

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034223.D
 Acq On : 03 Sep 2019 13:28
 Operator : JC/SP
 Sample : VU0904MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Manual Integrations
 APPROVED

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 9/4/2019 4:57:54 PM

Quant Time: Sep 04 05:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	383635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	615554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	590642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	324023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	234103	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	4.86	113	200479	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	7.55	98	769678	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	10.29	95	285128	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	67323	17.449 ug/l	98
3) Chloromethane	1.32	50	88858	15.815 ug/l	100
4) Vinyl Chloride	1.40	62	89919	17.510 ug/l	100
5) Bromomethane	1.62	94	51903	17.186 ug/l	98
6) Chloroethane	1.69	64	55369	17.637 ug/l	100
7) Trichlorofluoromethane	1.88	101	110986	18.653 ug/l	99
8) Diethyl Ether	2.10	74	49002	19.251 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70847	18.795 ug/l	98
10) Methyl Iodide	2.40	142	55778	10.431 ug/l	98
11) Tert butyl alcohol	2.81	59	91138	80.398 ug/l	100
12) 1,1-Dichloroethene	2.27	96	71990	18.745 ug/l	97
13) Acrolein	2.19	56	21905	45.935 ug/l	94
14) Allyl chloride	2.58	41	132794m	18.390 ug/l	
15) Acrylonitrile	2.92	53	250100	96.148 ug/l	98
16) Acetone	2.31	43	205861	82.075 ug/l	97
17) Carbon Disulfide	2.47	76	196004	16.125 ug/l	99
18) Methyl Acetate	2.60	43	120976	18.665 ug/l	100
19) Methyl tert-butyl Ether	2.98	73	246650	19.601 ug/l	100
20) Methylene Chloride	2.69	84	87404	18.407 ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	76598	18.377 ug/l	98
22) Diisopropyl ether	3.55	45	260151	19.661 ug/l	93
23) Vinyl Acetate	3.51	43	1068549	94.009 ug/l	100
24) 1,1-Dichloroethane	3.43	63	151179	19.352 ug/l	99
25) 2-Butanone	4.24	43	316718	90.762 ug/l	98
26) 2,2-Dichloropropane	4.21	77	114552	18.021 ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	88439	18.904 ug/l	98
28) Bromochloromethane	4.53	49	79932	20.768 ug/l	99
29) Tetrahydrofuran	4.62	42	205368	95.431 ug/l	99
30) Chloroform	4.65	83	149172	19.139 ug/l	99
31) Cyclohexane	4.97	56	127355	17.350 ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	121853	19.089 ug/l	99
36) 1,1-Dichloropropene	5.12	75	103444	17.767 ug/l	100
37) Ethyl Acetate	4.36	43	115499	17.715 ug/l	99
38) Carbon Tetrachloride	5.12	117	105304	18.737 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	116755	17.014	ug/l	98
40) Benzene	5.37	78	328889	18.670	ug/l	100
41) Methacrylonitrile	4.52	41	62538	18.703	ug/l	98
42) 1,2-Dichloroethane	5.39	62	113509	18.660	ug/l	98
43) Isopropyl Acetate	5.53	43	180132	18.160	ug/l	100
44) Trichloroethene	6.17	130	87771	18.974	ug/l	99
45) 1,2-Dichloropropane	6.41	63	93483	19.278	ug/l	99
46) Dibromomethane	6.54	93	57382	18.367	ug/l	97
47) Bromodichloromethane	6.74	83	115519	18.899	ug/l	99
48) Methyl methacrylate	6.60	41	83729	17.493	ug/l	98
49) 1,4-Dioxane	6.60	88	33999	283.492	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	613825	89.606	ug/l	100
52) Toluene	7.62	92	206103	18.993	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	118195	17.427	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	134470	18.148	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	85218	18.565	ug/l	98
56) Ethyl methacrylate	8.00	69	120405	16.478	ug/l	99
57) 1,3-Dichloropropane	8.22	76	144667	18.562	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	195327	76.918	ug/l	100
59) 2-Hexanone	8.34	43	460161	88.983	ug/l	98
60) Dibromochloromethane	8.46	129	91898	18.651	ug/l	98
61) 1,2-Dibromoethane	8.57	107	87493	18.095	ug/l	99
64) Tetrachloroethene	8.21	164	77572	19.557	ug/l	98
65) Chlorobenzene	9.10	112	227292	18.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	80365	18.234	ug/l	99
67) Ethyl Benzene	9.23	91	381662	18.524	ug/l	100
68) m/p-Xylenes	9.36	106	294148	37.545	ug/l	100
69) o-Xylene	9.76	106	140539	18.698	ug/l	100
70) Styrene	9.77	104	244985	19.009	ug/l	99
71) Bromoform	9.94	173	67615	17.657	ug/l #	100
73) Isopropylbenzene	10.15	105	379792	17.450	ug/l	100
74) N-amyl acetate	10.00	43	151335	16.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	145362	17.450	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	118955m	16.289	ug/l	
77) Bromobenzene	10.43	156	103018	17.596	ug/l	98
78) n-propylbenzene	10.57	91	448365	17.689	ug/l	99
79) 2-Chlorotoluene	10.64	91	275272	18.106	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	331559	17.974	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	38372m	17.693	ug/l	
82) 4-Chlorotoluene	10.75	91	315984	18.072	ug/l	100
83) tert-Butylbenzene	11.08	119	312067	17.185	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	327921	17.902	ug/l	99
85) sec-Butylbenzene	11.30	105	384278	17.656	ug/l	100
86) p-Isopropyltoluene	11.46	119	347136	17.635	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	187398	18.080	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	189802	18.107	ug/l	99
89) n-Butylbenzene	11.87	91	296568	17.088	ug/l	100
90) Hexachloroethane	12.12	117	50951	14.971	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	182500	18.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28081	16.921	ug/l	97

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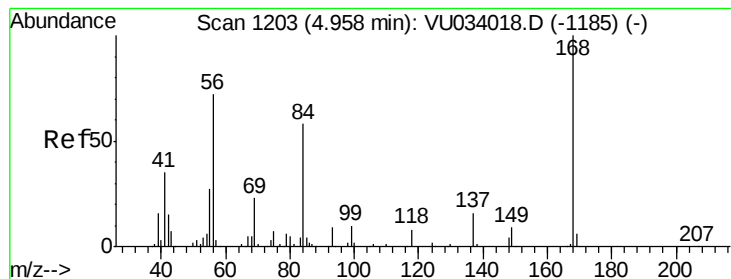
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	110397	16.398	ug/l	99
94) Hexachlorobutadiene	13.67	225	60407	15.552	ug/l	97
95) Naphthalene	13.73	128	299113	16.050	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	114184	17.953	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion:168 Resp: 383635

Ion Ratio Lower Upper

168 100

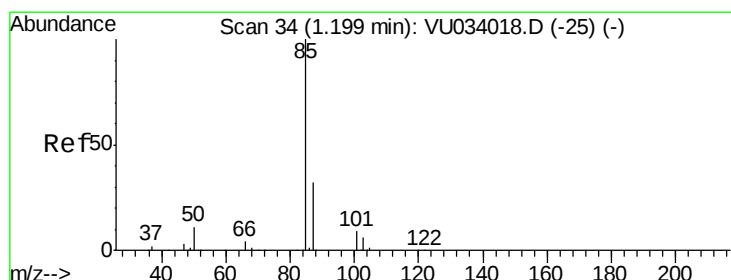
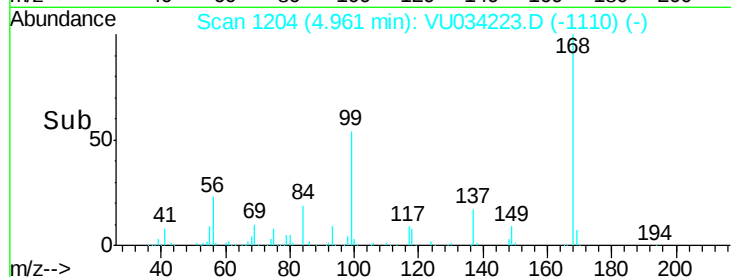
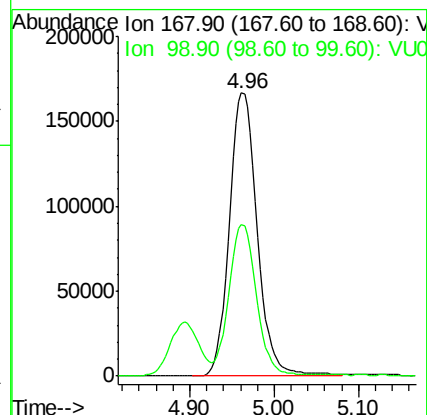
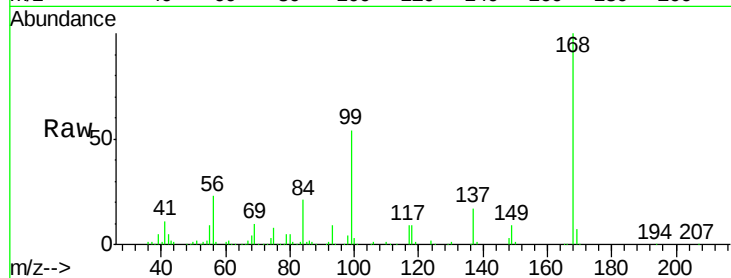
99 53.1 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.449 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034223.D

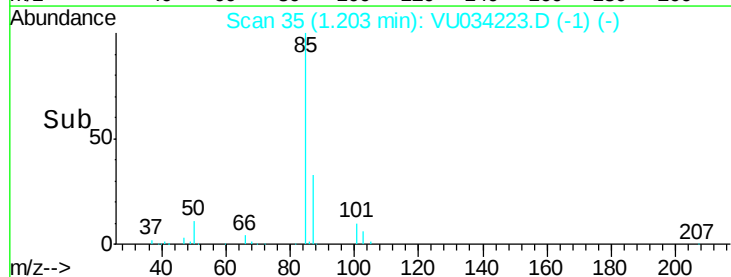
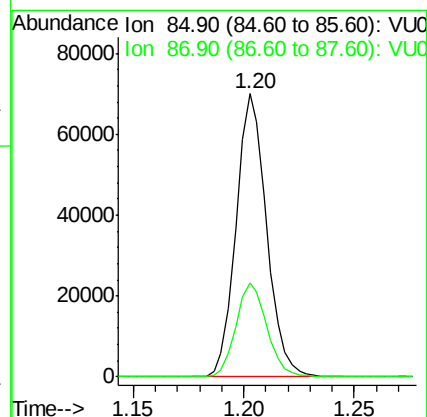
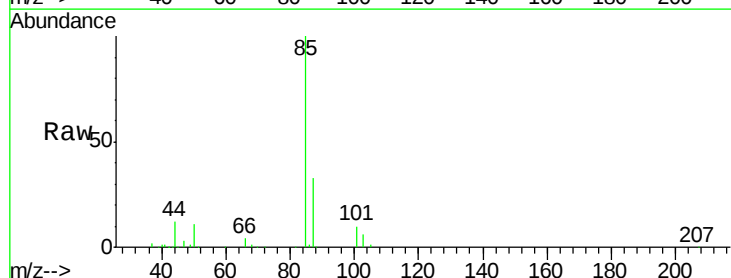
Acq: 03 Sep 2019 13:28

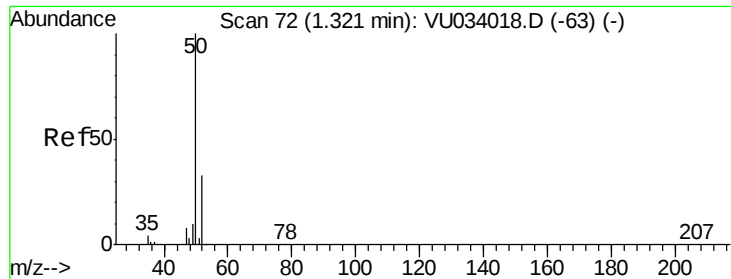
Tgt Ion: 85 Resp: 67323

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3





#3

Chloromethane

Concen: 15.815 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 50 Resp: 88858

Ion Ratio Lower Upper

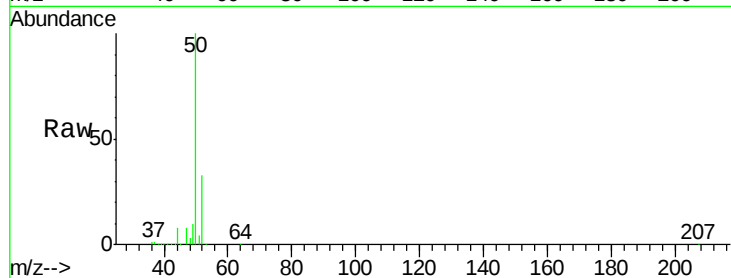
50 100

52 32.7 26.2 39.4

Manual Integrations
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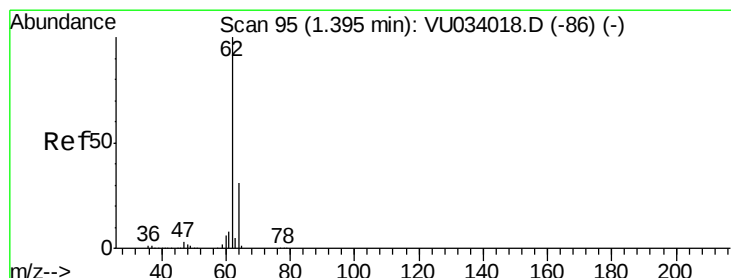
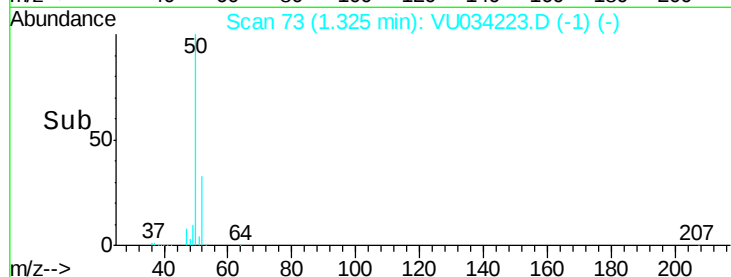
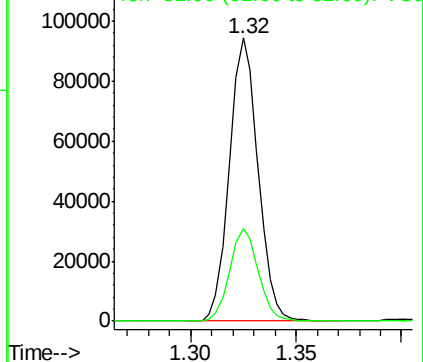
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.510 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034223.D

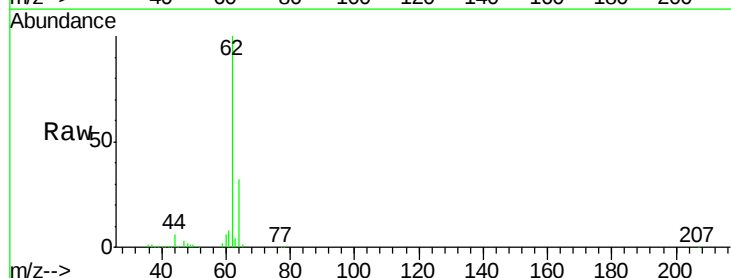
Acq: 03 Sep 2019 13:28

Tgt Ion: 62 Resp: 89919

Ion Ratio Lower Upper

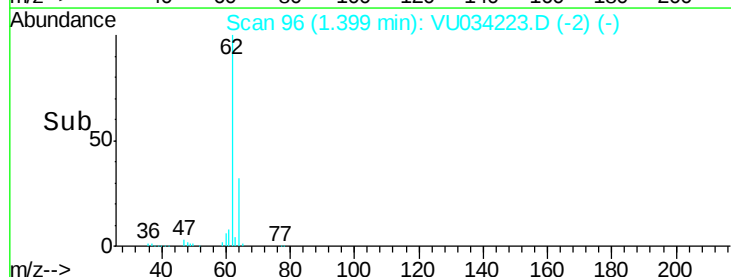
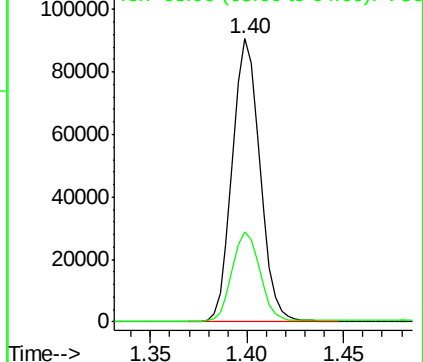
62 100

64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 17.186 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 94 Resp: 51903

Ion Ratio Lower Upper

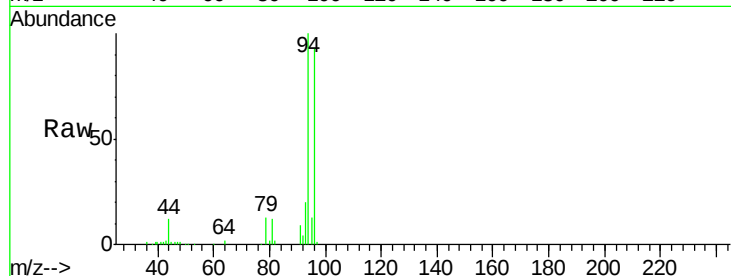
94 100

96 93.4 76.3 114.5

Manual Integrations
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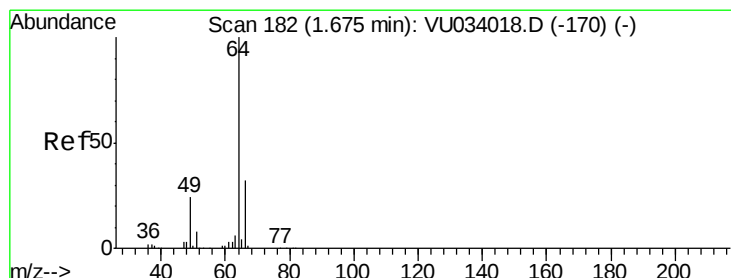
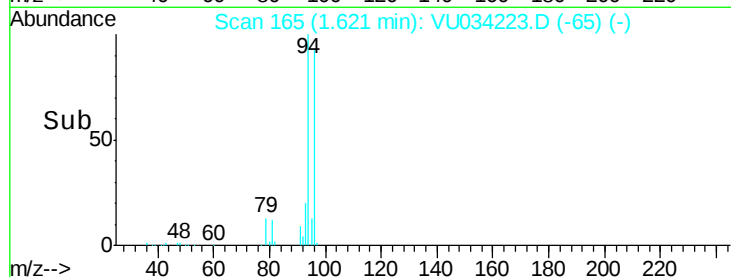
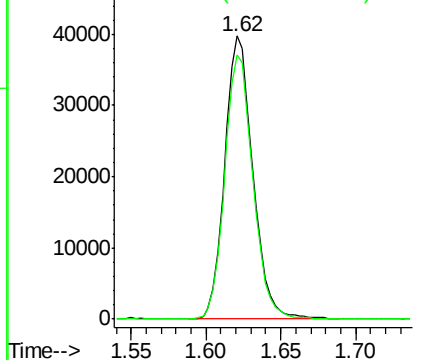
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.637 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.02 min

Lab File: VU034223.D

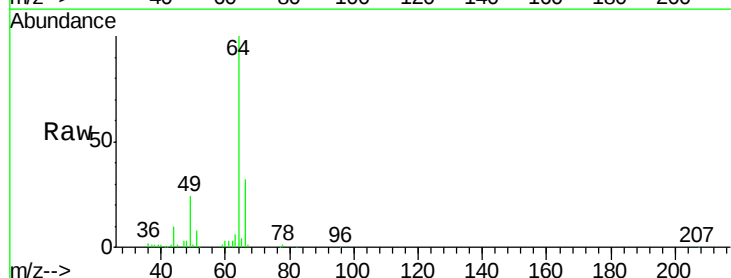
Acq: 03 Sep 2019 13:28

Tgt Ion: 64 Resp: 55369

Ion Ratio Lower Upper

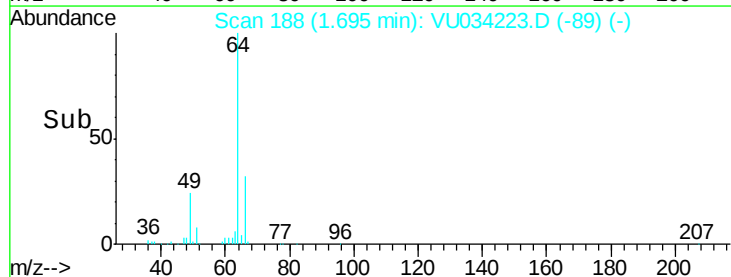
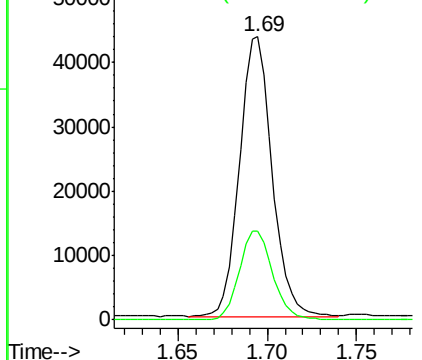
64 100

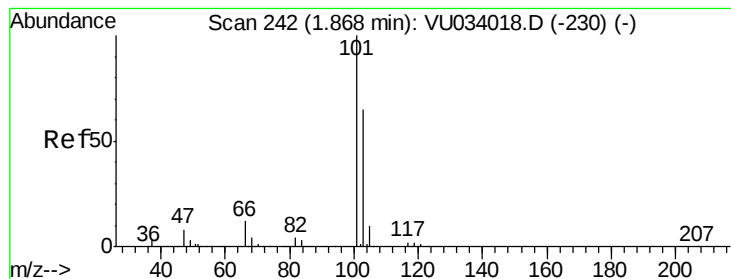
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

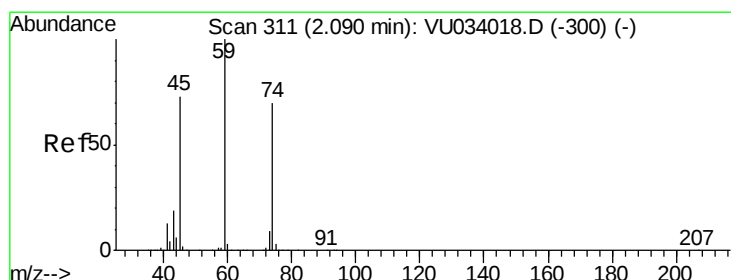
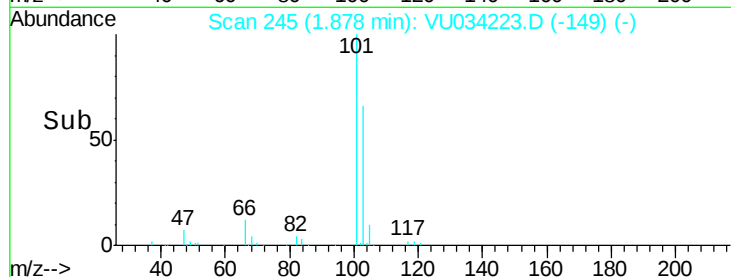
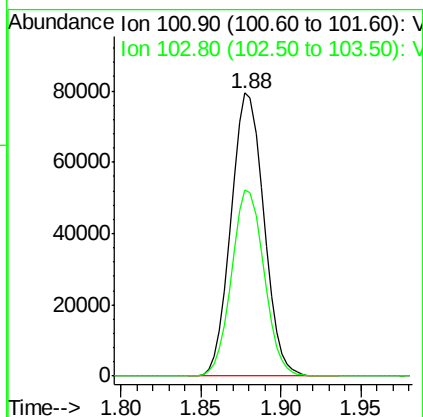
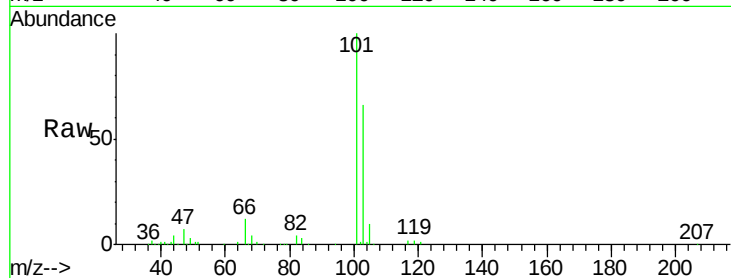
Trichlorofluoromethane
 Concen: 18.653 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	110986		
103	65.6	52.1	78.1	

Manual Integrations
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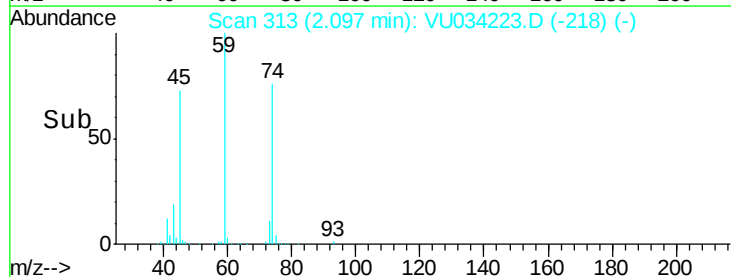
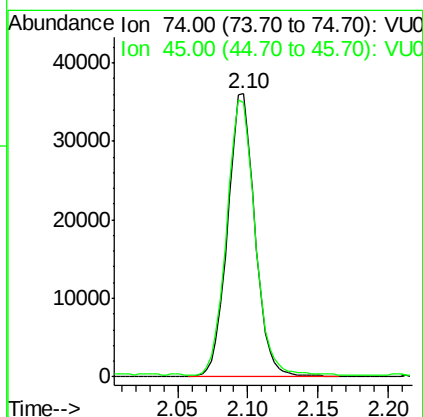
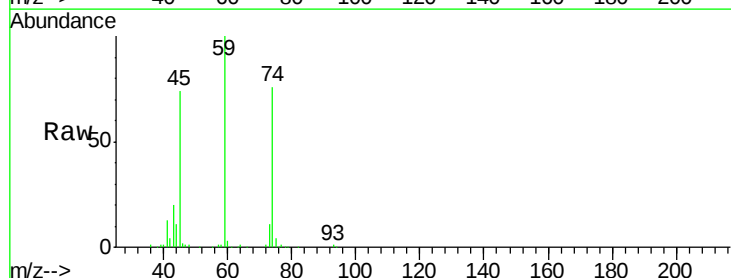
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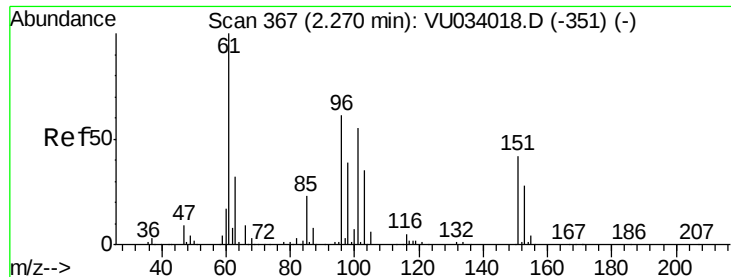


#8

Diethyl Ether
 Concen: 19.251 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49002		
45	100.8	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.795 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

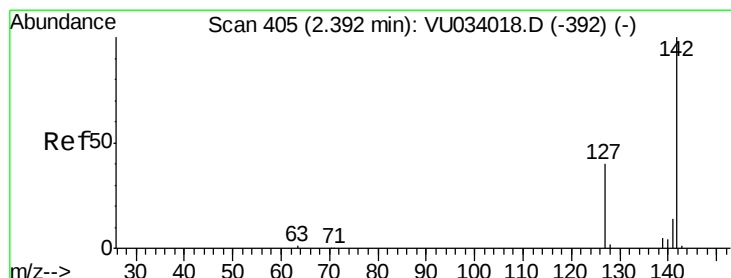
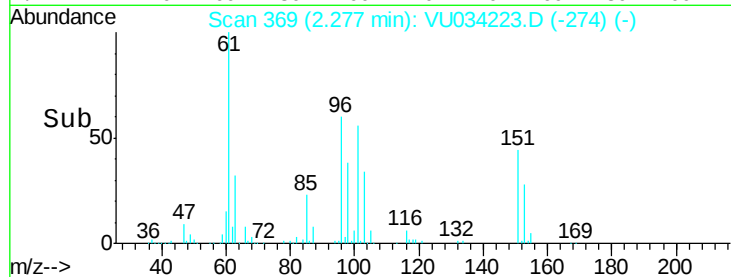
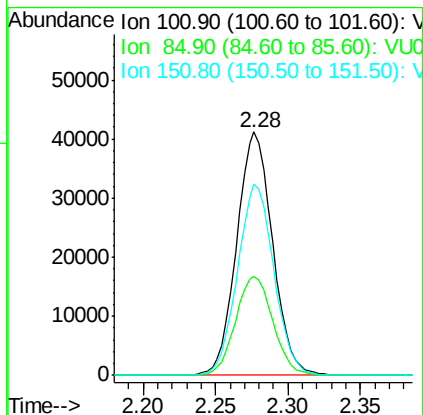
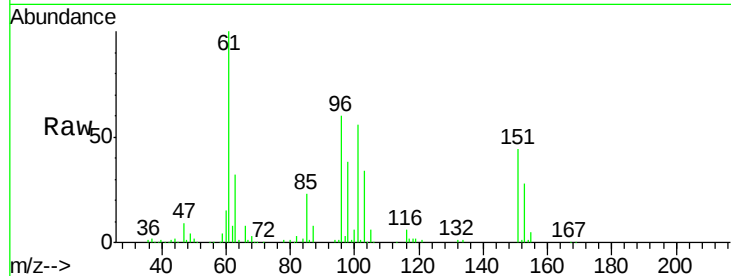
ClientSampleId :

VU0904MBSD01

Tot Ion:	101	Resp:	70847
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	79.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 10.431 ug/l

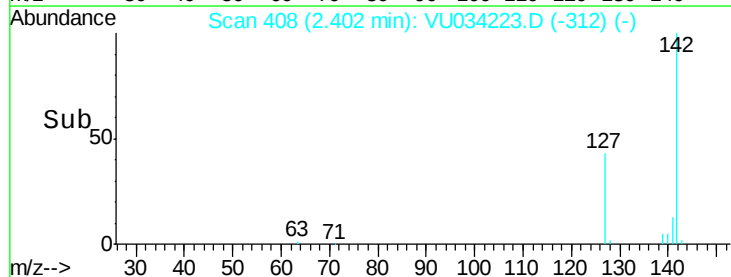
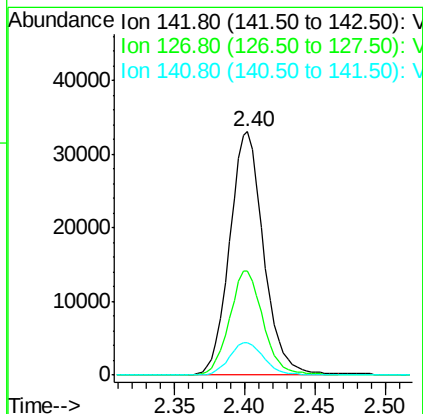
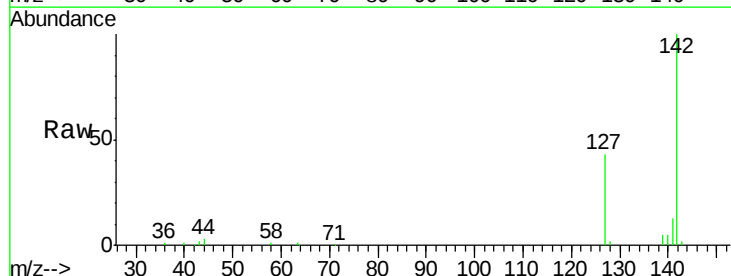
RT: 2.40 min Scan# 408

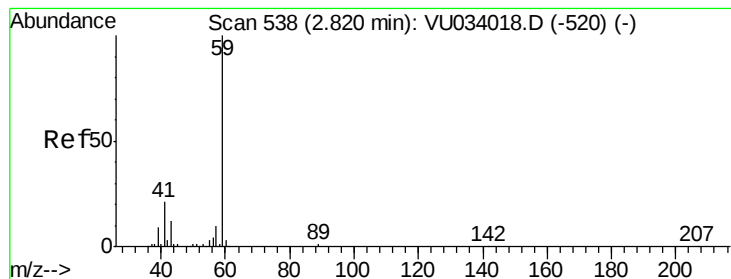
Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	142	Resp:	55778
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.6	48.8
141	13.5	11.3	16.9





#11

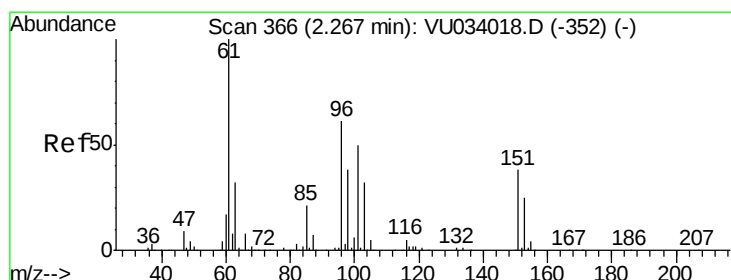
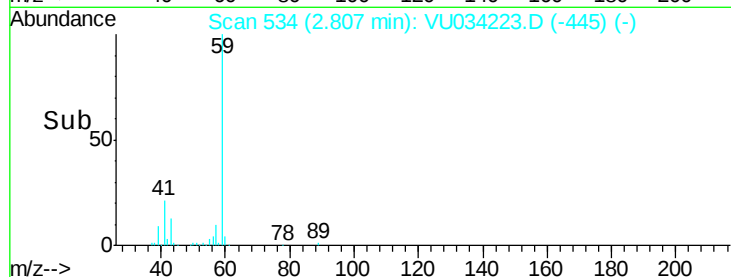
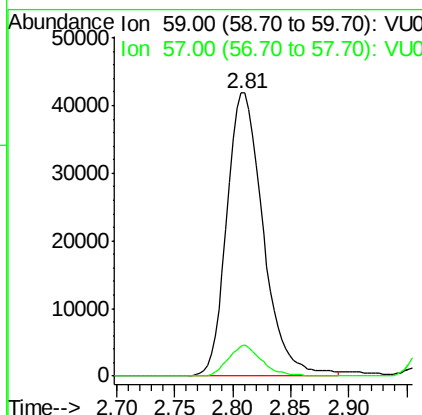
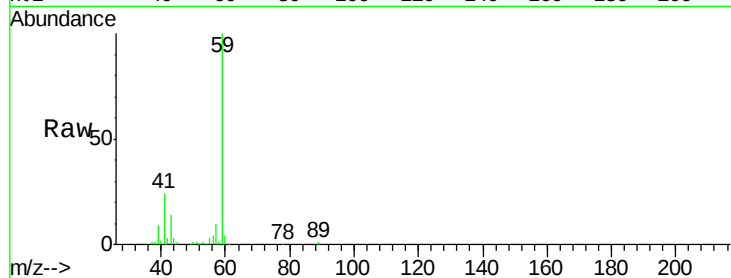
Tert butyl alcohol
 Concen: 80.398 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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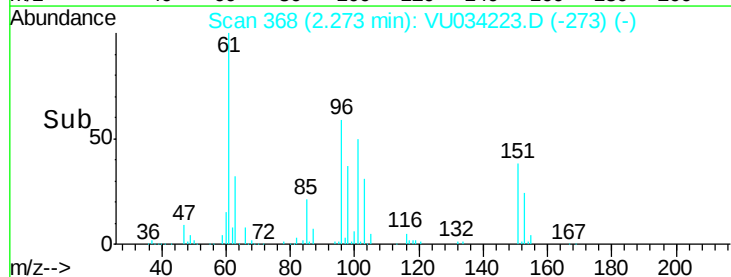
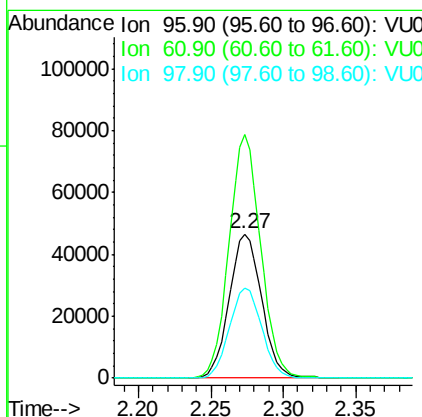
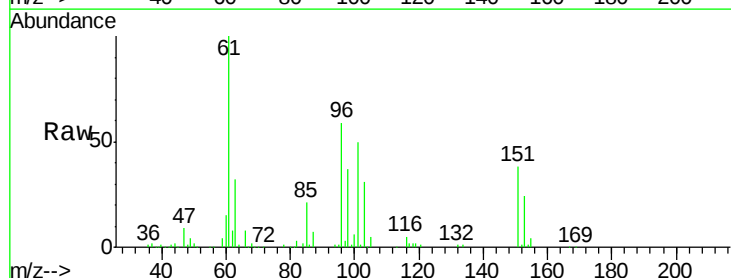
MMDadoda
 9/4/2019 4:57:54 PM

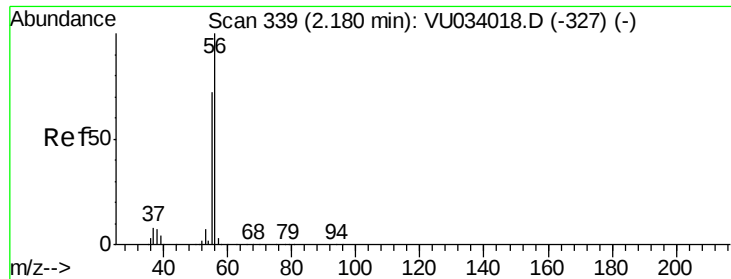


#12

1,1-Dichloroethene
 Concen: 18.745 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	131.3	196.9
98	62.6	50.3	75.5





#13

Acrolein

Concen: 45.935 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 56 Resp: 21905

Ion Ratio Lower Upper

56 100

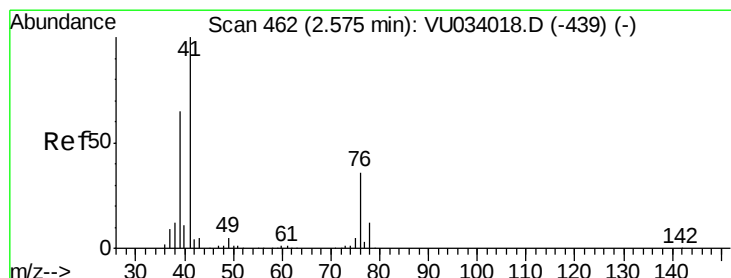
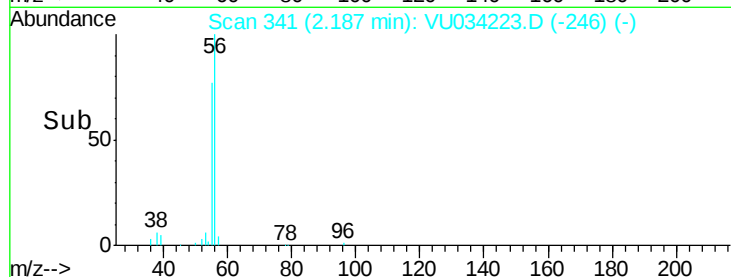
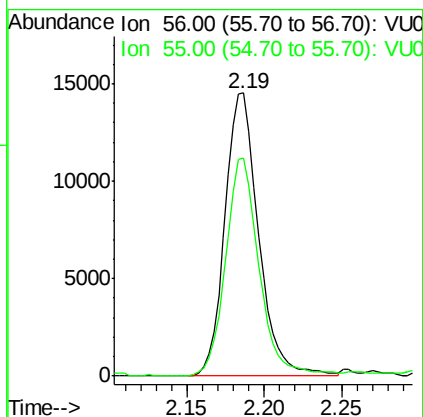
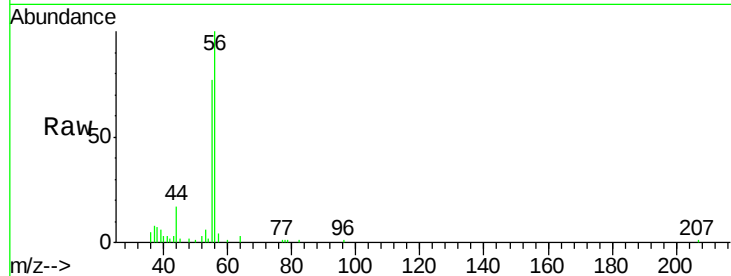
55 76.1 57.1 85.7

Manual Integrations

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9/4/2019 4:57:54 PM



#14

Allyl chloride

Concen: 18.390 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

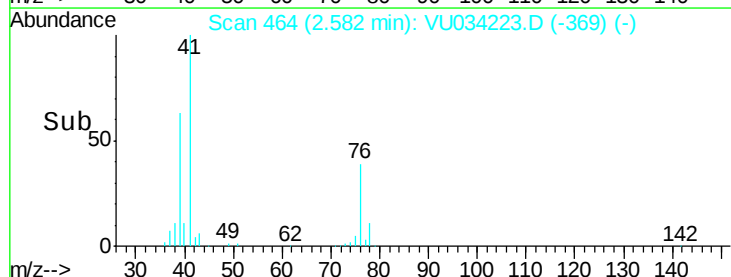
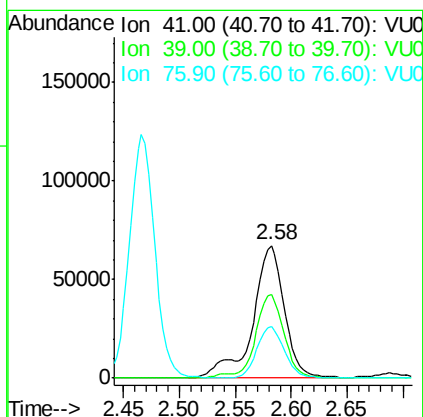
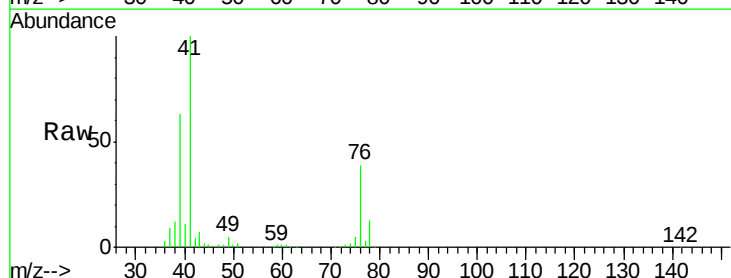
Tgt Ion: 41 Resp: 132794

Ion Ratio Lower Upper

41 100

39 53.8 46.8 70.2

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 96.148 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

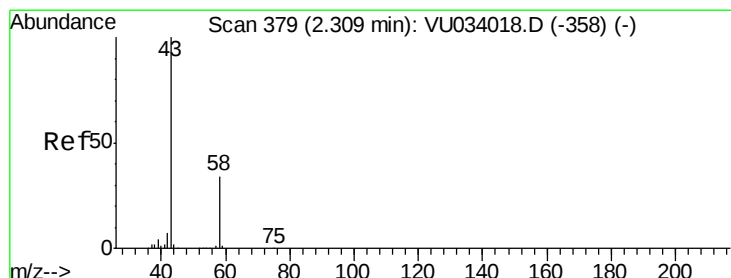
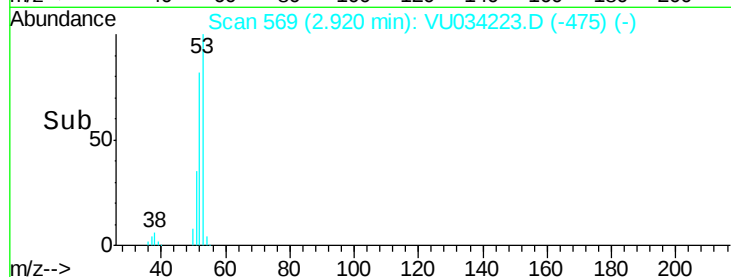
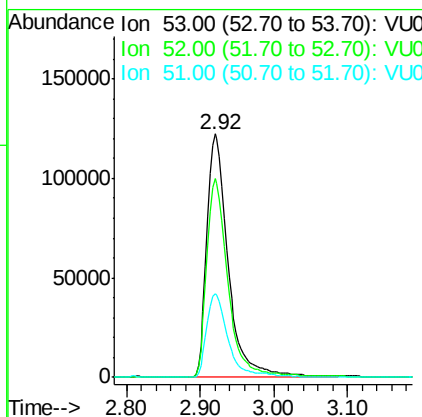
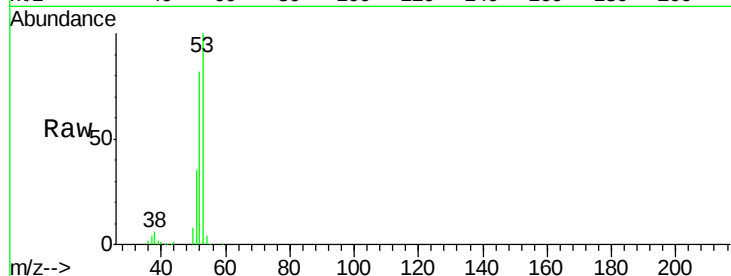
ClientSampleId :

VU0904MBSD01

Tot Ion:	53	Resp:	250100
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.7	98.5
51	34.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 82.075 ug/l

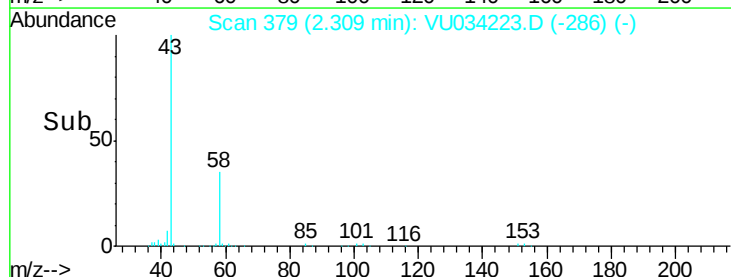
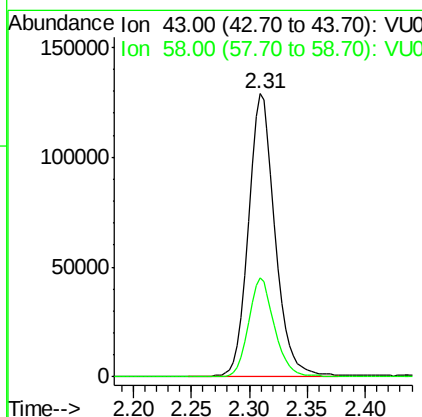
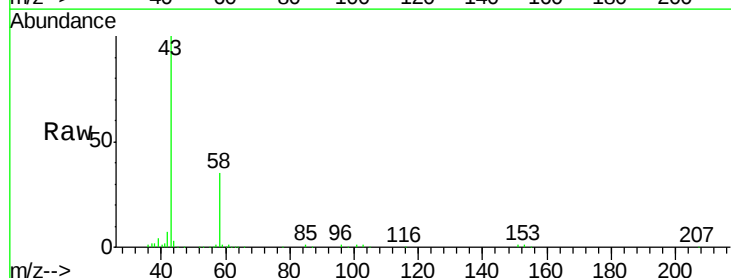
RT: 2.31 min Scan# 379

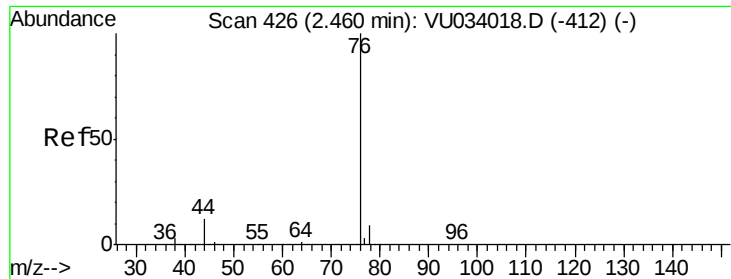
Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	43	Resp:	205861
Ion	Ratio	Lower	Upper
43	100		
58	34.9	26.8	40.2





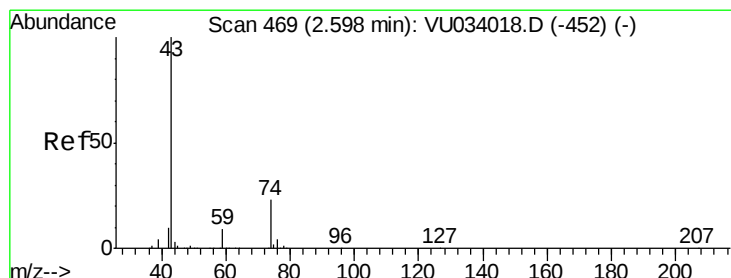
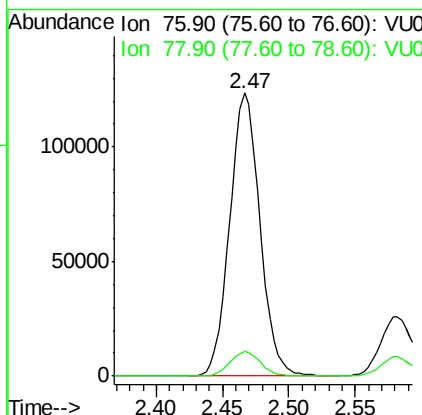
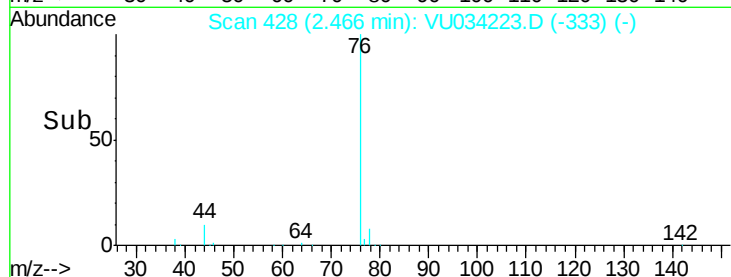
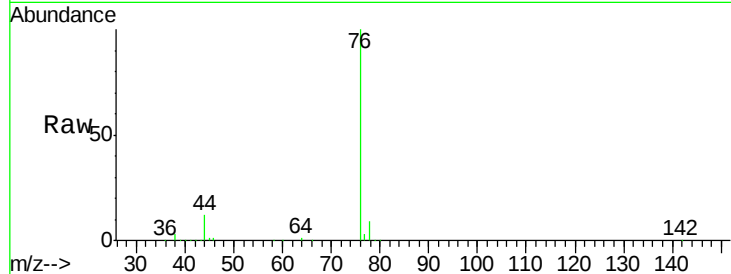
#17
Carbon Disulfide
Concen: 16.125 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

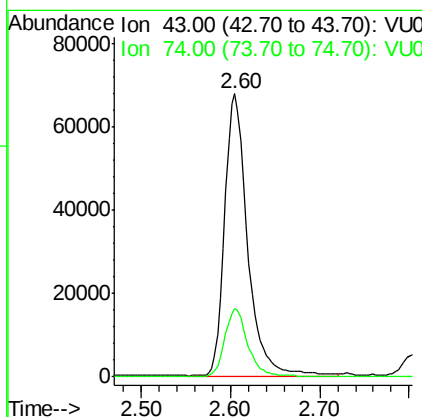
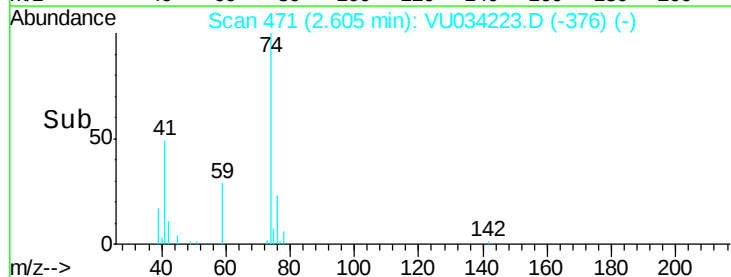
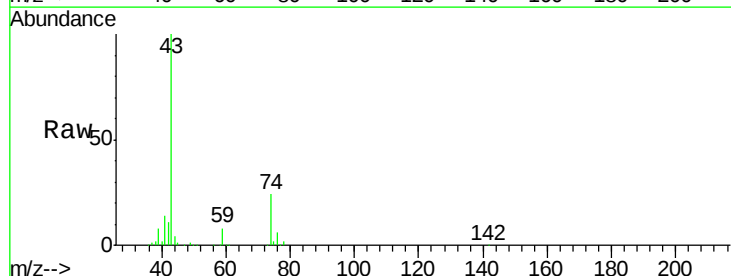
Manual Integrations
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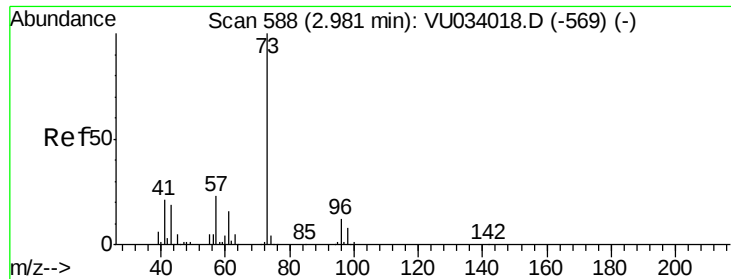
MMDadoda
9/4/2019 4:57:54 PM



#18
Methyl Acetate
Concen: 18.665 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





#19

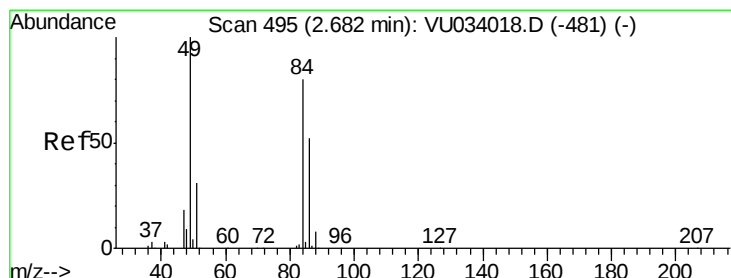
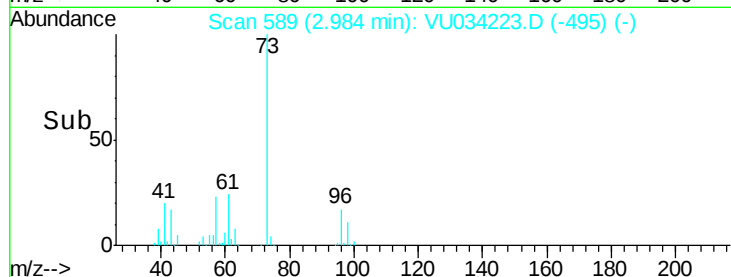
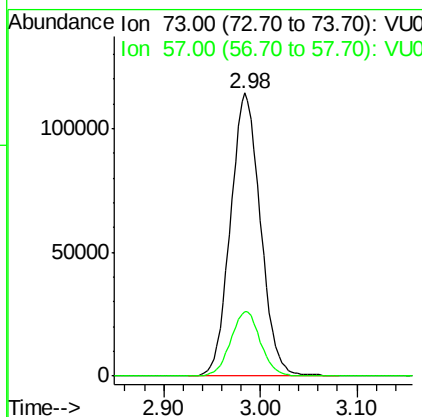
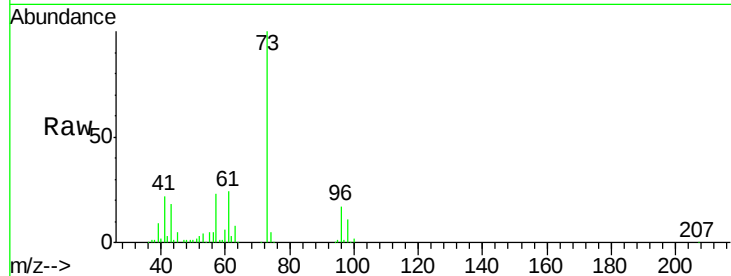
Methyl tert-butyl Ether
 Concen: 19.601 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

Manual Integrations
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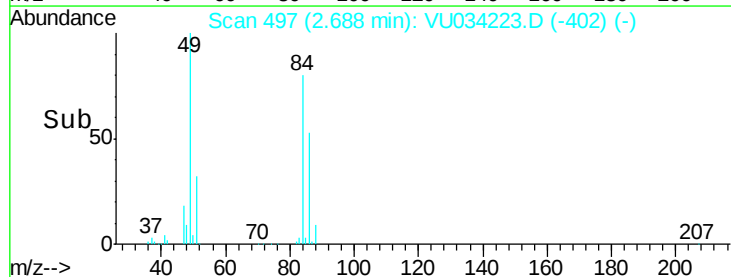
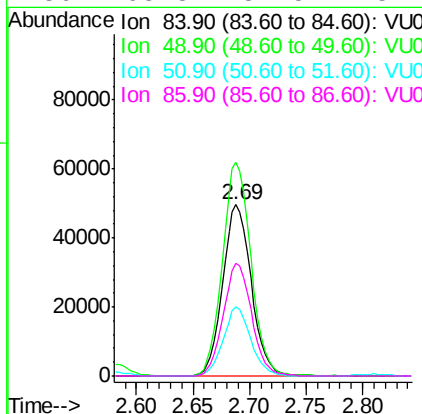
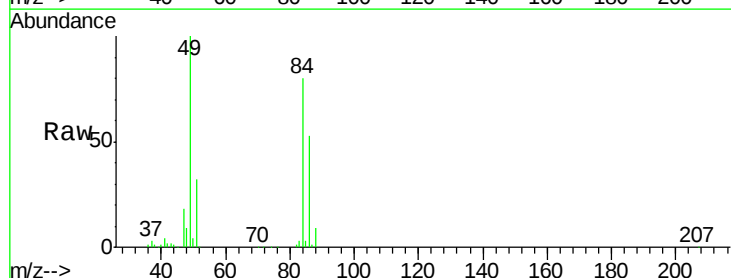
MMDadoda
 9/4/2019 4:57:54 PM

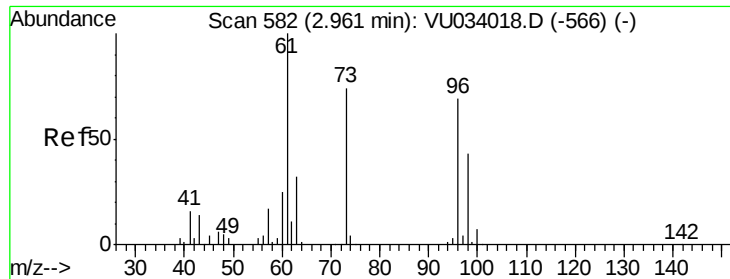


#20

Methylene Chloride
 Concen: 18.407 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	100.2	150.4
51	40.5	30.8	46.2
86	65.8	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.377 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

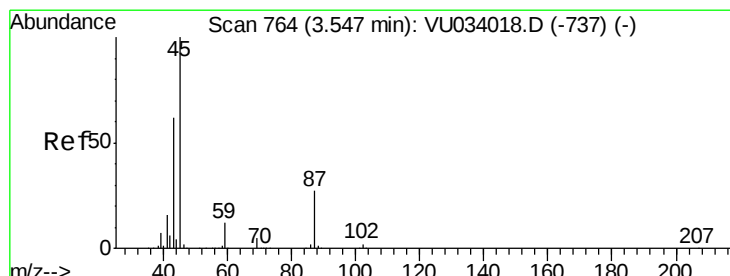
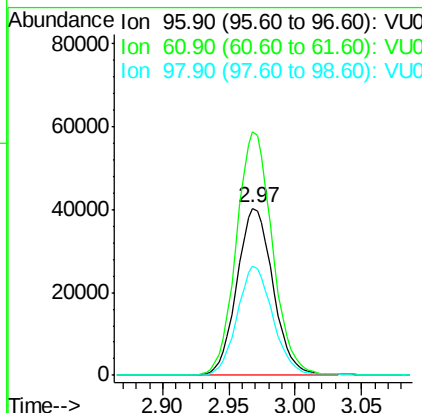
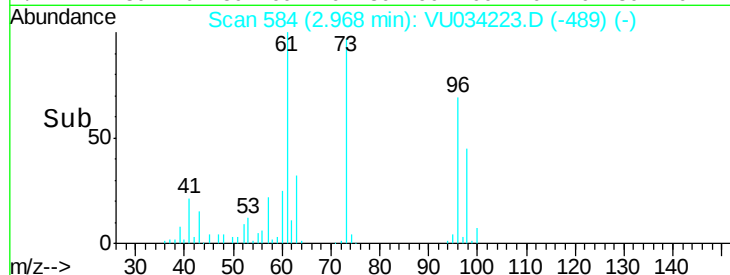
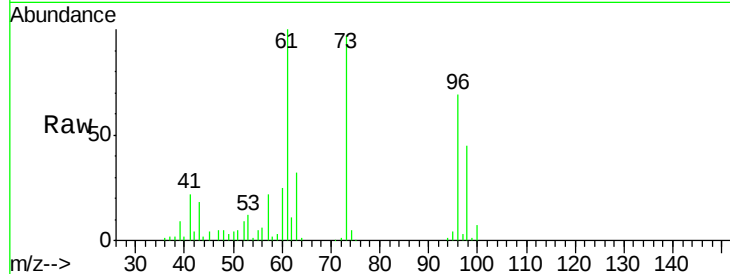
ClientSampleId :

VU0904MBSD01

Tot Ion:	96	Resp:	76598
Ion	Ratio	Lower	Upper
96	100		
61	145.9	115.5	173.3
98	65.6	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.661 ug/l

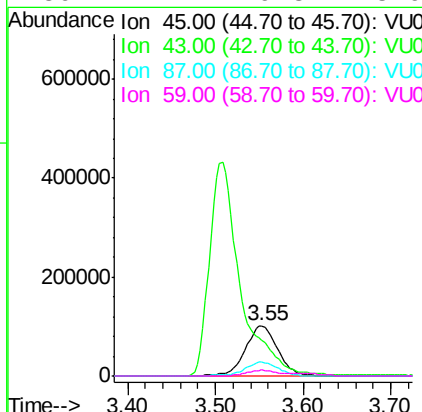
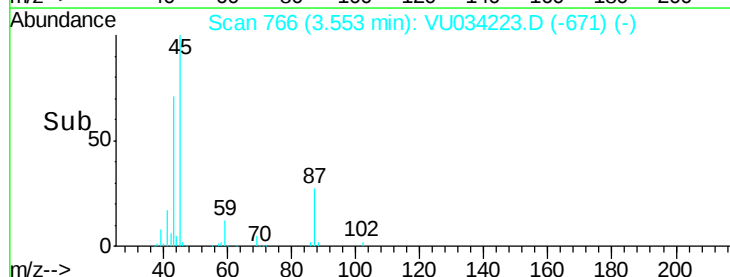
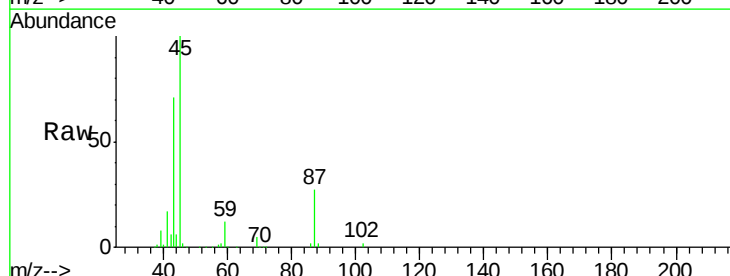
RT: 3.55 min Scan# 766

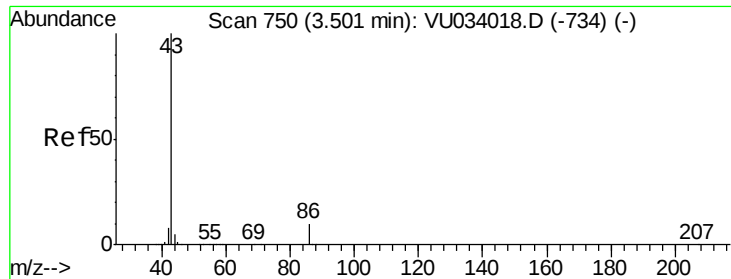
Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	45	Resp:	260151
Ion	Ratio	Lower	Upper
45	100		
43	70.5	49.7	74.5
87	27.4	21.8	32.8
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 94.009 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 43 Resp: 1068549

Ion Ratio Lower Upper

43 100

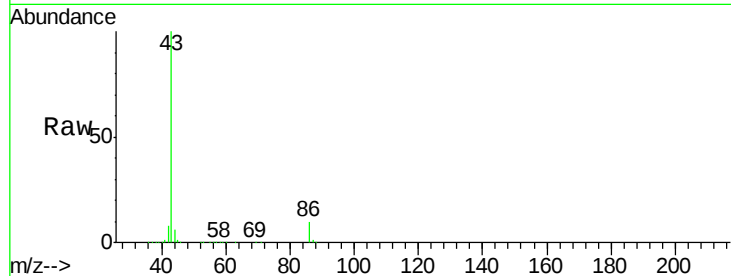
86 10.3 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.51

400000

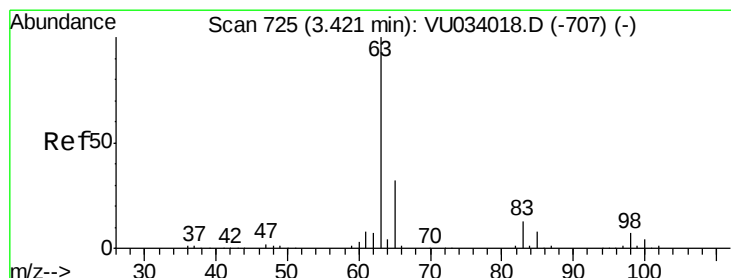
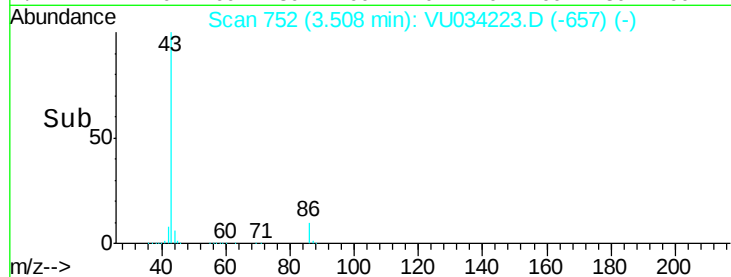
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.352 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

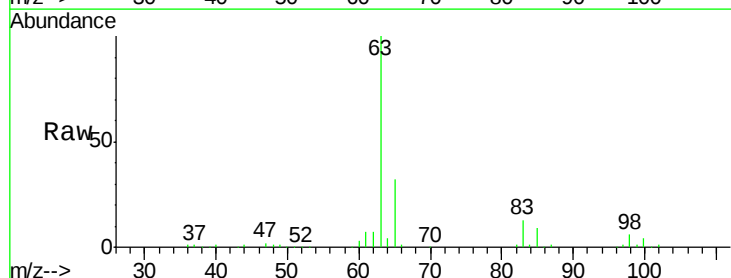
Tgt Ion: 63 Resp: 151179

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.43

80000

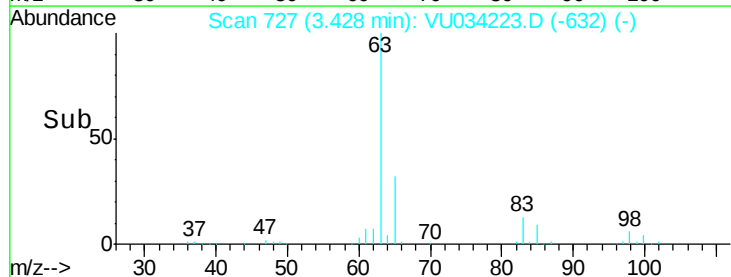
60000

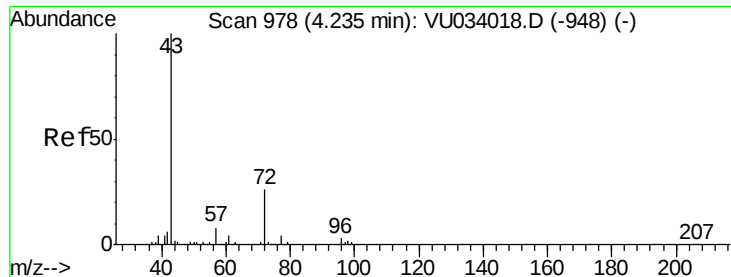
40000

20000

0

Time-->





#25

2-Butanone

Concen: 90.762 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 43 Resp: 316718

Ion Ratio Lower Upper

43 100

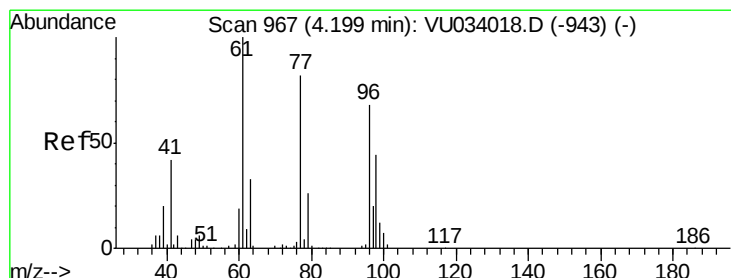
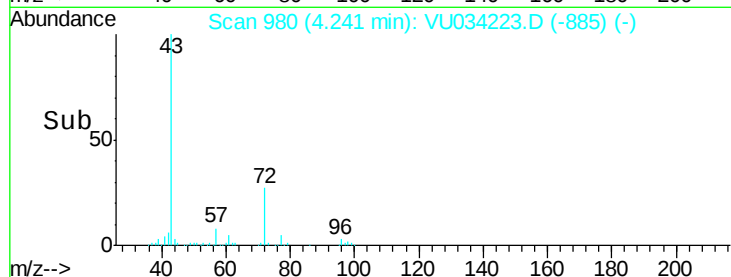
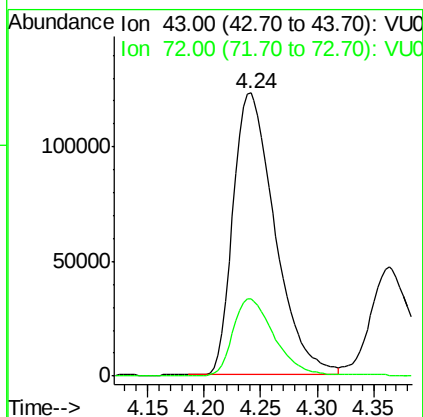
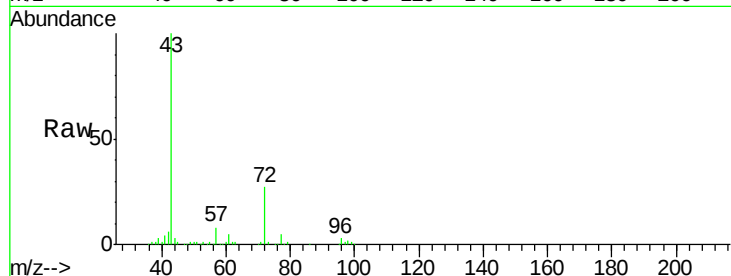
72 27.3 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 4:57:54 PM



#26

2,2-Dichloropropane

Concen: 18.021 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU034223.D

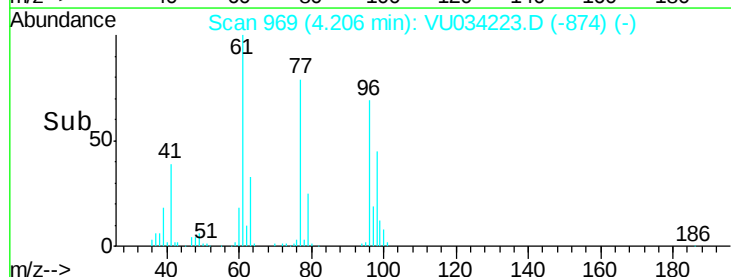
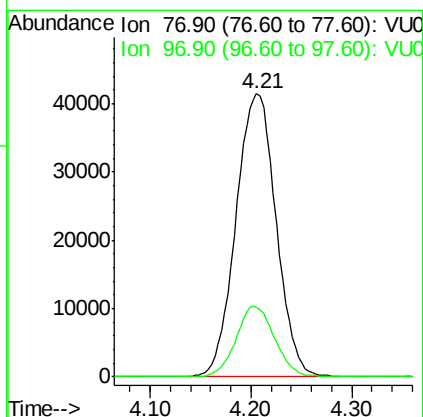
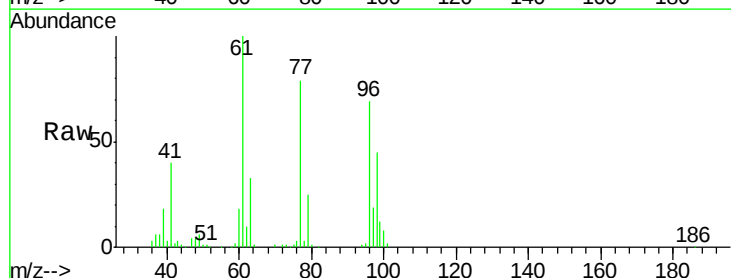
Acq: 03 Sep 2019 13:28

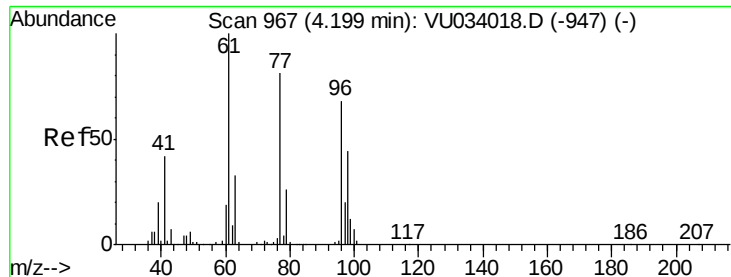
Tgt Ion: 77 Resp: 114552

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7





#27

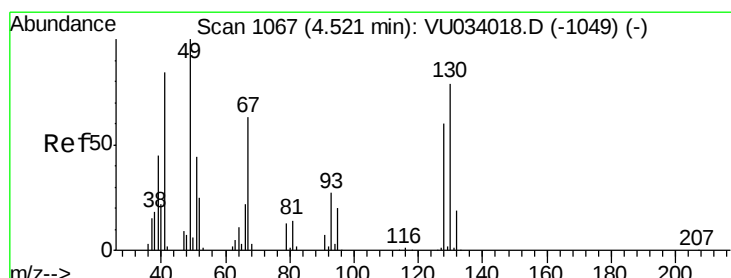
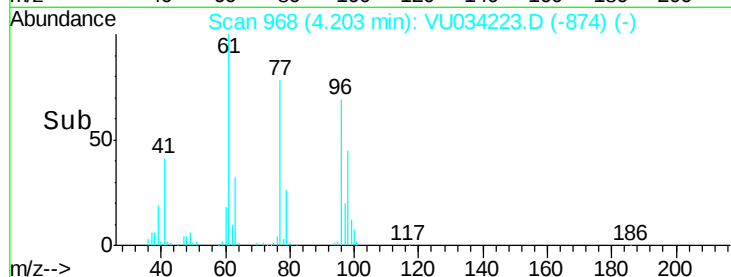
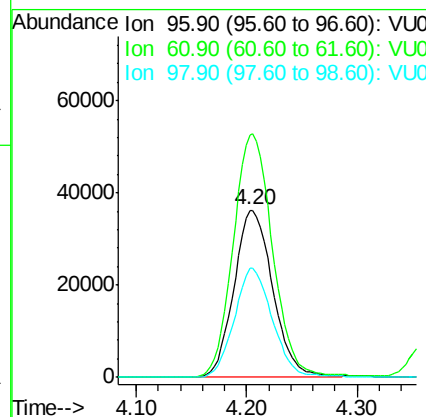
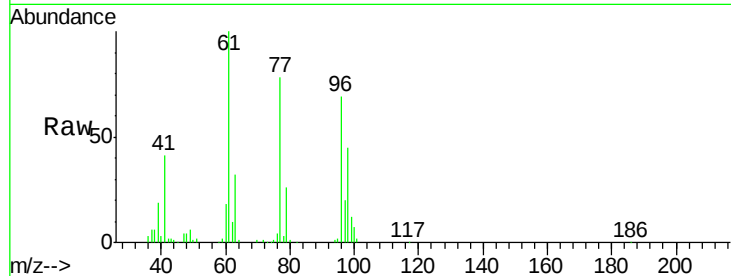
cis-1,2-Dichloroethene
Concen: 18.904 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.0
98	64.1	0.0	129.2

Manual Integrations
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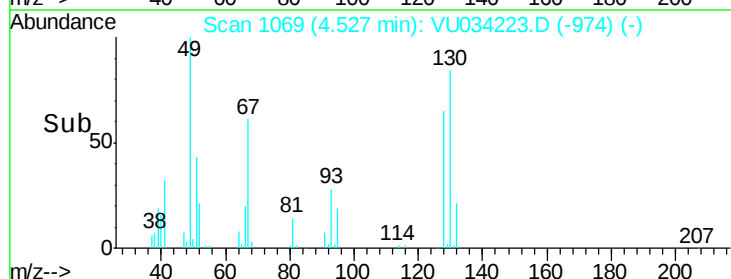
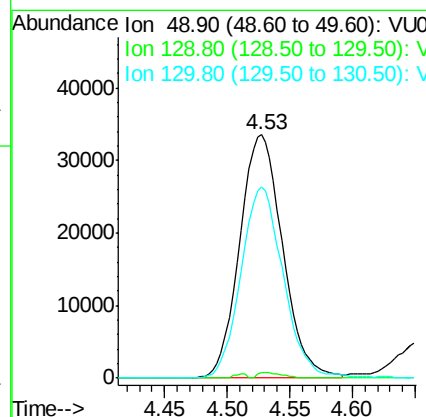
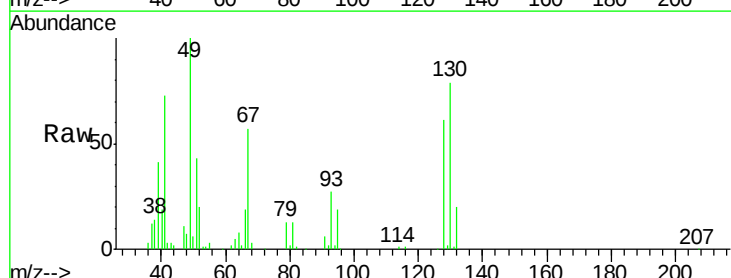
MMDadoda
9/4/2019 4:57:54 PM

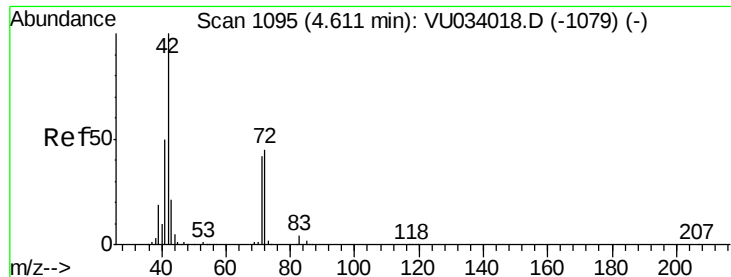


#28

Bromochloromethane
Concen: 20.768 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	77.4	62.8	94.2





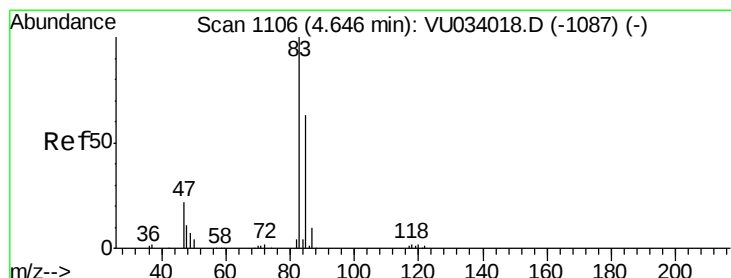
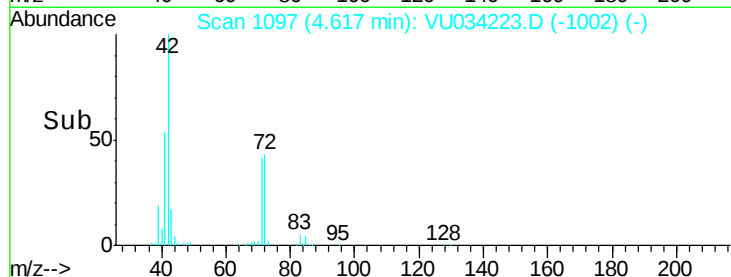
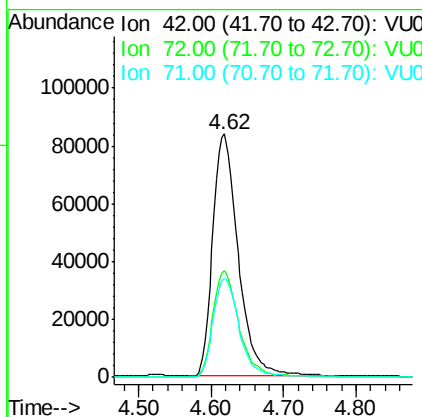
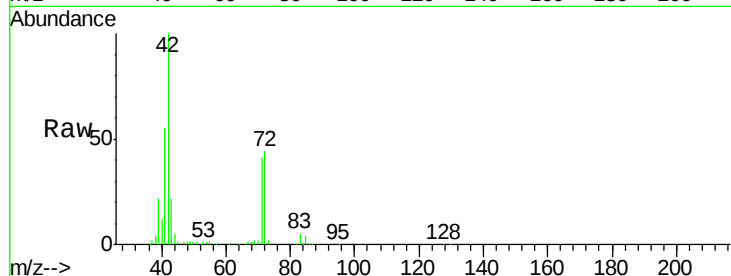
#29
Tetrahydrofuran
Concen: 95.431 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.8	53.6
71	40.9	34.0	51.0

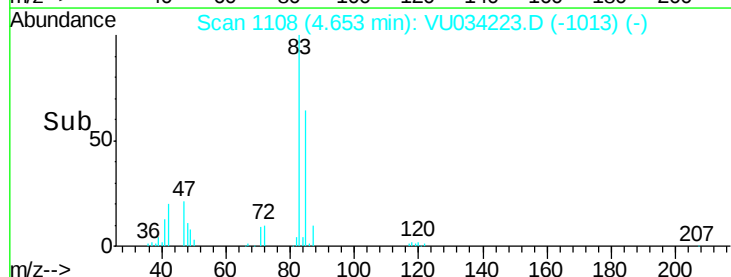
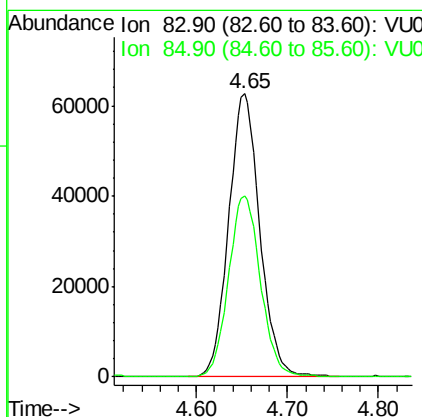
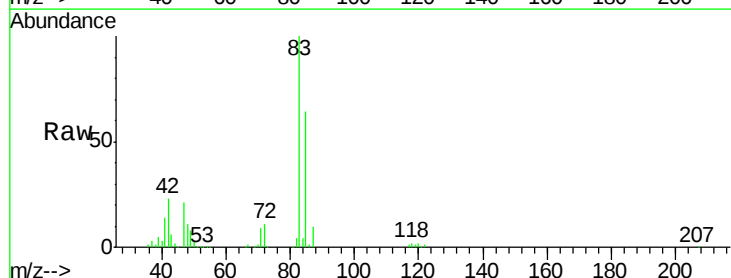
Manual Integrations
APPROVED

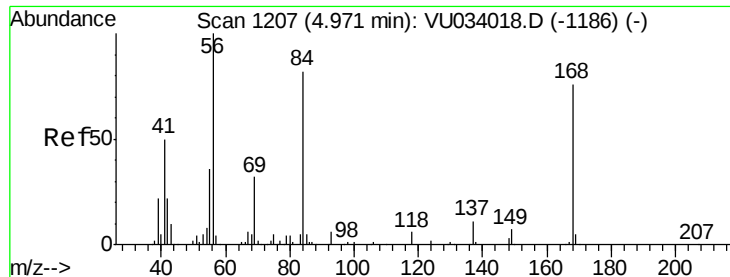
MMDadoda
9/4/2019 4:57:54 PM



#30
Chloroform
Concen: 19.139 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1





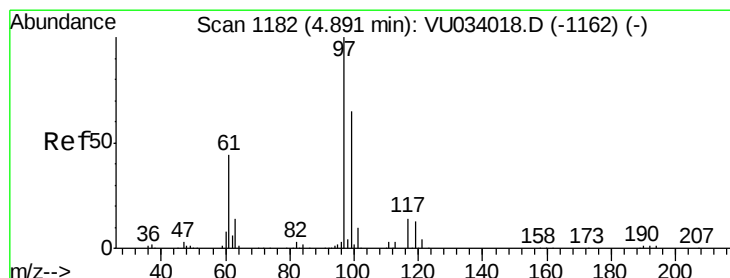
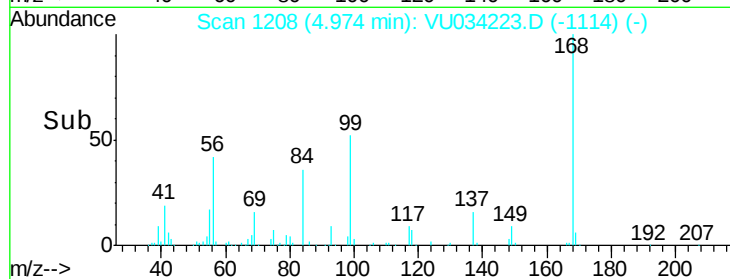
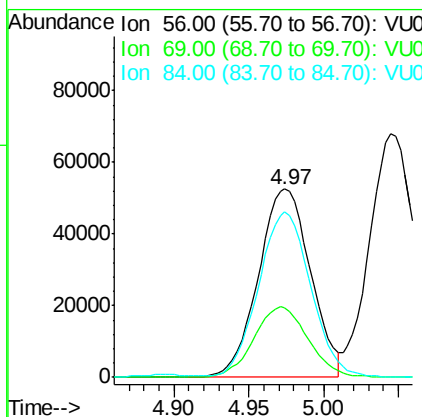
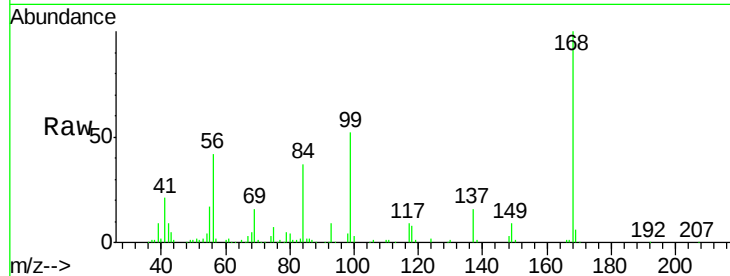
#31
Cyclohexane
Concen: 17.350 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	127355		
69	37.3	25.4	38.0	
84	87.3	65.8	98.8	

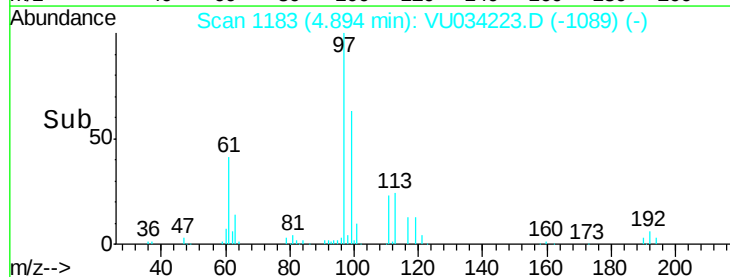
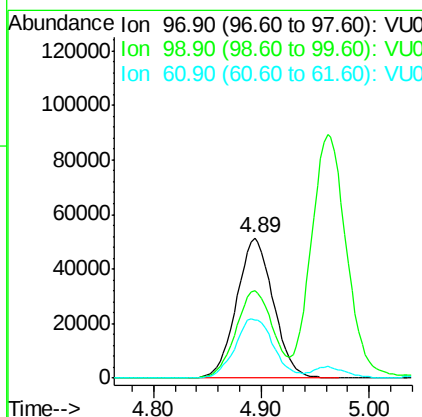
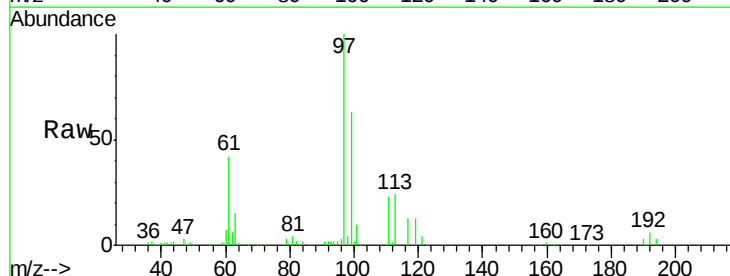
Manual Integrations
APPROVED

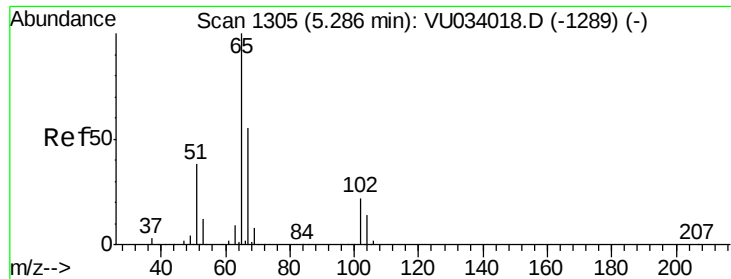
MMDadoda
9/4/2019 4:57:54 PM



#32
1,1,1-Trichloroethane
Concen: 19.089 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	121853		
99	63.3	51.8	77.6	
61	44.6	35.3	52.9	





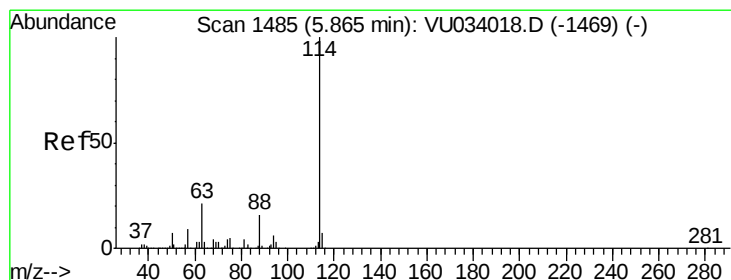
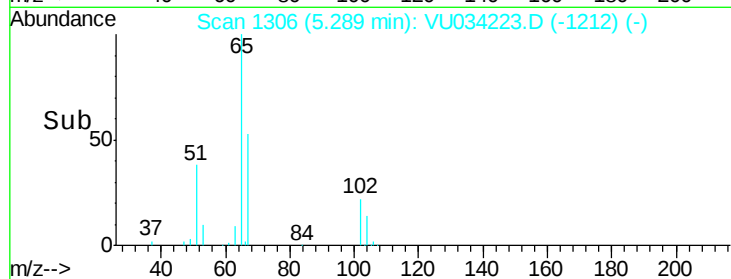
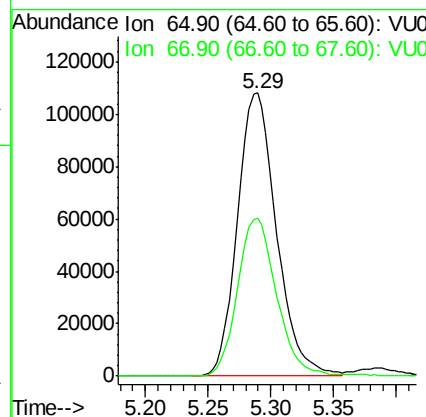
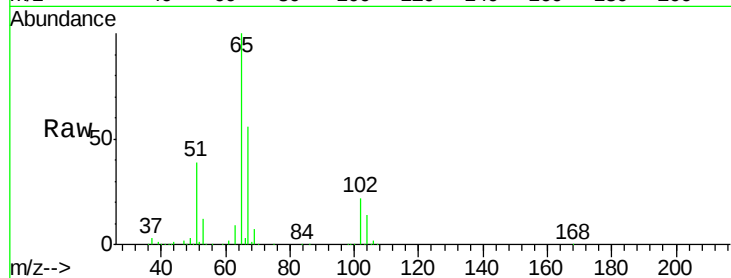
#33
 1,2-Dichloroethane-d4
 Concen: 47.624 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234103		
67	56.2	0.0	110.6	

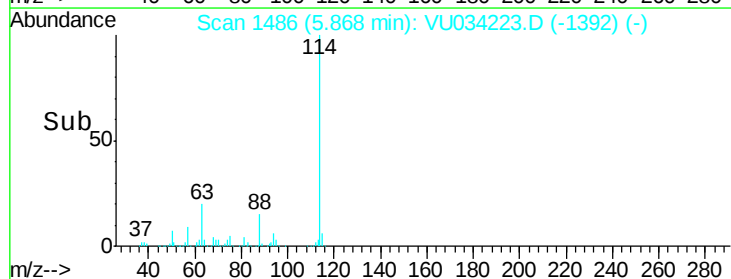
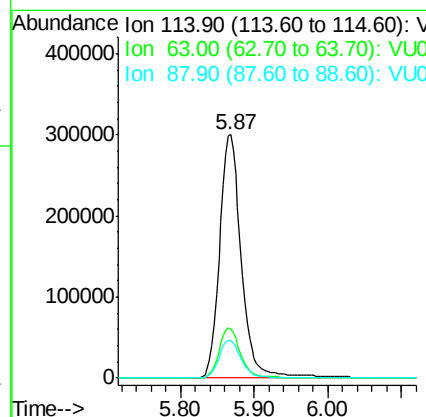
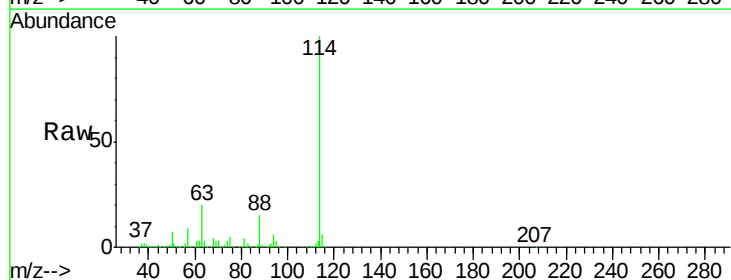
Manual Integrations
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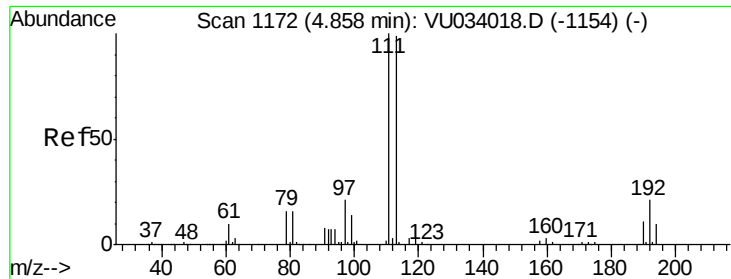
MMDadoda
 9/4/2019 4:57:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615554		
63	20.4	0.0	42.0	
88	15.3	0.0	32.0	





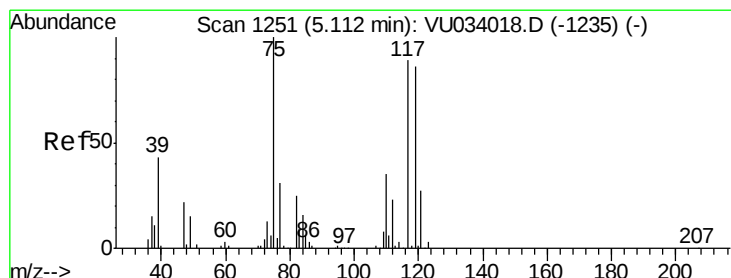
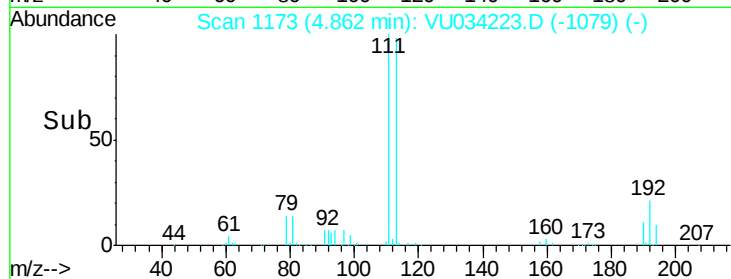
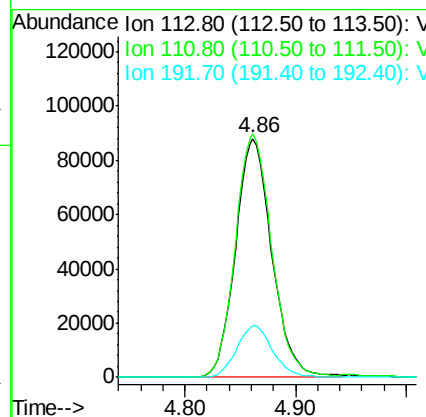
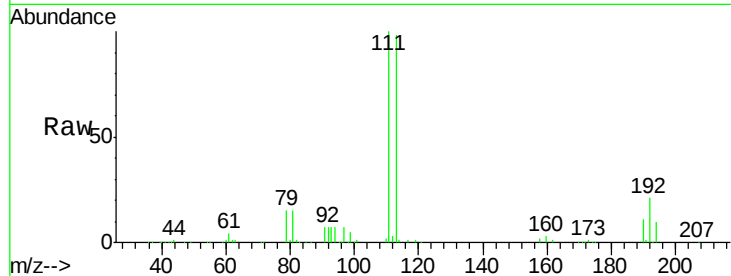
#35
 Dibromofluoromethane
 Concen: 46.957 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200479		
111	102.2		81.7	122.5
192	21.6		17.1	25.7

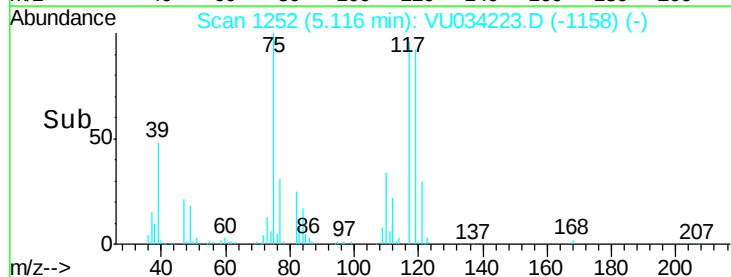
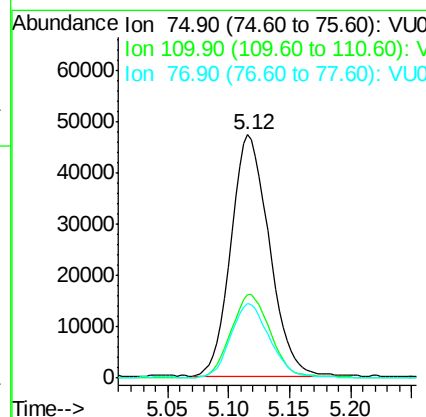
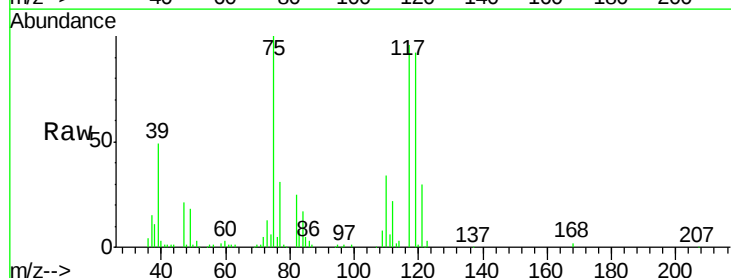
Manual Integrations
 APPROVED

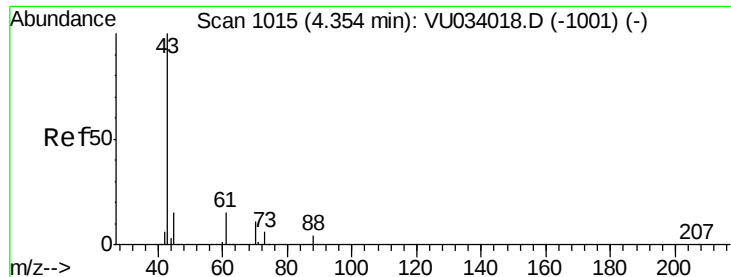
MMDadoda
 9/4/2019 4:57:54 PM



#36
 1,1-Dichloropropene
 Concen: 17.767 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103444		
110	35.7		17.8	53.5
77	31.6		25.0	37.4





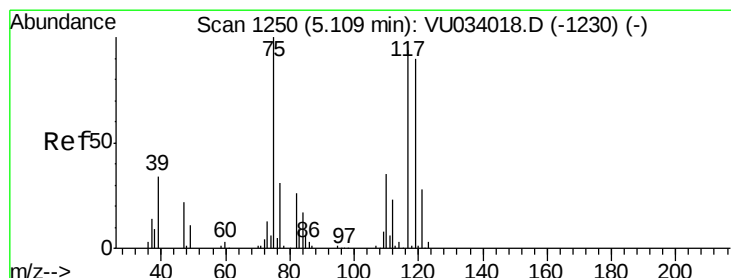
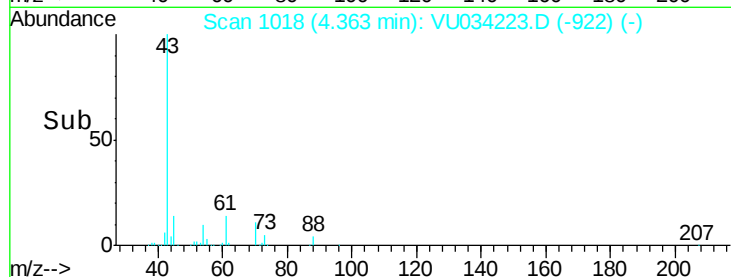
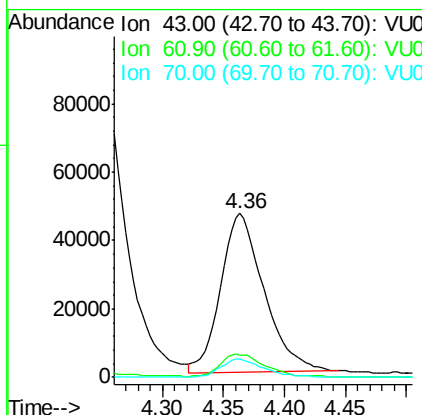
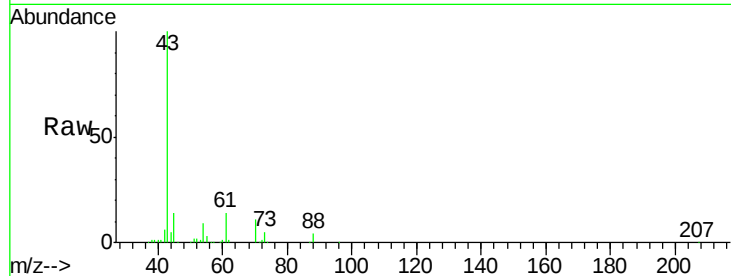
#37
Ethyl Acetate
Concen: 17.715 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.7	8.6	12.8

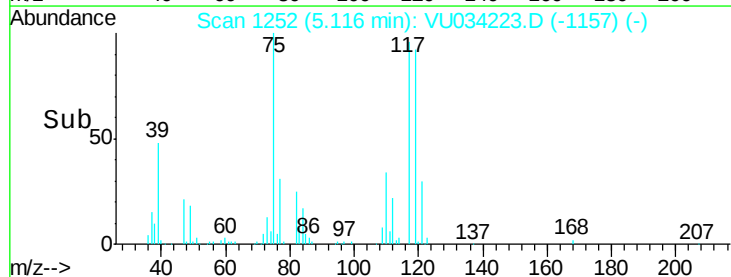
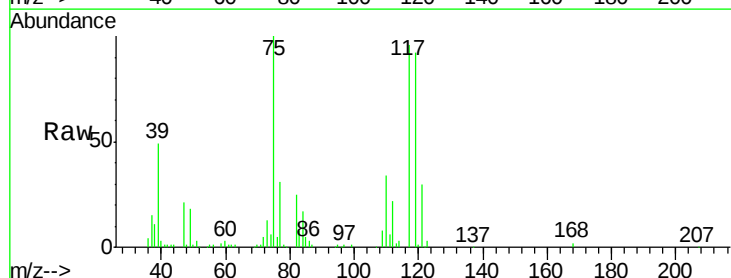
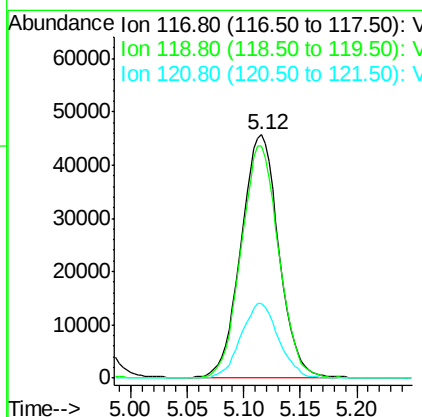
Manual Integrations
APPROVED

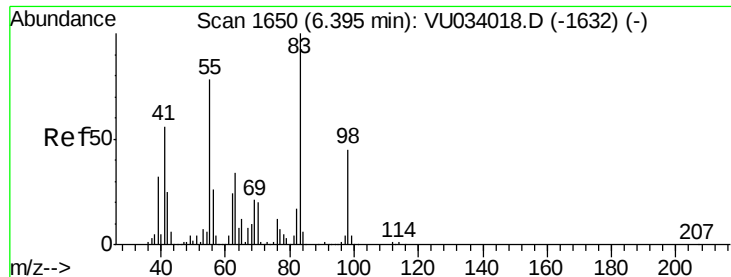
MMDadoda
9/4/2019 4:57:54 PM



#38
Carbon Tetrachloride
Concen: 18.737 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.4
121	30.9	23.9	35.9





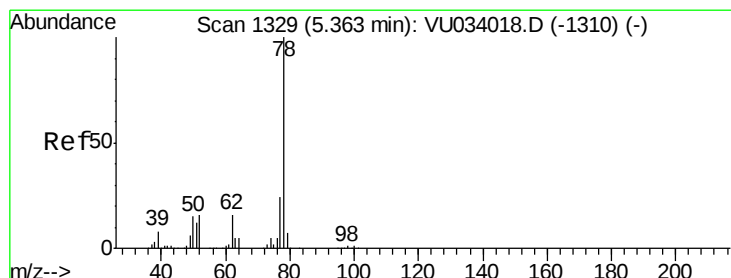
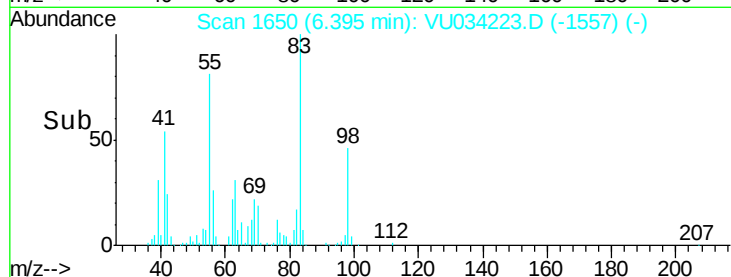
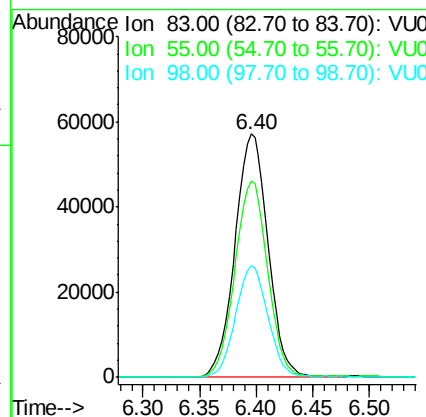
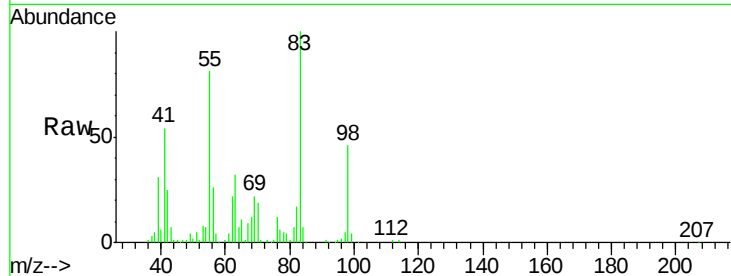
#39
Methvlcvclohexane
Concen: 17.014 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.6	62.3	93.5	
98	45.7	36.2	54.2	

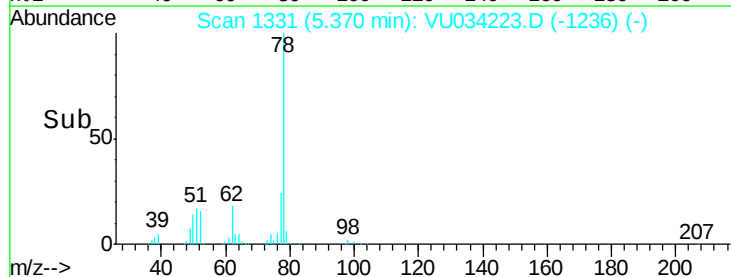
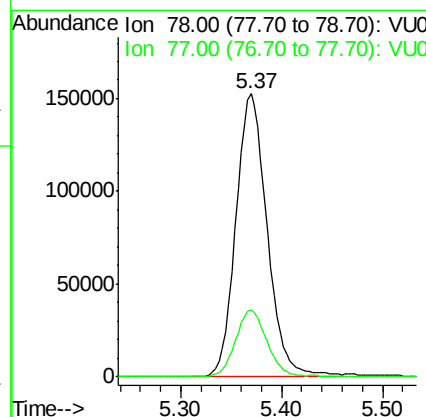
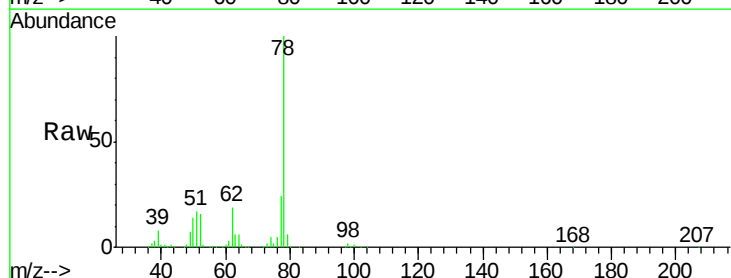
Manual Integrations
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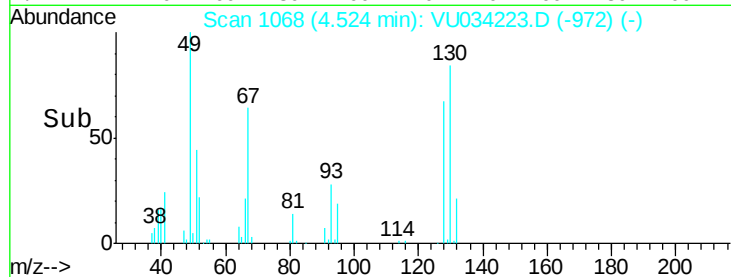
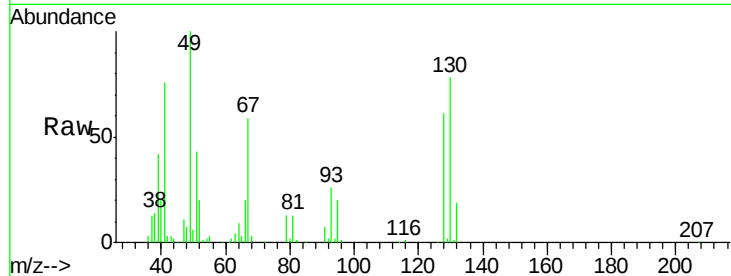
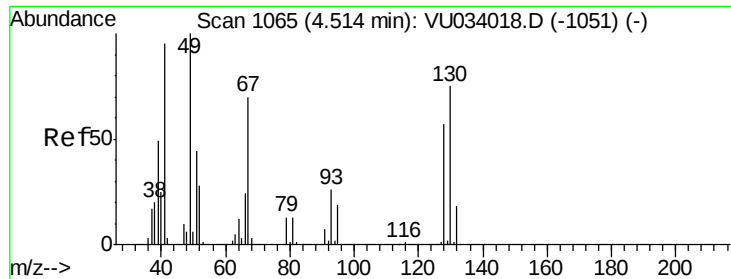
MMDadoda
9/4/2019 4:57:54 PM



#40
Benzene
Concen: 18.670 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.6	





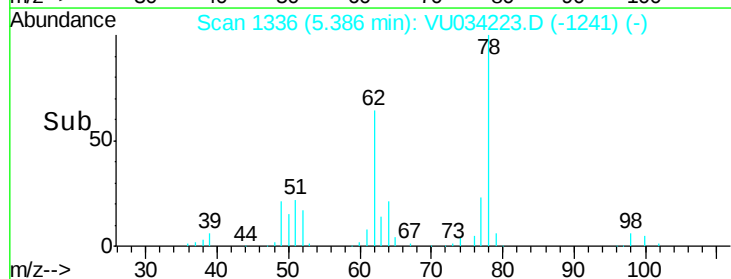
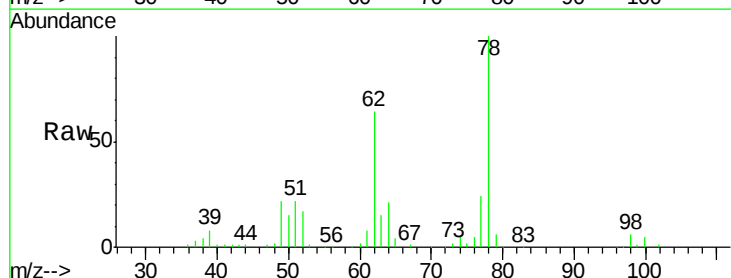
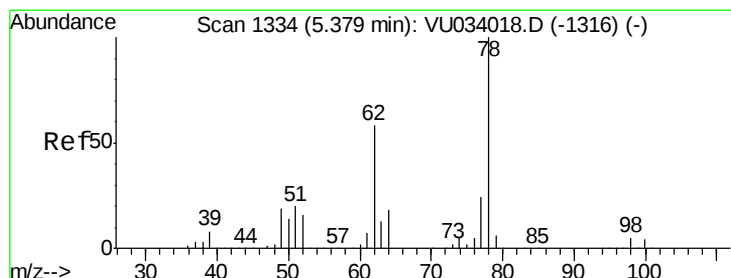
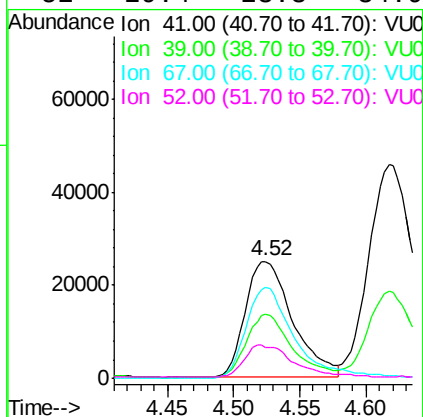
#41
Methacrylonitrile
Concen: 18.703 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tot Ion	41	Resp	62538
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.1	63.1
67	79.9	61.0	91.4
52	29.4	23.3	34.9

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

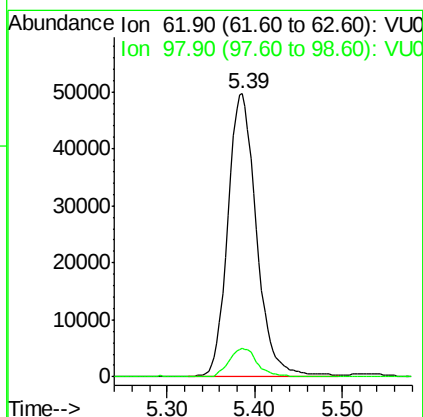
Manual Integrations
APPROVED

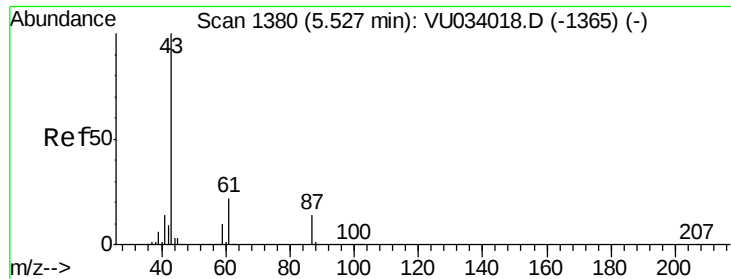
MMDadoda
9/4/2019 4:57:54 PM



#42
1,2-Dichloroethane
Concen: 18.660 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	62	Resp	113509
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 18.160 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

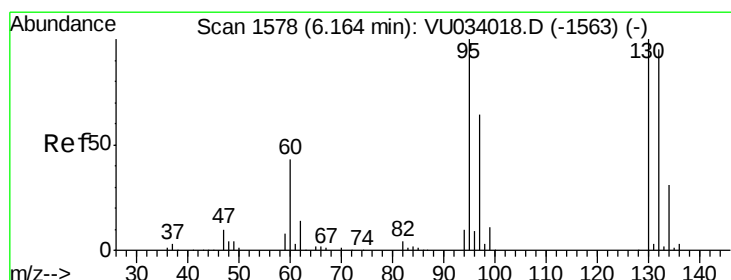
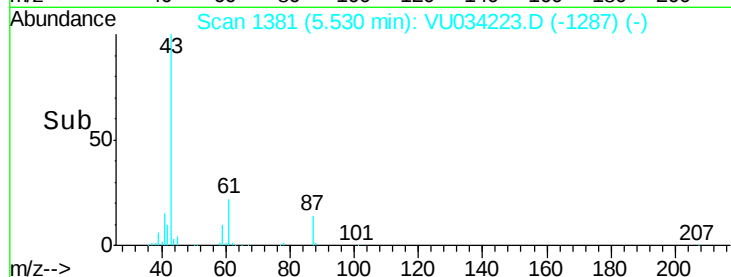
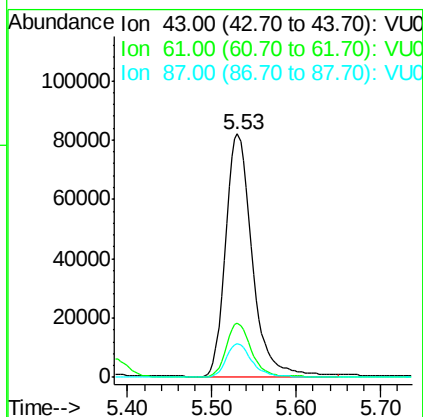
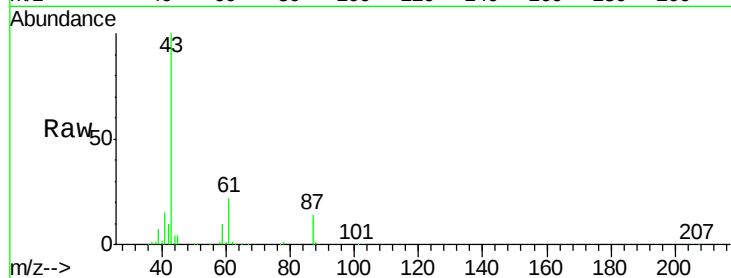
ClientSampleId :

VU0904MBSD01

Tot Ion:	43	Resp:	180132
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.2	25.8
87	13.4	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 18.974 ug/l

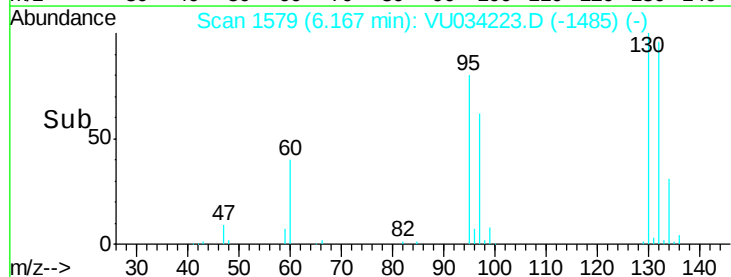
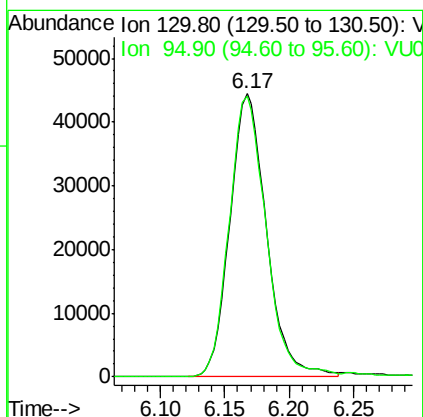
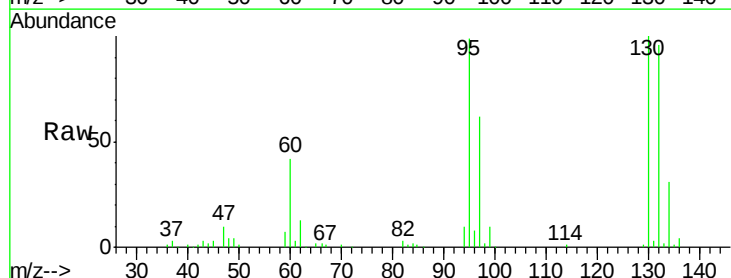
RT: 6.17 min Scan# 1579

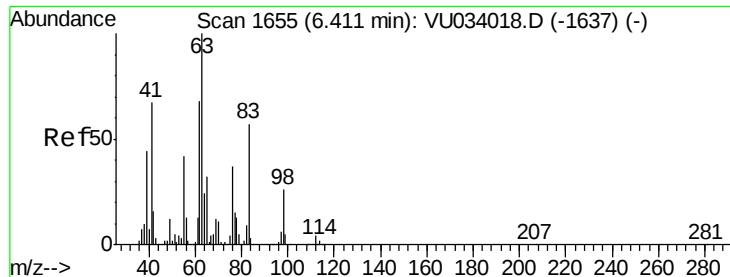
Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	130	Resp:	87771
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.278 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleID :

VU0904MBSD01

Tot Ion: 63 Resp: 93483

Ion Ratio Lower Upper

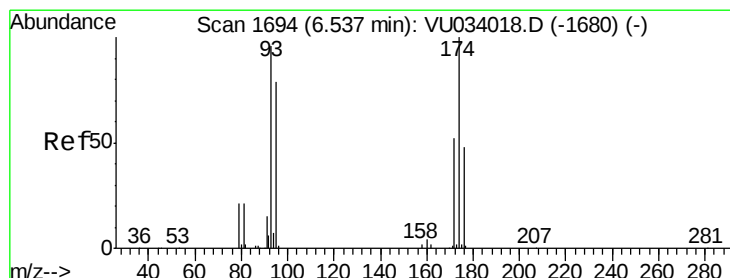
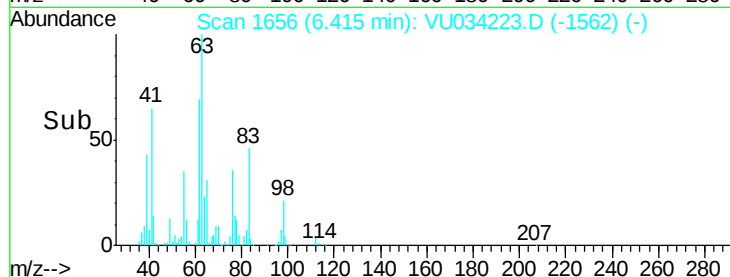
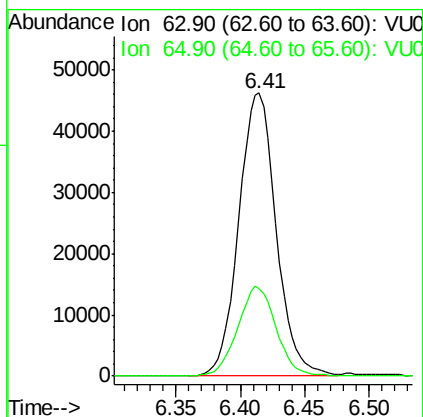
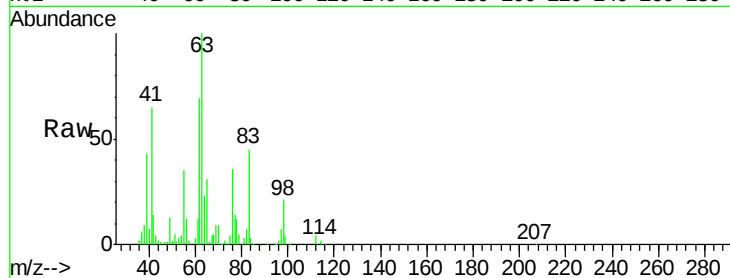
63 100

65 31.0 25.4 38.2

Manual Integrations
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#46

Dibromomethane

Concen: 18.367 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

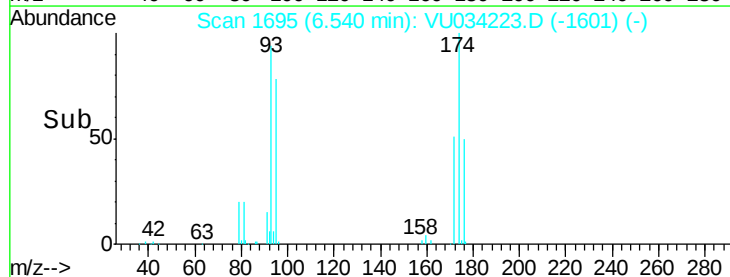
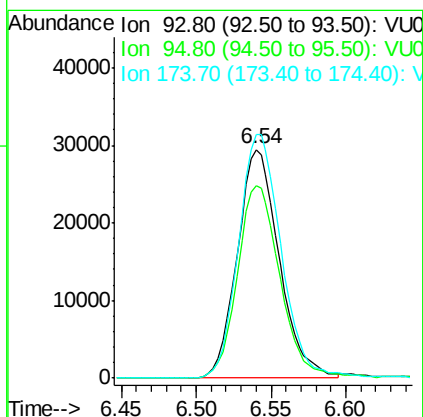
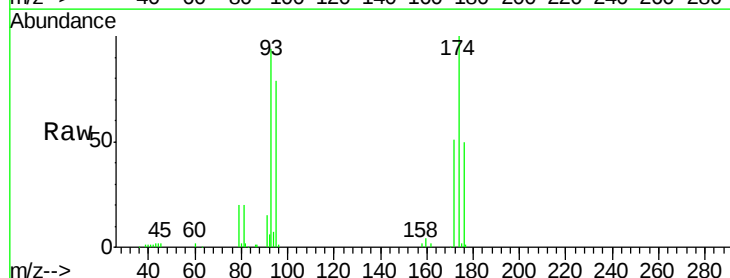
Tgt Ion: 93 Resp: 57382

Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

174 108.6 84.9 127.3





#47

Bromodichloromethane

Concen: 18.899 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

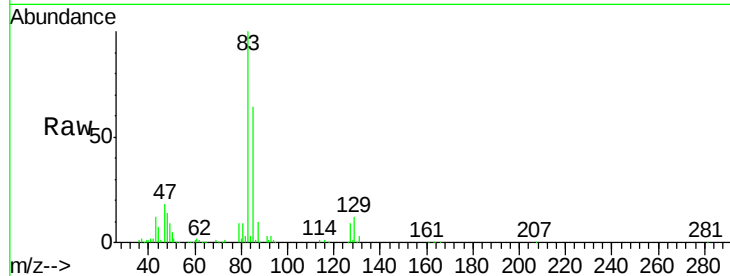
ClientSampleId :

VU0904MBSD01

Tot Ion:	83	Resp:	115519
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	8.9	7.0	10.6

Manual Integrations
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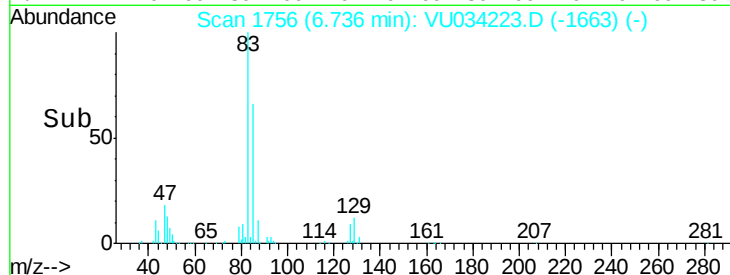


Abundance Ion 82.90 (82.60 to 83.60): VU034223.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034223.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034223.D (-1663) (-)

Time-->



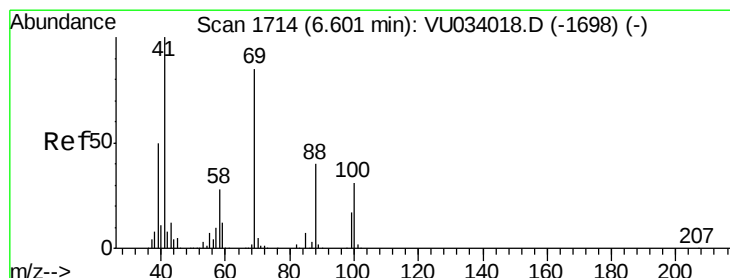
Abundance

Ion 82.90 (82.60 to 83.60): VU034223.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034223.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034223.D (-1663) (-)

Time-->



#48

Methyl methacrylate

Concen: 17.493 ug/l

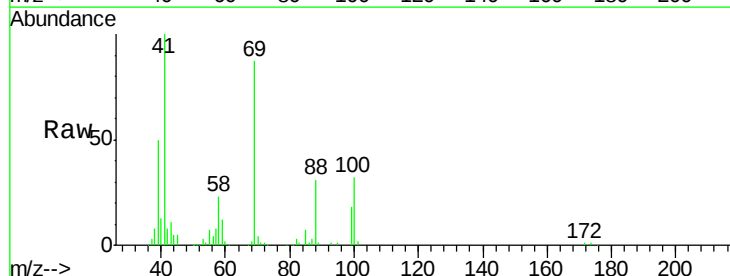
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	41	Resp:	83729
Ion	Ratio	Lower	Upper
41	100		
69	89.2	69.5	104.3
39	48.8	40.3	60.5

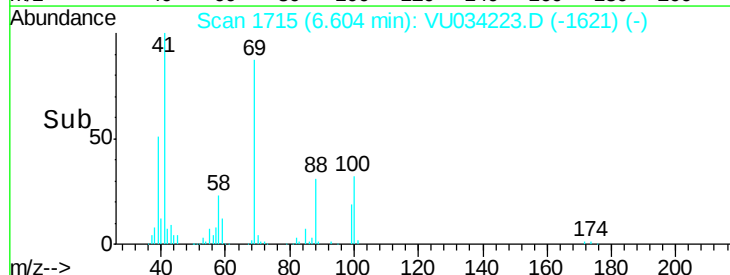


Abundance Ion 41.00 (40.70 to 41.70): VU034223.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034223.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034223.D (-1621) (-)

Time-->



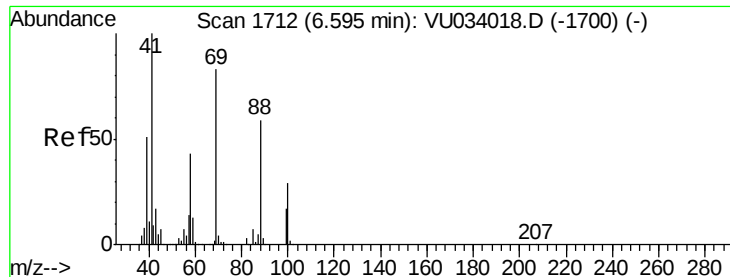
Abundance

Ion 41.00 (40.70 to 41.70): VU034223.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034223.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034223.D (-1621) (-)

Time-->



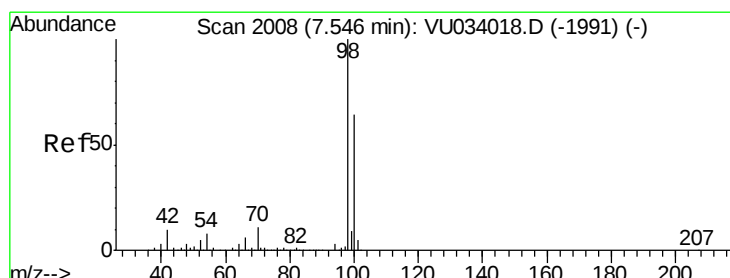
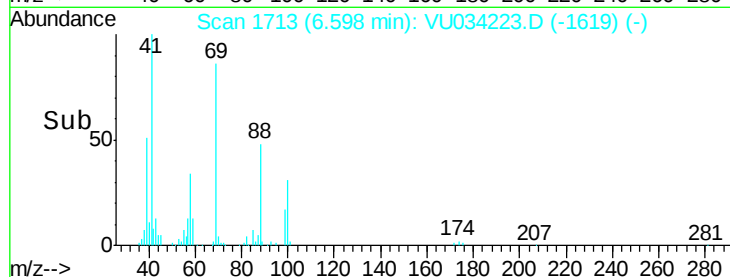
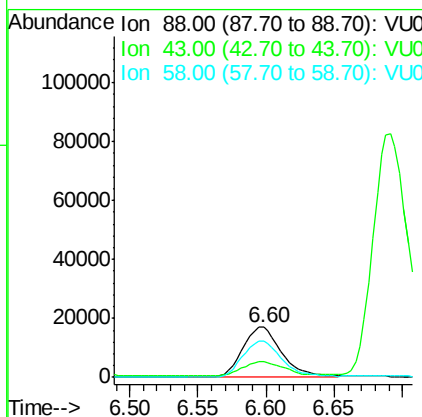
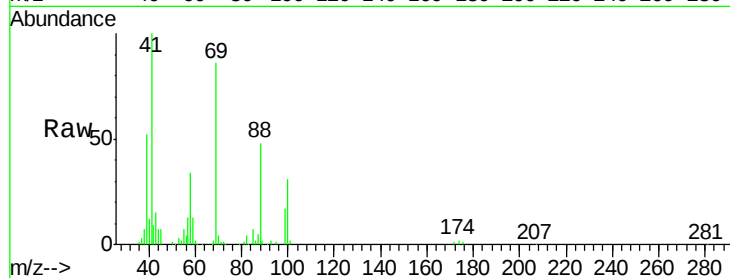
#49
1,4-Dioxane
Concen: 283.492 ug/l
RT: 6.60 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.8	37.2
58	73.3	59.3	88.9

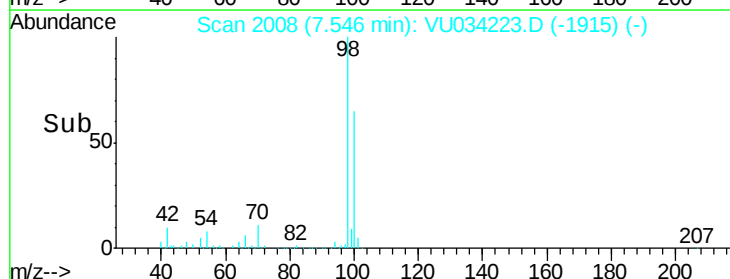
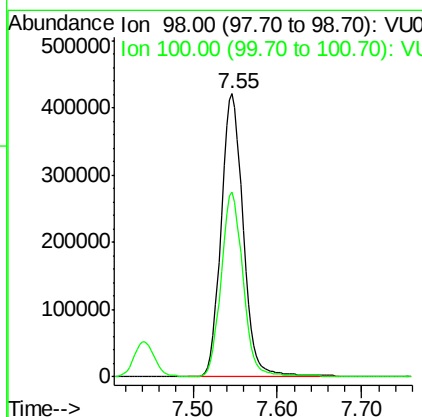
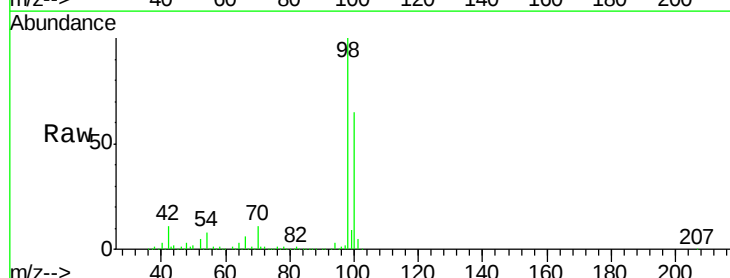
Manual Integrations
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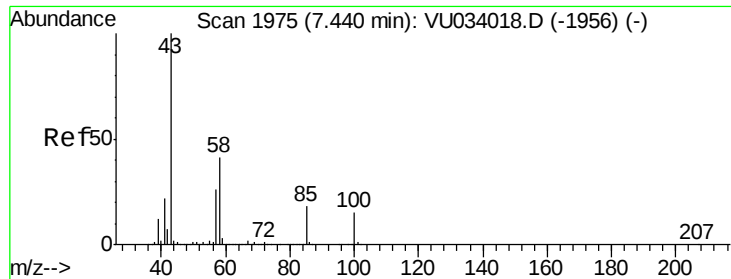
MMDadoda
9/4/2019 4:57:54 PM



#50
Toluene-d8
Concen: 48.146 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 89.606 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 43 Resp: 613825

Ion Ratio Lower Upper

43 100

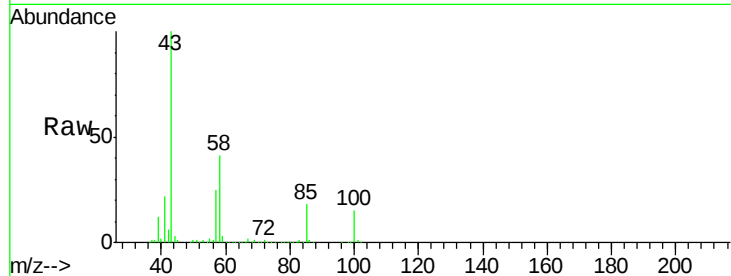
58 40.4 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.44

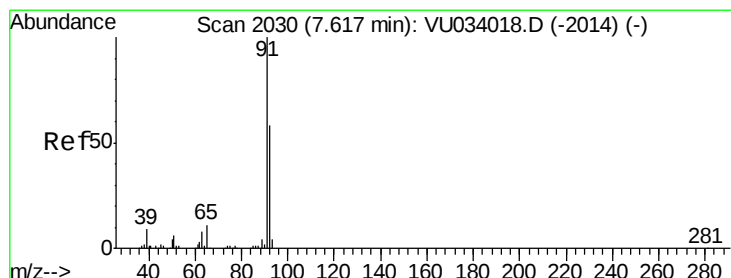
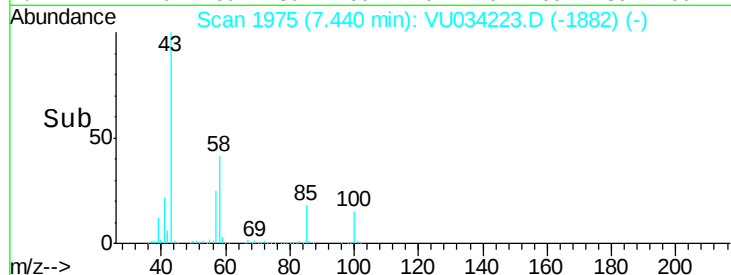
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.993 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034223.D

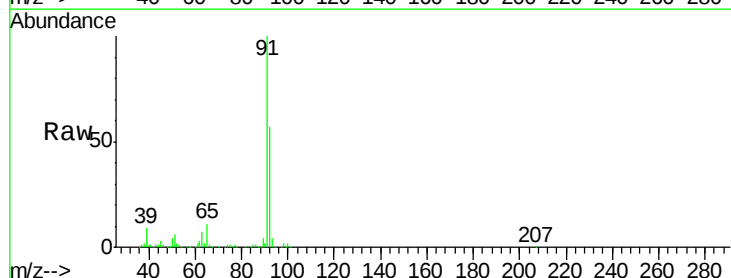
Acq: 03 Sep 2019 13:28

Tgt Ion: 92 Resp: 206103

Ion Ratio Lower Upper

92 100

91 174.9 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-1914) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-1914) (-)

7.62

200000

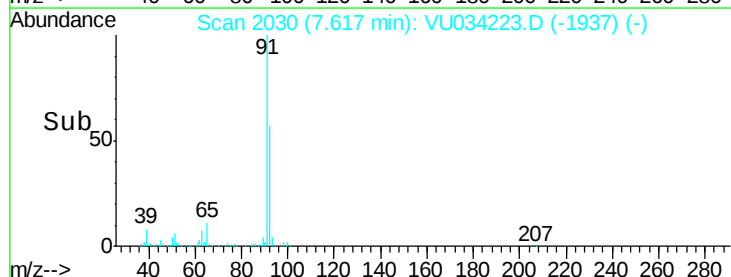
150000

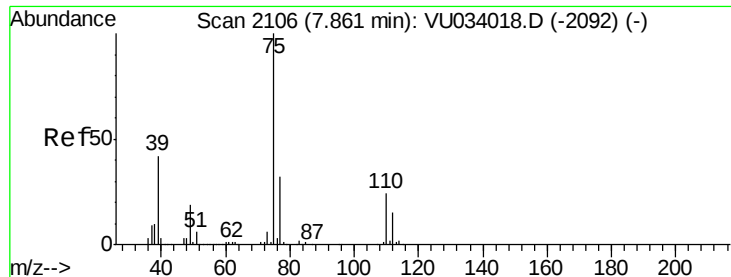
100000

50000

0

Time-->





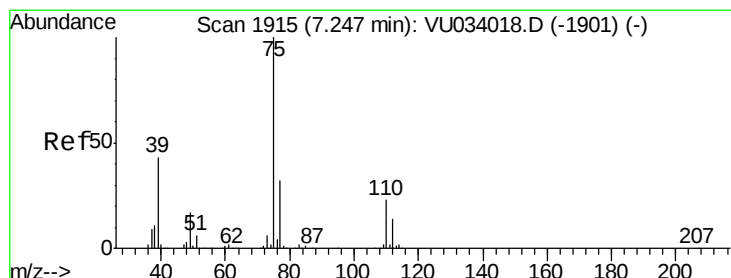
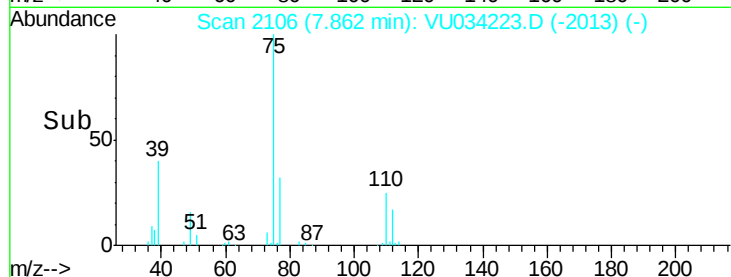
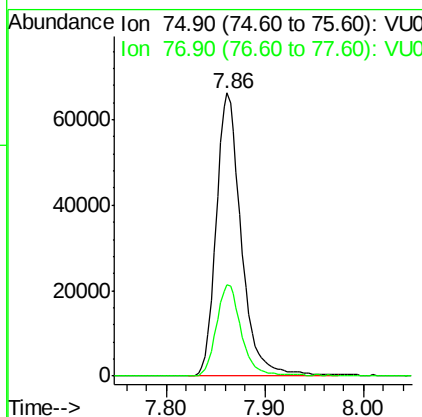
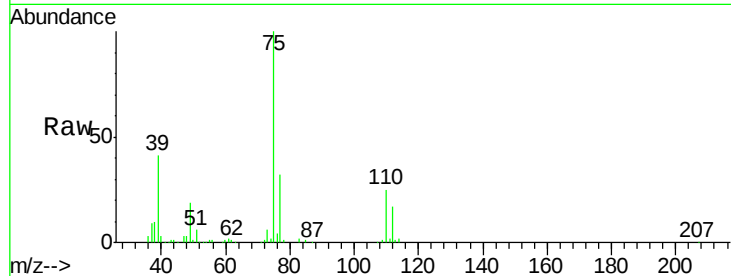
#53
t-1,3-Dichloropropene
Concen: 17.427 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

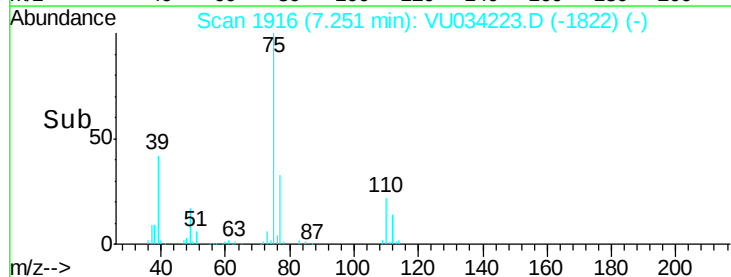
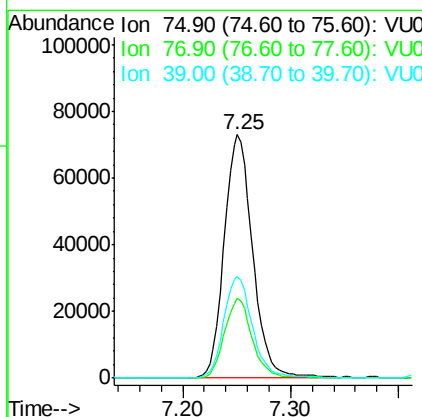
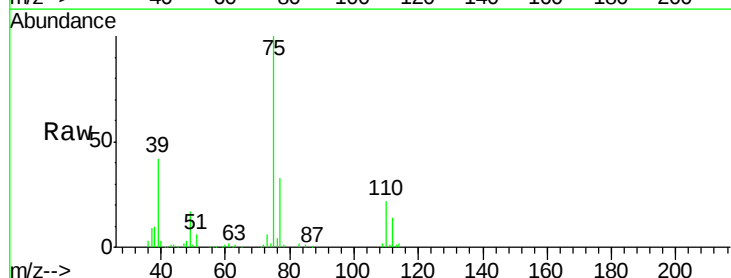
Manual Integrations
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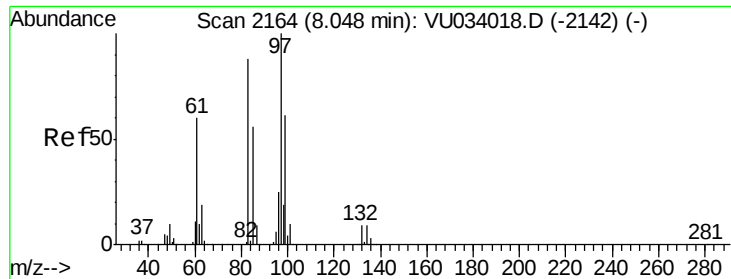
MMDadoda
9/4/2019 4:57:54 PM



#54
cis-1,3-Dichloropropene
Concen: 18.148 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	41.7	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 18.565 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

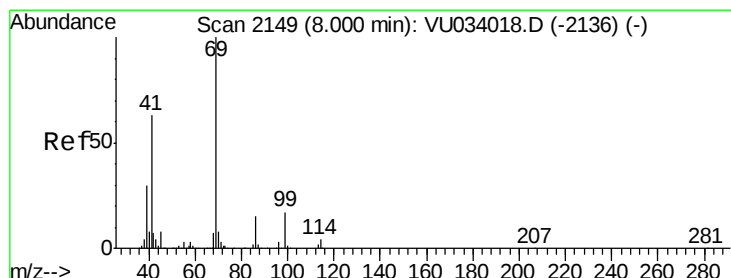
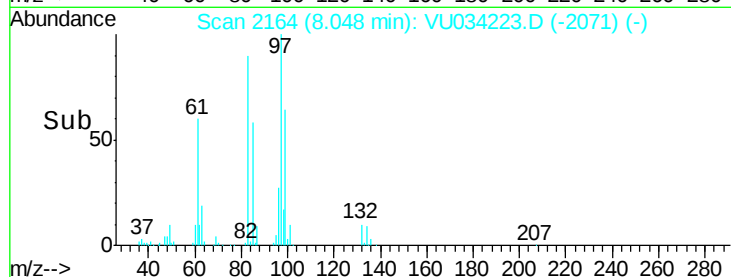
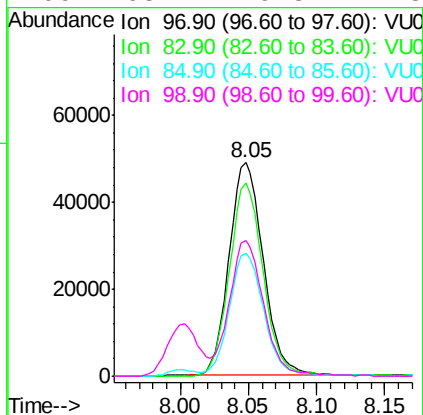
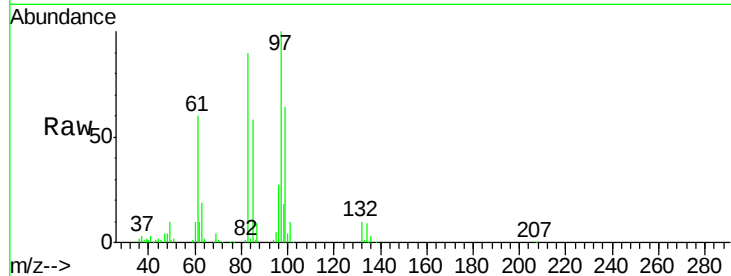
ClientSampleId :

VU0904MBSD01

Tot Ion:	97	Resp:	85218
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.1	105.1
85	57.6	45.0	67.4
99	63.2	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 16.478 ug/l

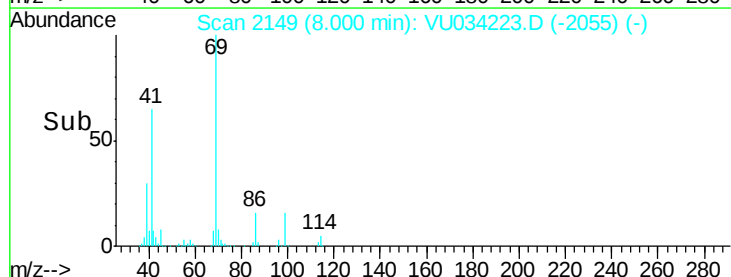
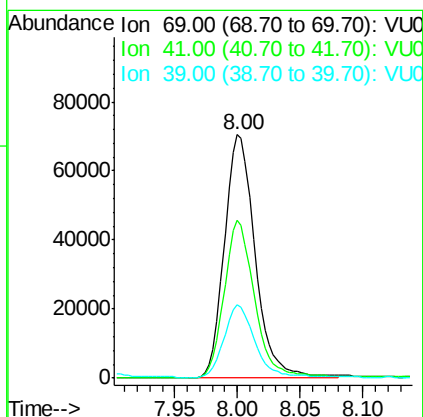
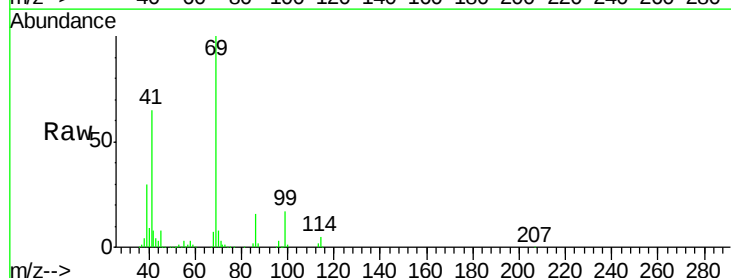
RT: 8.00 min Scan# 2149

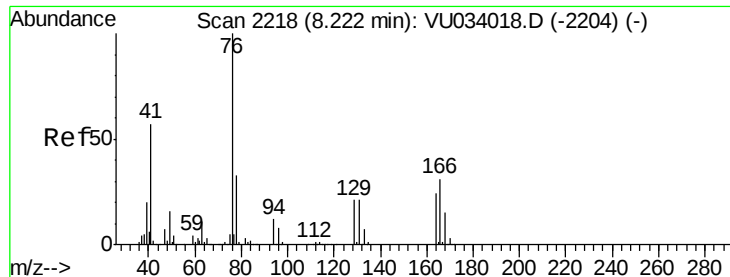
Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	69	Resp:	120405
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.7	76.1
39	29.5	24.2	36.2





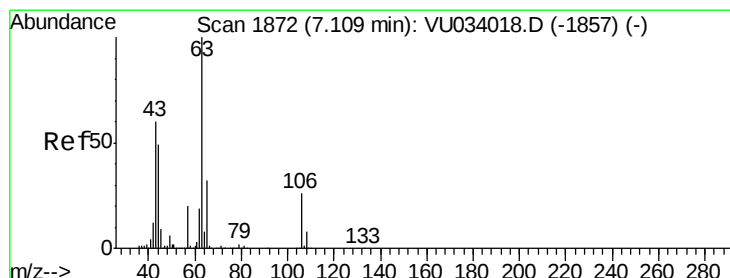
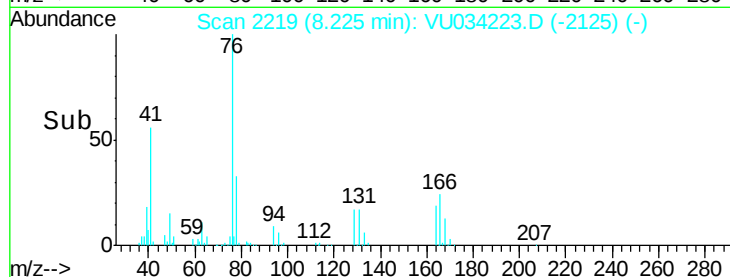
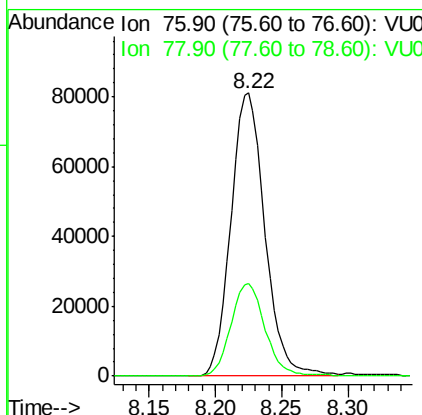
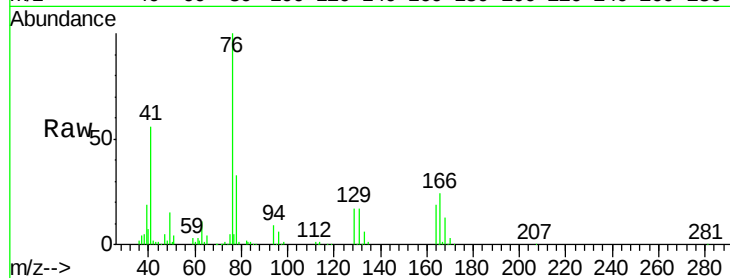
#57
 1,3-Dichloropropane
 Concen: 18.562 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

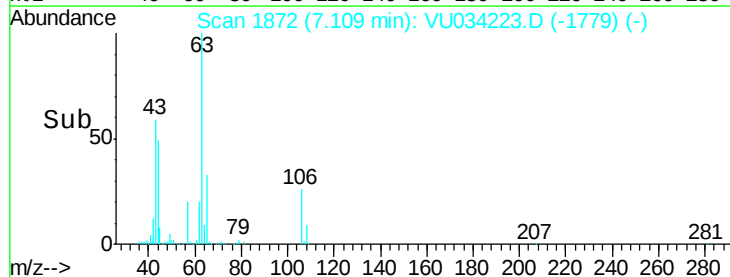
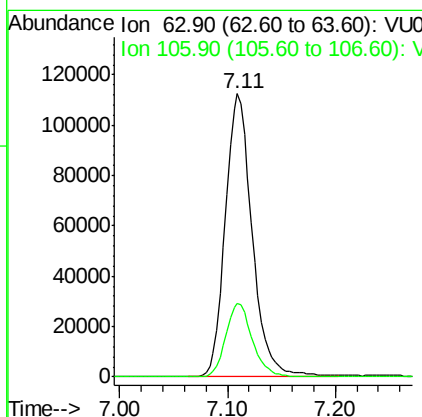
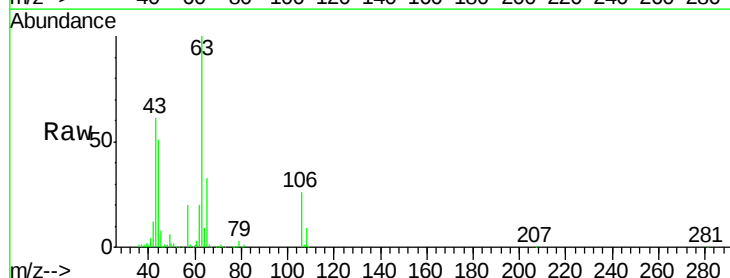
Manual Integrations
 APPROVED

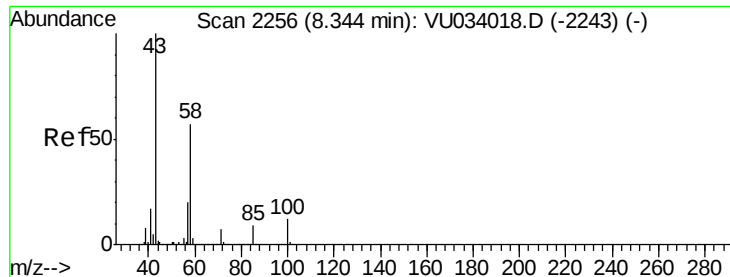
MMDadoda
 9/4/2019 4:57:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.918 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.7	31.1





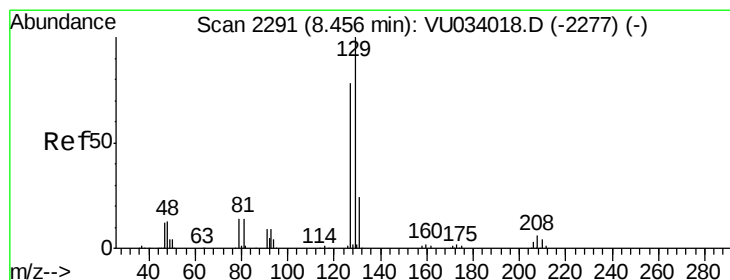
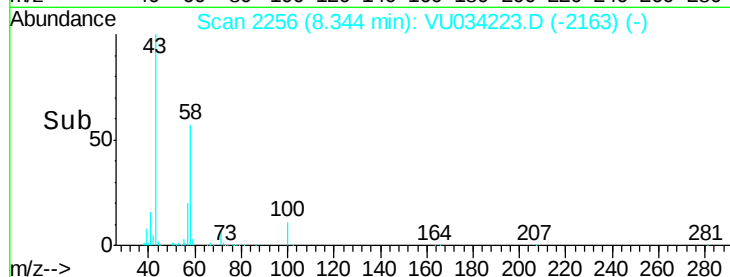
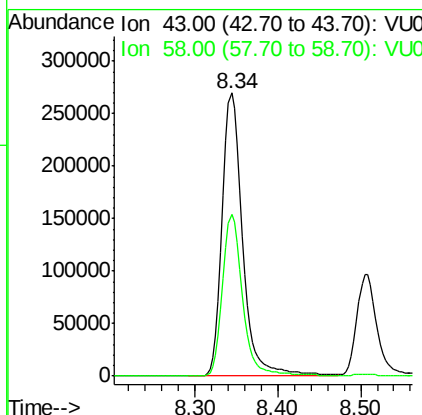
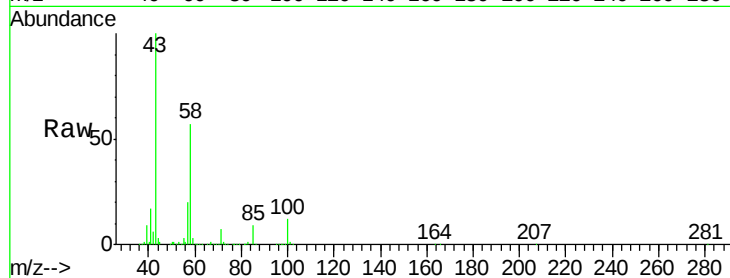
#59
2-Hexanone
Concen: 88.983 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion: 43 Resp: 460161
Ion Ratio Lower Upper
43 100
58 55.5 28.4 85.3

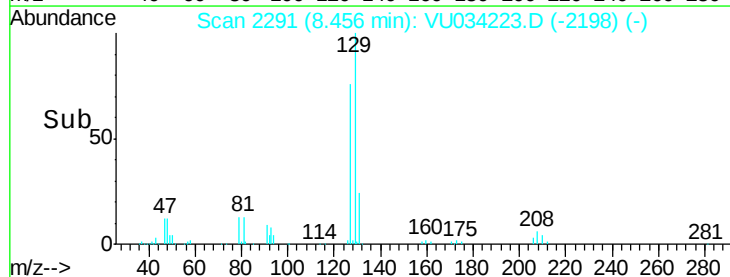
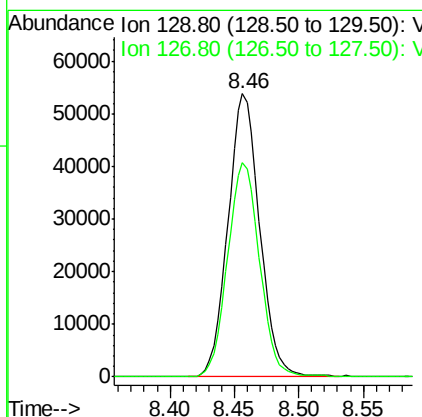
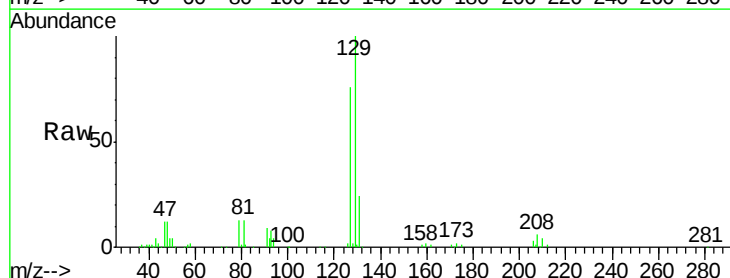
Manual Integrations
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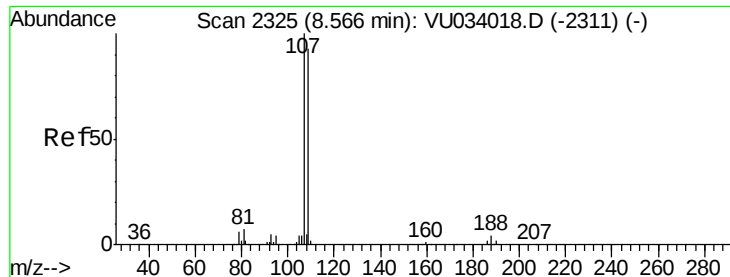
MMDadoda
9/4/2019 4:57:54 PM



#60
Dibromochloromethane
Concen: 18.651 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 129 Resp: 91898
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.095 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion:107 Resp: 87493

Ion Ratio Lower Upper

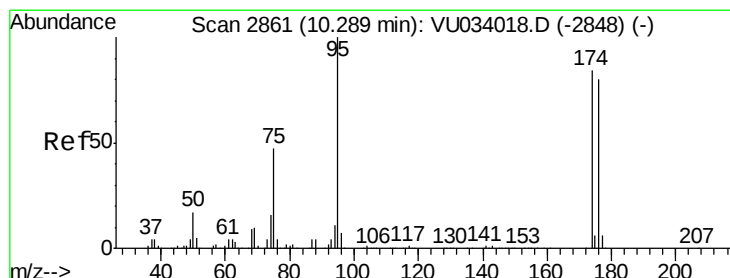
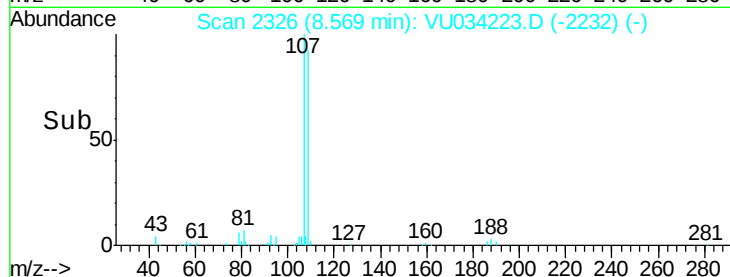
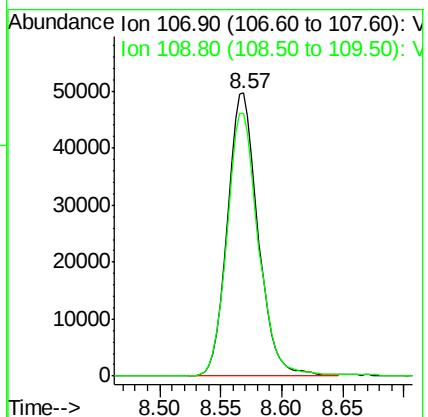
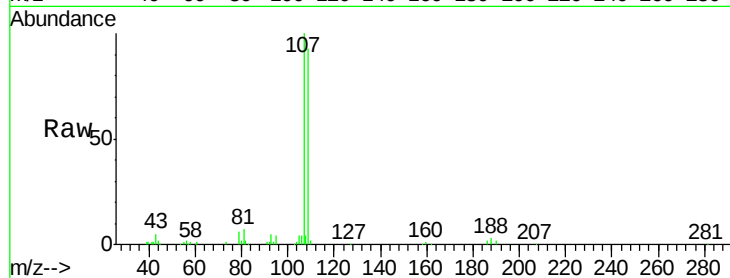
107 100

109 95.4 75.2 112.8

Manual Integrations
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9/4/2019 4:57:54 PM



#62

4-Bromofluorobenzene

Concen: 45.851 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

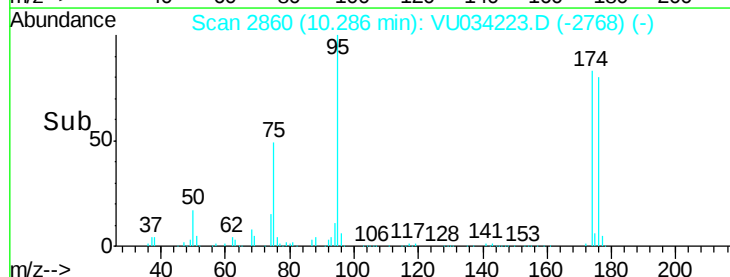
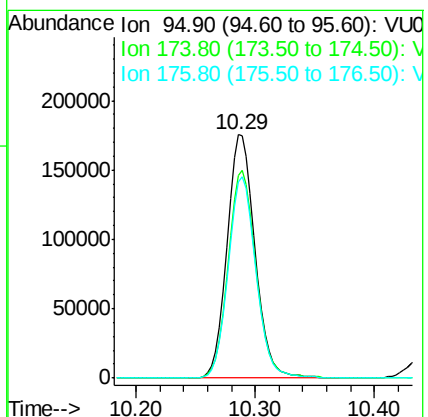
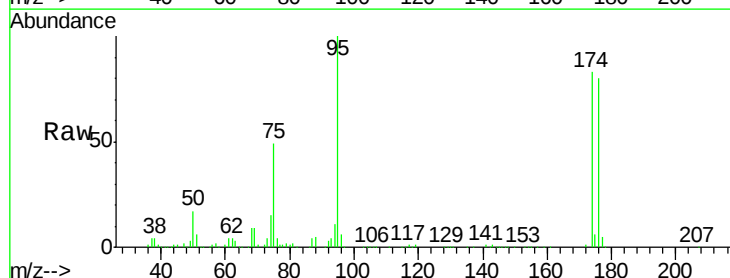
Tgt Ion: 95 Resp: 285128

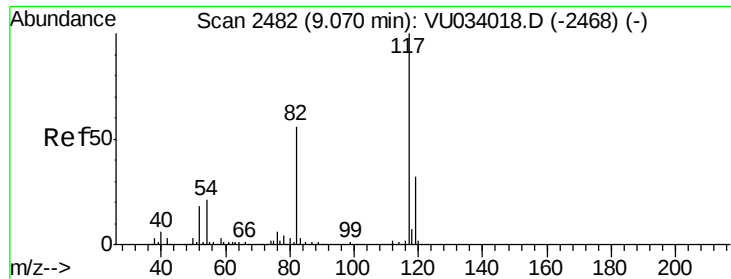
Ion Ratio Lower Upper

95 100

174 85.4 0.0 168.8

176 82.3 0.0 161.8





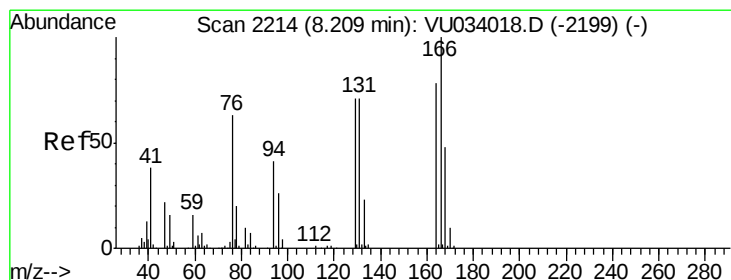
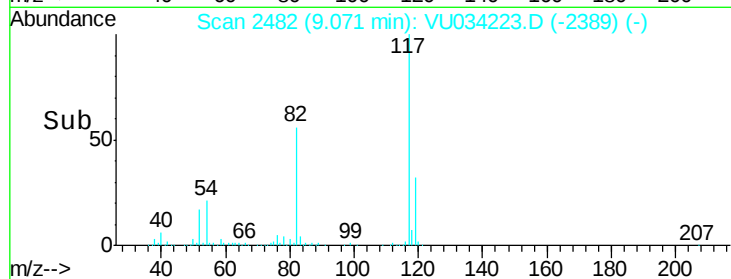
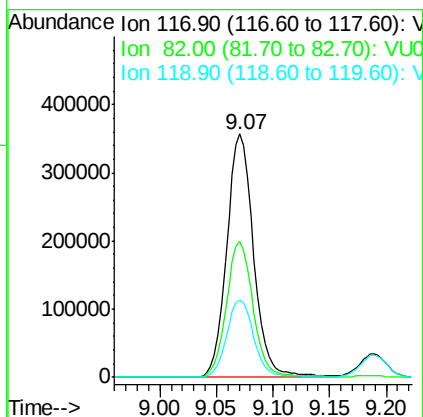
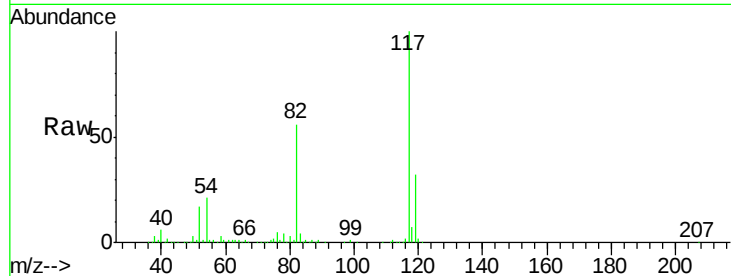
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	590642		
82	55.6		45.1	67.7
119	31.9		25.4	38.0

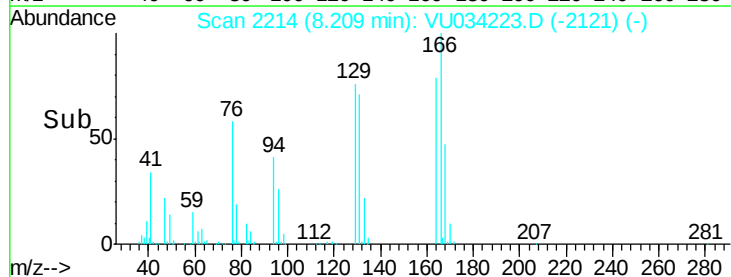
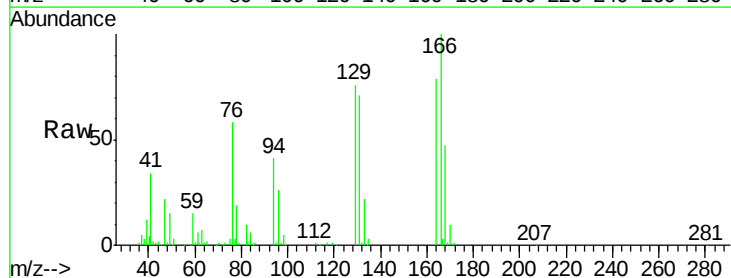
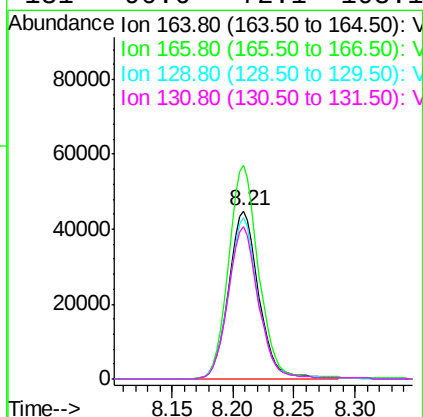
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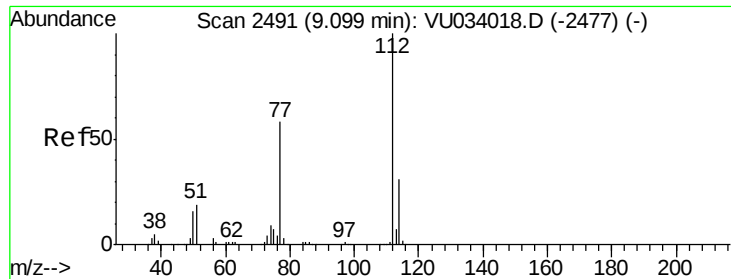
MMDadoda
9/4/2019 4:57:54 PM



#64
Tetrachloroethene
Concen: 19.557 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77572		
166	127.2		102.2	153.2
129	96.3		72.4	108.6
131	90.6		72.1	108.1





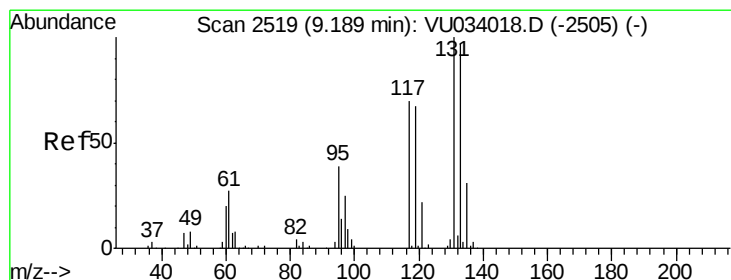
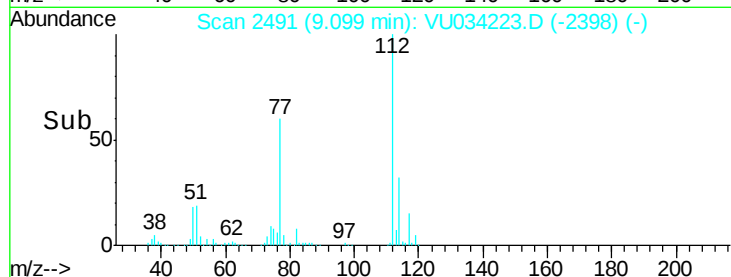
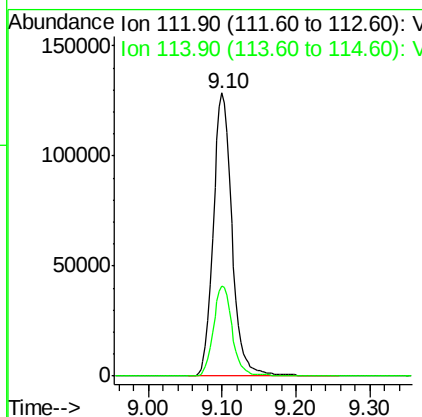
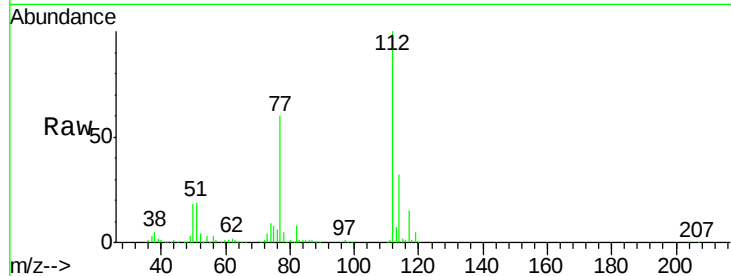
#65
Chlorobenzene
Concen: 18.700 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	227292		
114	31.8	25.0	37.4	

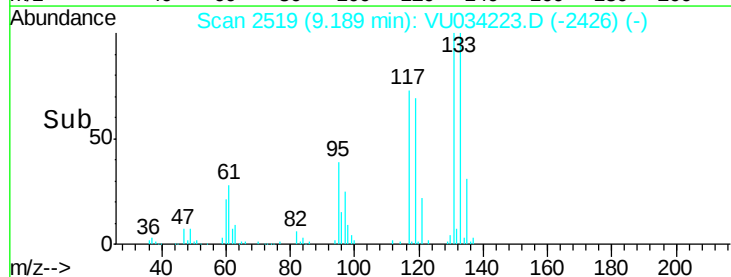
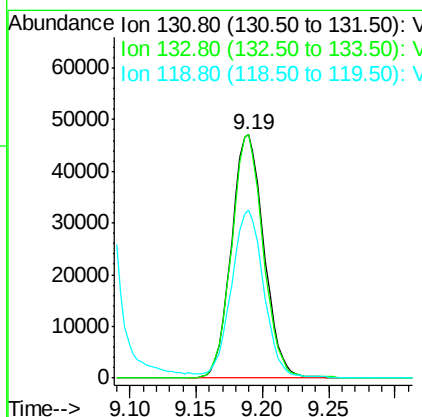
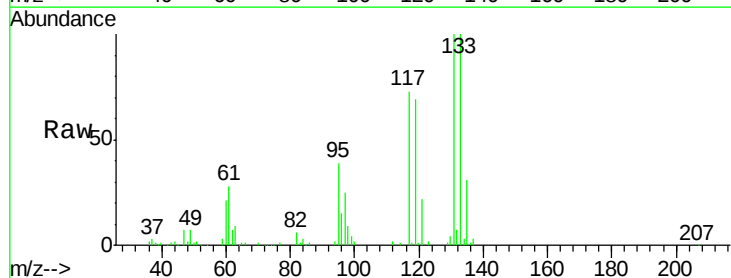
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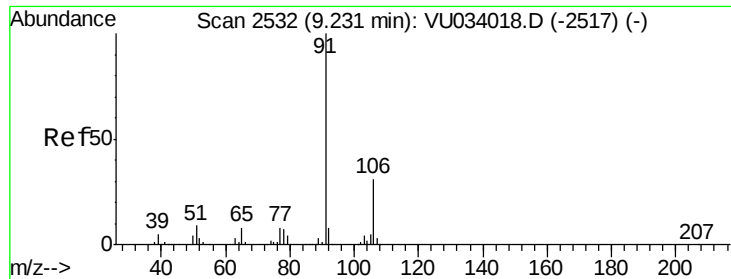
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.234 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	80365		
133	96.7	48.4	145.2	
119	68.5	33.6	100.6	





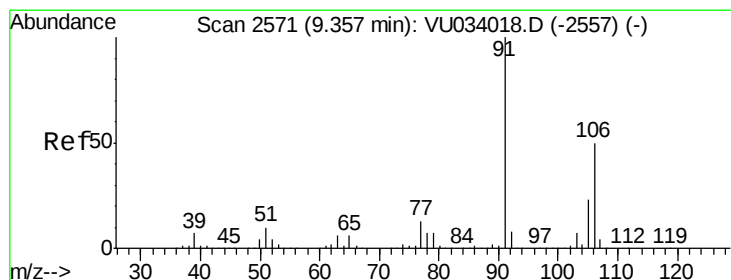
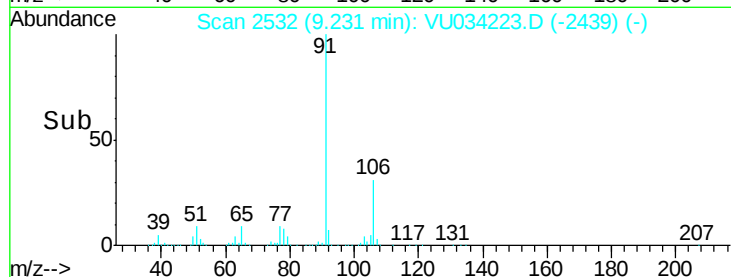
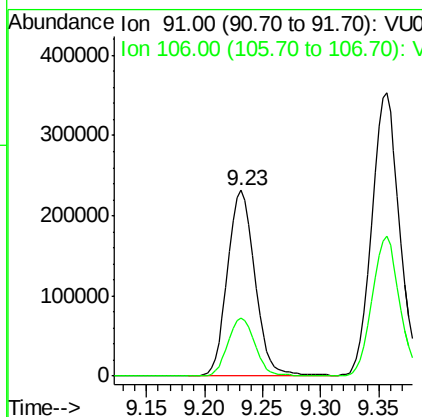
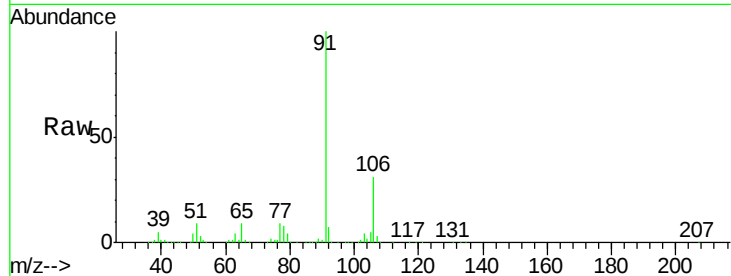
#67
Ethyl Benzene
Concen: 18.524 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	91	Resp	381662
Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3

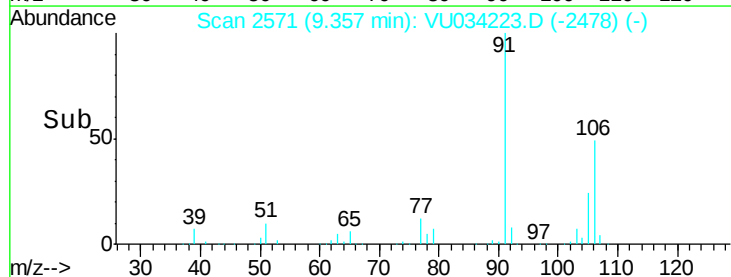
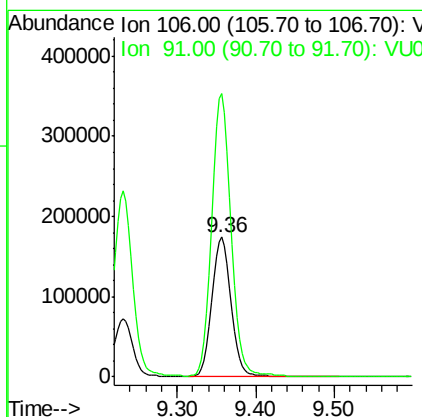
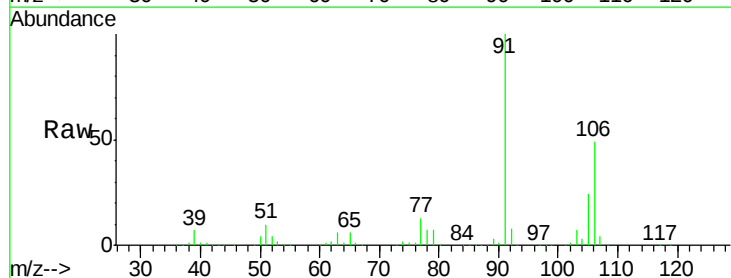
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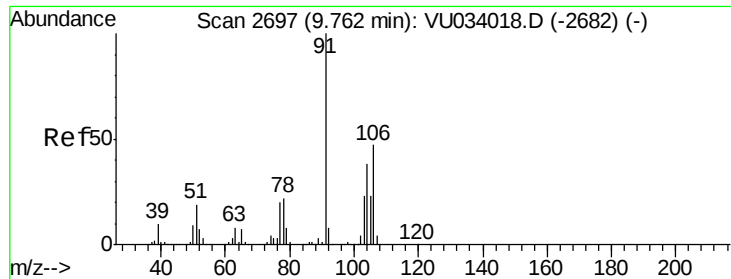
MMDadoda
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#68
m/p-Xylenes
Concen: 37.545 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	106	Resp	294148
Ion	Ratio	Lower	Upper
106	100		
91	202.8	161.6	242.4





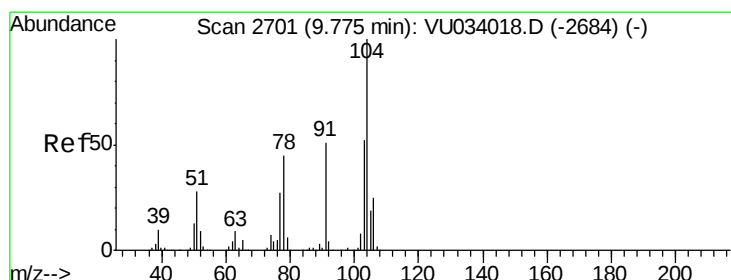
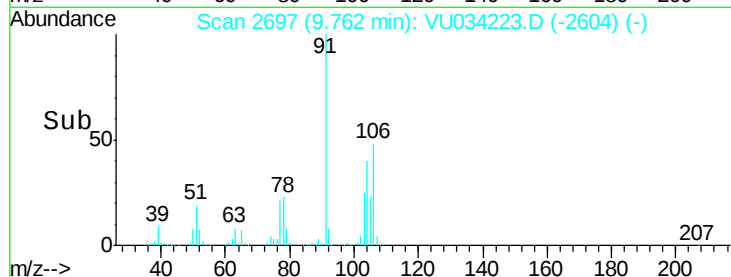
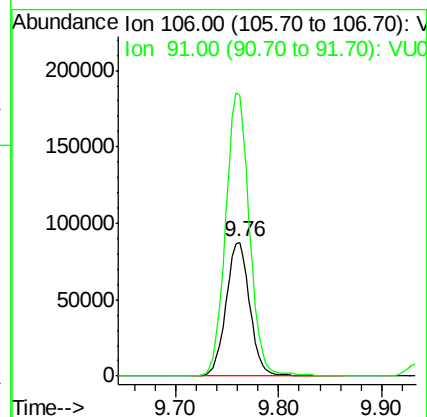
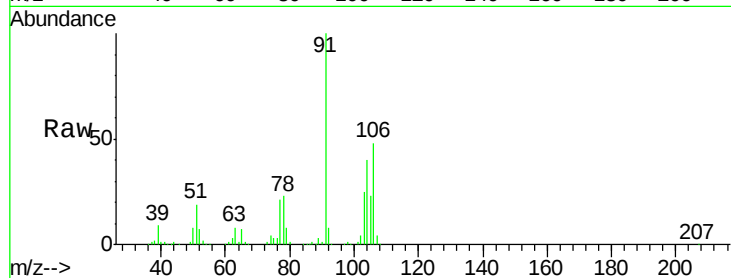
#69
o-Xylene
Concen: 18.698 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	140539		
91	212.4	106.0	318.0	

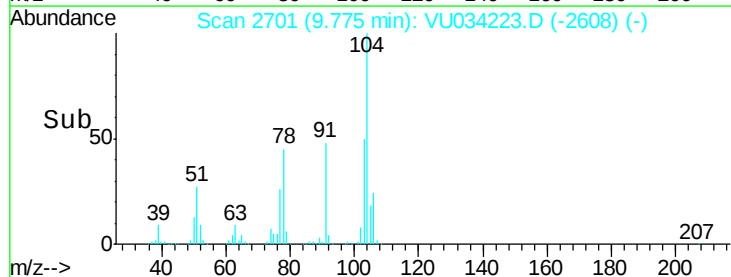
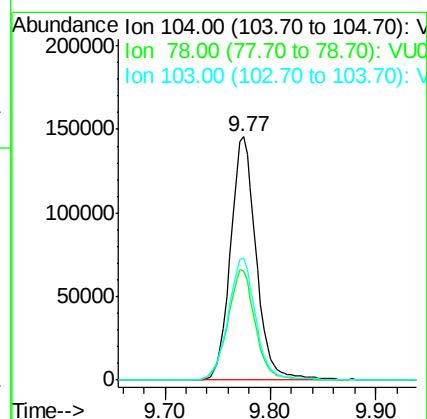
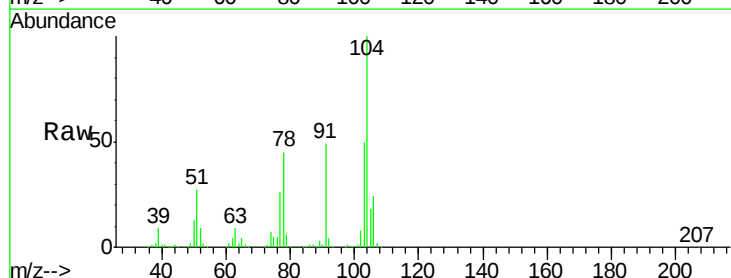
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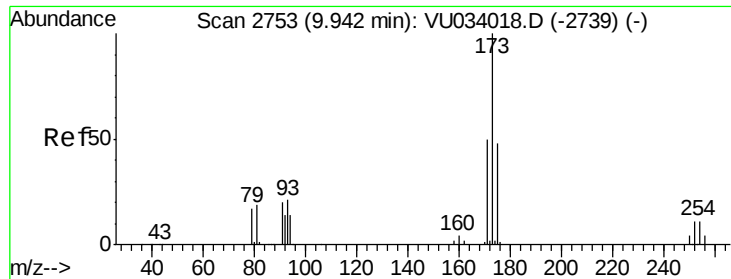
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9/4/2019 4:57:54 PM



#70
Styrene
Concen: 19.009 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	244985		
78	48.9	39.0	58.4	
103	53.6	44.0	66.0	





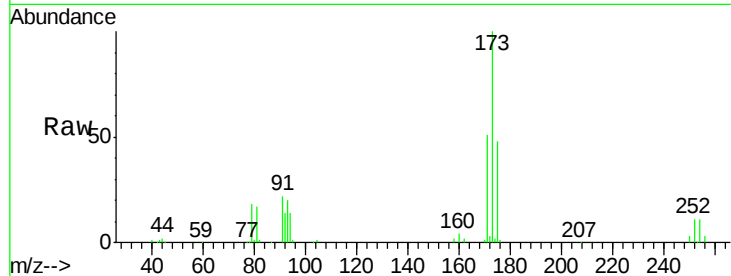
#71
Bromoform
Concen: 17.657 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

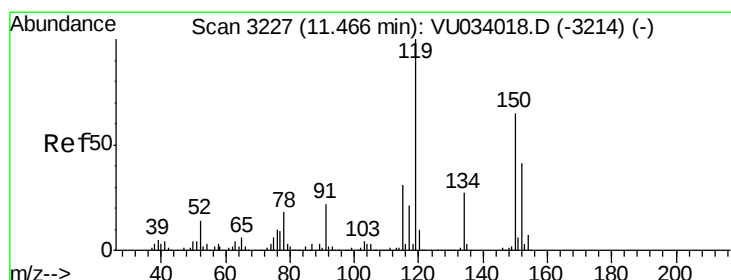
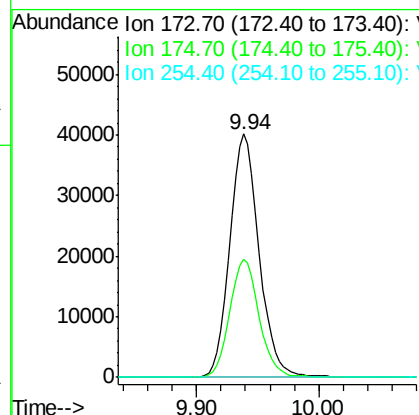
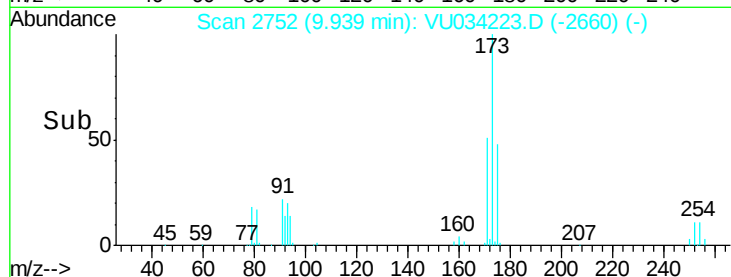
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		67615		
175	48.8	24.6	73.6		
254	0.0	0.0	0.0		

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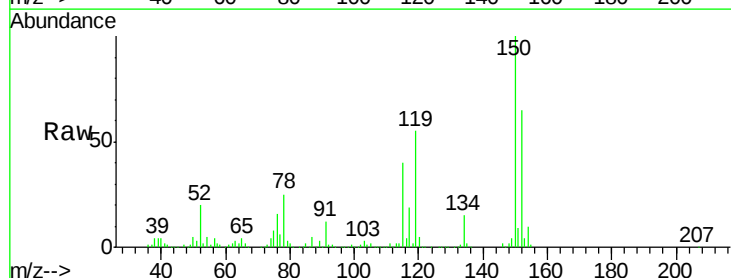


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

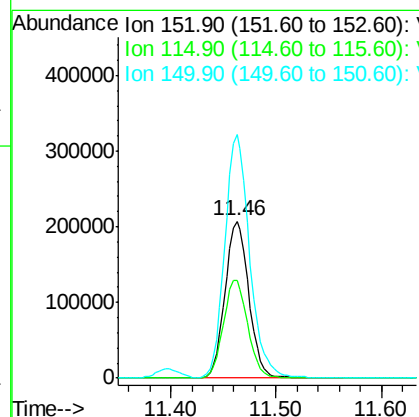
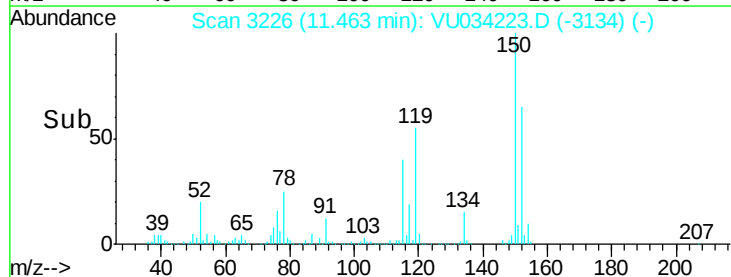


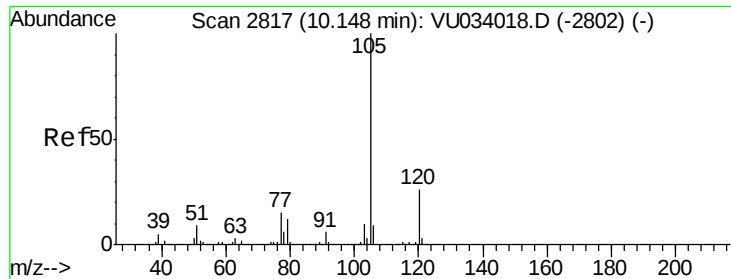
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		324023		
115	64.2	41.1	123.3		
150	161.2	0.0	348.8		



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





#73

Isopropylbenzene

Concen: 17.450 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 105 Resp: 379792

Ion Ratio Lower Upper

105 100

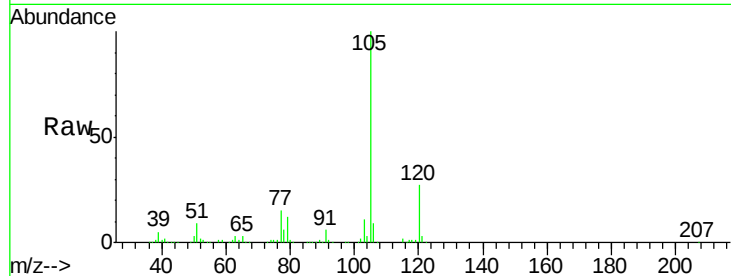
120 26.4 13.3 39.8

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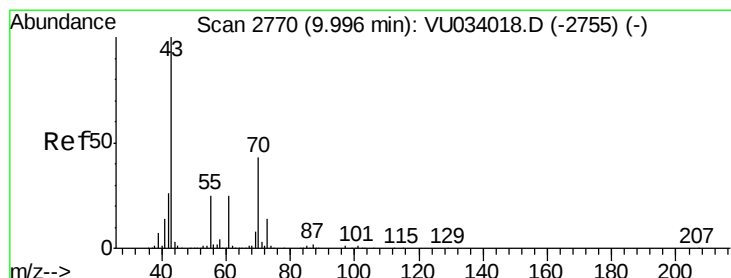
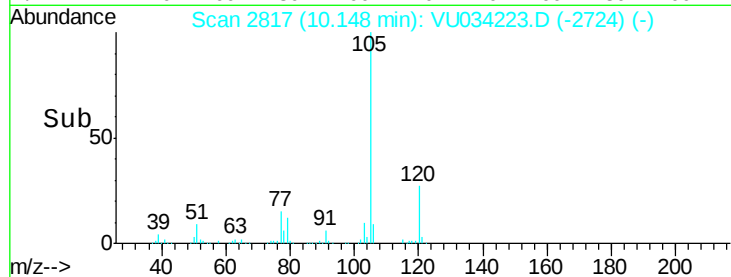
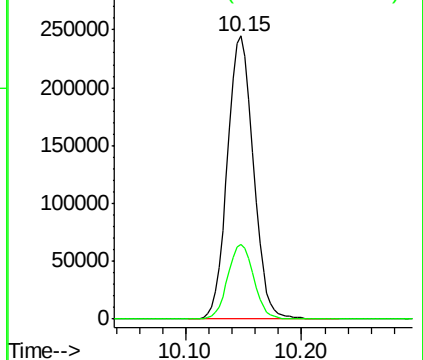
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.532 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion: 43 Resp: 151335

Ion Ratio Lower Upper

43 100

70 44.2 35.2 52.8

55 26.7 20.5 30.7

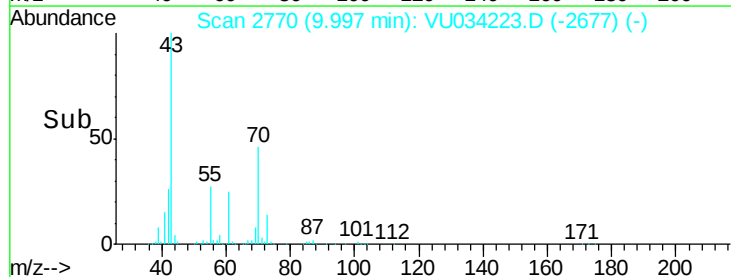
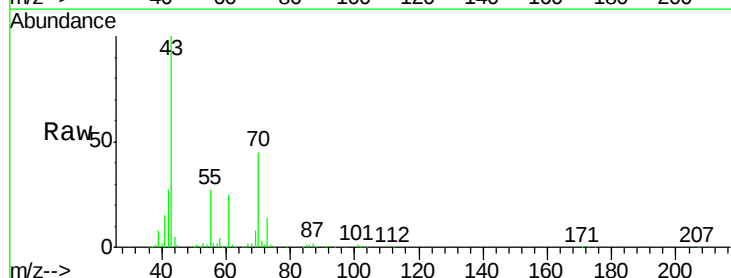
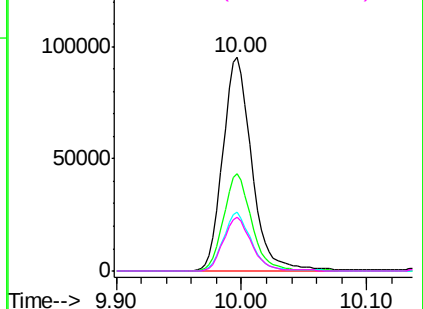
61 24.8 20.0 30.0

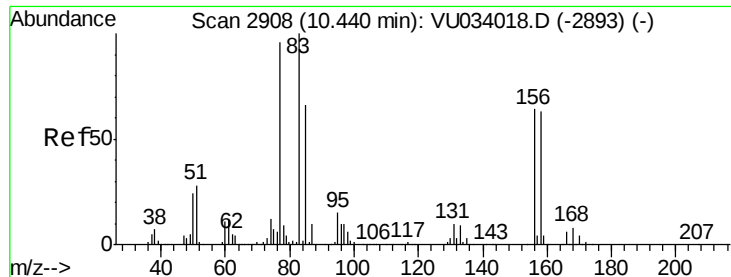
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.450 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 83 Resp: 145362

Ion Ratio Lower Upper

83 100

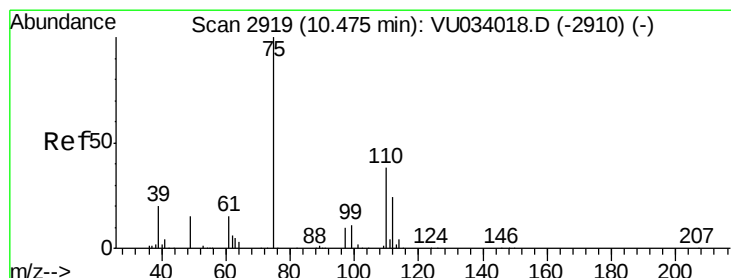
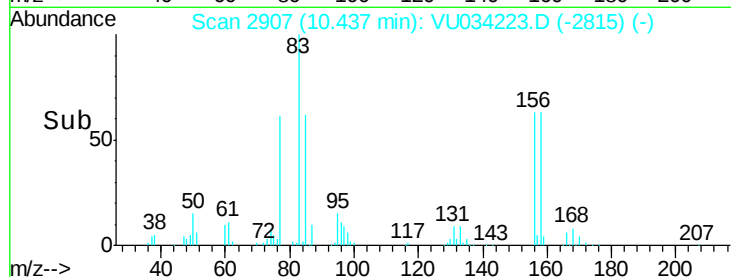
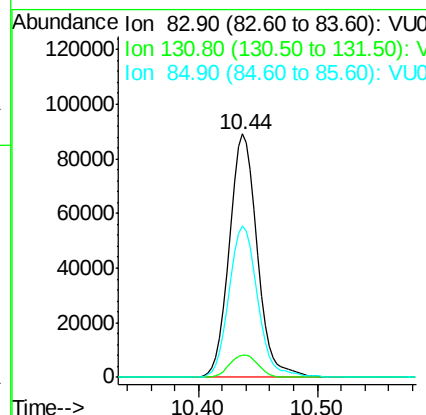
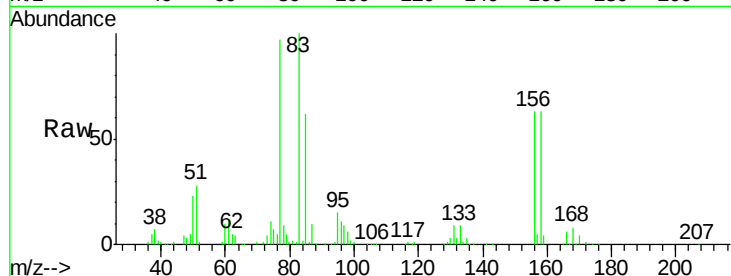
131 9.4 5.0 14.9

85 63.8 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.289 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034223.D

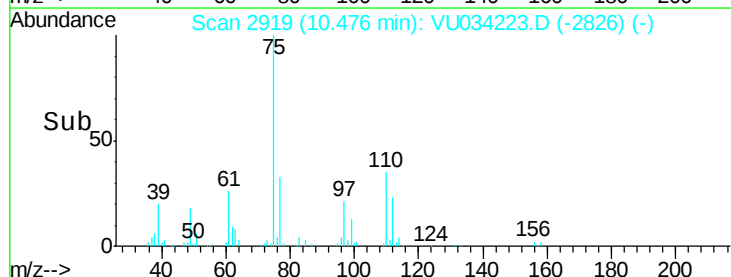
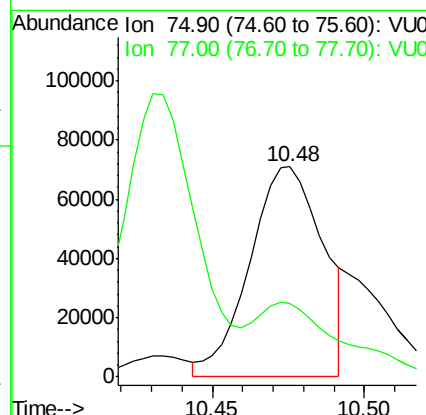
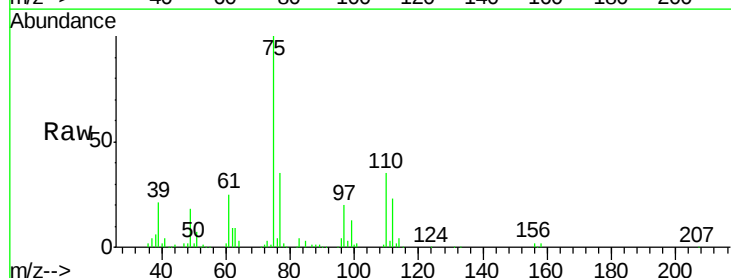
Acq: 03 Sep 2019 13:28

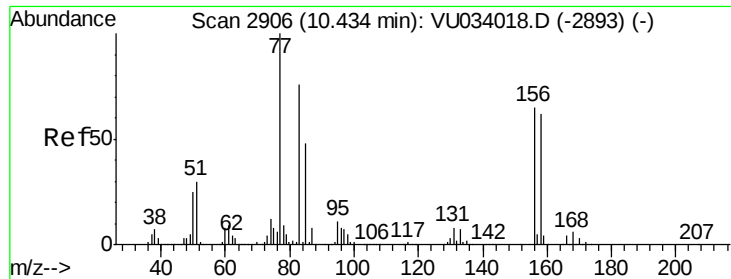
Tgt Ion: 75 Resp: 118955

Ion Ratio Lower Upper

75 100

77 42.8 20.1 60.2





#77

Bromobenzene

Concen: 17.596 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

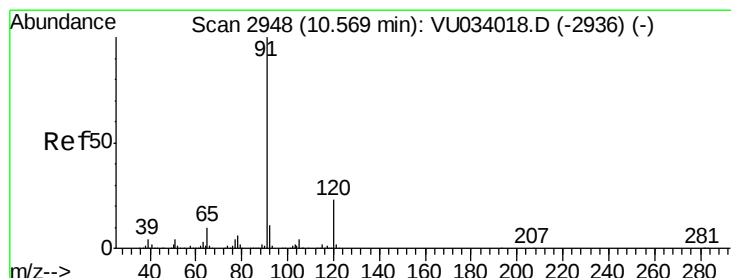
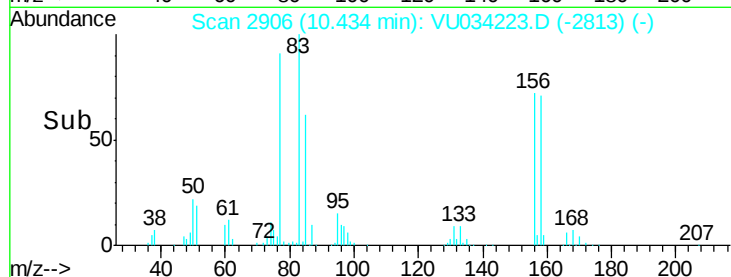
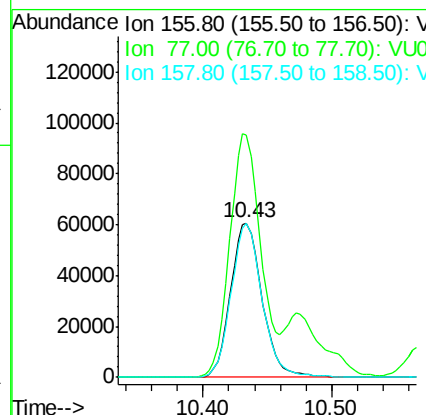
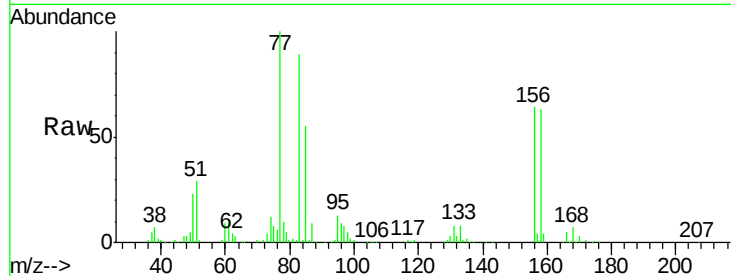
ClientSampleId :

VU0904MBSD01

Tot Ion:	156	Resp:	103018
Ion Ratio	Lower	Upper	
156	100		
77	156.0	76.8	230.5
158	98.2	48.4	145.0

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#78

n-propylbenzene

Concen: 17.689 ug/l

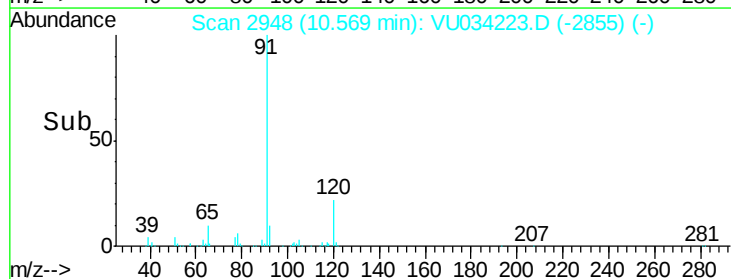
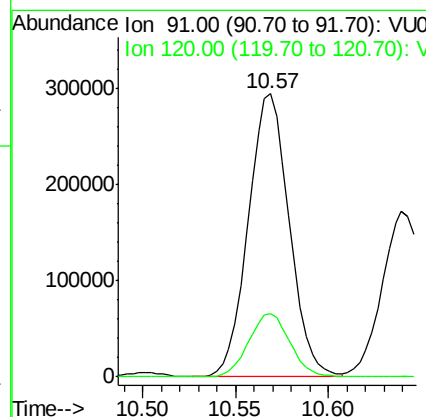
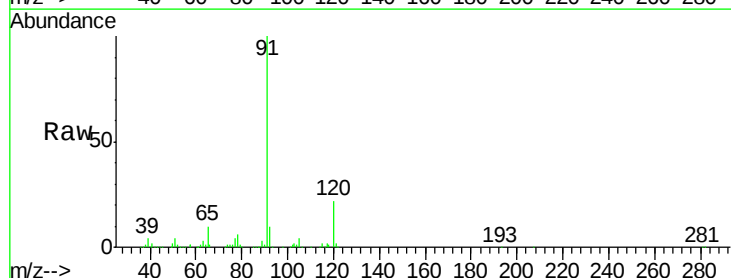
RT: 10.57 min Scan# 2948

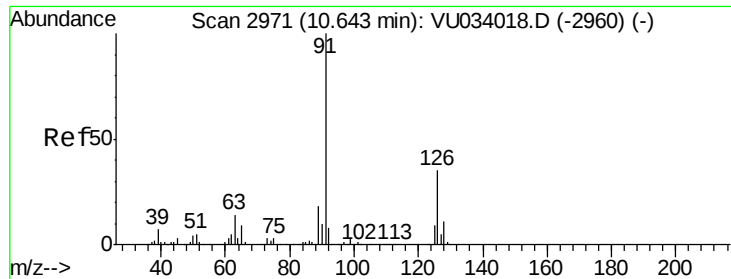
Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	91	Resp:	448365
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 18.106 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion: 91 Resp: 275272

Ion Ratio Lower Upper

91 100

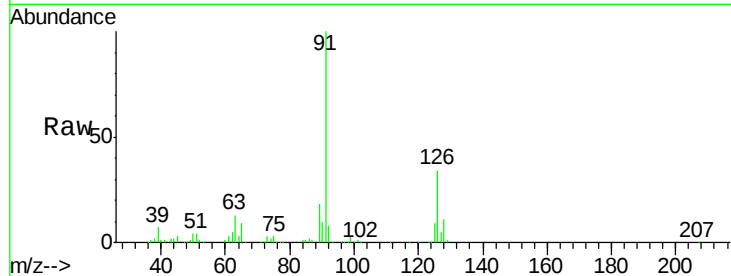
126 33.5 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

300000

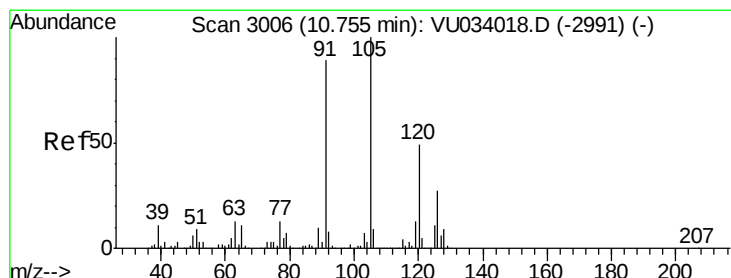
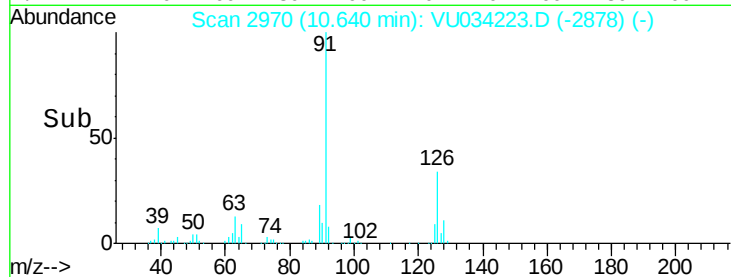
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.974 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034223.D

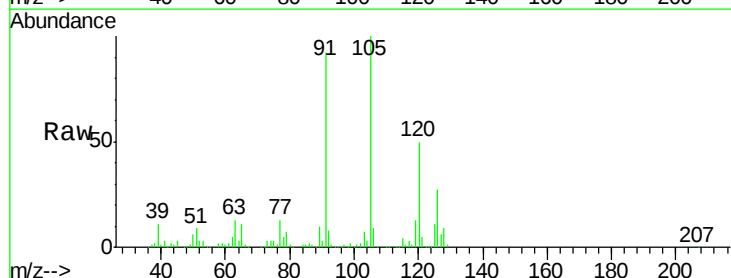
Acq: 03 Sep 2019 13:28

Tgt Ion: 105 Resp: 331559

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

250000

200000

150000

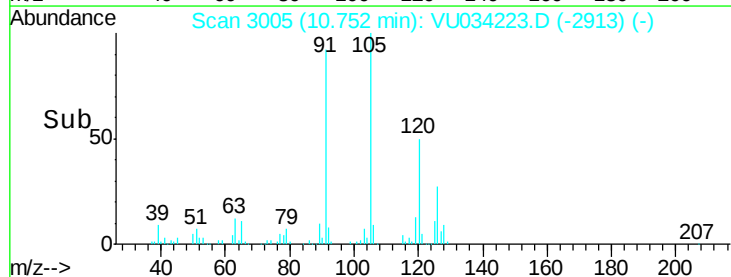
100000

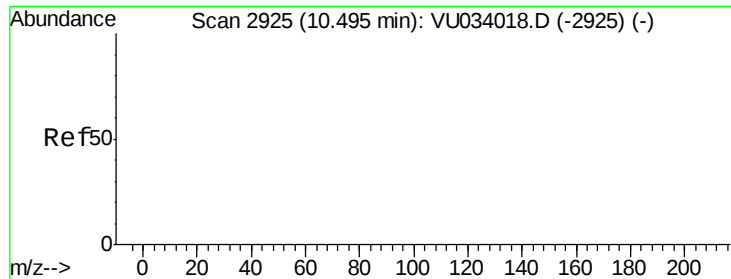
50000

0

10.70 10.75 10.80

Time-->





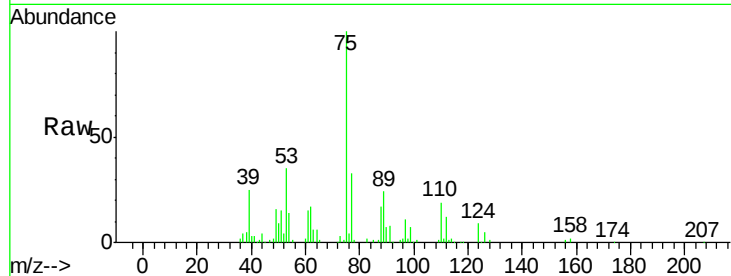
#81
trans-1,4-Dichloro-2-butene
Concen: 17.693 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

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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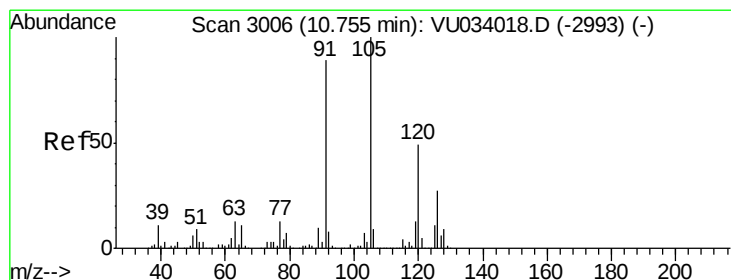
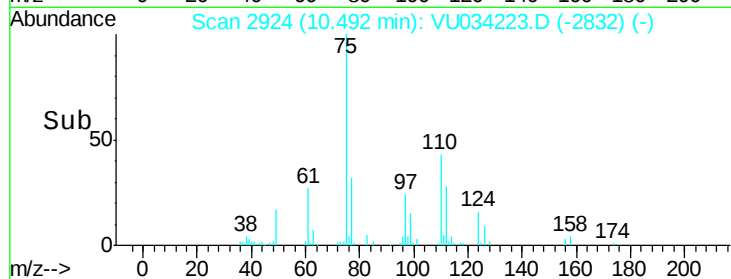
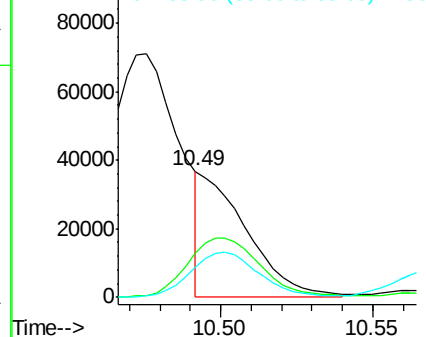
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Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2925) (-)

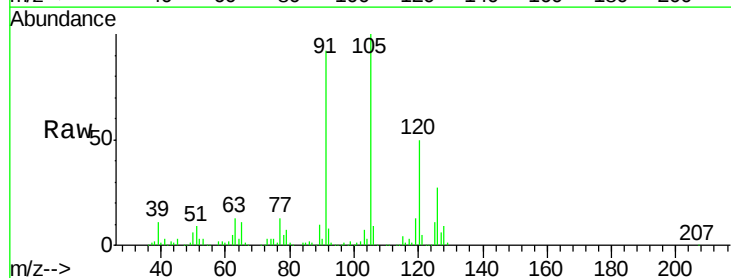
Ion 53.00 (52.70 to 53.70): VU034018.D (-2925) (-)

Ion 88.90 (88.60 to 89.60): VU034018.D (-2925) (-)



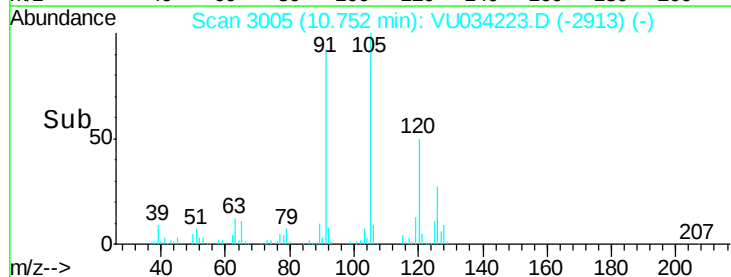
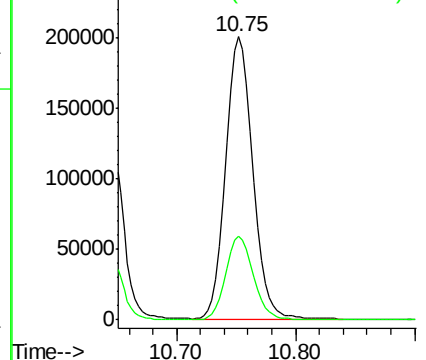
#82
4-Chlorotoluene
Concen: 18.072 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

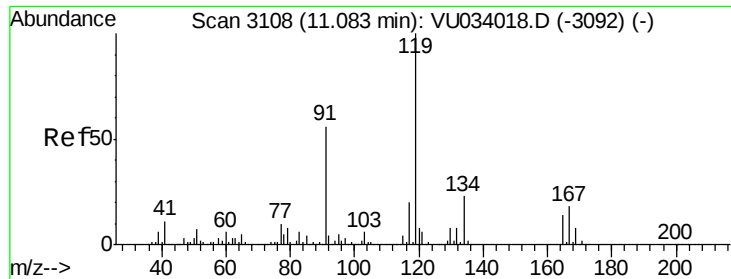
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.0	45.1



Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2993) (-)





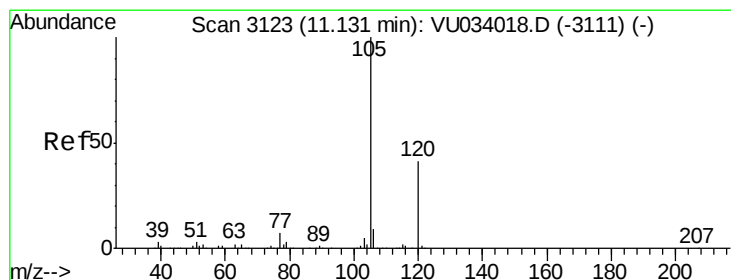
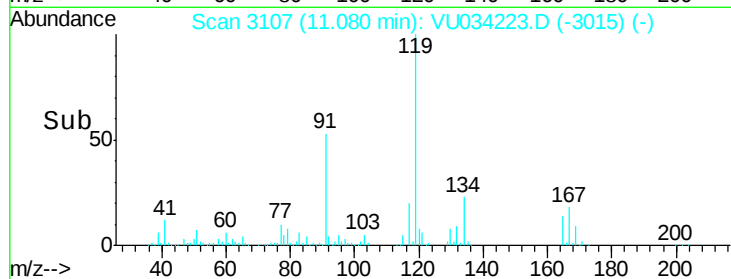
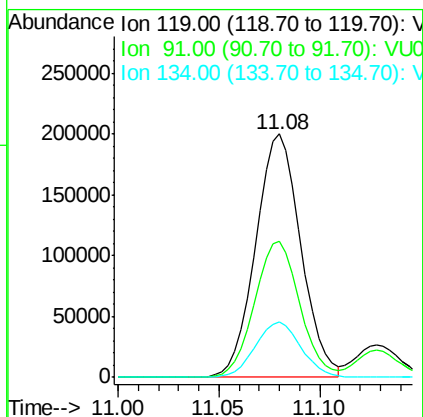
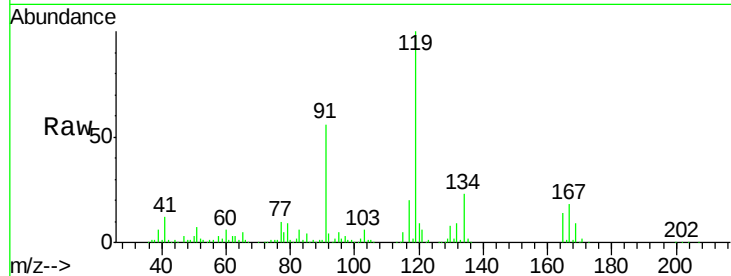
#83
 tert-Butylbenzene
 Concen: 17.185 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	312067		
91	55.8		27.9	83.6
134	23.0		11.4	34.2

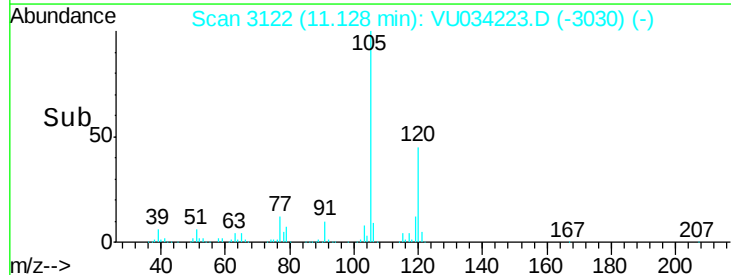
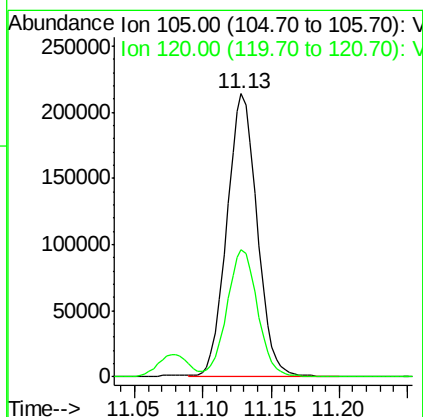
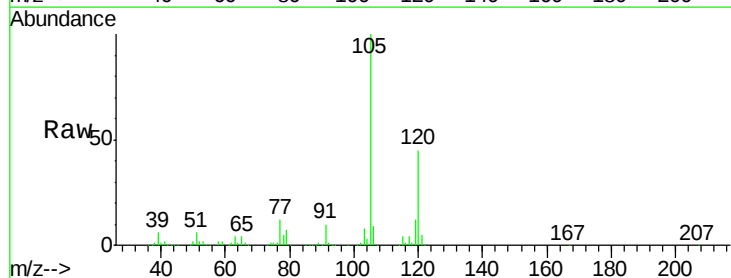
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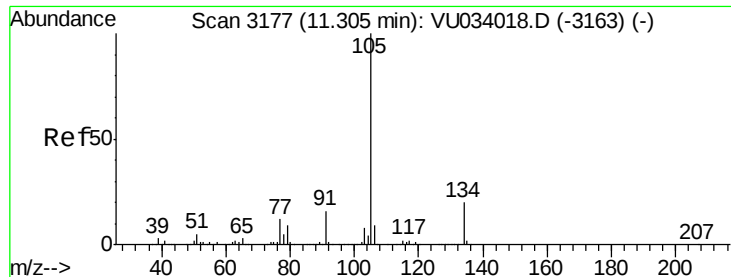
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.902 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327921		
120	45.7		22.6	67.8





#85

sec-Butylbenzene

Concen: 17.656 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tot Ion:105 Resp: 384278

Ion Ratio Lower Upper

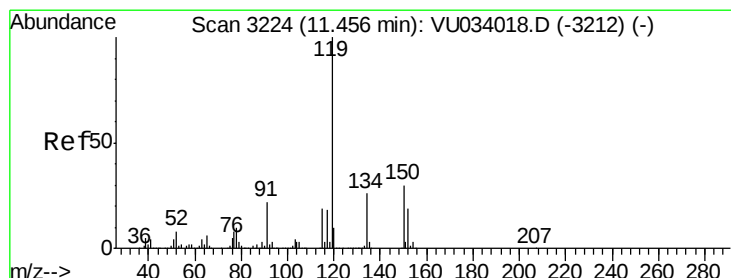
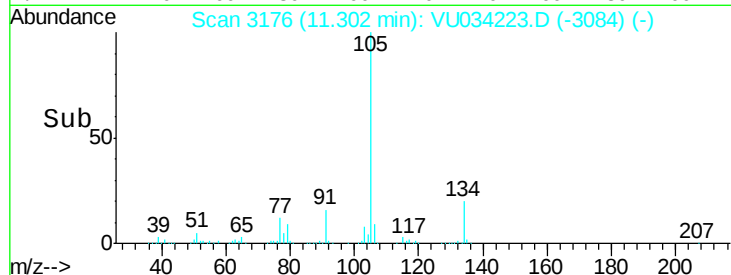
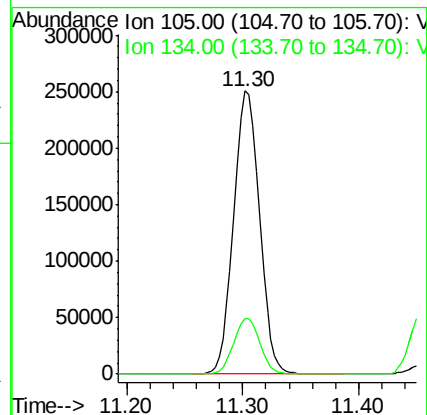
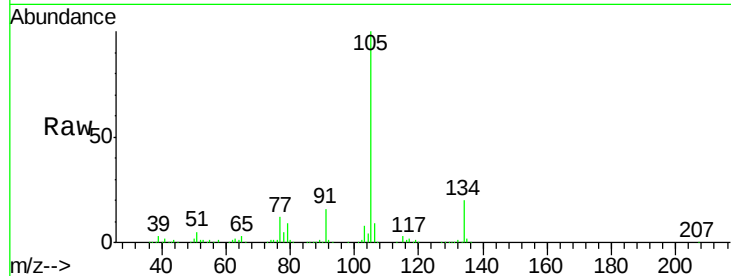
105 100

134 19.9 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 17.635 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

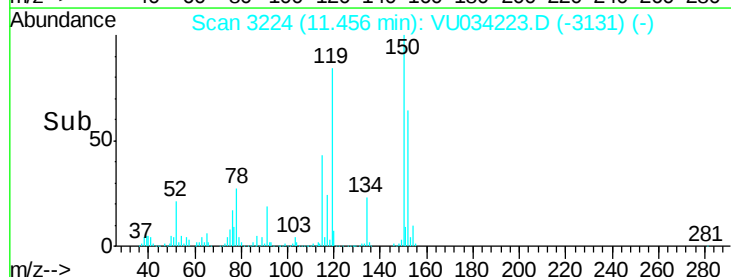
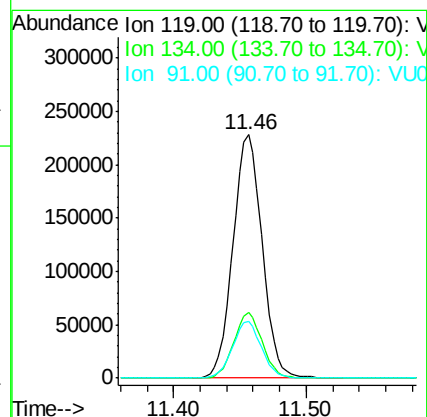
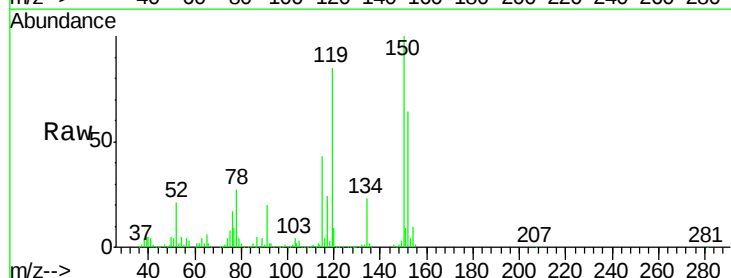
Tgt Ion:119 Resp: 347136

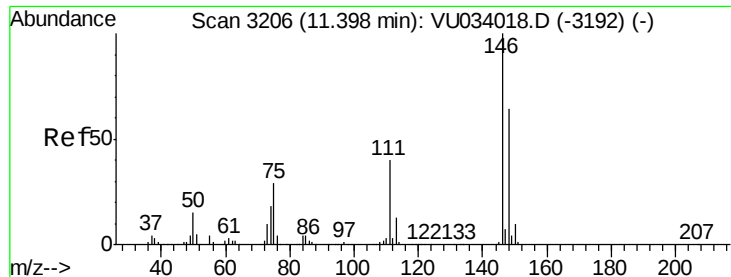
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.0 11.2 33.6





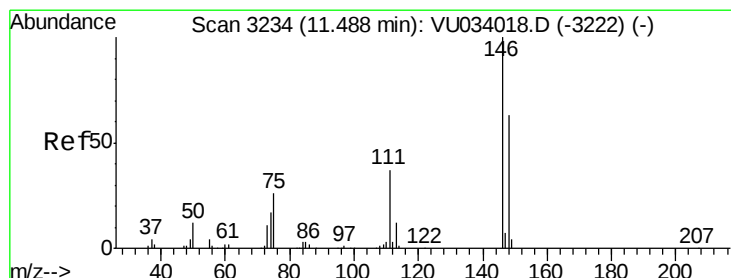
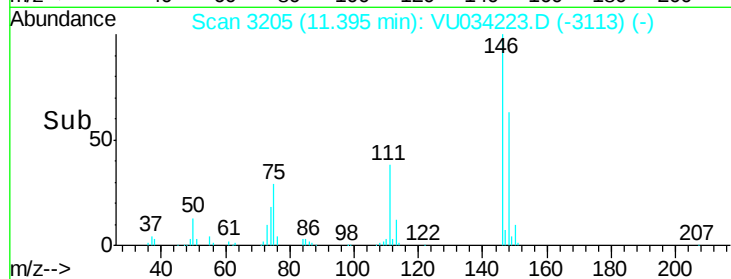
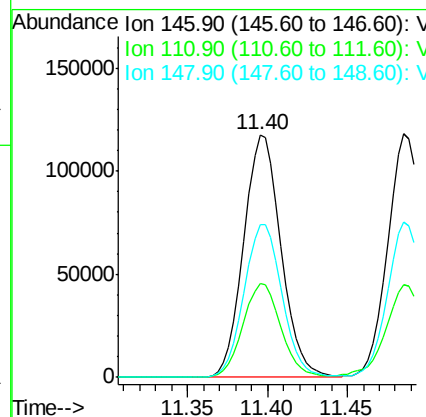
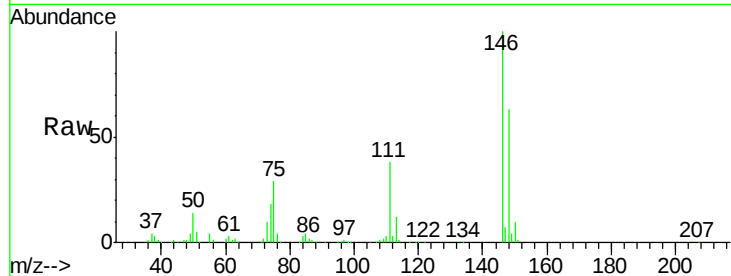
#87
 1,3-Dichlorobenzene
 Concen: 18.080 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.3	31.9	95.5

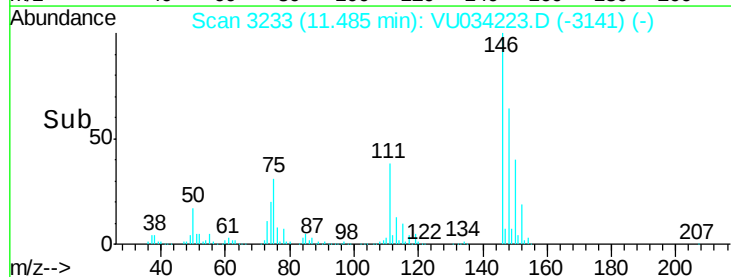
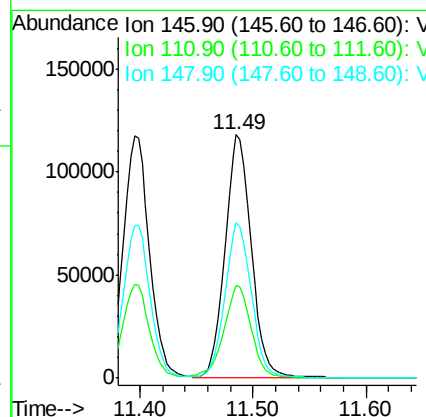
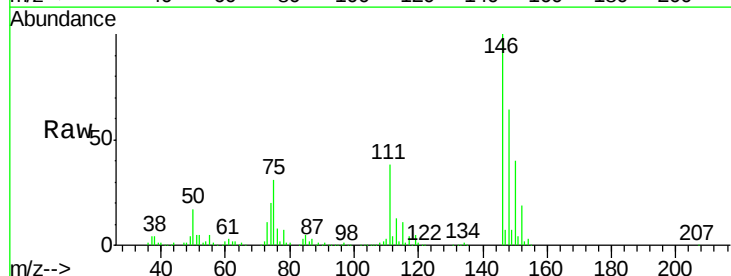
Manual Integrations
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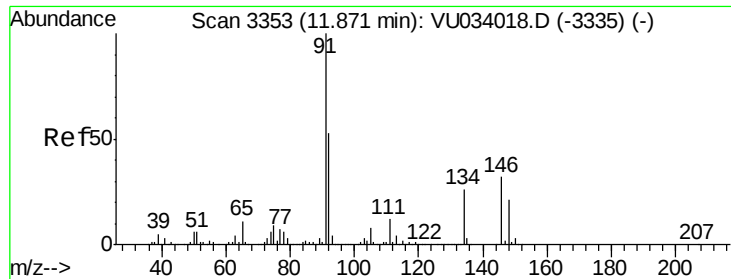
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#88
 1,4-Dichlorobenzene
 Concen: 18.107 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.2	57.6
148	63.8	31.9	95.9





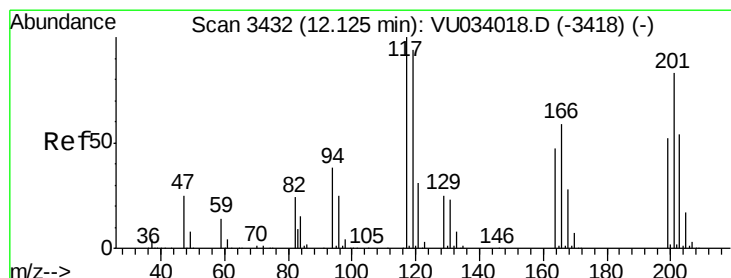
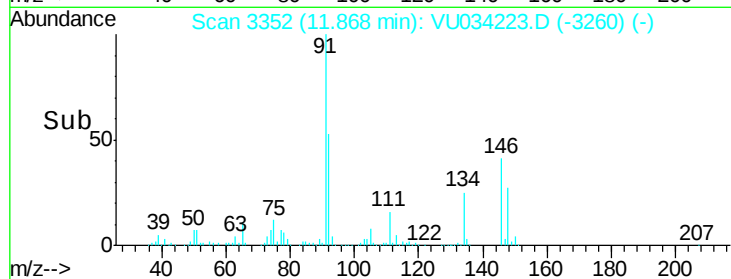
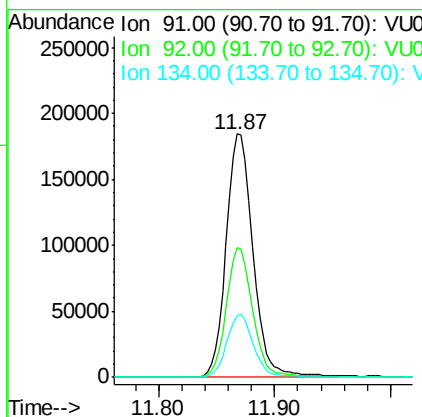
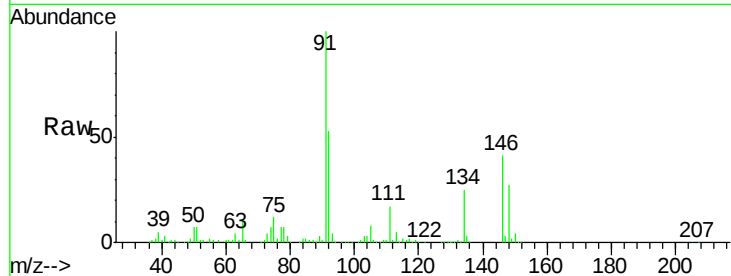
#89
n-Butylbenzene
Concen: 17.088 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	25.8	12.9	38.7

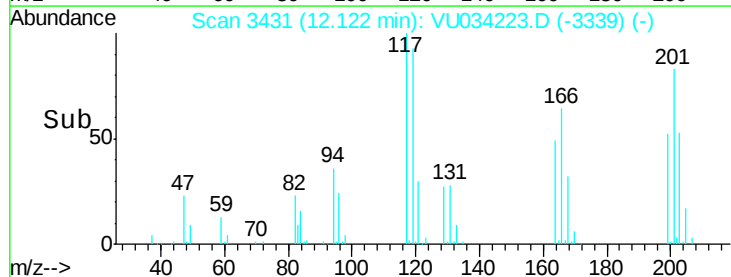
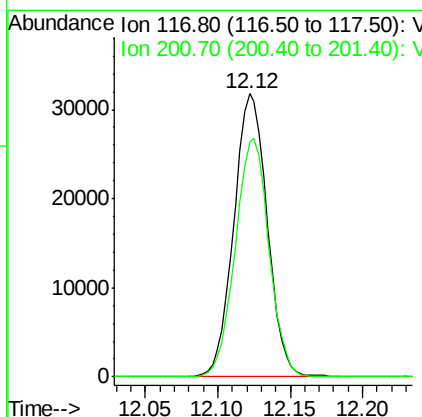
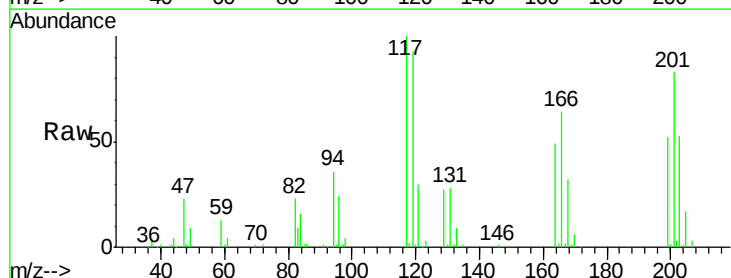
Manual Integrations
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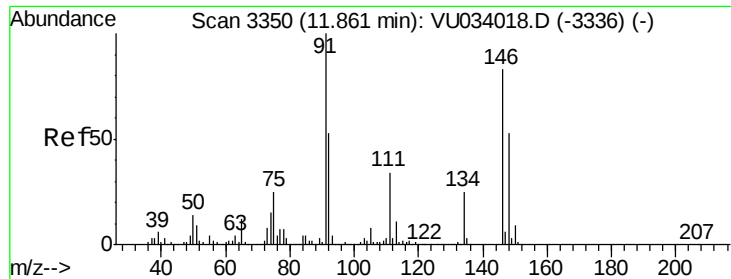
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#90
Hexachloroethane
Concen: 14.971 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.5	127.6





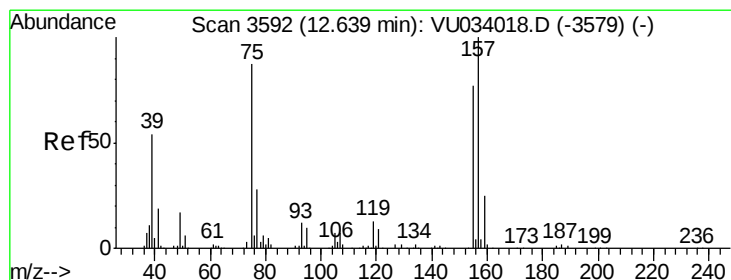
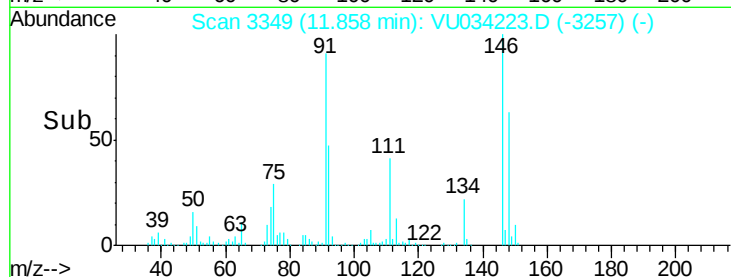
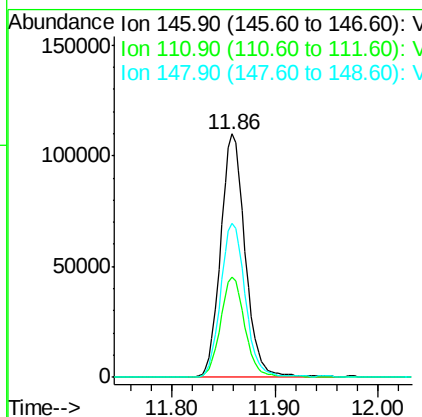
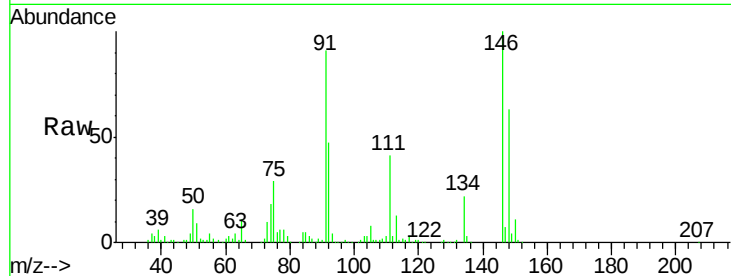
#91
 1,2-Dichlorobenzene
 Concen: 18.381 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	63.5	32.3	96.8

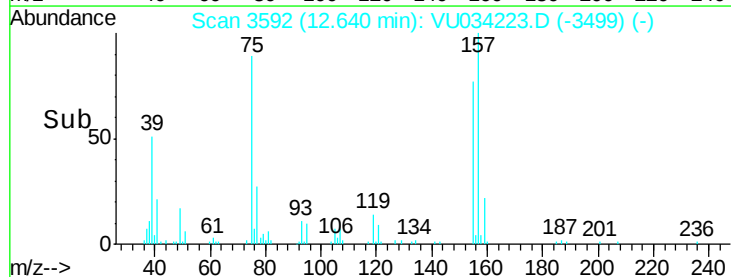
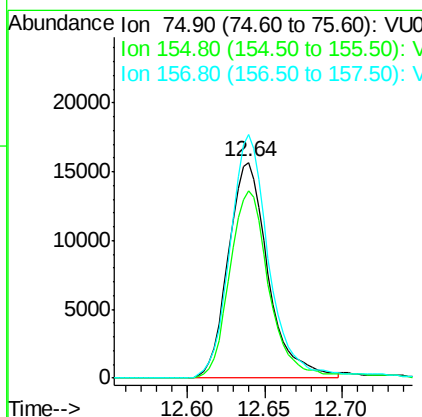
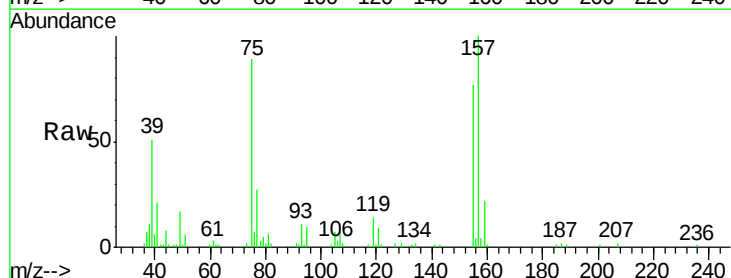
Manual Integrations
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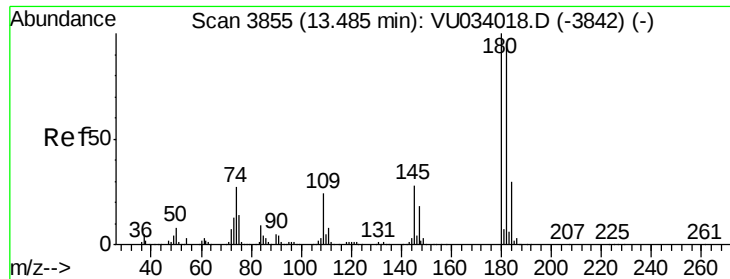
MMDadoda
 9/4/2019 4:57:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.921 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.5	130.7
157	109.5	56.9	170.6





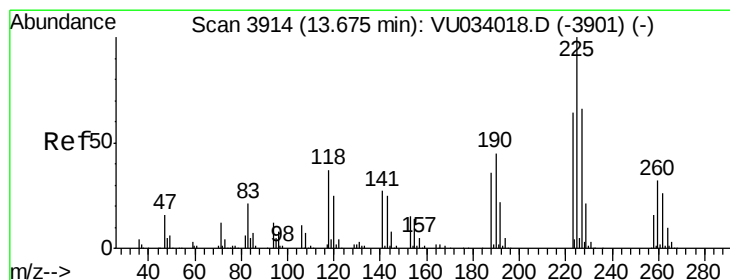
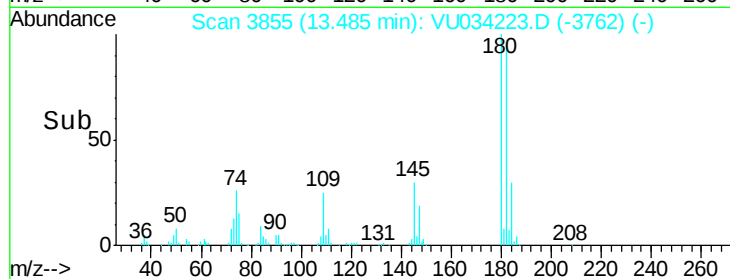
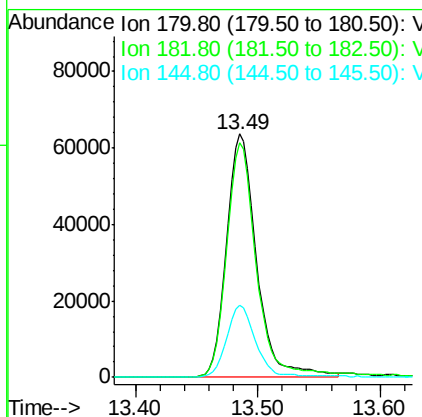
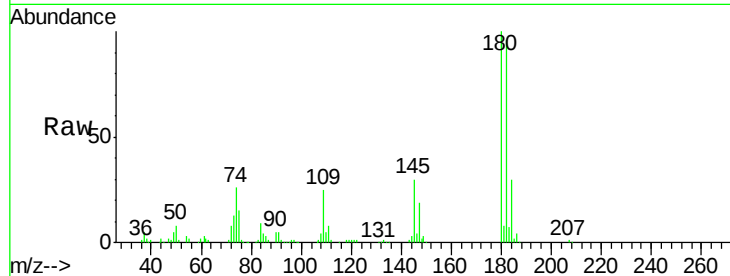
#93
 1,2,4-Trichlorobenzene
 Concen: 16.398 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.4	142.2	
145	28.7	14.1	42.3	

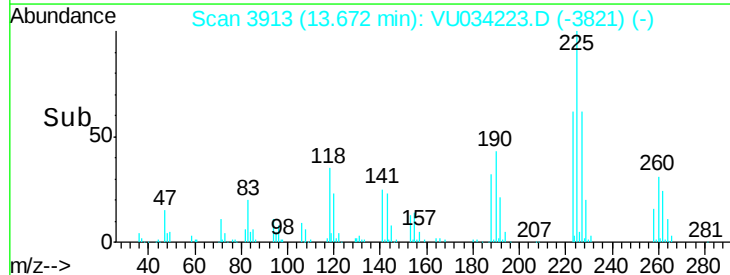
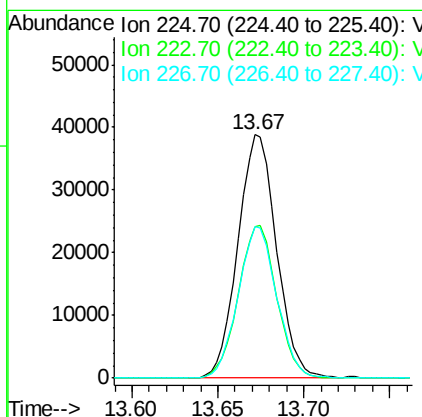
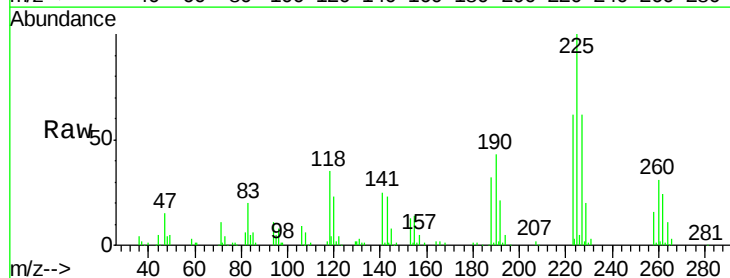
Manual Integrations
 APPROVED

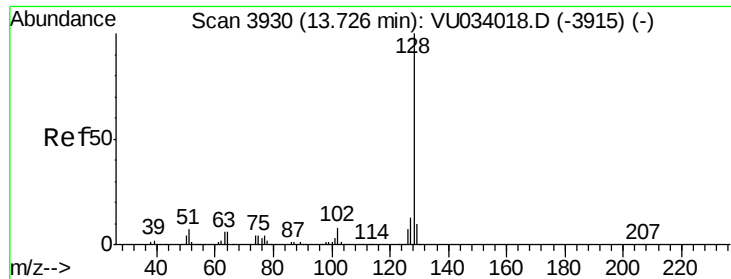
MMDadoda
 9/4/2019 4:57:54 PM



#94
 Hexachlorobutadiene
 Concen: 15.552 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.8	95.3	
227	62.1	32.6	97.8	





#95

Naphthalene

Concen: 16.050 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

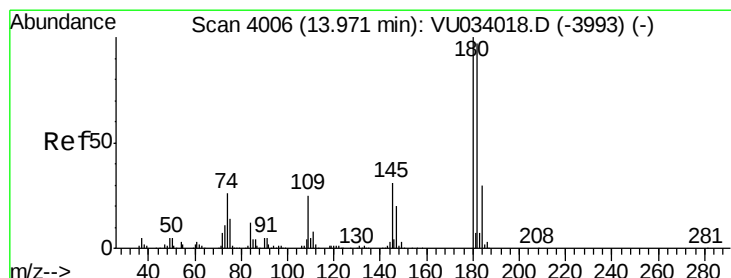
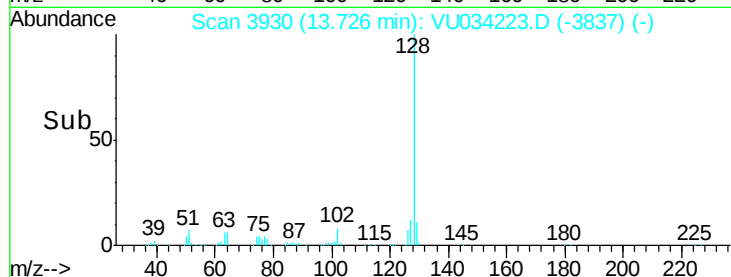
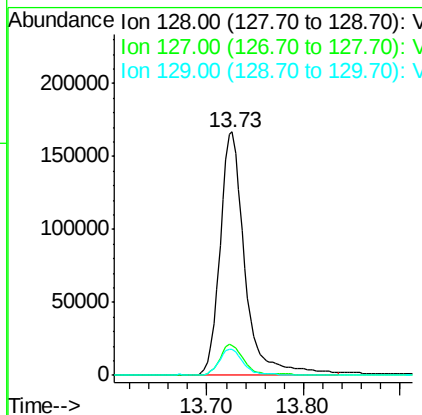
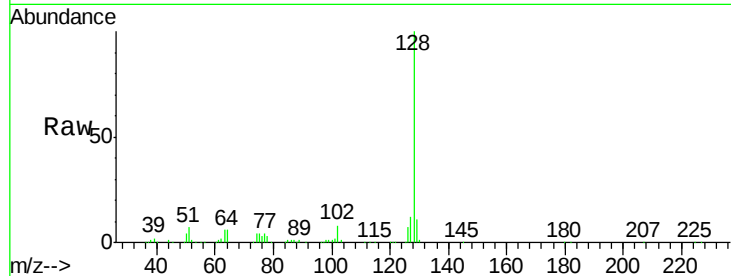
ClientSampleId :

VU0904MBSD01

Tot Ion:	128	Resp:	299113
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.4
129	10.3	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.953 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion:	180	Resp:	114184
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.2	144.6
145	30.5	15.5	46.5

