

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033957.D
 Acq On : 26 Aug 2019 18:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:05 PM

Quant Time: Aug 27 06:33:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	432183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	706569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	690479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	376615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	614039	95.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.30%	
35) Dibromofluoromethane	4.86	113	472758	105.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.84%	
50) Toluene-d8	7.54	98	1817314	103.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.20%	
62) 4-Bromofluorobenzene	10.29	95	707327	107.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	507818	89.308	ug/l	99
3) Chloromethane	1.32	50	575195	57.622	ug/l	99
4) Vinyl Chloride	1.39	62	648288	86.085	ug/l	99
5) Bromomethane	1.59	94	270627	85.740	ug/l	98
6) Chloroethane	1.67	64	388442	90.288	ug/l	99
7) Trichlorofluoromethane	1.86	101	748979	92.756	ug/l	100
8) Diethyl Ether	2.09	74	326537	87.526	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.26	101	439962	91.565	ug/l	99
10) Methyl Iodide	2.39	142	722415	164.672	ug/l	99
11) Tert butyl alcohol	2.81	59	679587	472.478	ug/l	100
12) 1,1-Dichloroethene	2.26	96	449860	93.947	ug/l	97
13) Acrolein	2.18	56	386059	353.494	ug/l	99
14) Allyl chloride	2.57	41	795277	72.905	ug/l	99
15) Acrylonitrile	2.91	53	1716953	431.513	ug/l	99
16) Acetone	2.30	43	1600070	380.884	ug/l	98
17) Carbon Disulfide	2.45	76	1468043	85.877	ug/l	99
18) Methyl Acetate	2.59	43	786973	74.090	ug/l	100
19) Methyl tert-butyl Ether	2.97	73	1545208	86.539	ug/l	100
20) Methylene Chloride	2.68	84	528623	83.927	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	495516	91.813	ug/l	99
22) Diisopropyl ether	3.54	45	1696205	79.647	ug/l	94
23) Vinyl Acetate	3.50	43	7708042	435.140	ug/l	99
24) 1,1-Dichloroethane	3.42	63	959725	84.591	ug/l	99
25) 2-Butanone	4.23	43	2434850	426.524	ug/l	100
26) 2,2-Dichloropropane	4.19	77	780136	86.363	ug/l	99
27) cis-1,2-Dichloroethene	4.19	96	556222	91.772	ug/l	100
28) Bromochloromethane	4.51	49	458619	89.227	ug/l	100
29) Tetrahydrofuran	4.61	42	1519798	416.414	ug/l	100
30) Chloroform	4.64	83	905165	90.499	ug/l	99
31) Cyclohexane	4.97	56	873533	66.130	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	772758	92.863	ug/l	99
36) 1,1-Dichloropropene	5.11	75	708631	92.482	ug/l	100
37) Ethyl Acetate	4.35	43	872437	89.422	ug/l	99
38) Carbon Tetrachloride	5.11	117	669454	105.094	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	855578	91.866	ug/l	100
40) Benzene	5.36	78	2084994	92.249	ug/l	100
41) Methacrylonitrile	4.51	41	473652	89.073	ug/l	99
42) 1,2-Dichloroethane	5.38	62	749139	93.922	ug/l	100
43) Isopropyl Acetate	5.52	43	1331384	86.852	ug/l	99
44) Trichloroethene	6.16	130	523093	101.780	ug/l	99
45) 1,2-Dichloropropane	6.41	63	571165	90.583	ug/l	100
46) Dibromomethane	6.54	93	374592	98.602	ug/l	97
47) Bromodichloromethane	6.73	83	744327	99.800	ug/l	99
48) Methyl methacrylate	6.60	41	655340	86.523	ug/l	99
49) 1,4-Dioxane	6.59	88	283352	2237.579	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	4563480	465.698	ug/l	100
52) Toluene	7.61	92	1268617	95.019	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	875284	99.944	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	930474	97.810	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	521364	98.183	ug/l	99
56) Ethyl methacrylate	8.00	69	900228	101.005	ug/l	99
57) 1,3-Dichloropropane	8.22	76	946669	96.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1718987	392.323	ug/l	100
59) 2-Hexanone	8.34	43	3590479	463.256	ug/l	99
60) Dibromochloromethane	8.46	129	576333	108.799	ug/l	100
61) 1,2-Dibromoethane	8.57	107	573102	102.569	ug/l	99
64) Tetrachloroethene	8.21	164	445354	95.963	ug/l	99
65) Chlorobenzene	9.10	112	1388917	95.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	515130	108.350	ug/l	100
67) Ethyl Benzene	9.23	91	2489012	93.284	ug/l	100
68) m/p-Xylenes	9.36	106	1876914	192.837	ug/l	99
69) o-Xylene	9.76	106	908611	96.319	ug/l	100
70) Styrene	9.77	104	1615150	102.238	ug/l	99
71) Bromoform	9.94	173	461199	114.059	ug/l #	98
73) Isopropylbenzene	10.15	105	2464498	87.128	ug/l	99
74) N-amyl acetate	10.00	43	1240136	78.380	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	941987	86.755	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	801562m	84.901	ug/l	
77) Bromobenzene	10.43	156	617084	92.367	ug/l	100
78) n-propylbenzene	10.57	91	2967598	84.842	ug/l	100
79) 2-Chlorotoluene	10.64	91	1709959	84.851	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	2140941	91.168	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	376987m	91.623	ug/l	
82) 4-Chlorotoluene	10.75	91	2045200	85.391	ug/l	100
83) tert-Butylbenzene	11.08	119	2061111	91.275	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	2164843	89.646	ug/l	100
85) sec-Butylbenzene	11.31	105	2569870	89.071	ug/l	100
86) p-Isopropyltoluene	11.46	119	2358777	94.944	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1156428	91.575	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1137014	87.201	ug/l	100
89) n-Butylbenzene	11.87	91	2246572	90.470	ug/l	99
90) Hexachloroethane	12.13	117	425548	110.469	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	1129259	89.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	220712	93.950	ug/l	96

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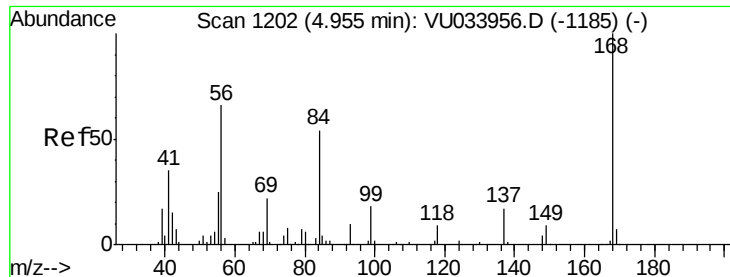
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	810281	90.049	ug/l	100
94) Hexachlorobutadiene	13.67	225	416731	98.876	ug/l	99
95) Naphthalene	13.73	128	2458344	83.365	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	792323	87.831	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 432183

Ion Ratio Lower Upper

168 100

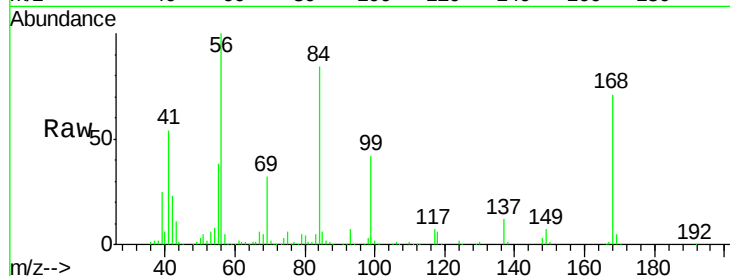
99 58.2 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

200000

150000

100000

50000

0

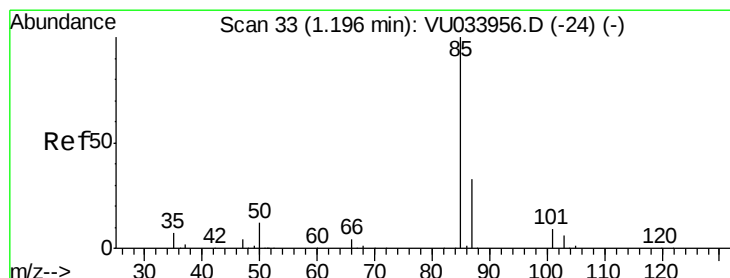
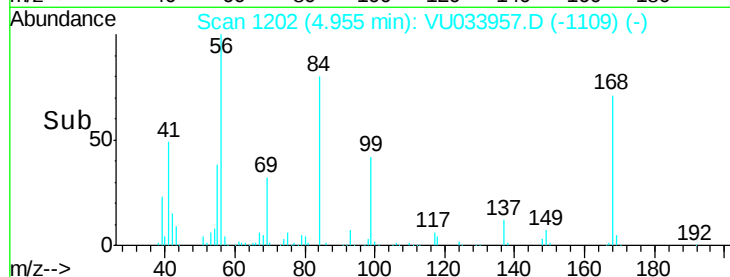
4.90

4.95

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 89.308 ug/l

RT: 1.19 min Scan# 32

Delta R.T. -0.00 min

Lab File: VU033957.D

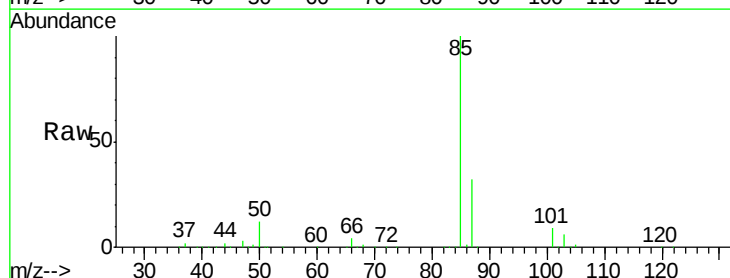
Acq: 26 Aug 2019 18:14

Tgt Ion: 85 Resp: 507818

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033956.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VU033956.D (-24) (-)

500000

400000

300000

200000

100000

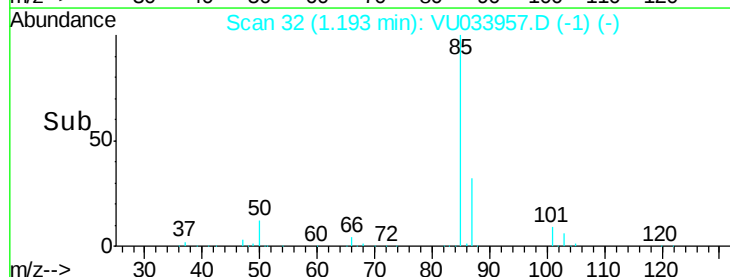
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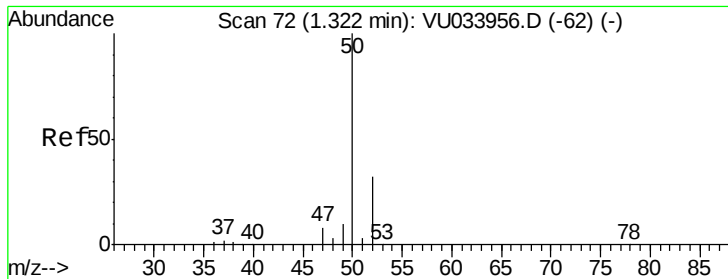
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 57.622 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 575195

Ion Ratio Lower Upper

50 100

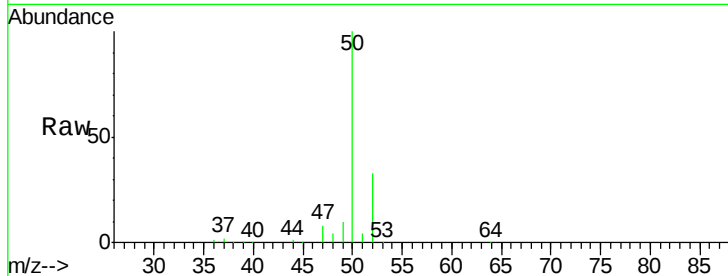
52 32.8 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VU033957.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033957.D (-1) (-)

1.32

600000

500000

400000

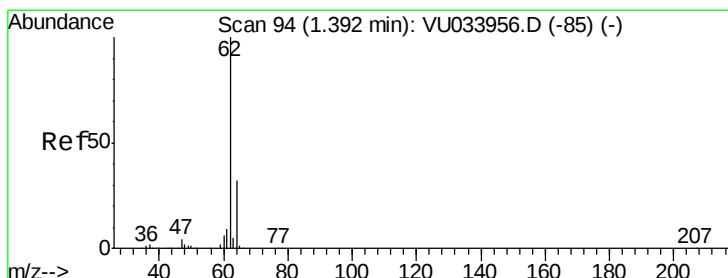
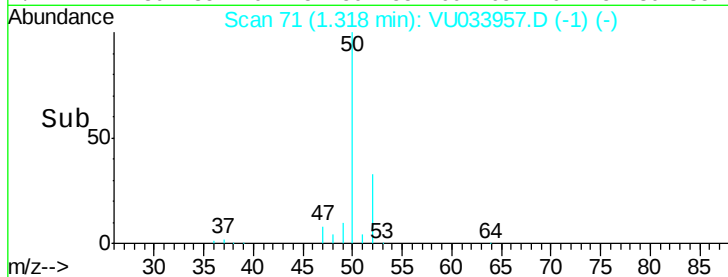
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 86.085 ug/l

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033957.D

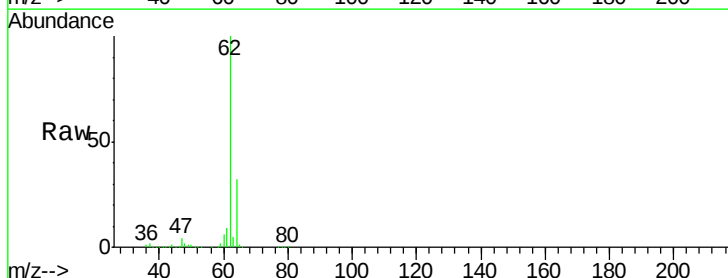
Acq: 26 Aug 2019 18:14

Tgt Ion: 62 Resp: 648288

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033957.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033957.D (-1) (-)

1.39

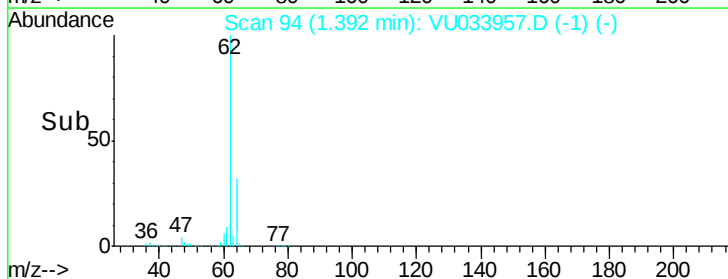
600000

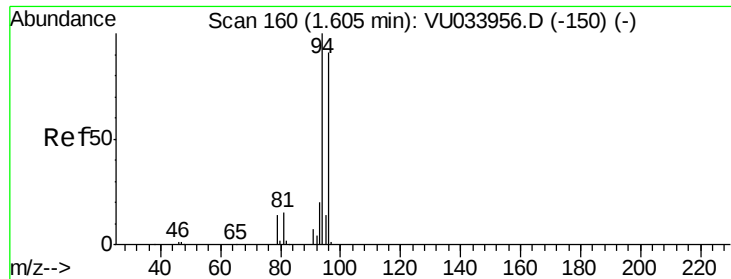
400000

200000

0

Time-->





#5

Bromomethane

Concen: 85.740 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 270627

Ion Ratio Lower Upper

94 100

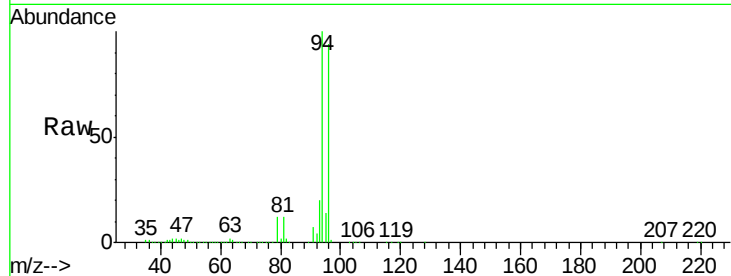
96 93.6 73.2 109.8

Manual Integrations

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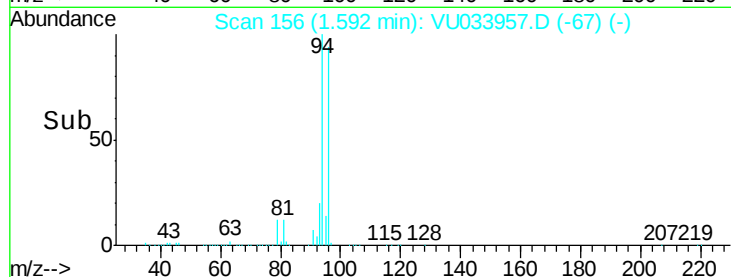


Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

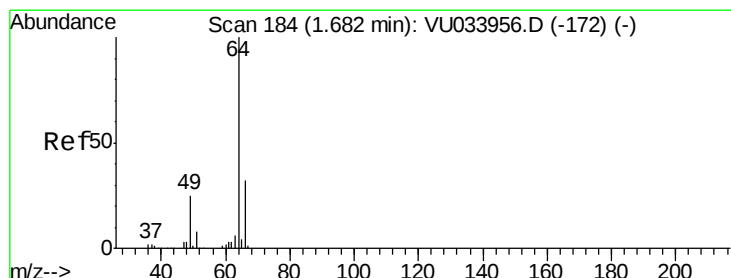
Ion 95.90 (95.60 to 96.60): VU033956.D (-150) (-)

1.59

Time-->



Time-->



#6

Chloroethane

Concen: 90.288 ug/l

RT: 1.67 min Scan# 180

Delta R.T. -0.01 min

Lab File: VU033957.D

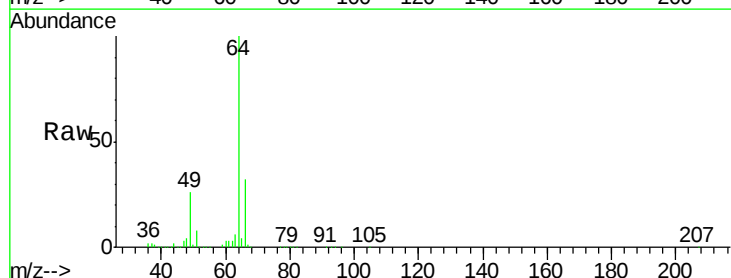
Acq: 26 Aug 2019 18:14

Tgt Ion: 64 Resp: 388442

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7

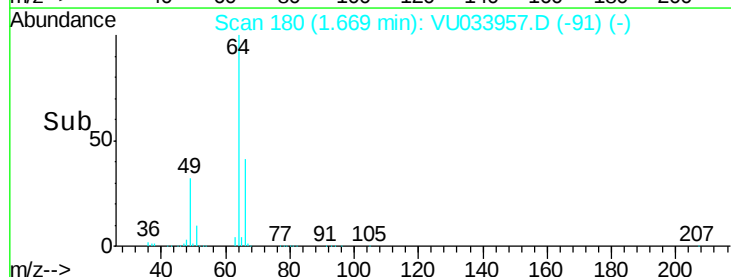


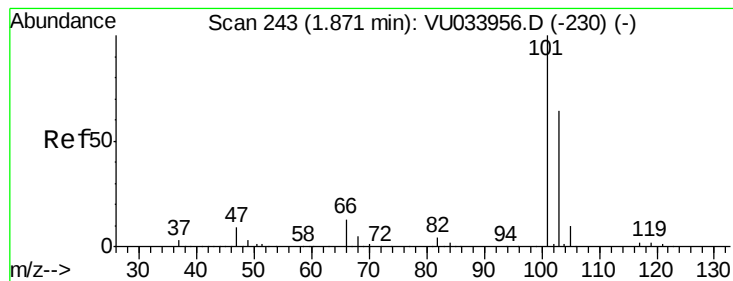
Abundance Ion 63.90 (63.60 to 64.60): VU033956.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033956.D (-172) (-)

1.67

Time-->





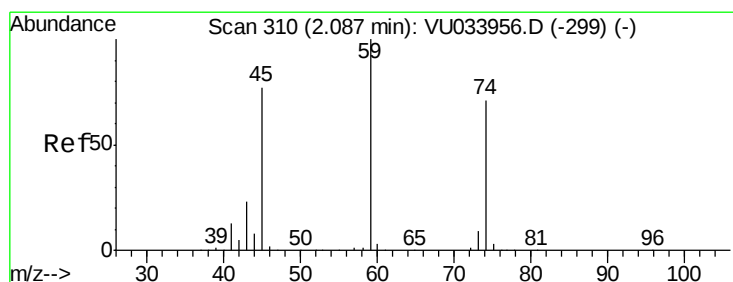
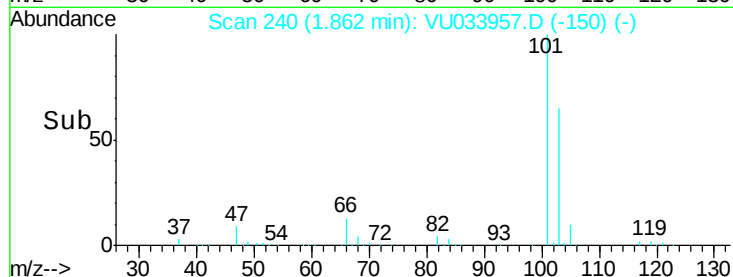
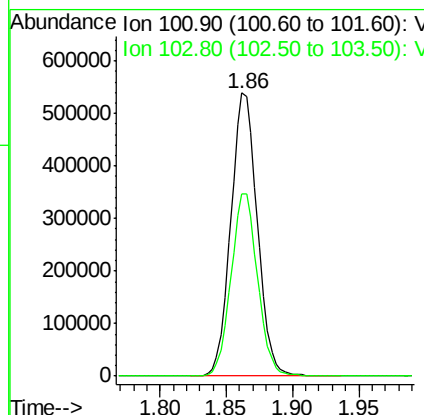
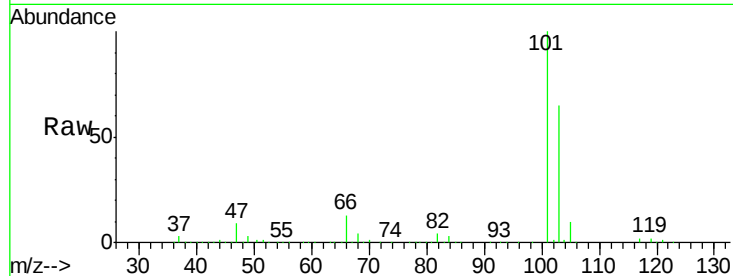
#7
 Trichlorofluoromethane
 Concen: 92.756 ug/l
 RT: 1.86 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		748979		
103	64.6	51.5	77.3		

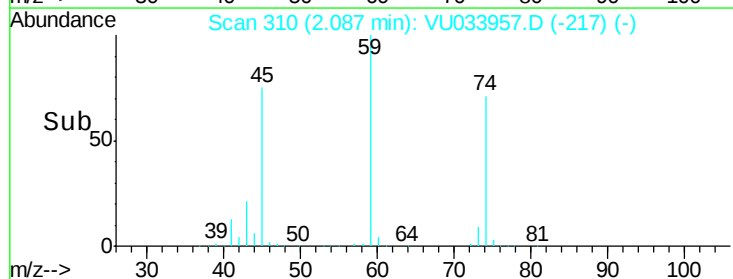
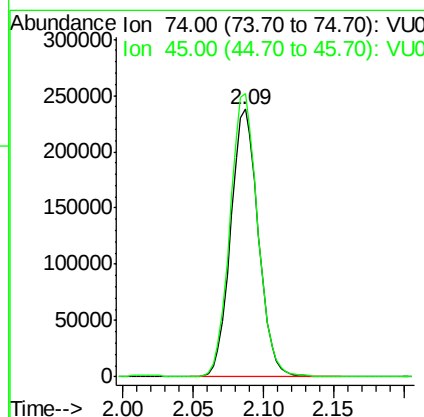
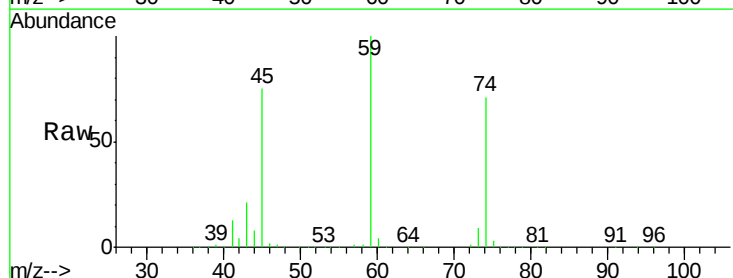
Manual Integrations
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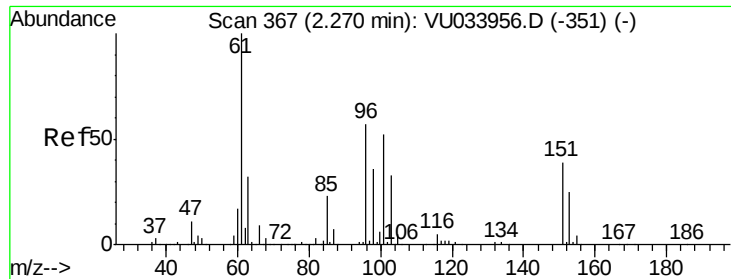
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 8/27/2019 12:17:05 PM



#8
 Diethyl Ether
 Concen: 87.526 ug/l
 RT: 2.09 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		326537		
45	106.1	53.9	161.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.565 ug/l

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

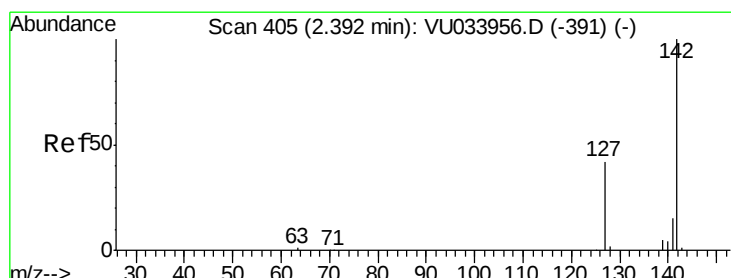
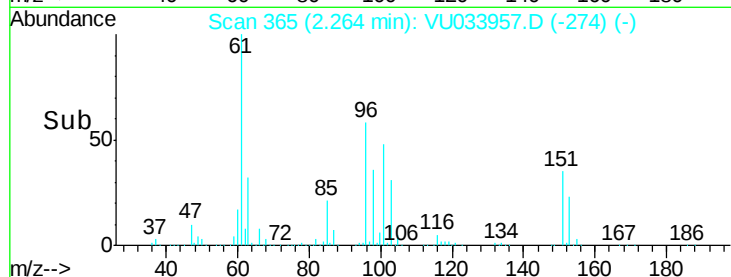
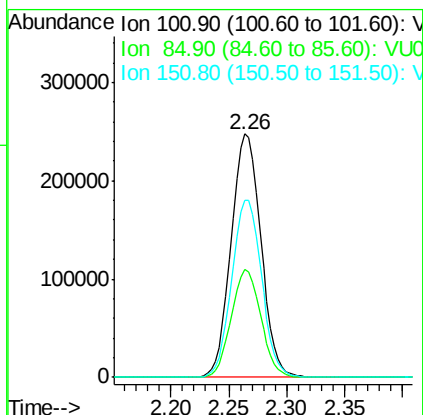
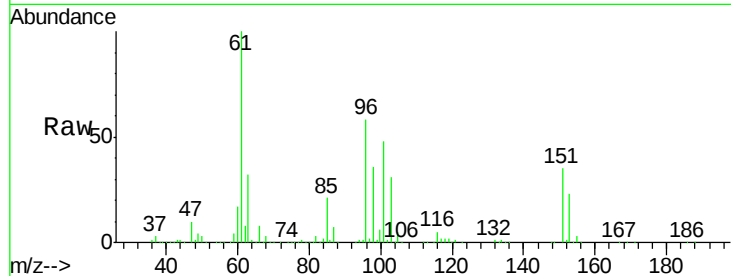
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	439962
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.6
151	73.0	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 164.672 ug/l

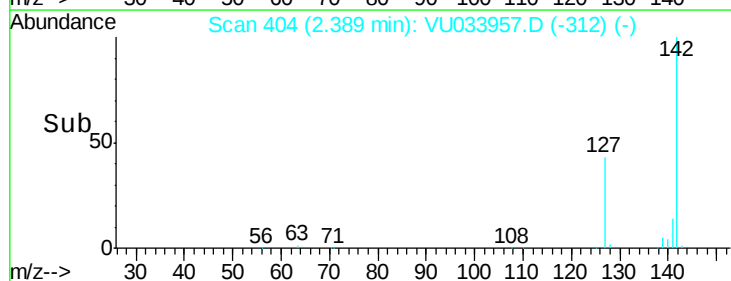
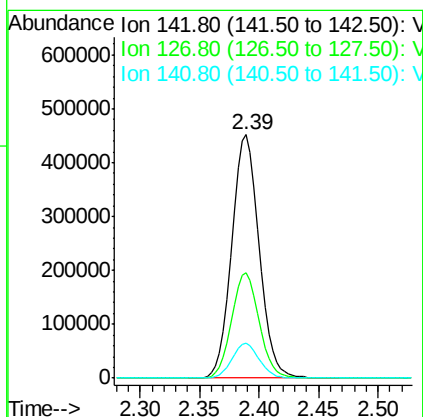
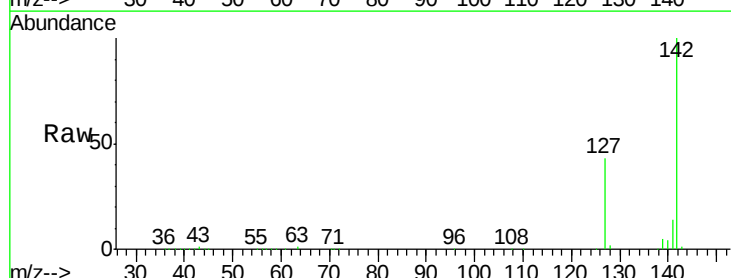
RT: 2.39 min Scan# 404

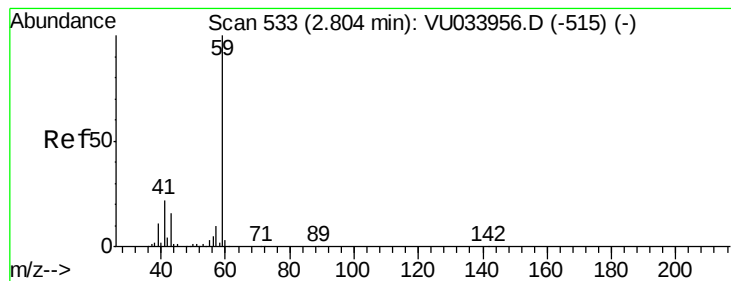
Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	142	Resp:	722415
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.3	51.5
141	14.3	11.8	17.6





#11

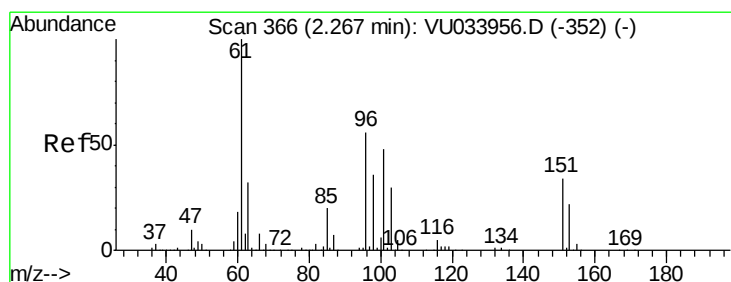
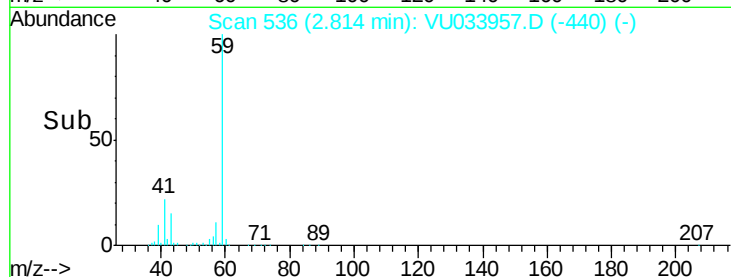
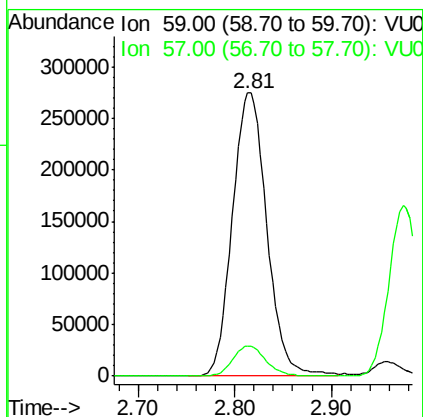
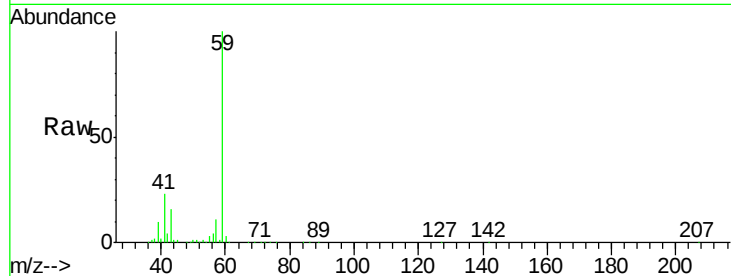
Tert butyl alcohol
 Concen: 472.478 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 59 Resp: 679587
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

Manual Integrations
 APPROVED

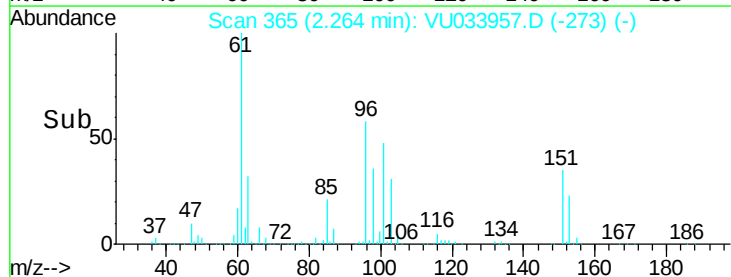
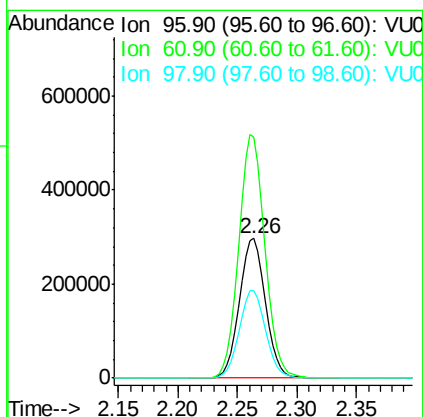
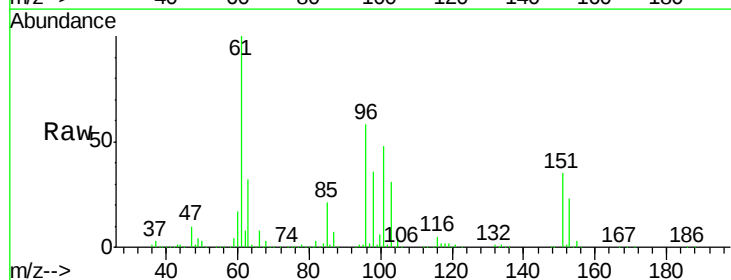
MMDadoda
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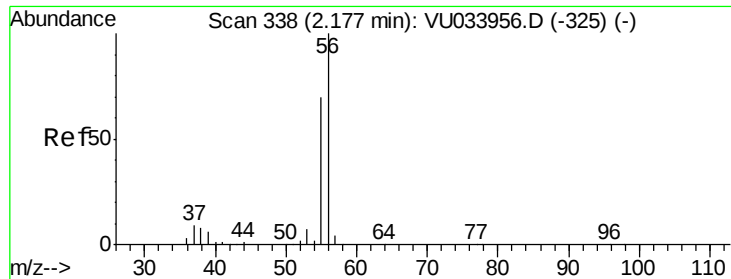


#12

1,1-Dichloroethene
 Concen: 93.947 ug/l
 RT: 2.26 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 96 Resp: 449860
 Ion Ratio Lower Upper
 96 100
 61 172.7 142.3 213.5
 98 62.7 51.0 76.6





#13

Acrolein

Concen: 353.494 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 386059

Ion Ratio Lower Upper

56 100

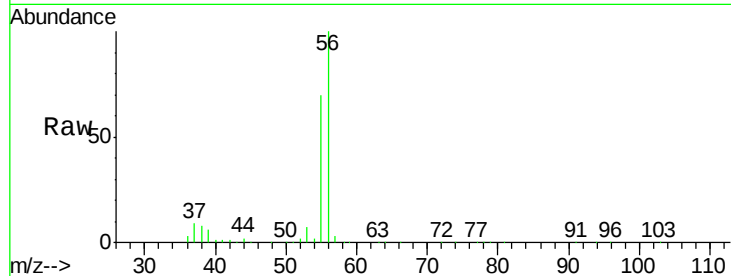
55 70.0 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.18

250000

200000

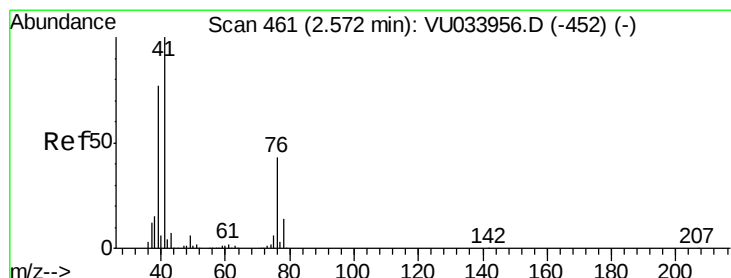
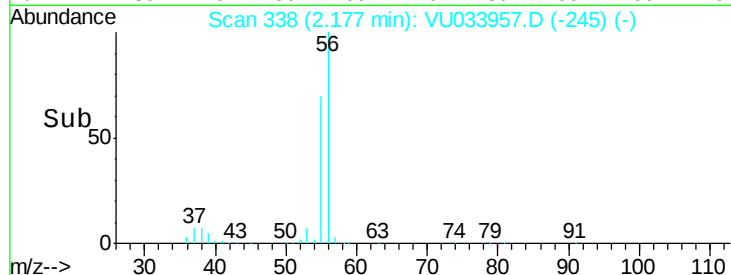
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 72.905 ug/l

RT: 2.57 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

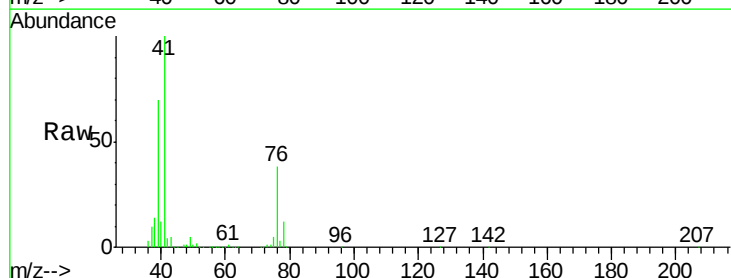
Tgt Ion: 41 Resp: 795277

Ion Ratio Lower Upper

41 100

39 69.5 56.4 84.6

76 36.4 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.57

600000

500000

400000

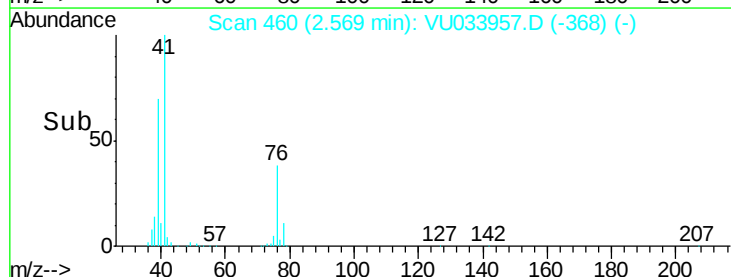
300000

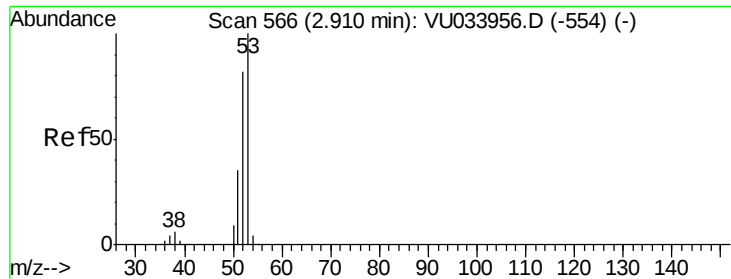
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 431.513 ug/l

RT: 2.91 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1716953

Ion Ratio Lower Upper

53 100

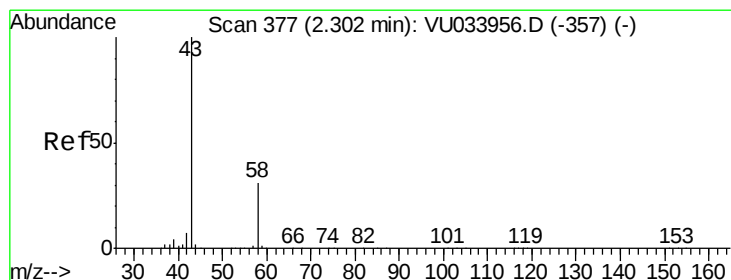
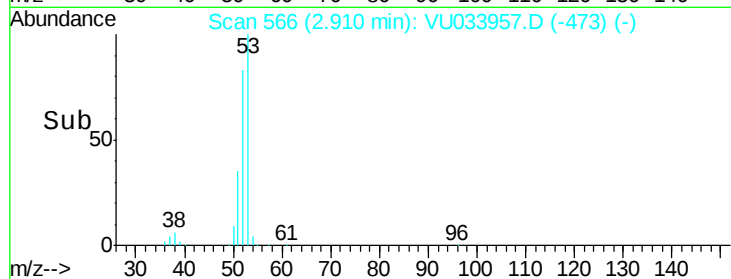
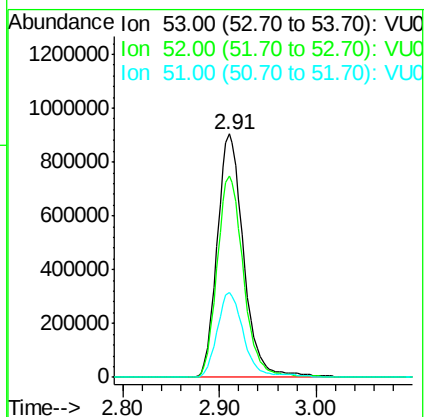
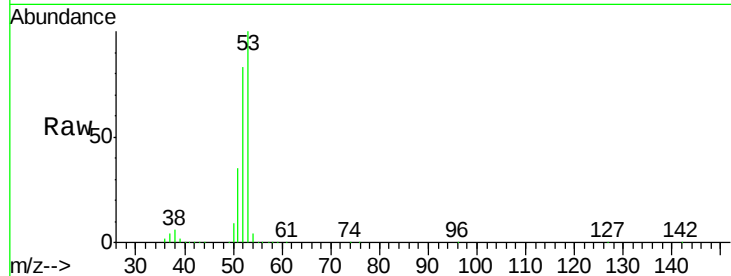
52 82.4 65.2 97.8

51 35.4 28.6 43.0

Manual Integrations
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#16

Acetone

Concen: 380.884 ug/l

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VU033957.D

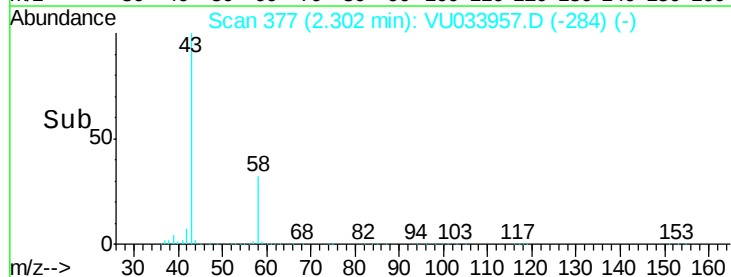
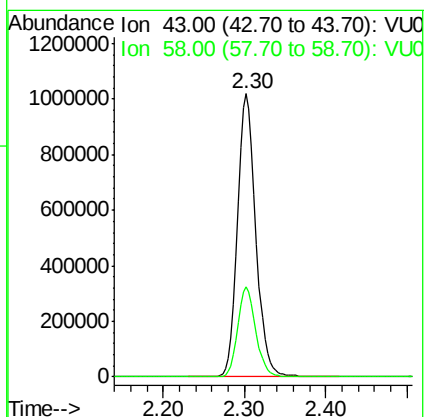
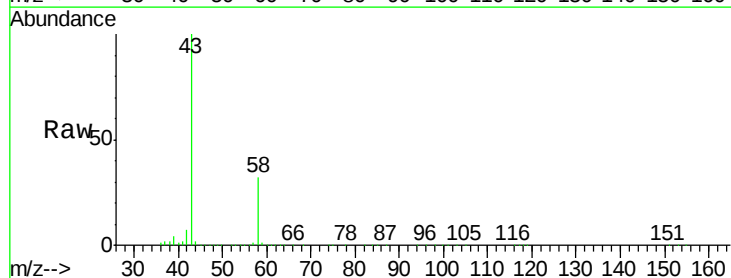
Acq: 26 Aug 2019 18:14

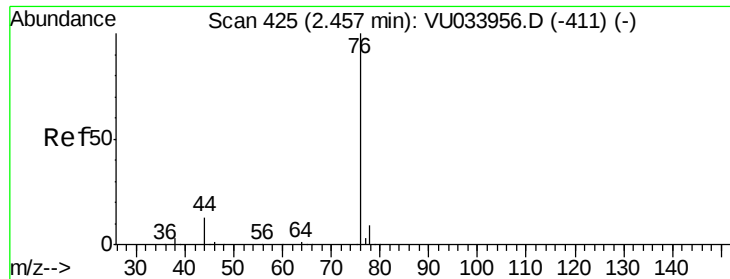
Tgt Ion: 43 Resp: 1600070

Ion Ratio Lower Upper

43 100

58 31.6 24.5 36.7





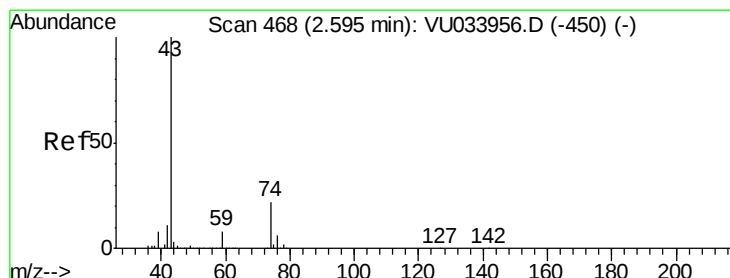
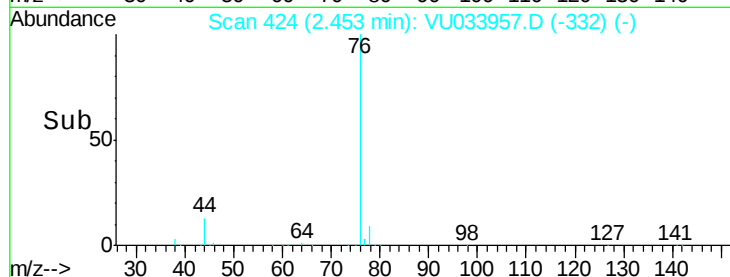
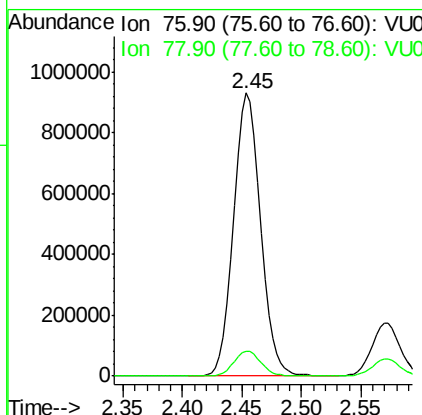
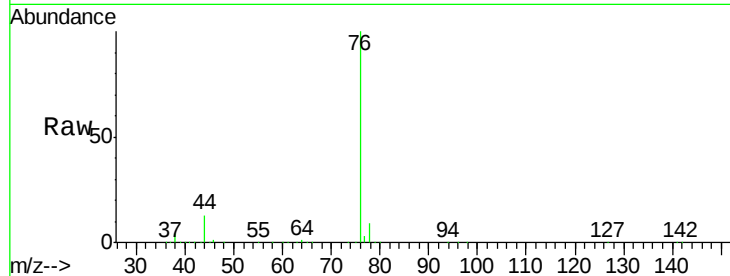
#17
Carbon Disulfide
Concen: 85.877 ug/l
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion: 76 Resp: 1468043
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

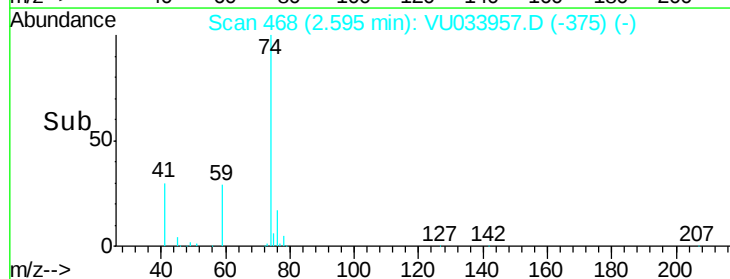
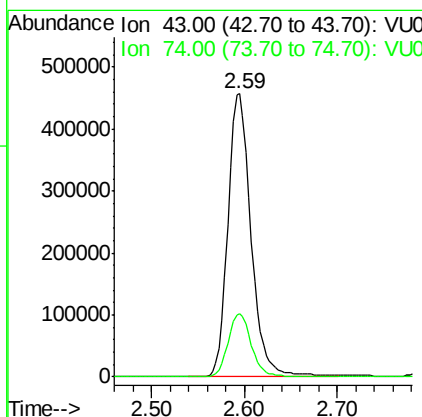
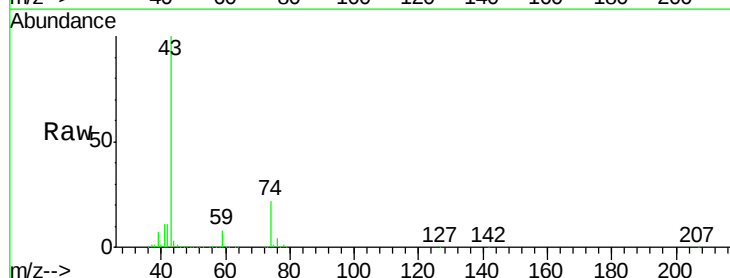
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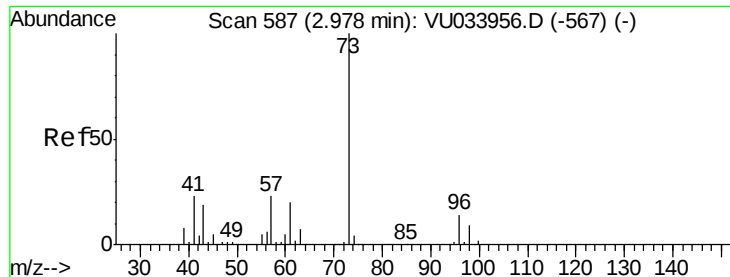
MMDadoda
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#18
Methyl Acetate
Concen: 74.090 ug/l
RT: 2.59 min Scan# 468
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 786973
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.2





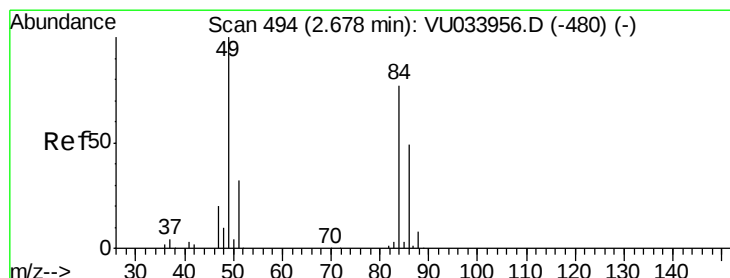
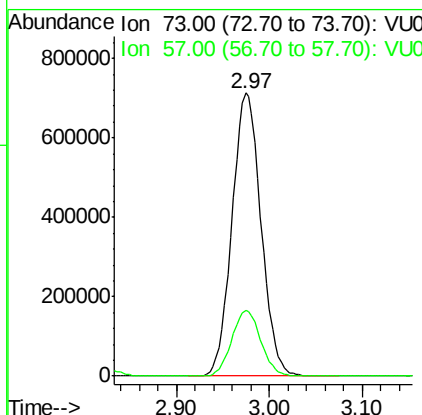
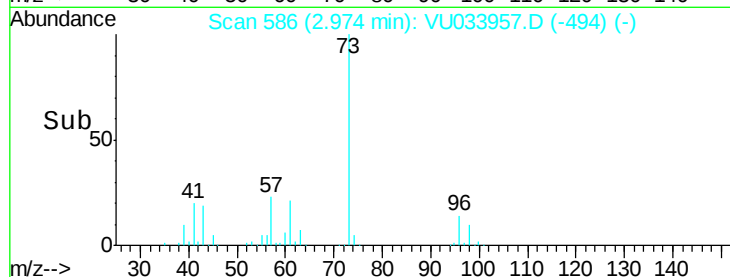
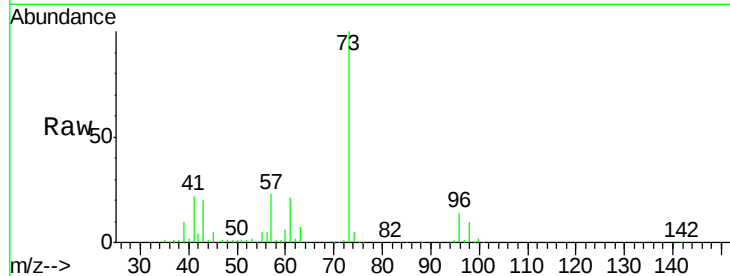
#19
Methvl tert-butvl Ether
Concen: 86.539 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1545208
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

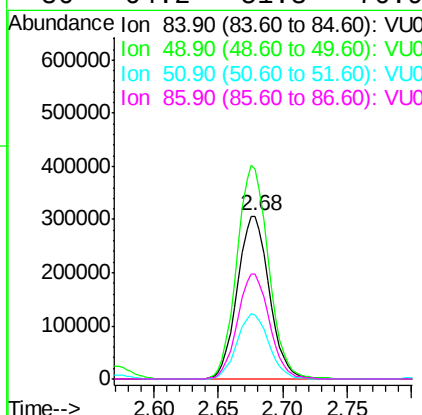
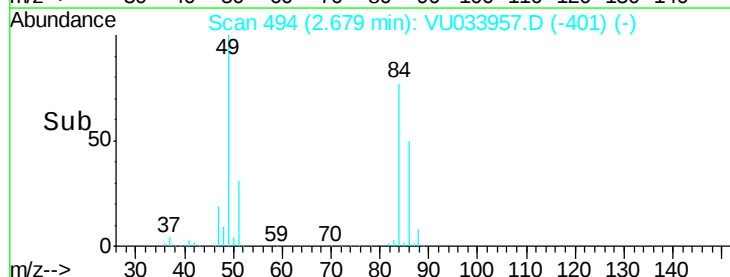
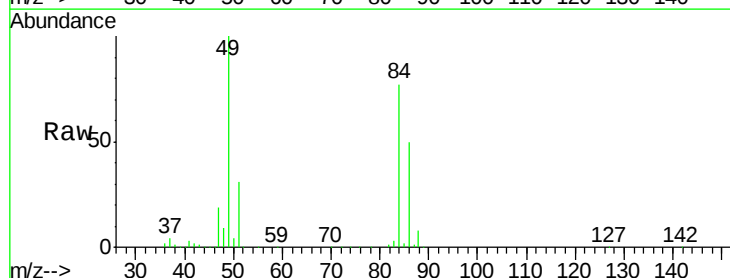
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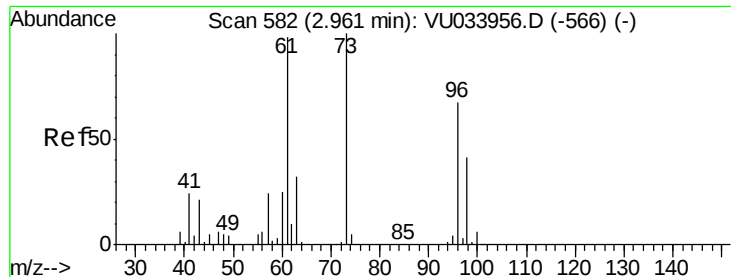
MMDadoda
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#20
Methylene Chloride
Concen: 83.927 ug/l
RT: 2.68 min Scan# 494
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 84 Resp: 528623
Ion Ratio Lower Upper
84 100
49 129.0 104.1 156.1
51 39.6 33.0 49.6
86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 91.813 ug/l

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 495516

Ion Ratio Lower Upper

96 100

61 148.0 117.8 176.8

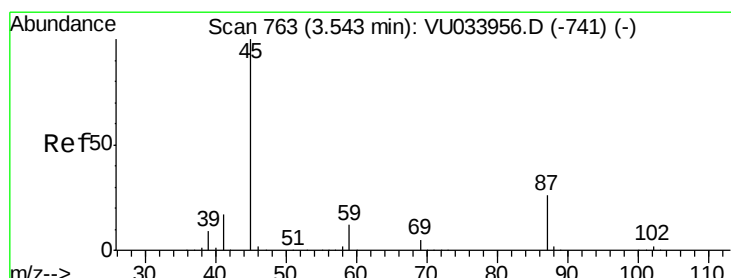
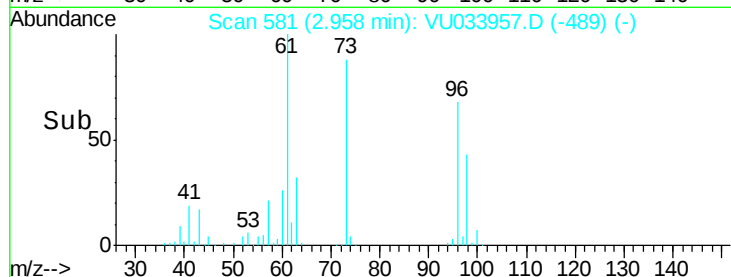
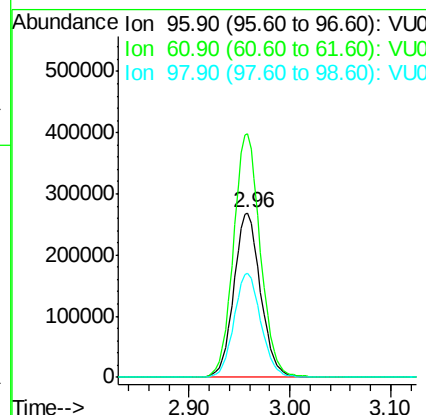
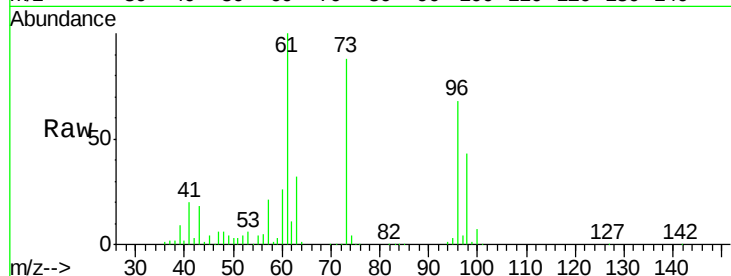
98 63.6 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 79.647 ug/l

RT: 3.54 min Scan# 763

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Tgt Ion: 45 Resp: 1696205

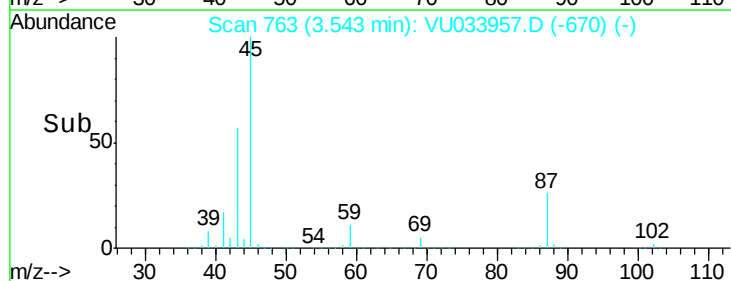
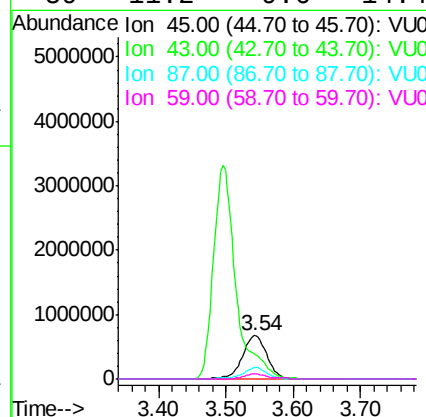
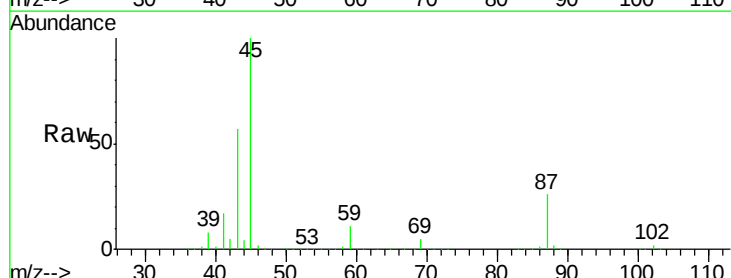
Ion Ratio Lower Upper

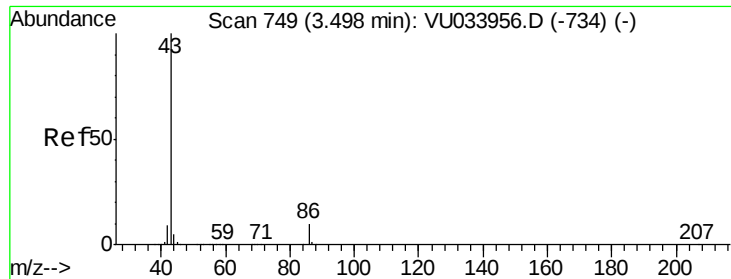
45 100

43 56.9 50.6 76.0

87 26.0 21.2 31.8

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 435.140 ug/l

RT: 3.50 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7708042

Ion Ratio Lower Upper

43 100

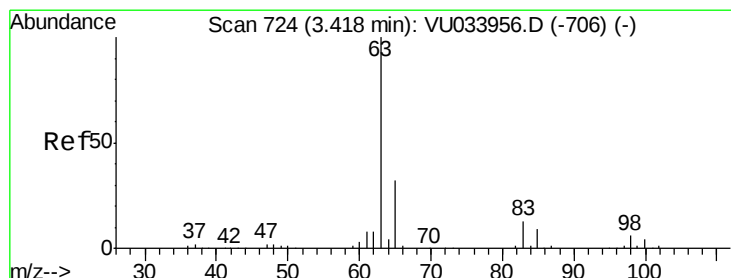
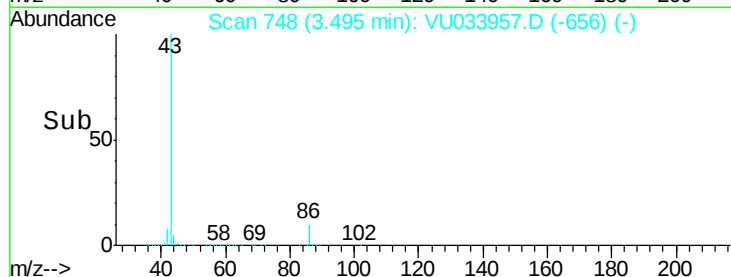
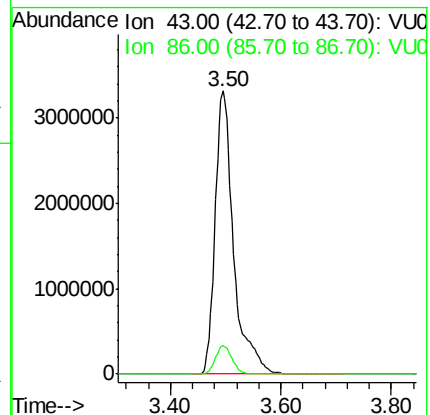
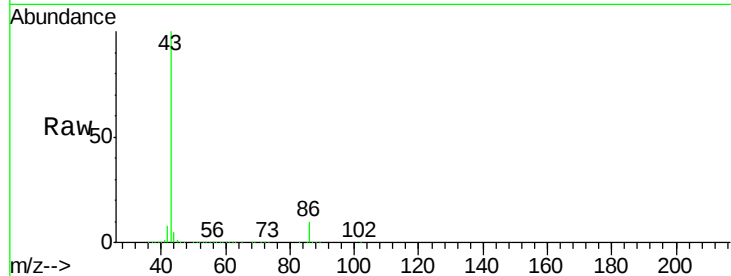
86 10.0 8.2 12.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 84.591 ug/l

RT: 3.42 min Scan# 724

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

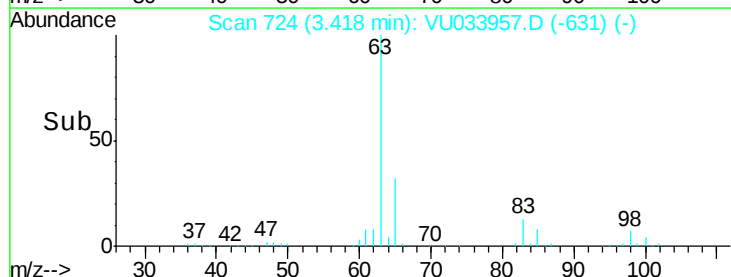
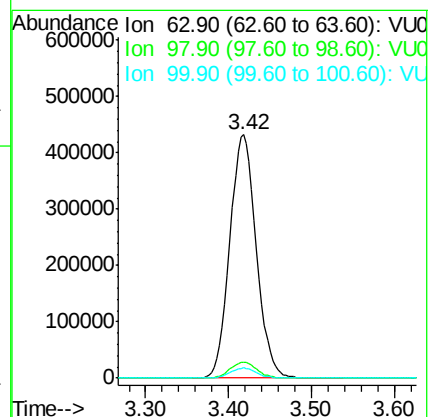
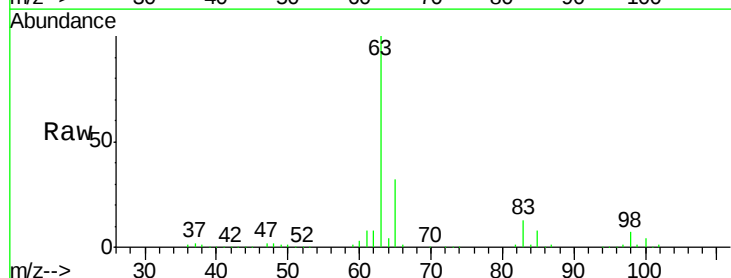
Tgt Ion: 63 Resp: 959725

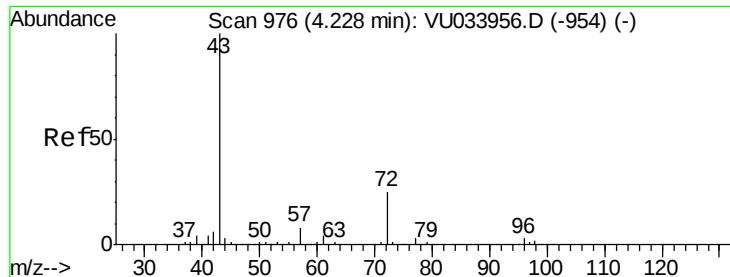
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 426.524 ug/l

RT: 4.23 min Scan# 976

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2434850

Ion Ratio Lower Upper

43 100

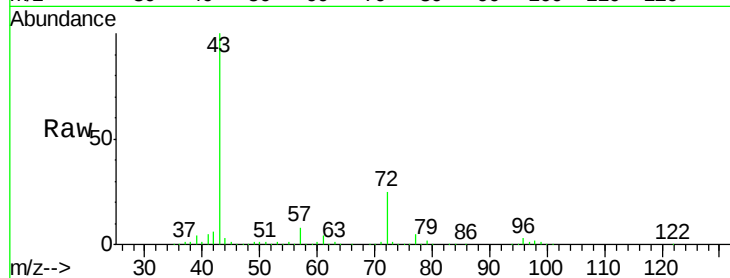
72 25.3 20.3 30.5

Manual Integrations

APPROVED

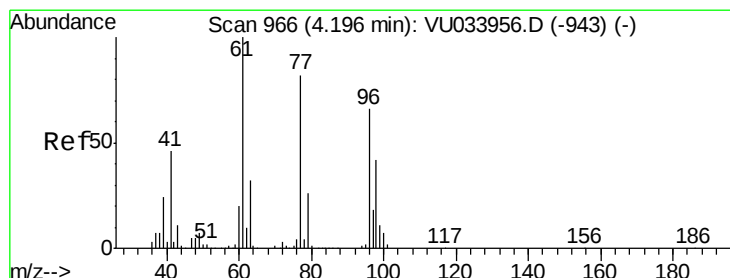
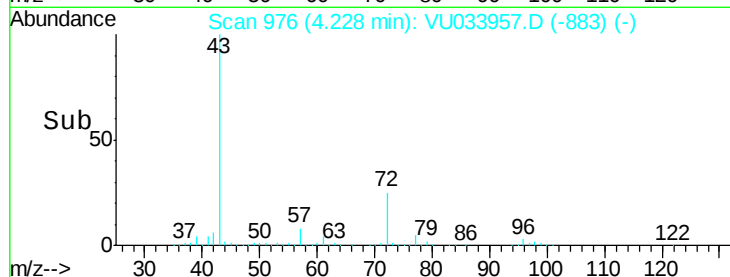
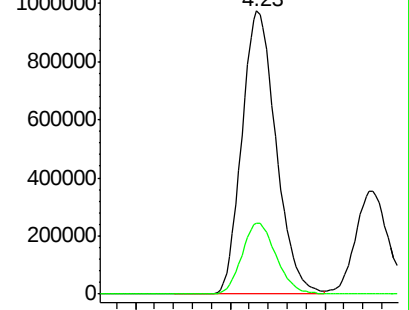
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU033956.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 86.363 ug/l

RT: 4.19 min Scan# 965

Delta R.T. -0.00 min

Lab File: VU033957.D

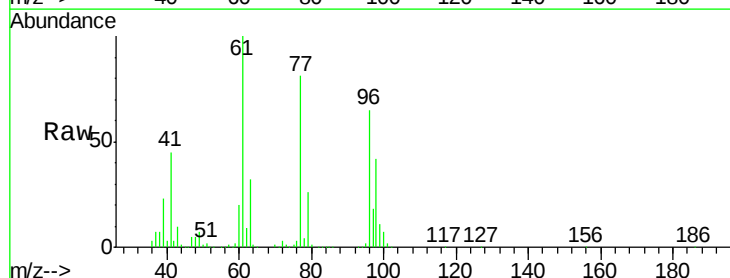
Acq: 26 Aug 2019 18:14

Tgt Ion: 77 Resp: 780136

Ion Ratio Lower Upper

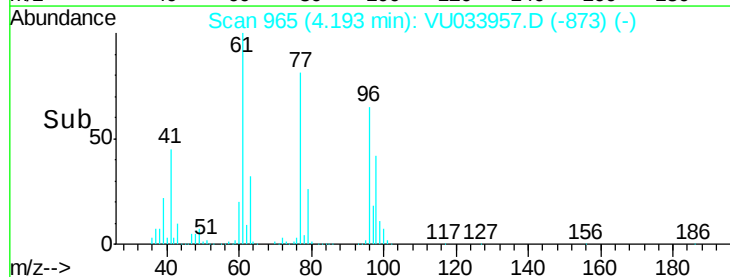
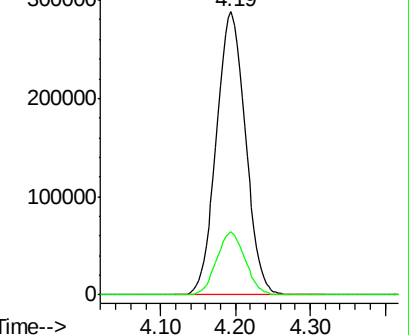
77 100

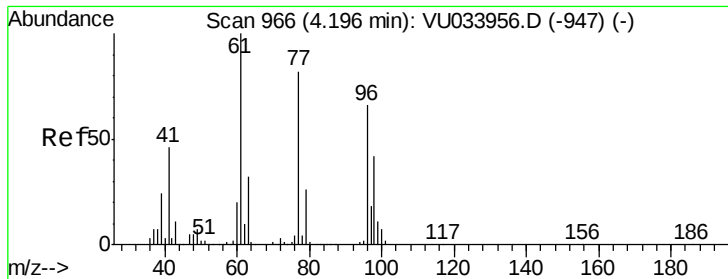
97 21.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033956.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU033956.D (-943) (-)





#27

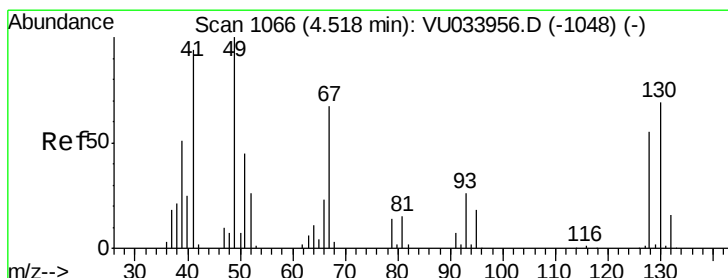
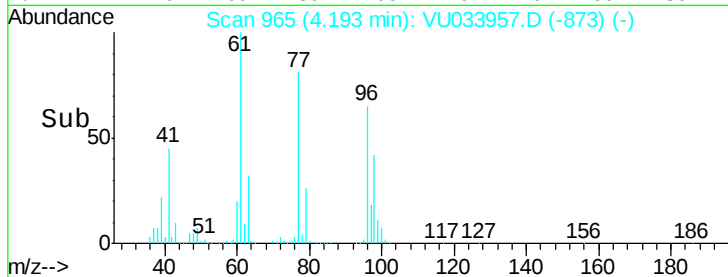
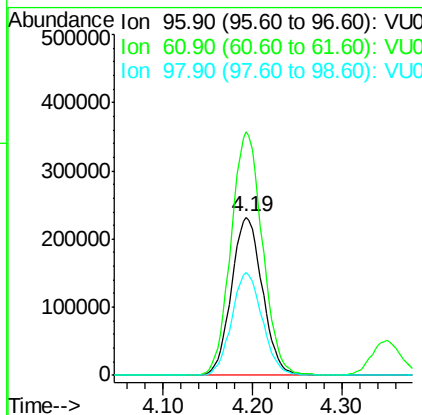
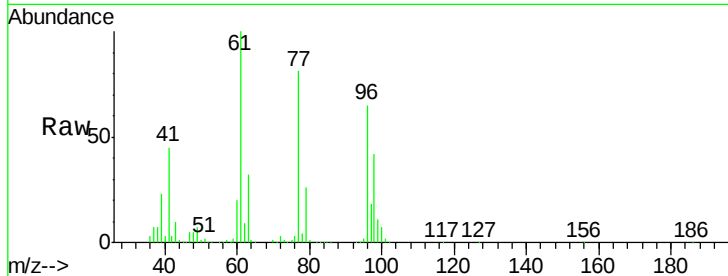
cis-1,2-Dichloroethene
Concen: 91.772 ug/l
RT: 4.19 min Scan# 965
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	556222		
61	156.7	0.0	312.2	
98	64.7	0.0	129.4	

Manual Integrations
APPROVED

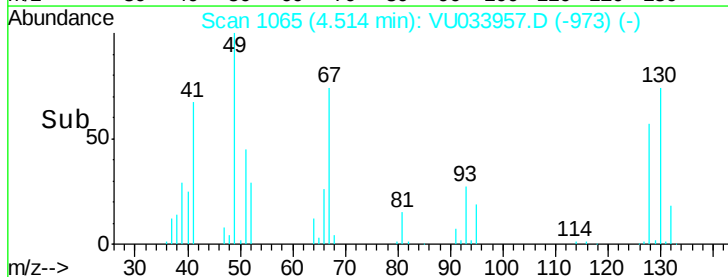
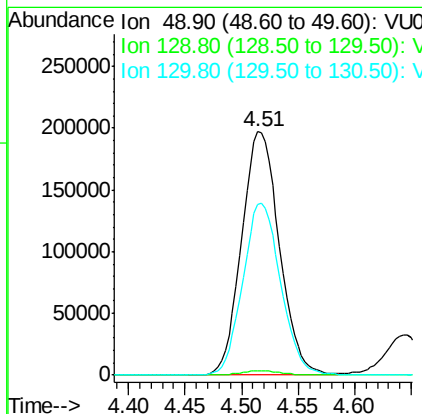
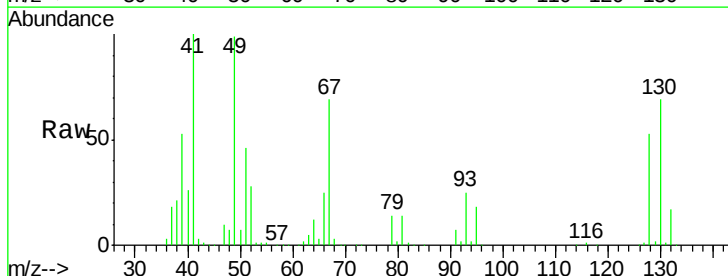
MMDadoda
8/27/2019 12:17:05 PM

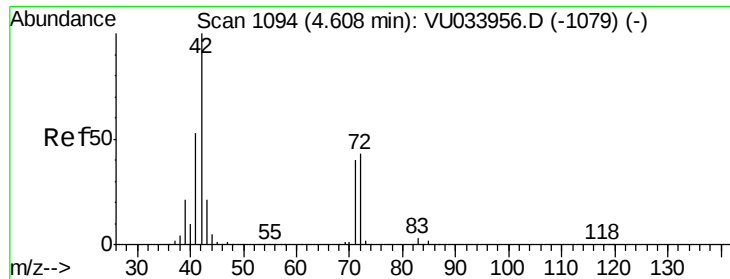


#28

Bromochloromethane
Concen: 89.227 ug/l
RT: 4.51 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	458619		
129	1.8	0.0	3.6	
130	70.7	56.2	84.4	





#29

Tetrahydrofuran

Concen: 416.414 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 1519798

Ion Ratio Lower Upper

42 100

72 43.5 34.6 52.0

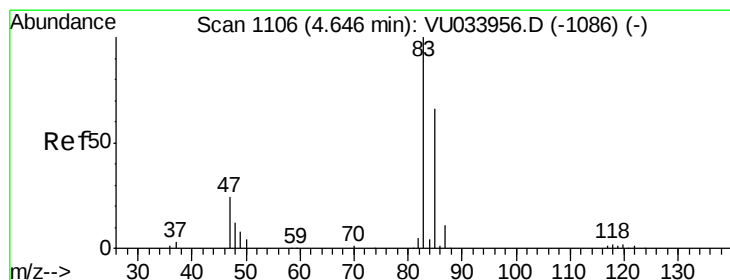
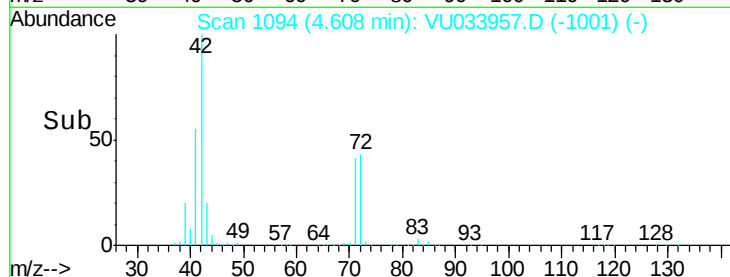
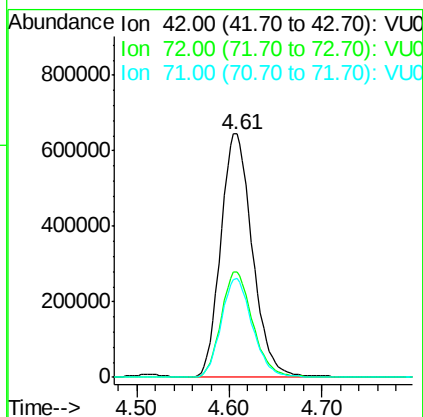
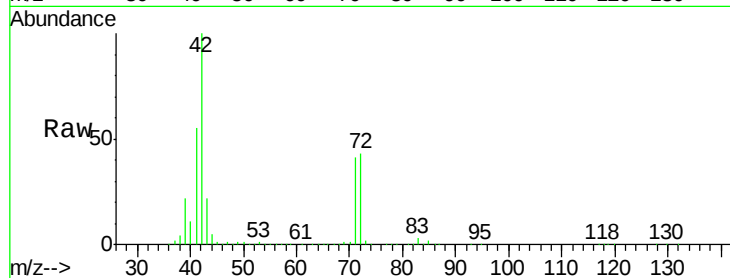
71 40.5 32.1 48.1

Manual Integrations

APPROVED

MMDadoda

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#30

Chloroform

Concen: 90.499 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU033957.D

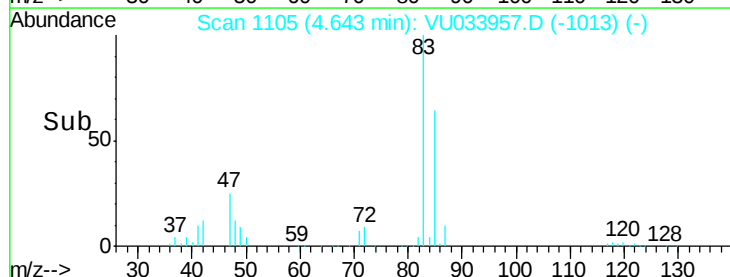
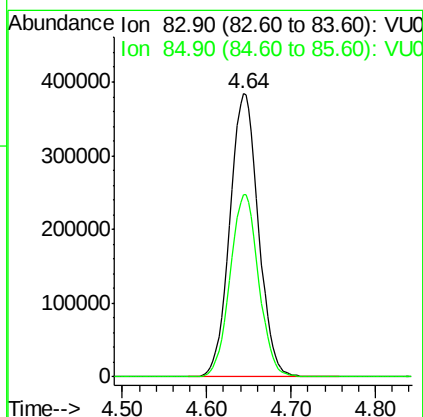
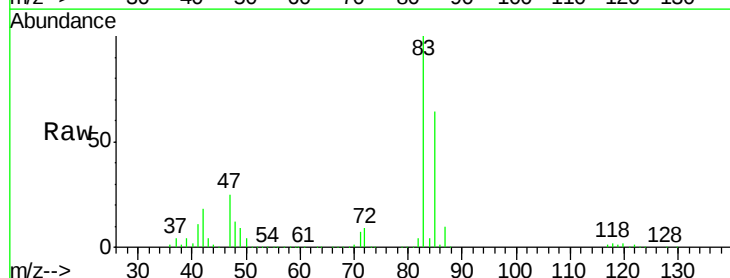
Acq: 26 Aug 2019 18:14

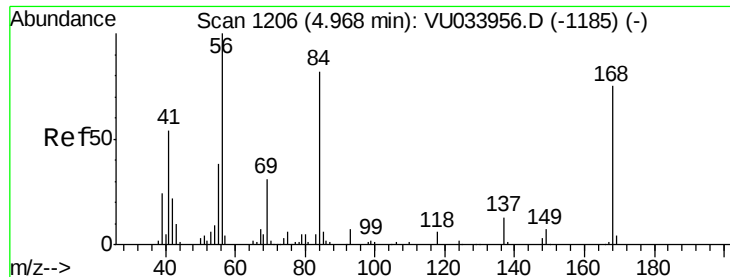
Tgt Ion: 83 Resp: 905165

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6





#31

Cyclohexane

Concen: 66.130 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 873533

Ion Ratio Lower Upper

56 100

69 30.1 24.6 37.0

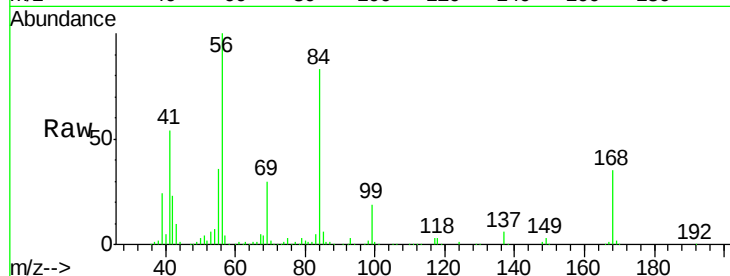
84 82.2 65.4 98.0

Manual Integrations

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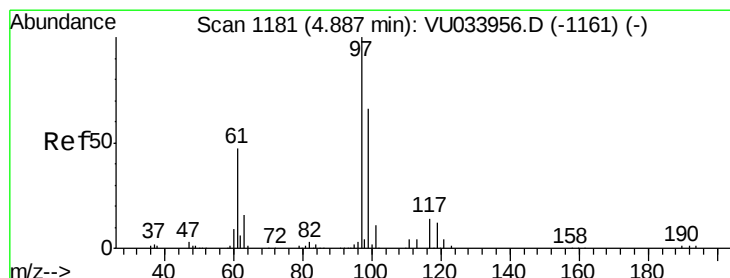
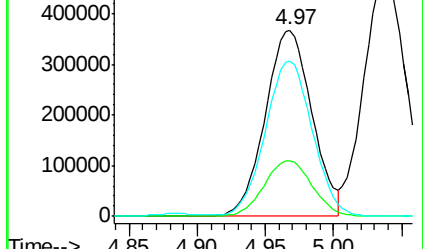
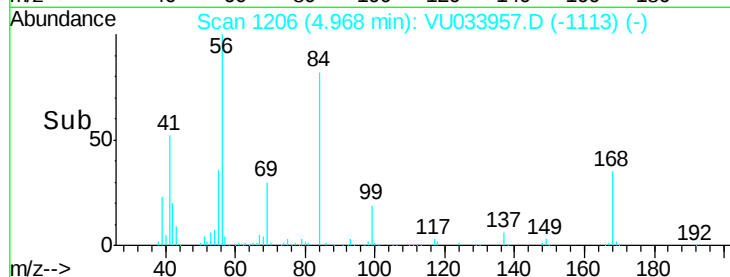


Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-1185) (-)

Ion 69.00 (68.70 to 69.70): VU033956.D (-1185) (-)

Ion 84.00 (83.70 to 84.70): VU033956.D (-1185) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 92.863 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

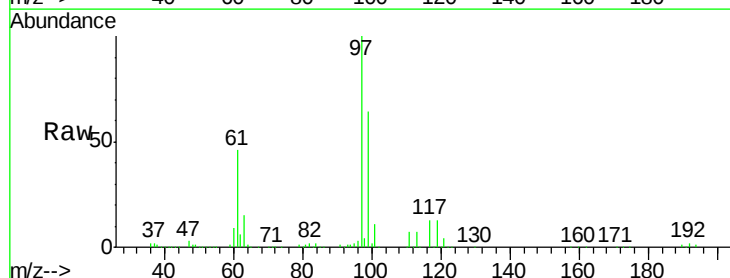
Tgt Ion: 97 Resp: 772758

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 46.7 38.4 57.6

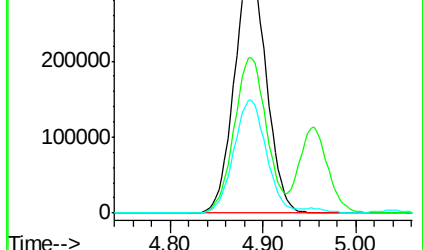
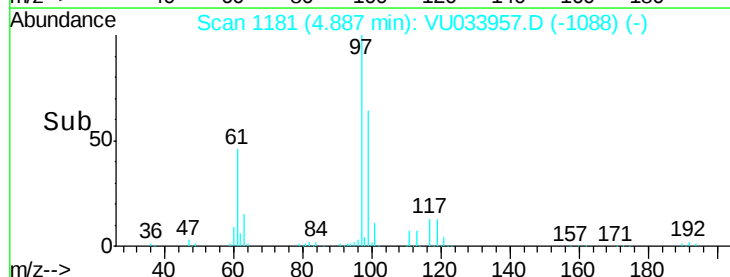


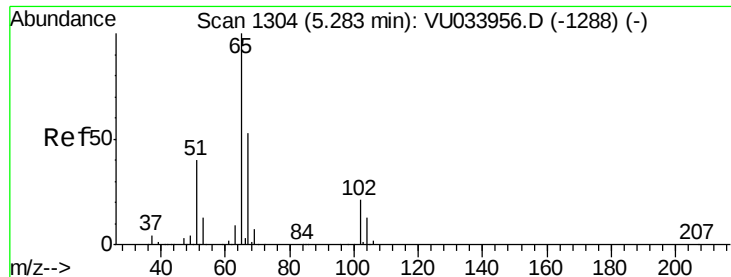
Abundance Ion 96.90 (96.60 to 97.60): VU033956.D (-1161) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1161) (-)

Ion 60.90 (60.60 to 61.60): VU033956.D (-1161) (-)

Time-->





#33

1,2-Dichloroethane-d4

Concen: 95.152 ug/l

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 614039

Ion Ratio Lower Upper

65 100

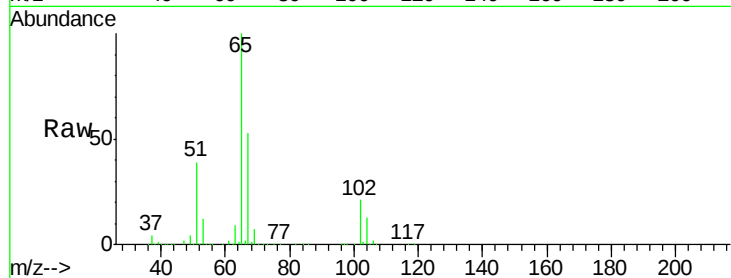
67 53.5 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU033957.D (-1211) (-)

Ion 66.90 (66.60 to 67.60): VU033957.D (-1211) (-)

5.28

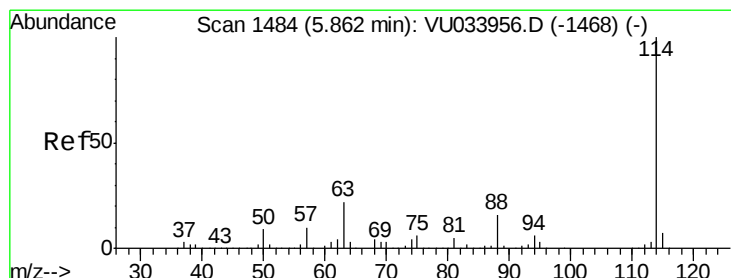
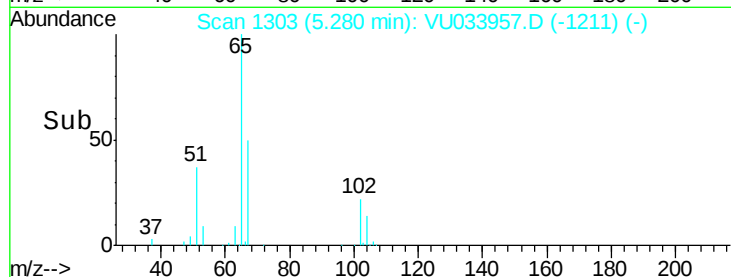
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

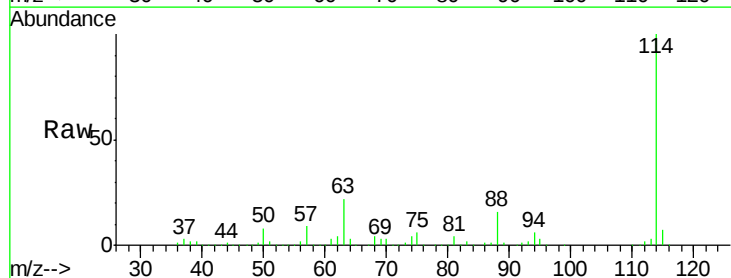
Tgt Ion: 114 Resp: 706569

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

88 16.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU033957.D (-1391) (-)

Ion 63.00 (62.70 to 63.70): VU033957.D (-1391) (-)

Ion 87.90 (87.60 to 88.60): VU033957.D (-1391) (-)

5.86

500000

400000

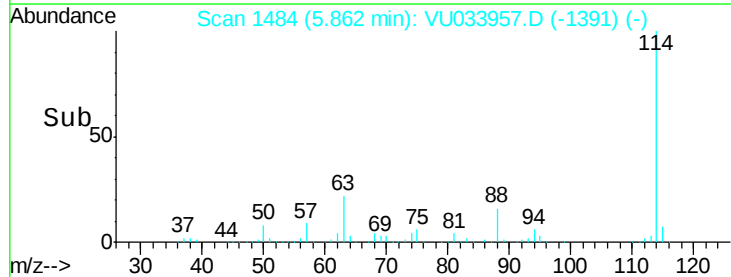
300000

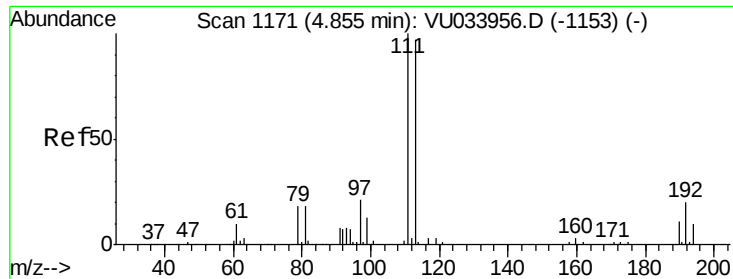
200000

100000

0

Time-->





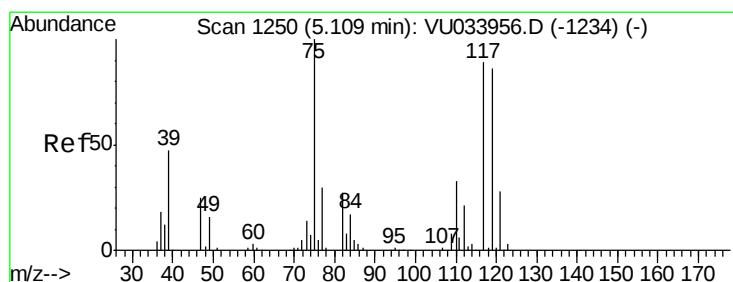
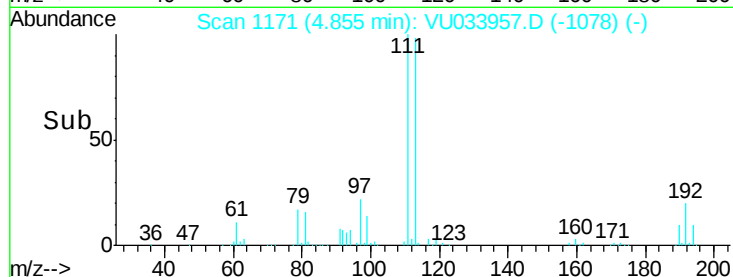
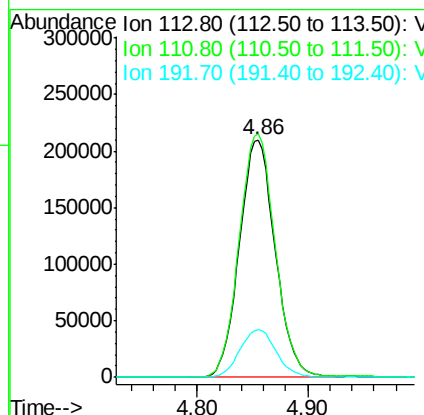
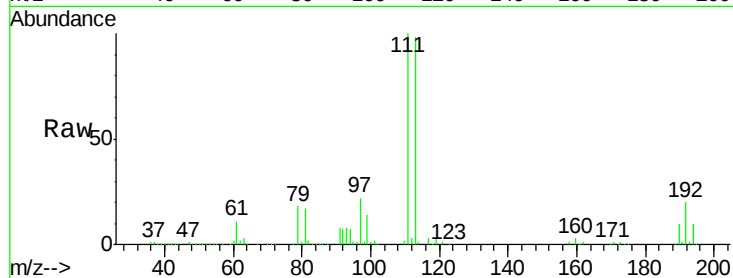
#35
Dibromofluoromethane
Concen: 105.922 ug/l
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.0	123.0	
192	20.5	16.2	24.4	

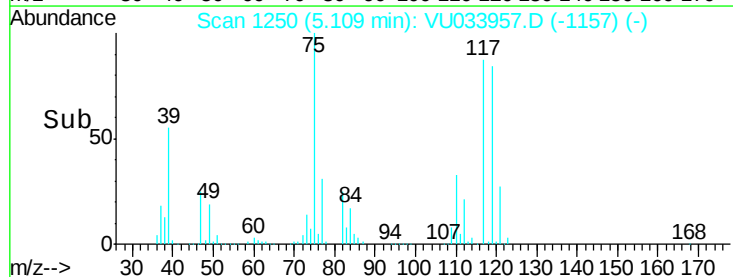
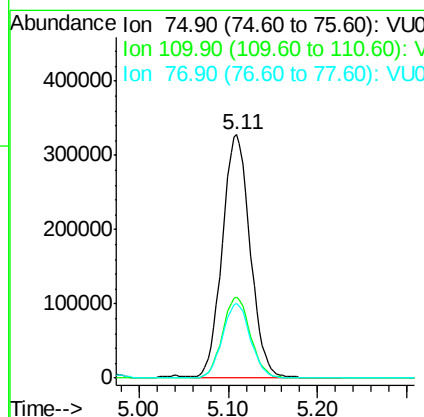
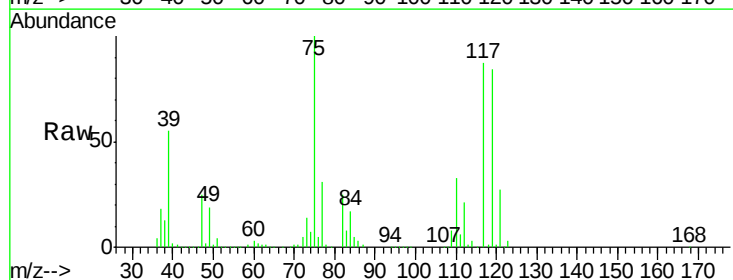
Manual Integrations
APPROVED

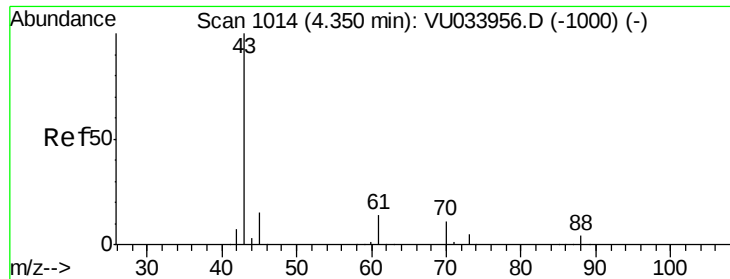
MMDadoda
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#36
1,1-Dichloropropene
Concen: 92.482 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	16.8	50.4	
77	30.8	24.7	37.1	





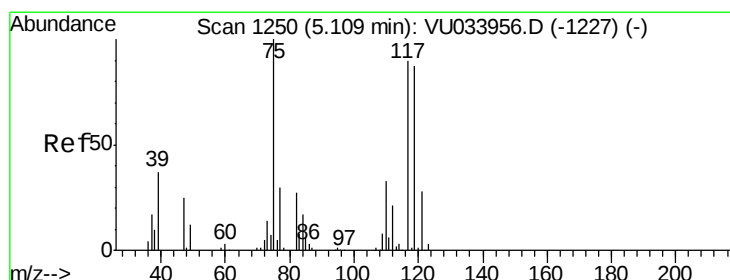
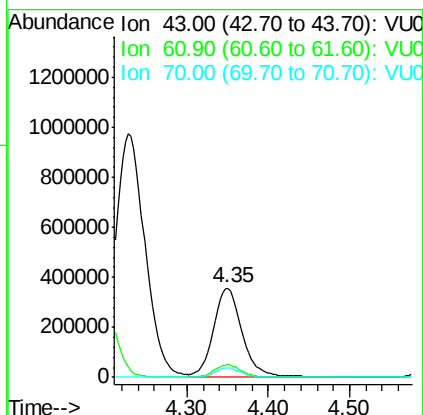
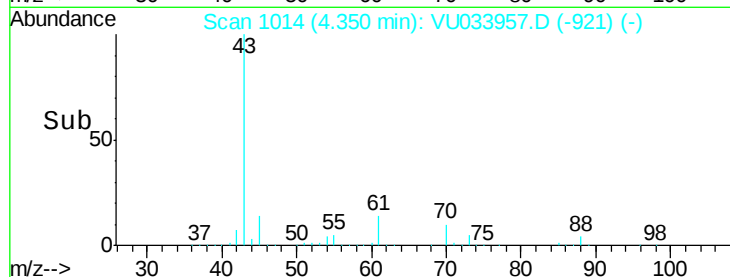
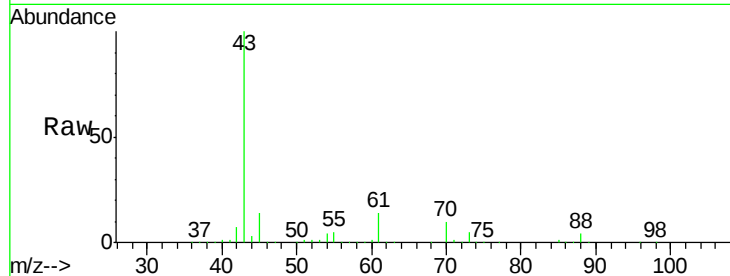
#37
Ethyl Acetate
Concen: 89.422 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	9.9	8.2	12.4

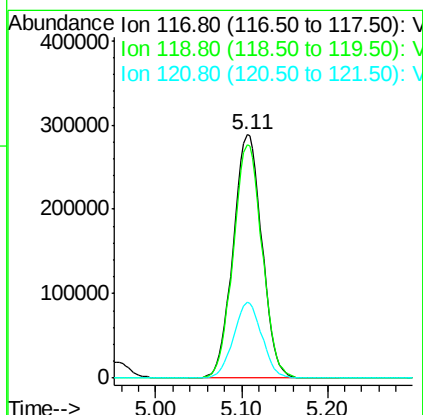
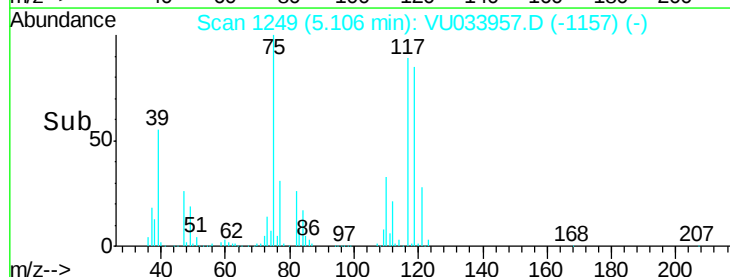
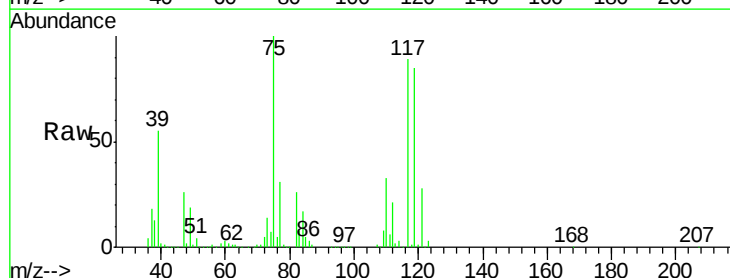
Manual Integrations
APPROVED

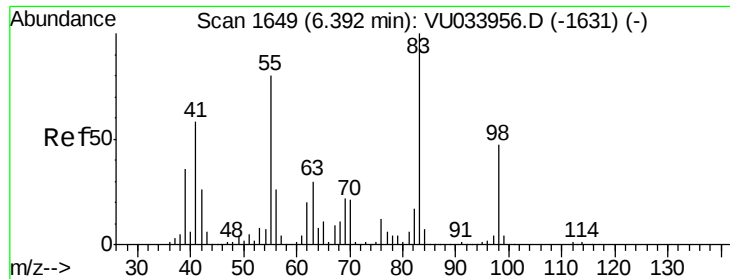
MMDadoda
8/27/2019 12:17:05 PM



#38
Carbon Tetrachloride
Concen: 105.094 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.9	24.9	37.3





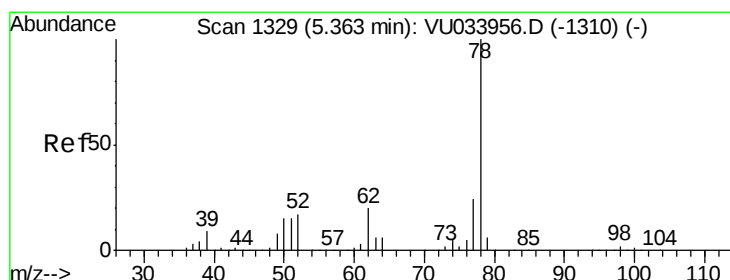
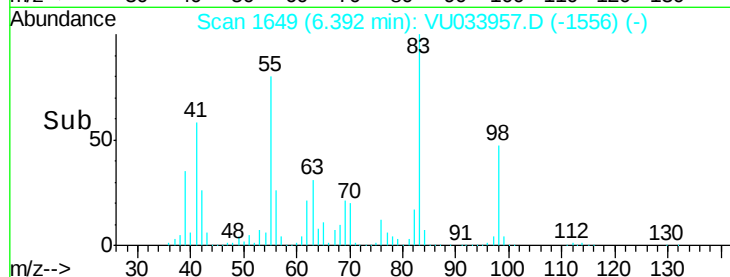
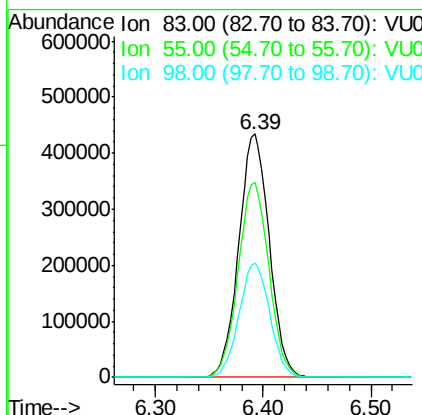
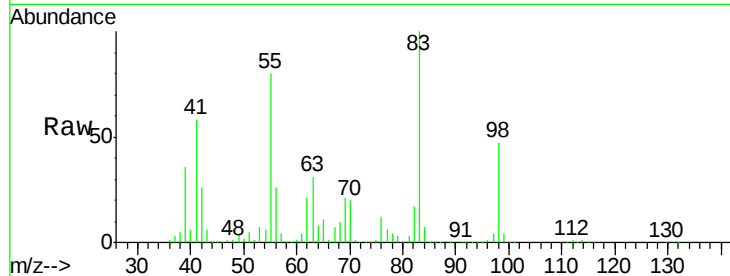
#39
Methvlcvclohexane
Concen: 91.866 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.8	95.8
98	47.1	37.7	56.5

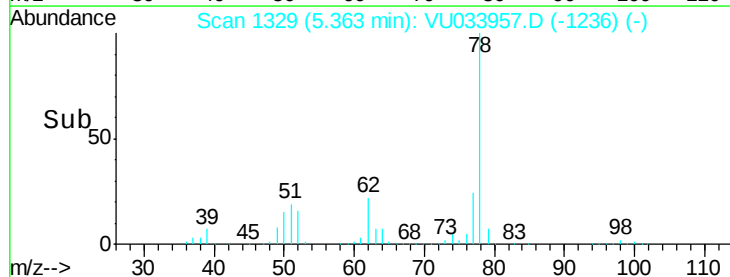
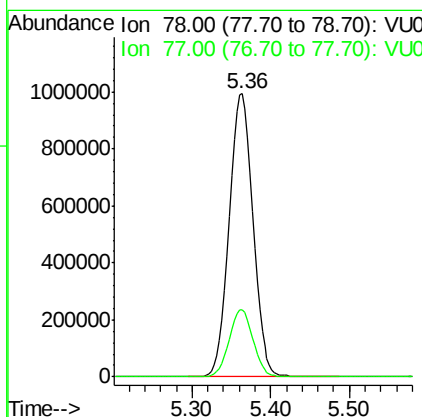
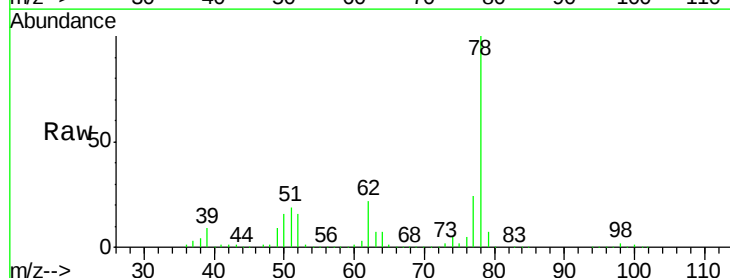
Manual Integrations
APPROVED

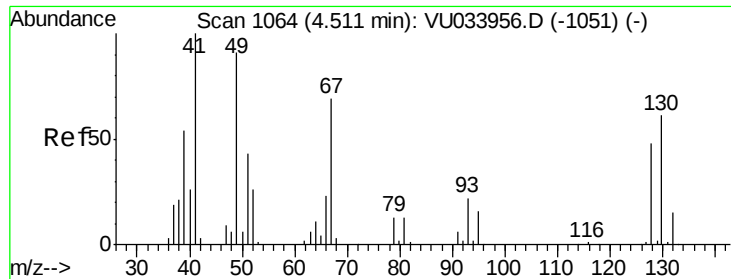
MMDadoda
8/27/2019 12:17:05 PM



#40
Benzene
Concen: 92.249 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 89.073 ug/l

RT: 4.51 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 473652

Ion Ratio Lower Upper

41 100

39 53.1 43.3 64.9

67 71.0 57.5 86.3

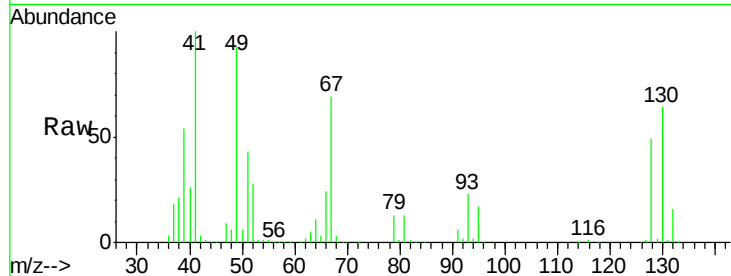
52 28.3 22.6 34.0

Manual Integrations

APPROVED

MMDadoda

8/27/2019 12:17:05 PM

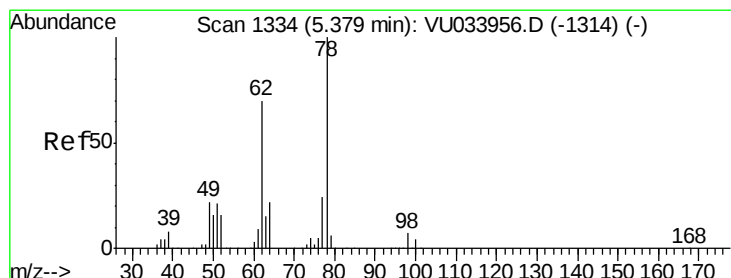
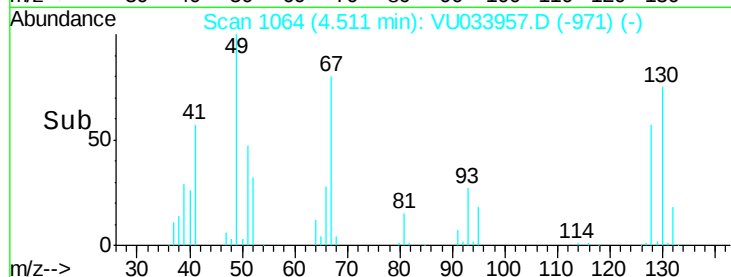
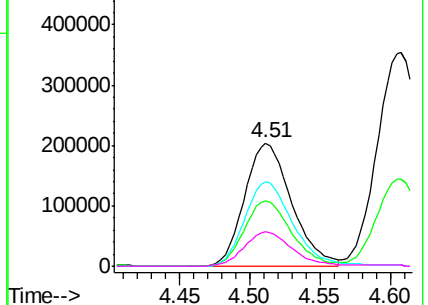


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 93.922 ug/l

RT: 5.38 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VU033957.D

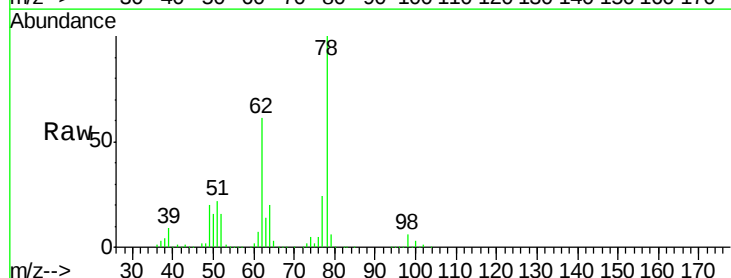
Acq: 26 Aug 2019 18:14

Tgt Ion: 62 Resp: 749139

Ion Ratio Lower Upper

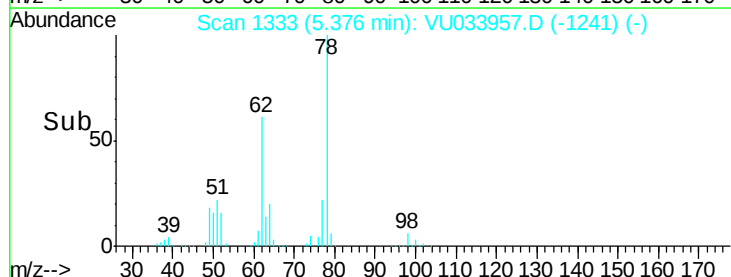
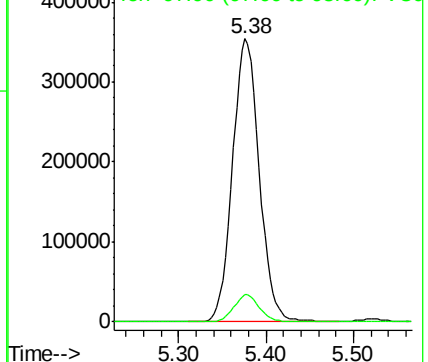
62 100

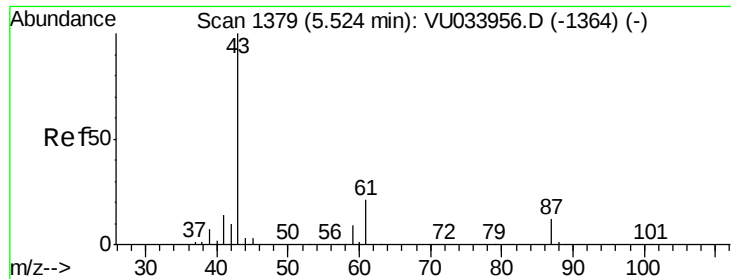
98 9.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 86.852 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1331384

Ion Ratio Lower Upper

43 100

61 20.3 16.1 24.1

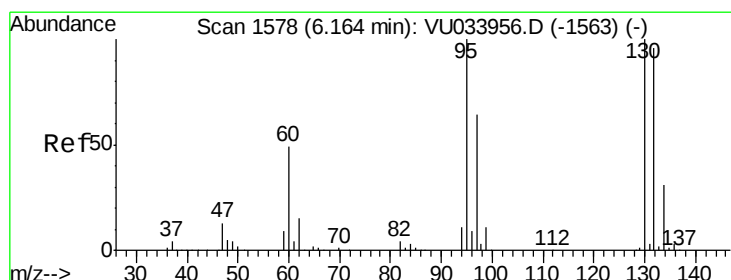
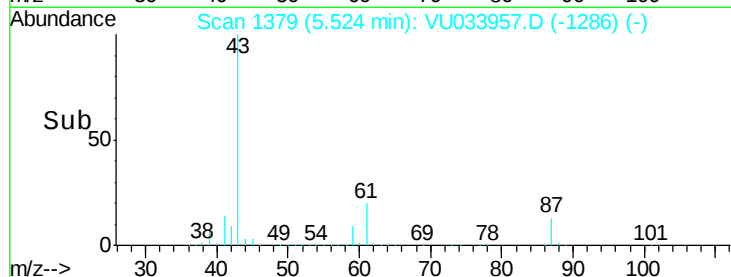
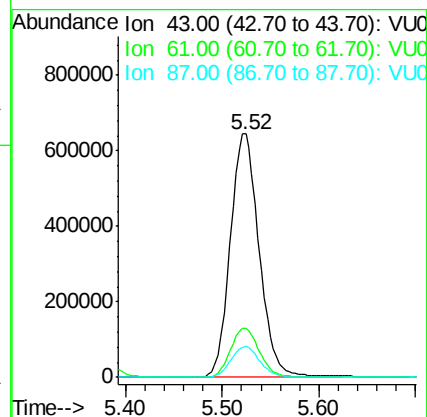
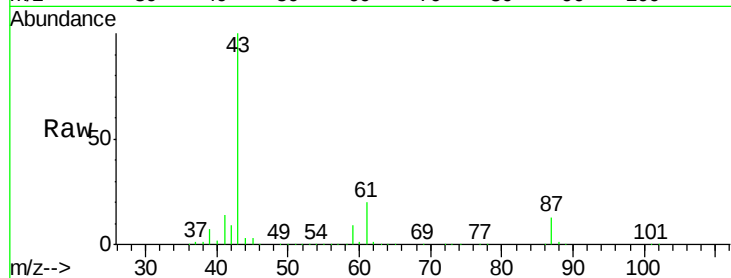
87 12.8 9.9 14.9

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#44

Trichloroethene

Concen: 101.780 ug/l

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU033957.D

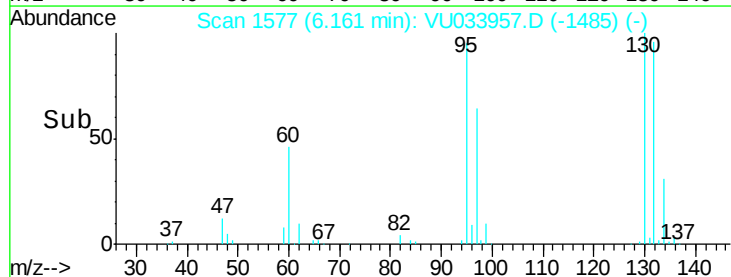
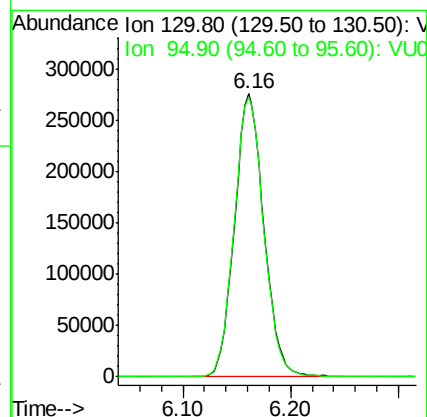
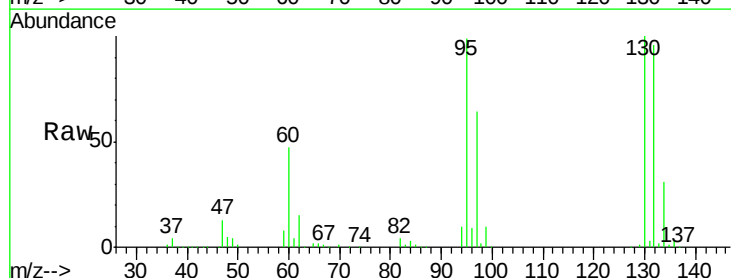
Acq: 26 Aug 2019 18:14

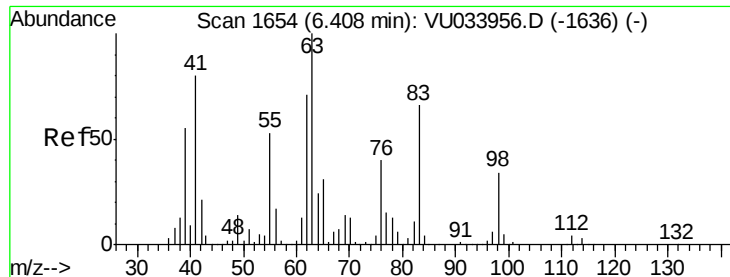
Tgt Ion:130 Resp: 523093

Ion Ratio Lower Upper

130 100

95 98.8 0.0 200.4





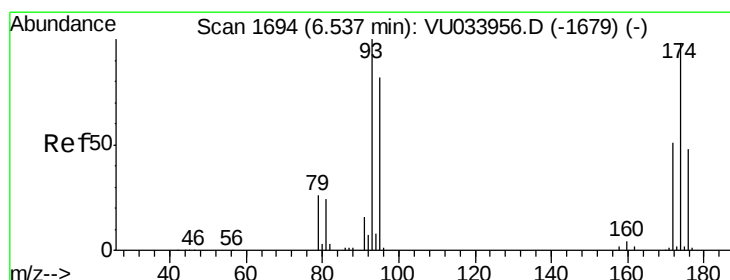
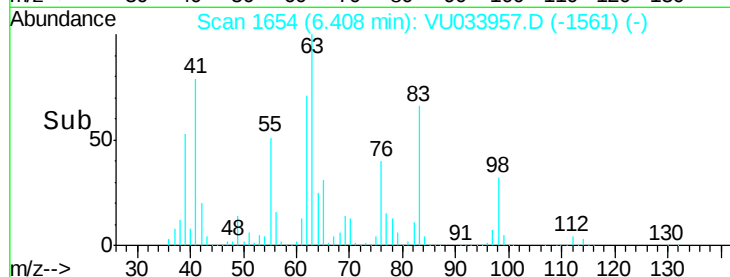
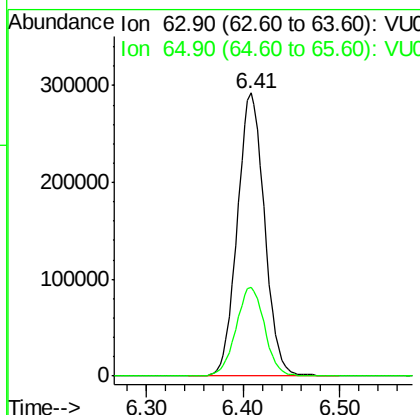
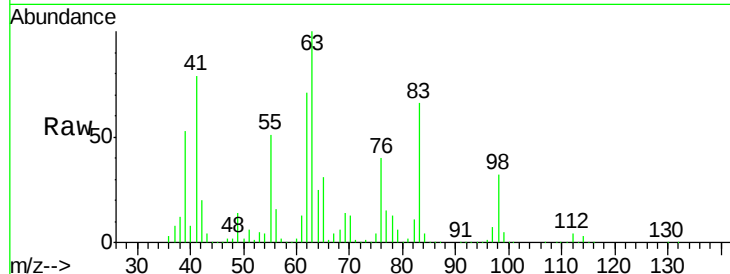
#45
 1,2-Dichloropropane
 Concen: 90.583 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 571165
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

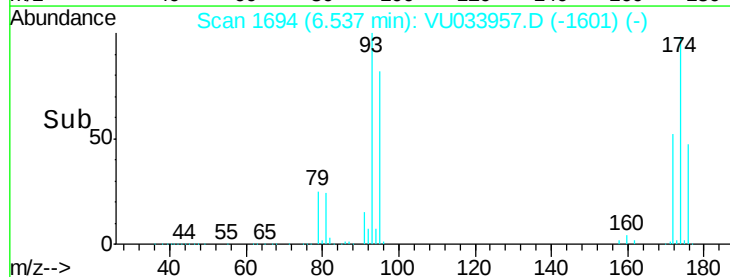
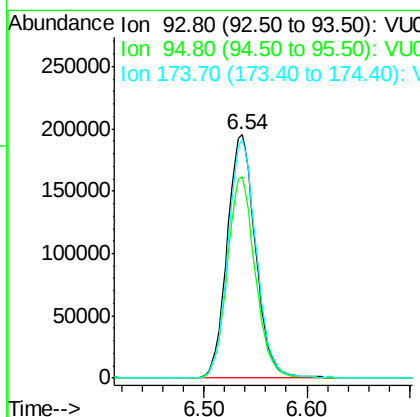
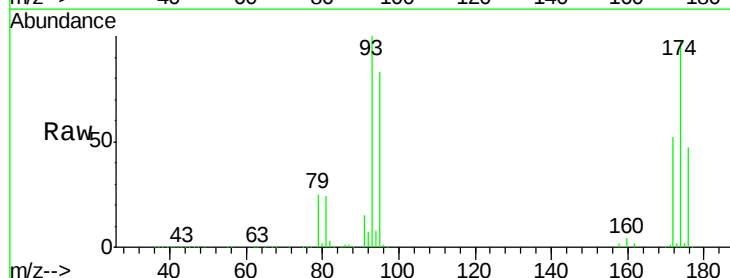
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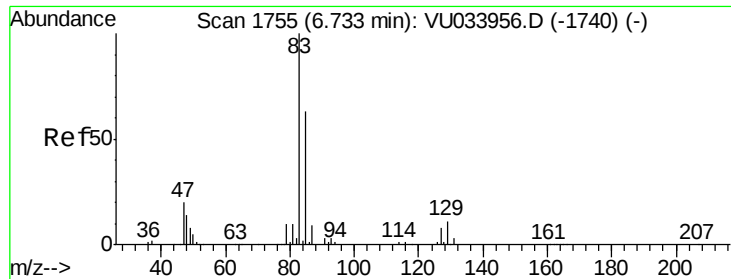
MMDadoda
 8/27/2019 12:17:05 PM



#46
 Dibromomethane
 Concen: 98.602 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 93 Resp: 374592
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.3 100.9
 174 97.1 79.7 119.5





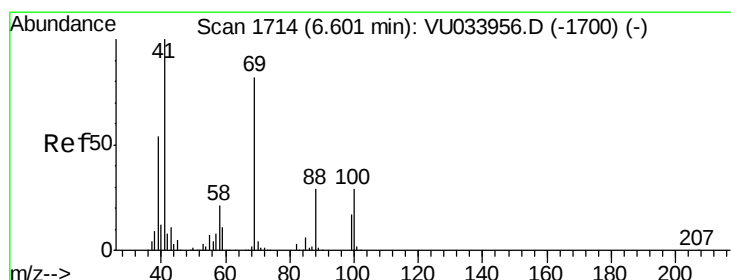
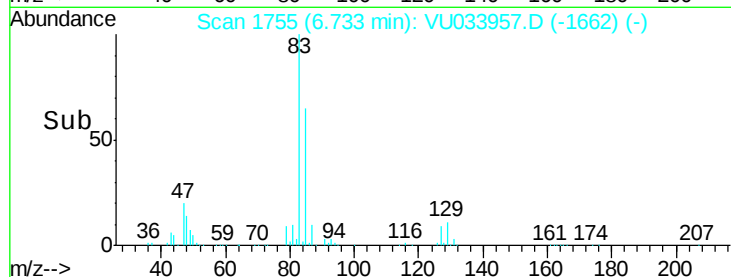
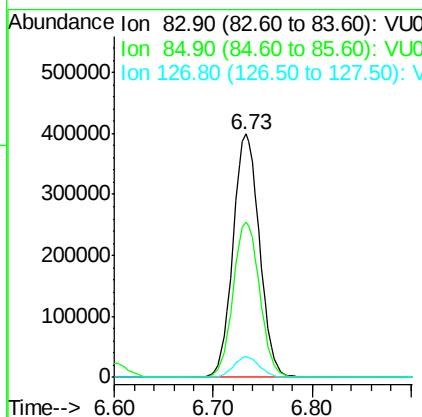
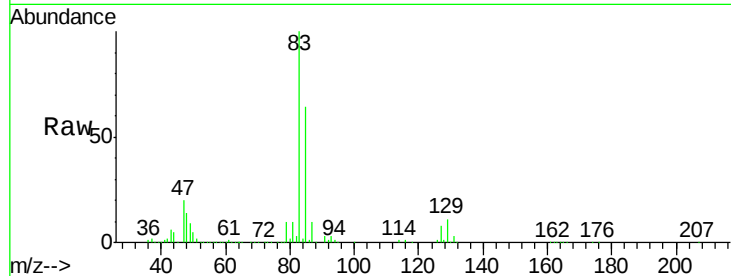
#47
Bromodichloromethane
Concen: 99.800 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.5	75.7
127	8.4	6.6	9.8

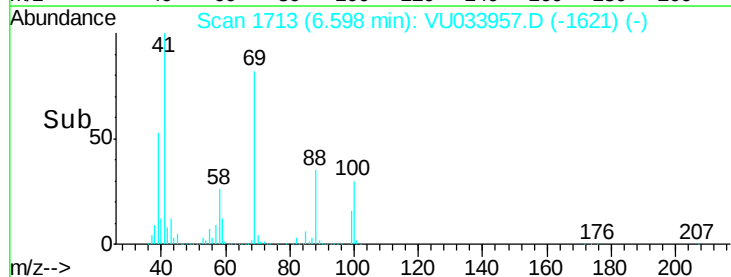
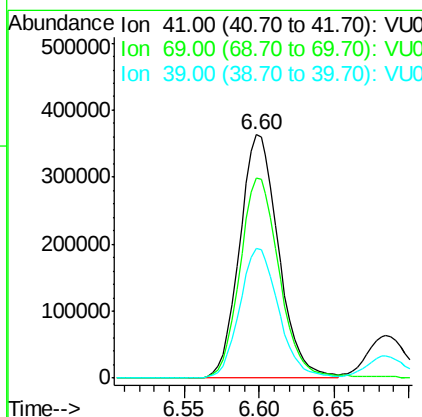
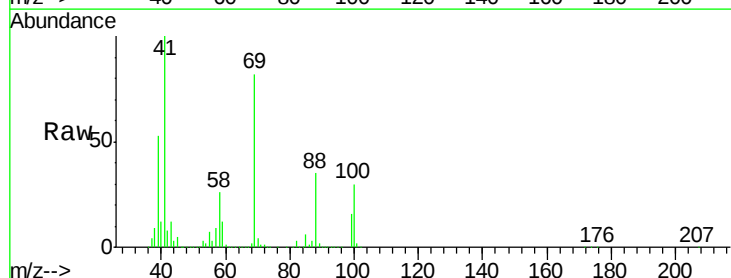
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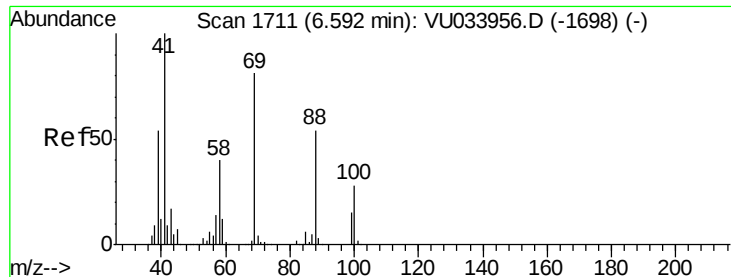
MMDadoda
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#48
Methyl methacrylate
Concen: 86.523 ug/l
RT: 6.60 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	66.9	100.3
39	53.3	43.3	64.9





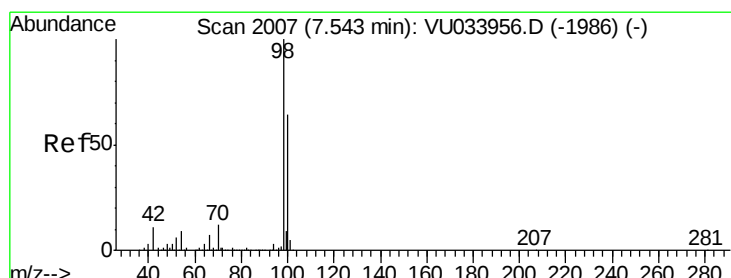
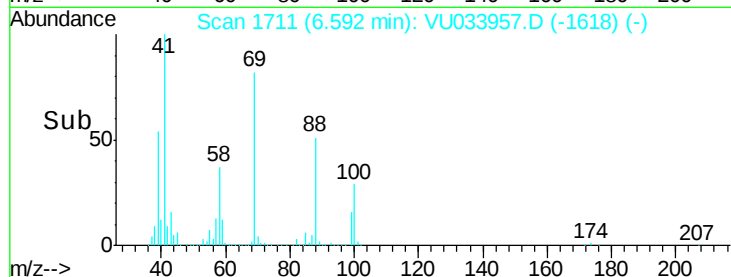
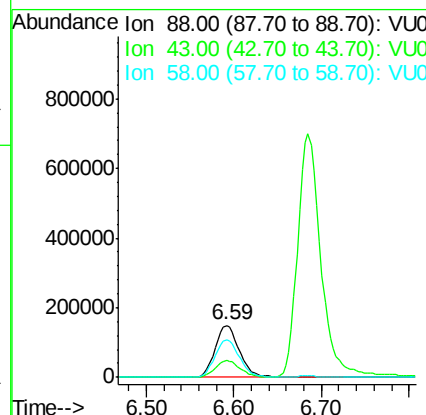
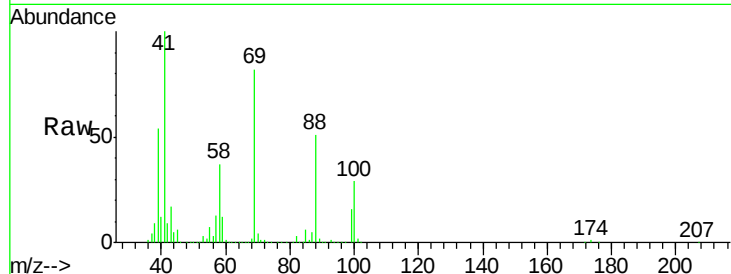
#49
1,4-Dioxane
Concen: 2237.579 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.2	40.8
58	74.2	59.3	88.9

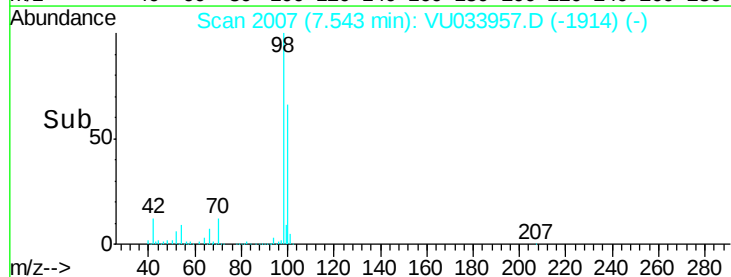
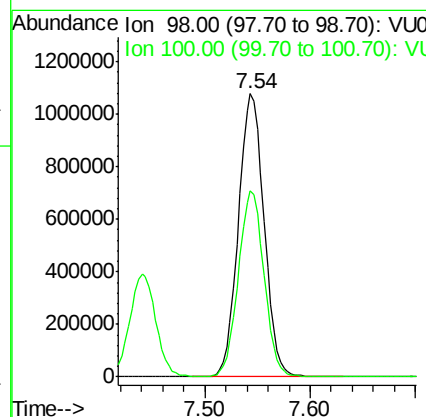
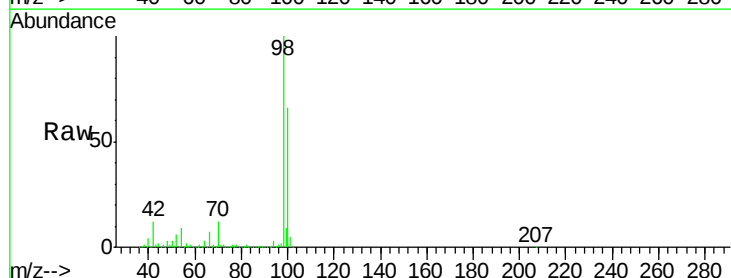
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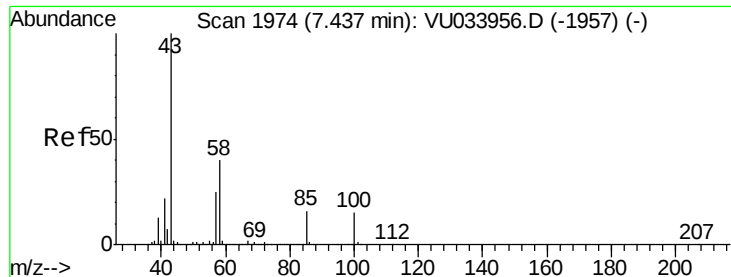
MMDadoda
8/27/2019 12:17:05 PM



#50
Toluene-d8
Concen: 103.603 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 465.698 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4563480

Ion Ratio Lower Upper

43 100

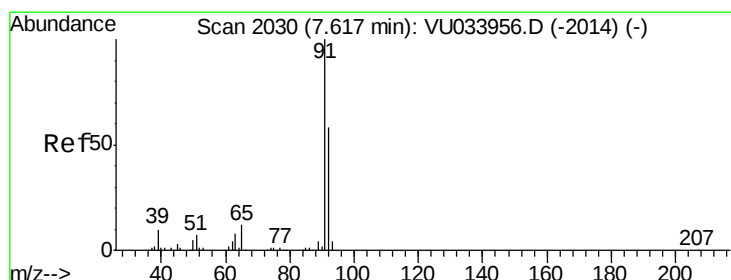
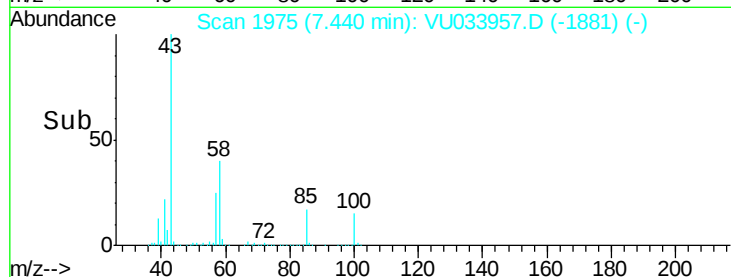
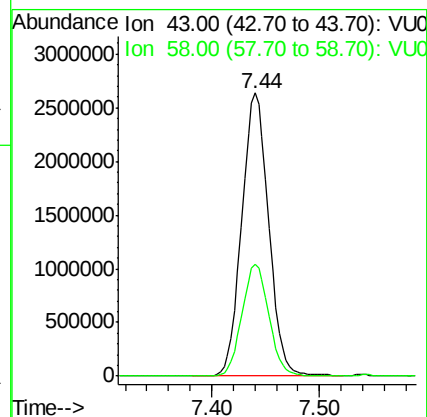
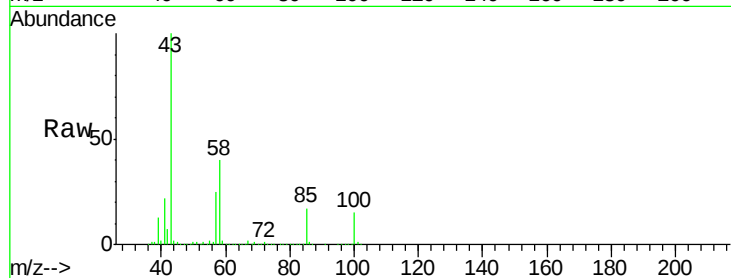
58 39.7 31.6 47.4

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#52

Toluene

Concen: 95.019 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033957.D

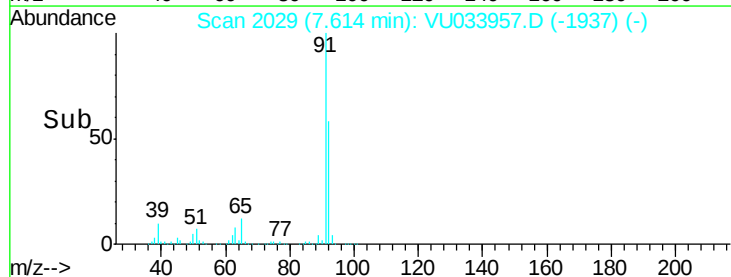
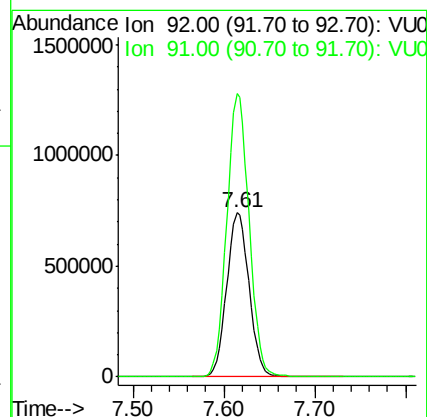
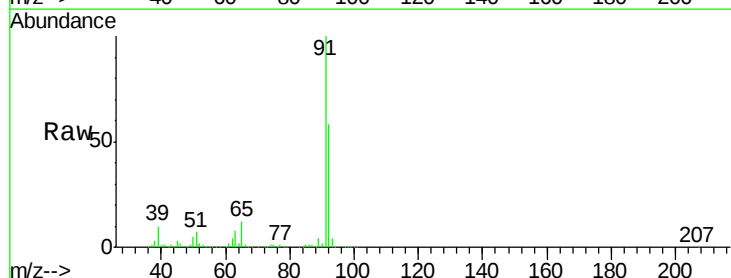
Acq: 26 Aug 2019 18:14

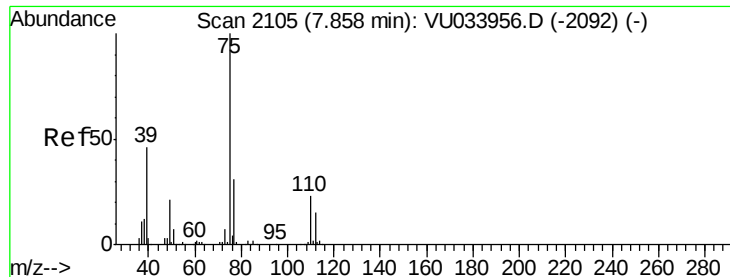
Tgt Ion: 92 Resp: 1268617

Ion Ratio Lower Upper

92 100

91 171.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 99.944 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 875284

Ion Ratio Lower Upper

75 100

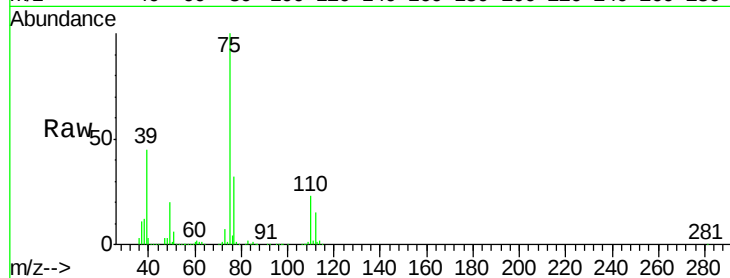
77 31.7 24.9 37.3

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

600000

500000

400000

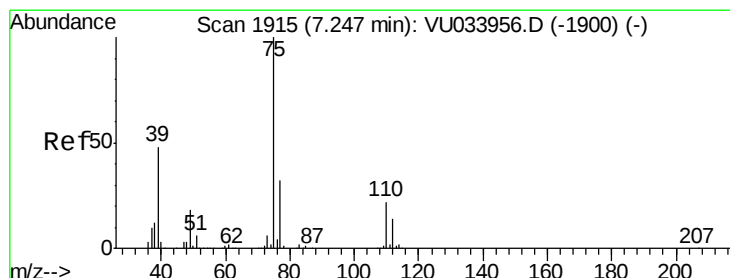
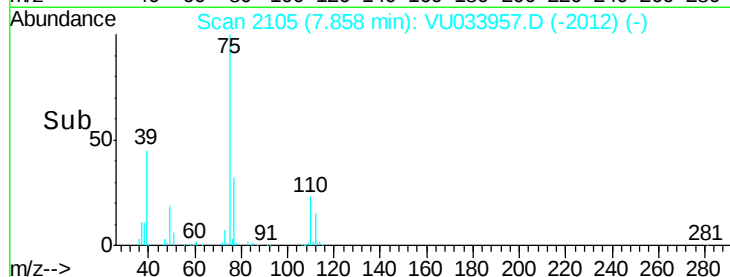
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 97.810 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

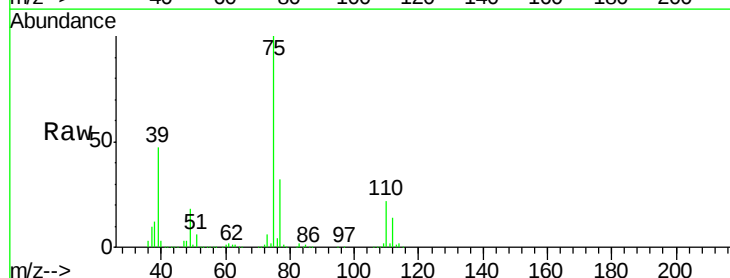
Tgt Ion: 75 Resp: 930474

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 47.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.25

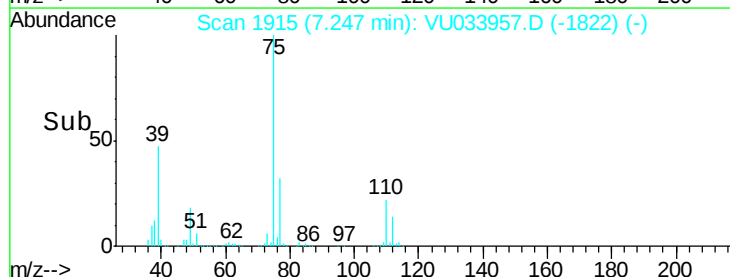
600000

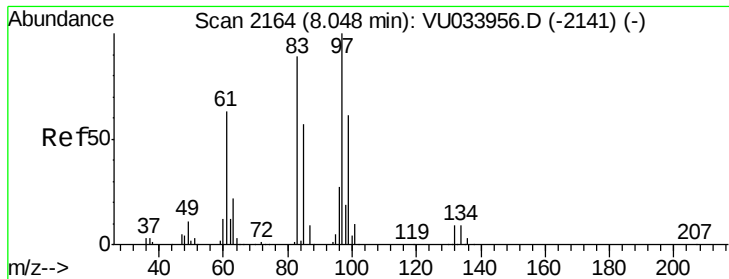
400000

200000

0

Time-->





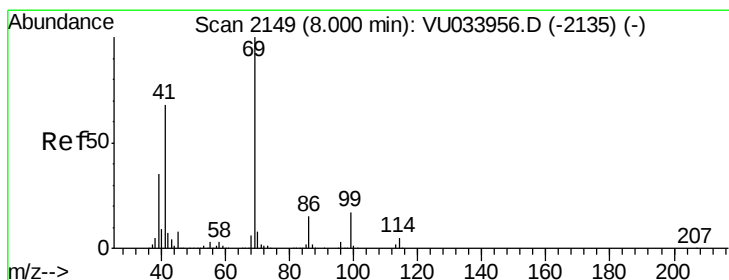
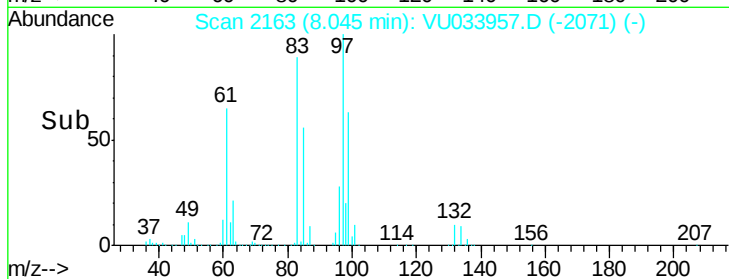
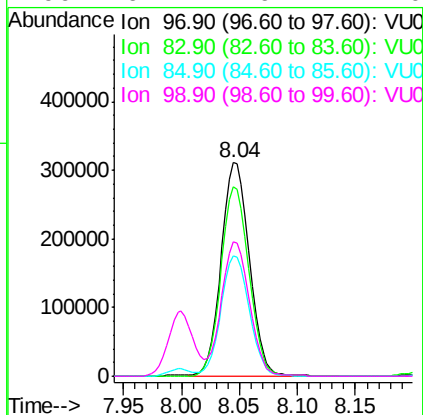
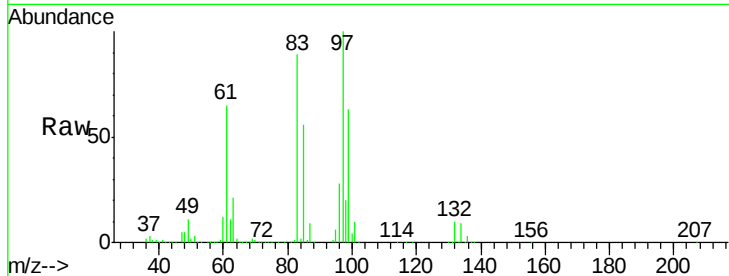
#55
 1,1,2-Trichloroethane
 Concen: 98.183 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	521364
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.0	106.4
85	56.5	45.5	68.3
99	62.7	49.4	74.0

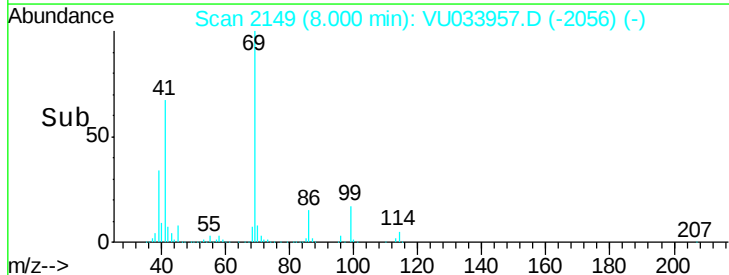
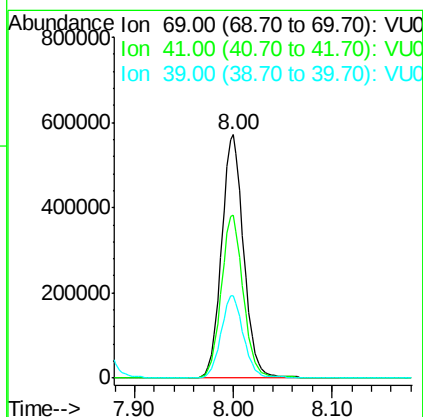
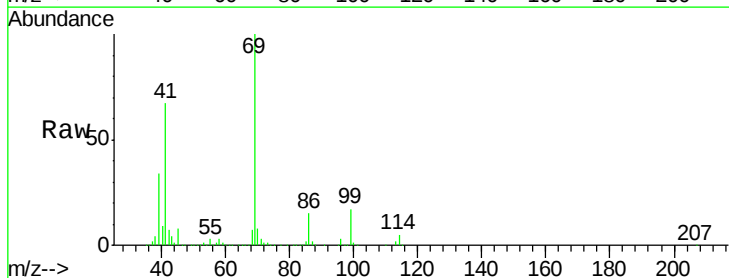
Manual Integrations
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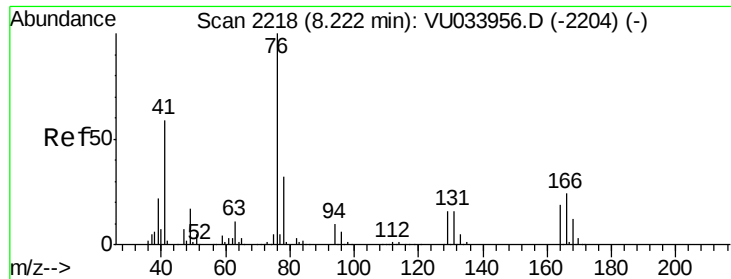
MMDadoda
 8/27/2019 12:17:05 PM



#56
 Ethyl methacrylate
 Concen: 101.005 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:	69	Resp:	900228
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	34.1	28.1	42.1





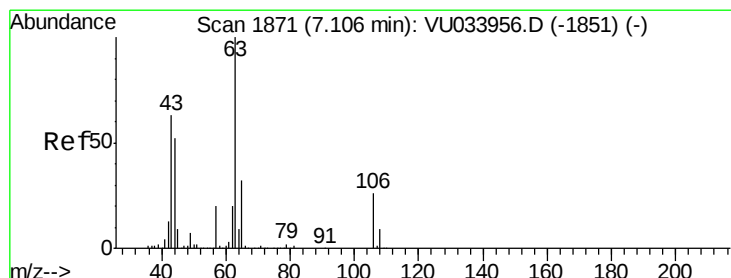
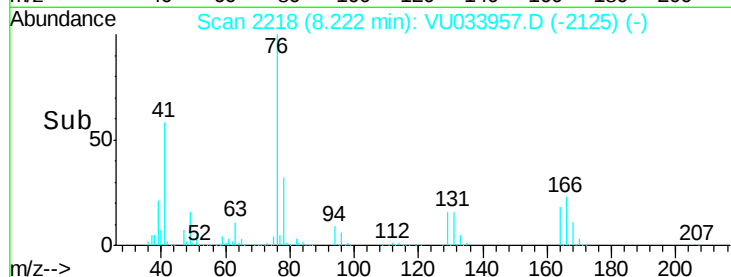
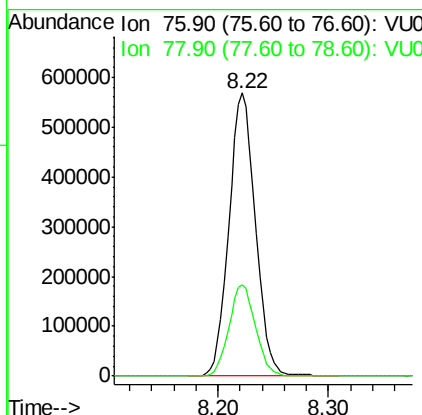
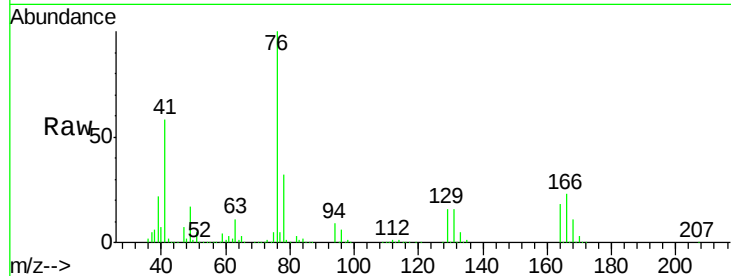
#57
 1,3-Dichloropropane
 Concen: 96.238 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 946669
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.2

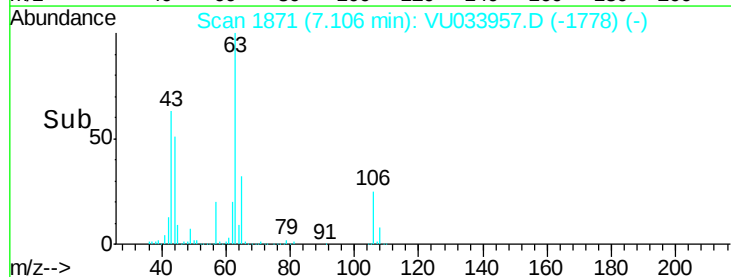
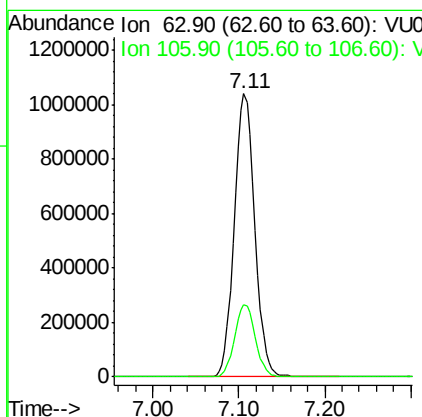
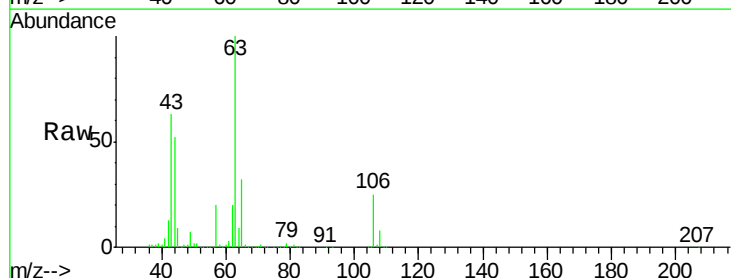
Manual Integrations
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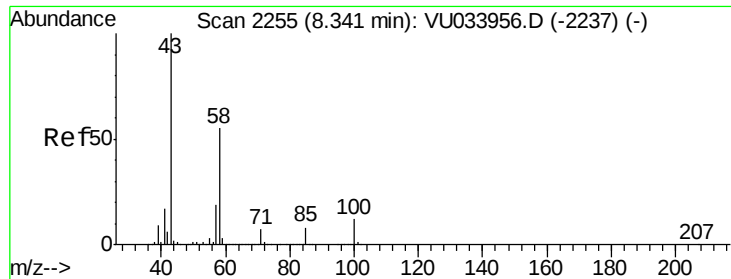
MMDadoda
 8/27/2019 12:17:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 392.323 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 63 Resp: 1718987
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.8 31.2





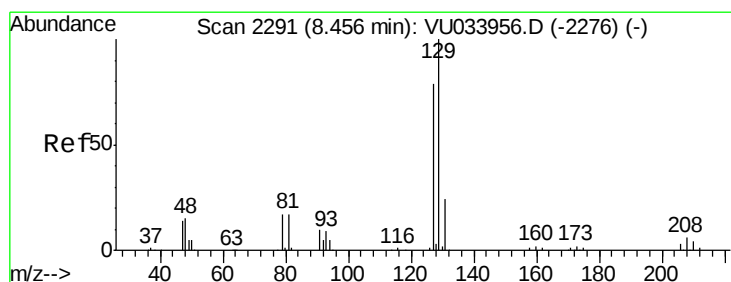
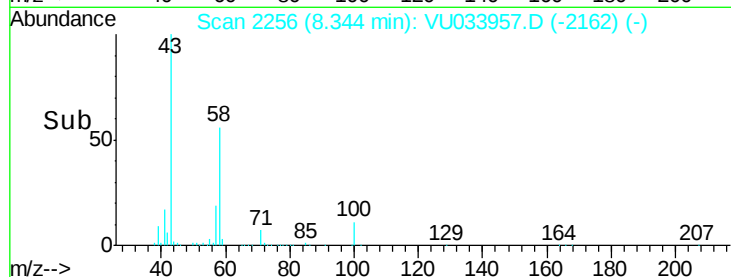
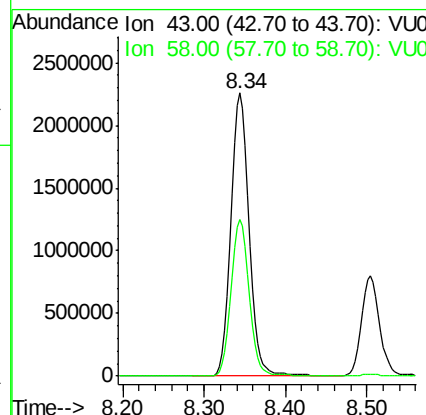
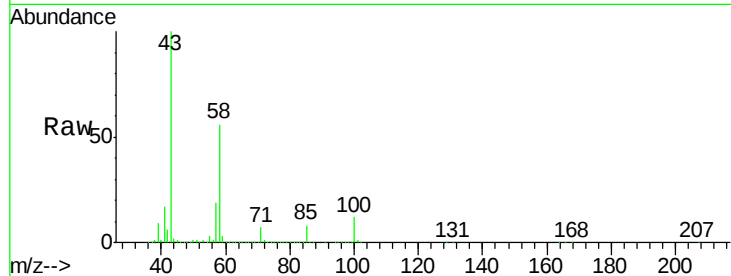
#59
2-Hexanone
Concen: 463.256 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3590479
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.9

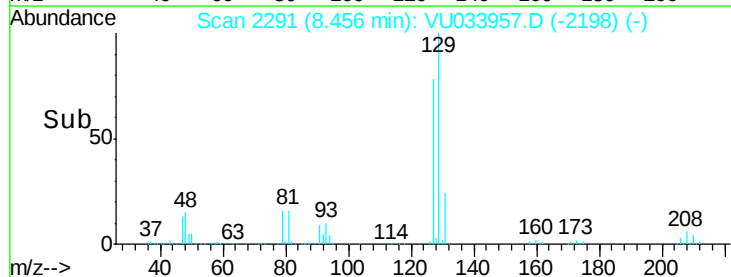
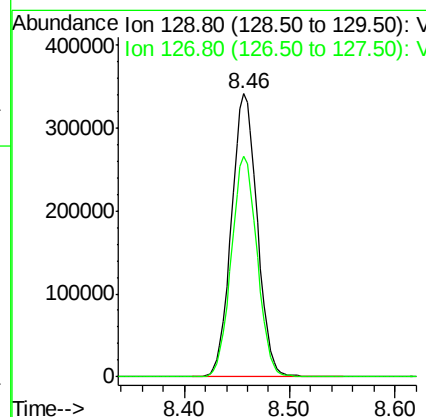
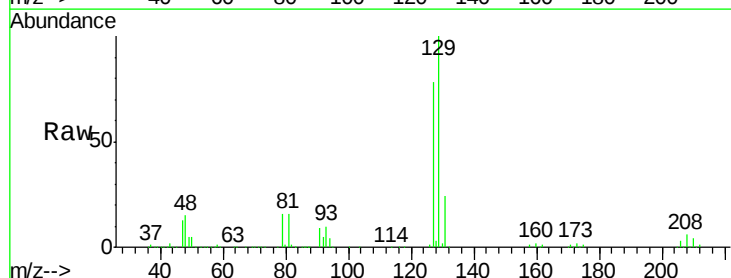
Manual Integrations
APPROVED

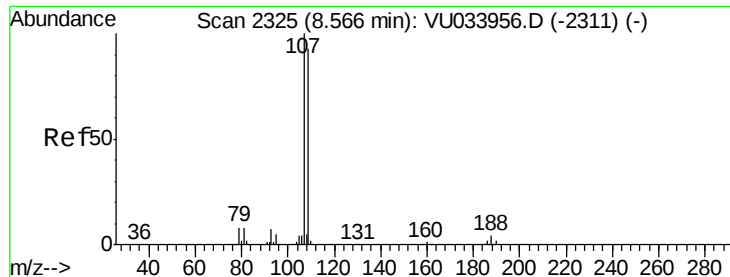
MMDadoda
8/27/2019 12:17:05 PM



#60
Dibromochloromethane
Concen: 108.799 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 129 Resp: 576333
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 102.569 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 573102

Ion Ratio Lower Upper

107 100

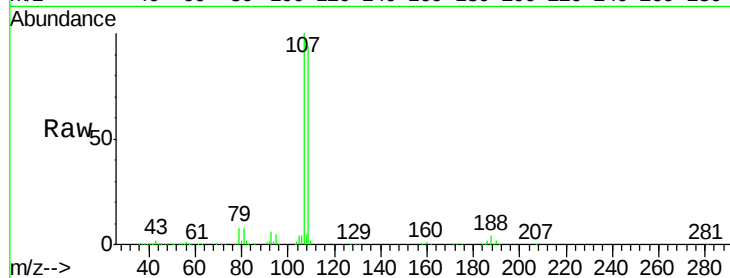
109 94.0 74.7 112.1

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

400000

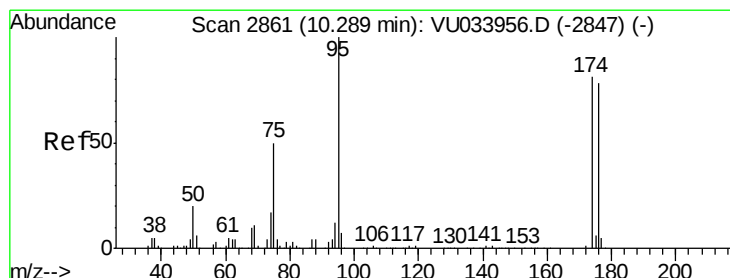
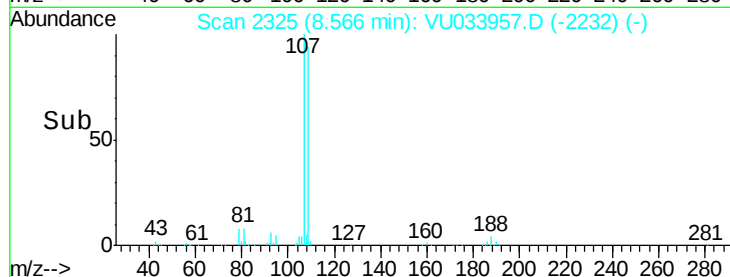
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 107.852 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

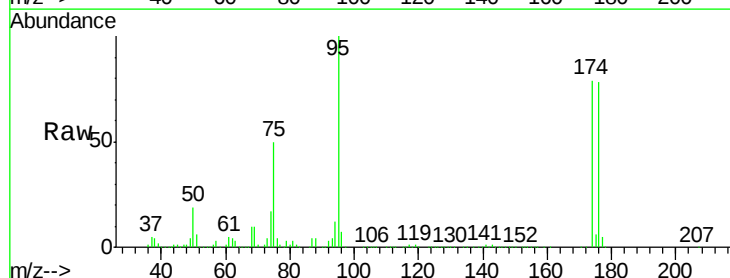
Tgt Ion: 95 Resp: 707327

Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.4

176 77.6 0.0 154.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

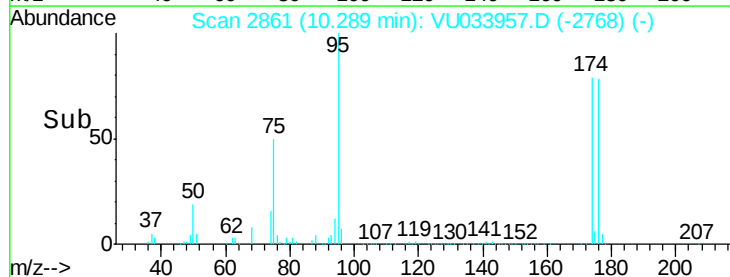
300000

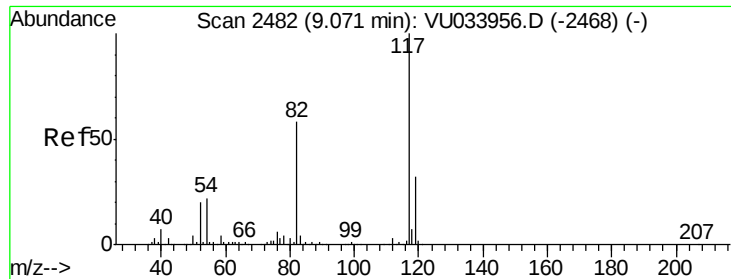
200000

100000

0

Time-->





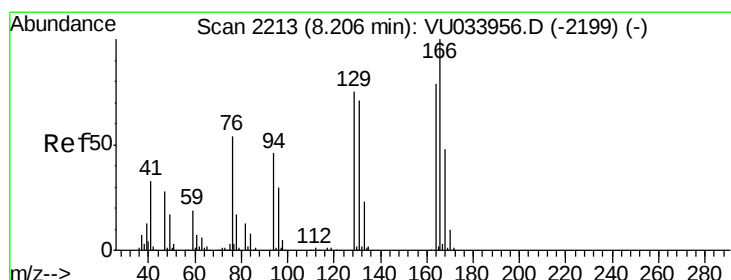
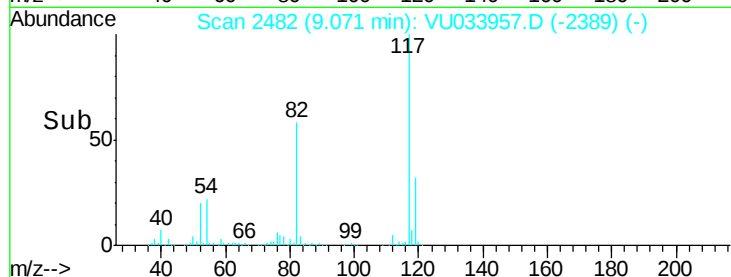
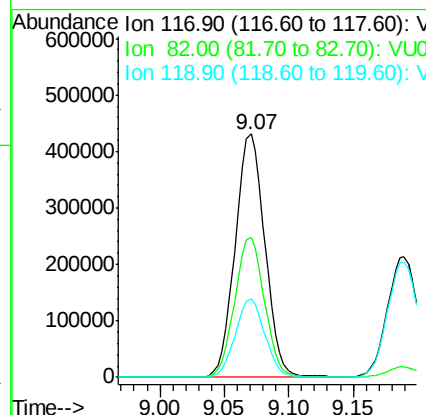
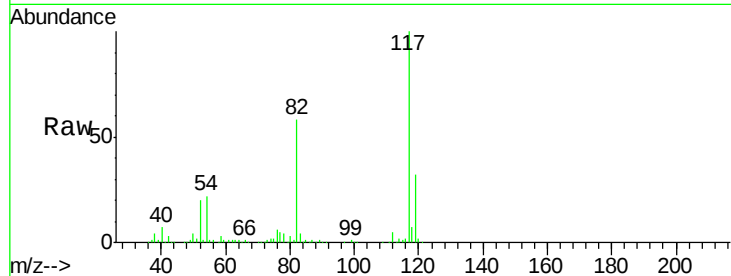
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	690479		
82	57.5	46.4	69.6	
119	32.2	25.3	37.9	

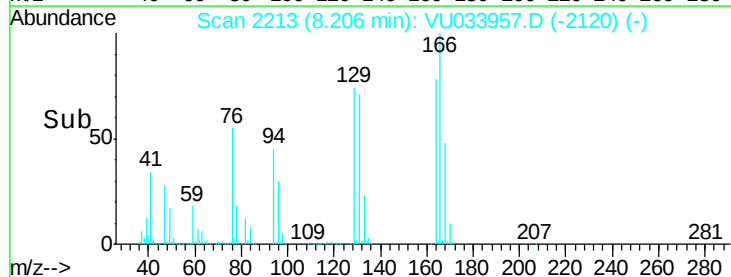
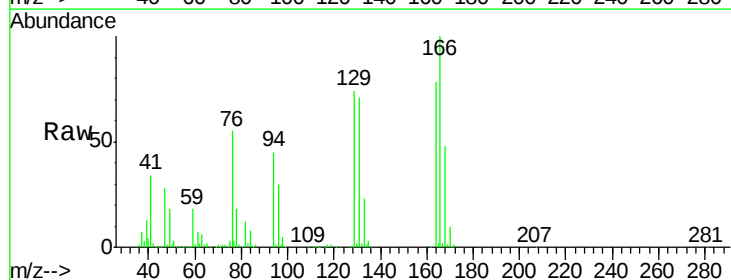
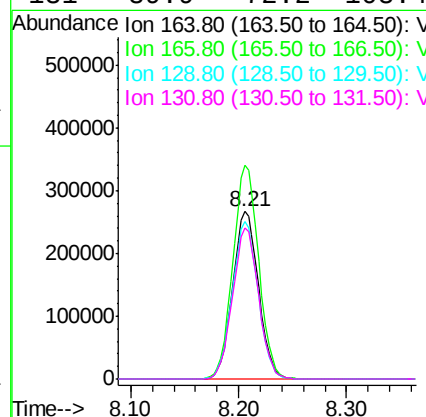
Manual Integrations
APPROVED

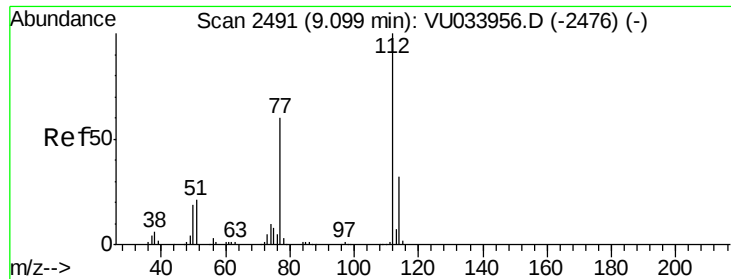
MMDadoda
8/27/2019 12:17:05 PM



#64
Tetrachloroethene
Concen: 95.963 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	445354		
166	127.5	101.4	152.2	
129	94.1	76.6	114.8	
131	89.9	72.2	108.4	





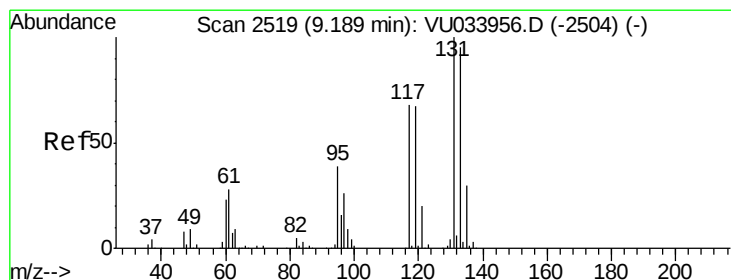
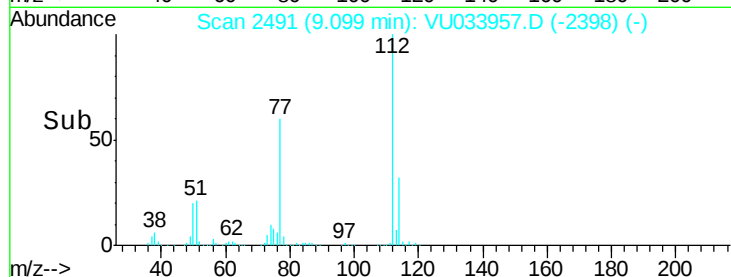
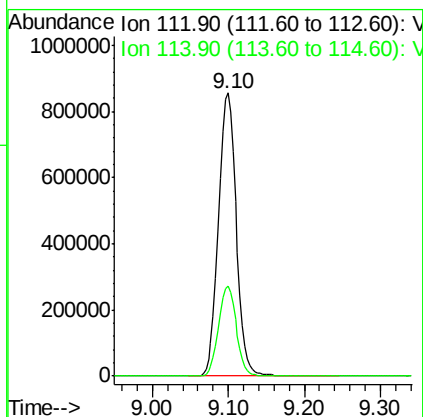
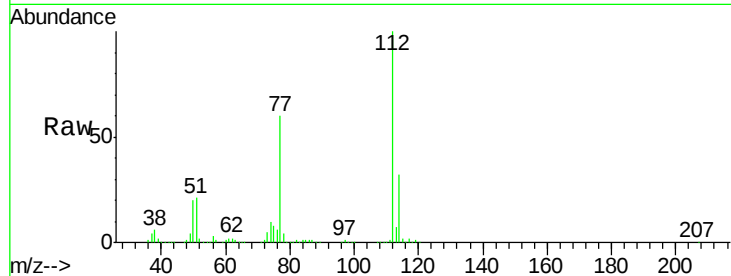
#65
Chlorobenzene
Concen: 95.026 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1388917
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

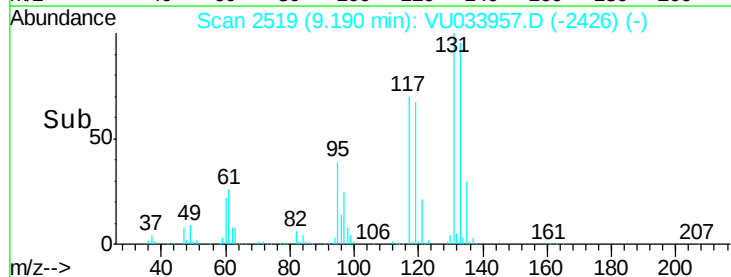
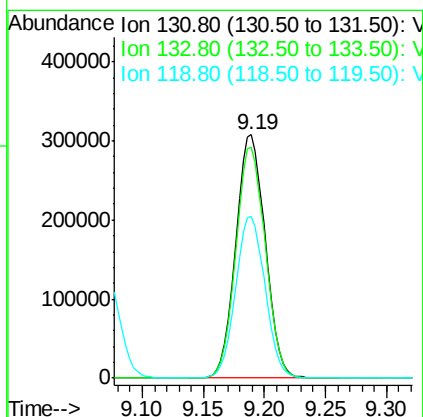
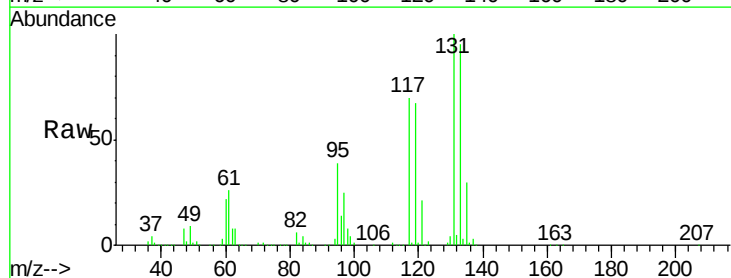
Manual Integrations
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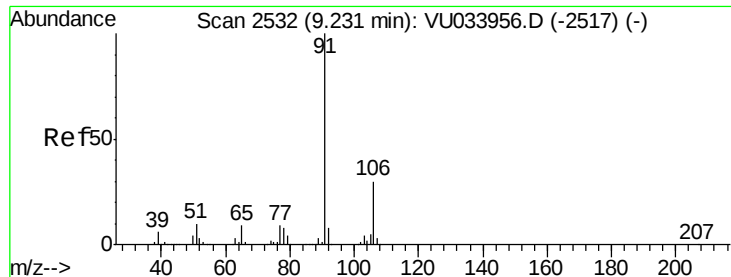
MMDadoda
8/27/2019 12:17:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 108.350 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion:131 Resp: 515130
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 66.6 33.3 99.8





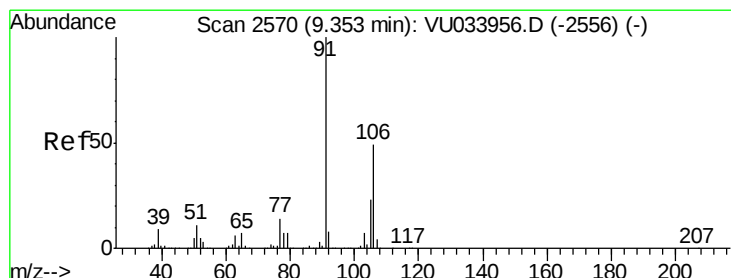
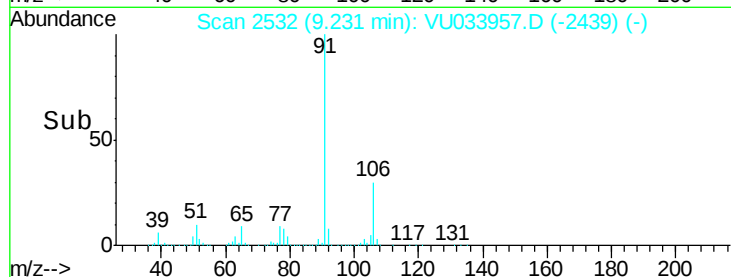
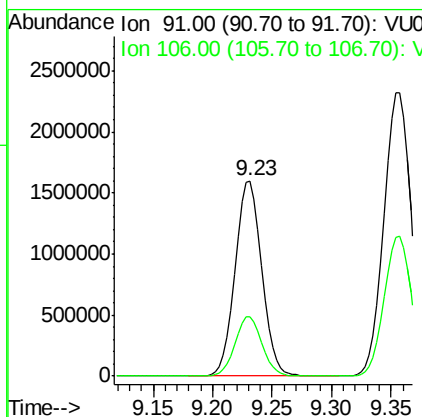
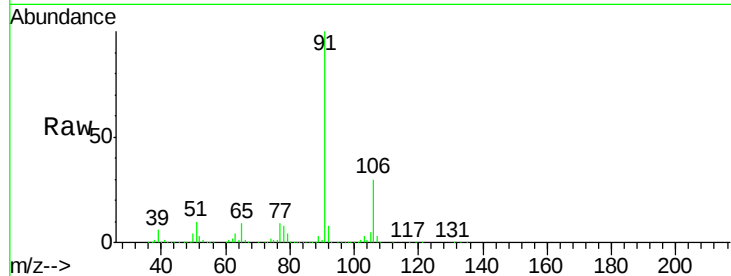
#67
Ethyl Benzene
Concen: 93.284 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 2489012
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

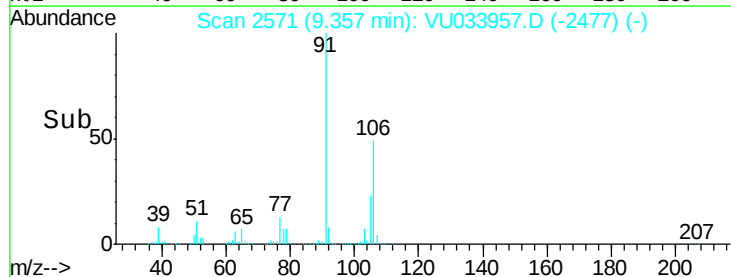
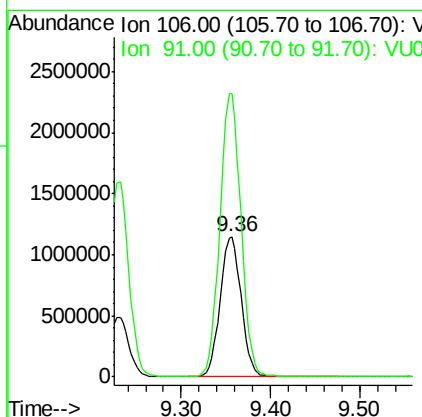
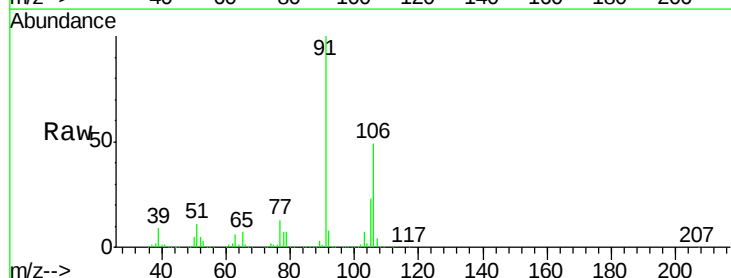
Manual Integrations
APPROVED

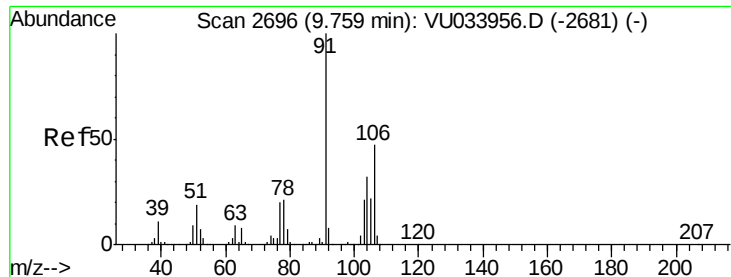
MMDadoda
8/27/2019 12:17:05 PM



#68
m/p-Xylenes
Concen: 192.837 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 106 Resp: 1876914
Ion Ratio Lower Upper
106 100
91 202.5 163.8 245.6





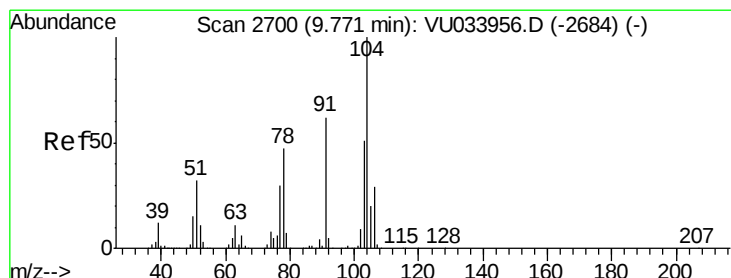
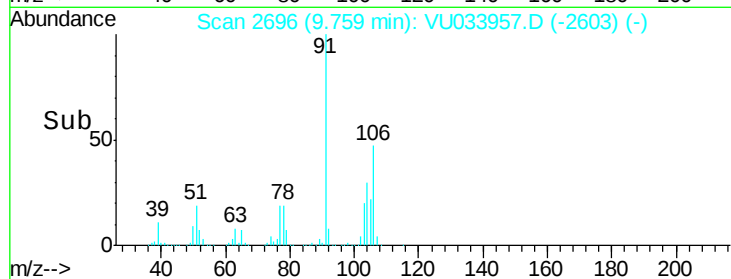
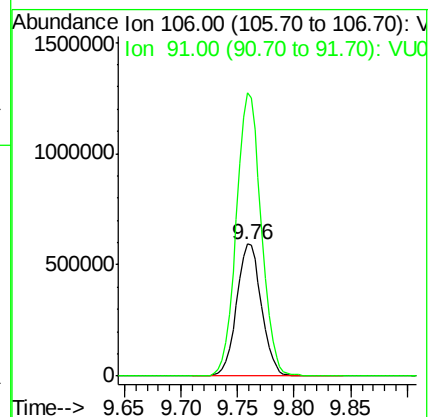
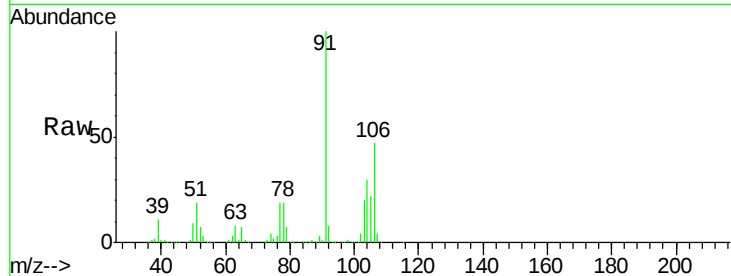
#69
o-Xylene
Concen: 96.319 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	908611		
91	214.4	106.9	320.7	

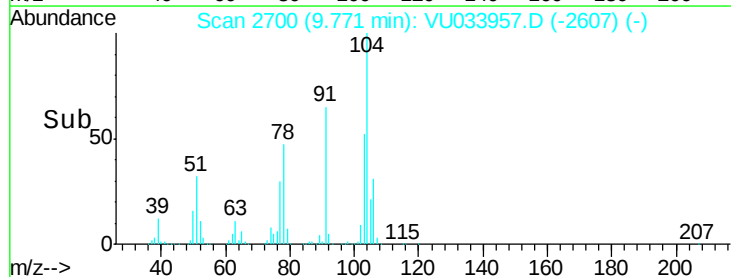
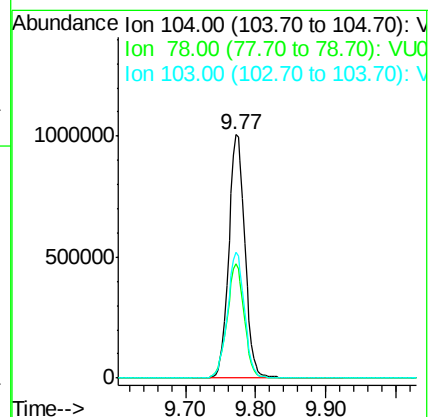
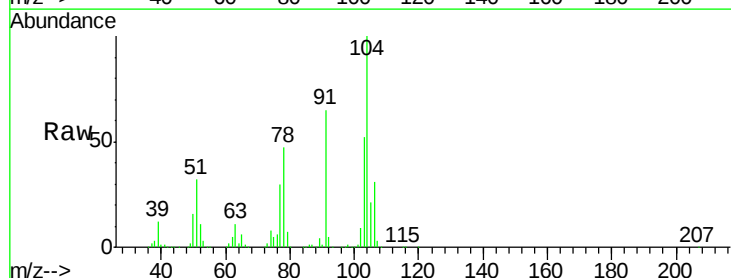
Manual Integrations
APPROVED

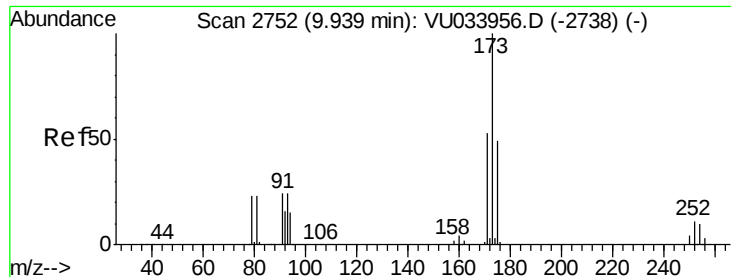
MMDadoda
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#70
Styrene
Concen: 102.238 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1615150		
78	49.7	40.4	60.6	
103	54.2	43.8	65.6	





#71

Bromoform

Concen: 114.059 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

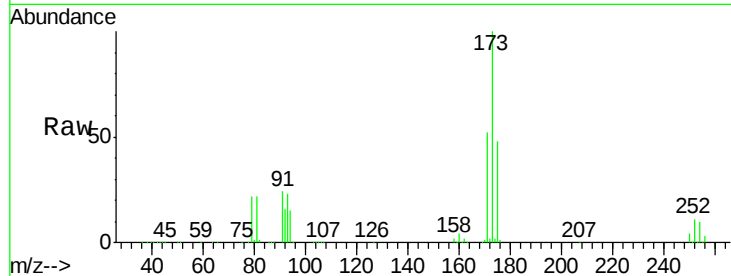
ClientSampleId :

VSTDIC100

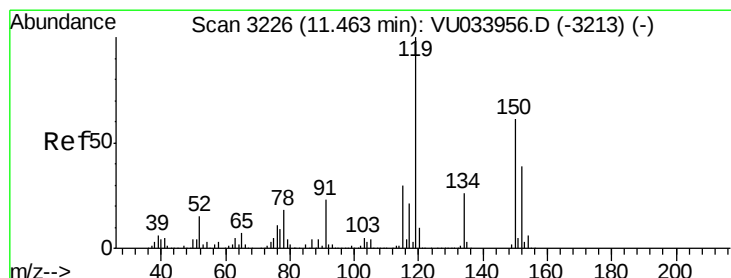
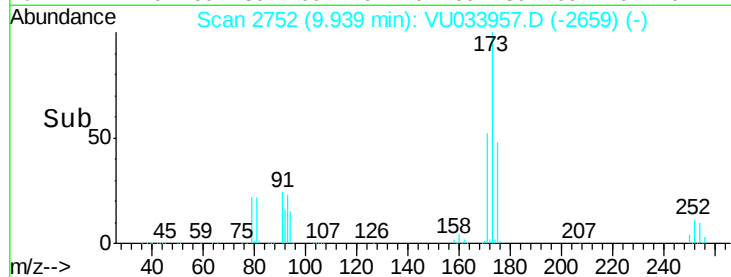
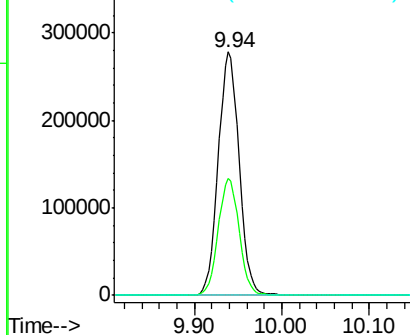
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.1	0.1	0.1

Manual Integrations
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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

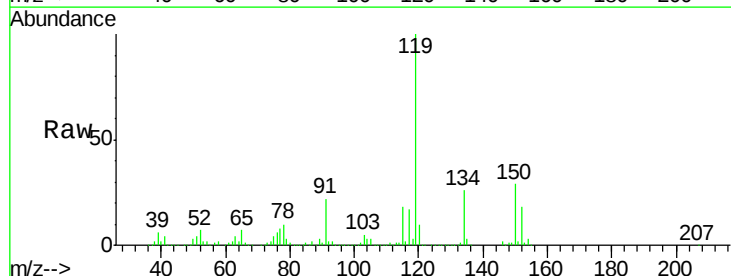
RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

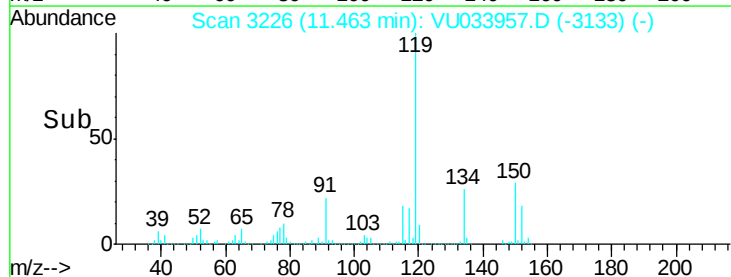
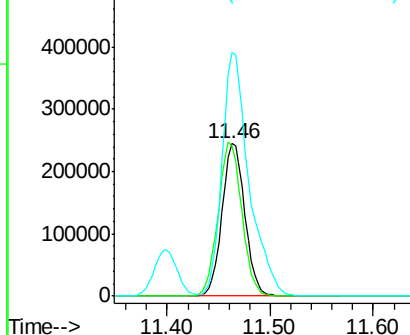
Lab File: VU033957.D

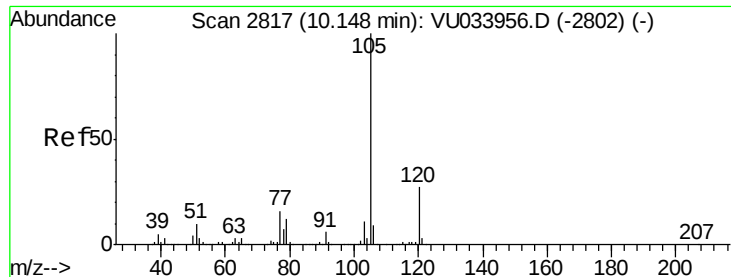
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	104.0	40.3	120.9
150	188.4	0.0	346.0



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: 87.128 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2464498

Ion Ratio Lower Upper

105 100

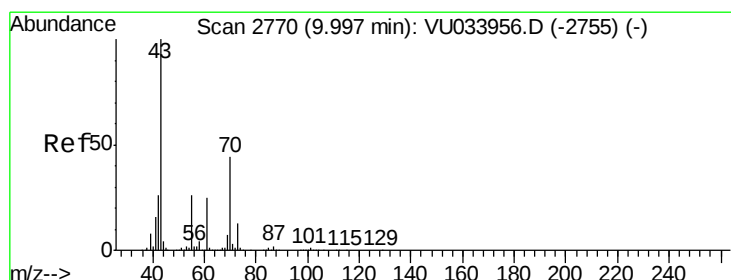
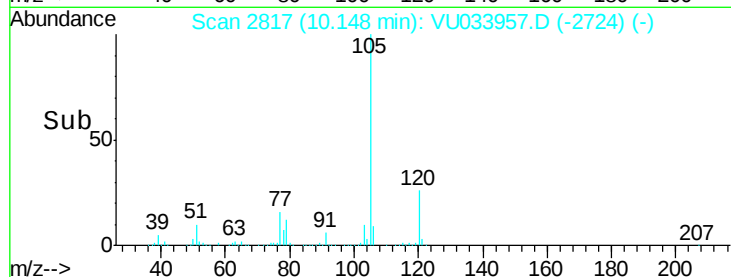
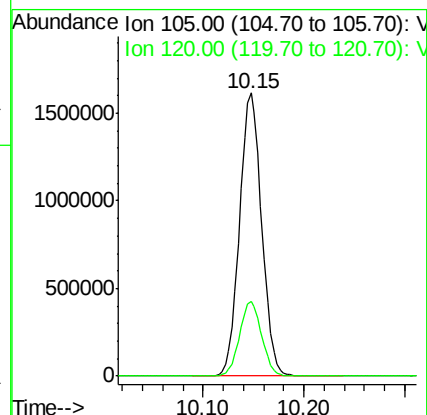
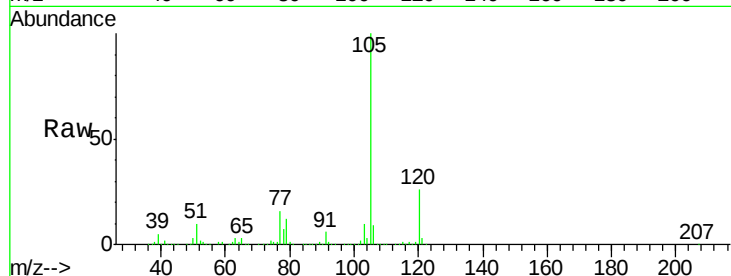
120 26.2 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 78.380 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 1240136

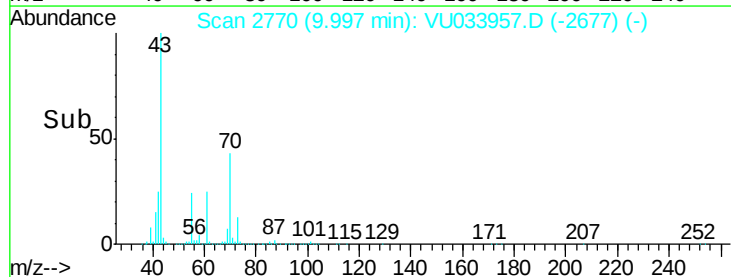
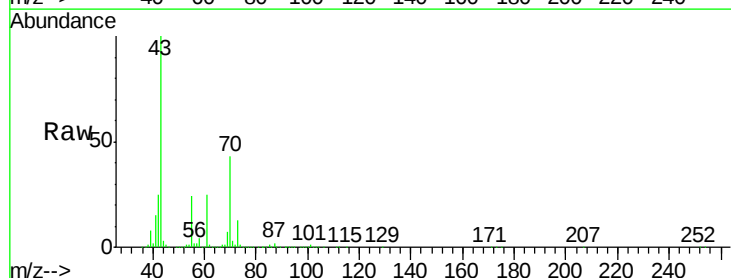
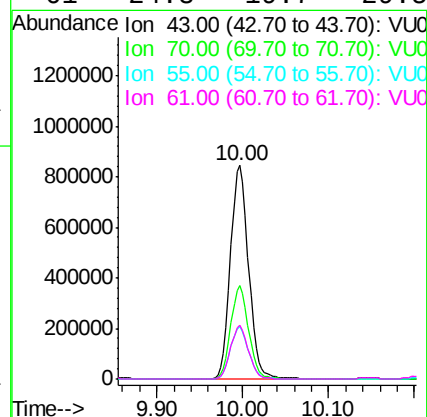
Ion Ratio Lower Upper

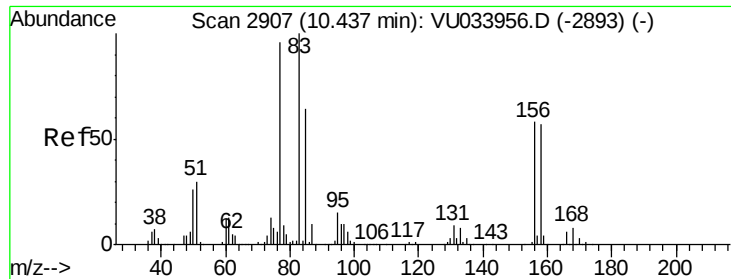
43 100

70 43.1 34.5 51.7

55 24.8 20.9 31.3

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 86.755 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 941987
Ion Ratio Lower Upper

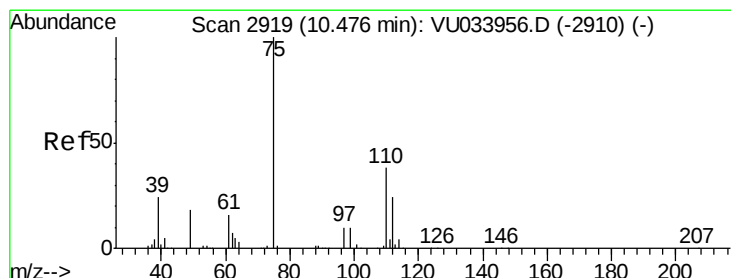
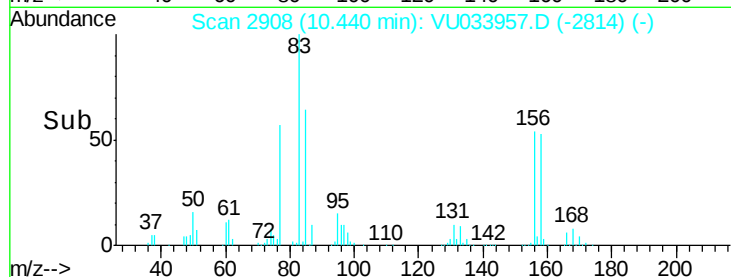
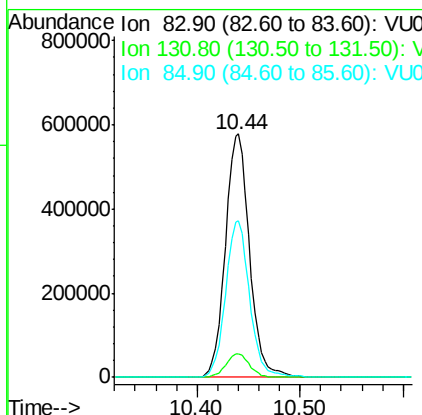
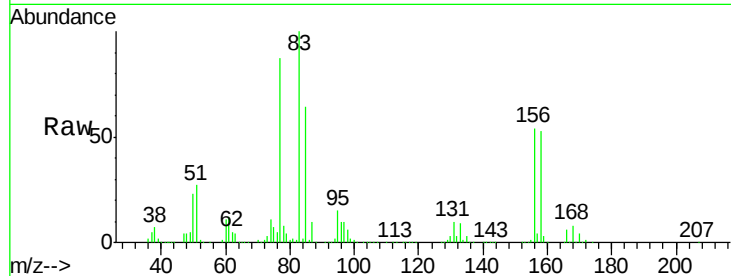
83 100

131 9.4 4.6 13.8

85 64.1 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 84.901 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

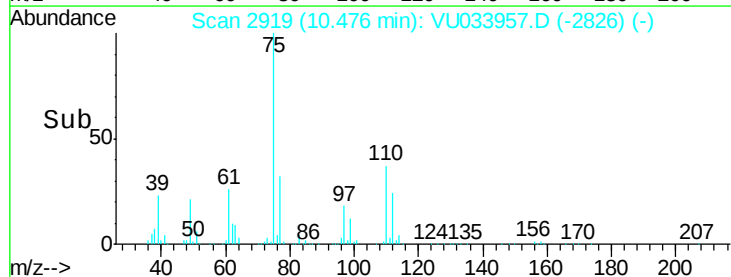
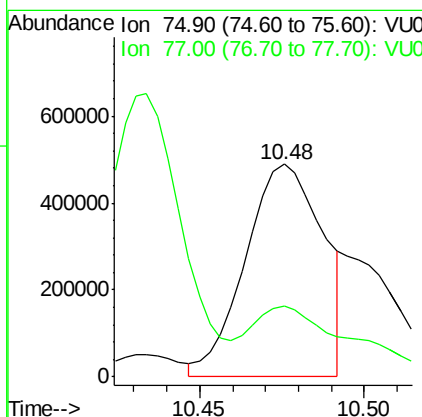
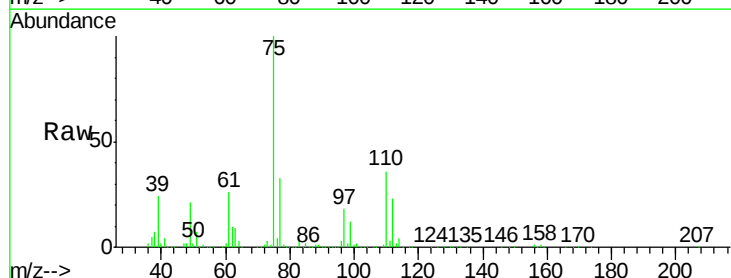
Lab File: VU033957.D

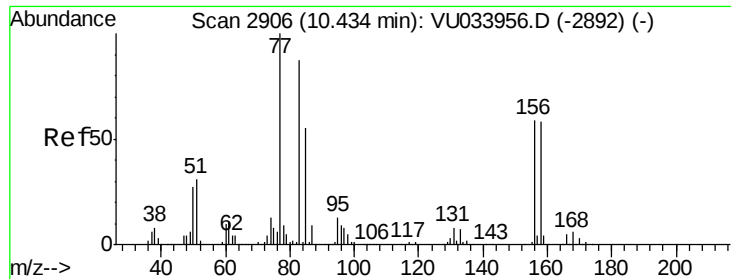
Acq: 26 Aug 2019 18:14

Tgt Ion: 75 Resp: 801562
Ion Ratio Lower Upper

75 100

77 43.6 20.1 60.3





#77

Bromobenzene

Concen: 92.367 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

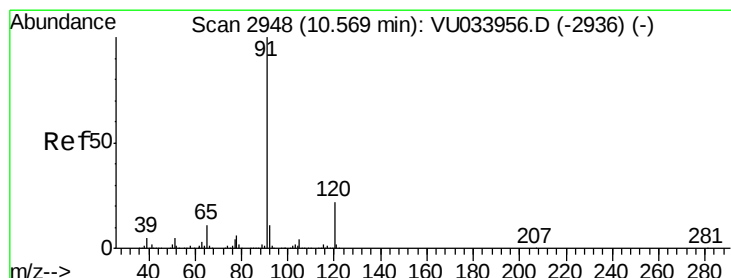
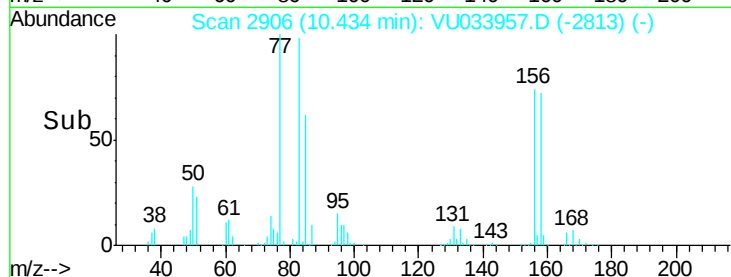
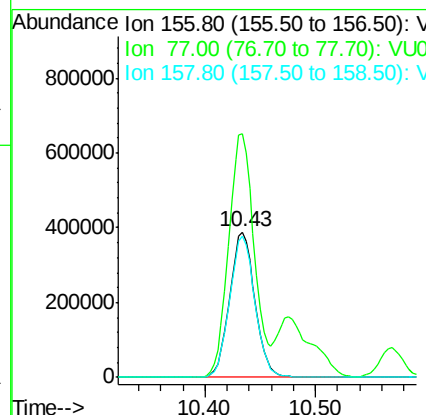
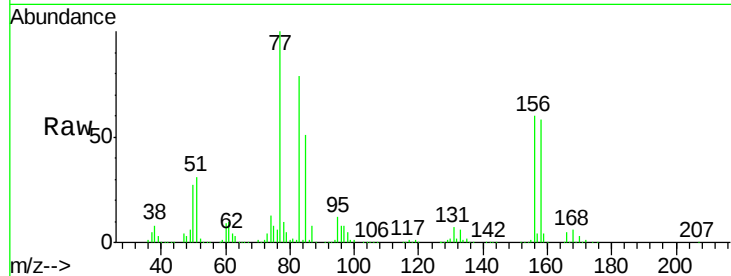
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		617084		
77	170.3	85.3	255.8		
158	97.4	48.9	146.7		

Manual Integrations
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#78

n-propylbenzene

Concen: 84.842 ug/l

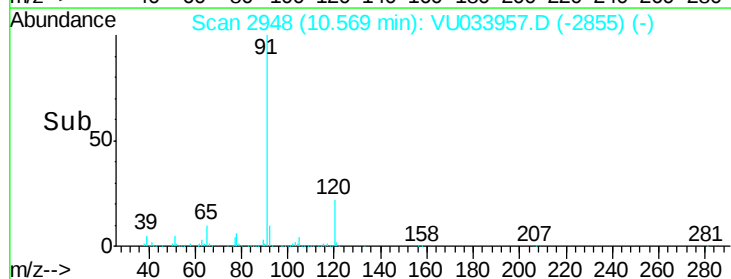
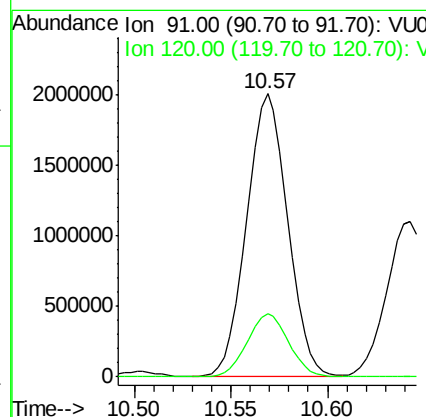
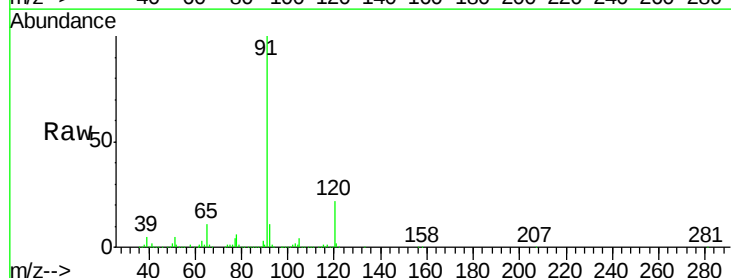
RT: 10.57 min Scan# 2948

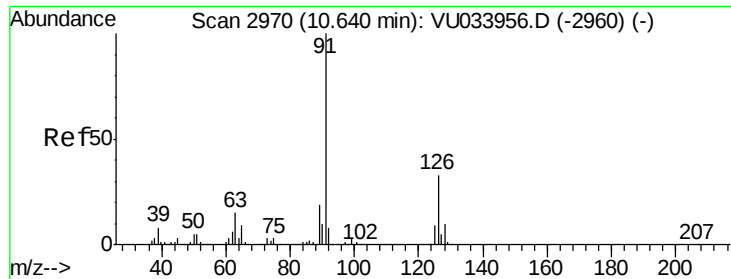
Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2967598		
120	22.5	11.2	33.6		





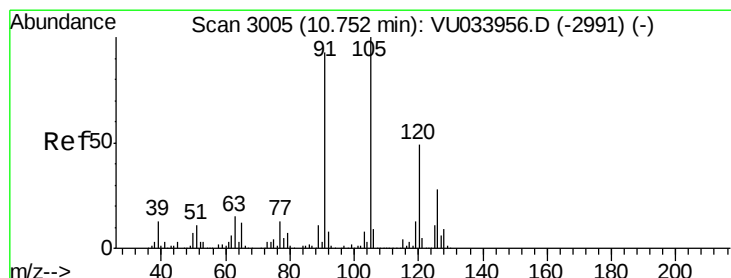
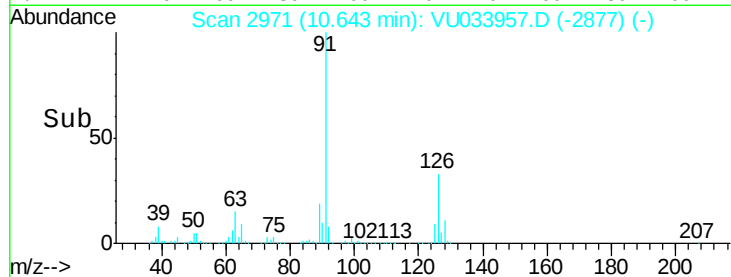
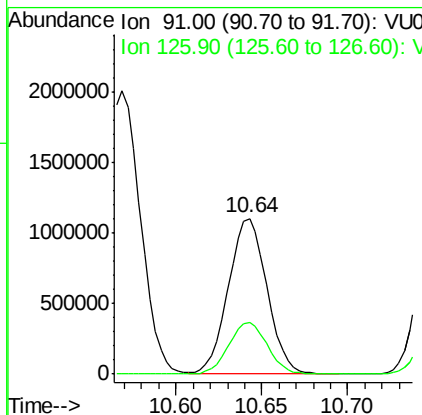
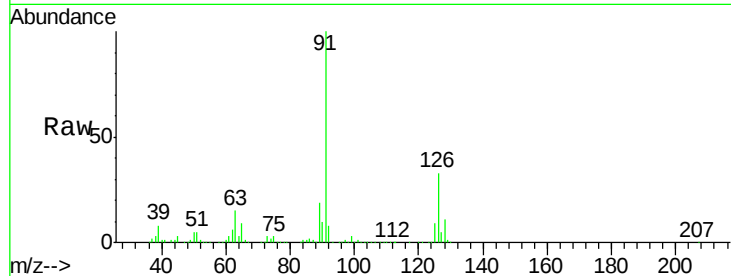
#79
2-Chlorotoluene
Concen: 84.851 ug/l
RT: 10.64 min Scan# 2971
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1709959
Ion Ratio Lower Upper
91 100
126 33.3 16.8 50.3

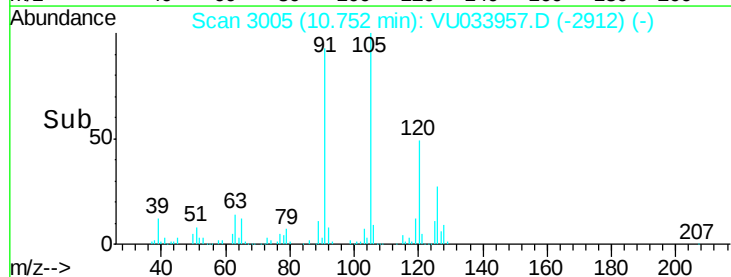
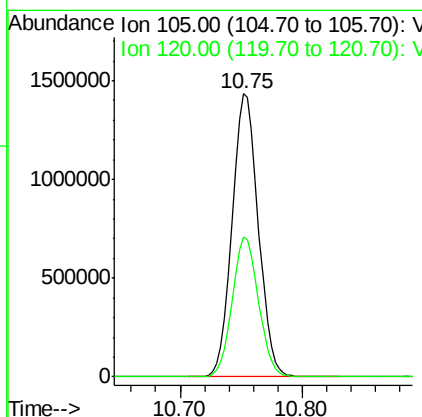
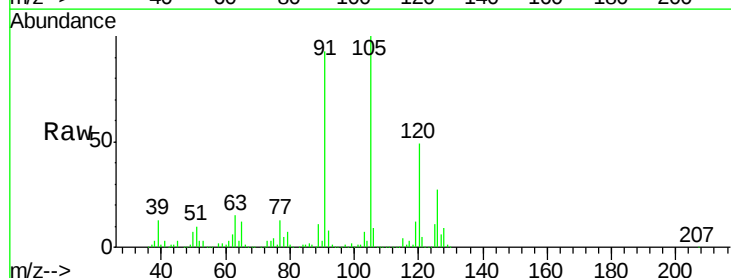
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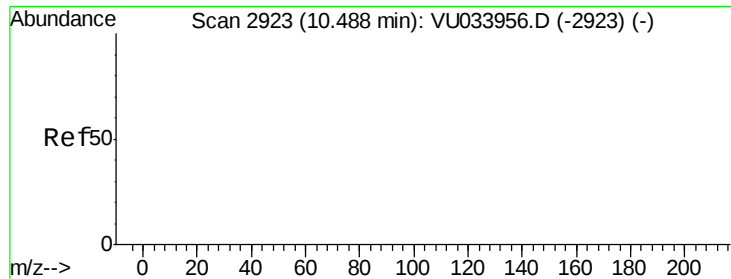
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 91.168 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 105 Resp: 2140941
Ion Ratio Lower Upper
105 100
120 49.5 24.6 73.8





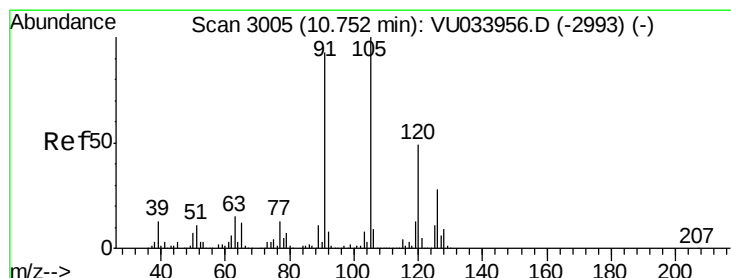
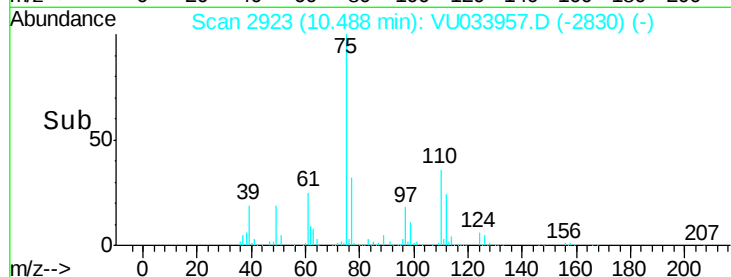
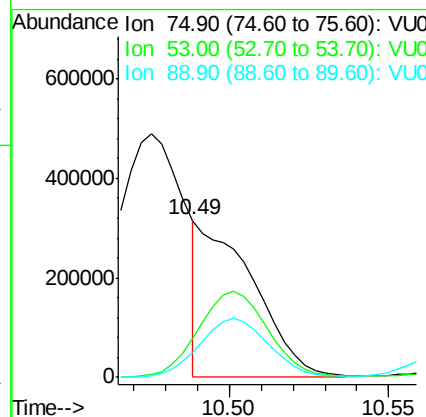
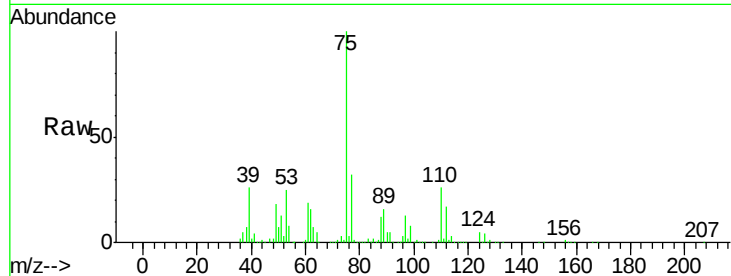
#81
trans-1,4-Dichloro-2-butene
Concen: 91.623 ug/l m
RT: 10.49 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

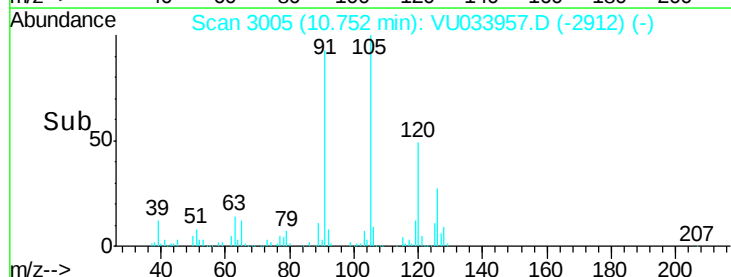
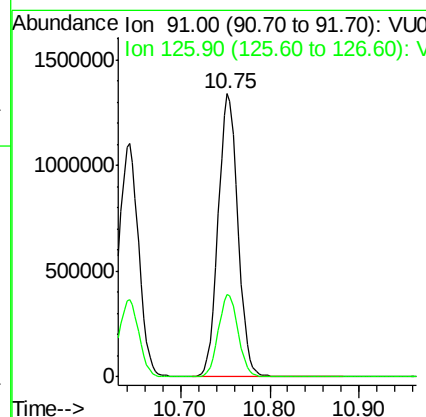
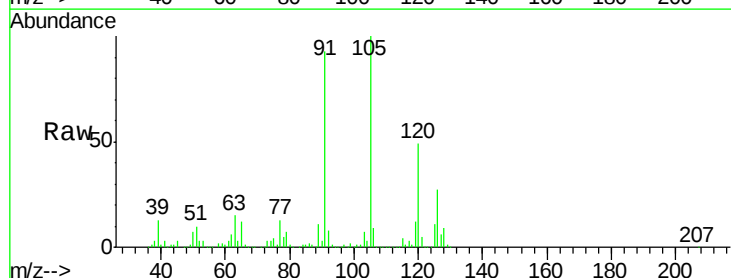
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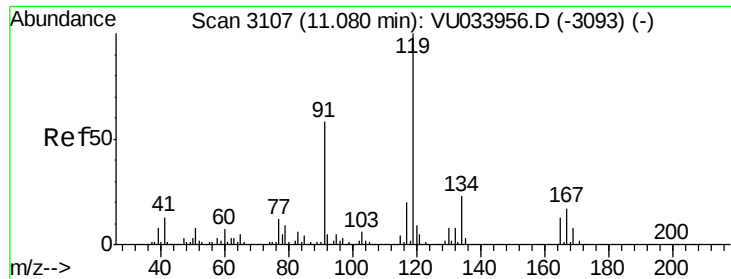
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#82
4-Chlorotoluene
Concen: 85.391 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





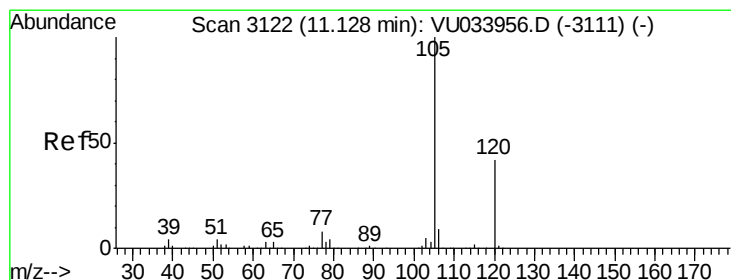
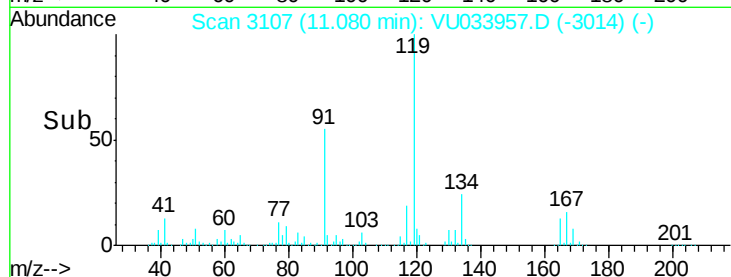
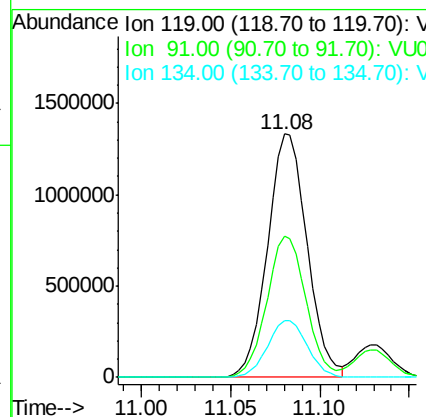
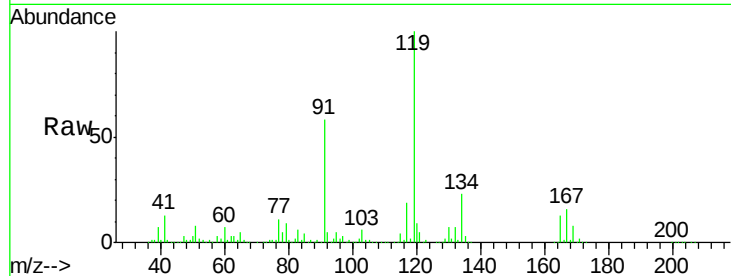
#83
tert-Butylbenzene
Concen: 91.275 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	28.6	85.8
134	23.5	11.7	35.0

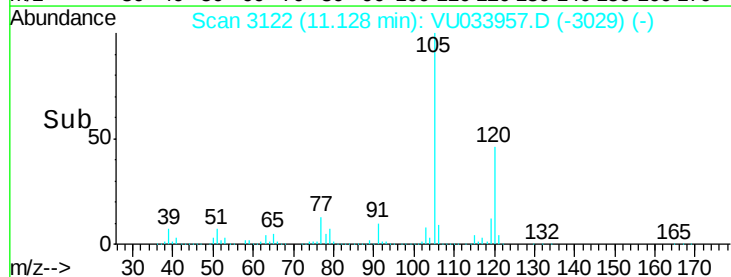
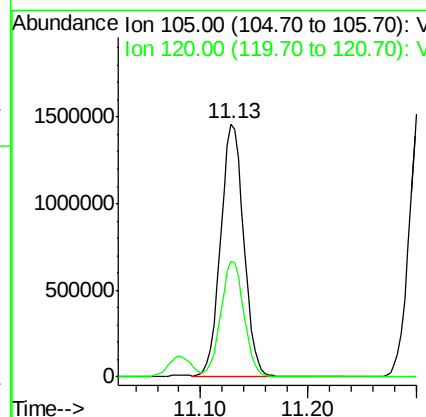
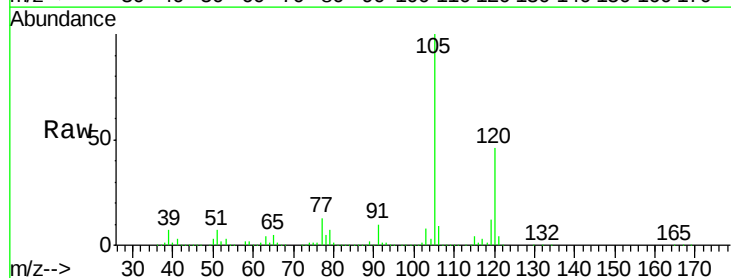
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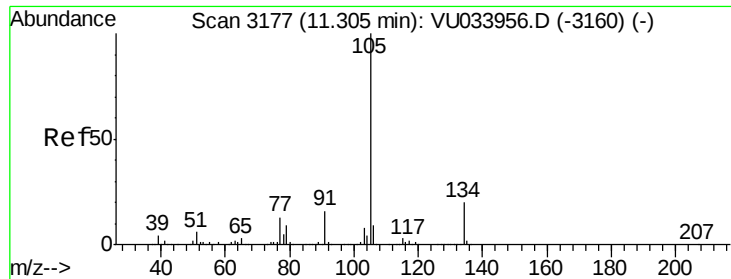
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 89.646 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	69.0





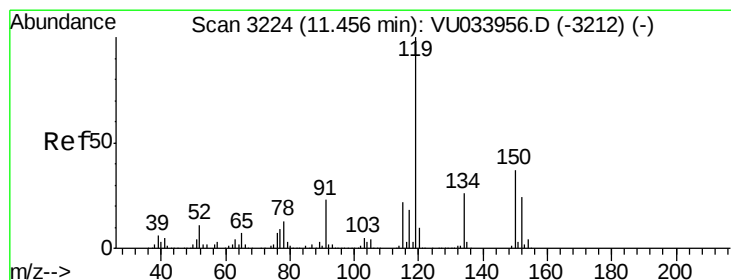
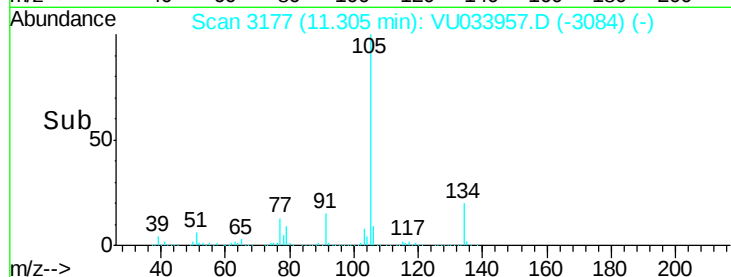
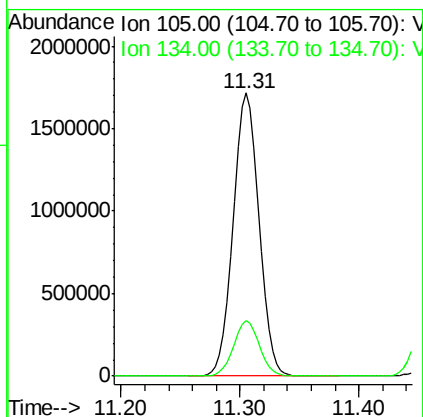
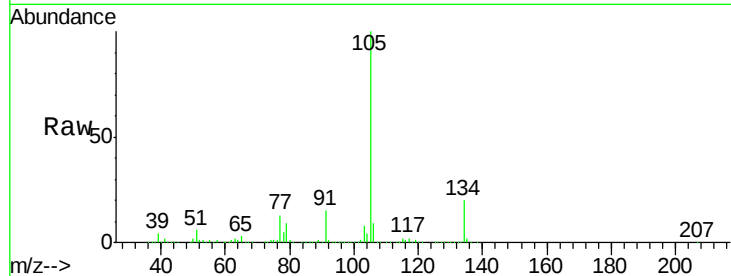
#85
 sec-Butylbenzene
 Concen: 89.071 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2569870
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1

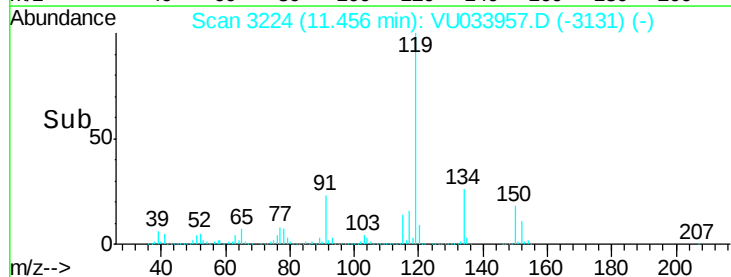
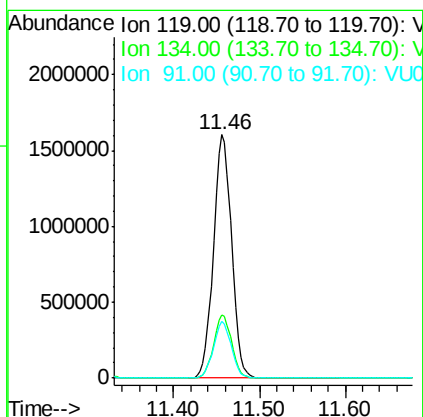
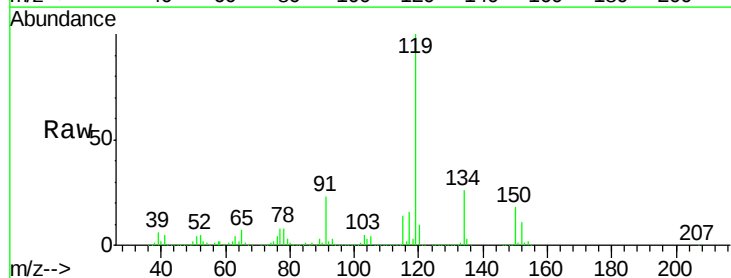
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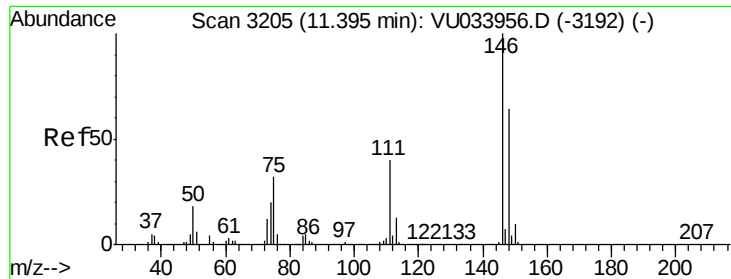
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#86
 p-Isopropyltoluene
 Concen: 94.944 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:119 Resp: 2358777
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 22.9 11.6 34.7





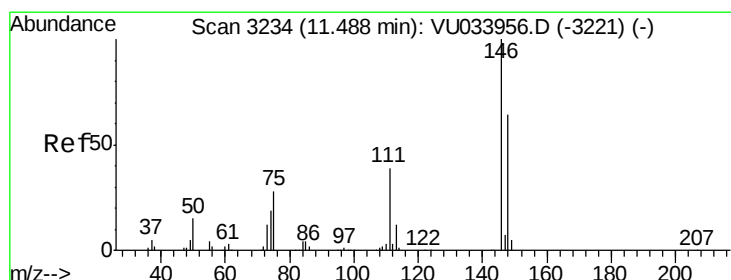
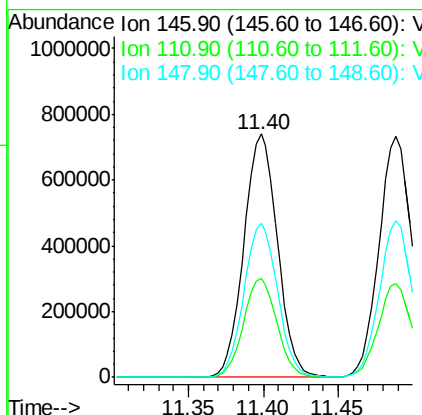
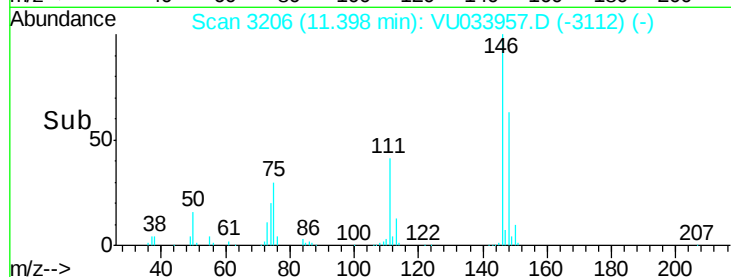
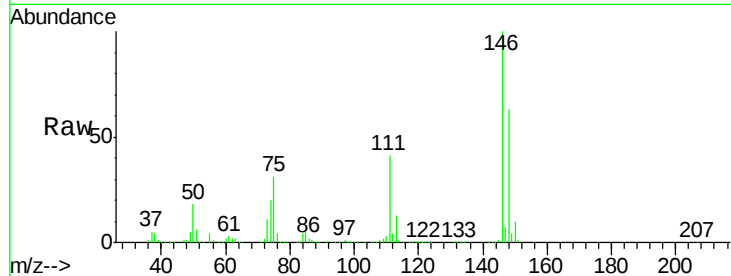
#87
 1,3-Dichlorobenzene
 Concen: 91.575 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.5	31.8	95.4

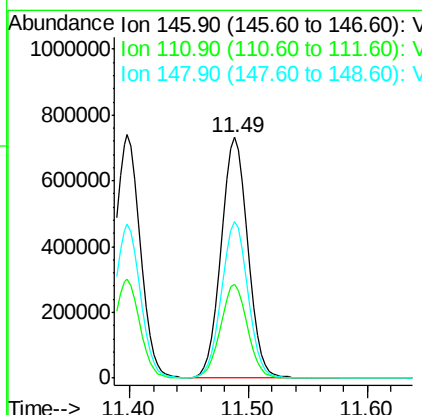
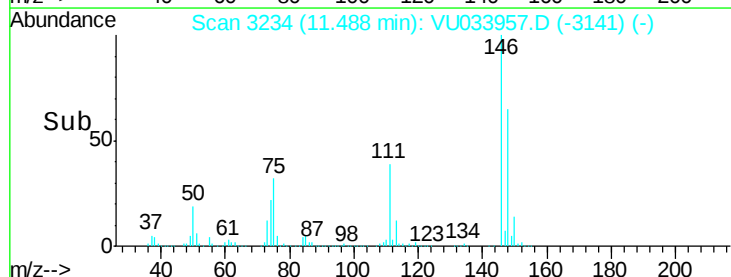
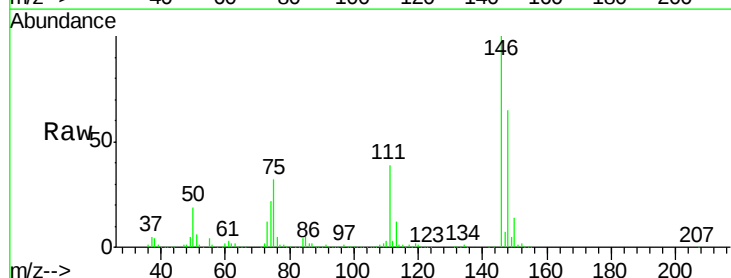
Manual Integrations
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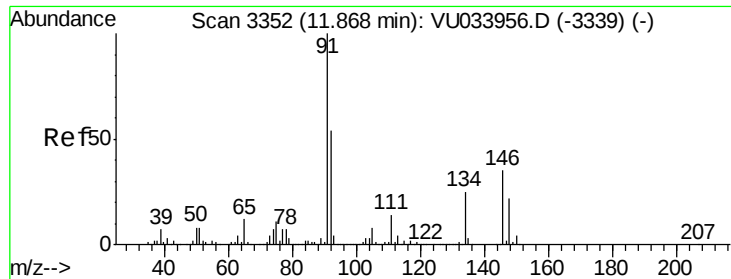
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#88
 1,4-Dichlorobenzene
 Concen: 87.201 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	64.6	32.2	96.6





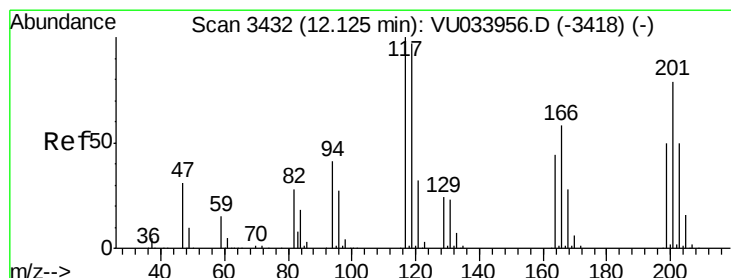
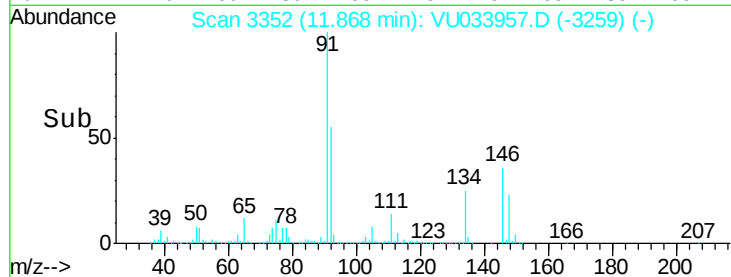
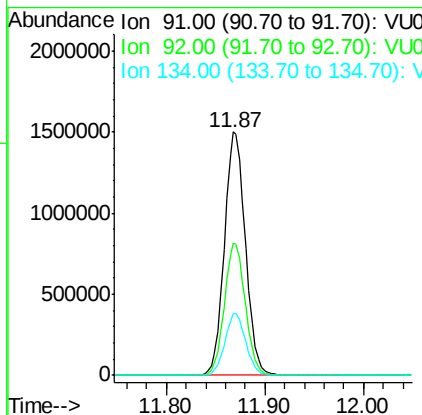
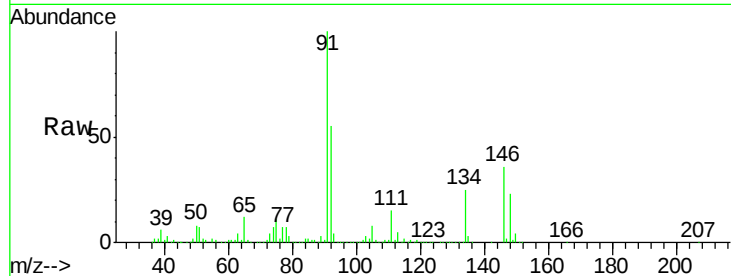
#89
n-Butylbenzene
Concen: 90.470 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2246572
Ion Ratio Lower Upper
91 100
92 54.3 26.9 80.6
134 25.4 12.6 37.6

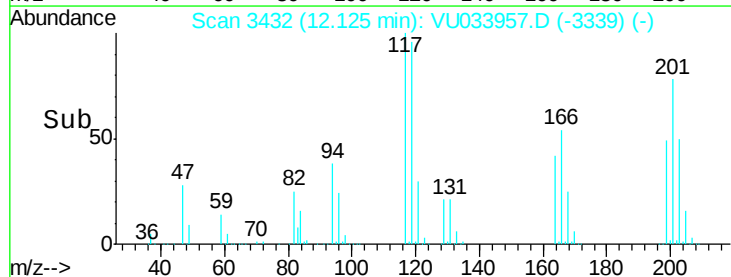
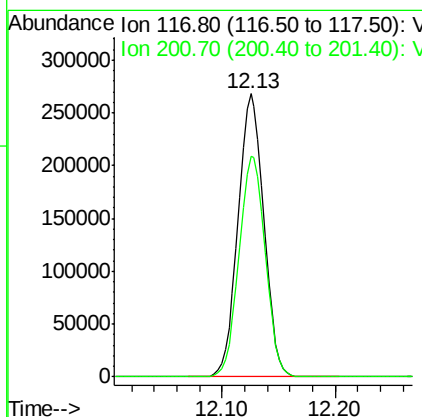
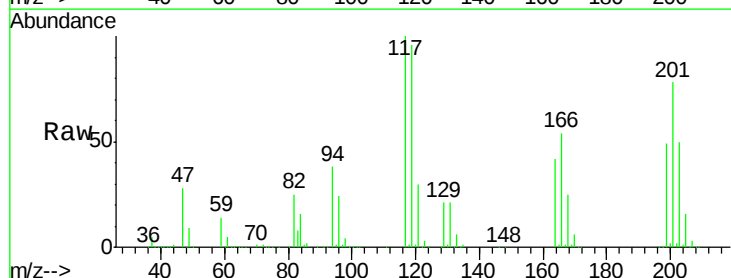
Manual Integrations
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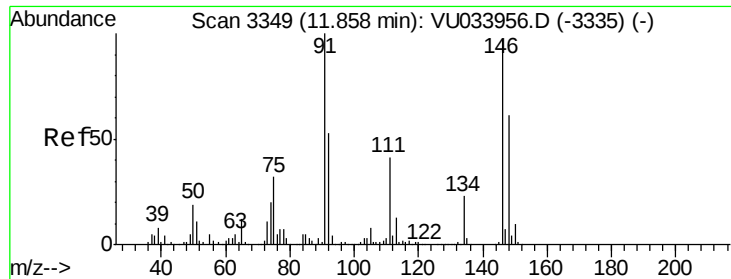
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#90
Hexachloroethane
Concen: 110.469 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033957.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 117 Resp: 425548
Ion Ratio Lower Upper
117 100
201 79.4 39.6 118.7





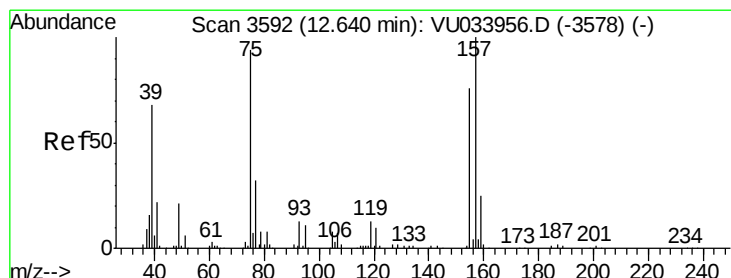
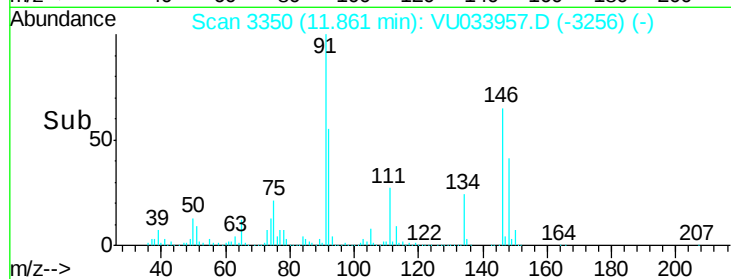
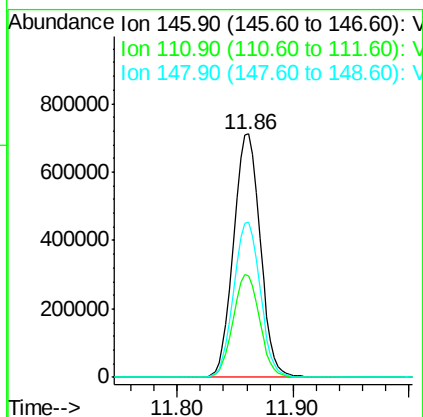
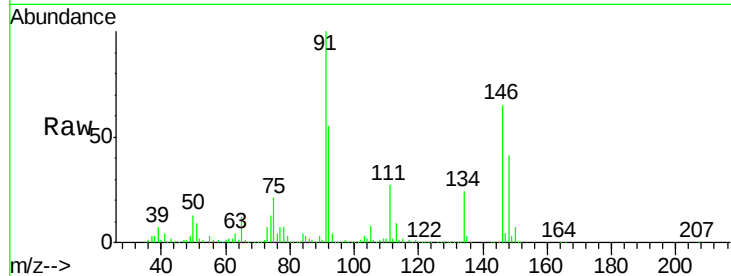
#91
 1,2-Dichlorobenzene
 Concen: 89.732 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1129259
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.1
 148 63.5 31.7 95.1

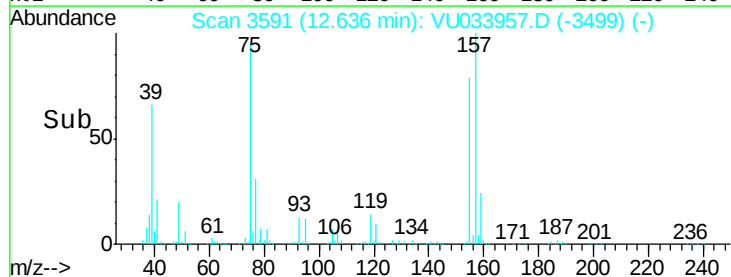
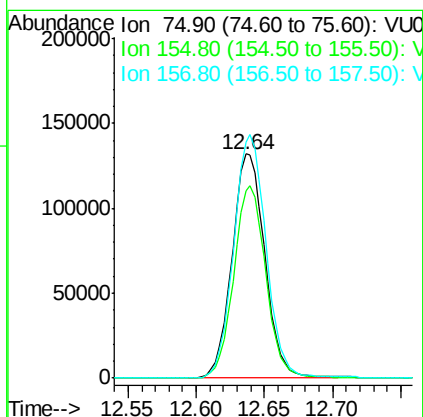
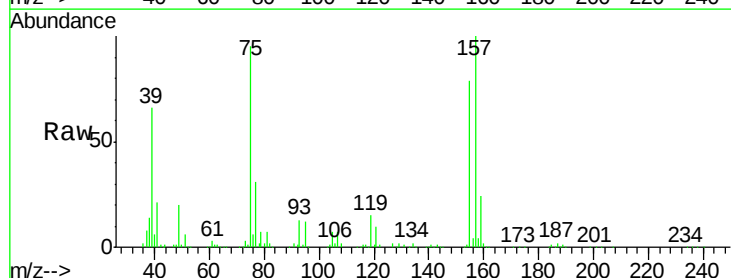
Manual Integrations
 APPROVED

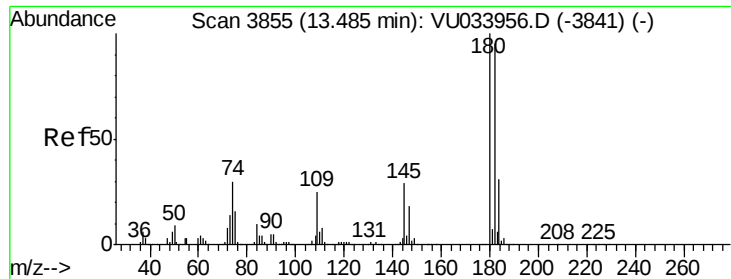
MMDadoda
 8/27/2019 12:17:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.950 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 75 Resp: 220712
 Ion Ratio Lower Upper
 75 100
 155 84.0 40.0 119.9
 157 107.7 51.9 155.7





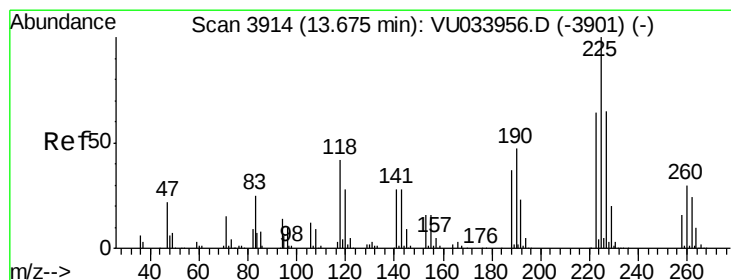
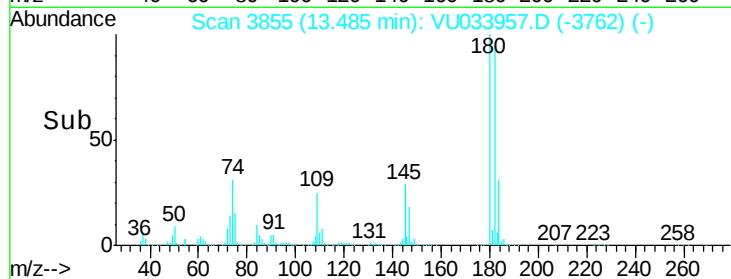
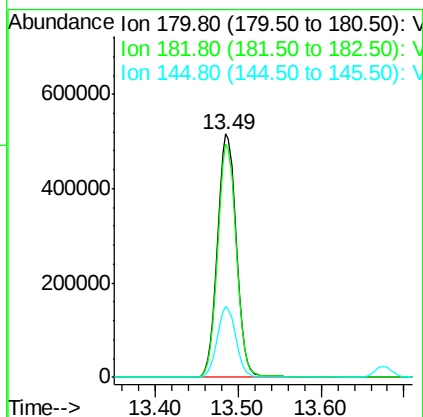
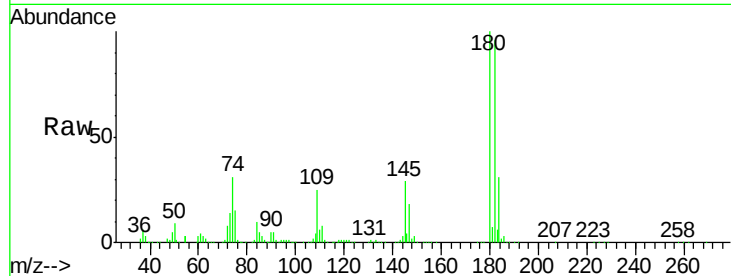
#93
 1,2,4-Trichlorobenzene
 Concen: 90.049 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	28.9	14.2	42.8

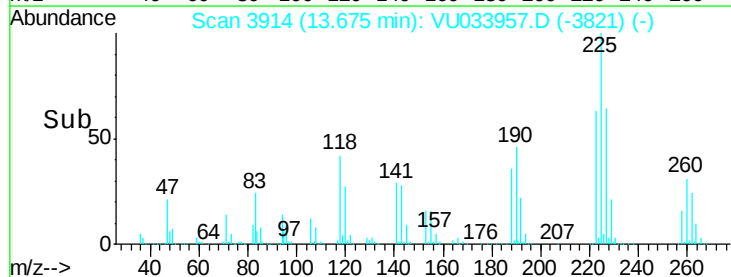
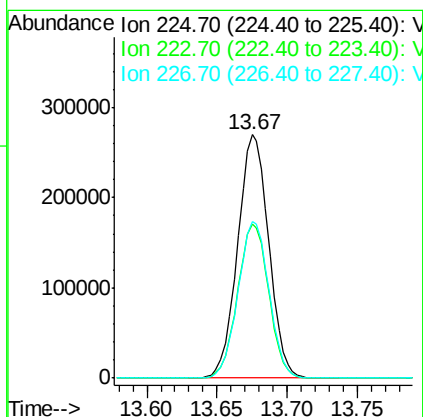
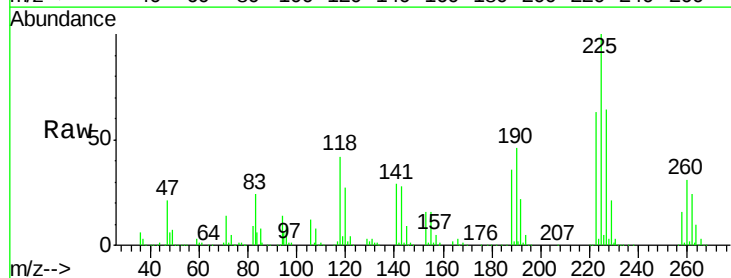
Manual Integrations
 APPROVED

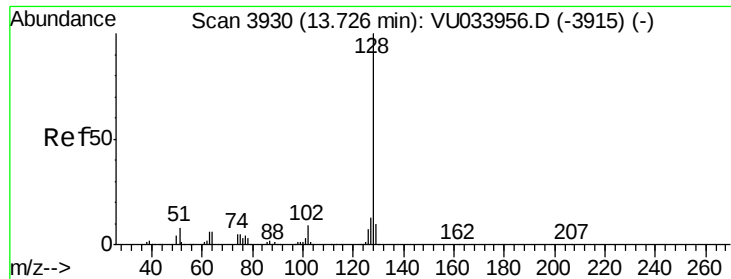
MMDadoda
 8/27/2019 12:17:05 PM



#94
 Hexachlorobutadiene
 Concen: 98.876 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033957.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	64.3	32.3	96.8





#95

Naphthalene

Concen: 83.365 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 2458344

Ion Ratio Lower Upper

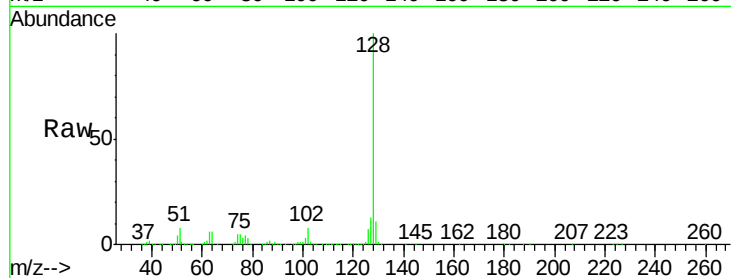
128 100

127 12.9 10.1 15.1

129 10.6 8.3 12.5

Manual Integrations
APPROVED

MMDadoda
8/27/2019 12:17:05 PM

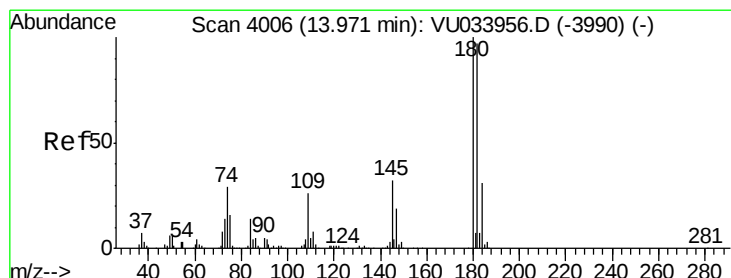
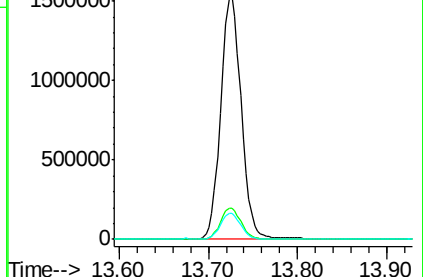
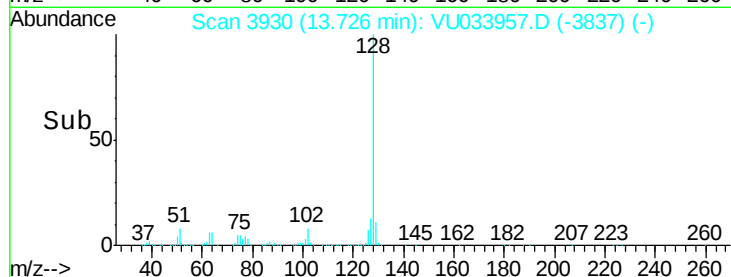


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.73



#96

1,2,3-Trichlorobenzene

Concen: 87.831 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033957.D

Acq: 26 Aug 2019 18:14

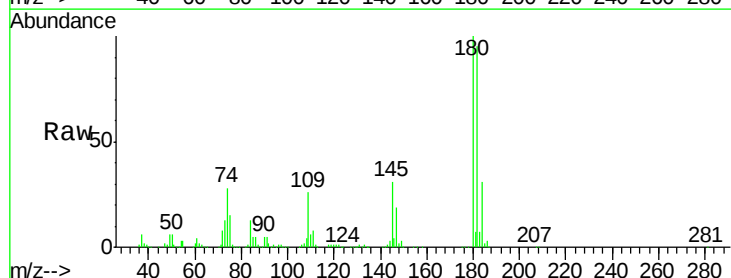
Tgt Ion:180 Resp: 792323

Ion Ratio Lower Upper

180 100

182 95.4 48.6 145.8

145 30.7 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

13.97

