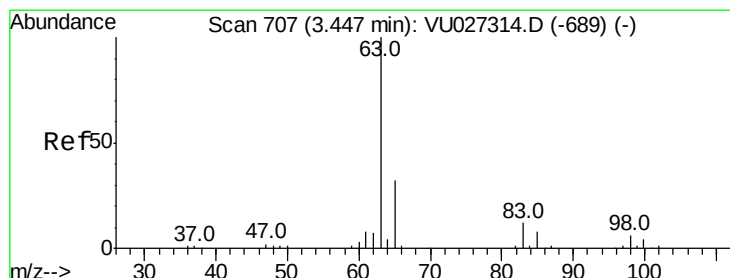
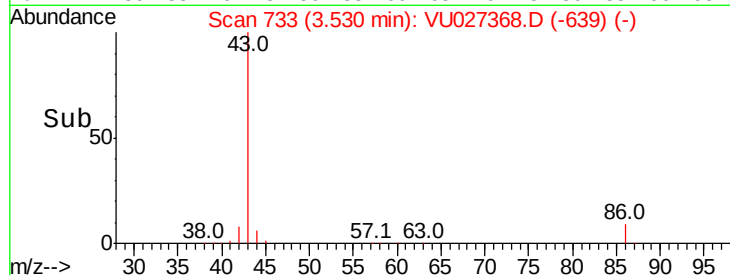
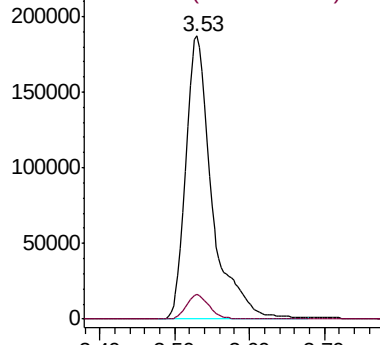
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.957 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

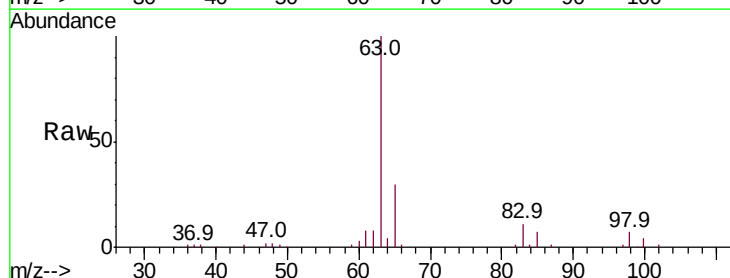
Tgt Ion: 63 Resp: 57705

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

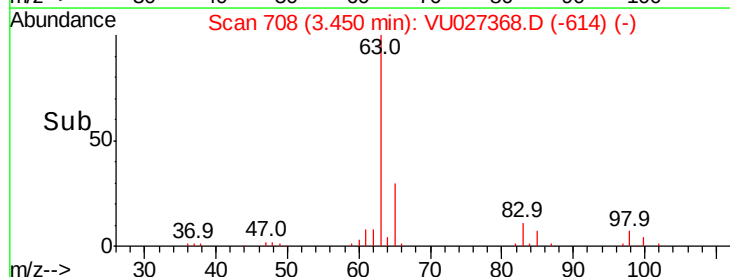
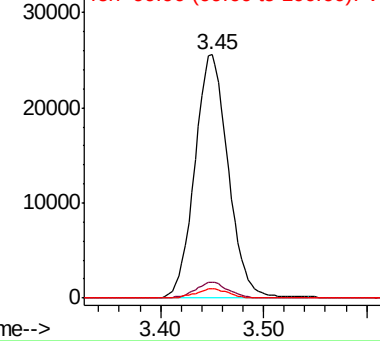
100 3.9 1.8 5.5

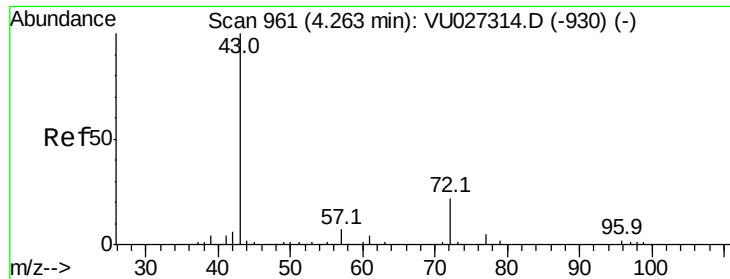


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 98.086 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 43 Resp: 138621

Ion Ratio Lower Upper

43 100

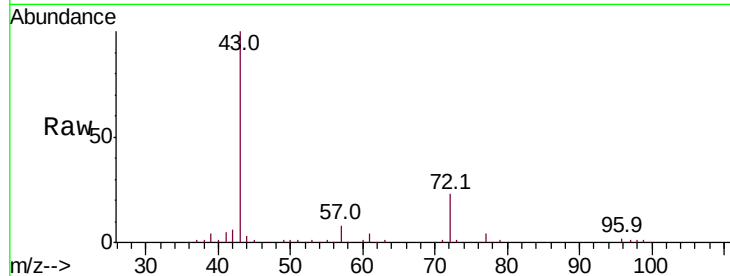
72 23.0 17.8 26.6

Manual Integrations

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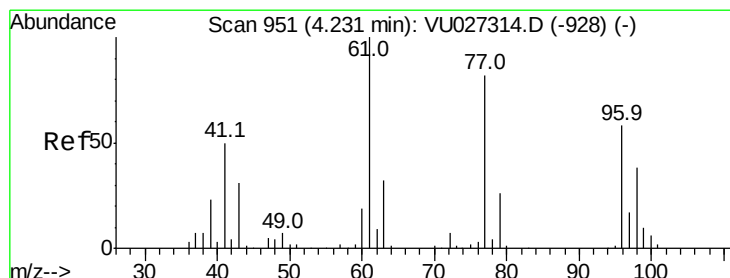
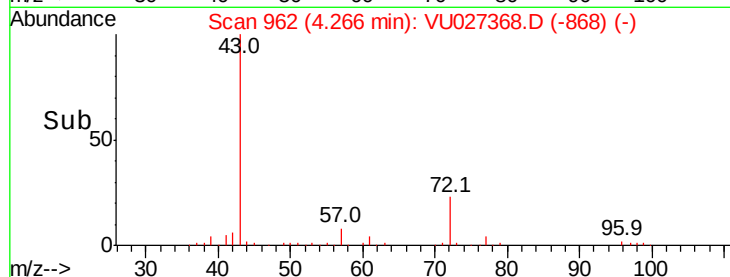
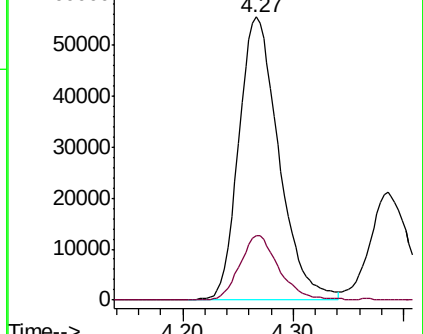
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.402 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027368.D

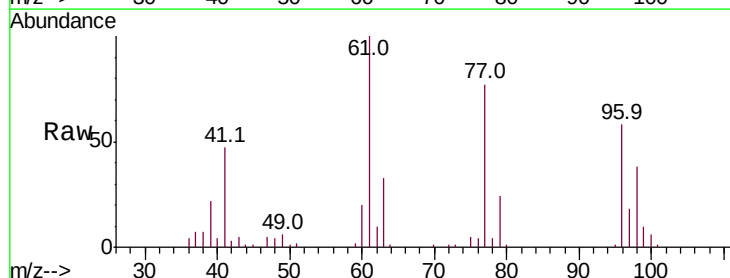
Acq: 03 Oct 2018 20:19

Tgt Ion: 77 Resp: 41636

Ion Ratio Lower Upper

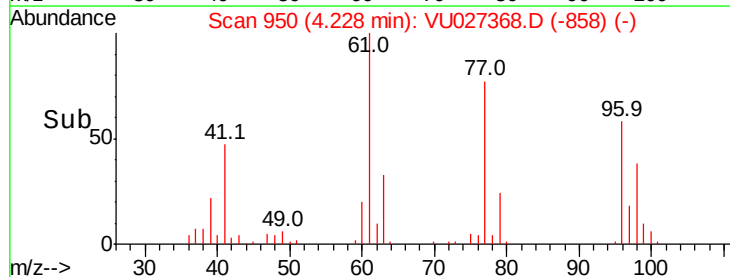
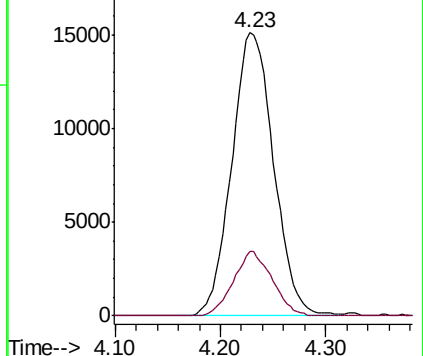
77 100

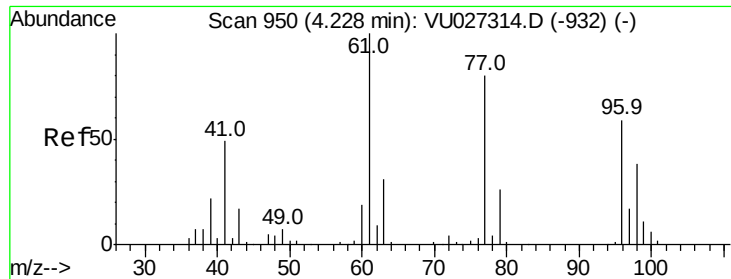
97 21.1 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

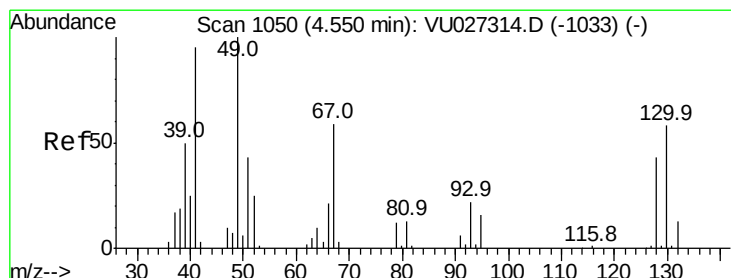
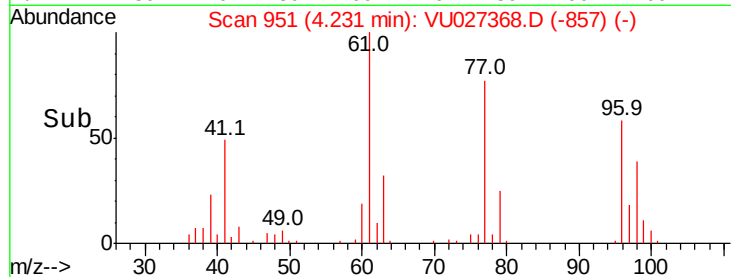
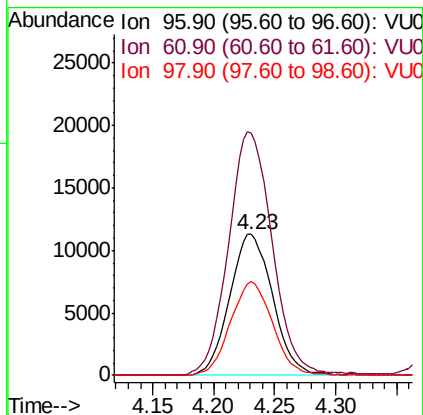
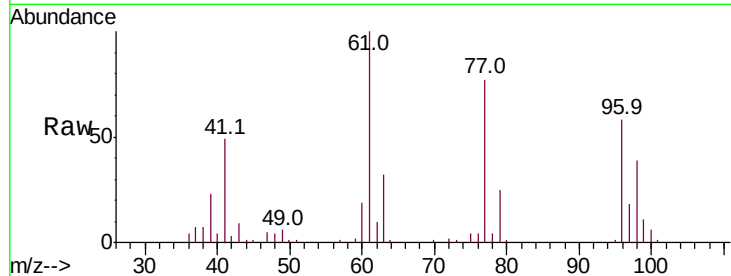
cis-1,2-Dichloroethene
Concen: 19.361 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.0	0.0	343.8
98	64.8	0.0	129.0

Manual Integrations
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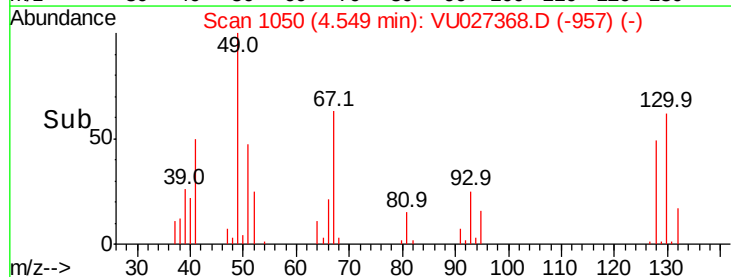
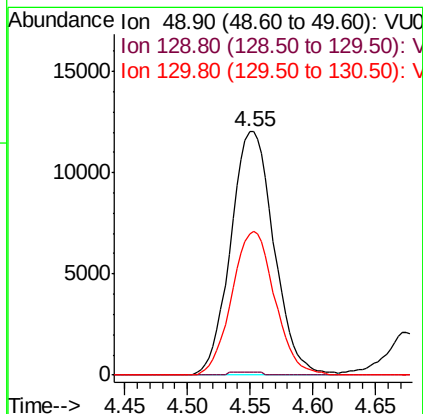
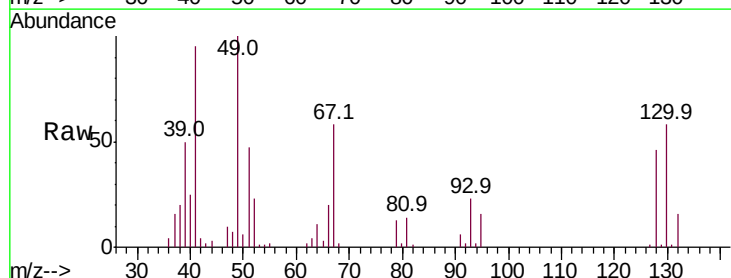
MMDadoda
10/8/2018 1:52:28 PM

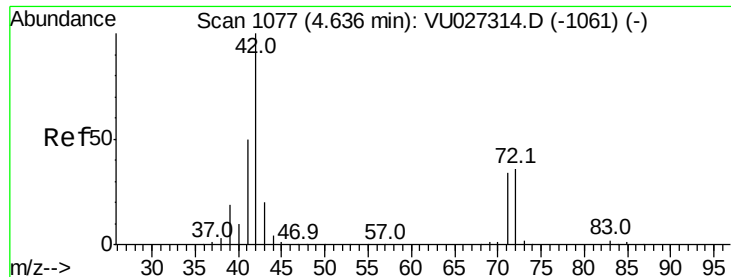


#28

Bromochloromethane
Concen: 21.717 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	58.5	46.1	69.1





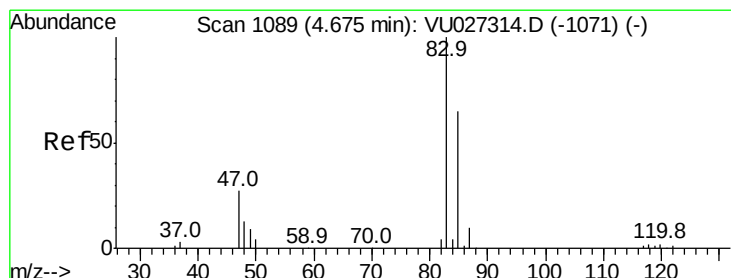
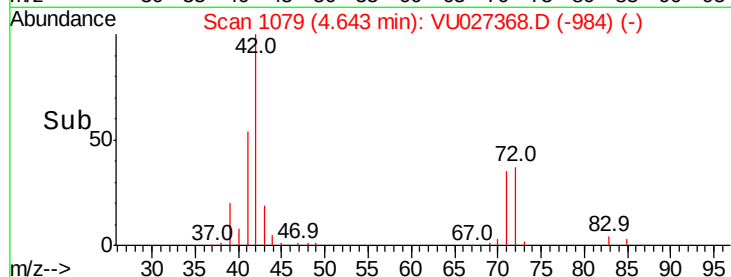
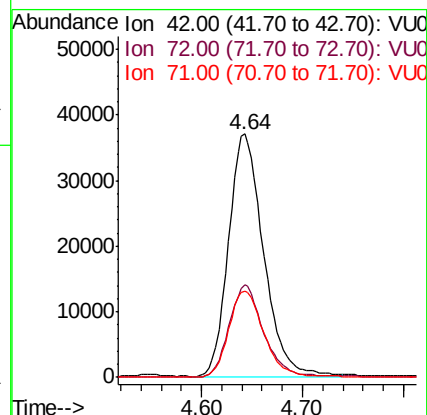
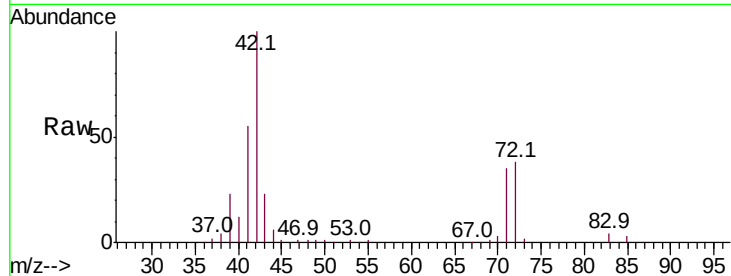
#29
Tetrahydrofuran
Concen: 100.291 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.1	45.1
71	35.6	27.7	41.5

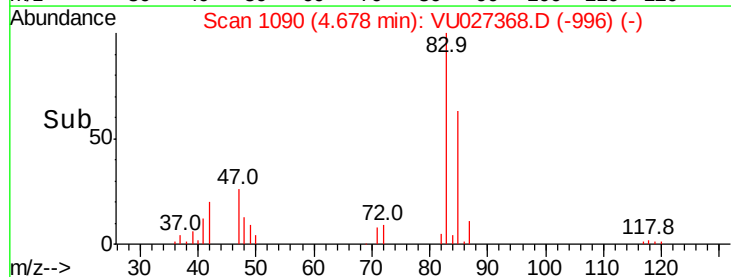
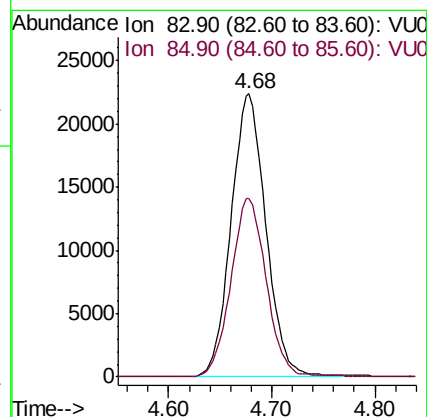
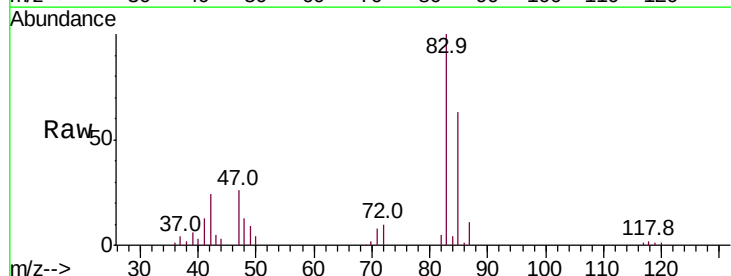
Manual Integrations
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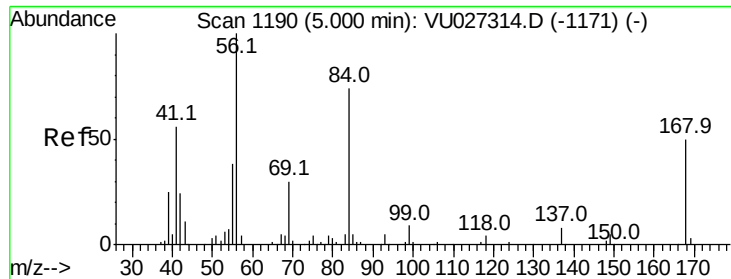
MMDadoda
10/8/2018 1:52:28 PM



#30
Chloroform
Concen: 21.473 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





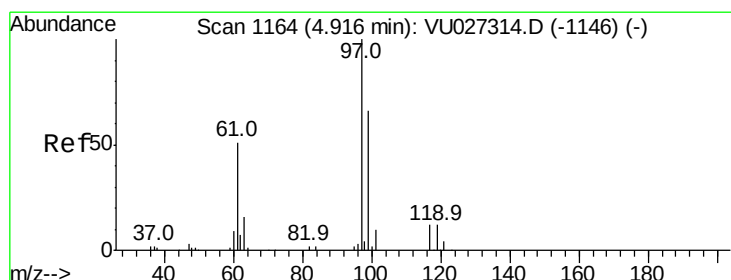
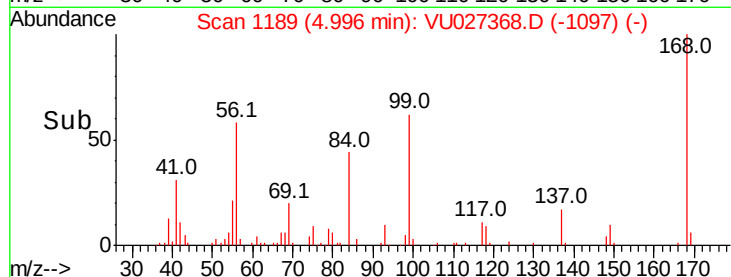
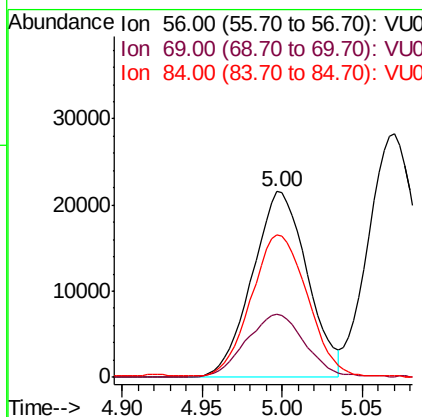
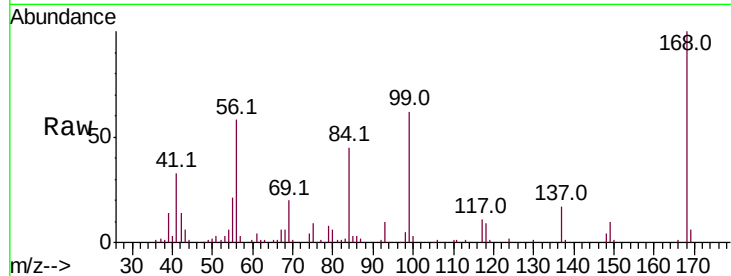
#31
Cyclohexane
Concen: 18.119 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	24.1	36.1
84	76.3	59.1	88.7

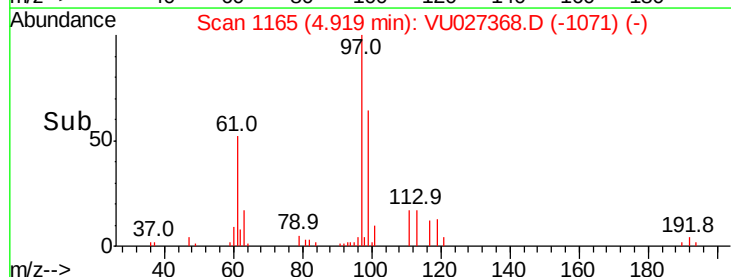
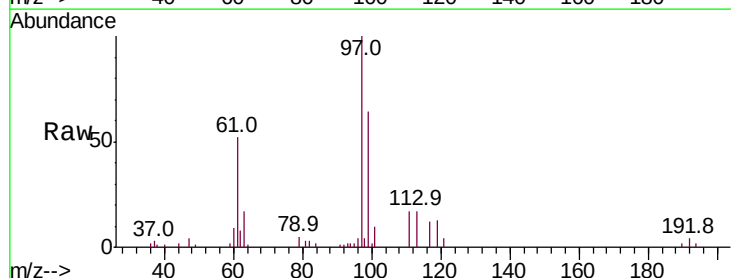
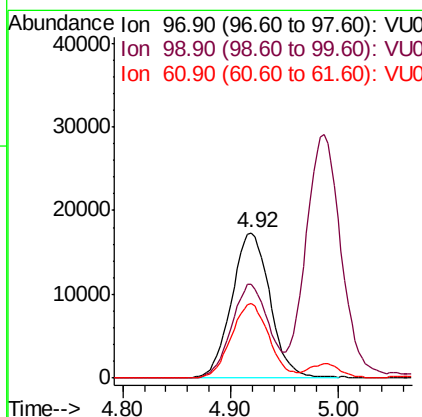
Manual Integrations
APPROVED

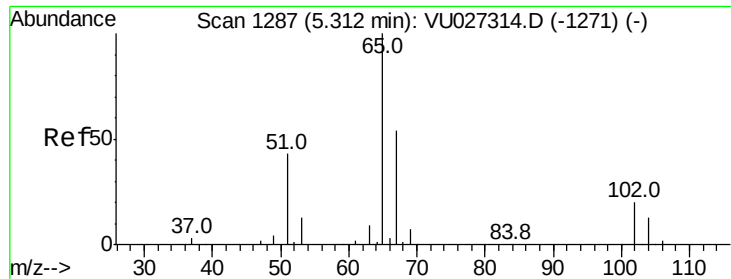
MMDadoda
10/8/2018 1:52:28 PM



#32
1,1,1-Trichloroethane
Concen: 20.881 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.1	76.7
61	50.5	39.6	59.4





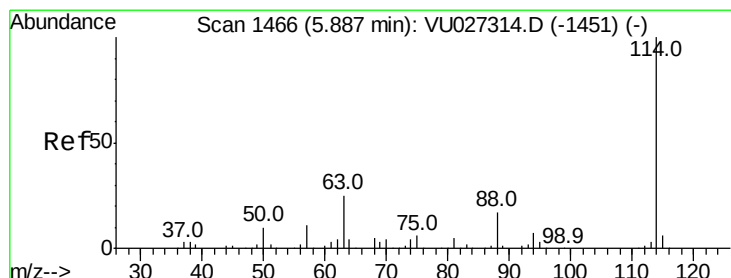
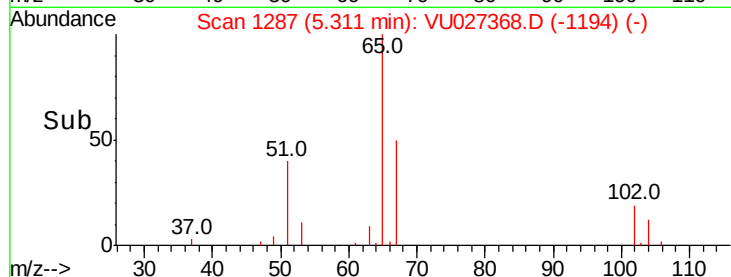
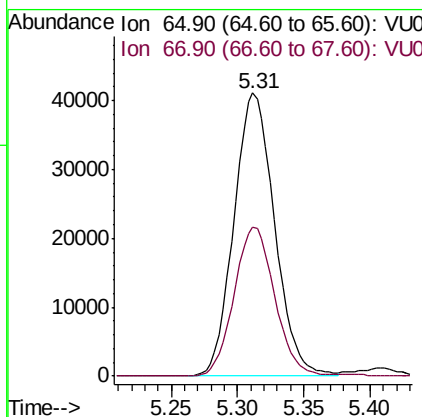
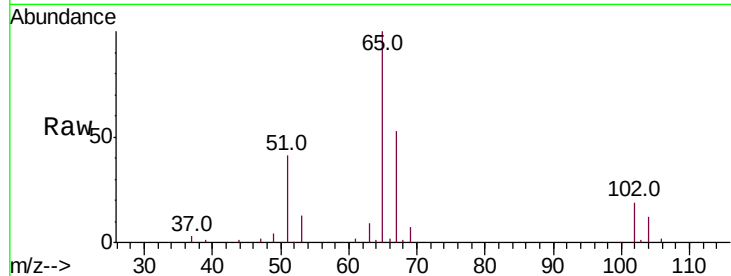
#33
 1,2-Dichloroethane-d4
 Concen: 49.975 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.8

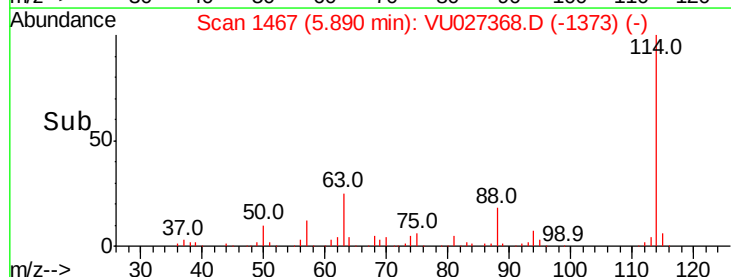
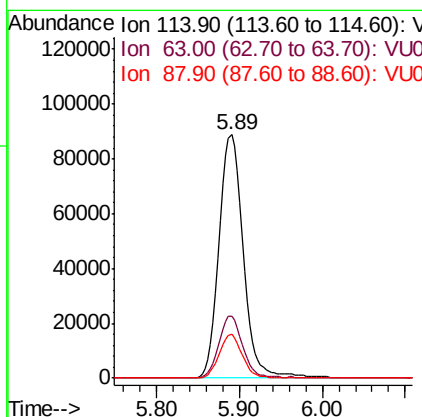
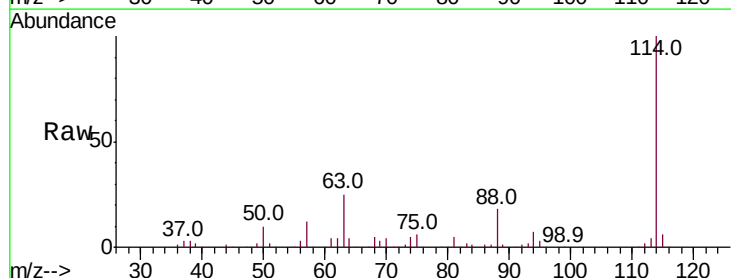
Manual Integrations
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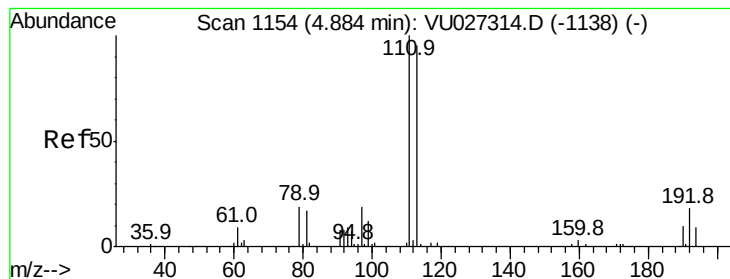
MMDadoda
 10/8/2018 1:52:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	50.2
88	17.8	0.0	33.8





#35

Dibromofluoromethane

Concen: 49.909 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion:113 Resp: 61896

Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

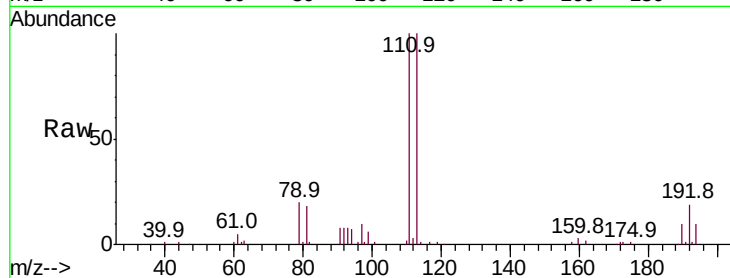
192 19.3 15.4 23.0

Manual Integrations

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MMDadoda

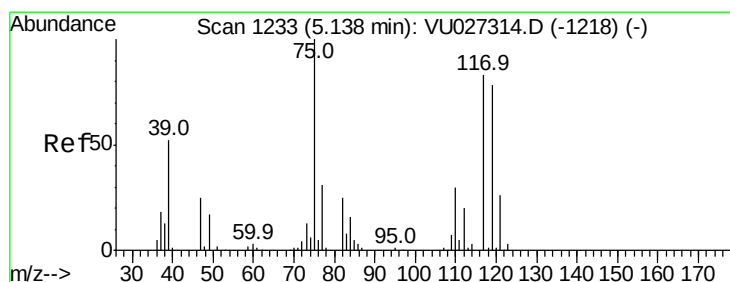
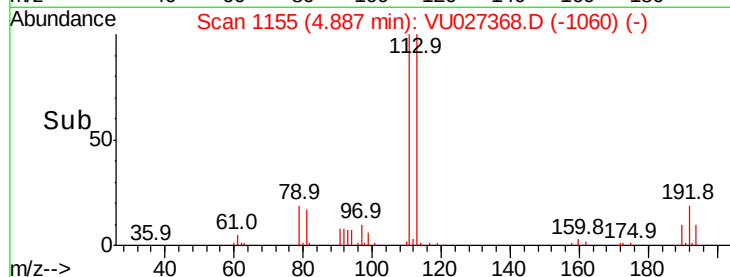
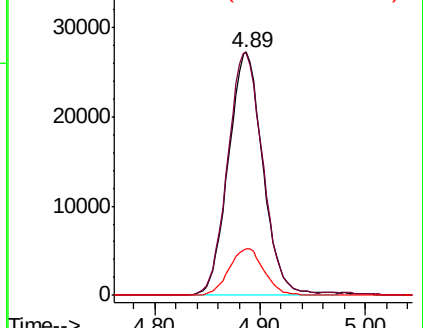
10/8/2018 1:52:28 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.525 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

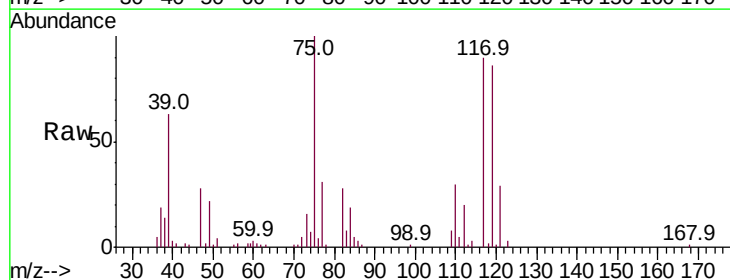
Tgt Ion: 75 Resp: 36399

Ion Ratio Lower Upper

75 100

110 32.0 15.5 46.5

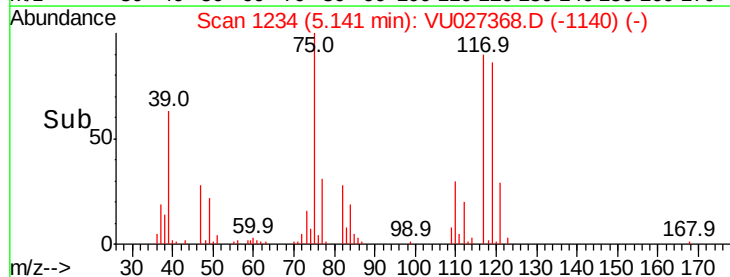
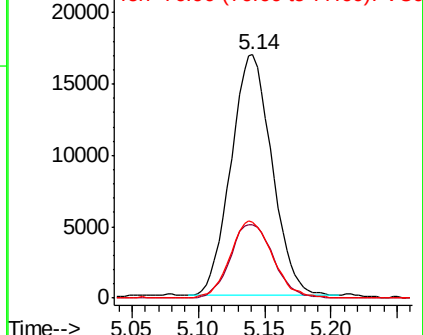
77 32.8 25.4 38.0

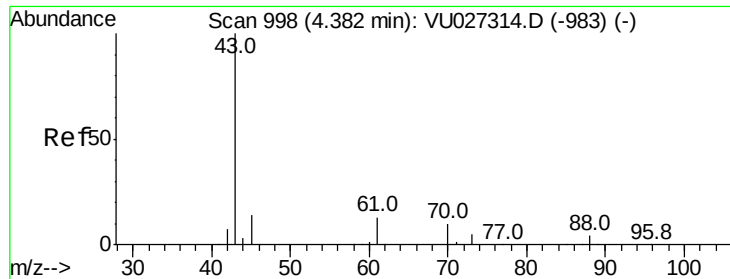


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





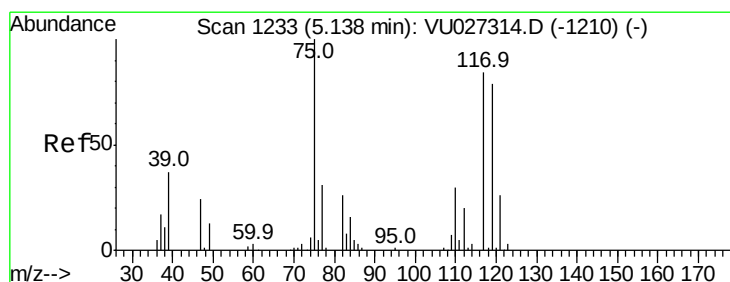
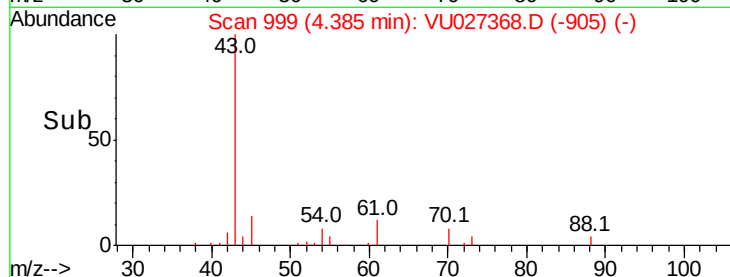
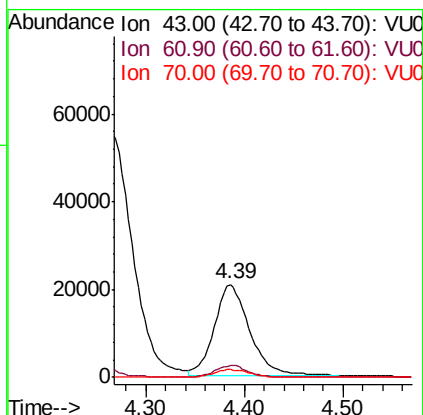
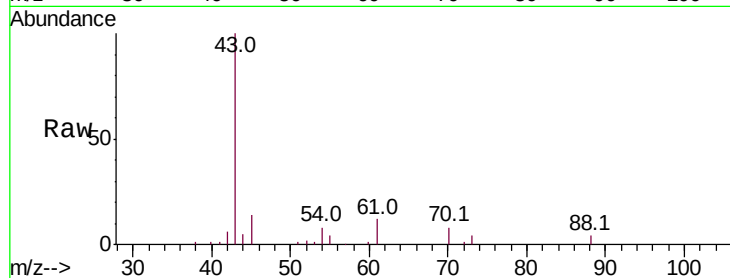
#37
Ethyl Acetate
Concen: 20.567 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	8.3	7.4	11.2

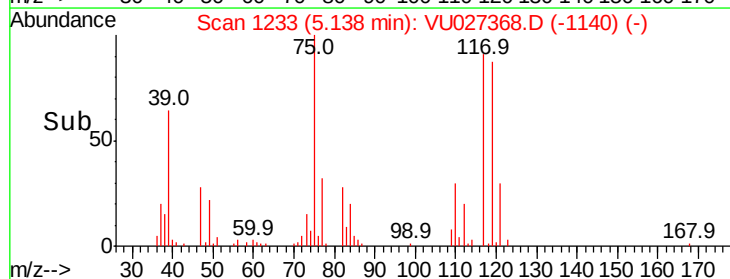
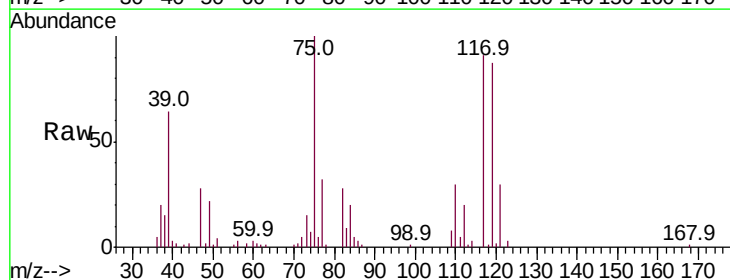
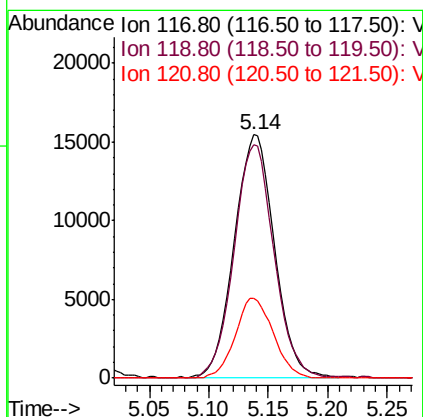
Manual Integrations
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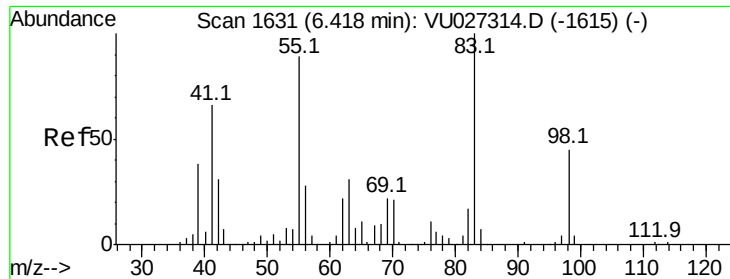
MMDadoda
10/8/2018 1:52:28 PM



#38
Carbon Tetrachloride
Concen: 20.478 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	74.5	111.7
121	32.9	24.6	37.0





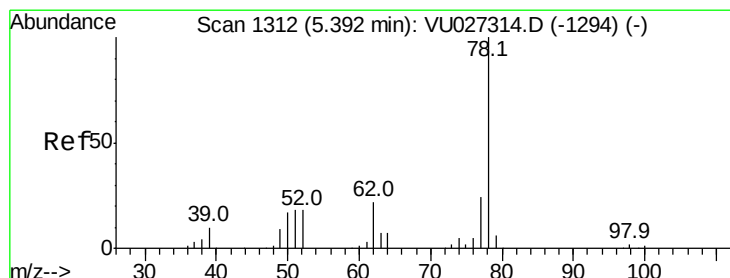
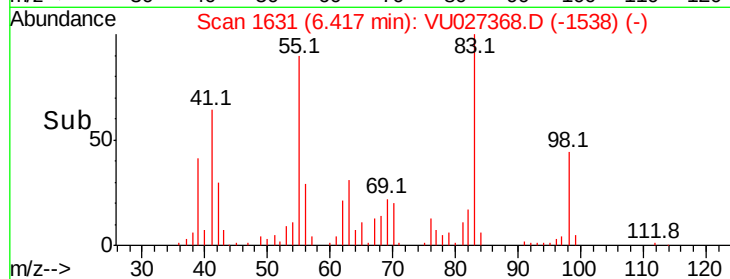
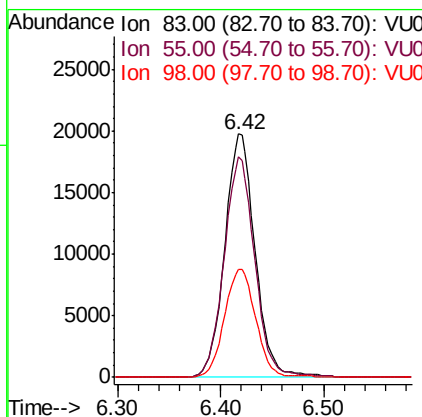
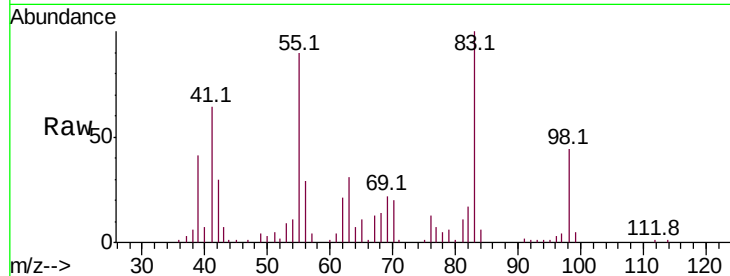
#39
Methylvlcyclohexane
Concen: 17.601 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	83	Resp	40427
Ion Ratio	100	Lower	Upper
83	100	71.1	106.7
55	90.4	36.3	54.5
98	44.4		

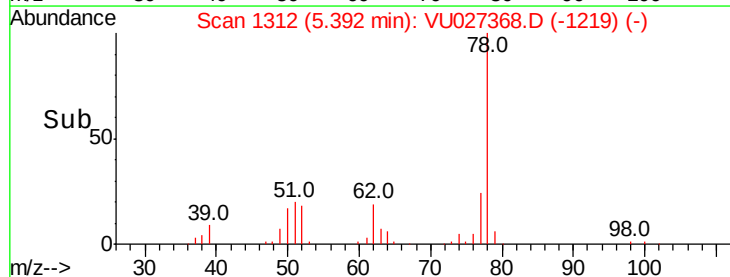
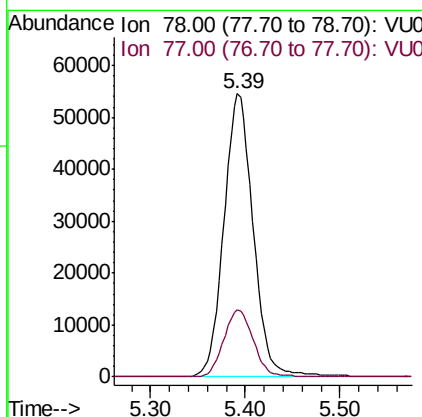
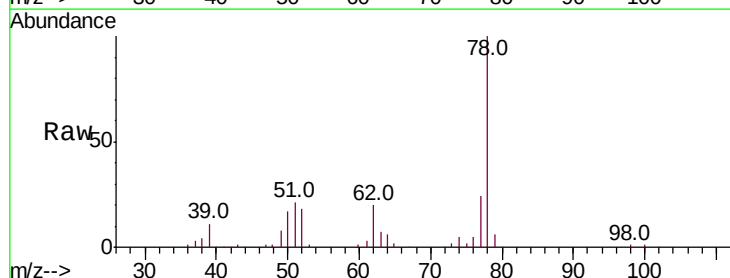
Manual Integrations
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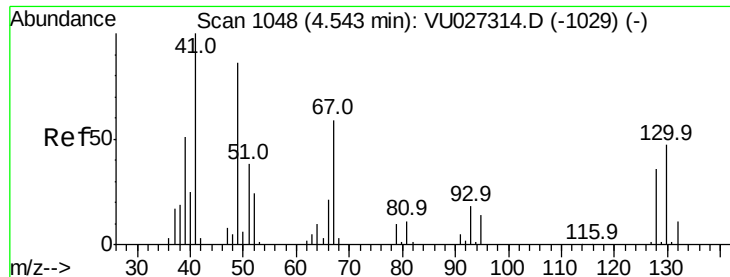
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10/8/2018 1:52:28 PM



#40
Benzene
Concen: 20.460 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	78	Resp	117102
Ion Ratio	100	Lower	Upper
78	100	19.3	28.9
77	23.8		





#41

Methacrylonitrile

Concen: 19.843 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 41 Resp: 28480

Ion Ratio Lower Upper

41 100

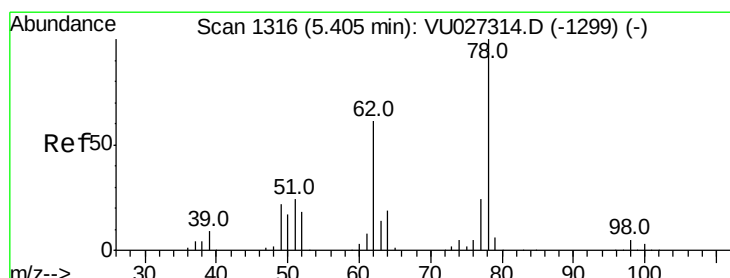
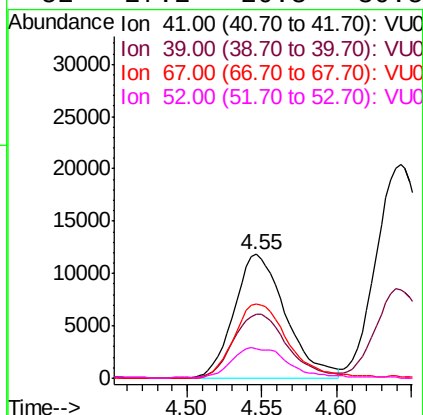
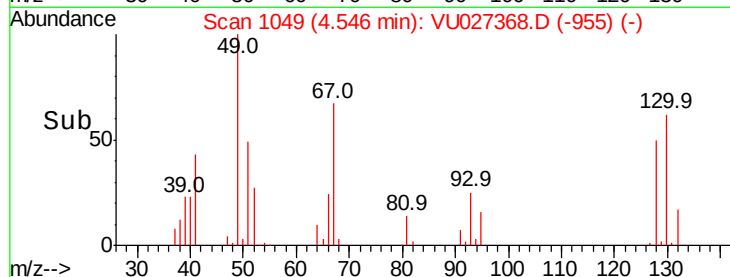
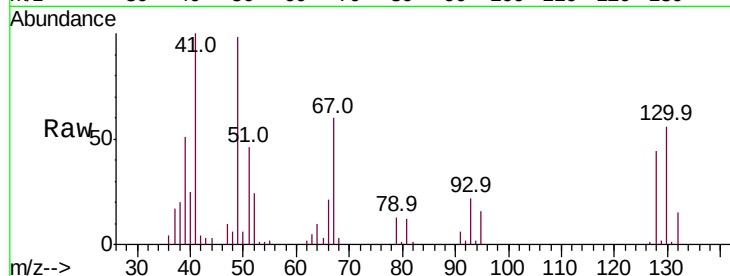
39 54.6 41.1 61.7

67 62.5 50.4 75.6

52 27.2 20.3 30.5

Manual Integrations
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10/8/2018 1:52:28 PM



#42

1,2-Dichloroethane

Concen: 21.306 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027368.D

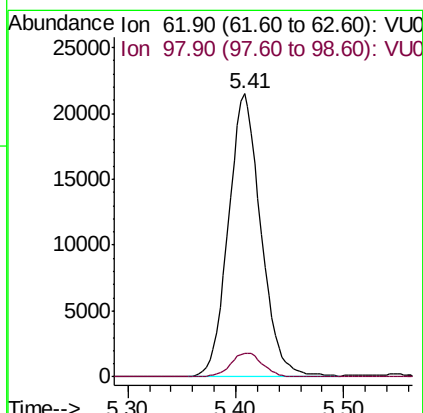
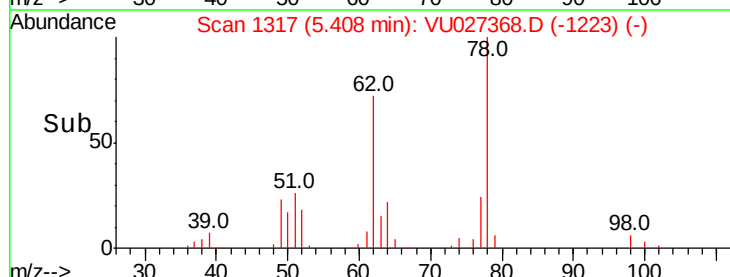
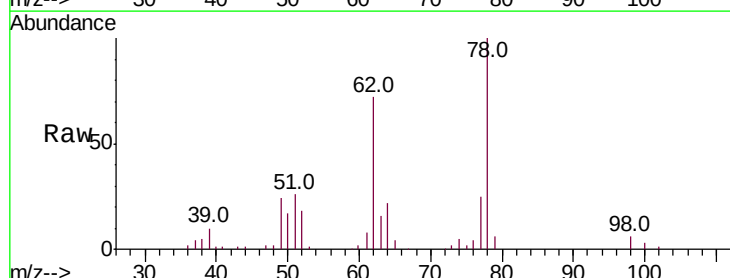
Acq: 03 Oct 2018 20:19

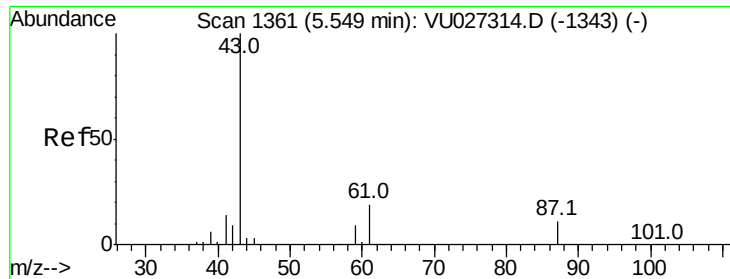
Tgt Ion: 62 Resp: 45264

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.8





#43

Isopropyl Acetate

Concen: 19.670 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

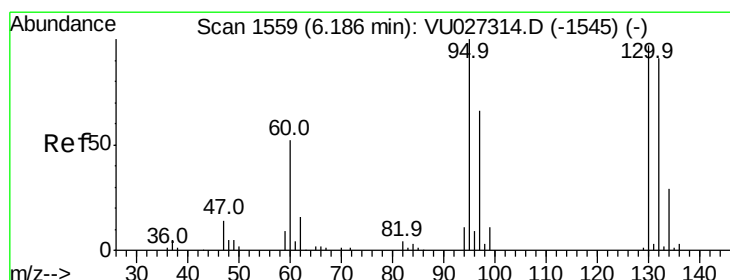
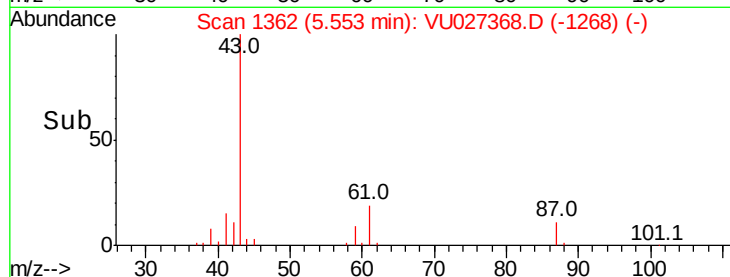
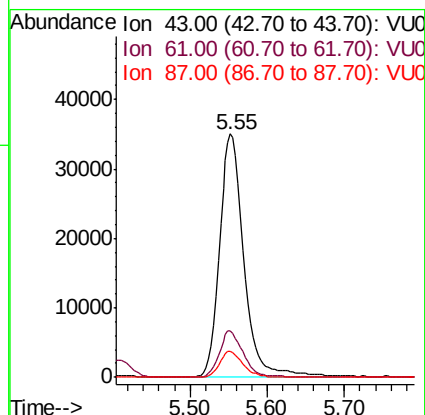
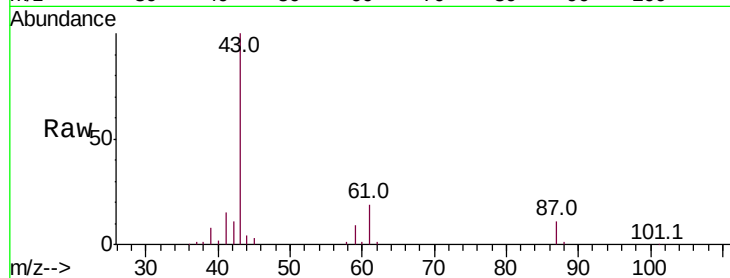
ClientSampleId :

VU1004WBSD01

Tot Ion:	43	Resp:	77576
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.3	22.9
87	10.2	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.962 ug/l

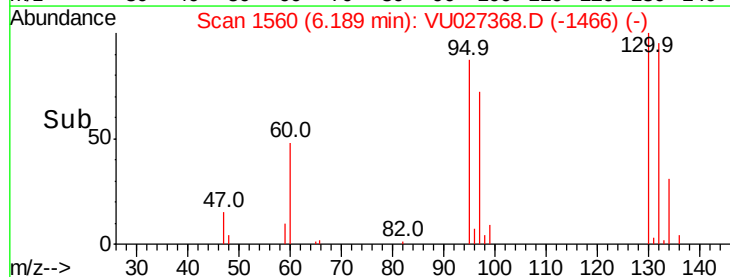
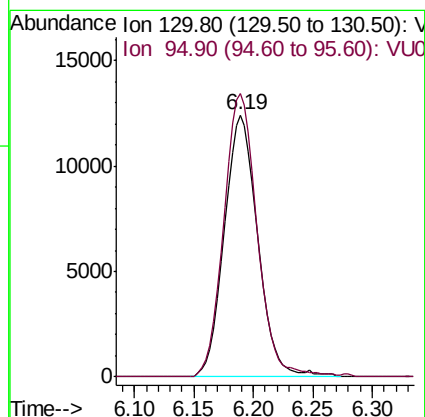
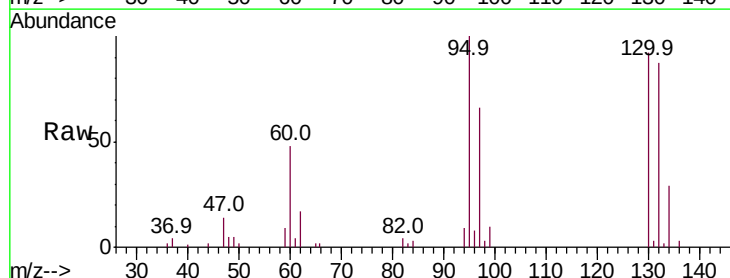
RT: 6.19 min Scan# 1560

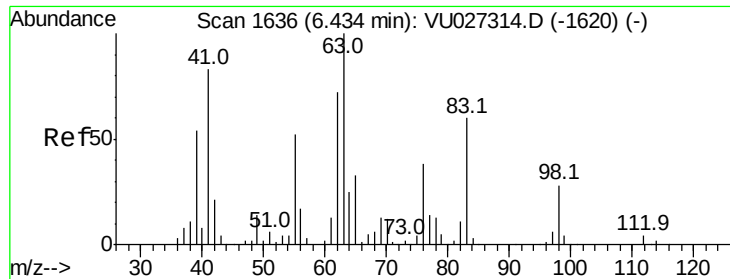
Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion:	130	Resp:	24199
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	207.0





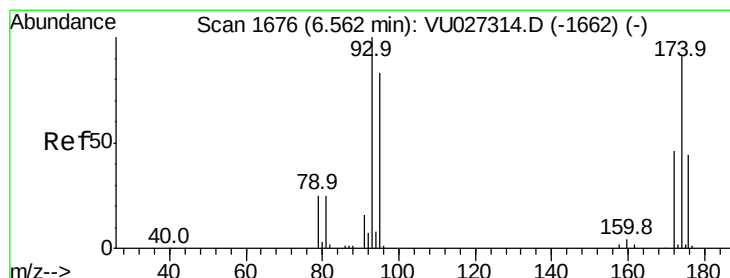
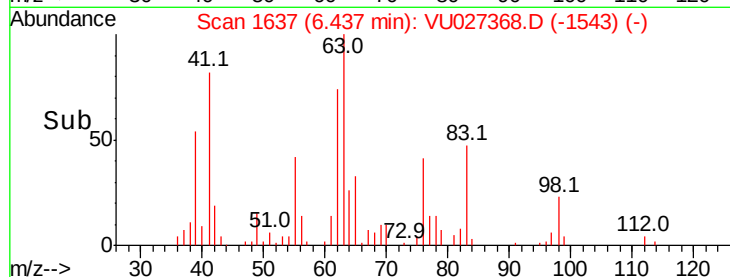
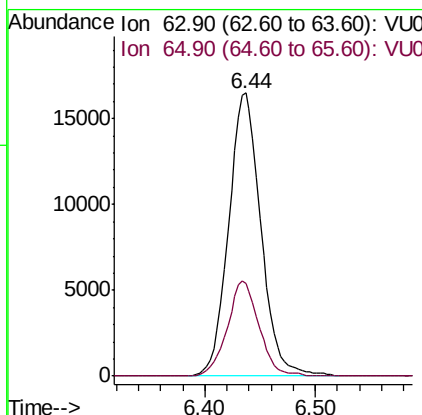
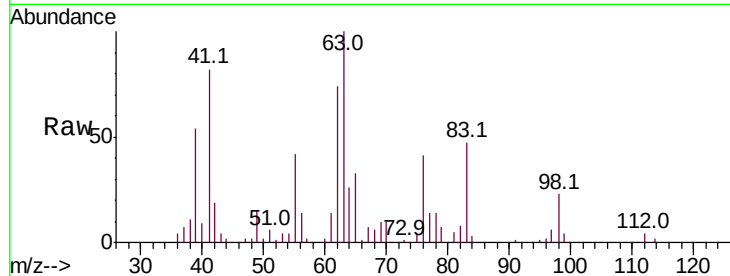
#45
1,2-Dichloropropane
Concen: 20.214 ug/l
RT: 6.44 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion: 63 Resp: 33369
Ion Ratio Lower Upper
63 100
65 32.7 26.0 39.0

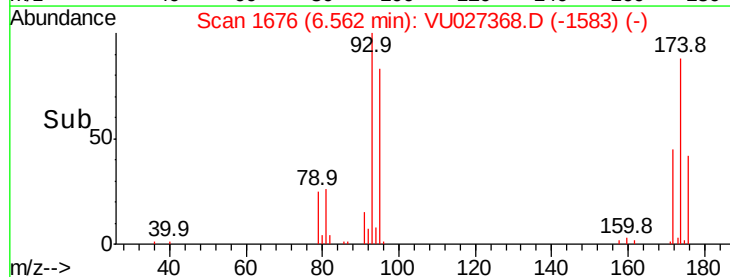
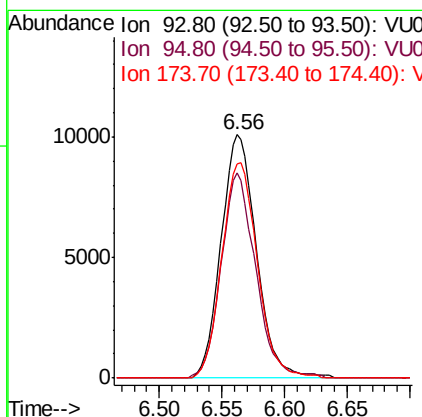
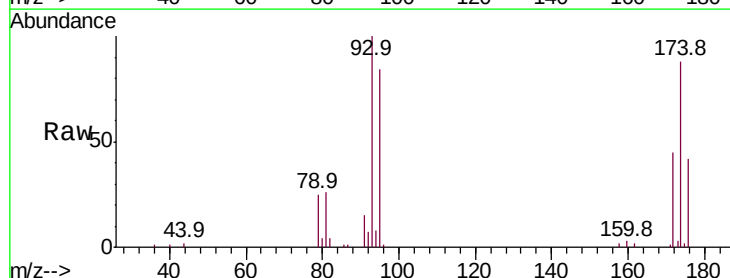
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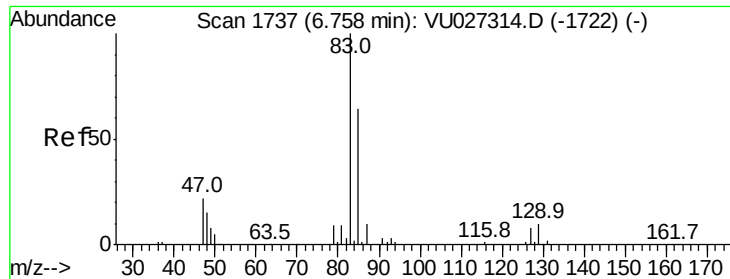
MMDadoda
10/8/2018 1:52:28 PM



#46
Dibromomethane
Concen: 21.253 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 93 Resp: 19815
Ion Ratio Lower Upper
93 100
95 82.3 66.5 99.7
174 89.1 72.5 108.7





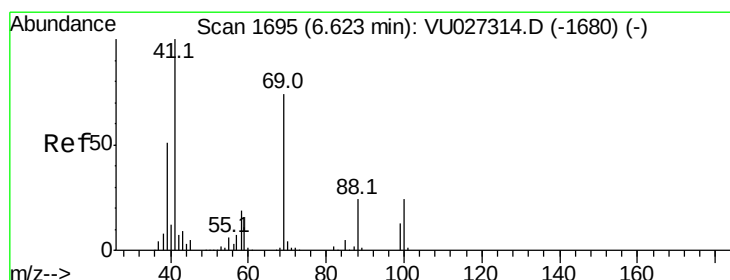
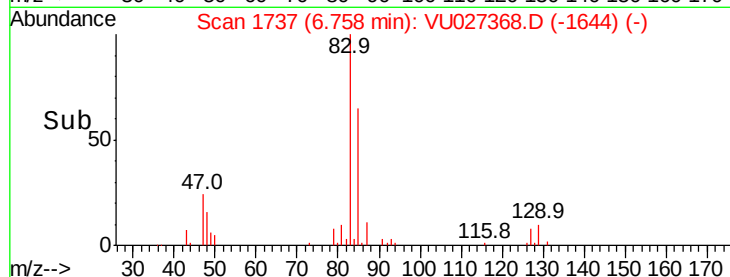
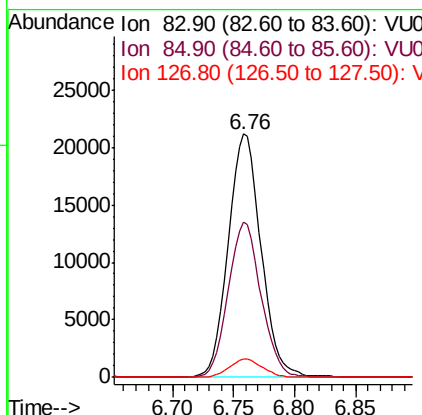
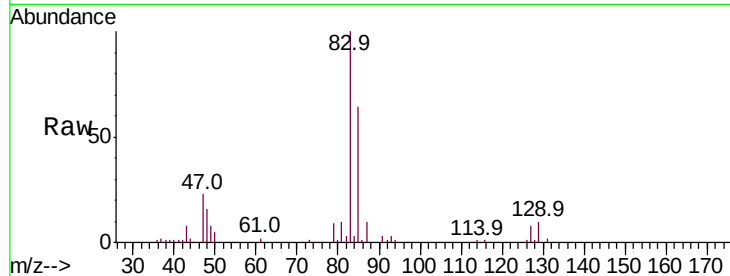
#47
Bromodichloromethane
Concen: 20.552 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	83	Resp	39760
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	63.6		
127	7.7		

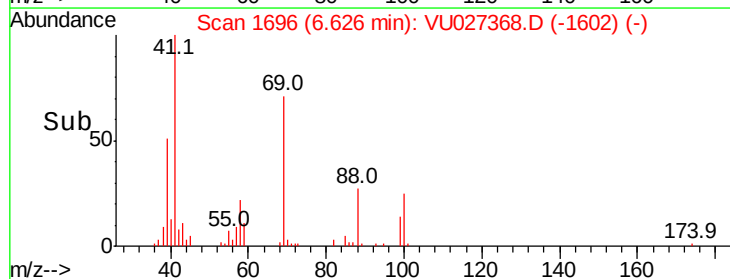
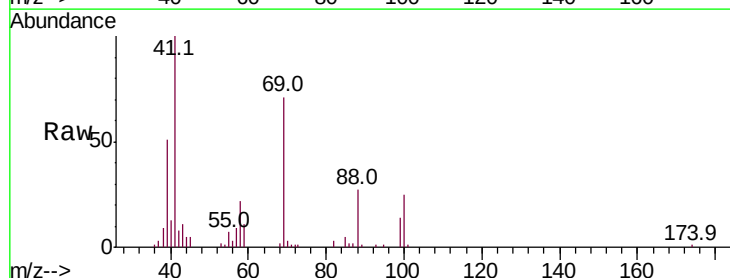
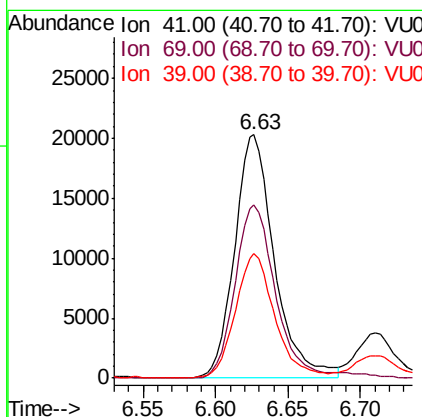
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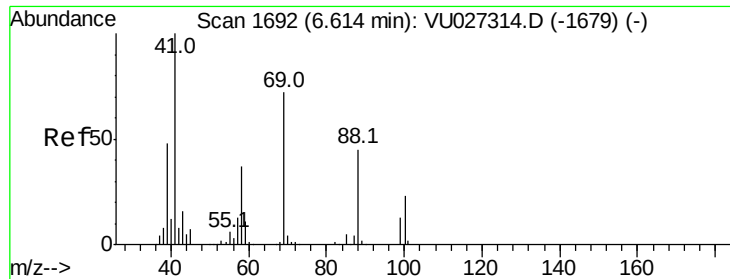
MMDadoda
10/8/2018 1:52:28 PM



#48
Methyl methacrylate
Concen: 19.725 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	41	Resp	38685
Ion Ratio	100		
Lower	61.0		
Upper	91.4		
69	71.8		
39	50.8		





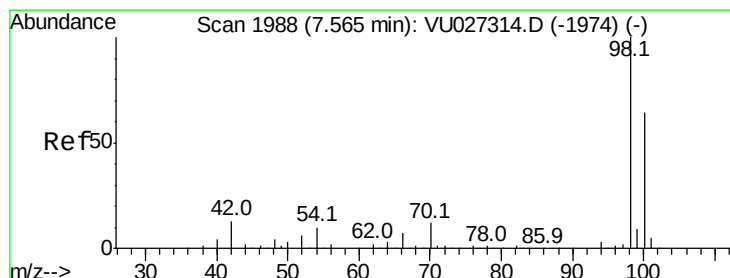
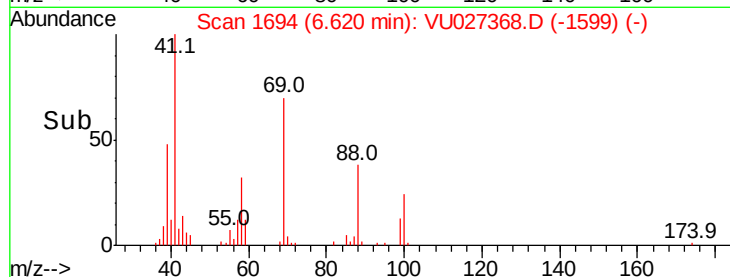
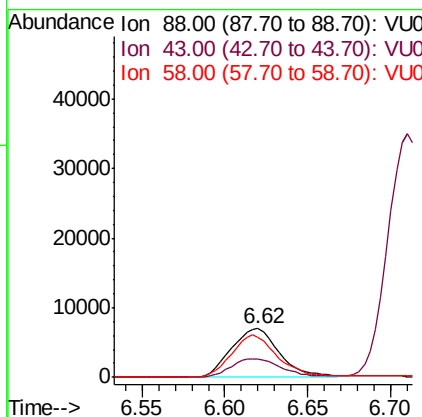
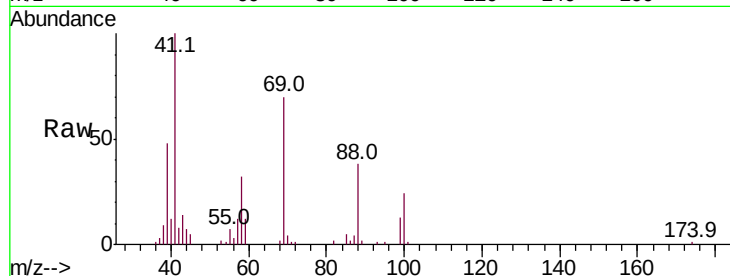
#49
1,4-Dioxane
Concen: 422.317 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.8	46.2
58	81.7	67.0	100.6

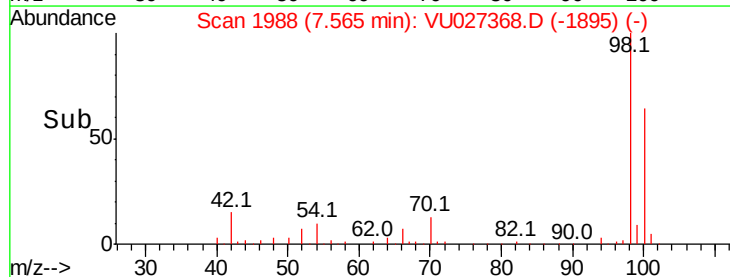
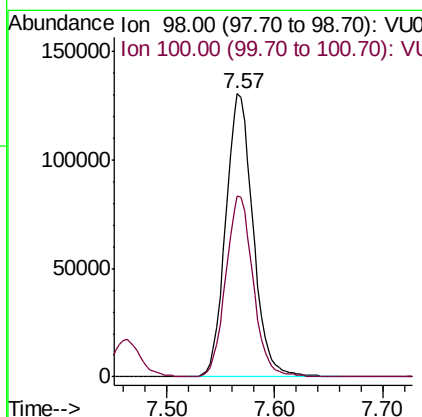
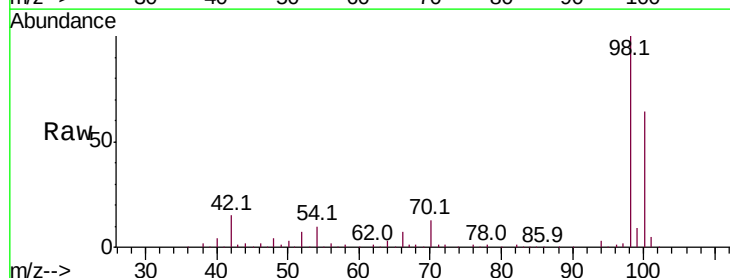
Manual Integrations
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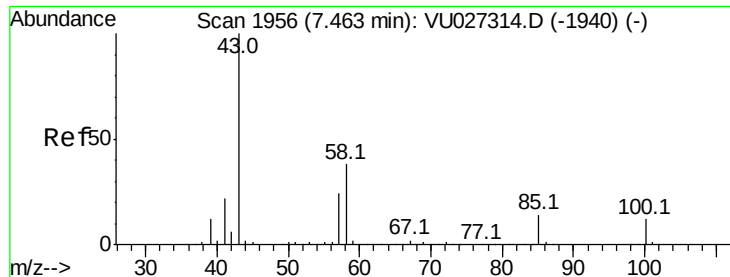
MMDadoda
10/8/2018 1:52:28 PM



#50
Toluene-d8
Concen: 49.790 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 101.228 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 43 Resp: 259427

Ion Ratio Lower Upper

43 100

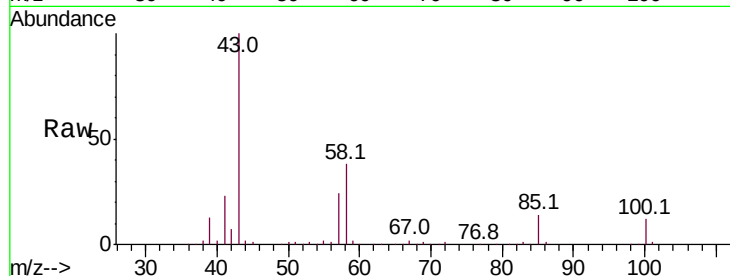
58 36.9 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

150000

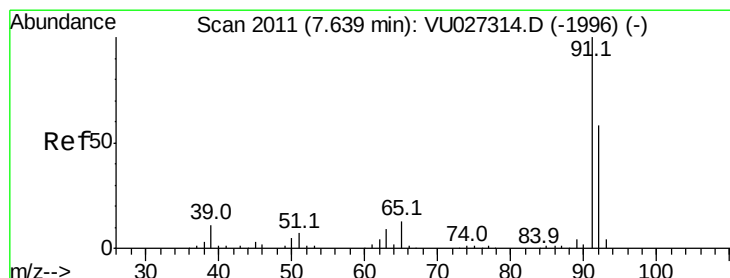
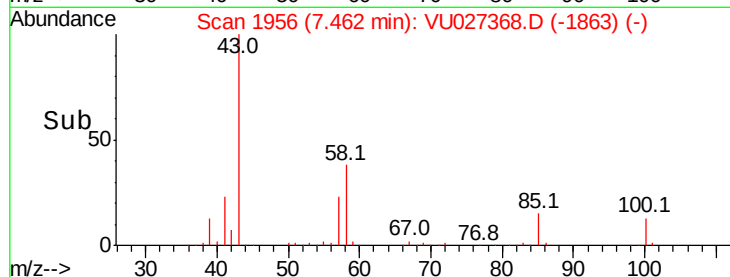
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 19.769 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027368.D

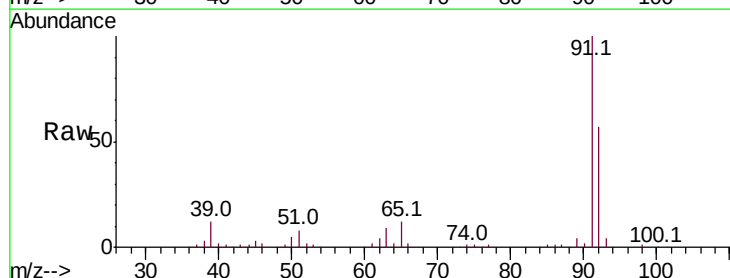
Acq: 03 Oct 2018 20:19

Tgt Ion: 92 Resp: 66968

Ion Ratio Lower Upper

92 100

91 172.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

60000

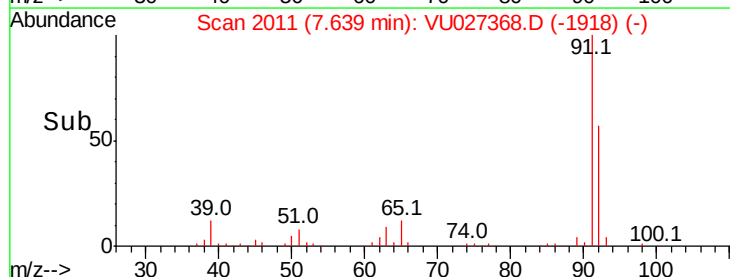
40000

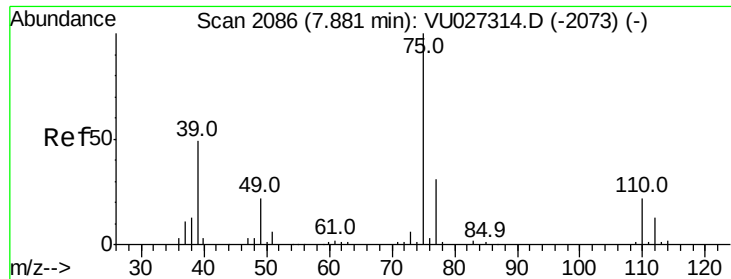
20000

0

7.60 7.64 7.70

Time-->





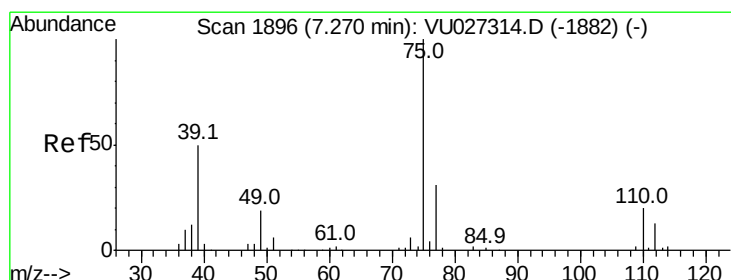
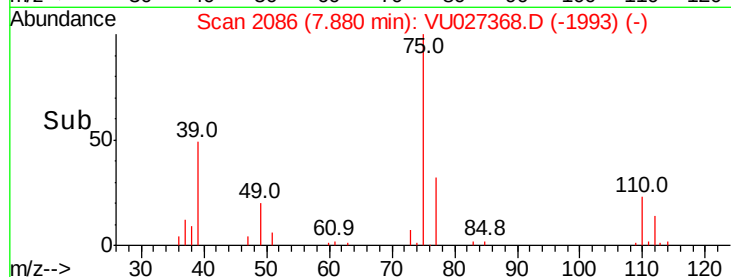
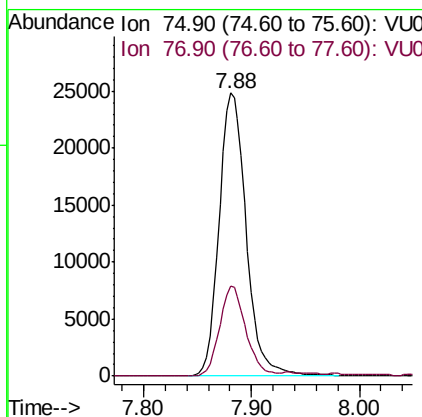
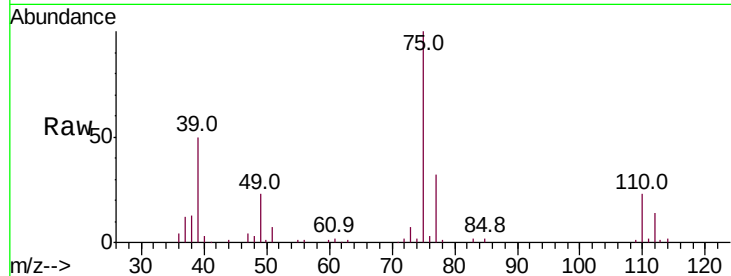
#53
t-1,3-Dichloropropene
Concen: 19.131 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion: 75 Resp: 43394
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

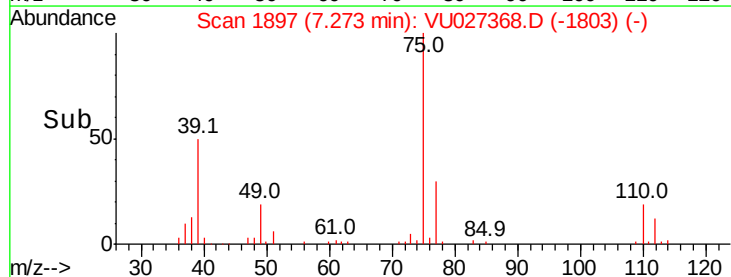
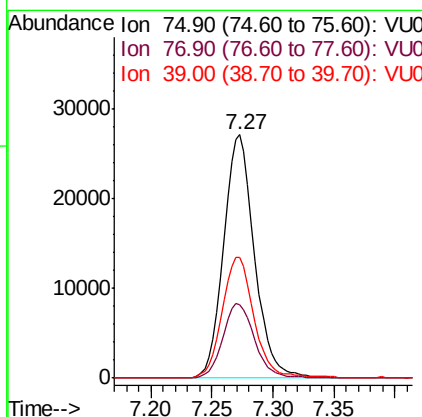
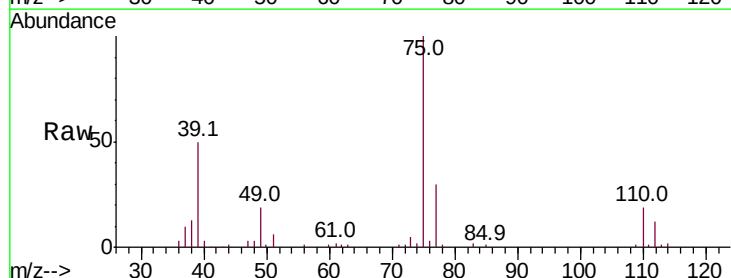
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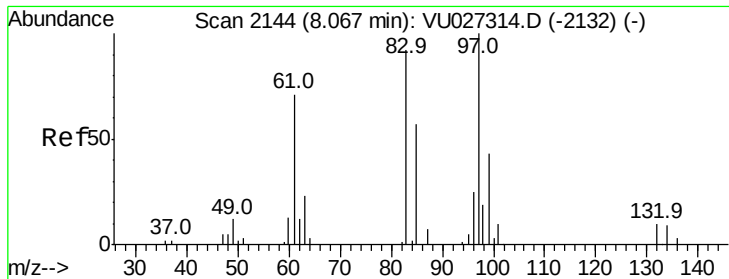
MMDadoda
10/8/2018 1:52:28 PM



#54
cis-1,3-Dichloropropene
Concen: 19.699 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 75 Resp: 48036
Ion Ratio Lower Upper
75 100
77 30.2 24.5 36.7
39 49.5 40.1 60.1





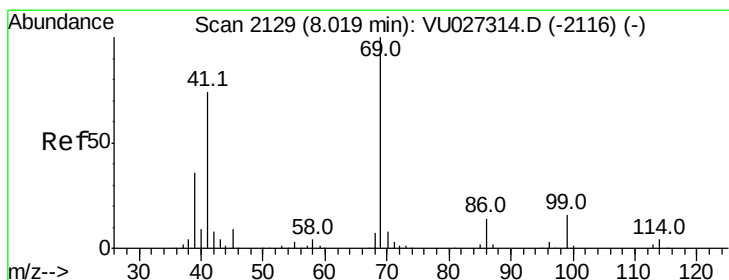
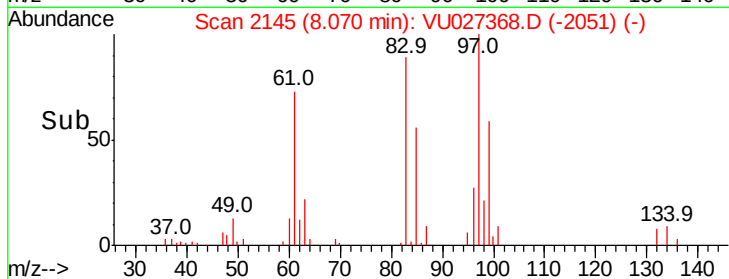
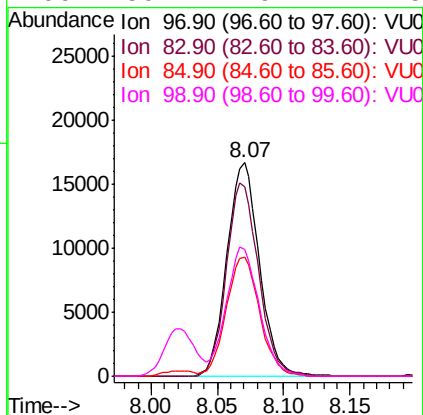
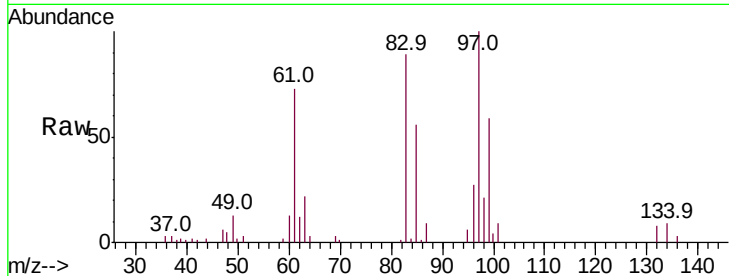
#55
 1,1,2-Trichloroethane
 Concen: 21.206 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.7	73.0	109.6	
85	55.6	47.3	70.9	
99	59.2	49.7	74.5	

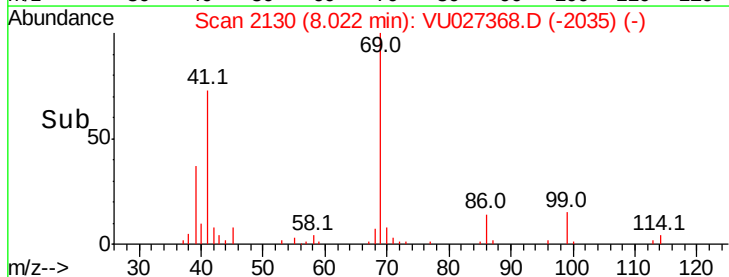
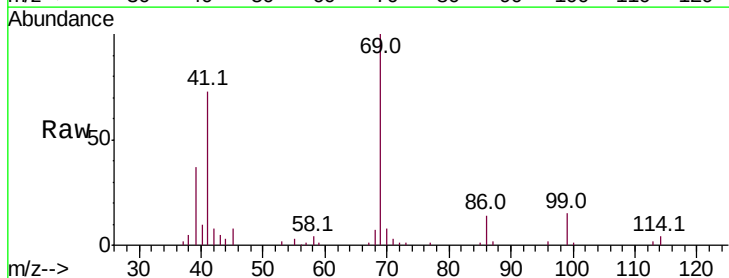
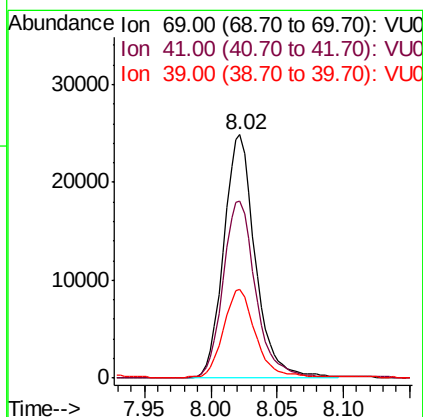
Manual Integrations
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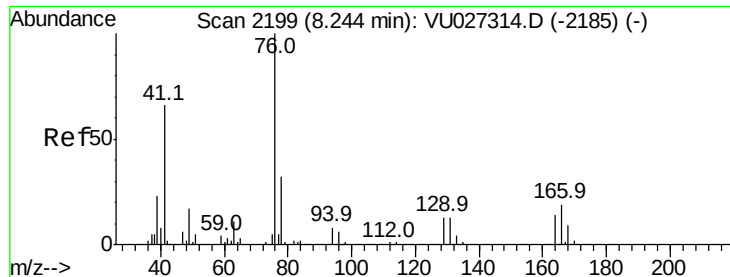
MMDadoda
 10/8/2018 1:52:28 PM



#56
 Ethyl methacrylate
 Concen: 17.553 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	75.0	60.0	90.0	
39	37.5	29.5	44.3	





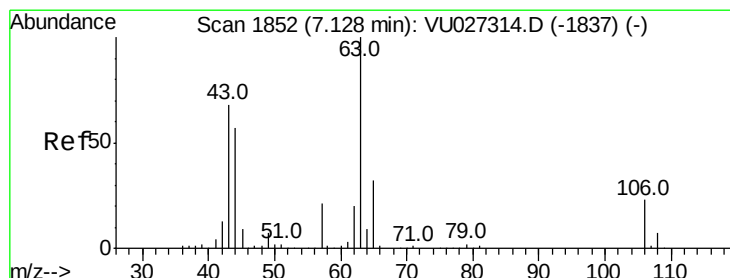
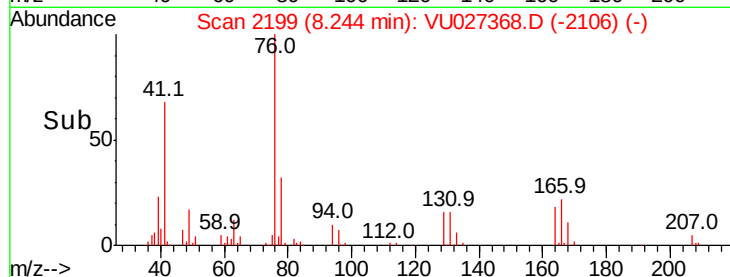
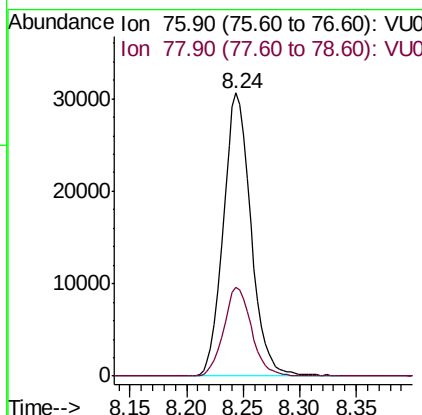
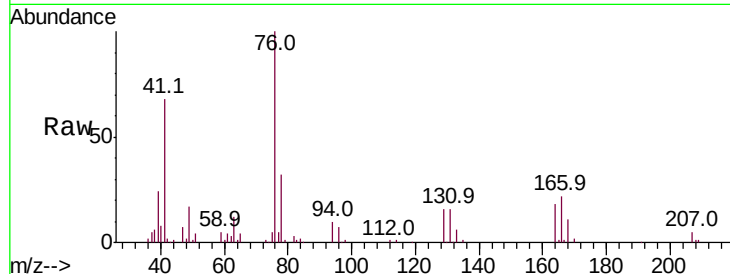
#57
 1,3-Dichloropropane
 Concen: 19.979 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion: 76 Resp: 52094
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.6

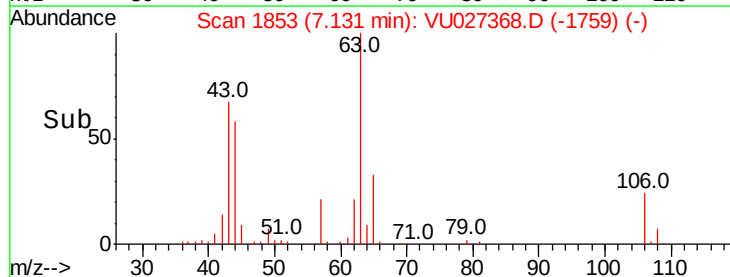
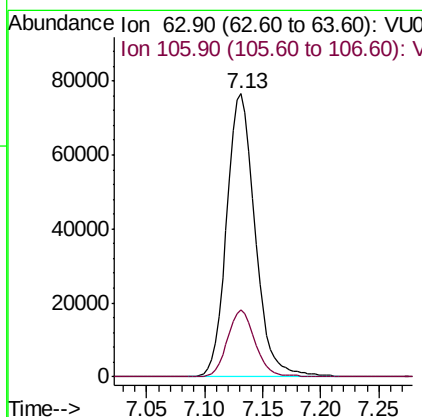
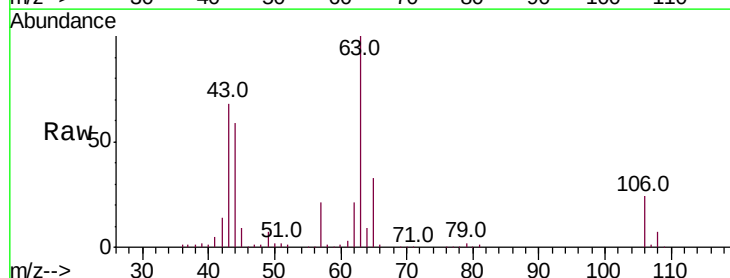
Manual Integrations
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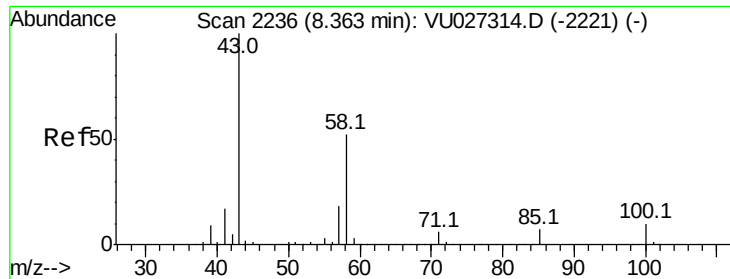
MMDadoda
 10/8/2018 1:52:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.417 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion: 63 Resp: 130264
 Ion Ratio Lower Upper
 63 100
 106 23.1 18.5 27.7





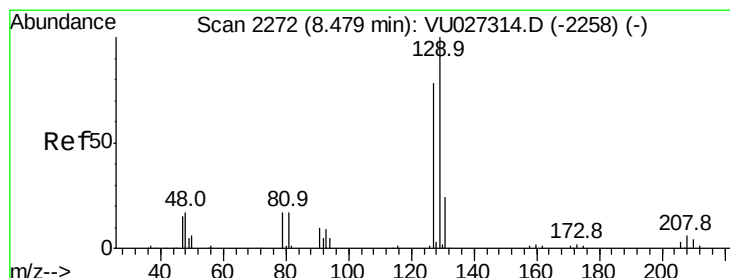
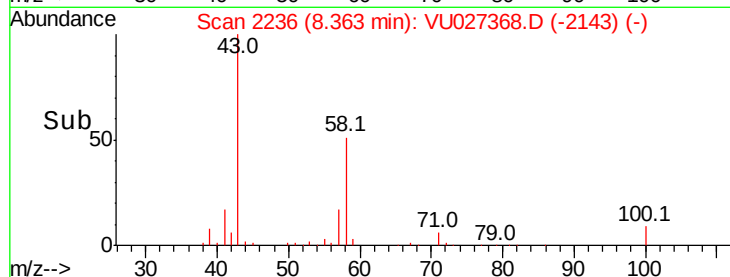
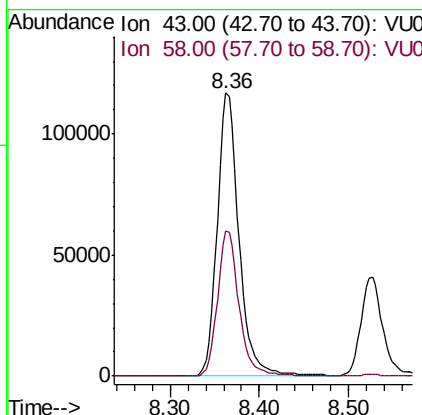
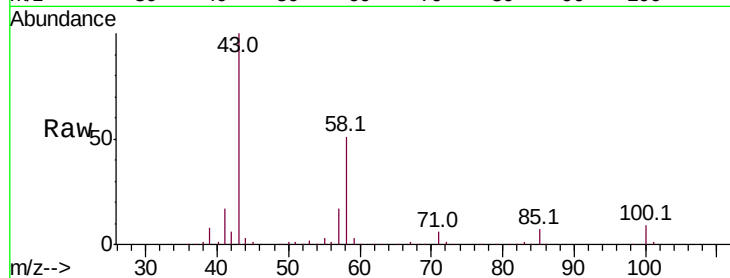
#59
2-Hexanone
Concen: 99.498 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleID :
VU1004WBSD01

Tot Ion: 43 Resp: 197803
Ion Ratio Lower Upper
43 100
58 50.8 26.1 78.3

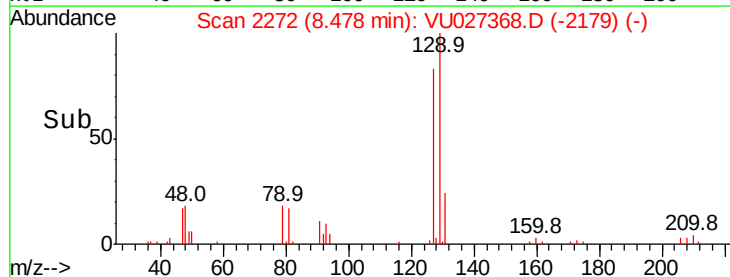
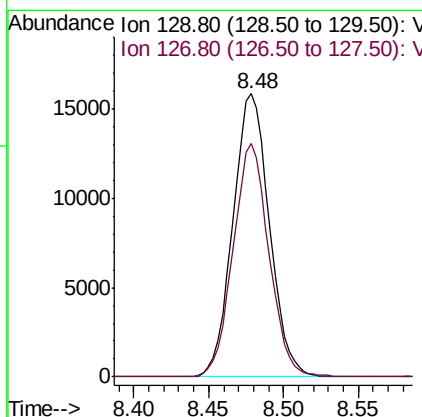
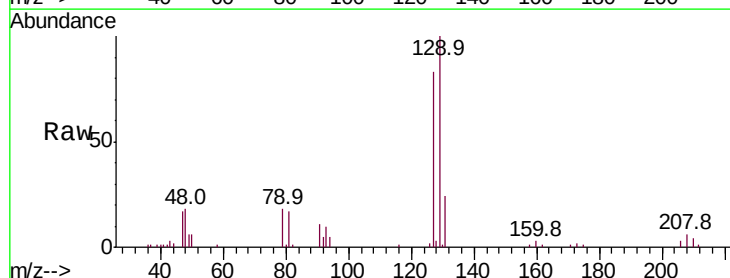
Manual Integrations
APPROVED

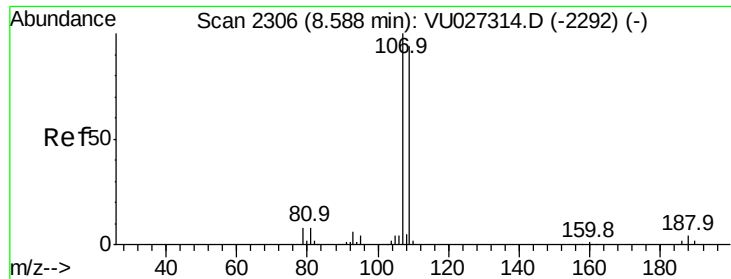
MMDadoda
10/8/2018 1:52:28 PM



#60
Dibromochloromethane
Concen: 20.032 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 129 Resp: 26985
Ion Ratio Lower Upper
129 100
127 80.6 39.1 117.2





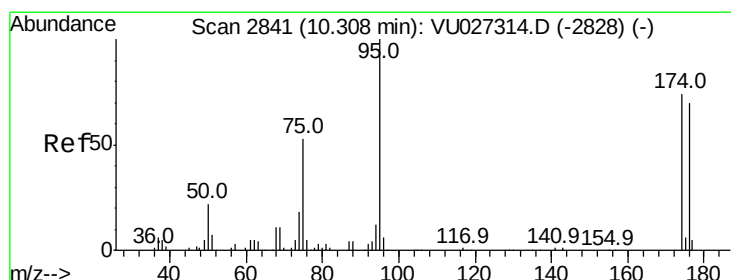
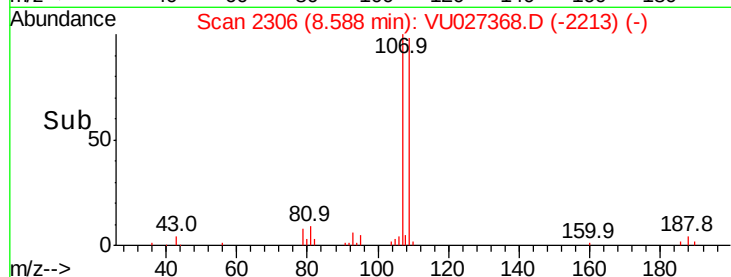
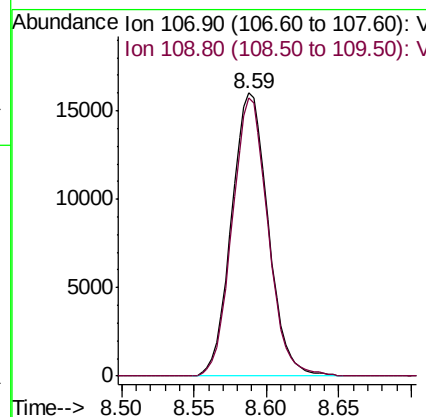
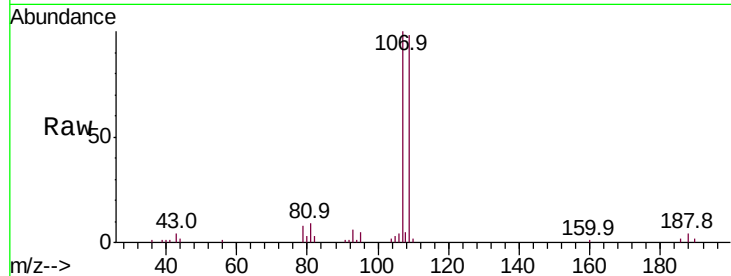
#61
 1,2-Dibromoethane
 Concen: 19.648 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.5	111.7

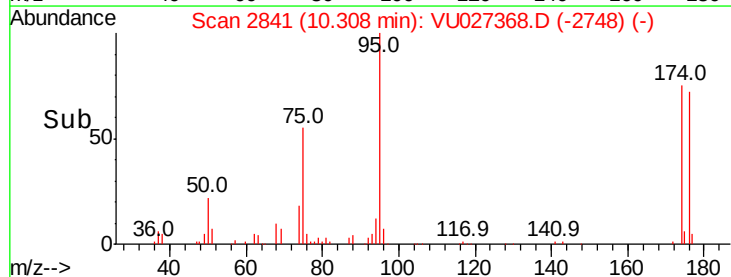
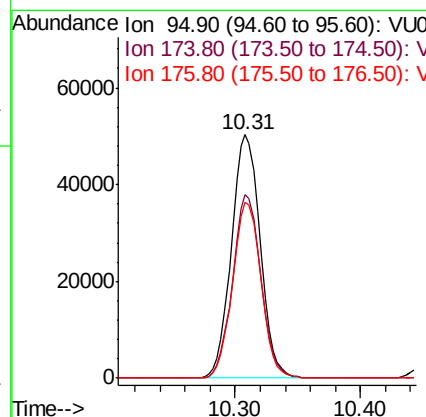
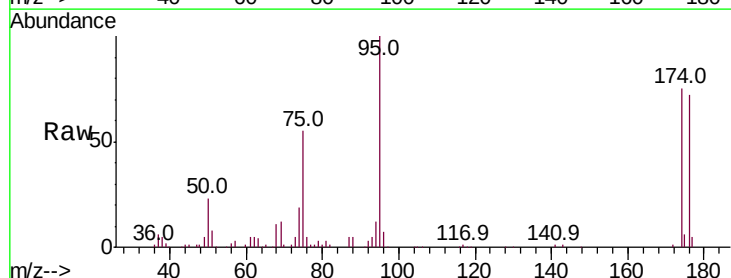
Manual Integrations
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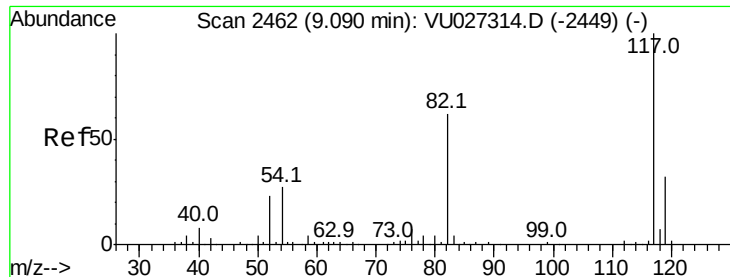
MMDadoda
 10/8/2018 1:52:28 PM



#62
 4-Bromofluorobenzene
 Concen: 46.356 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	147.8
176	71.4	0.0	140.8





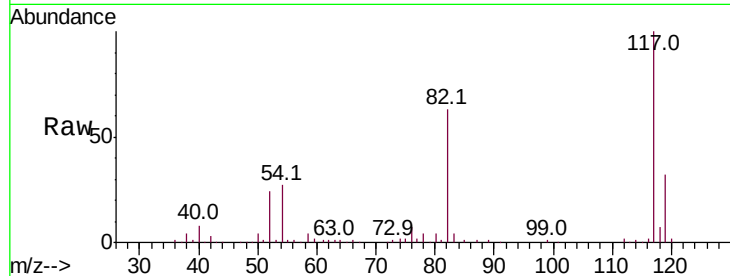
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	165577		
82	62.7	49.2	73.8	
119	31.8	25.7	38.5	

Manual Integrations
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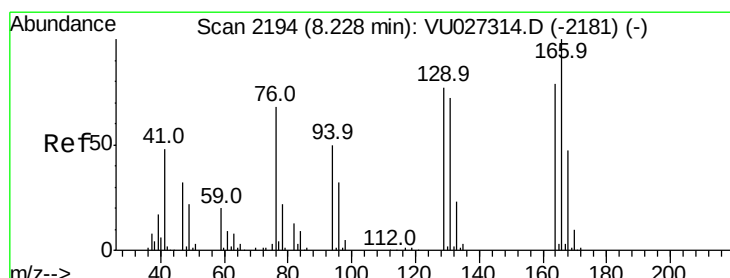
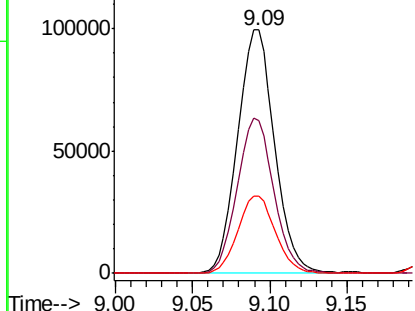
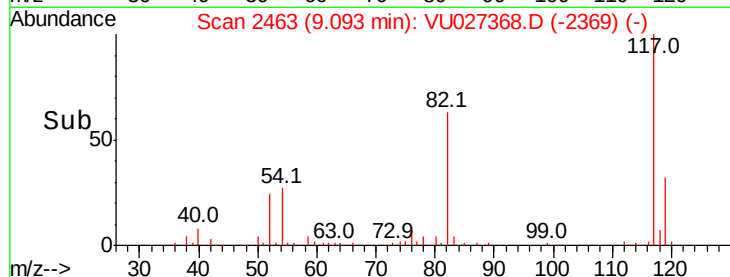


Abundance

Ion 116.90 (116.60 to 117.60): V

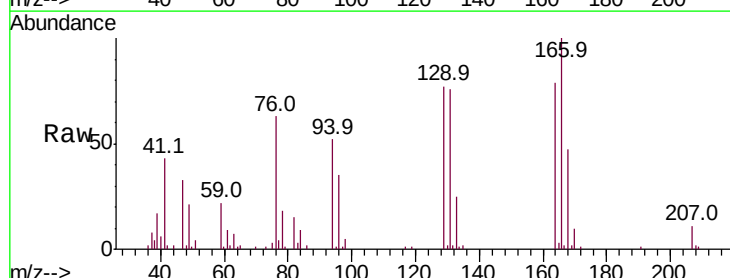
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.276 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20899		
166	126.5	101.0	151.6	
129	97.3	78.0	117.0	
131	96.0	72.6	109.0	



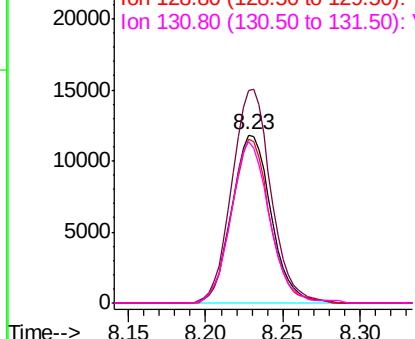
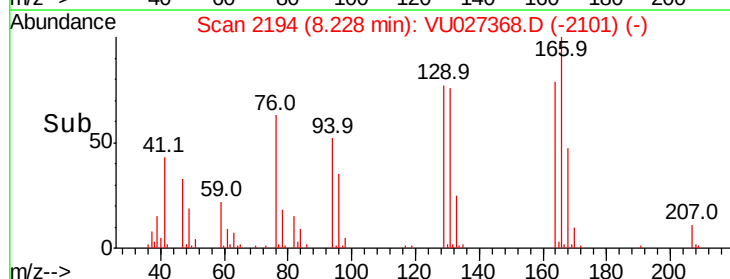
Abundance

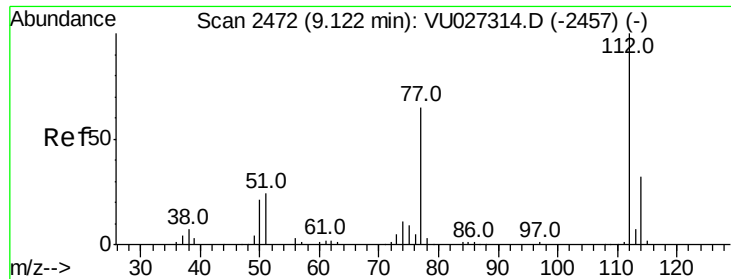
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





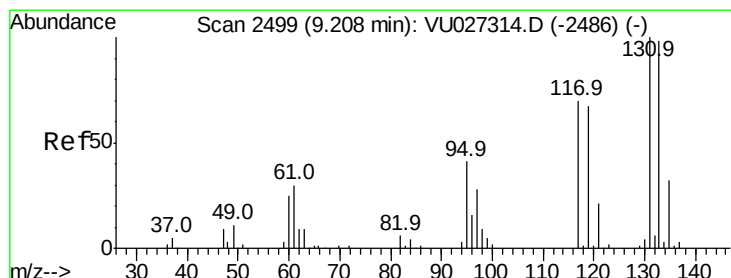
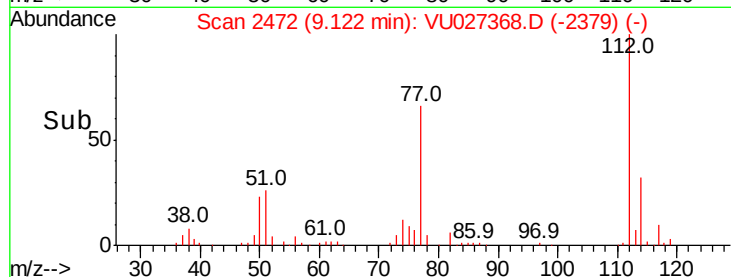
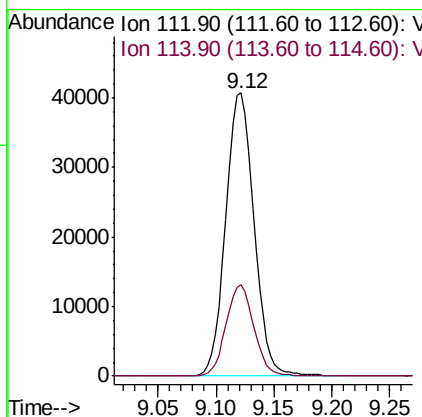
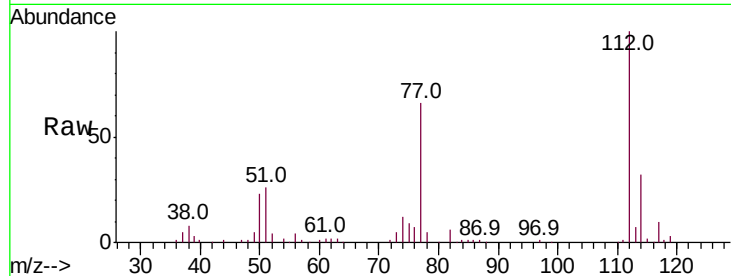
#65
Chlorobenzene
Concen: 19.722 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion:112 Resp: 68738
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

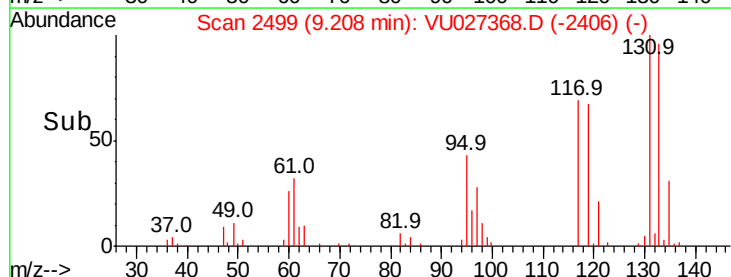
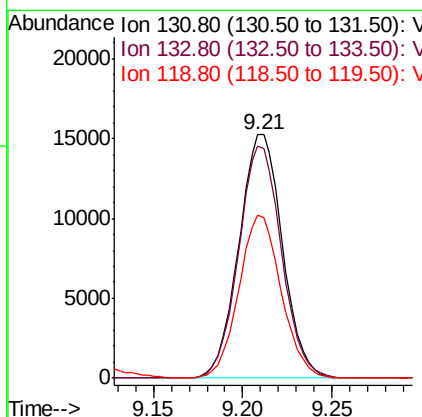
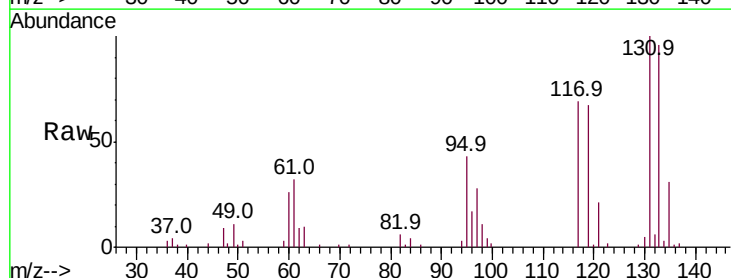
Manual Integrations
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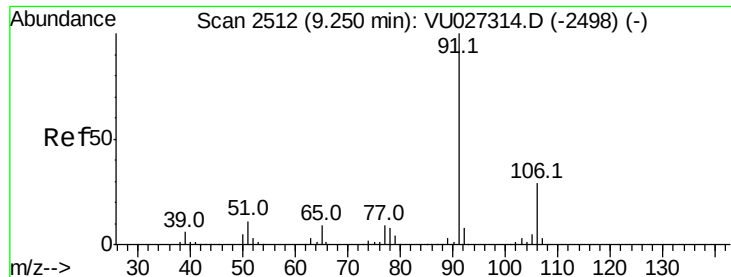
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.530 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion:131 Resp: 25904
Ion Ratio Lower Upper
131 100
133 94.1 48.5 145.6
119 65.0 33.5 100.4





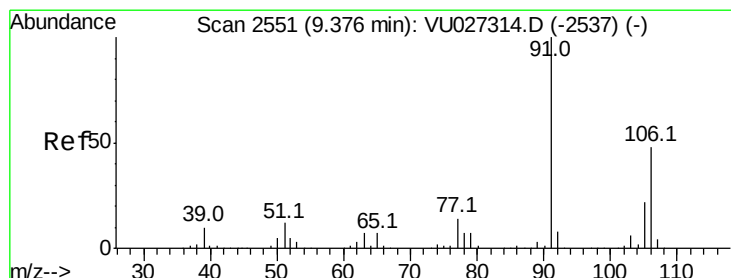
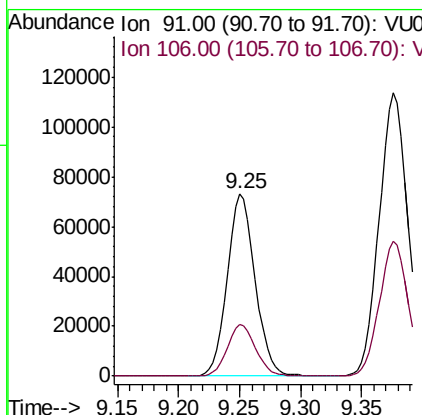
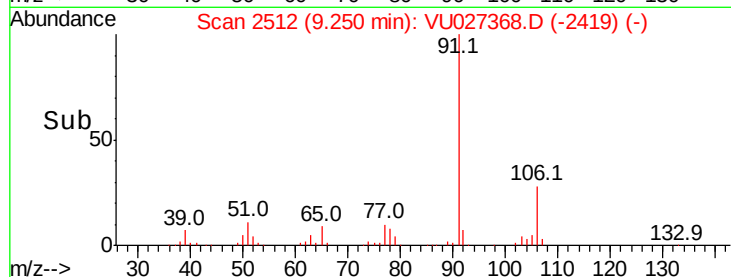
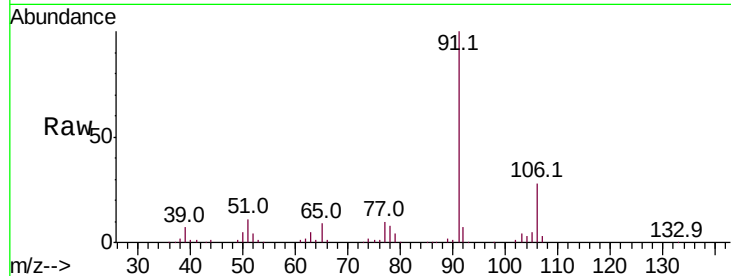
#67
Ethyl Benzene
Concen: 18.975 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion: 91 Resp: 117170
Ion Ratio Lower Upper
91 100
106 28.5 23.6 35.4

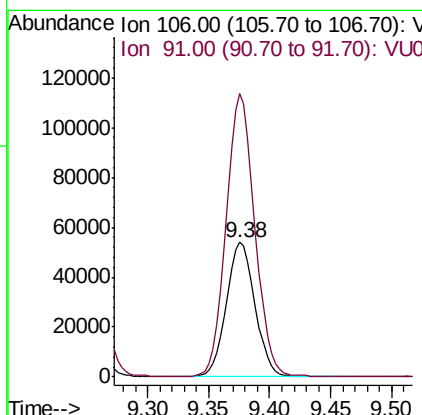
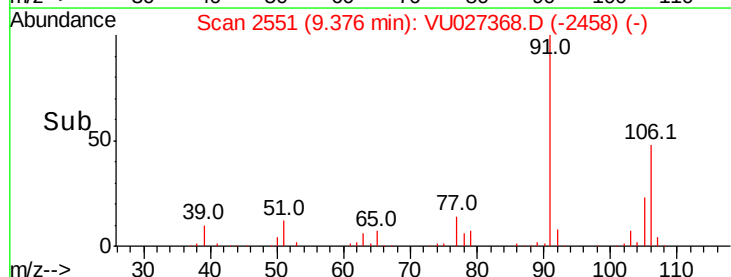
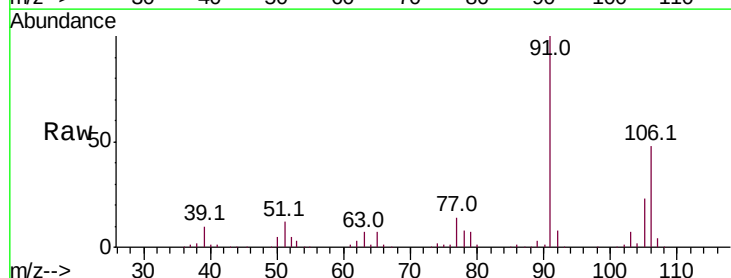
Manual Integrations
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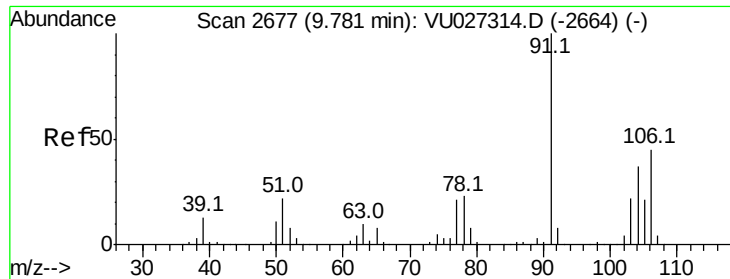
MMDadoda
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#68
m/p-Xylenes
Concen: 39.349 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion: 106 Resp: 88877
Ion Ratio Lower Upper
106 100
91 210.1 168.1 252.1





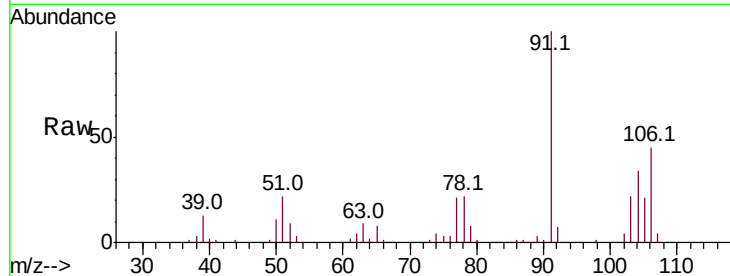
#69
o-Xylene
Concen: 19.489 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

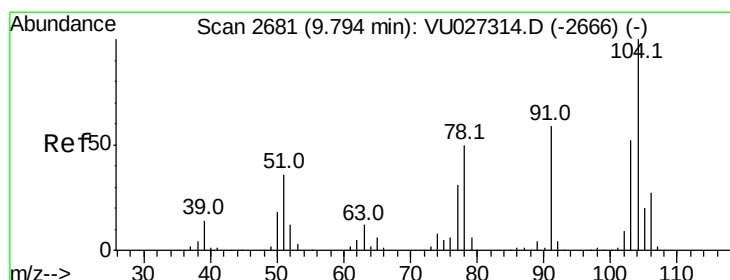
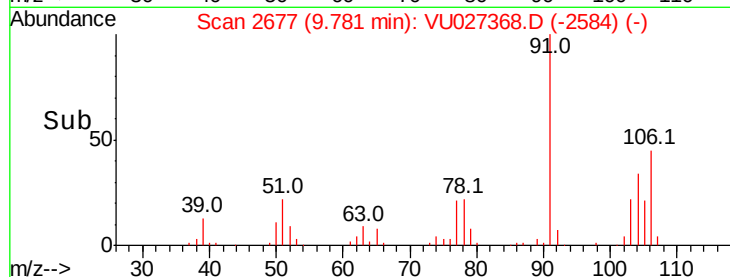
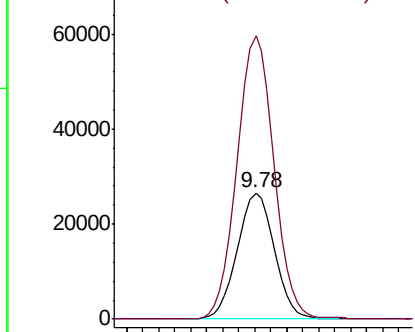
Tot Ion:106 Resp: 41832
Ion Ratio Lower Upper
106 100
91 224.0 111.7 334.9

Manual Integrations
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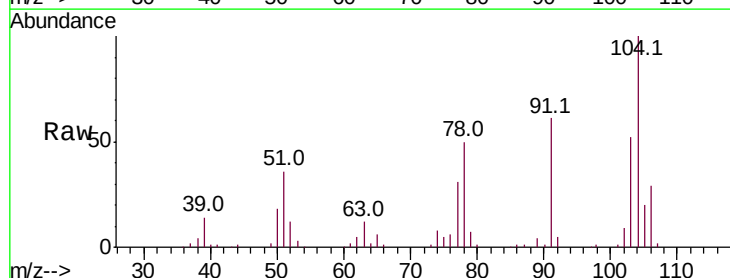


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

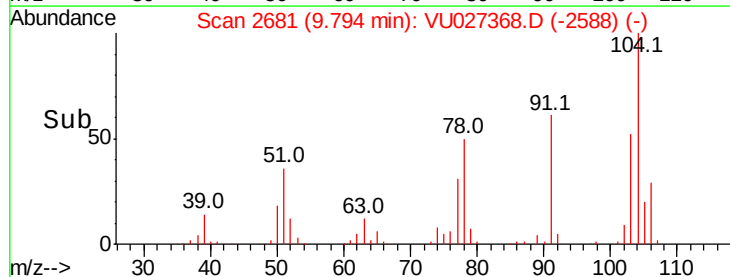
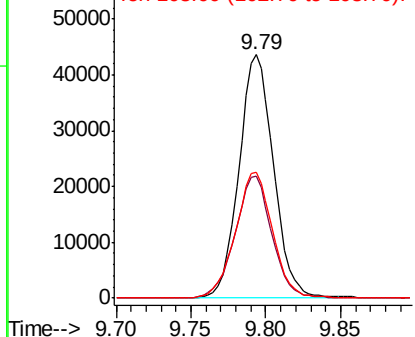


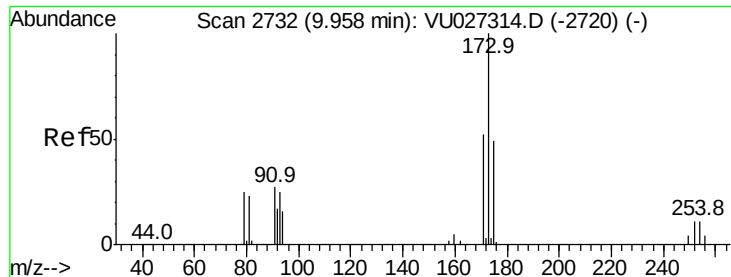
#70
Styrene
Concen: 18.963 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion:104 Resp: 70083
Ion Ratio Lower Upper
104 100
78 53.5 42.9 64.3
103 55.3 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





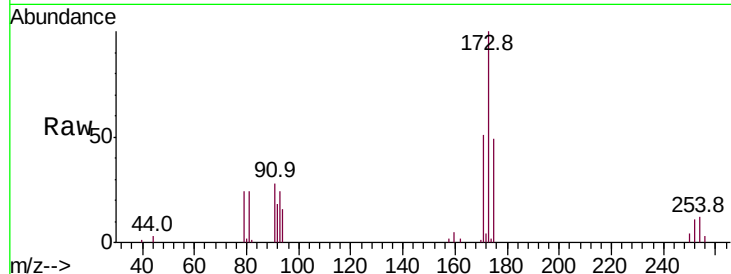
#71
Bromoform
Concen: 19.970 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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10/8/2018 1:52:28 PM

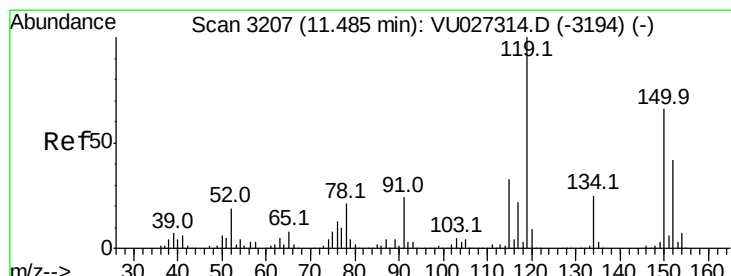
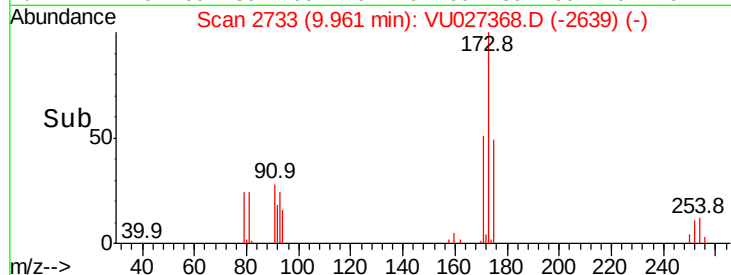
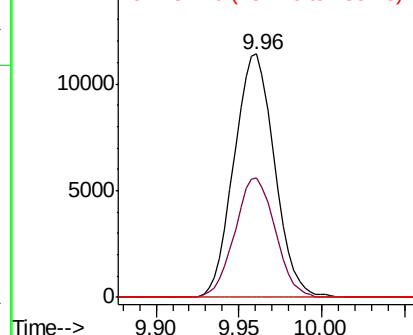


Abundance

Ion 172.70 (172.40 to 173.40): V

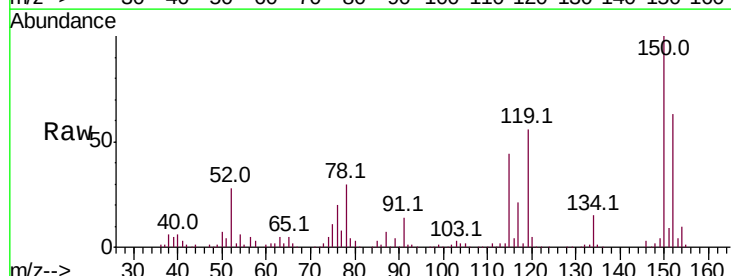
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.8	43.4	130.2
150	165.9	0.0	349.2

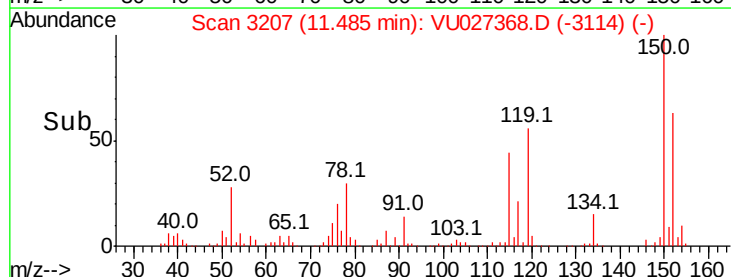
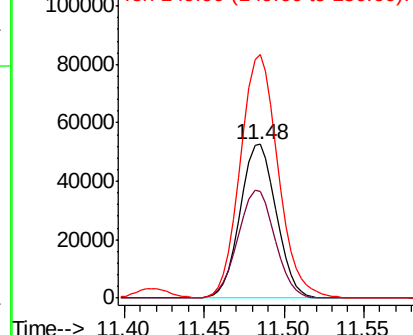


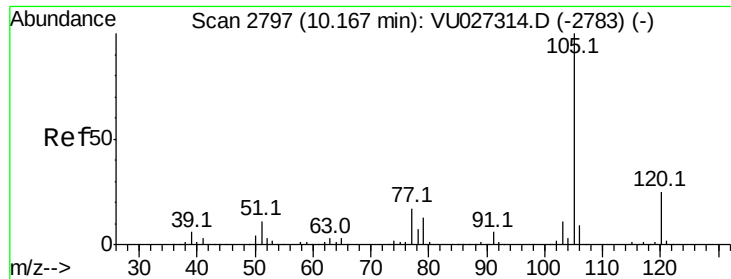
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.417 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion:105 Resp: 114432

Ion Ratio Lower Upper

105 100

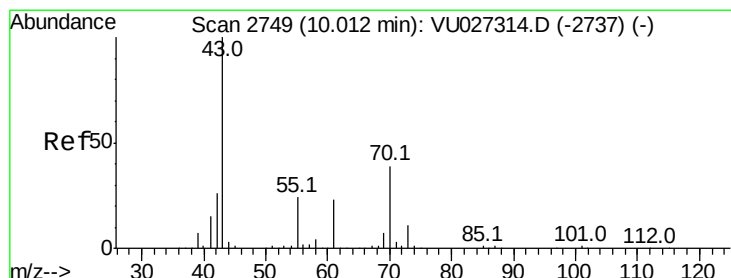
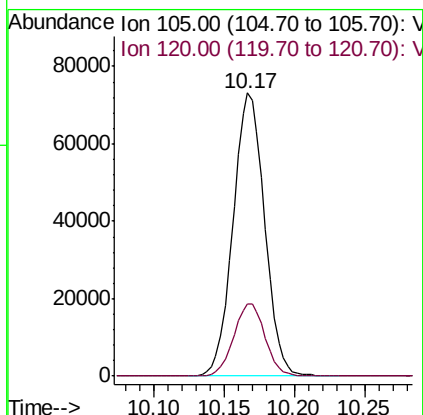
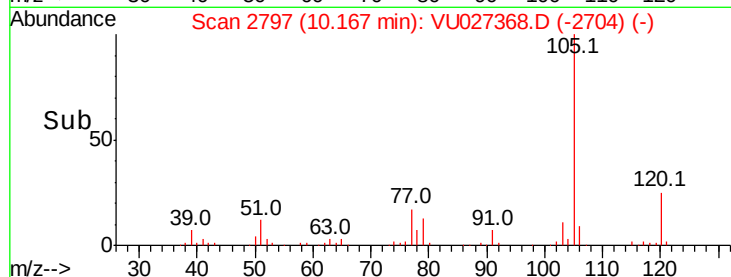
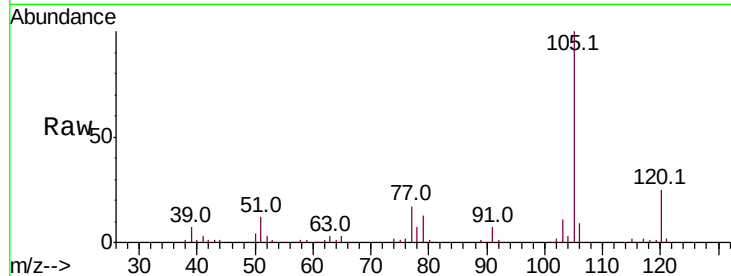
120 25.3 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.196 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion: 43 Resp: 64764

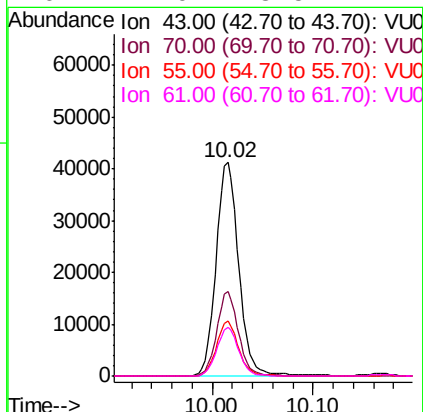
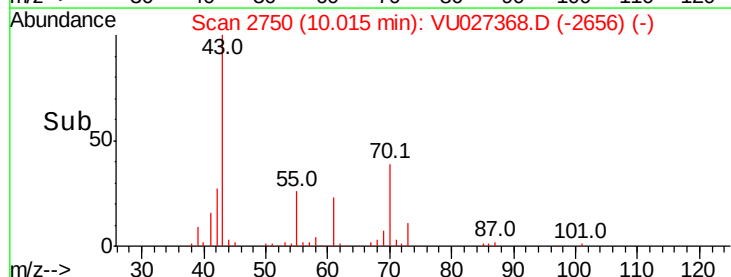
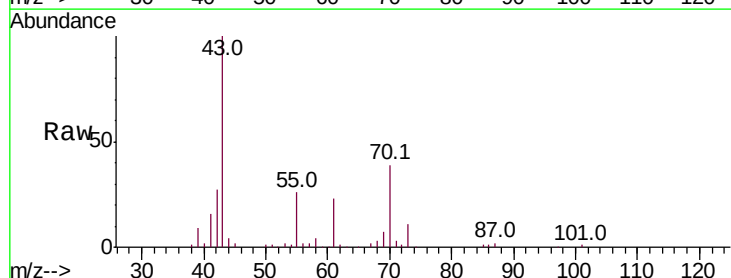
Ion Ratio Lower Upper

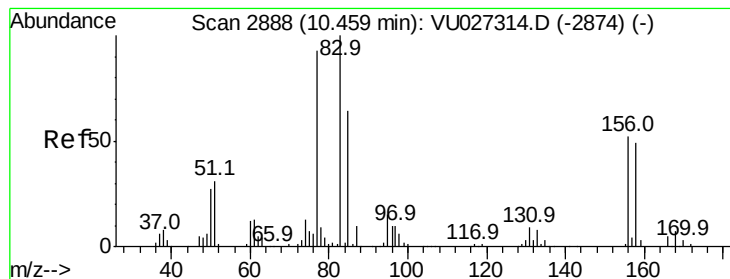
43 100

70 37.5 31.3 46.9

55 25.0 19.0 28.6

61 22.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.020 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

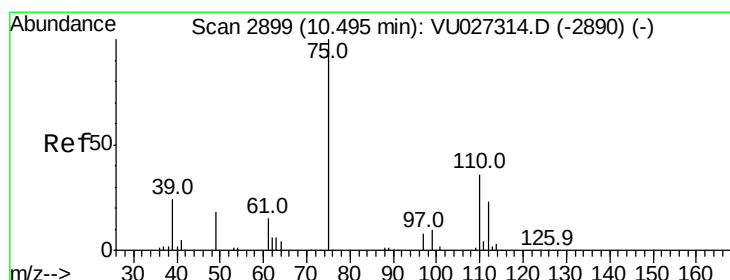
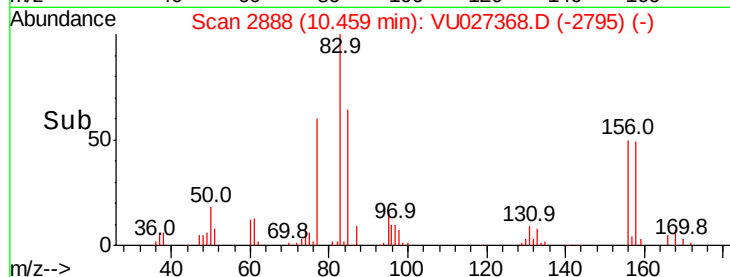
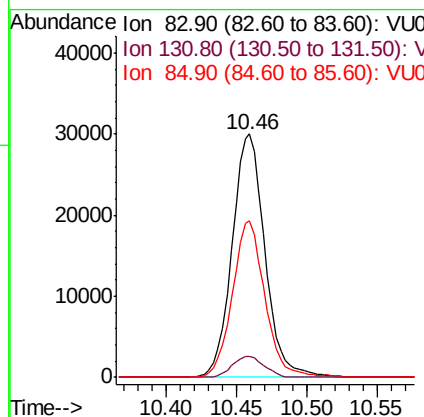
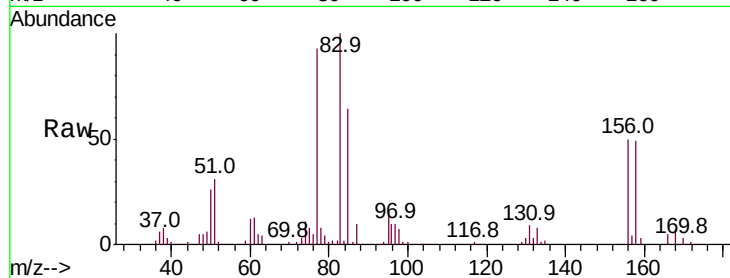
ClientSampleId :

VU1004WBSD01

Tot Ion:	83	Resp:	48641
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.4	13.2
85	64.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.844 ug/l m

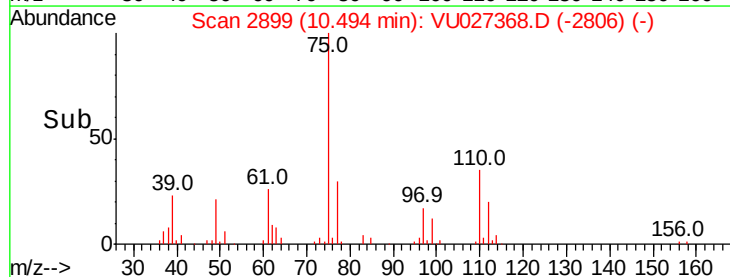
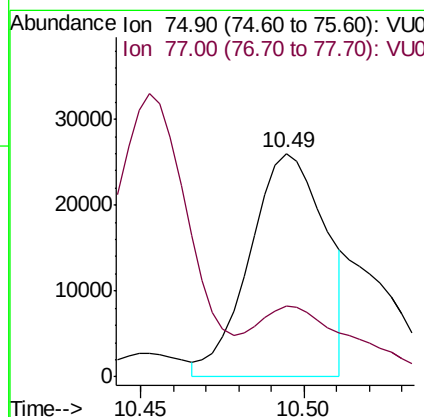
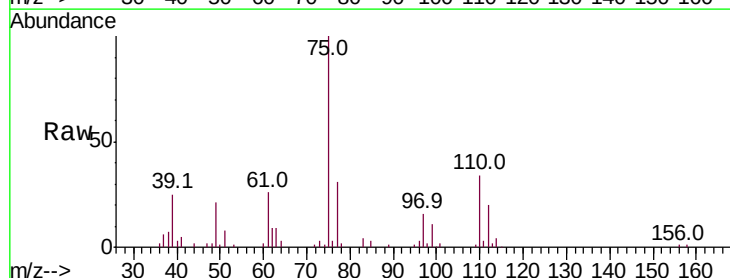
RT: 10.49 min Scan# 2899

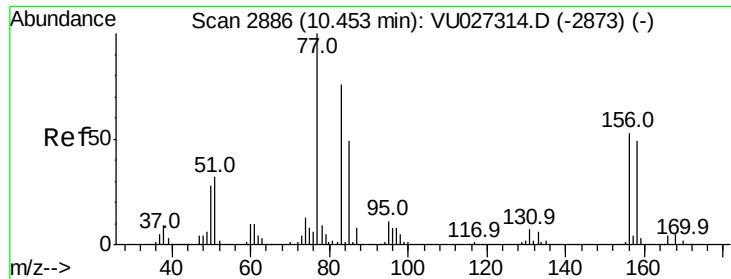
Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion:	75	Resp:	41740
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.3	60.9





#77

Bromobenzene

Concen: 19.942 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

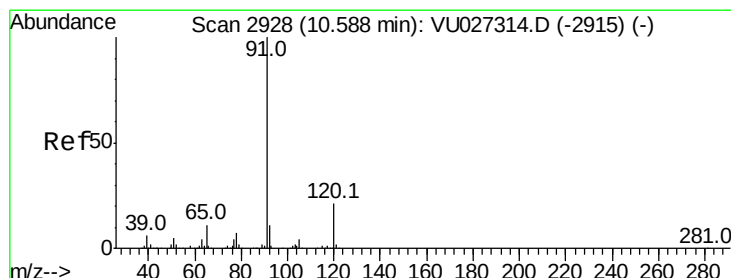
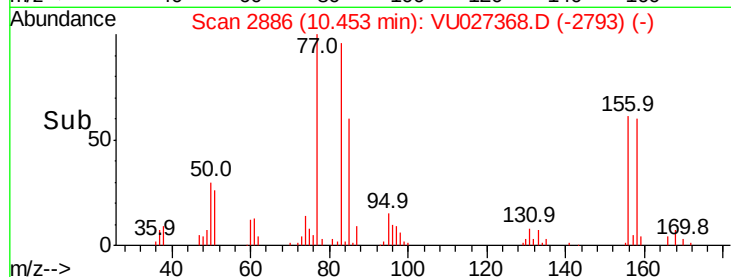
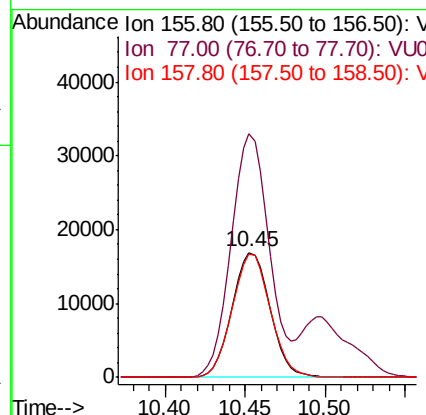
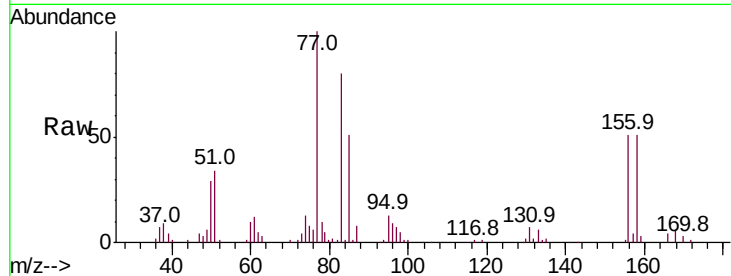
ClientSampleId :

VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.1	94.8	284.4
158	99.0	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.325 ug/l

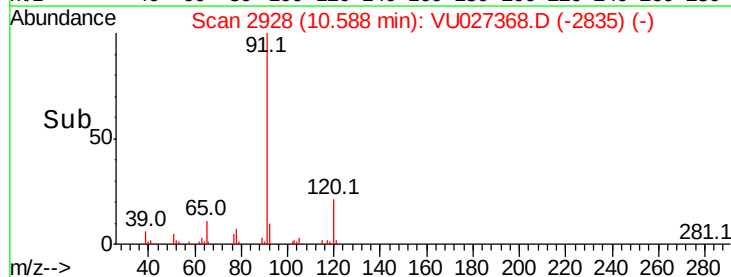
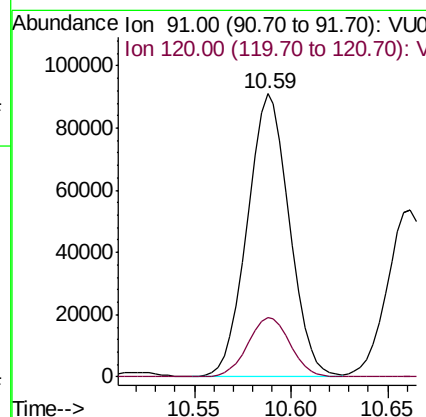
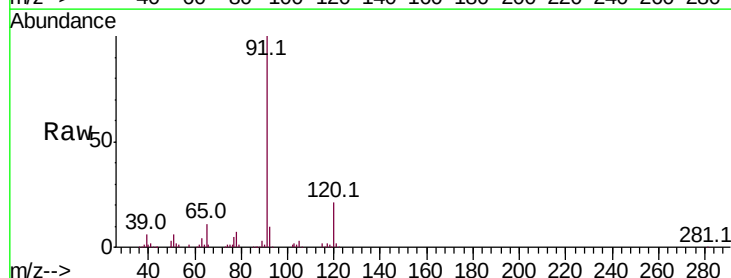
RT: 10.59 min Scan# 2928

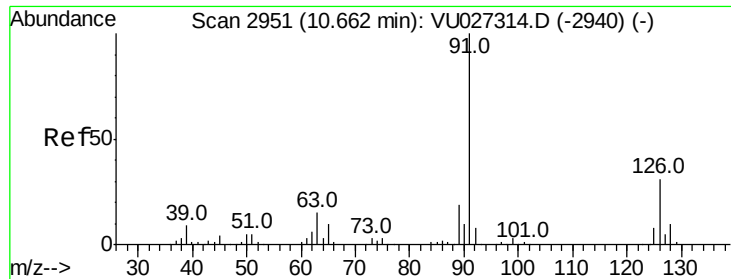
Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.6	31.8





#79

2-Chlorotoluene

Concen: 19.642 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion: 91 Resp: 83983

Ion Ratio Lower Upper

91 100

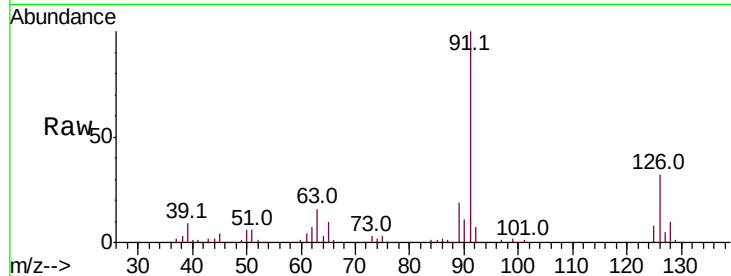
126 31.9 15.7 47.1

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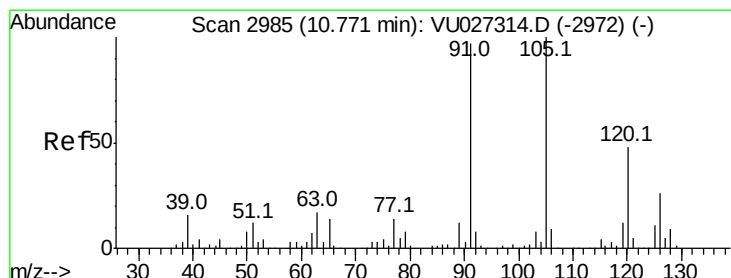
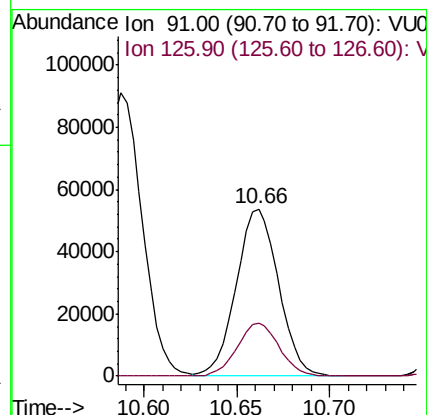
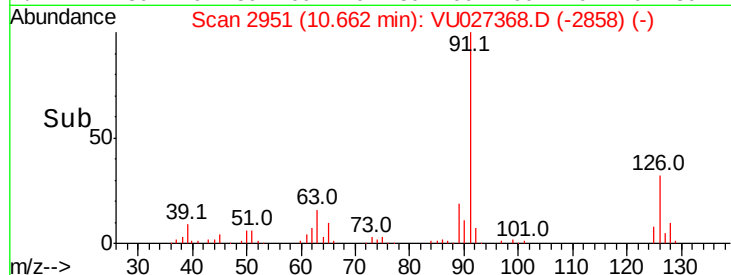
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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.328 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027368.D

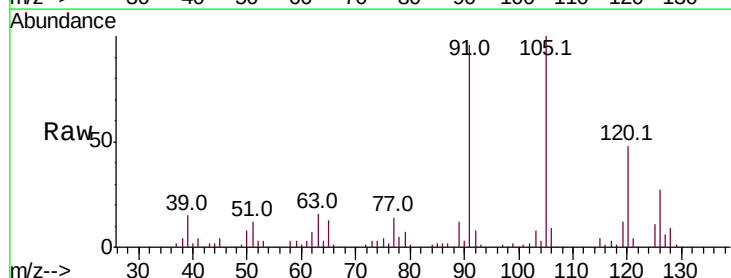
Acq: 03 Oct 2018 20:19

Tgt Ion: 105 Resp: 97534

Ion Ratio Lower Upper

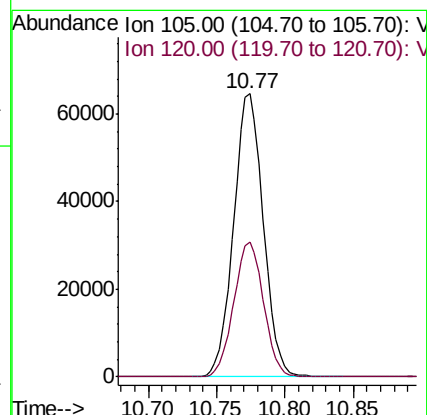
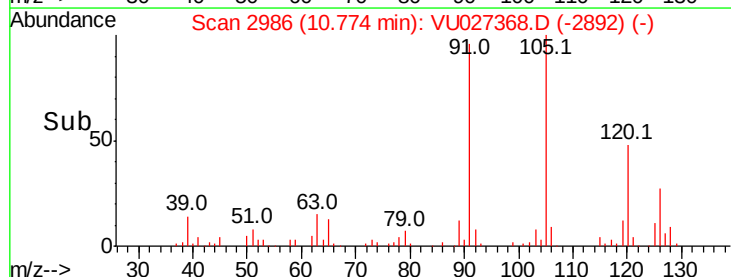
105 100

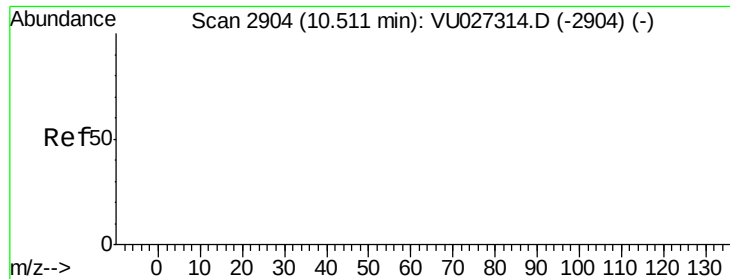
120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.090 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027368.D

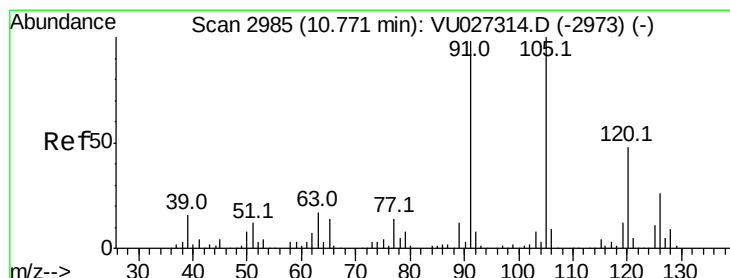
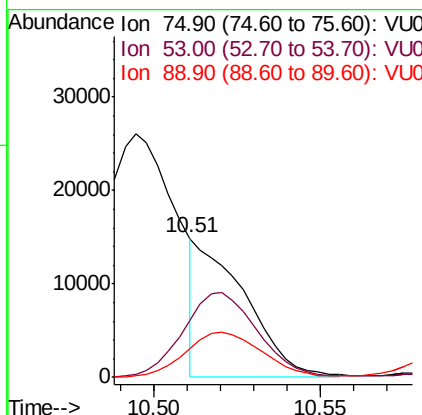
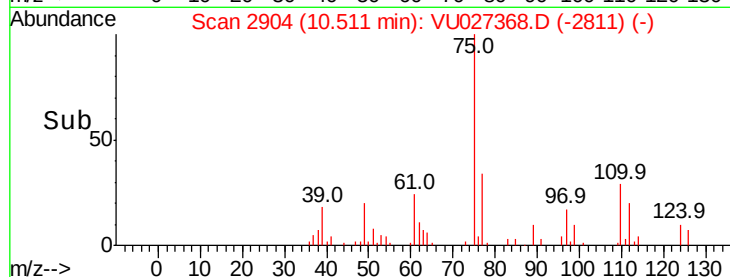
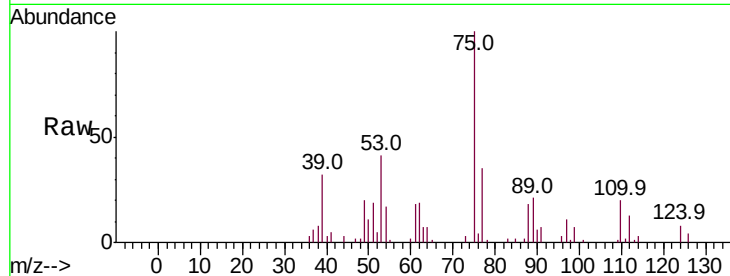
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

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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#82

4-Chlorotoluene

Concen: 19.822 ug/l

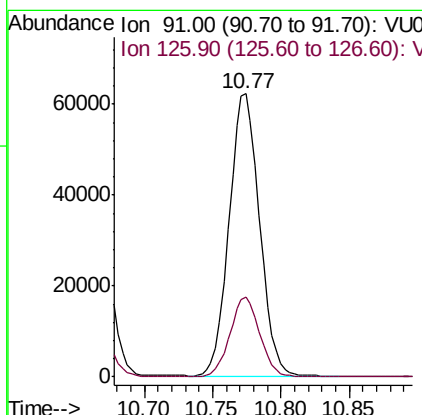
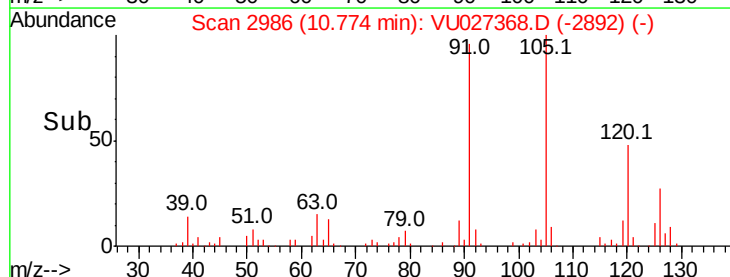
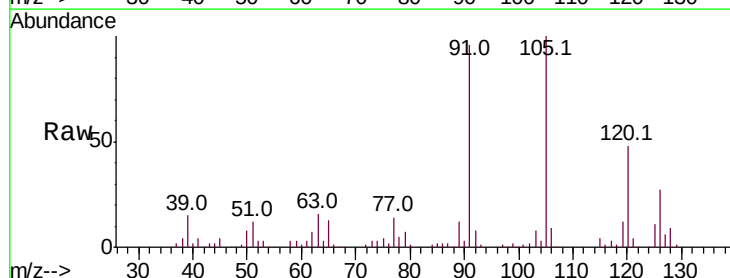
RT: 10.77 min Scan# 2986

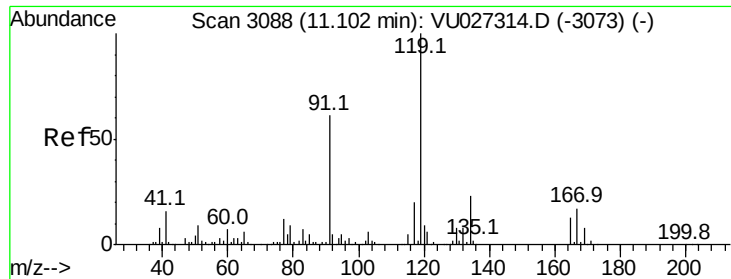
Delta R.T. 0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	13.6	40.8





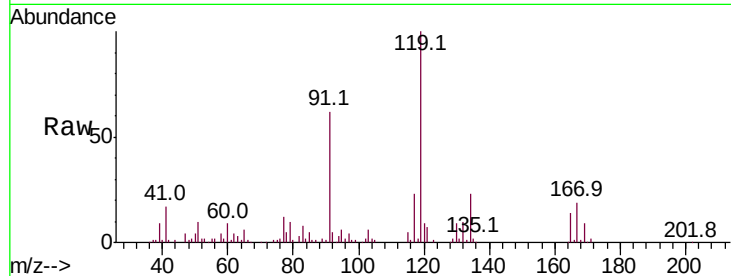
#83
tert-Butylbenzene
Concen: 19.197 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	91.0
134	23.0	11.5	34.4

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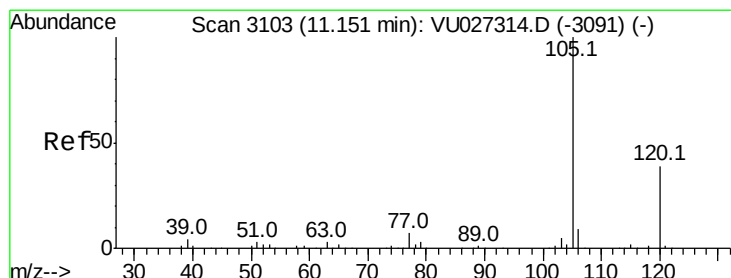
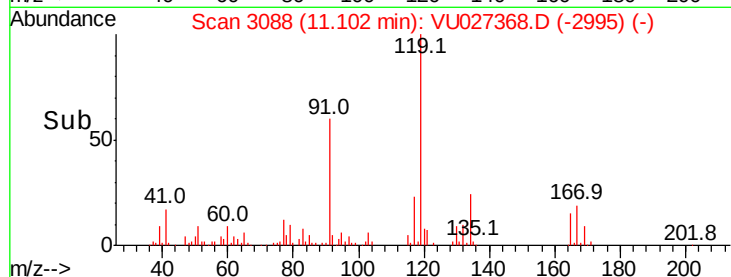
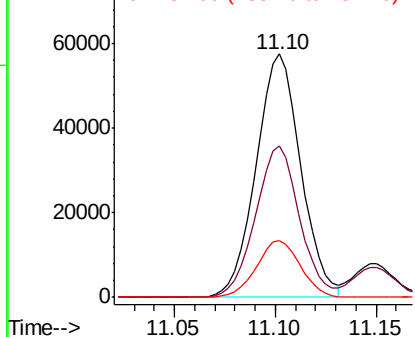


Abundance

Ion 119.00 (118.70 to 119.70): V

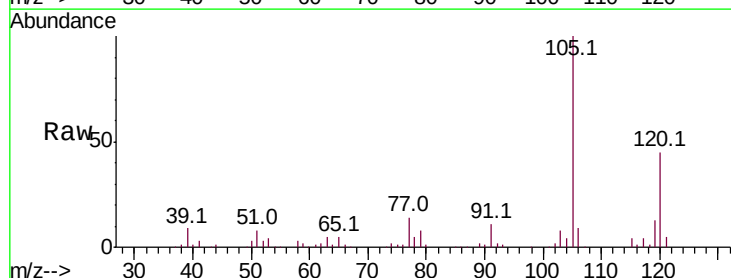
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.316 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

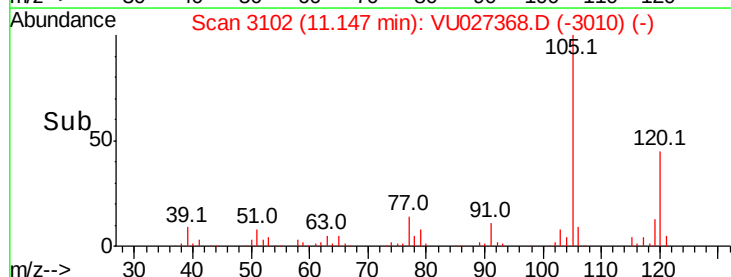
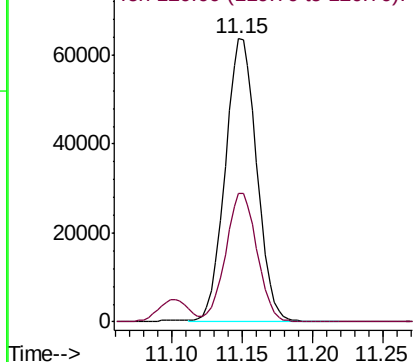
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5

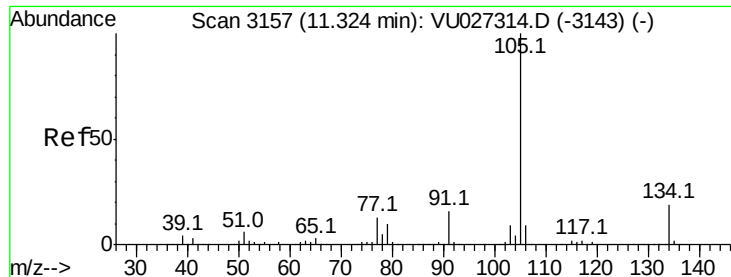


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.580 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBSD01

Tot Ion:105 Resp: 114429

Ion Ratio Lower Upper

105 100

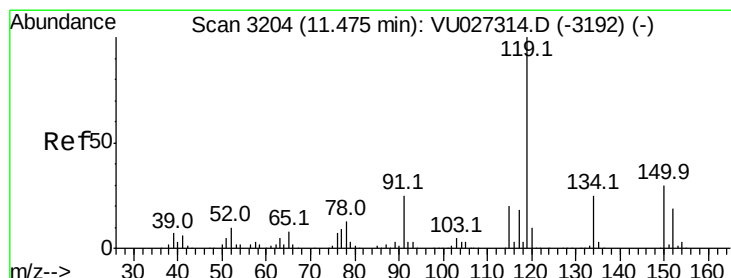
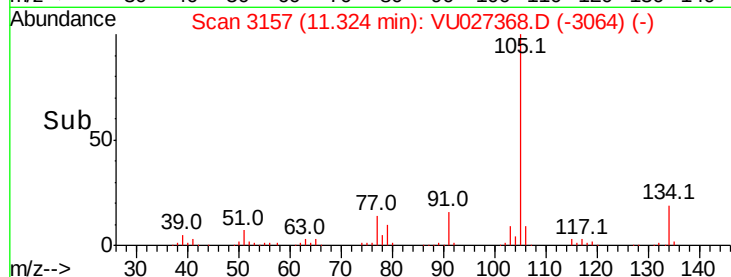
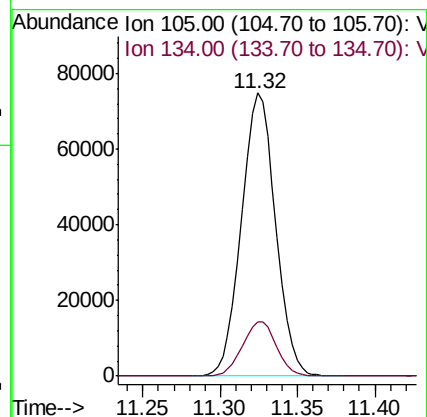
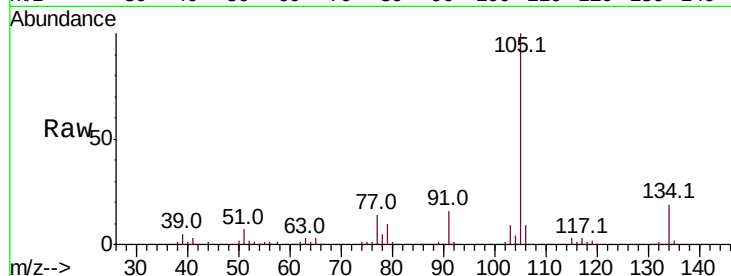
134 19.1 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.384 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027368.D

Acq: 03 Oct 2018 20:19

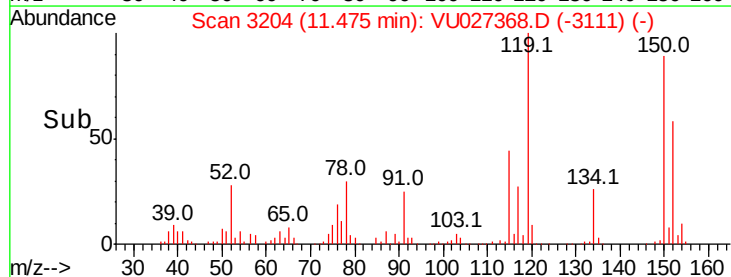
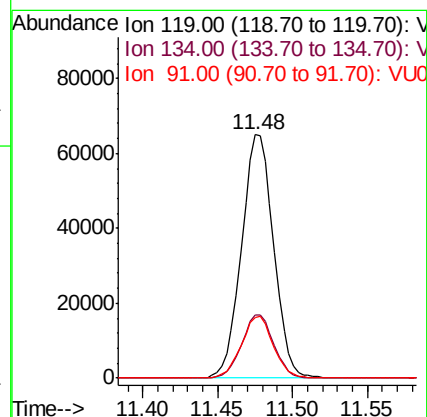
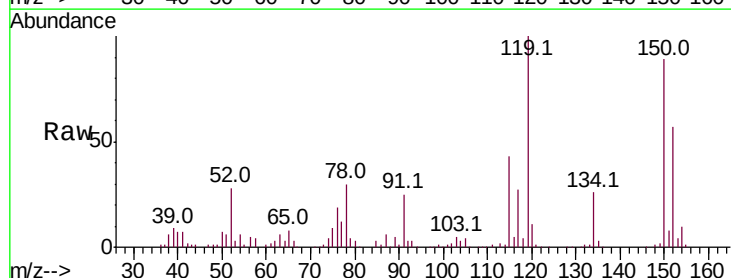
Tgt Ion:119 Resp: 96994

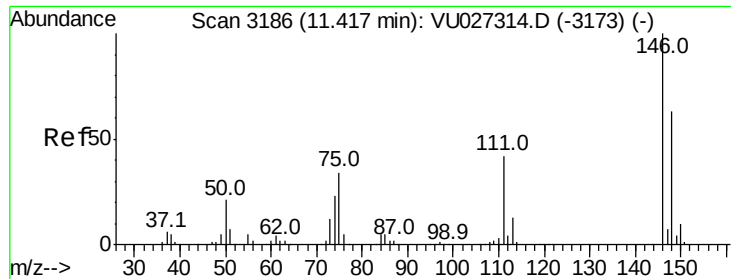
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 25.4 12.2 36.4





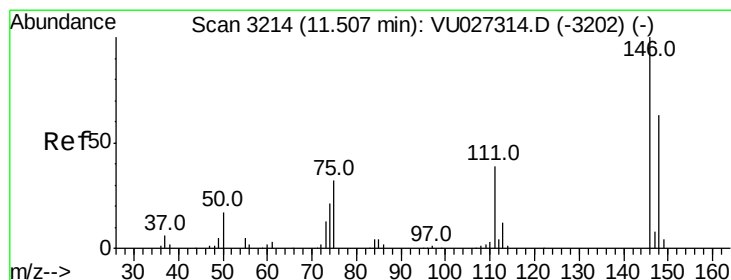
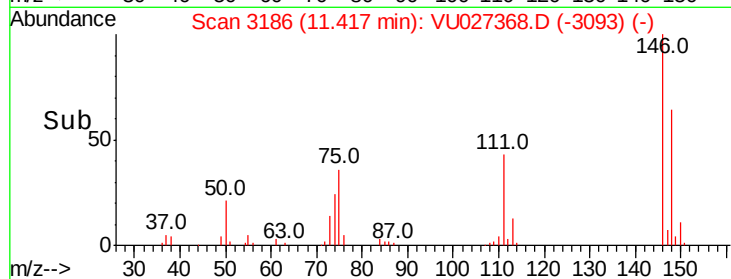
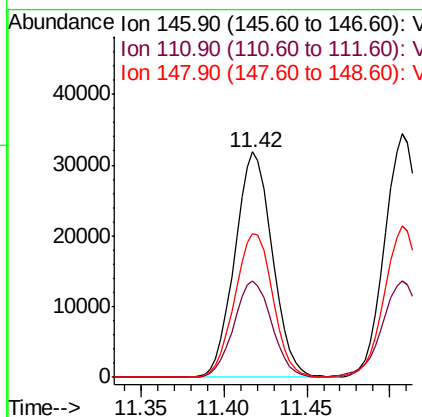
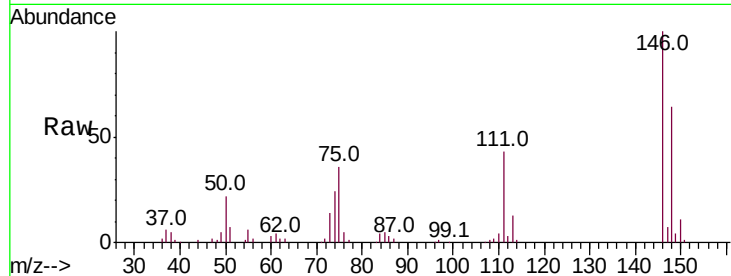
#87
 1,3-Dichlorobenzene
 Concen: 19.377 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.5
148	64.8	31.6	94.8

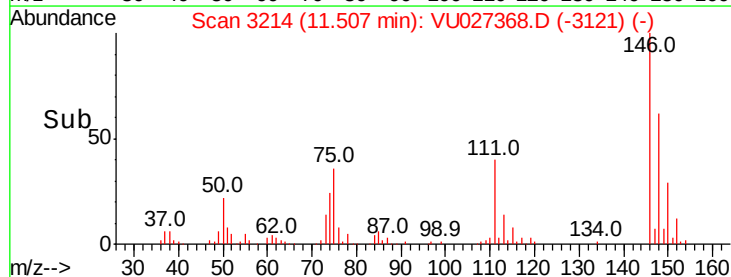
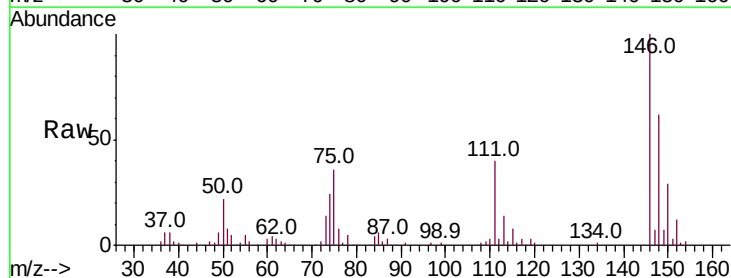
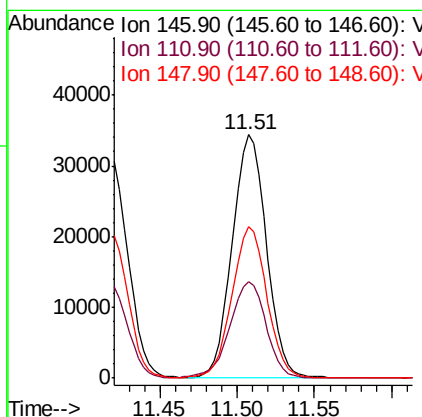
Manual Integrations
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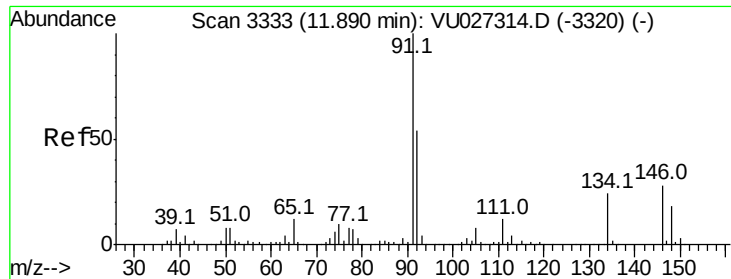
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.965 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.2
148	63.5	31.9	95.5





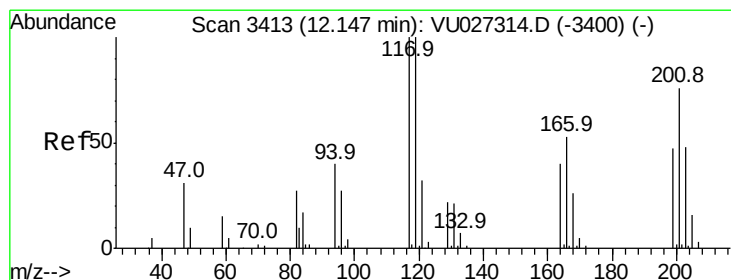
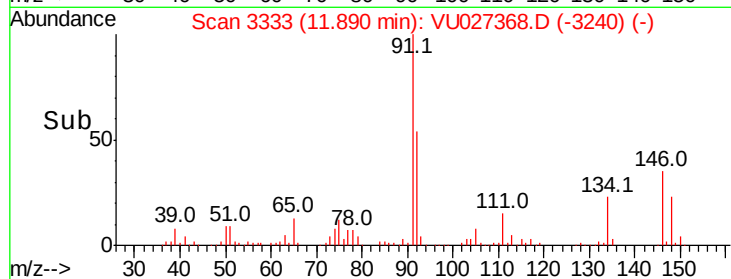
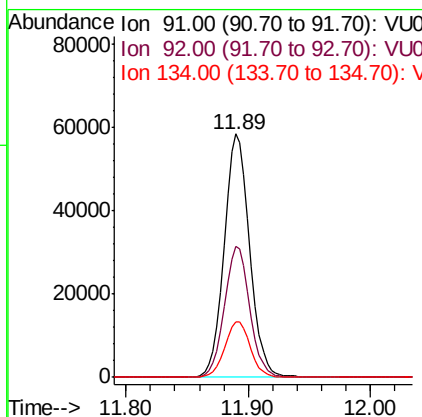
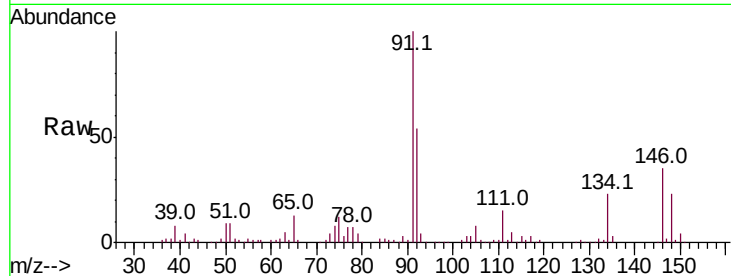
#89
n-Butylbenzene
Concen: 17.503 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.0	81.0	
134	22.7	11.7	35.1	

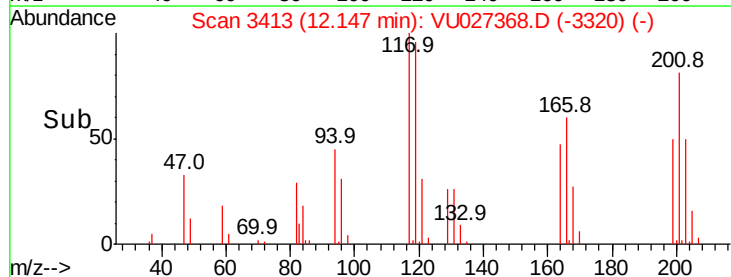
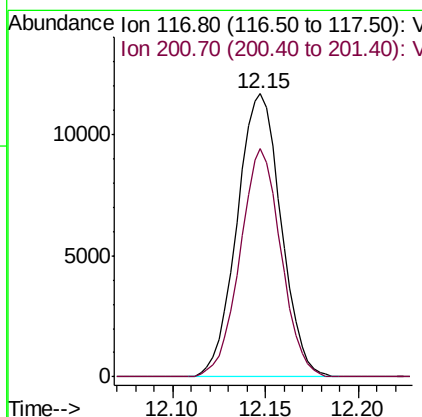
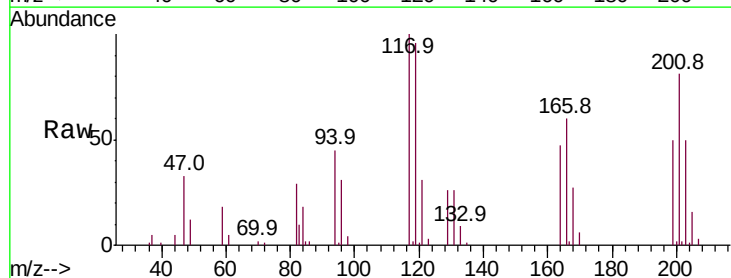
Manual Integrations
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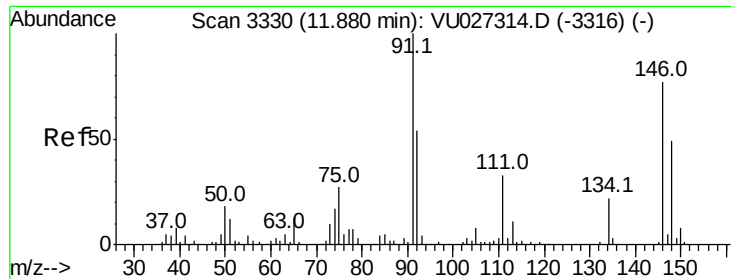
MMDadoda
10/8/2018 1:52:28 PM



#90
Hexachloroethane
Concen: 20.473 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	75.1	37.9	113.6	





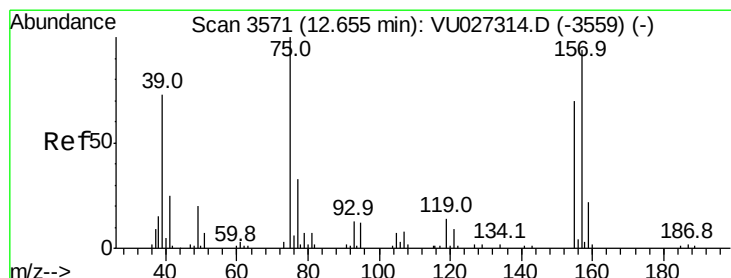
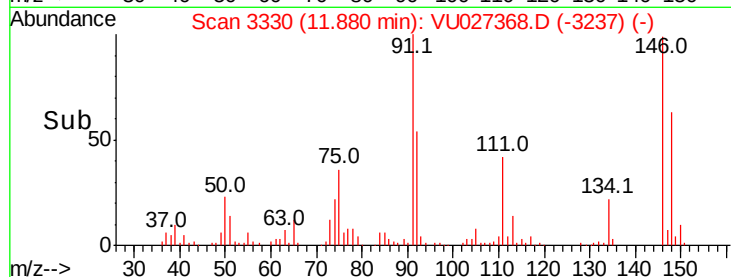
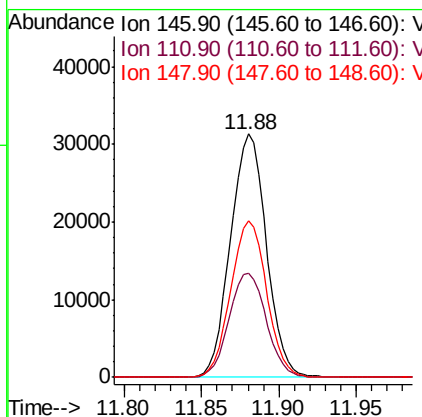
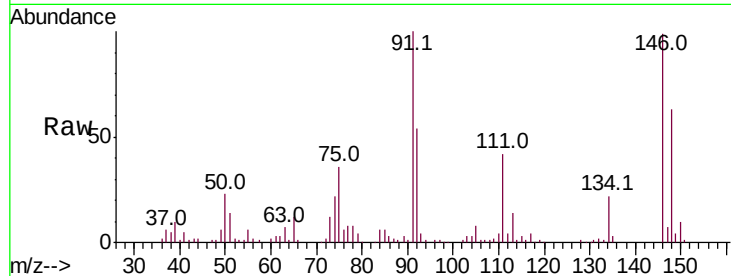
#91
 1,2-Dichlorobenzene
 Concen: 20.005 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.4
148	64.3	31.9	95.5

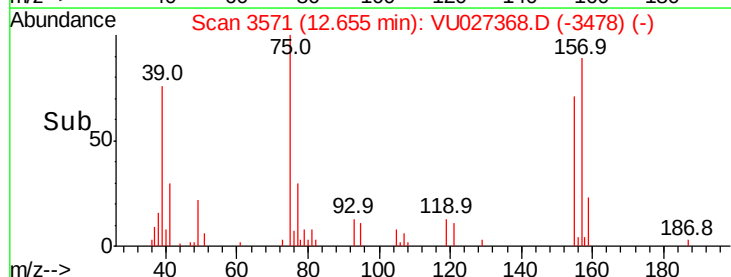
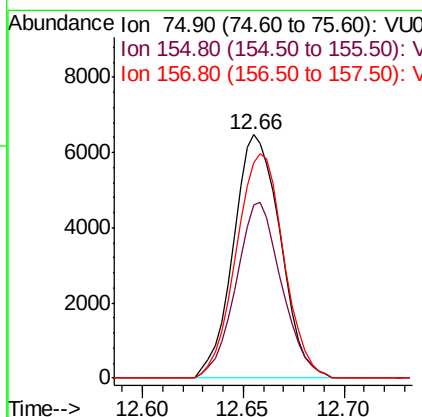
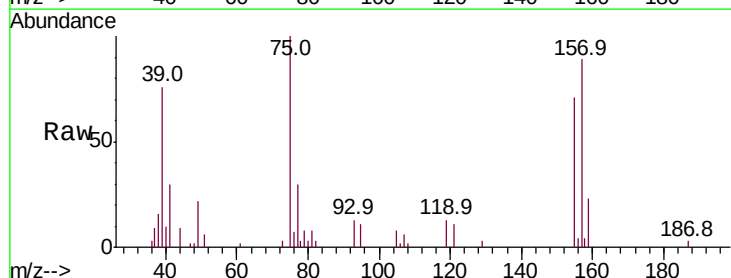
Manual Integrations
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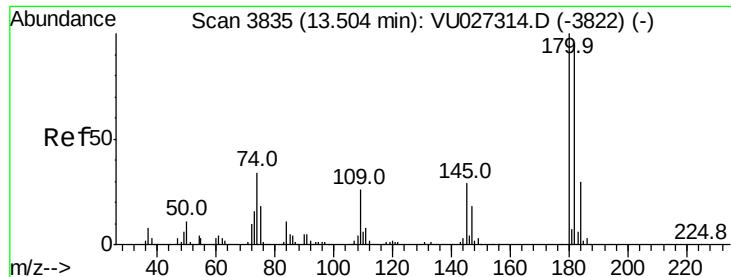
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.618 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	35.9	107.8
157	93.2	46.9	140.6





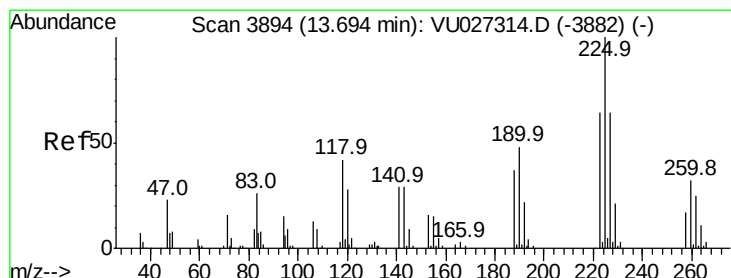
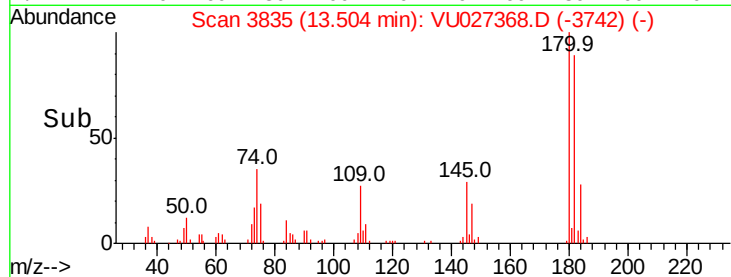
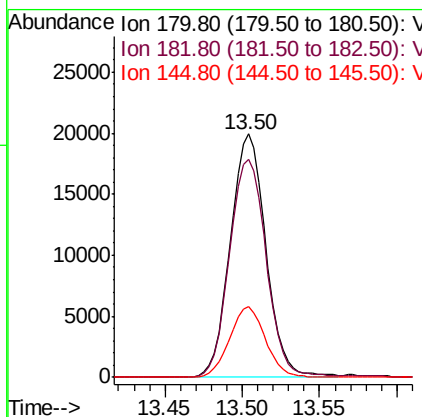
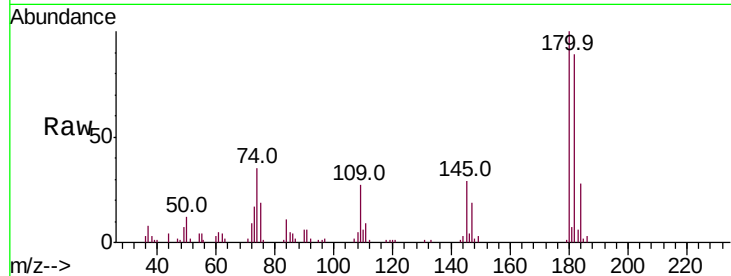
#93
 1,2,4-Trichlorobenzene
 Concen: 19.466 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.9	47.4	142.3	
145	29.0	14.6	44.0	

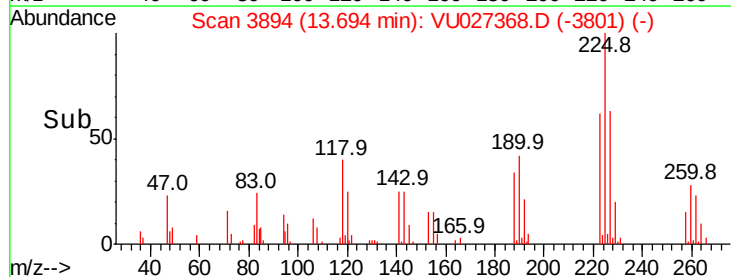
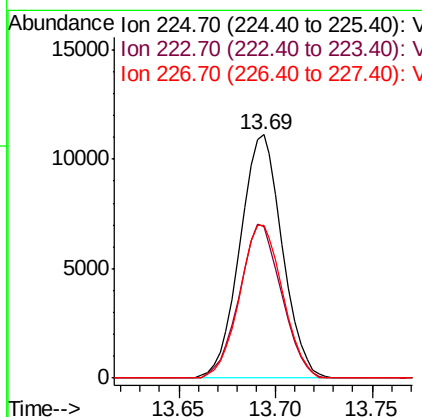
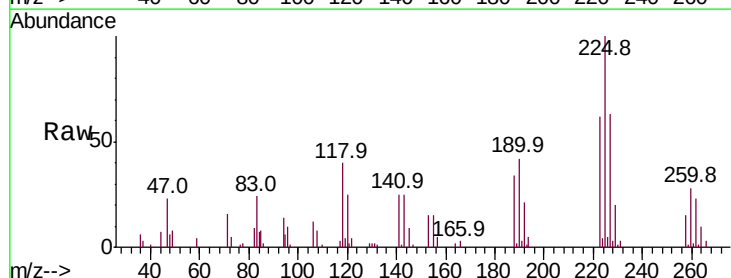
Manual Integrations
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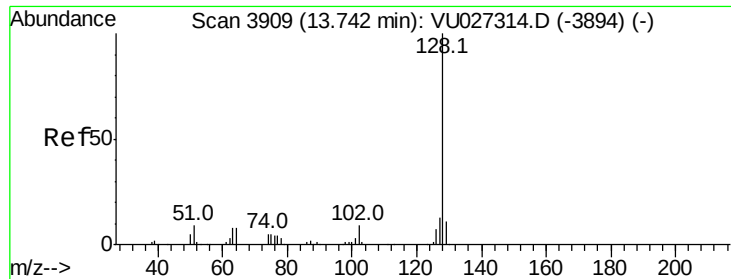
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#94
 Hexachlorobutadiene
 Concen: 20.446 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027368.D
 Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.8	95.3	
227	63.8	31.9	95.7	





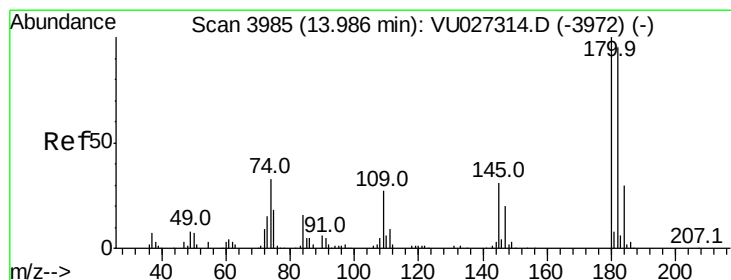
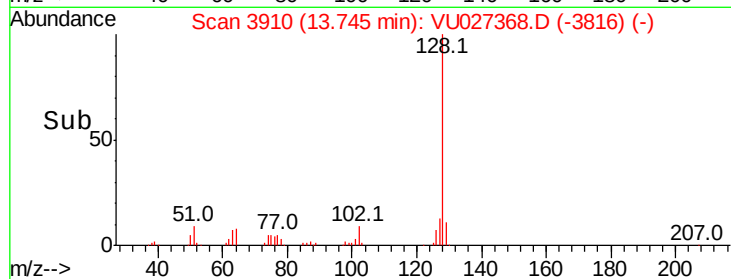
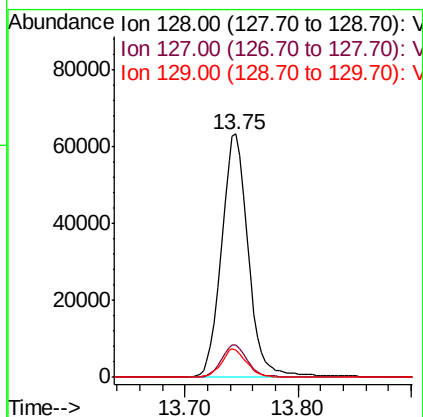
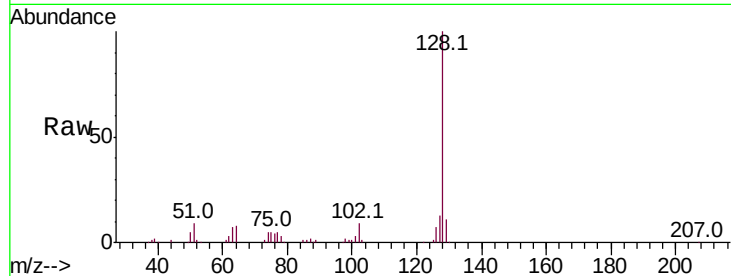
#95
Naphthalene
Concen: 18.063 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.306 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027368.D
Acq: 03 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	32.0	15.9	47.7

