

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027120.D
 Acq On : 24 Sep 2018 19:37
 Operator : MD/SY
 Sample : J4968-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:15 AM

Quant Time: Sep 25 02:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84300	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	4.88	113	58757	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	7.57	98	225355	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	10.31	95	82301	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48511	47.316	ug/l	97
3) Chloromethane	1.33	50	81053	45.854	ug/l	100
4) Vinyl Chloride	1.40	62	80329	48.684	ug/l	99
5) Bromomethane	1.62	94	30880	32.865	ug/l	97
6) Chloroethane	1.69	64	51950	49.277	ug/l	98
7) Trichlorofluoromethane	1.88	101	93287	49.779	ug/l	98
8) Diethyl Ether	2.11	74	46364	51.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55923	48.533	ug/l	98
10) Methyl Iodide	2.41	142	37239	26.058	ug/l	100
11) Tert butyl alcohol	2.83	59	91412	252.345	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53443	49.277	ug/l	97
13) Acrolein	2.20	56	44659	228.696	ug/l	99
14) Allyl chloride	2.59	41	124817	56.742	ug/l	94
15) Acrylonitrile	2.94	53	249339	273.096	ug/l	99
16) Acetone	2.32	43	215862	257.633	ug/l	99
17) Carbon Disulfide	2.48	76	169608	48.006	ug/l	99
18) Methyl Acetate	2.62	43	117492	52.231	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223532	56.087	ug/l	99
20) Methylene Chloride	2.70	84	69252	48.927	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	59611	51.480	ug/l	99
22) Diisopropyl ether	3.57	45	272943	58.011	ug/l	98
23) Vinyl Acetate	3.53	43	1067712	266.219	ug/l	98
24) 1,1-Dichloroethane	3.45	63	142619	55.037	ug/l	99
25) 2-Butanone	4.26	43	355689	267.800	ug/l	98
26) 2,2-Dichloropropane	4.23	77	95733	47.371	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	69144	52.875	ug/l	97
28) Bromochloromethane	4.55	49	72928	58.382	ug/l	93
29) Tetrahydrofuran	4.64	42	231571	288.216	ug/l	96
30) Chloroform	4.67	83	125176	52.040	ug/l	99
31) Cyclohexane	5.00	56	125999	53.531	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102217	53.224	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92649	51.017	ug/l	99
37) Ethyl Acetate	4.38	43	119135	48.460	ug/l	99
38) Carbon Tetrachloride	5.14	117	86121	49.833	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105214	53.313	ug/l	97
40) Benzene	5.39	78	279343	50.599	ug/l	100
41) Methacrylonitrile	4.54	41	74853	58.627	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108392	51.966	ug/l	99
43) Isopropyl Acetate	5.55	43	191256	53.344	ug/l	99
44) Trichloroethene	6.19	130	59165	50.340	ug/l	96
45) 1,2-Dichloropropane	6.43	63	83864	53.313	ug/l	100
46) Dibromomethane	6.56	93	47796	50.310	ug/l	98
47) Bromodichloromethane	6.76	83	97905	50.965	ug/l	99
48) Methyl methacrylate	6.62	41	102193	52.321	ug/l	99
49) 1,4-Dioxane	6.61	88	35120	906.057	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	687363	285.054	ug/l	99
52) Toluene	7.64	92	166679	52.672	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	113316	54.902	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	117518	51.784	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69199	51.608	ug/l	99
56) Ethyl methacrylate	8.02	69	118286	50.805	ug/l	97
57) 1,3-Dichloropropane	8.24	76	133382	53.483	ug/l	99
59) 2-Hexanone	8.36	43	523067	277.114	ug/l	99
60) Dibromochloromethane	8.48	129	68284	51.917	ug/l	98
61) 1,2-Dibromoethane	8.59	107	71311	51.114	ug/l	100
64) Tetrachloroethene	8.23	164	47815	46.092	ug/l	97
65) Chlorobenzene	9.12	112	172337	48.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62340	50.704	ug/l	99
67) Ethyl Benzene	9.25	91	317539	54.098	ug/l	98
68) m/p-Xylenes	9.38	106	234318	98.592	ug/l	99
69) o-Xylene	9.78	106	113404	54.528	ug/l	97
70) Stvrene	9.79	104	188001	48.471	ug/l	99
71) Bromoform	9.96	173	49427	51.986	ug/l #	100
73) Isopropylbenzene	10.17	105	304084	55.413	ug/l	100
74) N-amyl acetate	10.01	43	166620	52.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	123229	48.841	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	104990m	47.906	ug/l	
77) Bromobenzene	10.45	156	68827	51.325	ug/l	94
78) n-propylbenzene	10.59	91	372281	57.335	ug/l	99
79) 2-Chlorotoluene	10.66	91	218123	53.481	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253647	55.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	30752m	44.904	ug/l	
82) 4-Chlorotoluene	10.77	91	251773	55.054	ug/l	98
83) tert-Butylbenzene	11.10	119	244631	54.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	261660	56.759	ug/l	98
85) sec-Butylbenzene	11.32	105	311115	56.909	ug/l	100
86) p-Isopropyltoluene	11.48	119	261255	50.912	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127311	51.017	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	129579	47.644	ug/l	100
89) n-Butylbenzene	11.89	91	245469	49.394	ug/l	100
90) Hexachloroethane	12.14	117	48996	49.285	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127915	48.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27342	53.121	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	84226	55.138	ug/l	99

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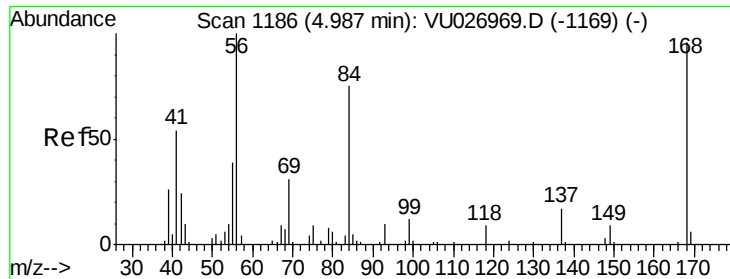
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	40025	49.520	ug/l	99
95) Naphthalene	13.74	128	306420	51.261	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88146	53.809	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:168 Resp: 78525

Ion Ratio Lower Upper

168 100

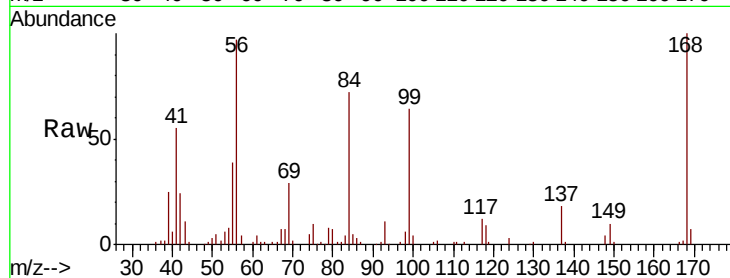
99 62.4 48.1 72.1

Manual Integrations

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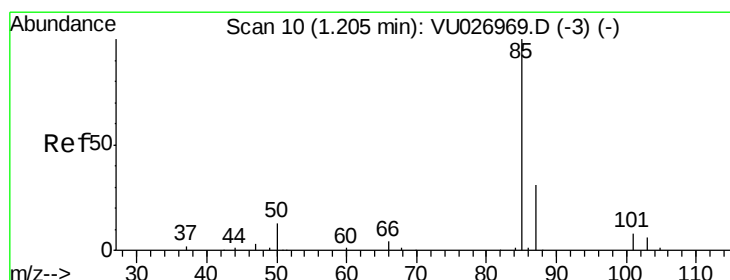
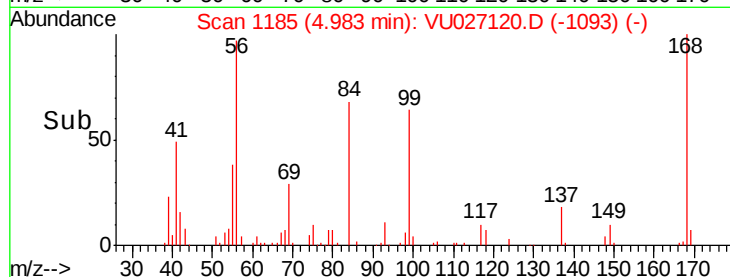
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.316 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027120.D

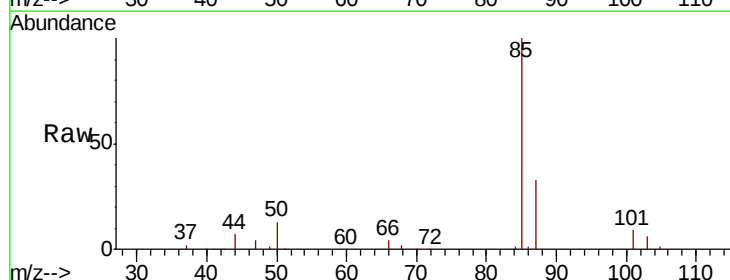
Acq: 24 Sep 2018 19:37

Tgt Ion: 85 Resp: 48511

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.7



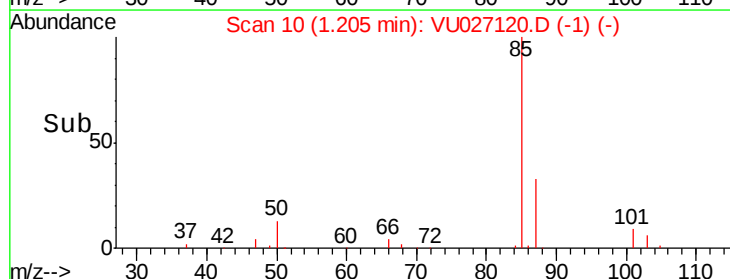
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

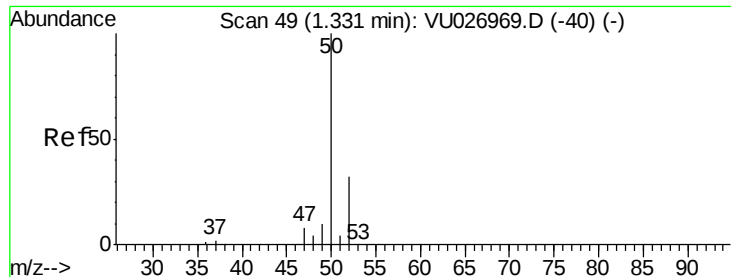
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.854 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 81053

Ion Ratio Lower Upper

50 100

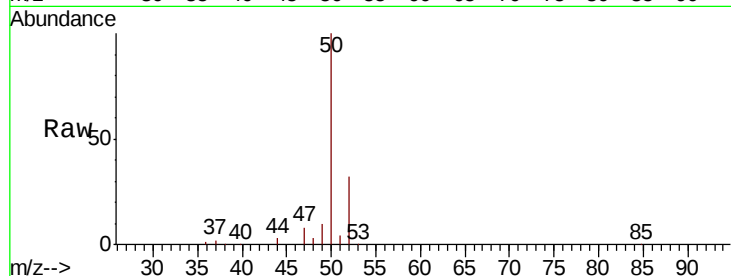
52 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027120.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027120.D (-1) (-)

1.33

80000

60000

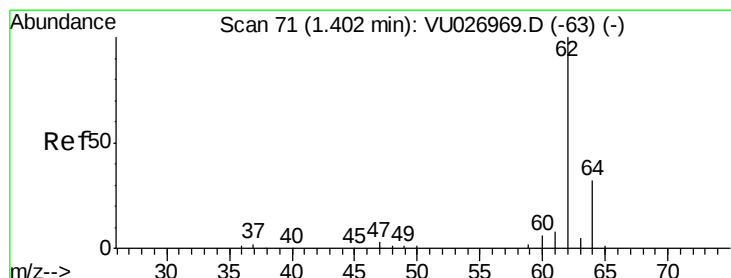
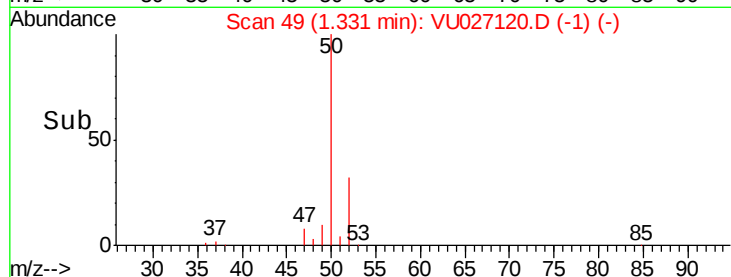
40000

20000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.684 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027120.D

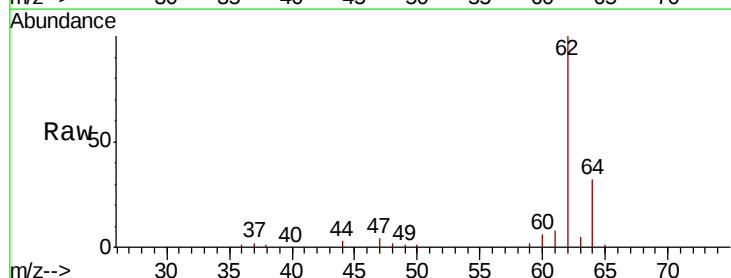
Acq: 24 Sep 2018 19:37

Tgt Ion: 62 Resp: 80329

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027120.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027120.D (-1) (-)

1.40

80000

60000

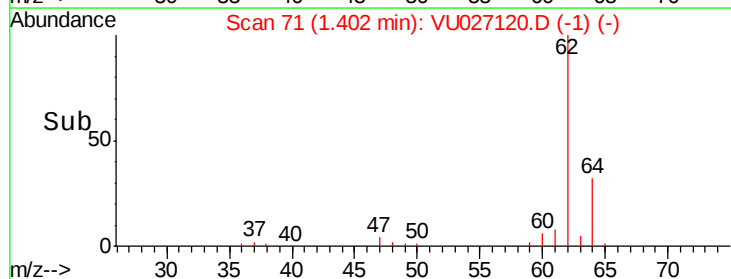
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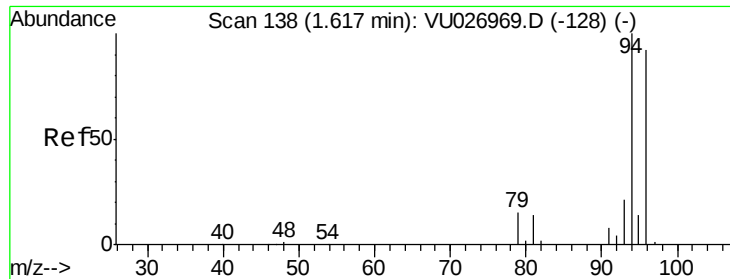
20000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 32.865 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

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Tot Ion: 94 Resp: 30880

Ion Ratio Lower Upper

94 100

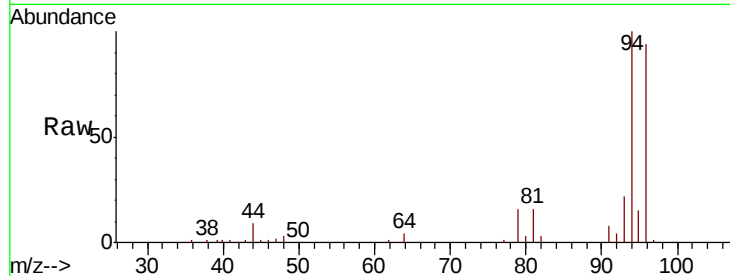
96 93.9 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.62

25000

20000

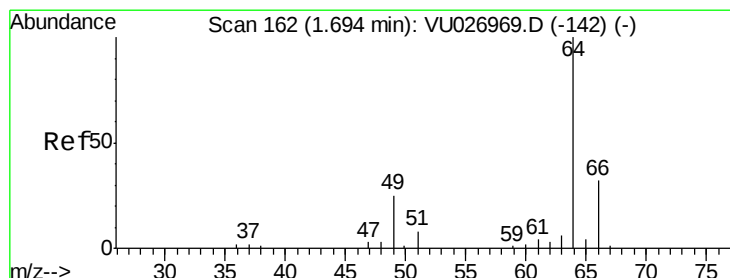
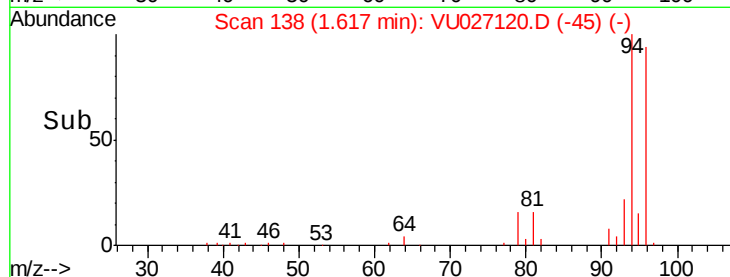
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 49.277 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027120.D

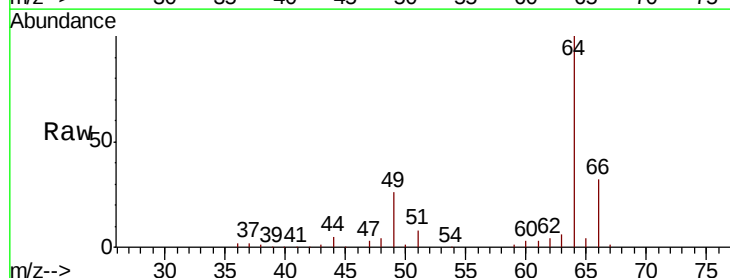
Acq: 24 Sep 2018 19:37

Tgt Ion: 64 Resp: 51950

Ion Ratio Lower Upper

64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

40000

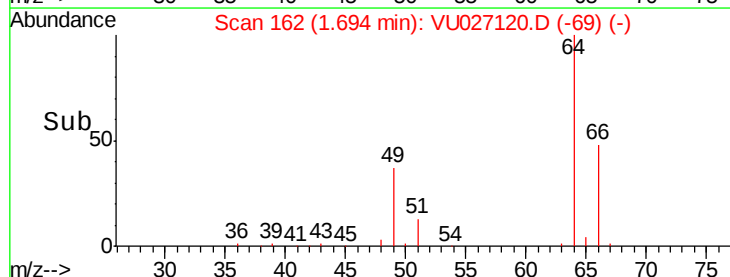
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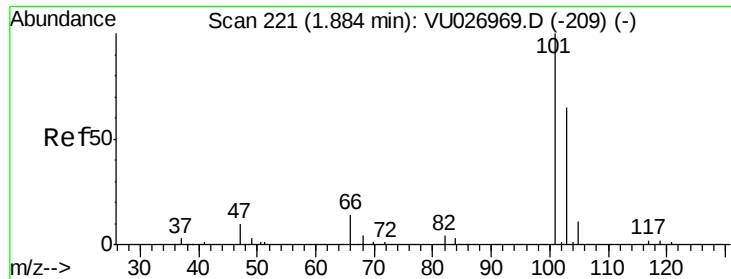
20000

10000

0

Time-->





#7

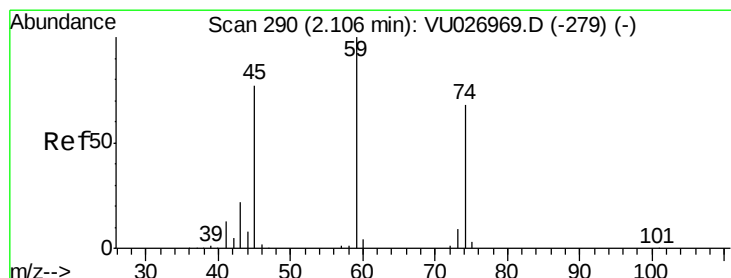
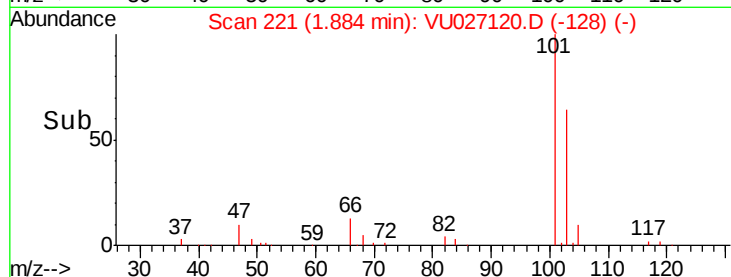
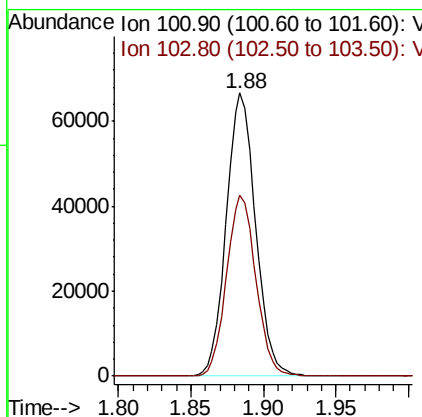
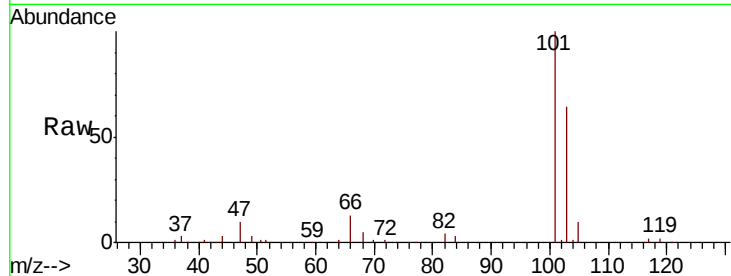
Trichlorofluoromethane
 Concen: 49.779 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

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Tot Ion:101 Resp: 93287
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.2

Manual Integrations
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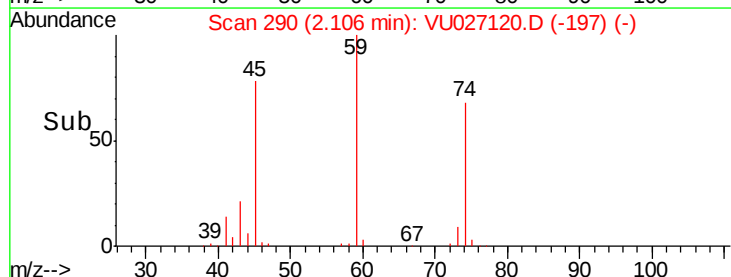
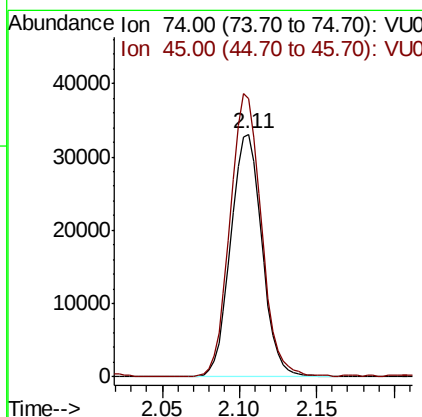
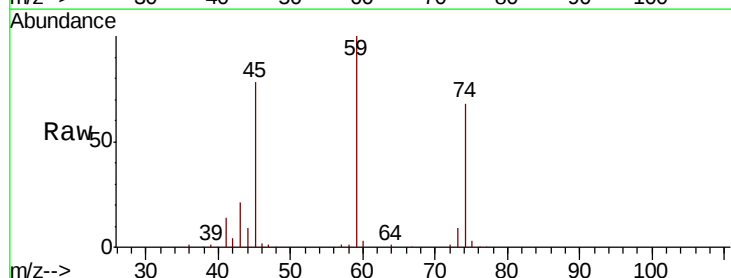
MMDadoda
 9/25/2018 11:34:15 AM

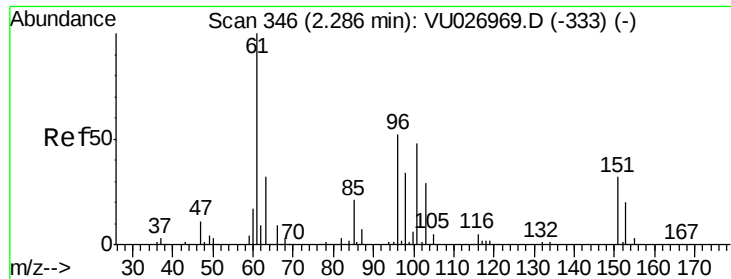


#8

Diethyl Ether
 Concen: 51.400 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 74 Resp: 46364
 Ion Ratio Lower Upper
 74 100
 45 116.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.533 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

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MSVOA_U

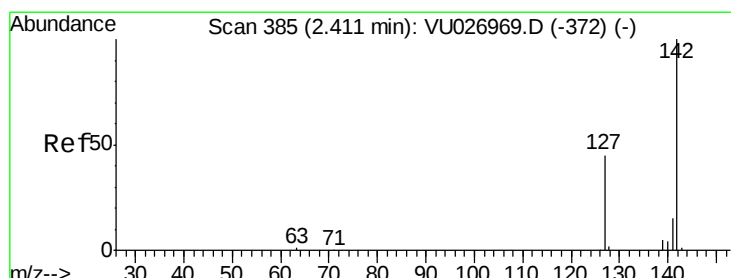
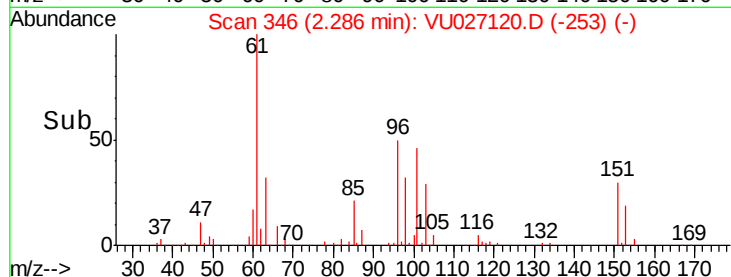
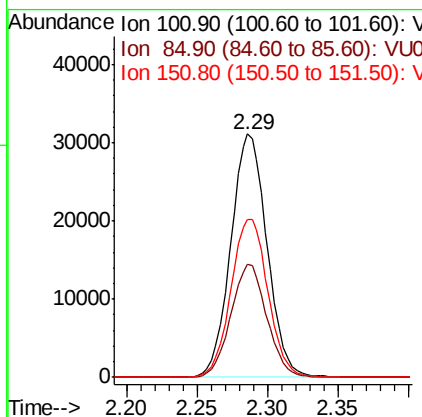
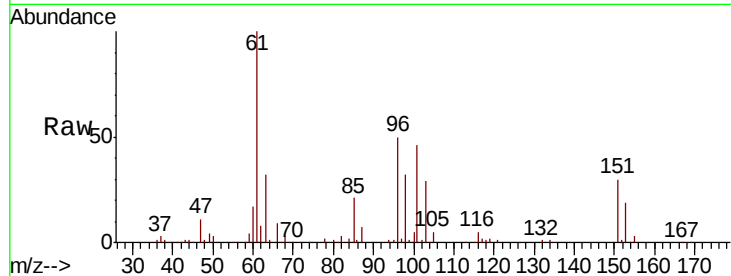
ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:	101	Resp:	55923
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.2
151	66.2	54.5	81.7

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#10

Methyl Iodide

Concen: 26.058 ug/l

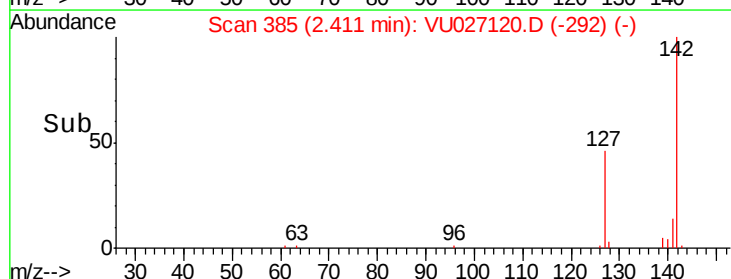
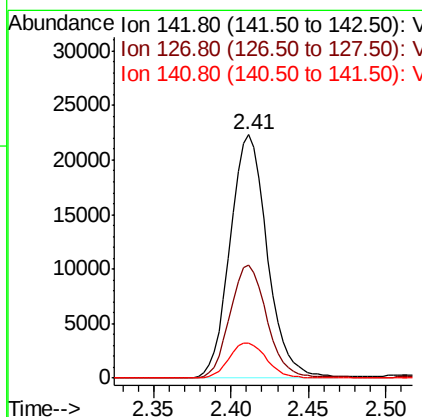
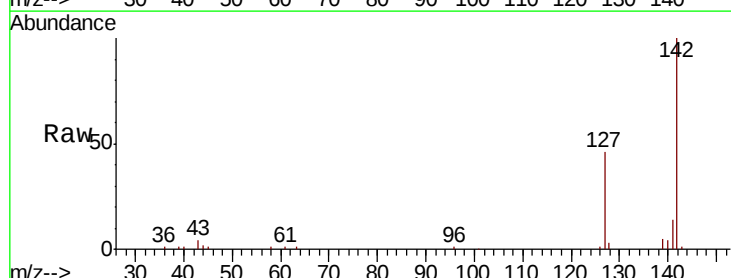
RT: 2.41 min Scan# 385

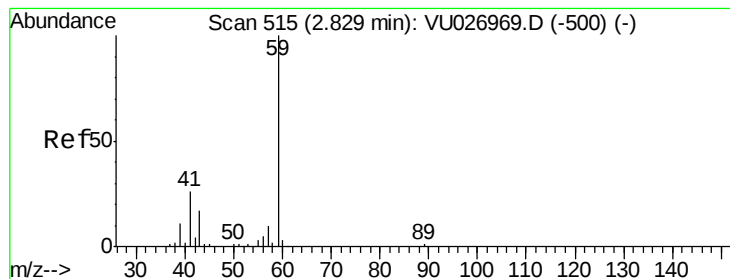
Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion:	142	Resp:	37239
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.4	11.8	17.6





#11

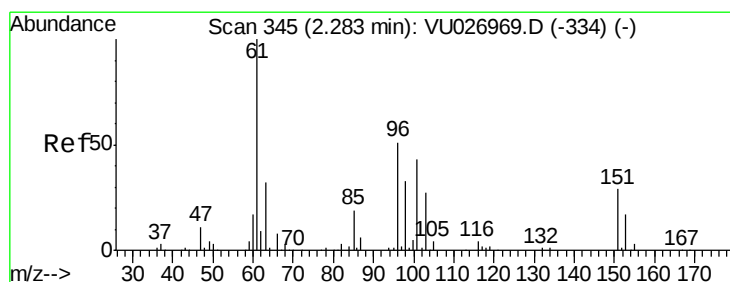
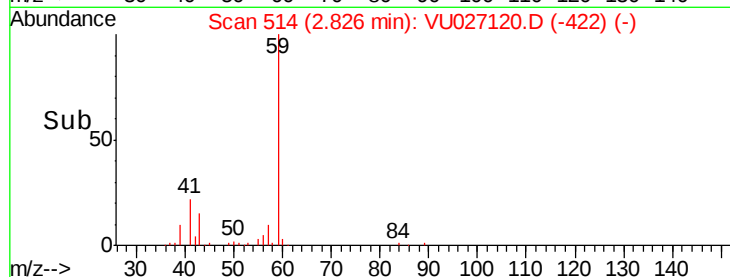
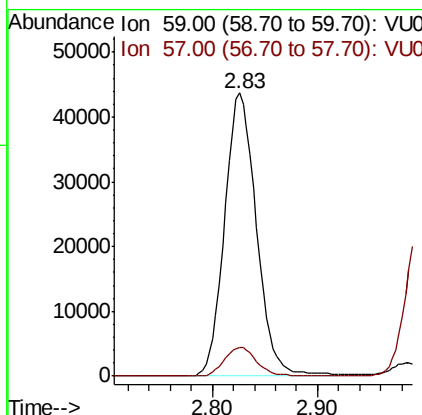
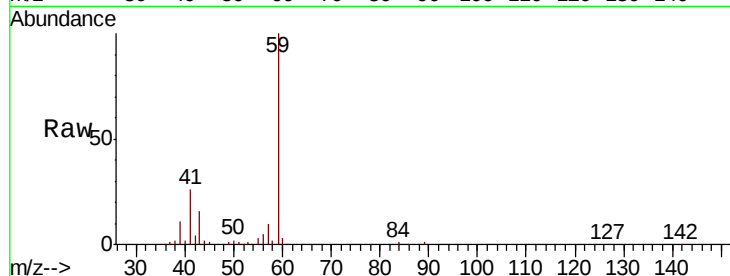
Tert butyl alcohol
 Concen: 252.345 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	59	Resp	91412
Ion Ratio	100	Lower	Upper
57	10.1	8.5	12.7

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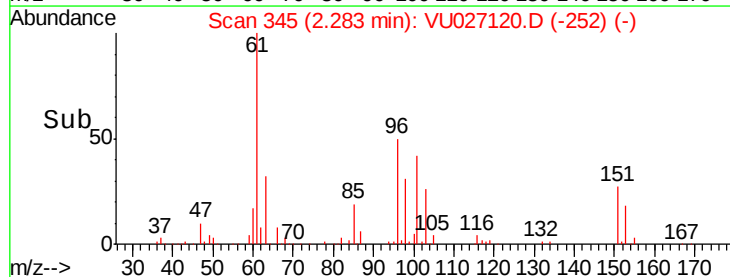
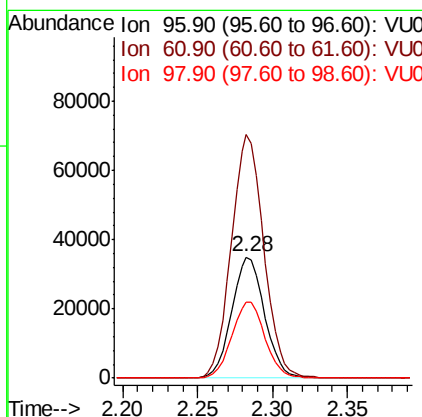
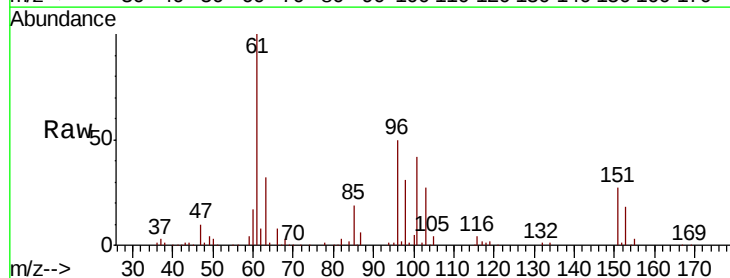
MMDadoda
 9/25/2018 11:34:15 AM

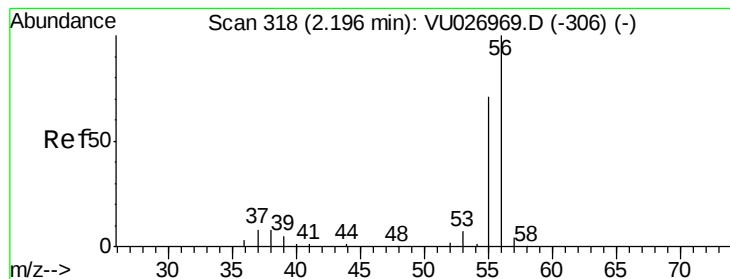


#12

1,1-Dichloroethene
 Concen: 49.277 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	96	Resp	53443
Ion Ratio	100	Lower	Upper
61	200.7	156.1	234.1
98	63.1	51.4	77.0





#13

Acrolein

Concen: 228.696 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 56 Resp: 44659

Ion Ratio Lower Upper

56 100

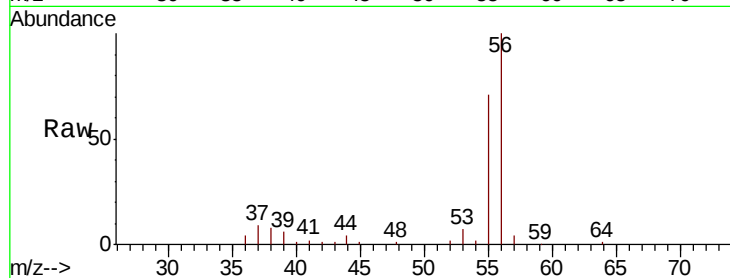
55 70.5 57.1 85.7

Manual Integrations

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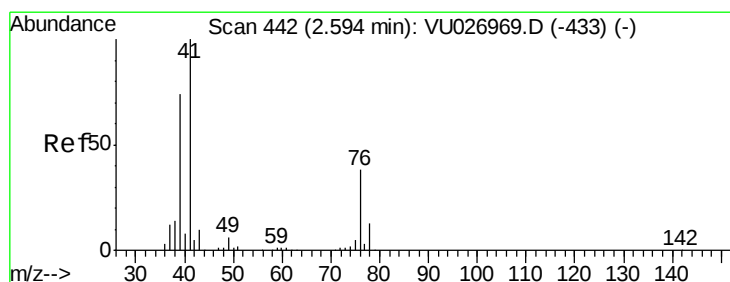
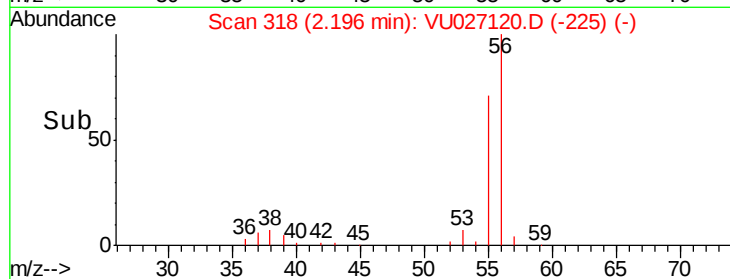
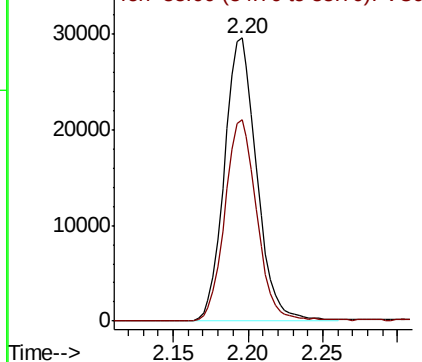
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 56.742 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

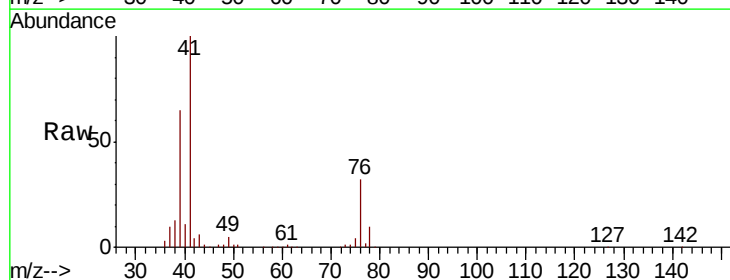
Tgt Ion: 41 Resp: 124817

Ion Ratio Lower Upper

41 100

39 63.6 55.7 83.5

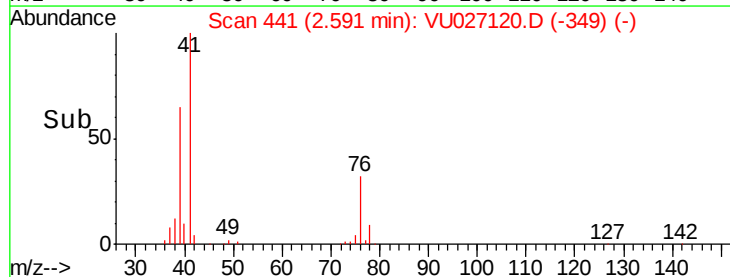
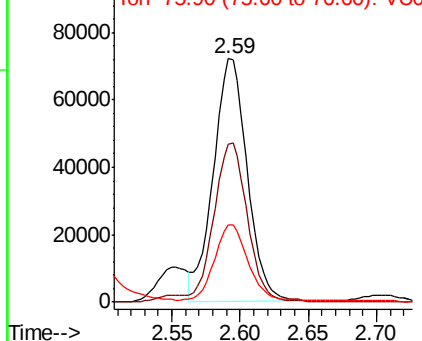
76 31.0 26.5 39.7

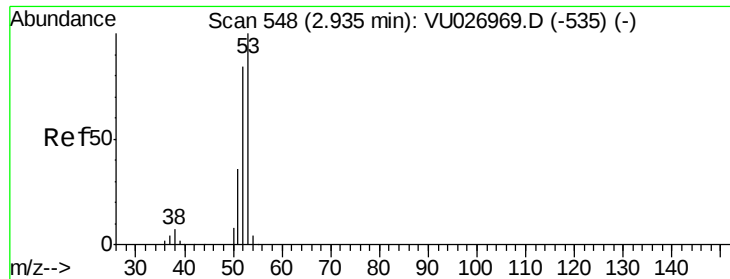


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 273.096 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

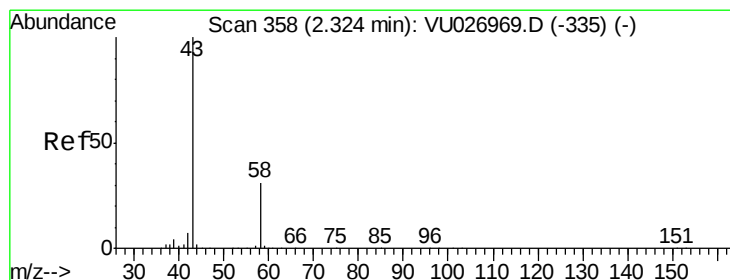
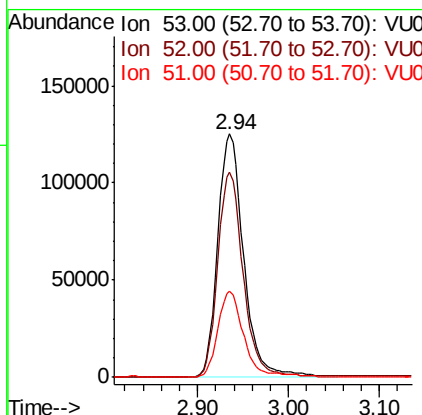
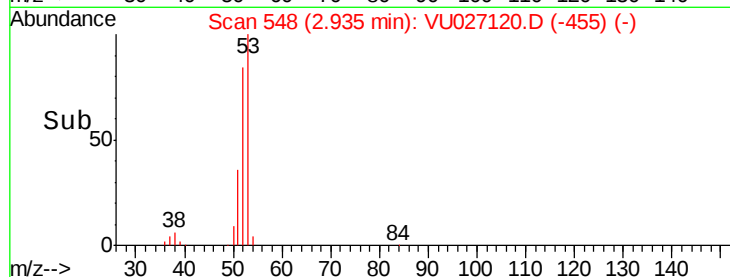
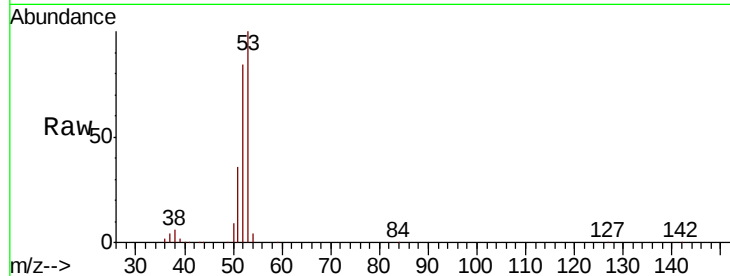
ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:	53	Resp:	249339
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	35.7	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 257.633 ug/l

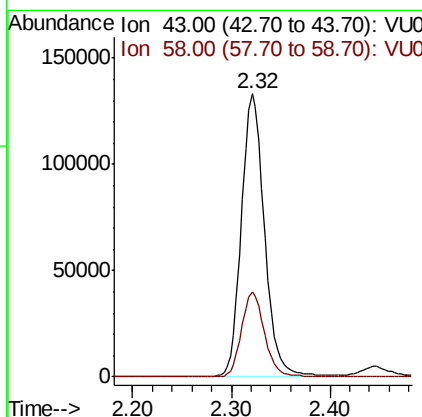
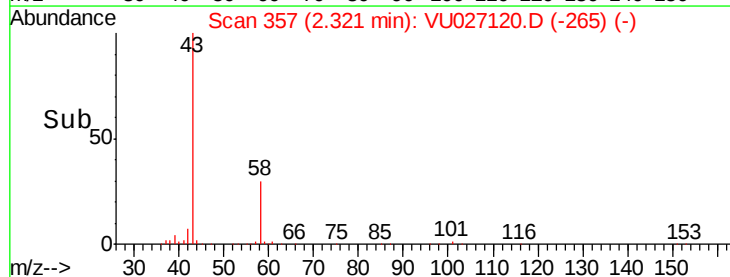
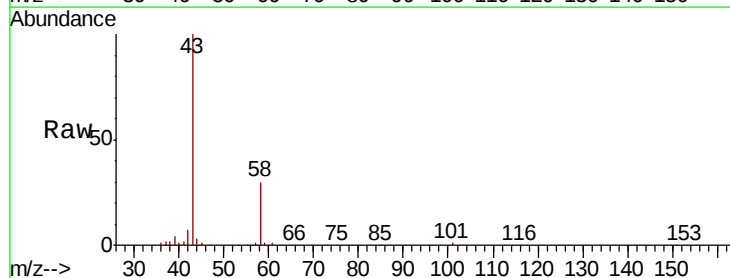
RT: 2.32 min Scan# 357

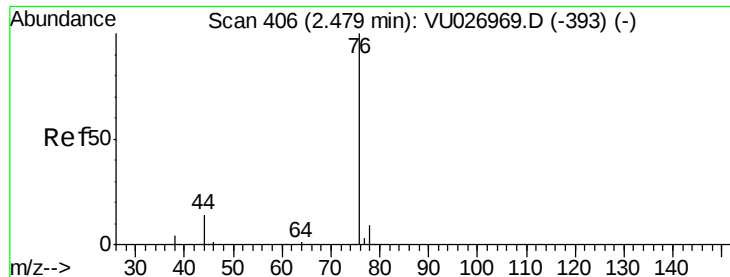
Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion:	43	Resp:	215862
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.6	36.8





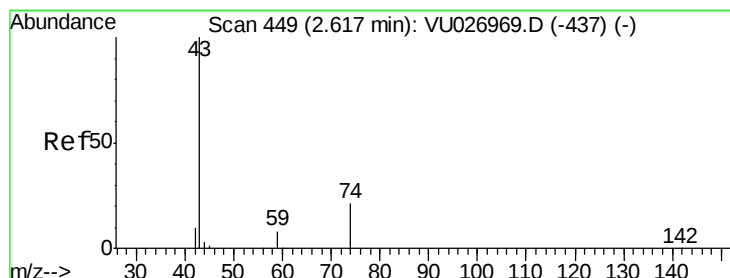
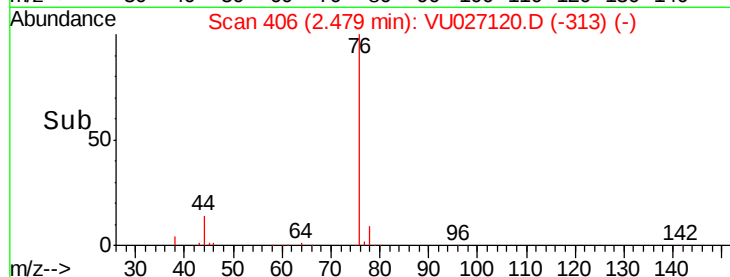
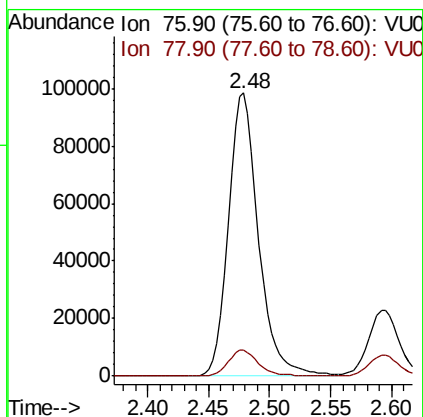
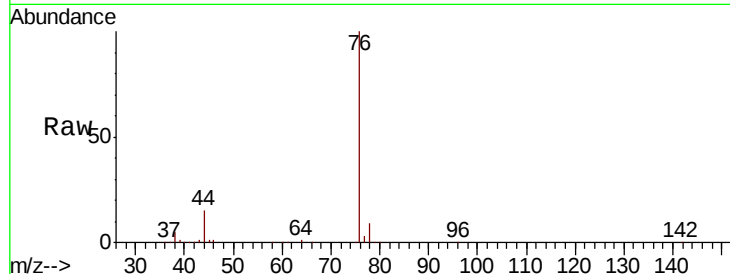
#17
Carbon Disulfide
Concen: 48.006 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion: 76 Resp: 169608
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

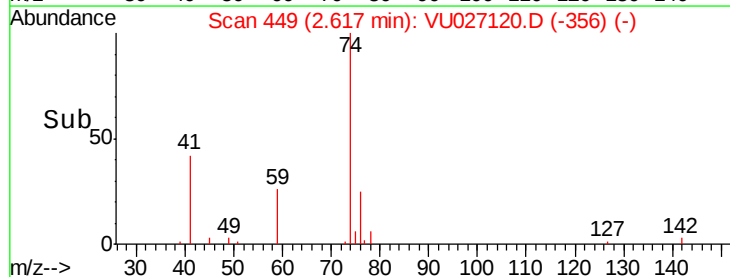
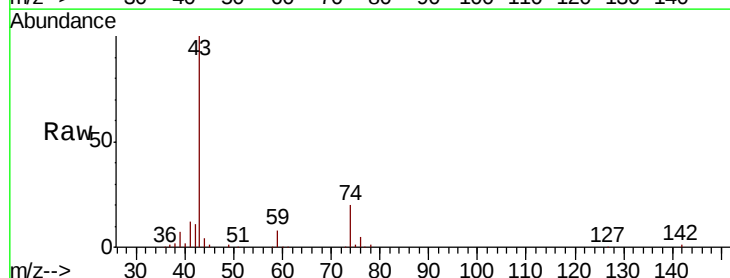
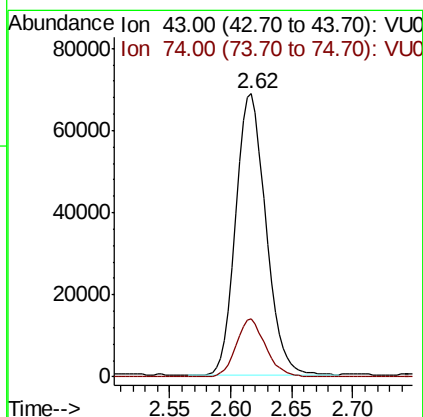
Manual Integrations
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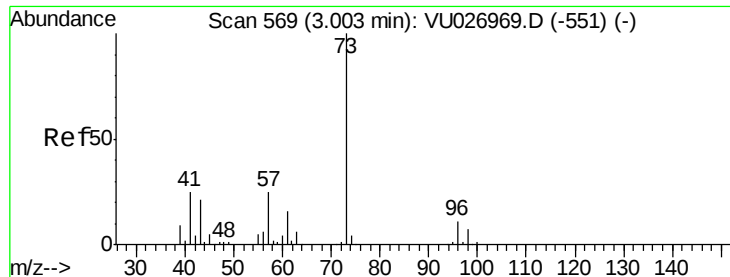
MMDadoda
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#18
Methyl Acetate
Concen: 52.231 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 43 Resp: 117492
Ion Ratio Lower Upper
43 100
74 20.1 16.6 25.0





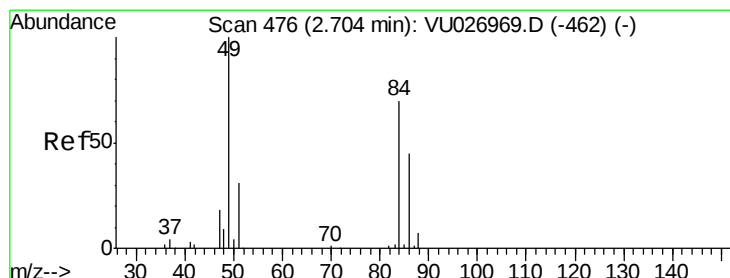
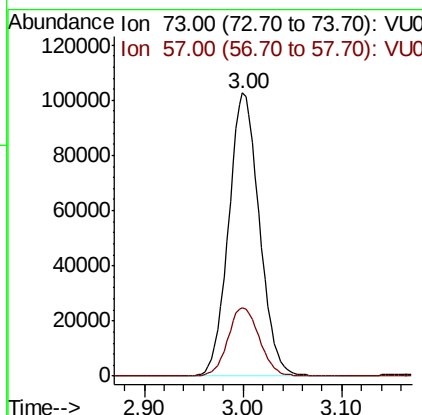
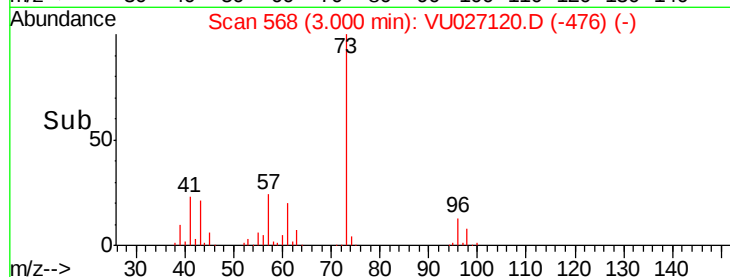
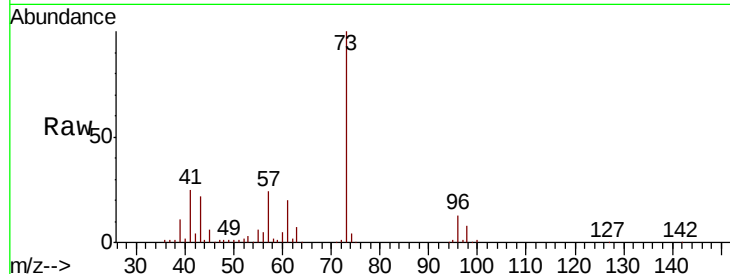
#19
Methyl tert-butyl Ether
Concen: 56.087 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion: 73 Resp: 223532
Ion Ratio Lower Upper
73 100
57 24.2 19.8 29.6

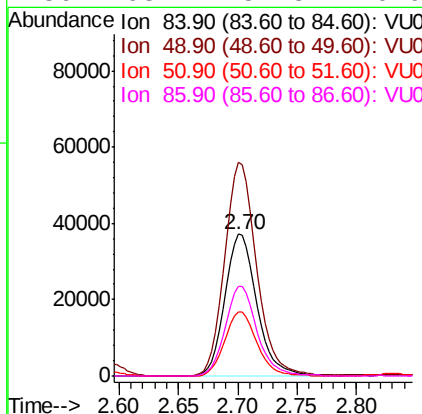
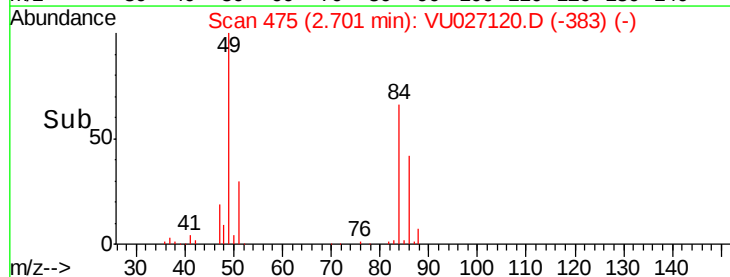
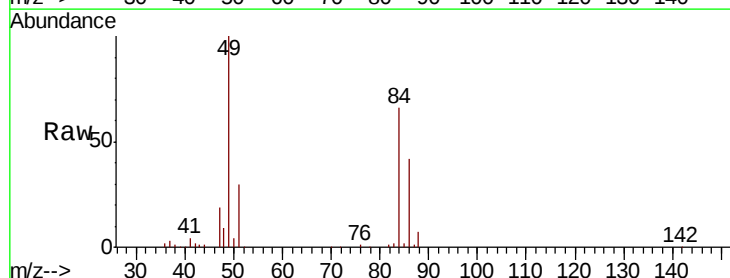
Manual Integrations
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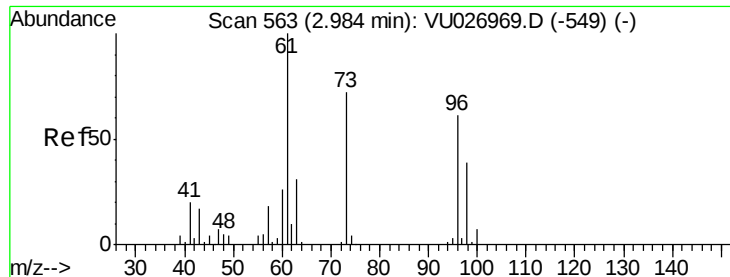
MMDadoda
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#20
Methylene Chloride
Concen: 48.927 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 84 Resp: 69252
Ion Ratio Lower Upper
84 100
49 150.9 114.9 172.3
51 45.3 35.8 53.8
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.480 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

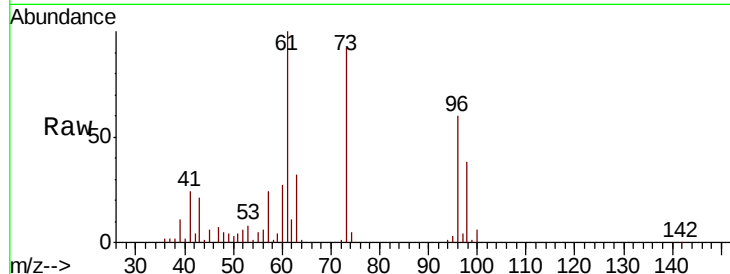
ClientSampleId :

SA-PZ182I-20180916MSD

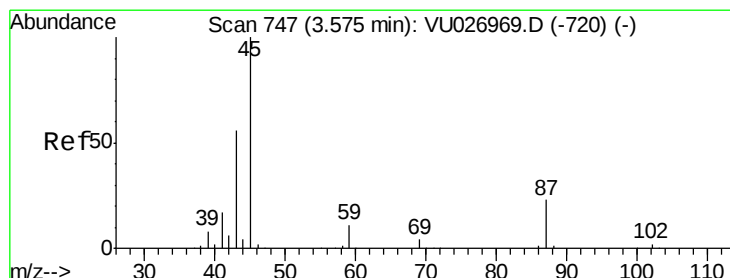
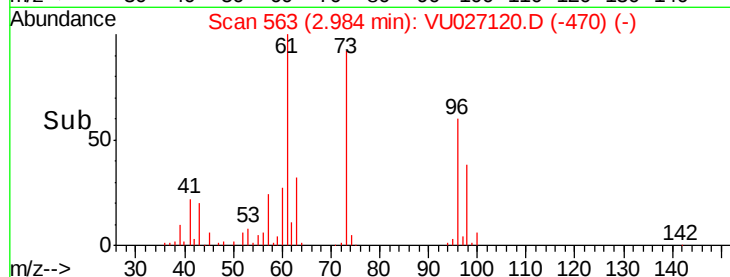
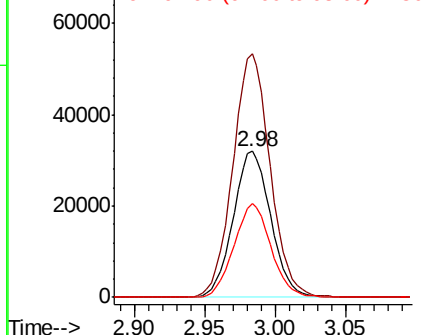
Tot Ion:	96	Resp:	59611
Ion	Ratio	Lower	Upper
96	100		
61	167.1	131.8	197.6
98	64.1	50.9	76.3

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU027120.D (-470) (-)



#22

Diisopropyl ether

Concen: 58.011 ug/l

RT: 3.57 min Scan# 746

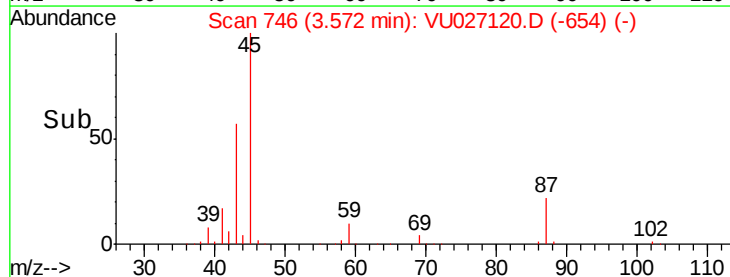
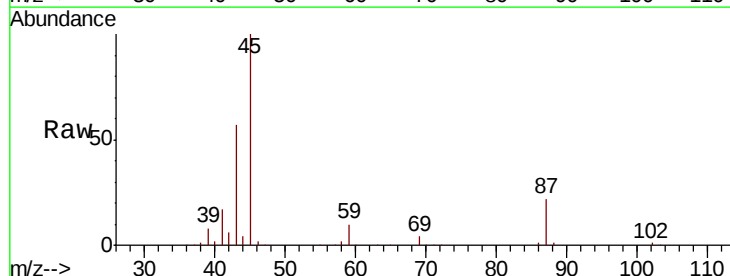
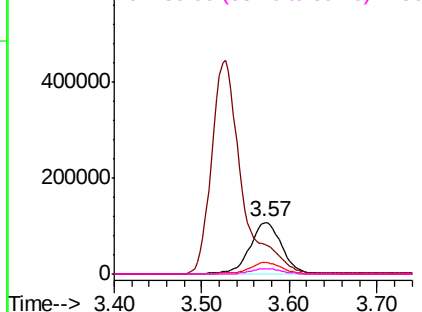
Delta R.T. -0.00 min

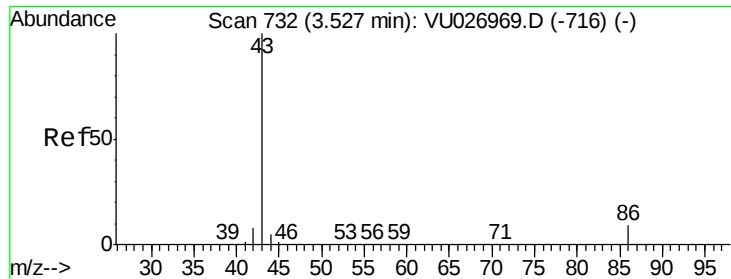
Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion:	45	Resp:	272943
Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.8	68.6
87	22.2	18.6	28.0
59	10.4	9.0	13.4

Abundance Ion 45.00 (44.70 to 45.70): VU027120.D (-654) (-)





#23

Vinyl Acetate

Concen: 266.219 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tot Ion: 43 Resp: 1067712

Ion Ratio Lower Upper

43 100

86 8.4 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

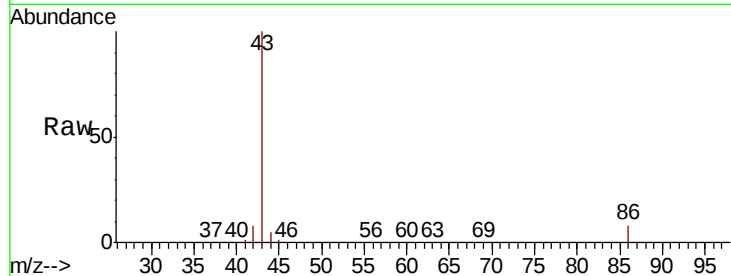
SA-PZ182I-20180916MSD

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

400000

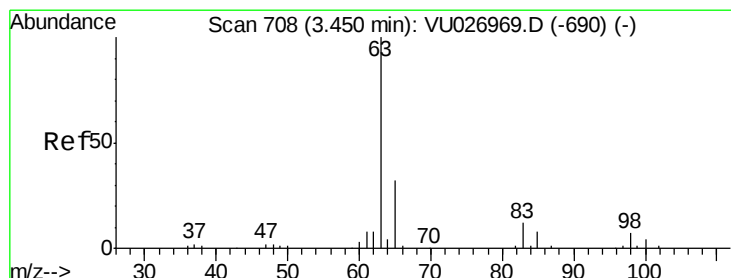
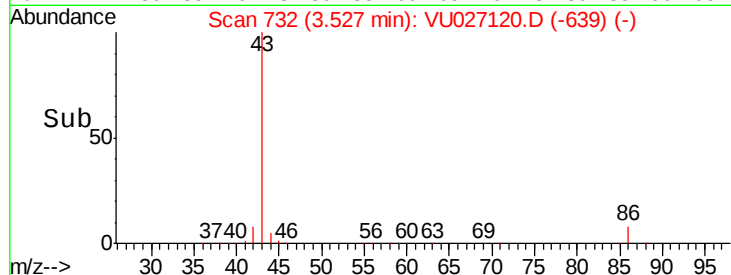
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.037 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

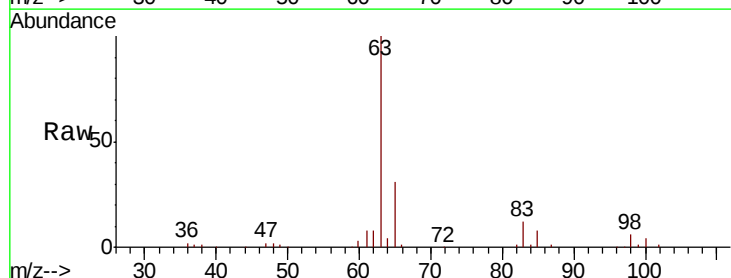
Tgt Ion: 63 Resp: 142619

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

80000

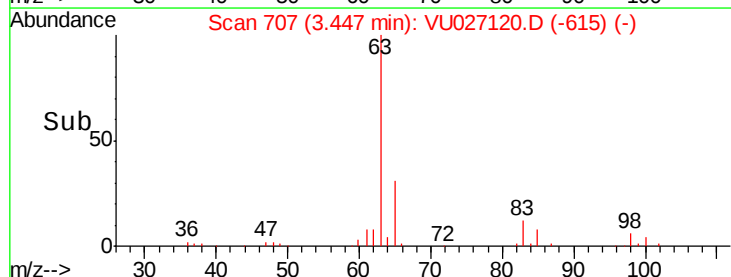
60000

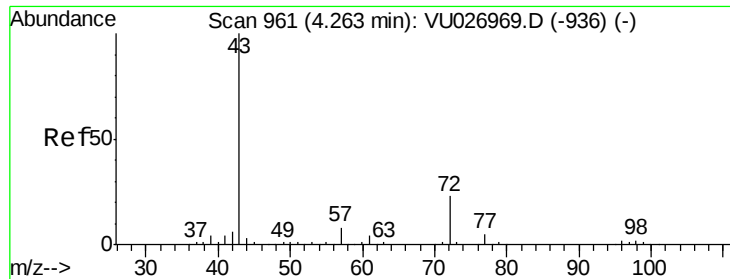
40000

20000

0

Time-->





#25

2-Butanone

Concen: 267.800 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 43 Resp: 355689

Ion Ratio Lower Upper

43 100

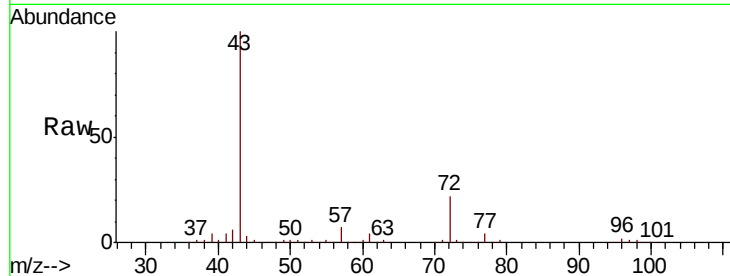
72 21.9 18.4 27.6

Manual Integrations

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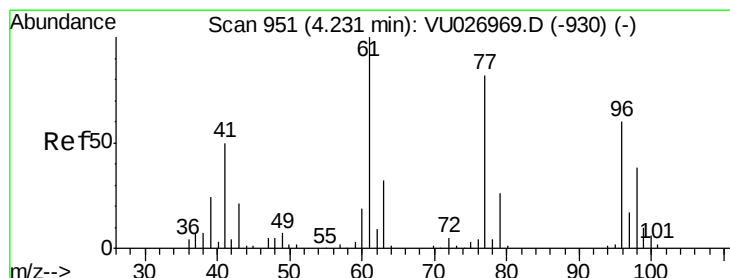
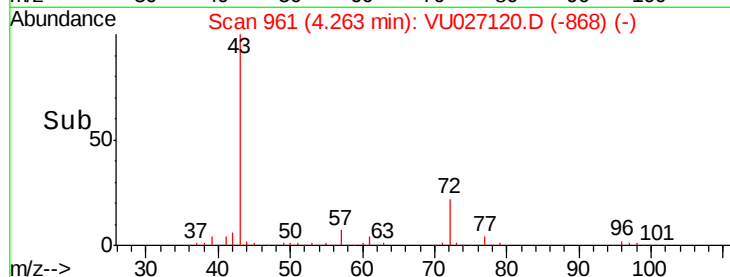
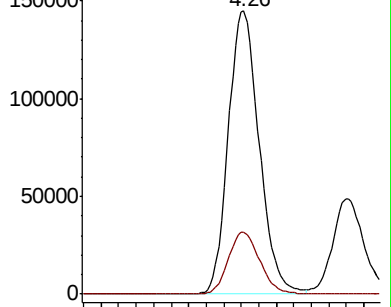
MMDadoda

9/25/2018 11:34:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.371 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027120.D

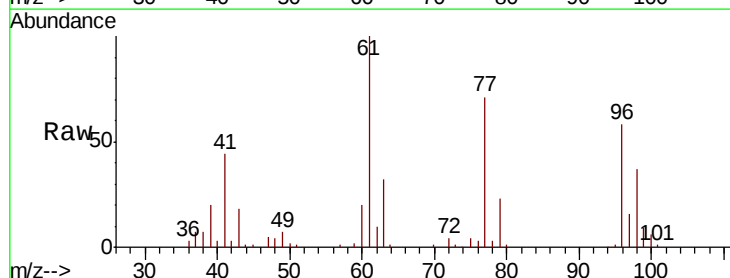
Acq: 24 Sep 2018 19:37

Tgt Ion: 77 Resp: 95733

Ion Ratio Lower Upper

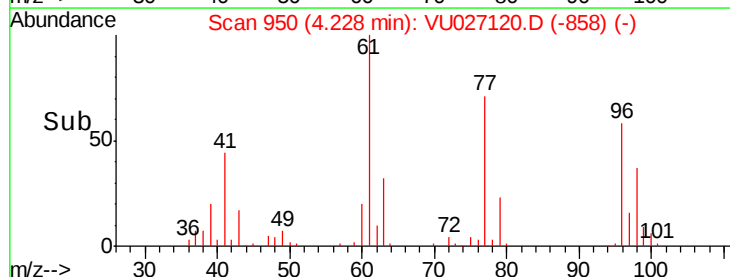
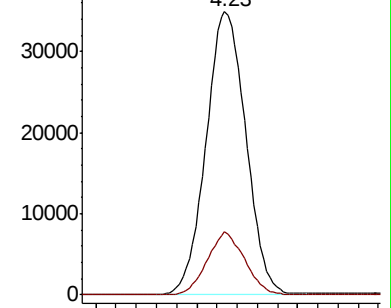
77 100

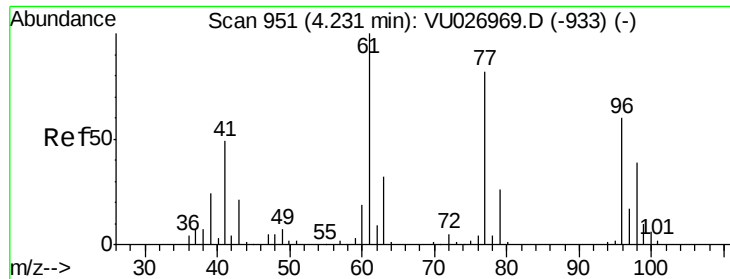
97 20.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





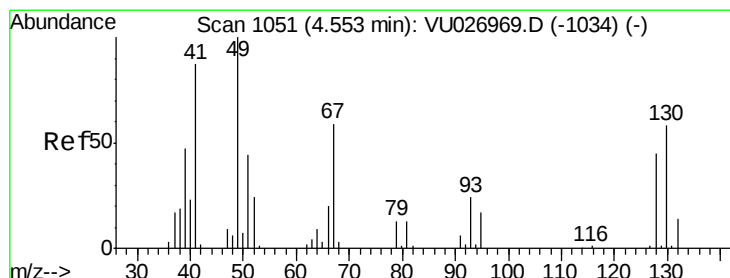
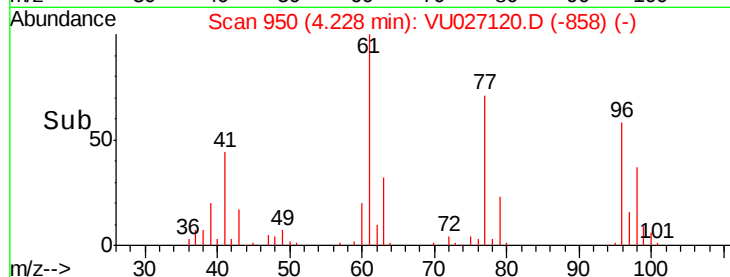
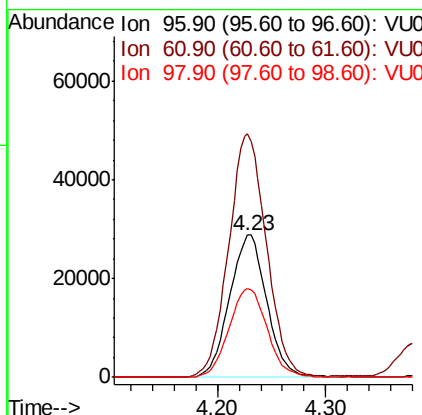
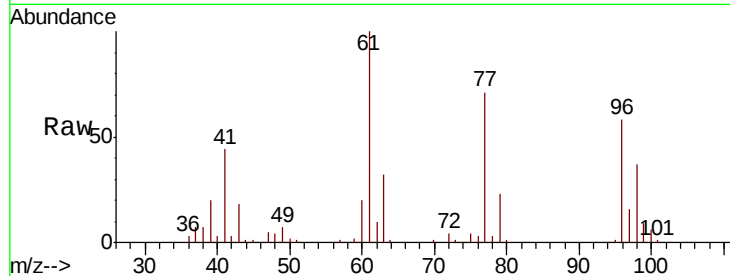
#27
 cis-1,2-Dichloroethene
 Concen: 52.875 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.8	0.0	337.2
98	64.0	0.0	127.6

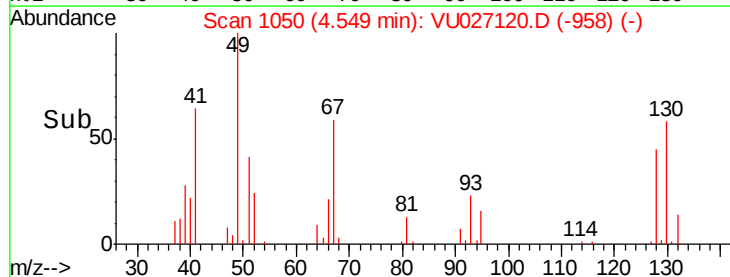
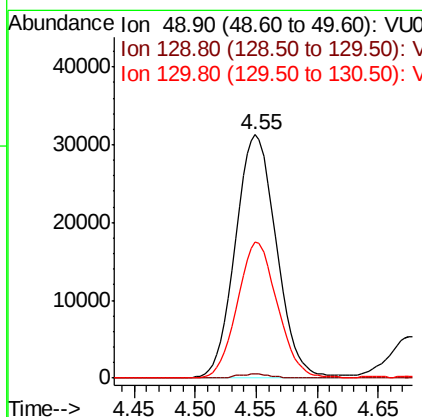
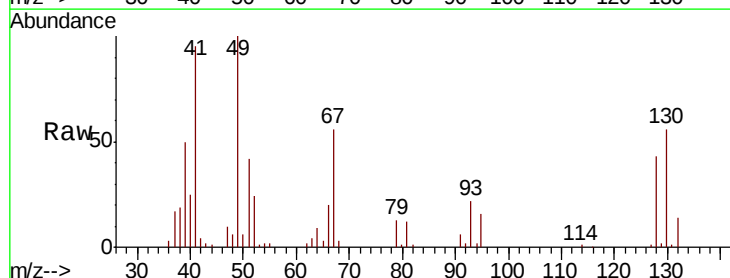
Manual Integrations
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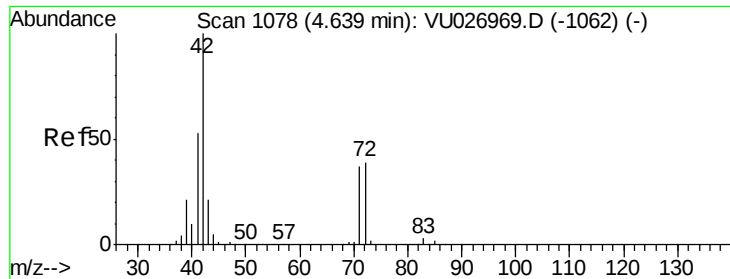
MMDadoda
 9/25/2018 11:34:15 AM



#28
 Bromochloromethane
 Concen: 58.382 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	54.5	47.8	71.8





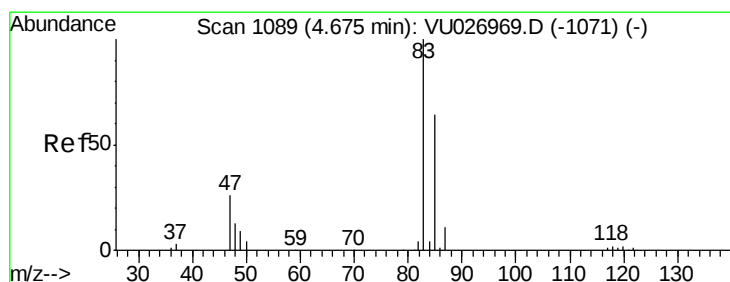
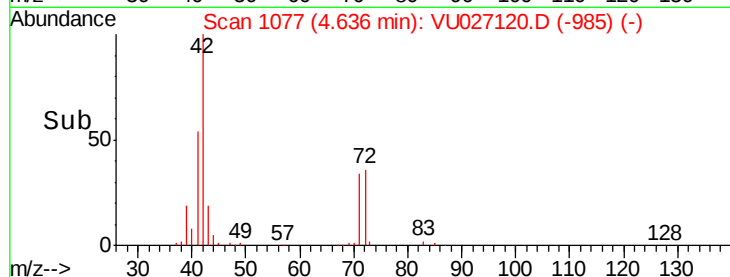
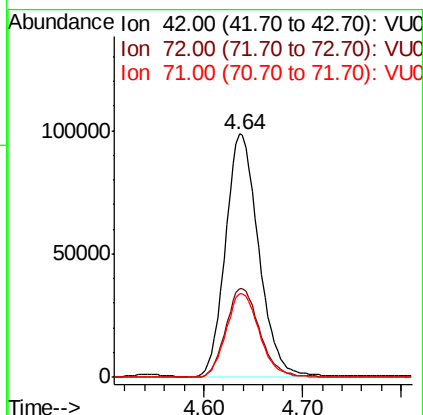
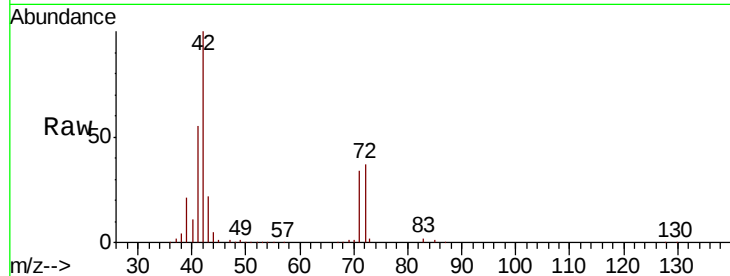
#29
Tetrahydrofuran
Concen: 288.216 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.7	47.5
71	34.5	29.6	44.4

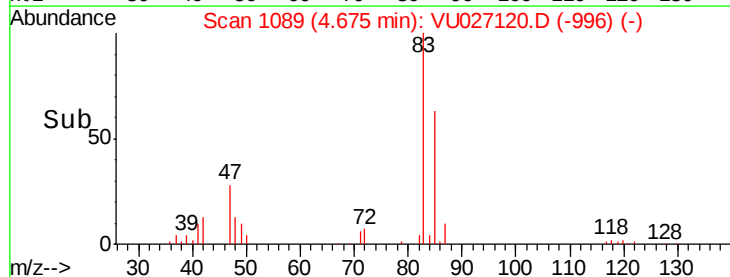
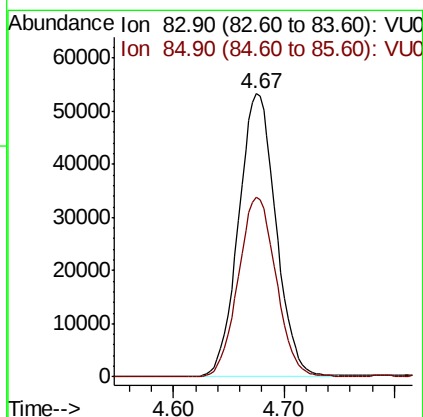
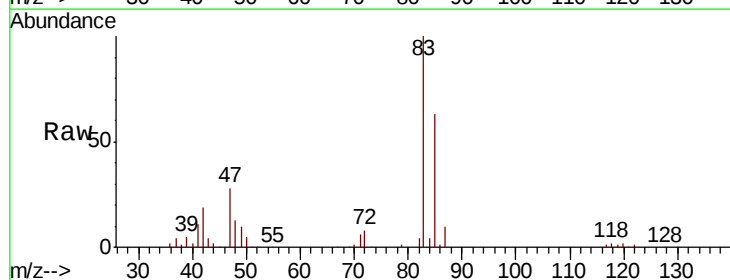
Manual Integrations
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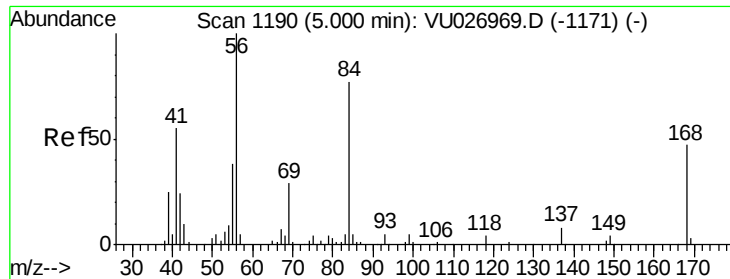
MMDadoda
9/25/2018 11:34:15 AM



#30
Chloroform
Concen: 52.040 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





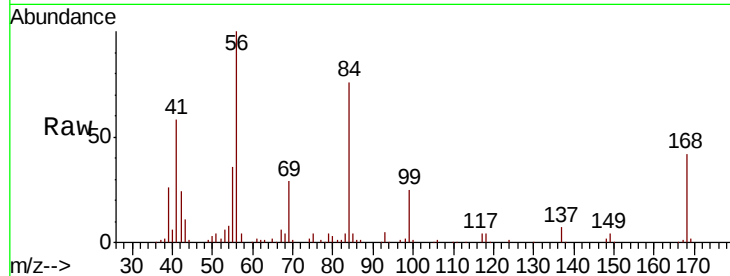
#31
Cyclohexane
Concen: 53.531 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

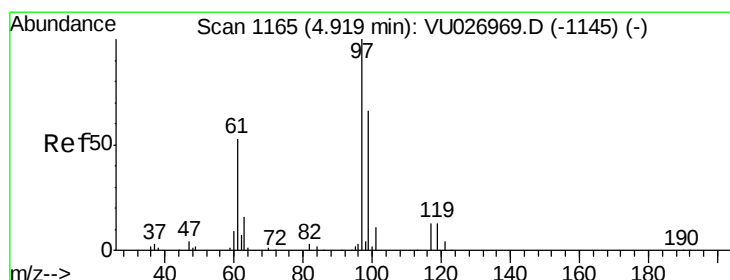
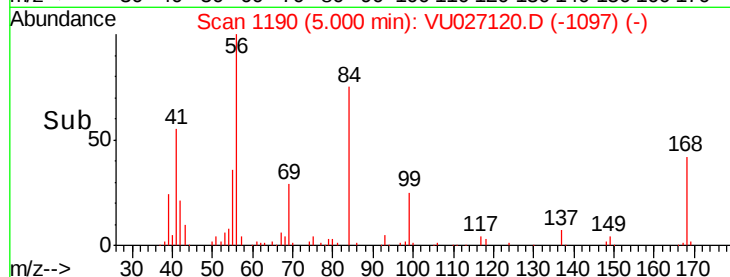
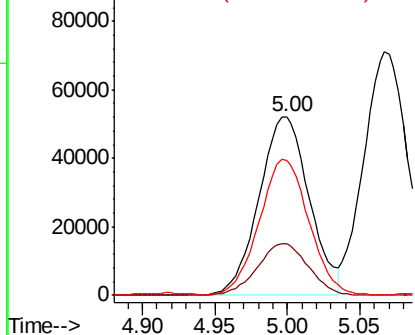
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.0	34.4
84	74.9	61.4	92.2

Manual Integrations
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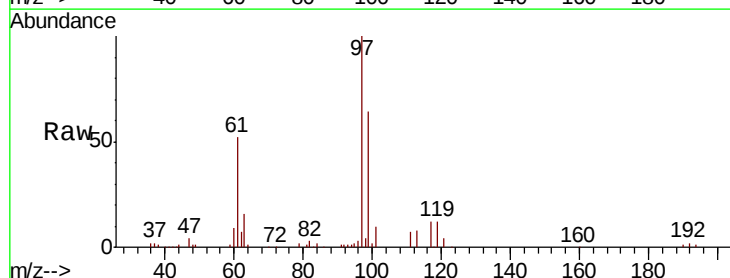


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

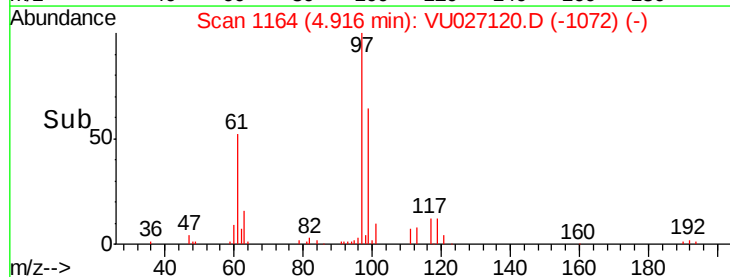
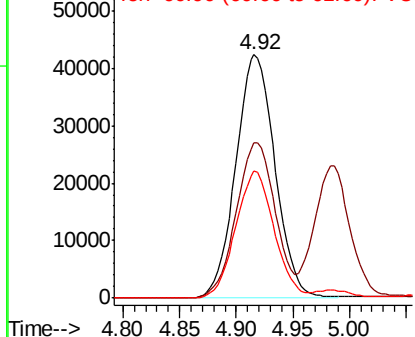


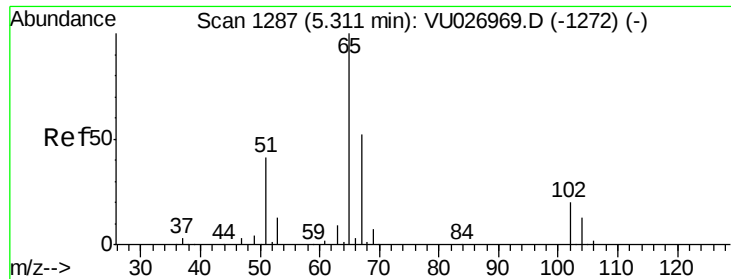
#32
1,1,1-Trichloroethane
Concen: 53.224 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	51.3	41.1	61.7



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





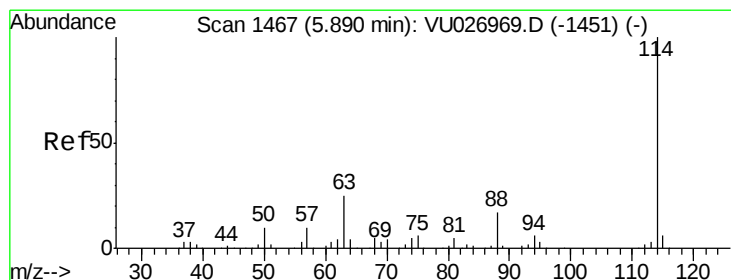
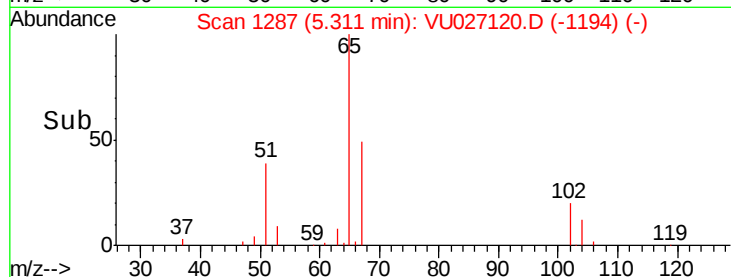
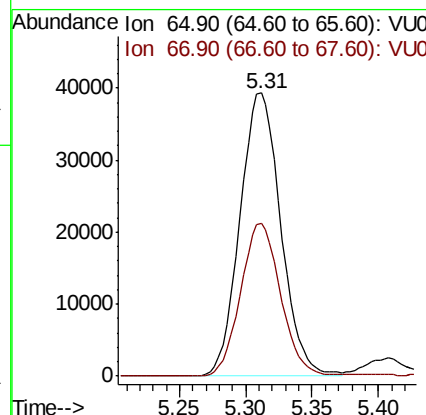
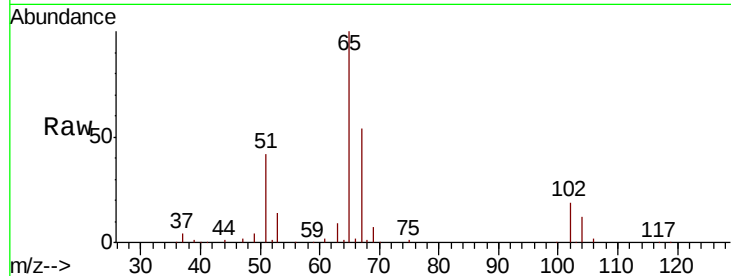
#33
 1,2-Dichloroethane-d4
 Concen: 53.339 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.6

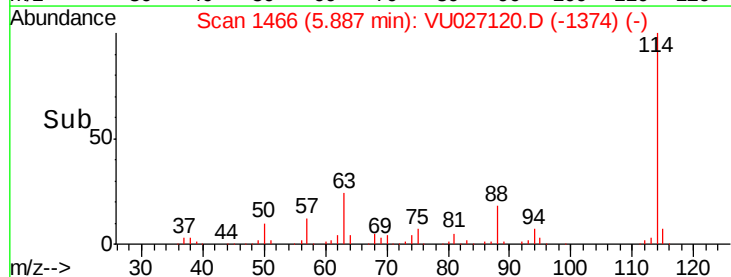
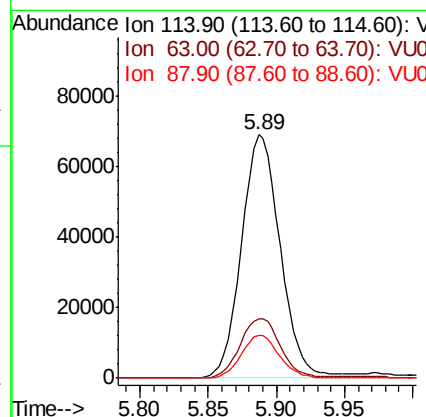
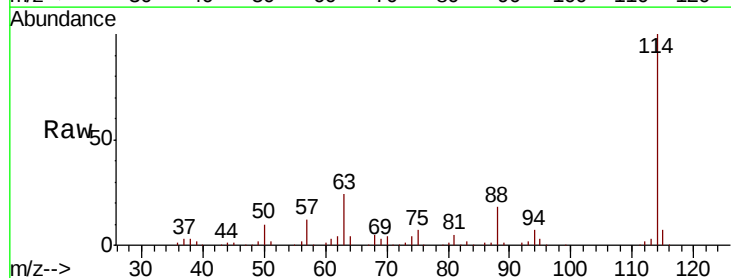
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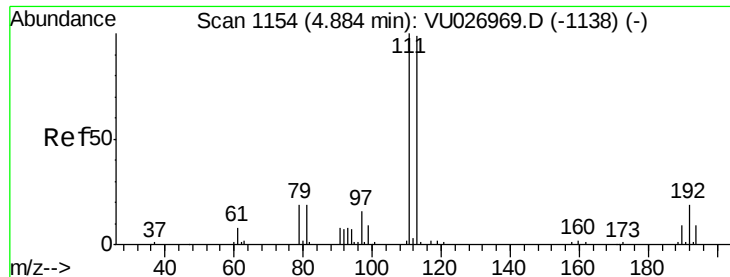
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 9/25/2018 11:34:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.7	0.0	33.8





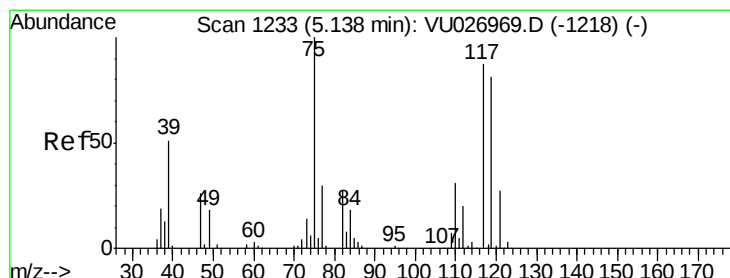
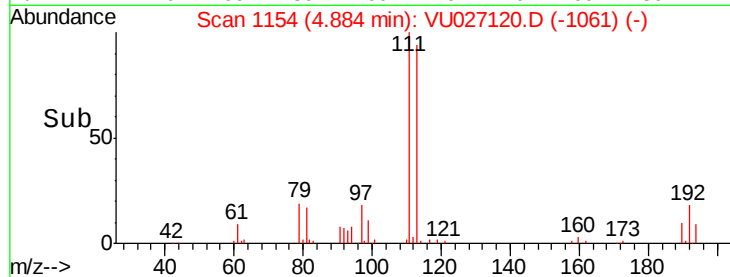
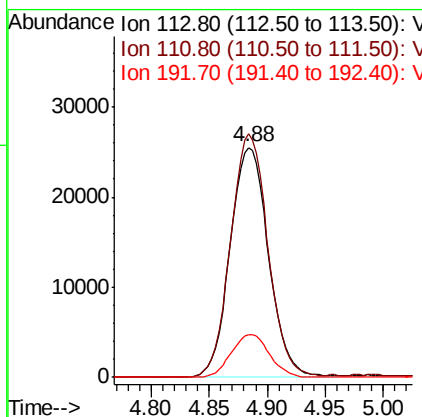
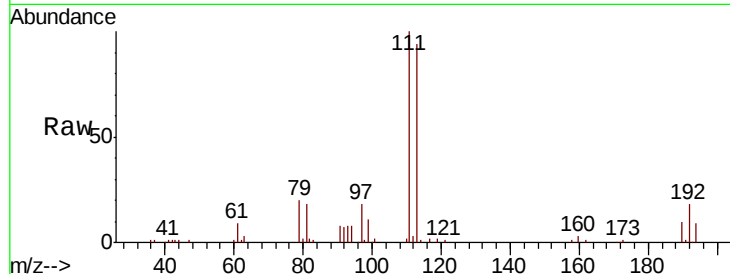
#35
 Dibromofluoromethane
 Concen: 49.816 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	18.4	15.2	22.8

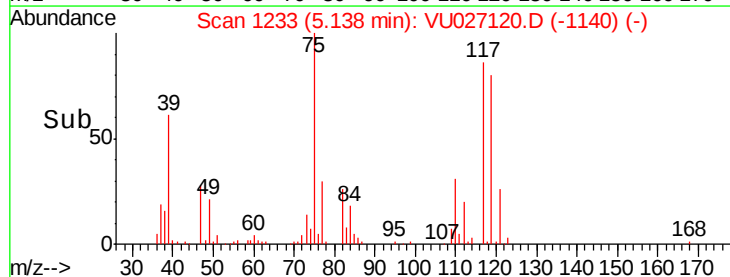
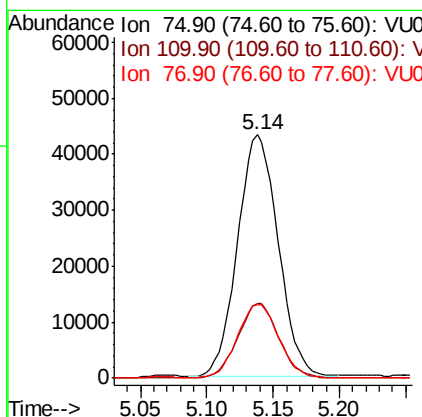
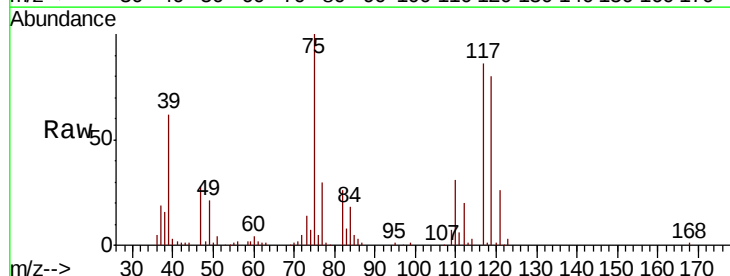
Manual Integrations
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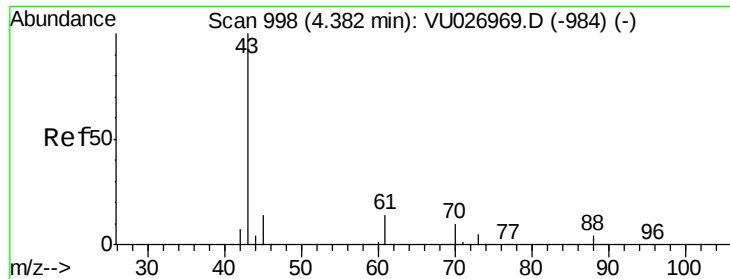
MMDadoda
 9/25/2018 11:34:15 AM



#36
 1,1-Dichloropropene
 Concen: 51.017 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	30.3	24.6	36.8





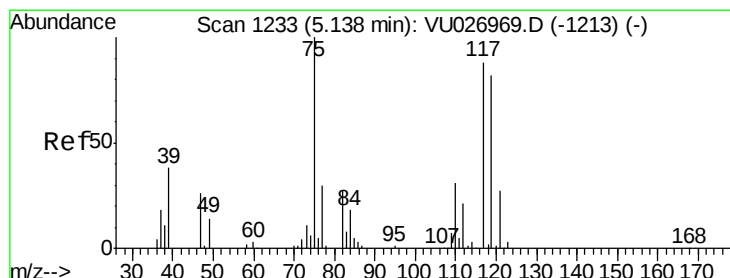
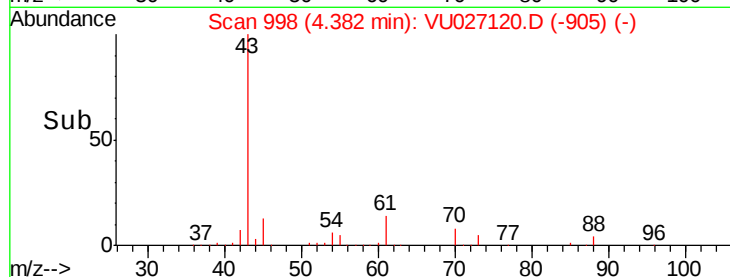
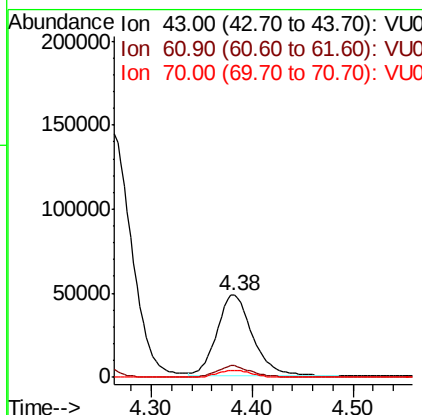
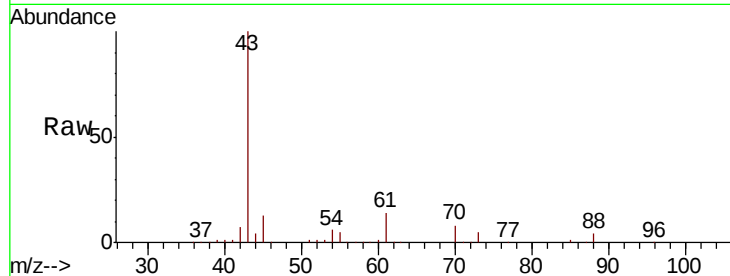
#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	8.5	7.4	11.0

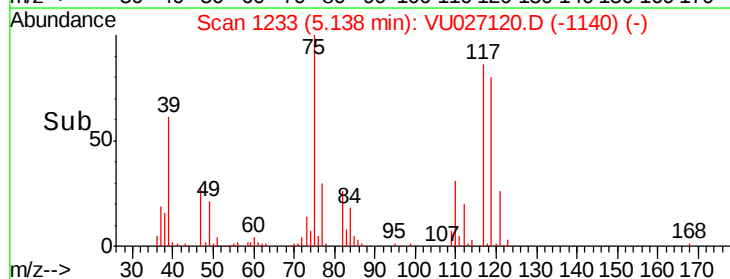
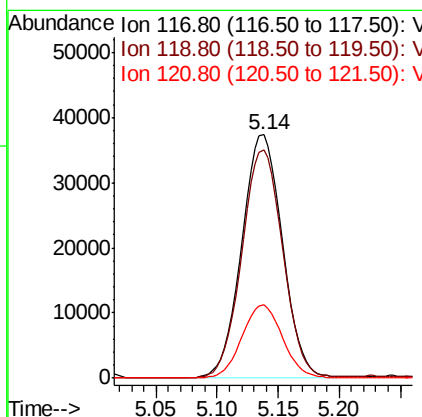
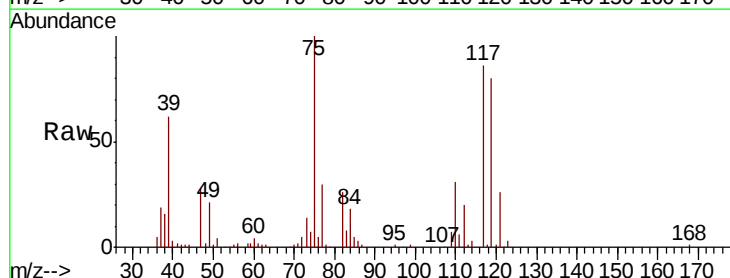
Manual Integrations
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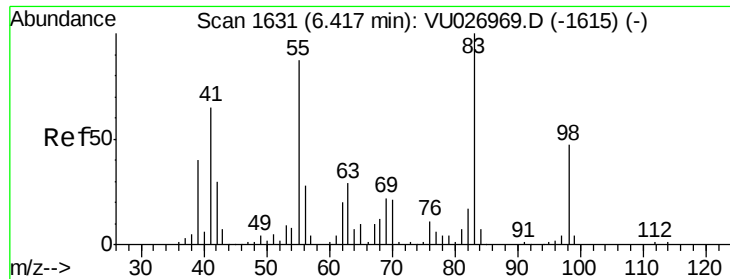
MMDadoda
9/25/2018 11:34:15 AM



#38
Carbon Tetrachloride
Concen: 49.833 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.4	111.6
121	30.1	24.2	36.4





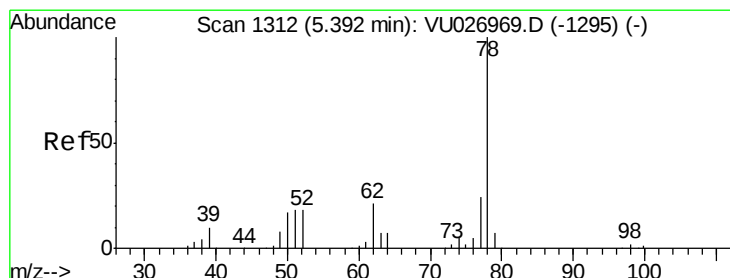
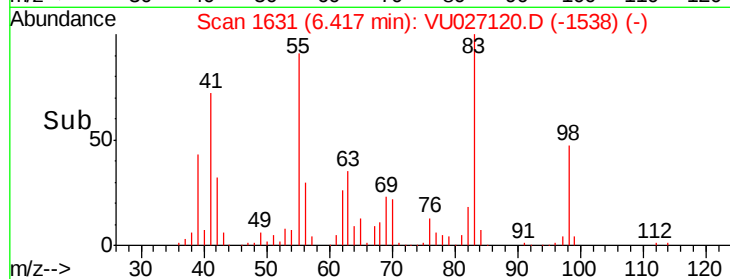
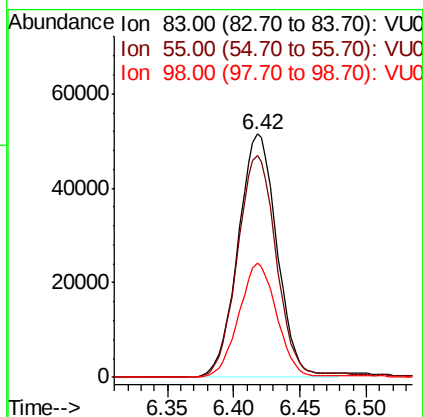
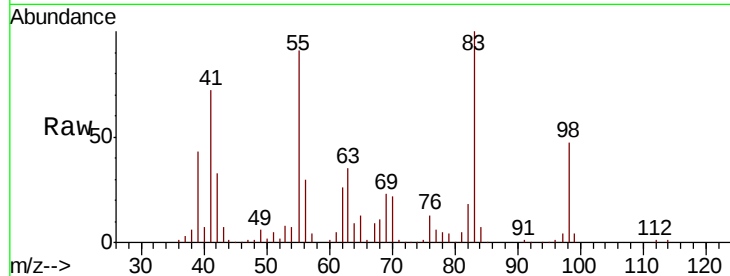
#39
Methvlcvclohexane
Concen: 53.313 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	83.00	Resp	105214
Ion Ratio	Lower	Upper	
83	100		
55	90.9	69.9	104.9
98	46.8	37.5	56.3

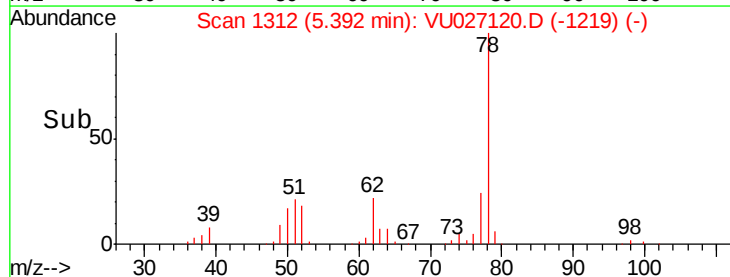
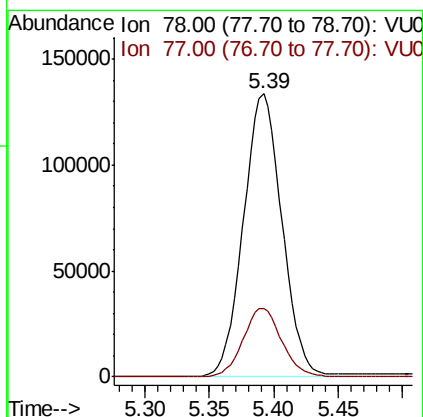
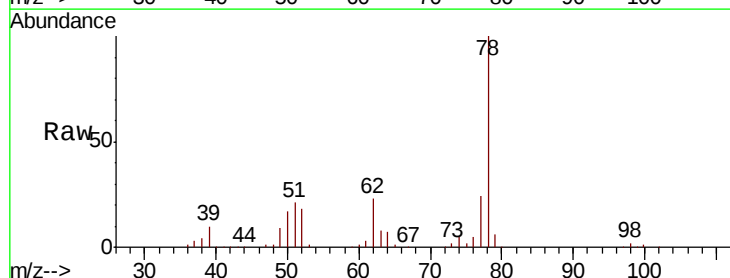
Manual Integrations
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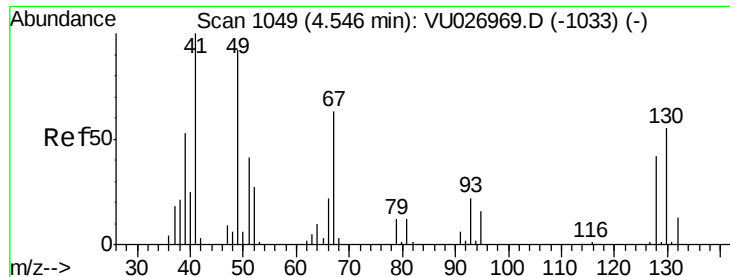
MMDadoda
9/25/2018 11:34:15 AM



#40
Benzene
Concen: 50.599 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	78.00	Resp	279343
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.4	29.0





#41

Methacrylonitrile

Concen: 58.627 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU027120.D

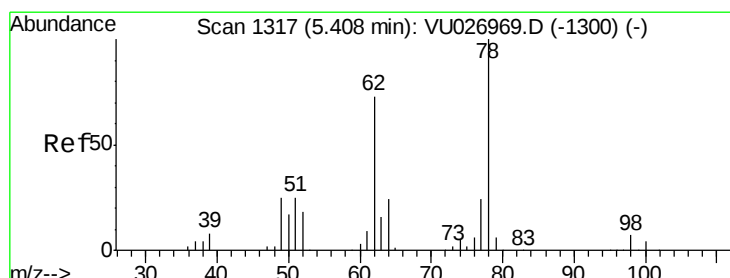
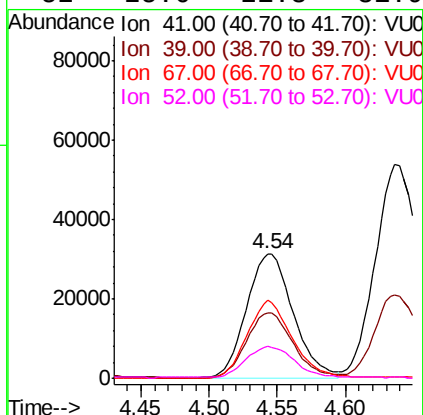
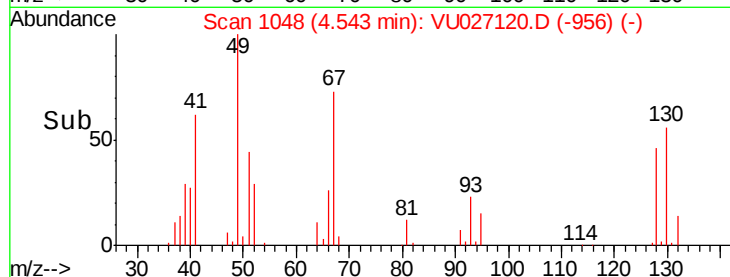
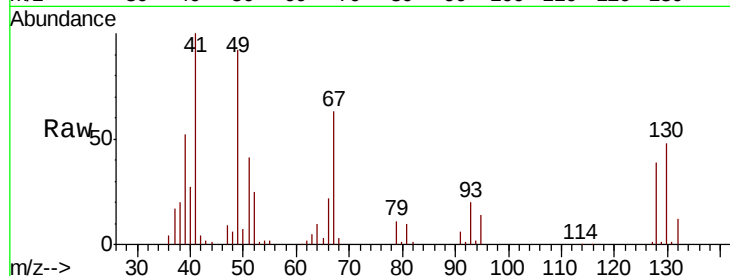
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.9	64.3	
67	60.7	52.4	78.6	
52	25.6	21.3	31.9	

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#42

1,2-Dichloroethane

Concen: 51.966 ug/l

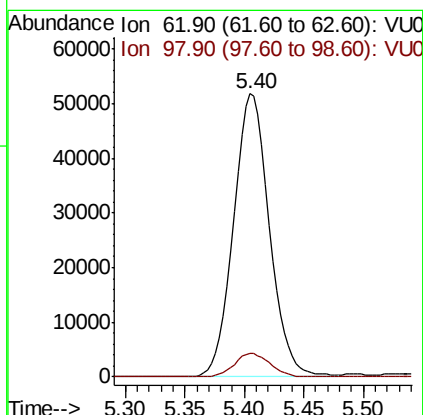
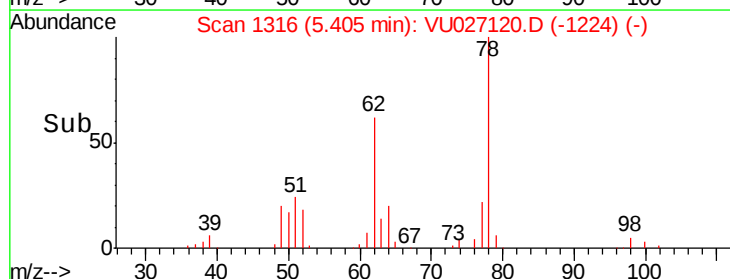
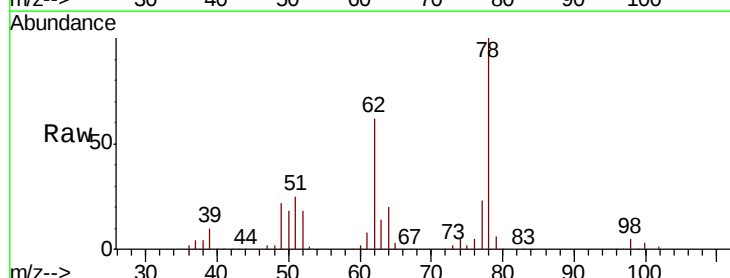
RT: 5.40 min Scan# 1316

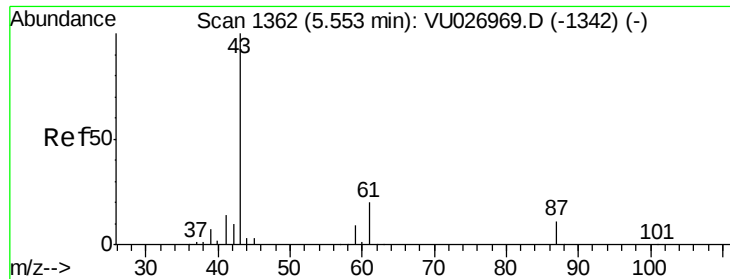
Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





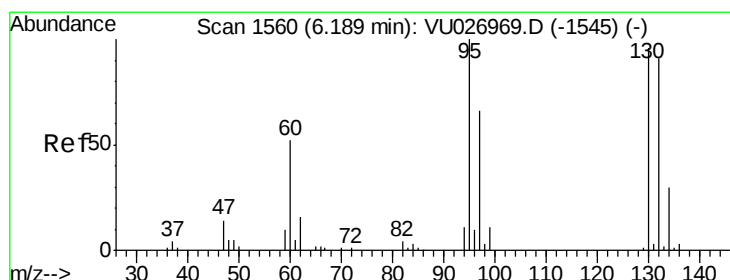
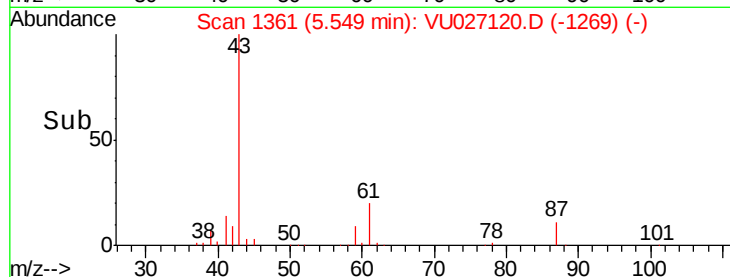
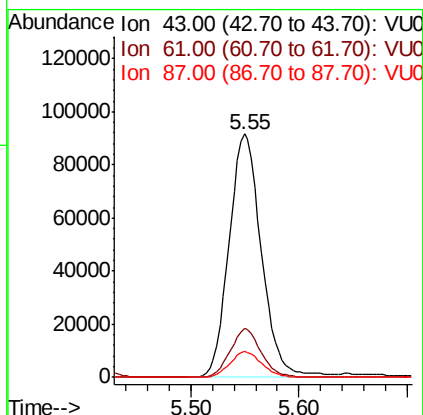
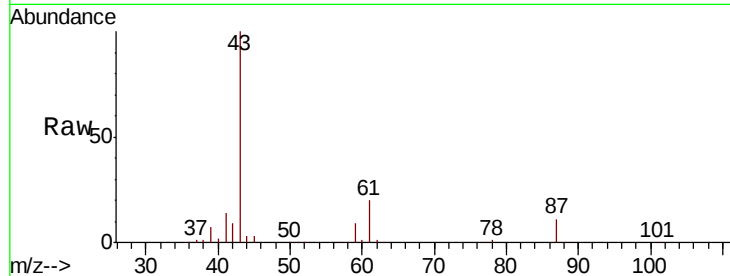
#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	43	Resp	191256
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.7	23.5
87	10.4	9.0	13.4

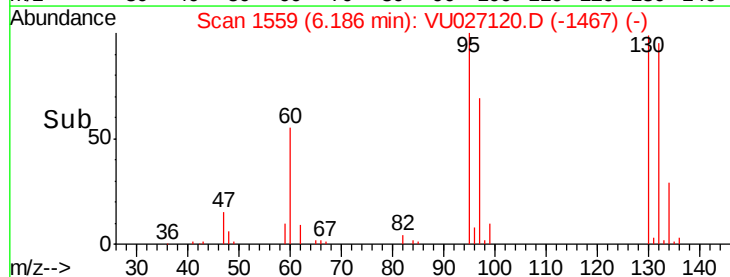
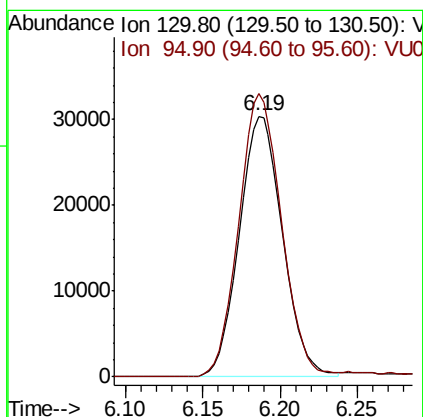
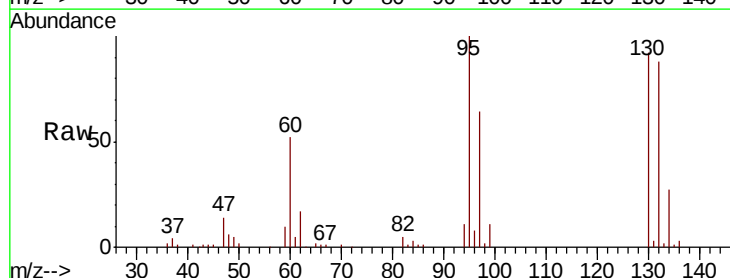
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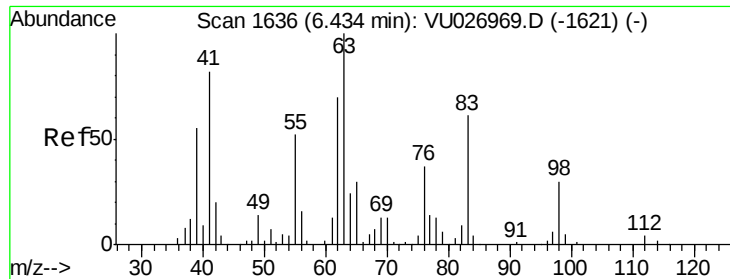
MMDadoda
9/25/2018 11:34:15 AM



#44
Trichloroethene
Concen: 50.340 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	130	Resp	59165
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	208.8





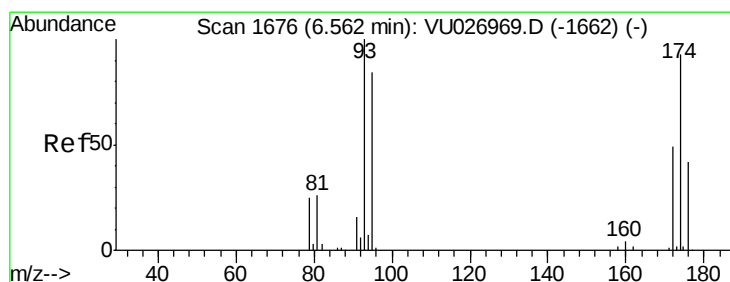
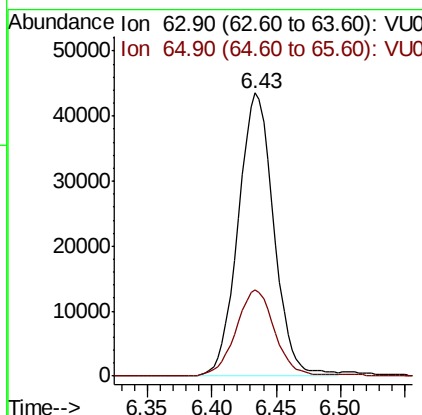
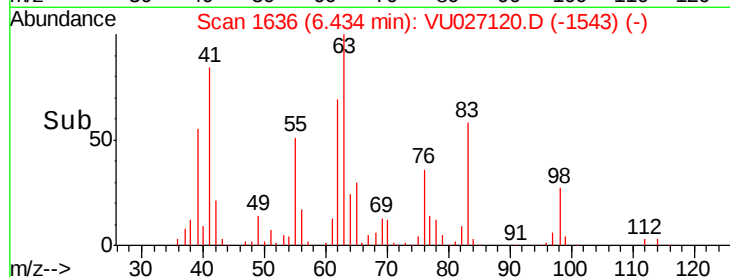
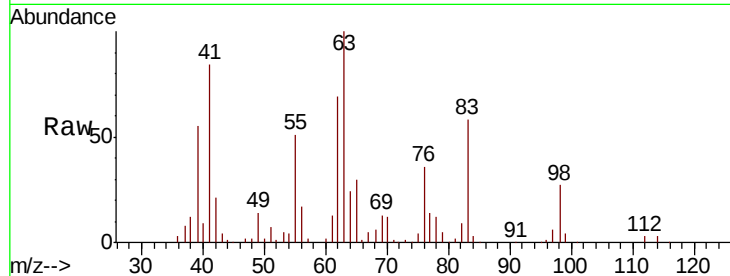
#45
 1,2-Dichloropropane
 Concen: 53.313 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

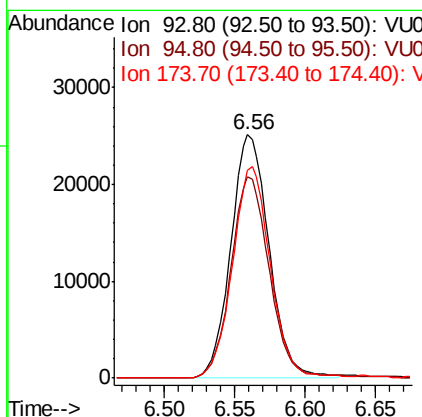
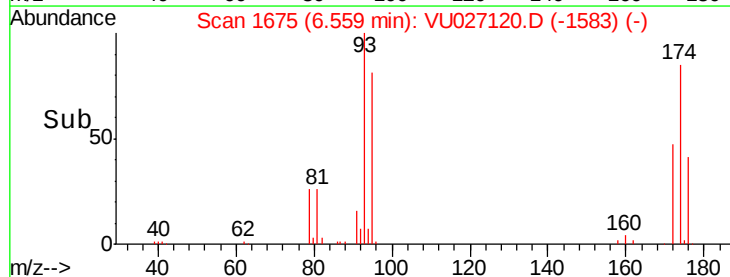
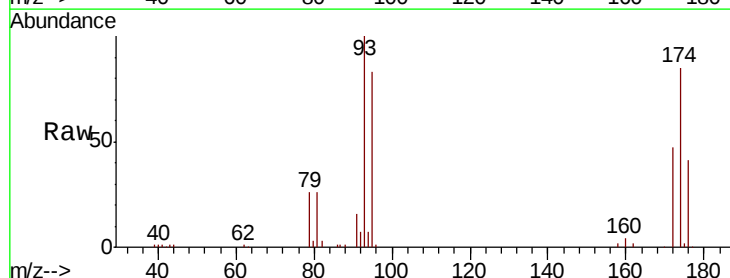
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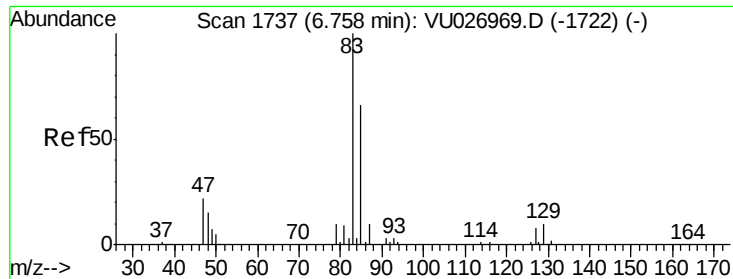
MMDadoda
 9/25/2018 11:34:15 AM



#46
 Dibromomethane
 Concen: 50.310 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.2	99.4
174	86.2	71.7	107.5





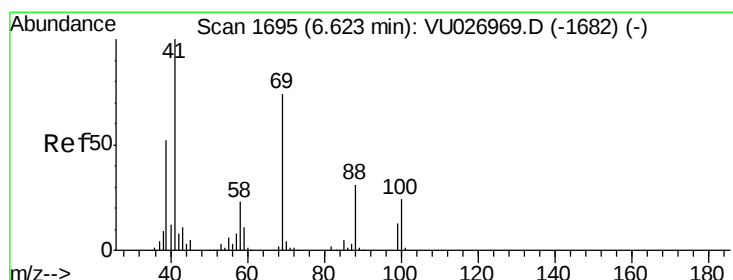
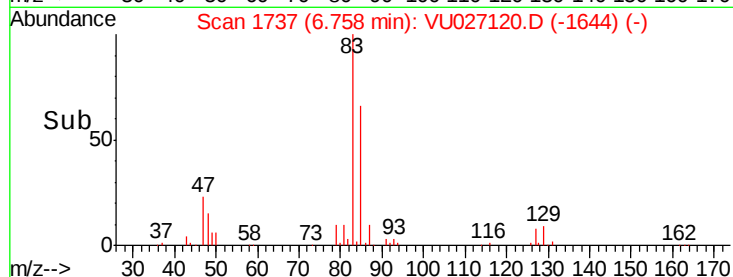
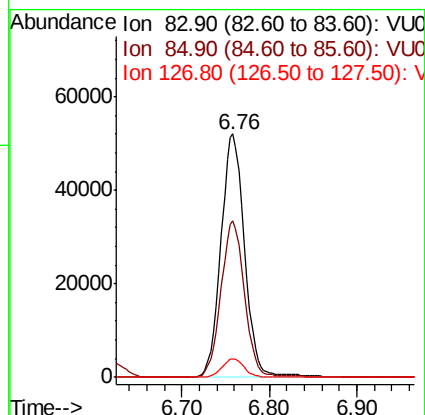
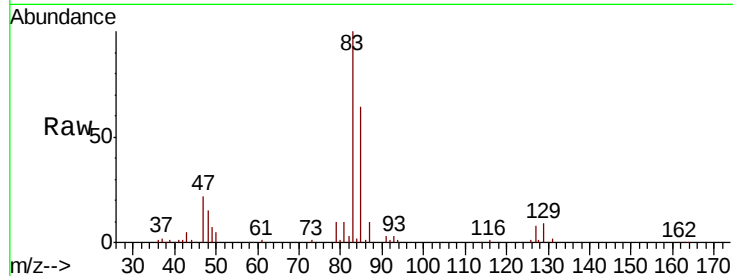
#47
Bromodichloromethane
Concen: 50.965 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	83	Resp	97905
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.5	78.7
127	7.6	6.3	9.5

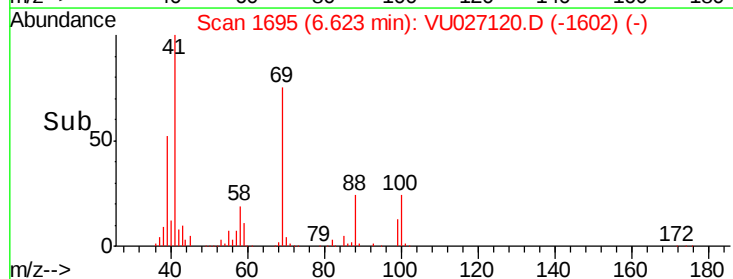
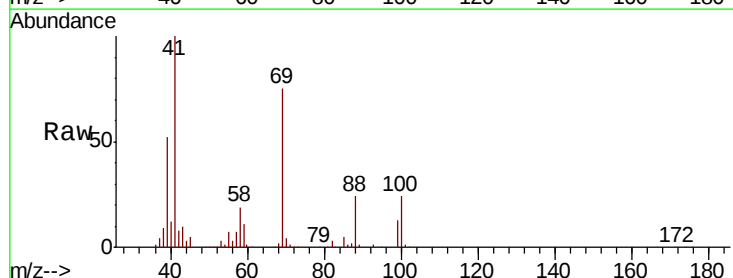
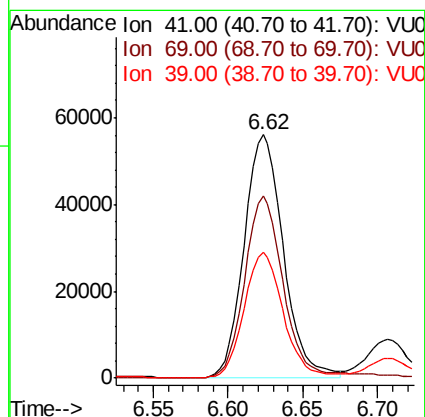
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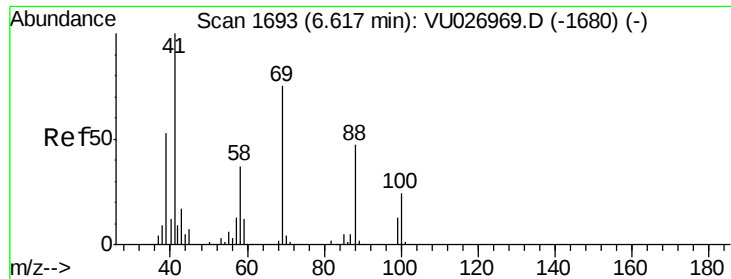
MMDadoda
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#48
Methyl methacrylate
Concen: 52.321 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	41	Resp	102193
Ion Ratio	100	Lower	Upper
41	100		
69	76.1	60.6	90.8
39	51.6	42.8	64.2





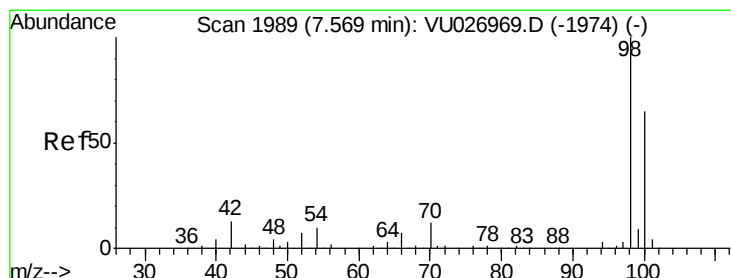
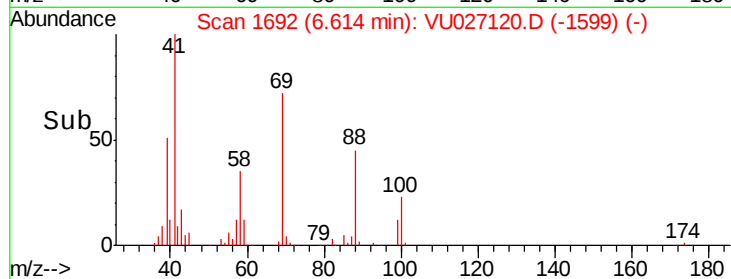
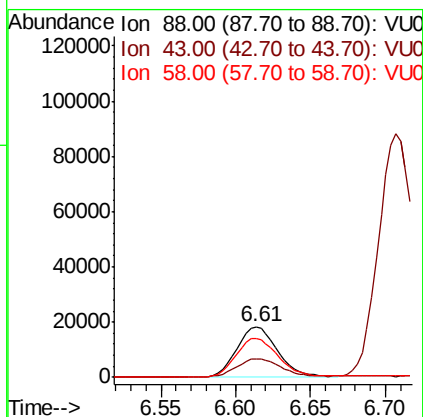
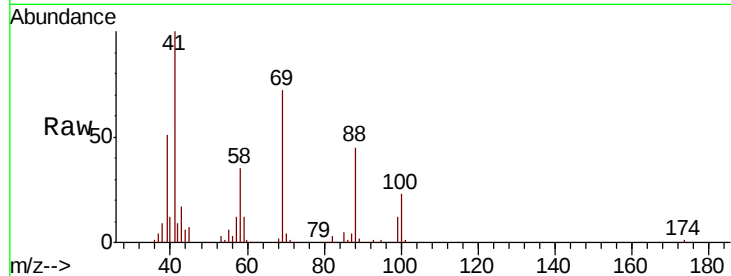
#49
1,4-Dioxane
Concen: 906.057 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	29.8	44.8
58	80.4	63.9	95.9

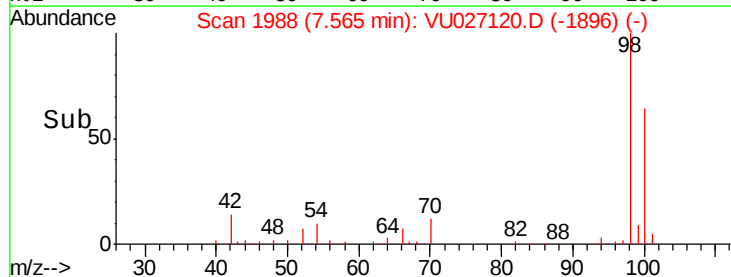
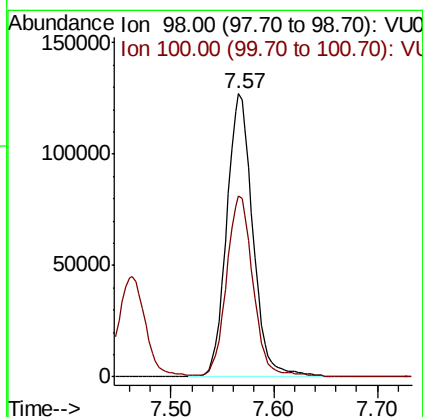
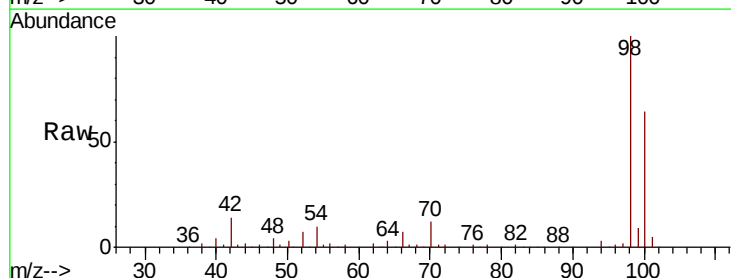
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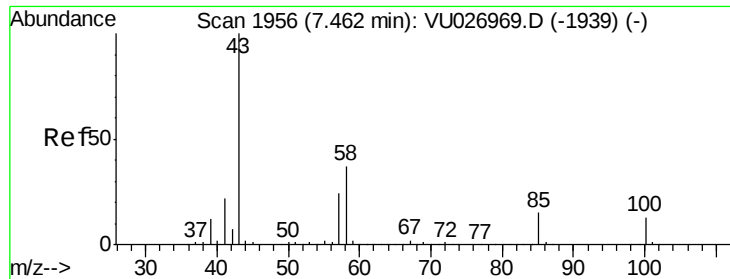
MMDadoda
9/25/2018 11:34:15 AM



#50
Toluene-d8
Concen: 50.134 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 285.054 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 43 Resp: 687363

Ion Ratio Lower Upper

43 100

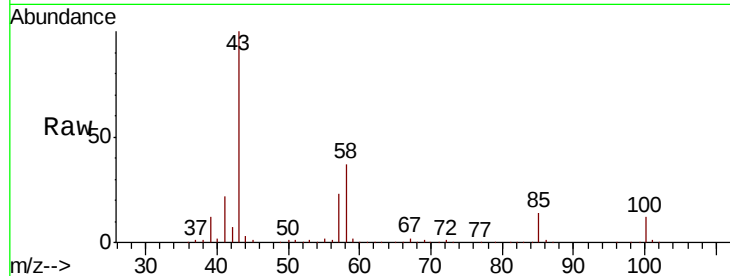
58 36.8 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

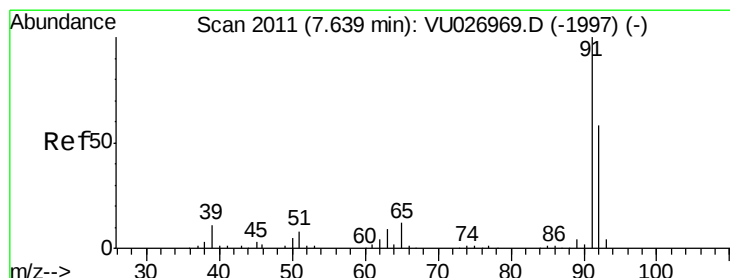
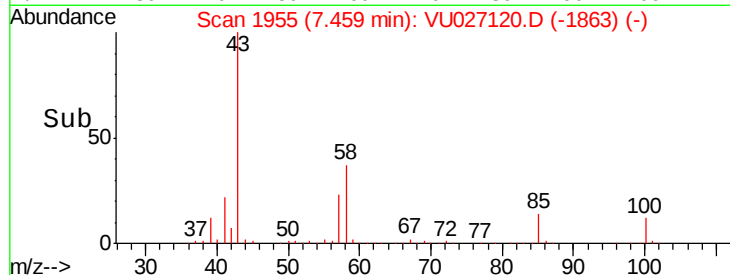
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.672 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027120.D

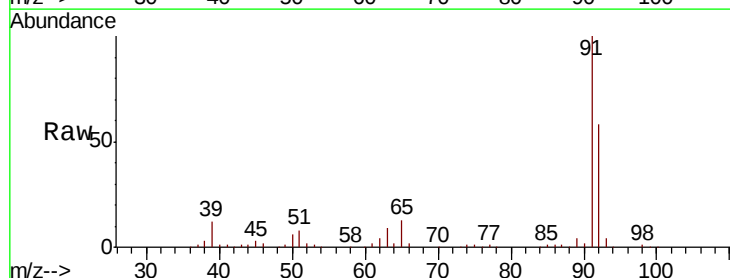
Acq: 24 Sep 2018 19:37

Tgt Ion: 92 Resp: 166679

Ion Ratio Lower Upper

92 100

91 173.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

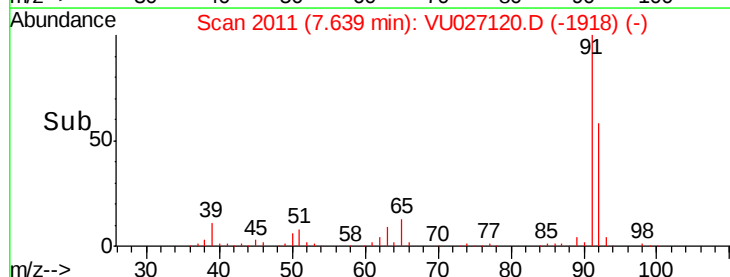
150000

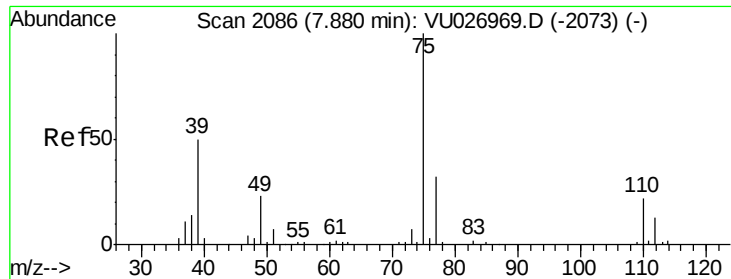
100000

50000

0

Time-->





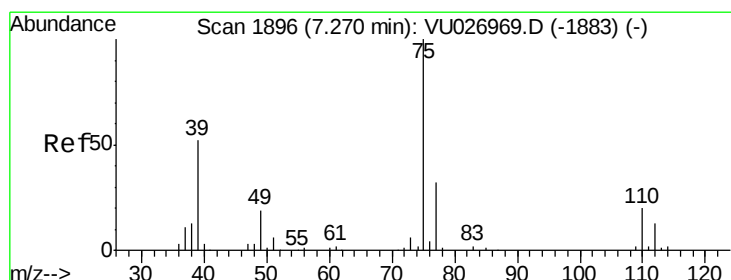
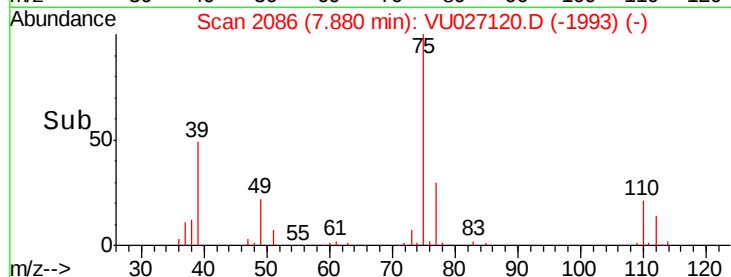
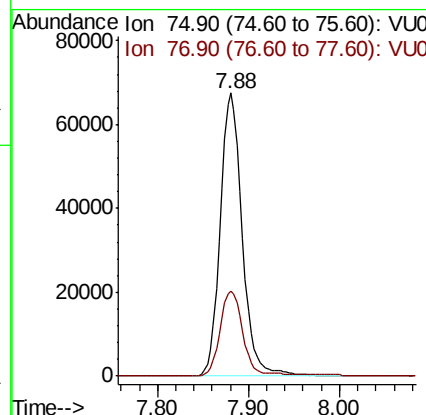
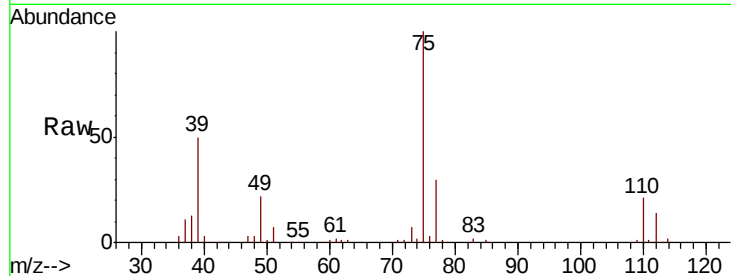
#53
t-1,3-Dichloropropene
Concen: 54.902 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	113316		
77	30.2	25.3	37.9	

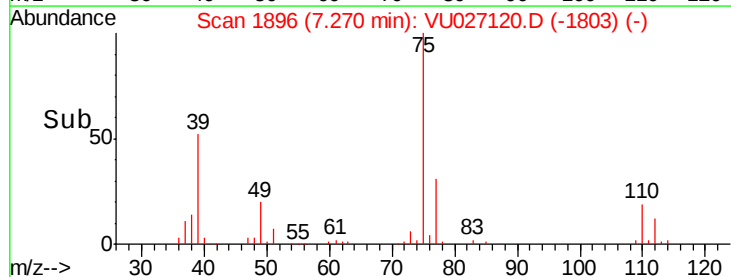
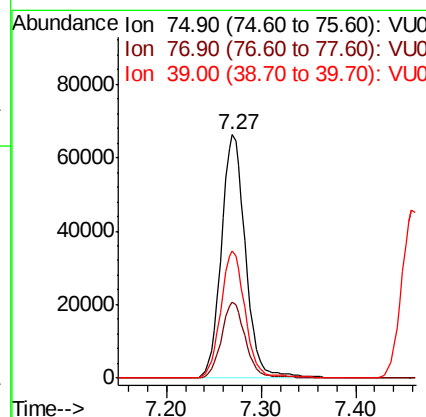
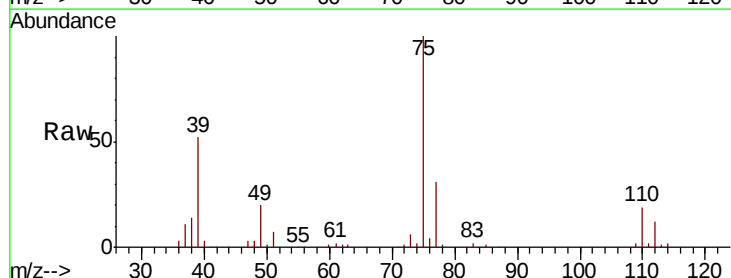
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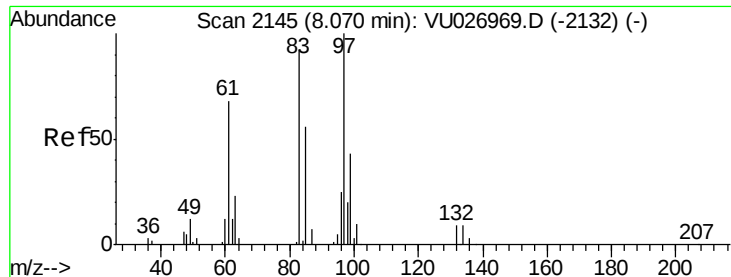
MMDadoda
9/25/2018 11:34:15 AM



#54
cis-1,3-Dichloropropene
Concen: 51.784 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117518		
77	31.2	25.4	38.0	
39	52.3	41.6	62.4	





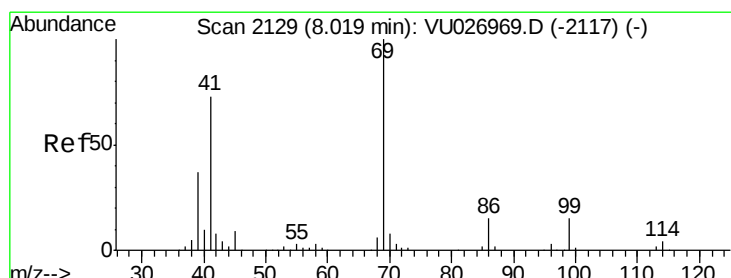
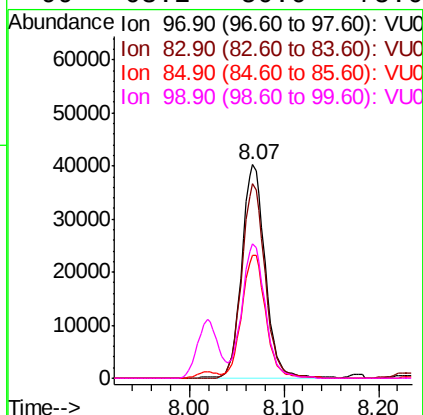
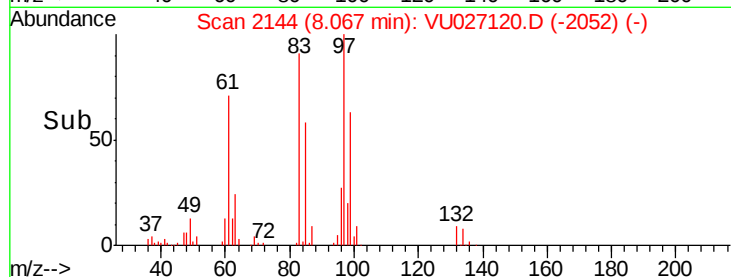
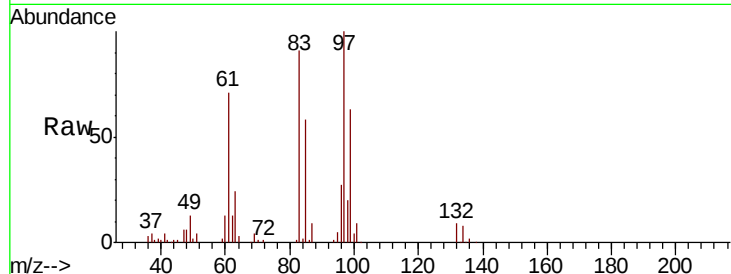
#55
 1,1,2-Trichloroethane
 Concen: 51.608 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion:	97	Resp:	69199
Ion	Ratio	Lower	Upper
97	100		
83	90.9	73.1	109.7
85	57.7	46.7	70.1
99	63.2	50.0	75.0

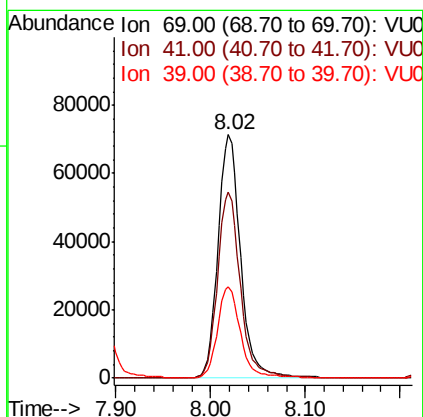
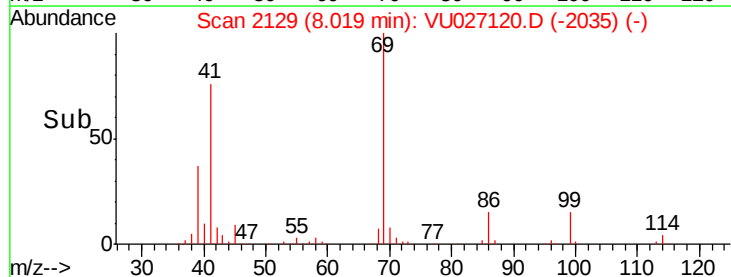
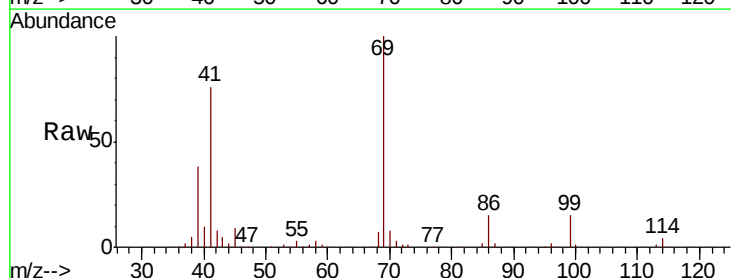
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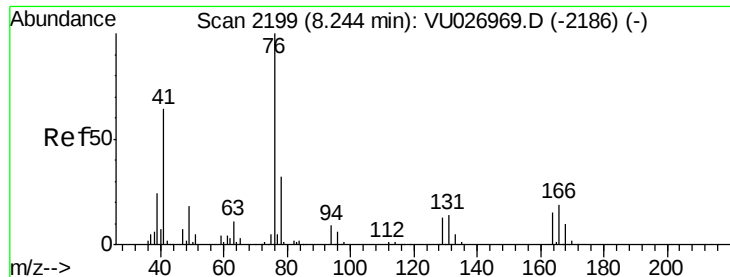
MMDadoda
 9/25/2018 11:34:15 AM



#56
 Ethyl methacrylate
 Concen: 50.805 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:	69	Resp:	118286
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.0	88.4
39	37.7	30.2	45.4





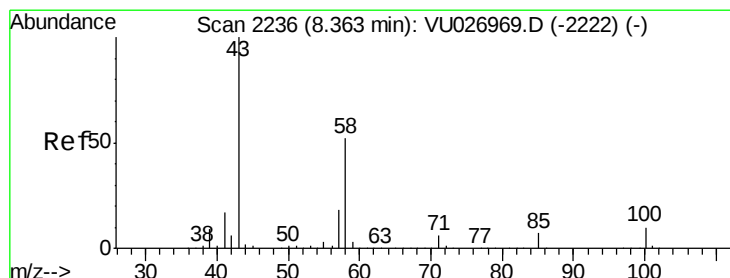
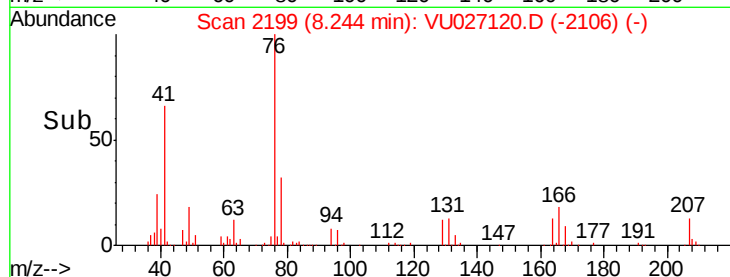
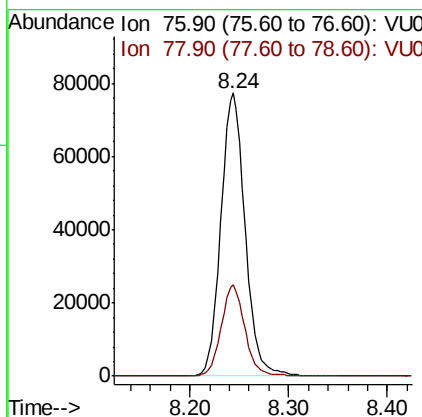
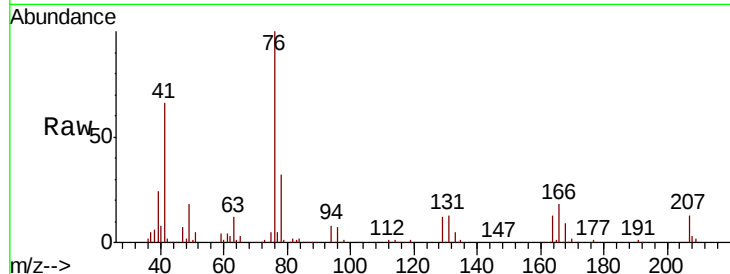
#57
 1,3-Dichloropropane
 Concen: 53.483 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

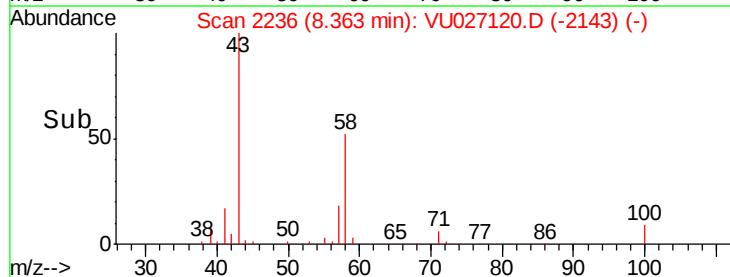
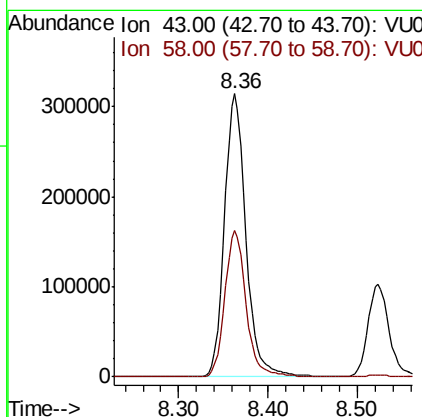
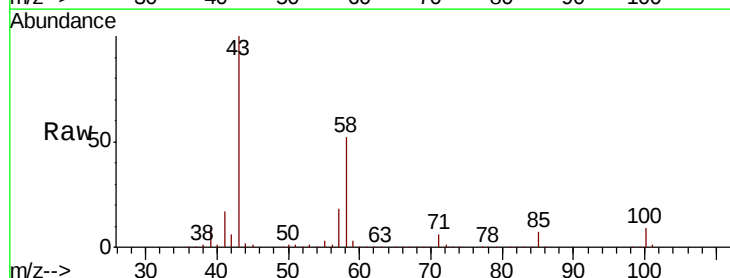
Manual Integrations
 APPROVED

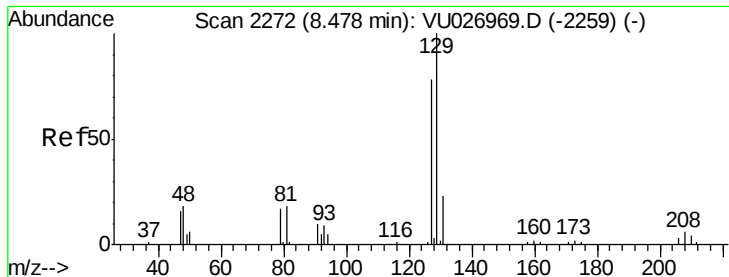
MMDadoda
 9/25/2018 11:34:15 AM



#59
 2-Hexanone
 Concen: 277.114 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2





#60

Dibromochloromethane

Concen: 51.917 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:129 Resp: 68284

Ion Ratio Lower Upper

129 100

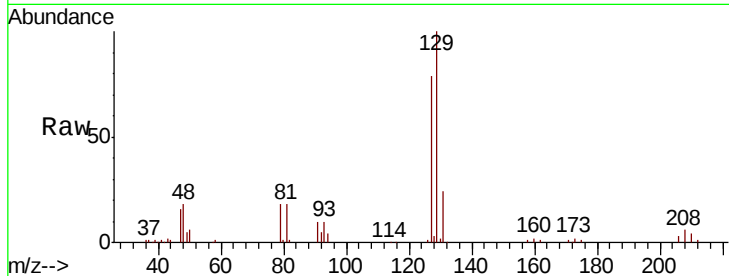
127 78.0 38.1 114.5

Manual Integrations

APPROVED

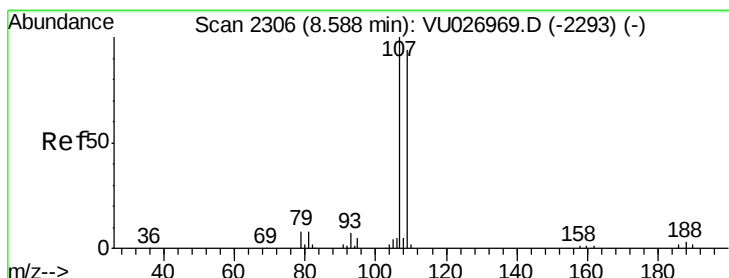
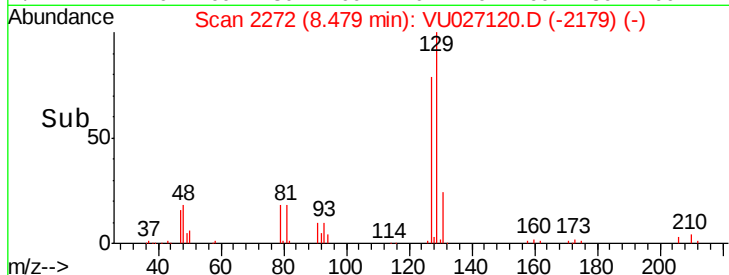
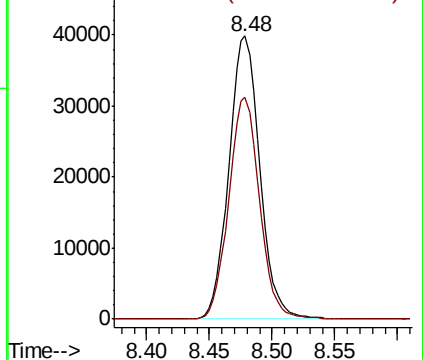
MMDadoda

9/25/2018 11:34:15 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.114 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027120.D

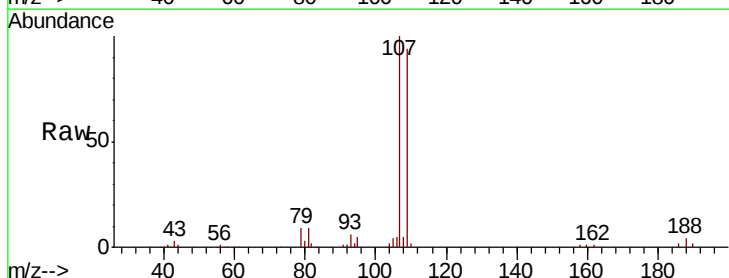
Acq: 24 Sep 2018 19:37

Tgt Ion:107 Resp: 71311

Ion Ratio Lower Upper

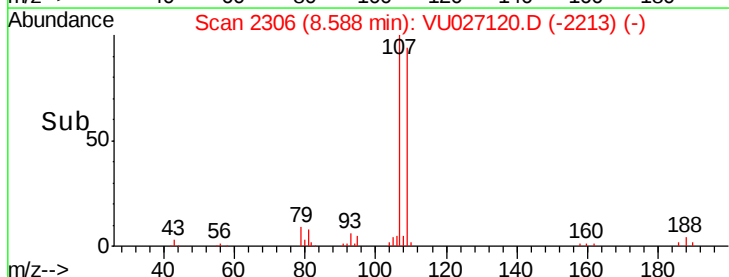
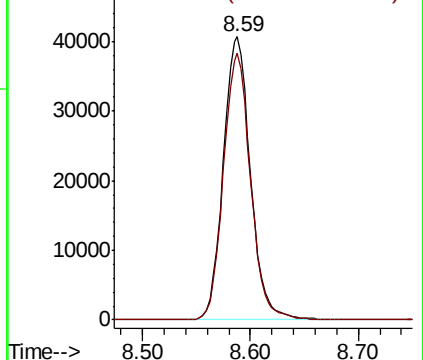
107 100

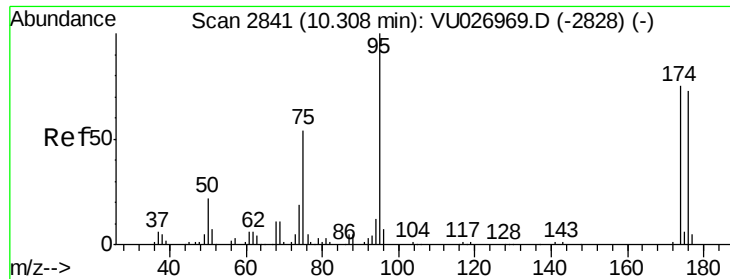
109 93.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





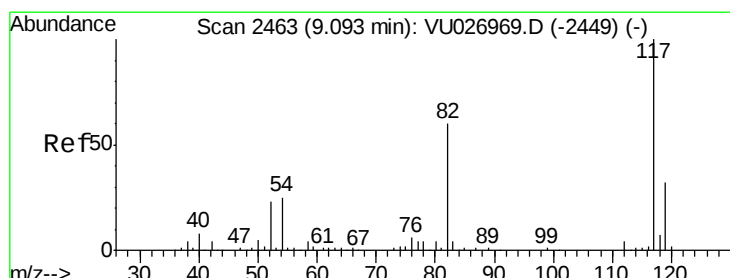
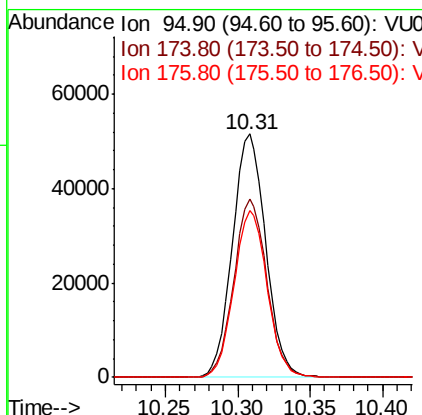
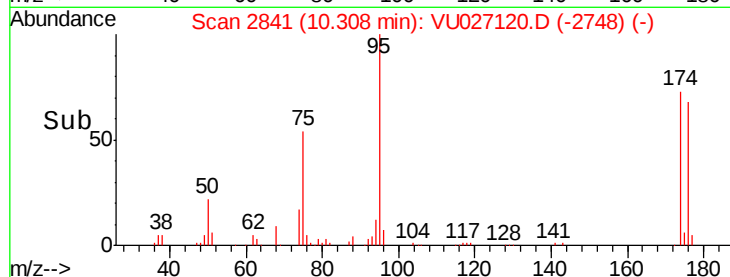
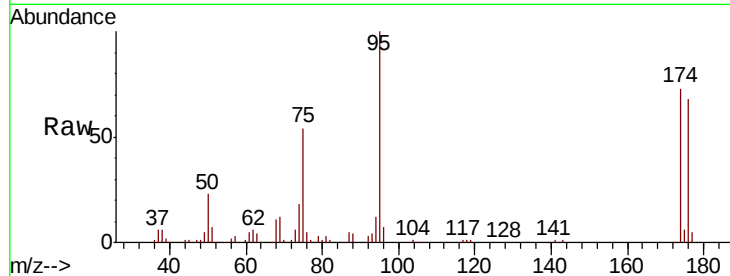
#62
4-Bromofluorobenzene
Concen: 53.360 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	150.2
176	68.1	0.0	145.2

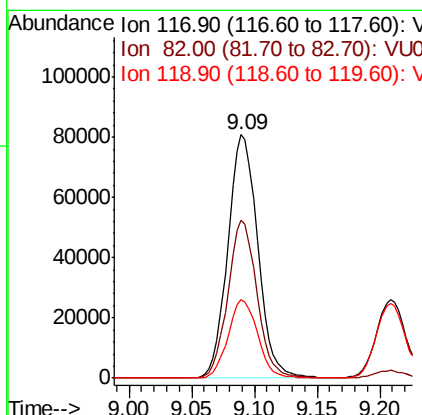
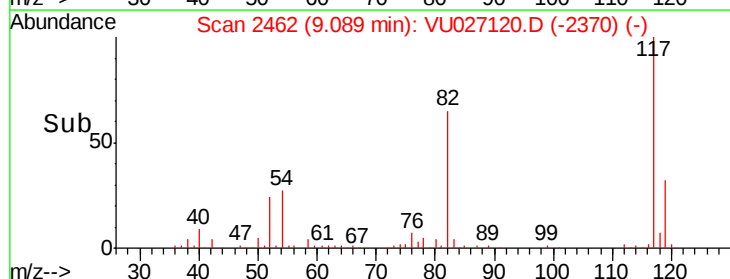
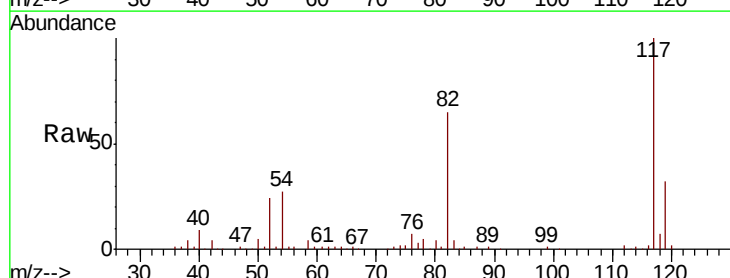
Manual Integrations
APPROVED

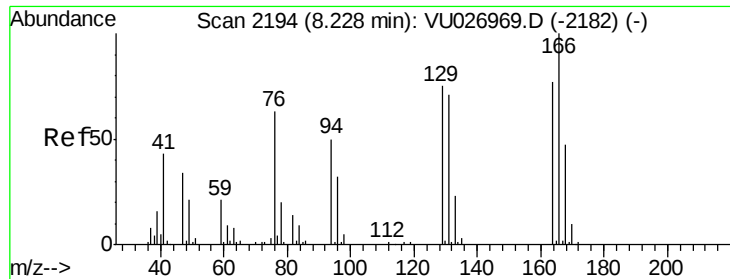
MMDadoda
9/25/2018 11:34:15 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.9	48.0	72.0
119	32.1	25.8	38.8





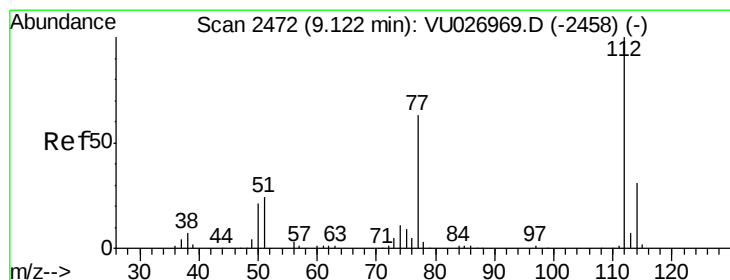
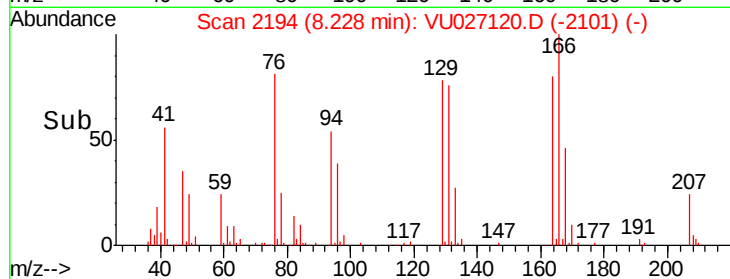
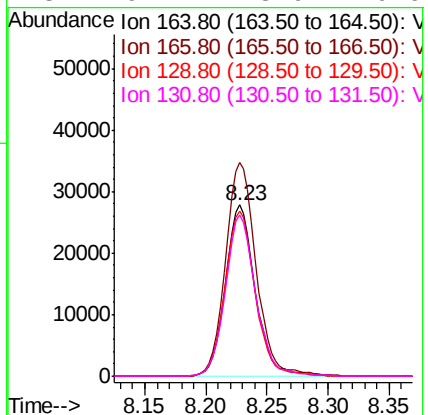
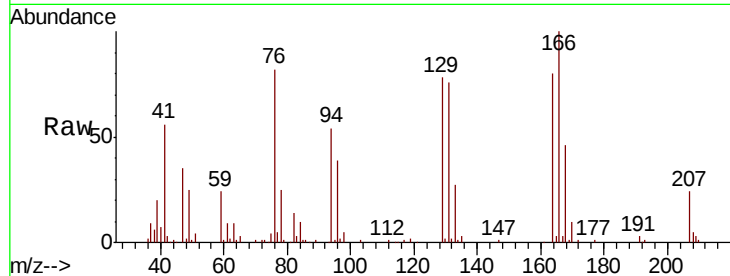
#64
Tetrachloroethene
Concen: 46.092 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.6	104.4	156.6
129	96.7	78.7	118.1
131	94.4	73.9	110.9

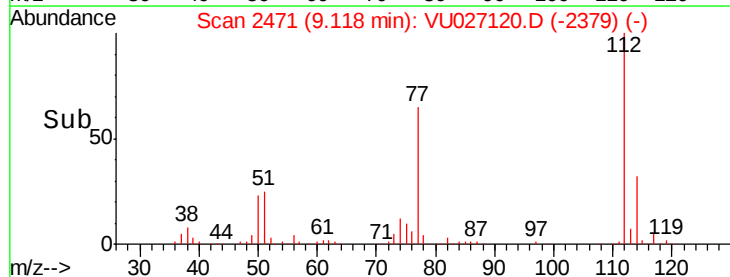
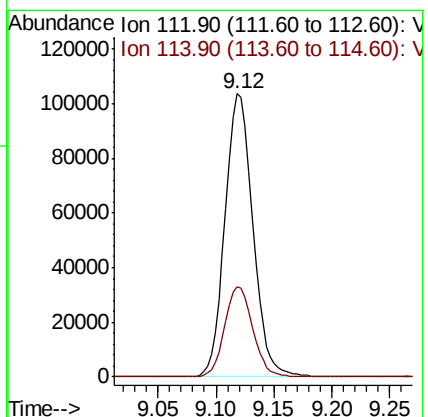
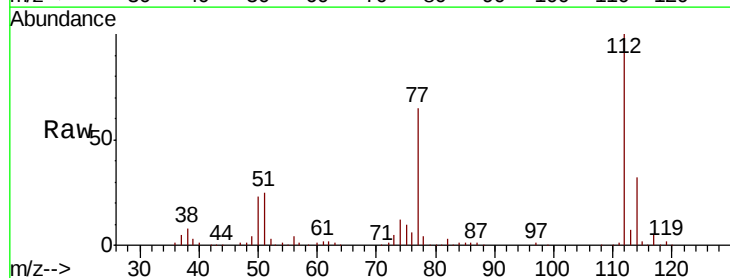
Manual Integrations
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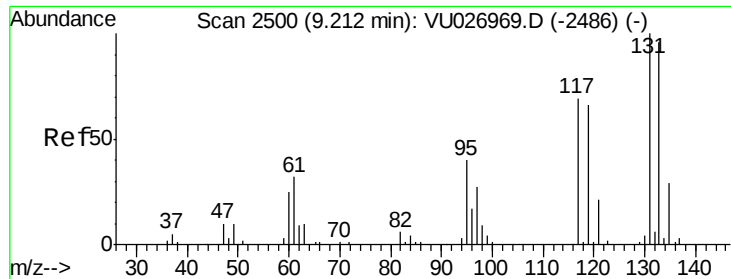
MMDadoda
9/25/2018 11:34:15 AM



#65
Chlorobenzene
Concen: 48.280 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 50.704 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

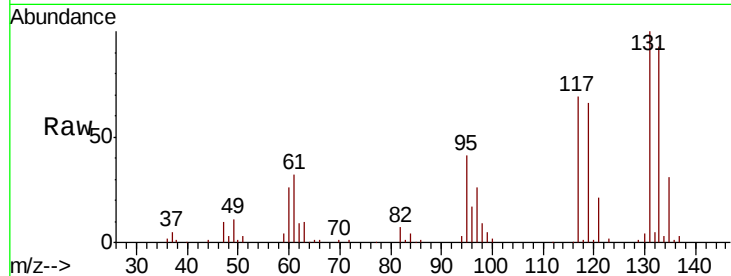
ClientSampleId :

SA-PZ182I-20180916MSD

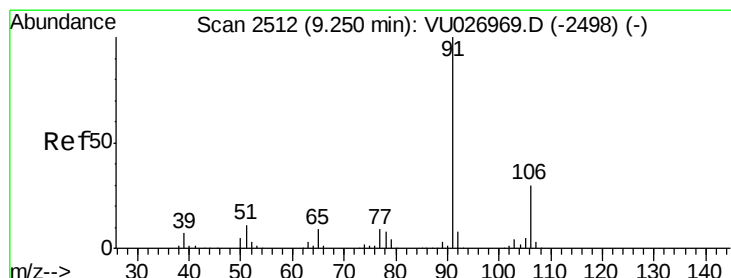
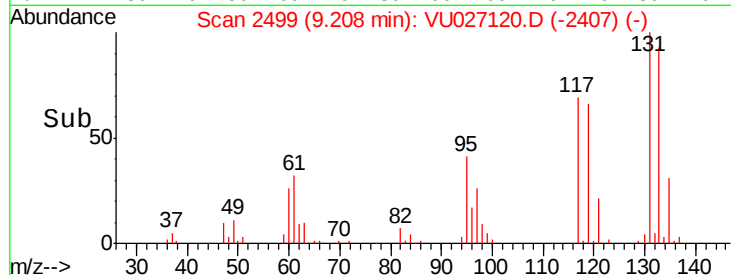
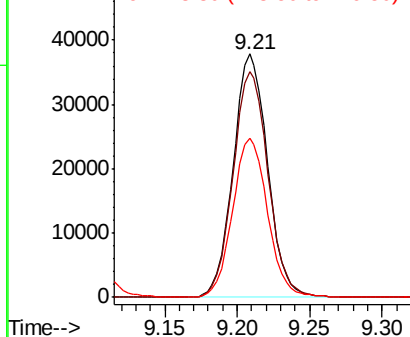
Tot Ion:	131	Resp:	62340
Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.0	144.2
119	66.5	33.4	100.1

Manual Integrations
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 54.098 ug/l

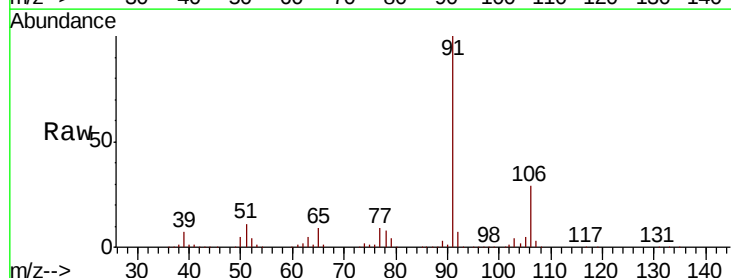
RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

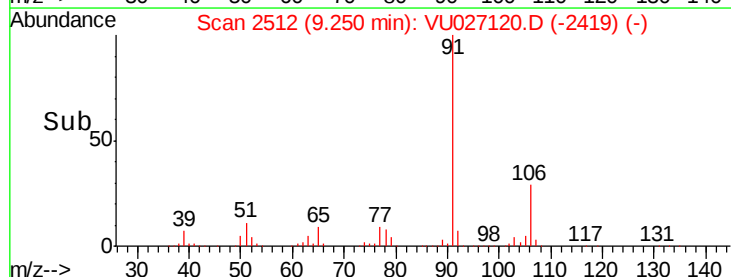
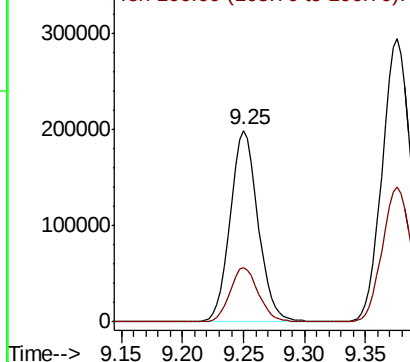
Lab File: VU027120.D

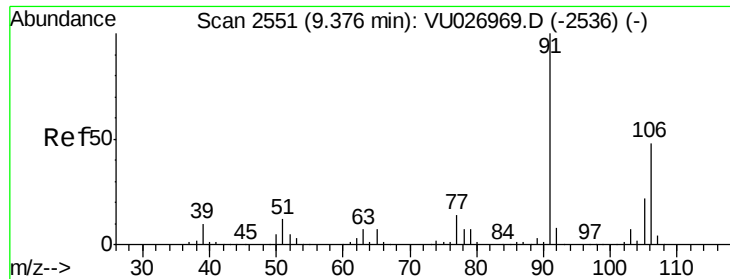
Acq: 24 Sep 2018 19:37

Tgt Ion:	91	Resp:	317539
Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.8	35.8



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





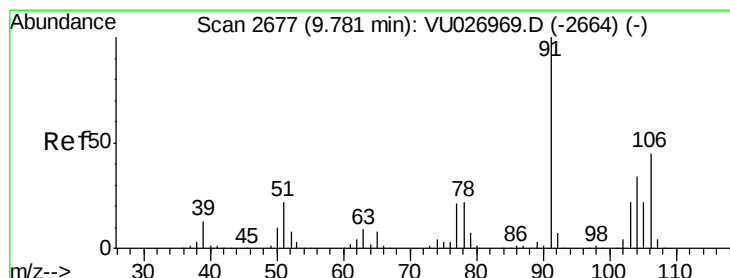
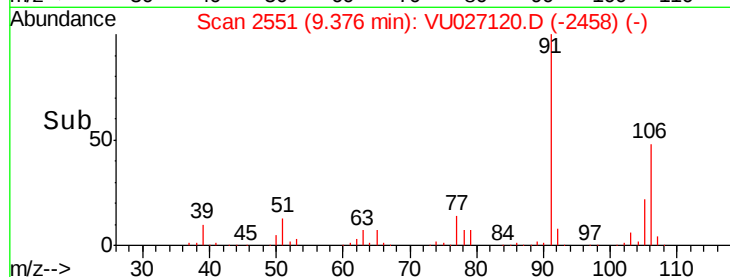
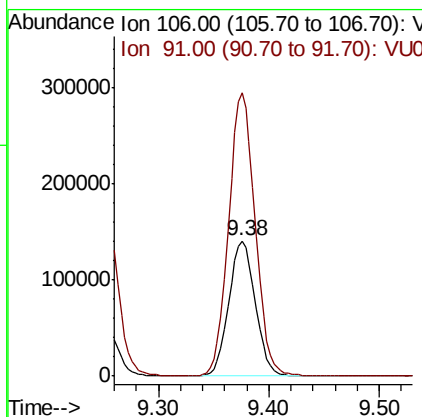
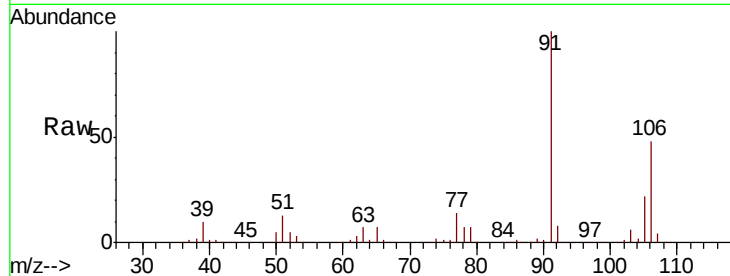
#68
m/p-Xylenes
Concen: 98.592 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion:106 Resp: 234318
Ion Ratio Lower Upper
106 100
91 209.4 166.5 249.7

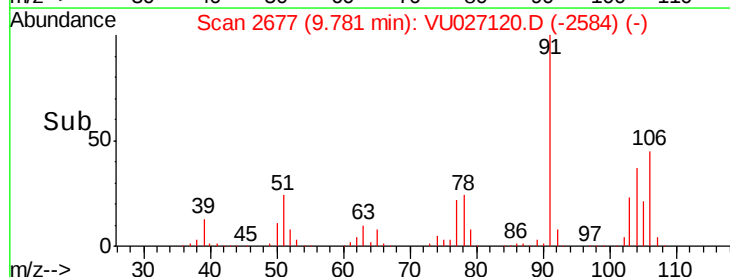
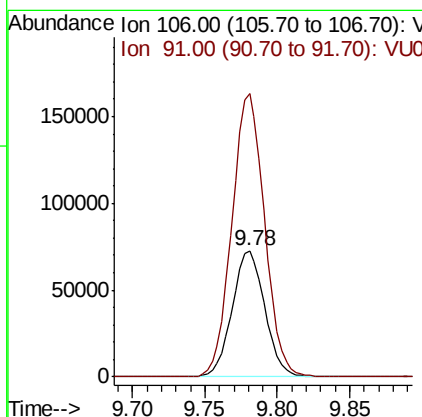
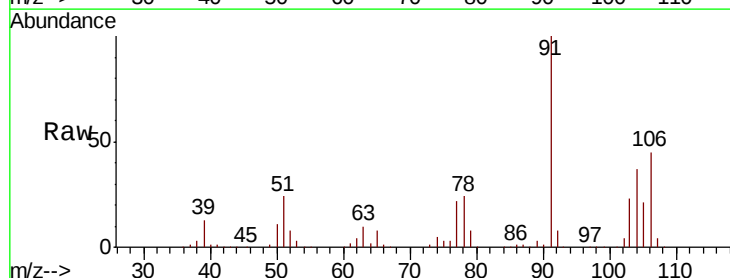
Manual Integrations
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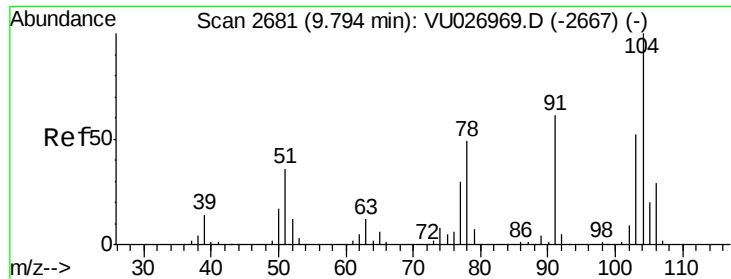
MMDadoda
9/25/2018 11:34:15 AM



#69
o-Xylene
Concen: 54.528 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:106 Resp: 113404
Ion Ratio Lower Upper
106 100
91 225.6 110.2 330.6





#70

Stvrene

Concen: 48.471 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

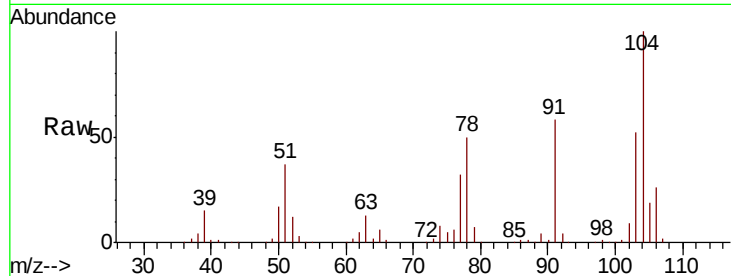
ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:	104	Resp:	188001
Ion Ratio	Lower	Upper	
104	100		
78	54.6	43.0	64.4
103	55.4	44.1	66.1

Manual Integrations
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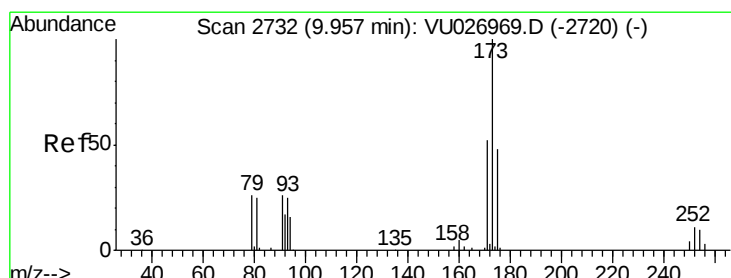
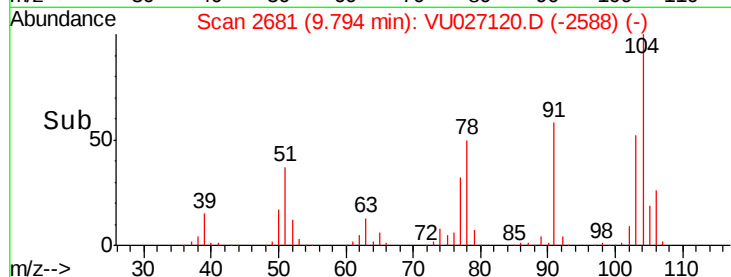
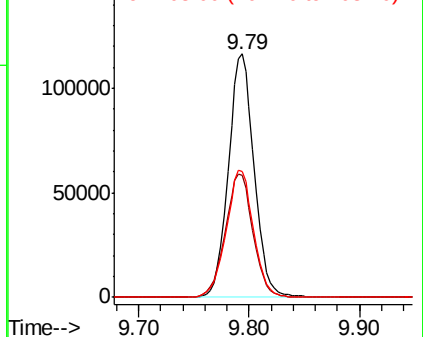


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.986 ug/l

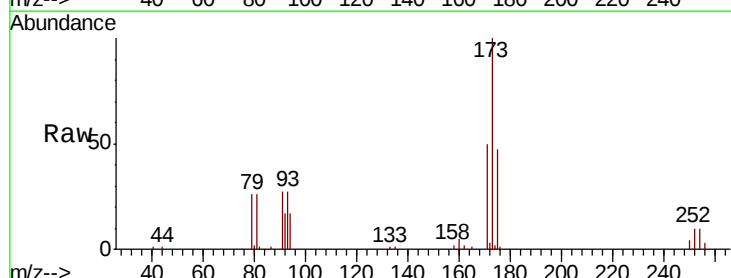
RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion:	173	Resp:	49427
Ion Ratio	Lower	Upper	
173	100		
175	48.1	23.9	71.8
254	0.0	0.0	0.0

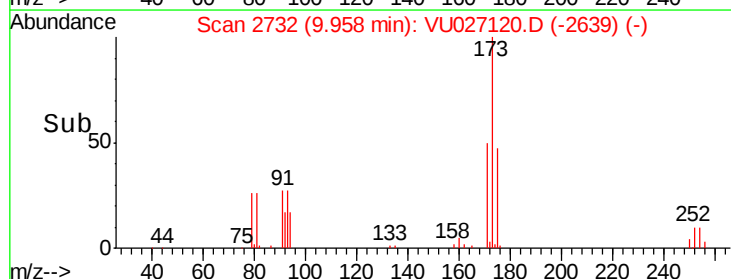
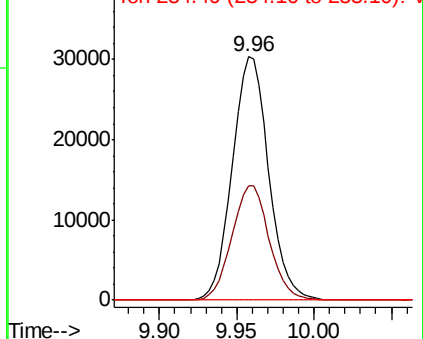


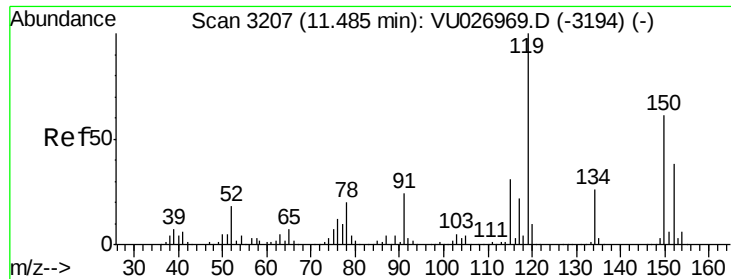
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:152 Resp: 72140

Ion Ratio Lower Upper

152 100

115 91.7 44.9 134.5

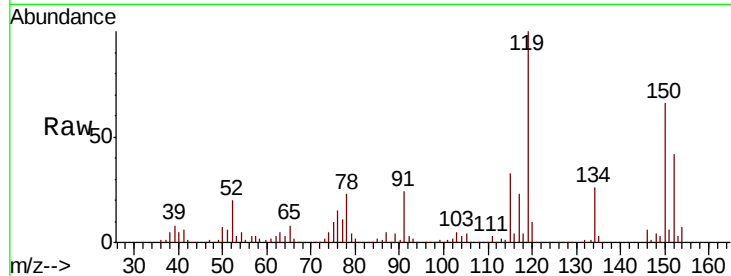
150 176.6 0.0 355.8

Manual Integrations

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MMDadoda

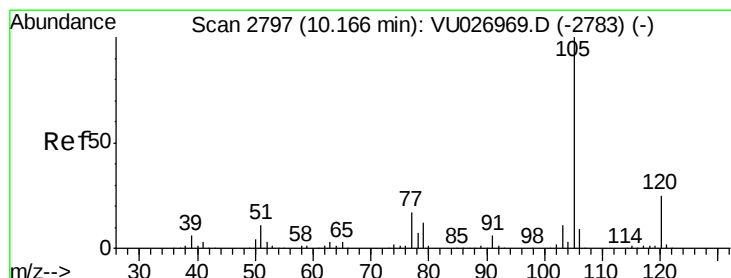
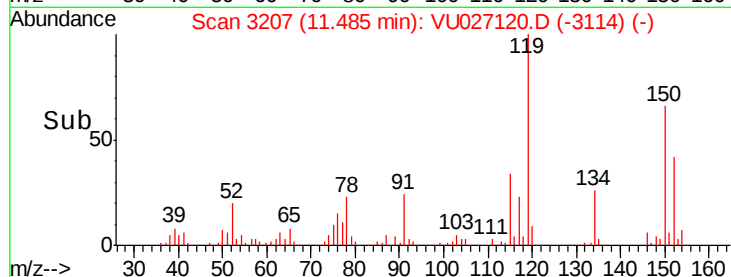
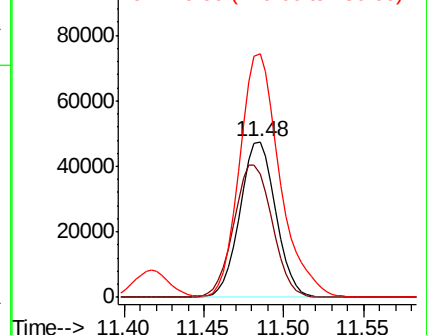
9/25/2018 11:34:15 AM



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: 55.413 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027120.D

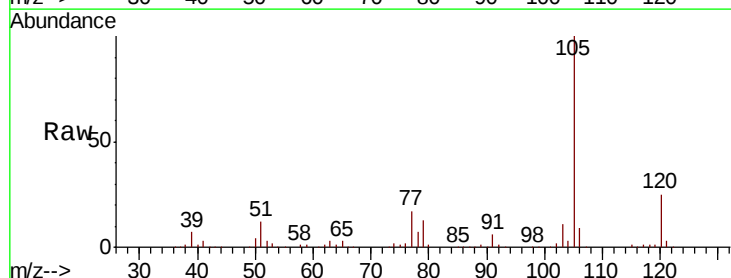
Acq: 24 Sep 2018 19:37

Tgt Ion:105 Resp: 304084

Ion Ratio Lower Upper

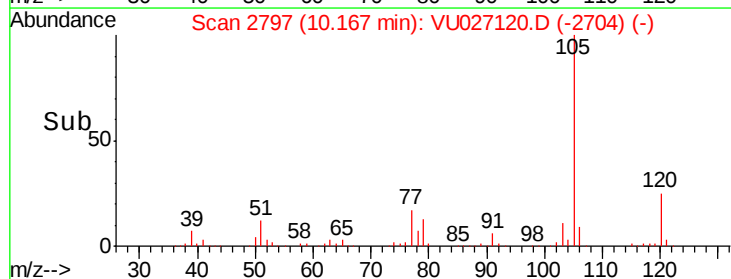
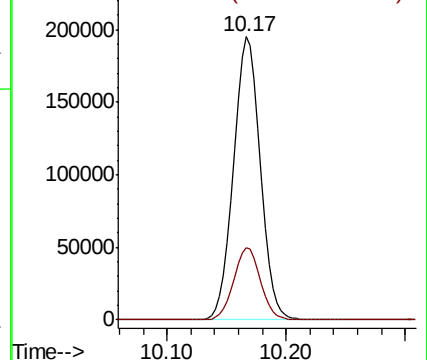
105 100

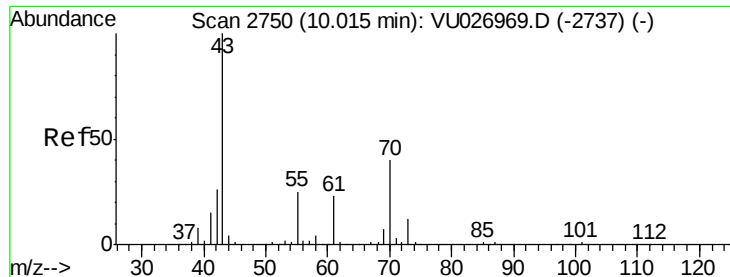
120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.455 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

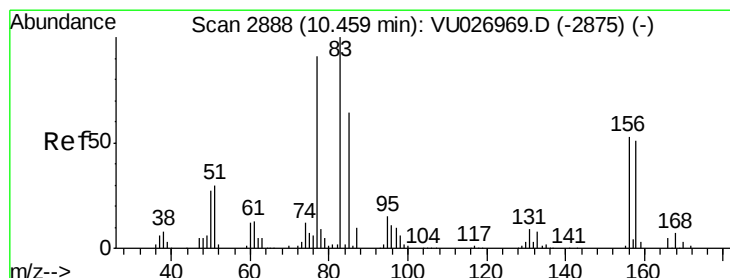
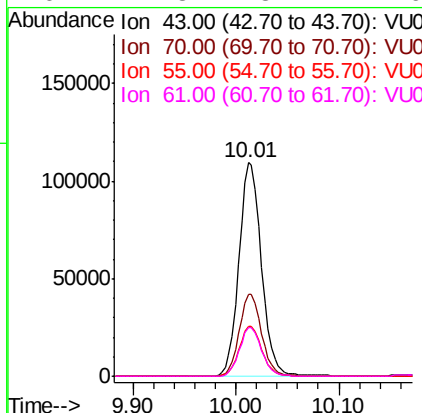
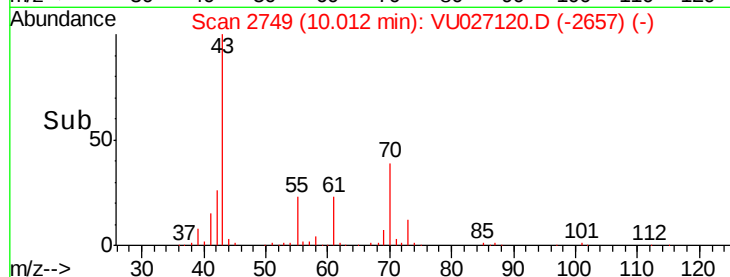
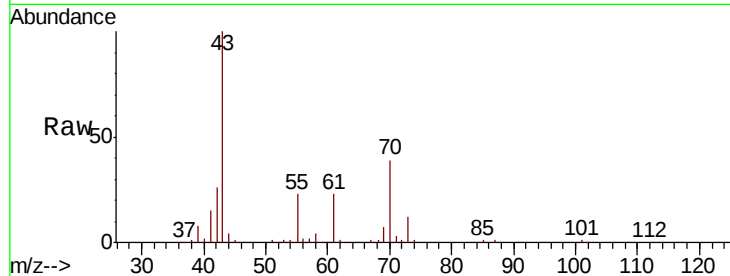
ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion:	43	Resp:	166620
Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.8
55	23.4	19.9	29.9
61	22.8	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.841 ug/l

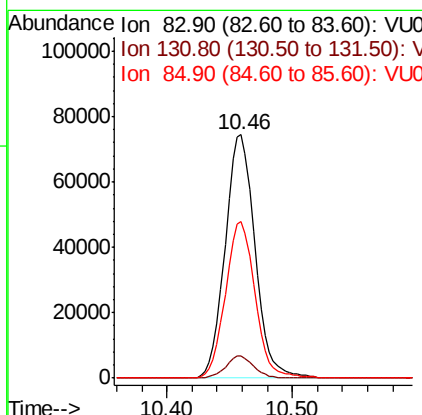
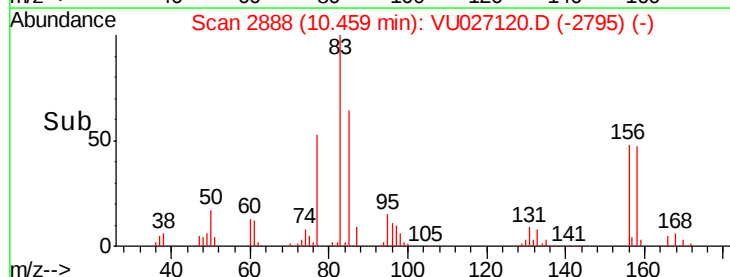
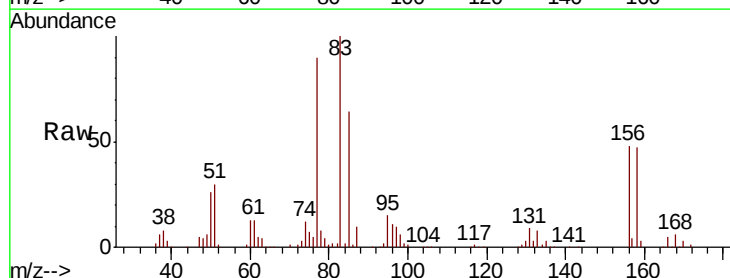
RT: 10.46 min Scan# 2888

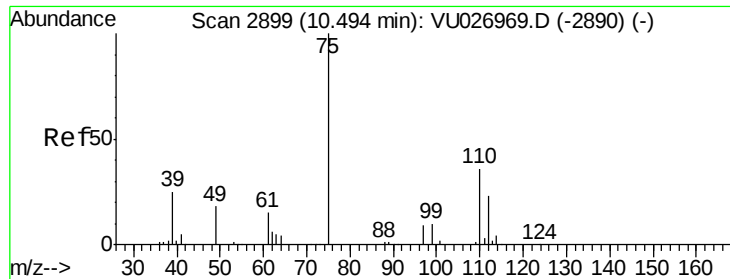
Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion:	83	Resp:	123229
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	63.5	31.9	95.7





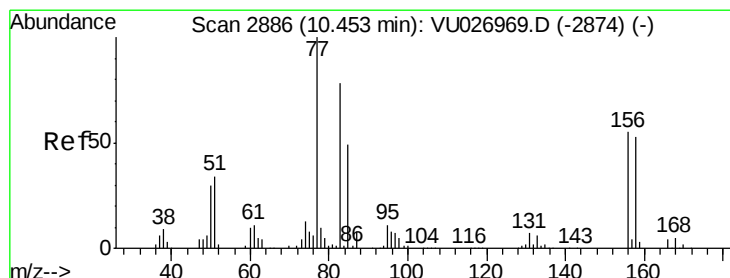
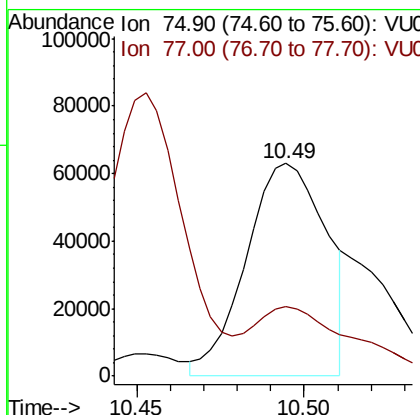
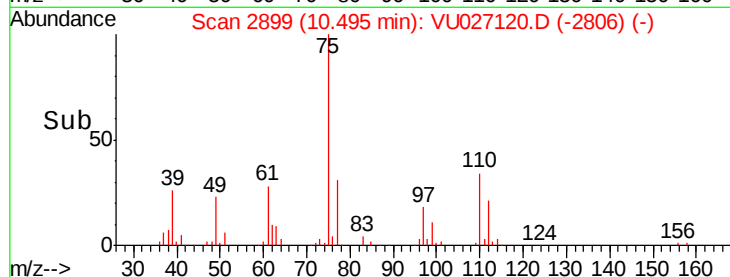
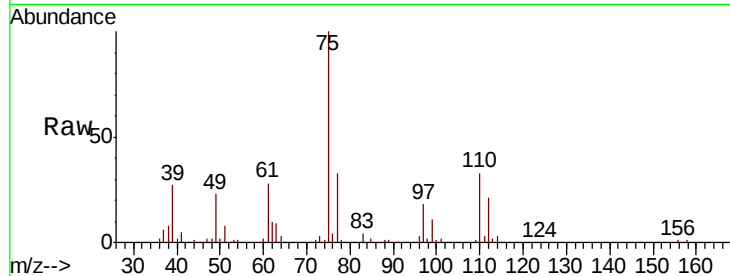
#76
1,2,3-Trichloropropane
Concen: 47.906 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion: 75 Resp: 104990
Ion Ratio Lower Upper
75 100
77 42.2 20.9 62.8

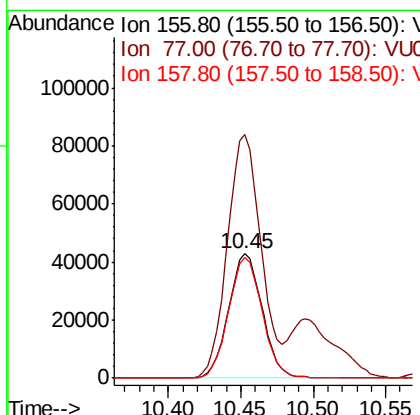
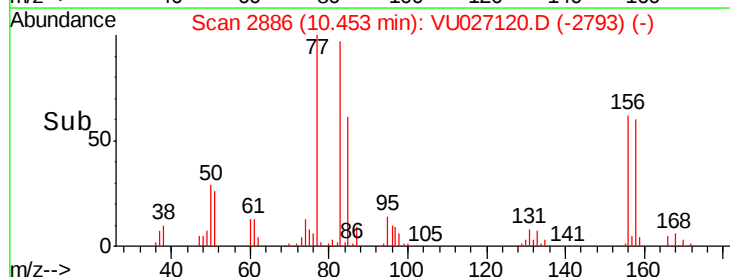
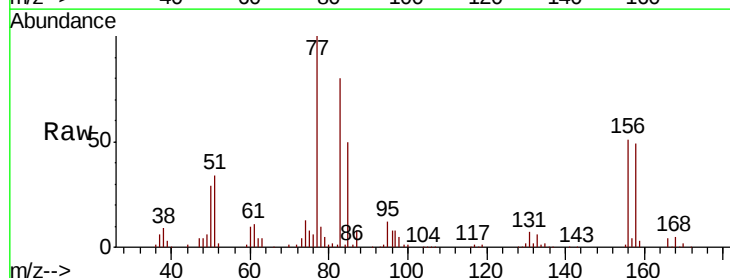
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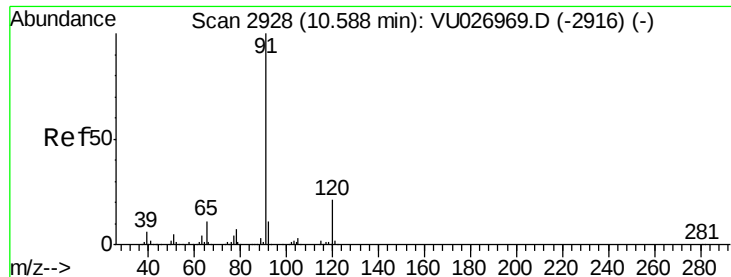
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#77
Bromobenzene
Concen: 51.325 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 156 Resp: 68827
Ion Ratio Lower Upper
156 100
77 196.2 92.3 276.9
158 97.0 48.1 144.3





#78

n-propylbenzene

Concen: 57.335 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 91 Resp: 372281

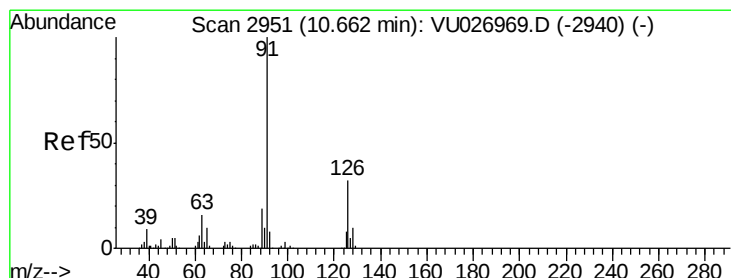
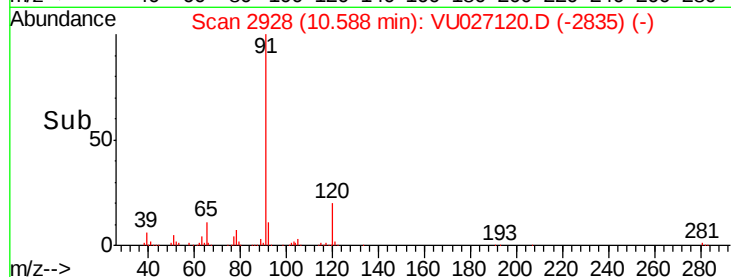
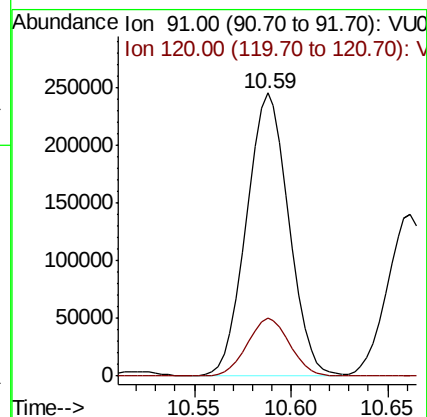
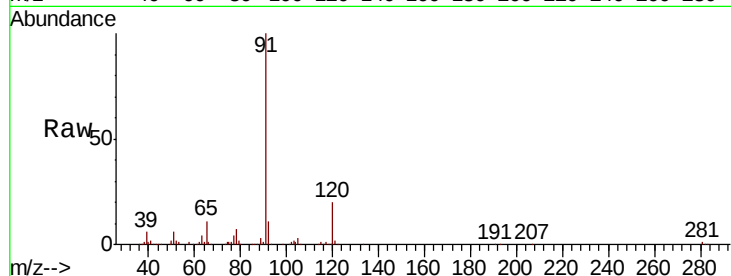
Ion Ratio Lower Upper

91 100

120 20.5 10.6 31.8

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#79

2-Chlorotoluene

Concen: 53.481 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027120.D

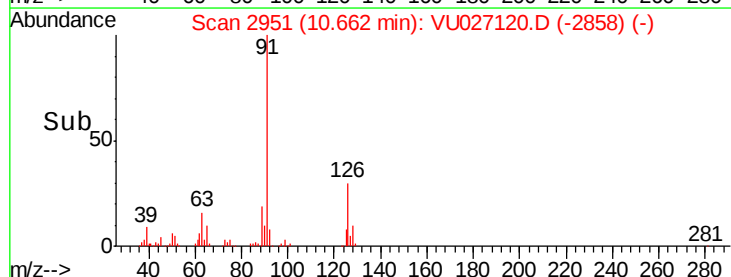
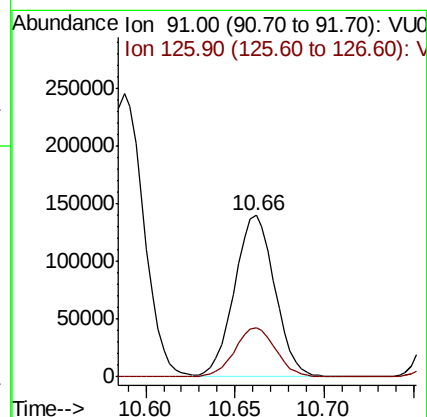
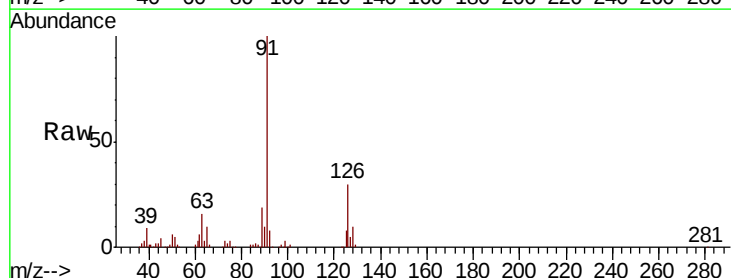
Acq: 24 Sep 2018 19:37

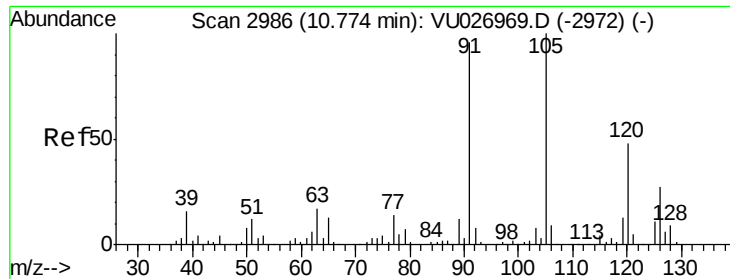
Tgt Ion: 91 Resp: 218123

Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3





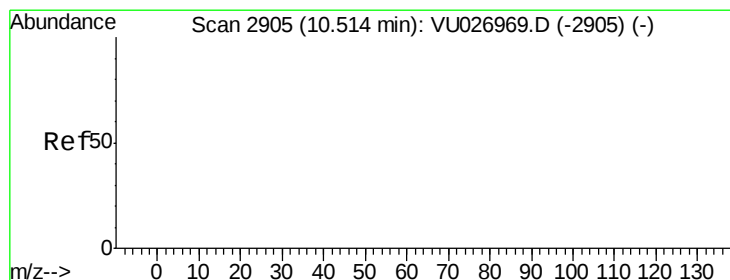
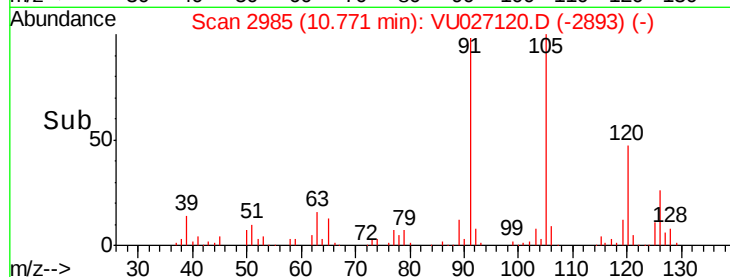
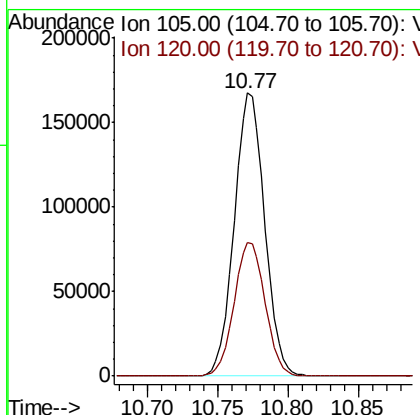
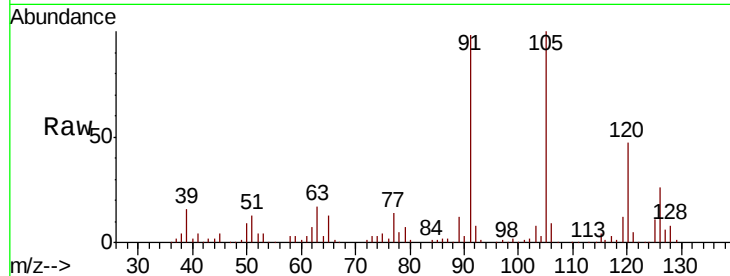
#80
 1,3,5-Trimethylbenzene
 Concen: 55.994 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion: 105 Resp: 253647
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.7

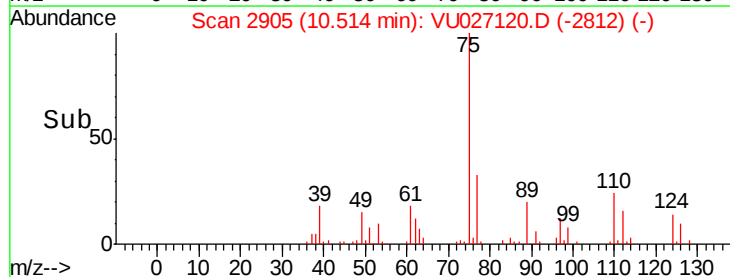
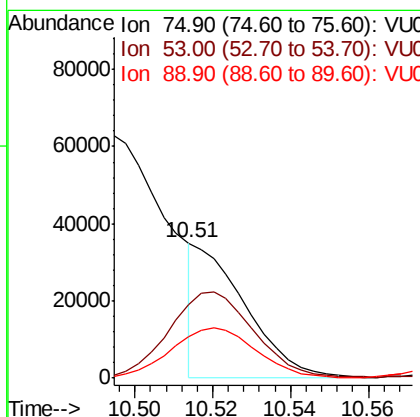
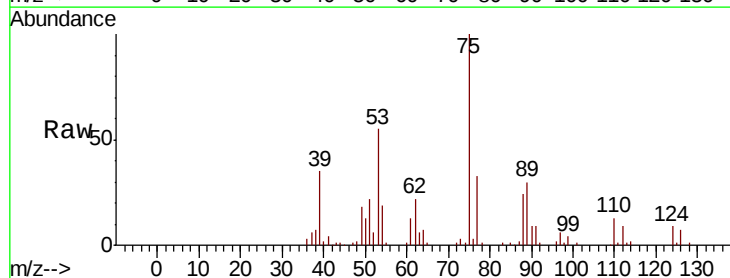
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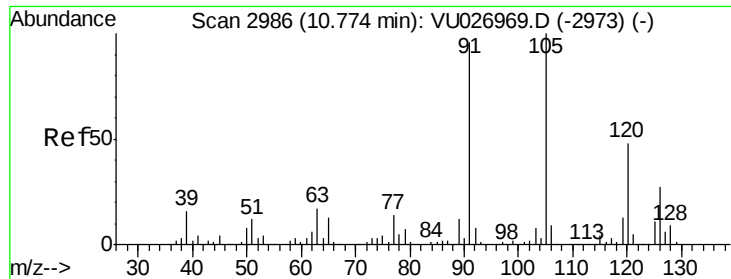
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.904 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 75 Resp: 30752
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 55.054 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 91 Resp: 251773

Ion Ratio Lower Upper

91 100

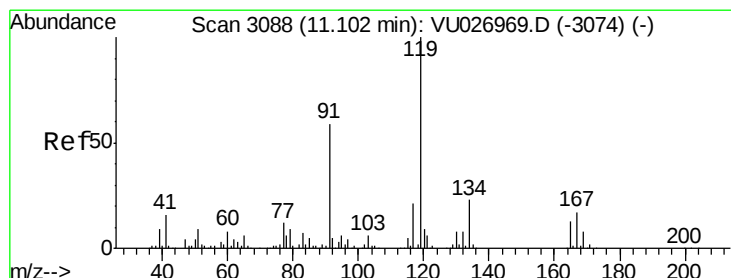
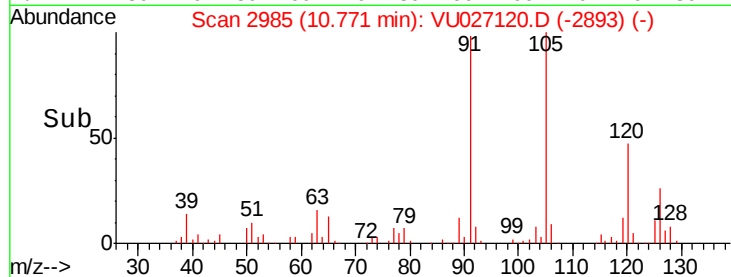
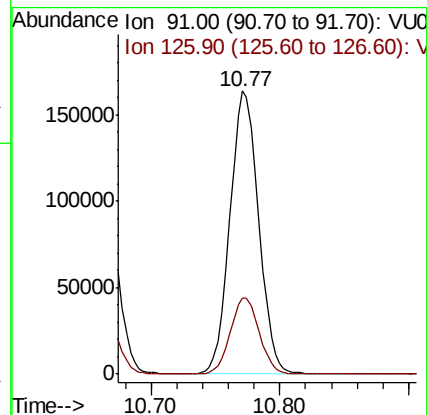
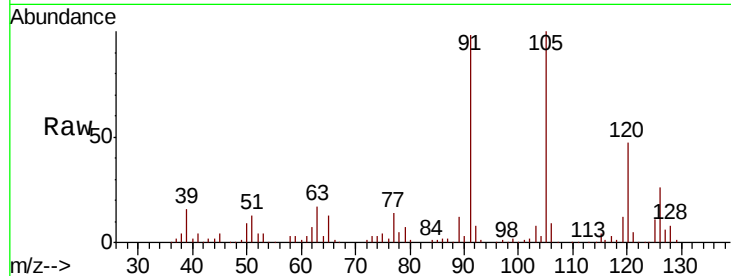
126 27.1 14.1 42.2

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#83

tert-Butylbenzene

Concen: 54.623 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

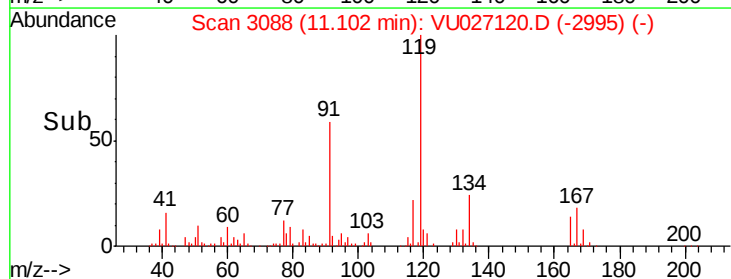
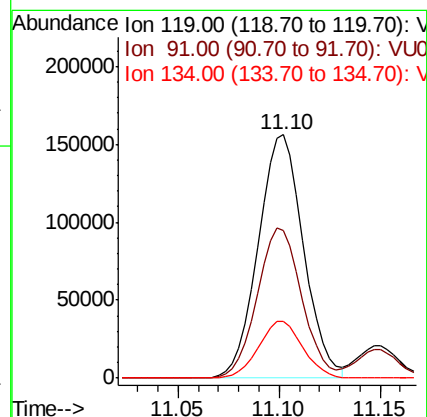
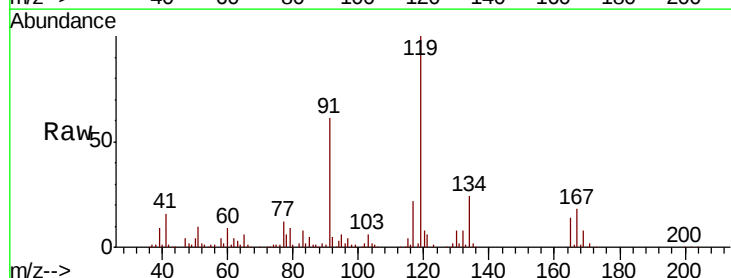
Tgt Ion: 119 Resp: 244631

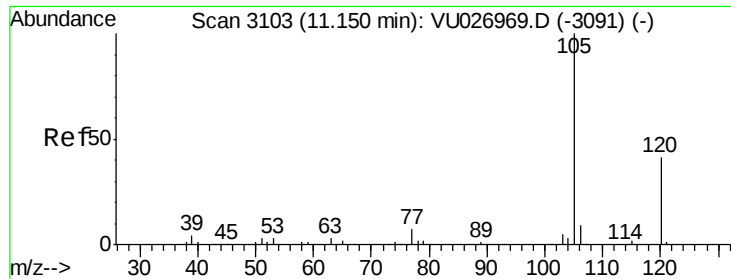
Ion Ratio Lower Upper

119 100

91 60.8 29.8 89.4

134 23.0 11.5 34.4





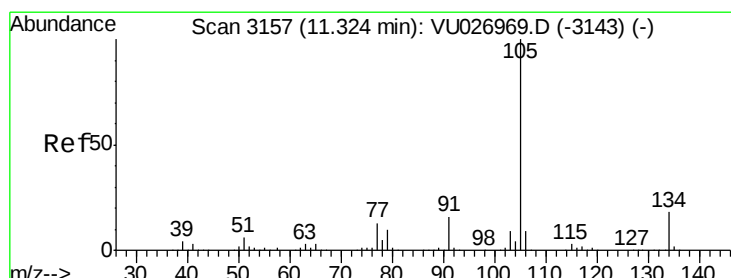
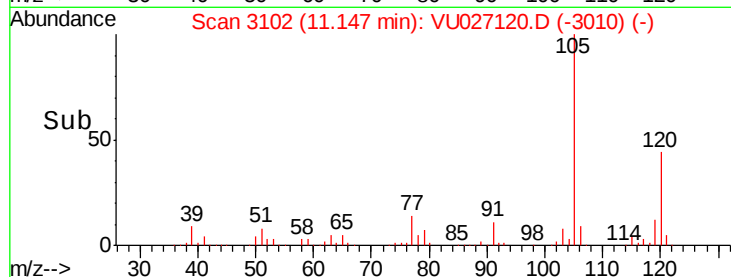
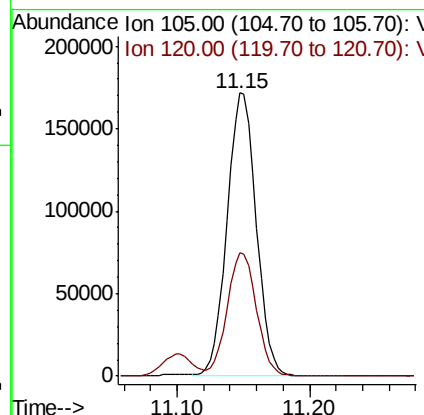
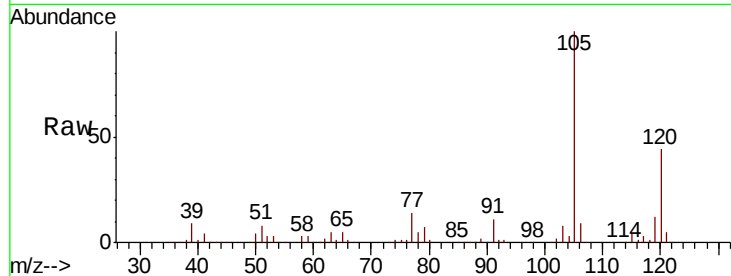
#84
1,2,4-Trimethylbenzene
Concen: 56.759 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion:105 Resp: 261660
Ion Ratio Lower Upper
105 100
120 43.8 22.4 67.2

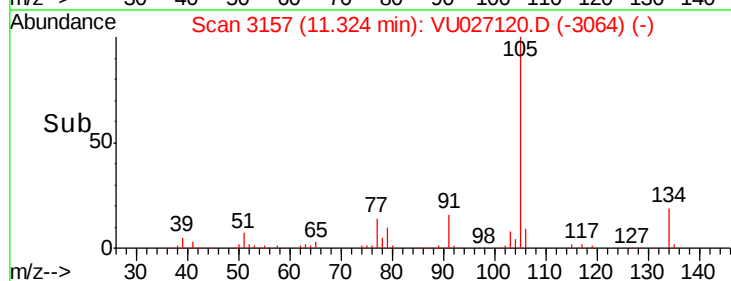
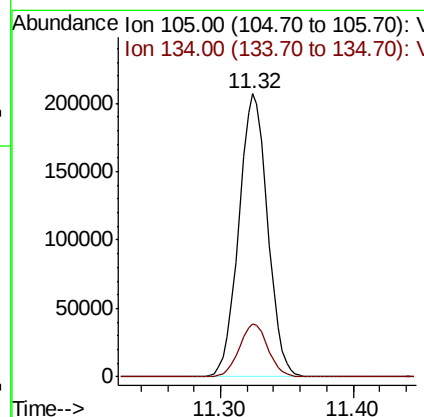
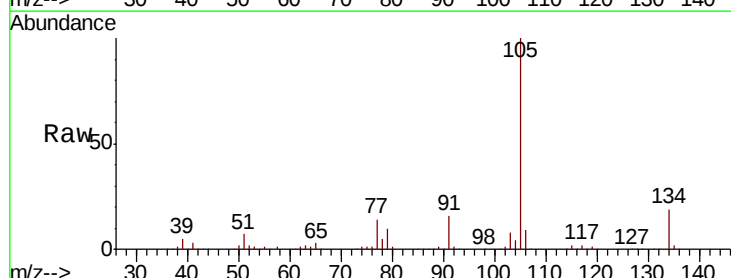
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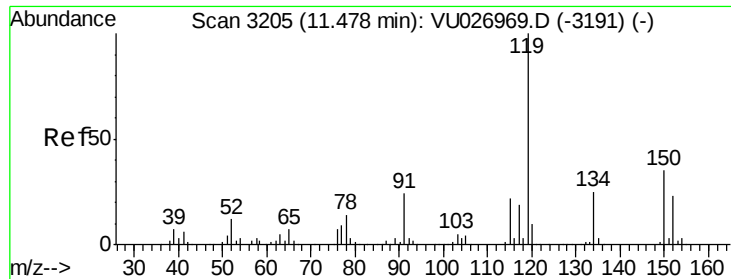
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#85
sec-Butylbenzene
Concen: 56.909 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:105 Resp: 311115
Ion Ratio Lower Upper
105 100
134 18.6 9.4 28.2





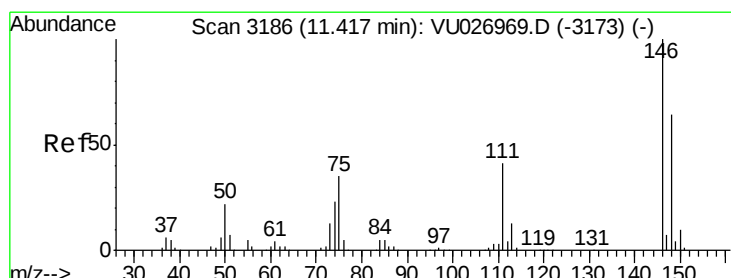
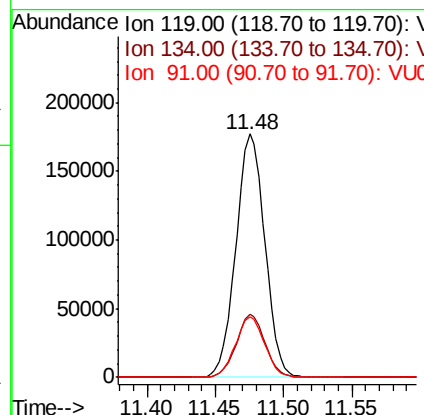
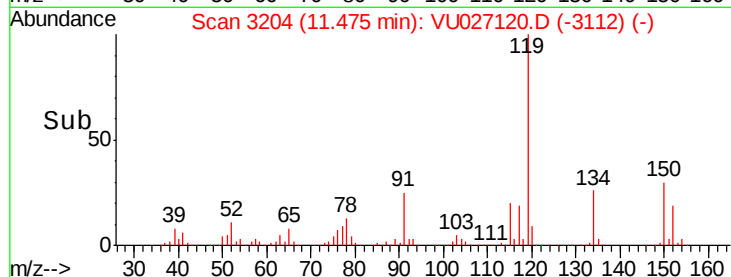
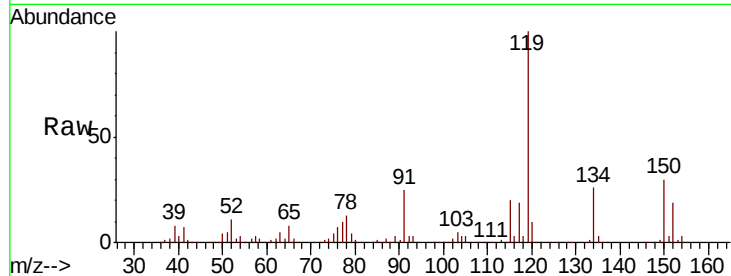
#86
 p-Isopropyltoluene
 Concen: 50.912 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	261255		
134	25.5	12.8	38.3	
91	25.1	12.3	36.8	

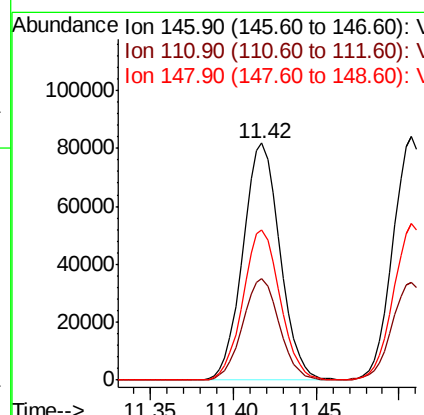
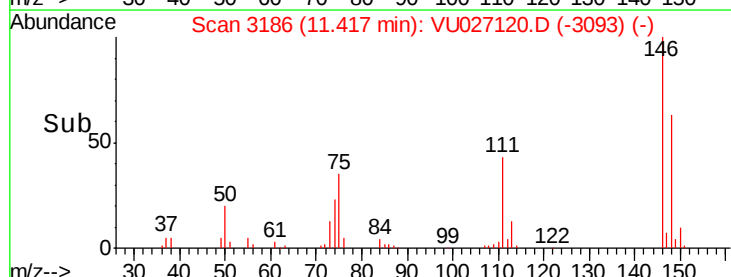
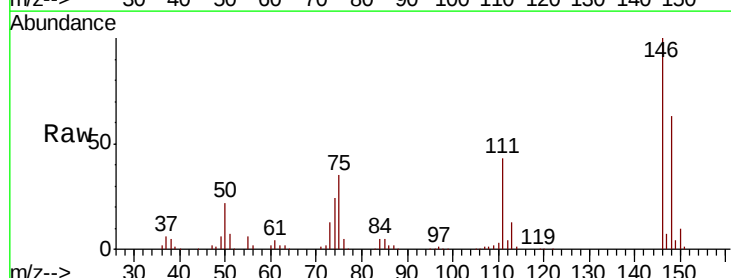
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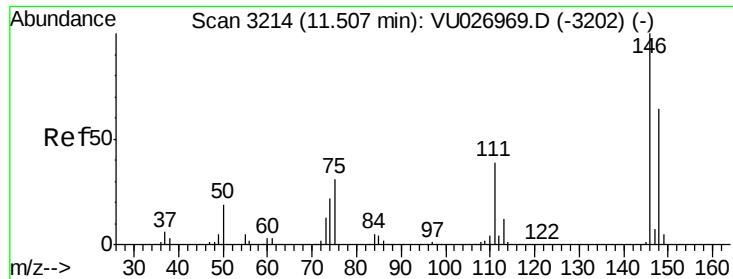
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#87
 1,3-Dichlorobenzene
 Concen: 51.017 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127311		
111	42.5	20.8	62.2	
148	63.5	32.0	96.2	





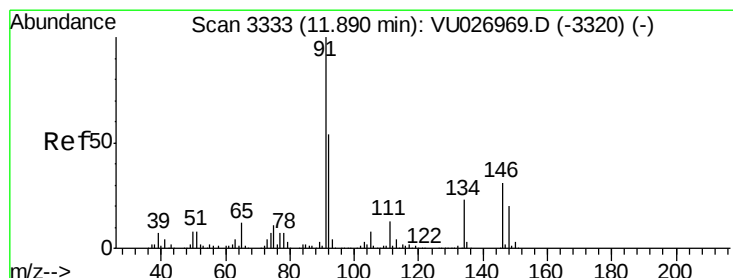
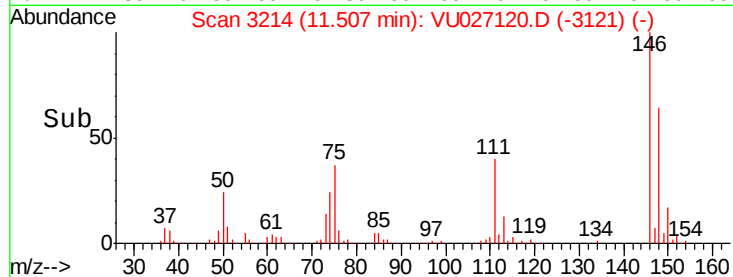
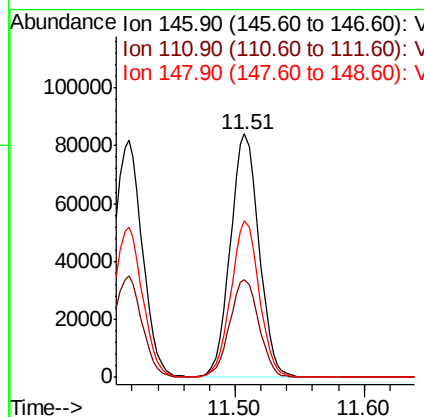
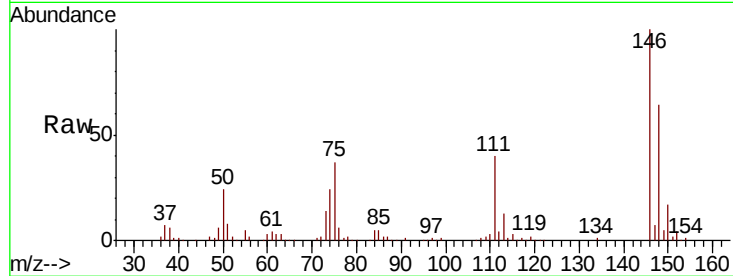
#88
 1,4-Dichlorobenzene
 Concen: 47.644 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	129579		
111	41.2	20.3	60.9	
148	63.8	31.9	95.9	

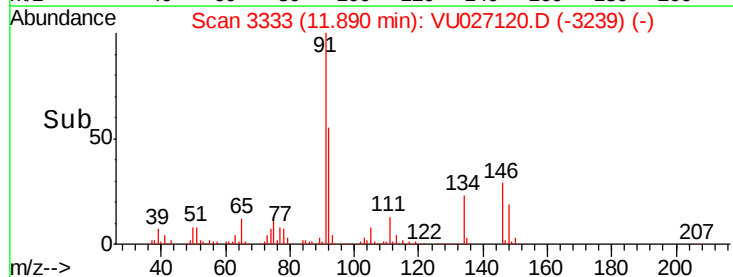
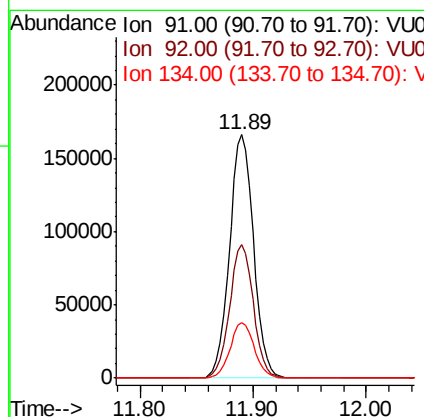
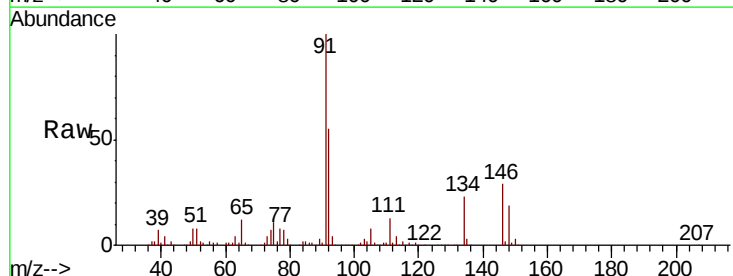
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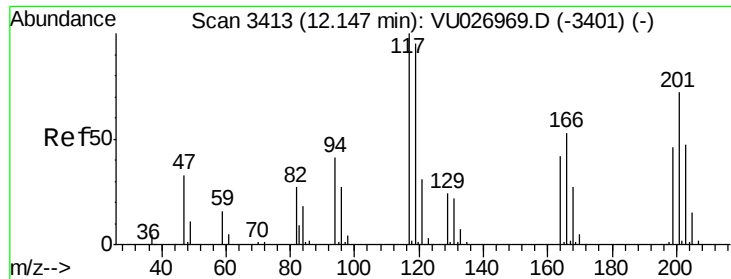
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#89
 n-Butylbenzene
 Concen: 49.394 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	245469		
92	54.0	27.1	81.2	
134	22.9	11.7	35.0	





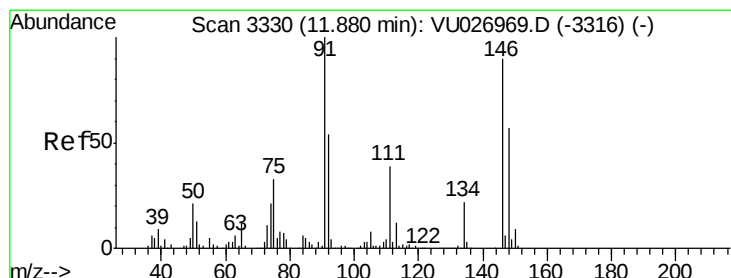
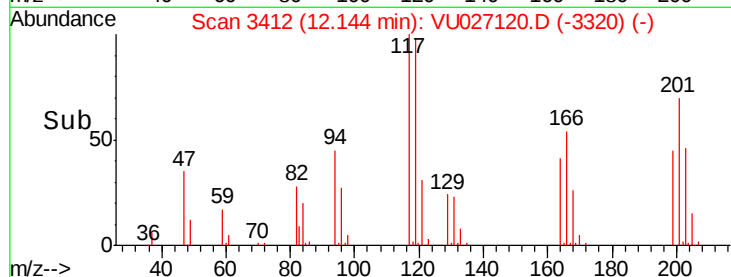
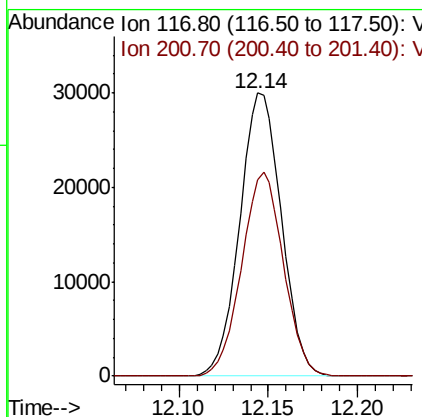
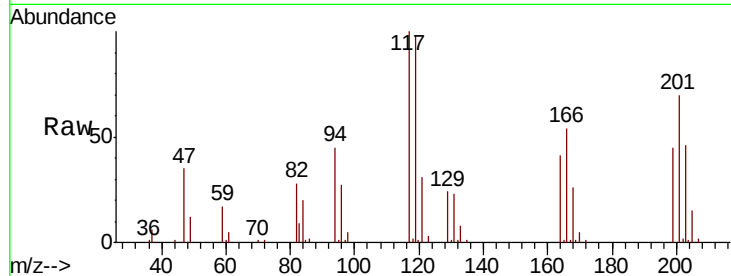
#90
Hexachloroethane
Concen: 49.285 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tot Ion:117 Resp: 48996
Ion Ratio Lower Upper
117 100
201 72.2 36.8 110.3

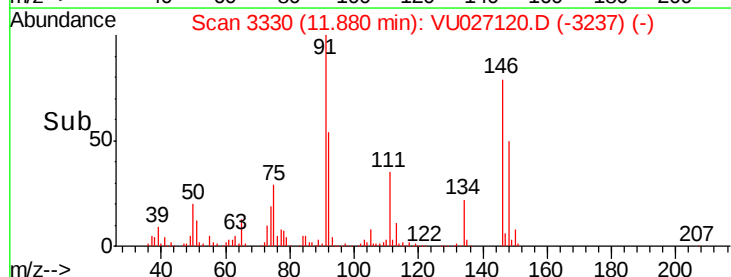
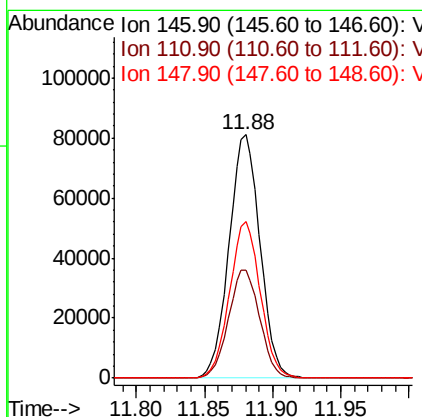
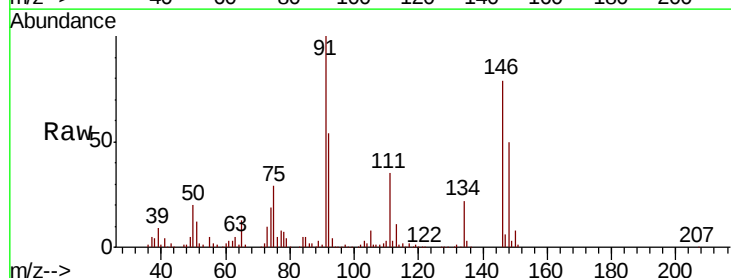
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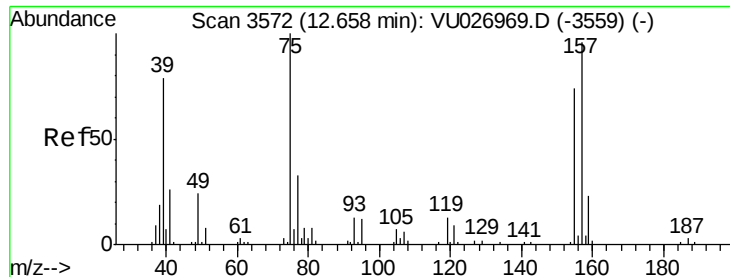
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#91
1,2-Dichlorobenzene
Concen: 48.256 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:146 Resp: 127915
Ion Ratio Lower Upper
146 100
111 44.5 21.8 65.3
148 63.8 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.121 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tot Ion: 75 Resp: 27342

Ion Ratio Lower Upper

75 100

155 73.6 36.6 109.8

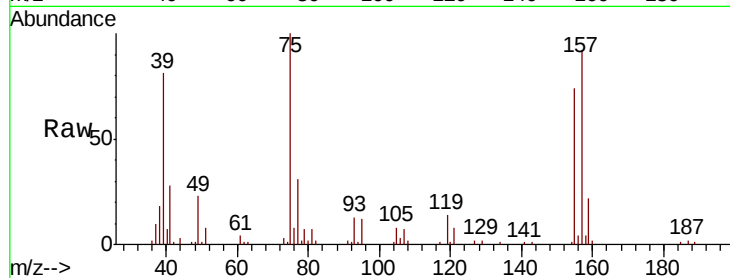
157 92.0 47.4 142.2

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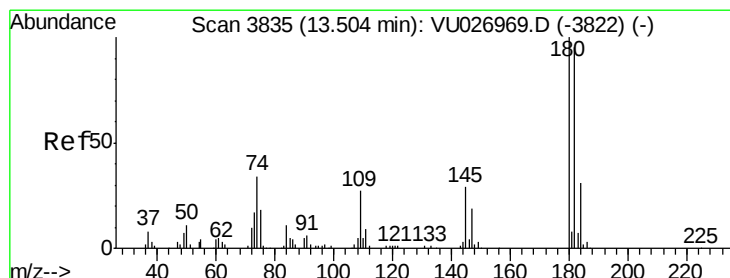
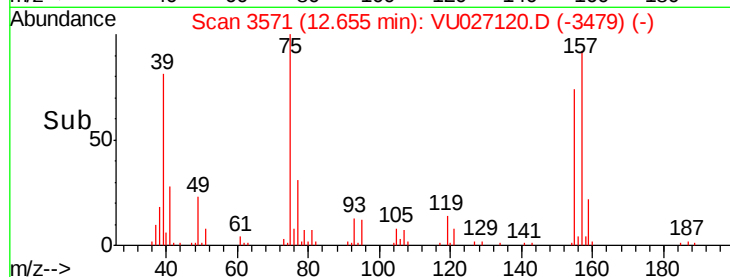
Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU026969.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU026969.D (-3559) (-)

12.66

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 55.138 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

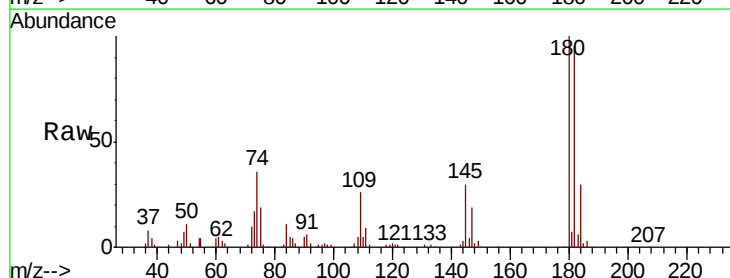
Tgt Ion: 180 Resp: 84226

Ion Ratio Lower Upper

180 100

182 94.3 47.4 142.2

145 29.4 14.9 44.5



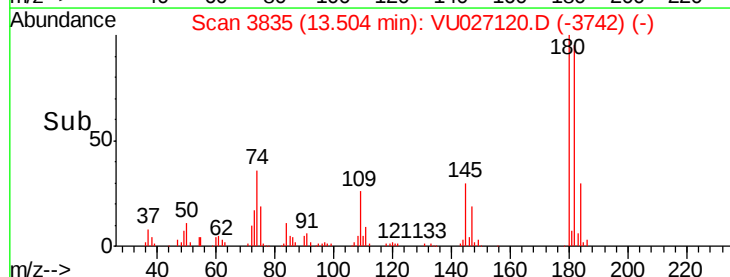
Abundance Ion 179.80 (179.50 to 180.50): VU026969.D (-3822) (-)

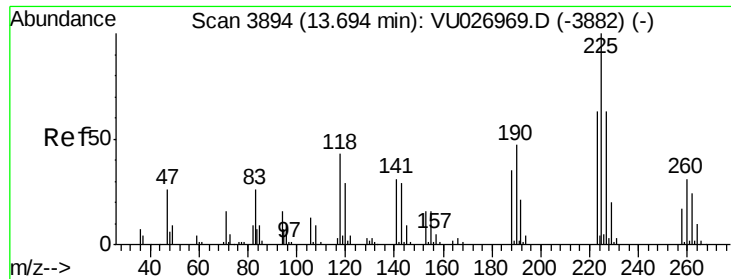
Ion 181.80 (181.50 to 182.50): VU026969.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU026969.D (-3822) (-)

13.50

Time-->





#94

Hexachlorobutadiene

Concen: 49.520 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

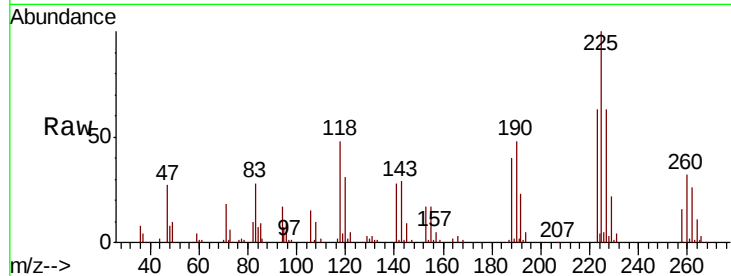
ClientSampleId :

SA-PZ182I-20180916MSD

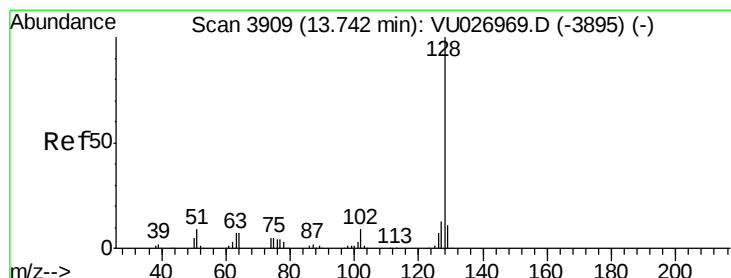
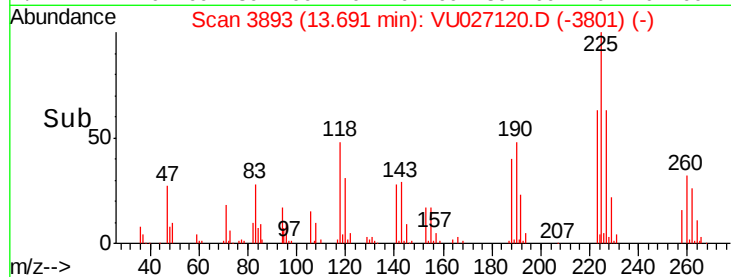
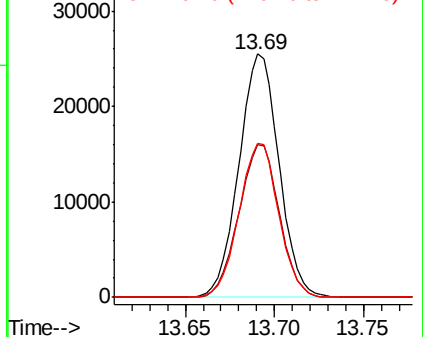
Tot Ion:	225	Resp:	40025
Ion Ratio		Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.6	32.1	96.5

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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: 51.261 ug/l

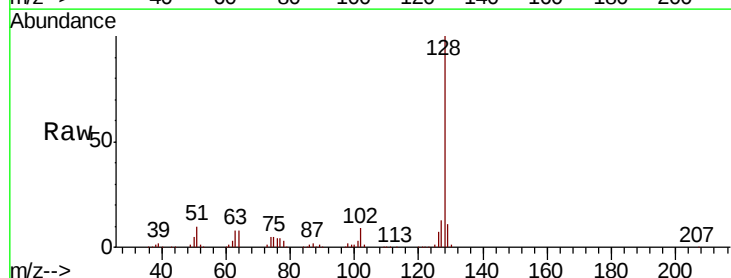
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

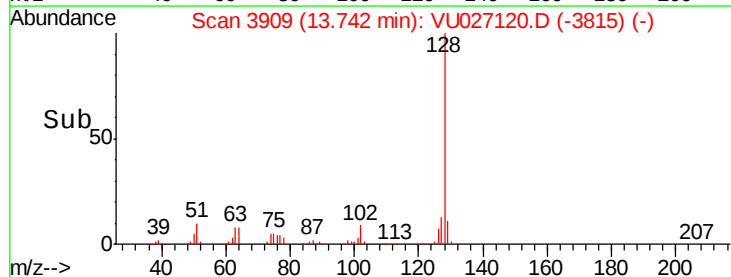
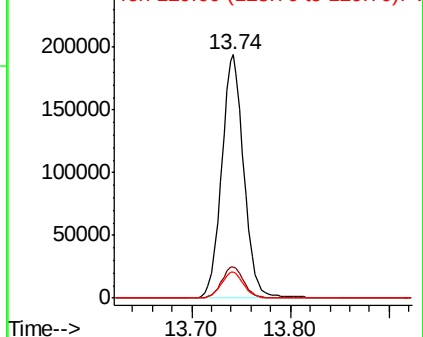
Lab File: VU027120.D

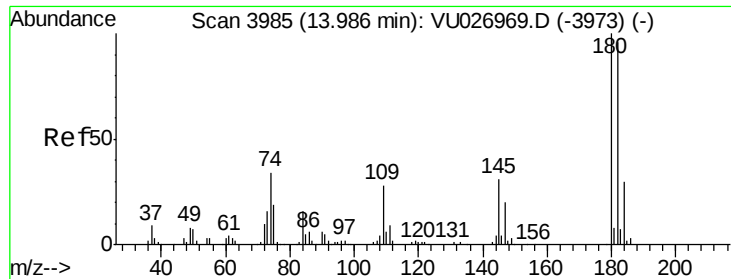
Acq: 24 Sep 2018 19:37

Tgt Ion:	128	Resp:	306420
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.6	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





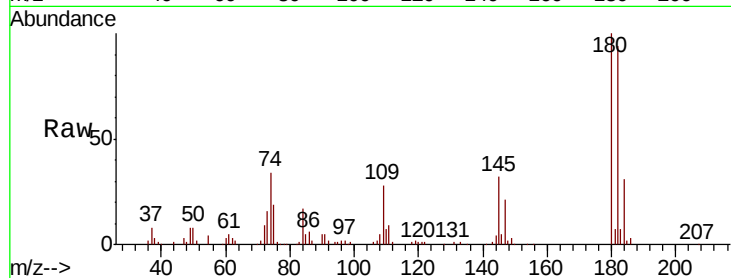
#96
 1,2,3-Trichlorobenzene
 Concen: 53.809 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	31.7	15.4	46.4

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

