

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034031.D
 Acq On : 28 Aug 2019 18:28
 Operator : JC/SP
 Sample : VU0829WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:31 AM

Quant Time: Aug 29 04:55:16 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	422787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	690827	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	650694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	347208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	272730	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	4.86	113	228121	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	7.55	98	884900	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	325170	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	88222	20.748	ug/l 98
3) Chloromethane	1.32	50	105864	17.274	ug/l 99
4) Vinyl Chloride	1.40	62	111709	19.739	ug/l 96
5) Bromomethane	1.62	94	26329	4.363	ug/l 94
6) Chloroethane	1.69	64	68240	19.724	ug/l 99
7) Trichlorofluoromethane	1.88	101	129998	19.825	ug/l 98
8) Diethyl Ether	2.09	74	57374	20.453	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	82602	19.884	ug/l 99
10) Methyl Iodide	2.40	142	22086	3.748	ug/l 98
11) Tert butyl alcohol	2.81	59	108697	87.009	ug/l 98
12) 1,1-Dichloroethene	2.27	96	85391	20.175	ug/l 98
13) Acrolein	2.18	56	41644	79.241	ug/l 94
14) Allyl chloride	2.58	41	154826m	19.456	ug/l
15) Acrylonitrile	2.92	53	286864	100.068	ug/l 100
16) Acetone	2.31	43	243655	88.148	ug/l 99
17) Carbon Disulfide	2.47	76	266719	19.911	ug/l 100
18) Methyl Acetate	2.60	43	134817	18.874	ug/l 99
19) Methyl tert-butyl Ether	2.98	73	286875	20.686	ug/l 100
20) Methylene Chloride	2.68	84	103237	19.729	ug/l 98
21) trans-1,2-Dichloroethene	2.97	96	92216	20.075	ug/l 98
22) Diisopropyl ether	3.55	45	304571	20.887	ug/l 96
23) Vinyl Acetate	3.50	43	1276734	101.923	ug/l 99
24) 1,1-Dichloroethane	3.43	63	177071	20.568	ug/l 99
25) 2-Butanone	4.24	43	375348	97.602	ug/l 99
26) 2,2-Dichloropropane	4.20	77	131650	18.793	ug/l 99
27) cis-1,2-Dichloroethene	4.20	96	103445	20.064	ug/l 99
28) Bromochloromethane	4.52	49	83349	19.651	ug/l 97
29) Tetrahydrofuran	4.61	42	243708	102.760	ug/l 99
30) Chloroform	4.65	83	167240	19.470	ug/l 97
31) Cyclohexane	4.97	56	160461	19.836	ug/l 95
32) 1,1,1-Trichloroethane	4.89	97	141617	20.131	ug/l 98
36) 1,1-Dichloropropene	5.12	75	126541	19.366	ug/l 98
37) Ethyl Acetate	4.36	43	138365	18.909	ug/l 99
38) Carbon Tetrachloride	5.11	117	121916	19.329	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	145809	18.932	ug/l	96
40) Benzene	5.37	78	387601	19.606	ug/l	100
41) Methacrylonitrile	4.52	41	74617	19.883	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133290	19.524	ug/l	99
43) Isopropyl Acetate	5.53	43	212056	19.049	ug/l	99
44) Trichloroethene	6.17	130	102800	19.801	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106335	19.539	ug/l	99
46) Dibromomethane	6.54	93	66606	18.997	ug/l	98
47) Bromodichloromethane	6.74	83	131145	19.118	ug/l	100
48) Methyl methacrylate	6.60	41	99912	18.599	ug/l	97
49) 1,4-Dioxane	6.59	88	44813	332.948	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	717070	93.272	ug/l	100
52) Toluene	7.62	92	239976	19.705	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	138412	18.184	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	155735	18.728	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94446	18.334	ug/l	98
56) Ethyl methacrylate	8.00	69	142012	17.268	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167381	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	275684	96.733	ug/l	100
59) 2-Hexanone	8.34	43	531295	91.544	ug/l	100
60) Dibromochloromethane	8.46	129	101716	18.394	ug/l	99
61) 1,2-Dibromoethane	8.57	107	101212	18.651	ug/l	99
64) Tetrachloroethene	8.21	164	89194	20.411	ug/l	98
65) Chlorobenzene	9.10	112	261280	19.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91237	18.790	ug/l	99
67) Ethyl Benzene	9.23	91	446150	19.655	ug/l	100
68) m/p-Xylenes	9.36	106	344666	39.933	ug/l	100
69) o-Xylene	9.76	106	161792	19.539	ug/l	97
70) Styrene	9.77	104	283217	19.948	ug/l	100
71) Bromoform	9.94	173	74959	17.768	ug/l #	98
73) Isopropylbenzene	10.15	105	441025	18.910	ug/l	100
74) N-amyl acetate	10.00	43	182466	18.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	164027	18.376	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	140227m	17.919	ug/l	
77) Bromobenzene	10.43	156	114473	18.247	ug/l	97
78) n-propylbenzene	10.57	91	521142	19.188	ug/l	99
79) 2-Chlorotoluene	10.64	91	314259	19.290	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	390502	19.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	27367m	11.776	ug/l	
82) 4-Chlorotoluene	10.76	91	357816	19.098	ug/l	100
83) tert-Butylbenzene	11.08	119	358856	18.442	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	383636	19.545	ug/l	99
85) sec-Butylbenzene	11.31	105	443741	19.026	ug/l	100
86) p-Isopropyltoluene	11.46	119	411467	19.507	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	210829	18.982	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	212969	18.960	ug/l	99
89) n-Butylbenzene	11.87	91	364737	19.613	ug/l	100
90) Hexachloroethane	12.13	117	55645	15.258	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	203096	19.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31015	17.441	ug/l	100

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QLast Update : Thu Aug 29 04:11:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	137041	18.819	ug/l	98
94) Hexachlorobutadiene	13.67	225	76981	18.496	ug/l	99
95) Naphthalene	13.73	128	376893	18.558	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	138313	20.294	ug/l	99

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

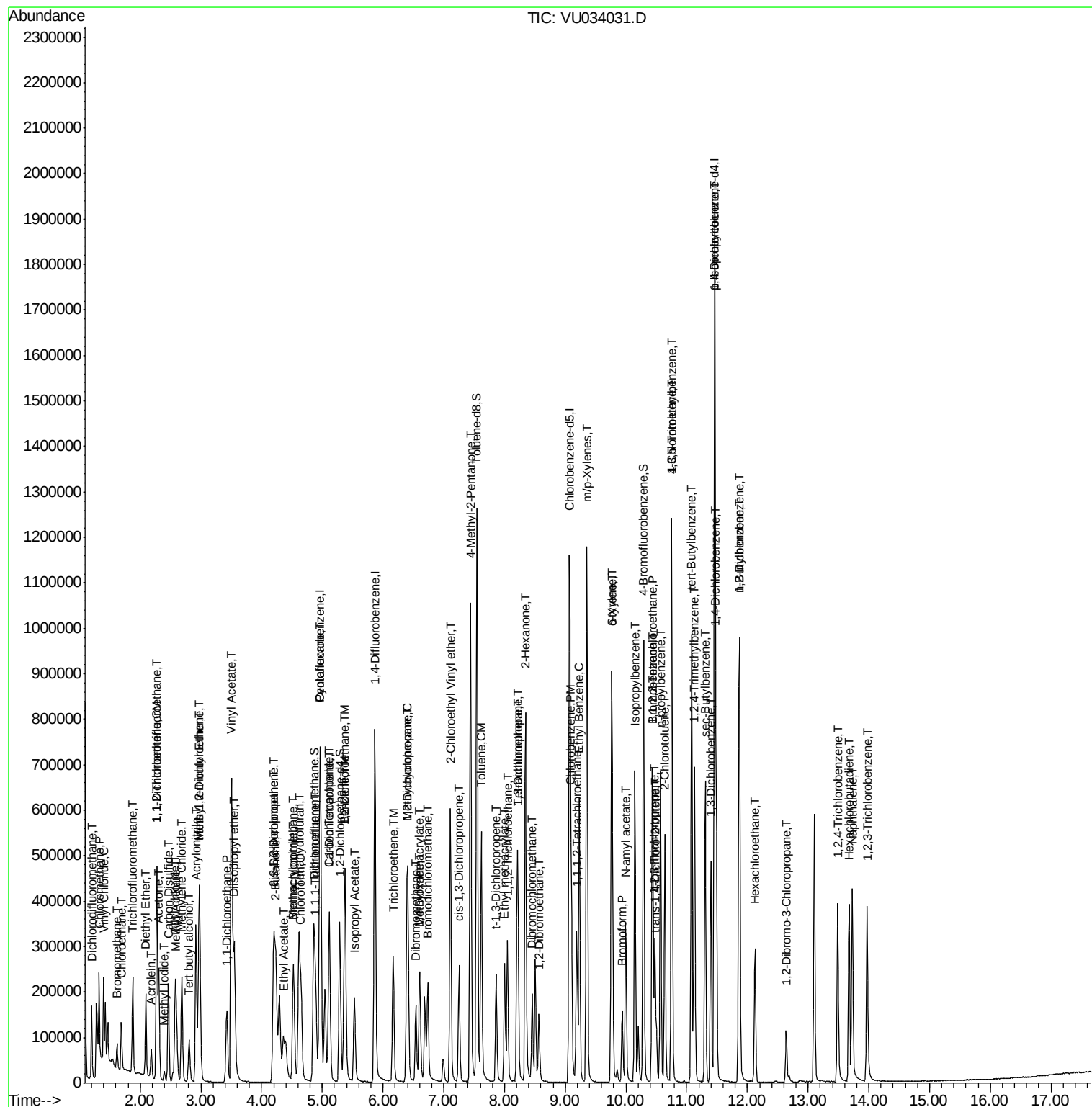
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Data File : VU034031.D
Acq On : 28 Aug 2019 18:28
Operator : JC/SP
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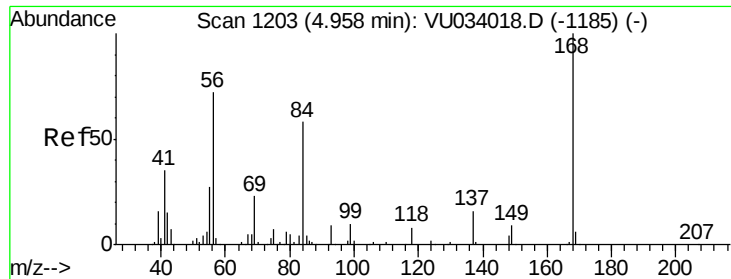
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion:168 Resp: 422787

Ion Ratio Lower Upper

168 100

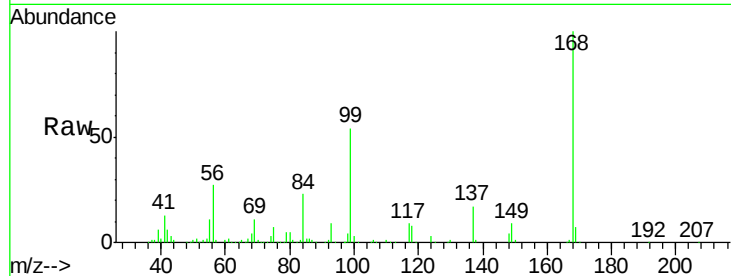
99 53.7 42.3 63.5

Manual Integrations

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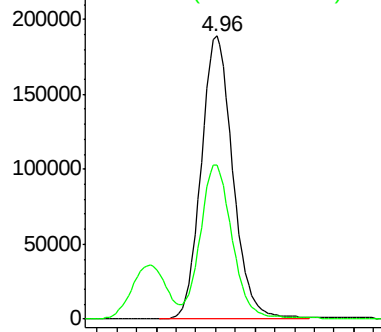
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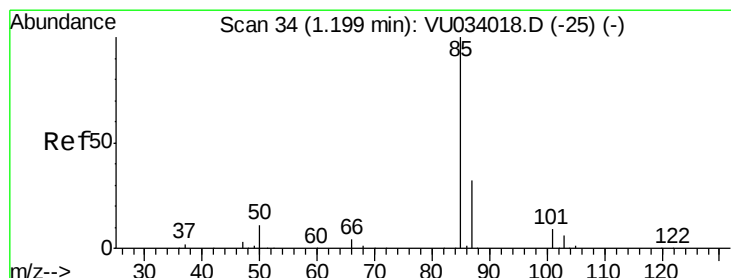
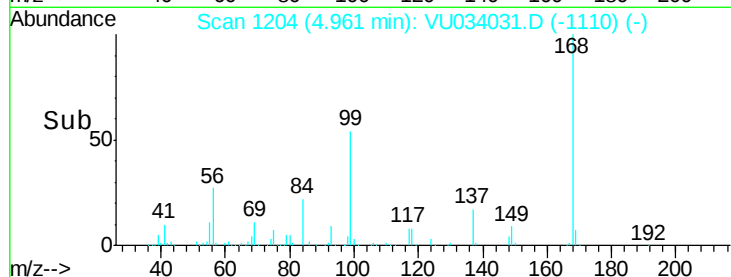


Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



Time-->



#2

Dichlorodifluoromethane

Concen: 20.748 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034031.D

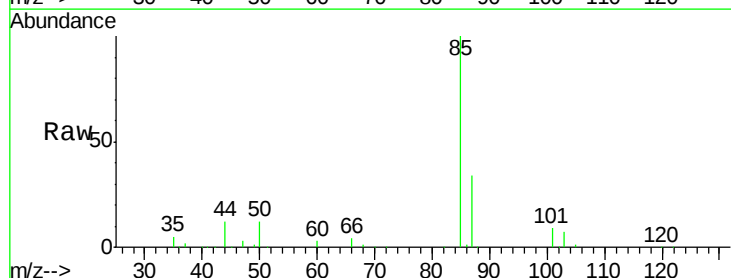
Acq: 28 Aug 2019 18:28

Tgt Ion: 85 Resp: 88222

Ion Ratio Lower Upper

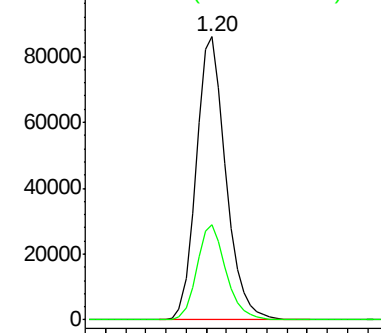
85 100

87 33.5 16.1 48.3

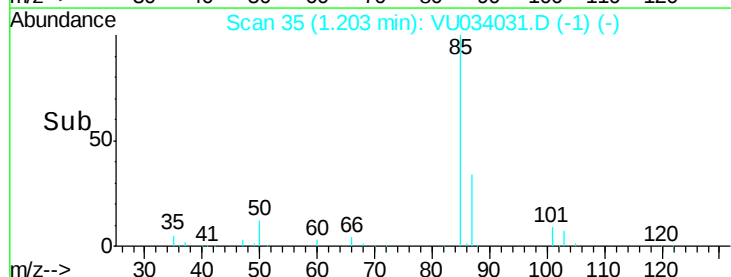


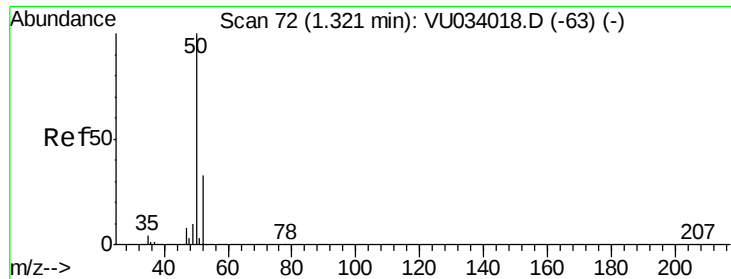
Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0



Time-->





#3

Chloromethane

Concen: 17.274 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 50 Resp: 105864

Ion Ratio Lower Upper

50 100

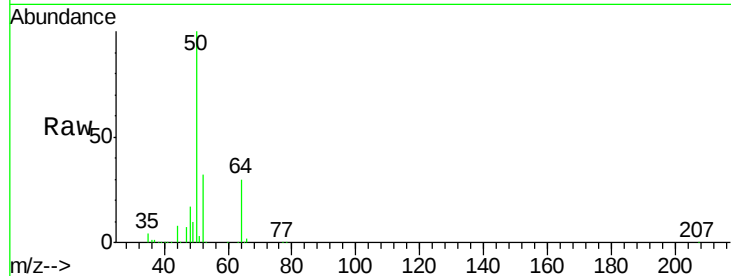
52 32.1 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VU034031.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034031.D (-1) (-)

1.32

120000

100000

80000

60000

40000

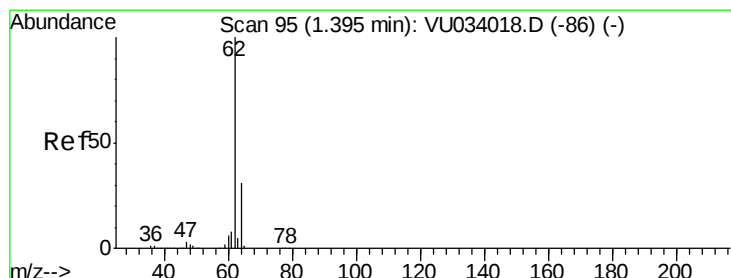
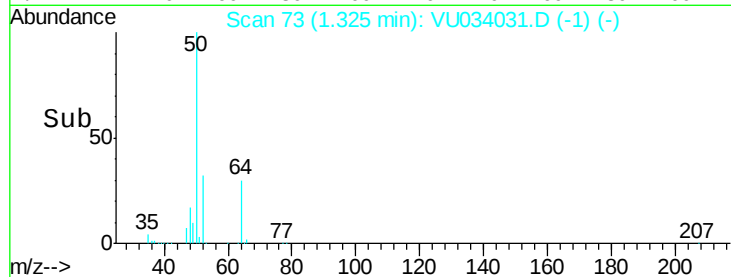
20000

0

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 19.739 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034031.D

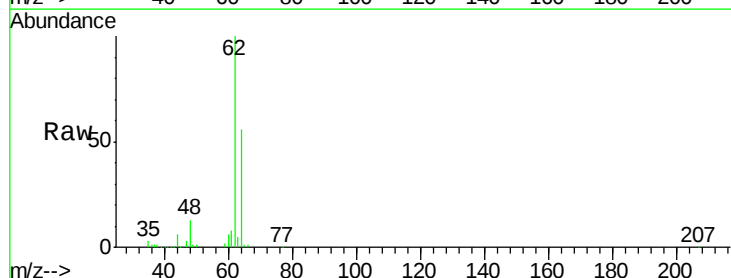
Acq: 28 Aug 2019 18:28

Tgt Ion: 62 Resp: 111709

Ion Ratio Lower Upper

62 100

64 29.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034031.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034031.D (-2) (-)

1.40

120000

100000

80000

60000

40000

20000

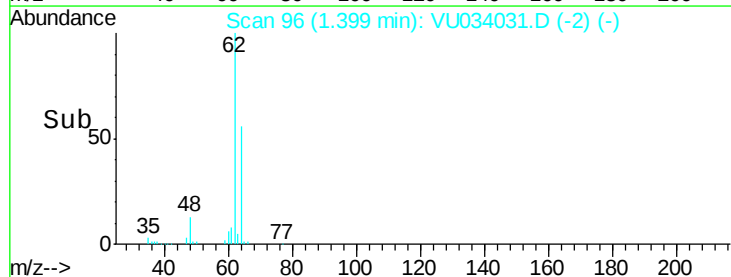
0

1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 4.363 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 94 Resp: 26329

Ion Ratio Lower Upper

94 100

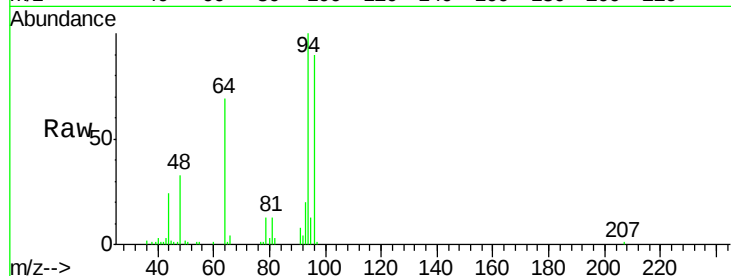
96 89.7 76.3 114.5

Manual Integrations

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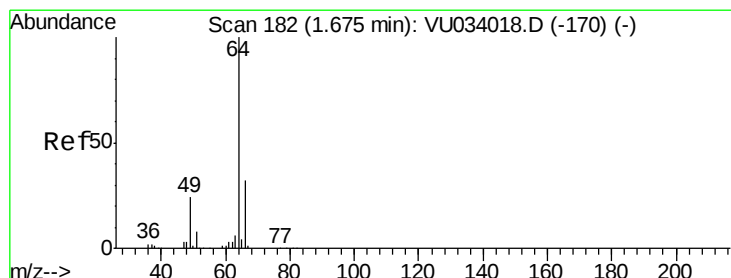
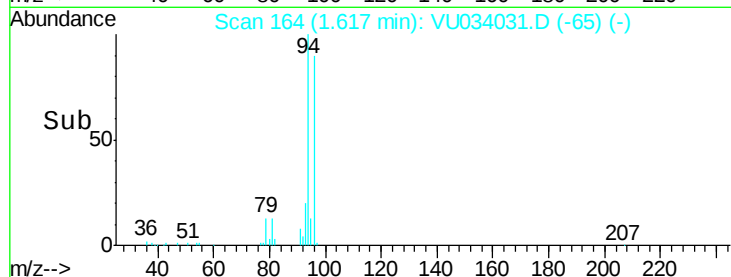
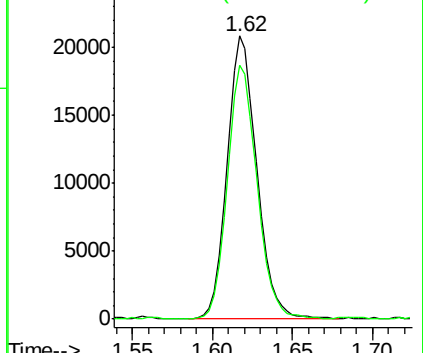
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.724 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034031.D

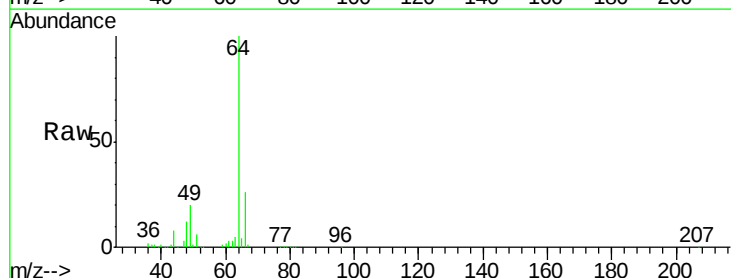
Acq: 28 Aug 2019 18:28

Tgt Ion: 64 Resp: 68240

Ion Ratio Lower Upper

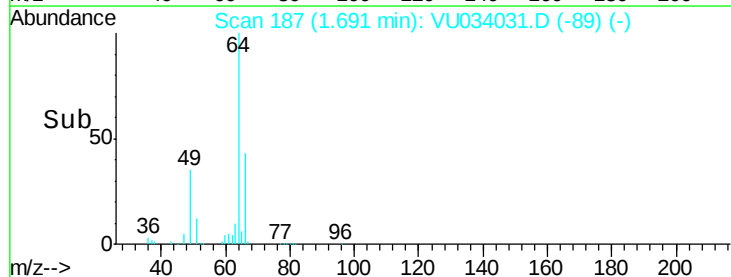
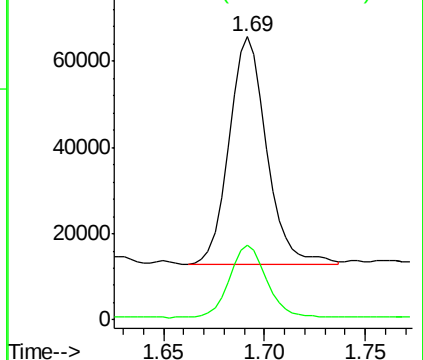
64 100

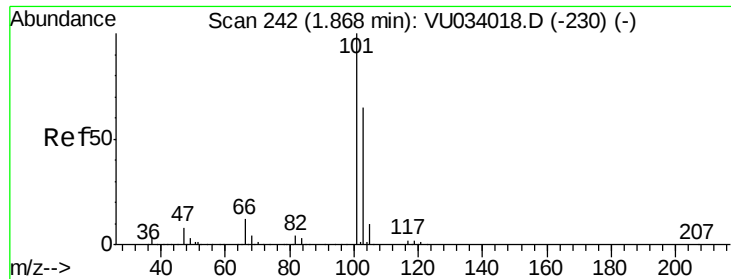
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

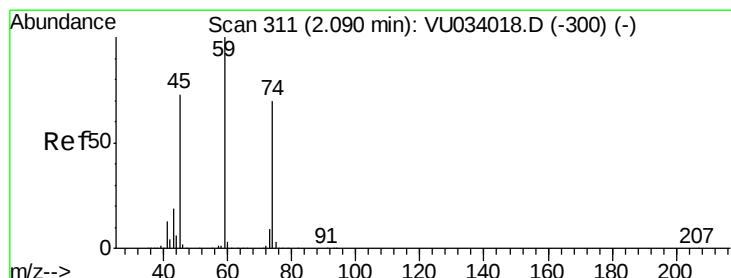
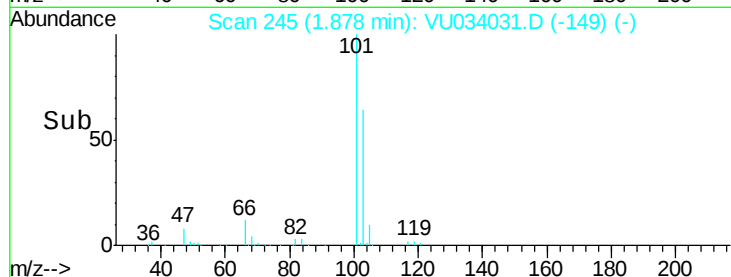
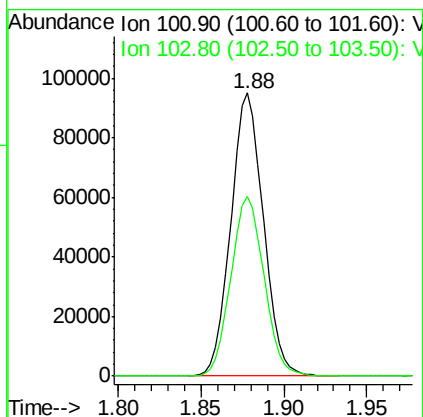
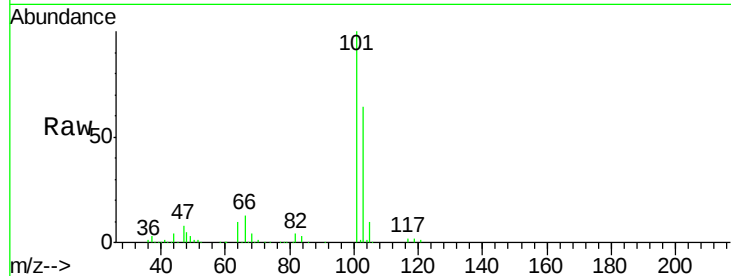
Trichlorofluoromethane
 Concen: 19.825 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	129998		
103	63.6	52.1	78.1	

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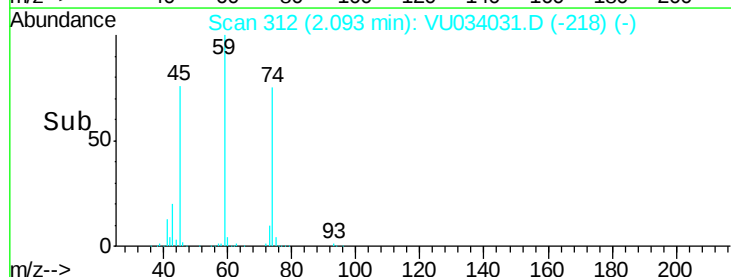
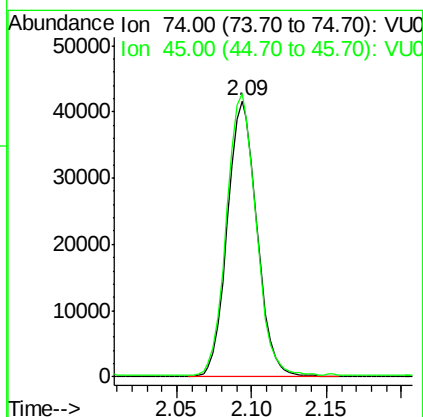
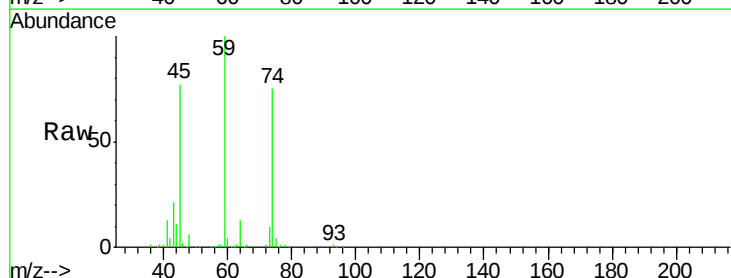
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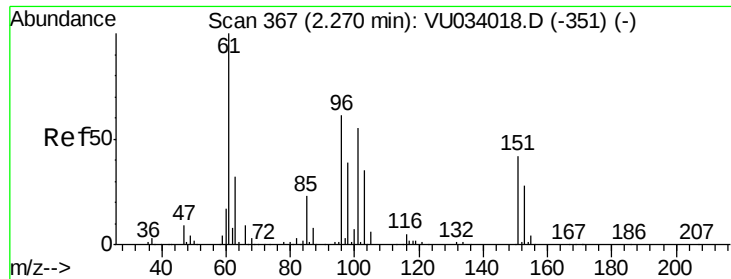


#8

Diethyl Ether
 Concen: 20.453 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57374		
45	102.2	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.884 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

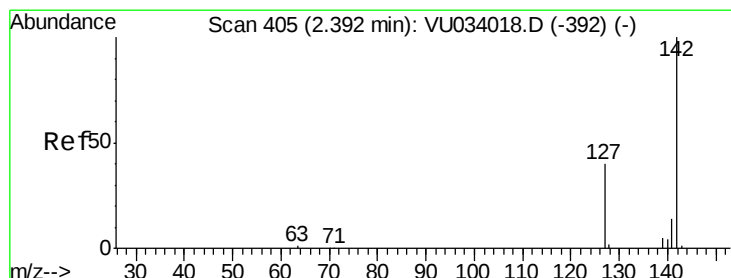
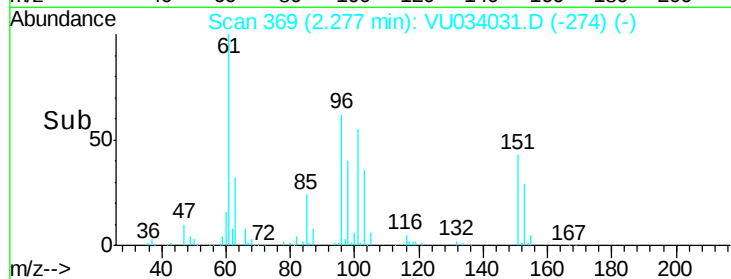
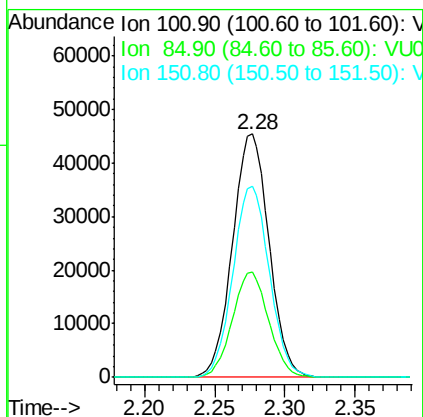
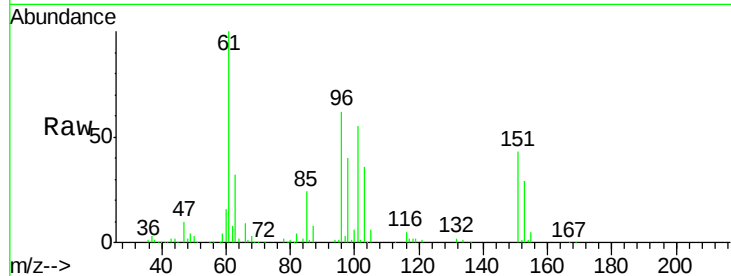
ClientSampleId :

VU0829WBSD01

Tot Ion:	101	Resp:	82602
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	78.3	61.4	92.2

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#10

Methyl Iodide

Concen: 3.748 ug/l

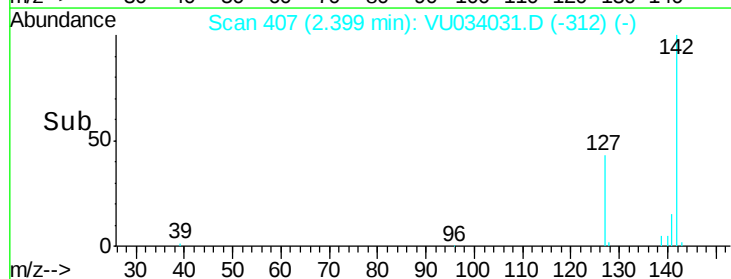
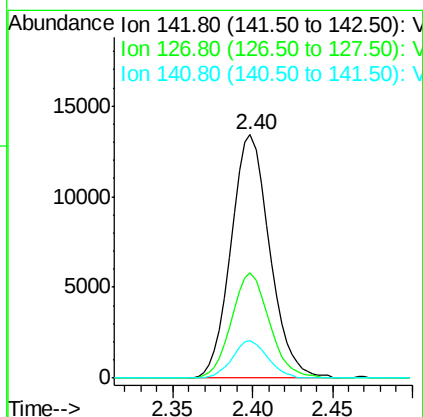
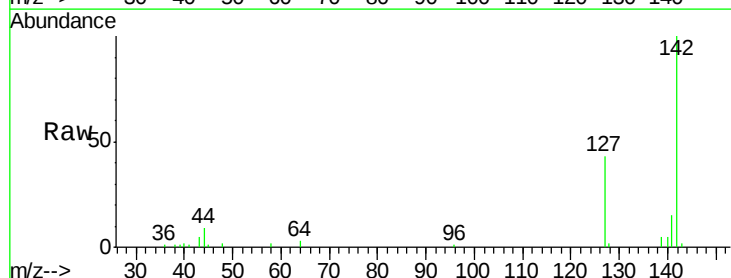
RT: 2.40 min Scan# 407

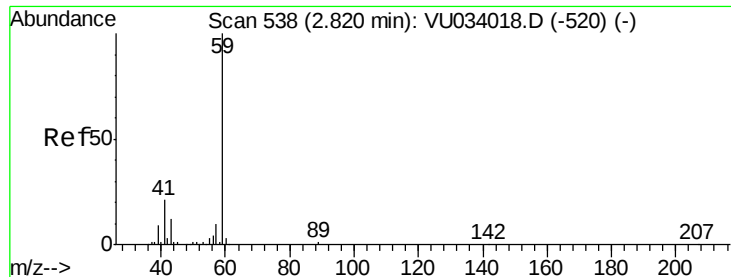
Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	142	Resp:	22086
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.6	48.8
141	14.0	11.3	16.9





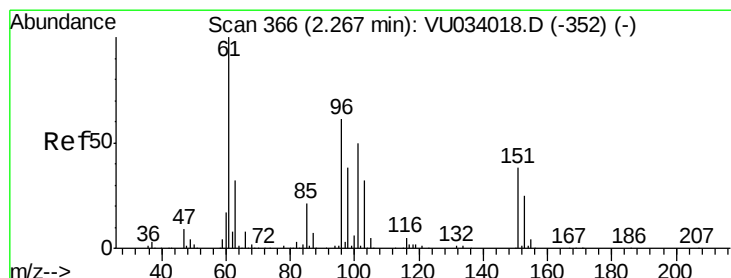
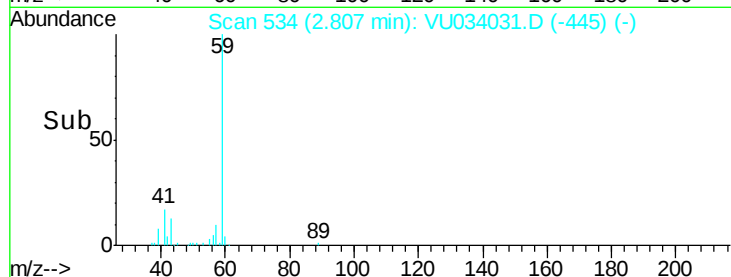
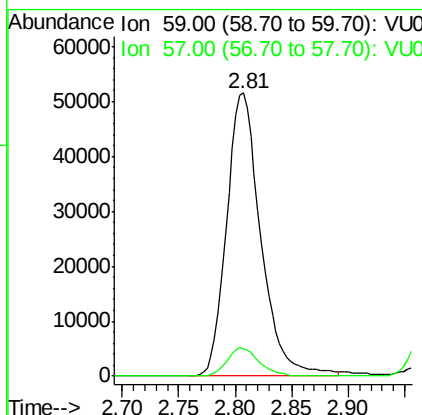
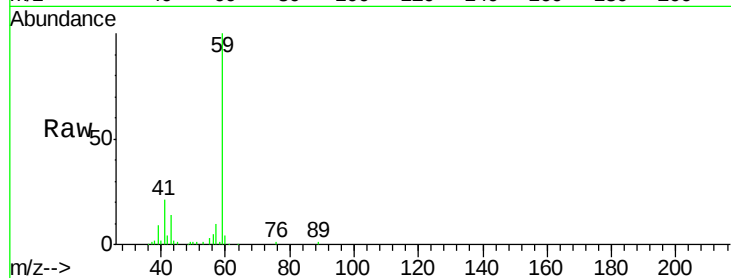
#11
Tert butyl alcohol
Concen: 87.009 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	108697		
57	9.4	8.0	12.0	

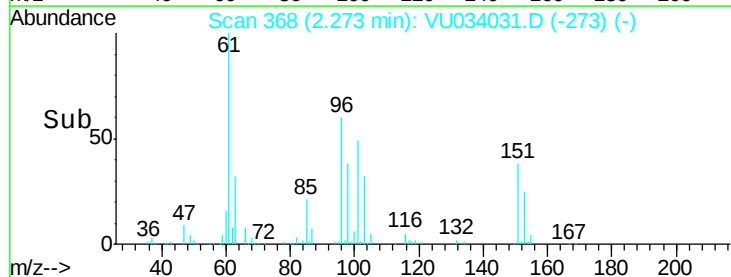
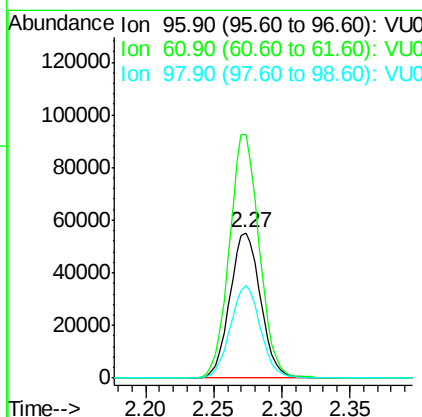
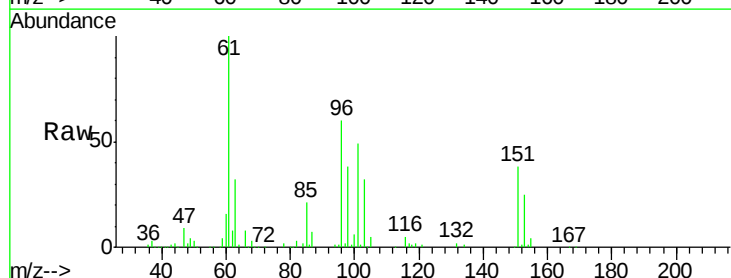
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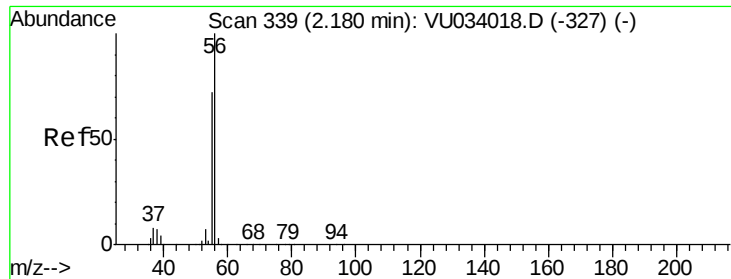
MMDadoda
8/29/2019 8:47:31 AM



#12
1,1-Dichloroethene
Concen: 20.175 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	85391		
61	167.5	131.3	196.9	
98	63.7	50.3	75.5	





#13

Acrolein

Concen: 79.241 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 56 Resp: 41644

Ion Ratio Lower Upper

56 100

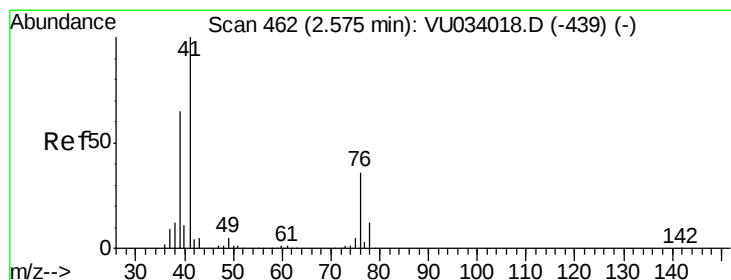
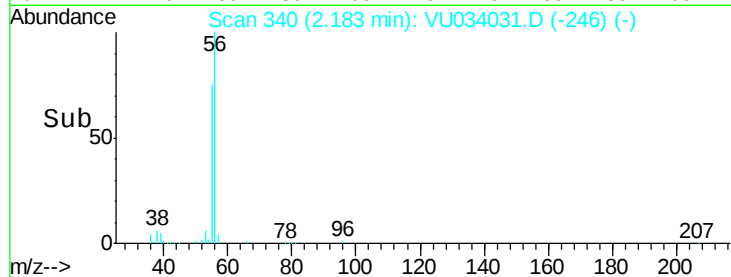
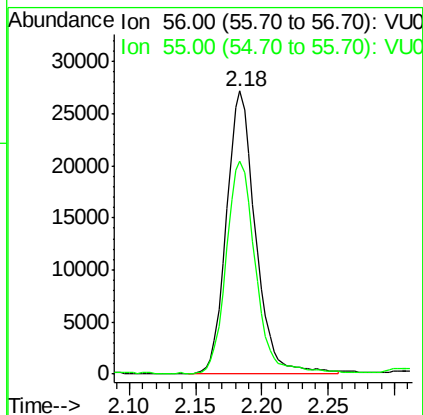
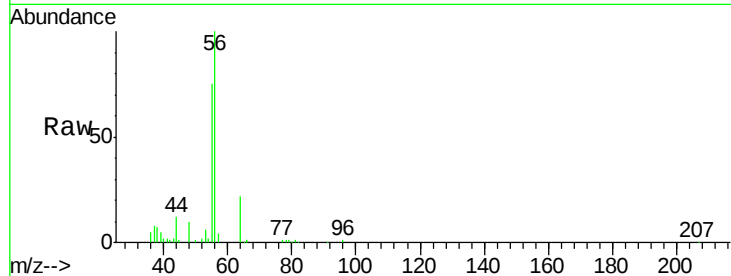
55 76.6 57.1 85.7

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#14

Allyl chloride

Concen: 19.456 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

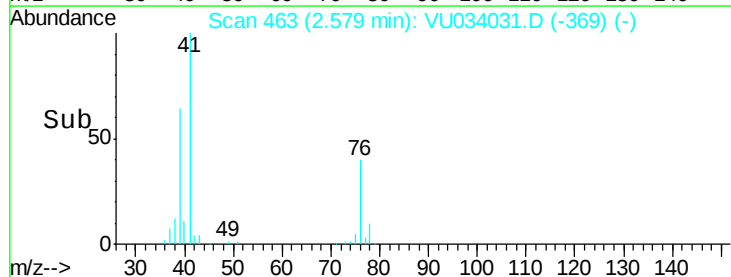
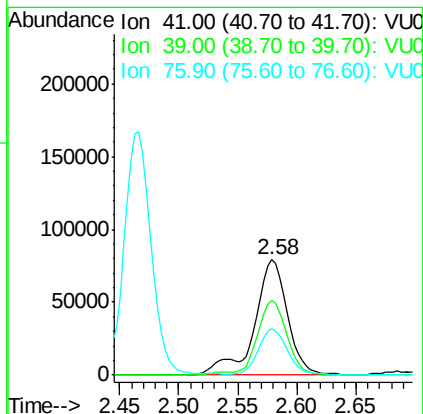
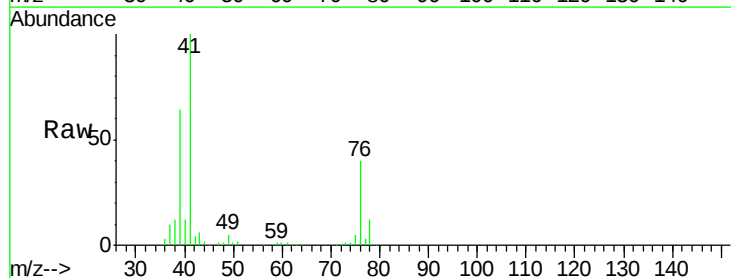
Tgt Ion: 41 Resp: 154826

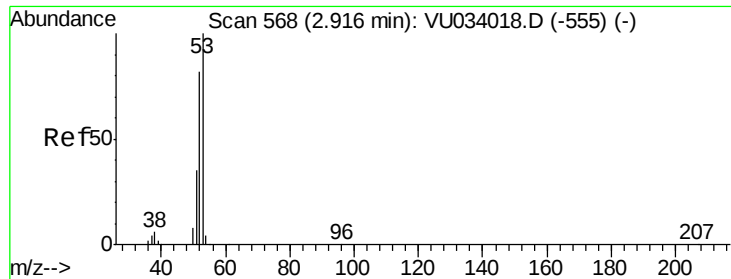
Ion Ratio Lower Upper

41 100

39 55.9 46.8 70.2

76 34.3 26.6 40.0





#15

Acrylonitrile

Concen: 100.068 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

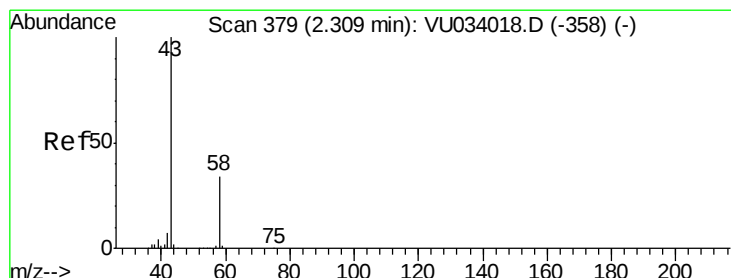
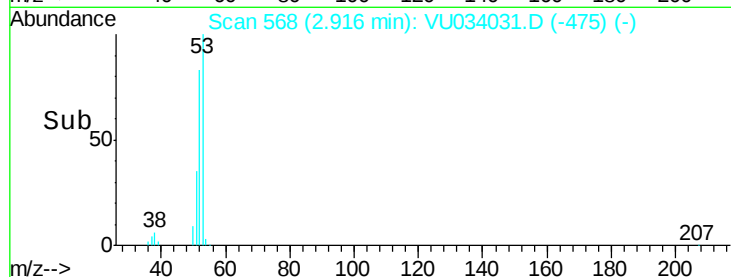
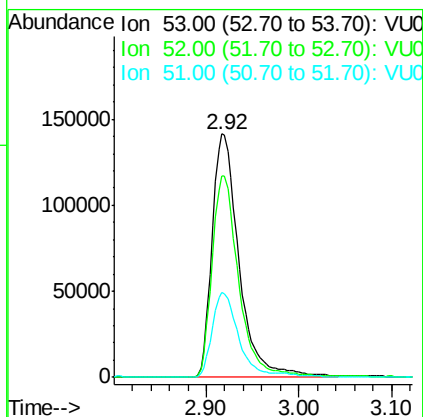
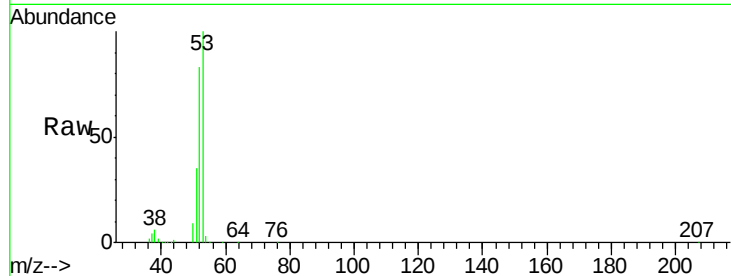
ClientSampleId :

VU0829WBSD01

Tot Ion:	53	Resp:	286864
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.7	98.5
51	35.2	27.9	41.9

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#16

Acetone

Concen: 88.148 ug/l

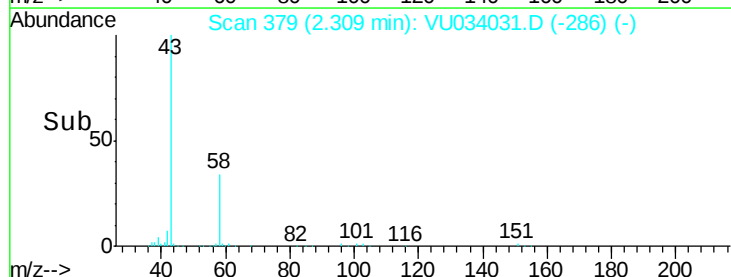
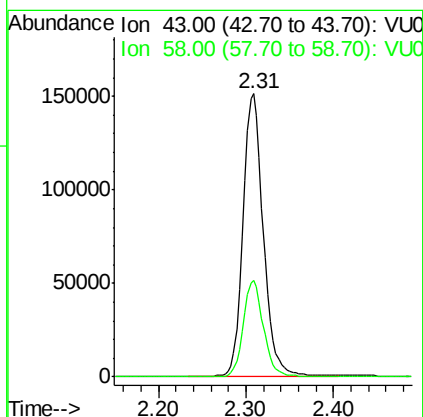
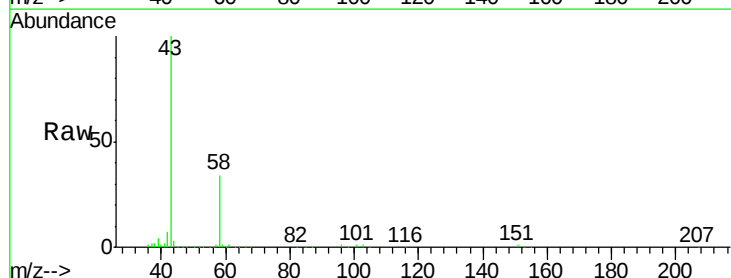
RT: 2.31 min Scan# 379

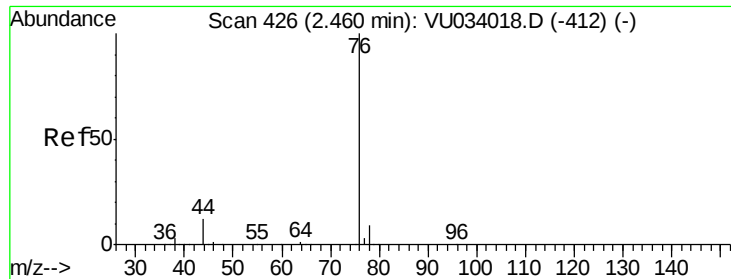
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	43	Resp:	243655
Ion Ratio	Lower	Upper	
43	100		
58	34.0	26.8	40.2





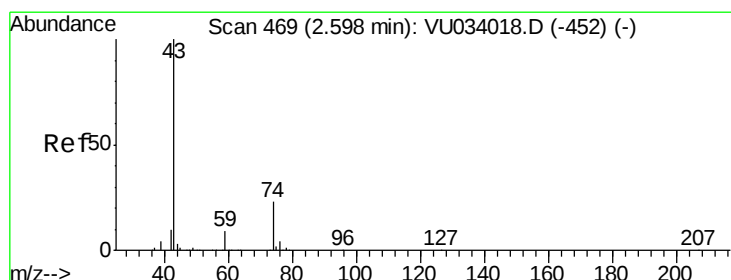
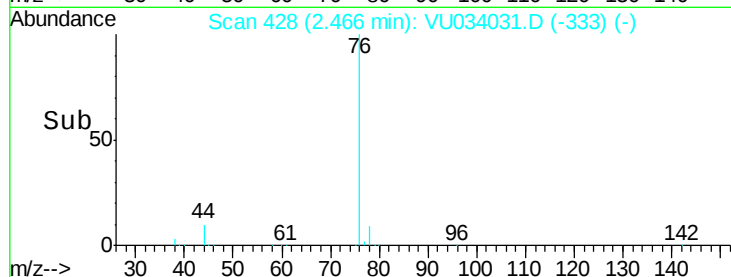
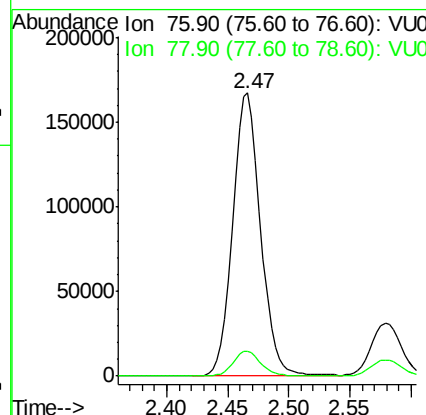
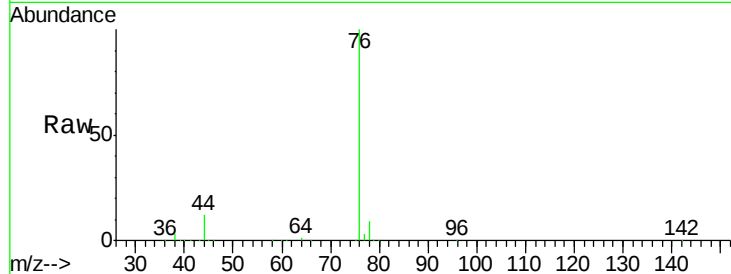
#17
Carbon Disulfide
Concen: 19.911 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

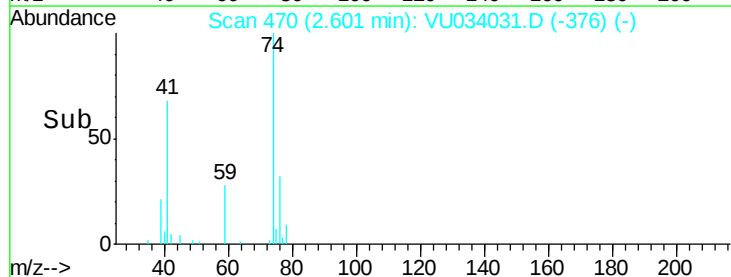
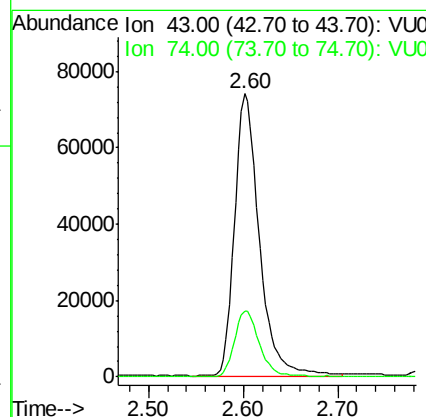
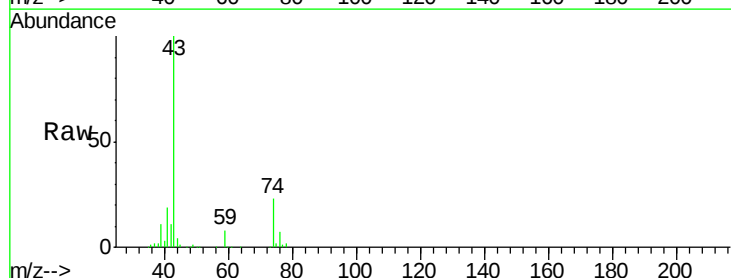
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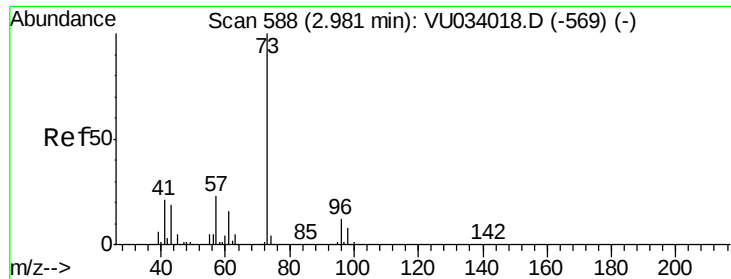
MMDadoda
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#18
Methyl Acetate
Concen: 18.874 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





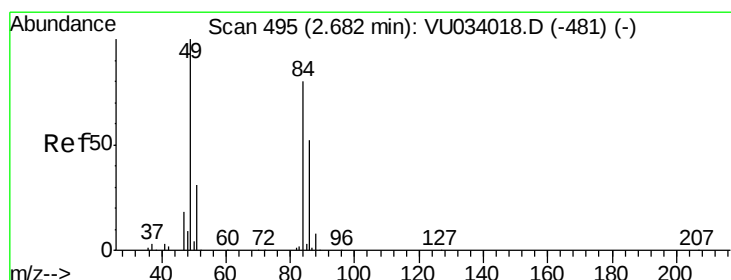
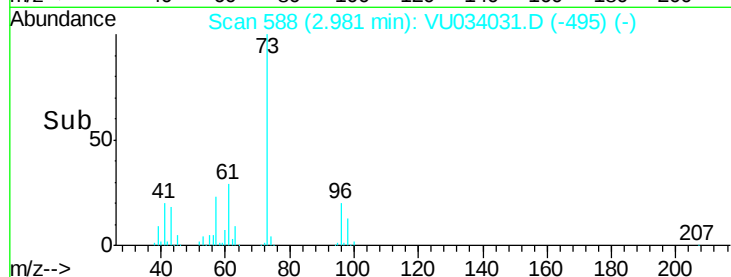
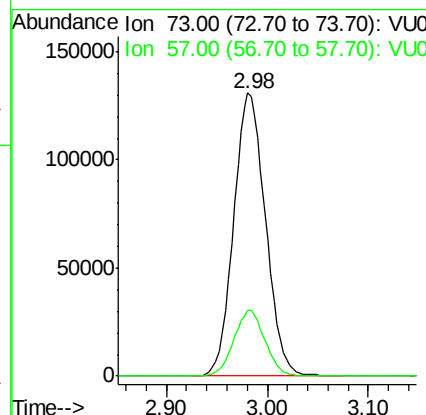
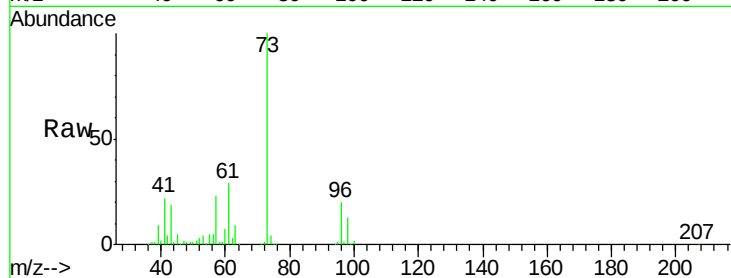
#19
Methvl tert-butvl Ether
Concen: 20.686 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

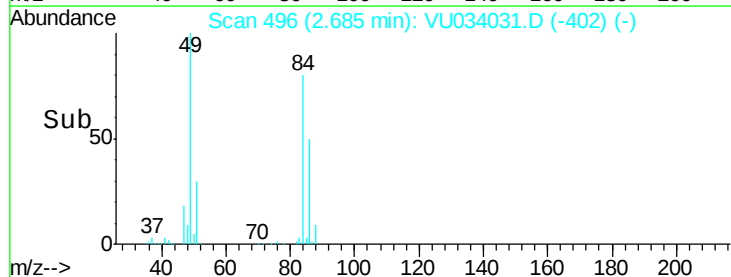
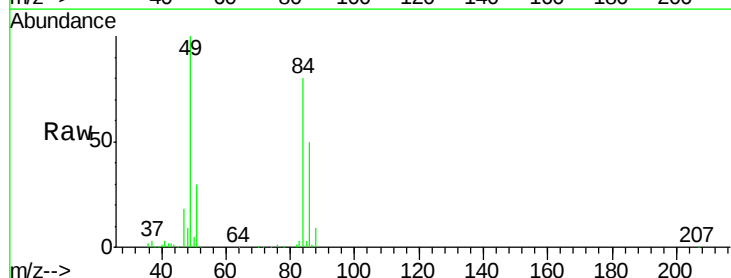
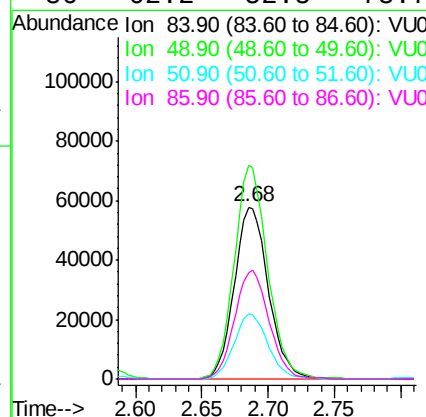
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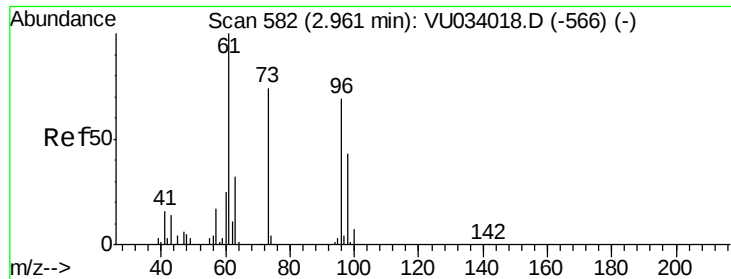
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#20
Methylene Chloride
Concen: 19.729 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	100.2	150.4
51	37.9	30.8	46.2
86	62.2	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.075 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

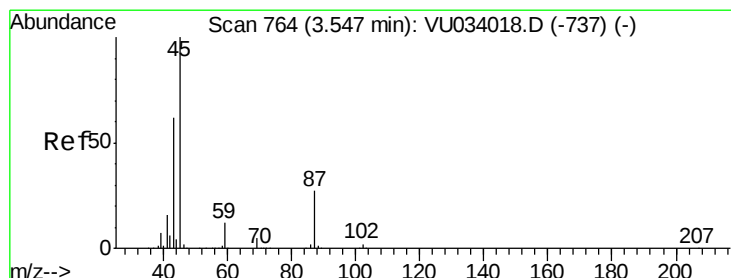
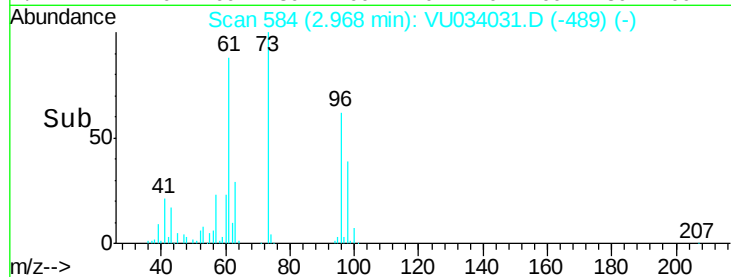
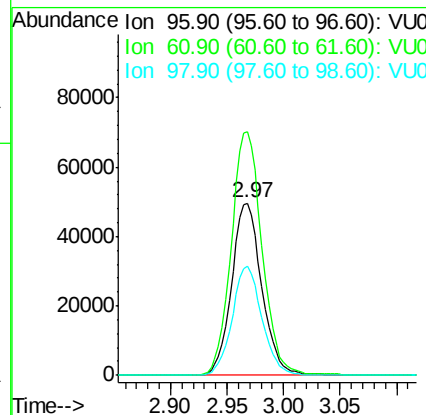
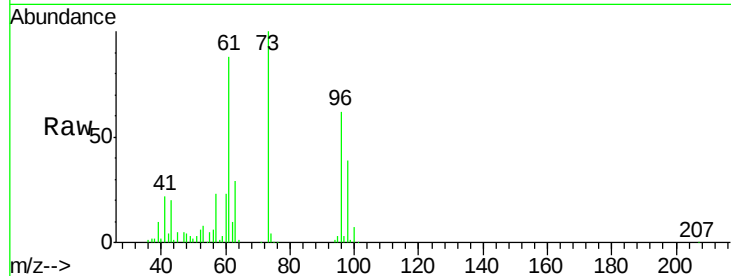
ClientSampleId :

VU0829WBSD01

Tot Ion:	96	Resp:	92216
Ion	Ratio	Lower	Upper
96	100		
61	141.6	115.5	173.3
98	63.2	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.887 ug/l

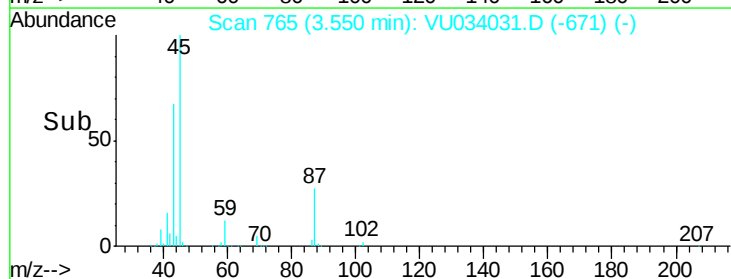
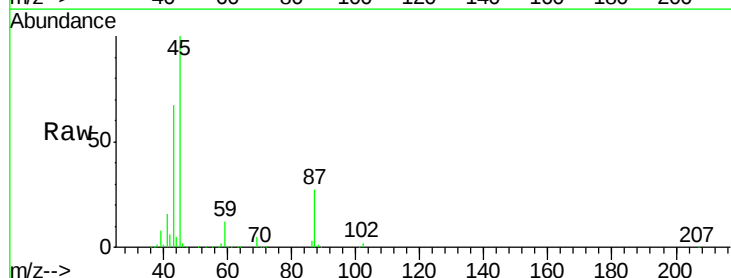
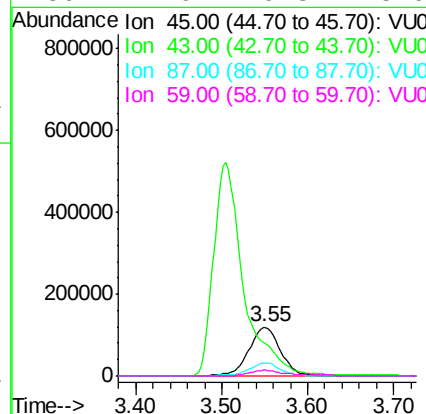
RT: 3.55 min Scan# 765

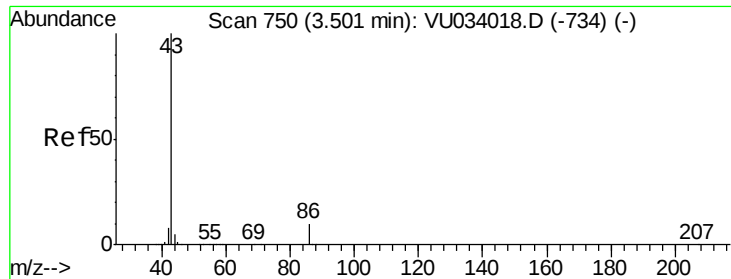
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	45	Resp:	304571
Ion	Ratio	Lower	Upper
45	100		
43	66.9	49.7	74.5
87	27.1	21.8	32.8
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 101.923 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 43 Resp: 1276734

Ion Ratio Lower Upper

43 100

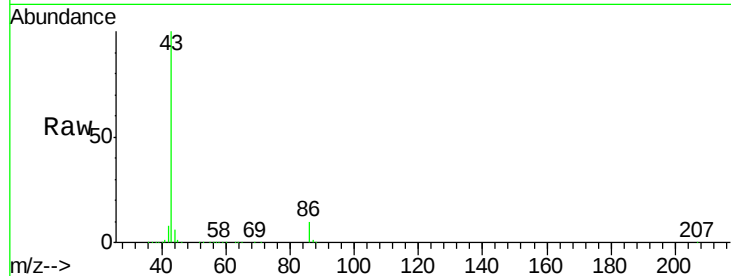
86 10.2 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034031.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034031.D (-657) (-)

3.50

600000

500000

400000

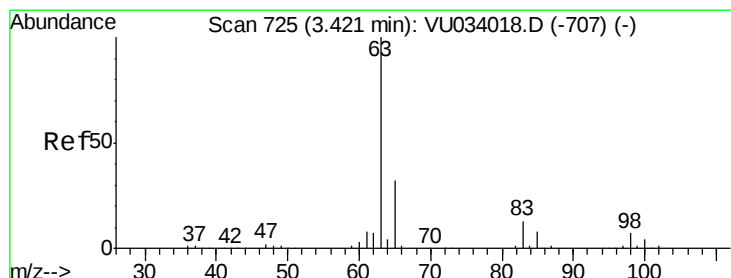
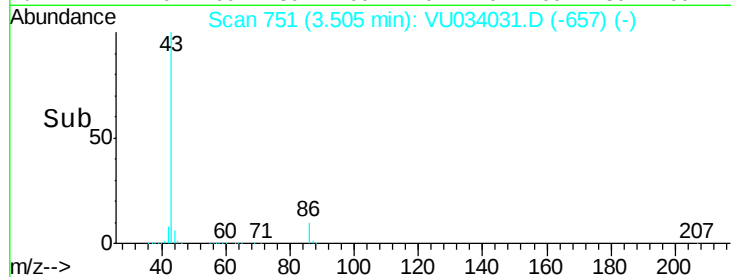
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.568 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

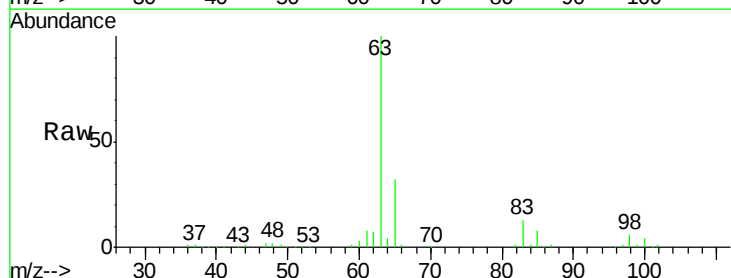
Tgt Ion: 63 Resp: 177071

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034031.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034031.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034031.D (-632) (-)

3.43

100000

80000

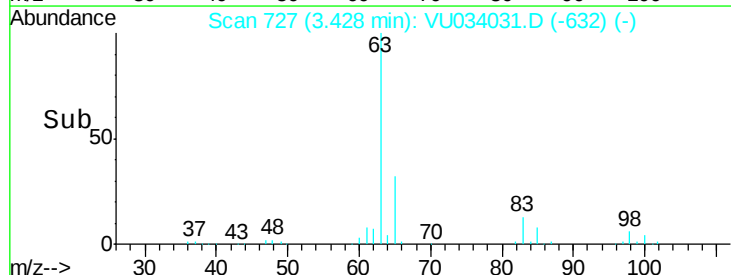
60000

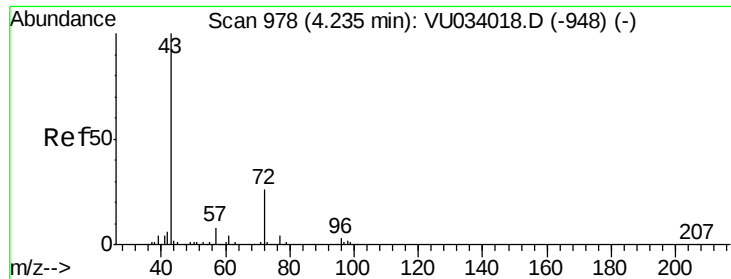
40000

20000

0

Time-->





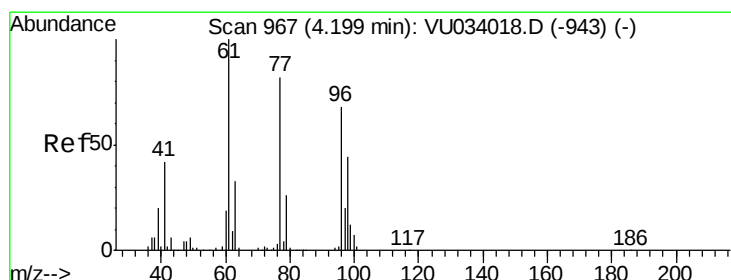
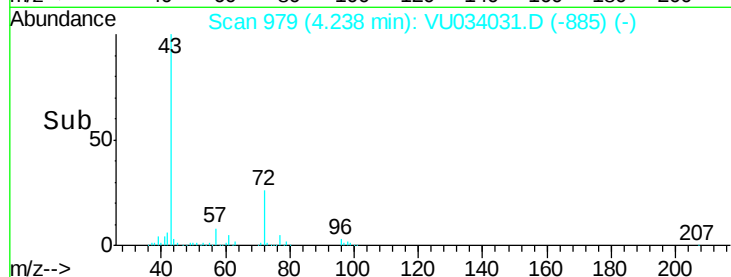
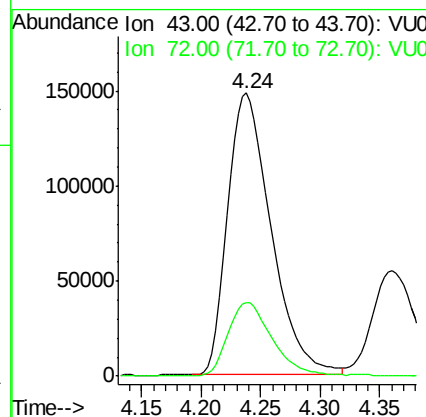
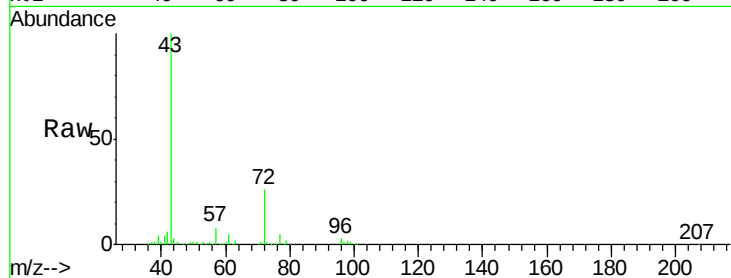
#25
2-Butanone
Concen: 97.602 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion: 43 Resp: 375348
Ion Ratio Lower Upper
43 100
72 25.9 21.2 31.8

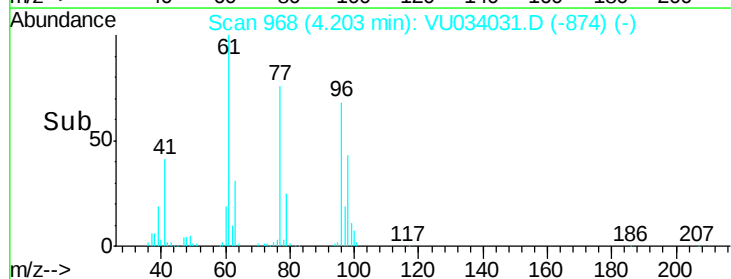
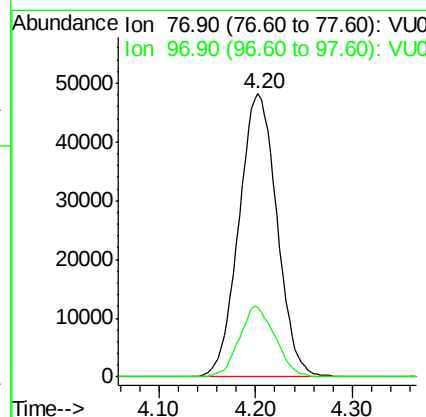
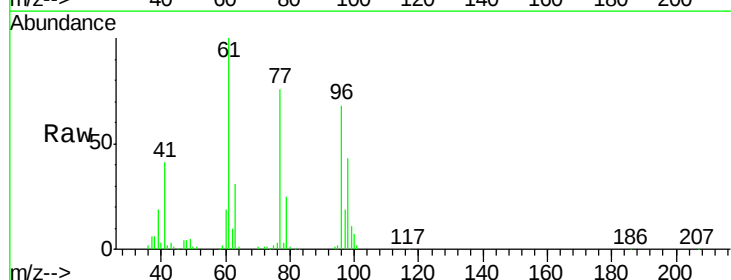
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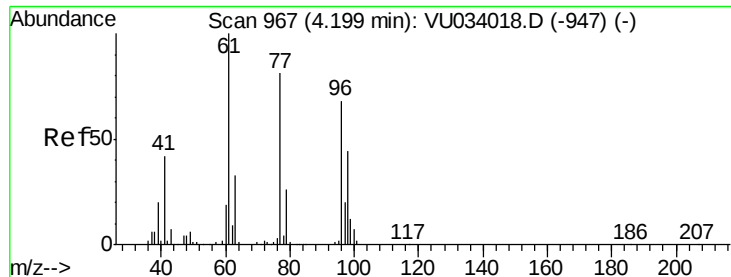
MMDadoda
8/29/2019 8:47:31 AM



#26
2,2-Dichloropropane
Concen: 18.793 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 77 Resp: 131650
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.7





#27

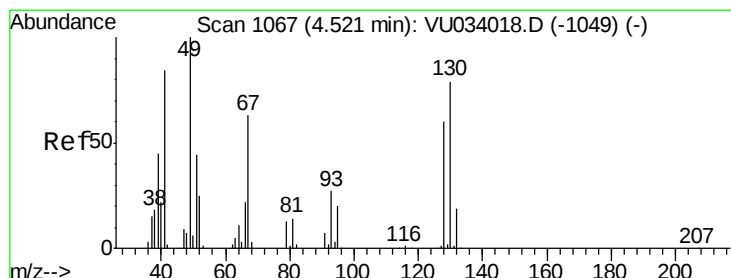
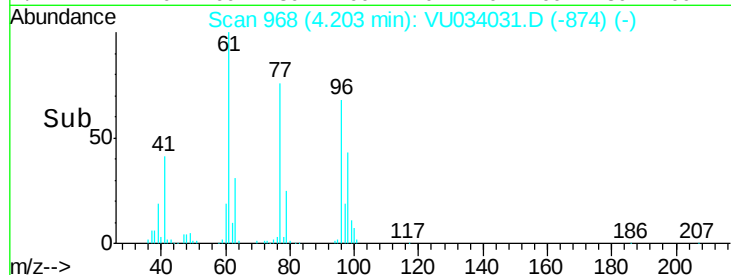
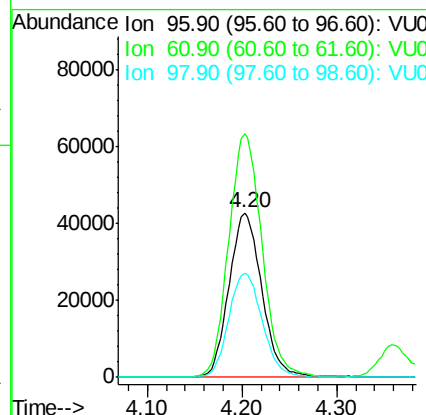
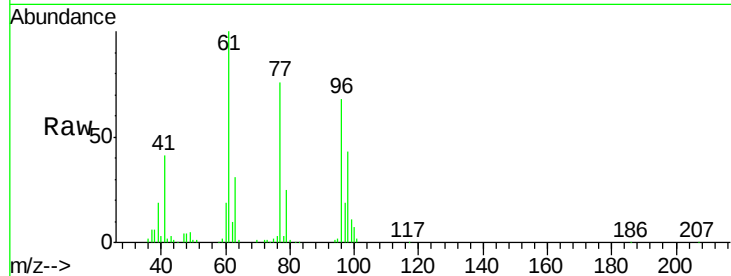
cis-1,2-Dichloroethene
Concen: 20.064 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.5	0.0	303.0	
98	64.4	0.0	129.2	

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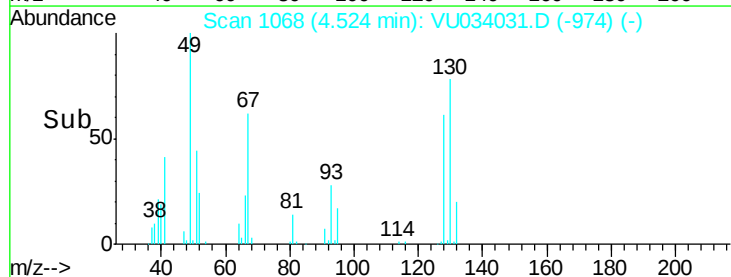
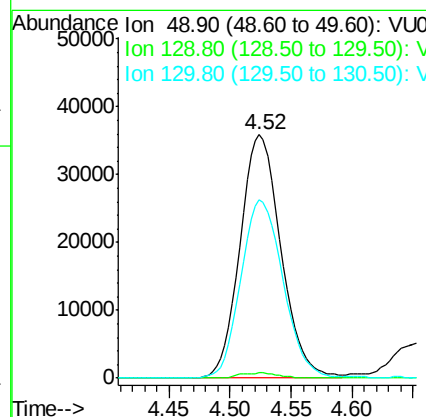
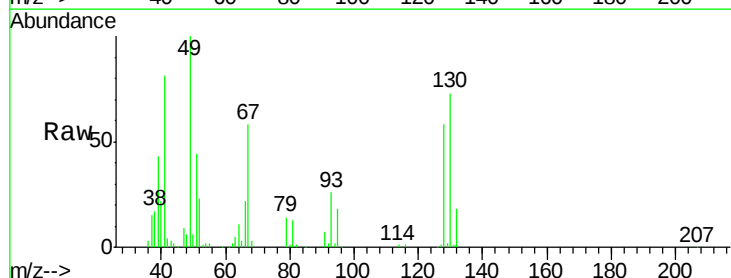
MMDadoda
8/29/2019 8:47:31 AM

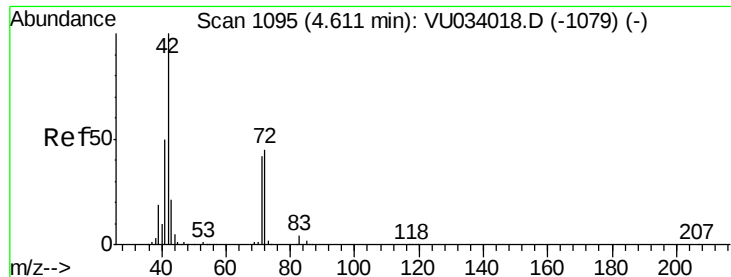


#28

Bromochloromethane
Concen: 19.651 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	75.5	62.8	94.2	





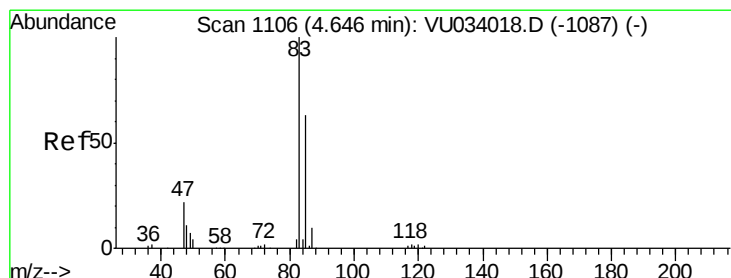
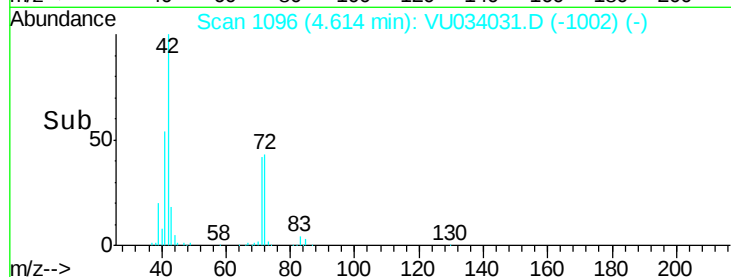
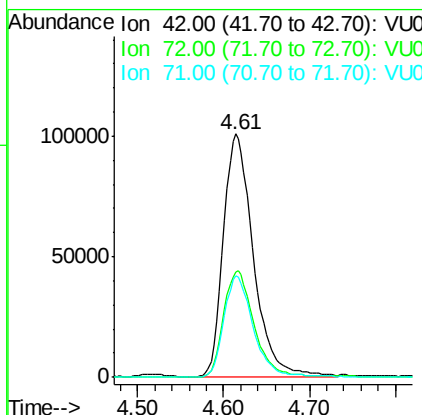
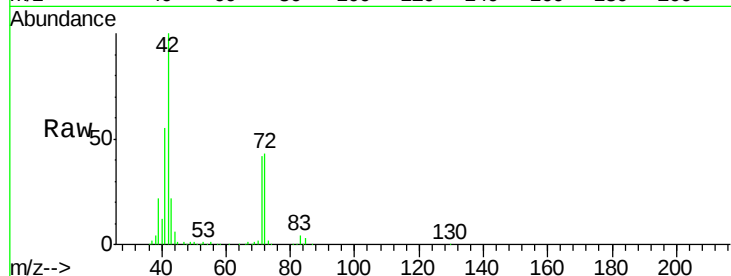
#29
Tetrahydrofuran
Concen: 102.760 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.8	53.6
71	41.1	34.0	51.0

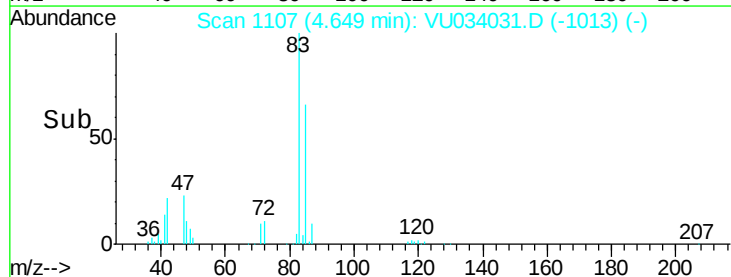
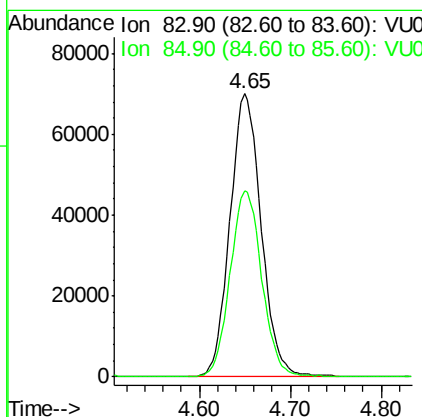
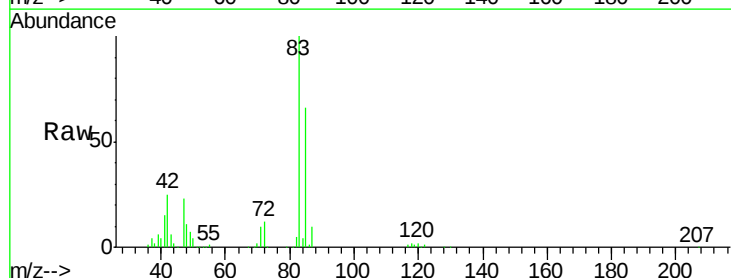
Manual Integrations
APPROVED

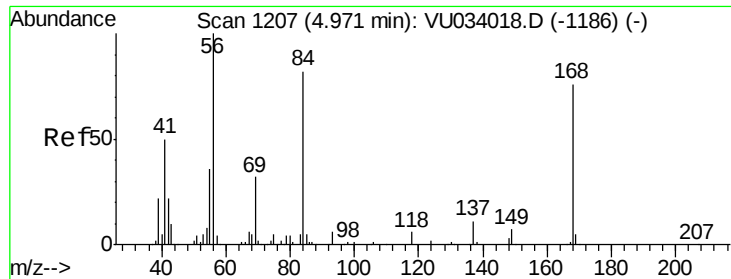
MMDadoda
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#30
Chloroform
Concen: 19.470 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.7	76.1





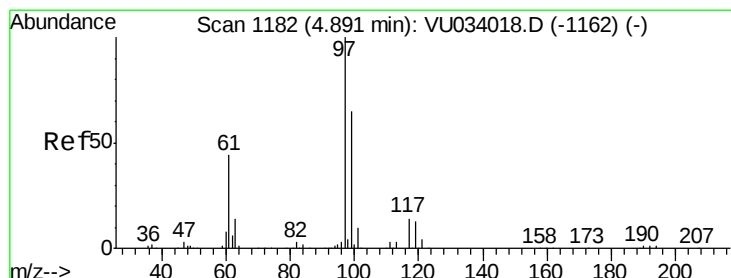
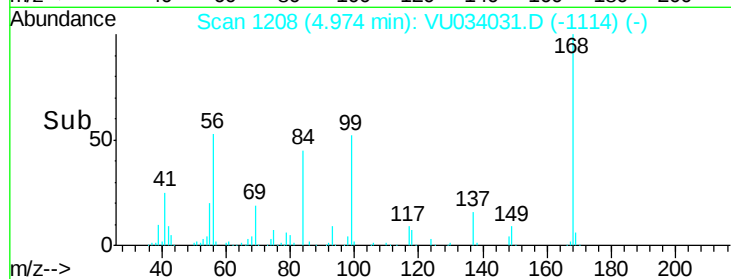
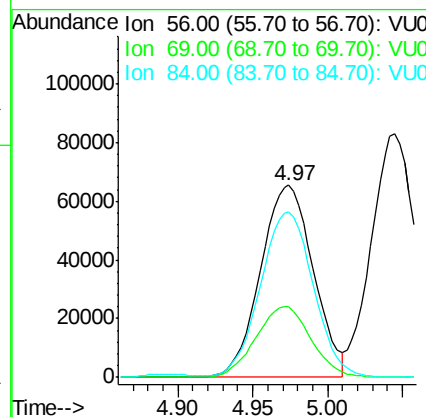
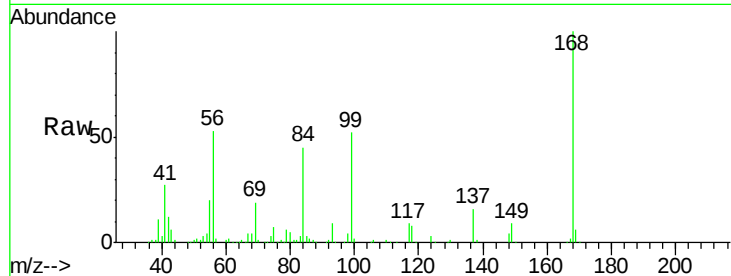
#31
Cyclohexane
Concen: 19.836 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.4	38.0
84	85.1	65.8	98.8

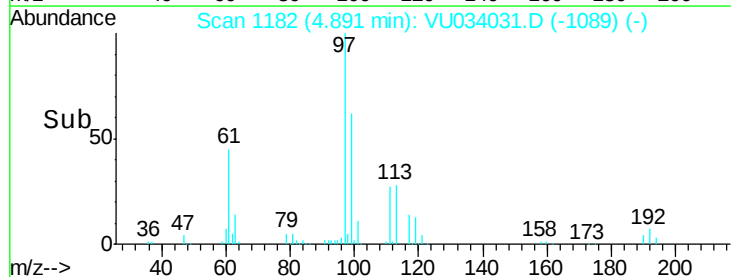
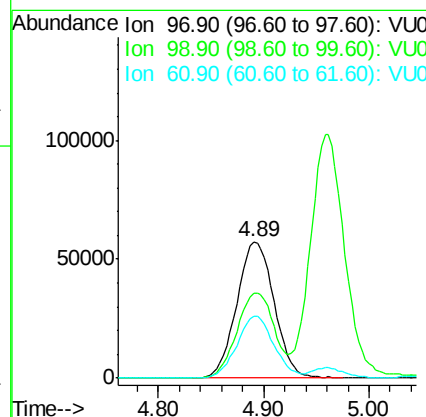
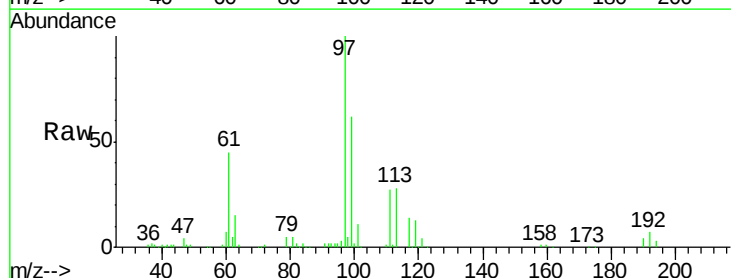
Manual Integrations
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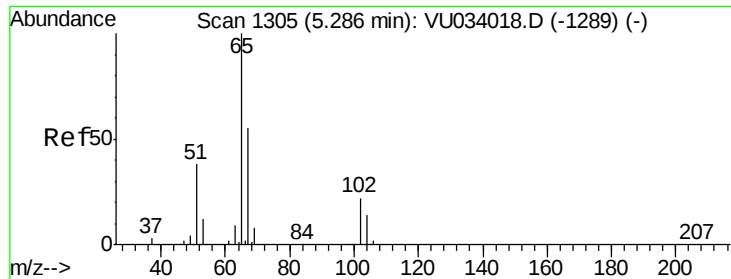
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#32
1,1,1-Trichloroethane
Concen: 20.131 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.8	77.6
61	44.9	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 50.344 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 65 Resp: 272730

Ion Ratio Lower Upper

65 100

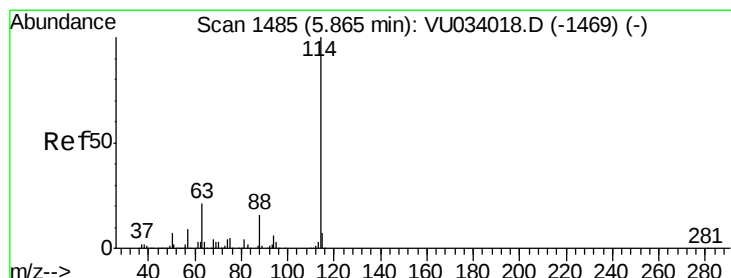
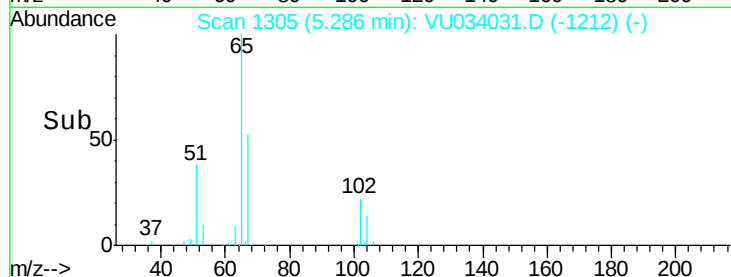
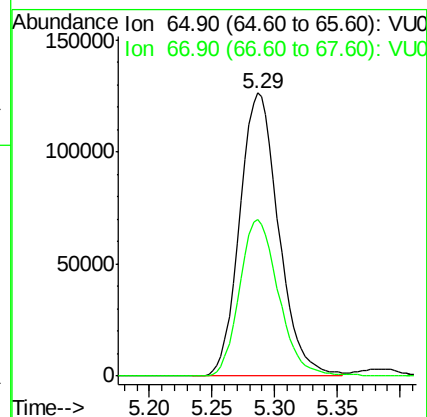
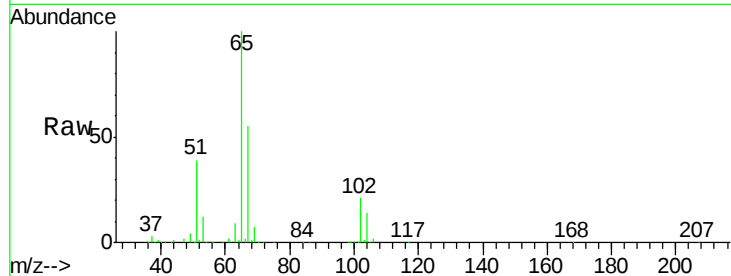
67 55.8 0.0 110.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

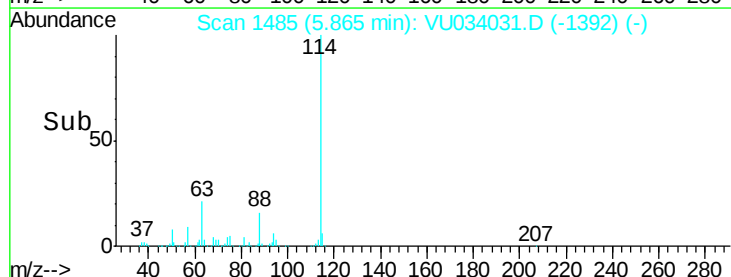
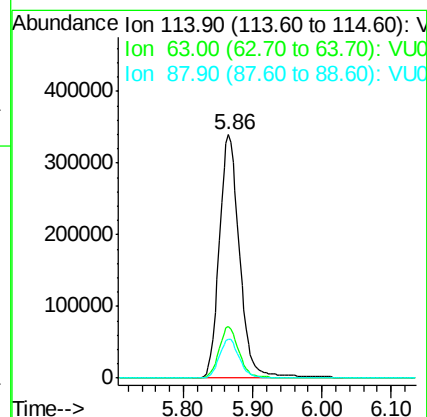
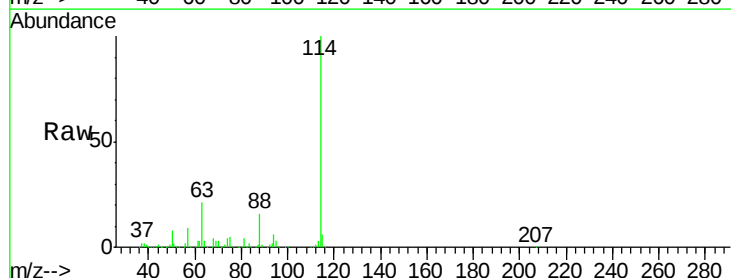
Tgt Ion: 114 Resp: 690827

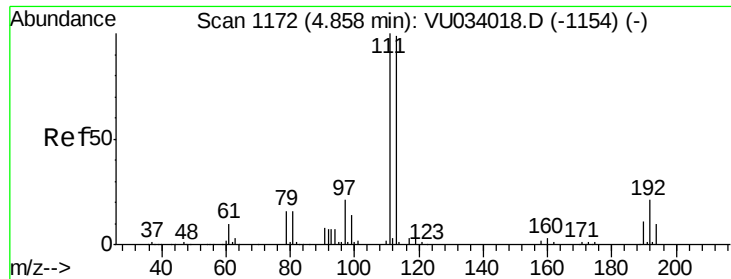
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 16.0 0.0 32.0





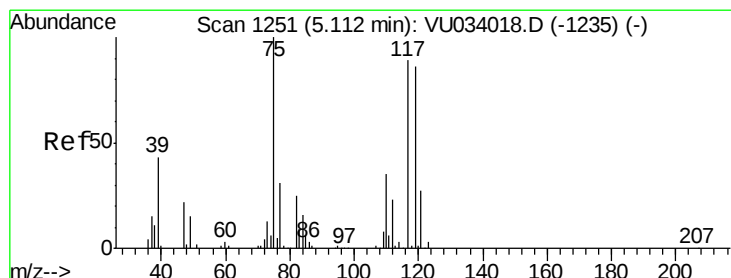
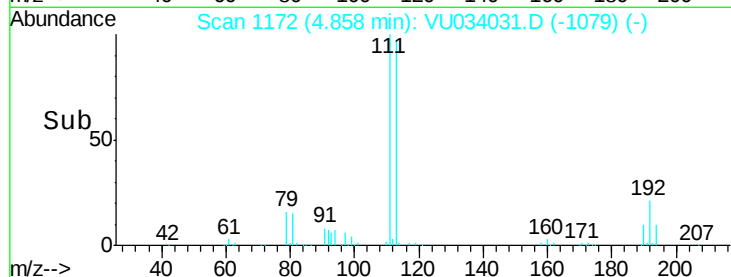
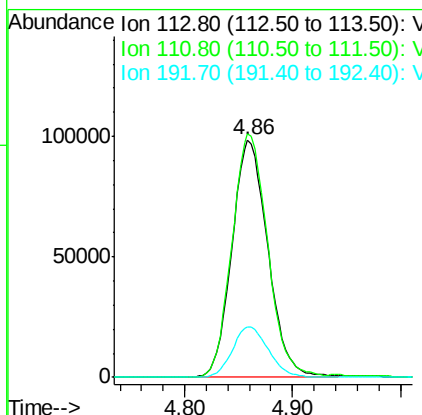
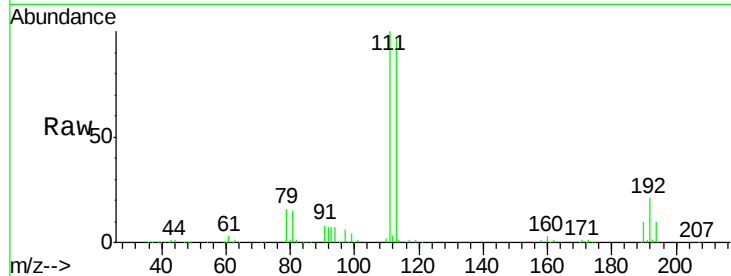
#35
 Dibromofluoromethane
 Concen: 47.609 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228121		
111	102.2	81.7	122.5	
192	21.4	17.1	25.7	

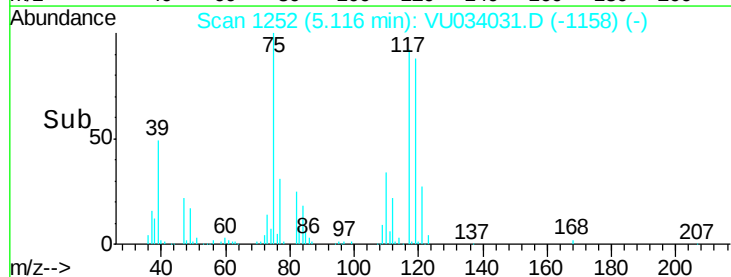
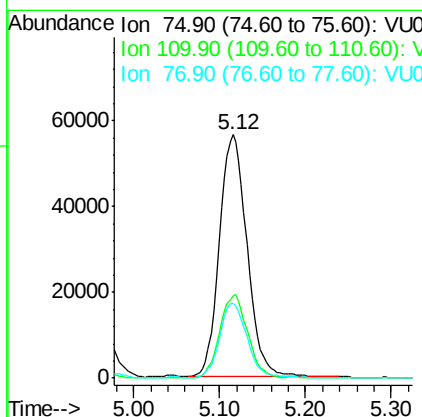
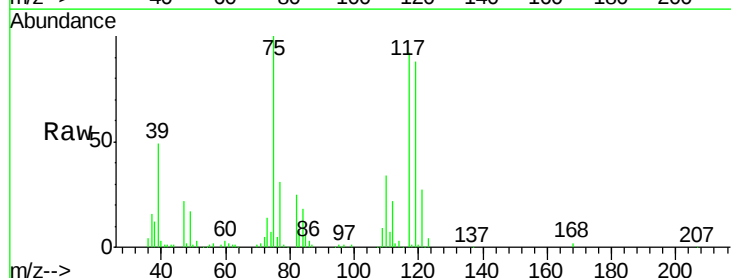
Manual Integrations
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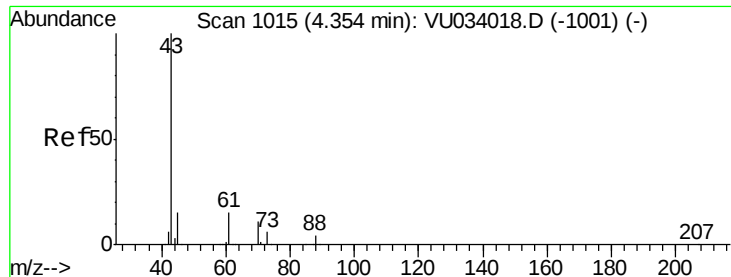
MMDadoda
 8/29/2019 8:47:31 AM



#36
 1,1-Dichloropropene
 Concen: 19.366 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126541		
110	34.6	17.8	53.5	
77	30.4	25.0	37.4	





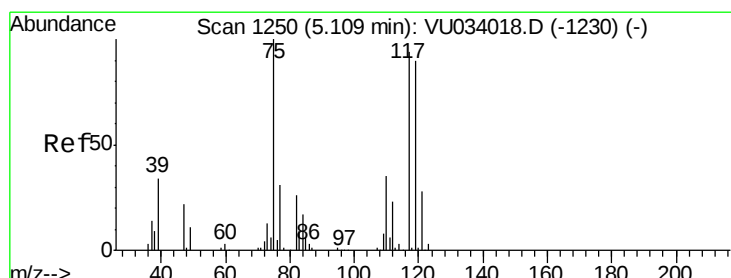
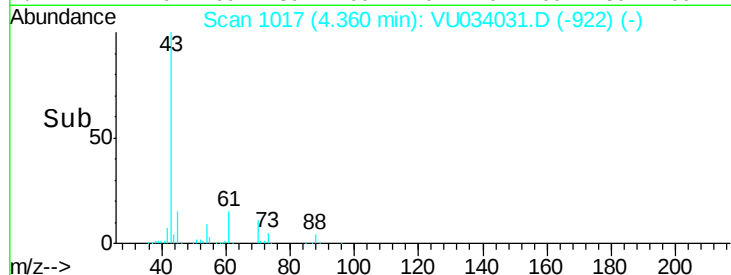
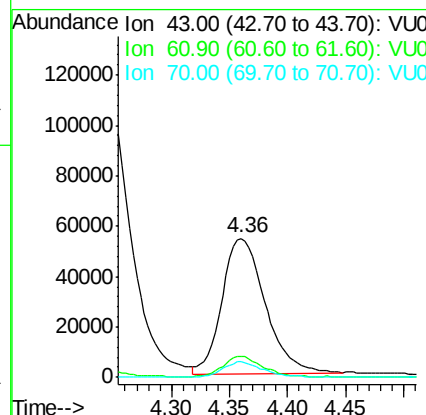
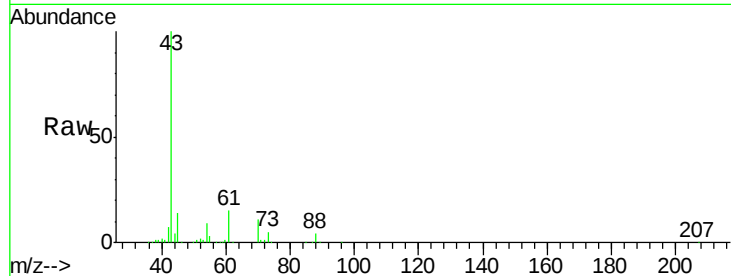
#37
Ethyl Acetate
Concen: 18.909 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.5	17.3
70	10.7	8.6	12.8

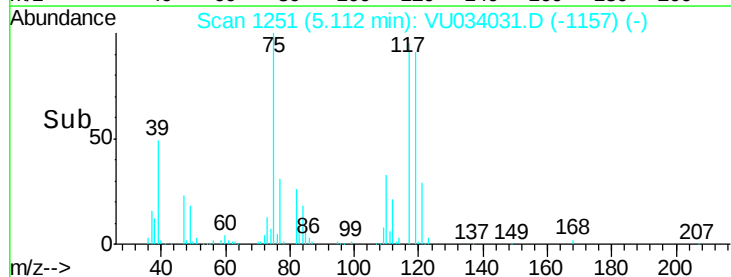
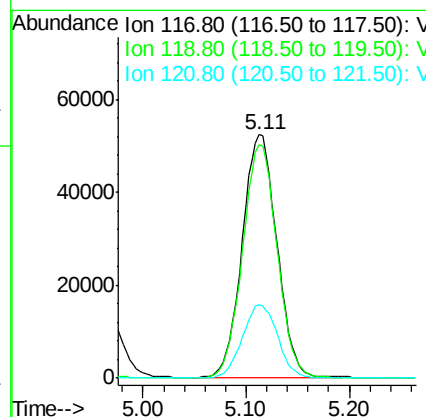
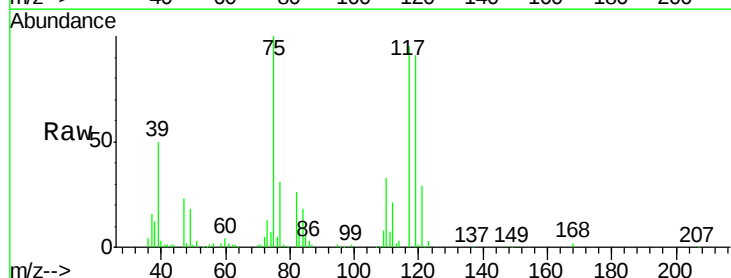
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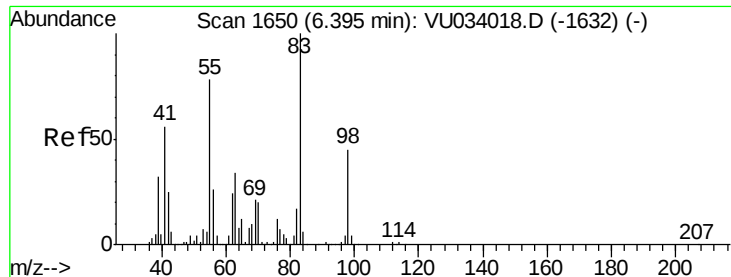
MMDadoda
8/29/2019 8:47:31 AM



#38
Carbon Tetrachloride
Concen: 19.329 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.4	23.9	35.9





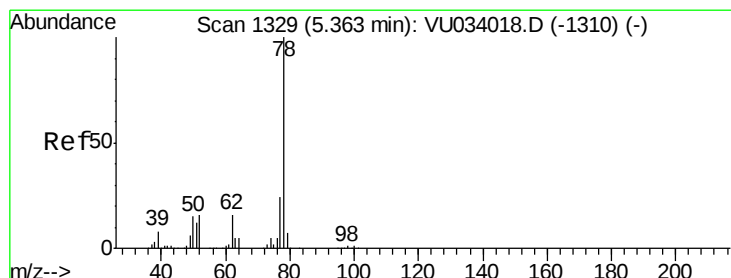
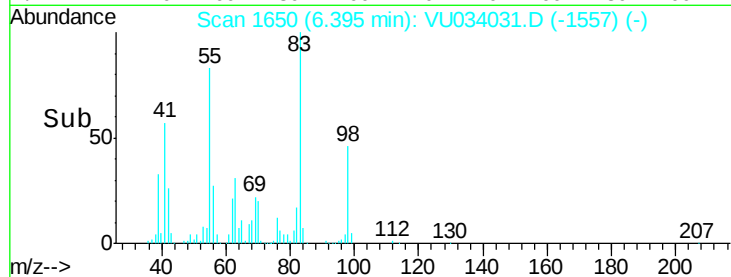
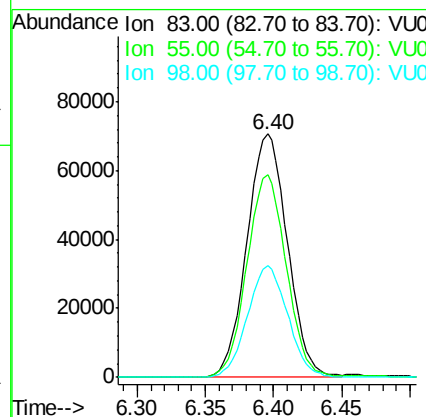
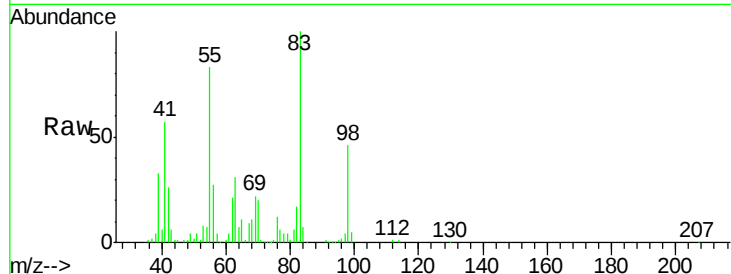
#39
Methvlcvclohexane
Concen: 18.932 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	62.3	93.5
98	45.8	36.2	54.2

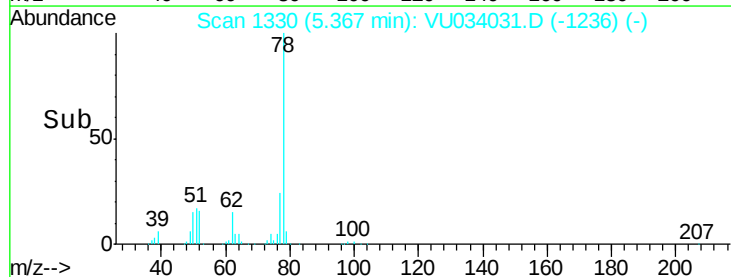
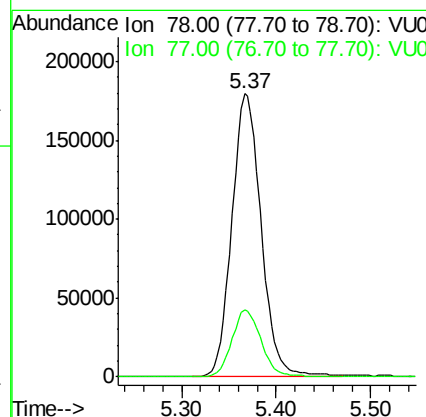
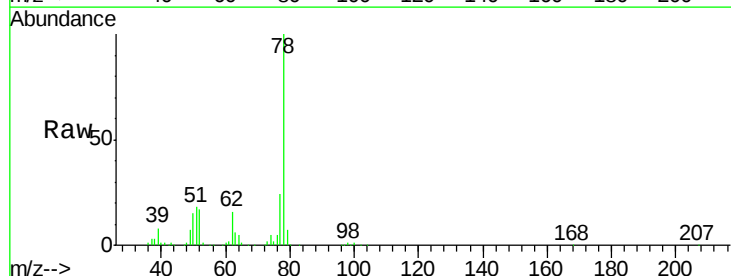
Manual Integrations
APPROVED

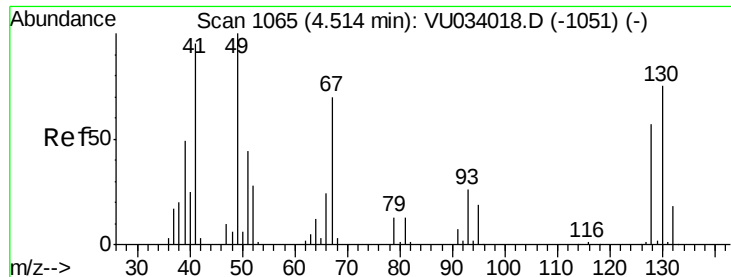
MMDadoda
8/29/2019 8:47:31 AM



#40
Benzene
Concen: 19.606 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41

Methacrylonitrile

Concen: 19.883 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

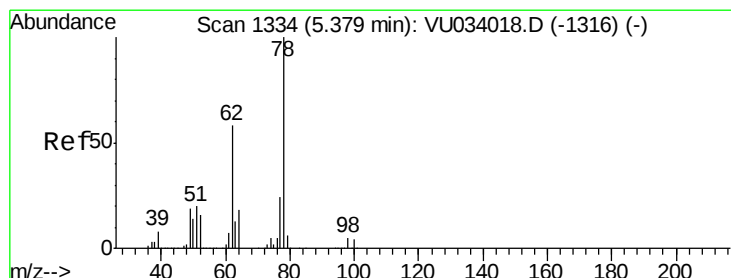
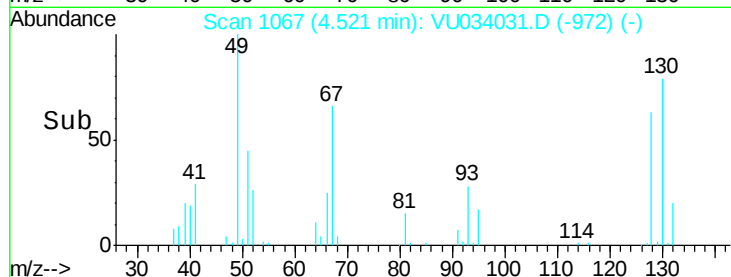
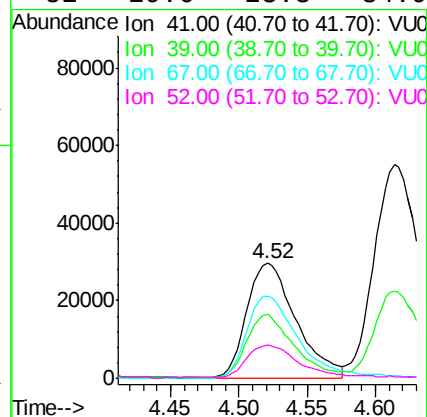
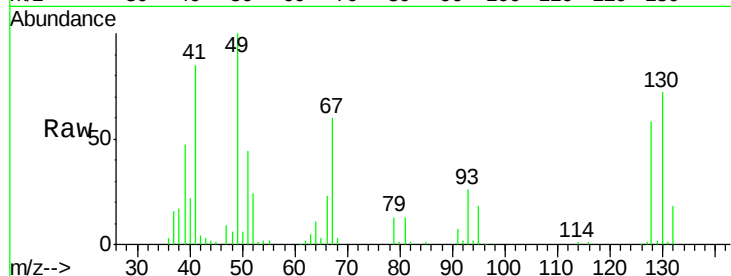
ClientSampleId :

VU0829WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.1	63.1	
67	73.8	61.0	91.4	
52	29.6	23.3	34.9	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.524 ug/l

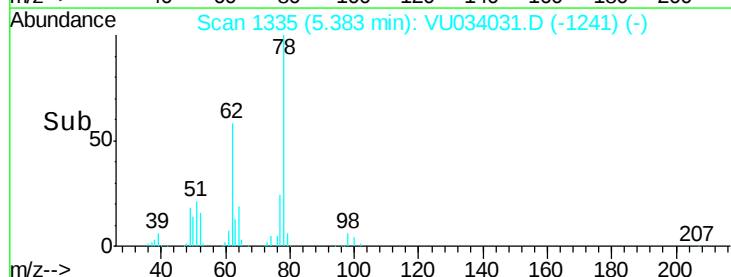
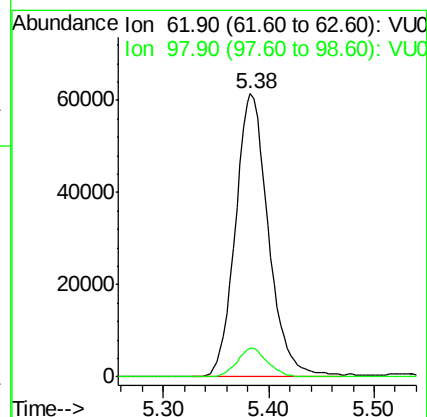
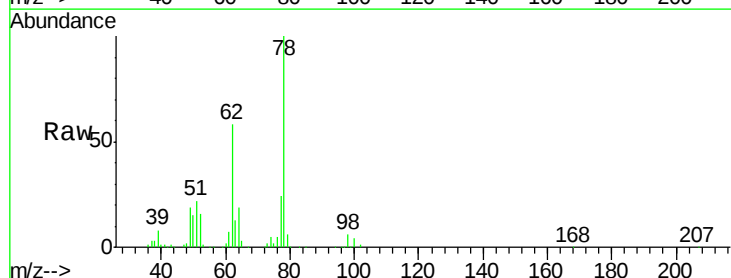
RT: 5.38 min Scan# 1335

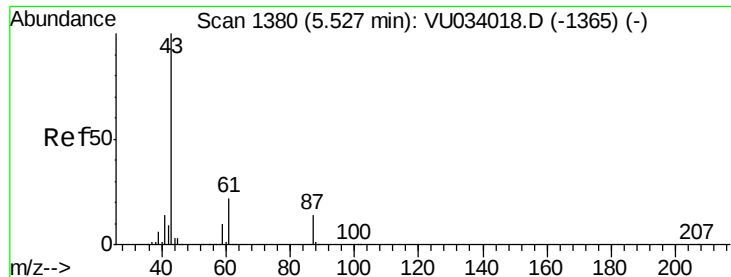
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.2	





#43

Isopropyl Acetate

Concen: 19.049 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

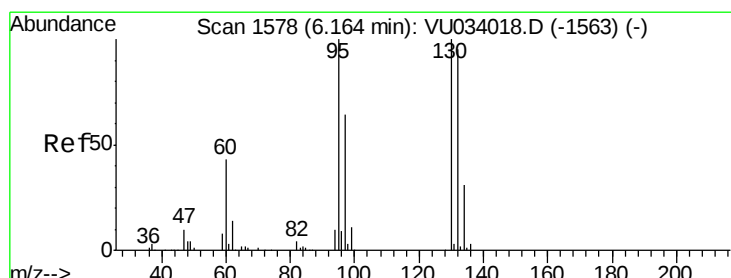
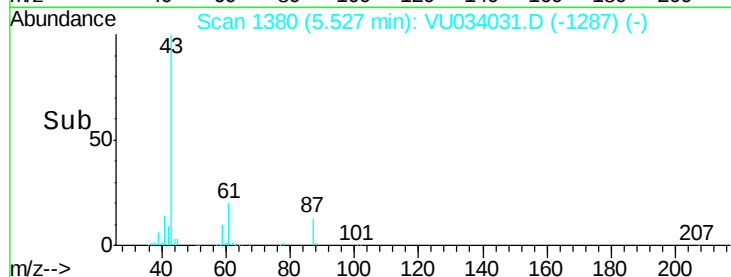
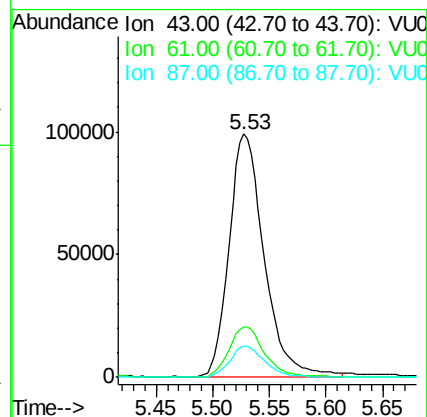
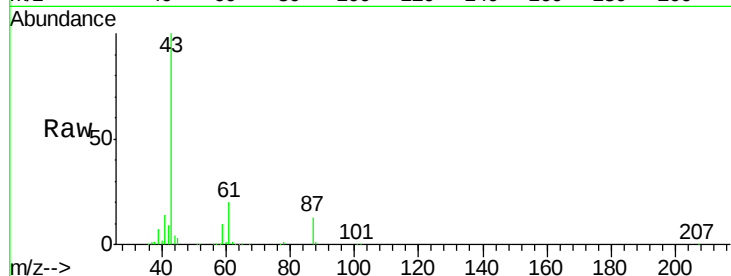
ClientSampleId :

VU0829WBSD01

Tot Ion:	43	Resp:	212056
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.2	25.8
87	12.9	10.8	16.2

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#44

Trichloroethene

Concen: 19.801 ug/l

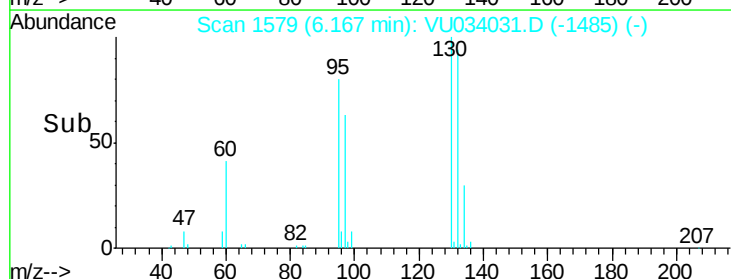
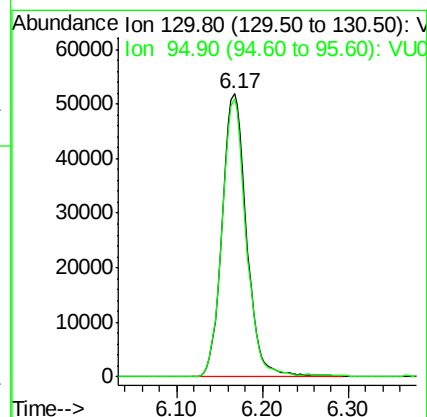
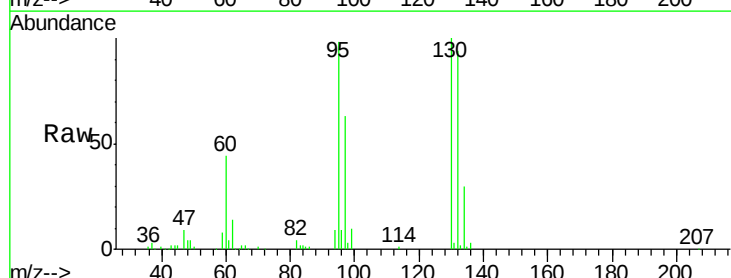
RT: 6.17 min Scan# 1579

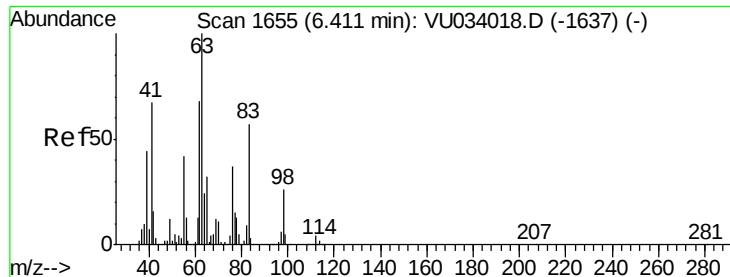
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	130	Resp:	102800
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.539 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 63 Resp: 106335

Ion Ratio Lower Upper

63 100

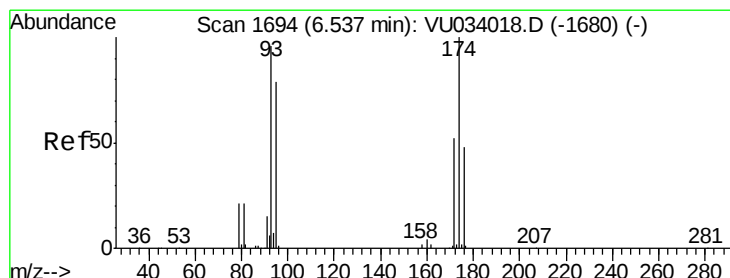
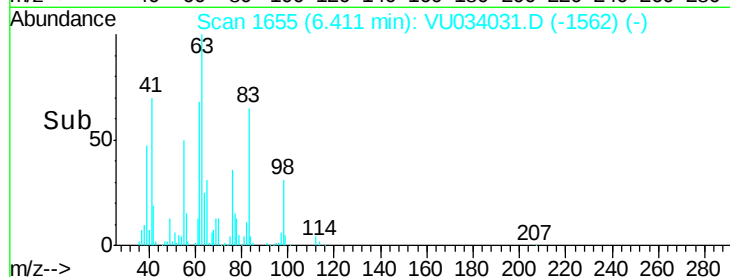
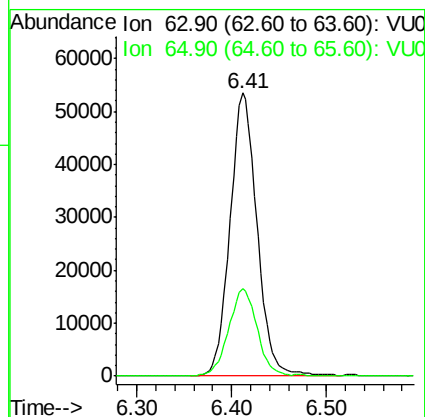
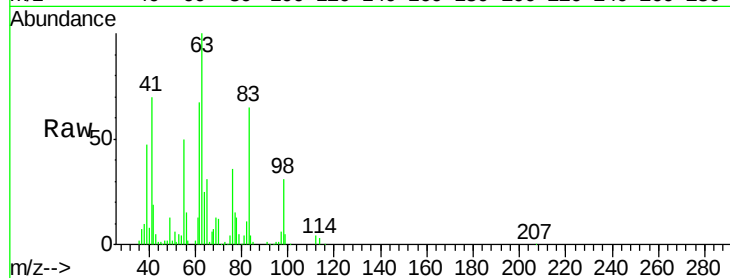
65 31.0 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.997 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

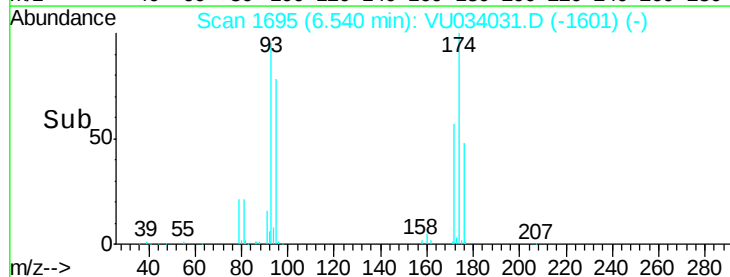
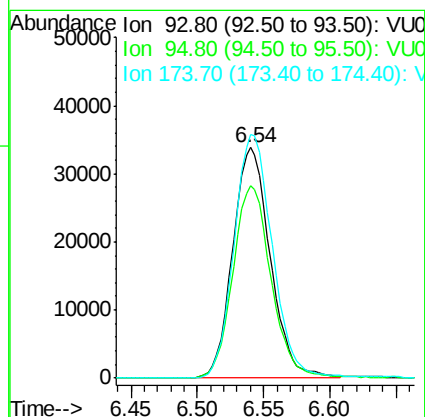
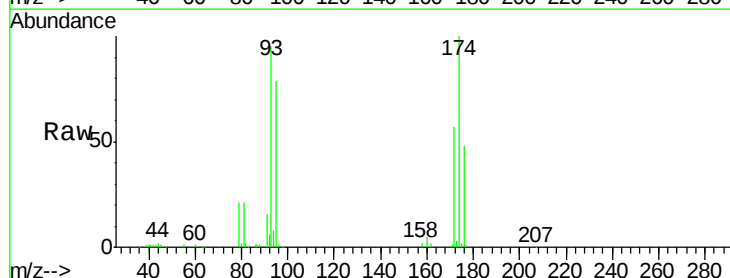
Tgt Ion: 93 Resp: 66606

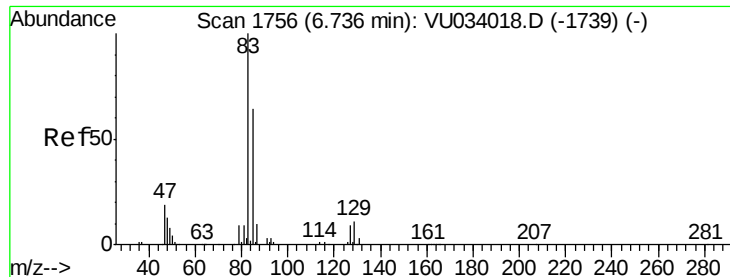
Ion Ratio Lower Upper

93 100

95 84.9 66.7 100.1

174 108.0 84.9 127.3





#47

Bromodichloromethane

Concen: 19.118 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

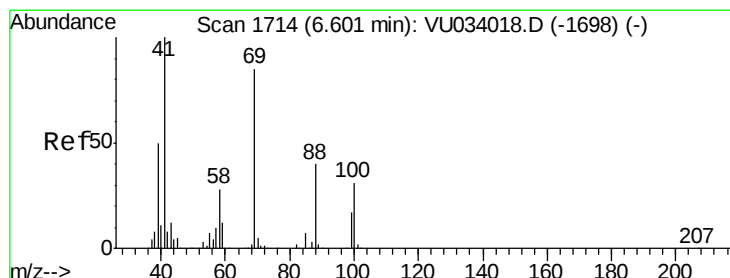
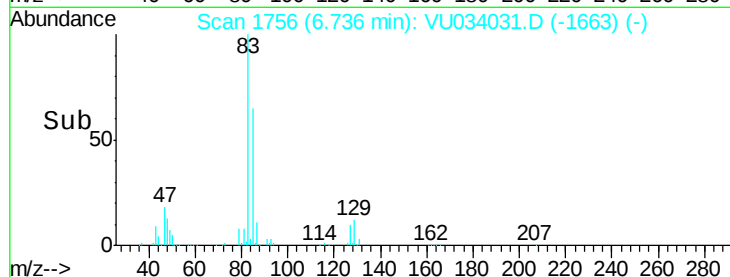
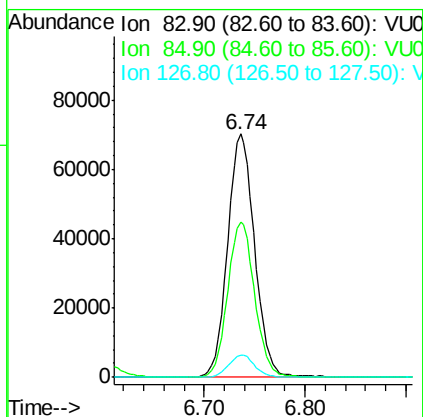
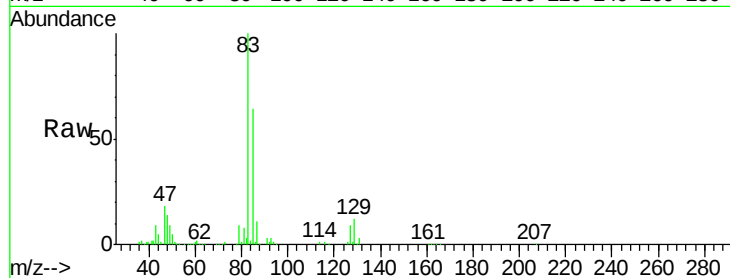
ClientSampleId :

VU0829WBSD01

Tot Ion:	83	Resp:	131145
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	9.4	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.599 ug/l

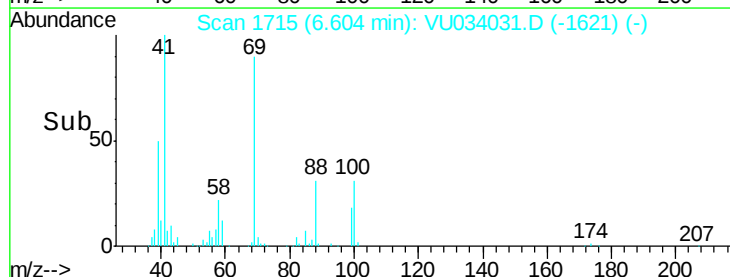
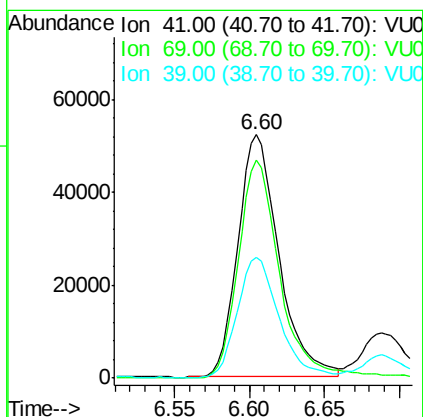
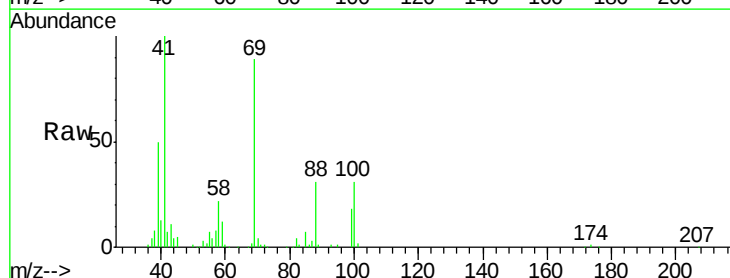
RT: 6.60 min Scan# 1715

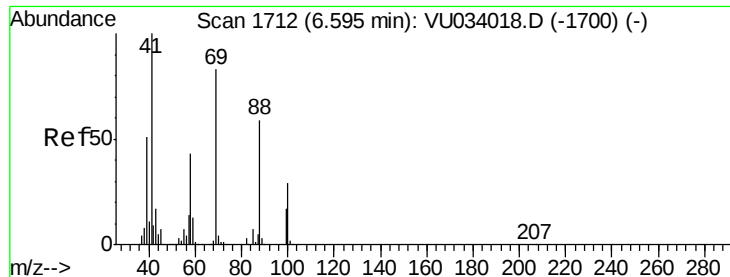
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	41	Resp:	99912
Ion	Ratio	Lower	Upper
41	100		
69	90.8	69.5	104.3
39	50.1	40.3	60.5





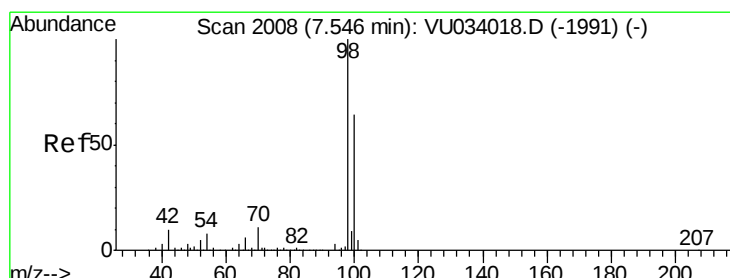
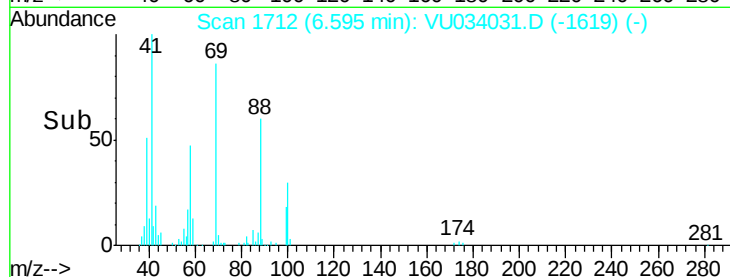
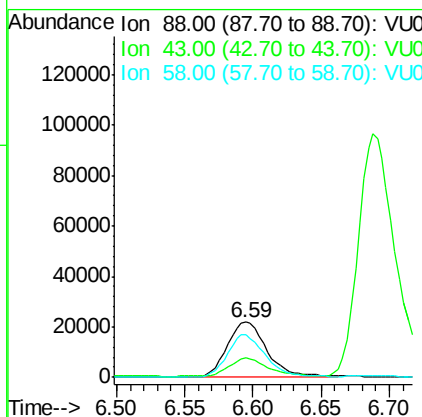
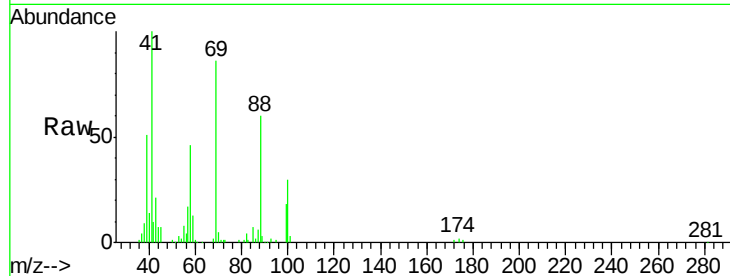
#49
1,4-Dioxane
Concen: 332.948 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	88	Resp	44813
Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.8	37.2
58	74.5	59.3	88.9

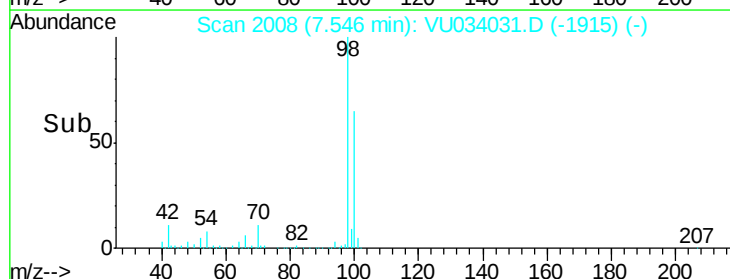
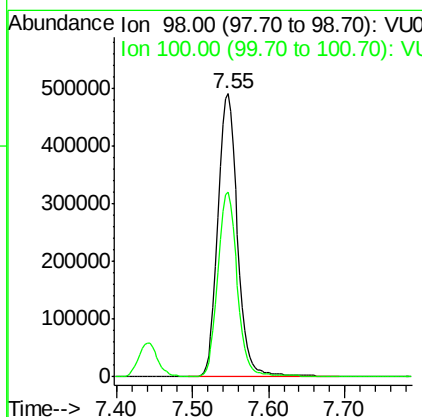
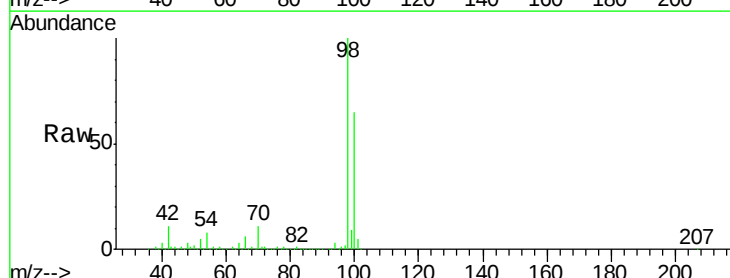
Manual Integrations
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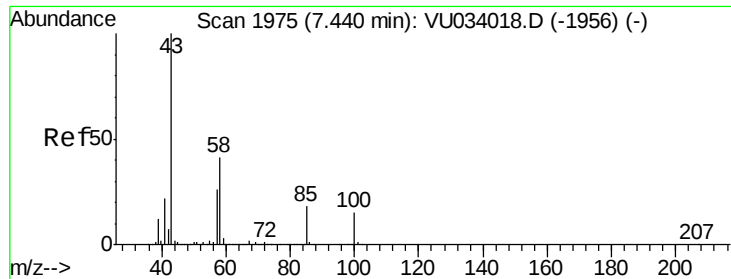
MMDadoda
8/29/2019 8:47:31 AM



#50
Toluene-d8
Concen: 49.322 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	98	Resp	884900
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 93.272 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 43 Resp: 717070

Ion Ratio Lower Upper

43 100

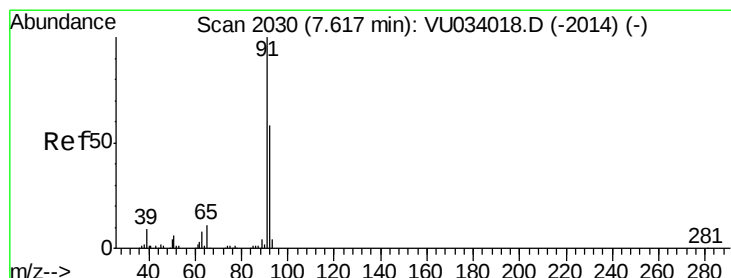
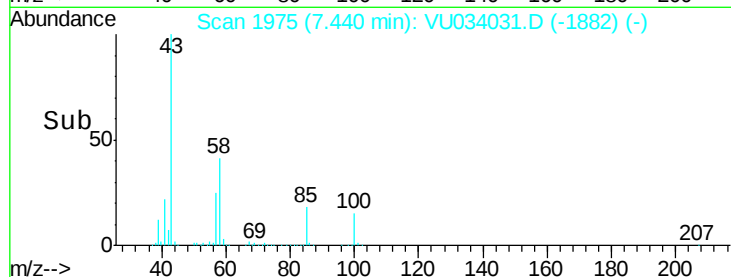
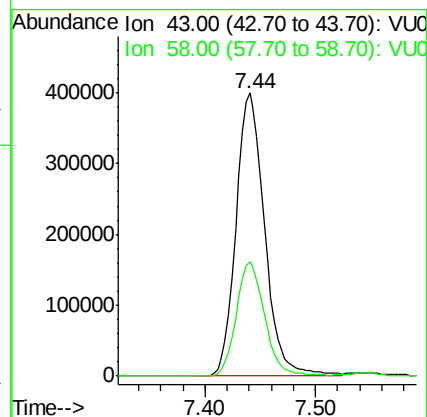
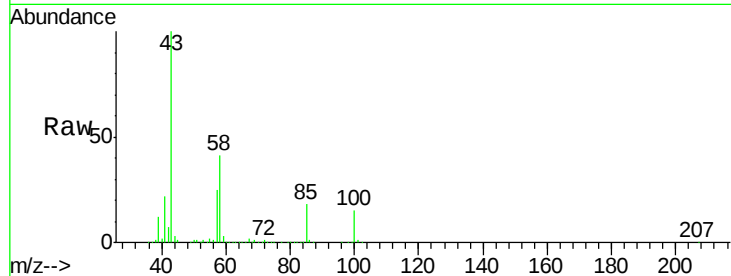
58 40.1 32.2 48.4

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#52

Toluene

Concen: 19.705 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034031.D

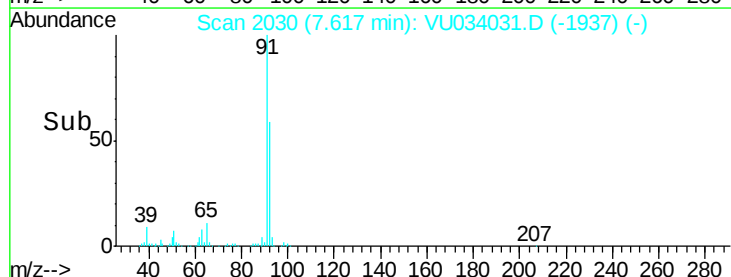
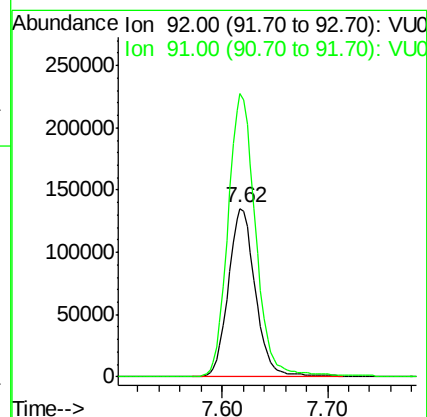
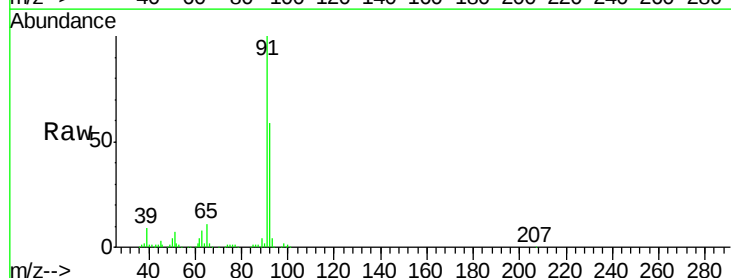
Acq: 28 Aug 2019 18:28

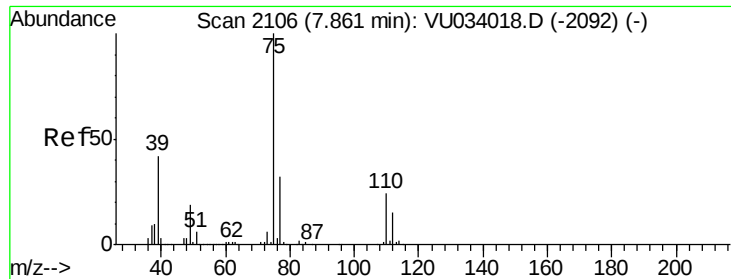
Tgt Ion: 92 Resp: 239976

Ion Ratio Lower Upper

92 100

91 172.7 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.184 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tot Ion: 75 Resp: 138412

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

Instrument :

MSVOA_U

ClientSampleId :

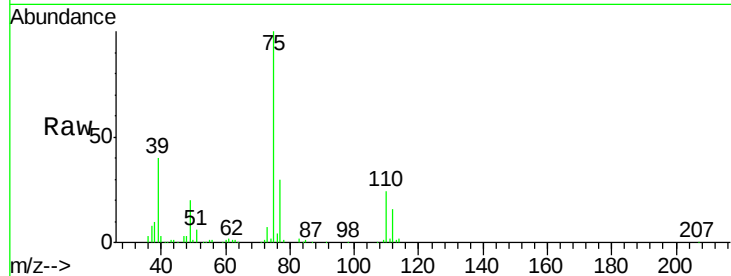
VU0829WBSD01

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

80000

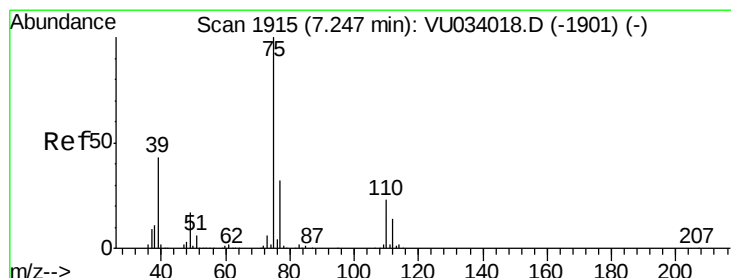
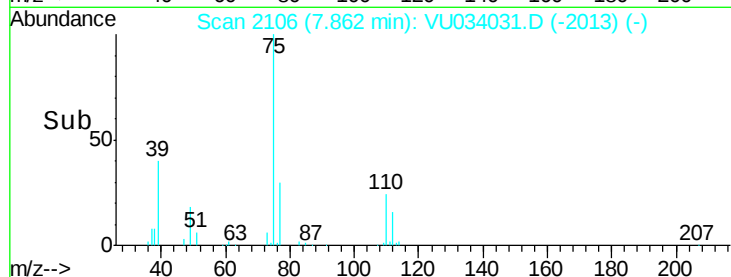
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.728 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

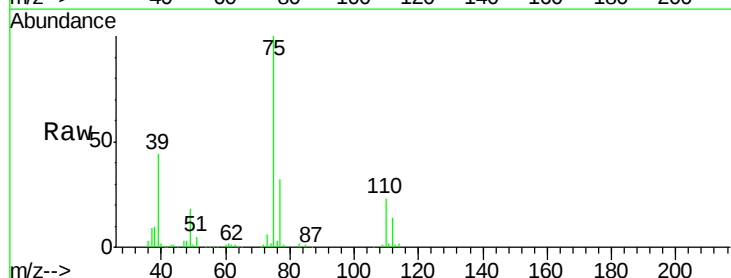
Tgt Ion: 75 Resp: 155735

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 43.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

120000

100000

80000

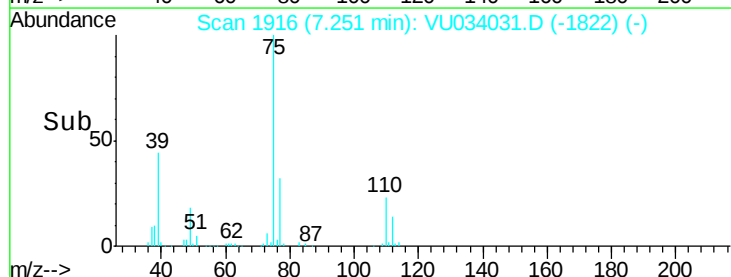
60000

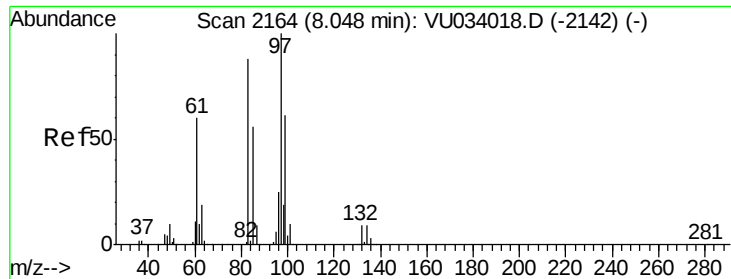
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 18.334 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

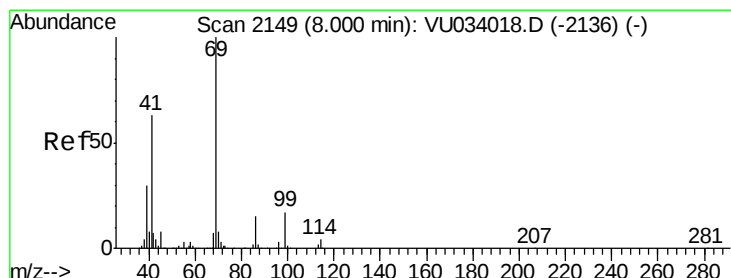
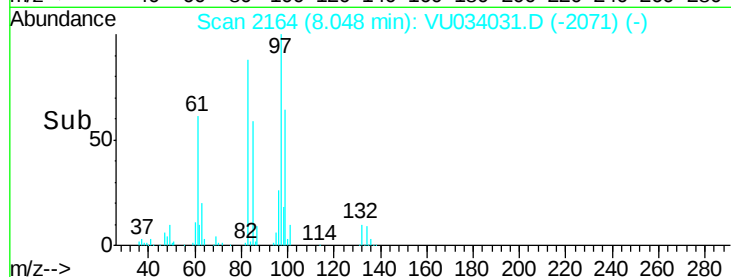
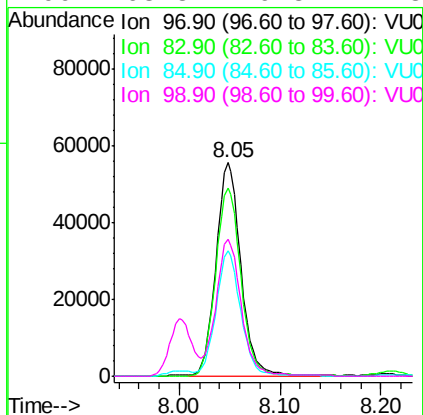
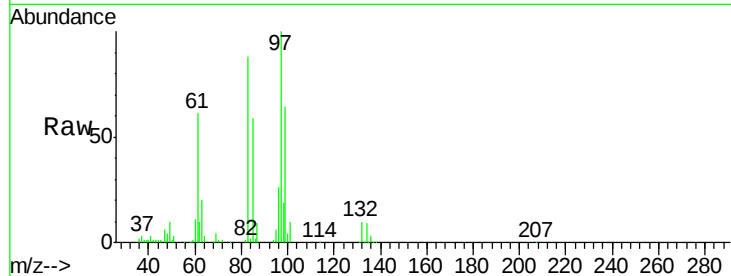
ClientSampleId :

VU0829WBSD01

Tot Ion:	97	Resp:	94446
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.1	105.1
85	59.1	45.0	67.4
99	63.8	49.8	74.8

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#56

Ethyl methacrylate

Concen: 17.268 ug/l

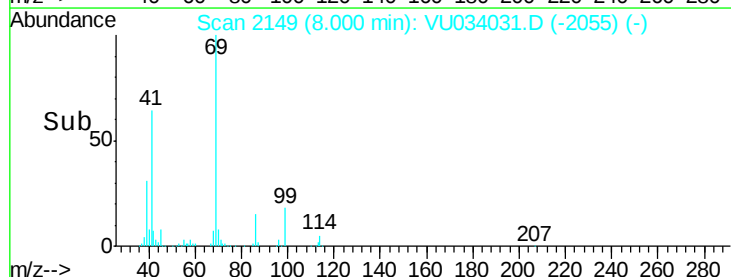
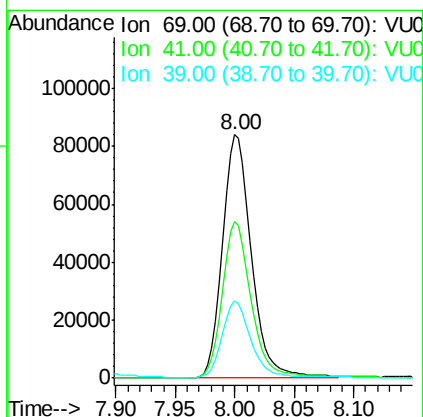
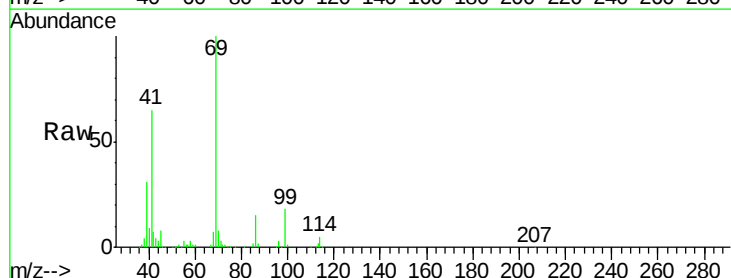
RT: 8.00 min Scan# 2149

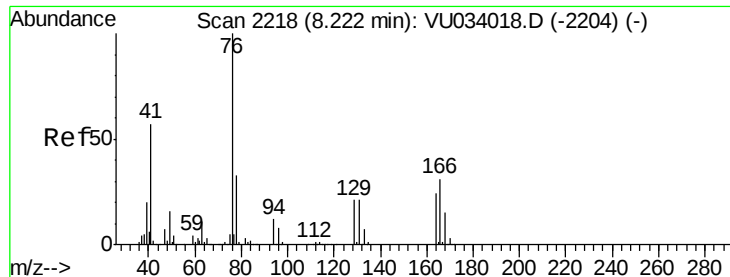
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	69	Resp:	142012
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.7	76.1
39	30.6	24.2	36.2





#57

1,3-Dichloropropane

Concen: 19.136 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 76 Resp: 167381

Ion Ratio Lower Upper

76 100

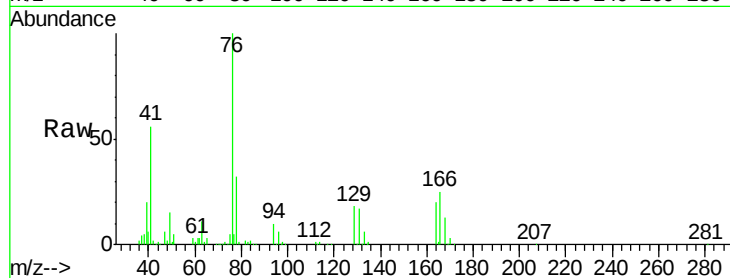
78 32.1 26.2 39.4

Manual Integrations

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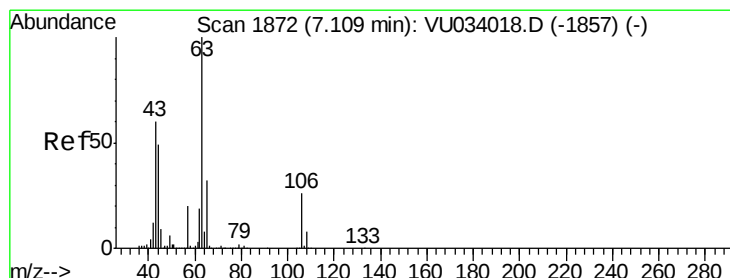
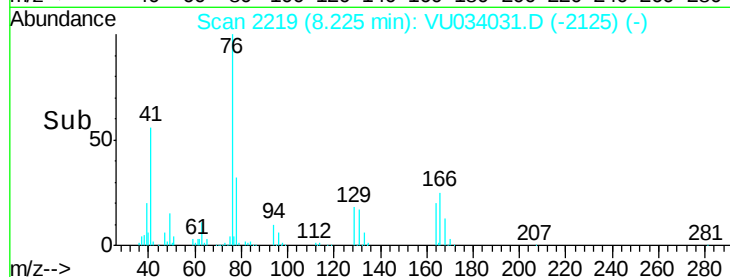
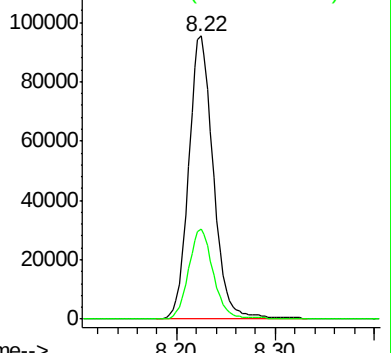
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 96.733 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034031.D

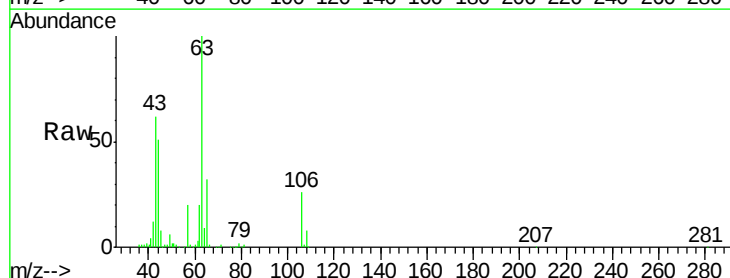
Acq: 28 Aug 2019 18:28

Tgt Ion: 63 Resp: 275684

Ion Ratio Lower Upper

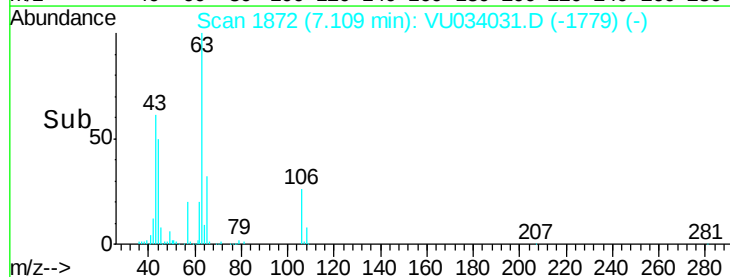
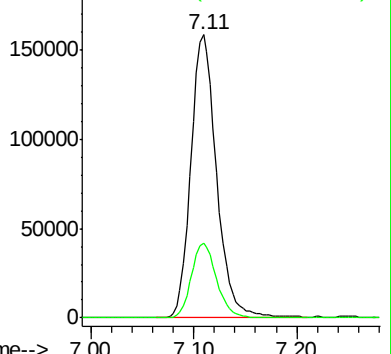
63 100

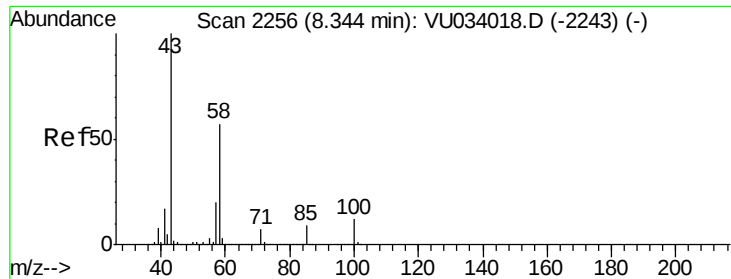
106 26.1 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





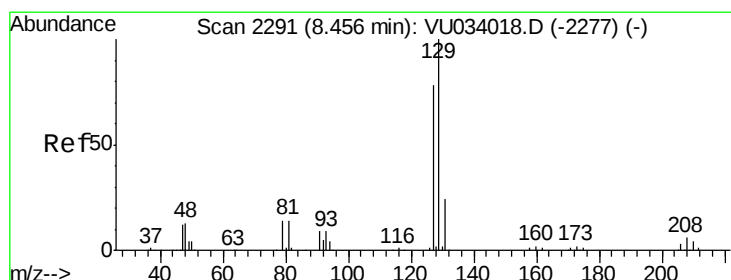
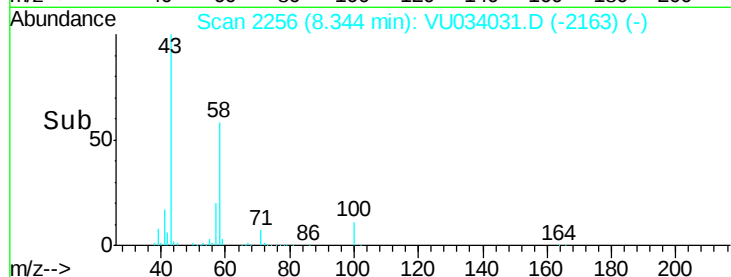
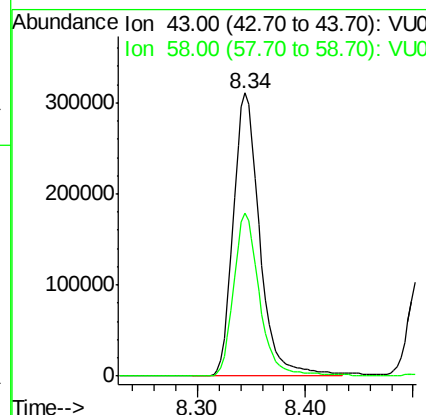
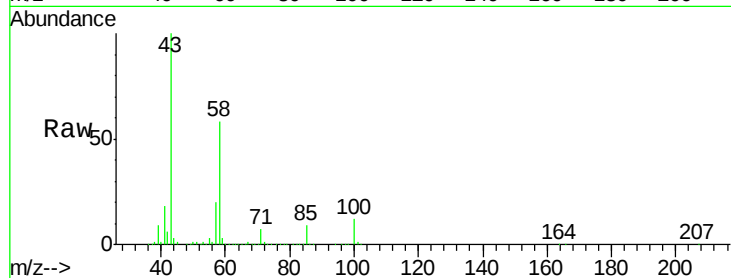
#59
2-Hexanone
Concen: 91.544 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	28.4	85.3

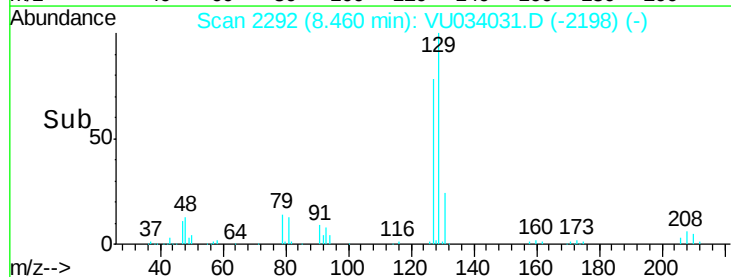
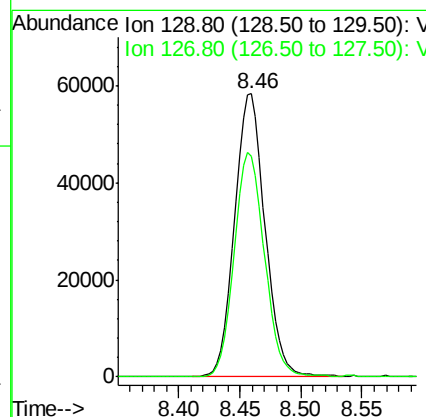
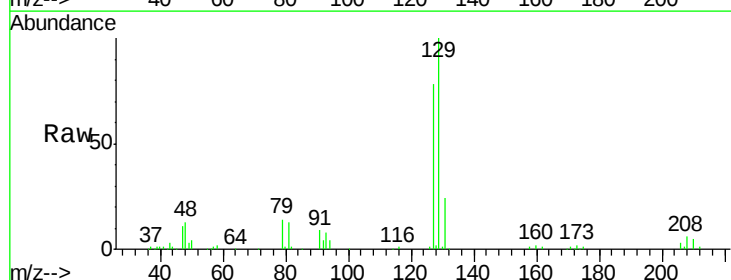
Manual Integrations
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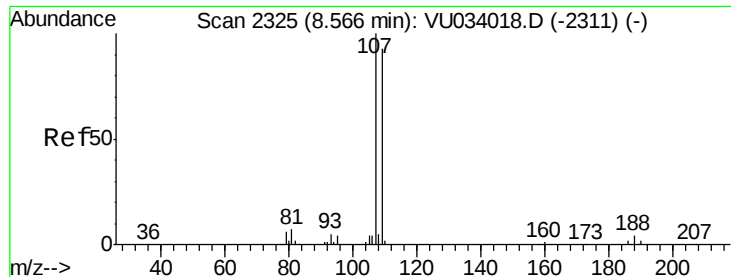
MMDadoda
8/29/2019 8:47:31 AM



#60
Dibromochloromethane
Concen: 18.394 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.651 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion:107 Resp: 101212

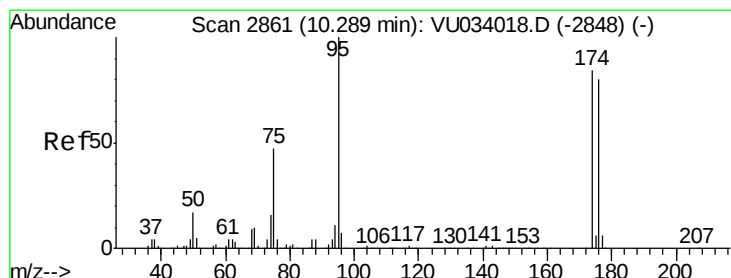
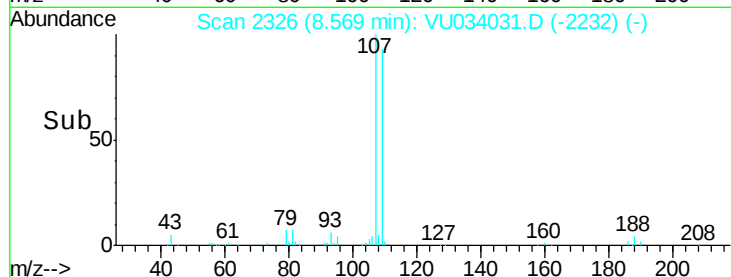
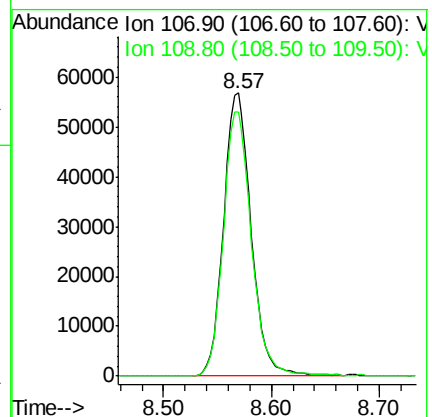
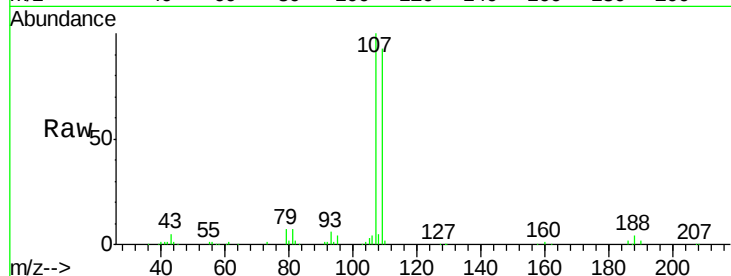
Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8

Manual Integrations
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8/29/2019 8:47:31 AM



#62

4-Bromofluorobenzene

Concen: 46.593 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

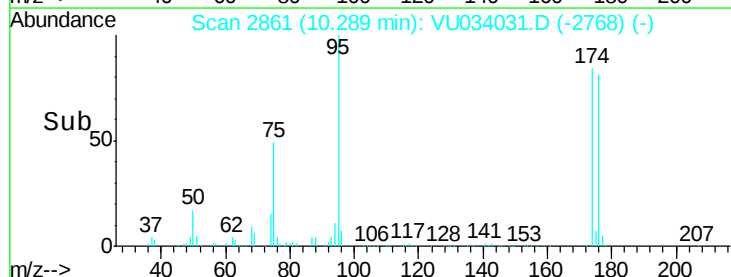
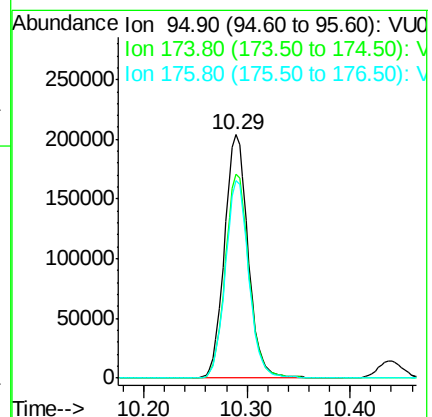
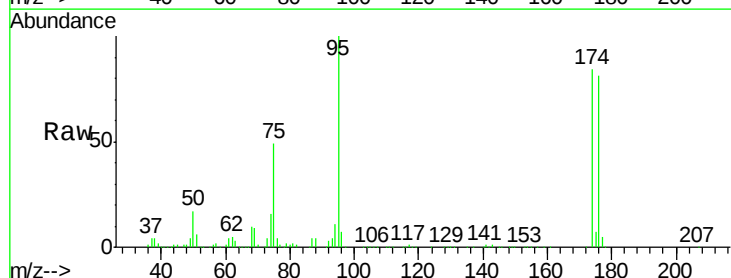
Tgt Ion: 95 Resp: 325170

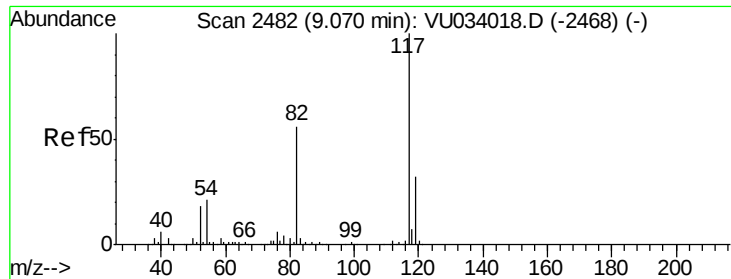
Ion Ratio Lower Upper

95 100

174 83.7 0.0 168.8

176 80.4 0.0 161.8





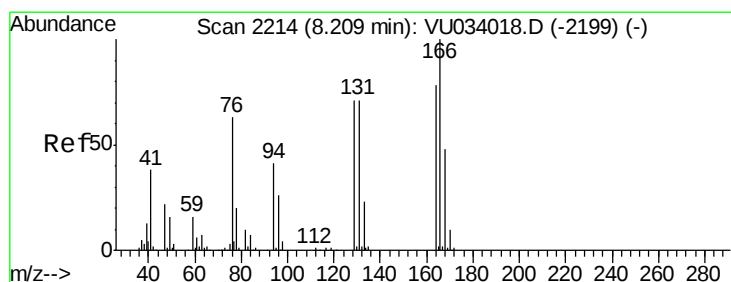
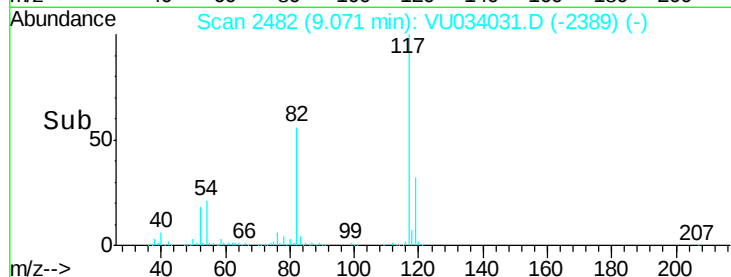
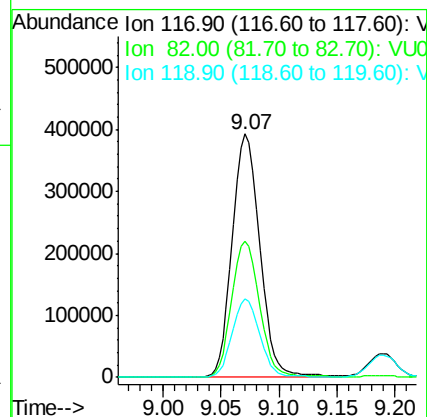
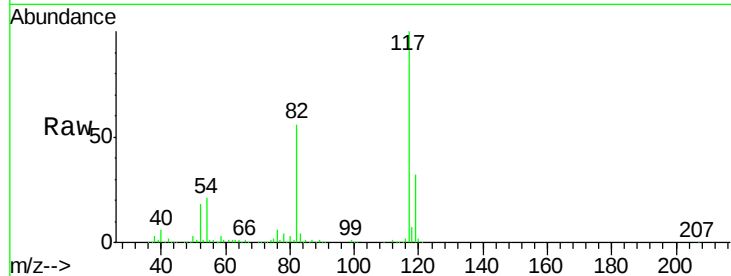
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	650694		
82	56.1	45.1	67.7	
119	32.1	25.4	38.0	

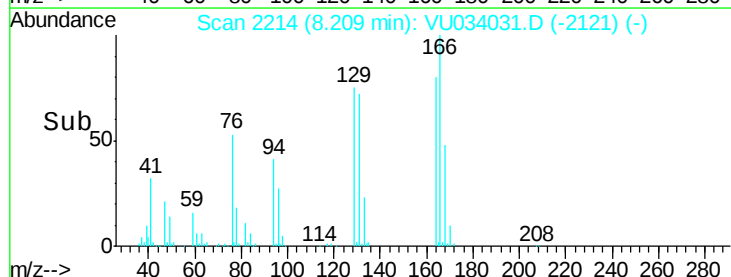
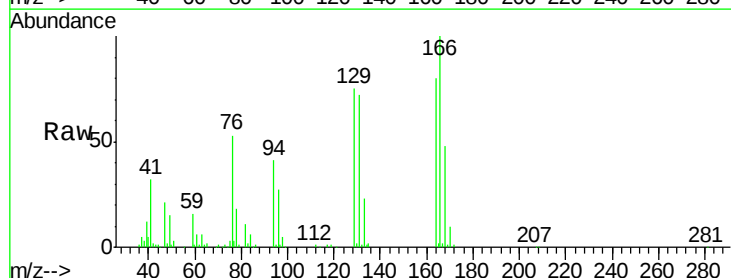
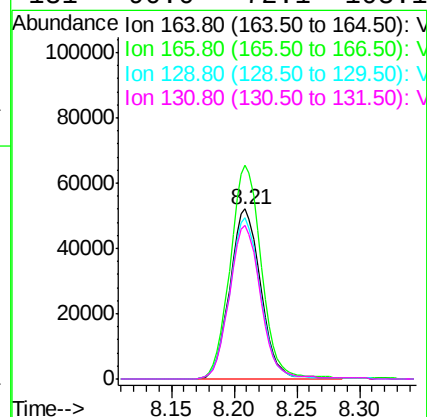
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APPROVED

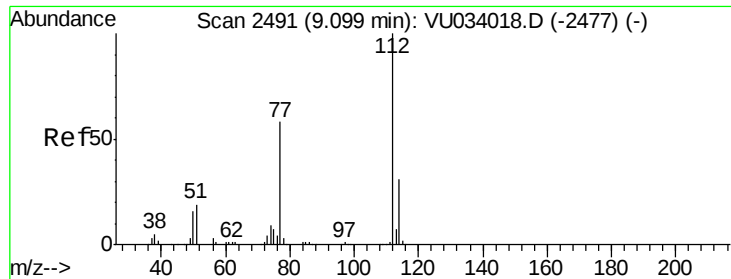
MMDadoda
8/29/2019 8:47:31 AM



#64
Tetrachloroethene
Concen: 20.411 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89194		
166	125.5	102.2	153.2	
129	94.6	72.4	108.6	
131	90.0	72.1	108.1	





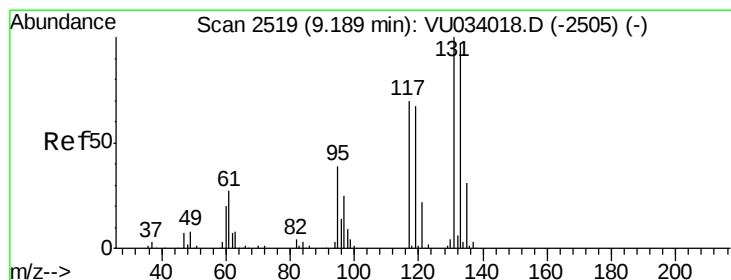
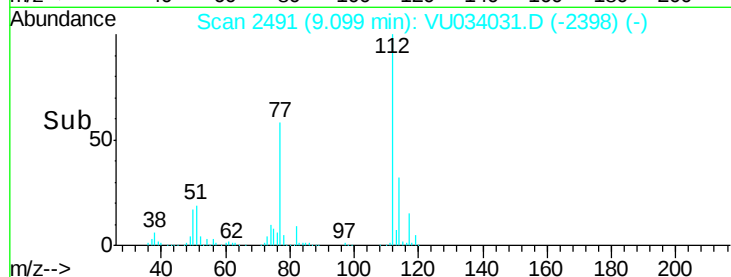
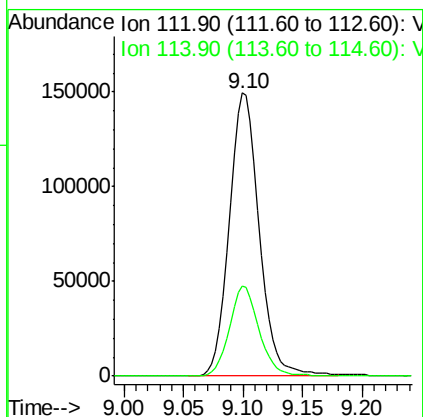
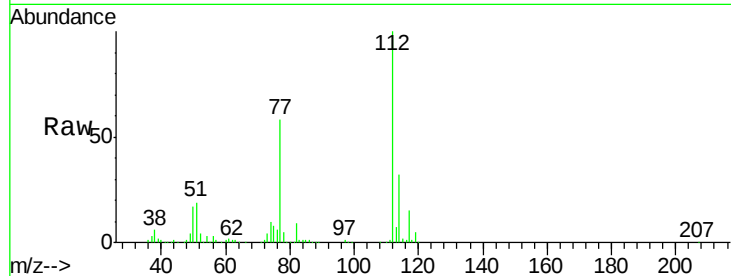
#65
Chlorobenzene
Concen: 19.512 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion:112 Resp: 261280
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

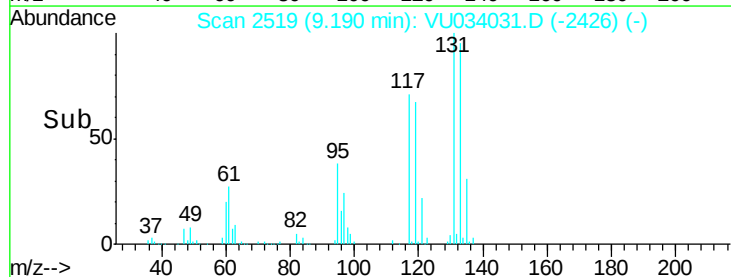
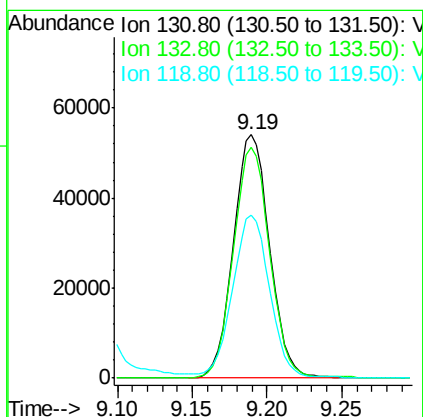
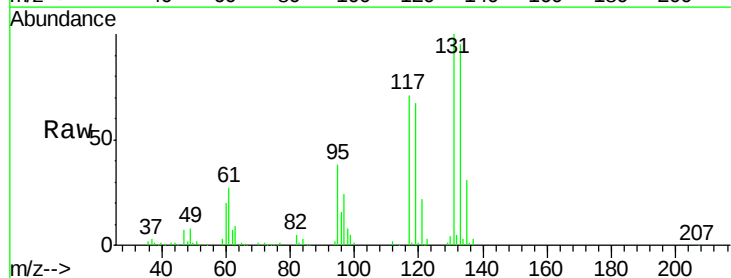
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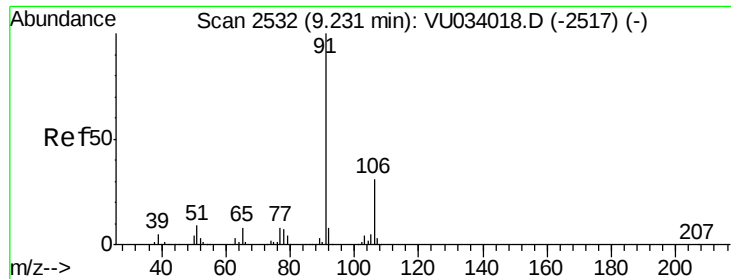
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.790 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion:131 Resp: 91237
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 67.4 33.6 100.6





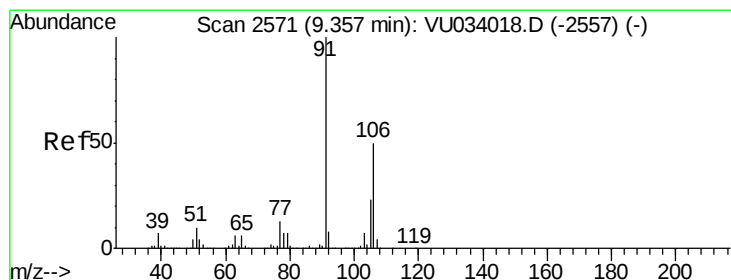
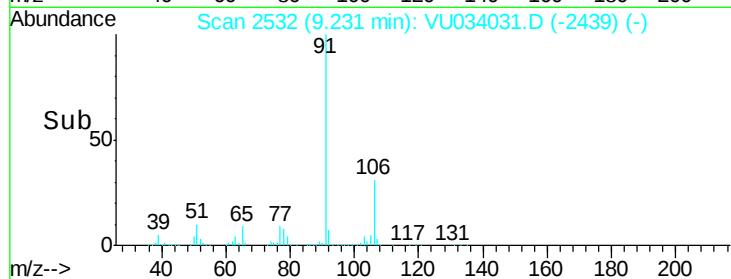
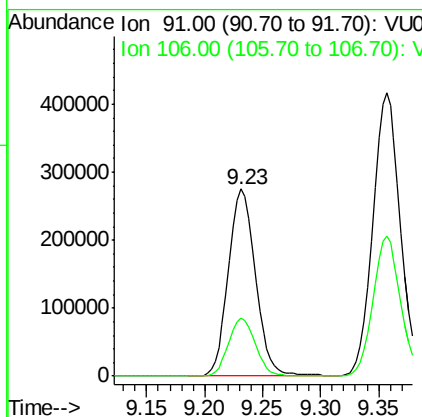
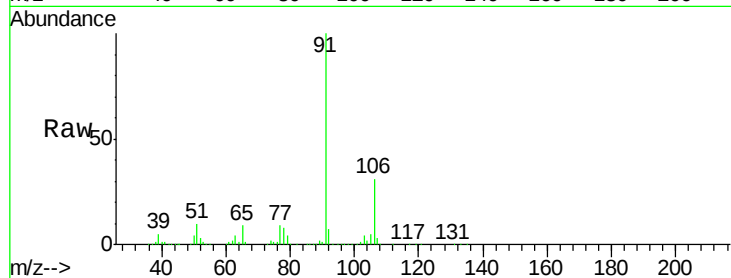
#67
Ethyl Benzene
Concen: 19.655 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	446150		
106	30.9	24.9	37.3	

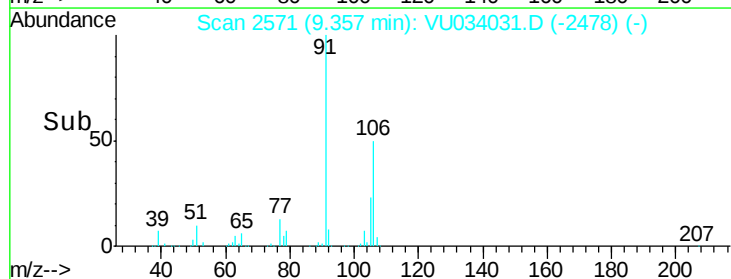
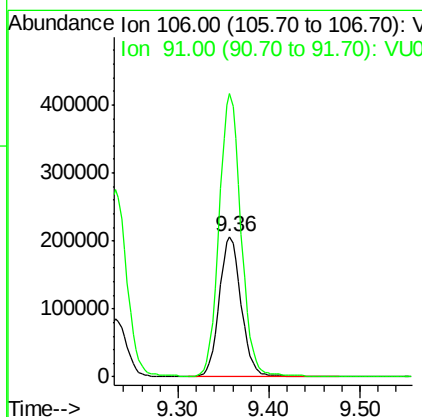
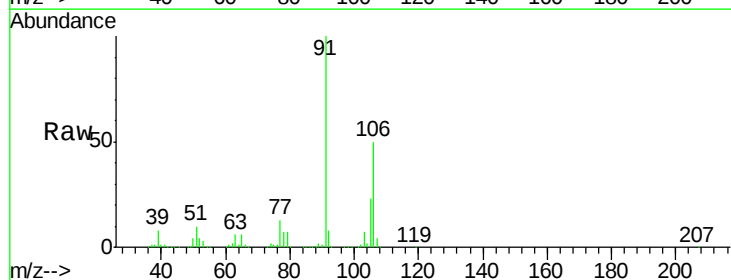
Manual Integrations
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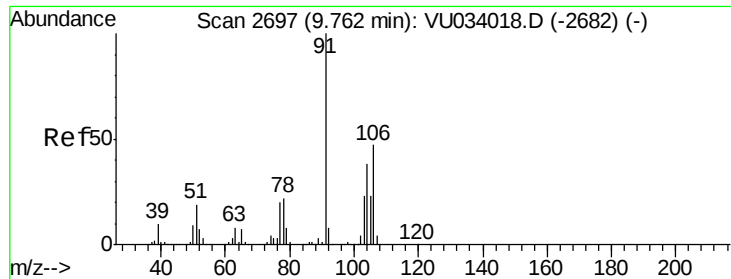
MMDadoda
8/29/2019 8:47:31 AM



#68
m/p-Xylenes
Concen: 39.933 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	344666		
91	201.9	161.6	242.4	





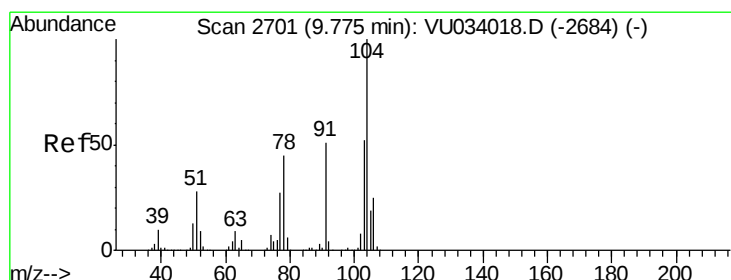
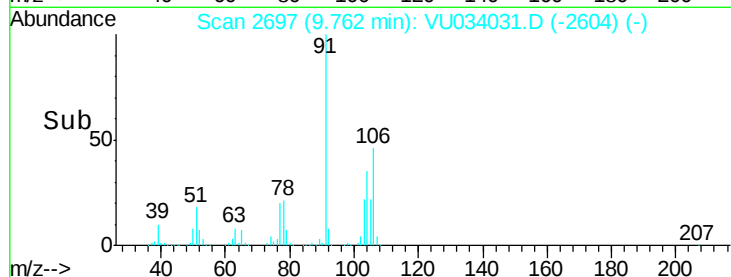
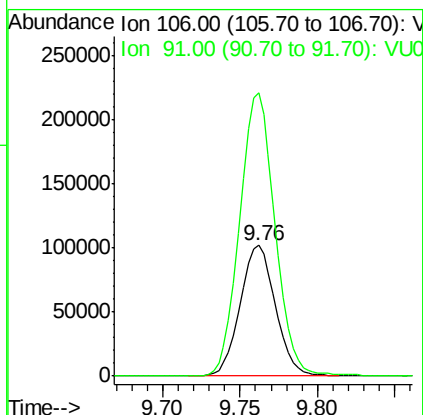
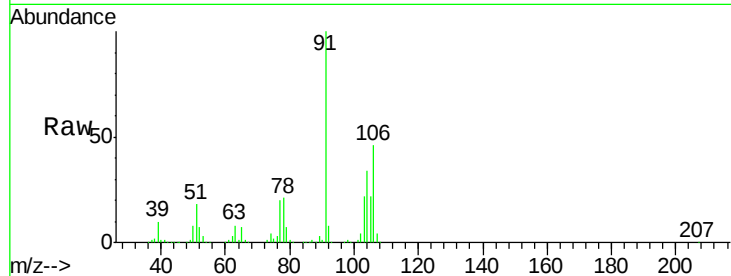
#69
o-Xylene
Concen: 19.539 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	161792		
91	217.5	106.0	318.0	

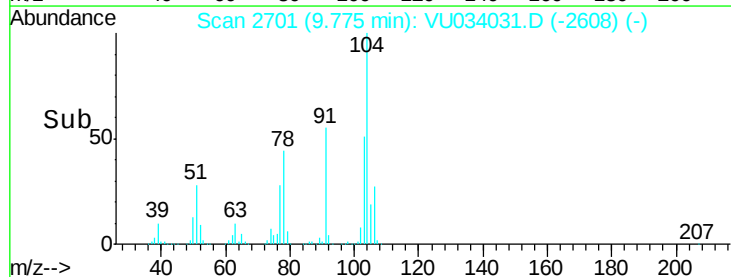
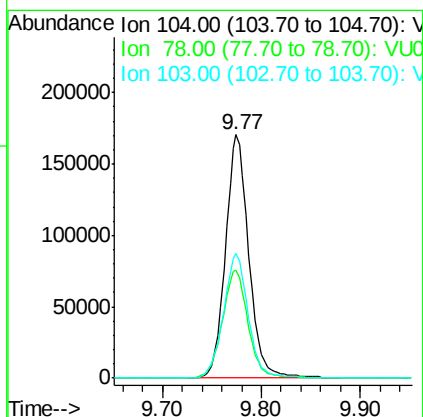
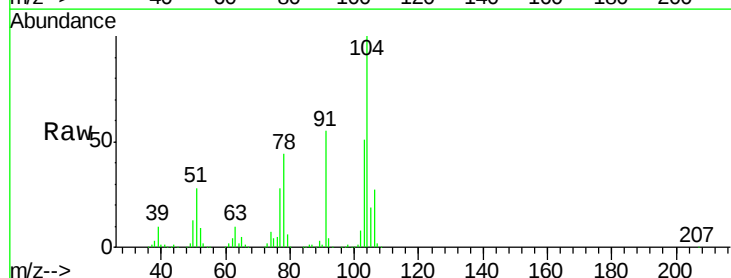
Manual Integrations
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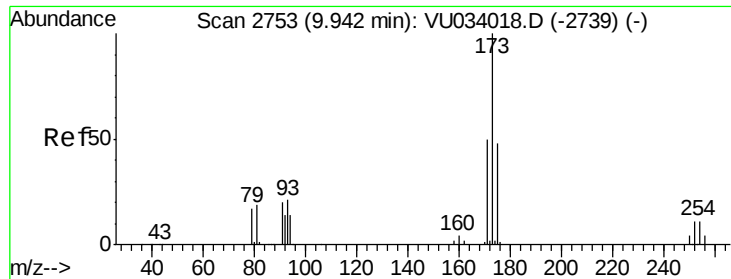
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#70
Styrene
Concen: 19.948 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	283217		
78	48.4	39.0	58.4	
103	54.6	44.0	66.0	





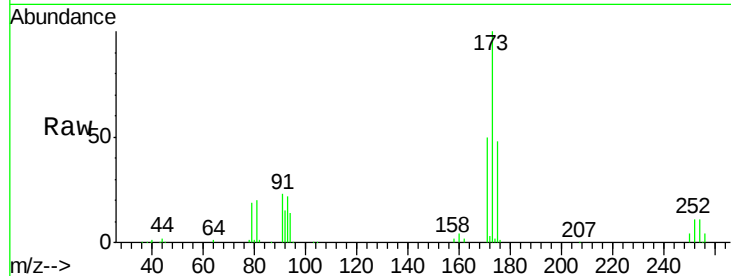
#71
Bromoform
Concen: 17.768 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

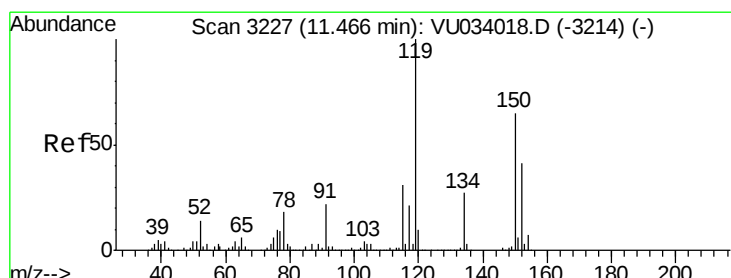
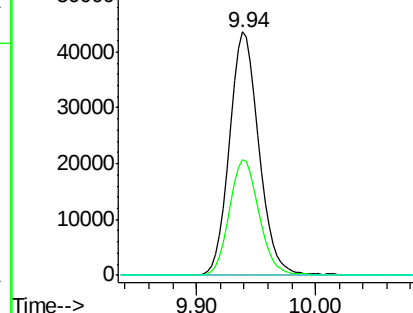
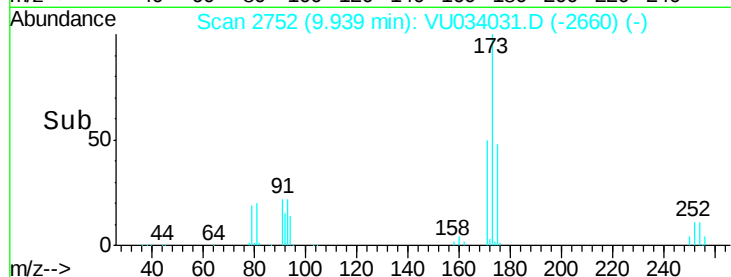
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.1	0.0	0.0#

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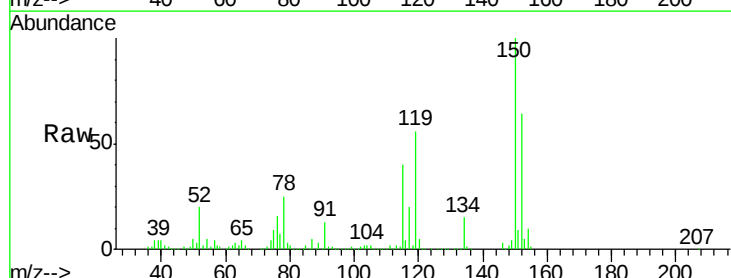


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

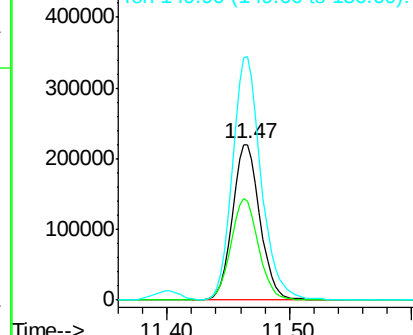
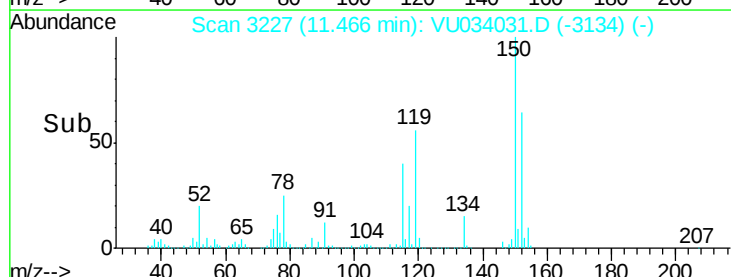


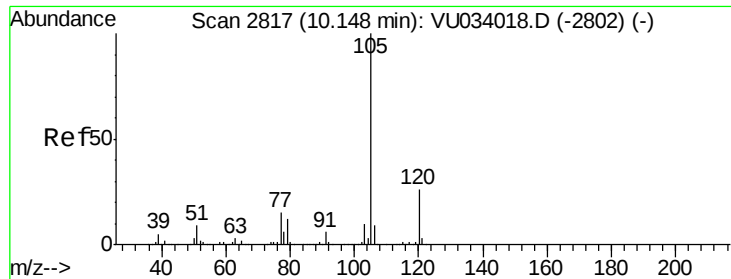
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	41.1	123.3
150	162.2	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





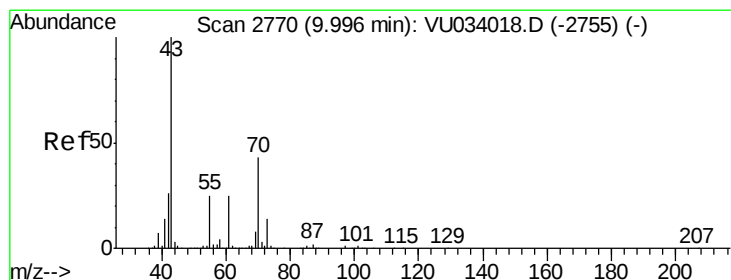
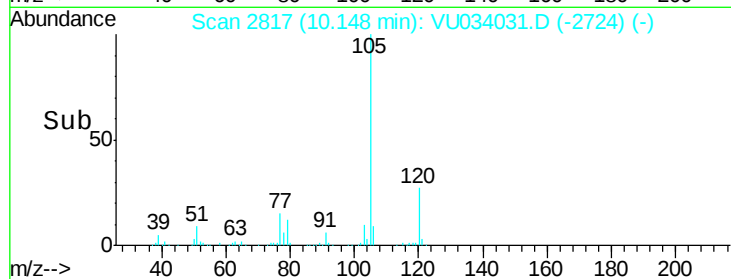
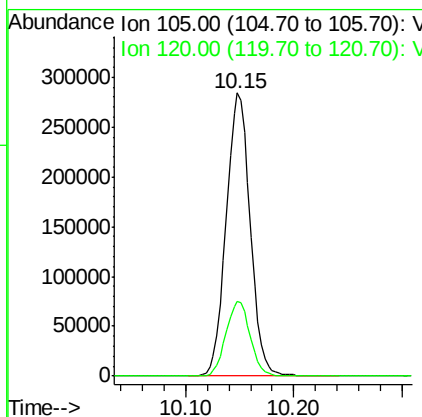
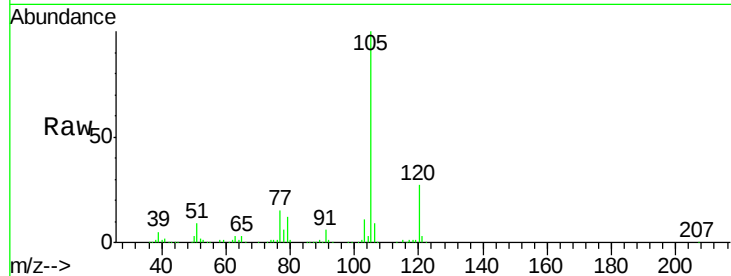
#73
Isopropylbenzene
Concen: 18.910 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.8

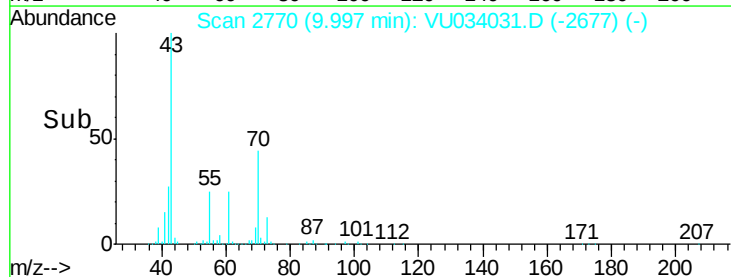
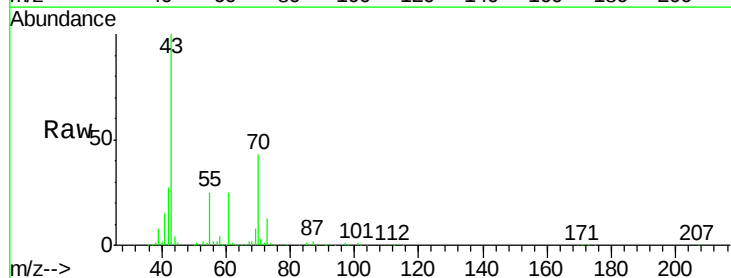
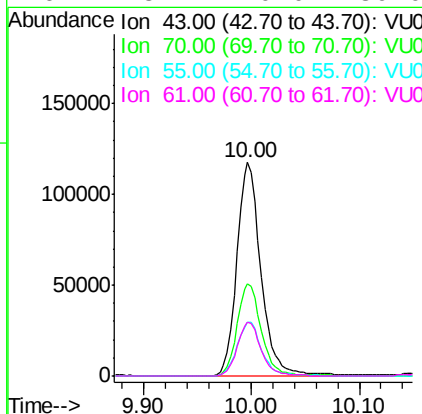
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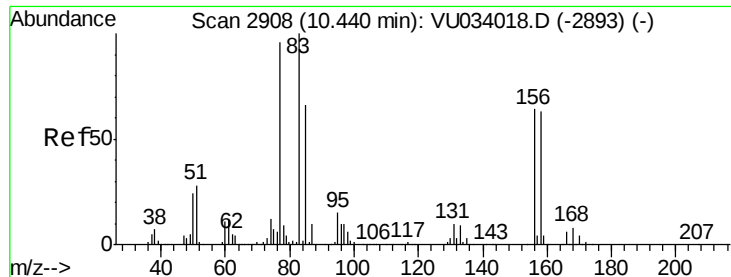
MMDadoda
8/29/2019 8:47:31 AM



#74
N-ethyl acetate
Concen: 18.602 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.2	52.8
55	25.9	20.5	30.7
61	25.2	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.376 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

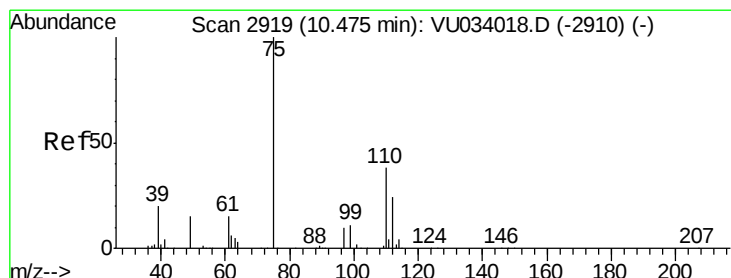
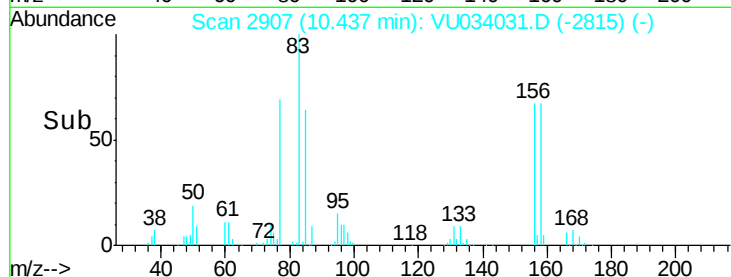
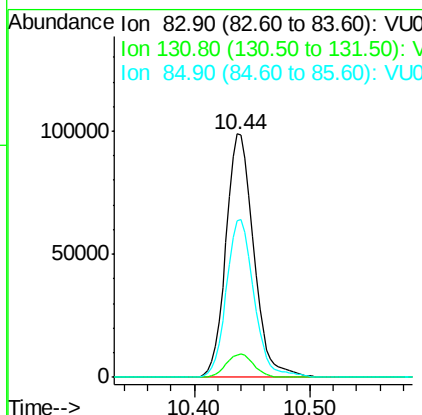
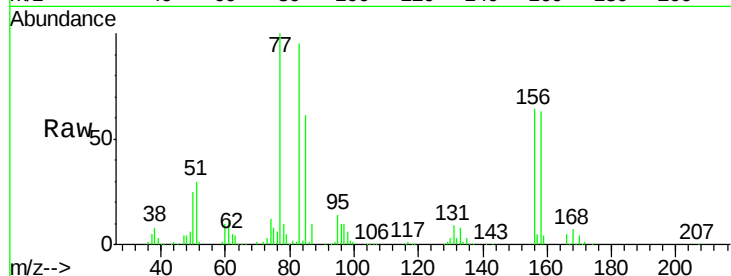
ClientSampleId :

VU0829WBSD01

Tot Ion:	83	Resp:	164027
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	64.7	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 17.919 ug/l m

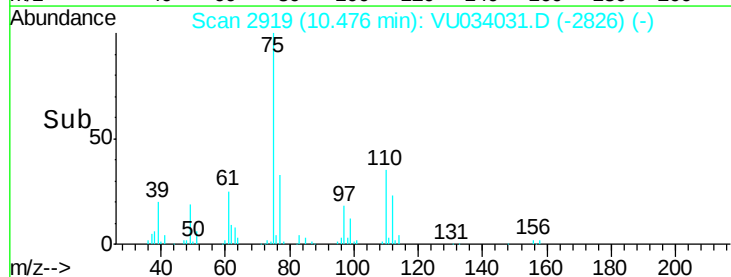
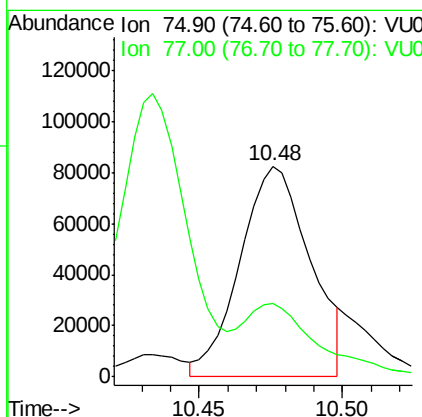
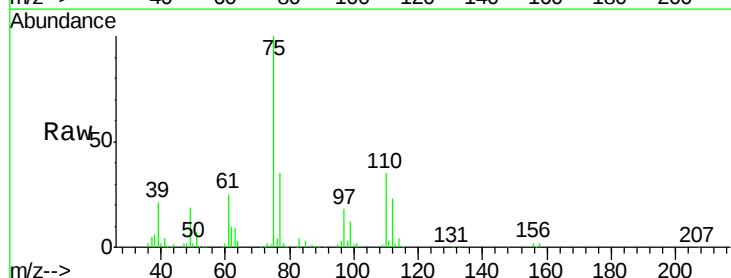
RT: 10.48 min Scan# 2919

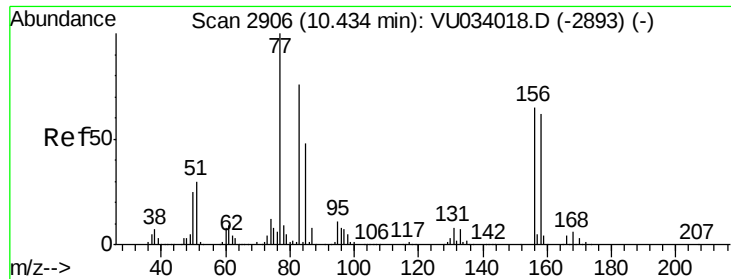
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	75	Resp:	140227
Ion Ratio	Lower	Upper	
75	100		
77	35.7	20.1	60.2





#77

Bromobenzene

Concen: 18.247 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

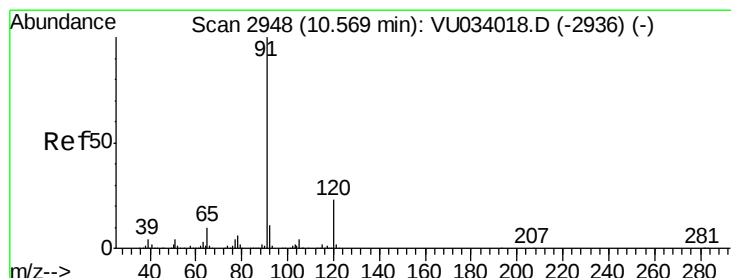
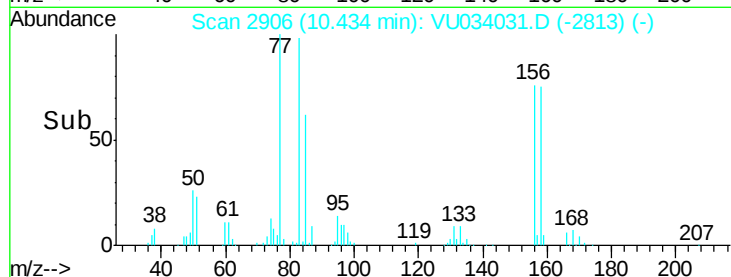
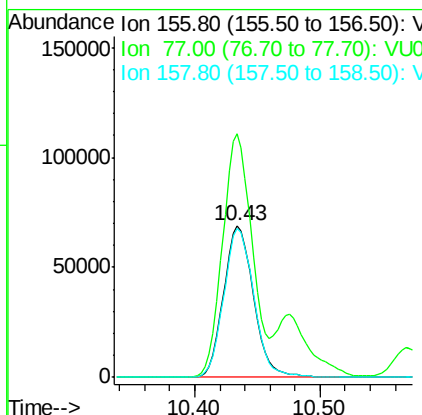
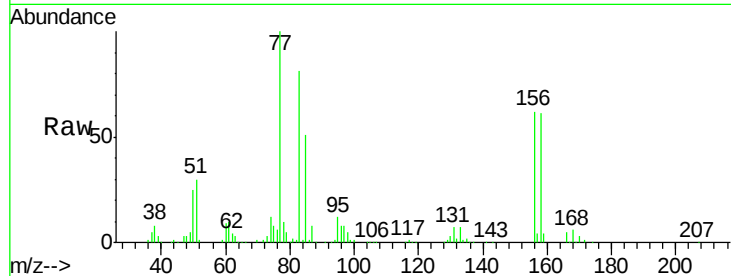
ClientSampleId :

VU0829WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	157.8	76.8	230.5		
158	98.9	48.4	145.0		

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#78

n-propylbenzene

Concen: 19.188 ug/l

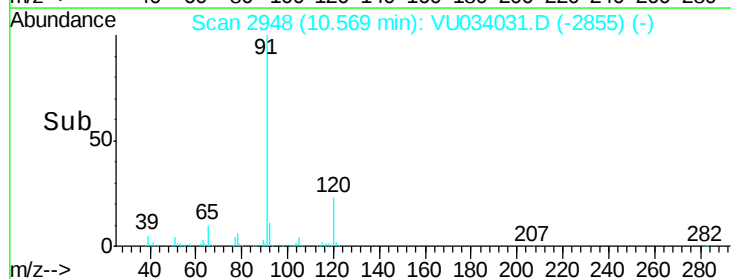
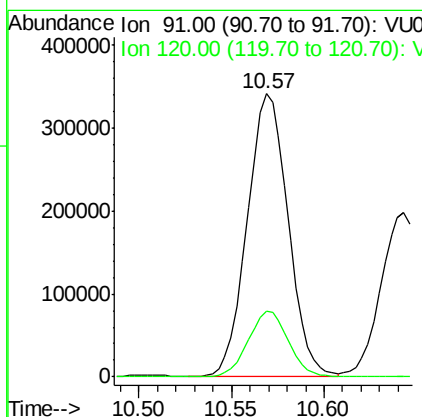
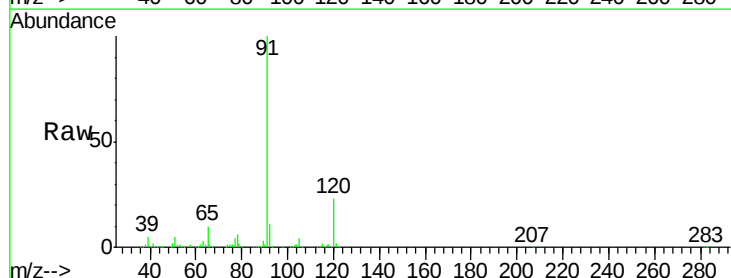
RT: 10.57 min Scan# 2948

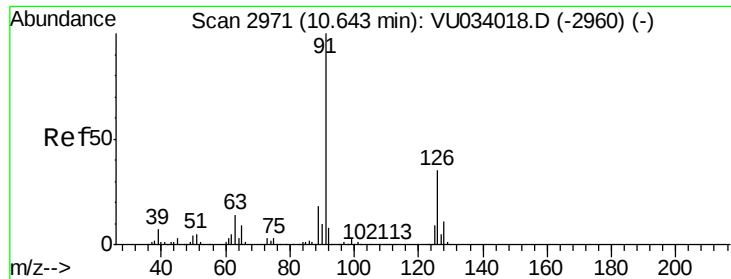
Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.0	11.7	35.0		





#79

2-Chlorotoluene

Concen: 19.290 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion: 91 Resp: 314259

Ion Ratio Lower Upper

91 100

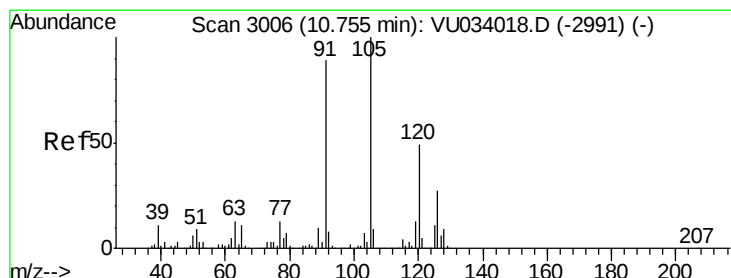
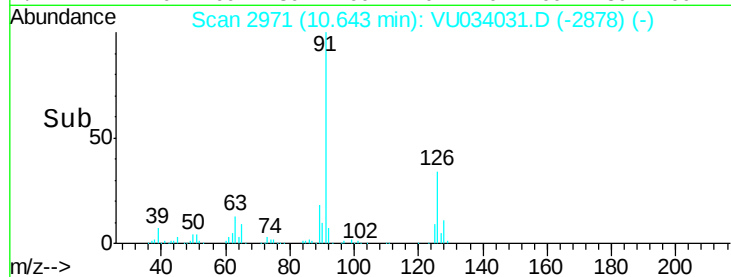
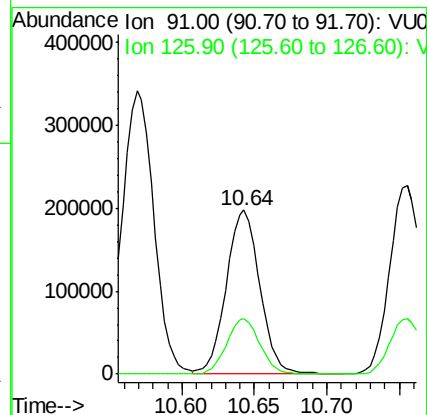
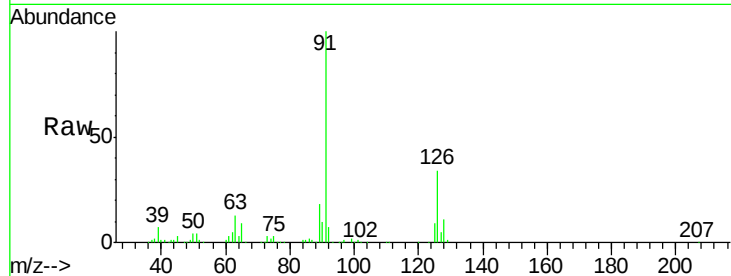
126 33.6 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.756 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034031.D

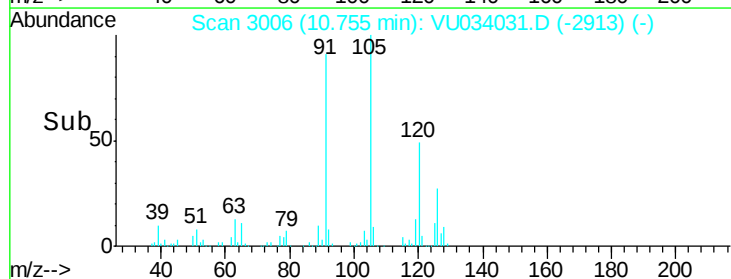
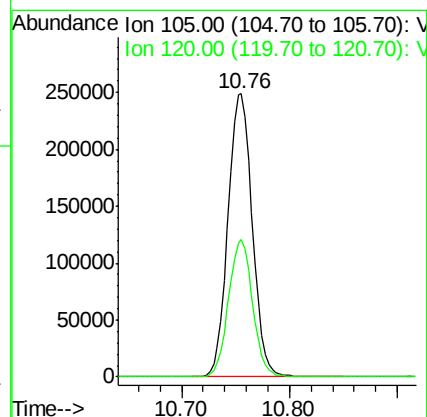
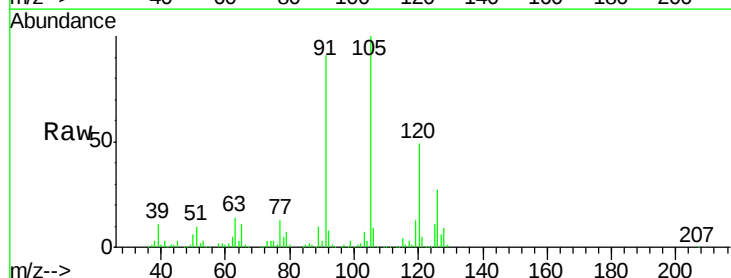
Acq: 28 Aug 2019 18:28

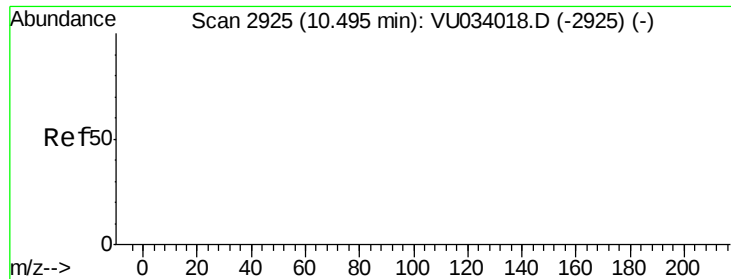
Tgt Ion: 105 Resp: 390502

Ion Ratio Lower Upper

105 100

120 48.0 24.6 73.6





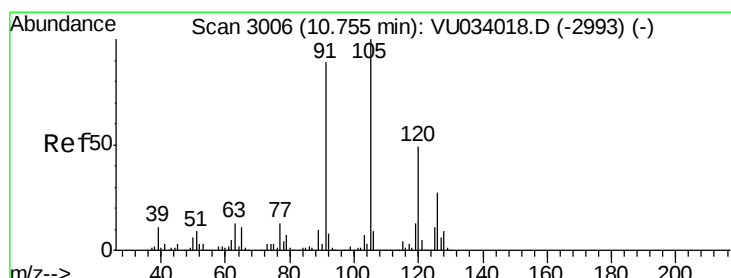
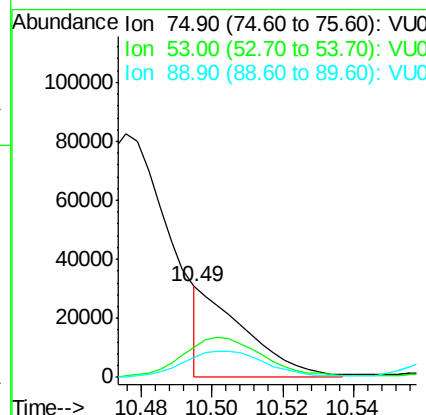
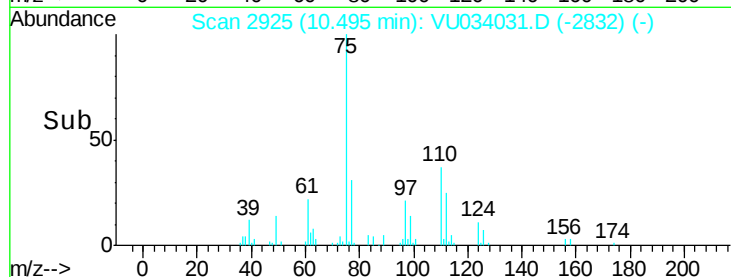
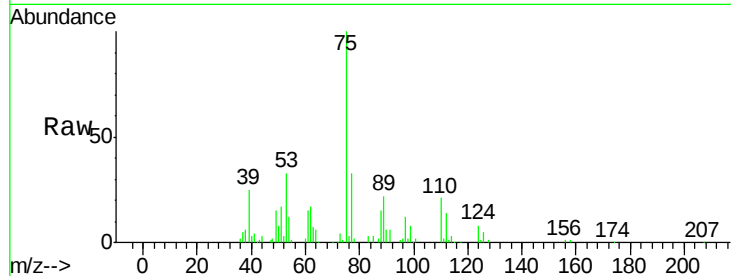
#81
trans-1,4-Dichloro-2-butene
Concen: 11.776 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampled :
VU0829WBSD01

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

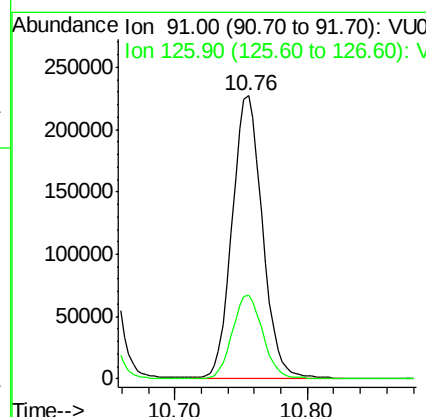
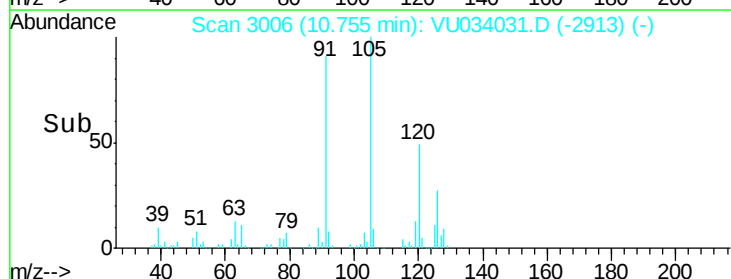
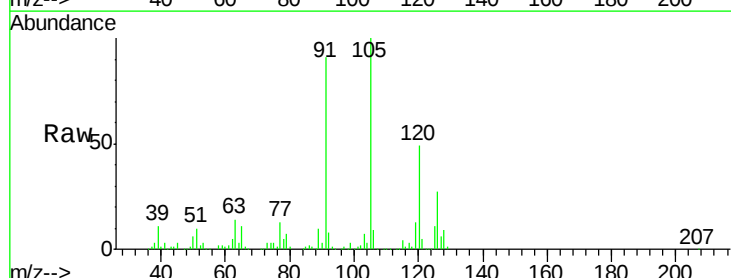
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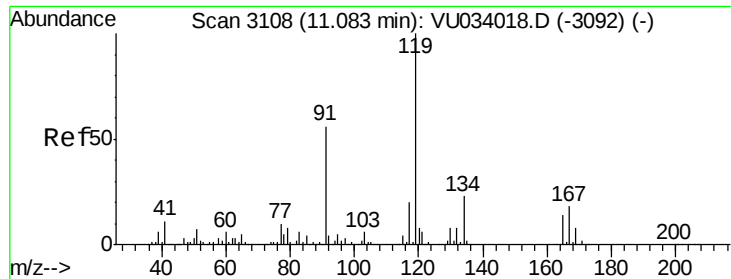
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#82
4-Chlorotoluene
Concen: 19.098 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.0	45.1





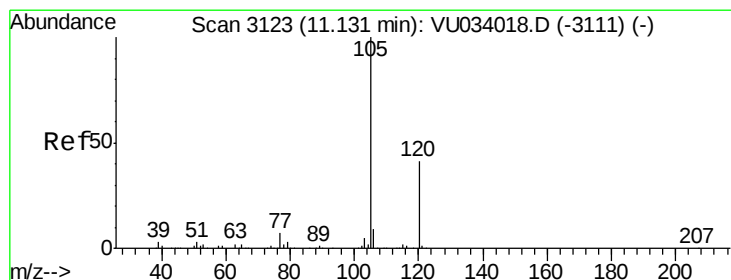
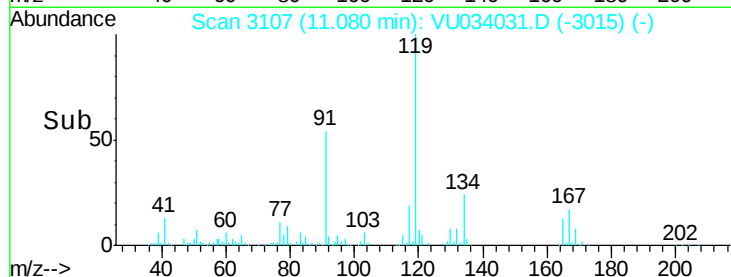
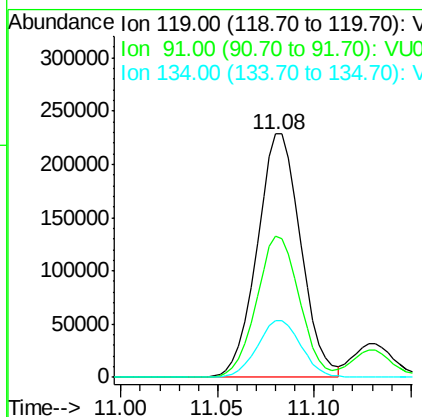
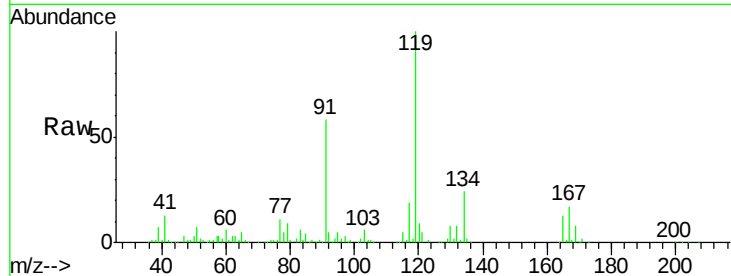
#83
tert-Butylbenzene
Concen: 18.442 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	358856		
91	56.8		27.9	83.6
134	23.4		11.4	34.2

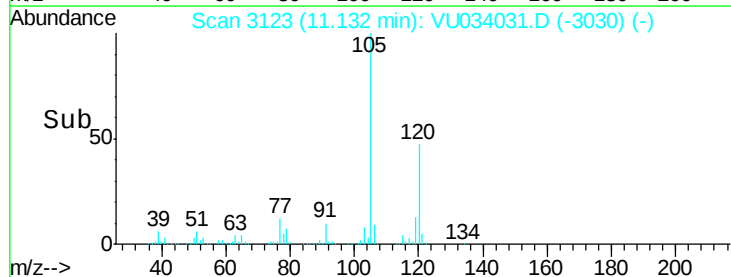
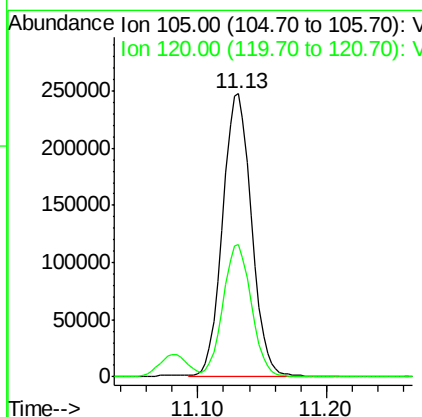
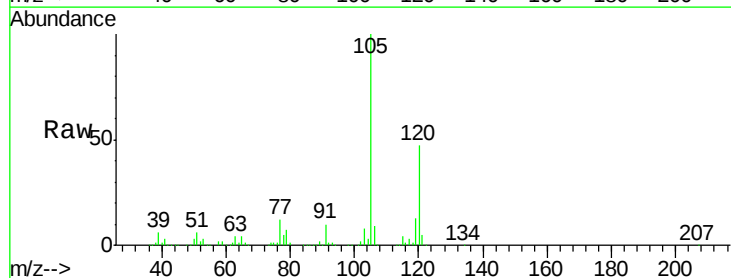
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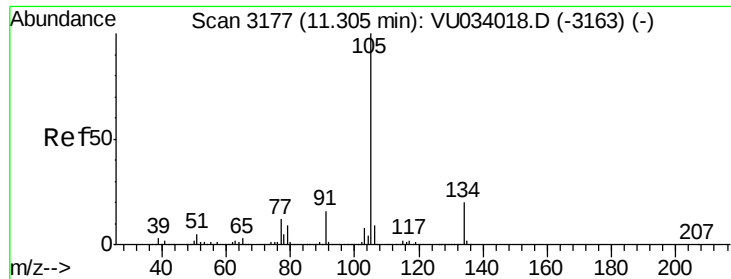
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#84
1,2,4-Trimethylbenzene
Concen: 19.545 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383636		
120	45.9		22.6	67.8





#85

sec-Butylbenzene

Concen: 19.026 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tot Ion:105 Resp: 443741

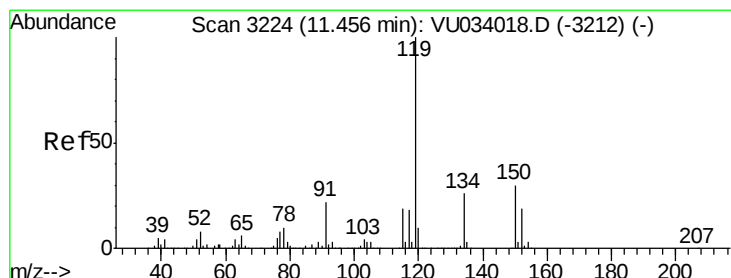
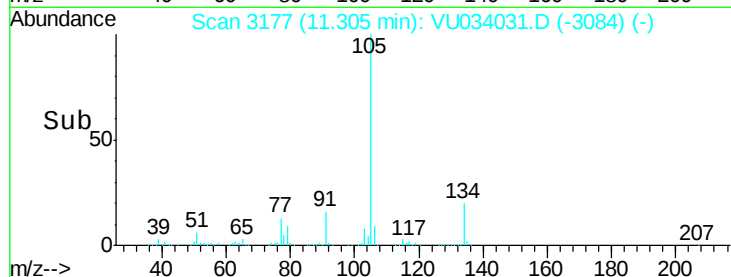
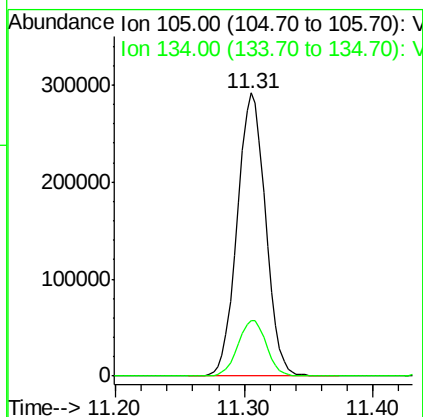
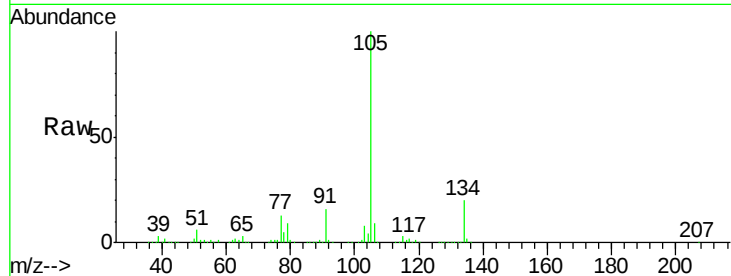
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 19.507 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

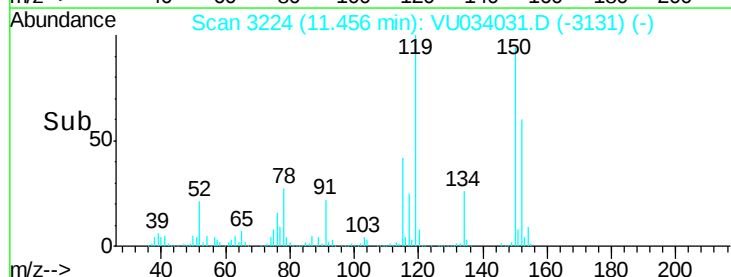
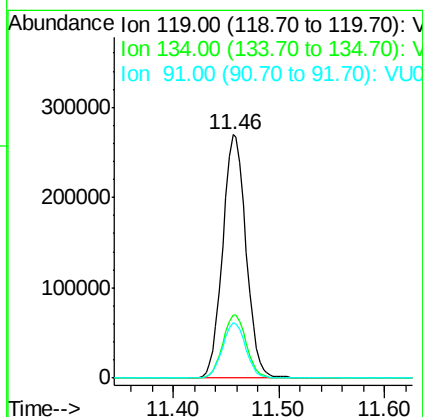
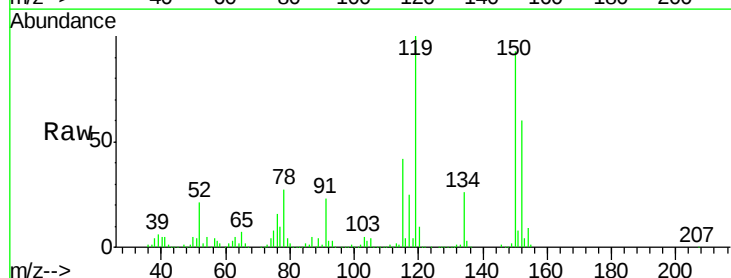
Tgt Ion:119 Resp: 411467

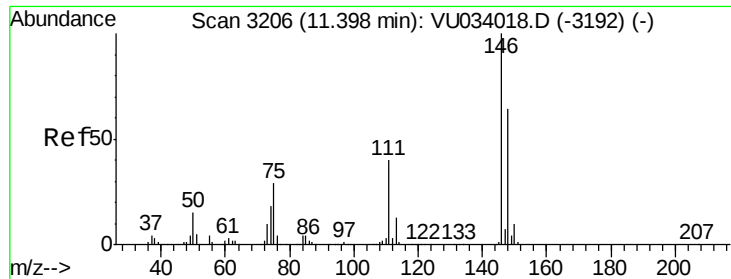
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 22.5 11.2 33.6





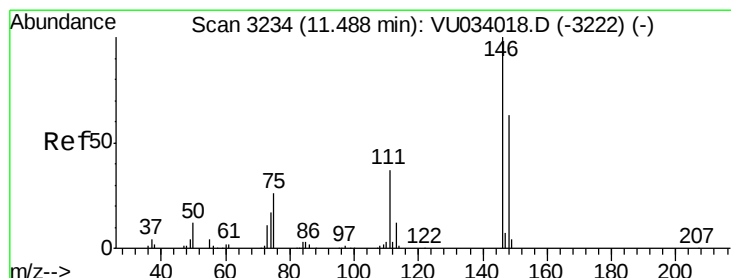
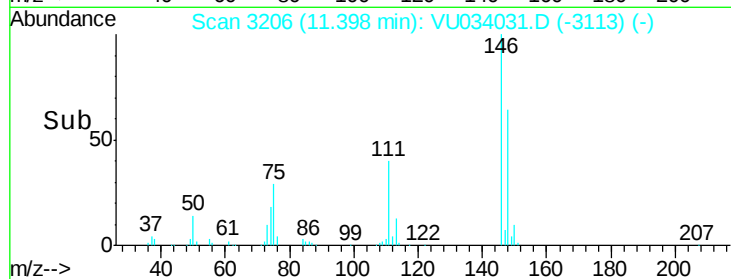
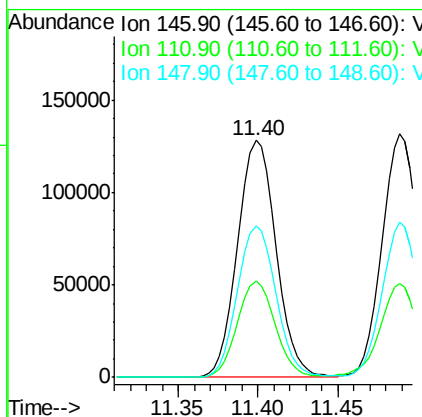
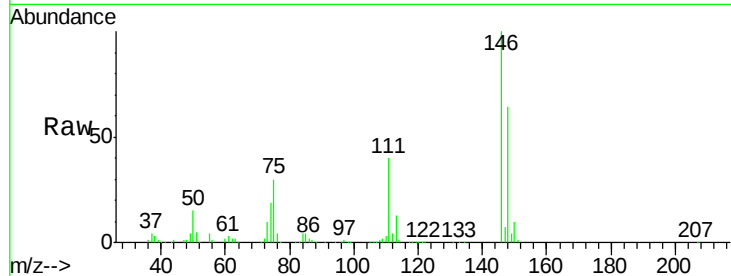
#87
 1,3-Dichlorobenzene
 Concen: 18.982 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampled :
 VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.1	31.9	95.5

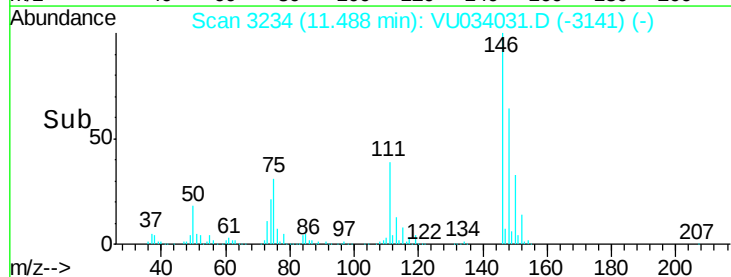
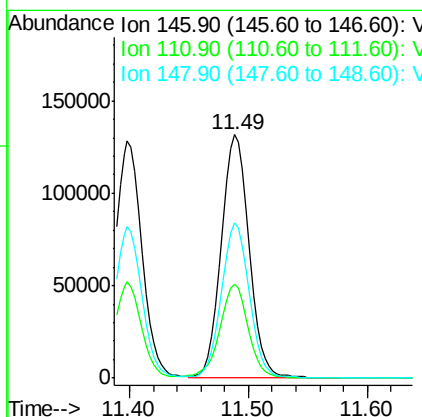
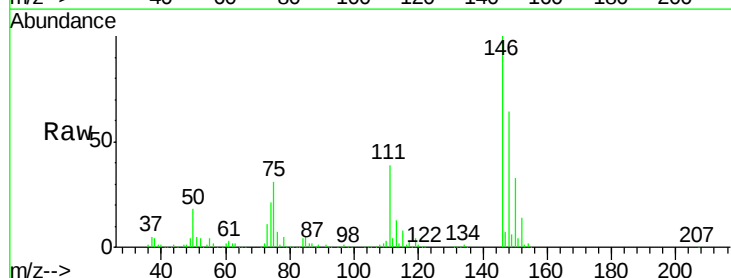
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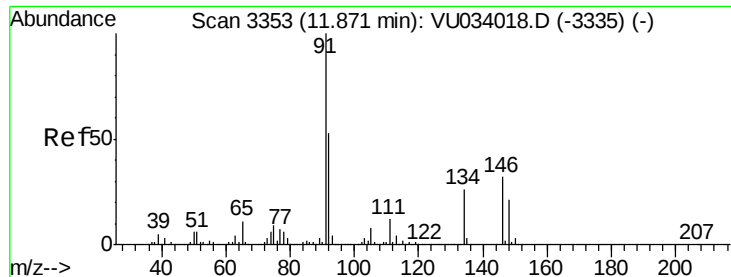
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#88
 1,4-Dichlorobenzene
 Concen: 18.960 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	63.4	31.9	95.9





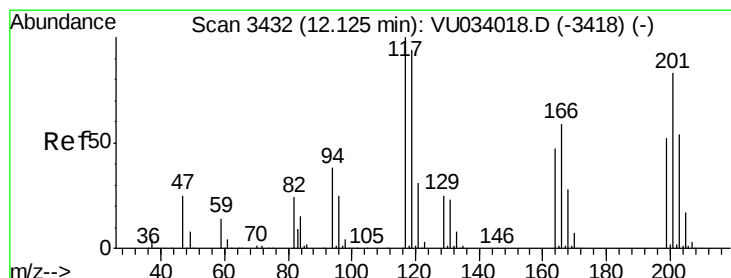
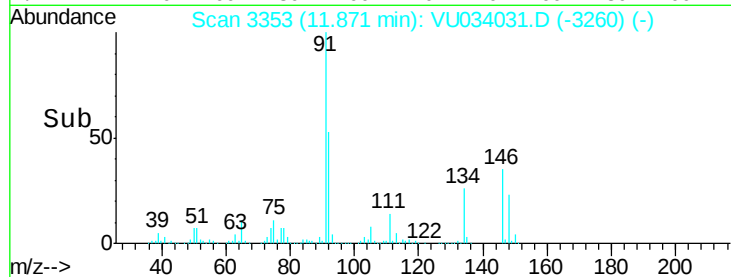
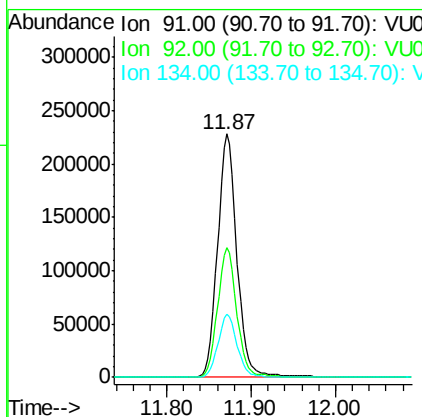
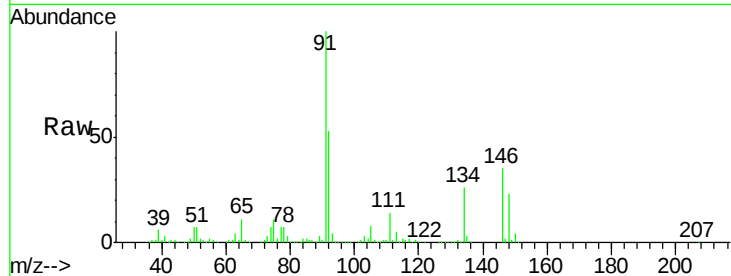
#89
n-Butylbenzene
Concen: 19.613 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	25.6	12.9	38.7

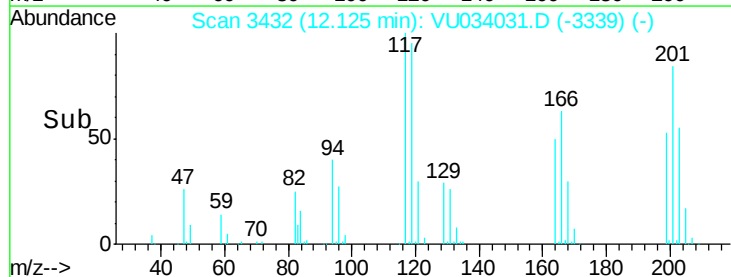
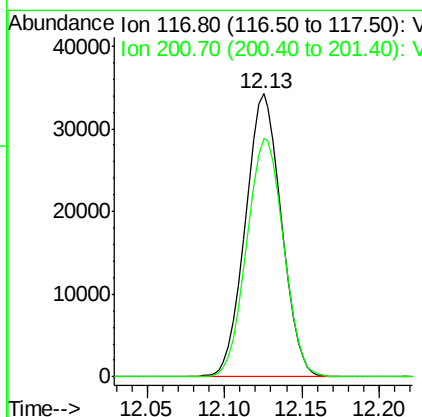
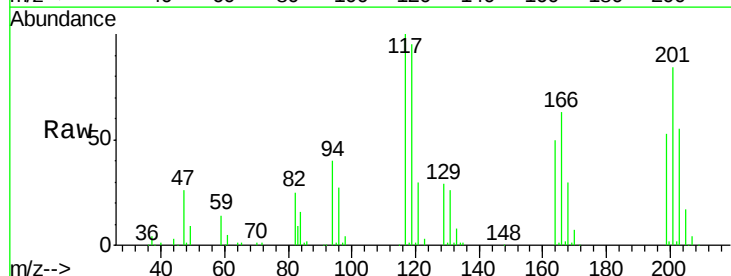
Manual Integrations
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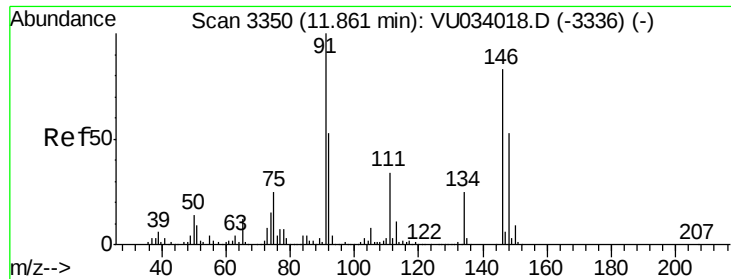
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#90
Hexachloroethane
Concen: 15.258 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.5	127.6





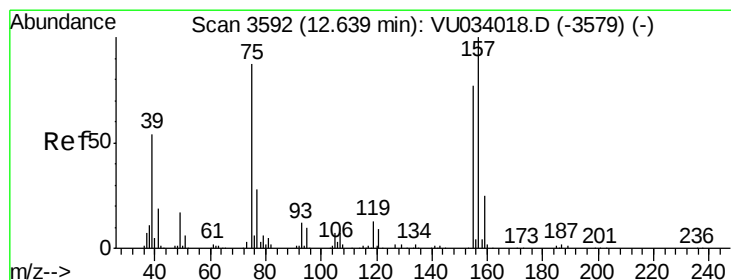
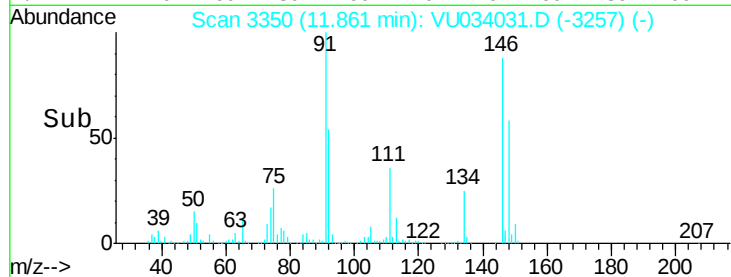
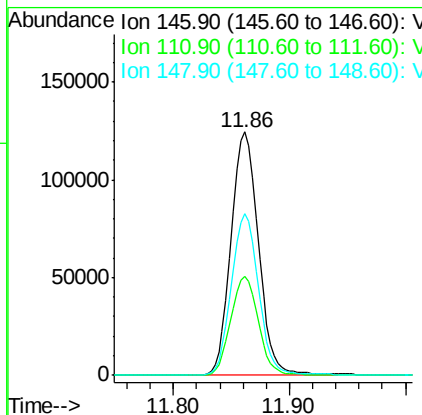
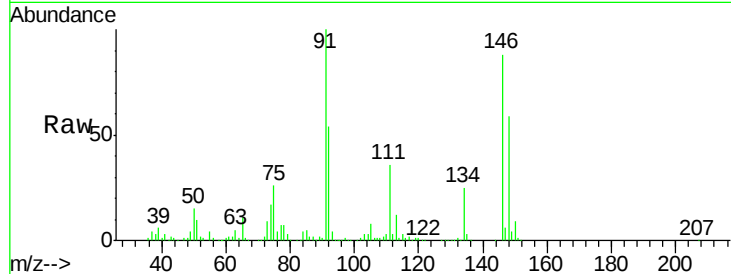
#91
 1,2-Dichlorobenzene
 Concen: 19.089 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203096		
111	41.0		20.4	61.2
148	65.5		32.3	96.8

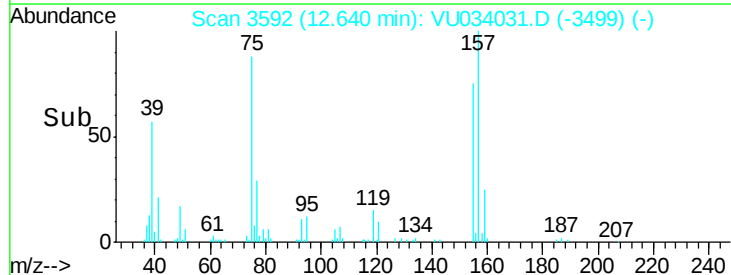
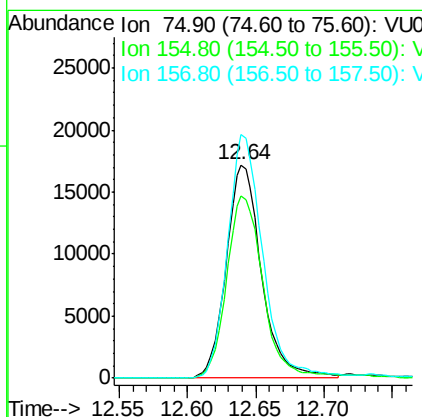
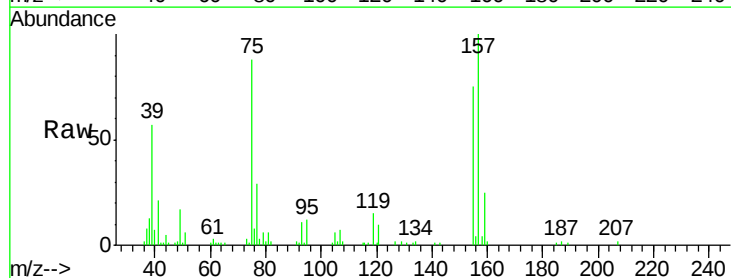
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.441 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31015		
155	87.3		43.5	130.7
157	113.4		56.9	170.6





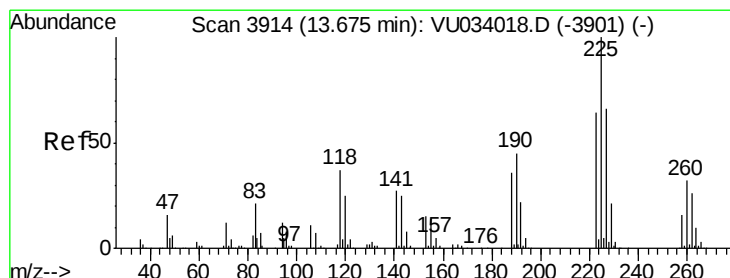
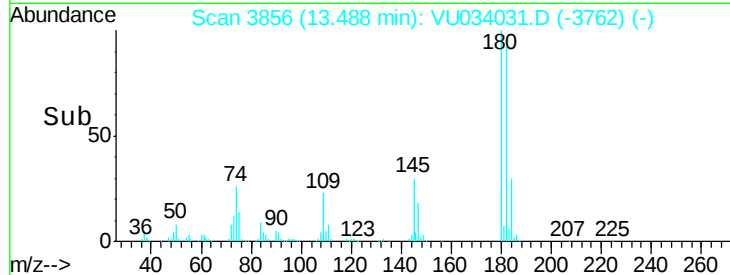
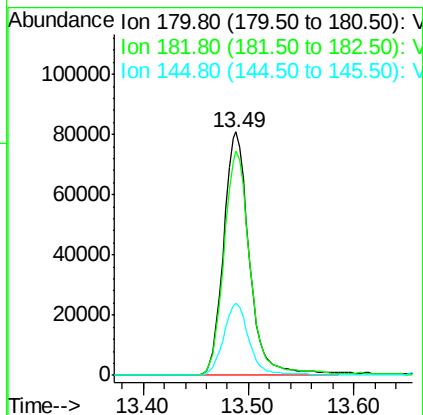
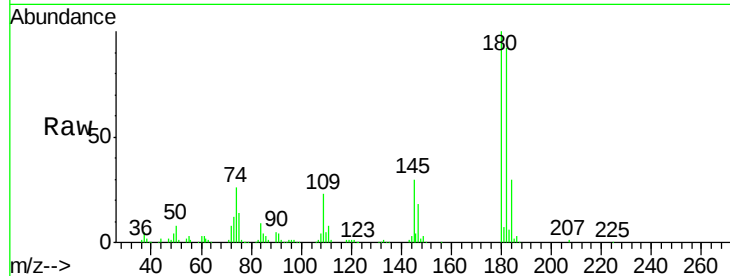
#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137041		
182	92.6	47.4	142.2	
145	28.9	14.1	42.3	

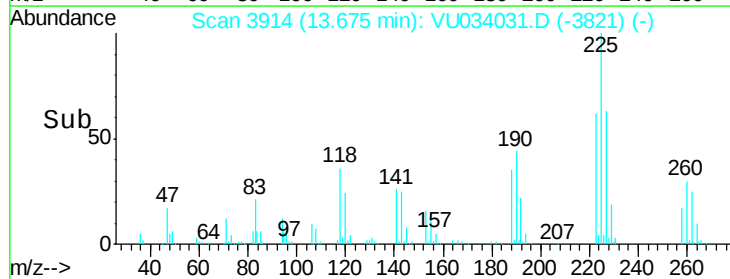
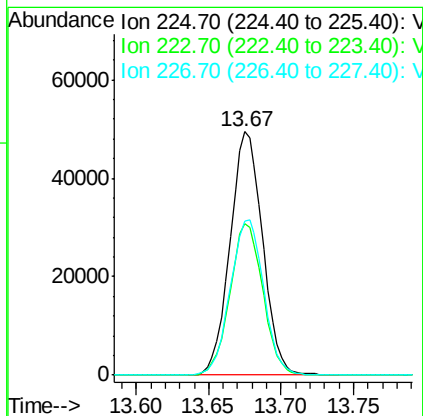
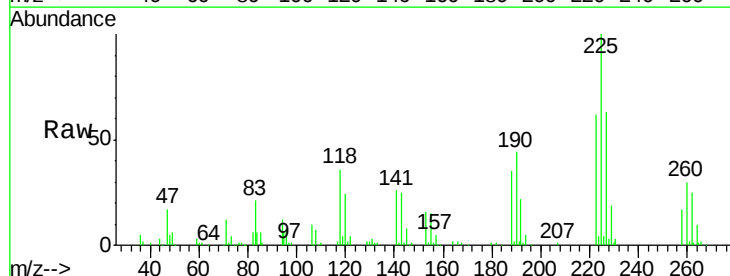
Manual Integrations
 APPROVED

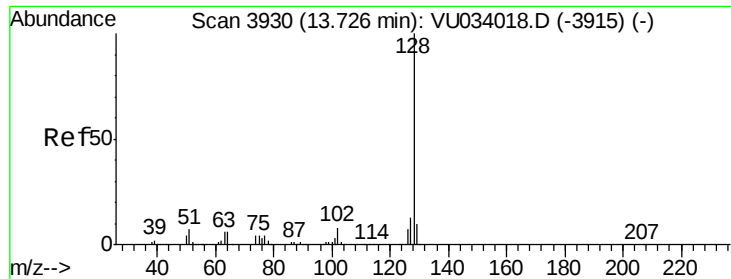
MMDadoda
 8/29/2019 8:47:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.496 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76981		
223	62.4	31.8	95.3	
227	65.4	32.6	97.8	





#95

Naphthalene

Concen: 18.558 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

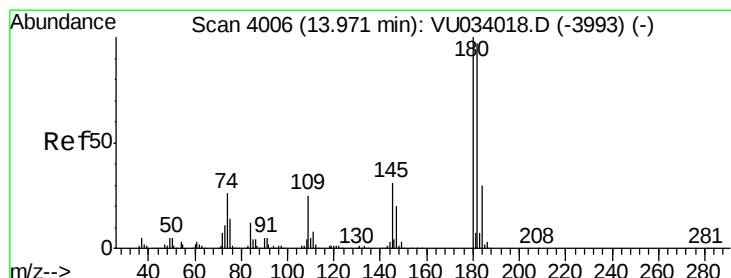
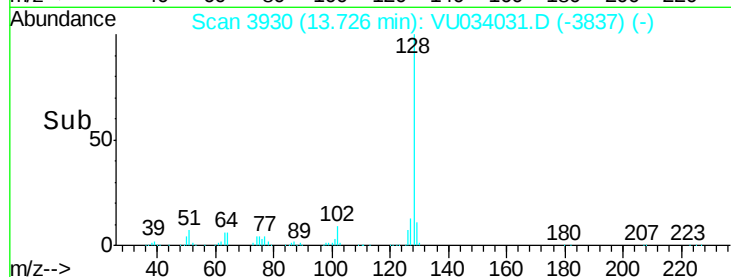
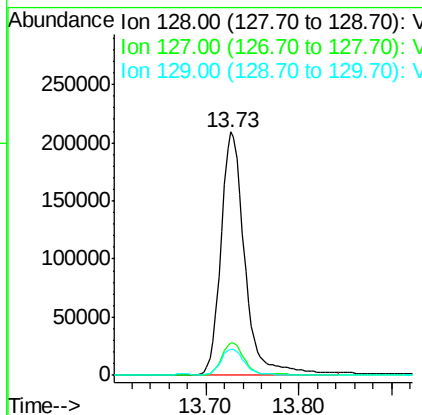
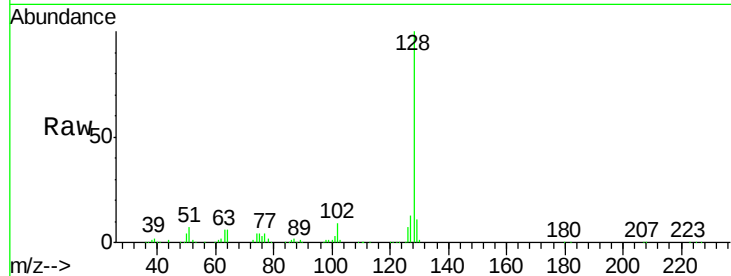
ClientSampleId :

VU0829WBSD01

Tot Ion:	128	Resp:	376893
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.5	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.294 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion:	180	Resp:	138313
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.2	144.6
145	30.4	15.5	46.5

