

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027121.D
 Acq On : 24 Sep 2018 20:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:16 AM

Quant Time: Sep 25 03:00:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	80184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84421	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	4.88	113	60114	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	7.57	98	230764	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	10.31	95	83456	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	47510	45.381	ug/l	98
3) Chloromethane	1.33	50	81279	45.030	ug/l	99
4) Vinyl Chloride	1.40	62	79824	47.377	ug/l	98
5) Bromomethane	1.62	94	32097	33.453	ug/l	98
6) Chloroethane	1.69	64	51716	48.040	ug/l	98
7) Trichlorofluoromethane	1.88	101	93290	48.751	ug/l	97
8) Diethyl Ether	2.10	74	45570	49.474	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	54783	46.560	ug/l	99
10) Methyl Iodide	2.41	142	40292	27.611	ug/l	100
11) Tert butyl alcohol	2.83	59	96637	261.250	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52037	46.988	ug/l	96
13) Acrolein	2.20	56	45975	230.564	ug/l	99
14) Allyl chloride	2.59	41	125712	55.967	ug/l	97
15) Acrylonitrile	2.94	53	249249	267.349	ug/l	99
16) Acetone	2.32	43	221906	259.486	ug/l	98
17) Carbon Disulfide	2.48	76	167835	46.521	ug/l	100
18) Methyl Acetate	2.62	43	129089	56.199	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	223509	54.921	ug/l	100
20) Methylene Chloride	2.70	84	68939	47.698	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59787	50.564	ug/l	98
22) Diisopropyl ether	3.58	45	275515	57.346	ug/l	96
23) Vinyl Acetate	3.53	43	1201386	293.351	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138209	52.232	ug/l	99
25) 2-Butanone	4.26	43	357789	263.808	ug/l	99
26) 2,2-Dichloropropane	4.23	77	100887	48.888	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	70232	52.596	ug/l	97
28) Bromochloromethane	4.55	49	72910	57.160	ug/l	95
29) Tetrahydrofuran	4.64	42	232488	283.370	ug/l	96
30) Chloroform	4.67	83	125302	51.015	ug/l	99
31) Cyclohexane	5.00	56	123674	51.433	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	103119	52.583	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92219	50.432	ug/l	99
37) Ethyl Acetate	4.38	43	131322	53.051	ug/l	99
38) Carbon Tetrachloride	5.14	117	85578	49.179	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	106664	53.677	ug/l	97
40) Benzene	5.39	78	278422	50.087	ug/l	100
41) Methacrylonitrile	4.54	41	75277	58.555	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109330	52.057	ug/l	99
43) Isopropyl Acetate	5.55	43	202573	56.113	ug/l	99
44) Trichloroethene	6.19	130	59777	50.512	ug/l	95
45) 1,2-Dichloropropane	6.43	63	83173	52.512	ug/l	98
46) Dibromomethane	6.56	93	48084	50.266	ug/l	99
47) Bromodichloromethane	6.76	83	99790	51.590	ug/l	99
48) Methyl methacrylate	6.62	41	103656	52.699	ug/l	98
49) 1,4-Dioxane	6.61	88	36995	947.968	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	696859	287.011	ug/l	99
52) Toluene	7.64	92	168497	52.881	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114825	55.252	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	121623	53.225	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	68653	50.849	ug/l	99
56) Ethyl methacrylate	8.02	69	118808	50.685	ug/l	96
57) 1,3-Dichloropropane	8.24	76	134128	53.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	347555	261.202	ug/l	98
59) 2-Hexanone	8.36	43	527544	277.570	ug/l	100
60) Dibromochloromethane	8.48	129	68932	52.051	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72071	51.305	ug/l	99
64) Tetrachloroethene	8.23	164	49570	47.726	ug/l	97
65) Chlorobenzene	9.12	112	173765	48.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	63459	51.552	ug/l	98
67) Ethyl Benzene	9.25	91	318323	54.165	ug/l	100
68) m/p-Xylenes	9.38	106	234902	98.716	ug/l	98
69) o-Xylene	9.78	106	113173	54.352	ug/l	97
70) Styrene	9.79	104	192445	49.517	ug/l	100
71) Bromoform	9.96	173	49681	52.190	ug/l #	98
73) Isopropylbenzene	10.17	105	311256	55.303	ug/l	99
74) N-amyl acetate	10.02	43	189760	58.247	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	123500	47.726	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113043m	50.292	ug/l	
77) Bromobenzene	10.45	156	69518	50.546	ug/l	95
78) n-propylbenzene	10.59	91	378860	56.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	222942	53.297	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	259885	55.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33040m	47.040	ug/l	
82) 4-Chlorotoluene	10.77	91	255109	54.391	ug/l	99
83) tert-Butylbenzene	11.10	119	250041	54.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	263307	55.690	ug/l	100
85) sec-Butylbenzene	11.32	105	315944	56.348	ug/l	99
86) p-Isopropyltoluene	11.48	119	269484	51.198	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130658	51.051	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	131217	47.041	ug/l	99
89) n-Butylbenzene	11.89	91	254152	49.841	ug/l	100
90) Hexachloroethane	12.15	117	49692	48.736	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	130933	48.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27257	51.633	ug/l	99

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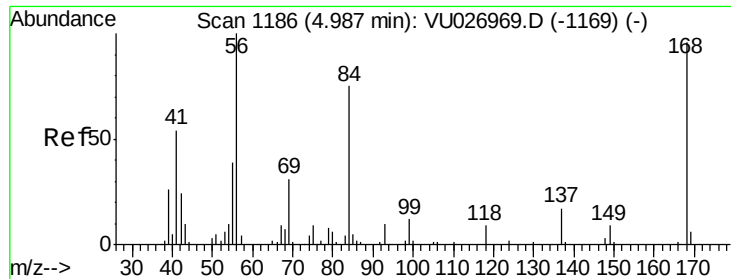
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84794	54.123	ug/l	99
94) Hexachlorobutadiene	13.69	225	41259	49.772	ug/l	99
95) Naphthalene	13.74	128	314230	51.255	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	90380	53.795	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 80184

Ion Ratio Lower Upper

168 100

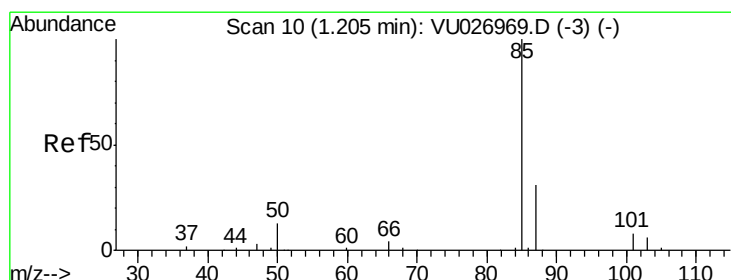
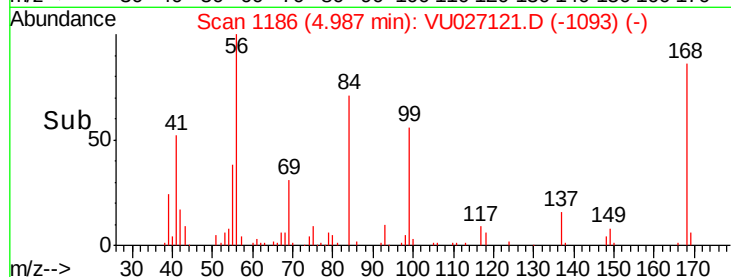
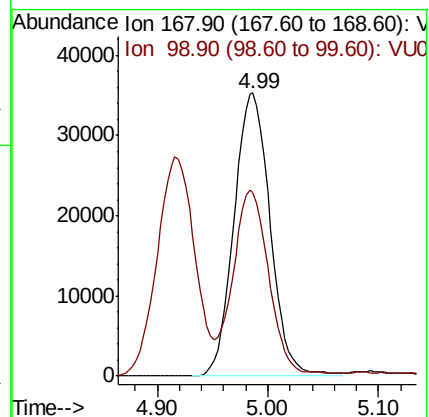
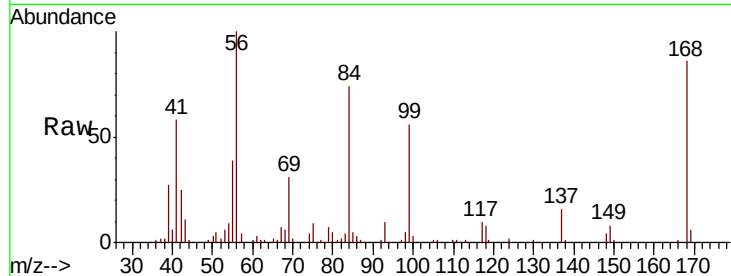
99 63.8 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.381 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027121.D

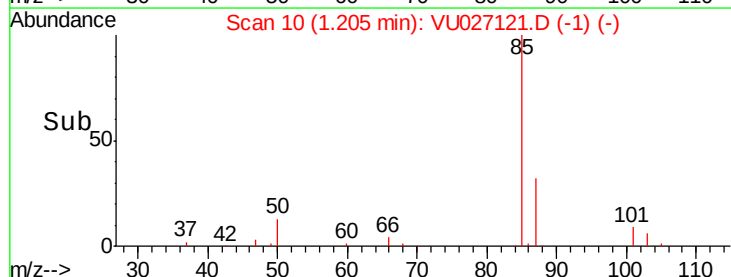
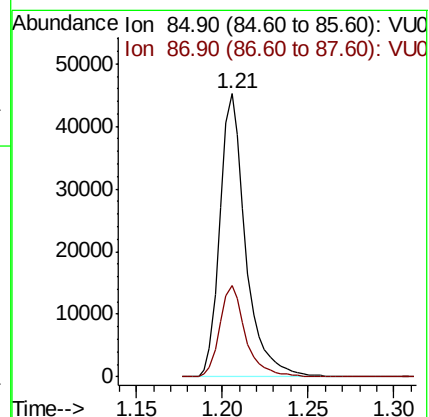
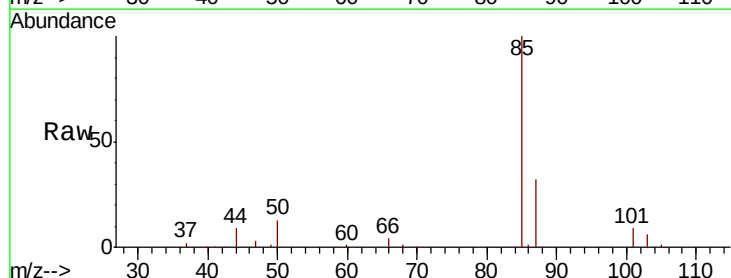
Acq: 24 Sep 2018 20:00

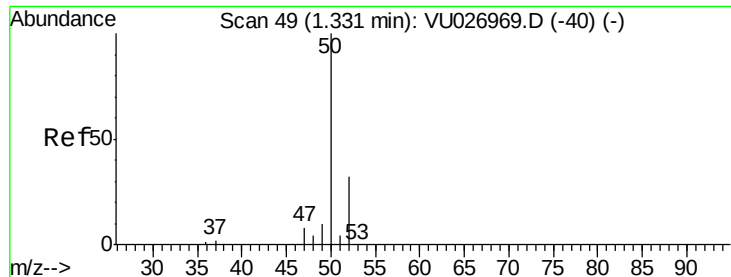
Tgt Ion: 85 Resp: 47510

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.7





#3

Chloromethane

Concen: 45.030 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 81279

Ion Ratio Lower Upper

50 100

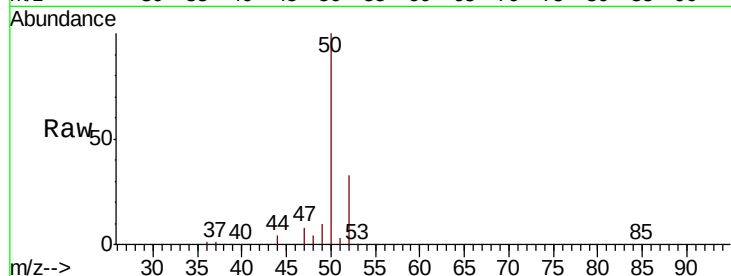
52 32.7 25.9 38.9

Manual Integrations

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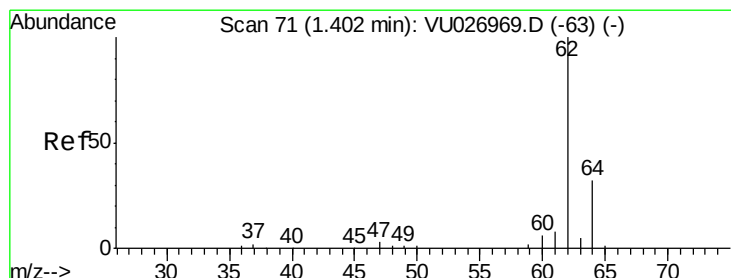
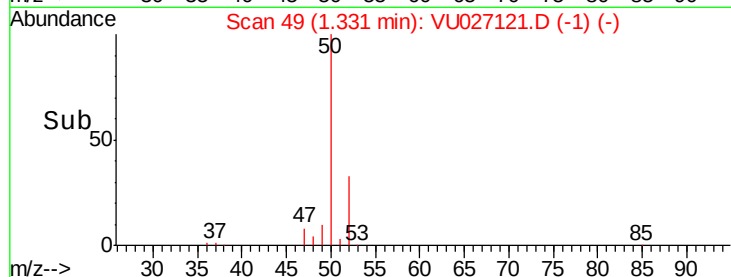
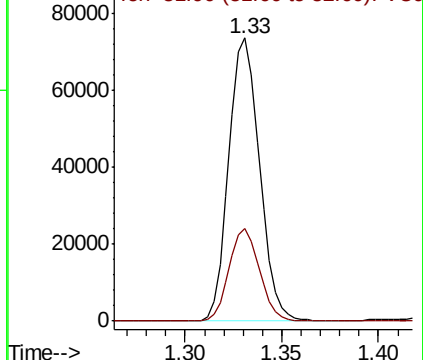
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.377 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027121.D

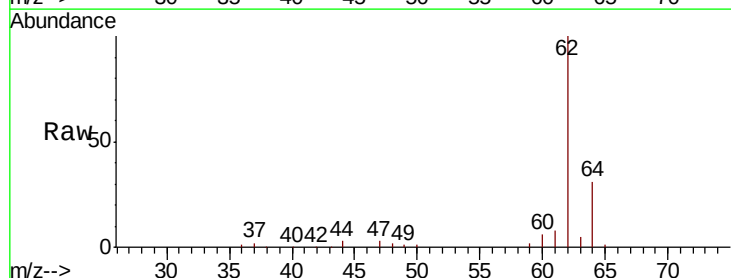
Acq: 24 Sep 2018 20:00

Tgt Ion: 62 Resp: 79824

Ion Ratio Lower Upper

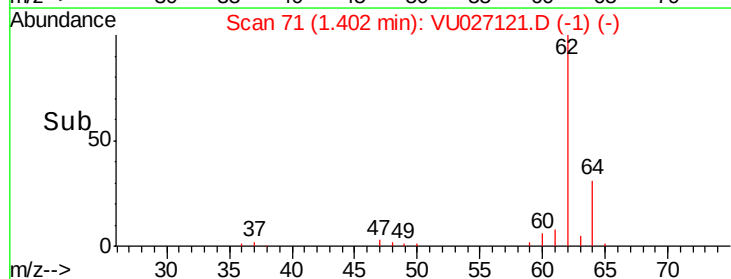
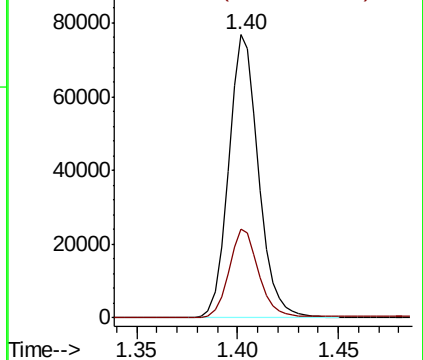
62 100

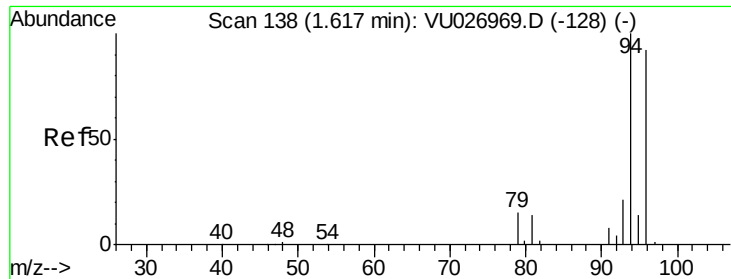
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





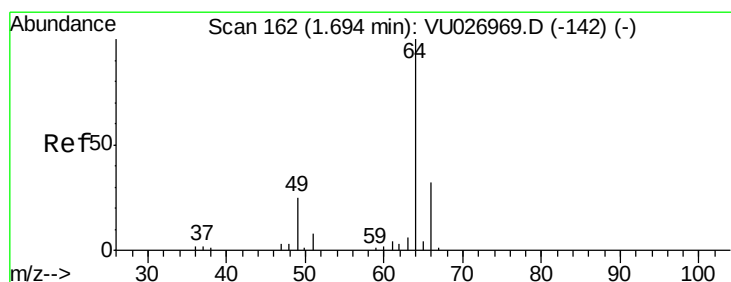
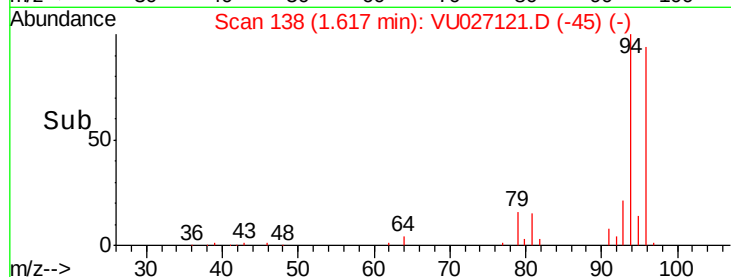
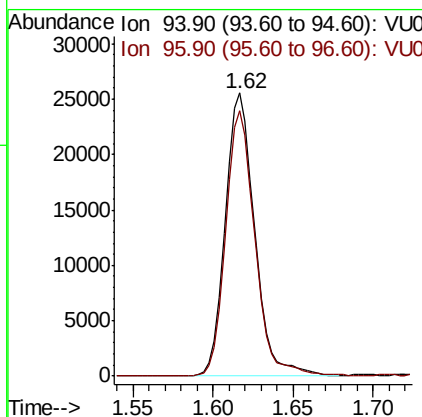
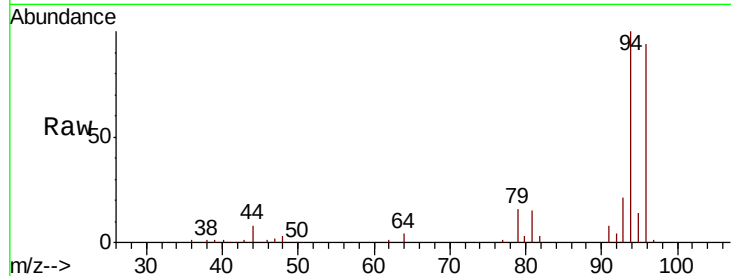
#5
Bromomethane
Concen: 33.453 ug/l
RT: 1.62 min Scan# 138
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 32097
Ion Ratio Lower Upper
94 100
96 93.8 73.2 109.8

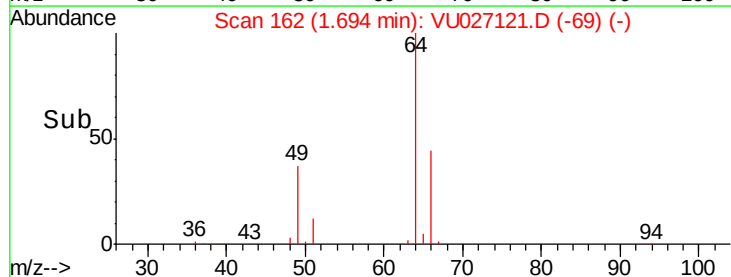
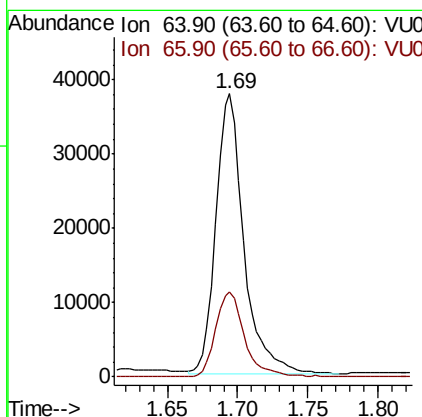
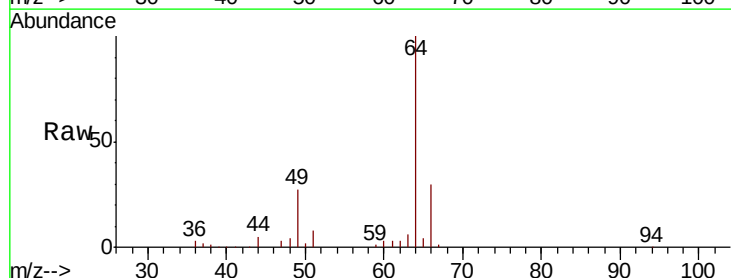
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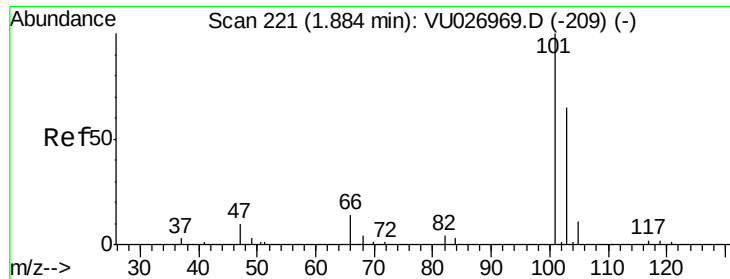
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9/25/2018 11:34:16 AM



#6
Chloroethane
Concen: 48.040 ug/l
RT: 1.69 min Scan# 162
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion: 64 Resp: 51716
Ion Ratio Lower Upper
64 100
66 30.3 25.3 37.9





#7

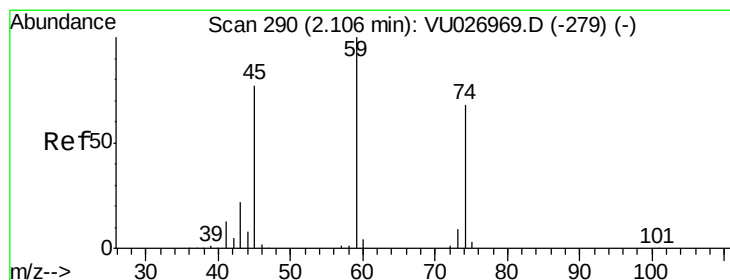
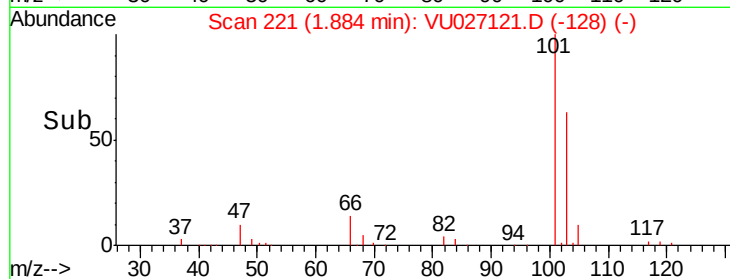
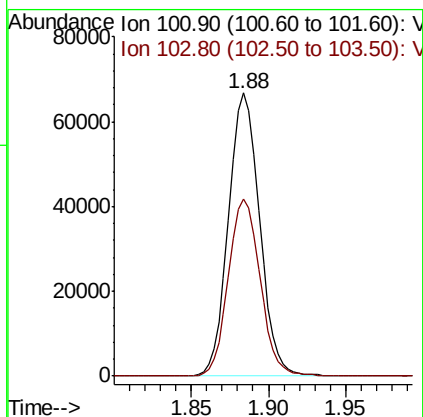
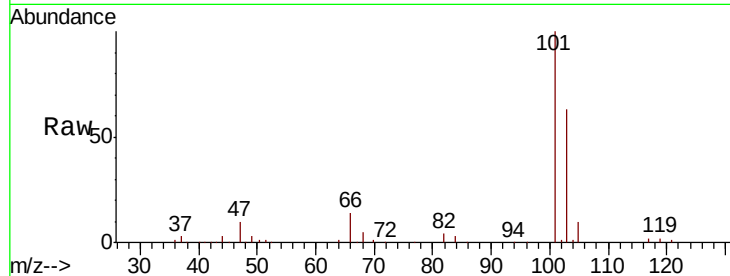
Trichlorofluoromethane
 Concen: 48.751 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	62.8	52.2	78.2	

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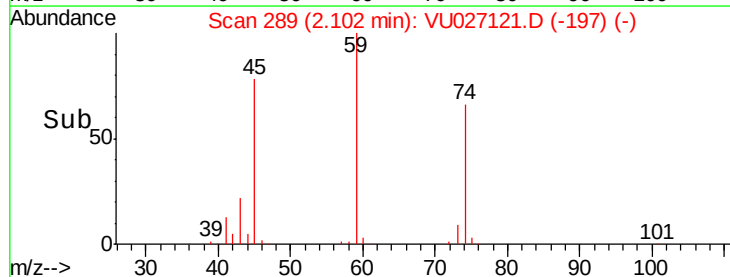
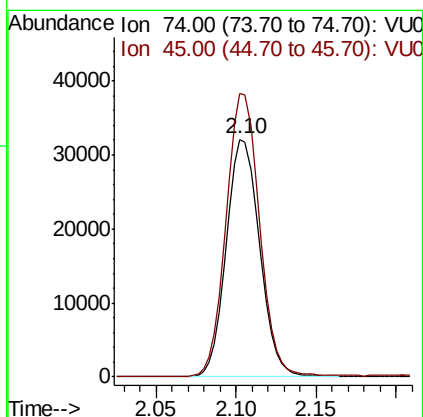
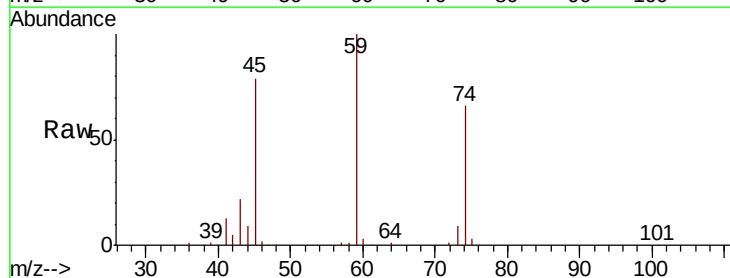
MMDadoda
 9/25/2018 11:34:16 AM

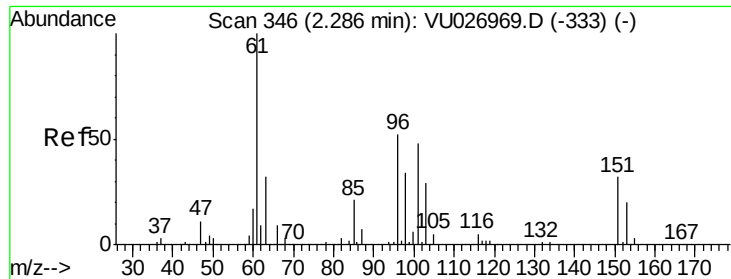


#8

Diethyl Ether
 Concen: 49.474 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	119.5	56.9	170.7	





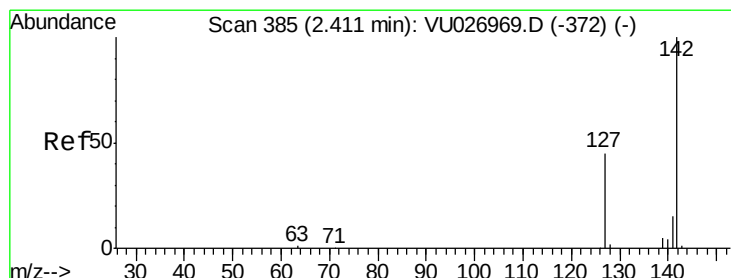
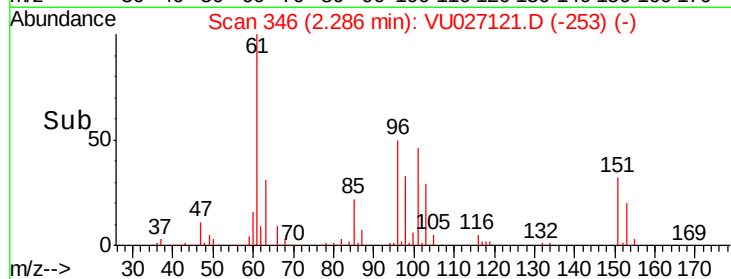
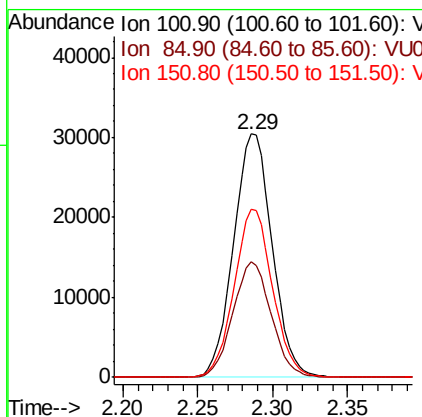
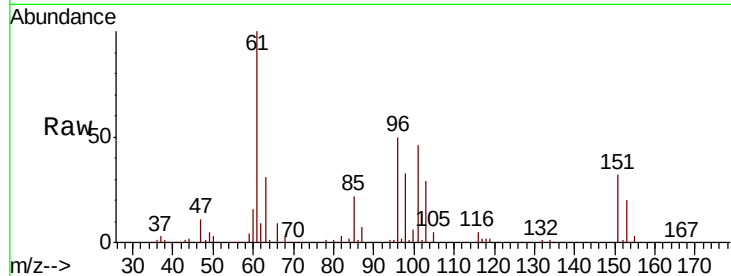
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.560 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

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Tot Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.2
151	68.3	54.5	81.7

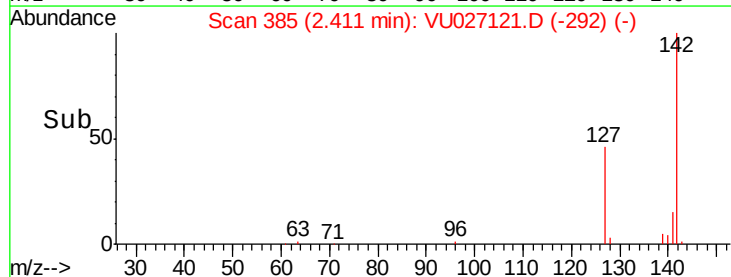
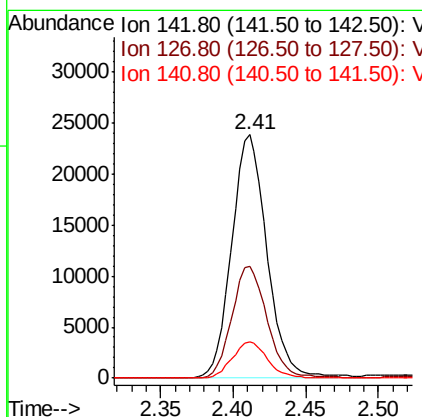
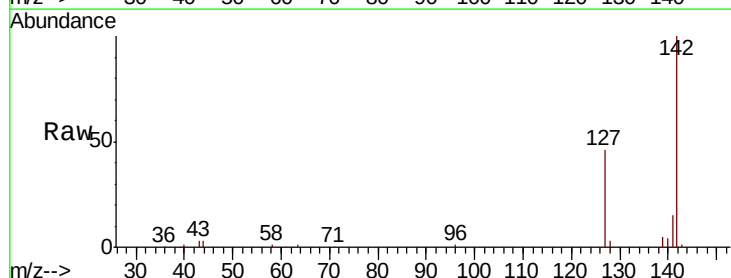
Manual Integrations
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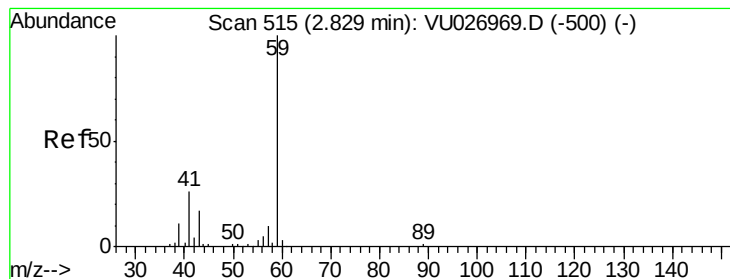
MMDadoda
 9/25/2018 11:34:16 AM



#10
 Methyl Iodide
 Concen: 27.611 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.0	36.7	55.1
141	14.7	11.8	17.6





#11

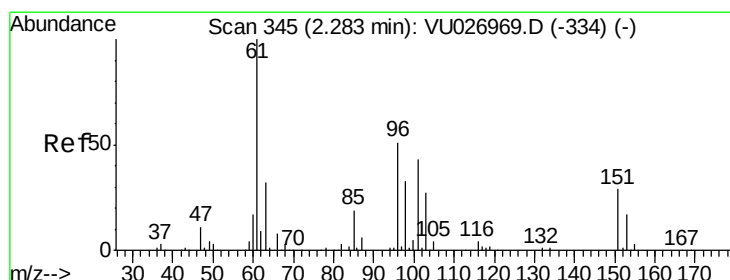
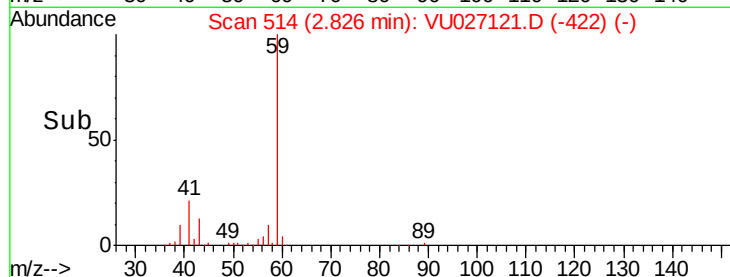
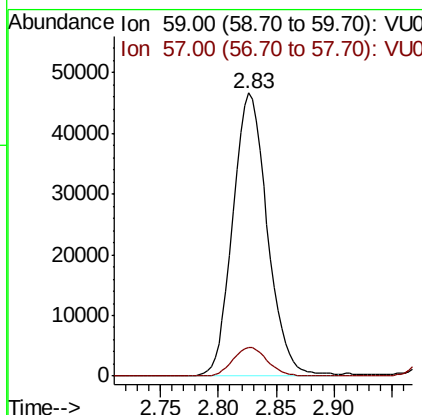
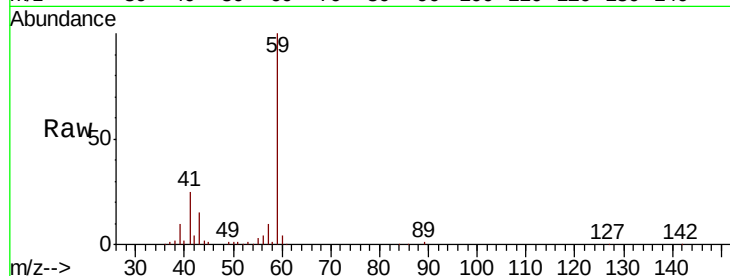
Tert butyl alcohol
 Concen: 261.250 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
 APPROVED

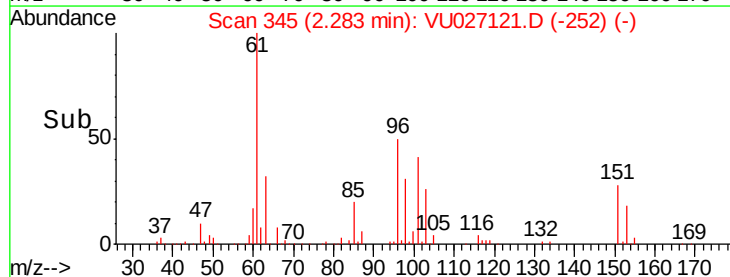
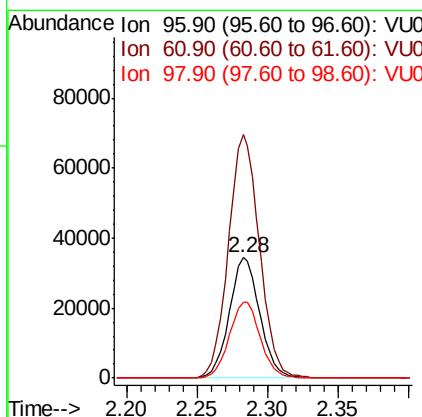
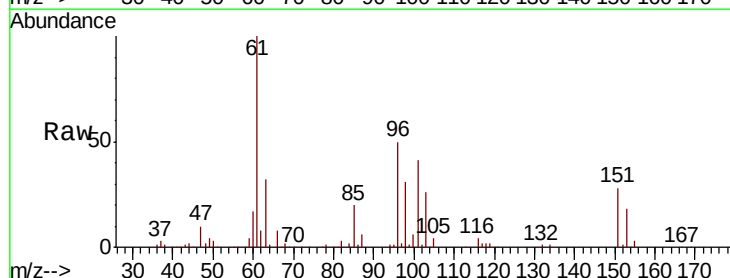
MMDadoda
 9/25/2018 11:34:16 AM

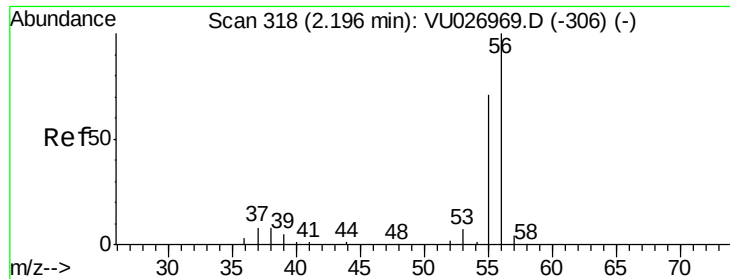


#12

1,1-Dichloroethene
 Concen: 46.988 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.7	156.1	234.1
98	63.4	51.4	77.0





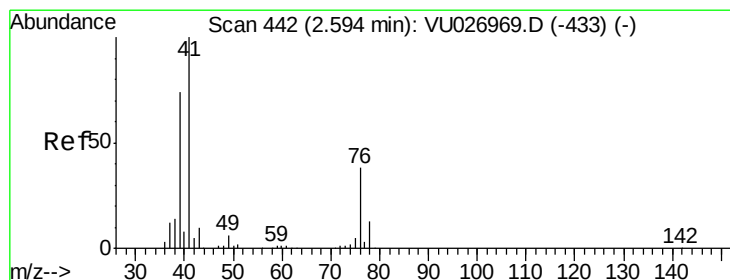
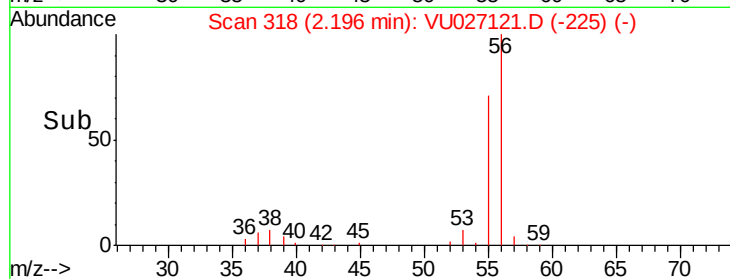
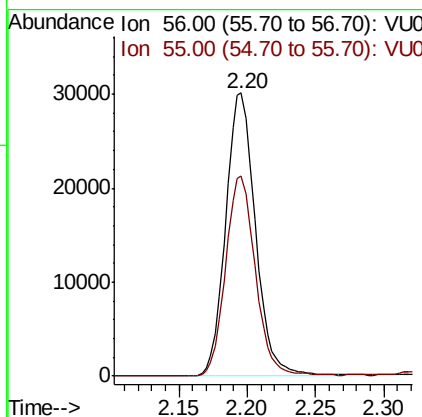
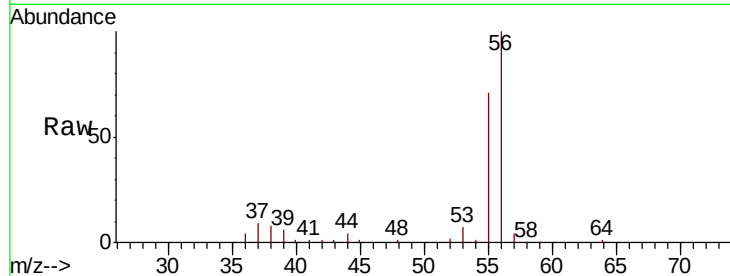
#13
Acrolein
Concen: 230.564 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.1	85.7

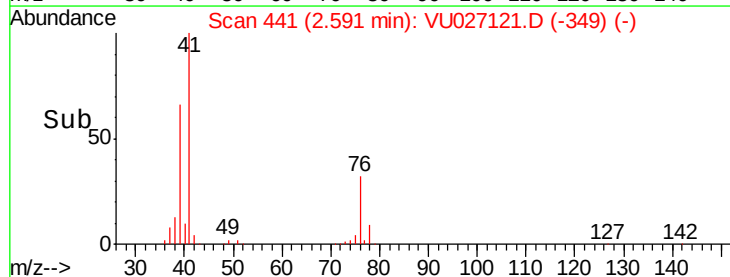
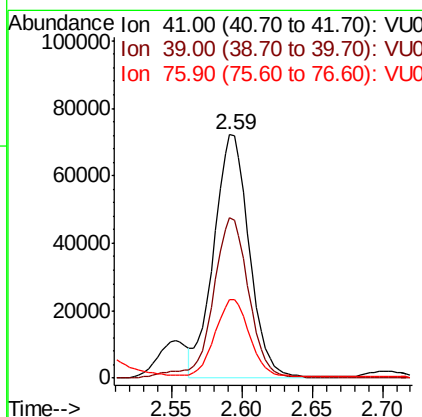
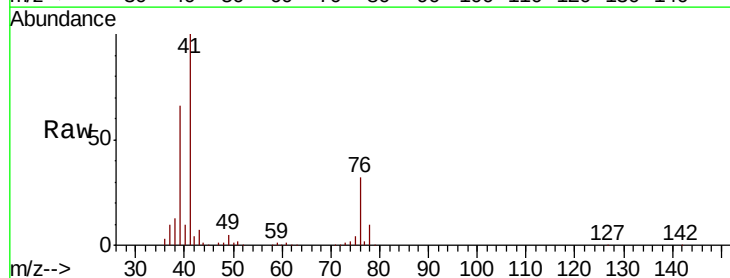
Manual Integrations
APPROVED

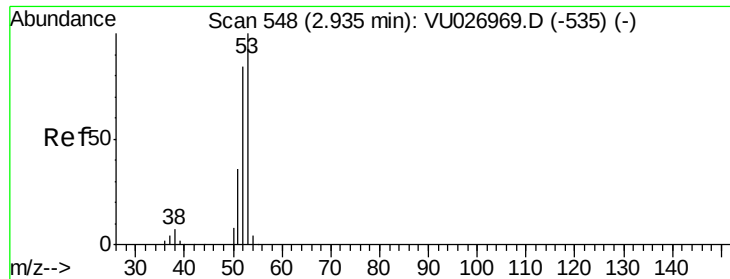
MMDadoda
9/25/2018 11:34:16 AM



#14
Allyl chloride
Concen: 55.967 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	55.7	83.5
76	31.3	26.5	39.7





#15

Acrylonitrile

Concen: 267.349 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

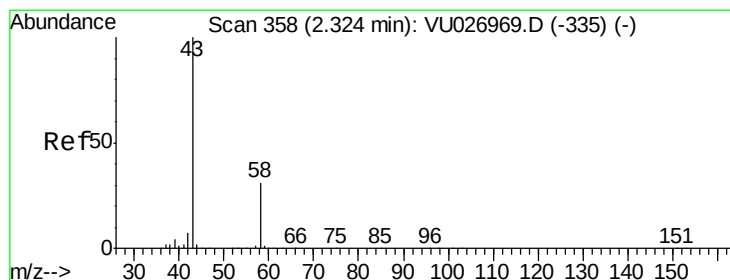
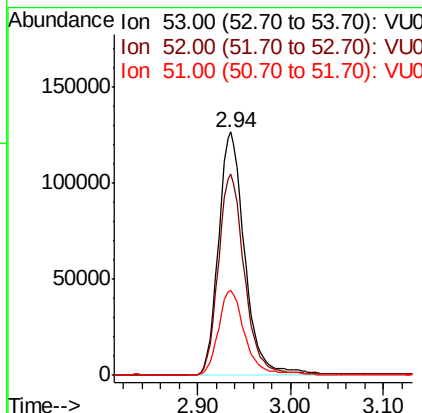
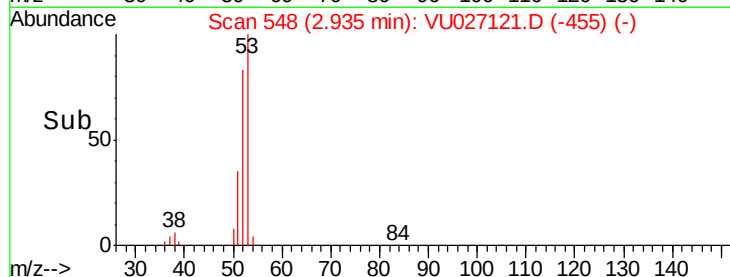
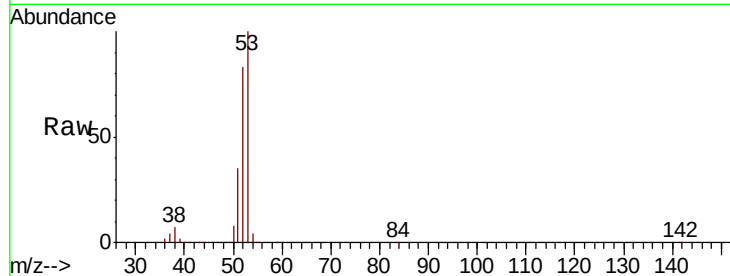
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	249249
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	35.8	27.4	41.2

Manual Integrations
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MMDadoda
9/25/2018 11:34:16 AM



#16

Acetone

Concen: 259.486 ug/l

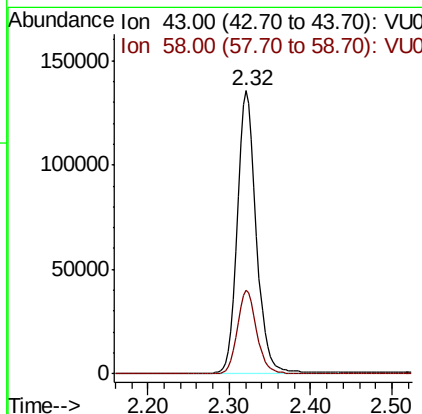
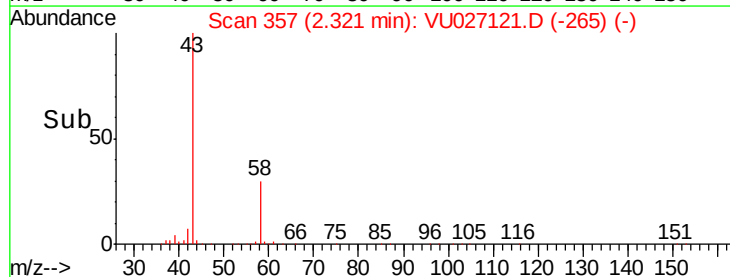
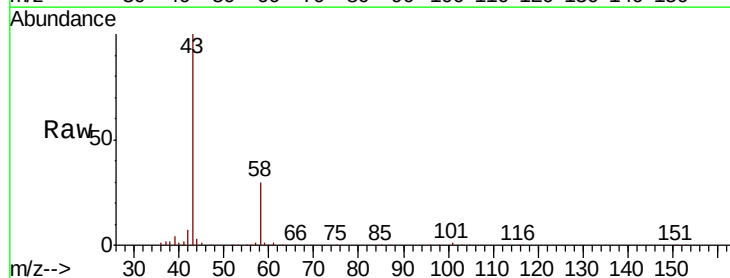
RT: 2.32 min Scan# 357

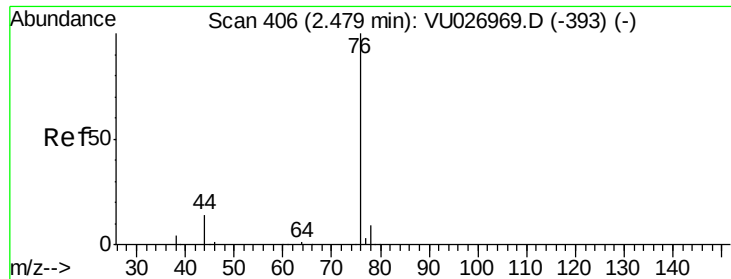
Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion:	43	Resp:	221906
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.6	36.8





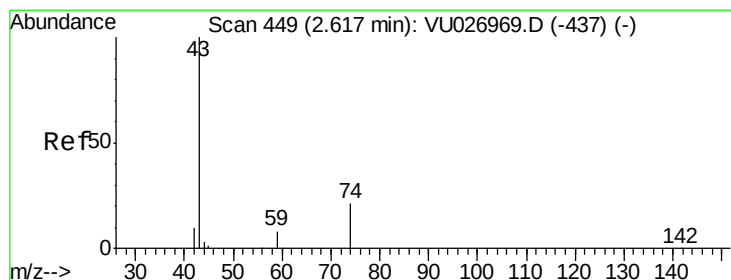
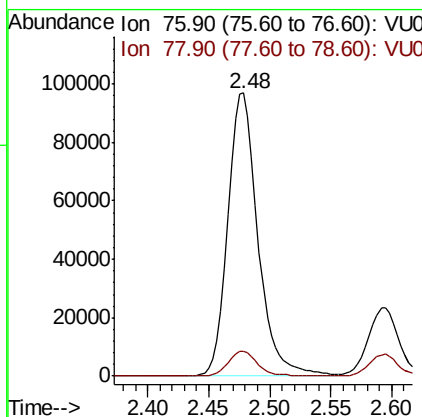
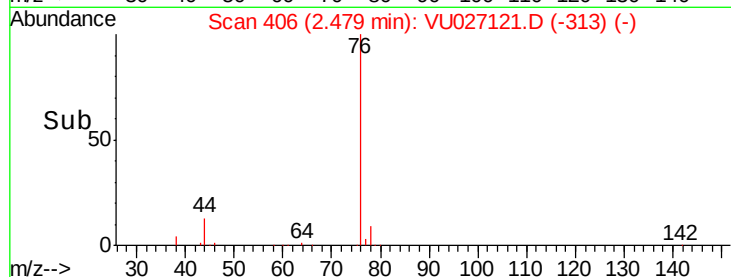
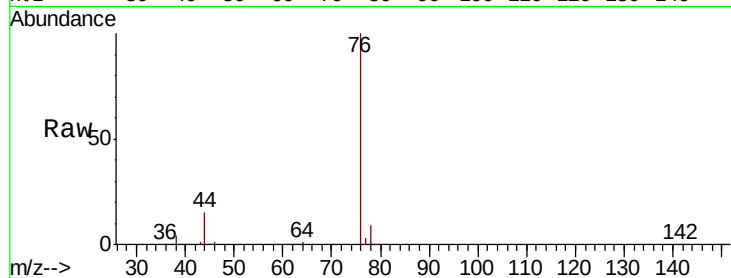
#17
Carbon Disulfide
Concen: 46.521 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

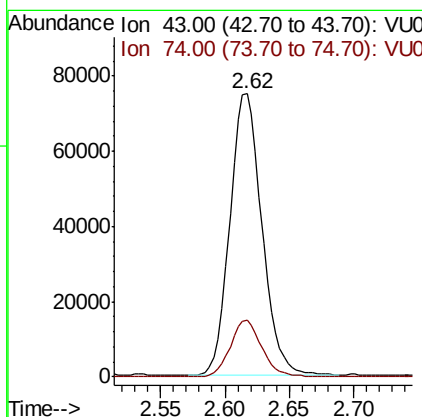
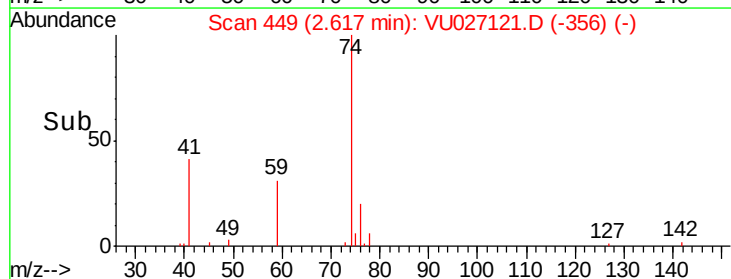
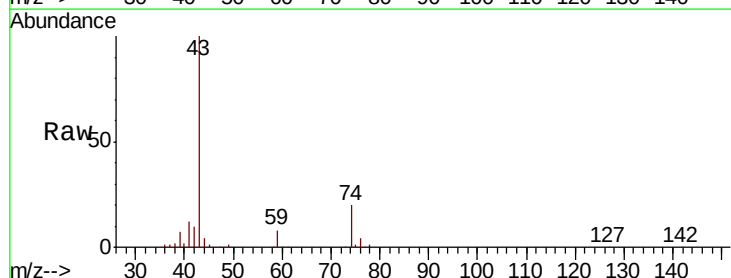
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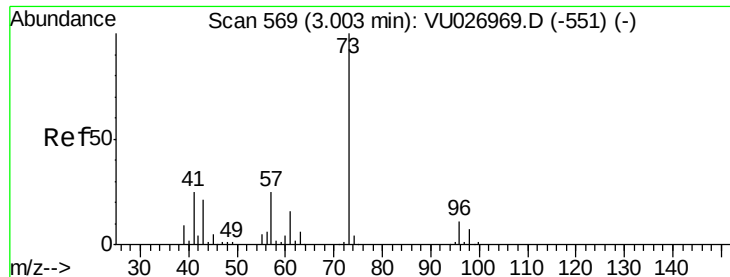
MMDadoda
9/25/2018 11:34:16 AM



#18
Methyl Acetate
Concen: 56.199 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.6	25.0





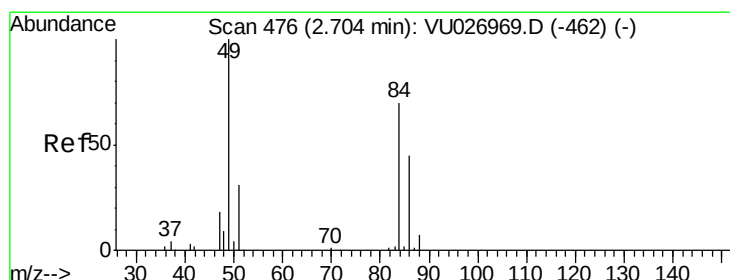
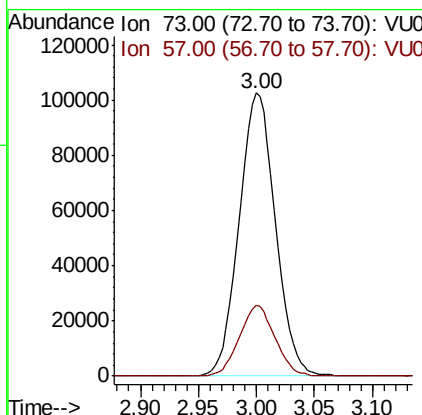
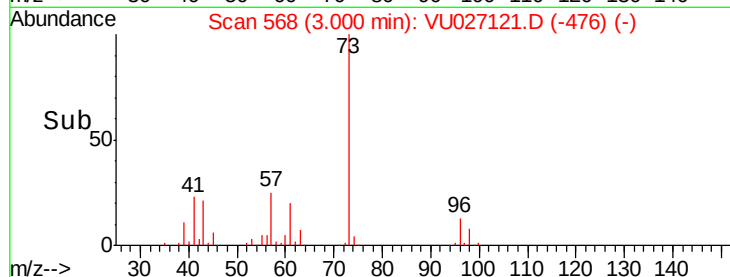
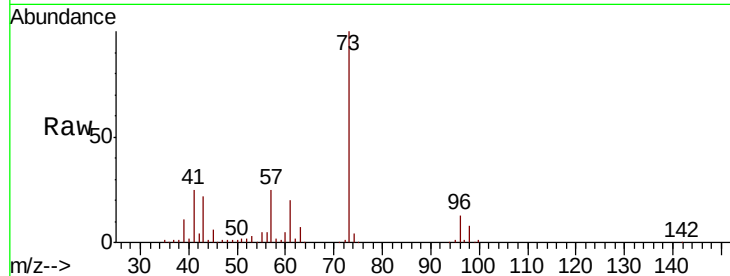
#19
Methyl tert-butyl Ether
Concen: 54.921 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 223509
Ion Ratio Lower Upper
73 100
57 24.9 19.8 29.6

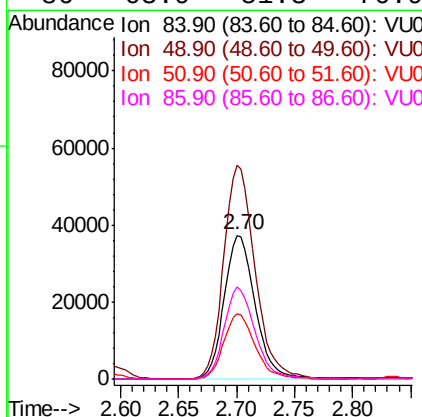
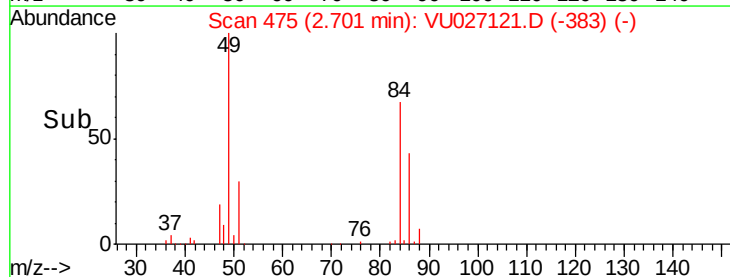
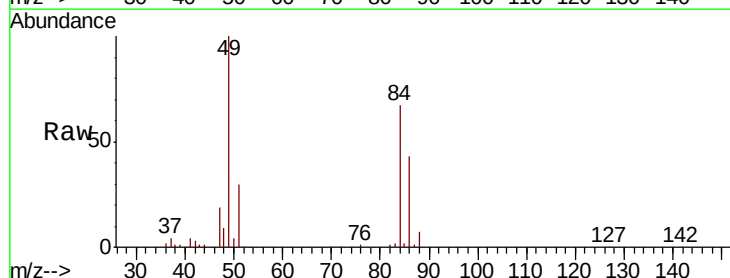
Manual Integrations
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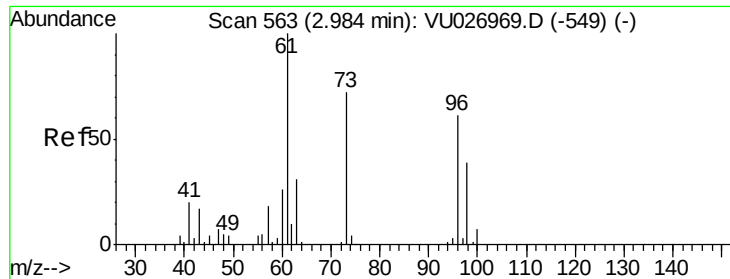
MMDadoda
9/25/2018 11:34:16 AM



#20
Methylene Chloride
Concen: 47.698 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion: 84 Resp: 68939
Ion Ratio Lower Upper
84 100
49 148.9 114.9 172.3
51 45.4 35.8 53.8
86 63.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.564 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

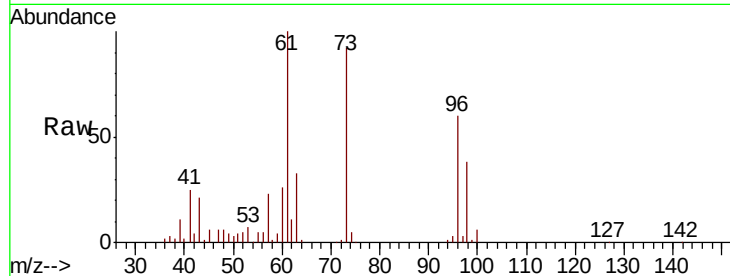
ClientSampleId :

VSTDCCC050EC

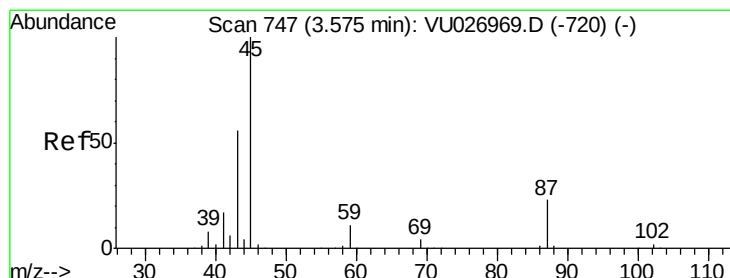
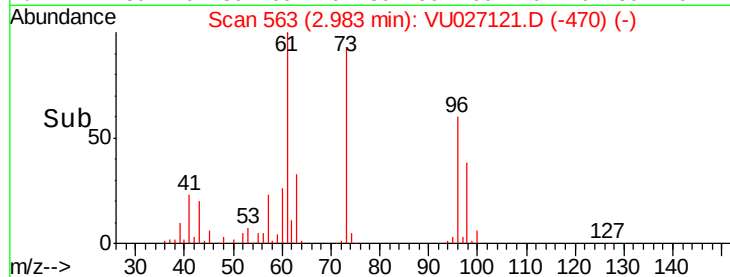
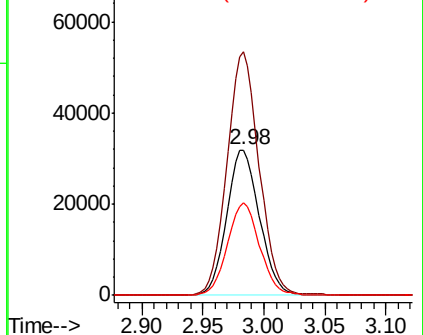
Tot Ion:	96	Resp:	59787
Ion	Ratio	Lower	Upper
96	100		
61	167.5	131.8	197.6
98	63.5	50.9	76.3

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 57.346 ug/l

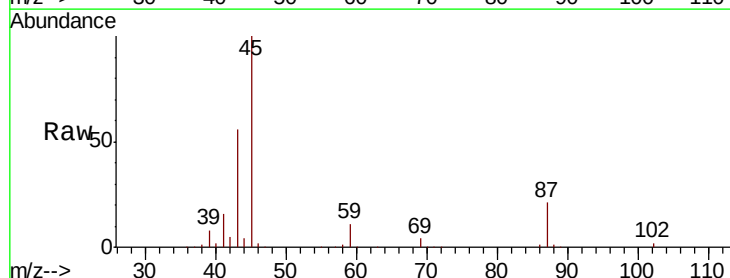
RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

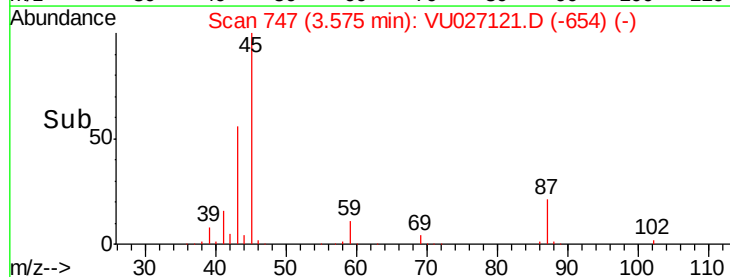
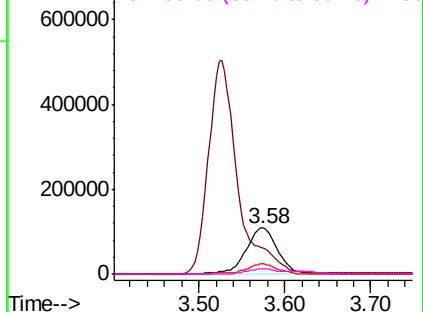
Lab File: VU027121.D

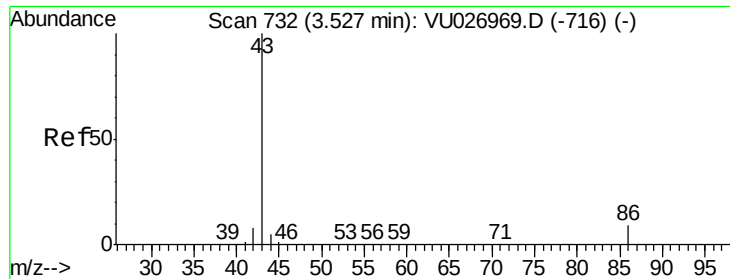
Acq: 24 Sep 2018 20:00

Tgt Ion:	45	Resp:	275515
Ion	Ratio	Lower	Upper
45	100		
43	53.4	45.8	68.6
87	21.3	18.6	28.0
59	11.2	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





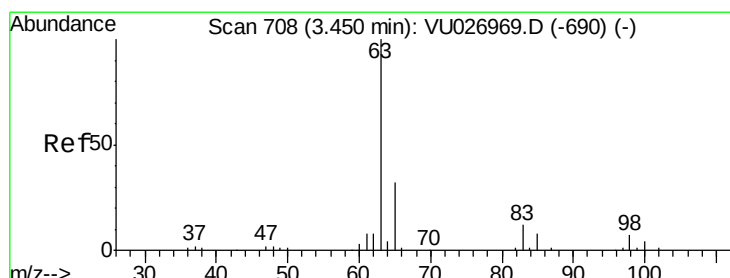
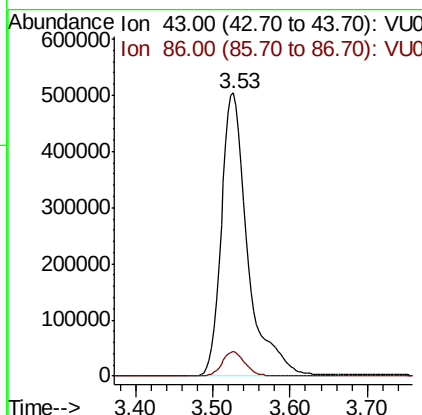
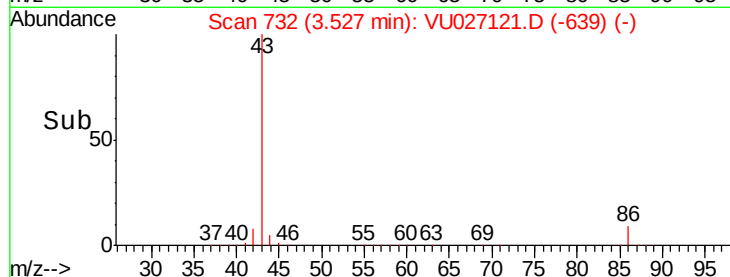
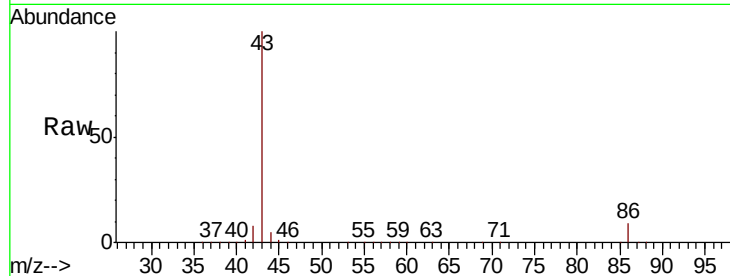
#23
 Vinyl Acetate
 Concen: 293.351 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1201386
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.2 10.8

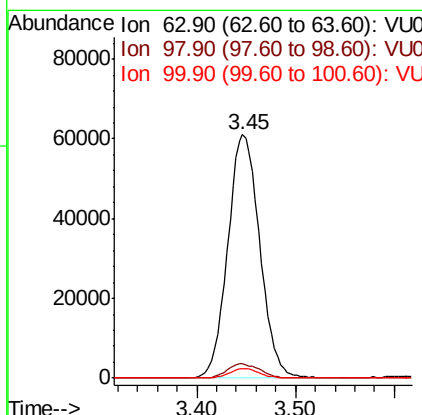
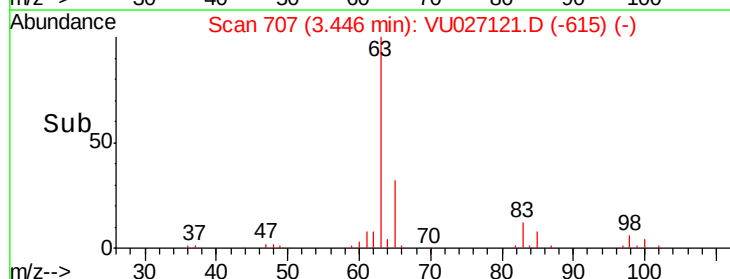
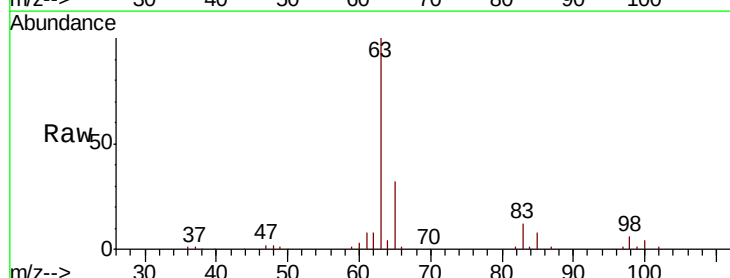
Manual Integrations
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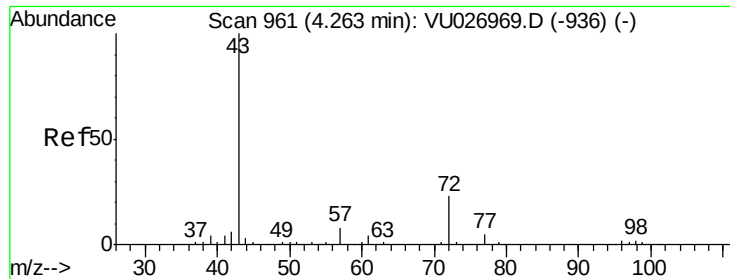
MMDadoda
 9/25/2018 11:34:16 AM



#24
 1,1-Dichloroethane
 Concen: 52.232 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion: 63 Resp: 138209
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.8
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 263.808 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 357789

Ion Ratio Lower Upper

43 100

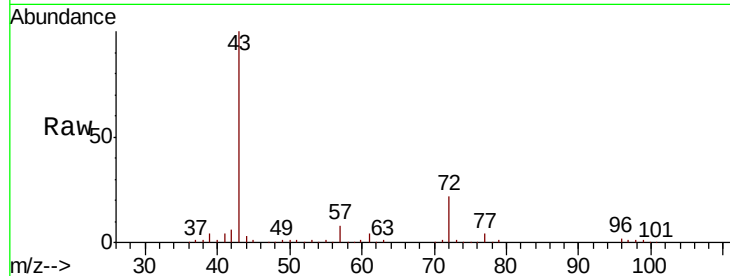
72 22.3 18.4 27.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

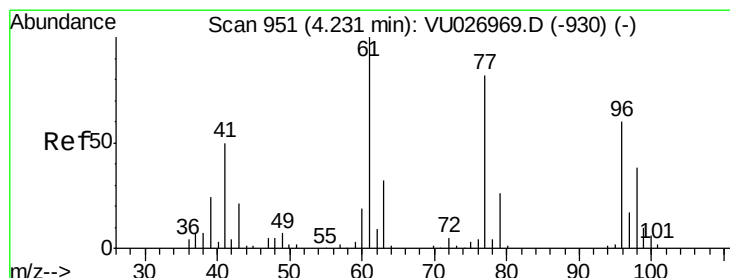
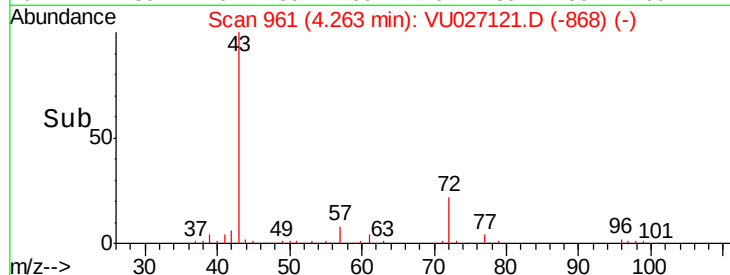
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.888 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027121.D

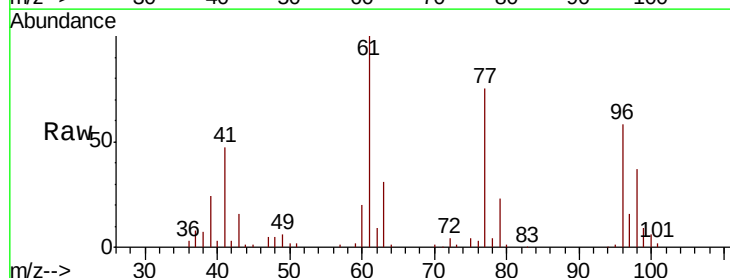
Acq: 24 Sep 2018 20:00

Tgt Ion: 77 Resp: 100887

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

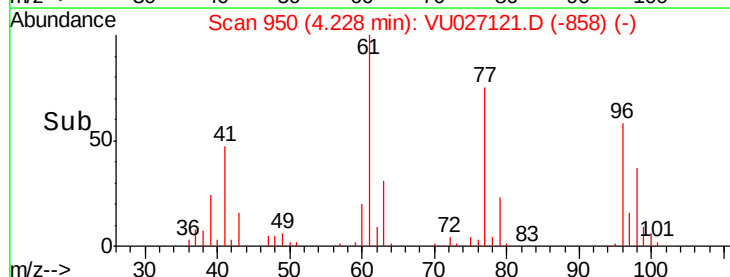
20000

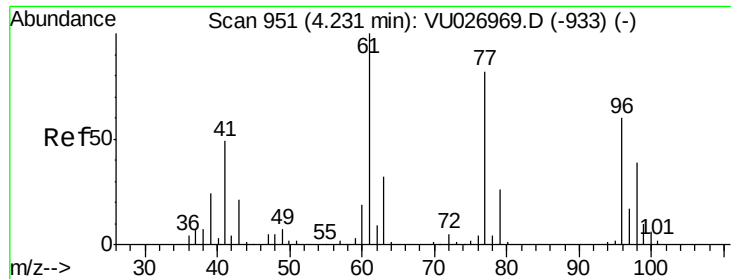
10000

0

4.10 4.20 4.30

Time-->





#27

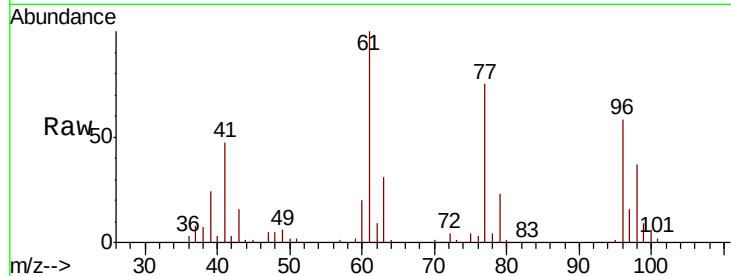
cis-1,2-Dichloroethene
Concen: 52.596 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

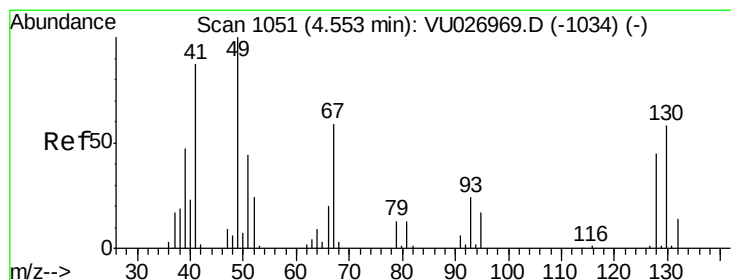
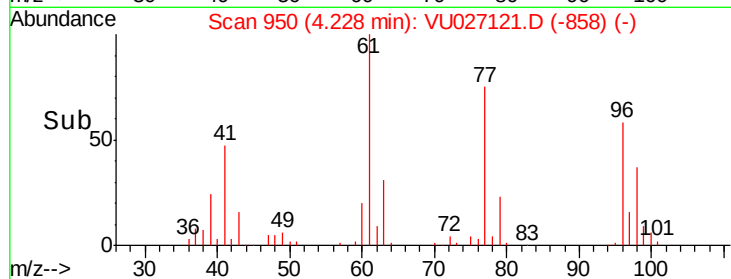
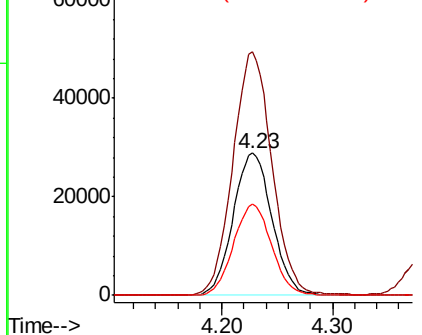
Tot Ion	Ratio	Lower	Upper
96	100		
61	172.8	0.0	337.2
98	62.9	0.0	127.6

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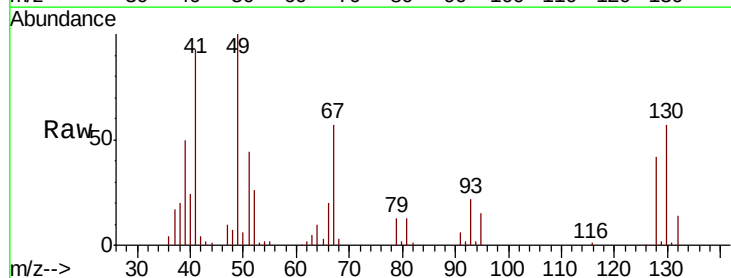
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



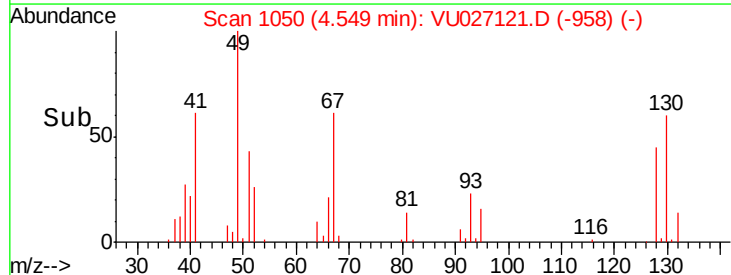
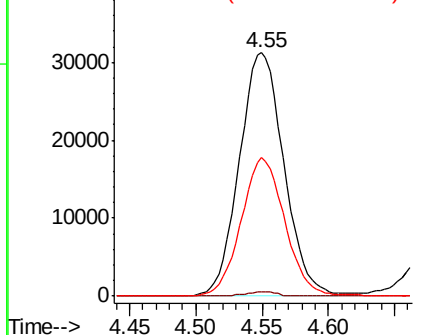
#28

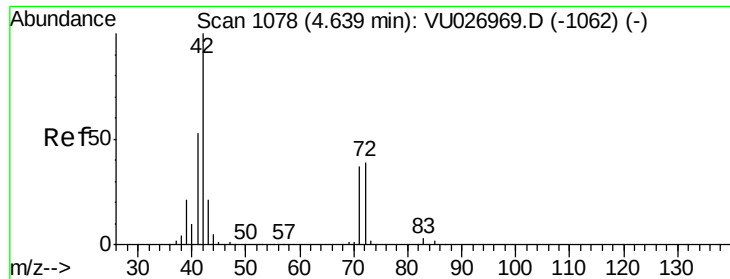
Bromochloromethane
Concen: 57.160 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	55.8	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





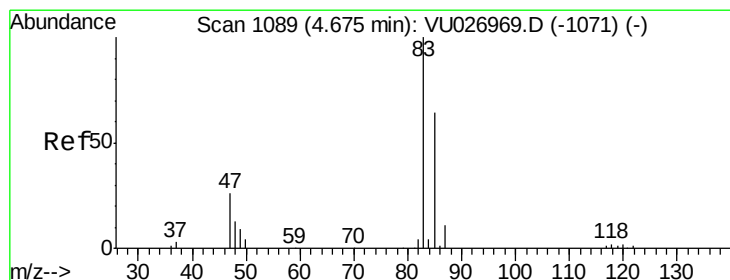
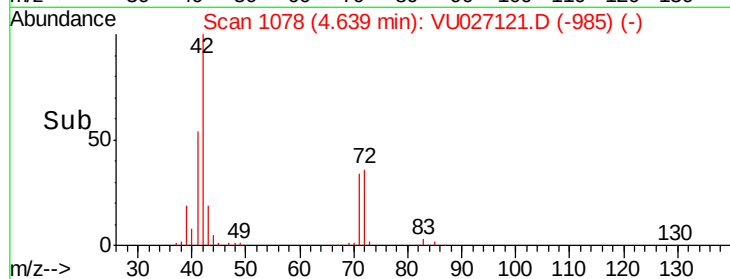
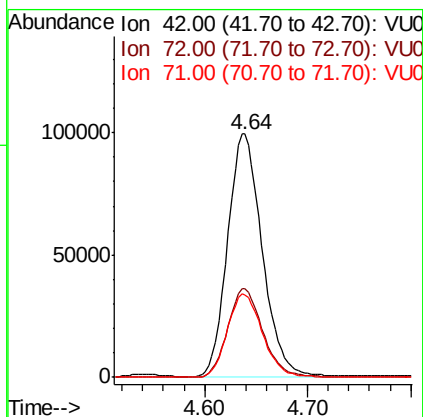
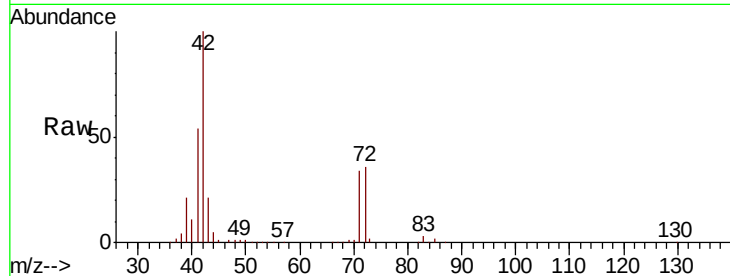
#29
Tetrahydrofuran
Concen: 283.370 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	31.7	47.5
71	34.9	29.6	44.4

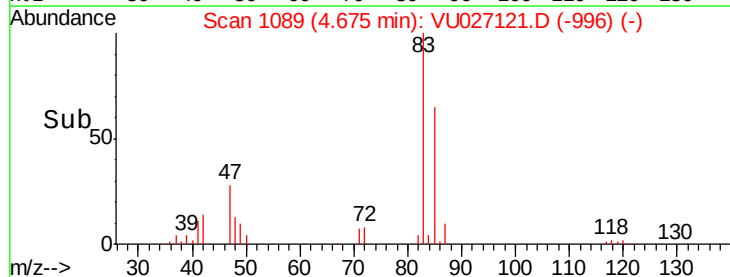
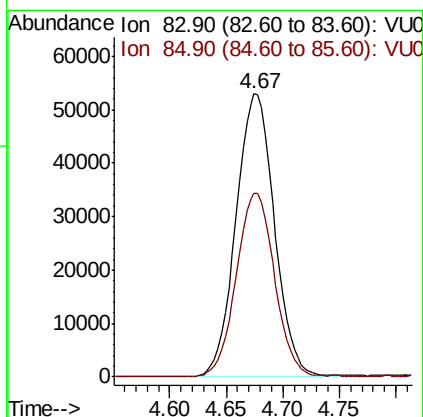
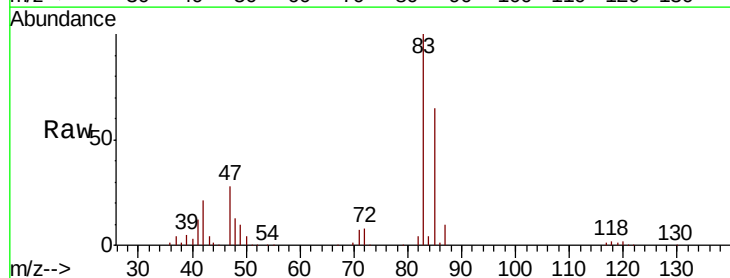
Manual Integrations
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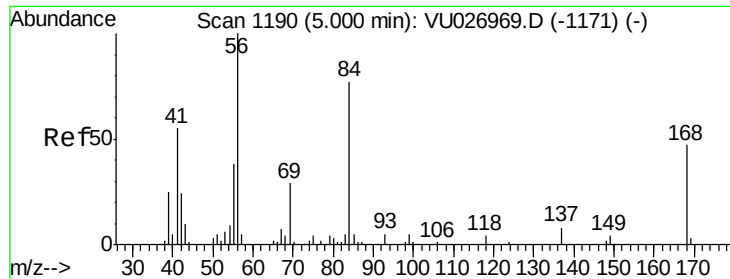
MMDadoda
9/25/2018 11:34:16 AM



#30
Chloroform
Concen: 51.015 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





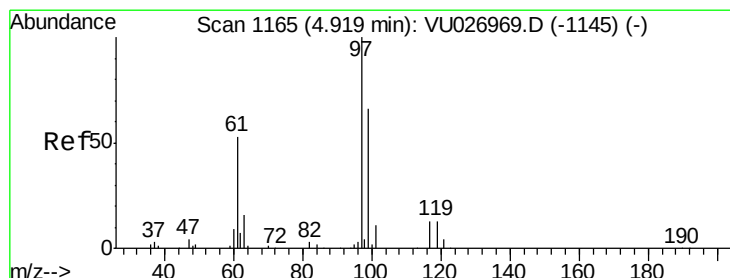
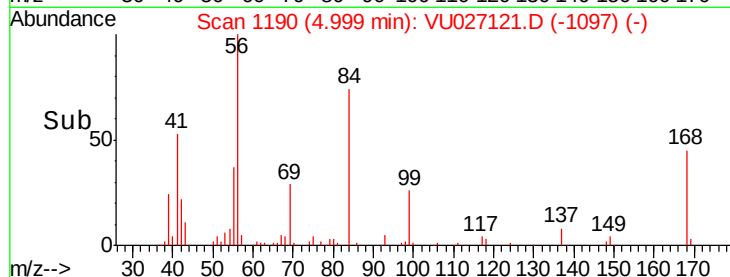
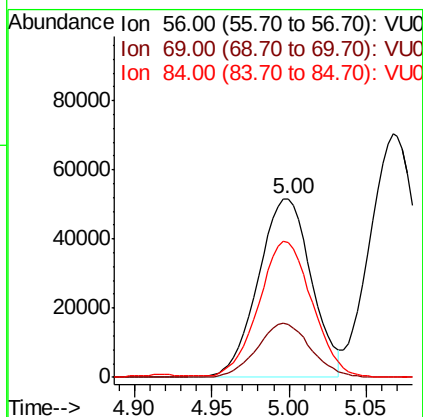
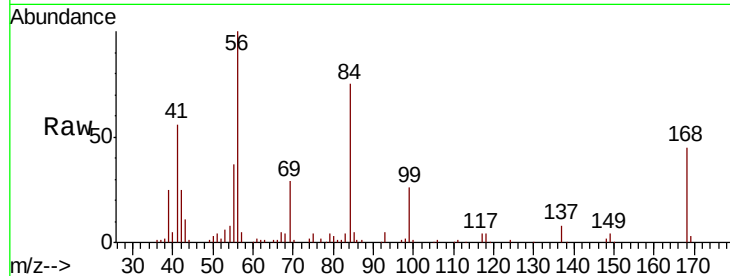
#31
Cyclohexane
Concen: 51.433 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	74.5	61.4	92.2

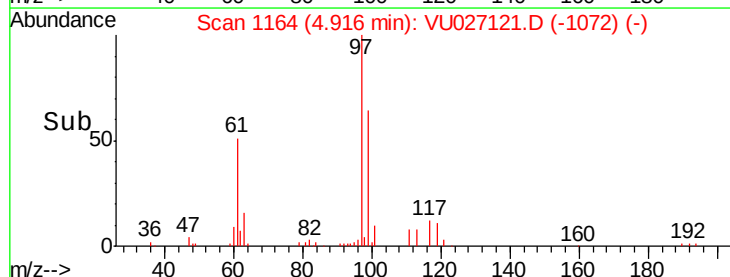
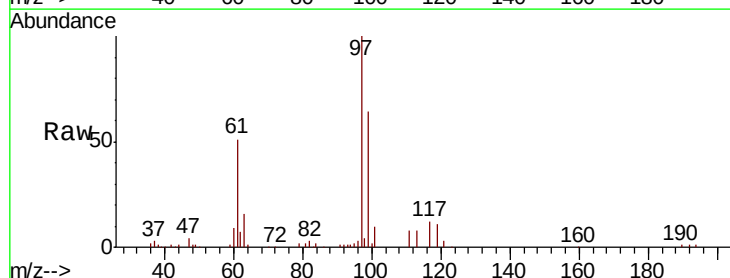
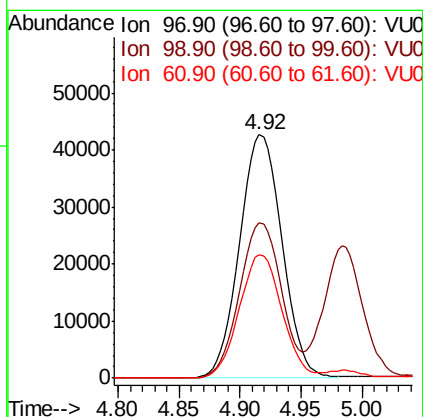
Manual Integrations
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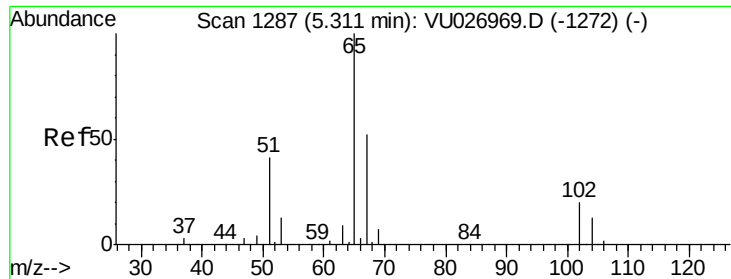
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.583 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.8	77.6
61	50.9	41.1	61.7





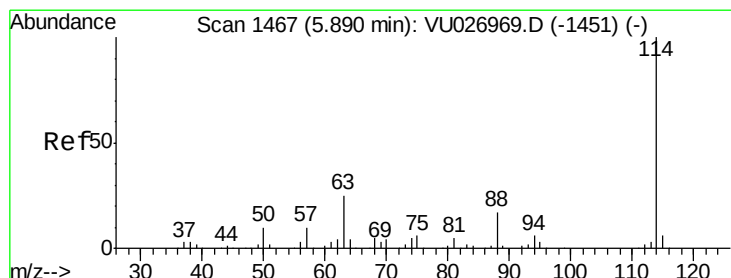
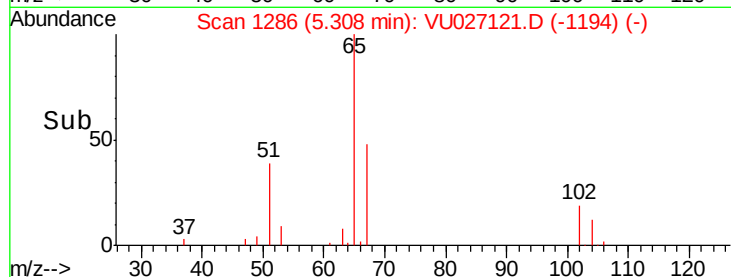
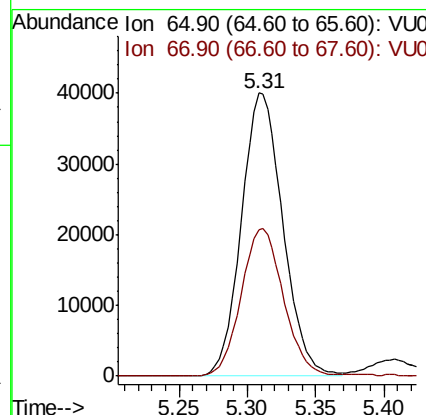
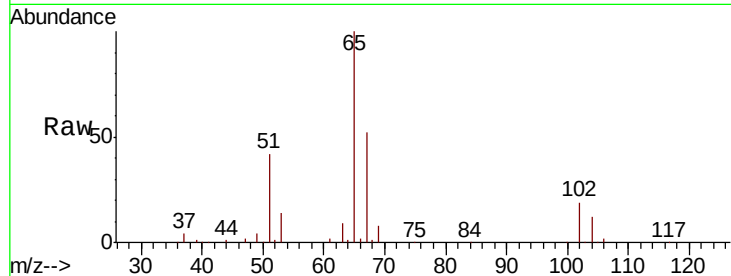
#33
 1,2-Dichloroethane-d4
 Concen: 52.311 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.6

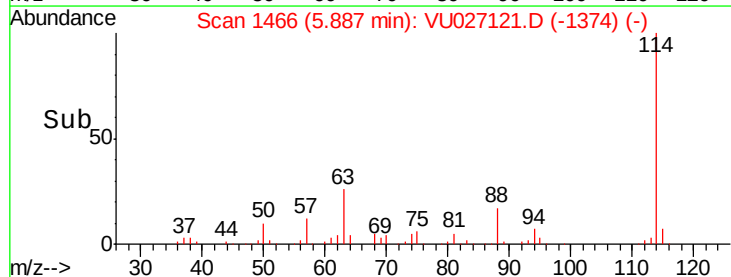
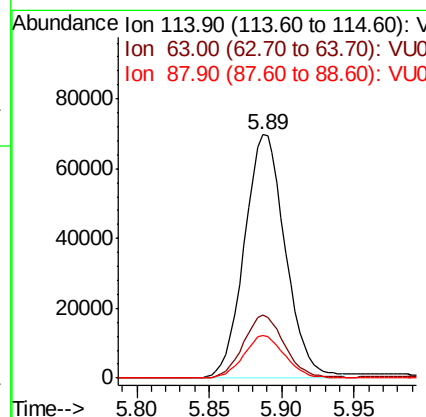
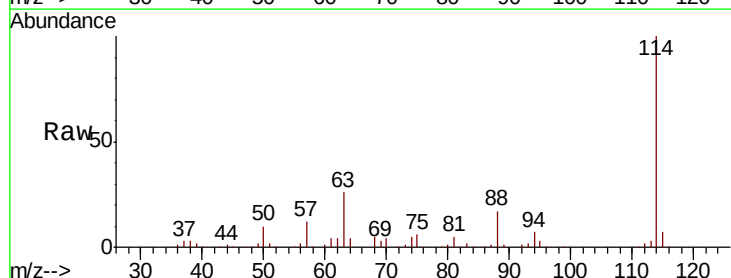
Manual Integrations
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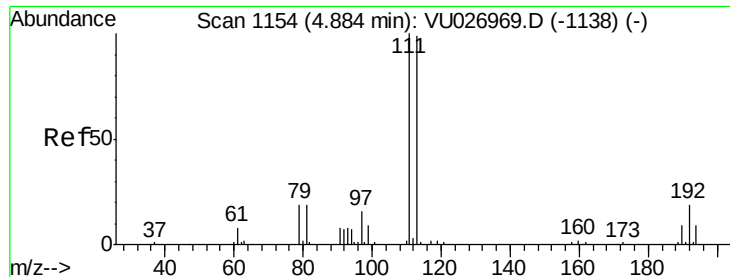
MMDadoda
 9/25/2018 11:34:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.9	0.0	49.2
88	17.4	0.0	33.8





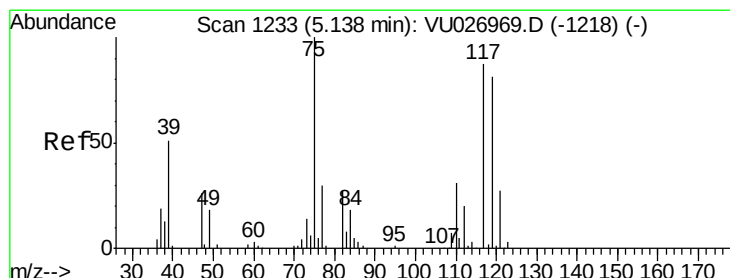
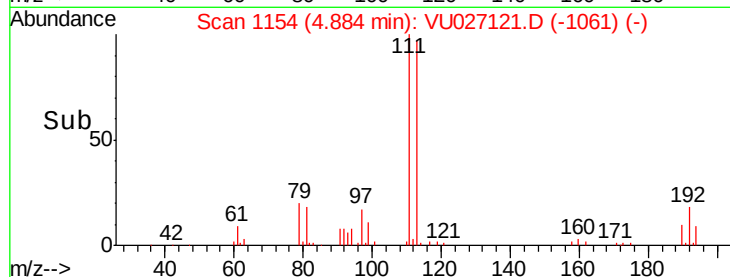
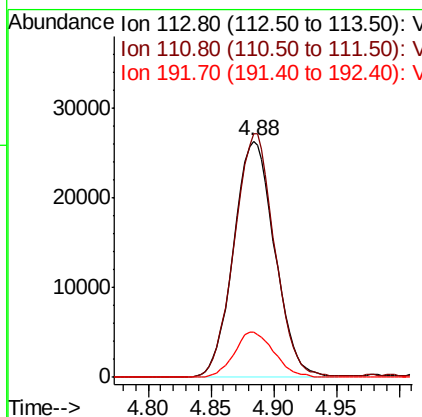
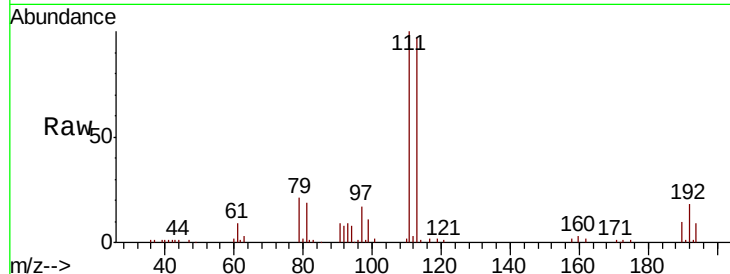
#35
 Dibromofluoromethane
 Concen: 50.617 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	18.4	15.2	22.8

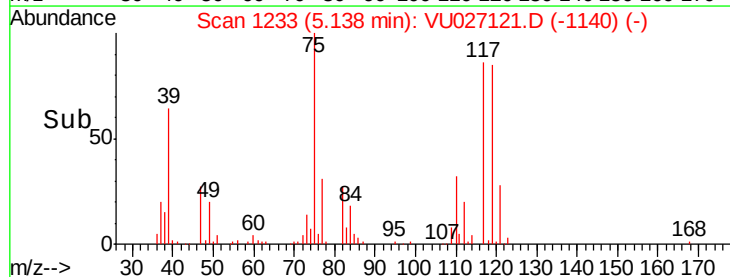
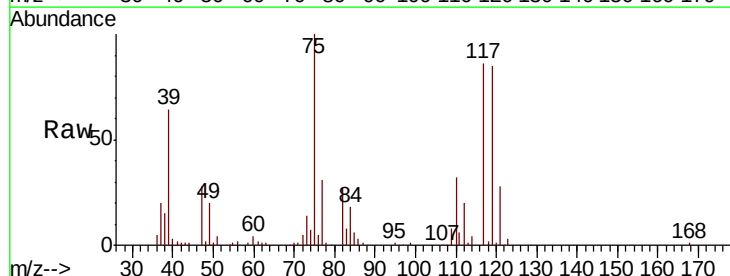
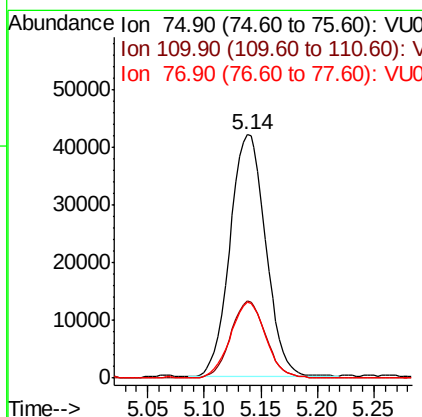
Manual Integrations
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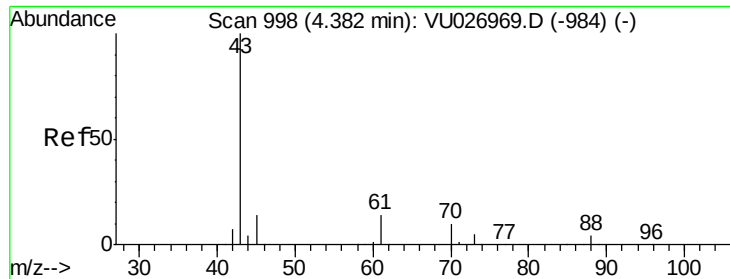
MMDadoda
 9/25/2018 11:34:16 AM



#36
 1,1-Dichloropropene
 Concen: 50.432 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.1	48.2
77	31.3	24.6	36.8





#37

Ethyl Acetate

Concen: 53.051 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

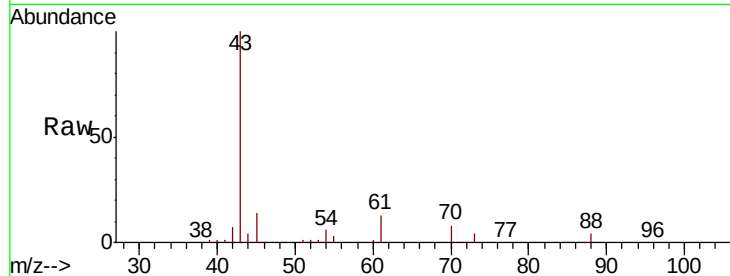
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	131322
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	8.7	7.4	11.0

Manual Integrations
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MMDadoda
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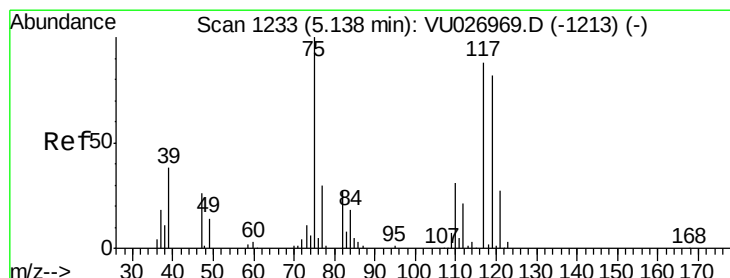
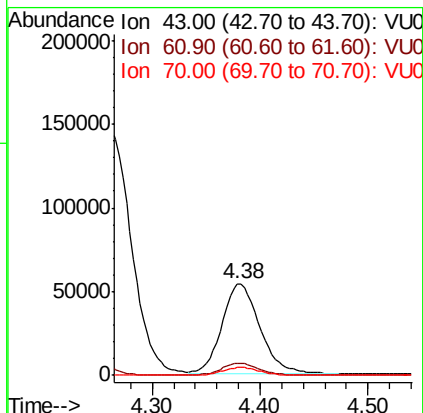
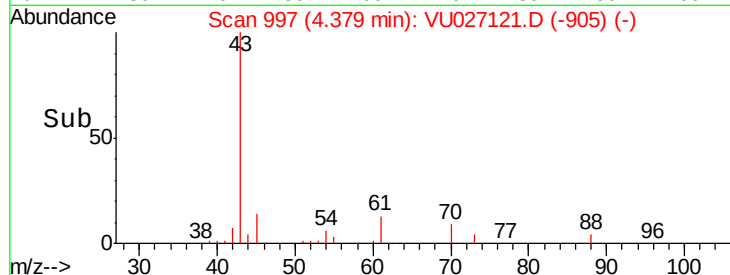


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 49.179 ug/l

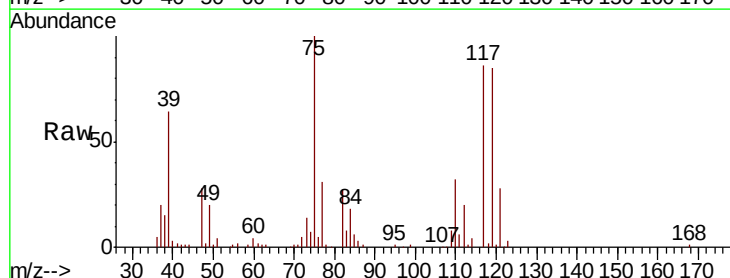
RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion:	117	Resp:	85578
Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.4	111.6
121	31.9	24.2	36.4

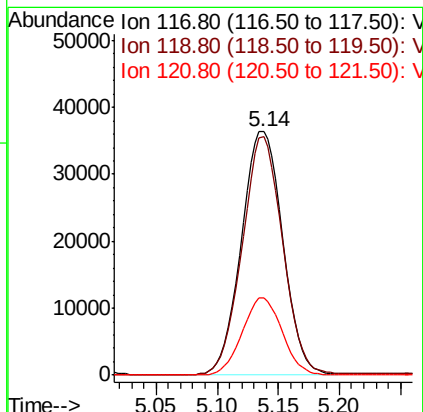
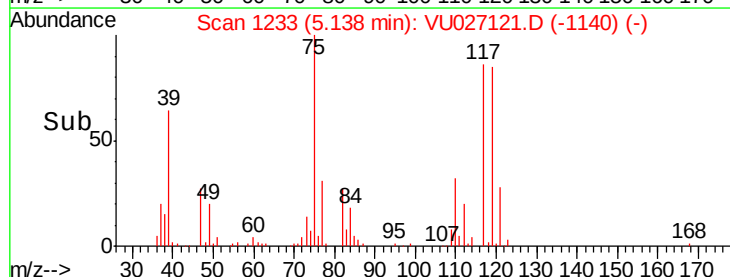


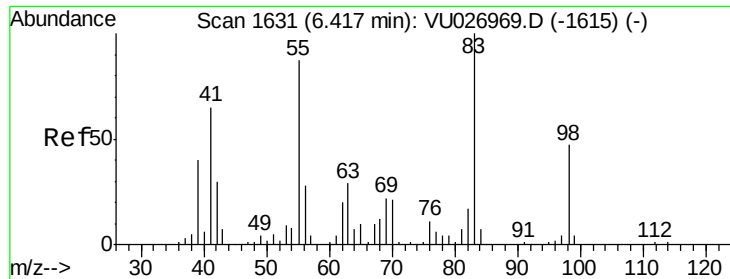
Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

Time-->





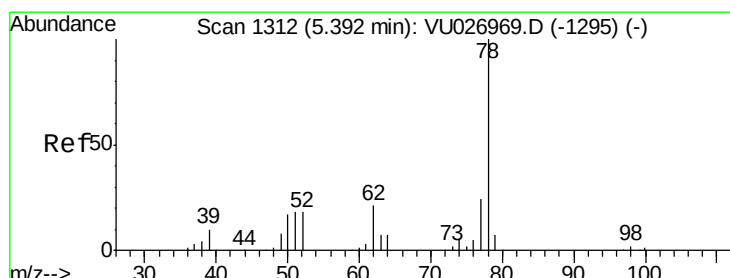
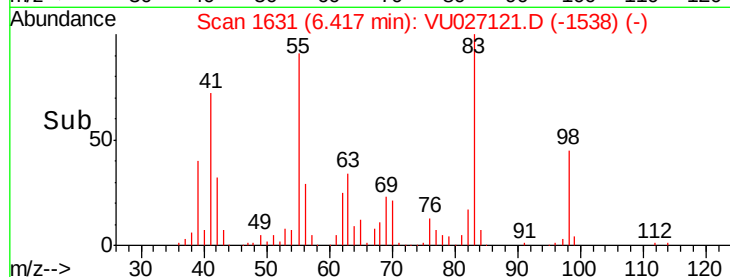
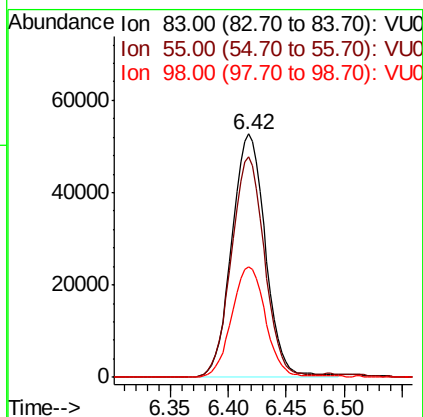
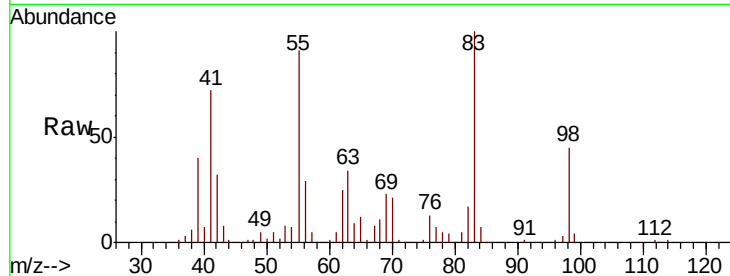
#39
Methylvlcyclohexane
Concen: 53.677 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	106664
Ion	Ratio	Lower	Upper
83	100		
55	90.6	69.9	104.9
98	45.4	37.5	56.3

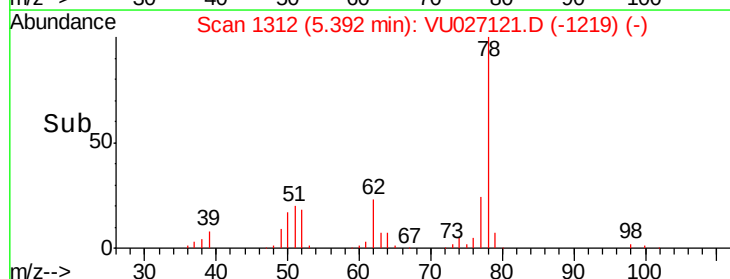
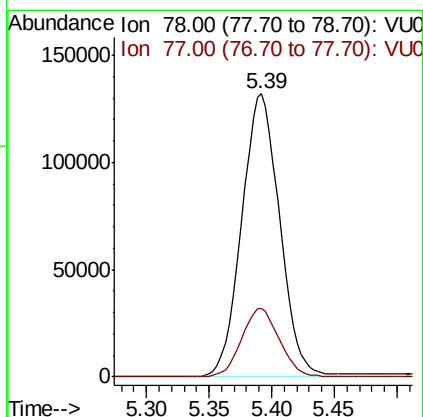
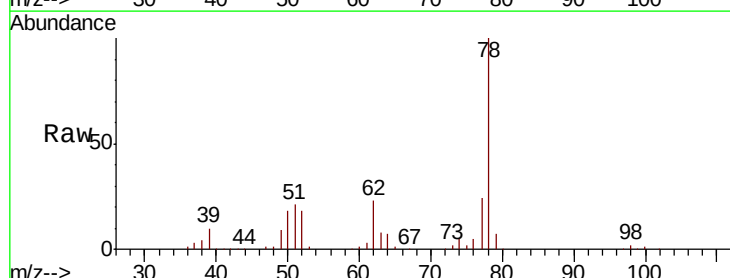
Manual Integrations
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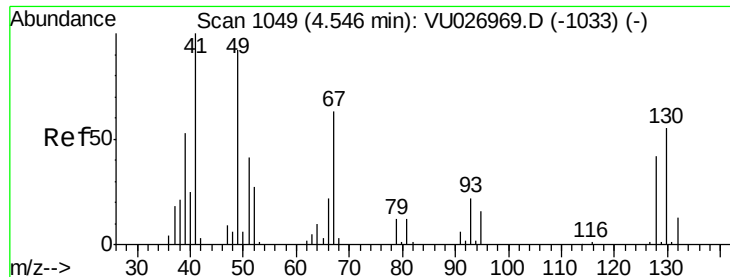
MMDadoda
9/25/2018 11:34:16 AM



#40
Benzene
Concen: 50.087 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	78.00	Resp	278422
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





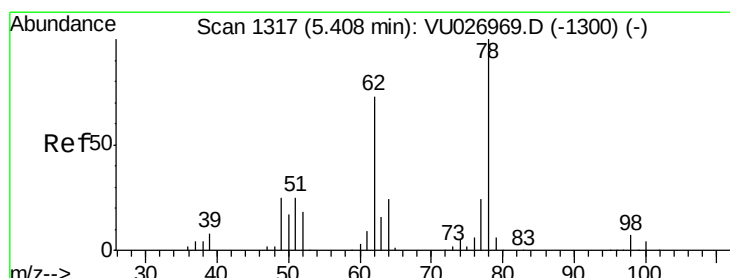
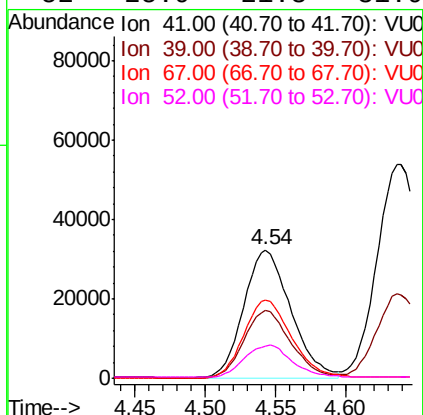
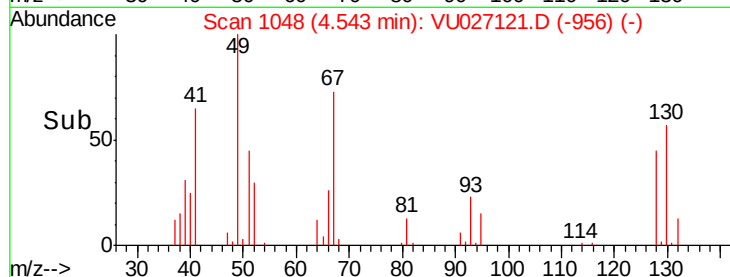
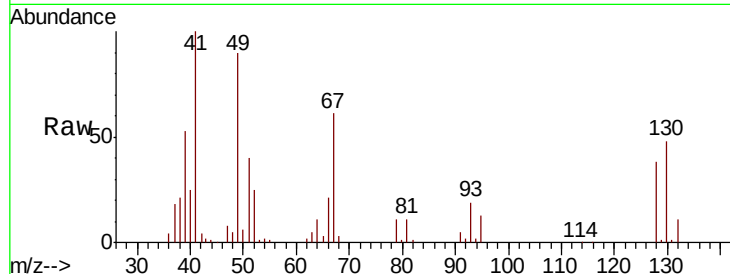
#41
Methacrylonitrile
Concen: 58.555 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.9	64.3	
67	62.9	52.4	78.6	
52	25.9	21.3	31.9	

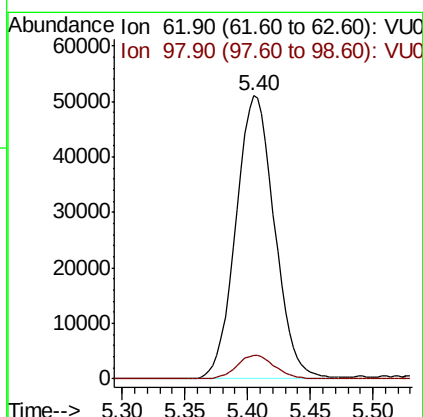
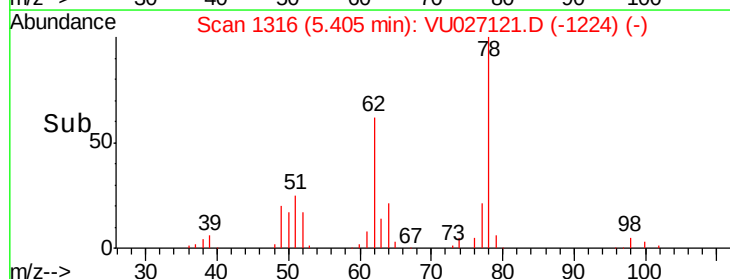
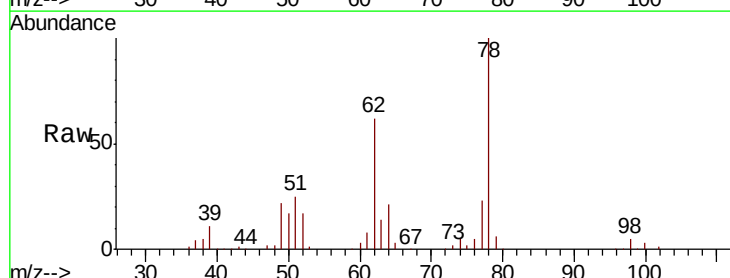
Manual Integrations
APPROVED

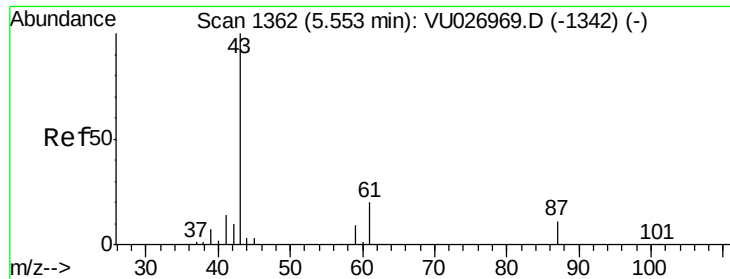
MMDadoda
9/25/2018 11:34:16 AM



#42
1,2-Dichloroethane
Concen: 52.057 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

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





#43

Isopropyl Acetate

Concen: 56.113 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

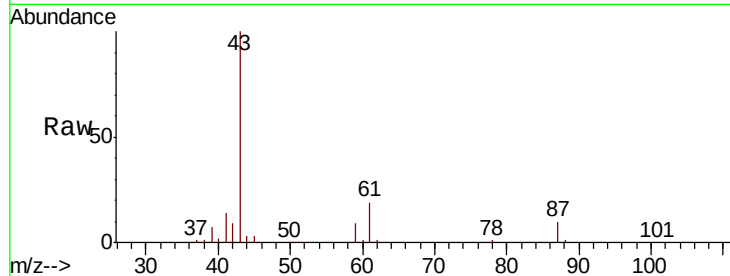
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	202573
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	10.5	9.0	13.4

Manual Integrations
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9/25/2018 11:34:16 AM

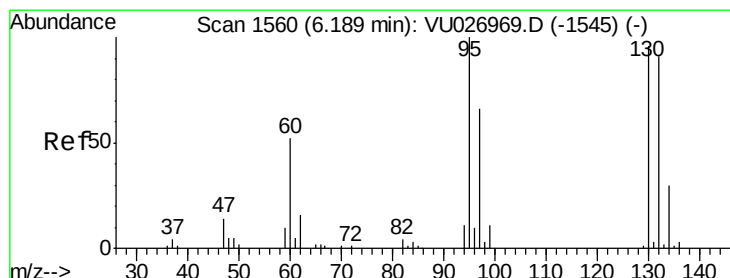
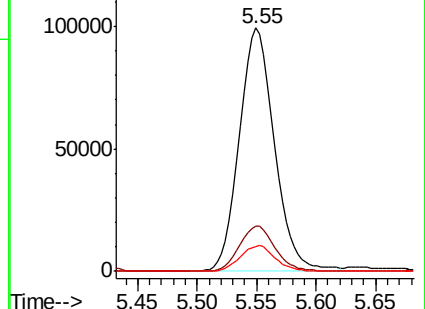
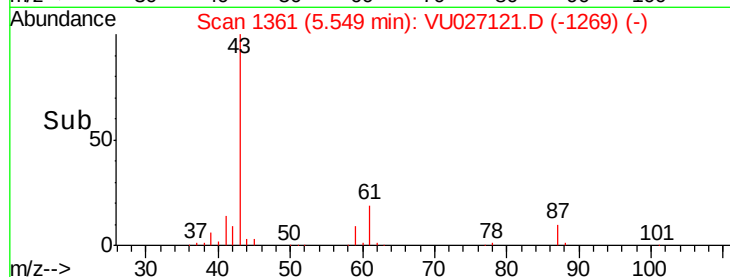


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)

Time-->



#44

Trichloroethene

Concen: 50.512 ug/l

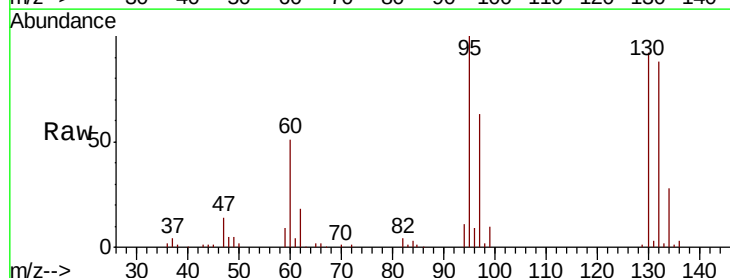
RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

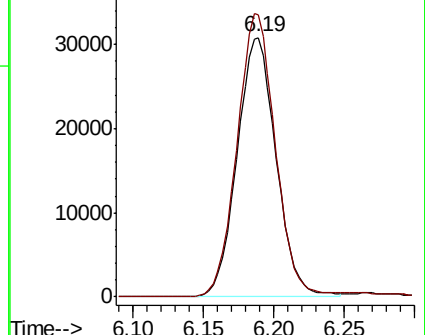
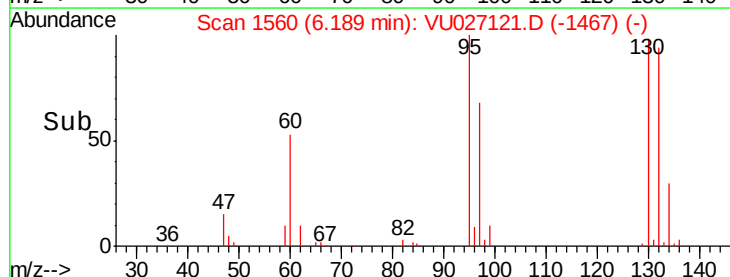
Tgt Ion:	130	Resp:	59777
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	208.8

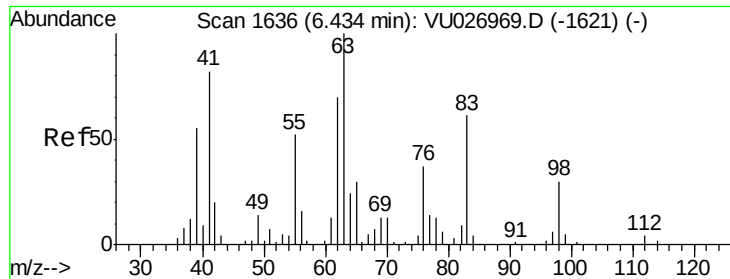


Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

Time-->





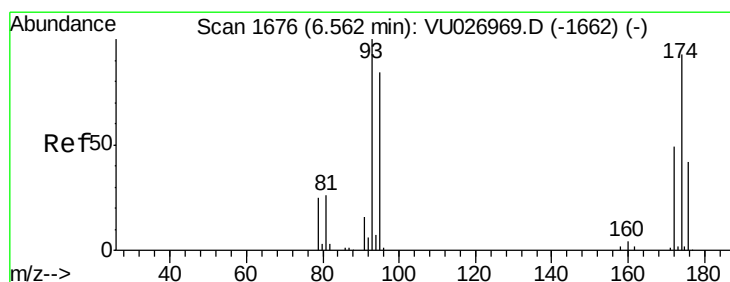
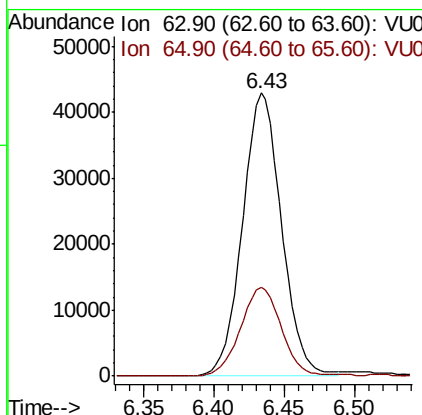
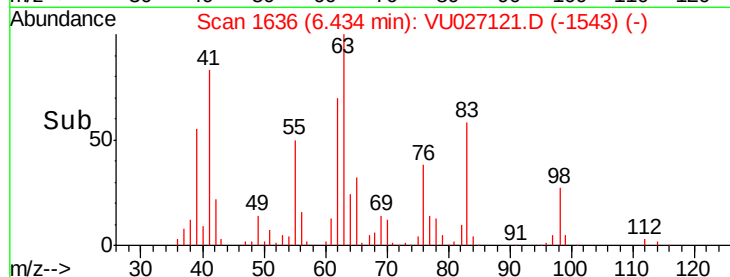
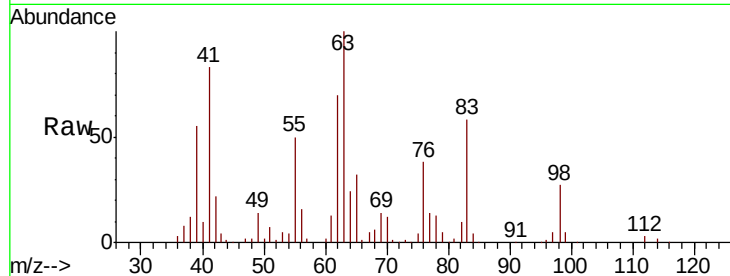
#45
 1,2-Dichloropropane
 Concen: 52.512 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 83173
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

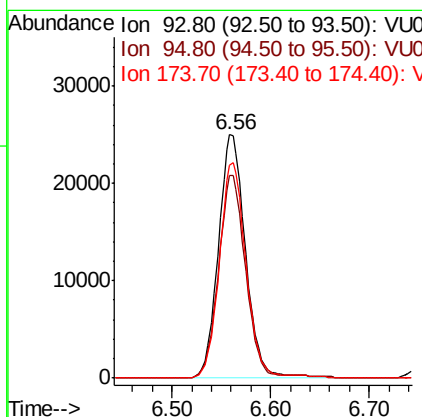
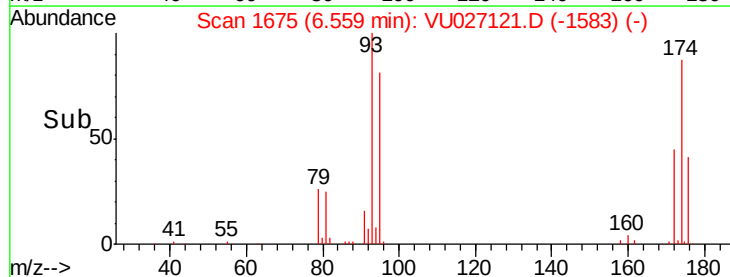
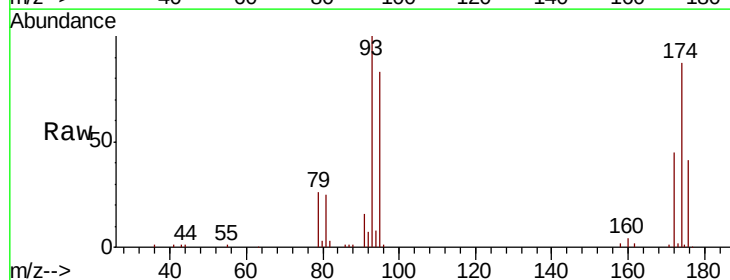
Manual Integrations
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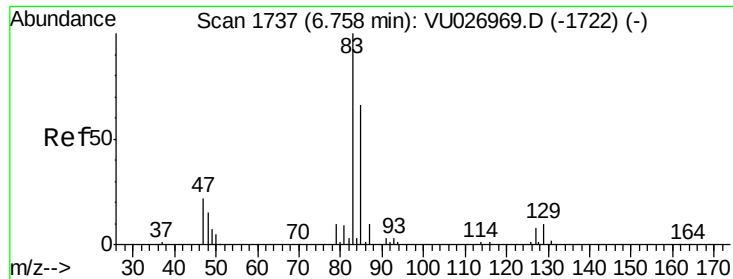
MMDadoda
 9/25/2018 11:34:16 AM



#46
 Dibromomethane
 Concen: 50.266 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion: 93 Resp: 48084
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.2 99.4
 174 87.8 71.7 107.5





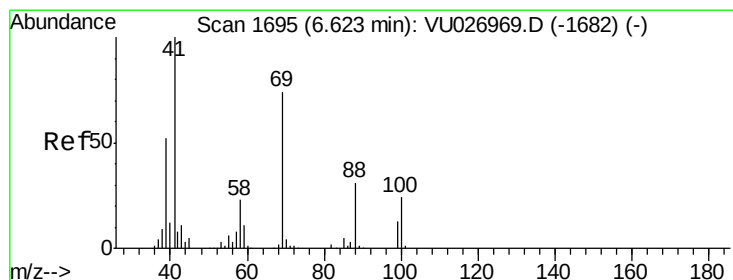
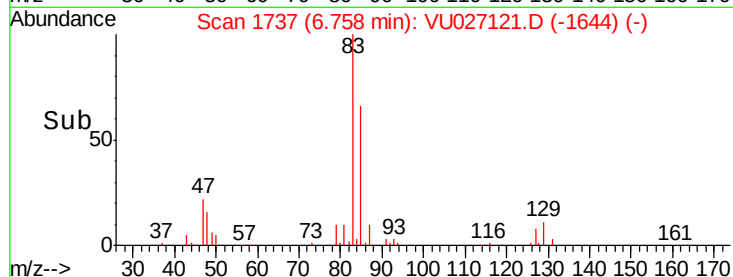
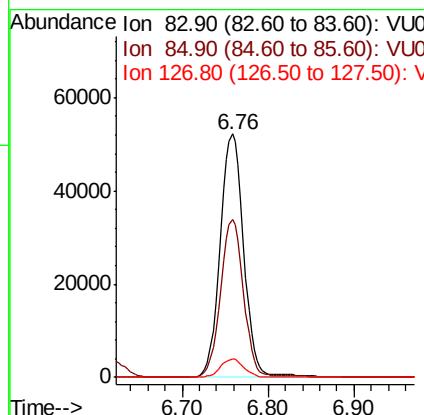
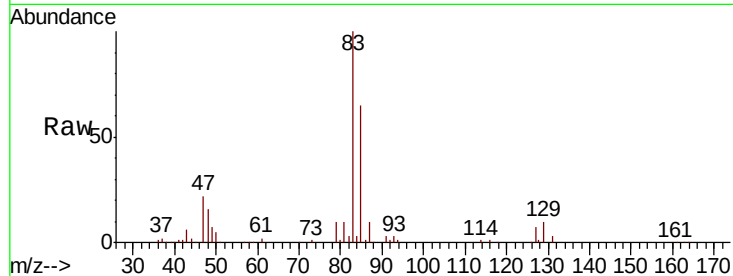
#47
Bromodichloromethane
Concen: 51.590 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	99790
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	52.5	78.7
127	7.4	6.3	9.5

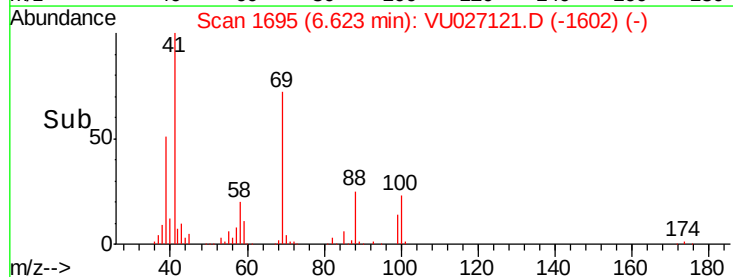
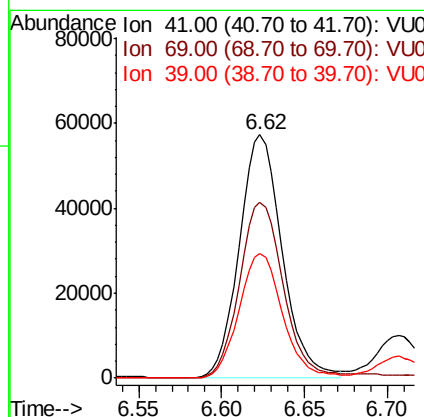
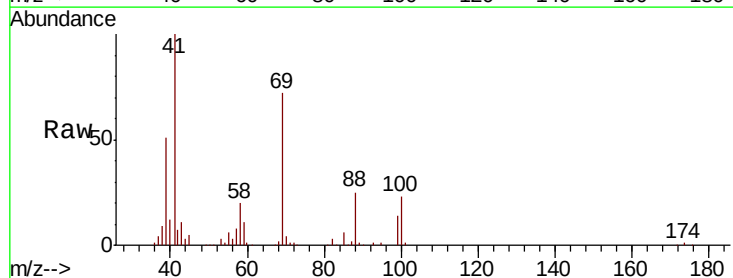
Manual Integrations
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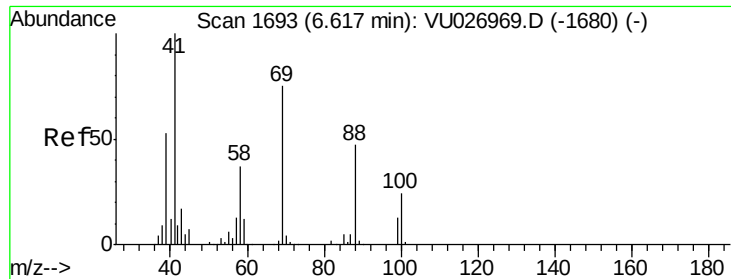
MMDadoda
9/25/2018 11:34:16 AM



#48
Methyl methacrylate
Concen: 52.699 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	41	Resp	103656
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	60.6	90.8
39	51.9	42.8	64.2





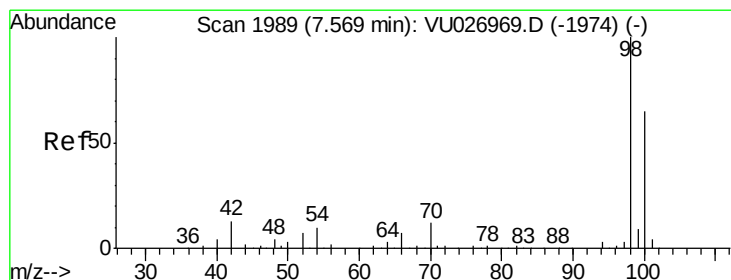
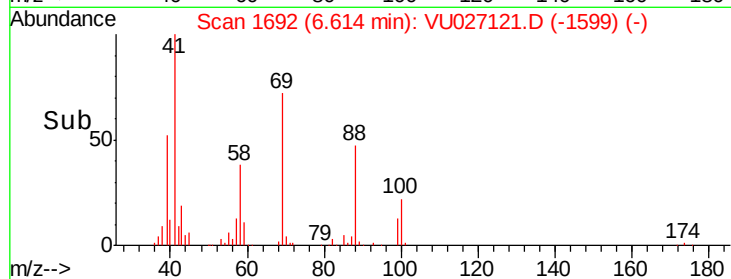
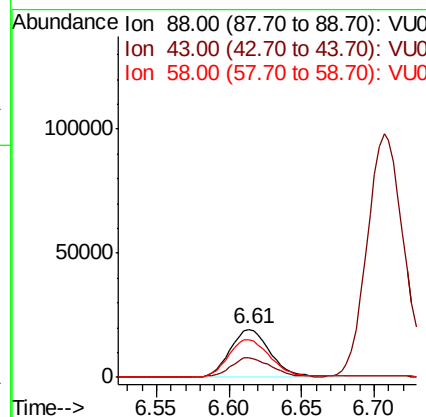
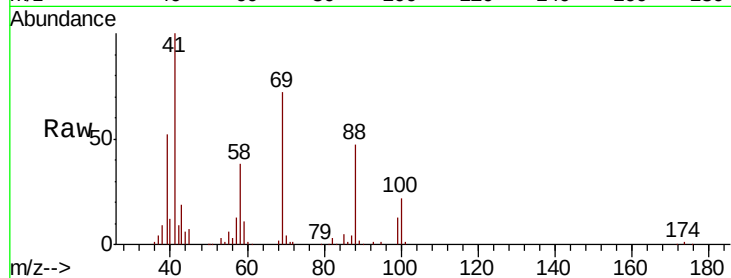
#49
1,4-Dioxane
Concen: 947.968 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.9	29.8	44.8	
58	84.0	63.9	95.9	

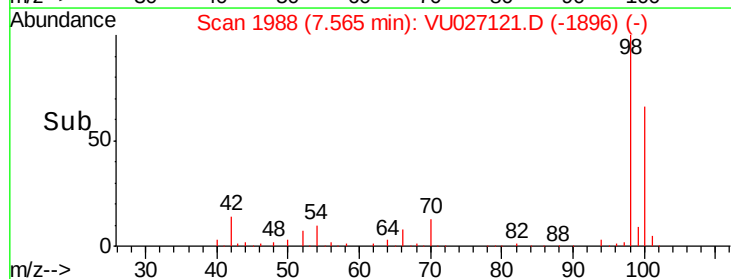
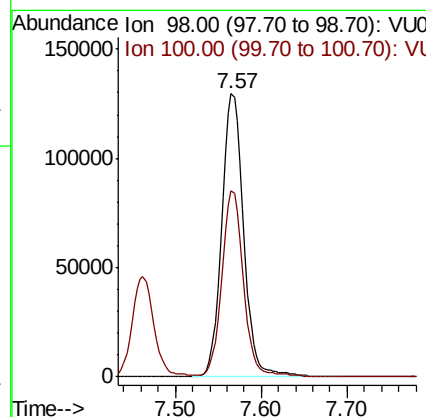
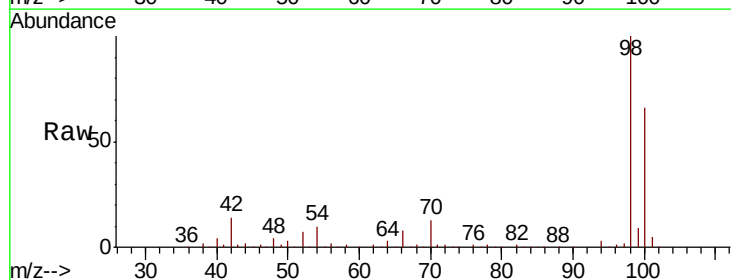
Manual Integrations
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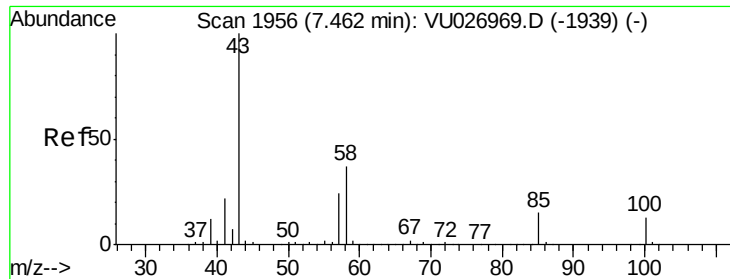
MMDadoda
9/25/2018 11:34:16 AM



#50
Toluene-d8
Concen: 50.986 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.0	52.1	78.1	





#51

4-Methyl-2-Pentanone

Concen: 287.011 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 696859

Ion Ratio Lower Upper

43 100

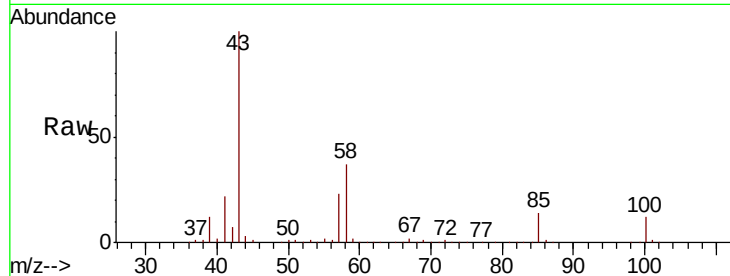
58 36.7 29.8 44.6

Manual Integrations

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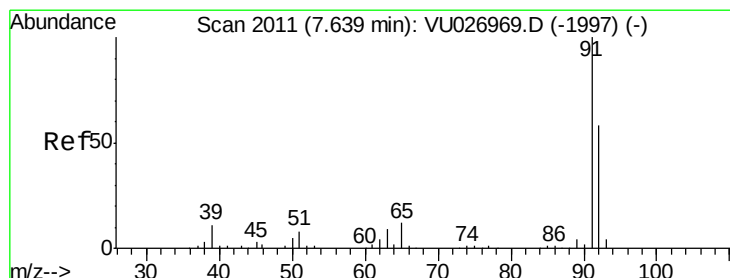
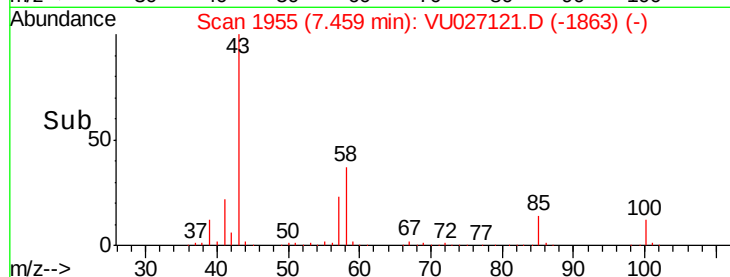
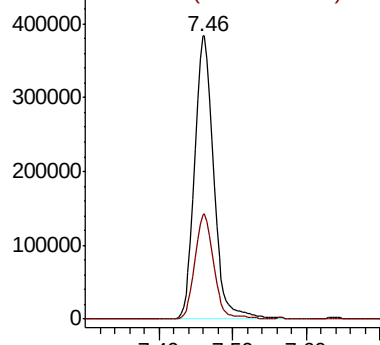
MMDadoda

9/25/2018 11:34:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 52.881 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027121.D

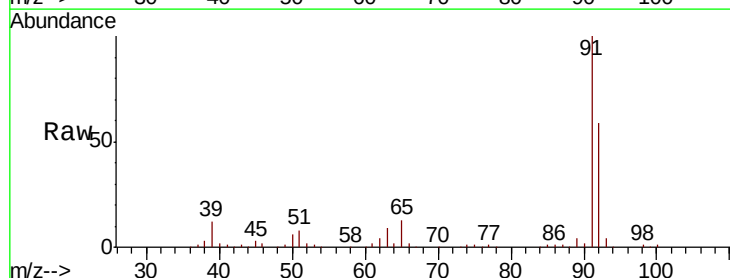
Acq: 24 Sep 2018 20:00

Tgt Ion: 92 Resp: 168497

Ion Ratio Lower Upper

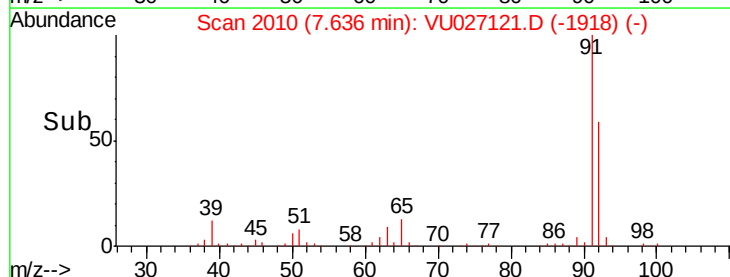
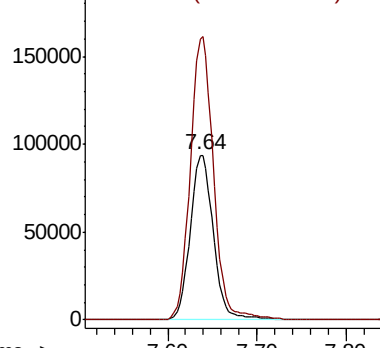
92 100

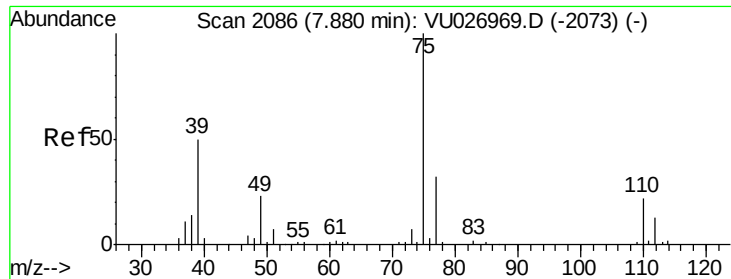
91 172.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





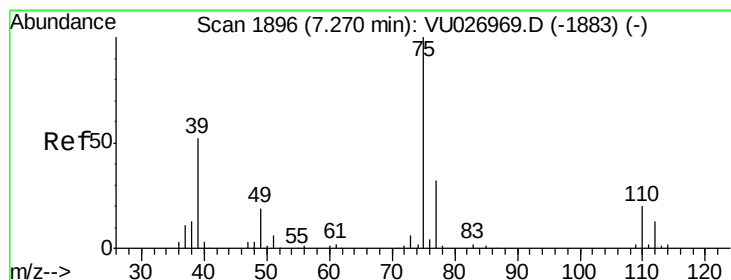
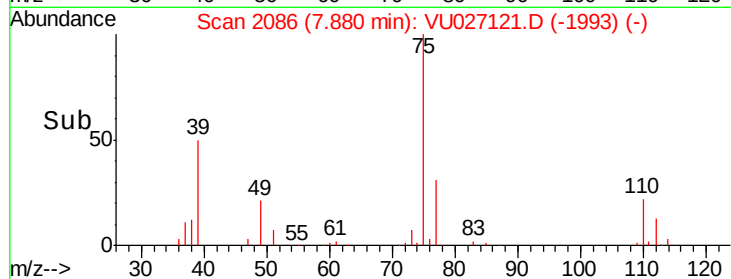
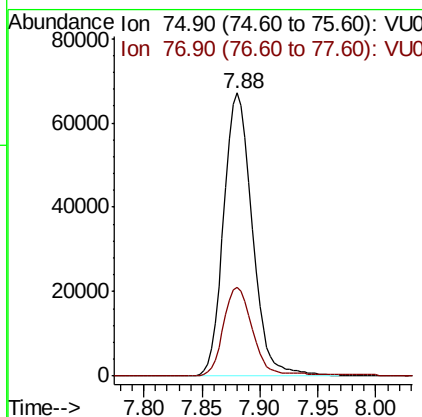
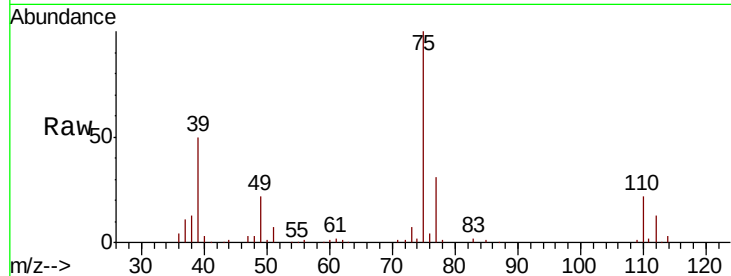
#53
t-1,3-Dichloropropene
Concen: 55.252 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 114825
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

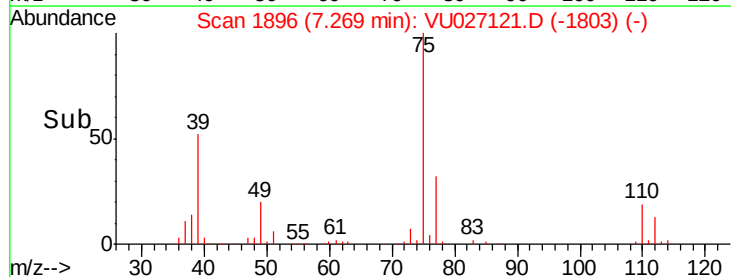
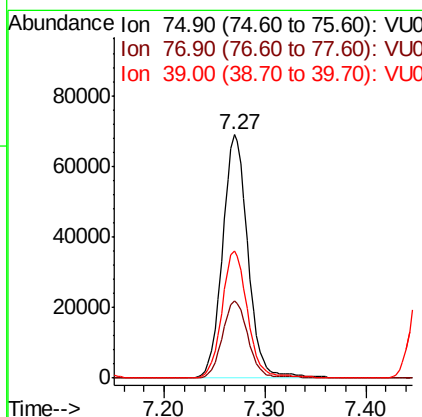
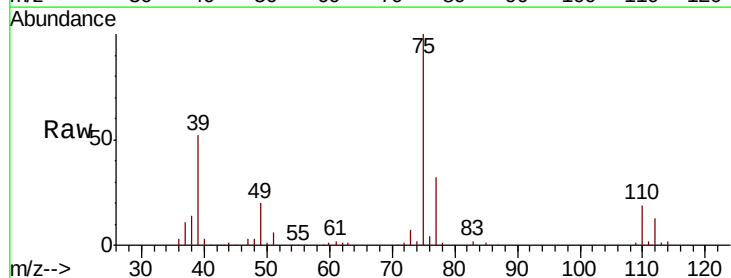
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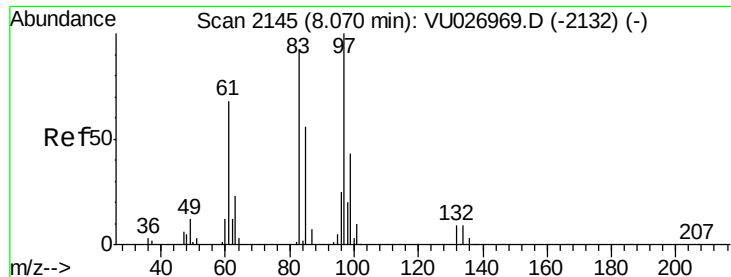
MMDadoda
9/25/2018 11:34:16 AM



#54
cis-1,3-Dichloropropene
Concen: 53.225 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion: 75 Resp: 121623
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 52.3 41.6 62.4





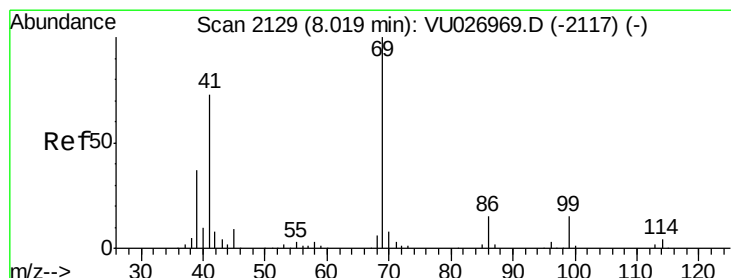
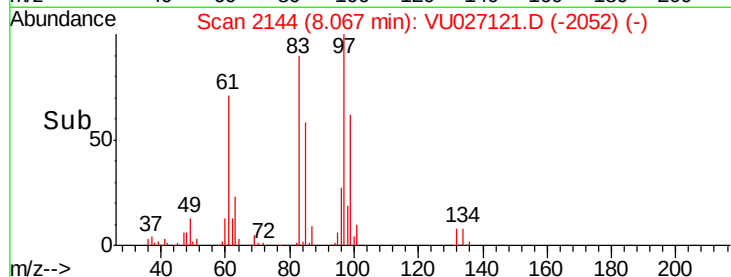
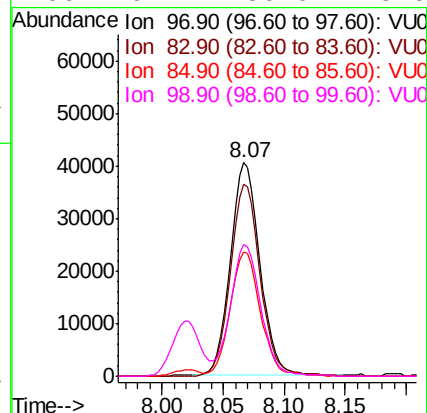
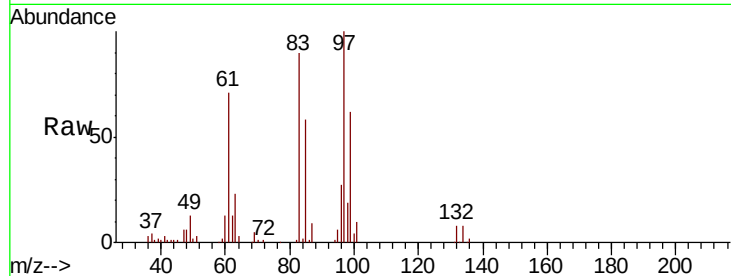
#55
 1,1,2-Trichloroethane
 Concen: 50.849 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	68653
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.1	109.7
85	58.2	46.7	70.1
99	62.2	50.0	75.0

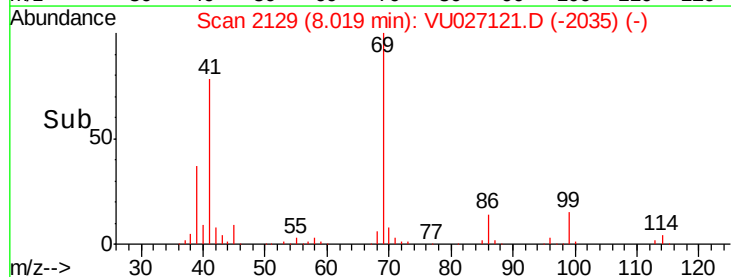
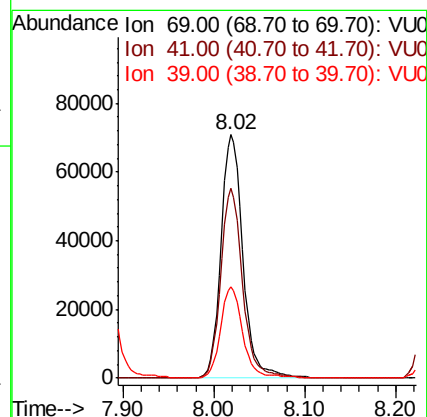
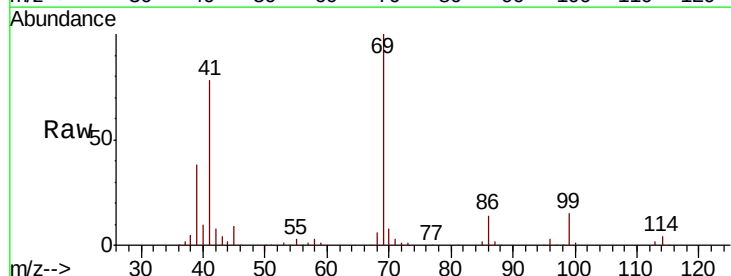
Manual Integrations
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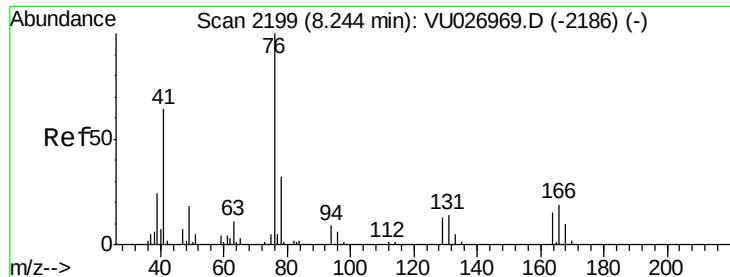
MMDadoda
 9/25/2018 11:34:16 AM



#56
 Ethyl methacrylate
 Concen: 50.685 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion:	69	Resp:	118808
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.0	88.4
39	38.2	30.2	45.4





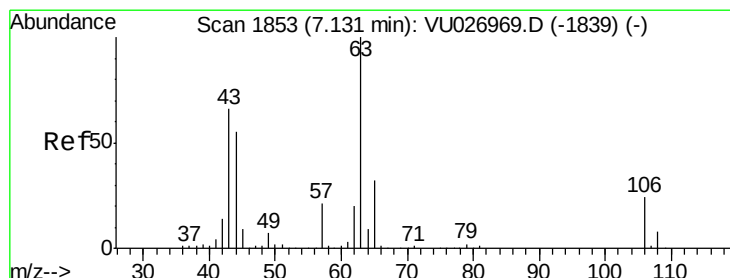
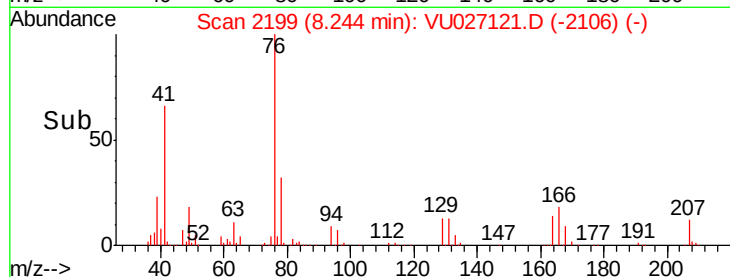
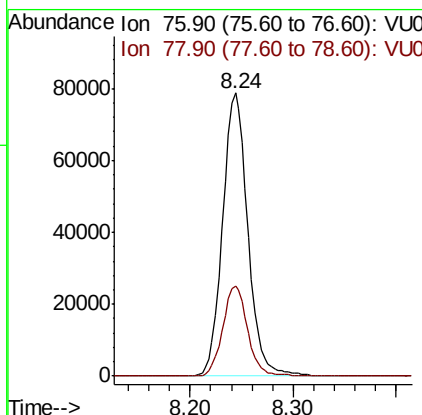
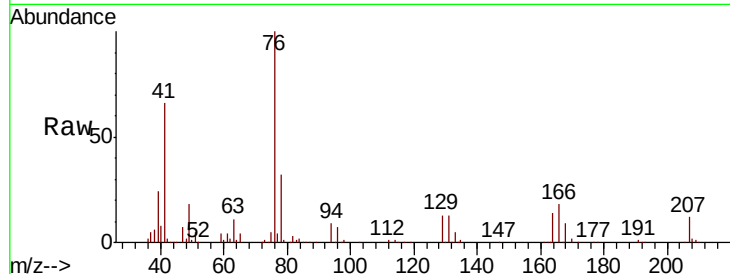
#57
 1,3-Dichloropropane
 Concen: 53.414 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

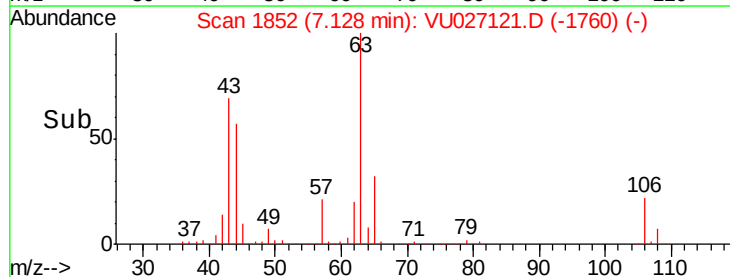
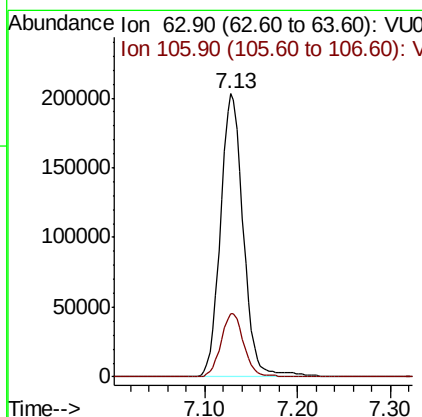
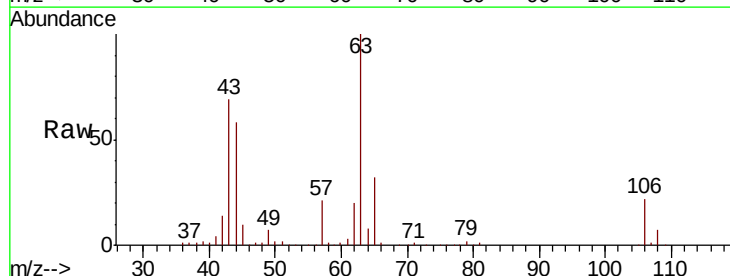
Manual Integrations
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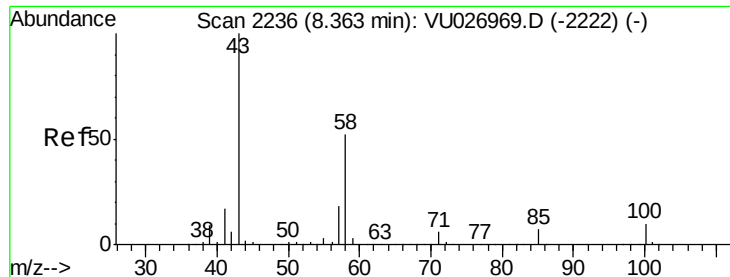
MMDadoda
 9/25/2018 11:34:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.202 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.6	18.7	28.1





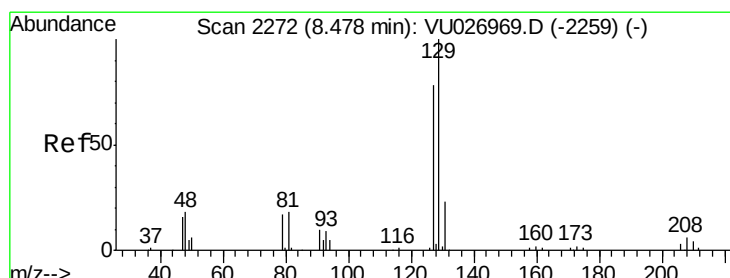
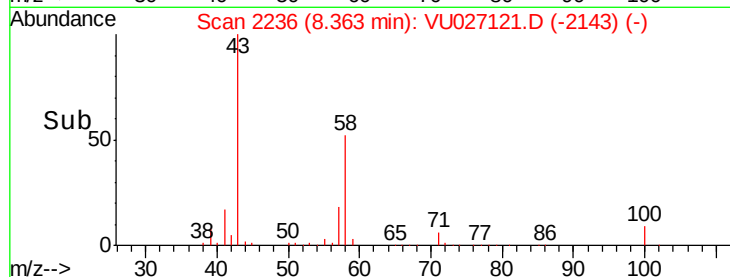
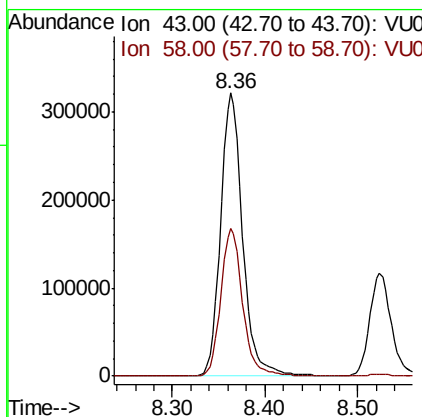
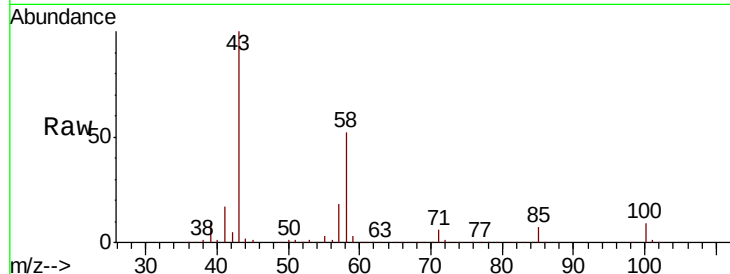
#59
2-Hexanone
Concen: 277.570 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 527544
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.2

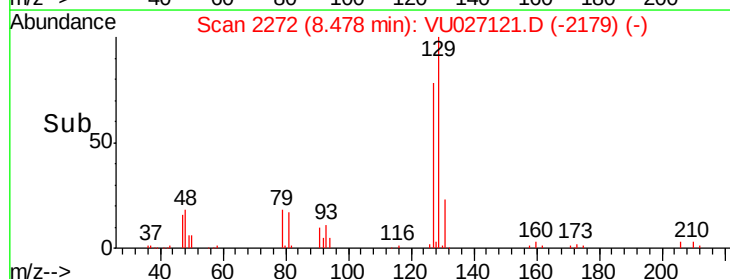
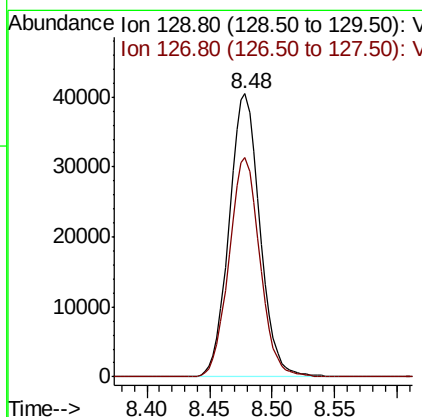
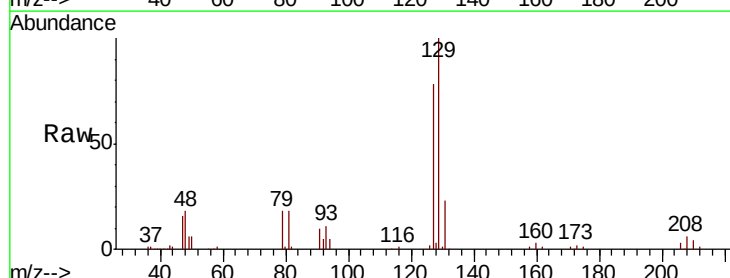
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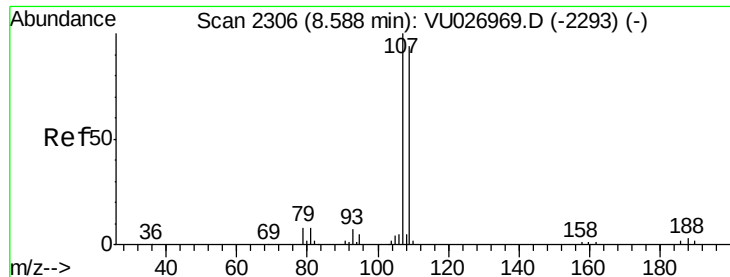
MMDadoda
9/25/2018 11:34:16 AM



#60
Dibromochloromethane
Concen: 52.051 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion: 129 Resp: 68932
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 51.305 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 72071

Ion Ratio Lower Upper

107 100

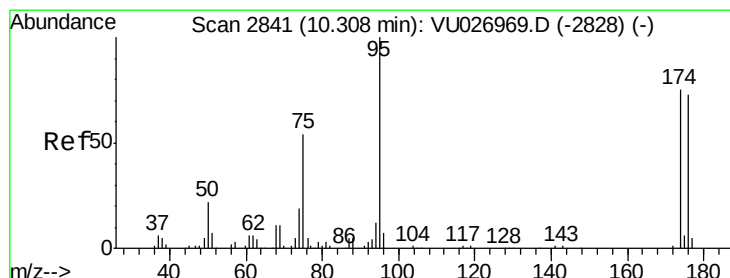
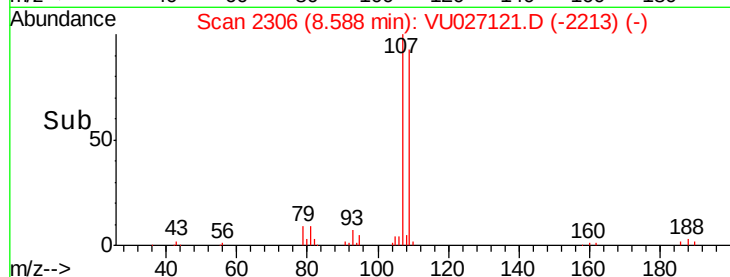
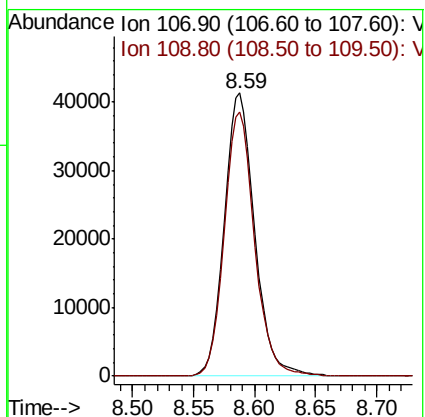
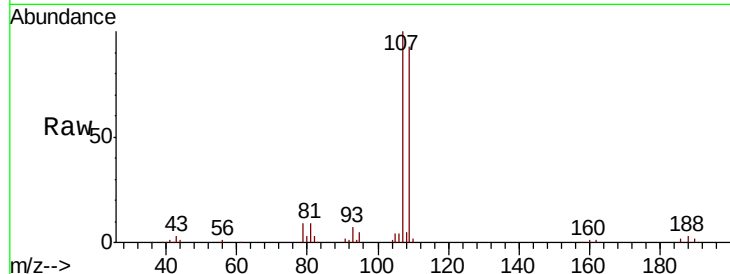
109 93.2 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 53.738 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

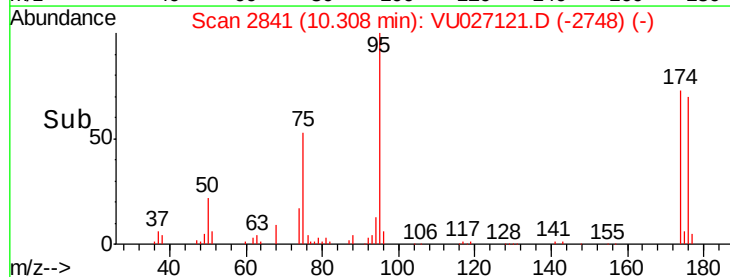
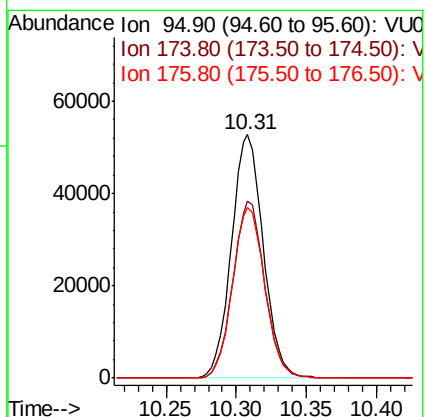
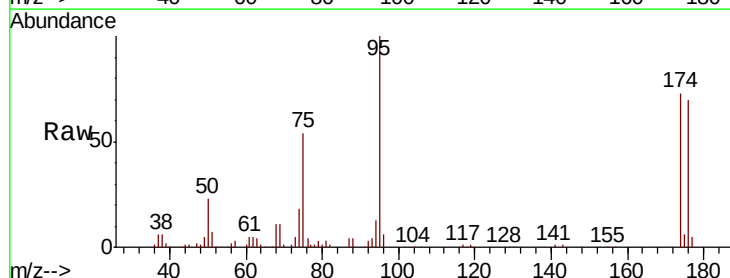
Tgt Ion: 95 Resp: 83456

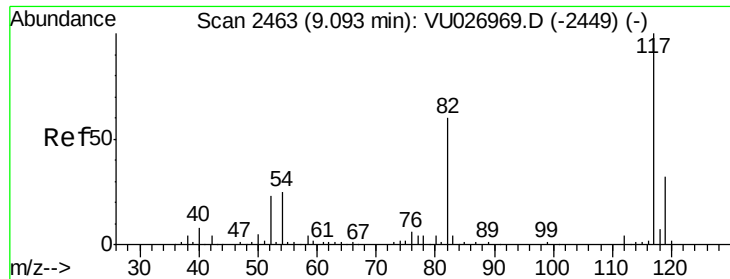
Ion Ratio Lower Upper

95 100

174 72.4 0.0 150.2

176 71.0 0.0 145.2





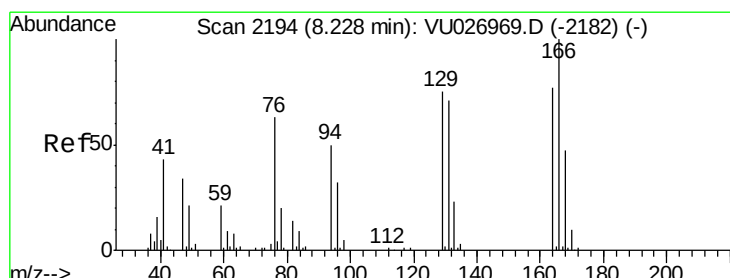
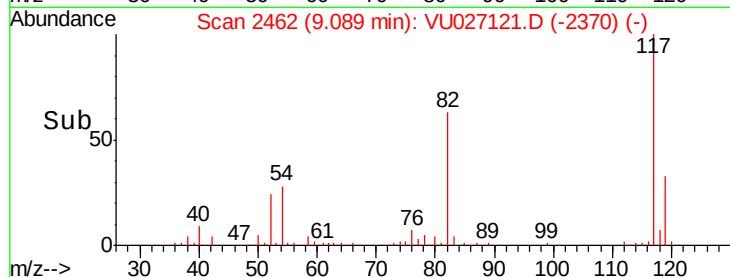
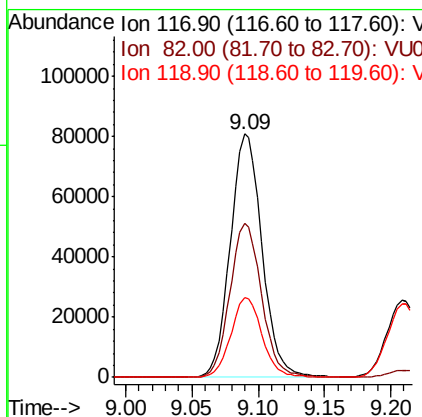
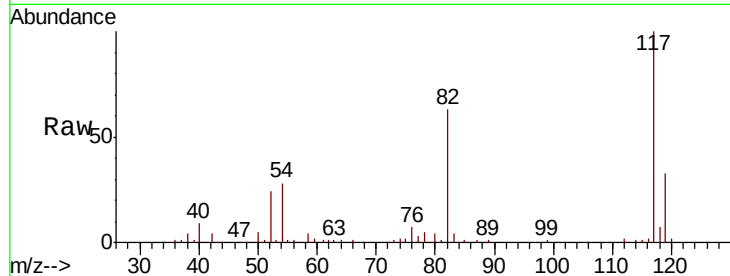
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	48.0	72.0
119	32.7	25.8	38.8

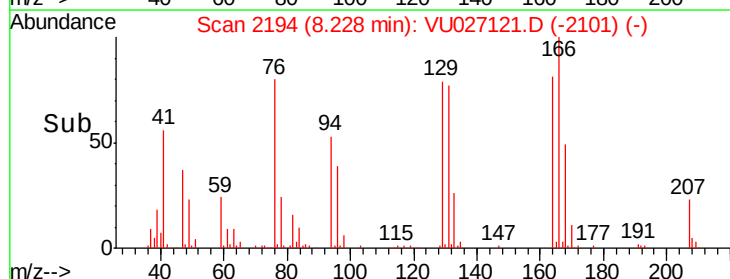
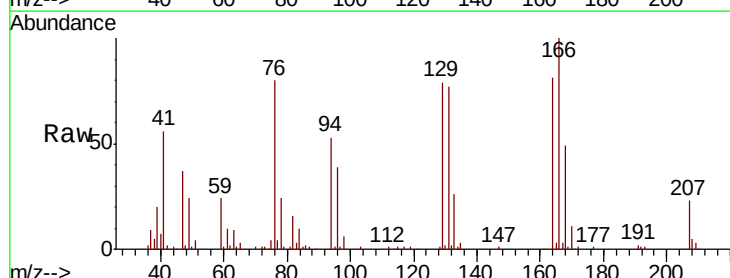
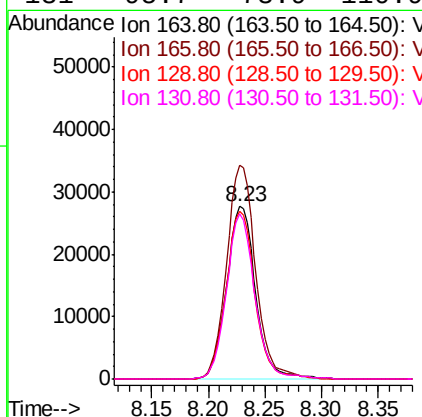
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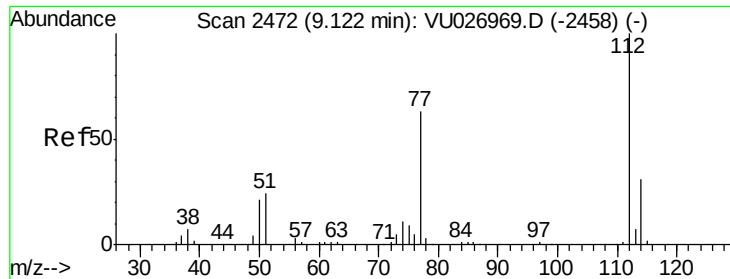
MMDadoda
9/25/2018 11:34:16 AM



#64
Tetrachloroethene
Concen: 47.726 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	104.4	156.6
129	97.7	78.7	118.1
131	95.7	73.9	110.9





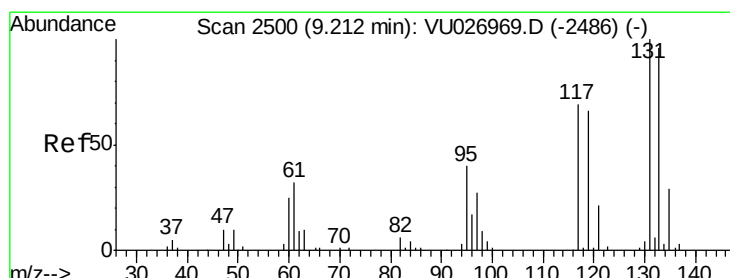
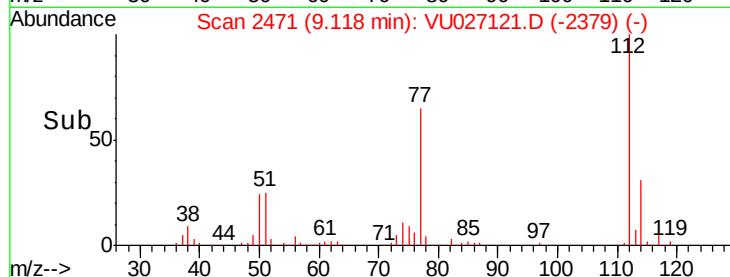
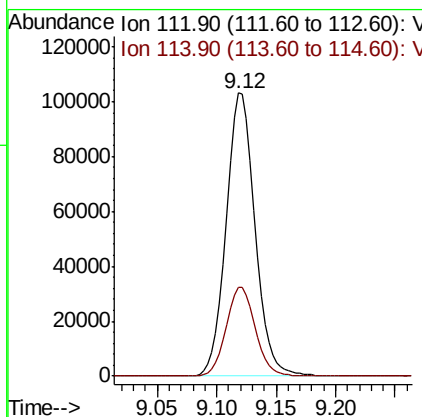
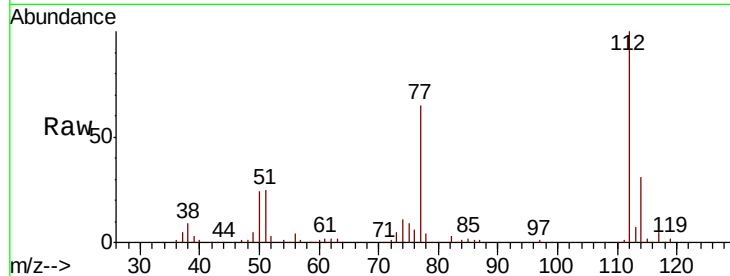
#65
Chlorobenzene
Concen: 48.621 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 173765
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6

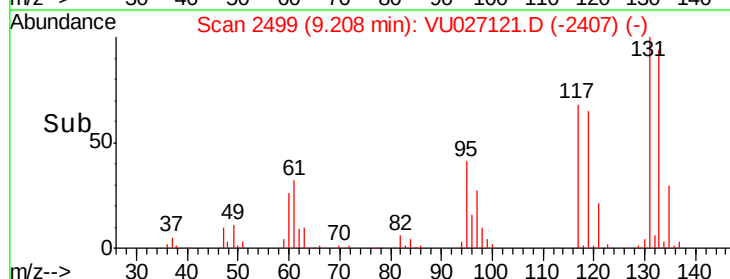
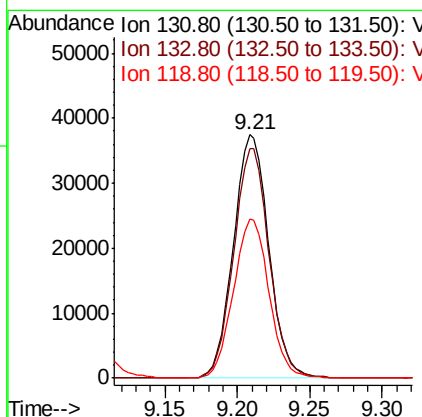
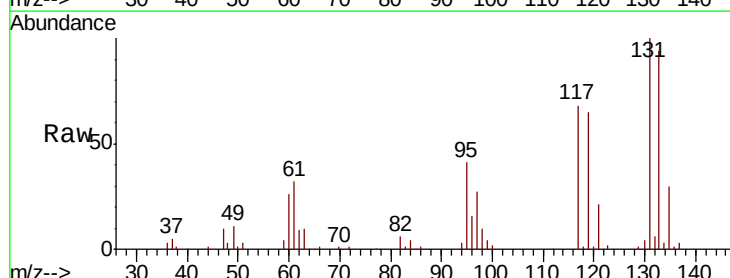
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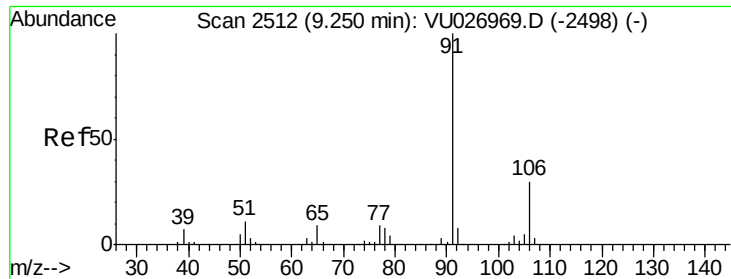
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.552 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion:131 Resp: 63459
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.2
119 65.7 33.4 100.1





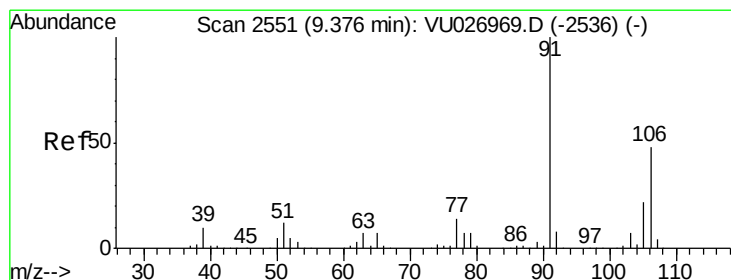
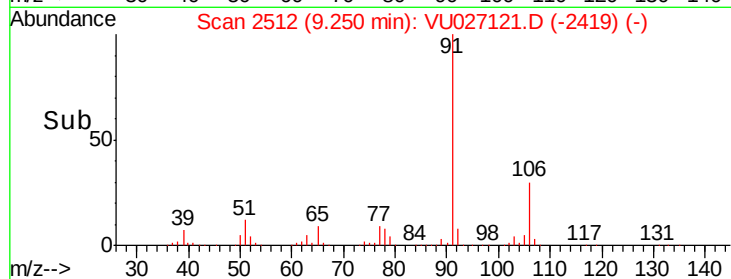
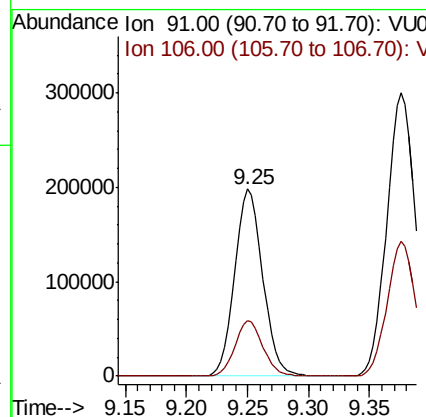
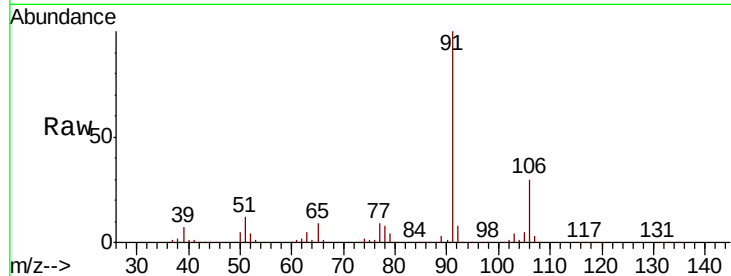
#67
Ethyl Benzene
Concen: 54.165 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 318323
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

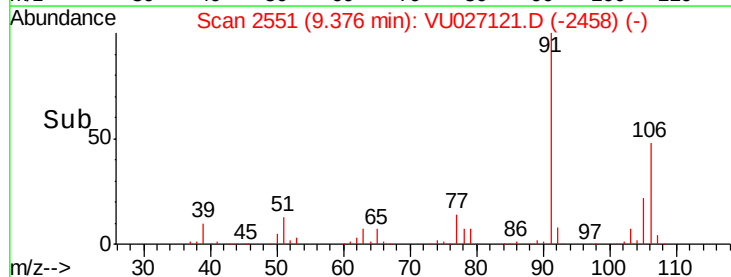
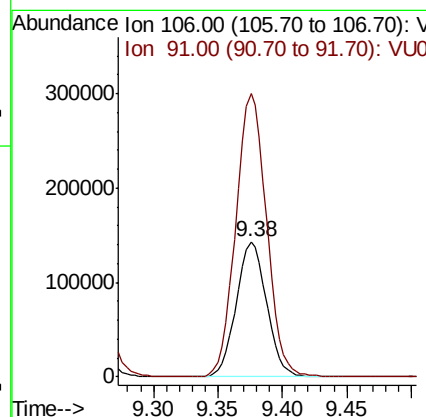
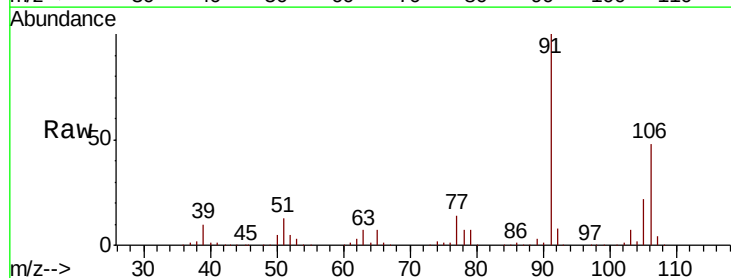
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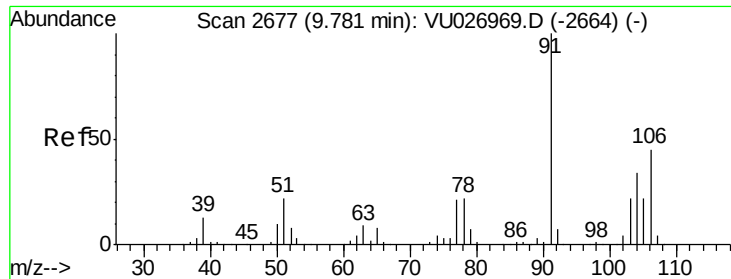
MMDadoda
9/25/2018 11:34:16 AM



#68
m/p-Xylenes
Concen: 98.716 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion: 106 Resp: 234902
Ion Ratio Lower Upper
106 100
91 211.2 166.5 249.7





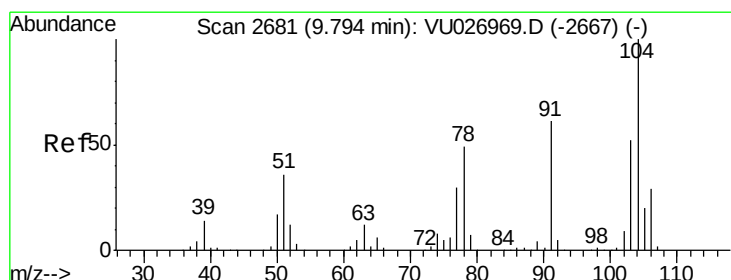
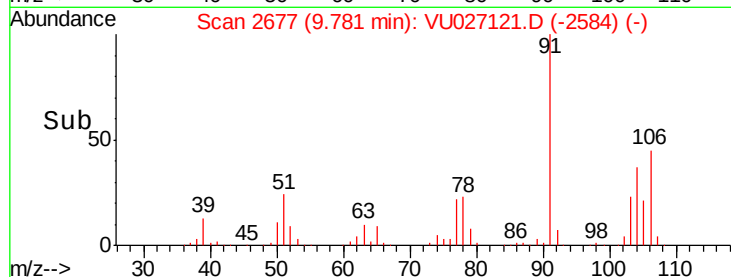
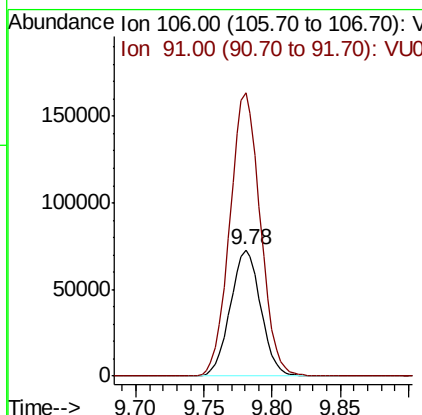
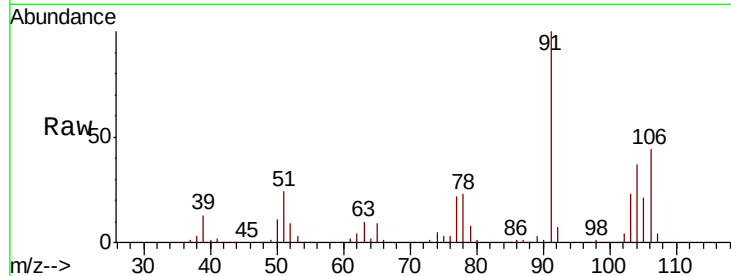
#69
o-Xylene
Concen: 54.352 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.5	110.2	330.6

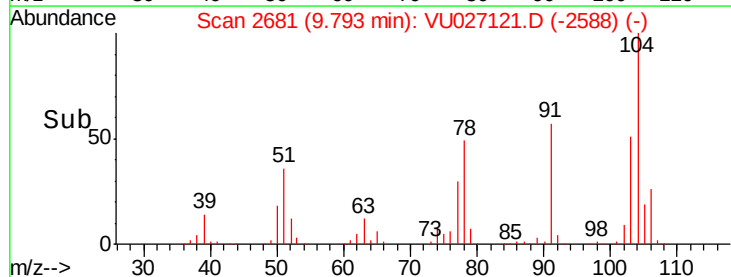
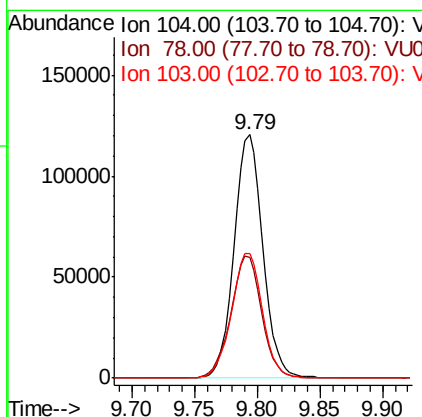
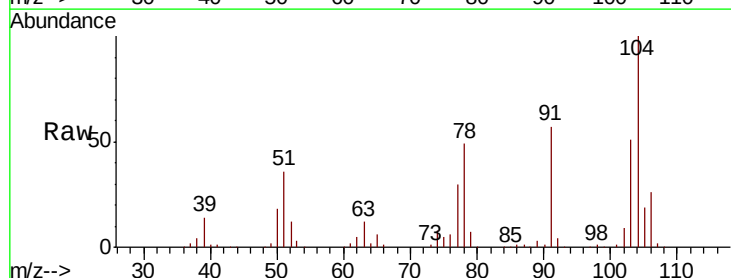
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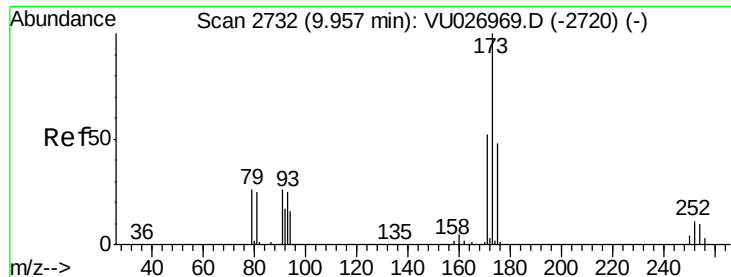
MMDadoda
9/25/2018 11:34:16 AM



#70
Styrene
Concen: 49.517 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.4
103	55.1	44.1	66.1





#71

Bromoform

Concen: 52.190 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

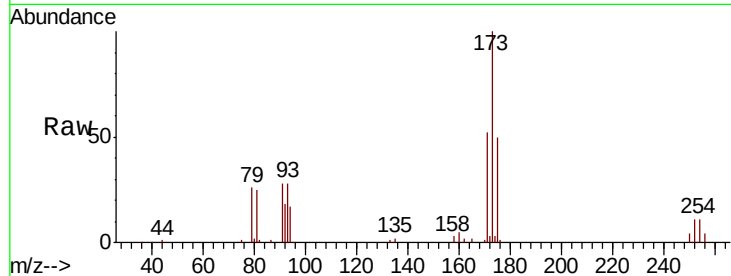
ClientSampleId :

VSTDCCC050EC

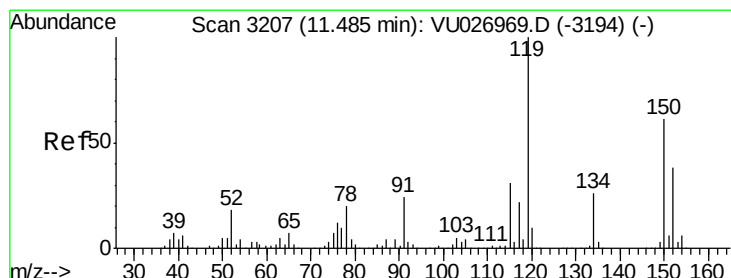
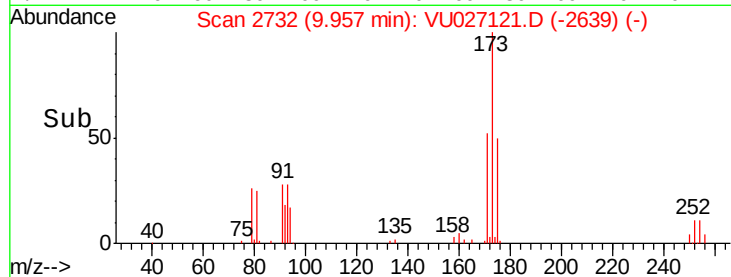
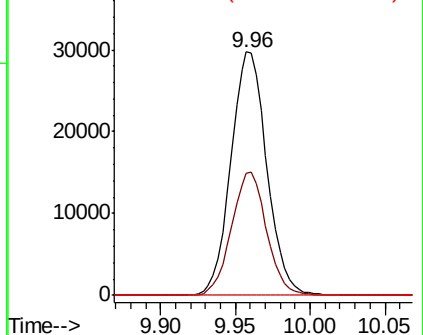
Tot Ion:	173	Resp:	49681
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

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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

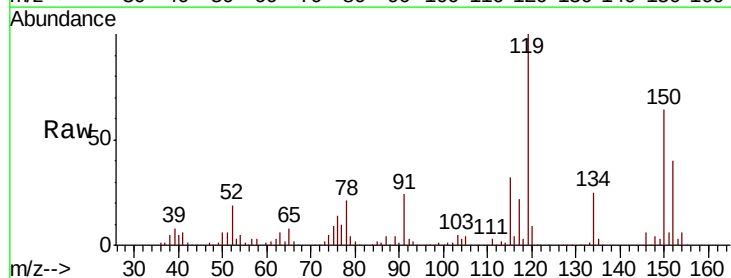
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

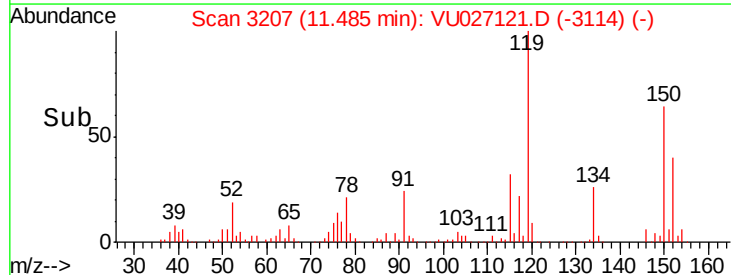
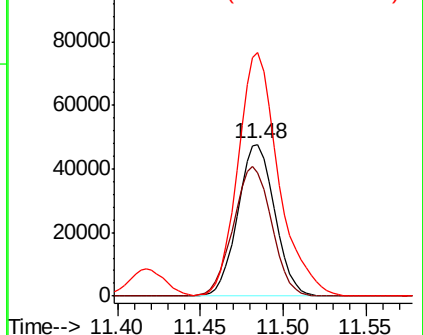
Lab File: VU027121.D

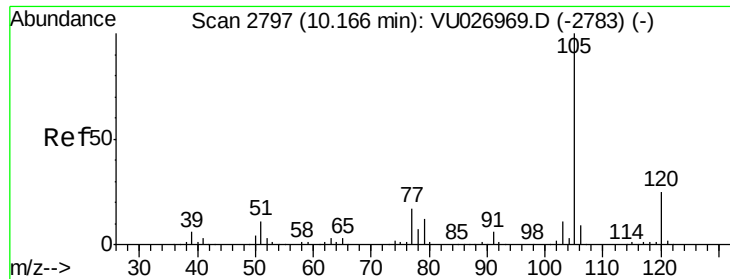
Acq: 24 Sep 2018 20:00

Tgt Ion:	152	Resp:	73988
Ion Ratio	Lower	Upper	
152	100		
115	88.6	44.9	134.5
150	176.5	0.0	355.8



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: 55.303 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 311256

Ion Ratio Lower Upper

105 100

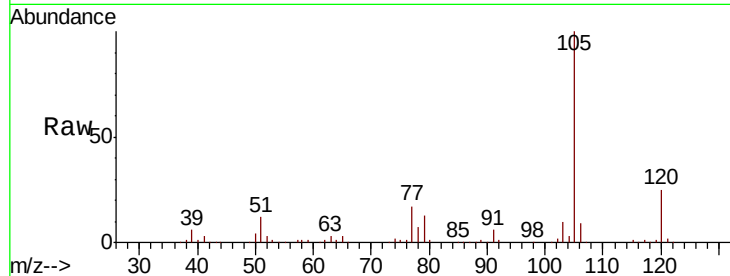
120 25.1 12.8 38.4

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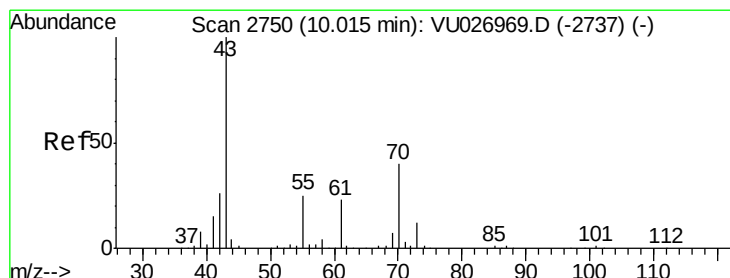
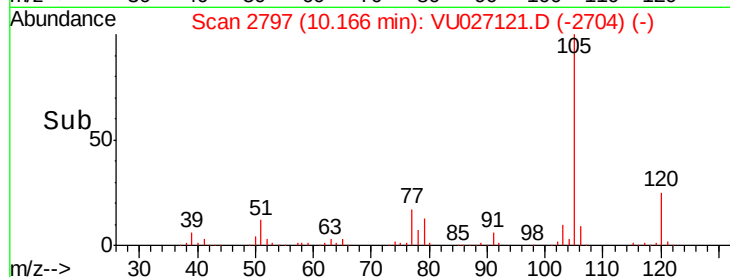
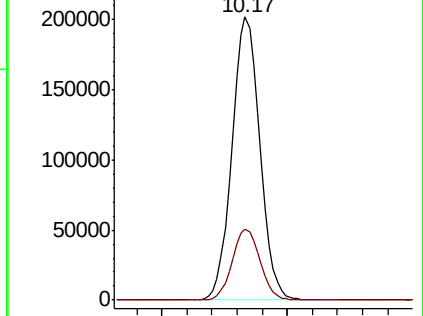
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.247 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion: 43 Resp: 189760

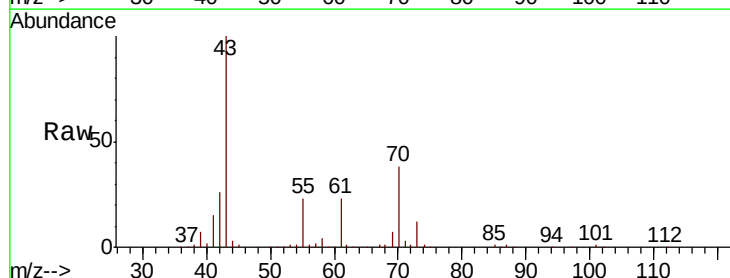
Ion Ratio Lower Upper

43 100

70 38.2 31.8 47.8

55 23.6 19.9 29.9

61 22.9 18.4 27.6

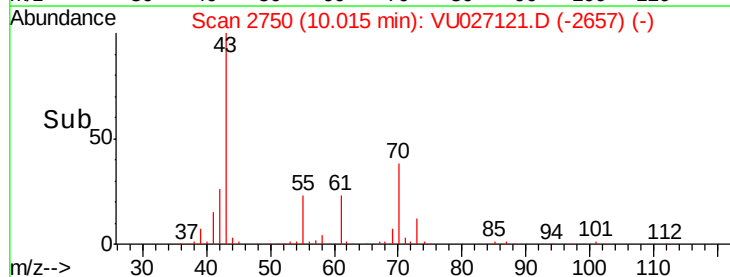
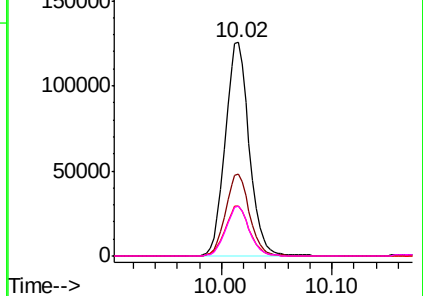


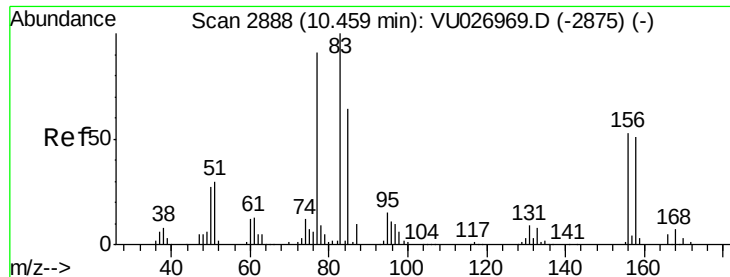
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.726 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

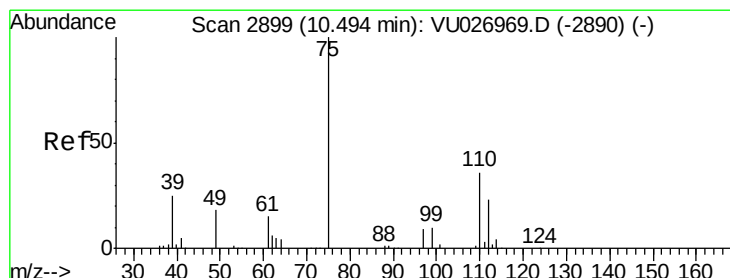
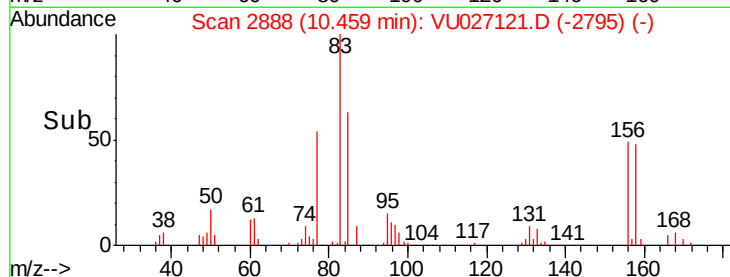
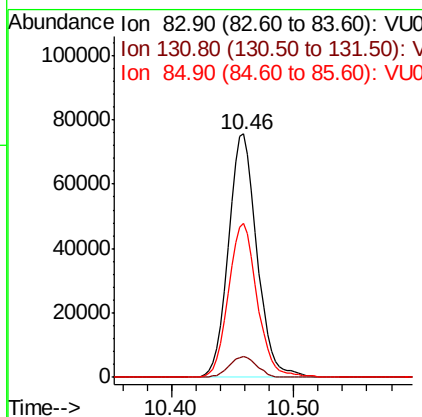
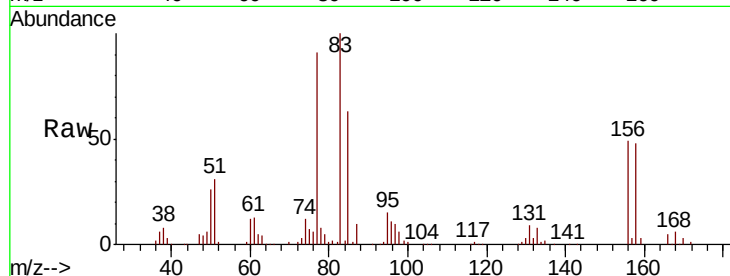
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123500
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	12.8
85	64.0	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 50.292 ug/l m

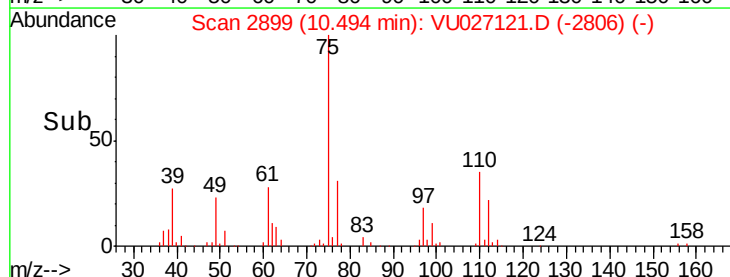
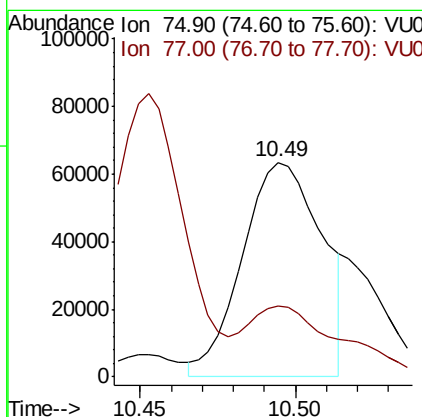
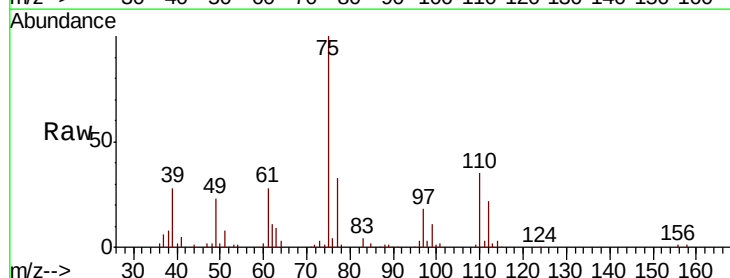
RT: 10.49 min Scan# 2899

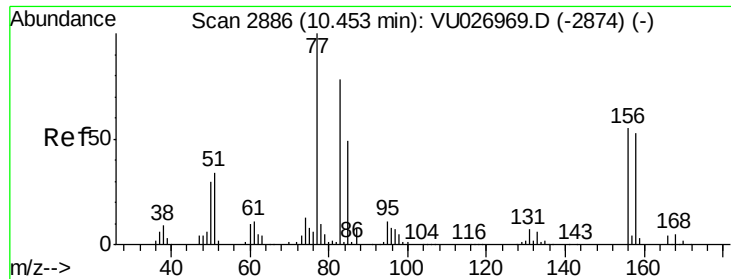
Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion:	75	Resp:	113043
Ion Ratio	Lower	Upper	
75	100		
77	40.2	20.9	62.8





#77

Bromobenzene

Concen: 50.546 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Instrument :

MSVOA_U

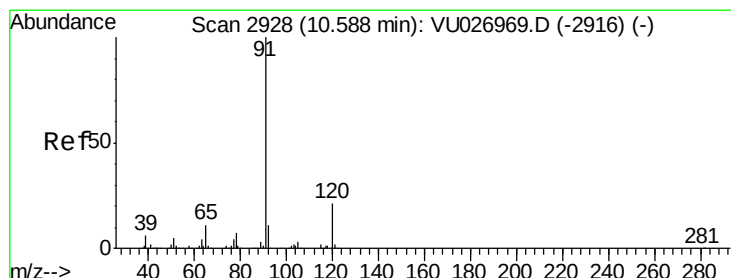
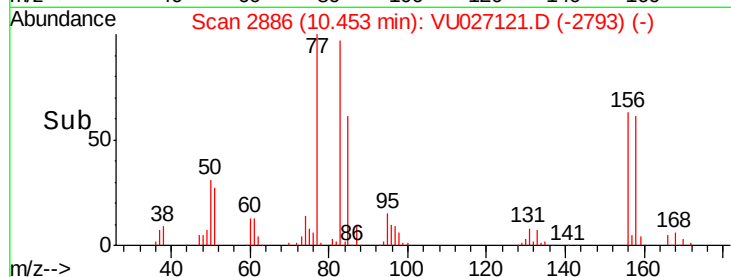
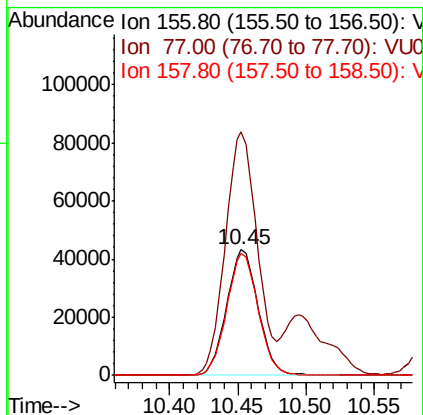
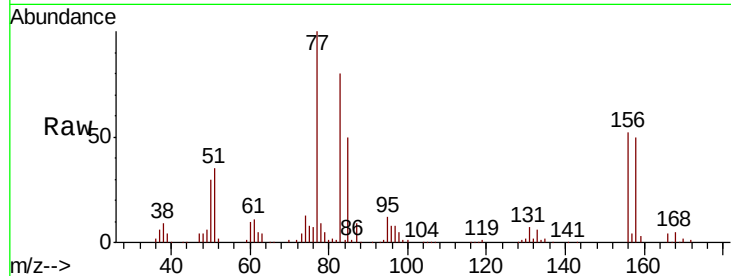
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	69518
Ion	Ratio	Lower	Upper
156	100		
77	196.0	92.3	276.9
158	96.8	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 56.891 ug/l

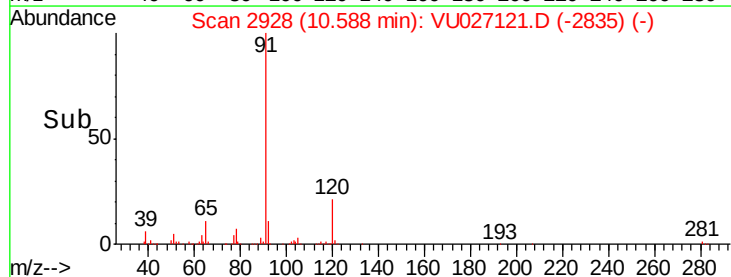
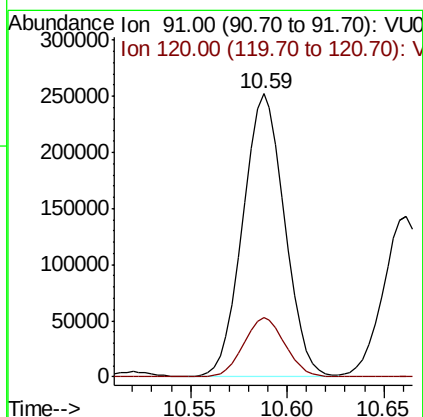
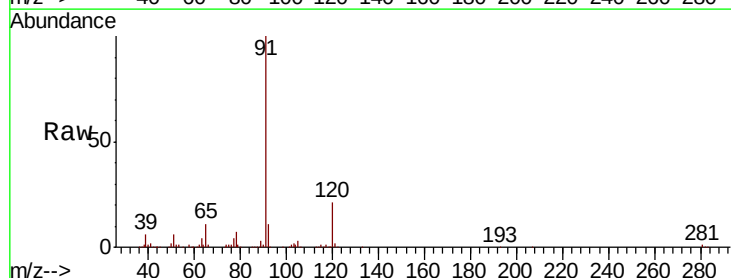
RT: 10.59 min Scan# 2928

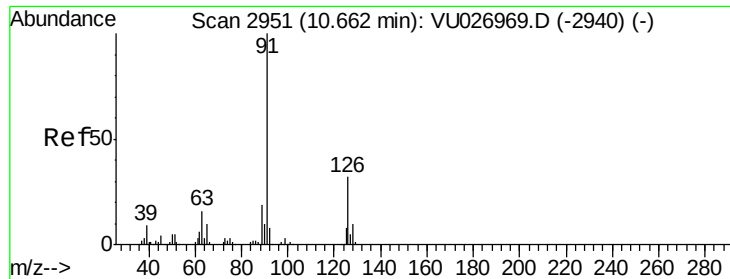
Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion:	91	Resp:	378860
Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.6	31.8





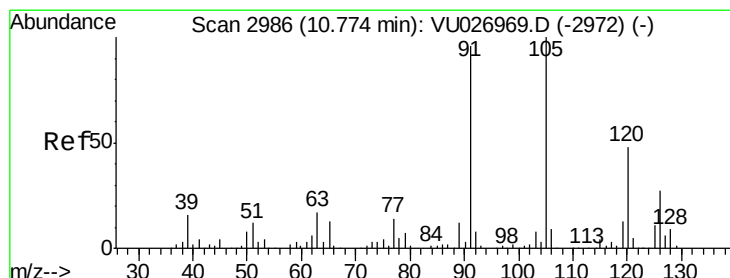
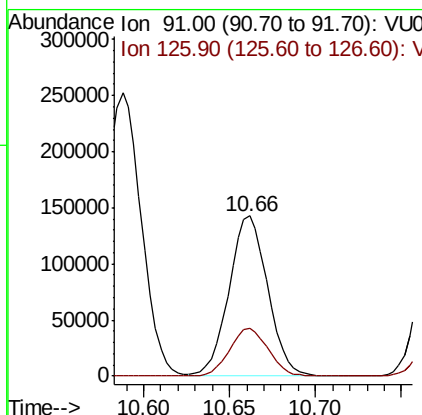
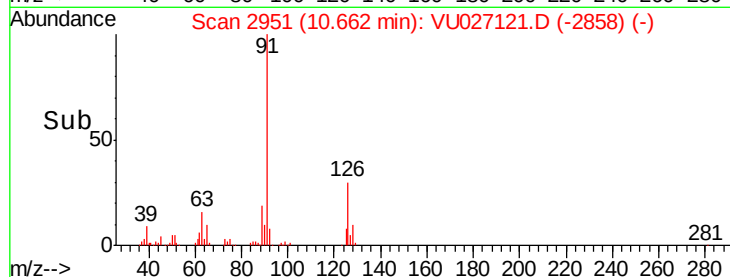
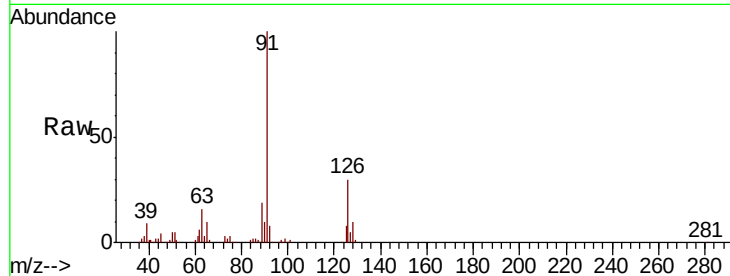
#79
 2-Chlorotoluene
 Concen: 53.297 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.8	47.3

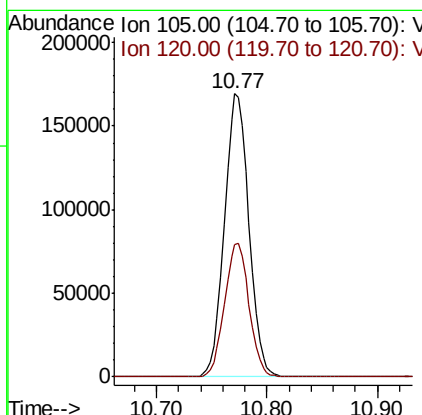
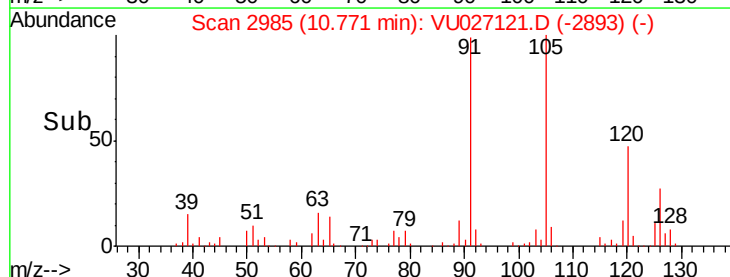
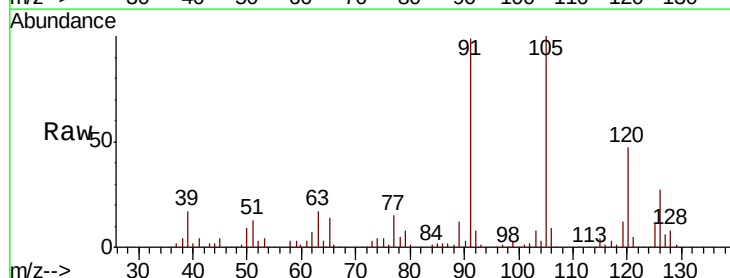
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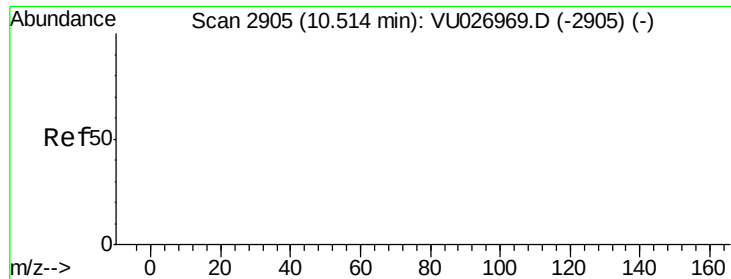
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.938 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.040 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

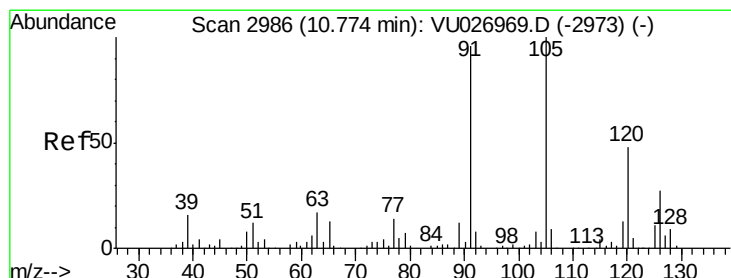
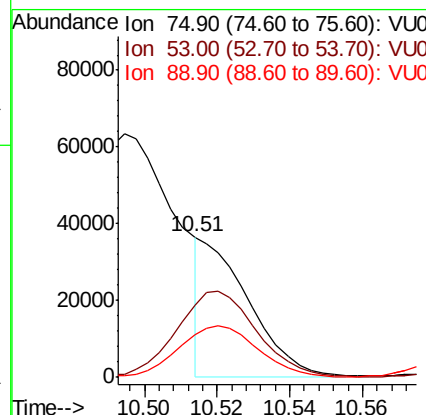
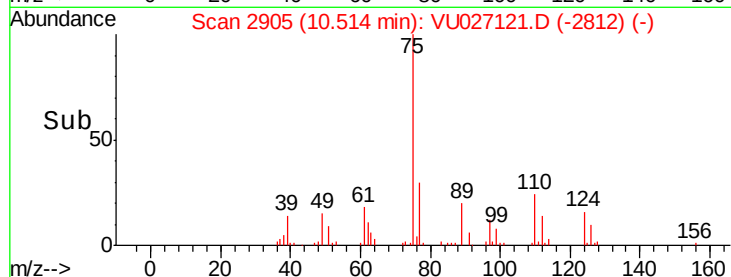
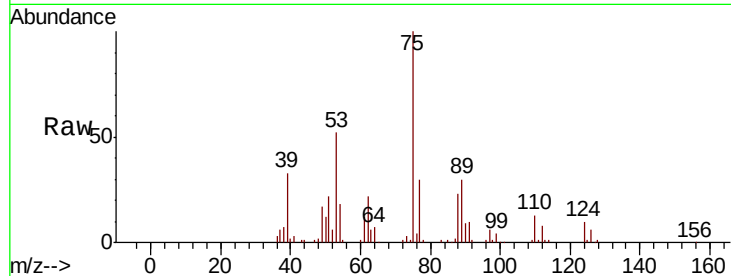
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.391 ug/l

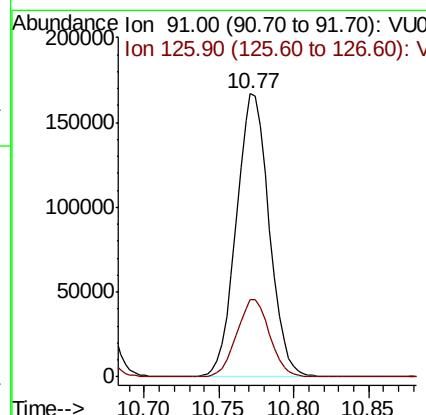
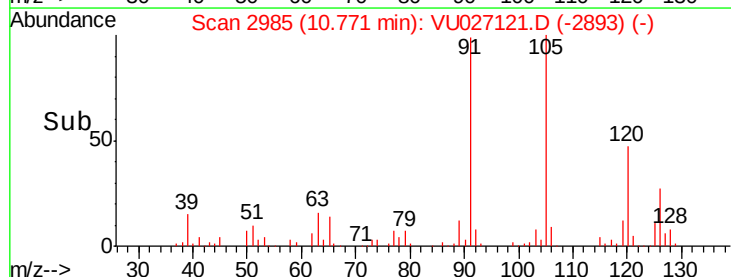
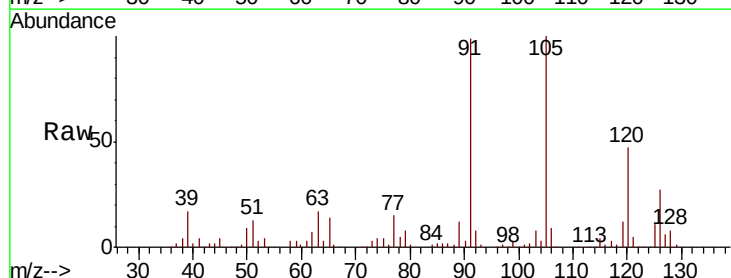
RT: 10.77 min Scan# 2985

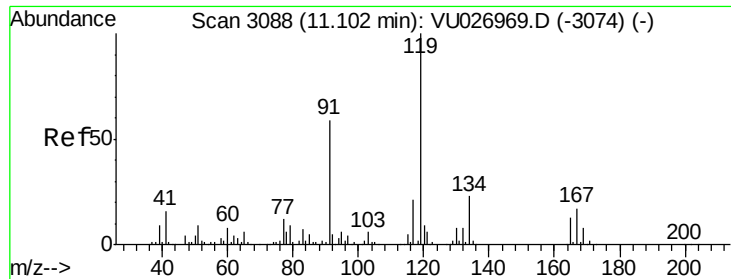
Delta R.T. -0.00 min

Lab File: VU027121.D

Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.2





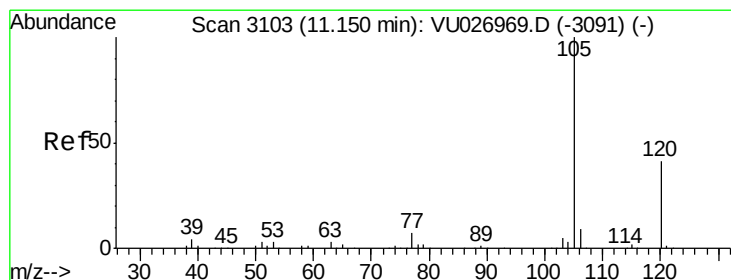
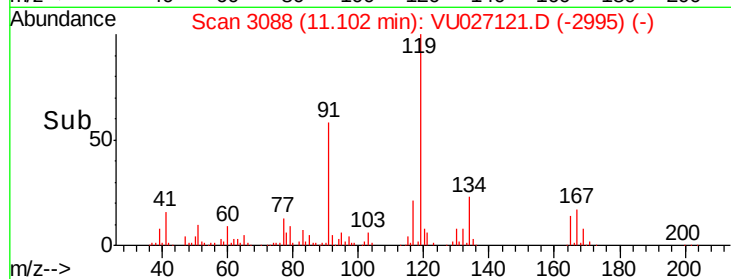
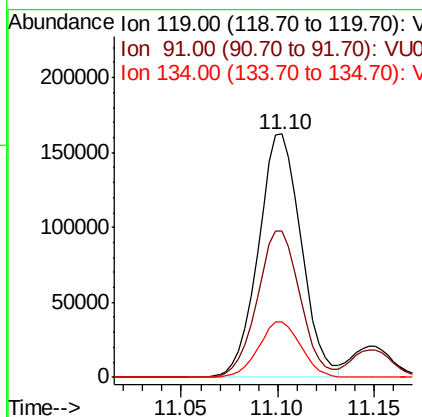
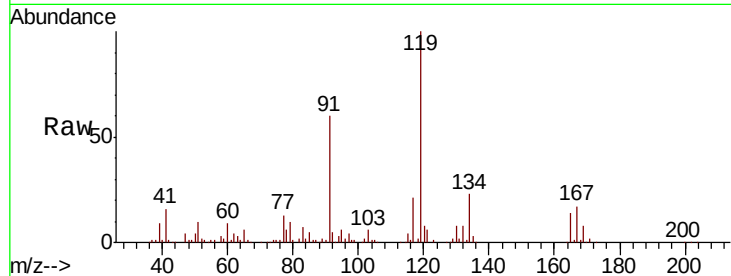
#83
tert-Butylbenzene
Concen: 54.437 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.8	89.4
134	22.6	11.5	34.4

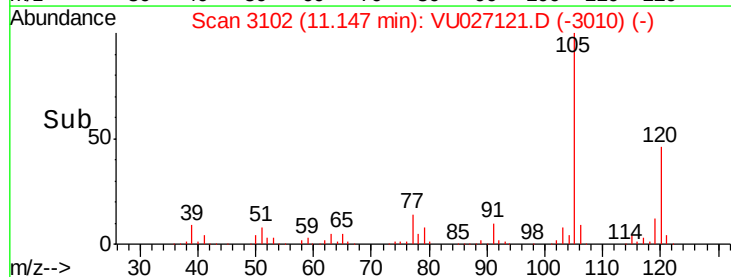
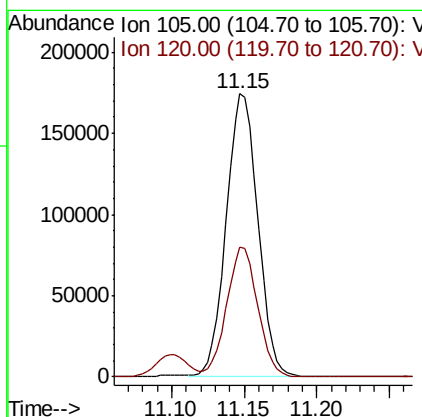
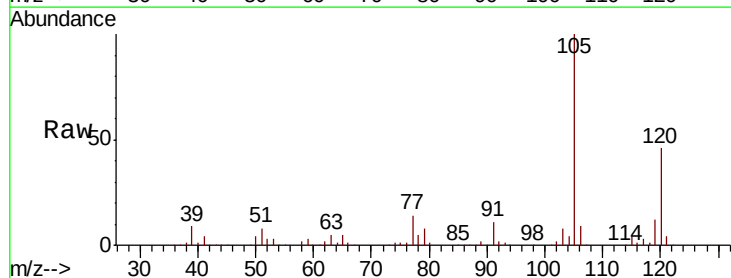
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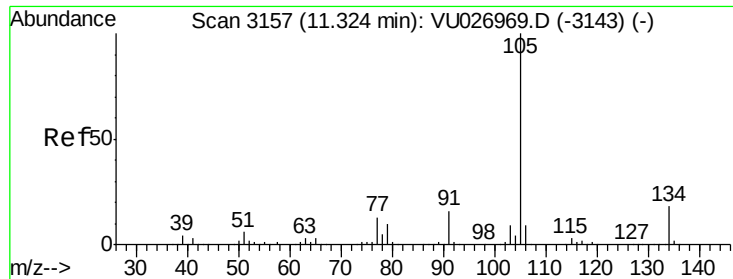
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#84
1,2,4-Trimethylbenzene
Concen: 55.690 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.2





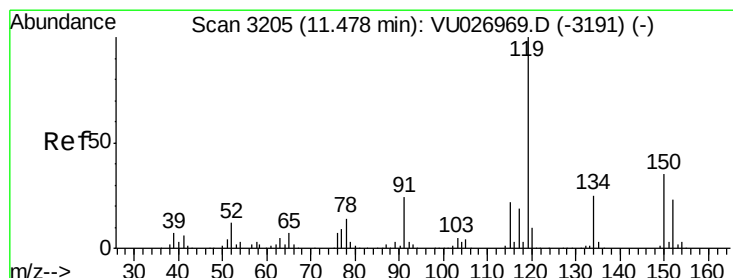
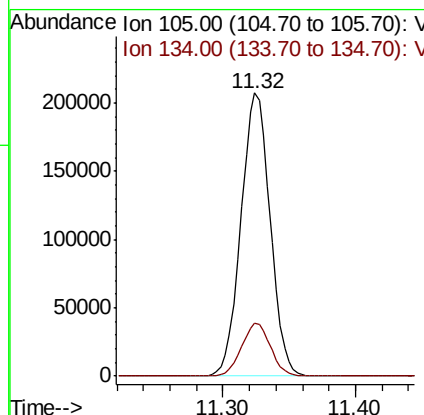
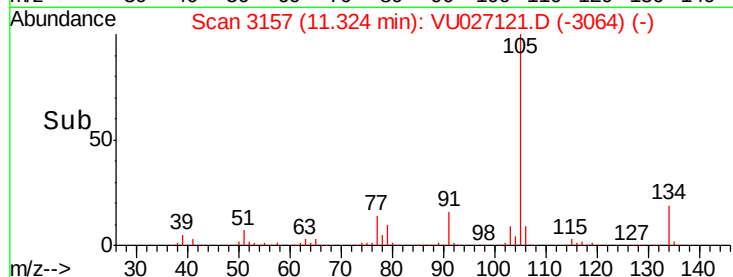
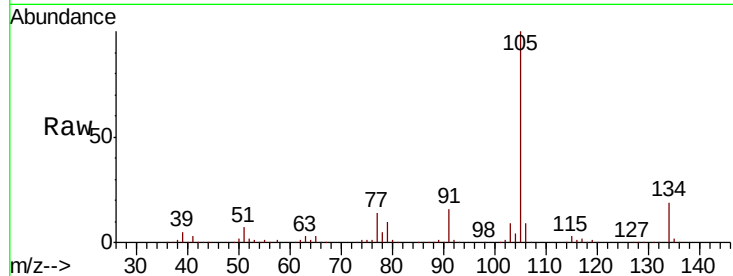
#85
 sec-Butylbenzene
 Concen: 56.348 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	315944		
134	18.4	9.4	28.2	

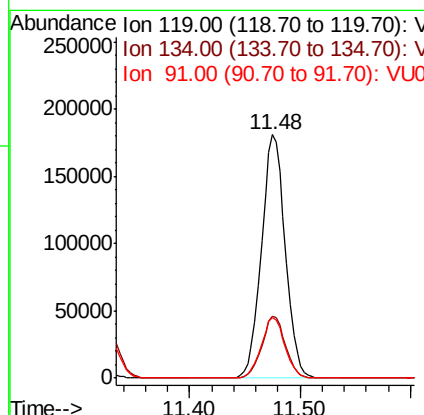
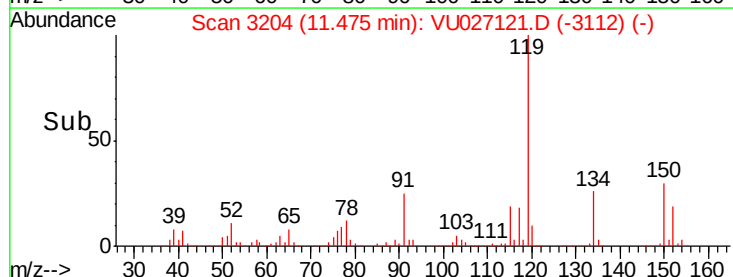
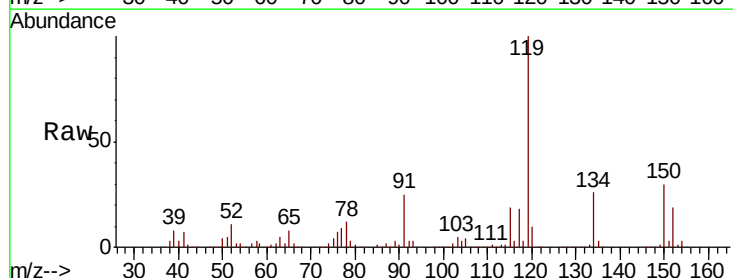
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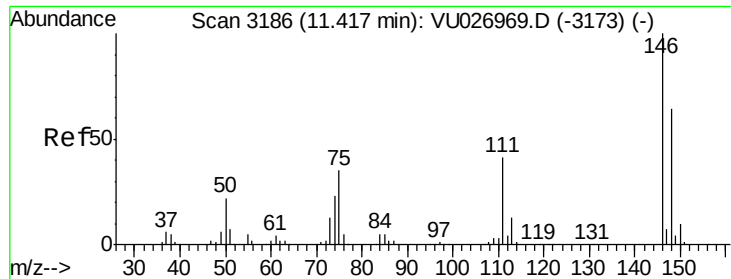
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 51.198 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	269484		
134	25.2	12.8	38.3	
91	24.8	12.3	36.8	





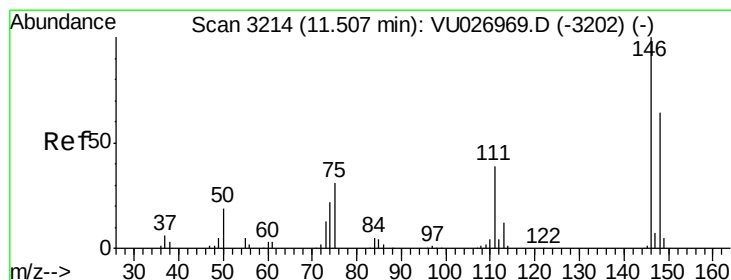
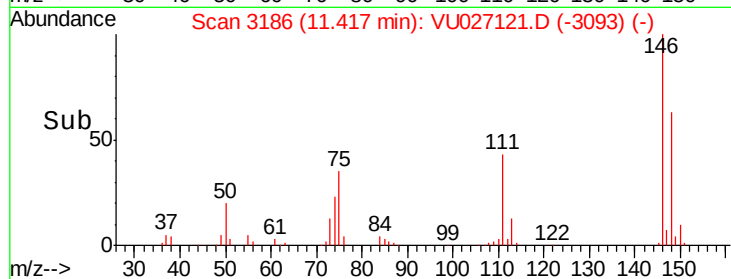
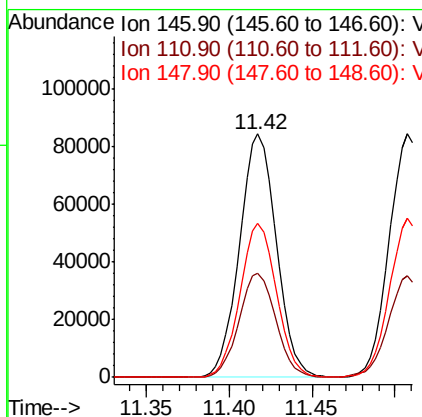
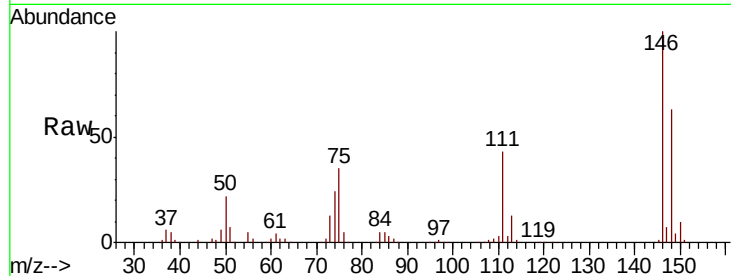
#87
 1,3-Dichlorobenzene
 Concen: 51.051 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	62.6	32.0	96.2

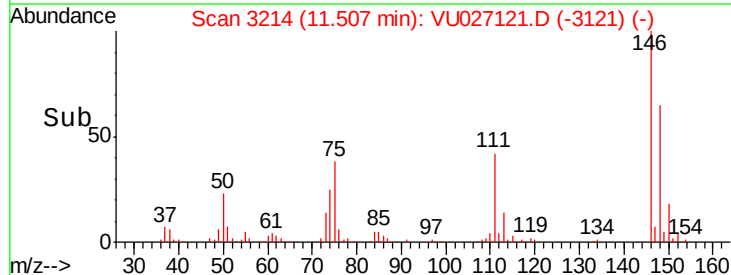
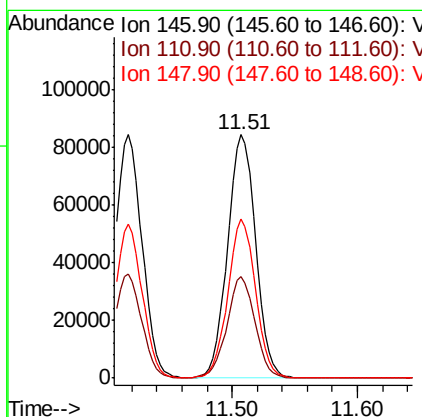
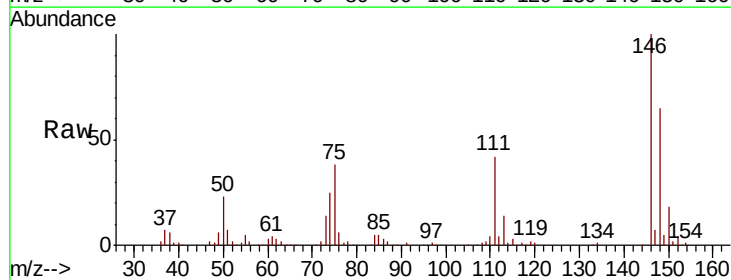
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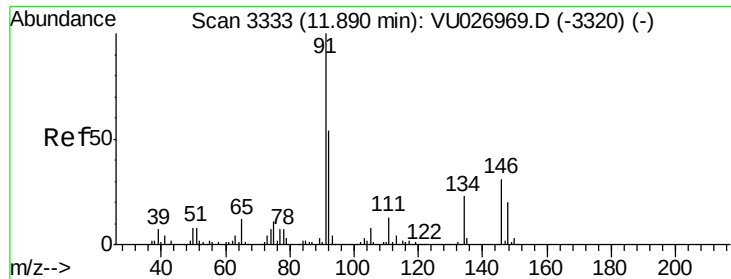
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#88
 1,4-Dichlorobenzene
 Concen: 47.041 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.9
148	64.2	31.9	95.9





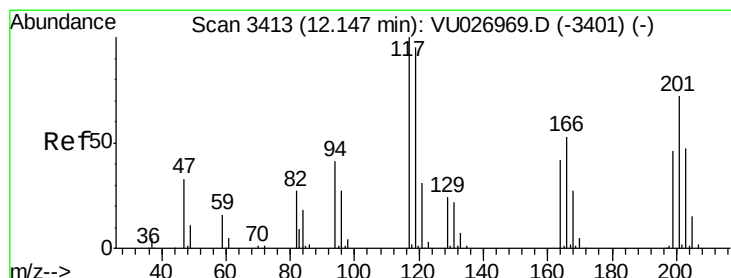
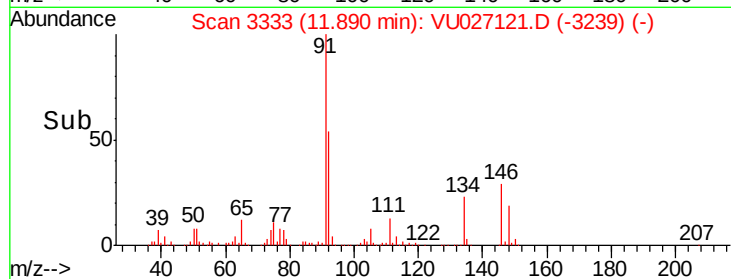
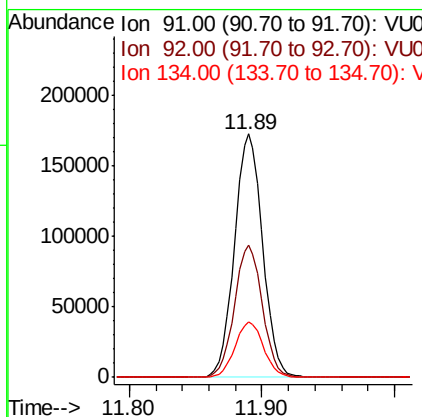
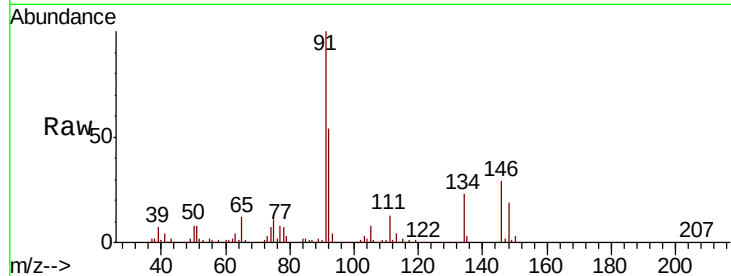
#89
n-Butylbenzene
Concen: 49.841 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	23.1	11.7	35.0

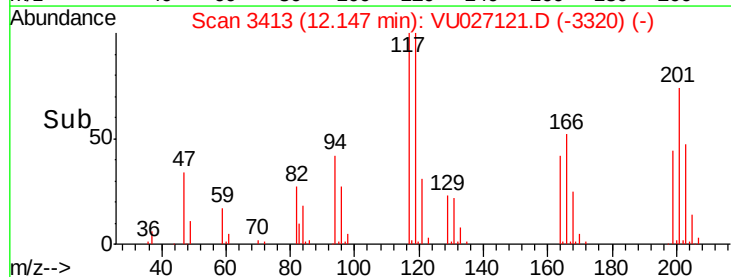
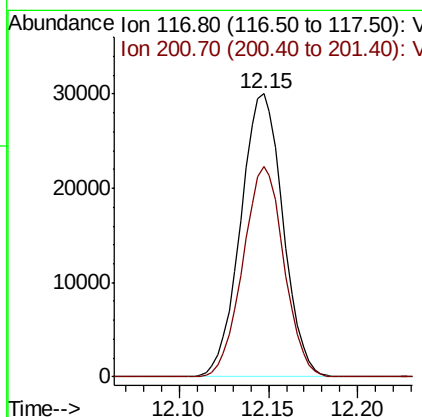
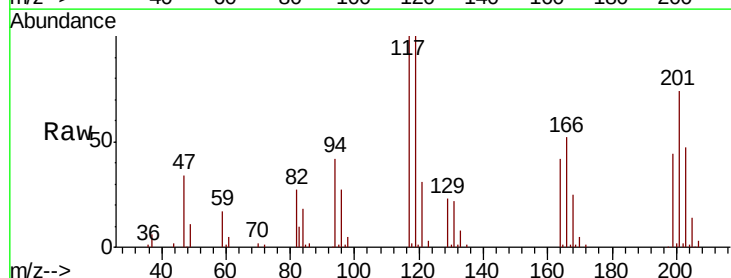
Manual Integrations
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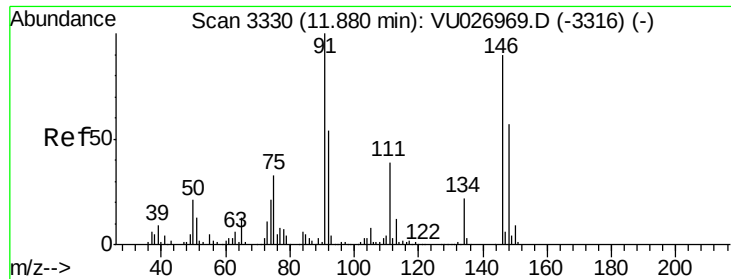
MMDadoda
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#90
Hexachloroethane
Concen: 48.736 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	36.8	110.3





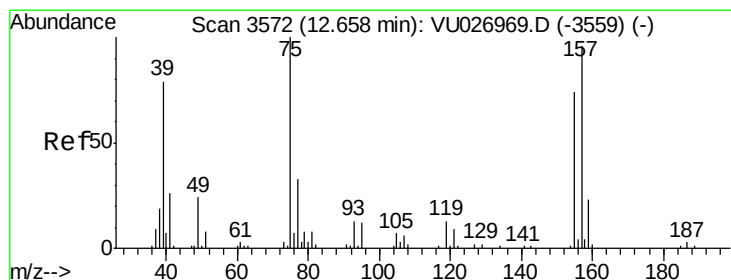
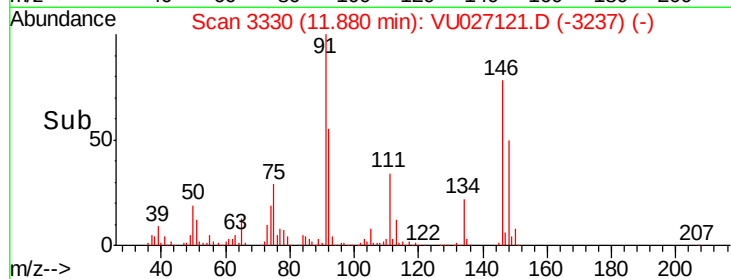
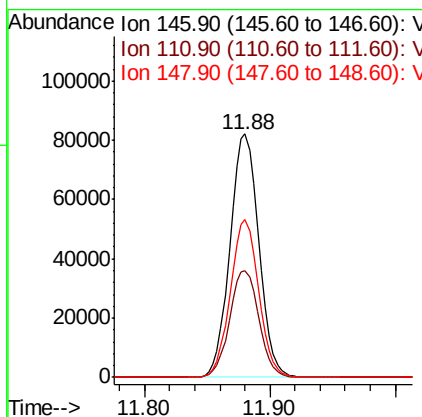
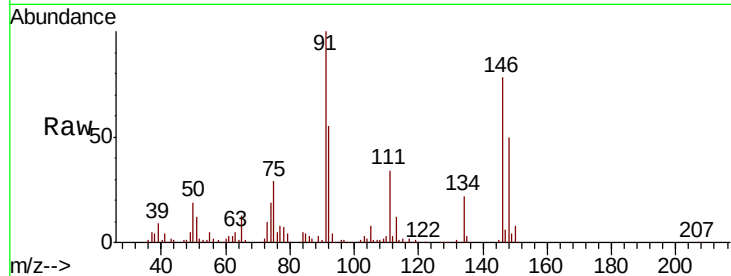
#91
 1,2-Dichlorobenzene
 Concen: 48.161 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.8	65.3
148	63.7	31.9	95.7

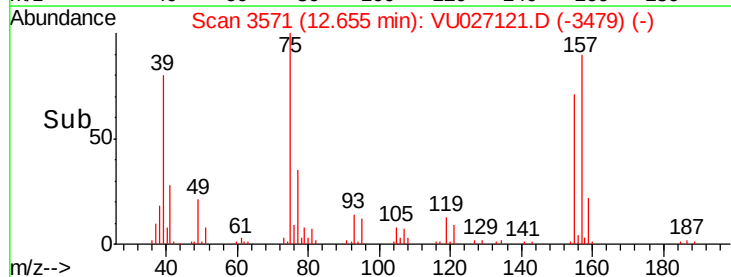
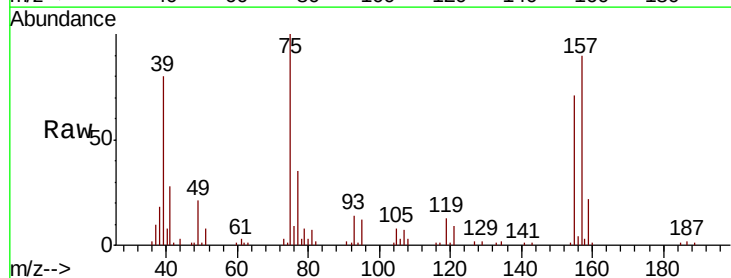
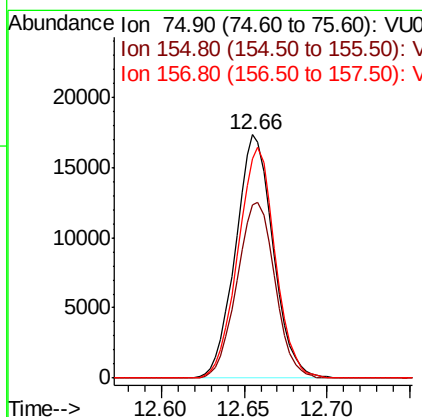
Manual Integrations
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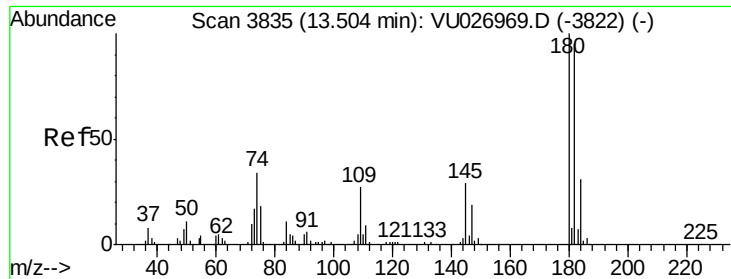
MMDadoda
 9/25/2018 11:34:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.633 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	36.6	109.8
157	93.9	47.4	142.2





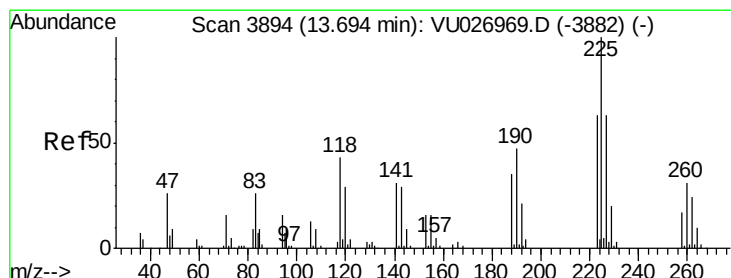
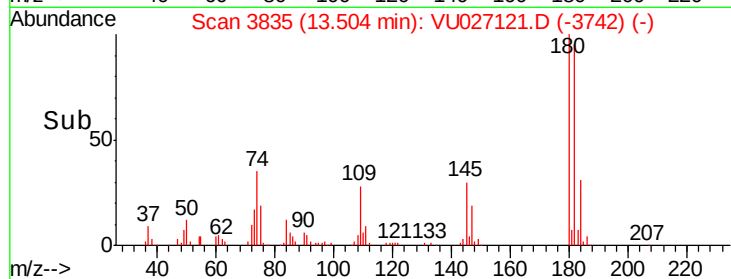
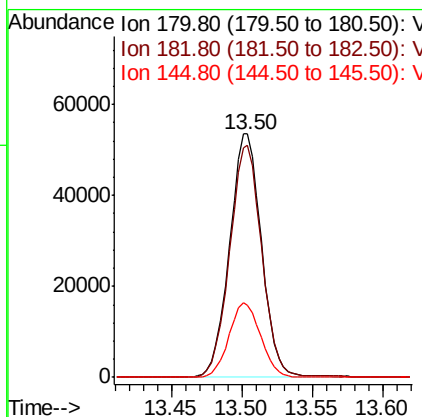
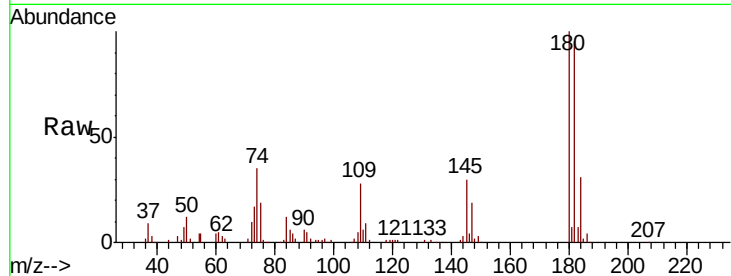
#93
 1,2,4-Trichlorobenzene
 Concen: 54.123 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84794		
182	95.9	47.4	142.2	
145	30.5	14.9	44.5	

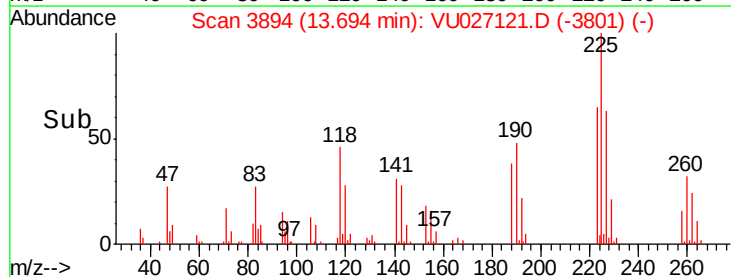
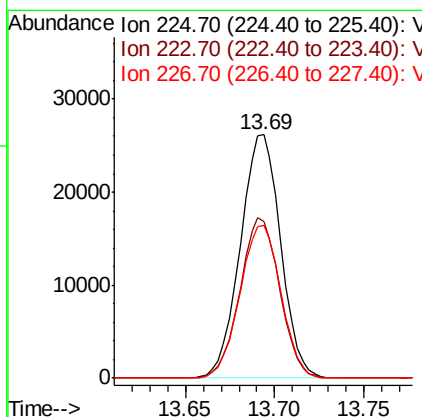
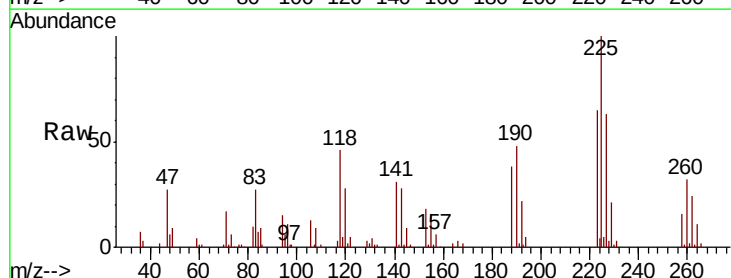
Manual Integrations
 APPROVED

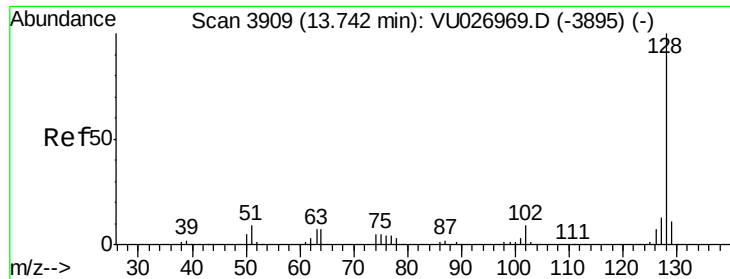
MMDadoda
 9/25/2018 11:34:16 AM



#94
 Hexachlorobutadiene
 Concen: 49.772 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027121.D
 Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41259		
223	64.9	31.9	95.7	
227	63.7	32.1	96.5	





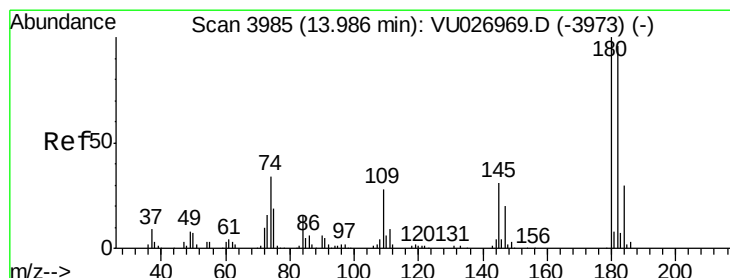
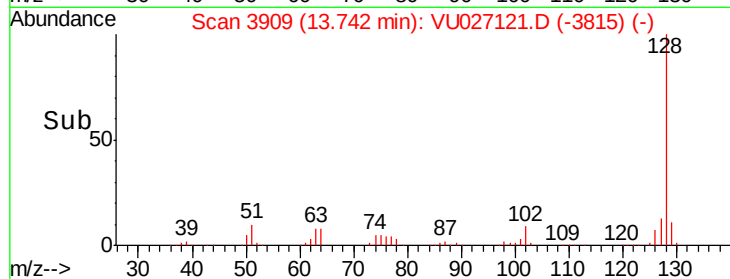
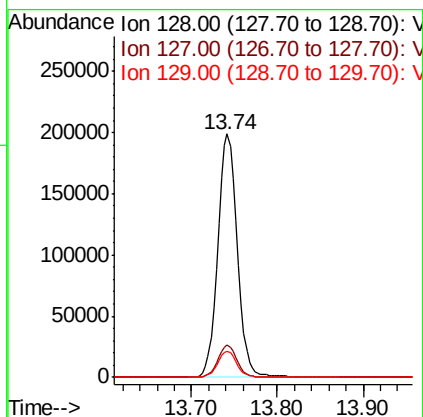
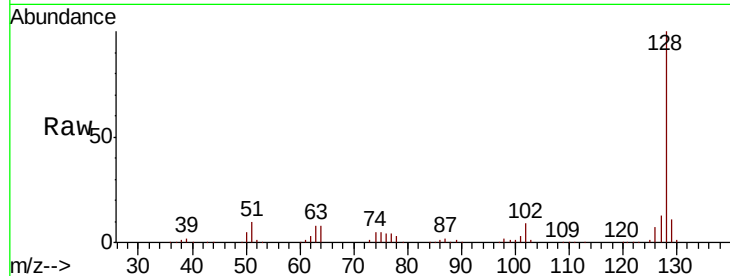
#95
Naphthalene
Concen: 51.255 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:34:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.795 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027121.D
Acq: 24 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.5
145	31.5	15.4	46.4

