

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027061.D
 Acq On : 23 Sep 2018 09:35
 Operator : MD/SY
 Sample : J4963-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 103 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:33 PM

Quant Time: Sep 24 07:06:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	74207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132259	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84005	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
35) Dibromofluoromethane	4.88	113	58331	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	7.57	98	224246	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	10.31	95	79807	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	46115	47.597	ug/l	98
3) Chloromethane	1.33	50	80789	48.364	ug/l	98
4) Vinyl Chloride	1.40	62	78732	50.493	ug/l	98
5) Bromomethane	1.62	94	39638	44.640	ug/l	98
6) Chloroethane	1.69	64	51811	52.004	ug/l	99
7) Trichlorofluoromethane	1.88	101	88832	50.160	ug/l	99
8) Diethyl Ether	2.10	74	45755	53.676	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50579	46.449	ug/l	99
10) Methyl Iodide	2.41	142	43752	32.397	ug/l	98
11) Tert butyl alcohol	2.83	59	94866	277.119	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52089	50.823	ug/l	99
13) Acrolein	2.20	56	45005	243.879	ug/l	99
14) Allyl chloride	2.59	41	112358	54.051	ug/l	97
15) Acrylonitrile	2.94	53	243233	281.910	ug/l	99
16) Acetone	2.32	43	218796	277.619	ug/l	98
17) Carbon Disulfide	2.48	76	162200	48.580	ug/l	100
18) Methyl Acetate	2.62	43	104293	49.061	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	215788	57.294	ug/l	100
20) Methylene Chloride	2.70	84	67610	50.547	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	58317	53.293	ug/l	99
22) Diisopropyl ether	3.57	45	266722	59.988	ug/l	97
23) Vinyl Acetate	3.53	43	930021	245.381	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137281	56.060	ug/l	99
25) 2-Butanone	4.26	43	350231	279.035	ug/l	99
26) 2,2-Dichloropropane	4.23	77	73295	38.378	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	67089	54.289	ug/l	98
28) Bromochloromethane	4.55	49	72280	61.231	ug/l	94
29) Tetrahydrofuran	4.64	42	224663	295.889	ug/l	97
30) Chloroform	4.67	83	122578	53.925	ug/l	99
31) Cyclohexane	5.00	56	113012	50.777	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	98528	54.288	ug/l	99
36) 1,1-Dichloropropene	5.14	75	88072	49.895	ug/l	98
37) Ethyl Acetate	4.38	43	106993	44.775	ug/l	99
38) Carbon Tetrachloride	5.13	117	82141	48.900	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90679	47.273	ug/l	99
40) Benzene	5.39	78	272964	50.869	ug/l	99
41) Methacrylonitrile	4.54	41	71584	57.683	ug/l	98
42) 1,2-Dichloroethane	5.40	62	106457	52.510	ug/l	99
43) Isopropyl Acetate	5.55	43	175045	50.230	ug/l	99
44) Trichloroethene	6.19	130	56937	49.841	ug/l	98
45) 1,2-Dichloropropane	6.43	63	80994	52.973	ug/l	98
46) Dibromomethane	6.56	93	47530	51.472	ug/l	97
47) Bromodichloromethane	6.76	83	95580	51.189	ug/l	97
48) Methyl methacrylate	6.62	41	98759	52.026	ug/l	99
49) 1,4-Dioxane	6.61	88	37288	989.882	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	668590	285.262	ug/l	99
52) Toluene	7.64	92	163261	53.079	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	105084	52.381	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	107898	48.915	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	68453	52.523	ug/l	99
56) Ethyl methacrylate	8.02	69	112599	49.802	ug/l	98
57) 1,3-Dichloropropane	8.24	76	131418	54.215	ug/l	99
59) 2-Hexanone	8.36	43	512810	279.512	ug/l	99
60) Dibromochloromethane	8.48	129	66706	52.180	ug/l	98
61) 1,2-Dibromoethane	8.59	107	70063	51.668	ug/l	99
64) Tetrachloroethene	8.23	164	45080	44.393	ug/l	98
65) Chlorobenzene	9.12	112	166980	47.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61385	51.004	ug/l	98
67) Ethyl Benzene	9.25	91	298820	52.006	ug/l	100
68) m/p-Xylenes	9.38	106	222754	95.790	ug/l	99
69) o-Xylene	9.78	106	108237	53.166	ug/l	99
70) Styrene	9.79	104	180609	47.603	ug/l	99
71) Bromoform	9.96	173	47965	51.536	ug/l #	99
73) Isopropylbenzene	10.17	105	286904	52.962	ug/l	100
74) N-amyl acetate	10.01	43	143367	45.721	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	121770	48.890	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	109183m	50.467	ug/l	
77) Bromobenzene	10.45	156	65523	49.497	ug/l	93
78) n-propylbenzene	10.59	91	342251	53.395	ug/l	99
79) 2-Chlorotoluene	10.66	91	209933	52.142	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	240387	53.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30488m	45.098	ug/l	
82) 4-Chlorotoluene	10.77	91	238764	52.889	ug/l	99
83) tert-Butylbenzene	11.10	119	228312	51.642	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	248937	54.701	ug/l	99
85) sec-Butylbenzene	11.32	105	284118	52.646	ug/l	99
86) p-Isopropyltoluene	11.48	119	236641	46.791	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	119602	48.551	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	122143	45.494	ug/l	99
89) n-Butylbenzene	11.89	91	211778	43.470	ug/l	99
90) Hexachloroethane	12.15	117	46392	47.272	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	122278	46.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26676	52.501	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	74890	49.664	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	34108	42.748	ug/l	100
95) Naphthalene	13.74	128	288281	48.933	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	82378	50.942	ug/l	100

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

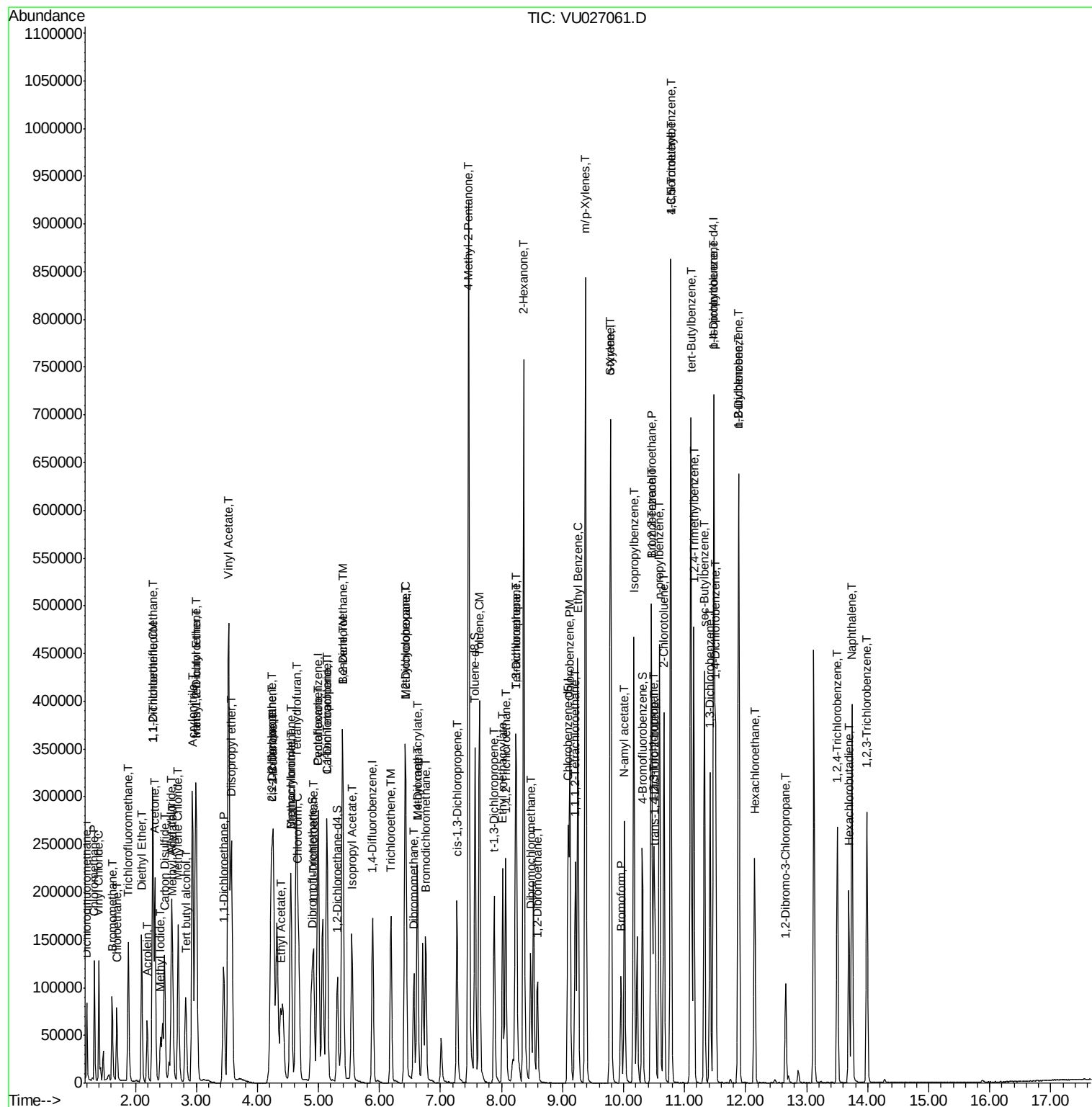
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092318\
Data File : VU027061.D
Acq On : 23 Sep 2018 09:35
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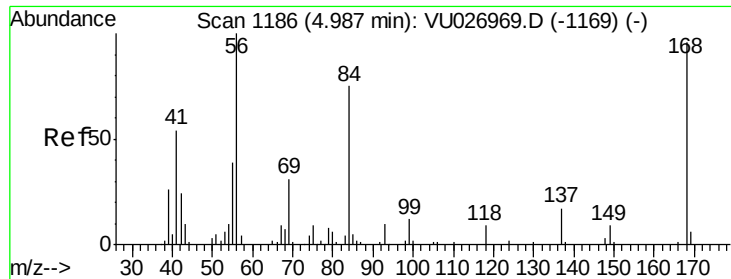
Instrument :
MSVOA_U
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:168 Resp: 74207

Ion Ratio Lower Upper

168 100

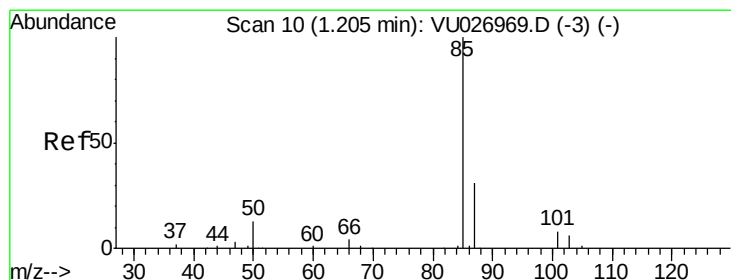
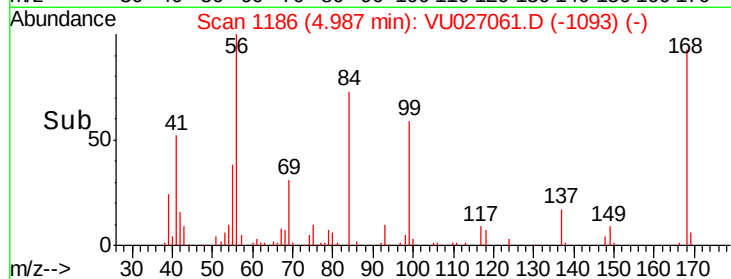
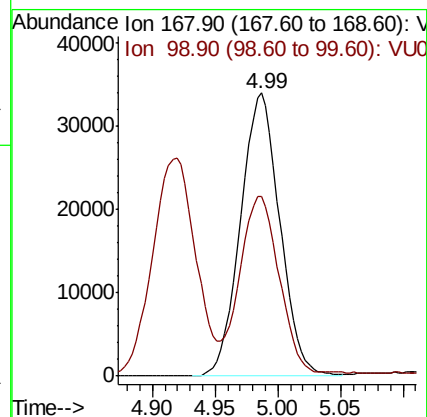
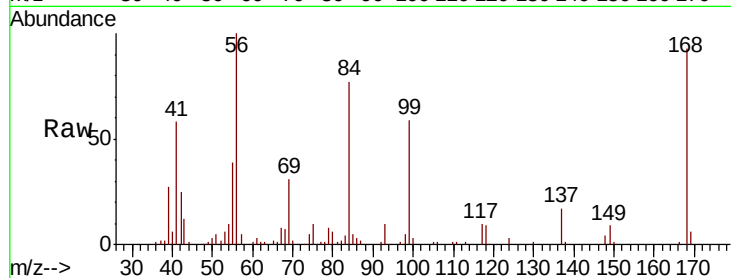
99 62.0 48.1 72.1

Manual Integrations

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9/24/2018 4:40:33 PM



#2

Dichlorodifluoromethane

Concen: 47.597 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027061.D

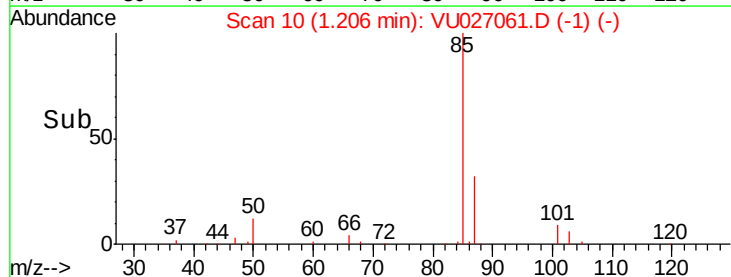
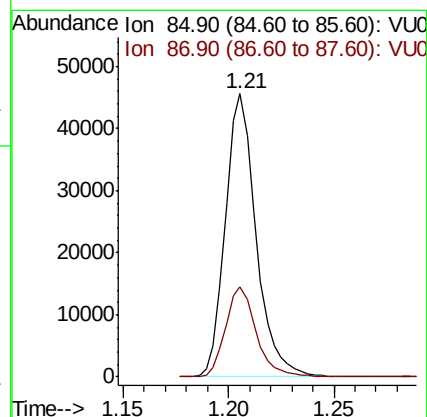
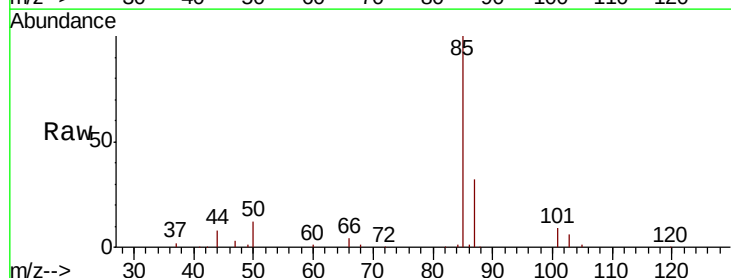
Acq: 23 Sep 2018 09:35

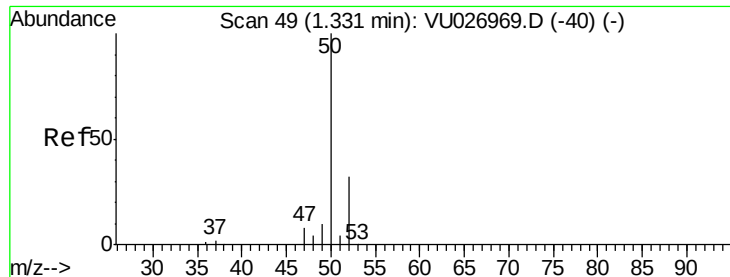
Tgt Ion: 85 Resp: 46115

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.7





#3

Chloromethane

Concen: 48.364 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 80789

Ion Ratio Lower Upper

50 100

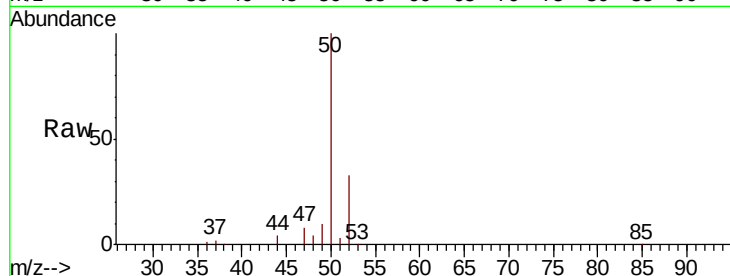
52 33.3 25.9 38.9

Manual Integrations

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9/24/2018 4:40:33 PM



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027061.D (-1) (-)

1.33

80000

60000

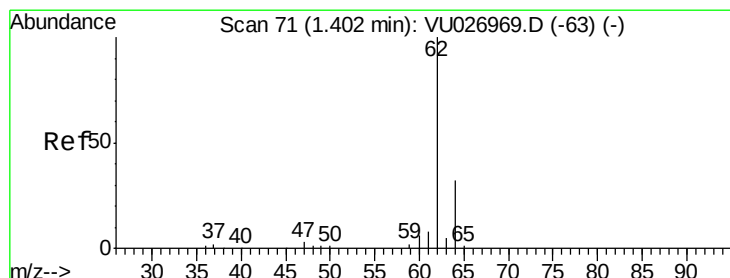
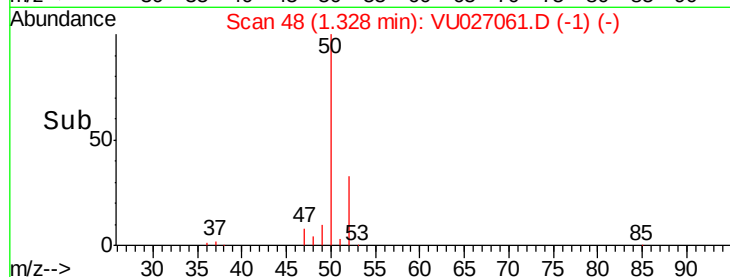
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.493 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027061.D

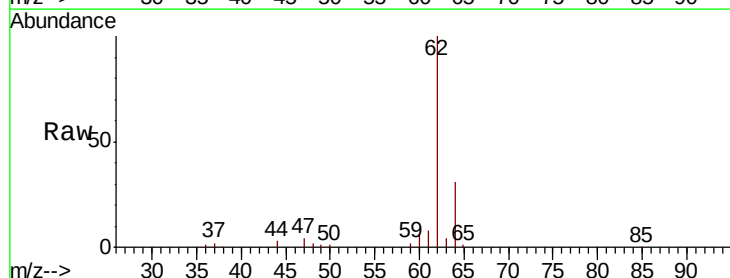
Acq: 23 Sep 2018 09:35

Tgt Ion: 62 Resp: 78732

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027061.D (-1) (-)

1.40

80000

60000

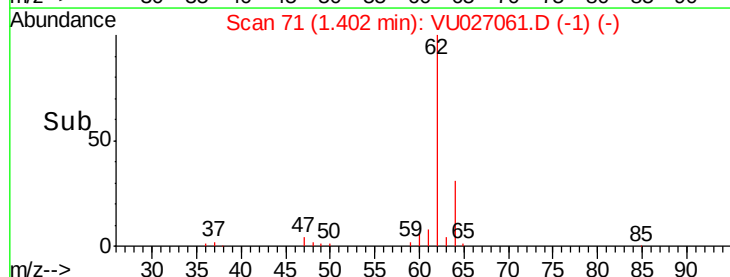
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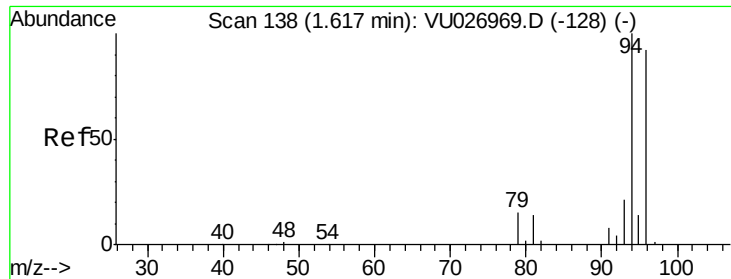
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 44.640 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

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SA-PZ123I1-20180914MS

Tot Ion: 94 Resp: 39638

Ion Ratio Lower Upper

94 100

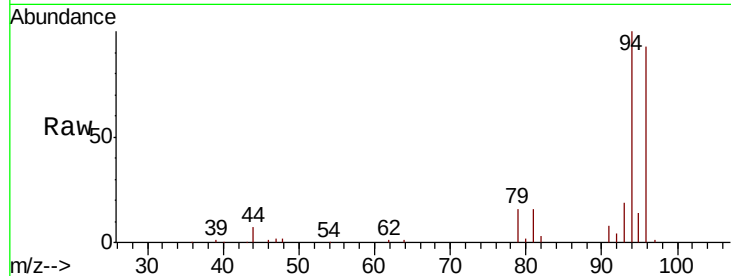
96 93.1 73.2 109.8

Manual Integrations

APPROVED

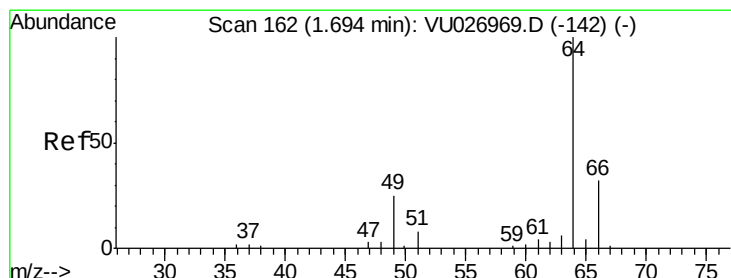
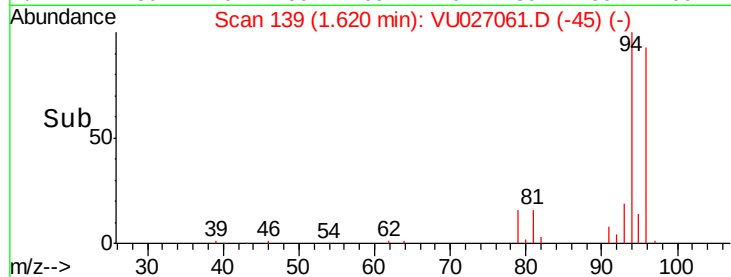
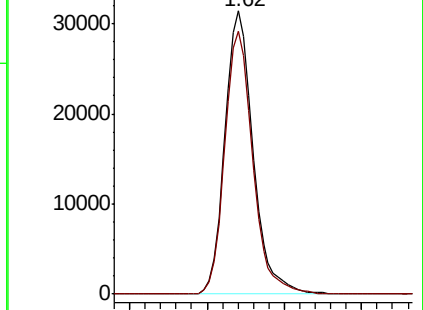
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Abundance Ion 93.90 (93.60 to 94.60): VU027061.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027061.D (-128) (-)



#6

Chloroethane

Concen: 52.004 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027061.D

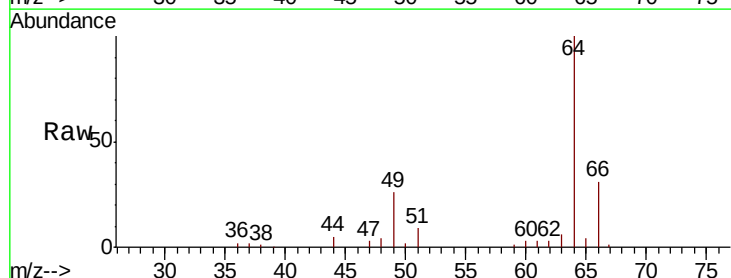
Acq: 23 Sep 2018 09:35

Tgt Ion: 64 Resp: 51811

Ion Ratio Lower Upper

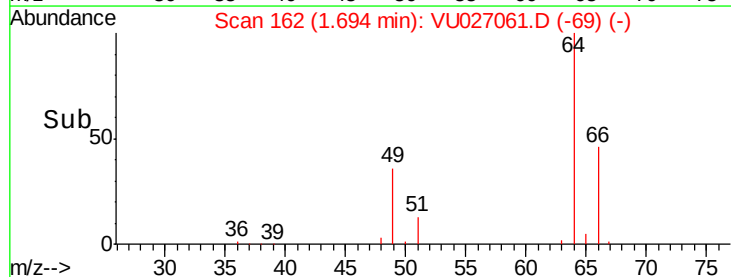
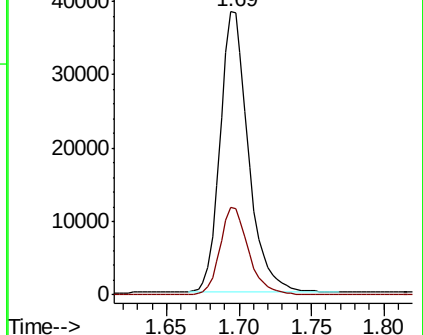
64 100

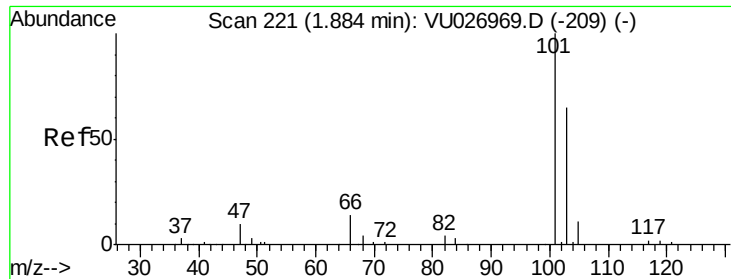
66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027061.D (-69) (-)

Ion 65.90 (65.60 to 66.60): VU027061.D (-69) (-)





#7

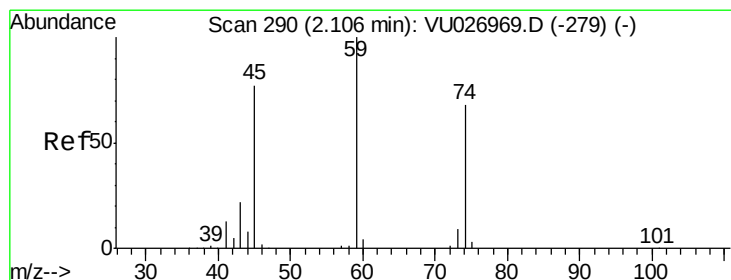
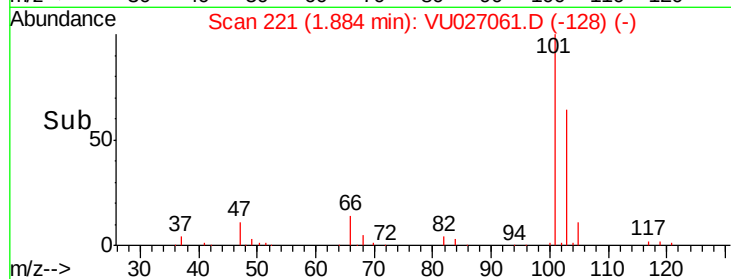
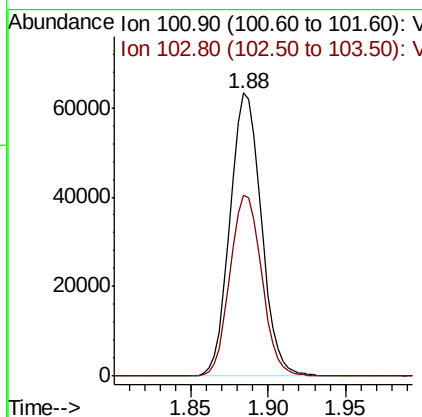
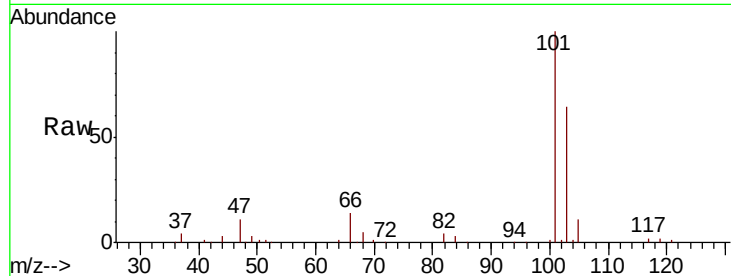
Trichlorofluoromethane
 Concen: 50.160 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
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 SA-PZ123I1-20180914MS

Tot Ion:101 Resp: 88832
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.2

Manual Integrations
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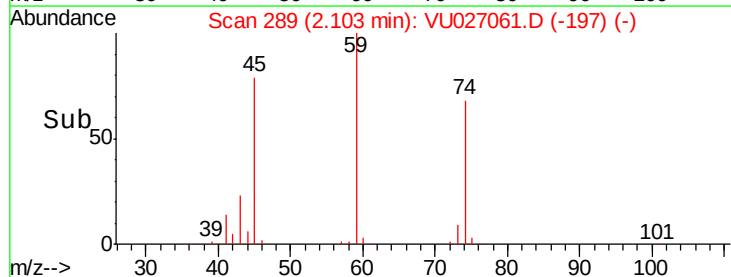
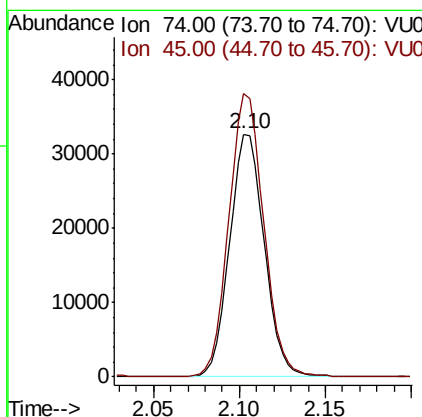
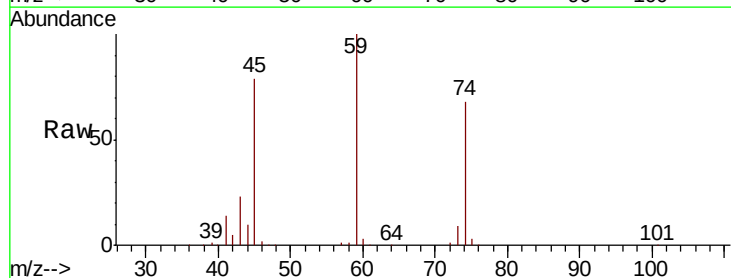
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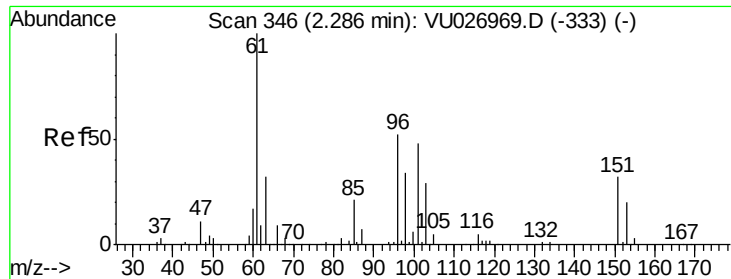


#8

Diethyl Ether
 Concen: 53.676 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion: 74 Resp: 45755
 Ion Ratio Lower Upper
 74 100
 45 117.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.449 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

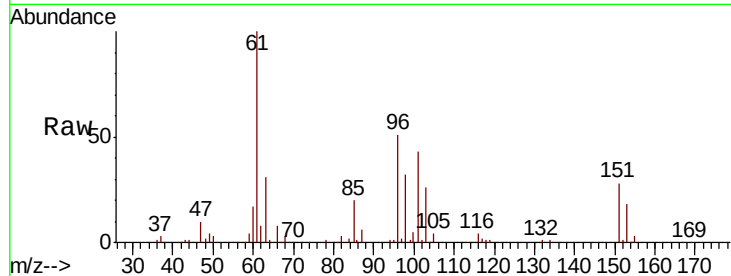
ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:	101	Resp:	50579
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.2	54.2
151	67.7	54.5	81.7

Manual Integrations
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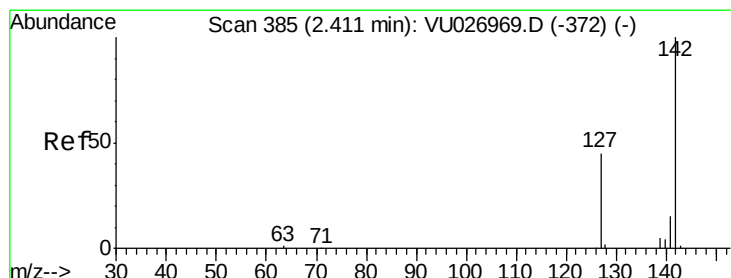
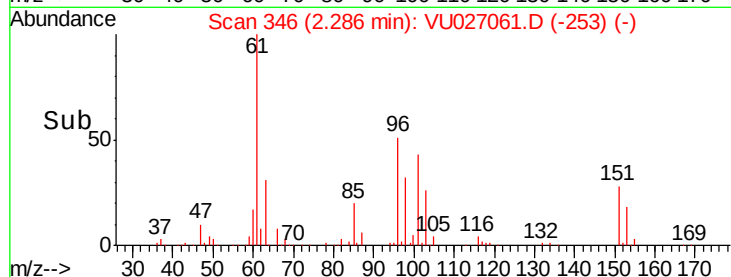
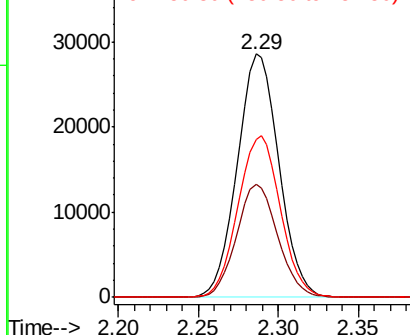


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 32.397 ug/l

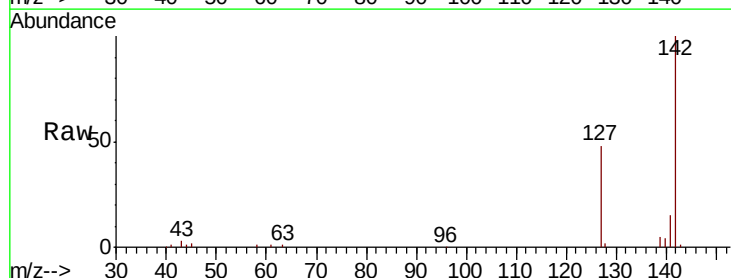
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion:	142	Resp:	43752
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.7	55.1
141	14.5	11.8	17.6

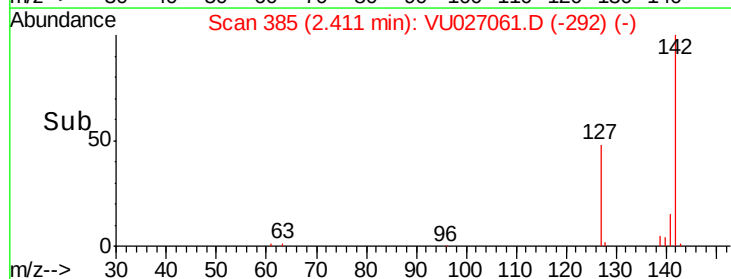
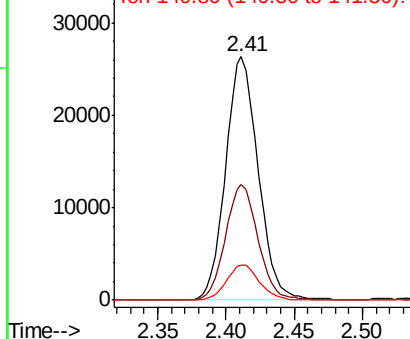


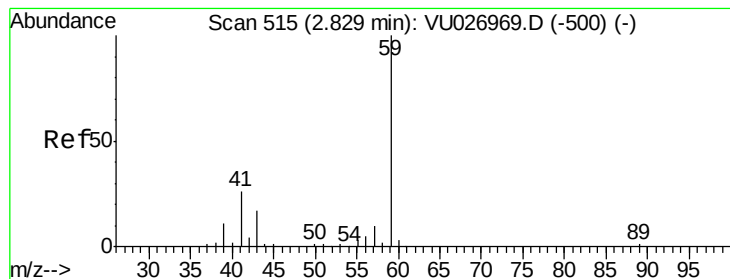
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

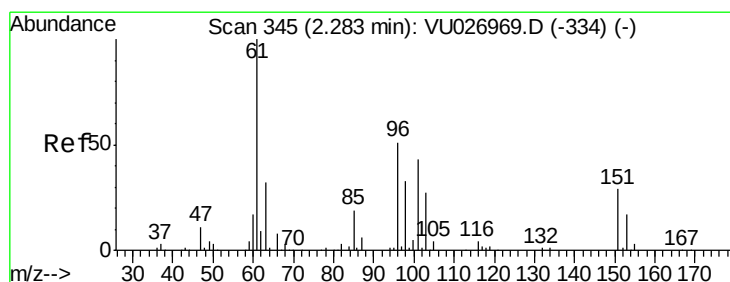
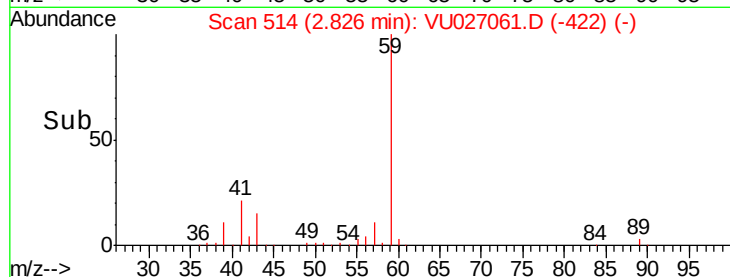
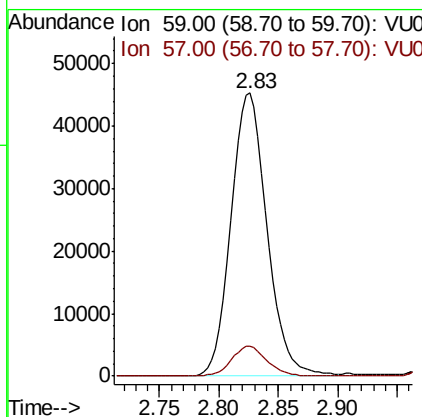
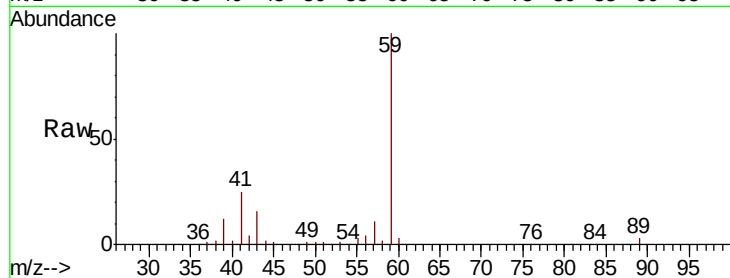
Tert butyl alcohol
Concen: 277.119 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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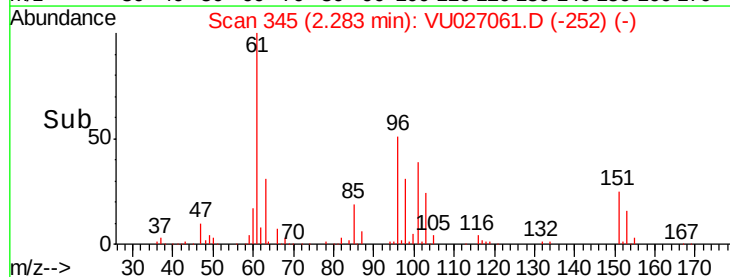
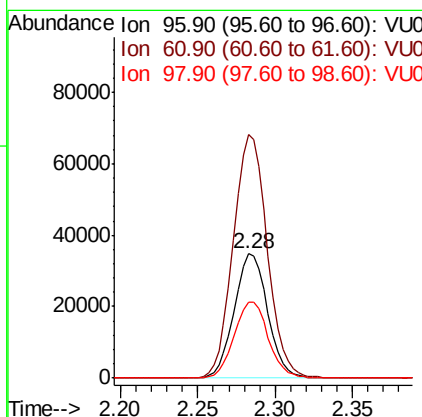
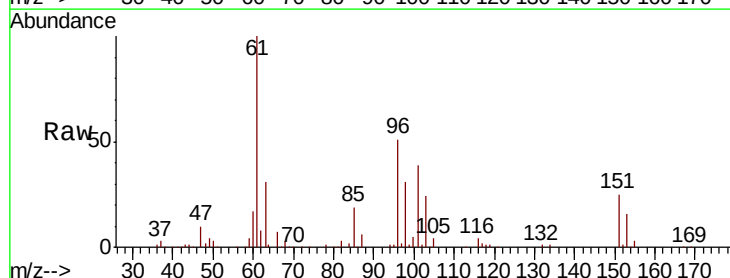
MMDadoda
9/24/2018 4:40:33 PM

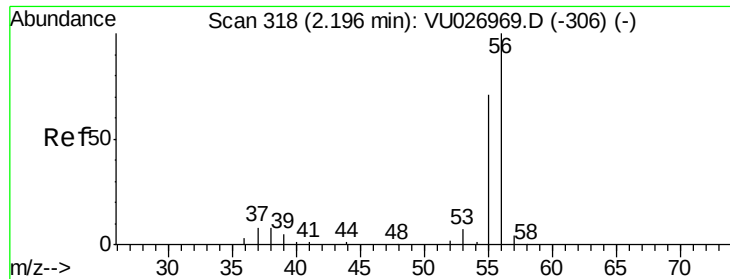


#12

1,1-Dichloroethene
Concen: 50.823 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.7	156.1	234.1
98	60.6	51.4	77.0





#13

Acrolein

Concen: 243.879 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 56 Resp: 45005

Ion Ratio Lower Upper

56 100

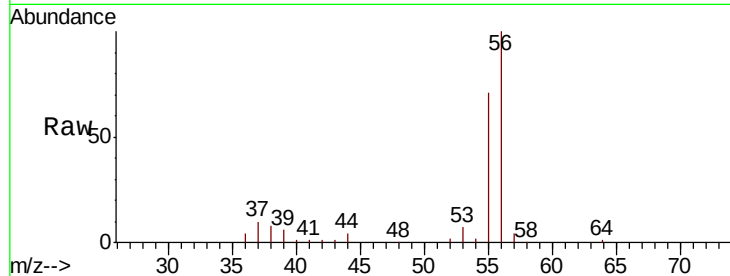
55 70.3 57.1 85.7

Manual Integrations

APPROVED

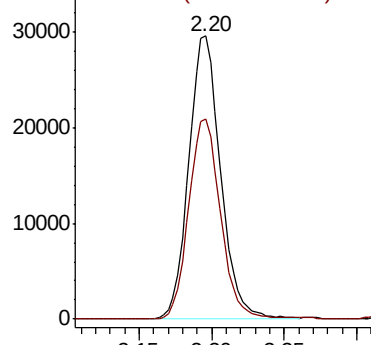
MMDadoda

9/24/2018 4:40:33 PM

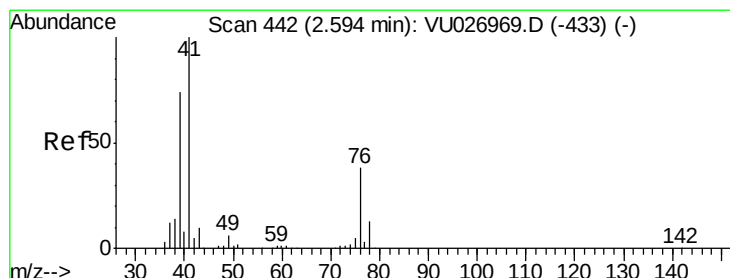
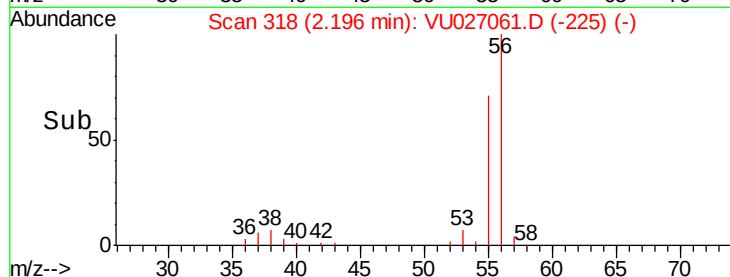


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 54.051 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

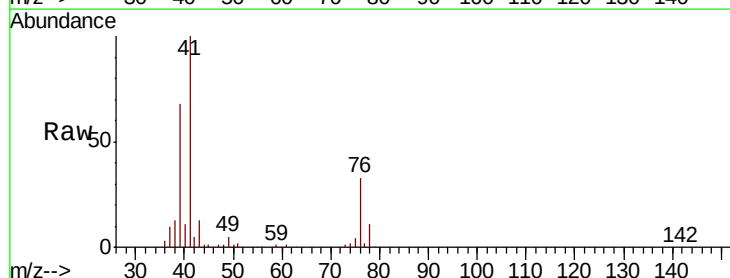
Tgt Ion: 41 Resp: 112358

Ion Ratio Lower Upper

41 100

39 66.9 55.7 83.5

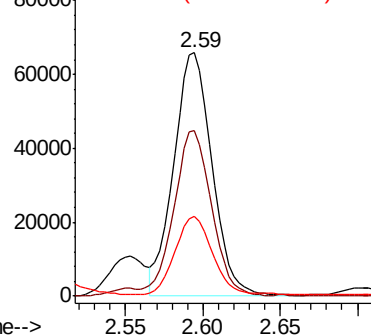
76 32.2 26.5 39.7



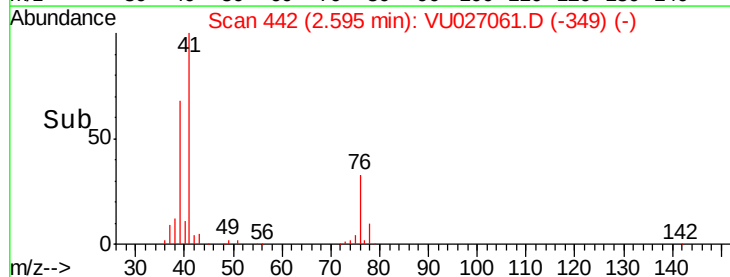
Abundance Ion 41.00 (40.70 to 41.70): VU0

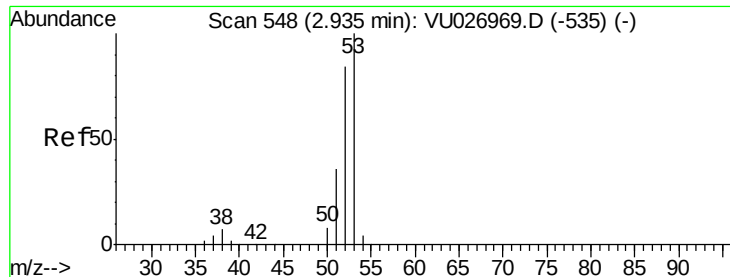
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#15

Acrylonitrile

Concen: 281.910 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

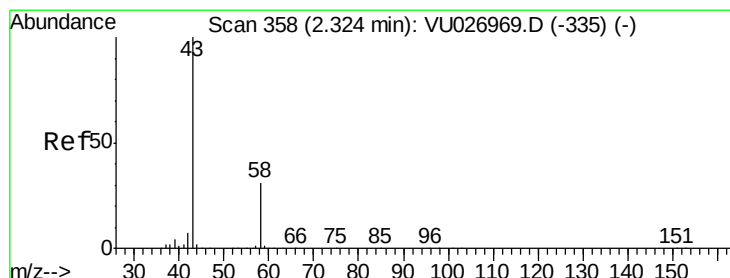
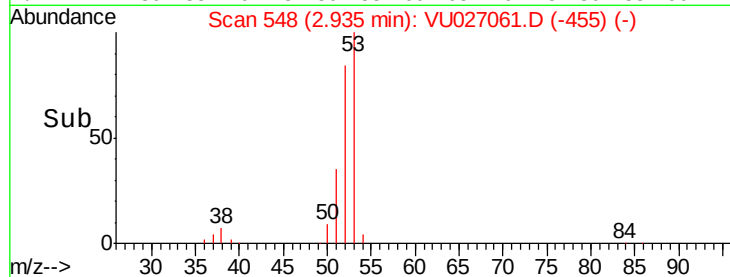
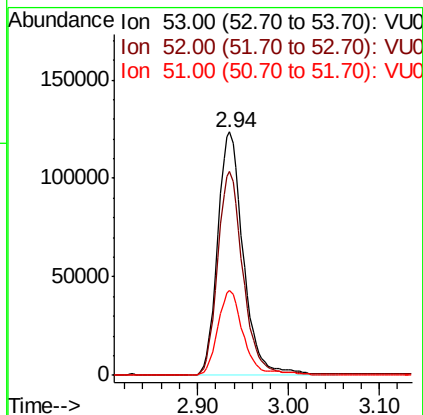
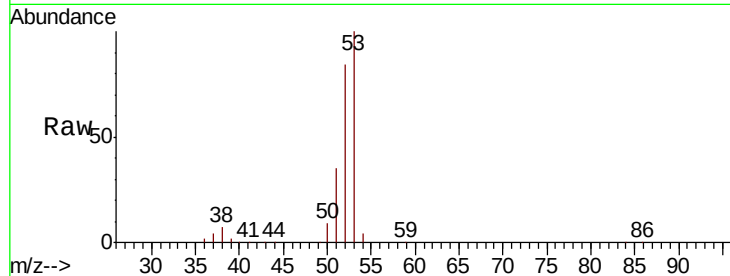
ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:	53	Resp:	243233
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	35.3	27.4	41.2

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 277.619 ug/l

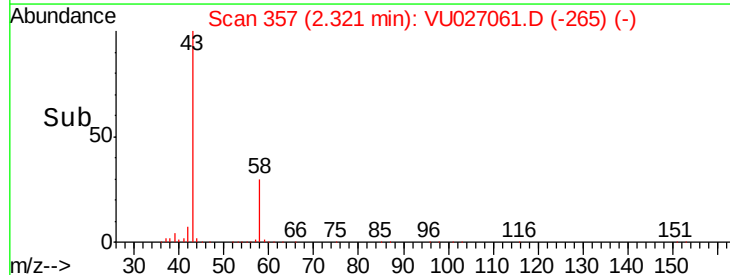
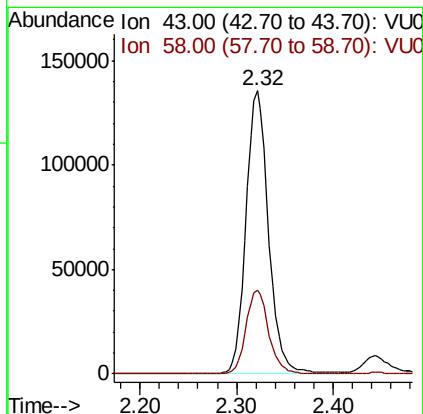
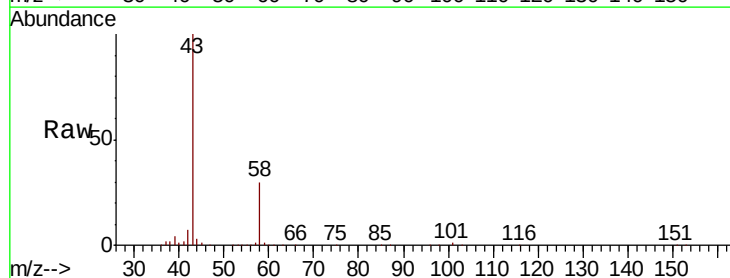
RT: 2.32 min Scan# 357

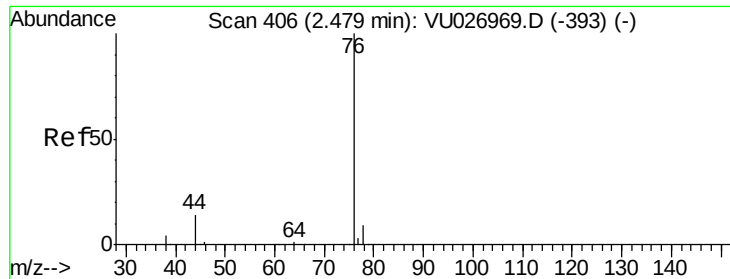
Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion:	43	Resp:	218796
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





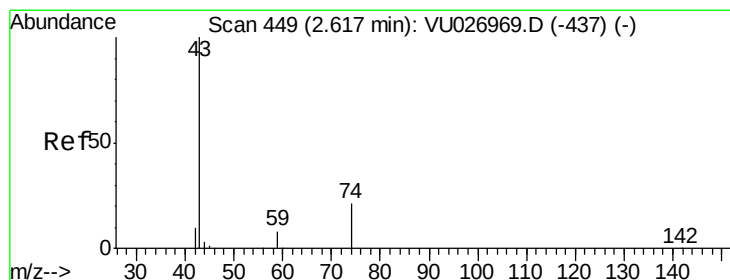
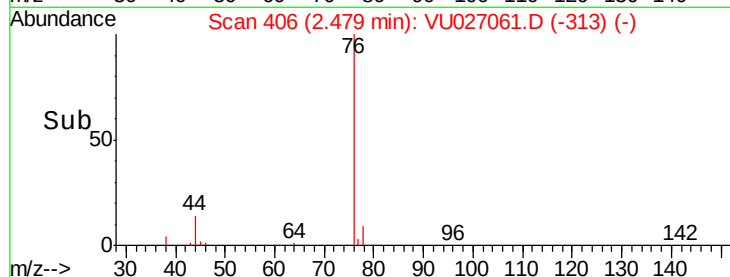
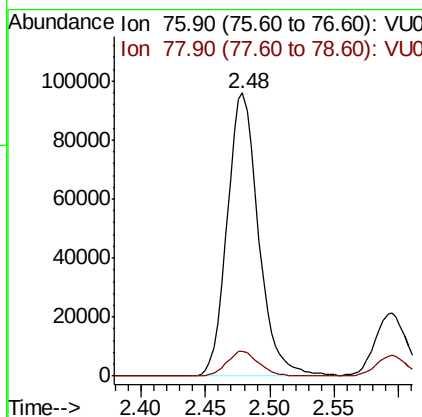
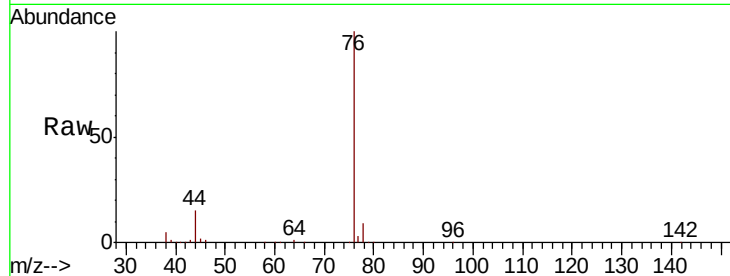
#17
Carbon Disulfide
Concen: 48.580 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

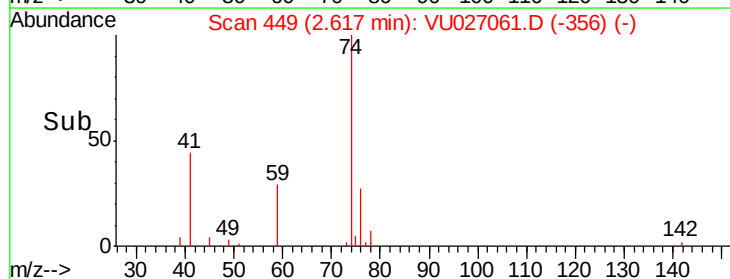
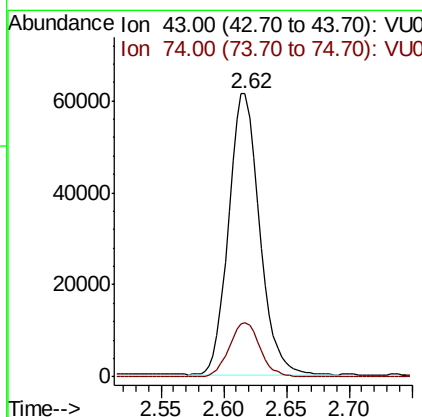
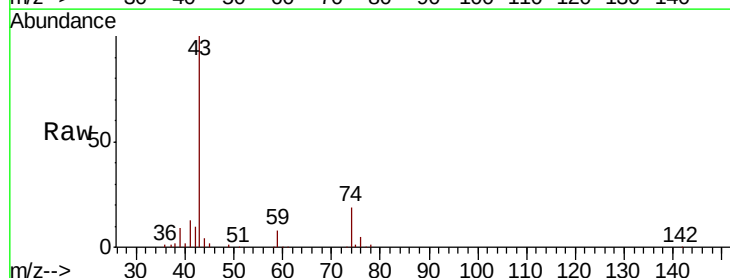
Manual Integrations
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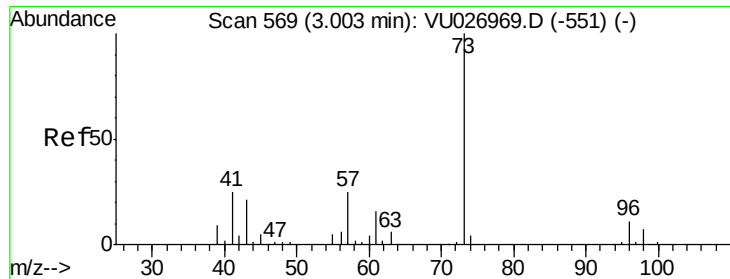
MMDadoda
9/24/2018 4:40:33 PM



#18
Methyl Acetate
Concen: 49.061 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	16.6	25.0





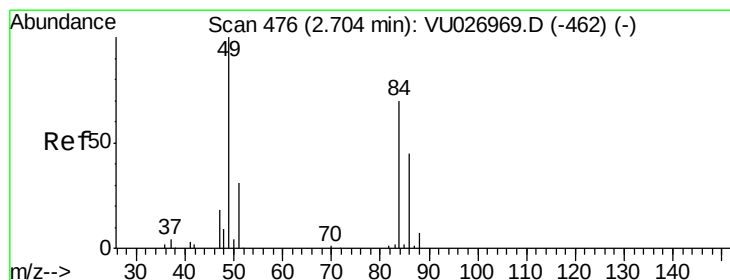
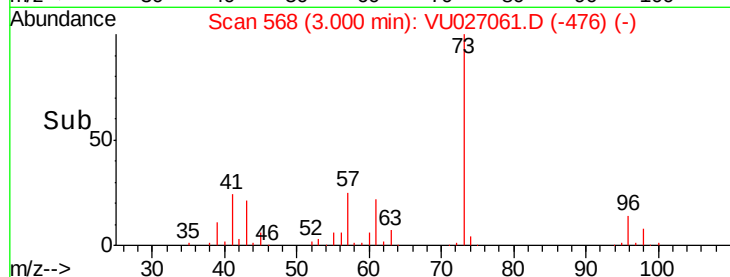
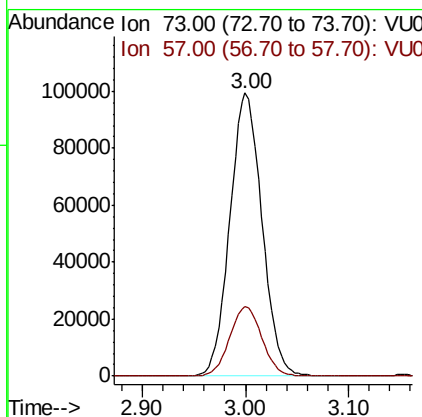
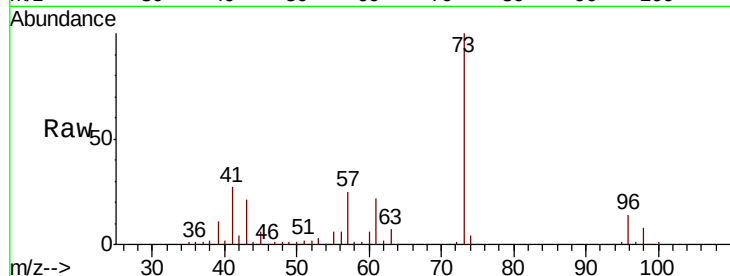
#19
Methyl tert-butyl Ether
Concen: 57.294 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion: 73 Resp: 215788
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.6

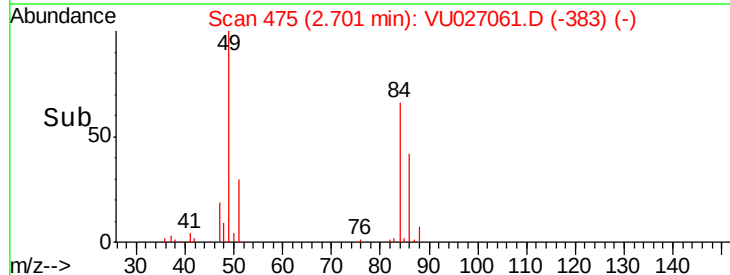
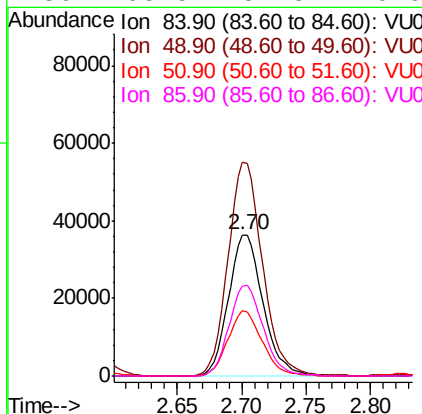
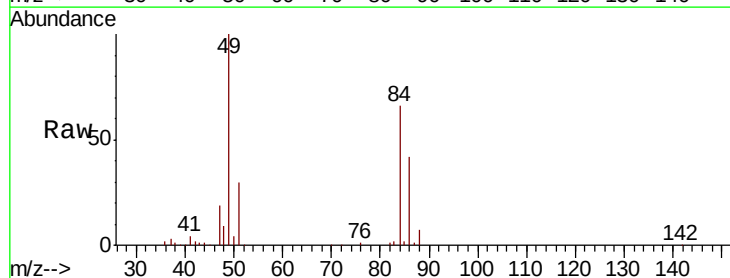
Manual Integrations
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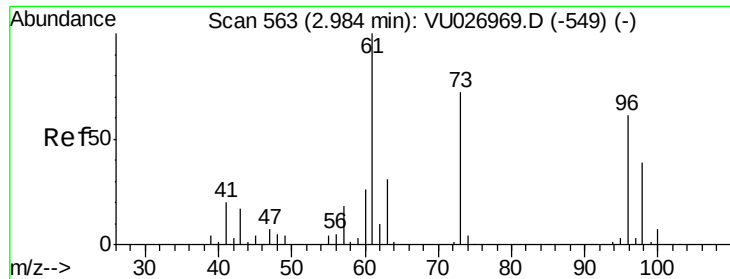
MMDadoda
9/24/2018 4:40:33 PM



#20
Methylene Chloride
Concen: 50.547 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion: 84 Resp: 67610
Ion Ratio Lower Upper
84 100
49 151.0 114.9 172.3
51 45.8 35.8 53.8
86 63.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 53.293 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 96 Resp: 58317

Ion Ratio Lower Upper

96 100

61 164.3 131.8 197.6

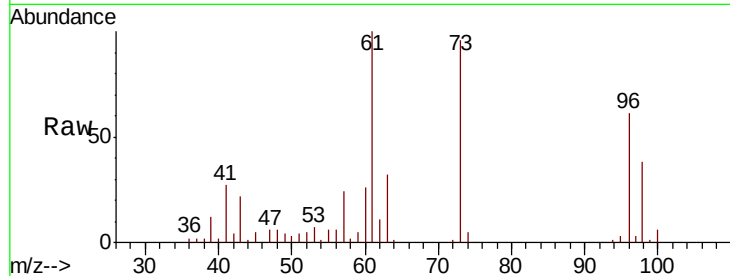
98 62.4 50.9 76.3

Manual Integrations

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MMDadoda

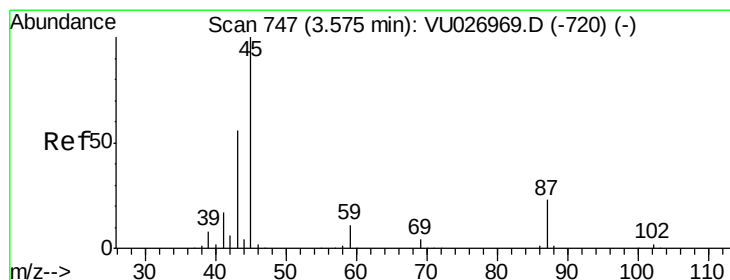
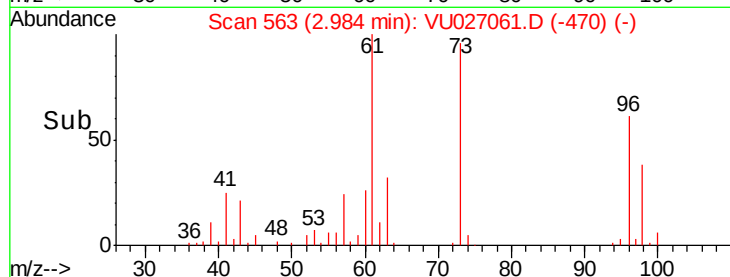
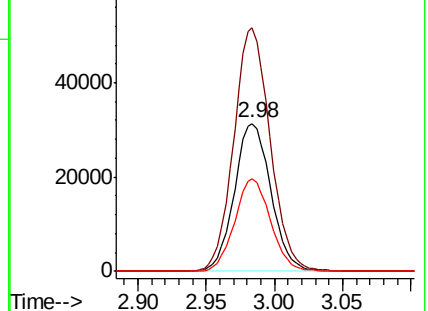
9/24/2018 4:40:33 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 59.988 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion: 45 Resp: 266722

Ion Ratio Lower Upper

45 100

43 55.5 45.8 68.6

87 21.4 18.6 28.0

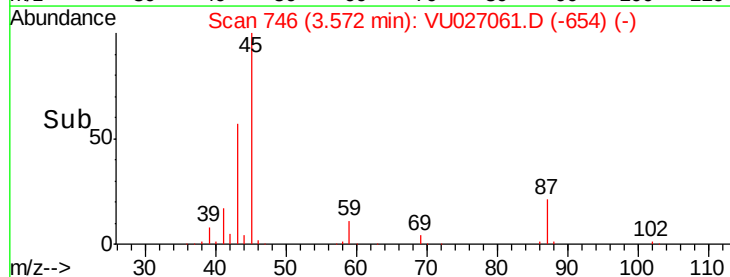
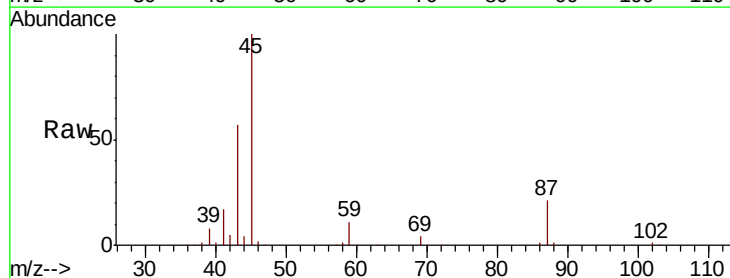
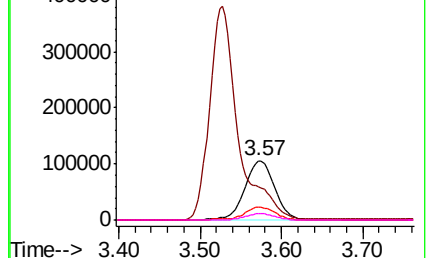
59 10.8 9.0 13.4

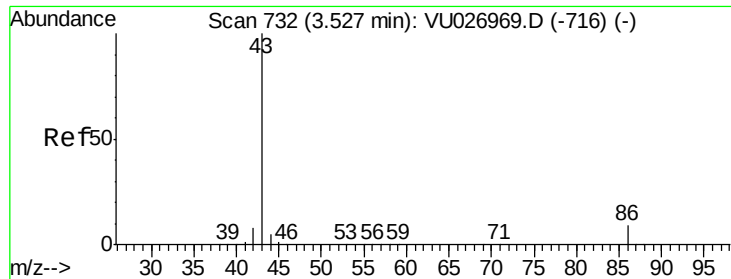
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 245.381 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 43 Resp: 930021

Ion Ratio Lower Upper

43 100

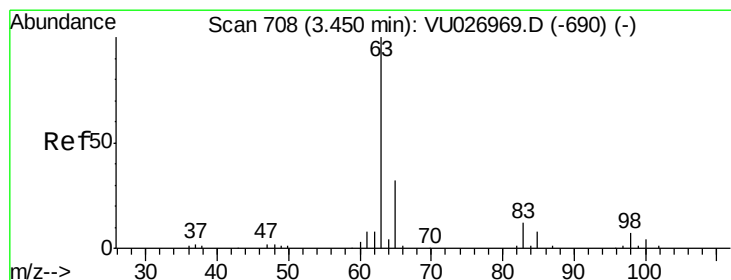
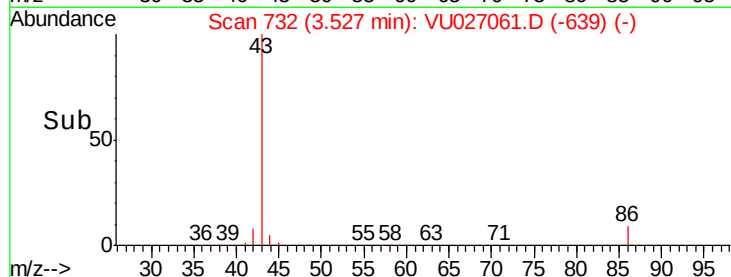
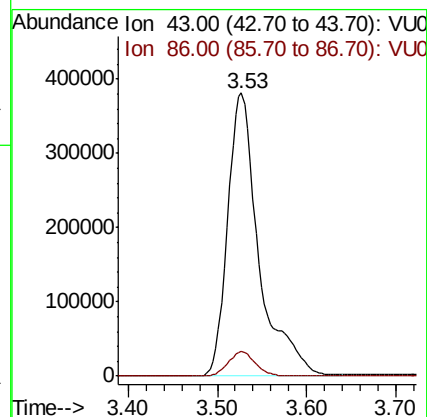
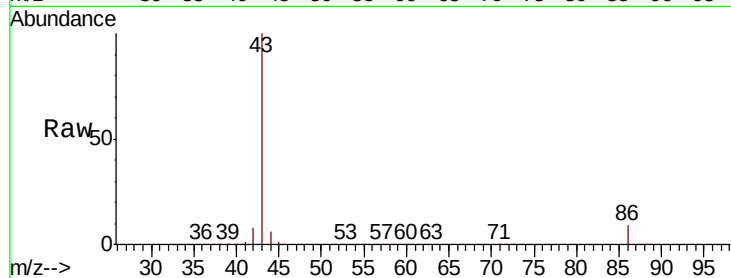
86 8.6 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 4:40:33 PM



#24

1,1-Dichloroethane

Concen: 56.060 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

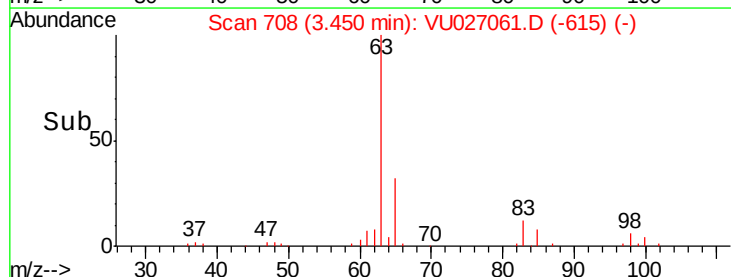
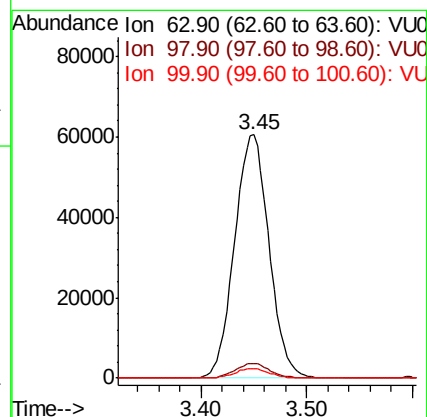
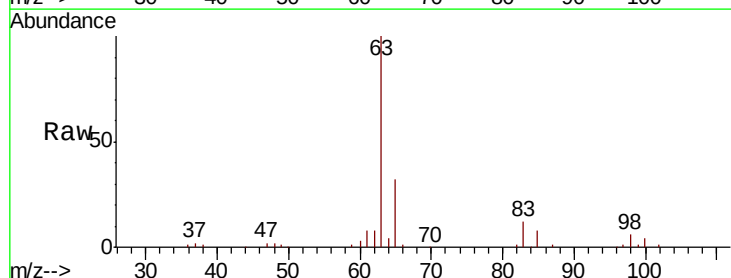
Tgt Ion: 63 Resp: 137281

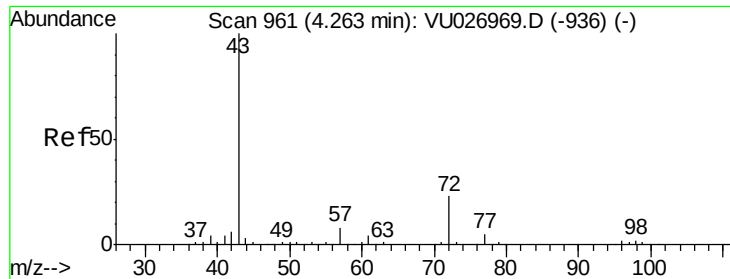
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 279.035 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 43 Resp: 350231

Ion Ratio Lower Upper

43 100

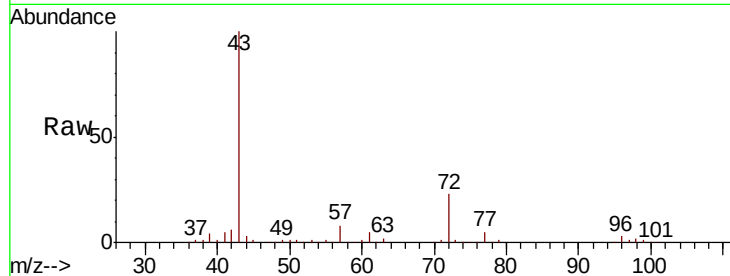
72 22.6 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

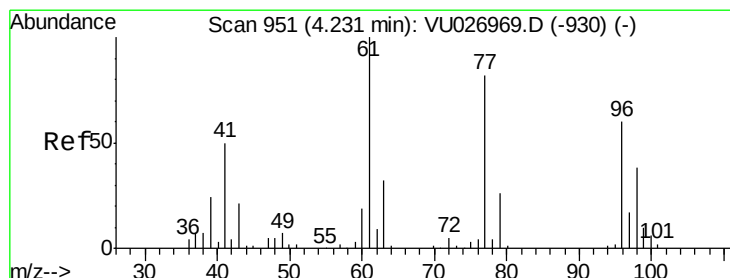
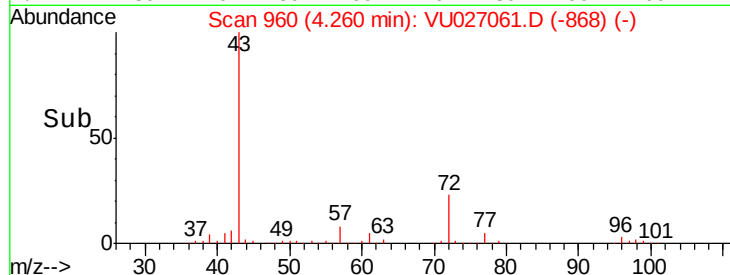
50000

0

4.10 4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 38.378 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027061.D

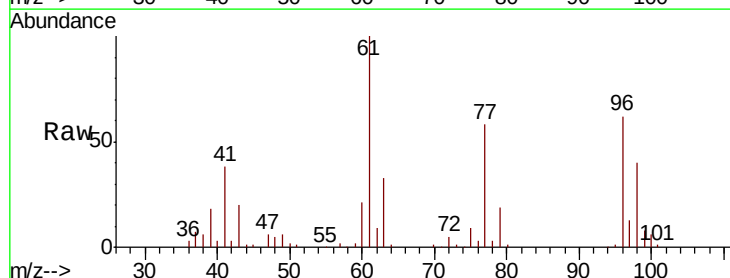
Acq: 23 Sep 2018 09:35

Tgt Ion: 77 Resp: 73295

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

10000

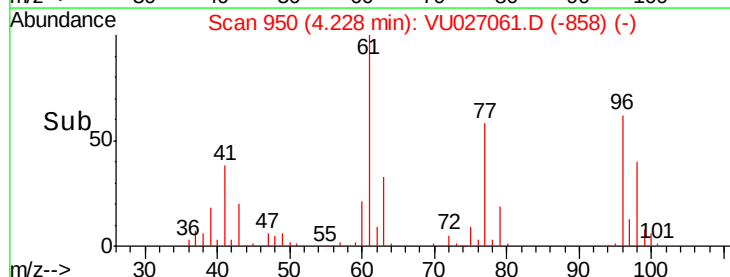
5000

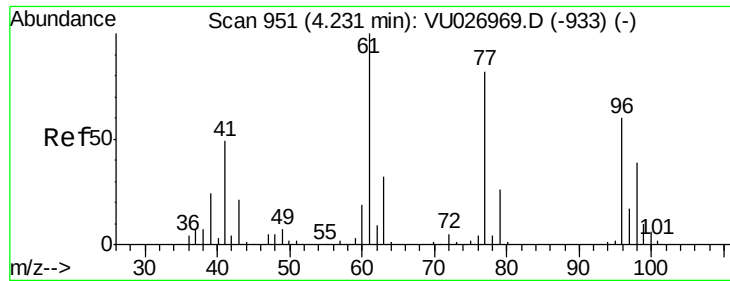
0

4.10 4.20 4.30

4.23

Time-->





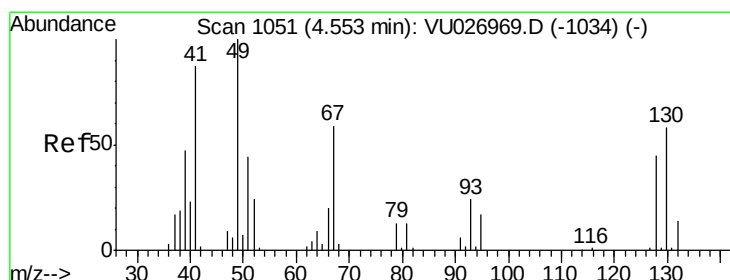
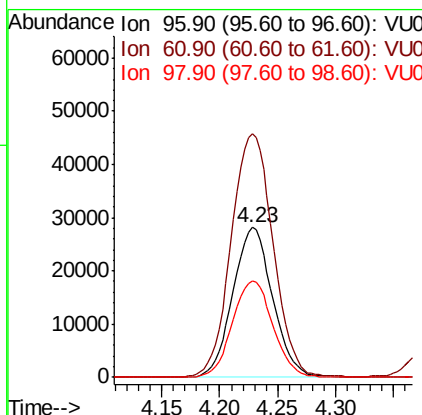
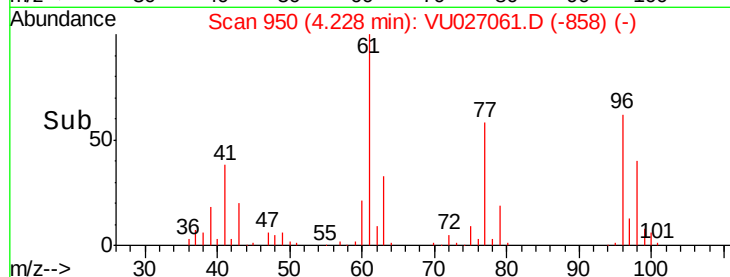
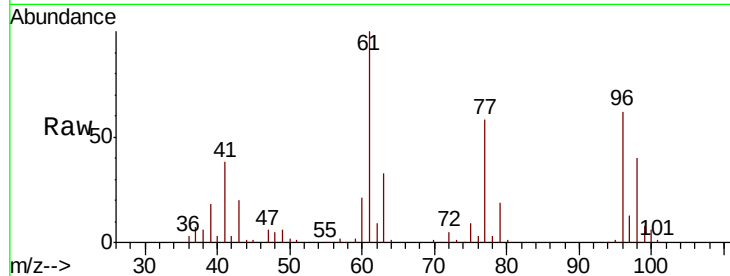
#27
 cis-1,2-Dichloroethene
 Concen: 54.289 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ12311-20180914MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.4	0.0	337.2
98	65.5	0.0	127.6

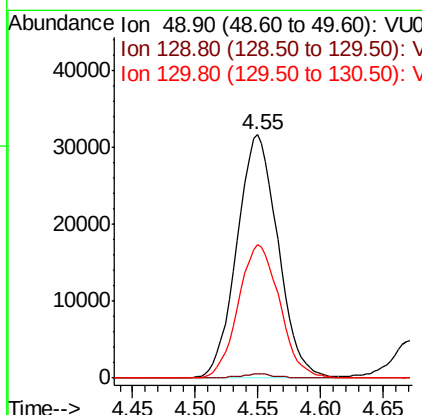
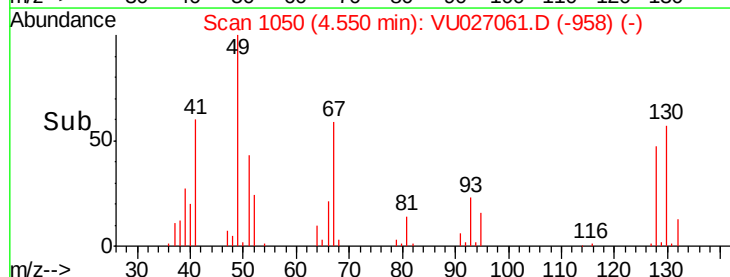
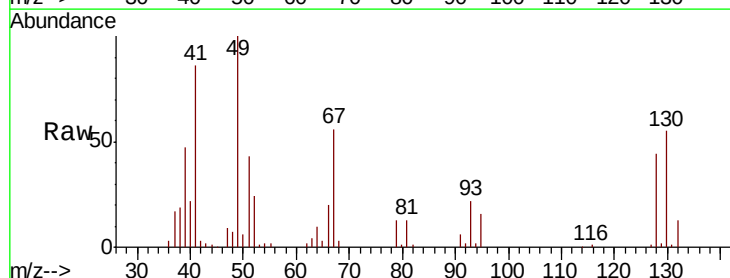
Manual Integrations
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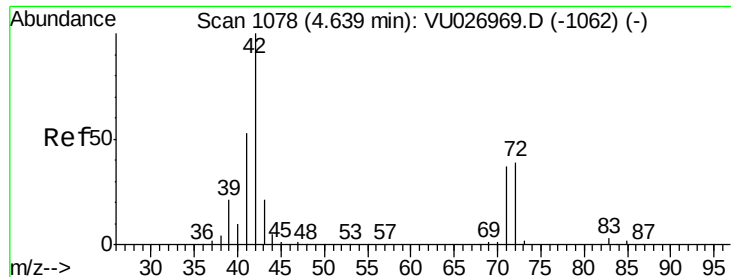
MMDadoda
 9/24/2018 4:40:33 PM



#28
 Bromochloromethane
 Concen: 61.231 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	55.2	47.8	71.8





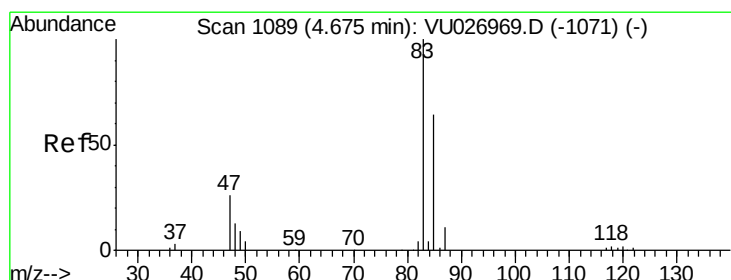
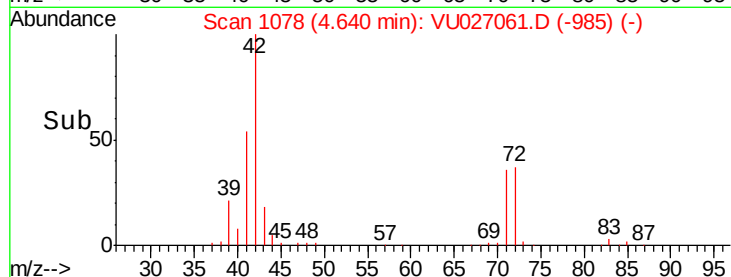
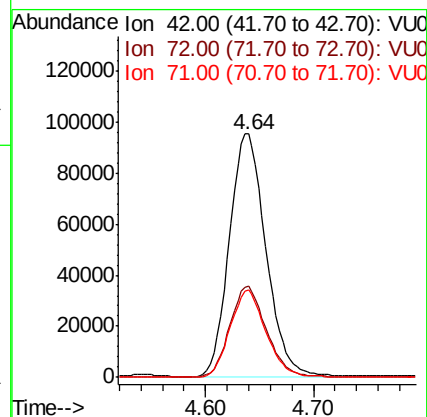
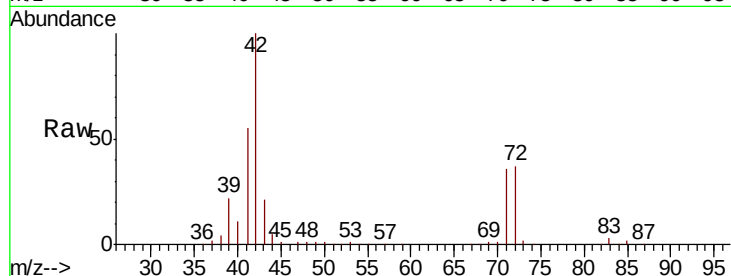
#29
Tetrahydrofuran
Concen: 295.889 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.7	47.5
71	35.4	29.6	44.4

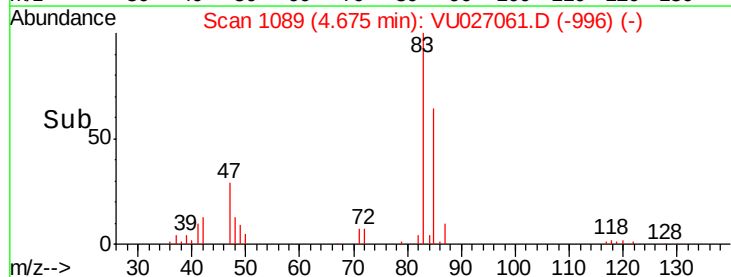
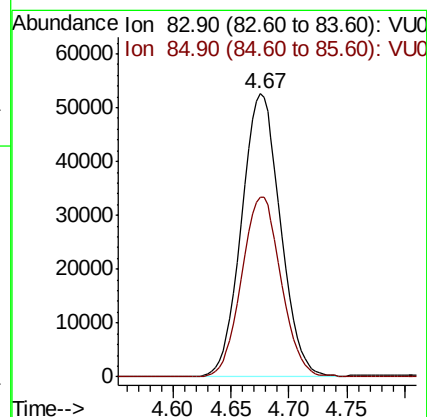
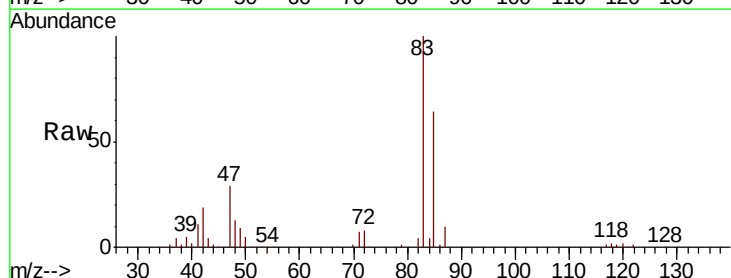
Manual Integrations
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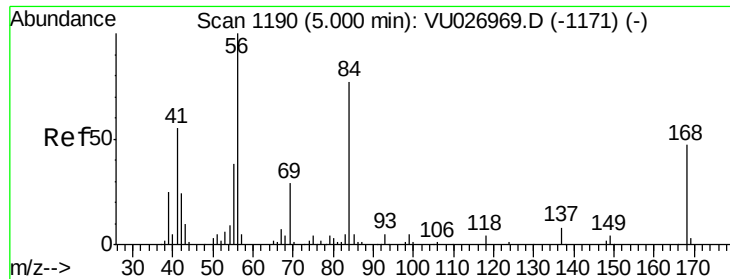
MMDadoda
9/24/2018 4:40:33 PM



#30
Chloroform
Concen: 53.925 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





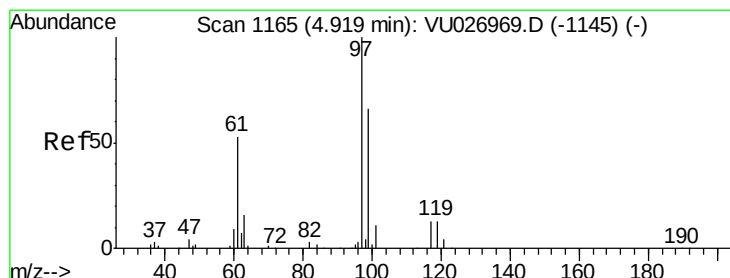
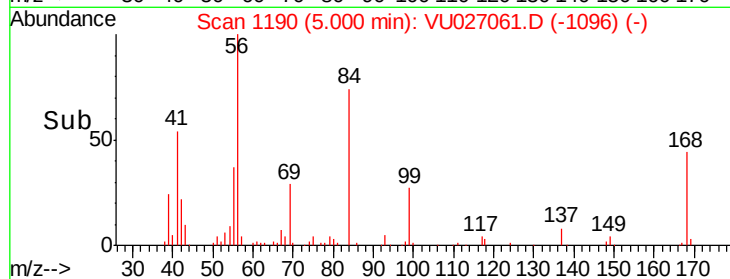
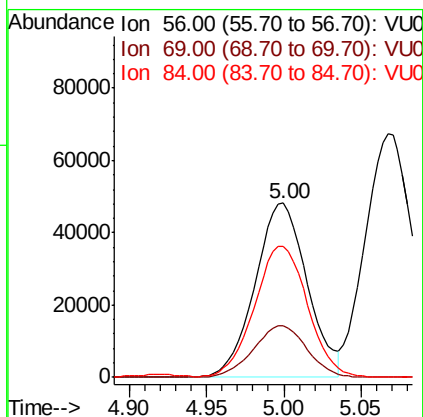
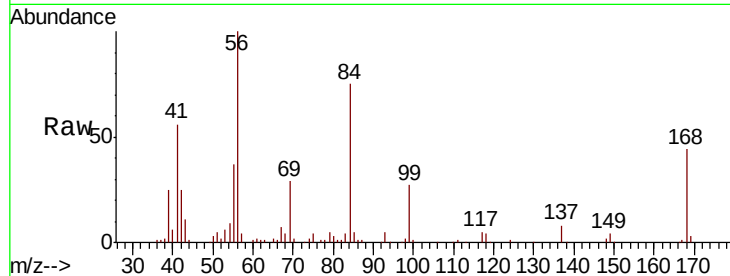
#31
Cyclohexane
Concen: 50.777 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	74.5	61.4	92.2

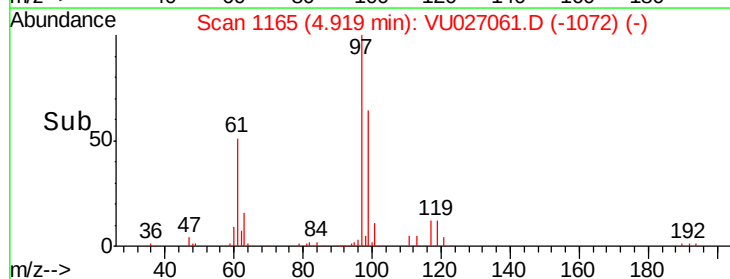
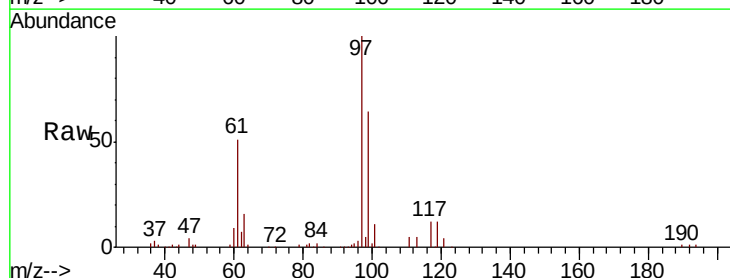
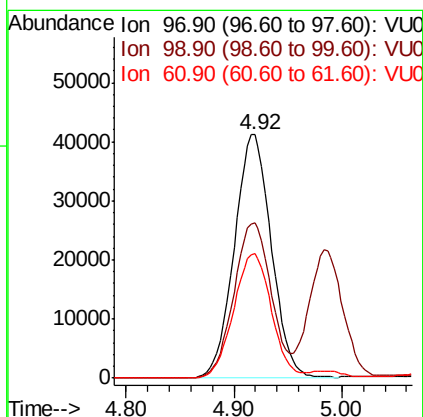
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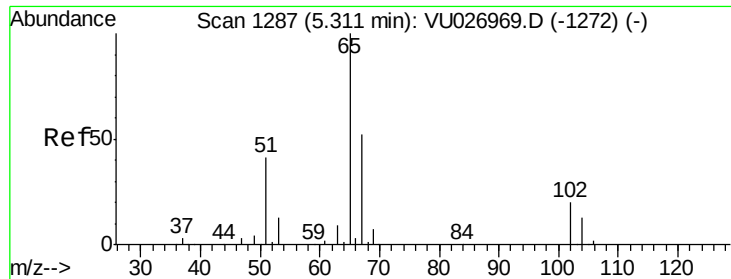
MMDadoda
9/24/2018 4:40:33 PM



#32
1,1,1-Trichloroethane
Concen: 54.288 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	52.1	41.1	61.7





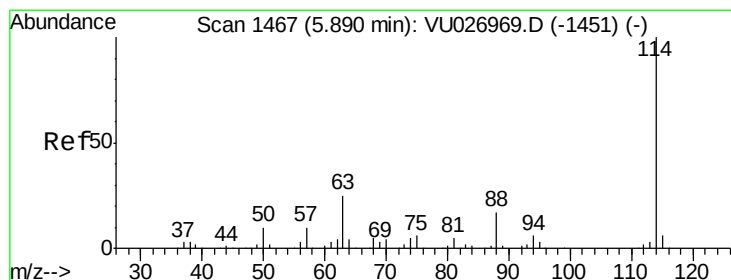
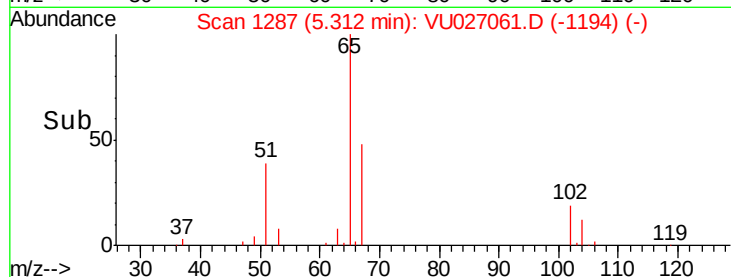
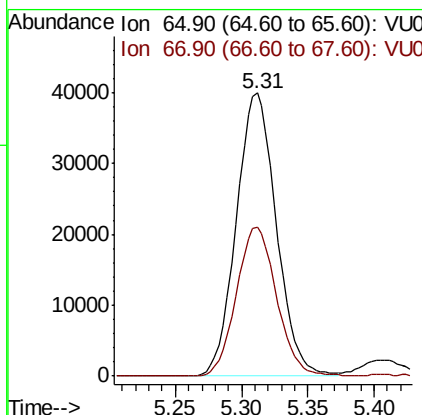
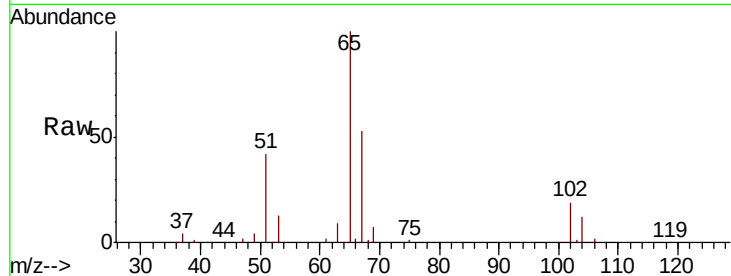
#33
 1,2-Dichloroethane-d4
 Concen: 56.246 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.6

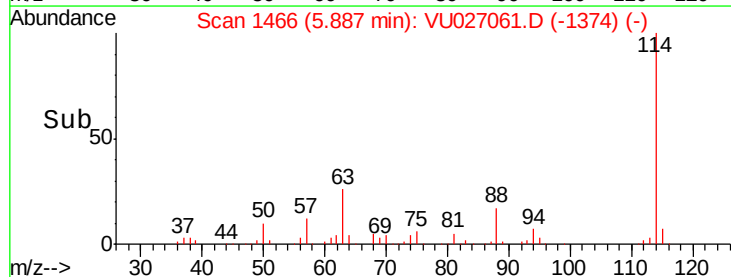
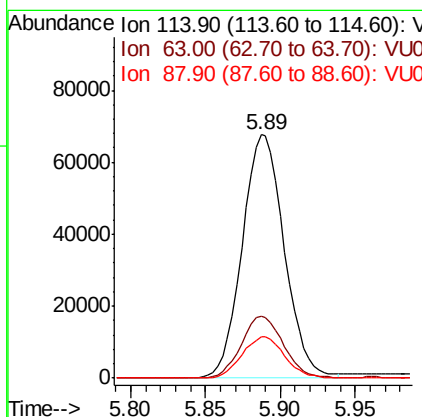
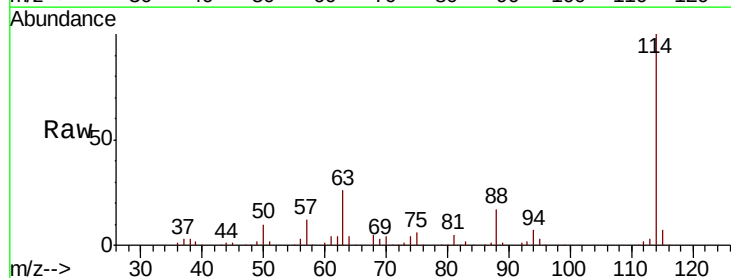
Manual Integrations
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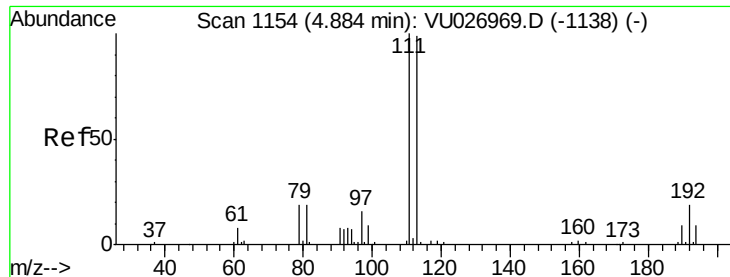
MMDadoda
 9/24/2018 4:40:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.2
88	16.8	0.0	33.8





#35

Dibromofluoromethane

Concen: 50.881 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

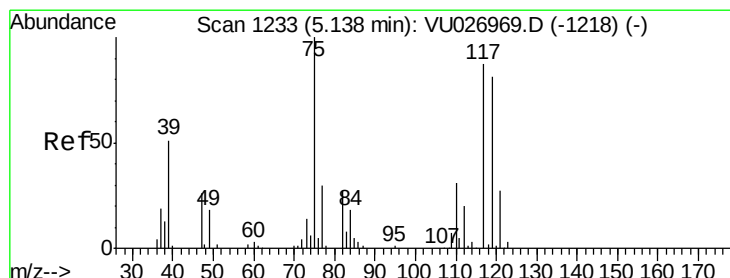
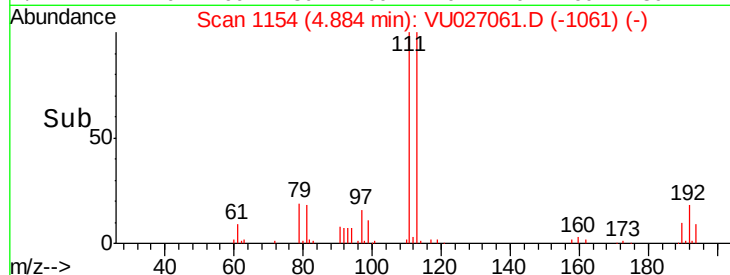
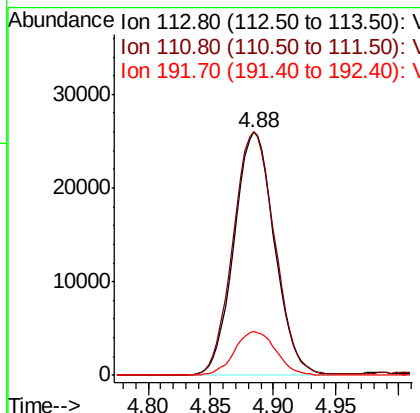
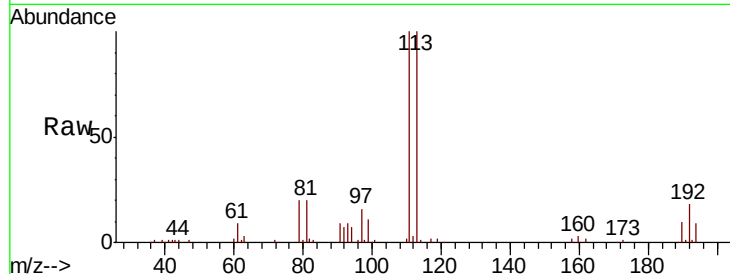
ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:	113	Resp:	58331
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	18.6	15.2	22.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.895 ug/l

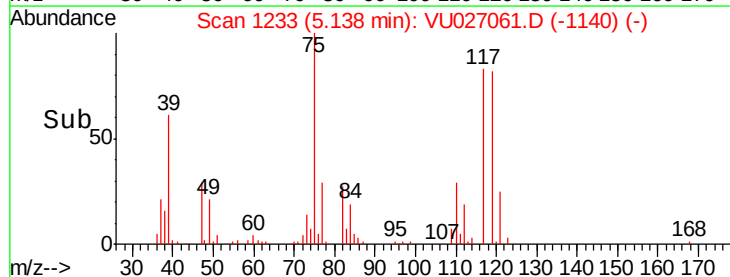
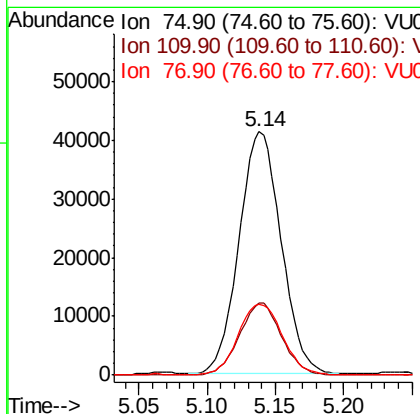
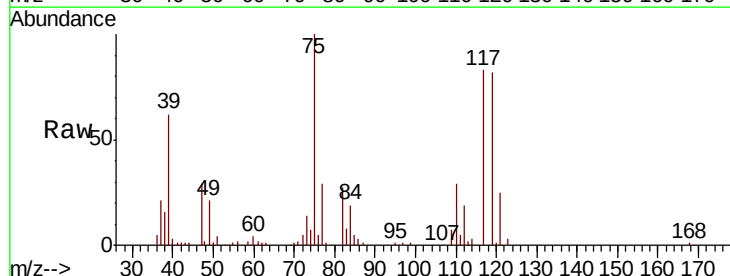
RT: 5.14 min Scan# 1233

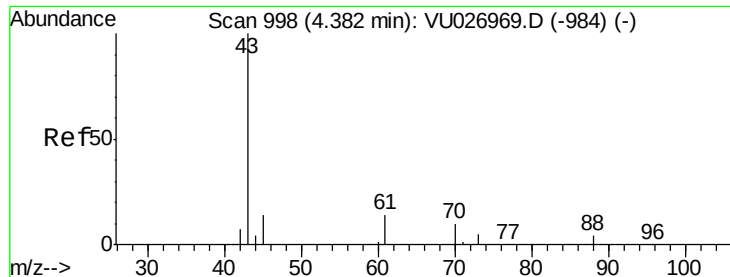
Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion:	75	Resp:	88072
Ion	Ratio	Lower	Upper
75	100		
110	29.8	16.1	48.2
77	31.1	24.6	36.8





#37

Ethyl Acetate

Concen: 44.775 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

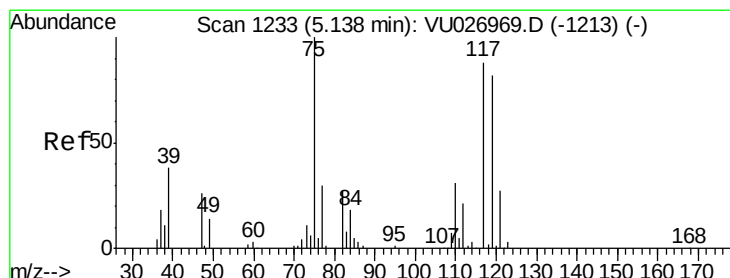
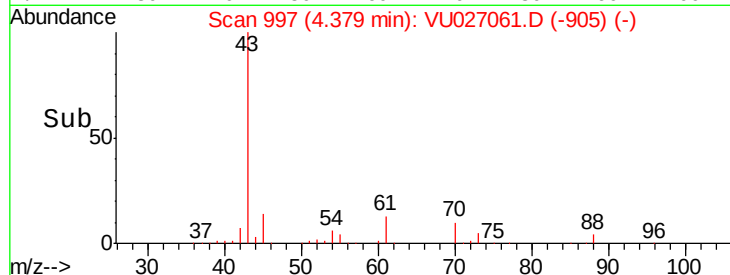
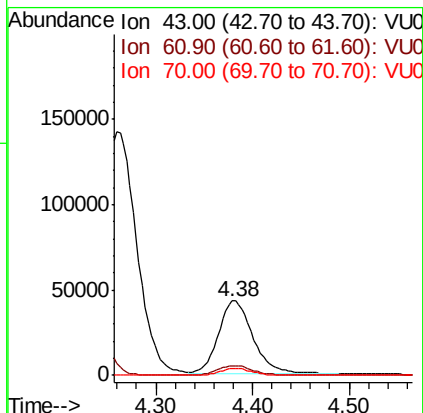
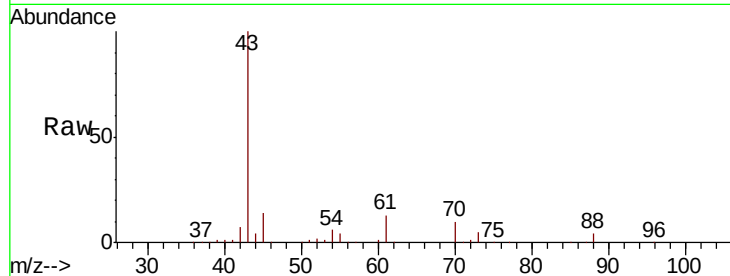
ClientSampleId :

SA-PZ12311-20180914MS

Tot Ion:	43	Resp:	106993
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	8.8	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.900 ug/l

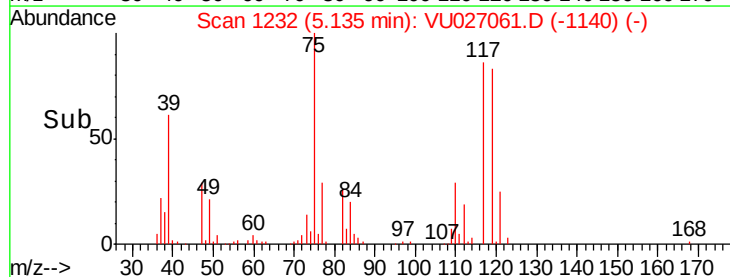
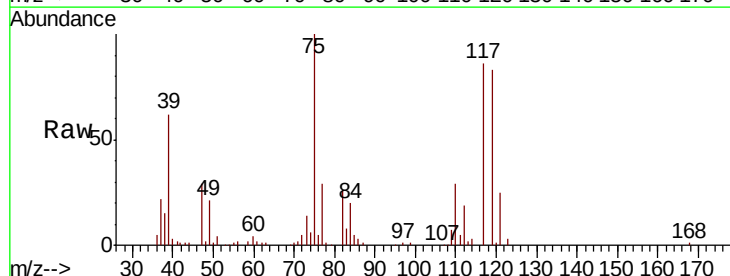
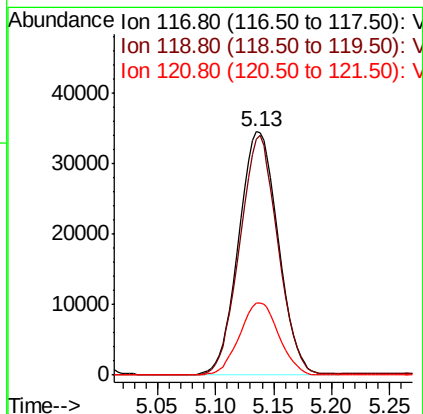
RT: 5.13 min Scan# 1232

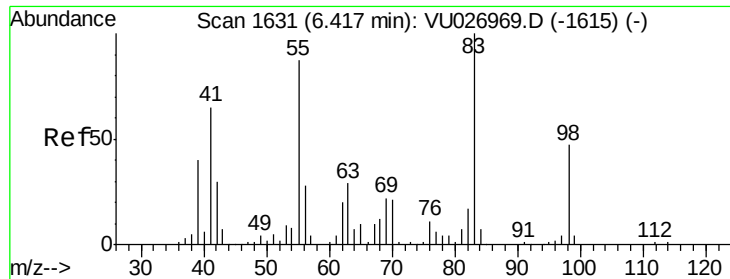
Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion:	117	Resp:	82141
Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.4	111.6
121	29.4	24.2	36.4





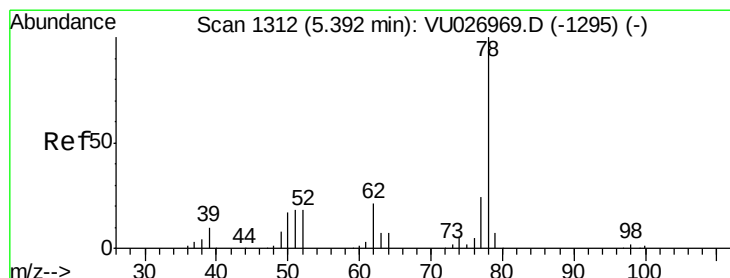
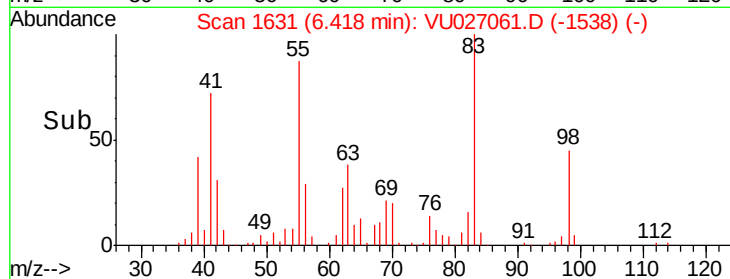
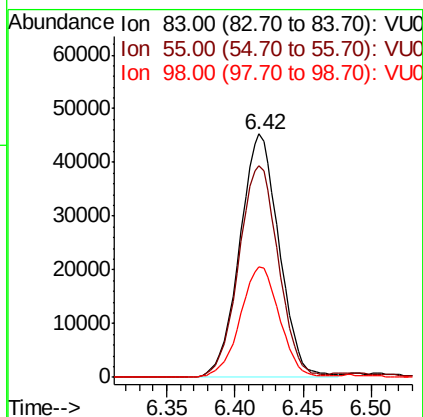
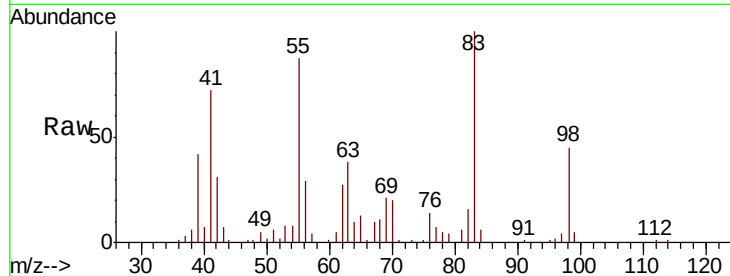
#39
Methylvlcyclohexane
Concen: 47.273 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	69.9	104.9
98	45.3	37.5	56.3

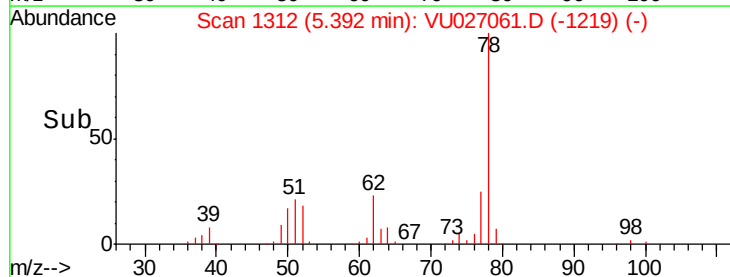
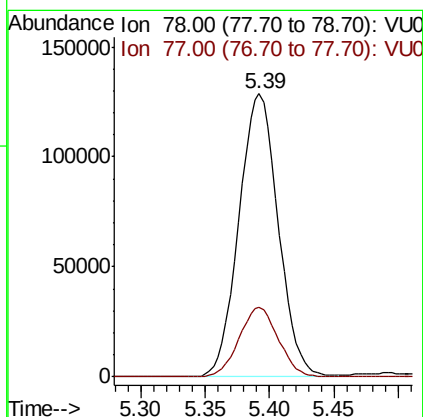
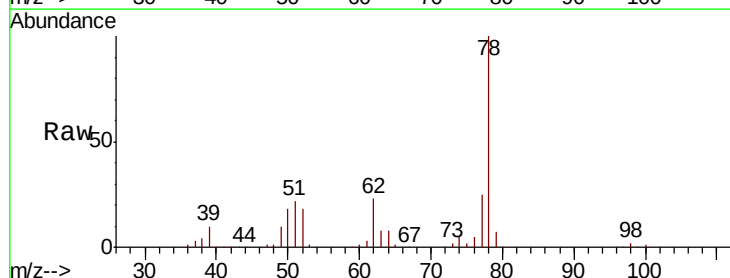
Manual Integrations
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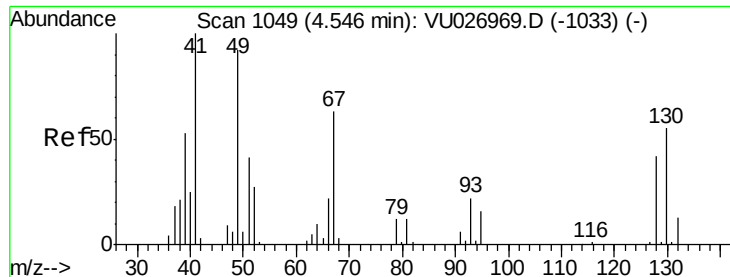
MMDadoda
9/24/2018 4:40:33 PM



#40
Benzene
Concen: 50.869 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.0





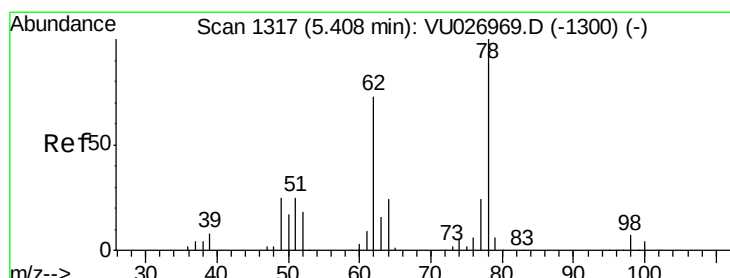
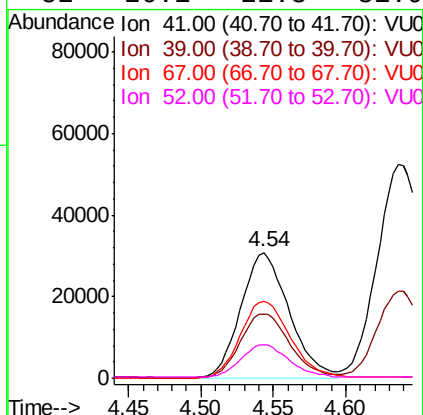
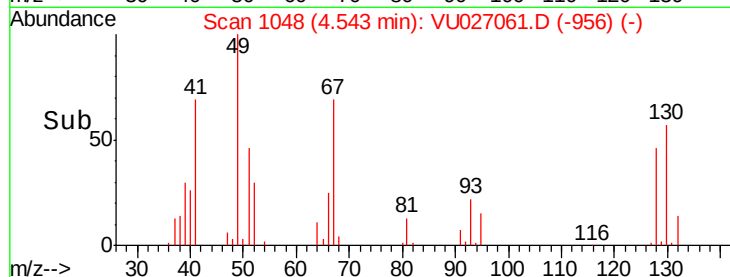
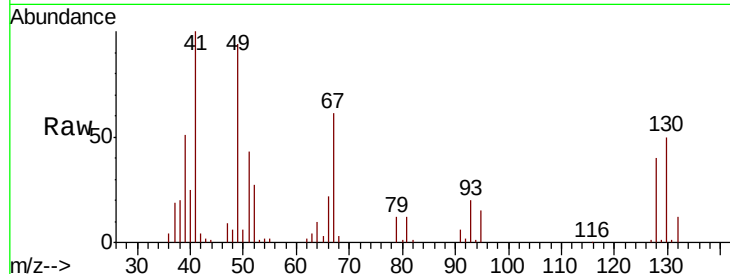
#41
Methacrylonitrile
Concen: 57.683 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.9	64.3	
67	63.7	52.4	78.6	
52	26.1	21.3	31.9	

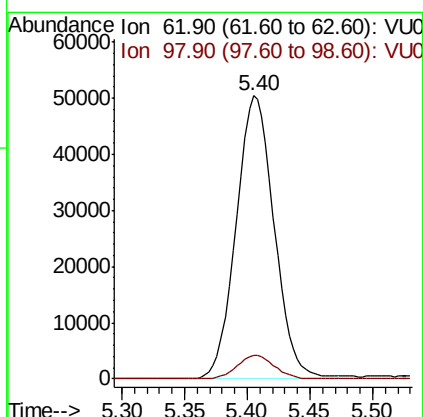
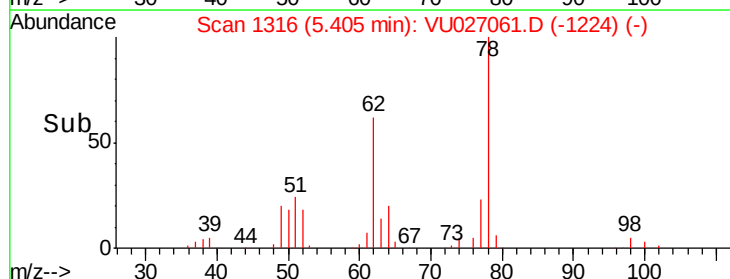
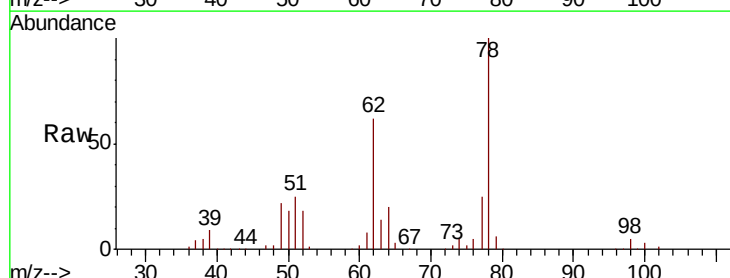
Manual Integrations
APPROVED

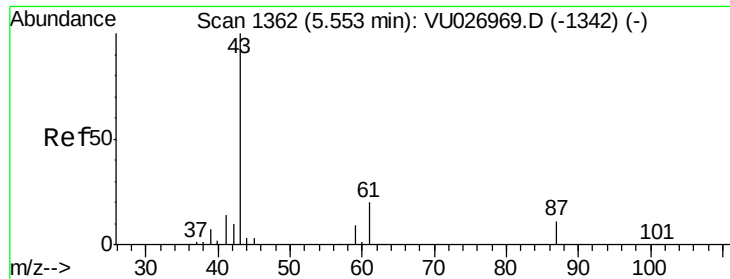
MMDadoda
9/24/2018 4:40:33 PM



#42
1,2-Dichloroethane
Concen: 52.510 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.0	





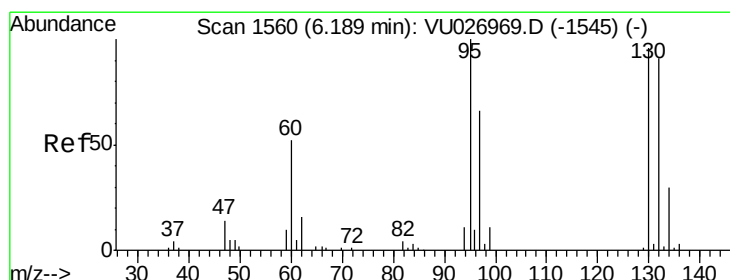
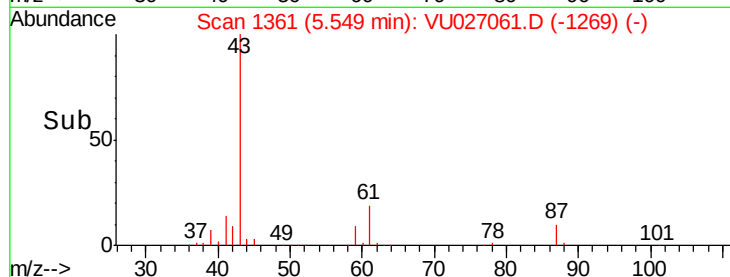
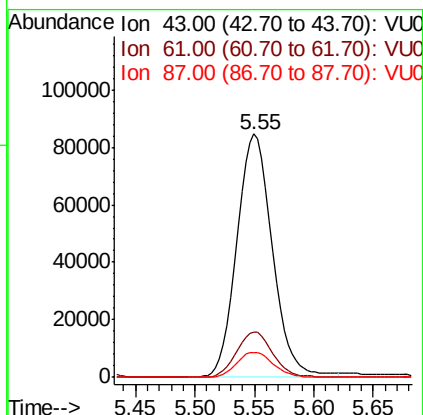
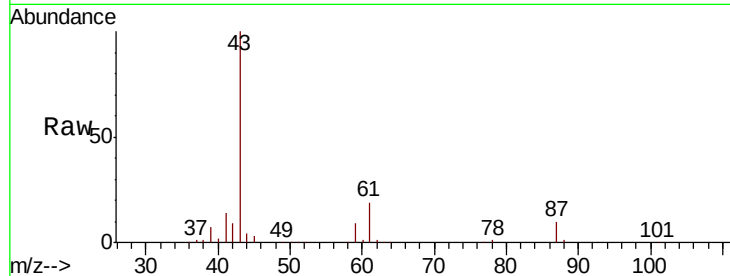
#43
Isopropyl Acetate
Concen: 50.230 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.8	9.0	13.4

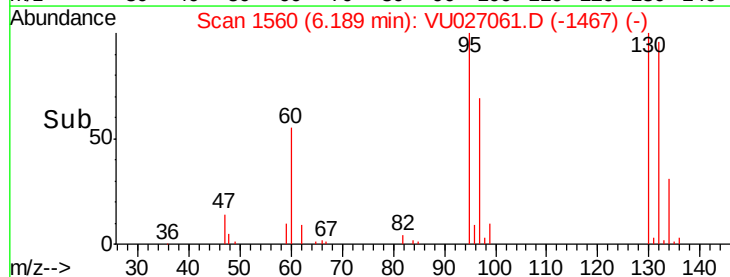
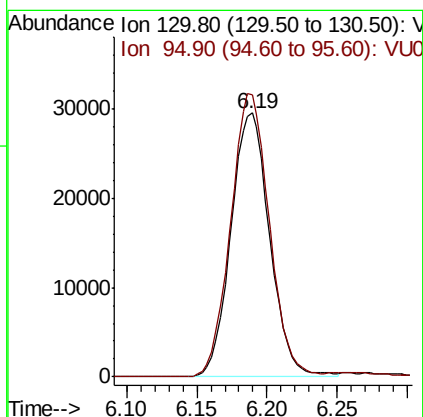
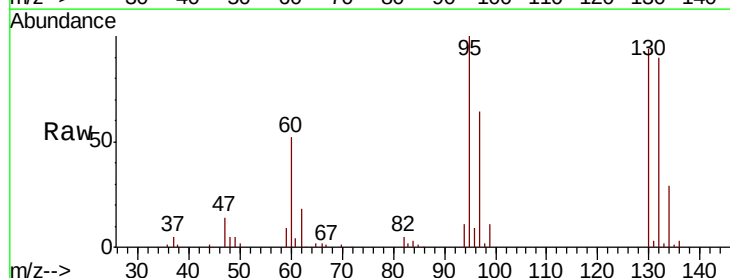
Manual Integrations
APPROVED

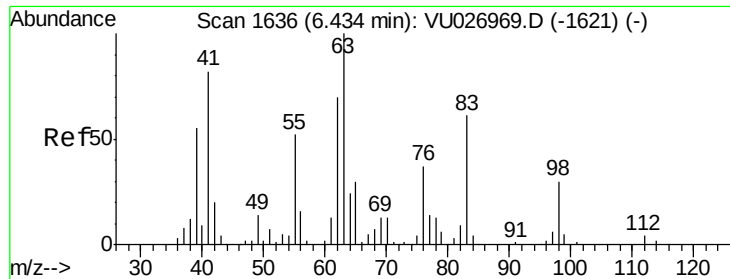
MMDadoda
9/24/2018 4:40:33 PM



#44
Trichloroethene
Concen: 49.841 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	208.8





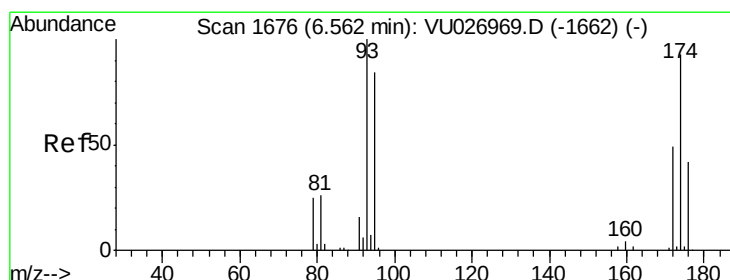
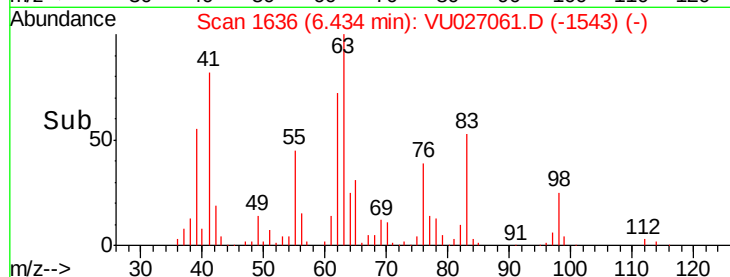
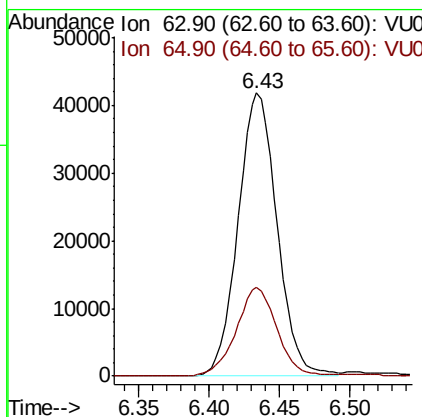
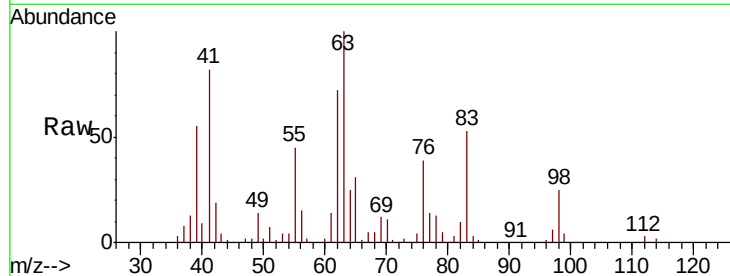
#45
 1,2-Dichloropropane
 Concen: 52.973 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion: 63 Resp: 80994
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5

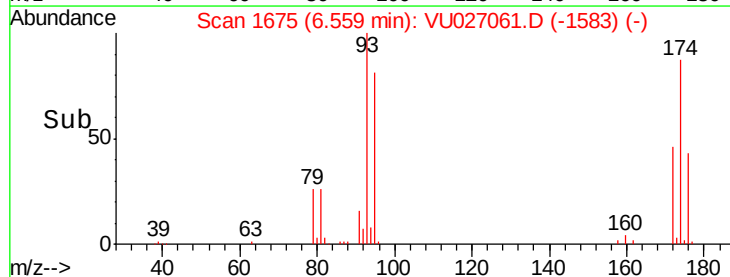
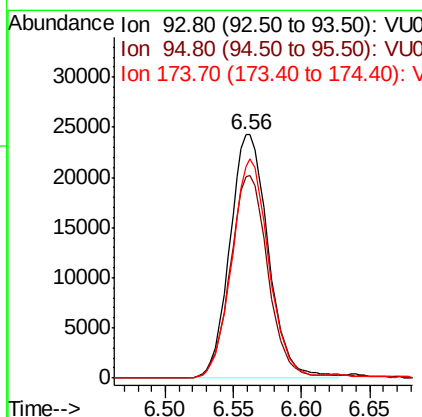
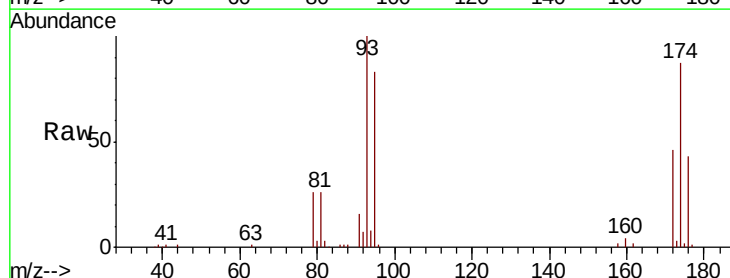
Manual Integrations
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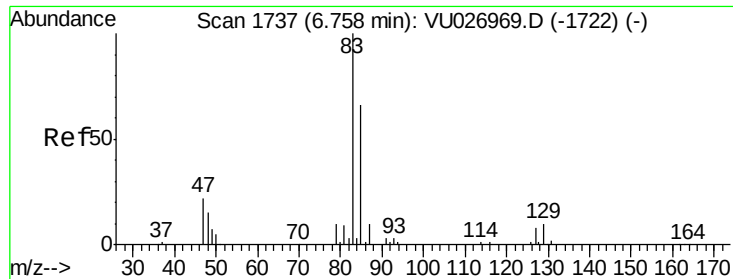
MMDadoda
 9/24/2018 4:40:33 PM



#46
 Dibromomethane
 Concen: 51.472 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion: 93 Resp: 47530
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.4
 174 86.2 71.7 107.5





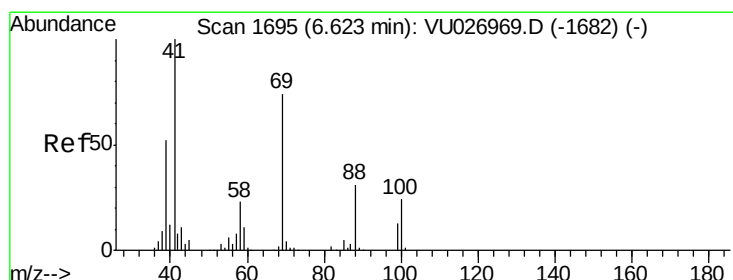
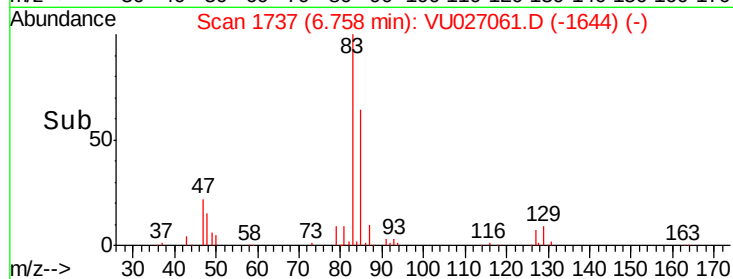
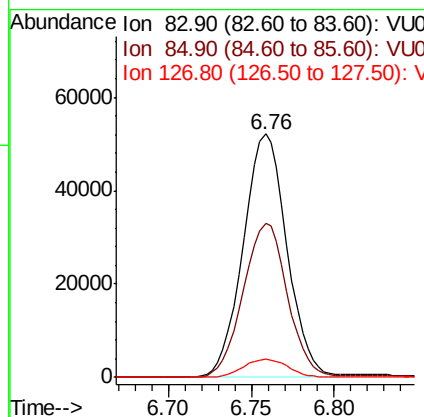
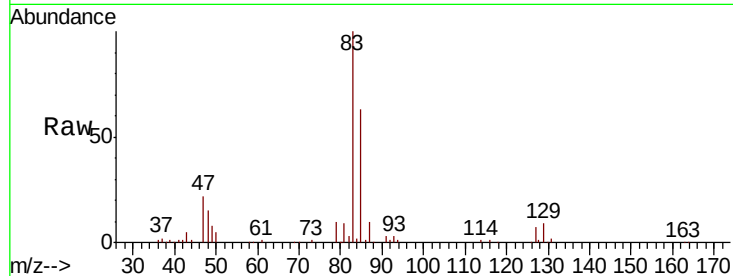
#47
Bromodichloromethane
Concen: 51.189 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	52.5	78.7	
127	7.3	6.3	9.5	

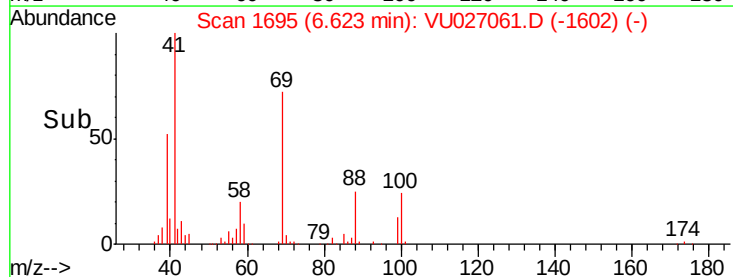
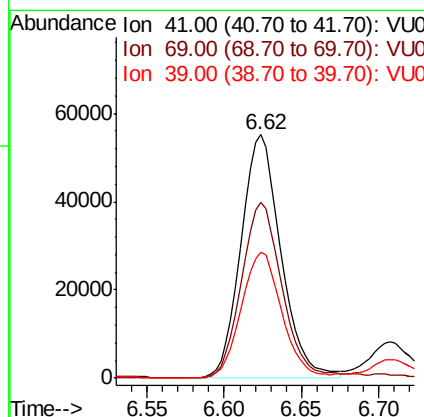
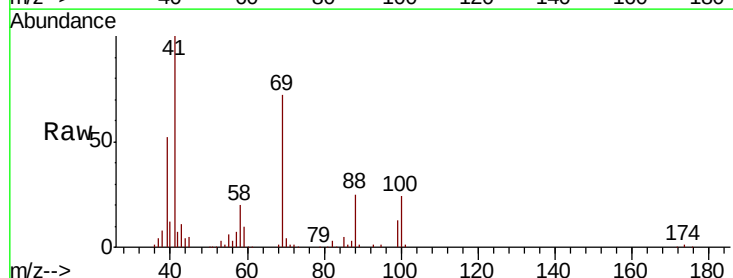
Manual Integrations
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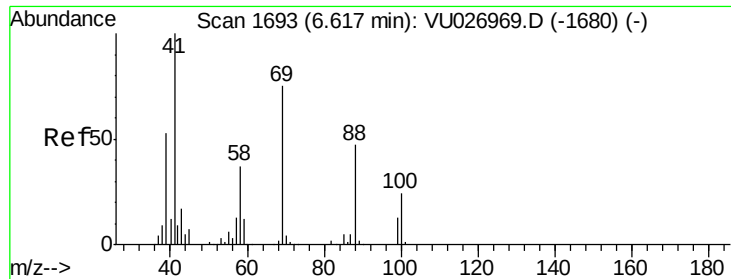
MMDadoda
9/24/2018 4:40:33 PM



#48
Methyl methacrylate
Concen: 52.026 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.2	60.6	90.8	
39	52.8	42.8	64.2	





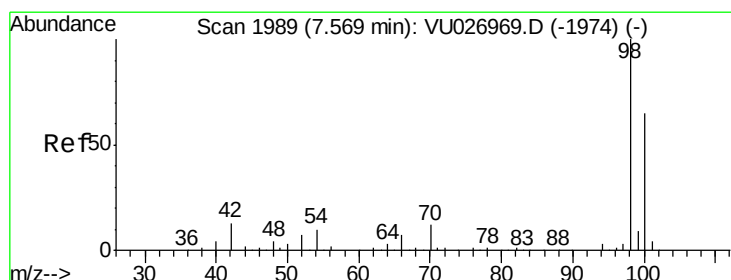
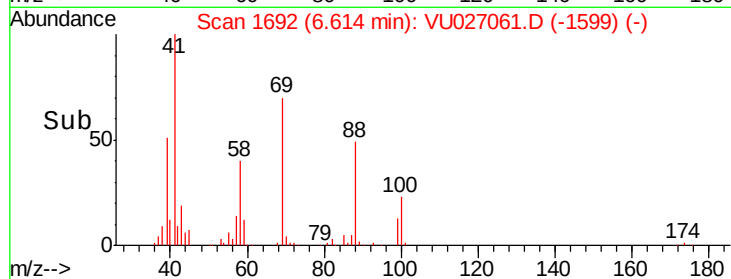
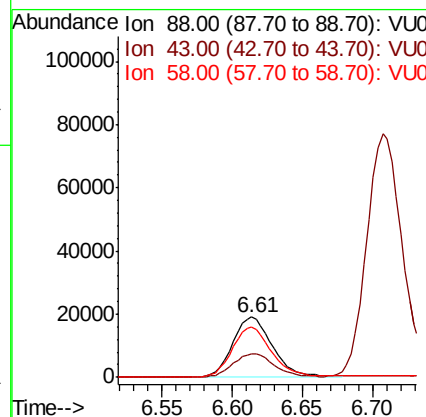
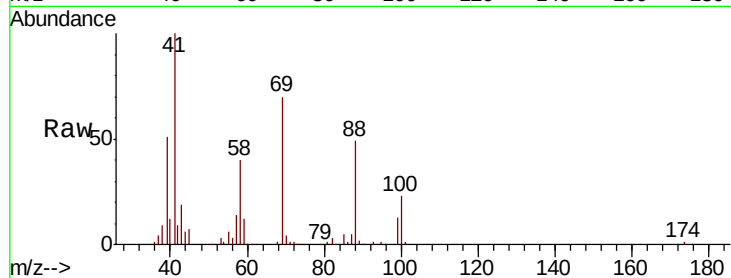
#49
1,4-Dioxane
Concen: 989.882 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	29.8	44.8
58	83.2	63.9	95.9

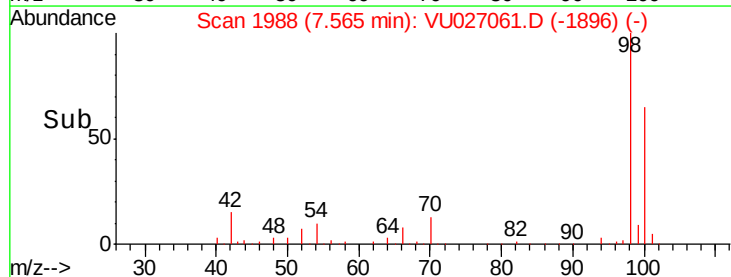
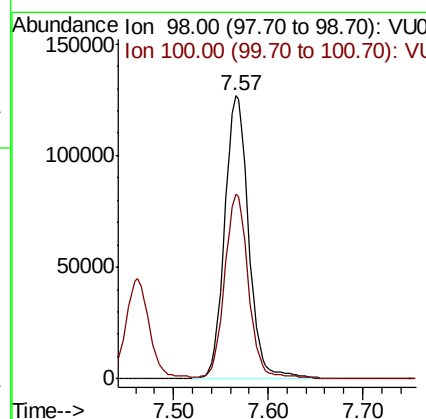
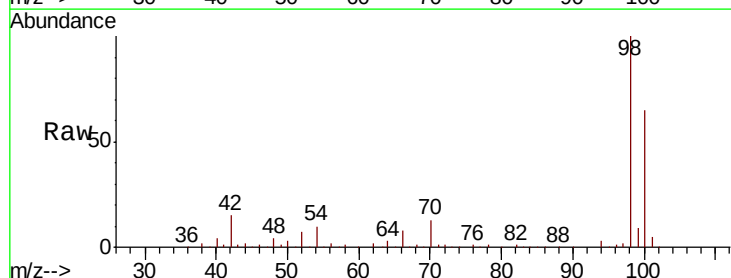
Manual Integrations
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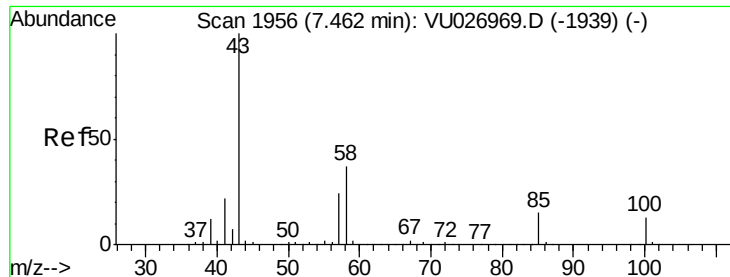
MMDadoda
9/24/2018 4:40:33 PM



#50
Toluene-d8
Concen: 51.326 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 285.262 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ12311-20180914MS

Tot Ion: 43 Resp: 668590

Ion Ratio Lower Upper

43 100

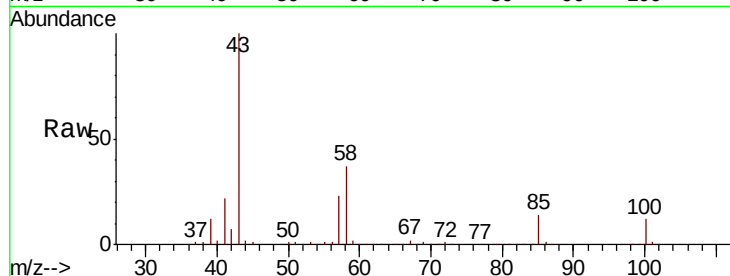
58 36.7 29.8 44.6

Manual Integrations

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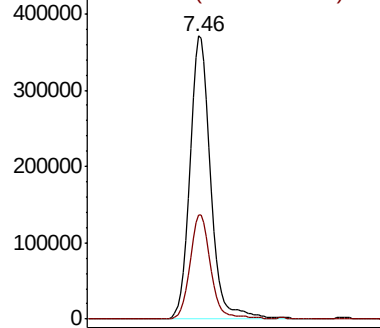
MMDadoda

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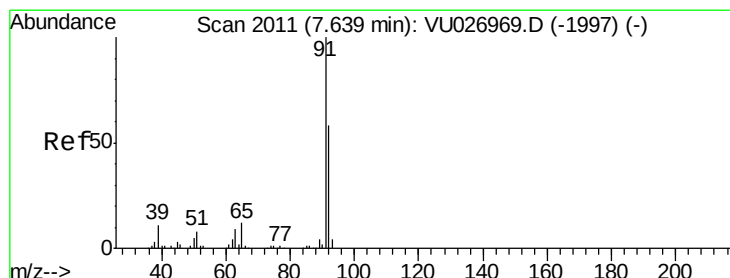
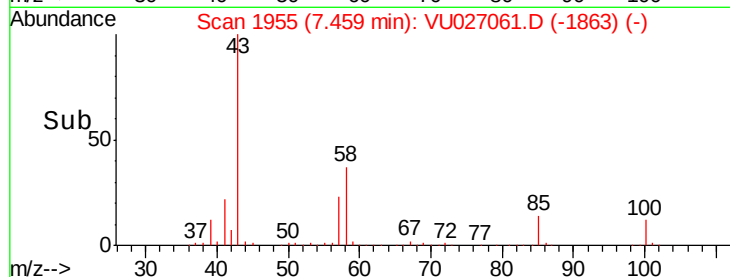


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#52

Toluene

Concen: 53.079 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027061.D

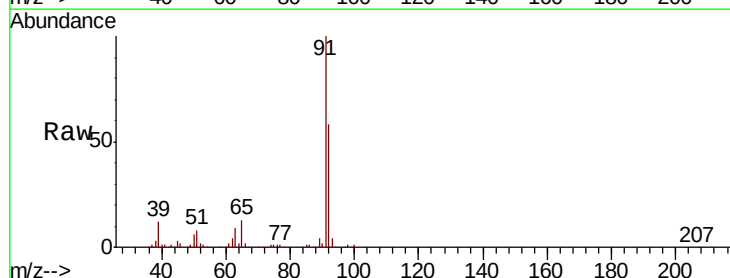
Acq: 23 Sep 2018 09:35

Tgt Ion: 92 Resp: 163261

Ion Ratio Lower Upper

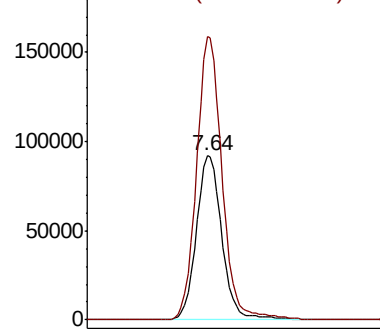
92 100

91 172.4 136.4 204.6

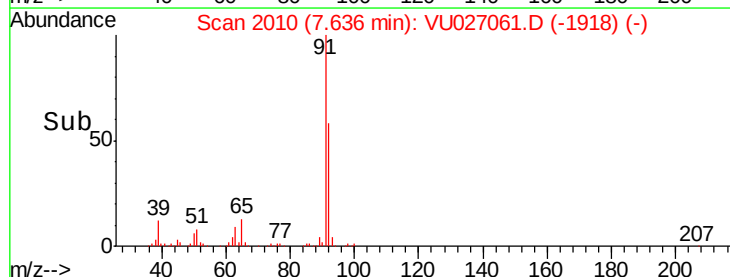


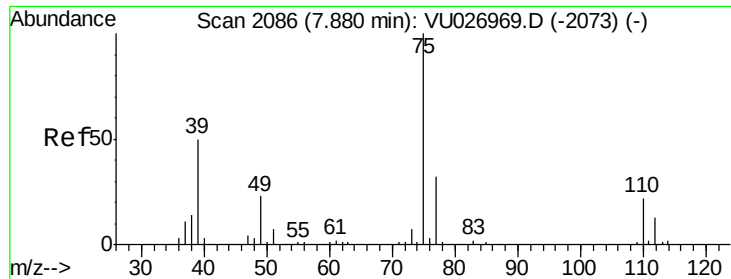
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->





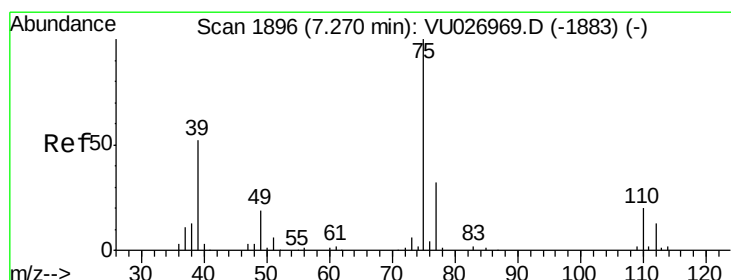
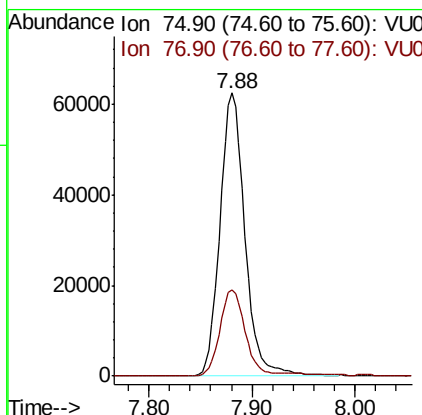
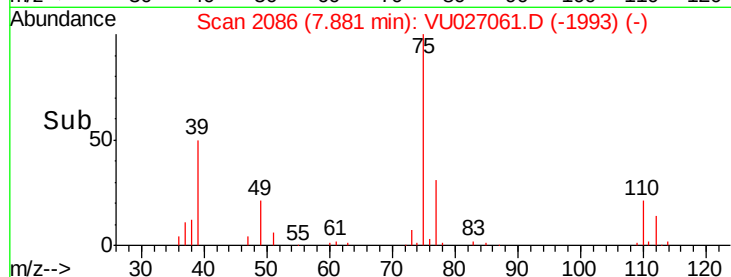
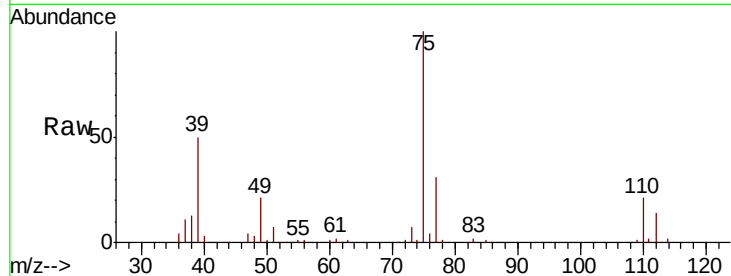
#53
t-1,3-Dichloropropene
Concen: 52.381 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion: 75 Resp: 105084
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9

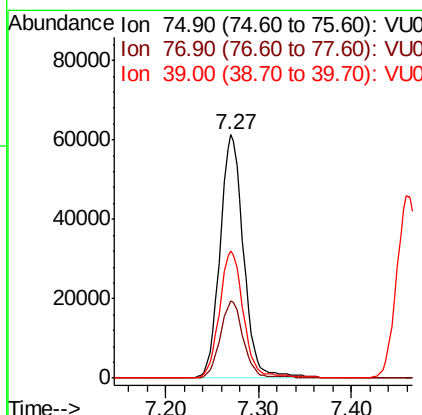
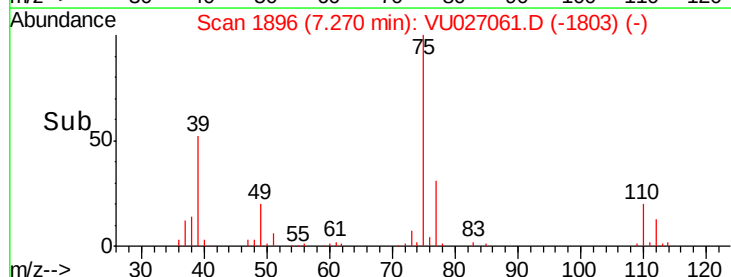
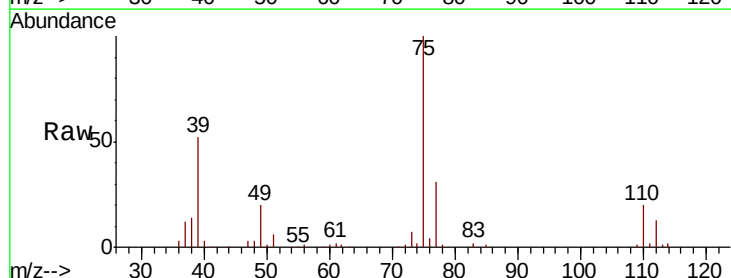
Manual Integrations
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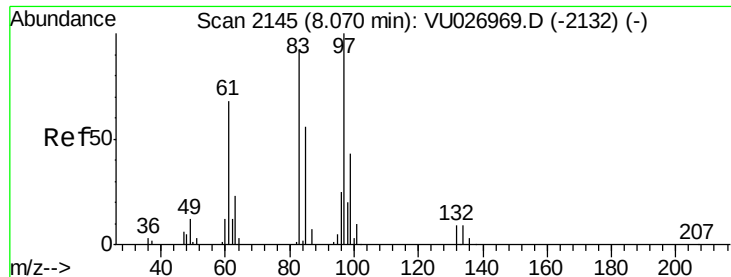
MMDadoda
9/24/2018 4:40:33 PM



#54
cis-1,3-Dichloropropene
Concen: 48.915 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion: 75 Resp: 107898
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 52.4 41.6 62.4





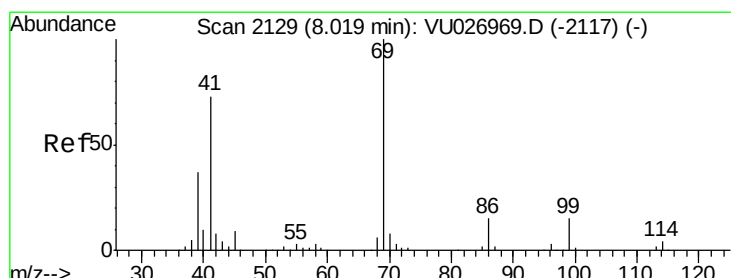
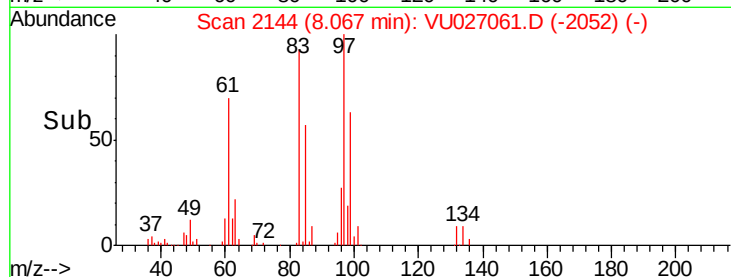
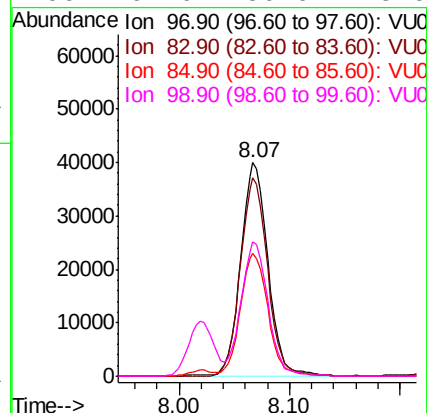
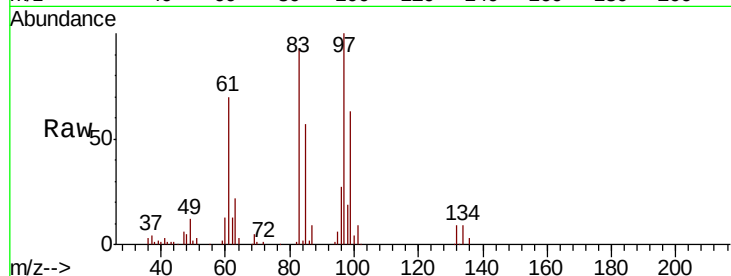
#55
 1,1,2-Trichloroethane
 Concen: 52.523 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion:	97	Resp:	68453
Ion	Ratio	Lower	Upper
97	100		
83	93.1	73.1	109.7
85	57.3	46.7	70.1
99	62.6	50.0	75.0

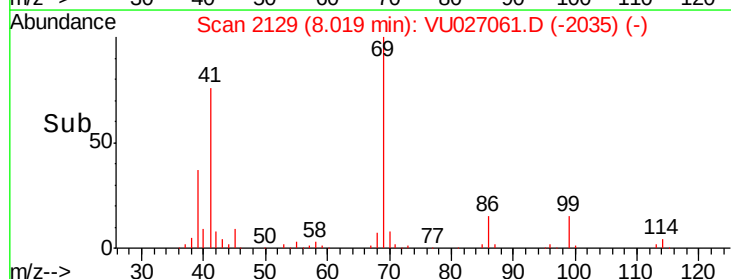
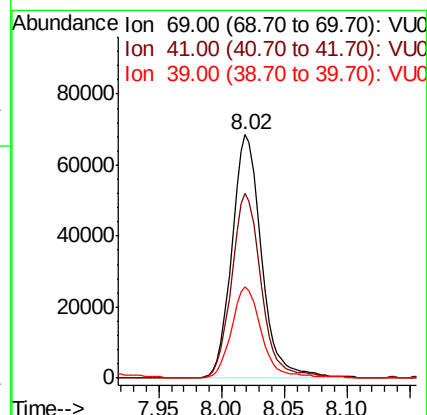
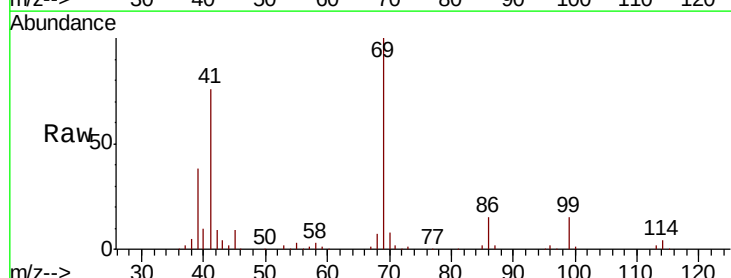
Manual Integrations
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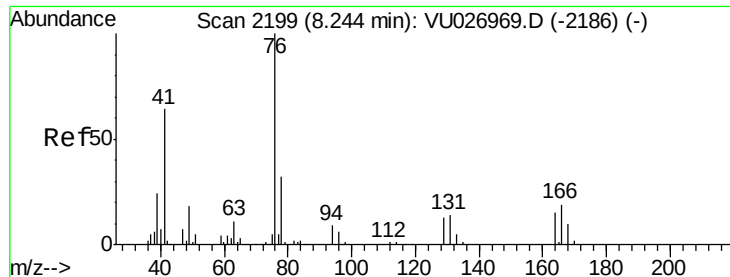
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 9/24/2018 4:40:33 PM



#56
 Ethyl methacrylate
 Concen: 49.802 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion:	69	Resp:	112599
Ion	Ratio	Lower	Upper
69	100		
41	76.7	59.0	88.4
39	38.0	30.2	45.4





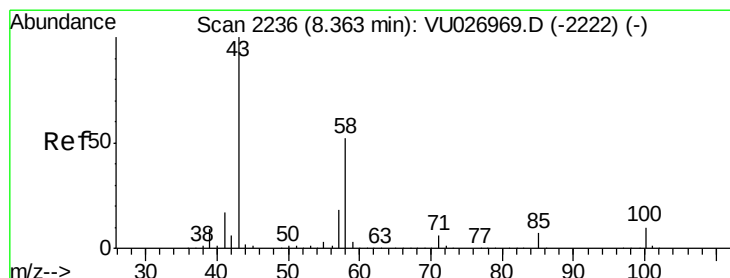
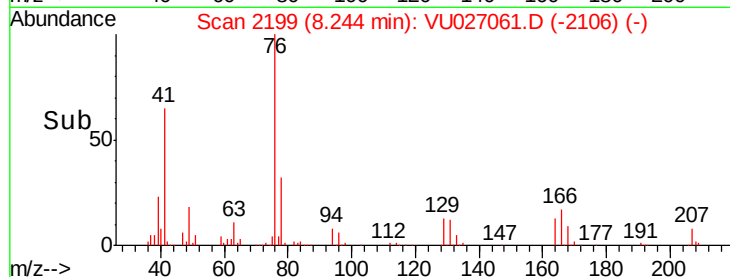
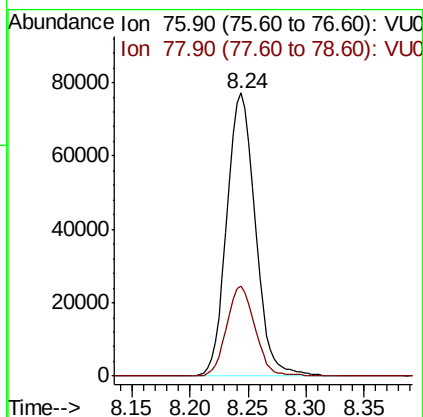
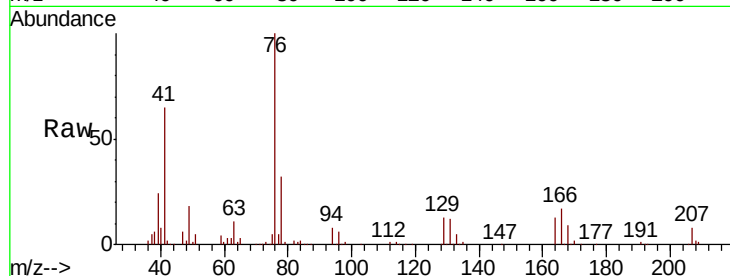
#57
 1,3-Dichloropropane
 Concen: 54.215 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

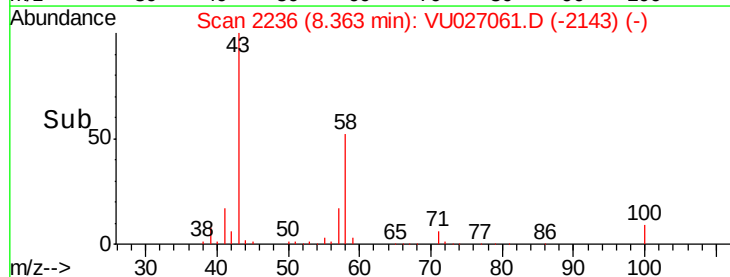
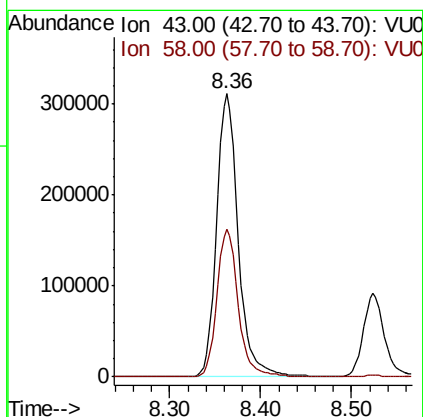
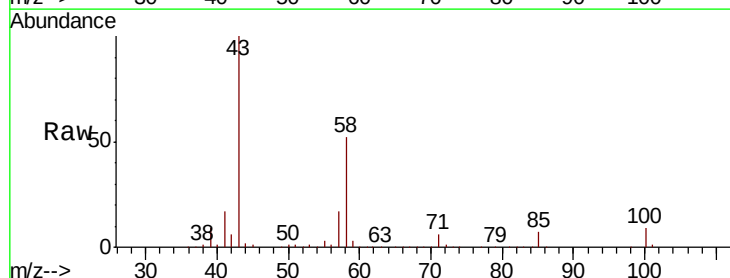
Manual Integrations
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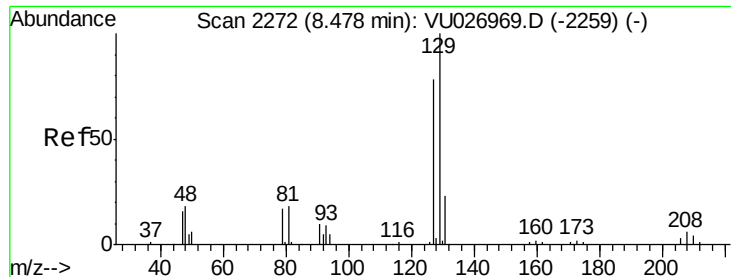
MMDadoda
 9/24/2018 4:40:33 PM



#59
 2-Hexanone
 Concen: 279.512 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.1	78.2





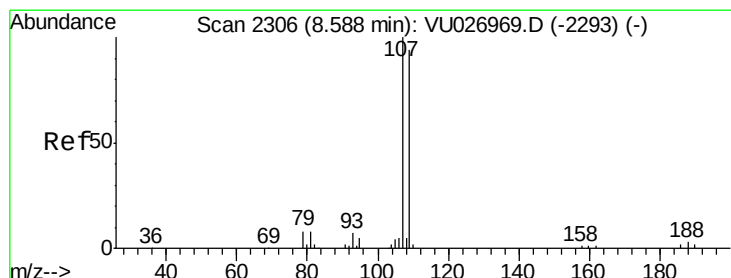
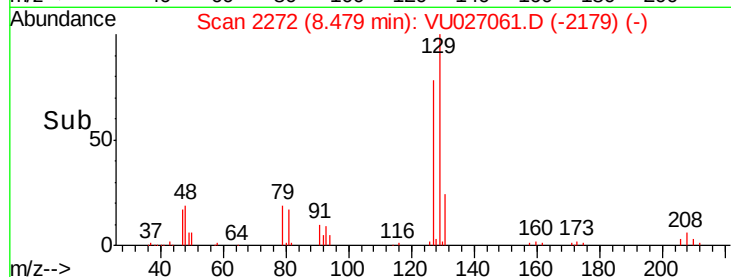
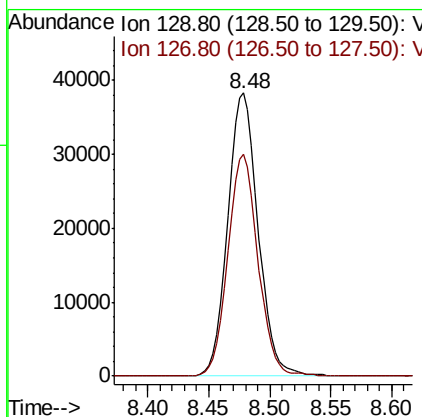
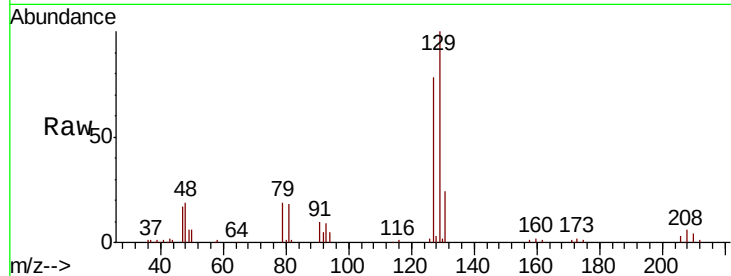
#60
 Dibromochloromethane
 Concen: 52.180 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ12311-20180914MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.1	114.5

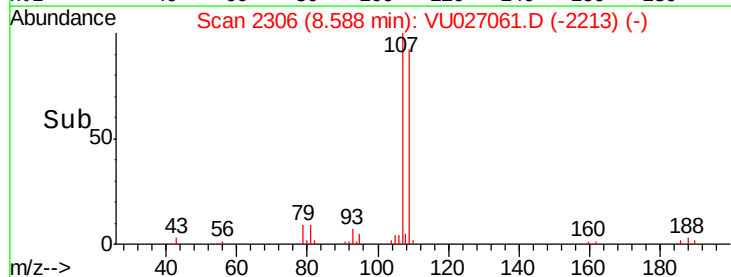
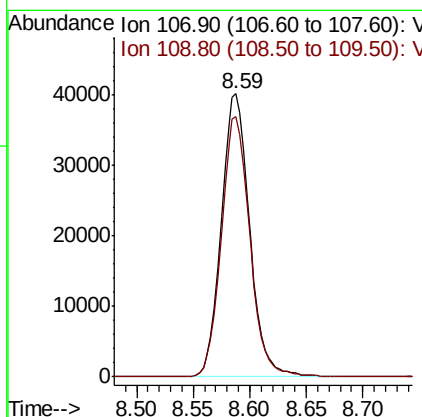
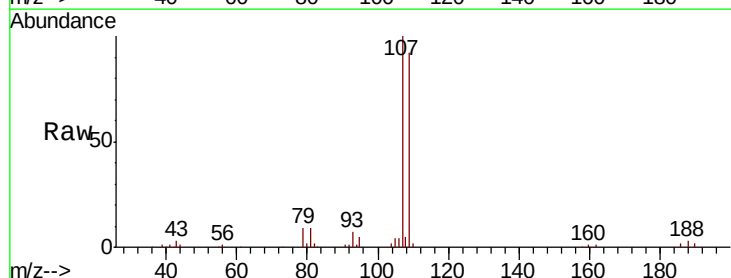
Manual Integrations
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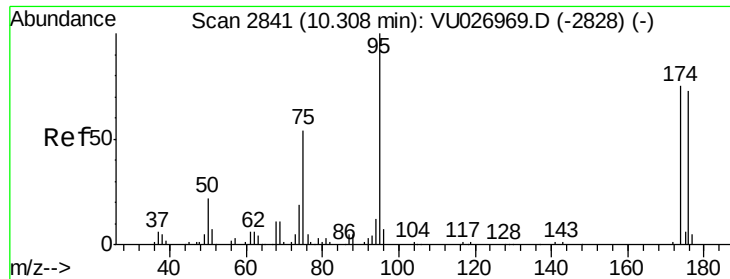
MMDadoda
 9/24/2018 4:40:33 PM



#61
 1,2-Dibromoethane
 Concen: 51.668 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.0	112.6





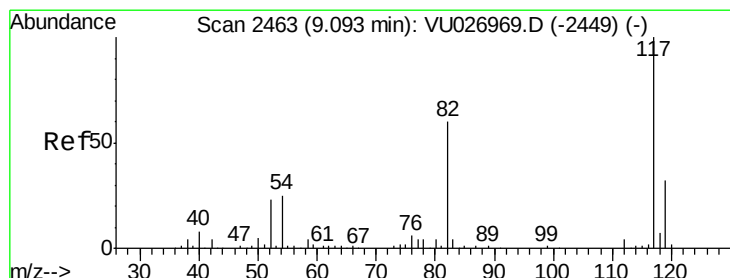
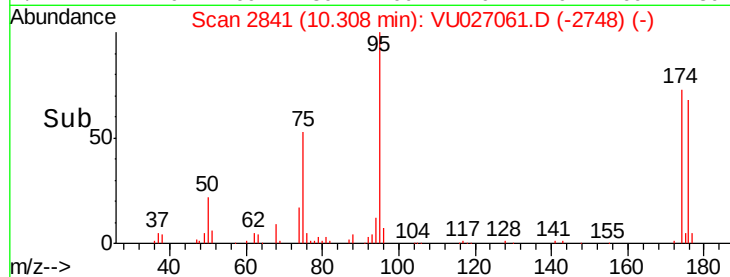
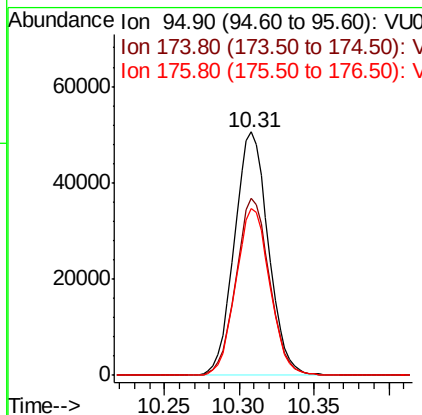
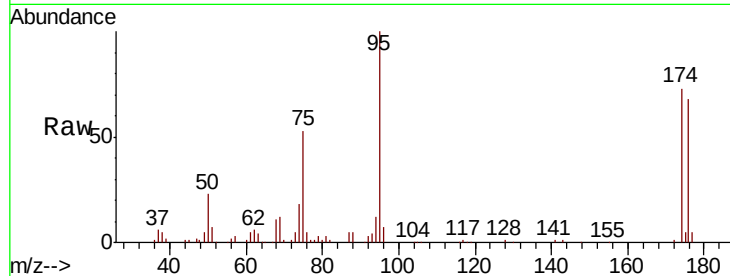
#62
4-Bromofluorobenzene
Concen: 53.234 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ12311-20180914MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	79807		
174	72.3	0.0	150.2	
176	68.7	0.0	145.2	

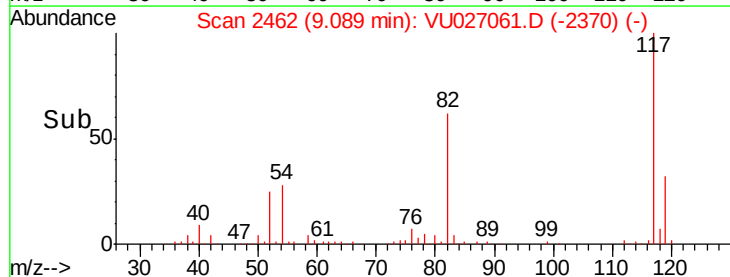
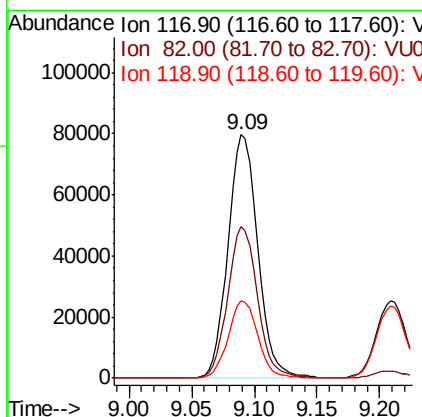
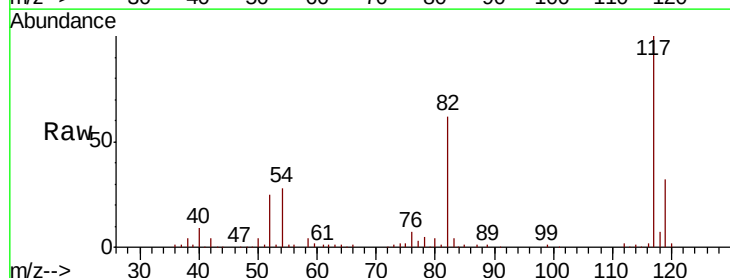
Manual Integrations
APPROVED

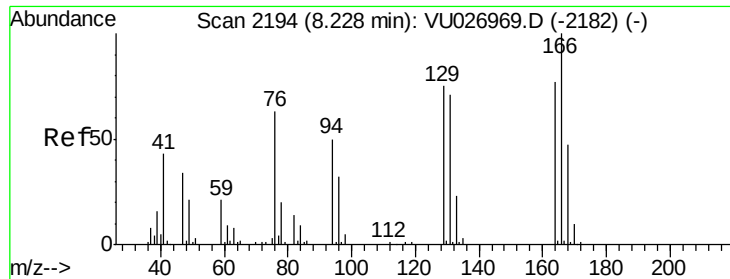
MMDadoda
9/24/2018 4:40:33 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	131783		
82	62.0	48.0	72.0	
119	31.9	25.8	38.8	





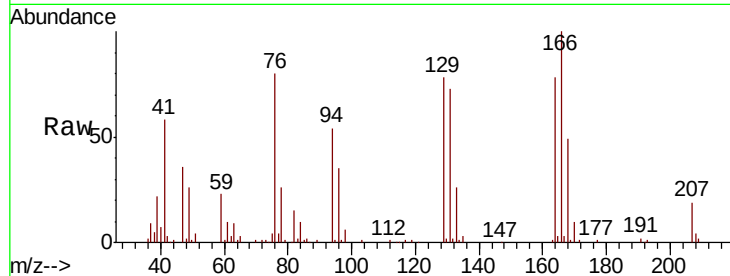
#64
Tetrachloroethene
Concen: 44.393 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ12311-20180914MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	104.4	156.6
129	100.2	78.7	118.1
131	93.5	73.9	110.9

Manual Integrations
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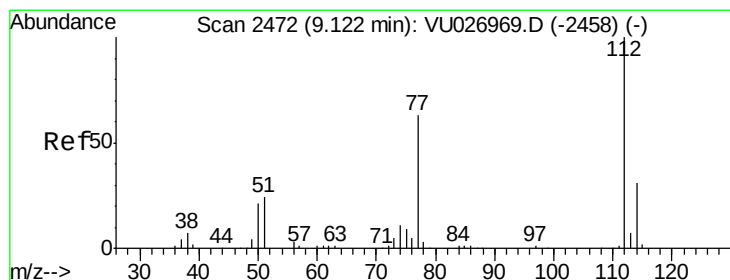
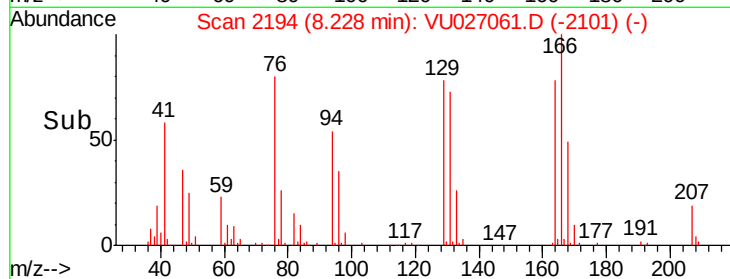
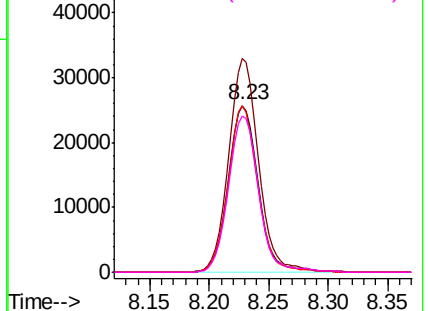
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

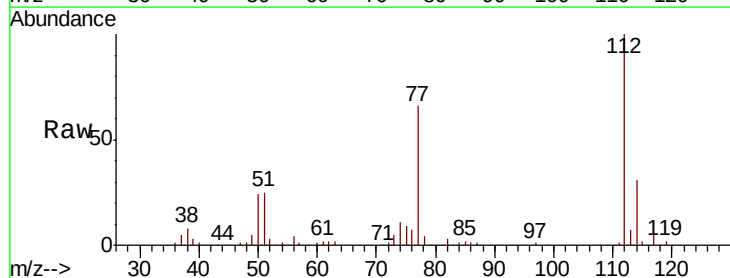
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 47.787 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

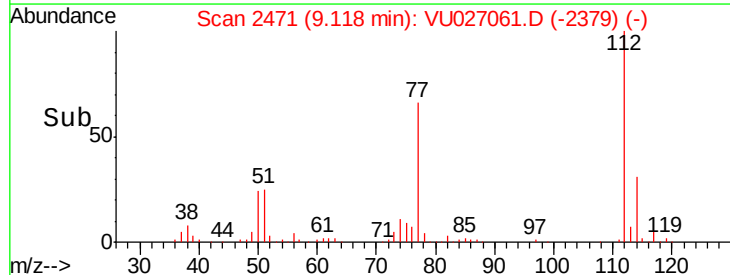
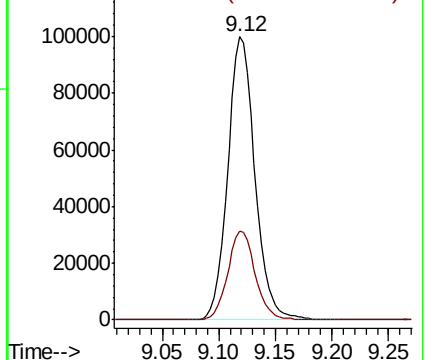
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

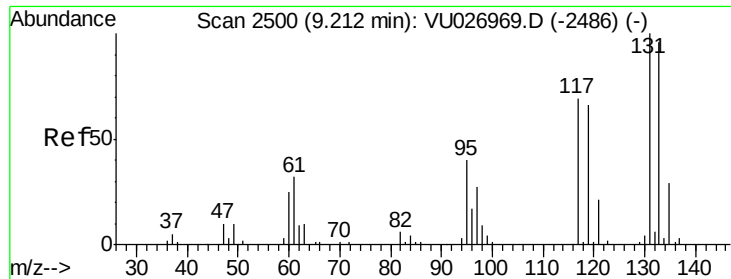


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





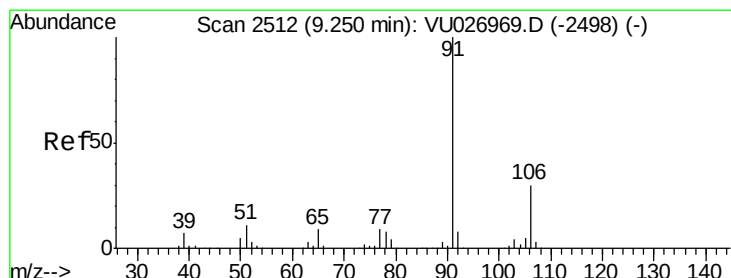
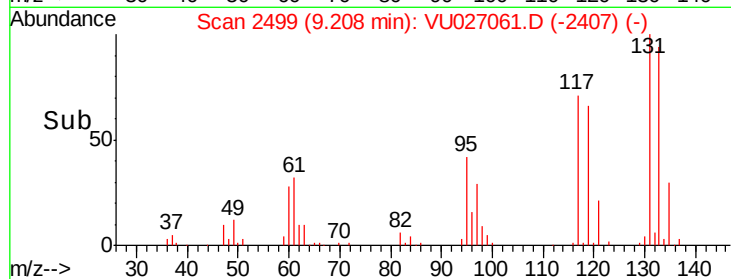
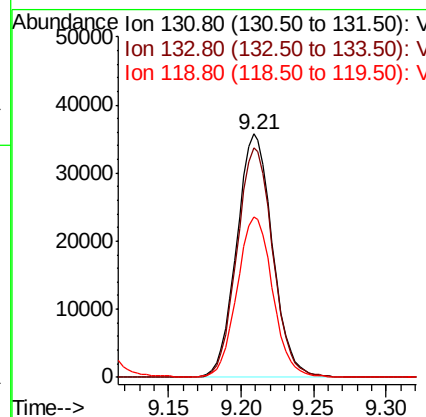
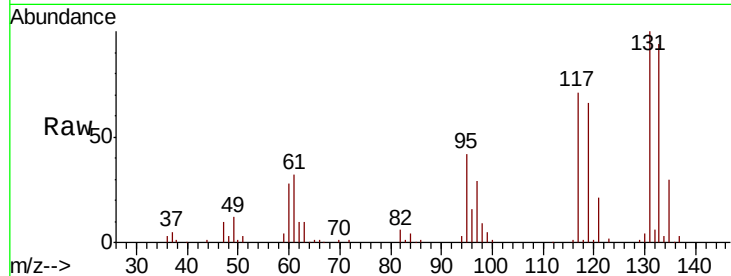
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.004 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.0	144.2
119	65.5	33.4	100.1

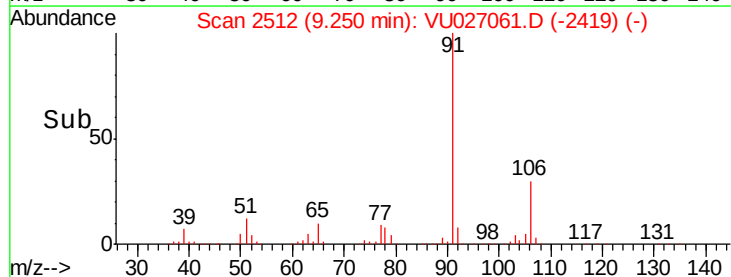
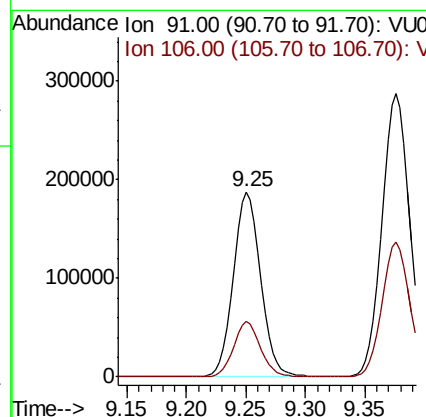
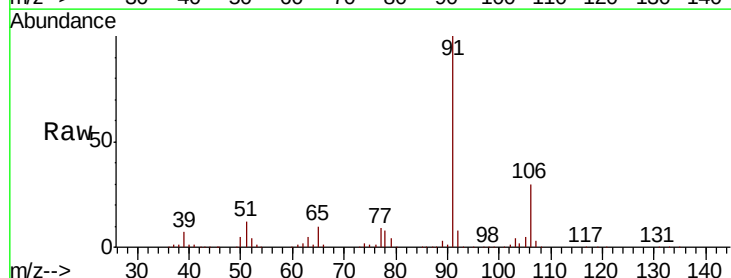
Manual Integrations
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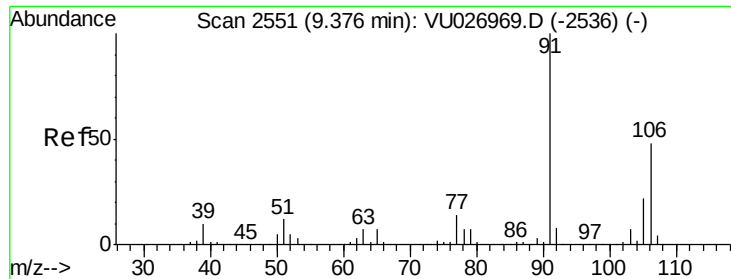
MMDadoda
 9/24/2018 4:40:33 PM



#67
 Ethyl Benzene
 Concen: 52.006 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.8





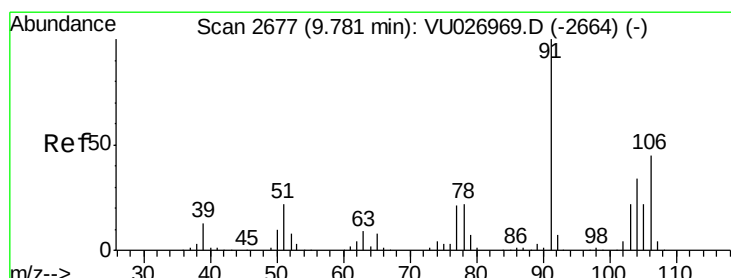
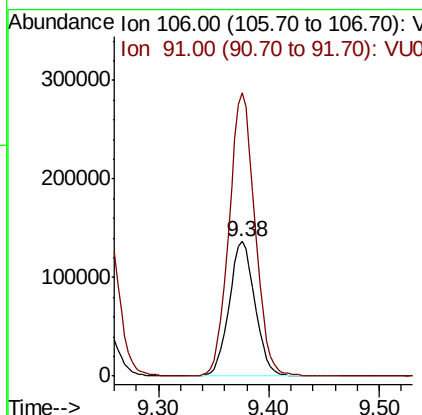
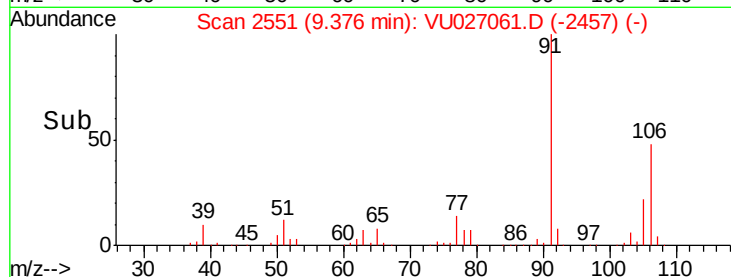
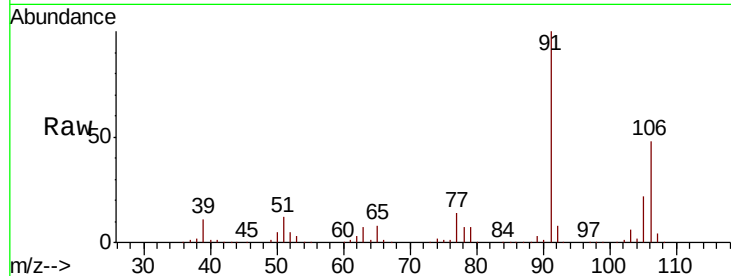
#68
m/p-Xylenes
Concen: 95.790 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion:106 Resp: 222754
Ion Ratio Lower Upper
106 100
91 209.6 166.5 249.7

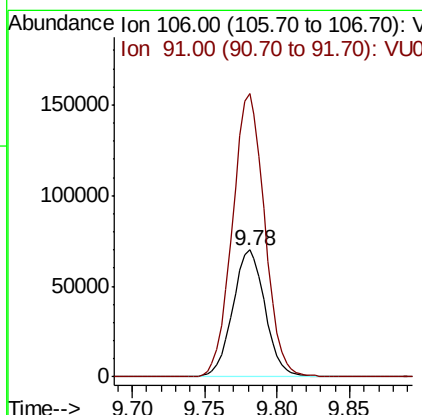
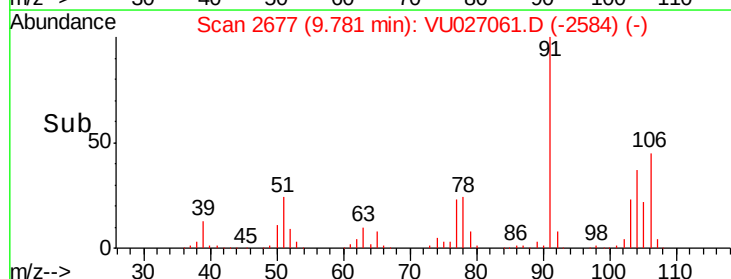
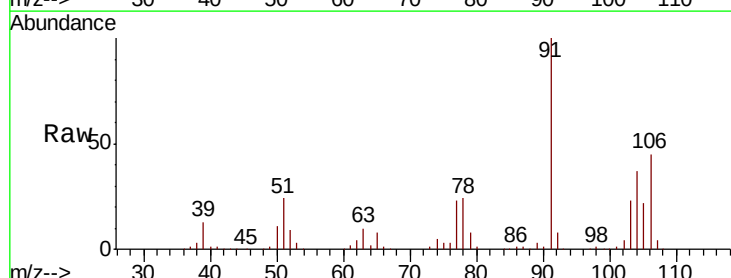
Manual Integrations
APPROVED

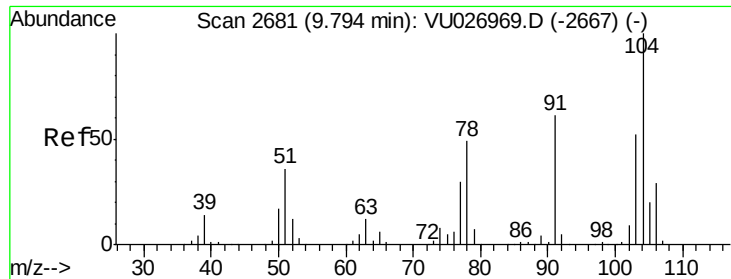
MMDadoda
9/24/2018 4:40:33 PM



#69
o-Xylene
Concen: 53.166 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion:106 Resp: 108237
Ion Ratio Lower Upper
106 100
91 222.7 110.2 330.6





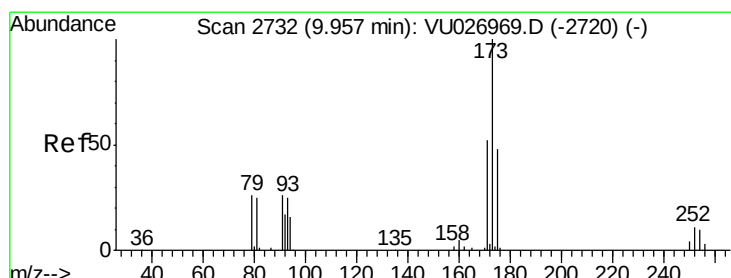
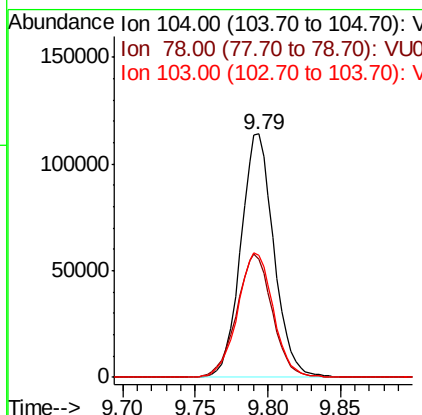
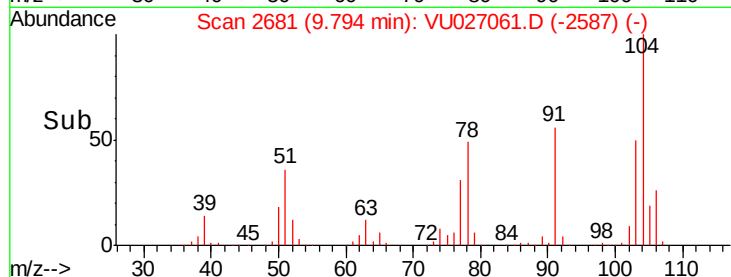
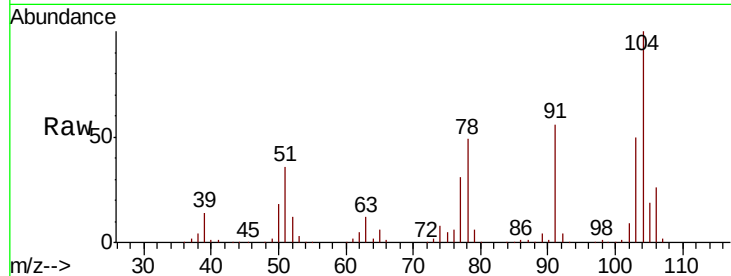
#70
Stvrene
Concen: 47.603 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.0	64.4
103	55.4	44.1	66.1

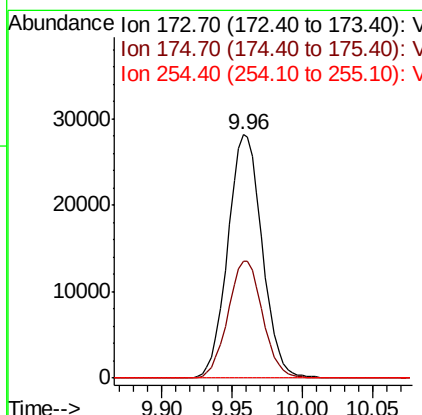
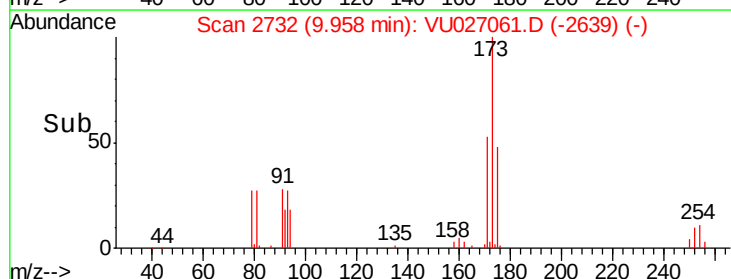
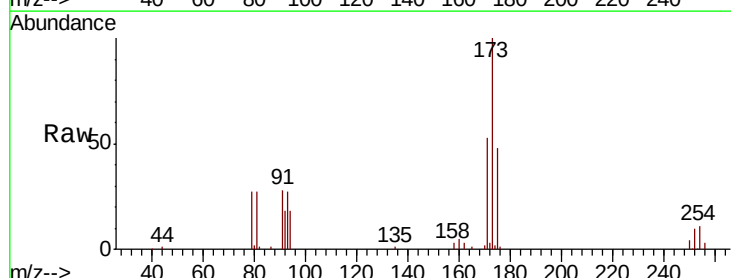
Manual Integrations
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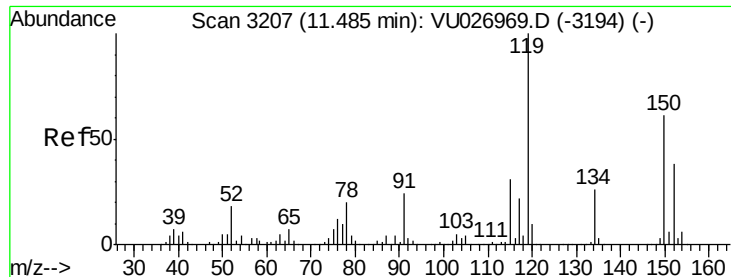
MMDadoda
9/24/2018 4:40:33 PM



#71
Bromoform
Concen: 51.536 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:152 Resp: 71214

Ion Ratio Lower Upper

152 100

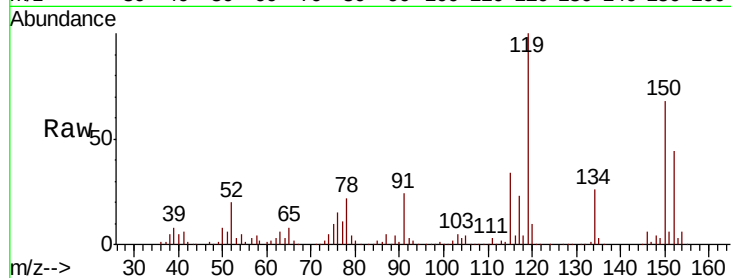
115 87.4 44.9 134.5

150 174.0 0.0 355.8

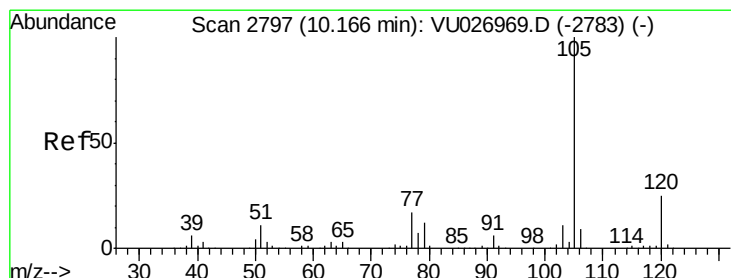
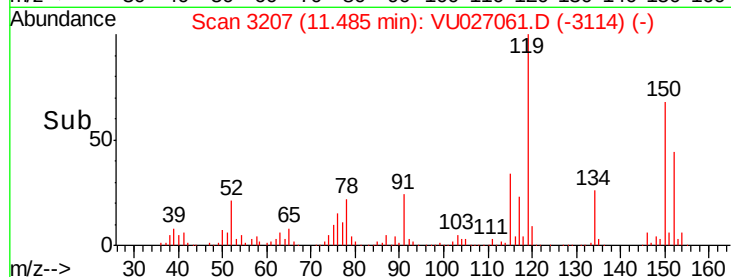
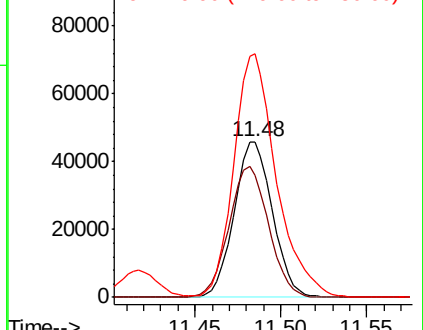
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.962 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027061.D

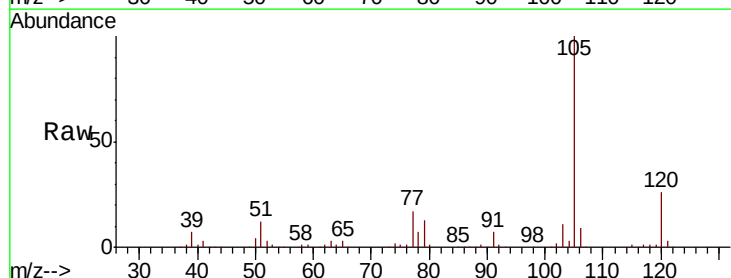
Acq: 23 Sep 2018 09:35

Tgt Ion:105 Resp: 286904

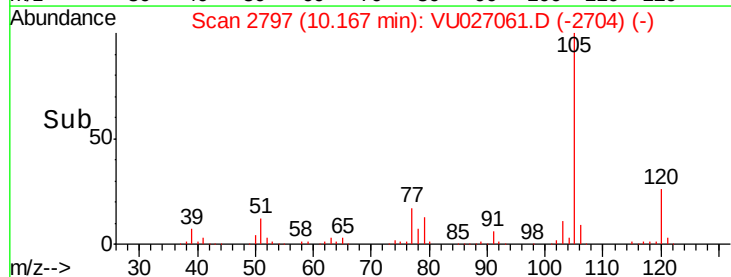
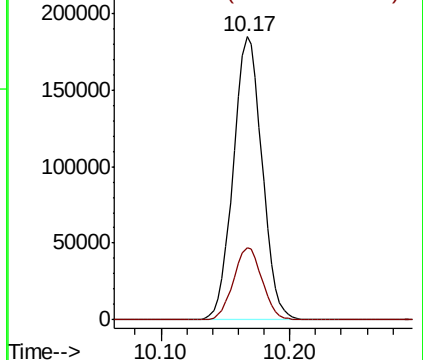
Ion Ratio Lower Upper

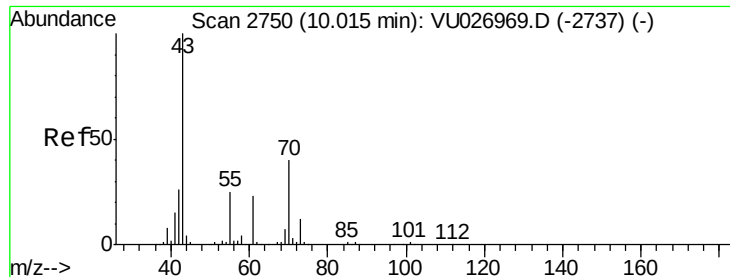
105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.721 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

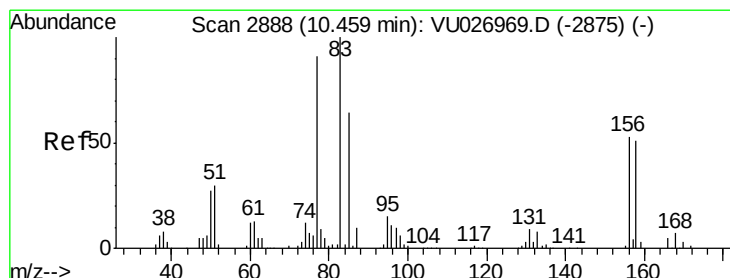
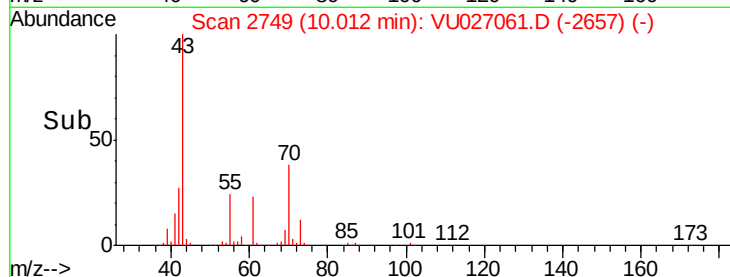
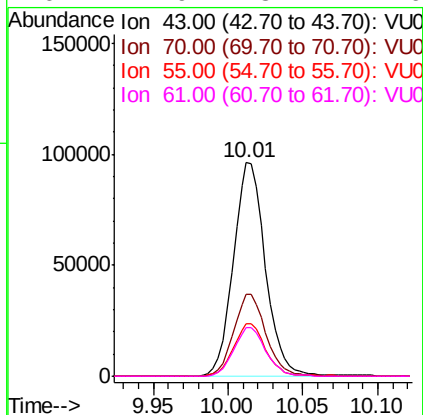
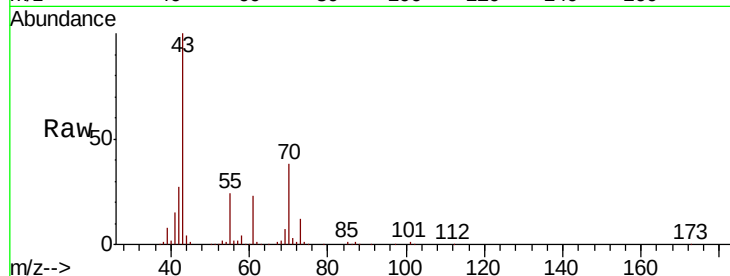
ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion:	43	Resp:	143367
Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.8	47.8
55	24.6	19.9	29.9
61	22.9	18.4	27.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 48.890 ug/l

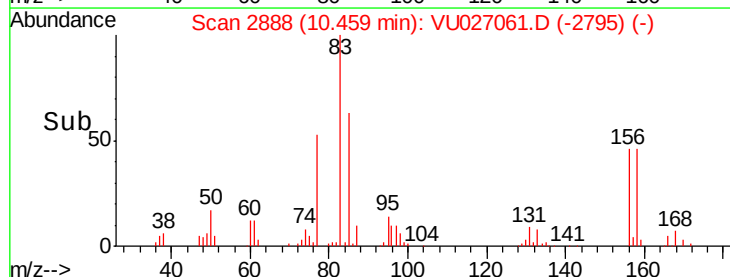
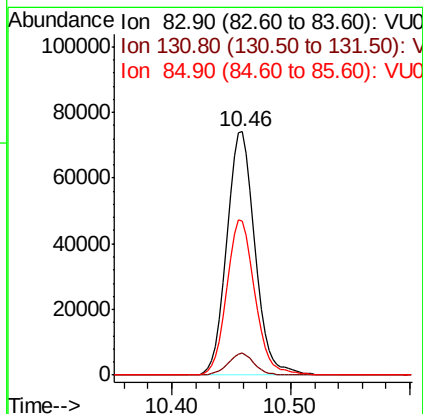
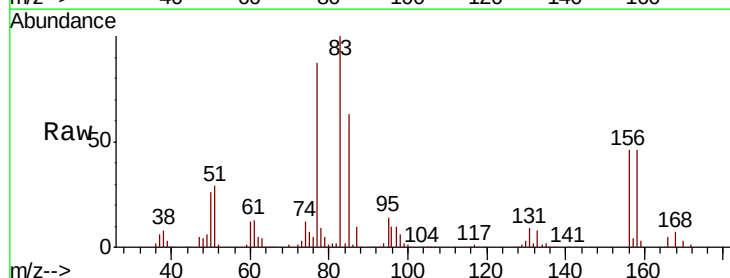
RT: 10.46 min Scan# 2888

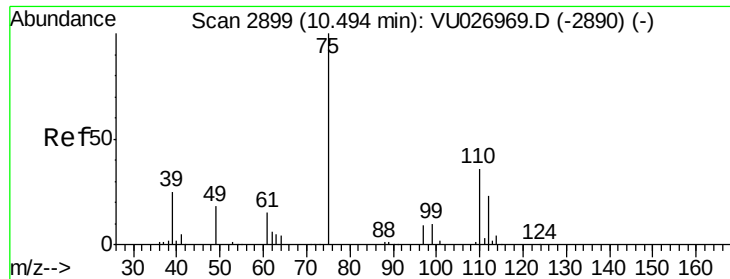
Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Tgt Ion:	83	Resp:	121770
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.0	31.9	95.7





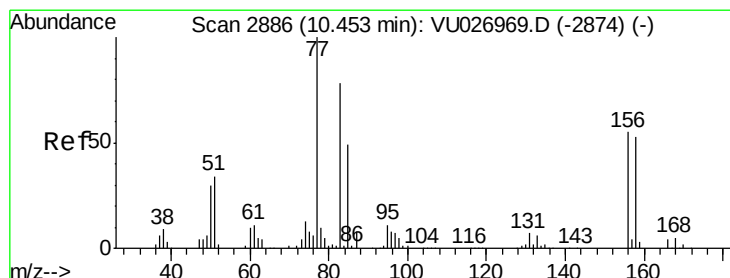
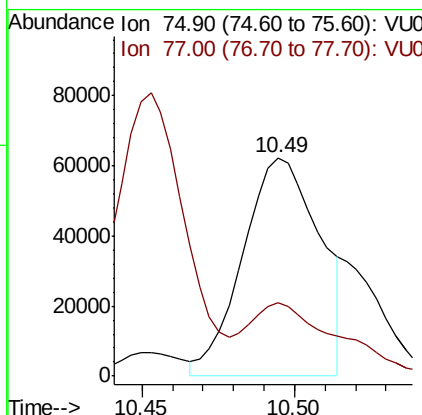
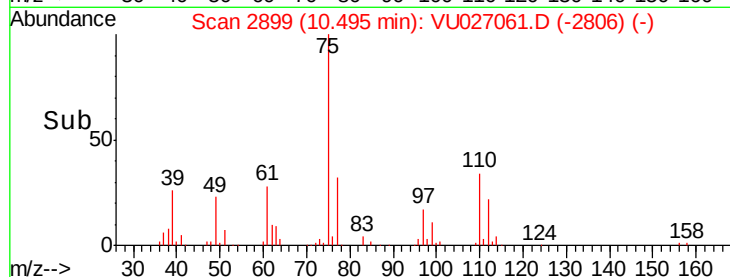
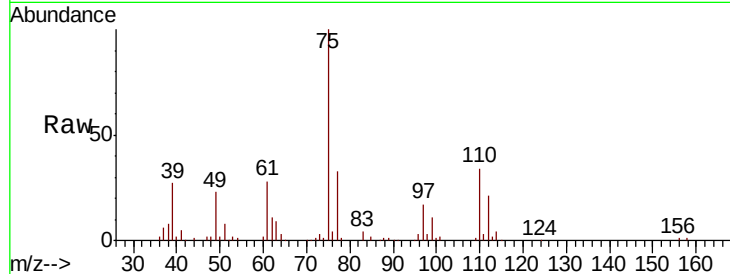
#76
 1,2,3-Trichloropropane
 Concen: 50.467 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion: 75 Resp: 109183
 Ion Ratio Lower Upper
 75 100
 77 40.0 20.9 62.8

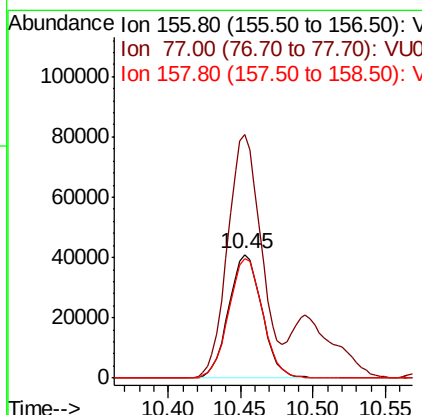
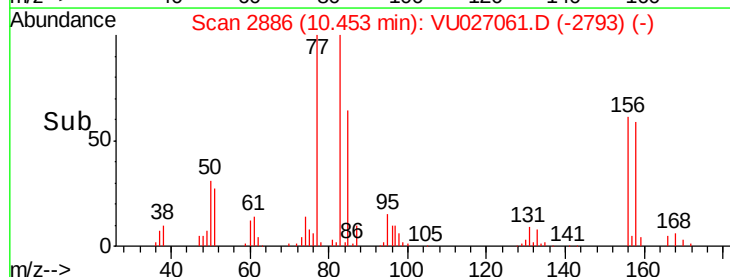
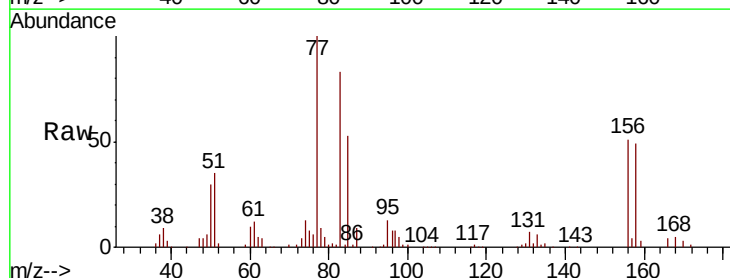
Manual Integrations
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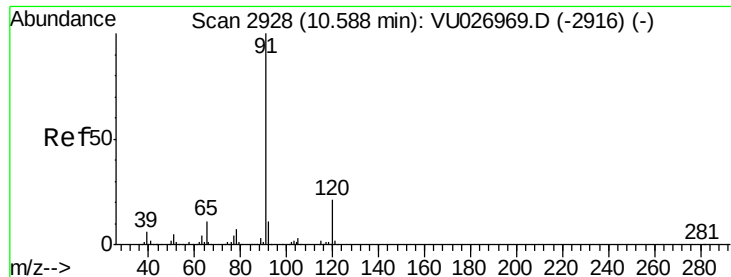
MMDadoda
 9/24/2018 4:40:33 PM



#77
 Bromobenzene
 Concen: 49.497 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion: 156 Resp: 65523
 Ion Ratio Lower Upper
 156 100
 77 198.1 92.3 276.9
 158 97.7 48.1 144.3





#78

n-propylbenzene

Concen: 53.395 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 91 Resp: 342251

Ion Ratio Lower Upper

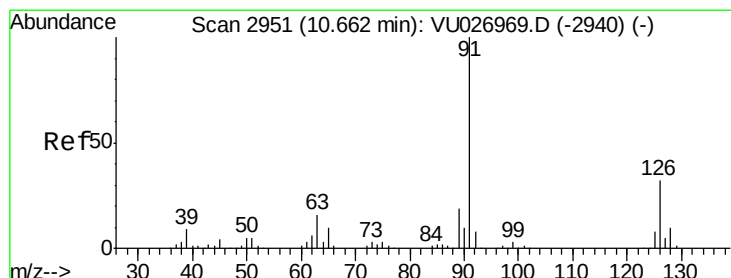
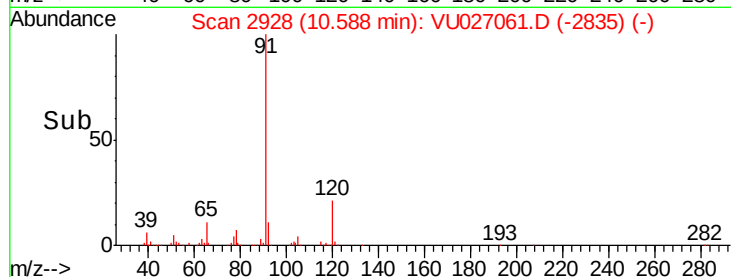
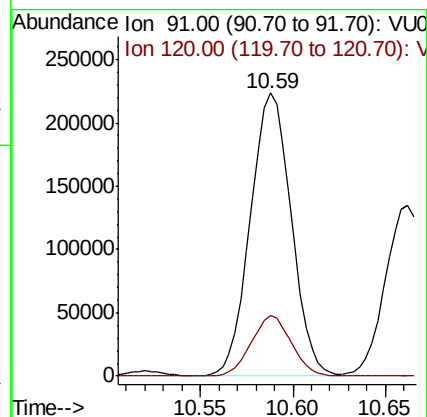
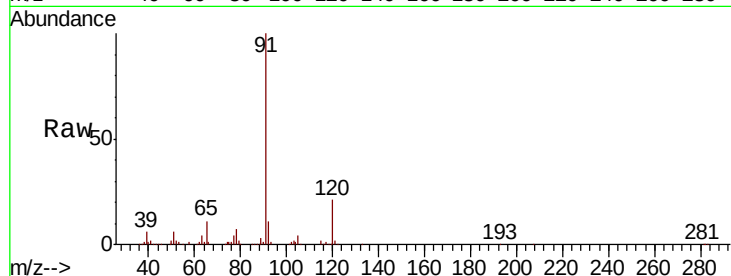
91 100

120 20.9 10.6 31.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 52.142 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027061.D

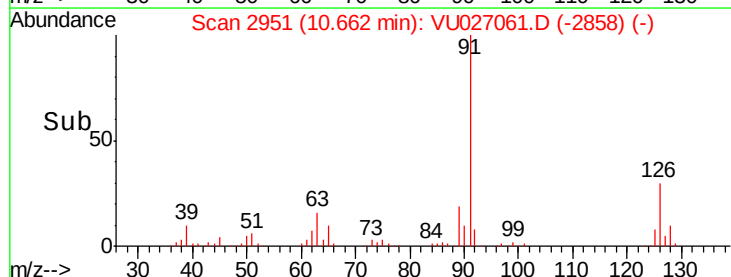
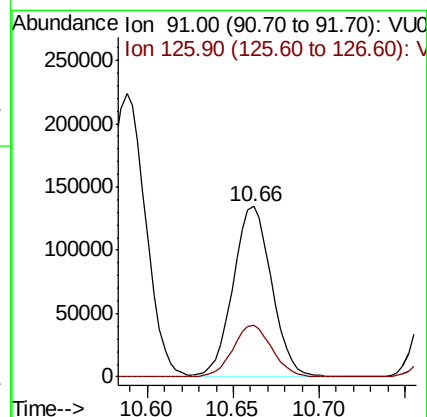
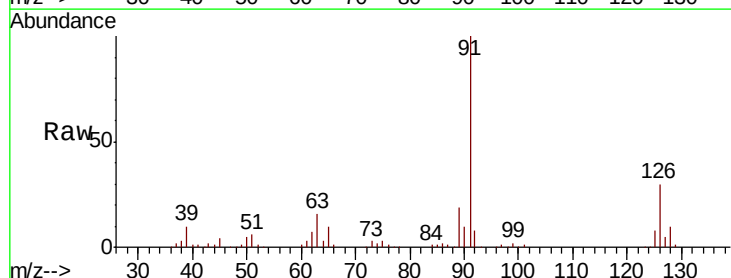
Acq: 23 Sep 2018 09:35

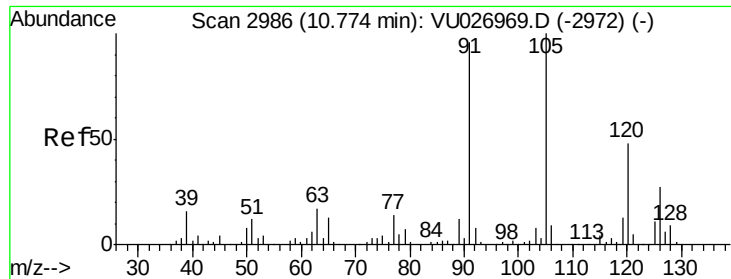
Tgt Ion: 91 Resp: 209933

Ion Ratio Lower Upper

91 100

126 30.7 15.8 47.3





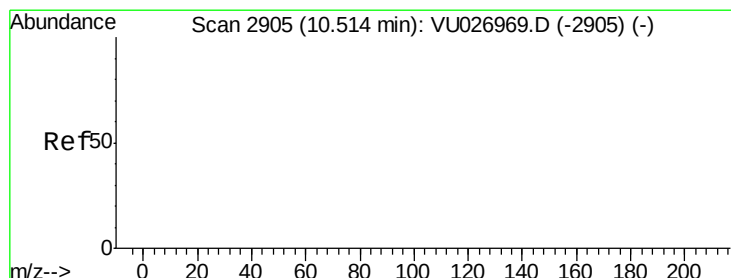
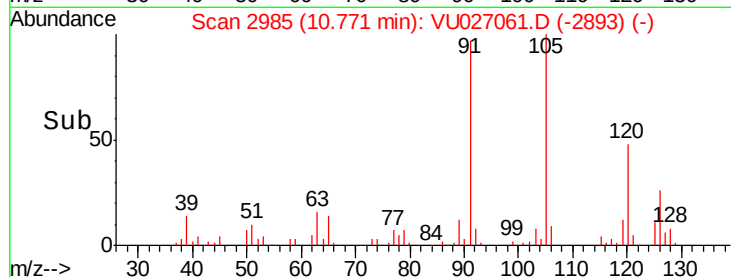
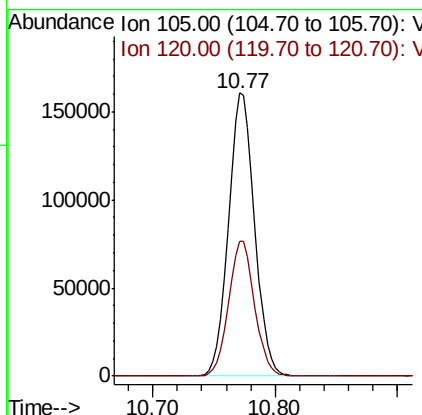
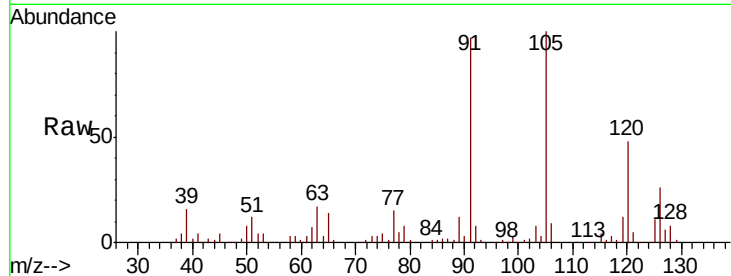
#80
 1,3,5-Trimethylbenzene
 Concen: 53.757 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion:105 Resp: 240387
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7

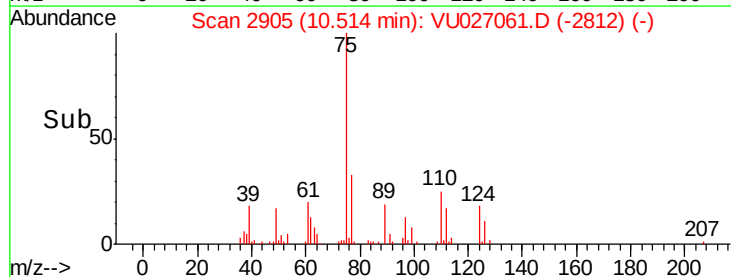
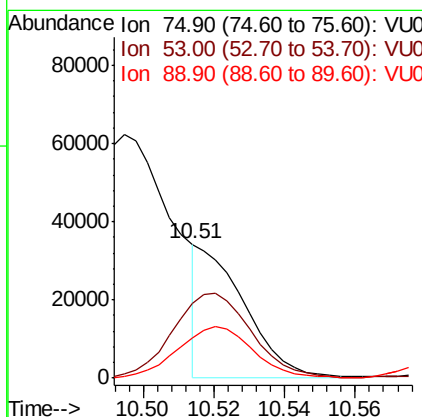
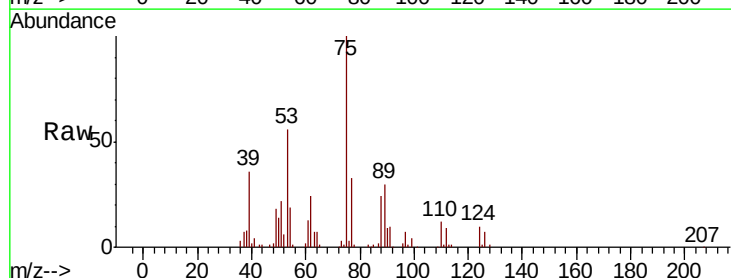
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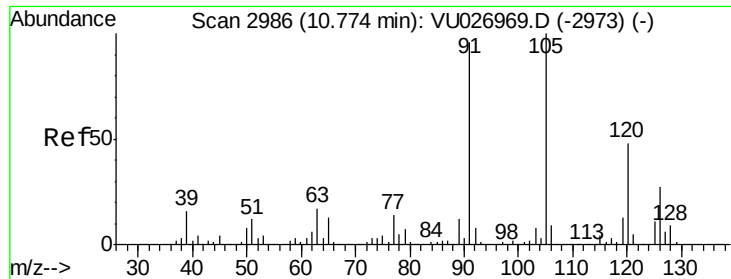
MMDadoda
 9/24/2018 4:40:33 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.098 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion: 75 Resp: 30488
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 52.889 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ123I1-20180914MS

Tot Ion: 91 Resp: 238764

Ion Ratio Lower Upper

91 100

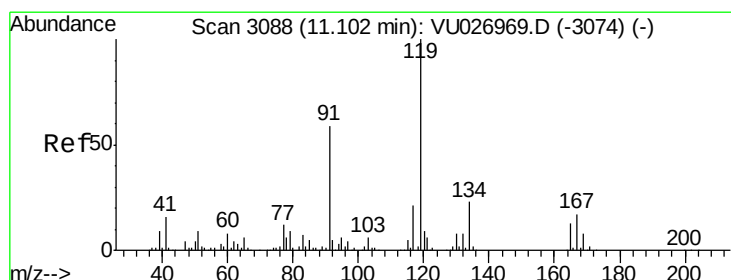
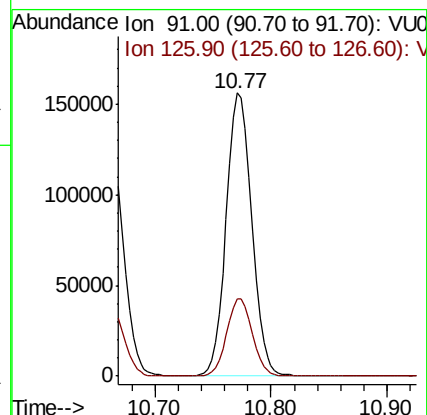
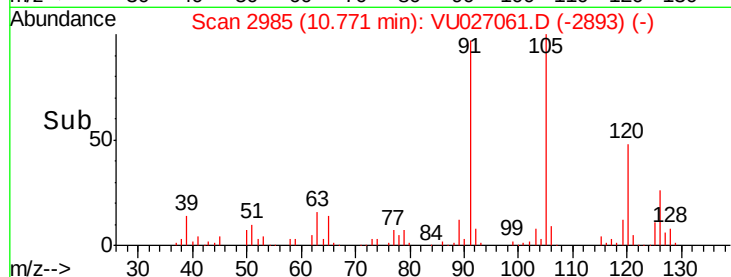
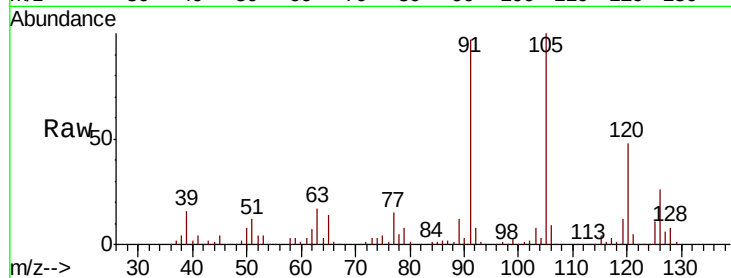
126 27.3 14.1 42.2

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.642 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027061.D

Acq: 23 Sep 2018 09:35

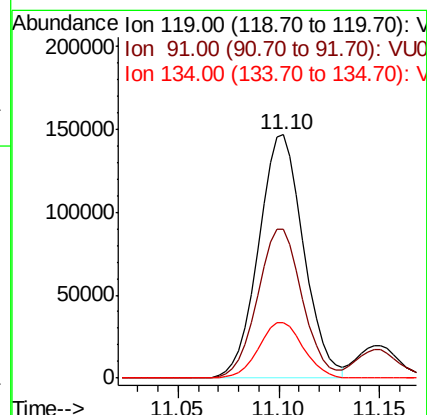
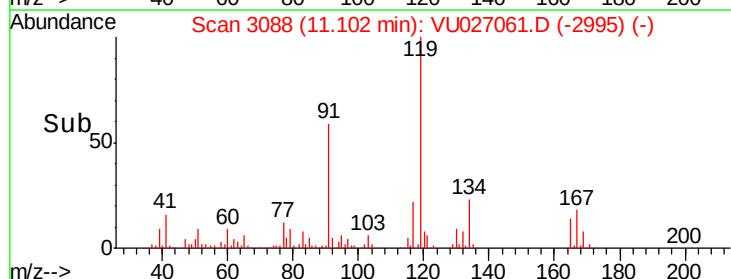
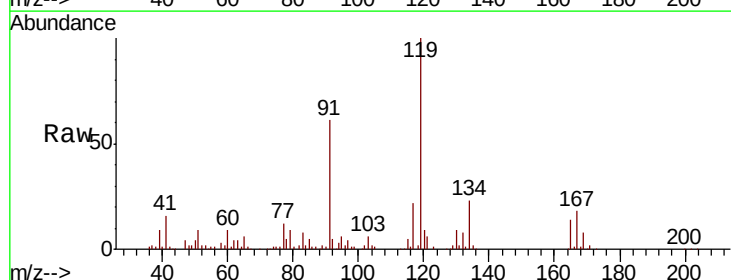
Tgt Ion: 119 Resp: 228312

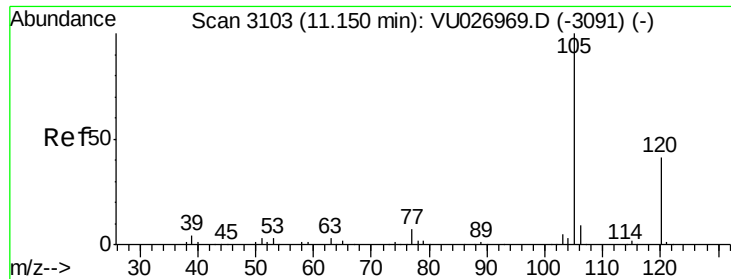
Ion Ratio Lower Upper

119 100

91 60.9 29.8 89.4

134 22.8 11.5 34.4





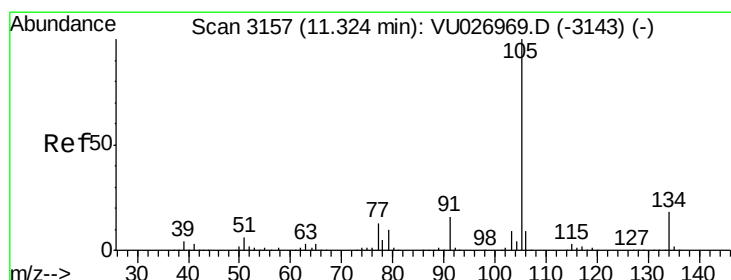
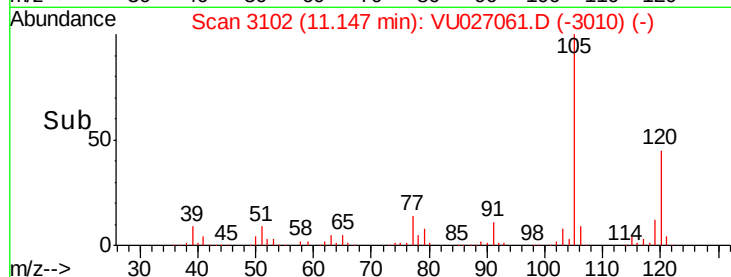
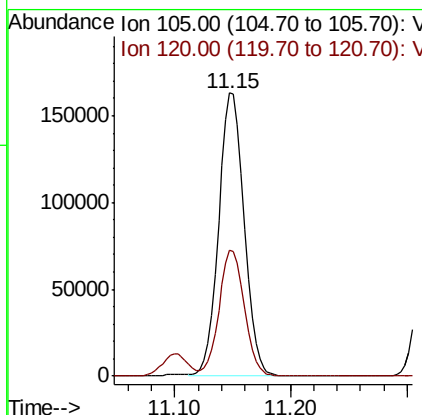
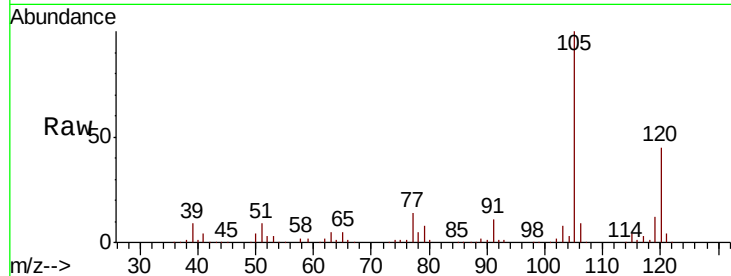
#84
1,2,4-Trimethylbenzene
Concen: 54.701 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.2

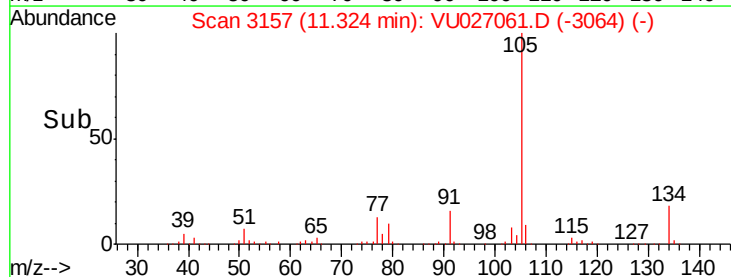
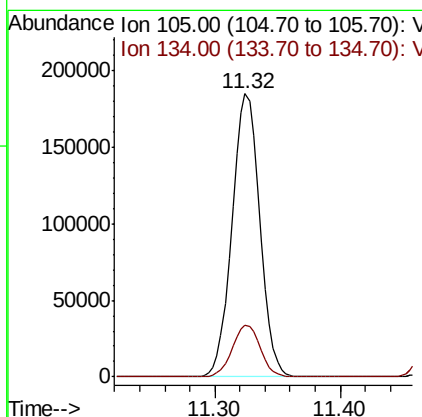
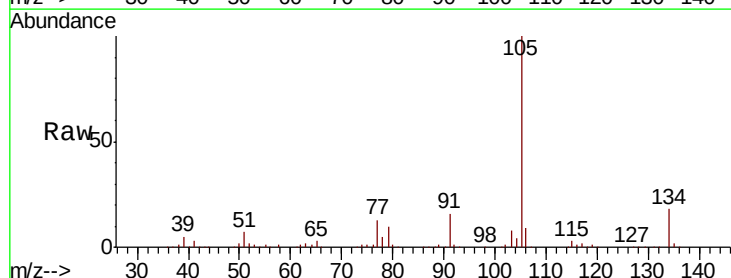
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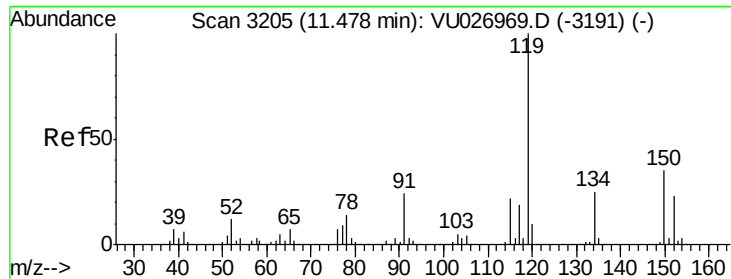
MMDadoda
9/24/2018 4:40:33 PM



#85
sec-Butylbenzene
Concen: 52.646 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.4	28.2





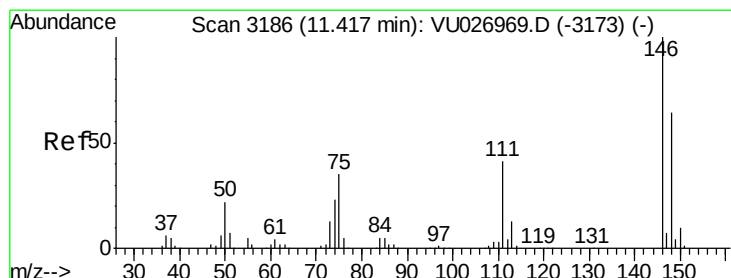
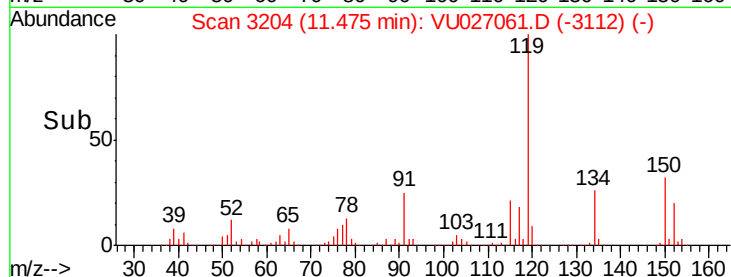
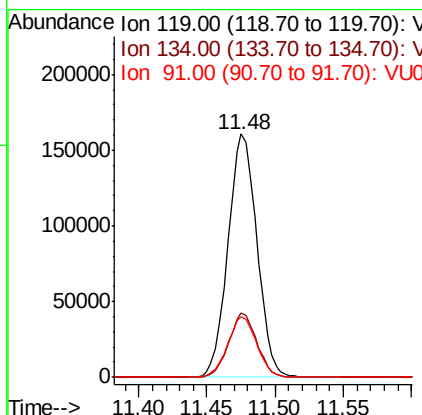
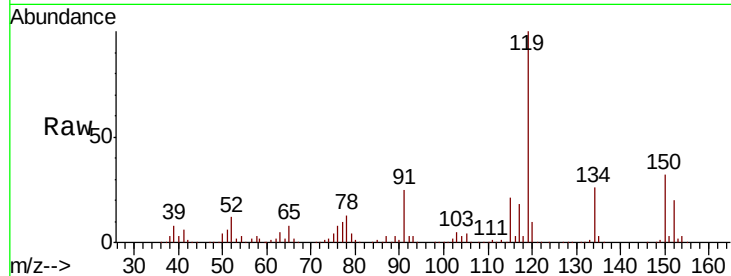
#86
 p-Isopropyltoluene
 Concen: 46.791 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	25.1	12.3	36.8

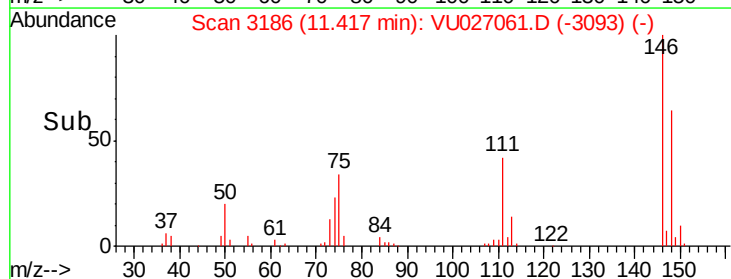
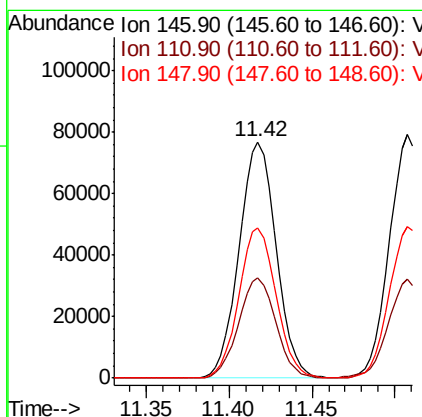
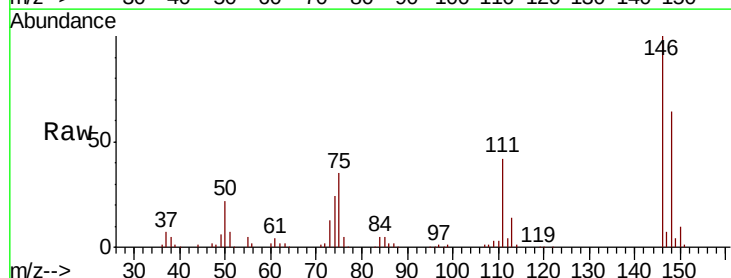
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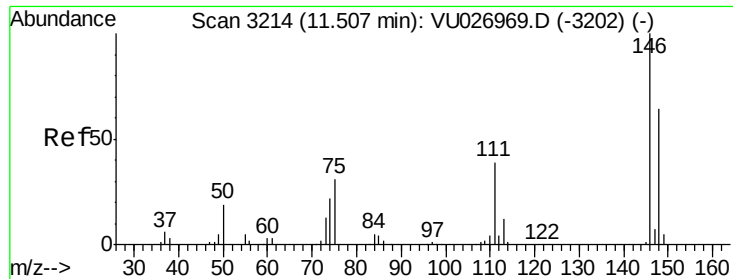
MMDadoda
 9/24/2018 4:40:33 PM



#87
 1,3-Dichlorobenzene
 Concen: 48.551 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	63.5	32.0	96.2





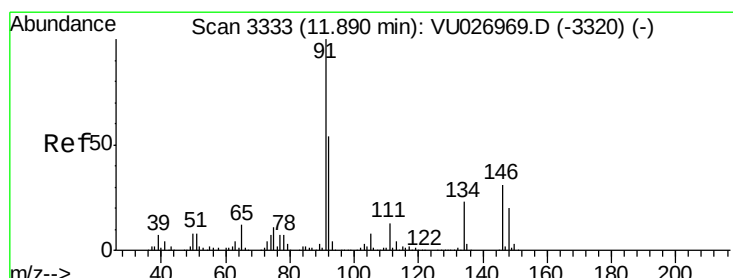
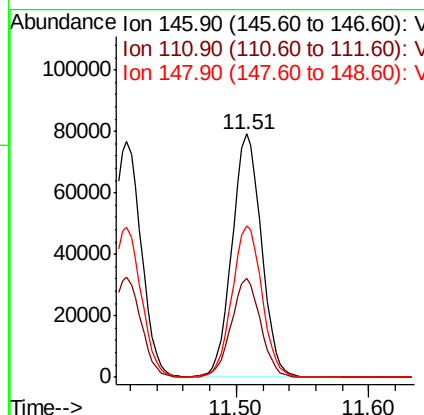
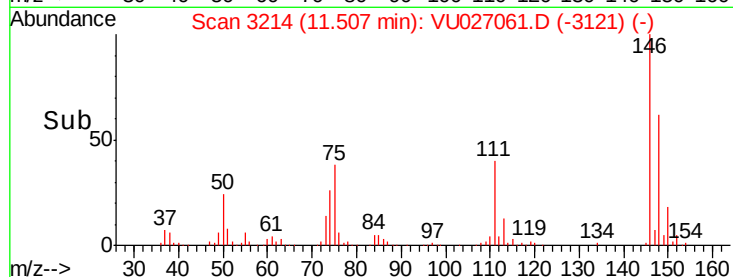
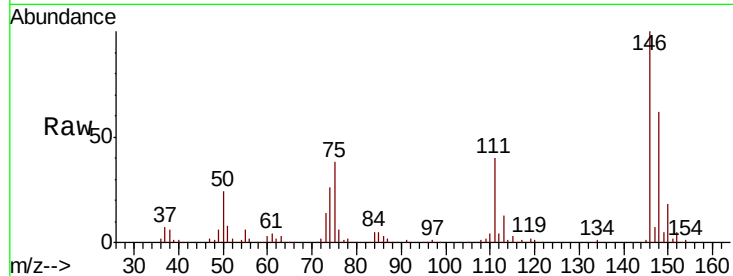
#88
 1,4-Dichlorobenzene
 Concen: 45.494 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion:	146	Resp:	122143
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.9
148	63.2	31.9	95.9

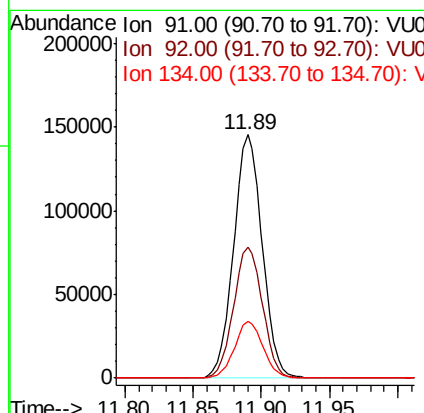
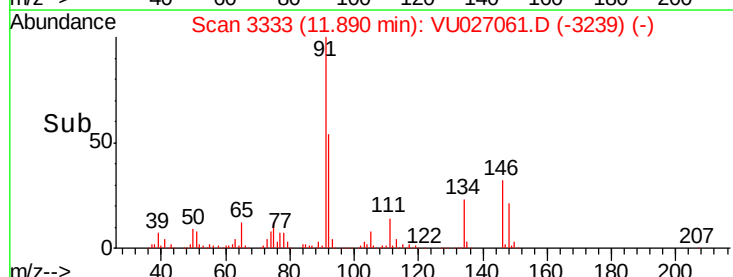
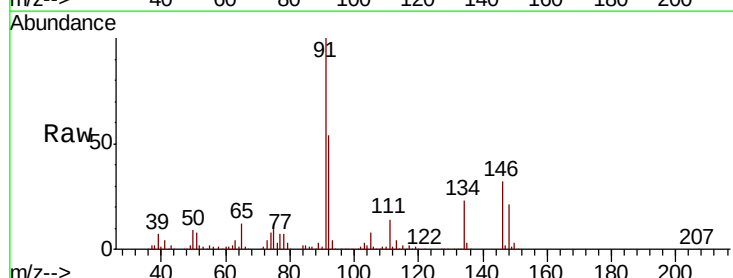
Manual Integrations
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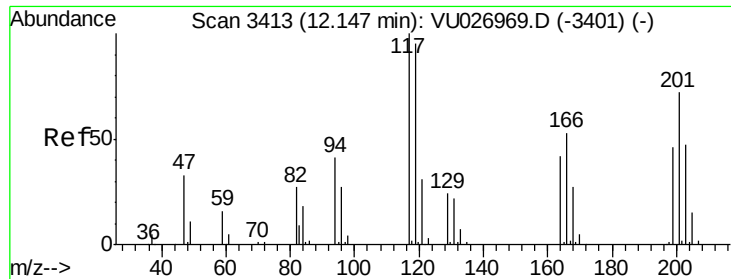
MMDadoda
 9/24/2018 4:40:33 PM



#89
 n-Butylbenzene
 Concen: 43.470 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion:	91	Resp:	211778
Ion Ratio	Lower	Upper	
91	100		
92	54.6	27.1	81.2
134	23.2	11.7	35.0





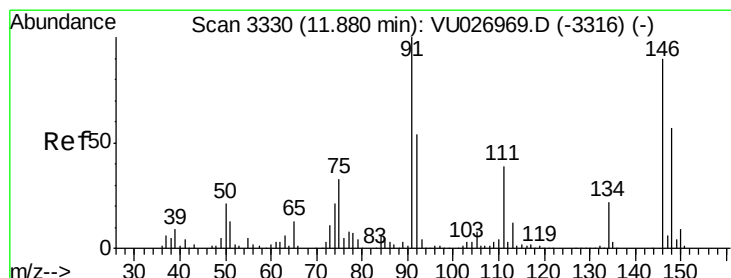
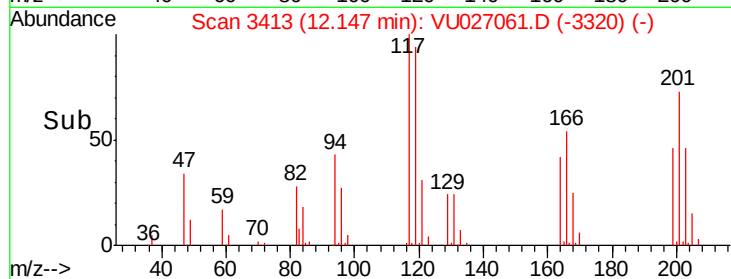
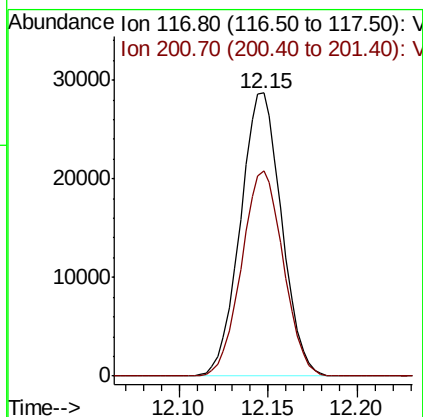
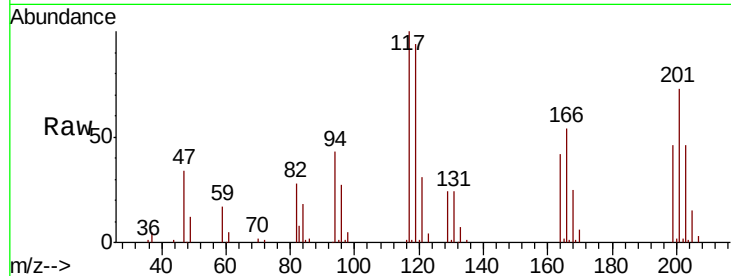
#90
Hexachloroethane
Concen: 47.272 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion:117 Resp: 46392
Ion Ratio Lower Upper
117 100
201 73.3 36.8 110.3

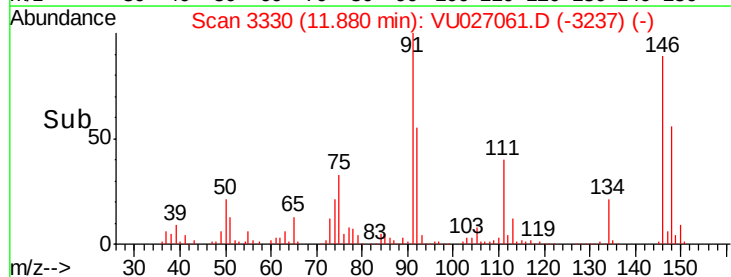
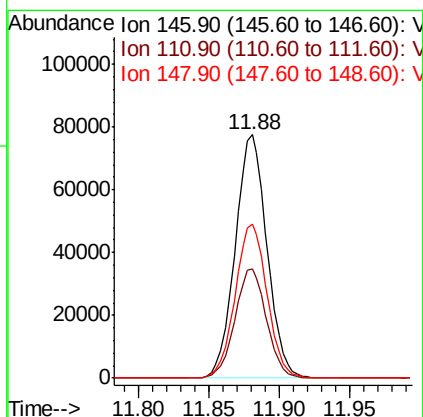
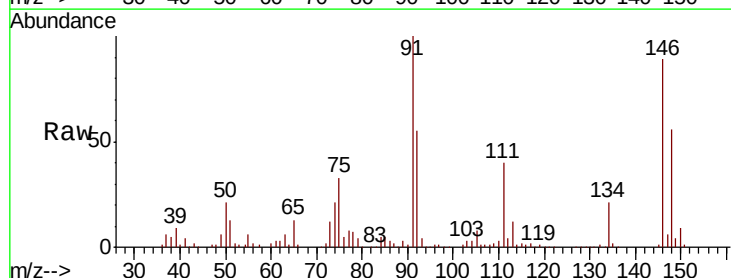
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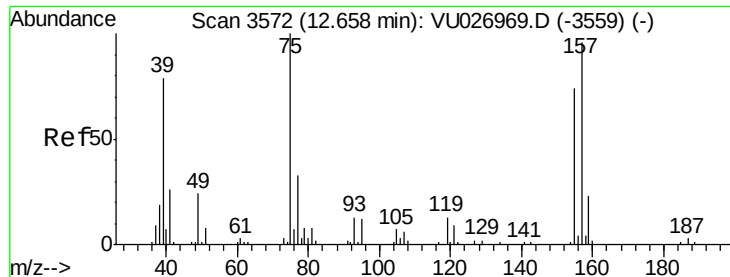
MMDadoda
9/24/2018 4:40:33 PM



#91
1,2-Dichlorobenzene
Concen: 46.729 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion:146 Resp: 122278
Ion Ratio Lower Upper
146 100
111 44.5 21.8 65.3
148 63.6 31.9 95.7





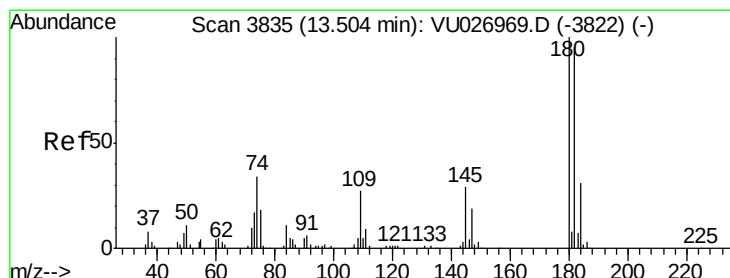
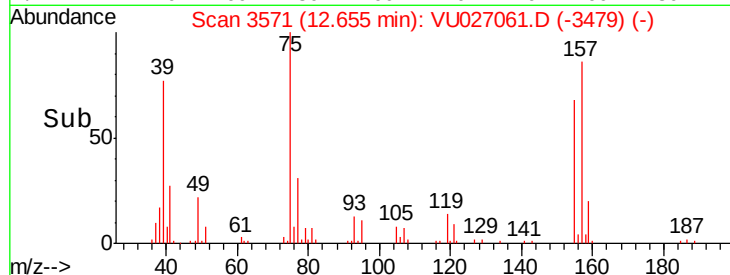
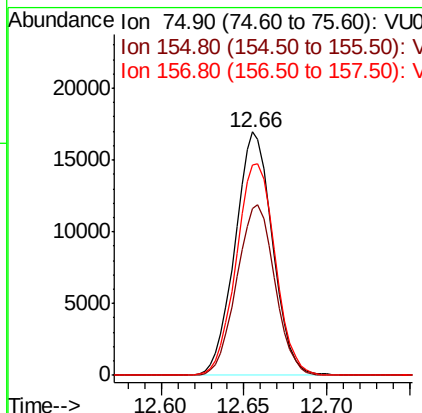
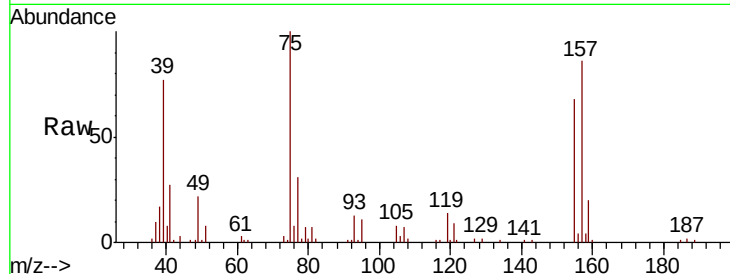
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.501 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	70.8	36.6	109.8
157	90.2	47.4	142.2

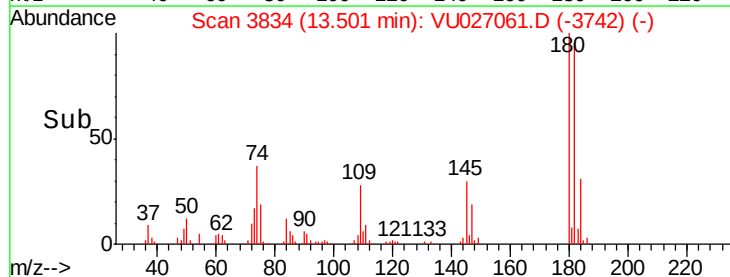
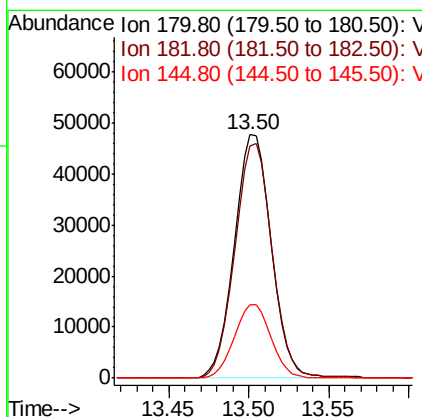
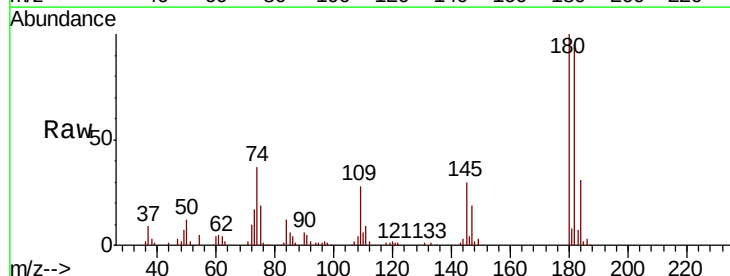
Manual Integrations
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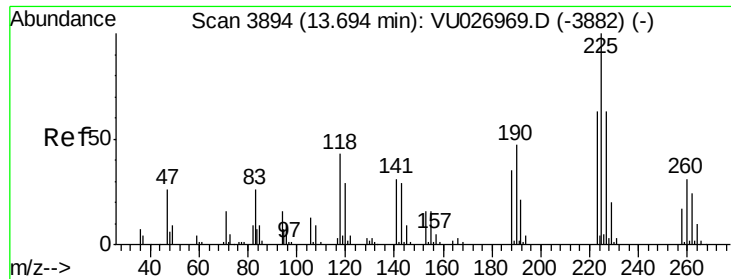
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#93
 1,2,4-Trichlorobenzene
 Concen: 49.664 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	30.0	14.9	44.5





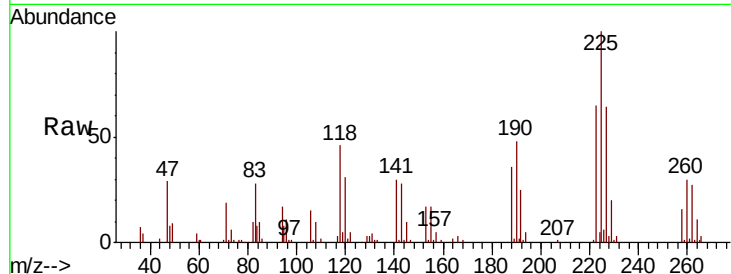
#94
Hexachlorobutadiene
Concen: 42.748 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ123I1-20180914MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	64.7	32.1	96.5

Manual Integrations
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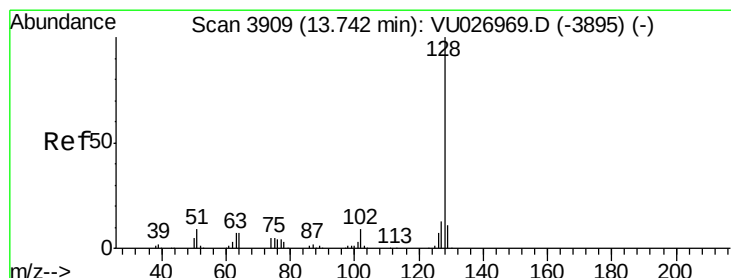
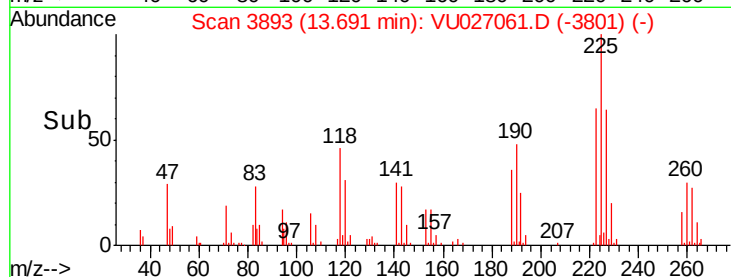
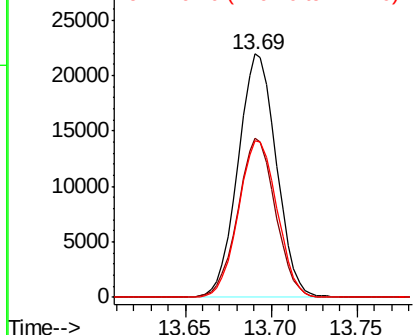


Abundance

Ion 224.70 (224.40 to 225.40): V

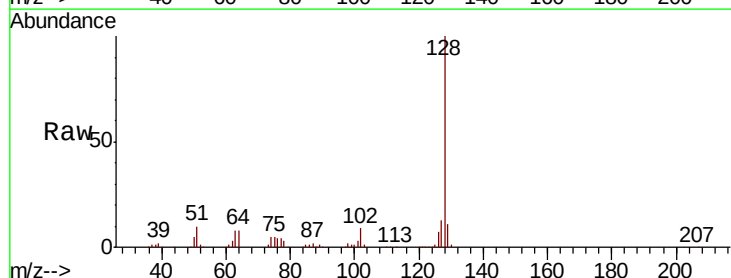
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 48.933 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027061.D
Acq: 23 Sep 2018 09:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.6	12.8

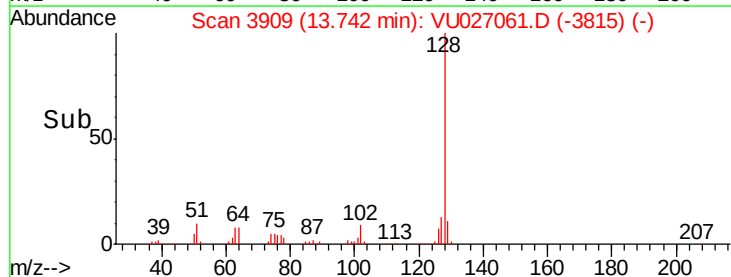
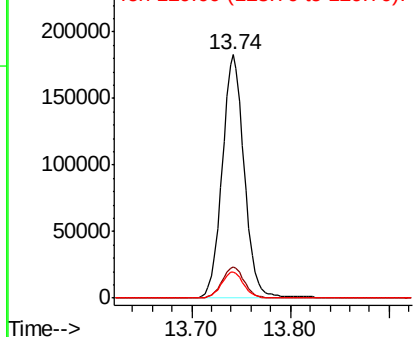


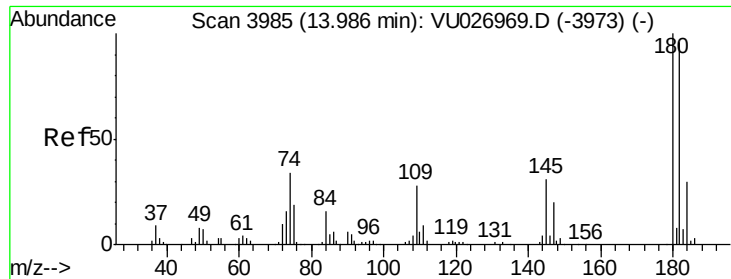
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.942 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027061.D
 Acq: 23 Sep 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ123I1-20180914MS

Tot Ion:	180	Resp:	82378
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	31.0	15.4	46.4

Manual Integrations
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