

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034217.D
 Acq On : 03 Sep 2019 11:09
 Operator : JC/SP
 Sample : VU0904WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 4:57:29 PM

Quant Time: Sep 04 04:55:42 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	390768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	614060	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	591439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	320743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	226070	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	4.86	113	193879	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	7.55	98	739960	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	10.29	95	278562	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65995	16.792	ug/l	99
3) Chloromethane	1.32	50	87422	15.201	ug/l	100
4) Vinyl Chloride	1.40	62	85913	16.425	ug/l	99
5) Bromomethane	1.62	94	50665	16.196	ug/l	95
6) Chloroethane	1.69	64	54575	17.066	ug/l	99
7) Trichlorofluoromethane	1.88	101	107320	17.707	ug/l	98
8) Diethyl Ether	2.09	74	46683	18.005	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68915	17.949	ug/l	99
10) Methyl Iodide	2.40	142	50866	9.339	ug/l	100
11) Tert butyl alcohol	2.81	59	81361	70.463	ug/l	100
12) 1,1-Dichloroethene	2.27	96	68916	17.617	ug/l	98
13) Acrolein	2.18	56	21422	44.102	ug/l	99
14) Allyl chloride	2.58	41	125198m	17.022	ug/l	
15) Acrylonitrile	2.92	53	221637	83.650	ug/l	98
16) Acetone	2.31	43	206890	80.980	ug/l	100
17) Carbon Disulfide	2.47	76	188812	15.250	ug/l	100
18) Methyl Acetate	2.60	43	106128	16.075	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	231953	18.096	ug/l	100
20) Methylene Chloride	2.69	84	84052	17.378	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	72641	17.110	ug/l	97
22) Diisopropyl ether	3.55	45	249827	18.536	ug/l	96
23) Vinyl Acetate	3.51	43	998648	86.255	ug/l	99
24) 1,1-Dichloroethane	3.43	63	144936	18.215	ug/l	99
25) 2-Butanone	4.24	43	295009	82.997	ug/l	99
26) 2,2-Dichloropropane	4.20	77	114408	17.670	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	85607	17.964	ug/l	100
28) Bromochloromethane	4.52	49	74917	19.110	ug/l	100
29) Tetrahydrofuran	4.62	42	185758	84.743	ug/l	98
30) Chloroform	4.65	83	143599	18.088	ug/l	100
31) Cyclohexane	4.97	56	121850	16.297	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	117796	18.117	ug/l	99
36) 1,1-Dichloropropene	5.12	75	100562	17.314	ug/l	99
37) Ethyl Acetate	4.36	43	105324	16.193	ug/l	98
38) Carbon Tetrachloride	5.11	117	100202	17.873	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	112626	16.452	ug/l	98
40) Benzene	5.37	78	317853	18.088	ug/l	99
41) Methacrylonitrile	4.52	41	55501	16.638	ug/l	97
42) 1,2-Dichloroethane	5.38	62	109462	18.038	ug/l	98
43) Isopropyl Acetate	5.53	43	161129	16.284	ug/l	100
44) Trichloroethene	6.17	130	84066	18.217	ug/l	99
45) 1,2-Dichloropropane	6.41	63	89788	18.561	ug/l	99
46) Dibromomethane	6.54	93	55371	17.767	ug/l	99
47) Bromodichloromethane	6.74	83	108769	17.838	ug/l	100
48) Methyl methacrylate	6.60	41	75506	15.813	ug/l	98
49) 1,4-Dioxane	6.59	88	32404	270.850	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	553237	80.958	ug/l	99
52) Toluene	7.62	92	201183	18.584	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	113588	16.789	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	129941	17.580	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	82202	17.952	ug/l	98
56) Ethyl methacrylate	8.00	69	110989	15.300	ug/l	100
57) 1,3-Dichloropropane	8.22	76	137617	17.700	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	179948	71.034	ug/l	99
59) 2-Hexanone	8.34	43	404306	78.372	ug/l	100
60) Dibromochloromethane	8.46	129	86414	17.581	ug/l	98
61) 1,2-Dibromoethane	8.57	107	81501	16.896	ug/l	100
64) Tetrachloroethene	8.21	164	75566	19.025	ug/l	100
65) Chlorobenzene	9.10	112	217456	17.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	77929	17.657	ug/l	99
67) Ethyl Benzene	9.23	91	361781	17.535	ug/l	100
68) m/p-Xylenes	9.36	106	282951	36.068	ug/l	99
69) o-Xylene	9.76	106	131864	17.520	ug/l	99
70) Styrene	9.77	104	232787	18.038	ug/l	100
71) Bromoform	9.94	173	63394	16.532	ug/l #	100
73) Isopropylbenzene	10.15	105	360341	16.726	ug/l	99
74) N-amyl acetate	10.00	43	138852	15.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	134031	16.254	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	111053m	15.362	ug/l	
77) Bromobenzene	10.43	156	97633	16.847	ug/l	98
78) n-propylbenzene	10.57	91	422832	16.853	ug/l	99
79) 2-Chlorotoluene	10.64	91	256349	17.034	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	317825	17.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34332m	15.992	ug/l	
82) 4-Chlorotoluene	10.75	91	295785	17.090	ug/l	100
83) tert-Butylbenzene	11.08	119	292912	16.295	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	309733	17.082	ug/l	98
85) sec-Butylbenzene	11.30	105	356587	16.551	ug/l	100
86) p-Isopropyltoluene	11.46	119	328304	16.849	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	175423	17.098	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	178282	17.182	ug/l	99
89) n-Butylbenzene	11.87	91	278082	16.187	ug/l	99
90) Hexachloroethane	12.12	117	47737	14.170	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	173575	17.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25040	15.243	ug/l	96

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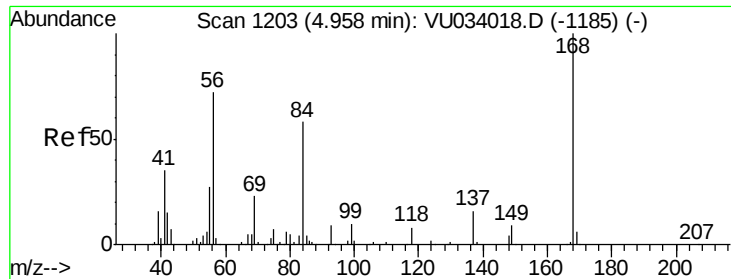
Manual Integrations
APPROVED

MMDadoda
9/4/2019 4:57:29 PM

Quant Time: Sep 04 04:55:42 2019
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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)
93) 1,2,4-Trichlorobenzene	13.49	180	103312	15.563	ug/l	99
94) Hexachlorobutadiene	13.67	225	58219	15.142	ug/l	99
95) Naphthalene	13.73	128	264379	14.523	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	104512	16.600	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion:168 Resp: 390768

Ion Ratio Lower Upper

168 100

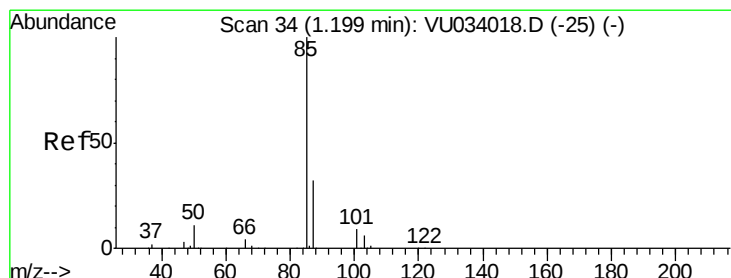
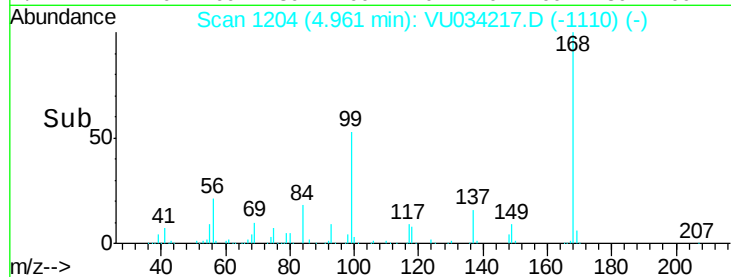
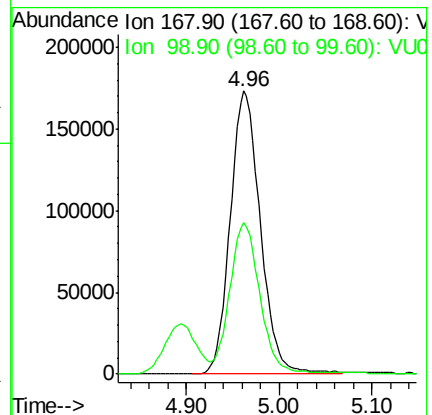
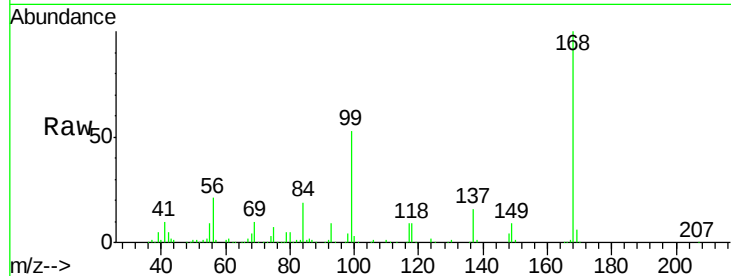
99 52.9 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.792 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034217.D

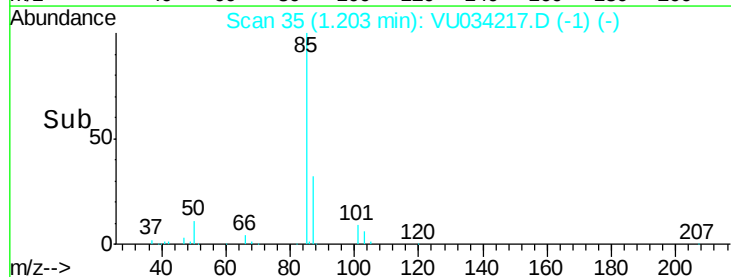
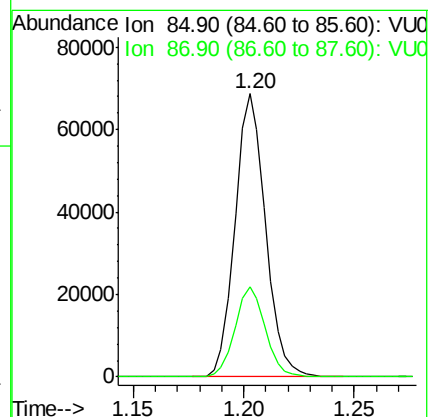
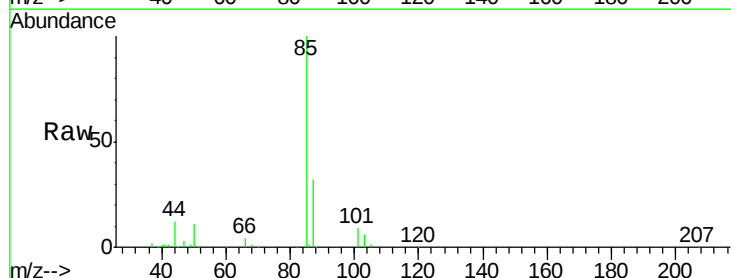
Acq: 03 Sep 2019 11:09

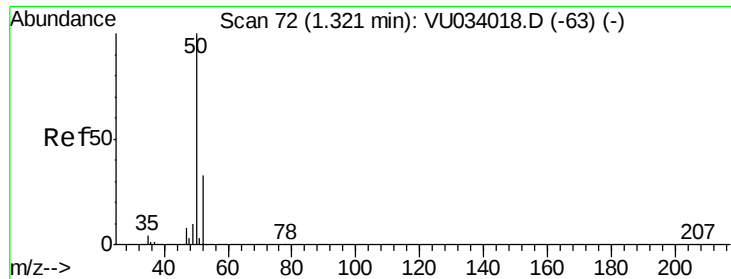
Tgt Ion: 85 Resp: 65995

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3





#3

Chloromethane

Concen: 15.201 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 50 Resp: 87422

Ion Ratio Lower Upper

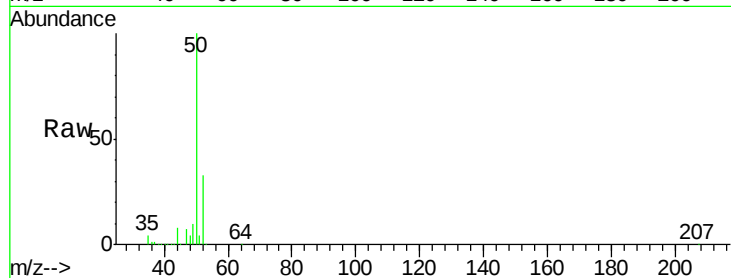
50 100

52 32.6 26.2 39.4

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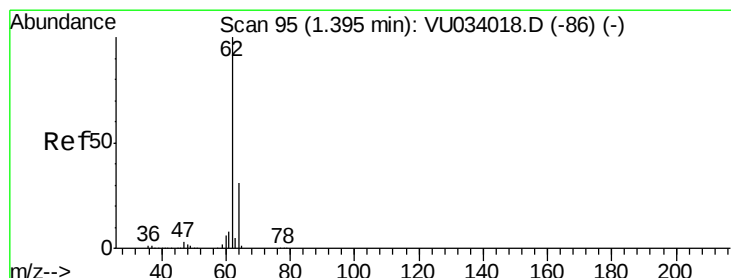
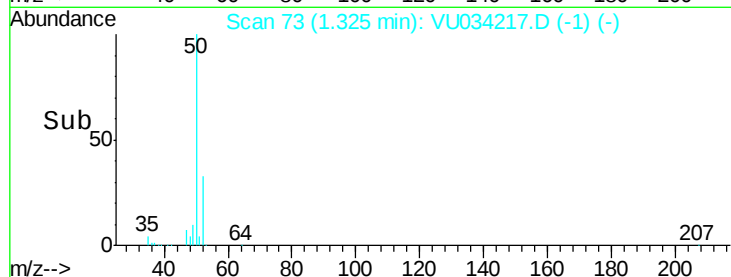
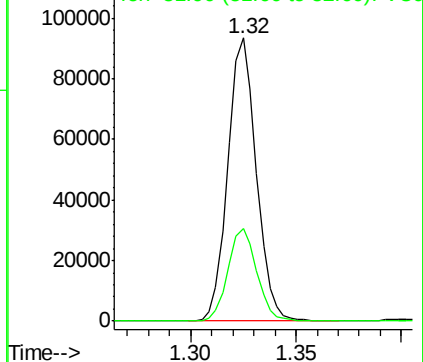
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 16.425 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034217.D

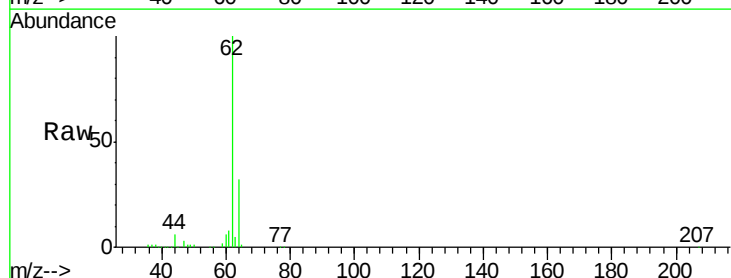
Acq: 03 Sep 2019 11:09

Tgt Ion: 62 Resp: 85913

Ion Ratio Lower Upper

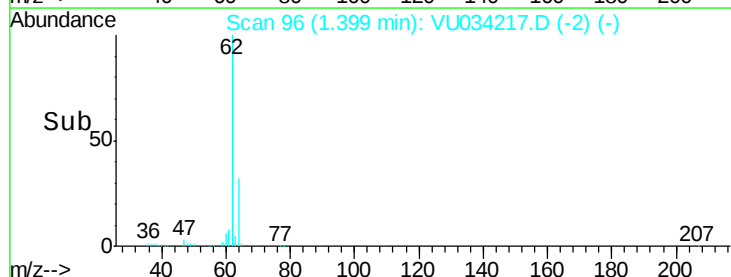
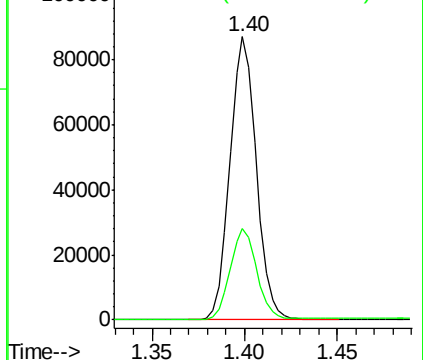
62 100

64 32.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 16.196 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 94 Resp: 50665

Ion Ratio Lower Upper

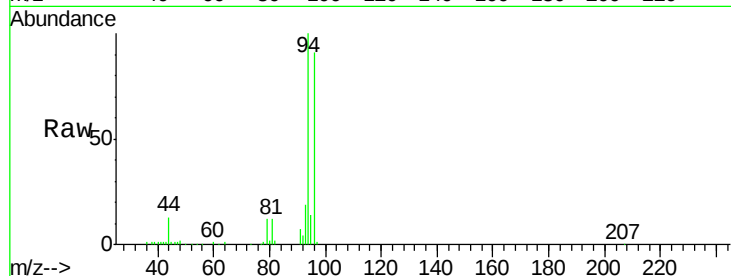
94 100

96 90.7 76.3 114.5

Manual Integrations
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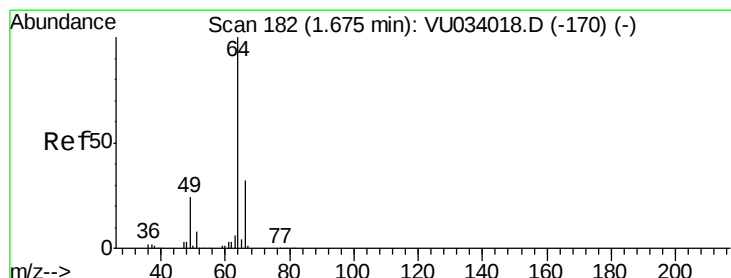
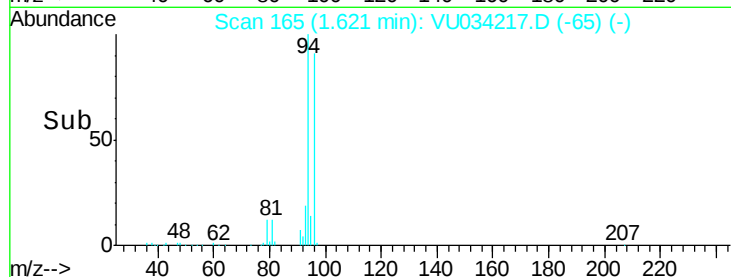
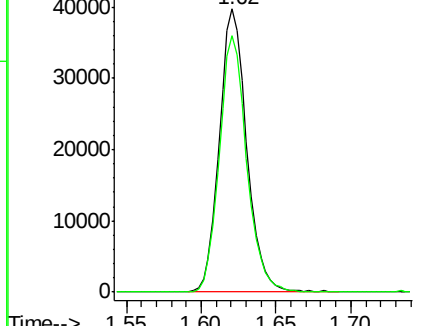
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Abundance Ion 93.90 (93.60 to 94.60): VU034217.D (-165) (-)

Ion 95.90 (95.60 to 96.60): VU034217.D (-165) (-)



#6

Chloroethane

Concen: 17.066 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034217.D

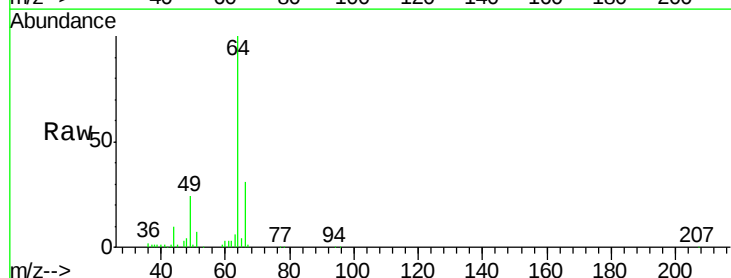
Acq: 03 Sep 2019 11:09

Tgt Ion: 64 Resp: 54575

Ion Ratio Lower Upper

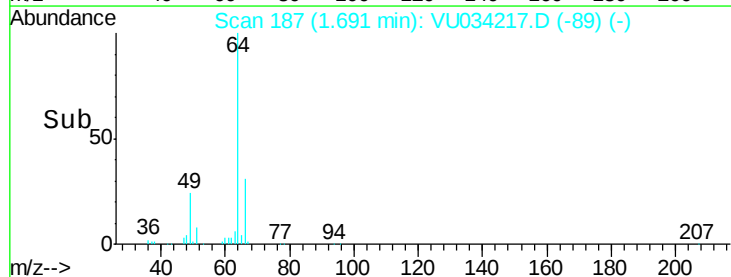
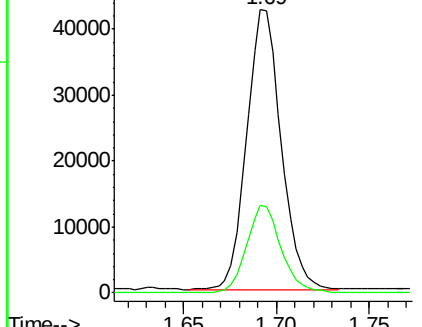
64 100

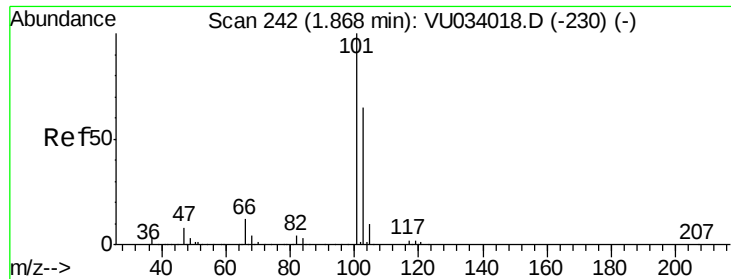
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034217.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VU034217.D (-187) (-)





#7

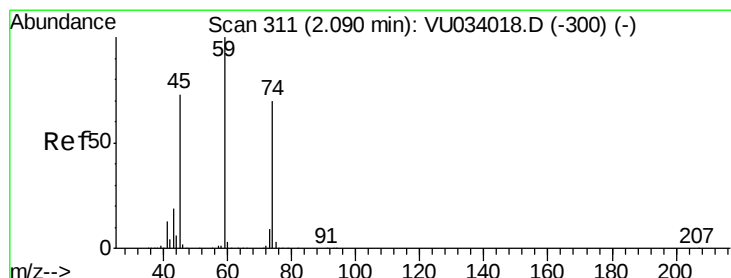
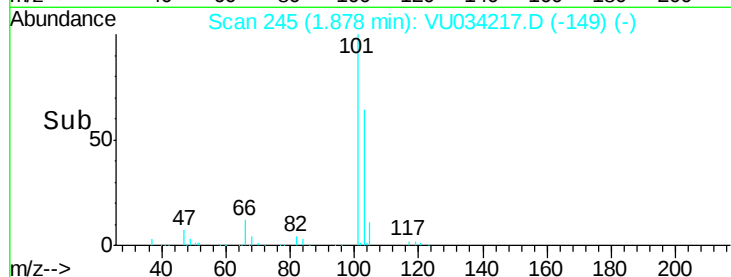
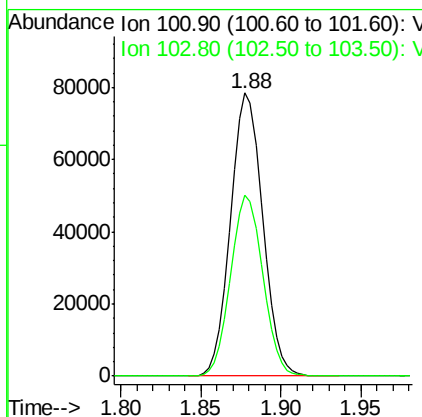
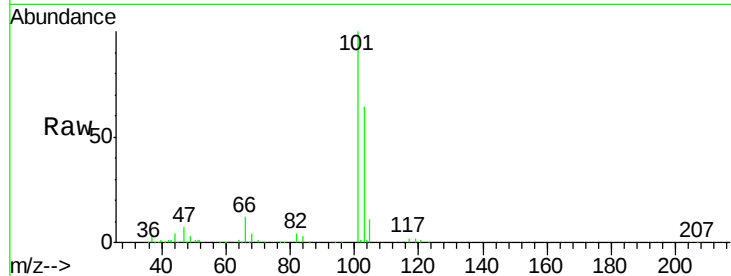
Trichlorofluoromethane
 Concen: 17.707 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
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 VU0904WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

Manual Integrations
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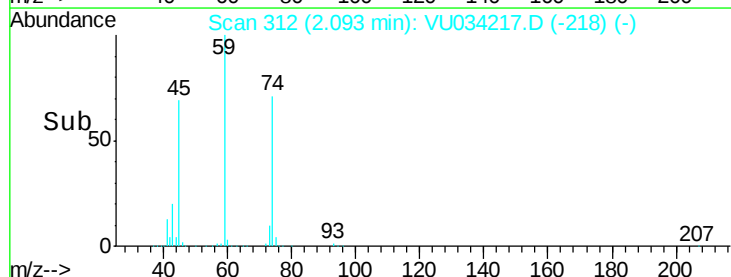
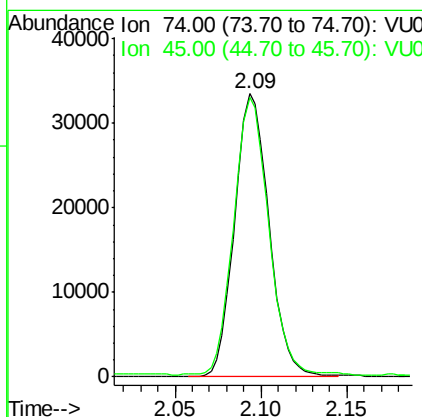
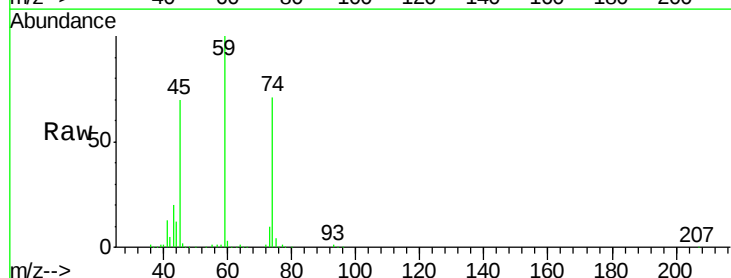
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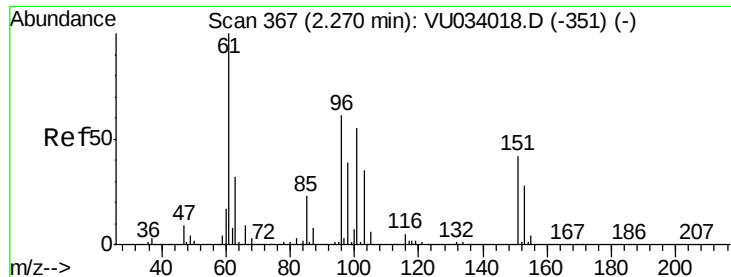


#8

Diethyl Ether
 Concen: 18.005 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.949 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

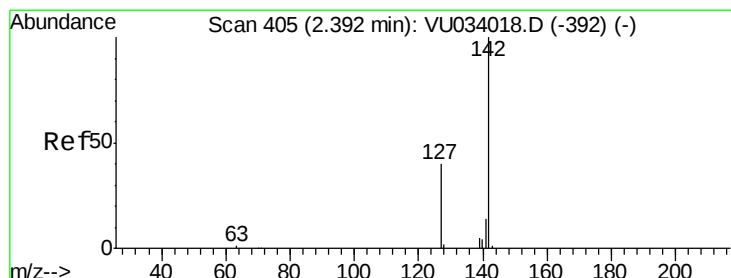
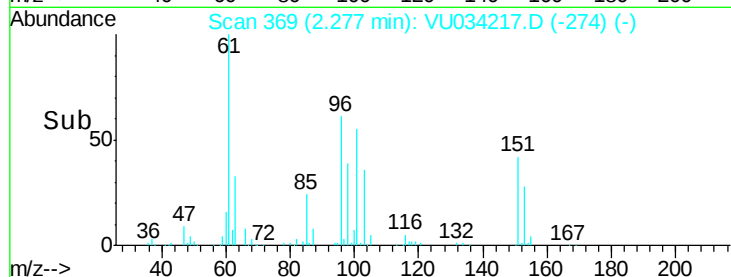
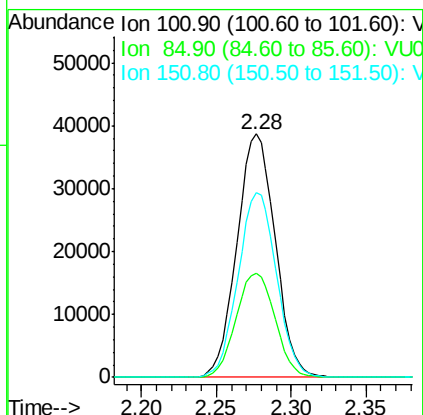
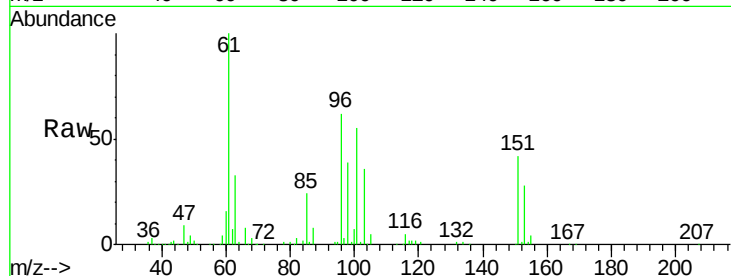
ClientSampleId :

VU0904WBS01

Tot Ion:	101	Resp:	68915
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.2
151	76.4	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 9.339 ug/l

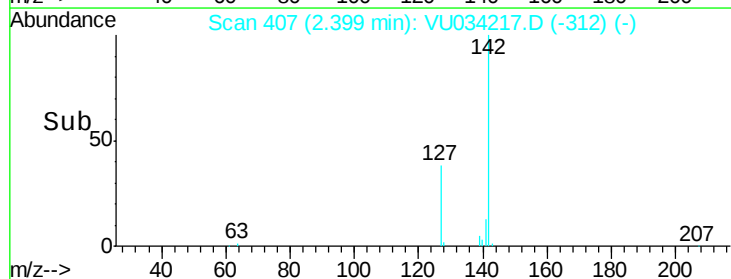
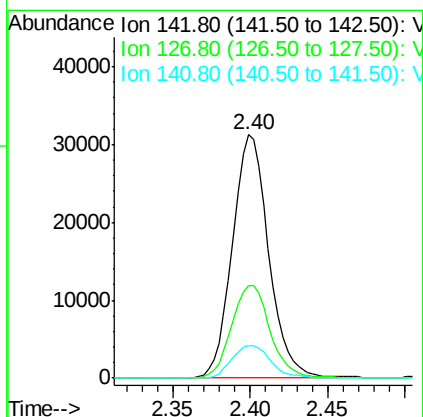
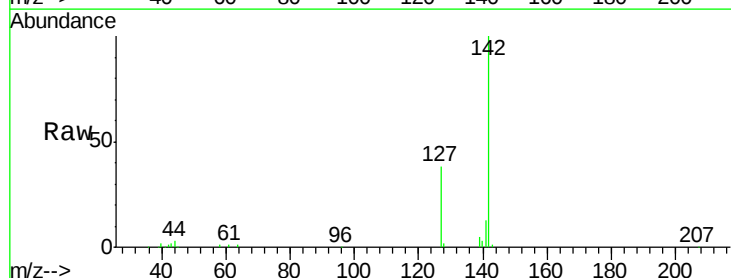
RT: 2.40 min Scan# 407

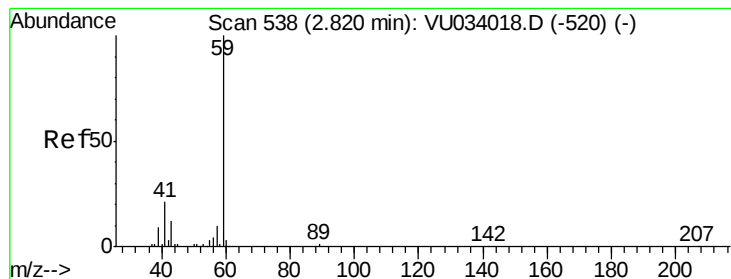
Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion:	142	Resp:	50866
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.6	48.8
141	14.5	11.3	16.9





#11

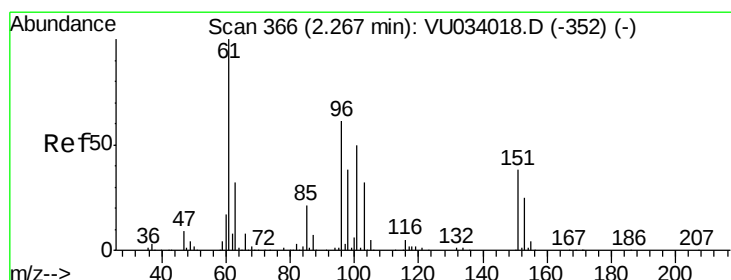
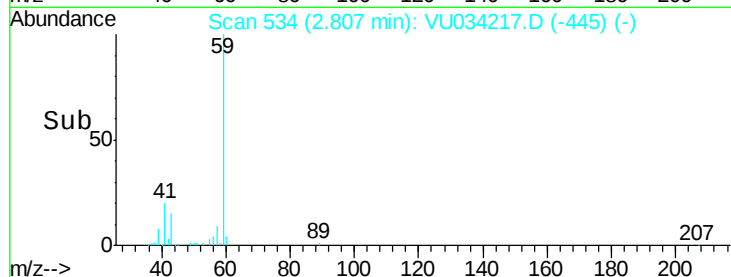
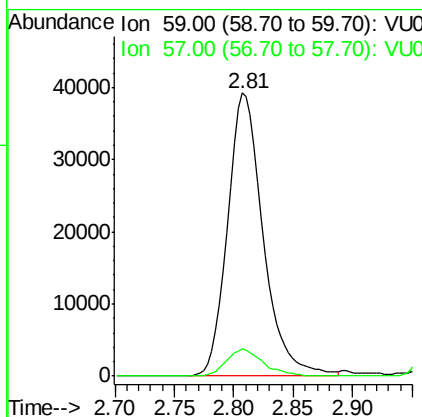
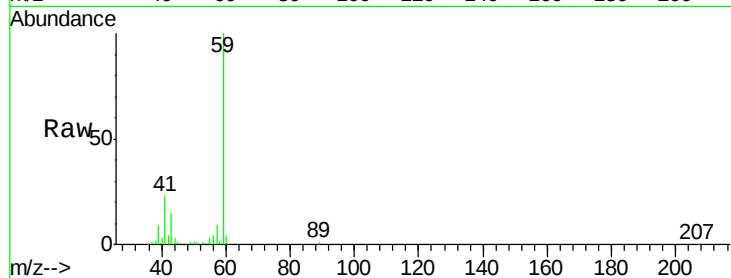
Tert butyl alcohol
Concen: 70.463 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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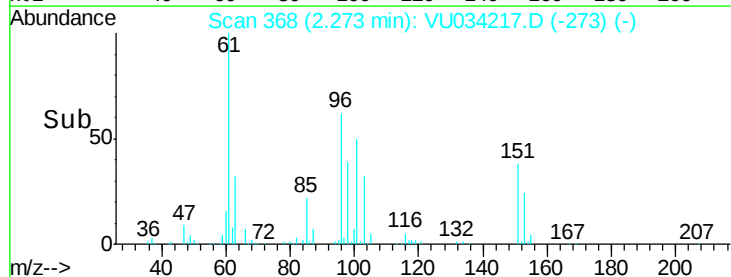
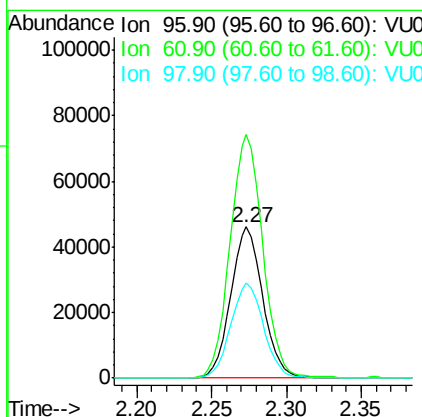
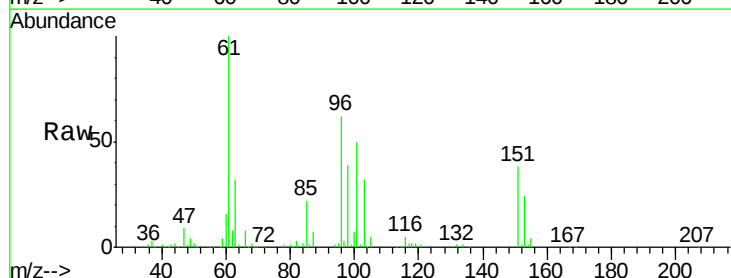
MMDadoda
9/4/2019 4:57:29 PM

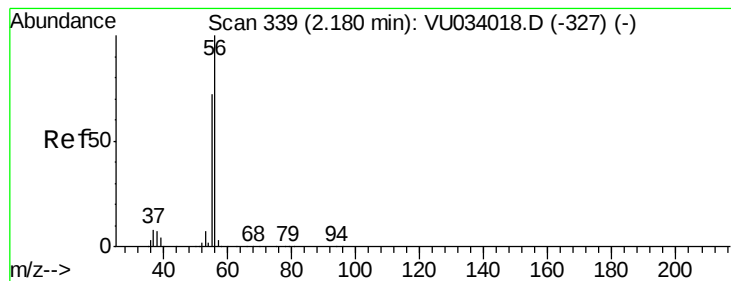


#12

1,1-Dichloroethene
Concen: 17.617 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	131.3	196.9
98	62.7	50.3	75.5





#13

Acrolein

Concen: 44.102 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 56 Resp: 21422

Ion Ratio Lower Upper

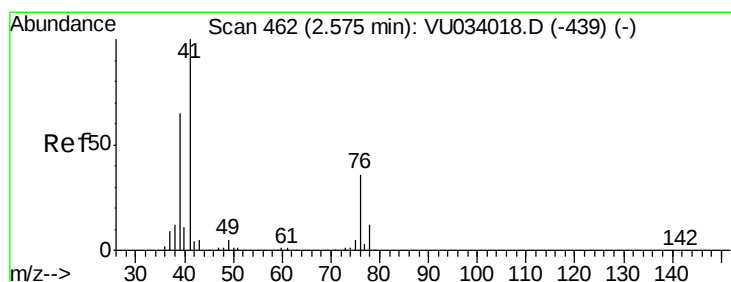
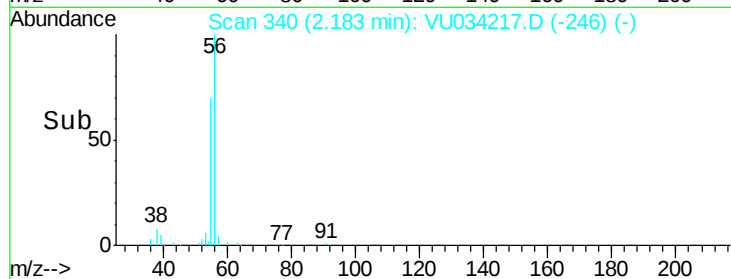
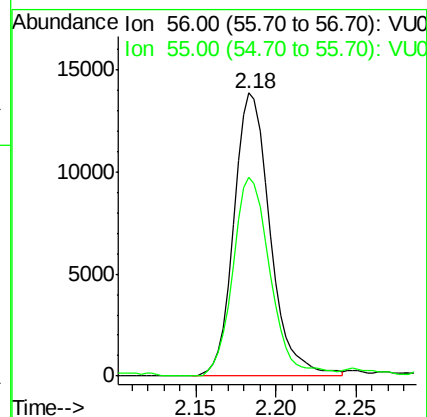
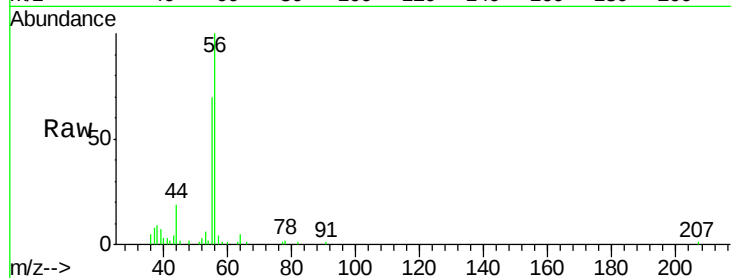
56 100

55 72.2 57.1 85.7

Manual Integrations
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#14

Allyl chloride

Concen: 17.022 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

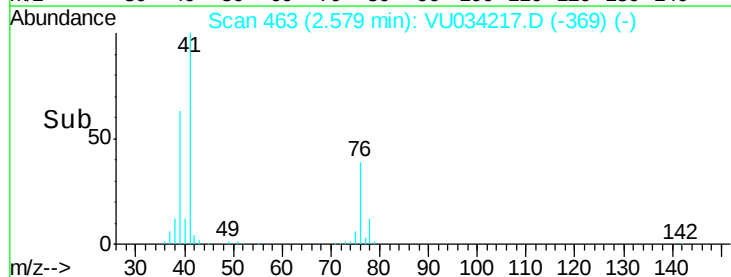
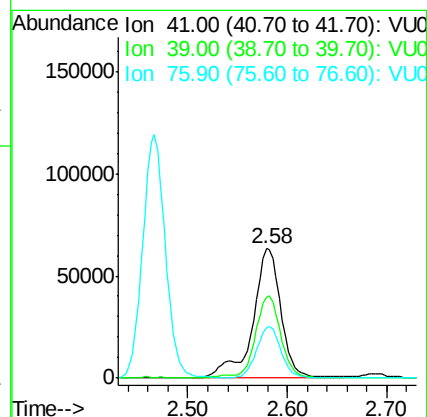
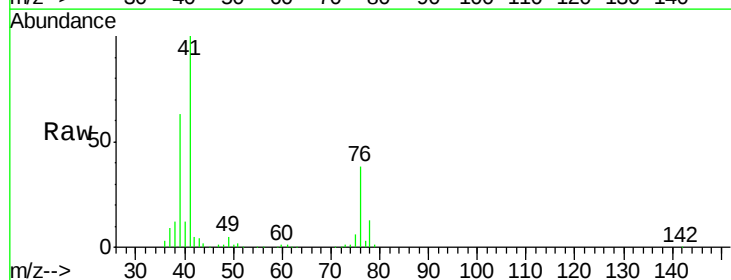
Tgt Ion: 41 Resp: 125198

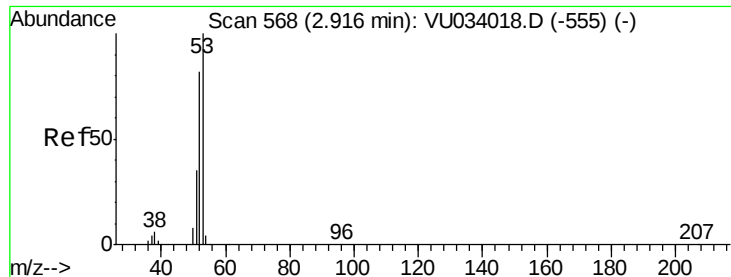
Ion Ratio Lower Upper

41 100

39 57.7 46.8 70.2

76 33.8 26.6 40.0





#15

Acrylonitrile

Concen: 83.650 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

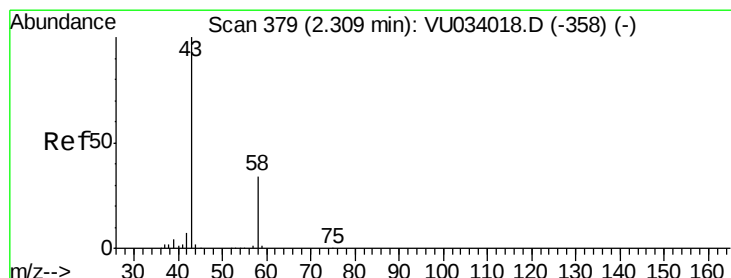
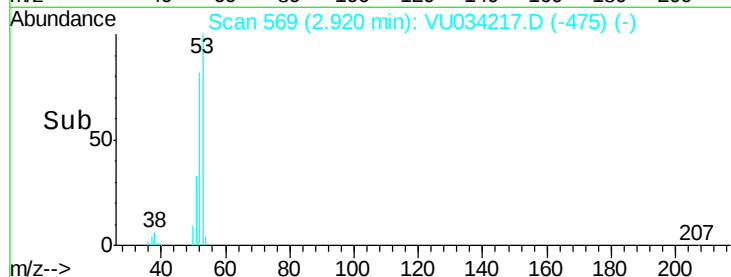
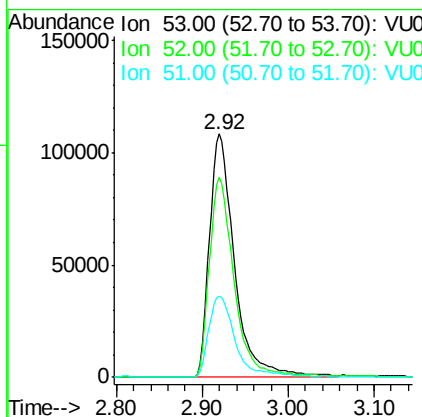
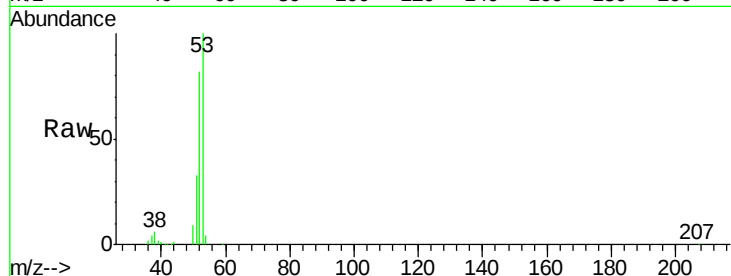
ClientSampleId :

VU0904WBS01

Tot Ion:	53	Resp:	221637
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 80.980 ug/l

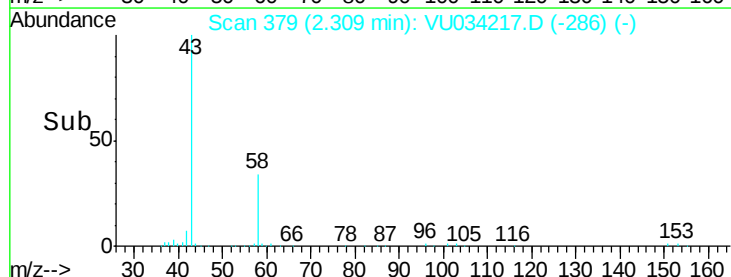
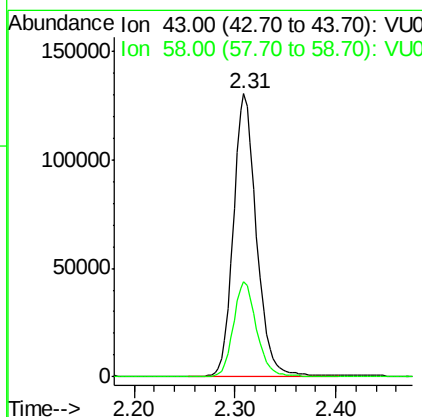
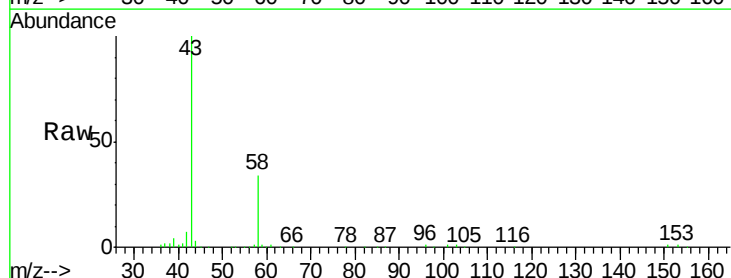
RT: 2.31 min Scan# 379

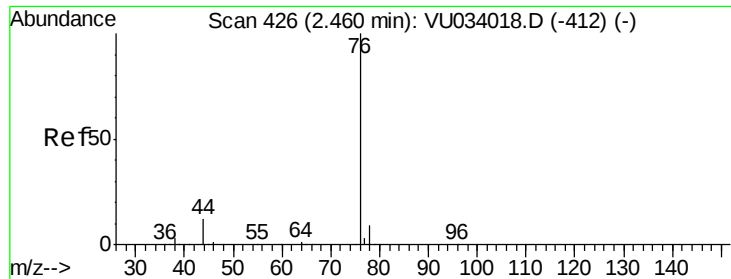
Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion:	43	Resp:	206890
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2





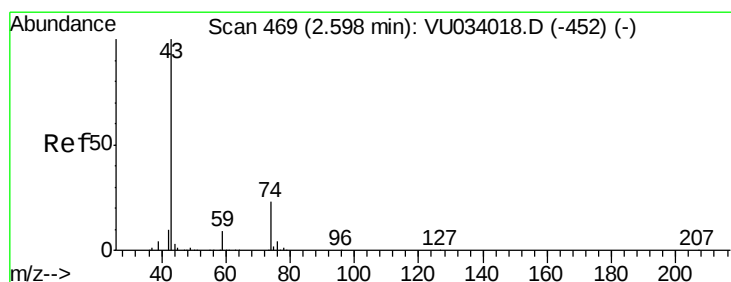
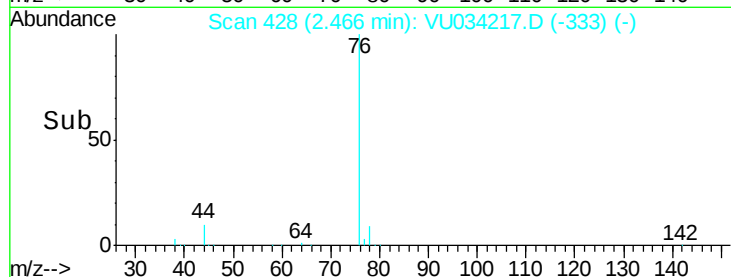
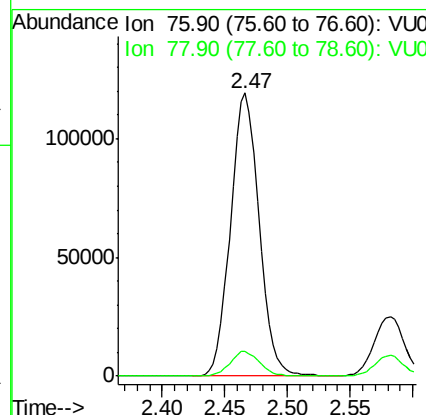
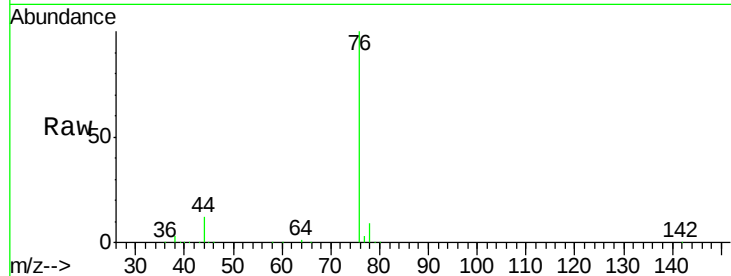
#17
Carbon Disulfide
Concen: 15.250 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

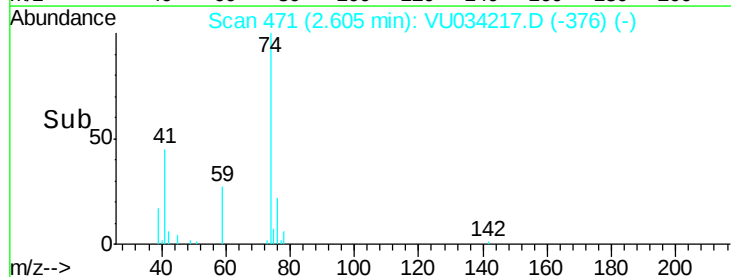
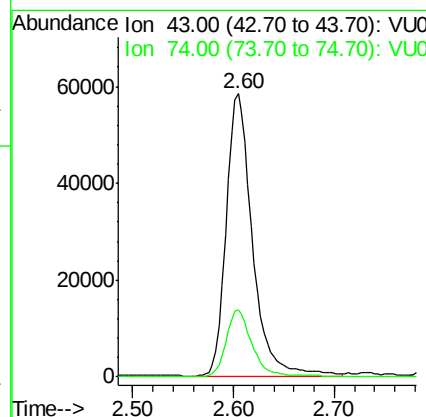
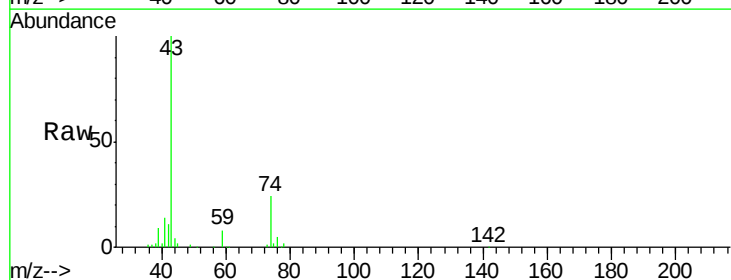
Manual Integrations
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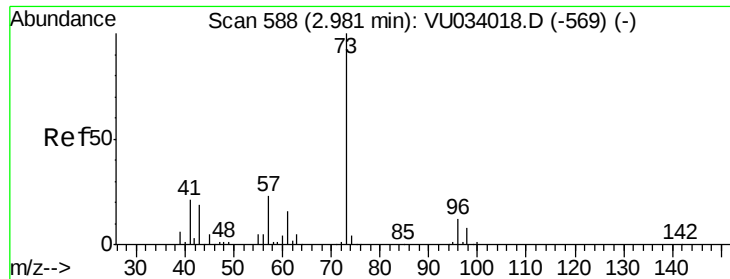
MMDadoda
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#18
Methyl Acetate
Concen: 16.075 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





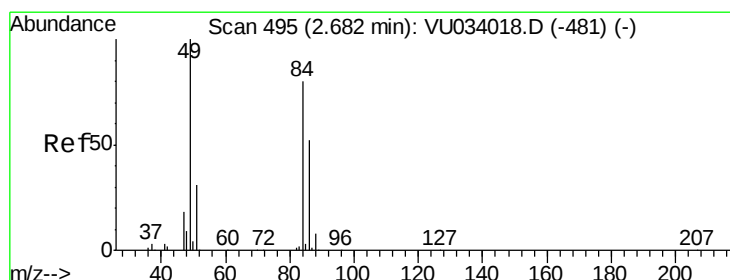
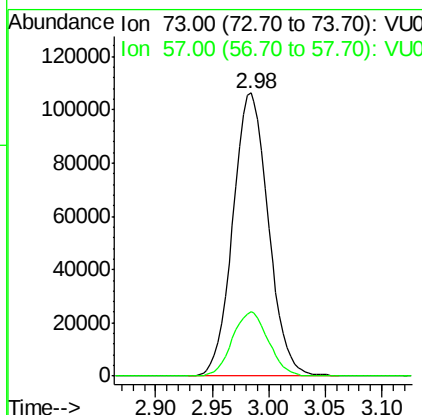
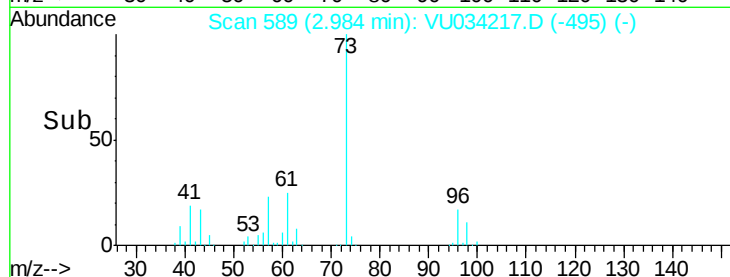
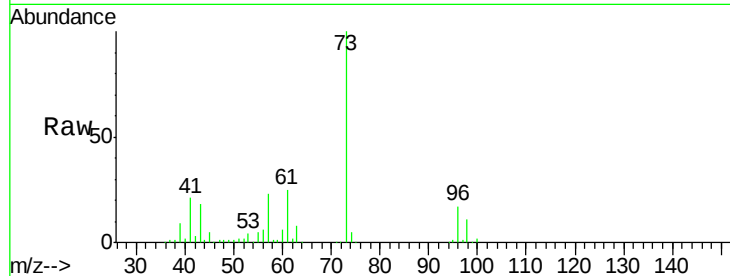
#19
Methvl tert-butvl Ether
Concen: 18.096 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion: 73 Resp: 231953
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

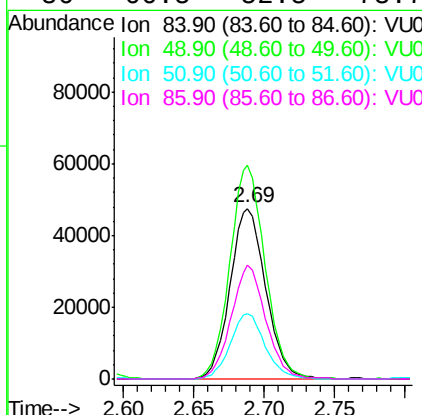
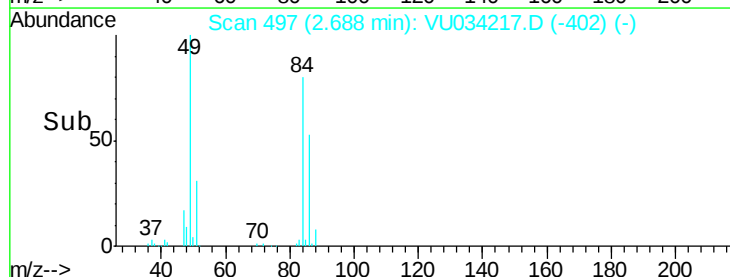
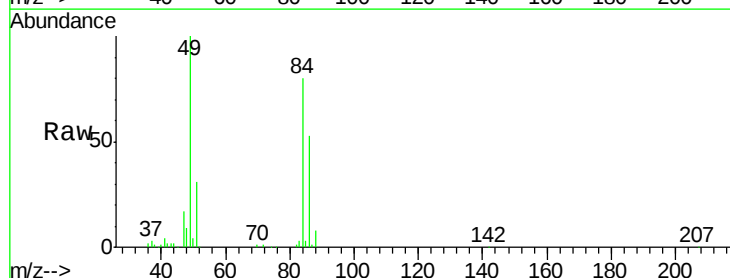
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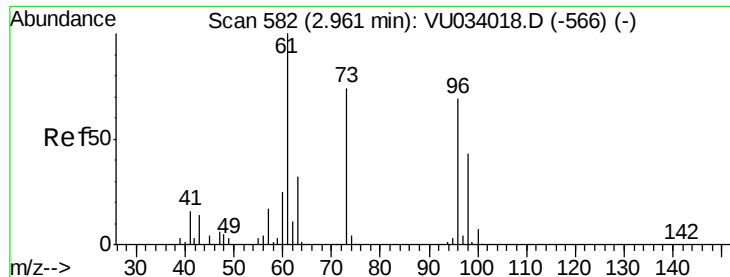
MMDadoda
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#20
Methylene Chloride
Concen: 17.378 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion: 84 Resp: 84052
Ion Ratio Lower Upper
84 100
49 125.2 100.2 150.4
51 38.5 30.8 46.2
86 66.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 17.110 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 96 Resp: 72641

Ion Ratio Lower Upper

96 100

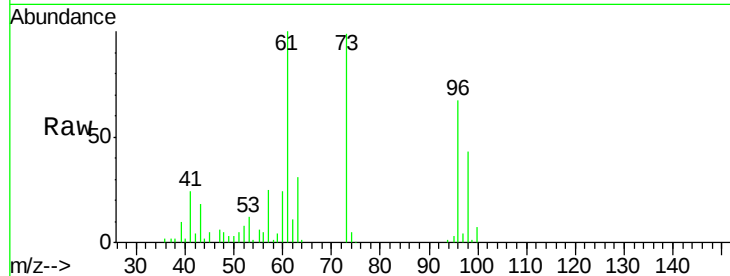
61 148.2 115.5 173.3

98 64.0 50.1 75.1

Manual Integrations
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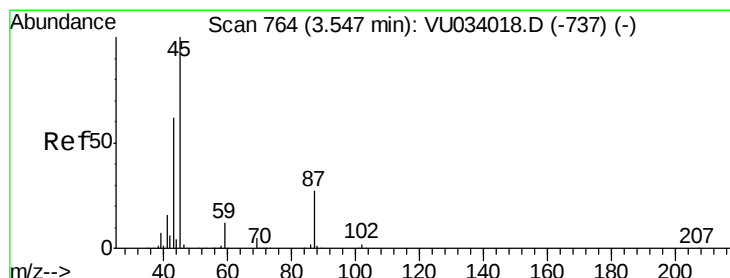
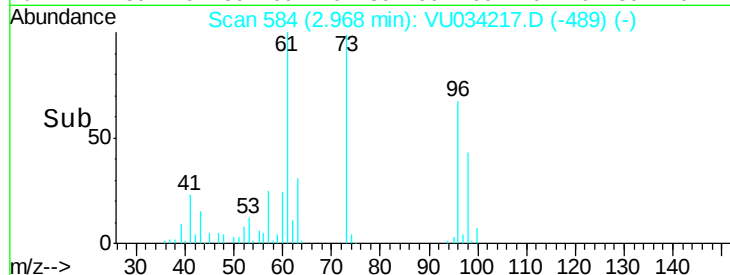
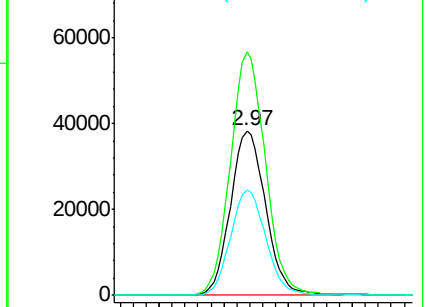
9/4/2019 4:57:29 PM



Abundance Ion 95.90 (95.60 to 96.60): VU034018.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU034018.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-566) (-)



#22

Diisopropyl ether

Concen: 18.536 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion: 45 Resp: 249827

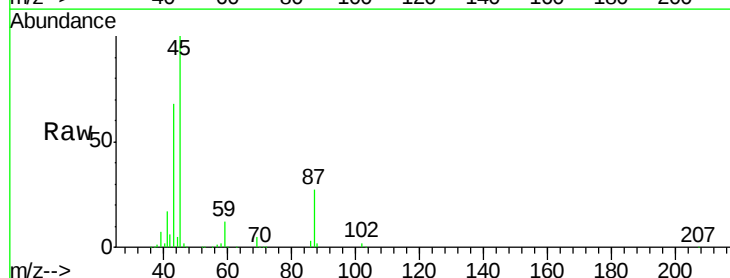
Ion Ratio Lower Upper

45 100

43 67.1 49.7 74.5

87 27.0 21.8 32.8

59 11.8 9.3 13.9

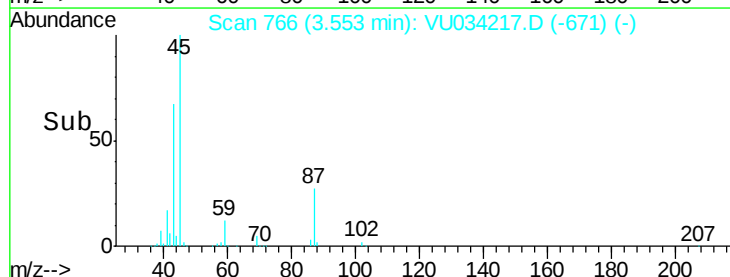
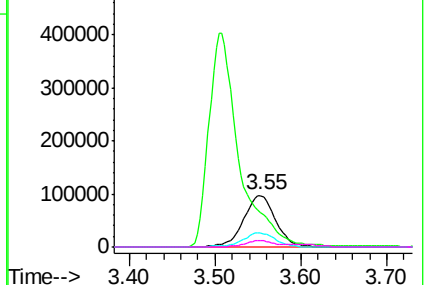


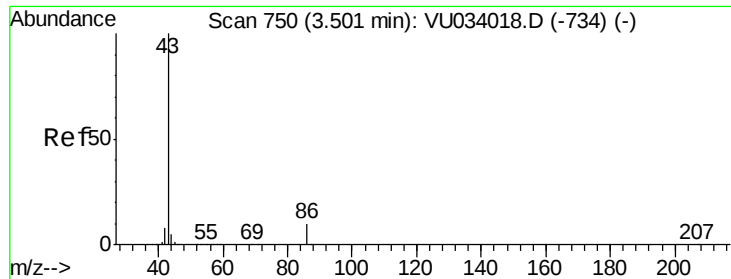
Abundance Ion 45.00 (44.70 to 45.70): VU034018.D (-737) (-)

Ion 43.00 (42.70 to 43.70): VU034018.D (-737) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-737) (-)

Ion 59.00 (58.70 to 59.70): VU034018.D (-737) (-)





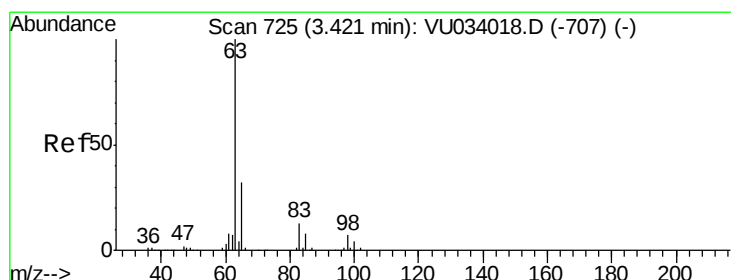
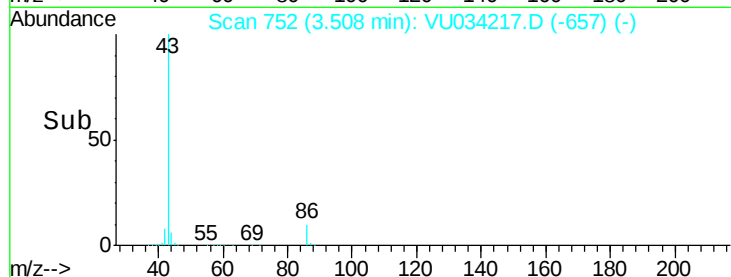
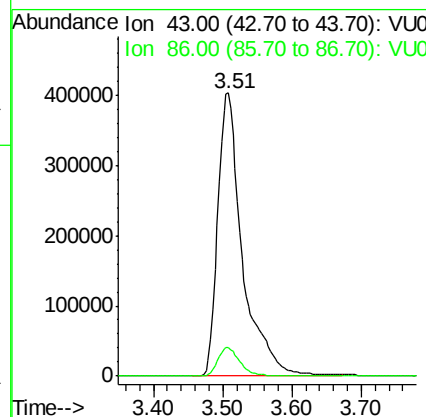
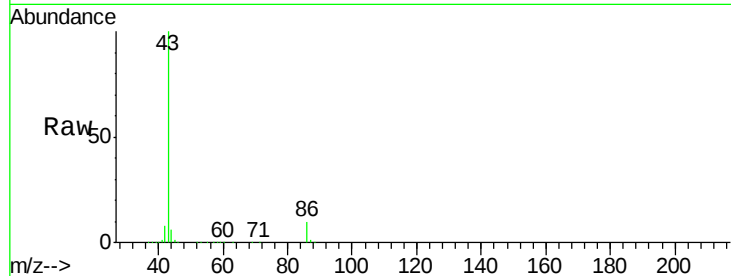
#23
 Vinyl Acetate
 Concen: 86.255 ug/l
 RT: 3.51 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

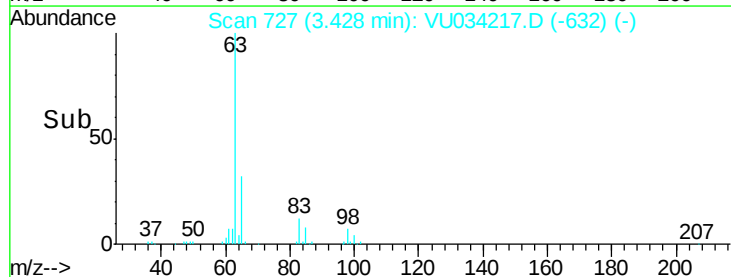
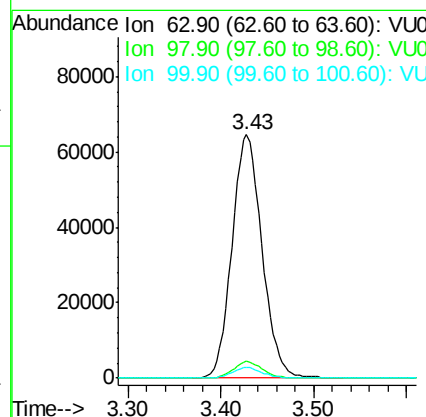
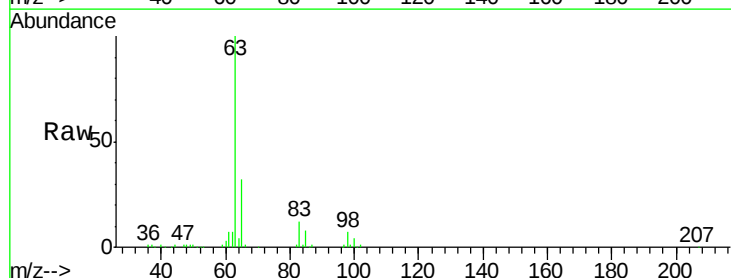
Manual Integrations
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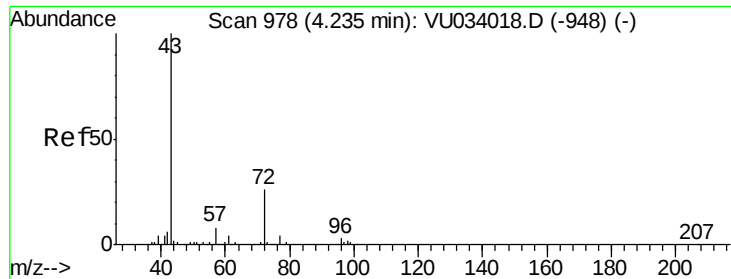
MMDadoda
 9/4/2019 4:57:29 PM



#24
 1,1-Dichloroethane
 Concen: 18.215 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.8
100	4.3	2.0	6.0





#25

2-Butanone

Concen: 82.997 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 43 Resp: 295009

Ion Ratio Lower Upper

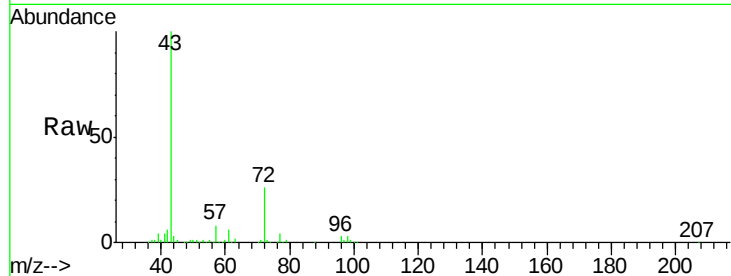
43 100

72 26.1 21.2 31.8

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-948) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-948) (-)

4.24

120000

100000

80000

60000

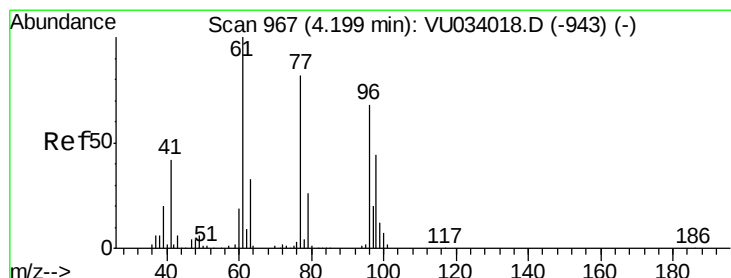
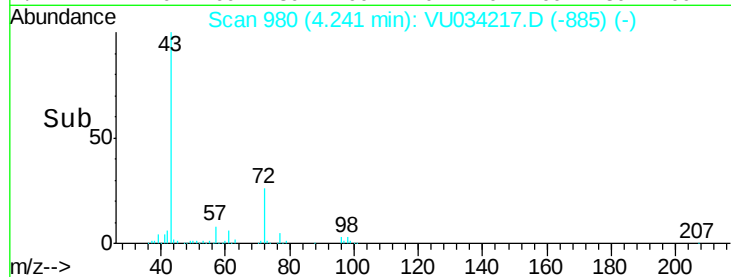
40000

20000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 17.670 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034217.D

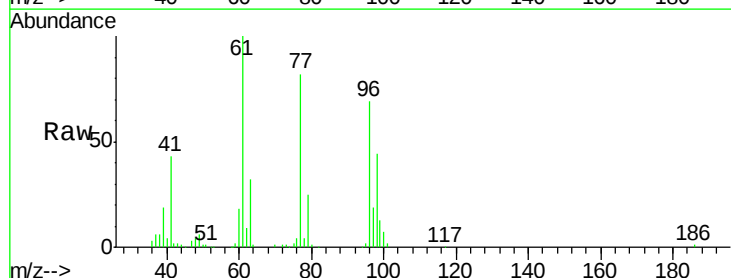
Acq: 03 Sep 2019 11:09

Tgt Ion: 77 Resp: 114408

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034018.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU034018.D (-943) (-)

4.20

50000

40000

30000

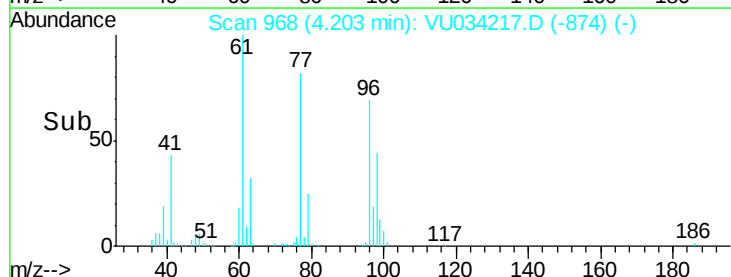
20000

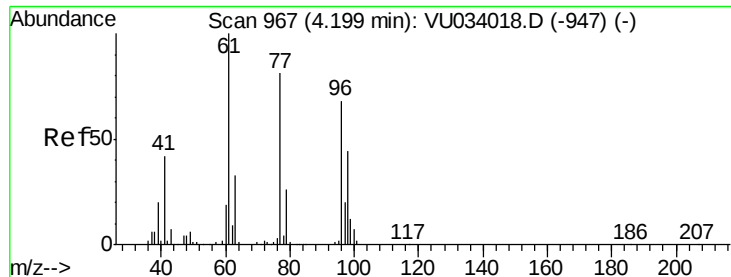
10000

0

4.10 4.15 4.20 4.25 4.30

Time-->





#27

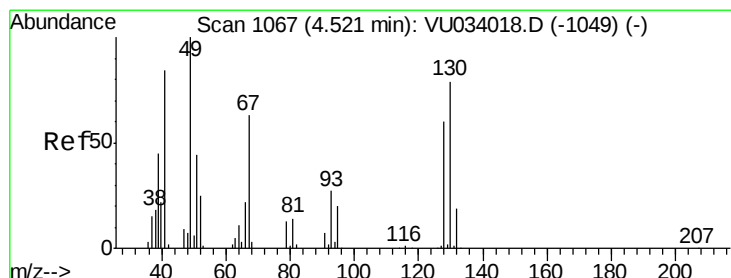
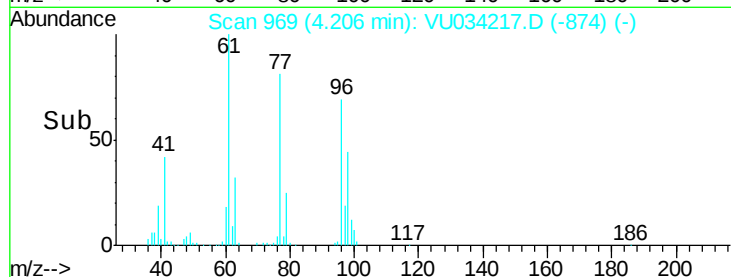
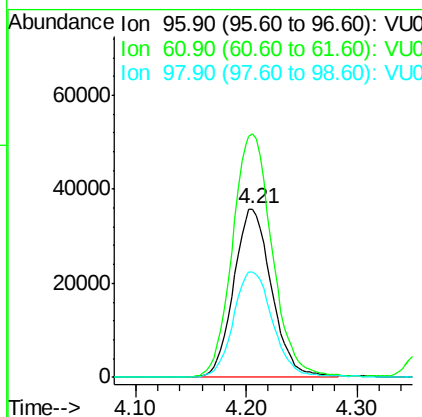
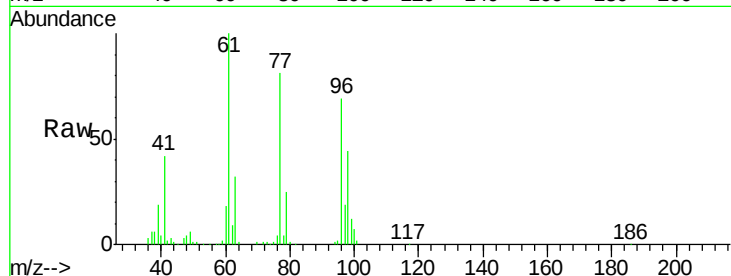
cis-1,2-Dichloroethene
 Concen: 17.964 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	303.0
98	65.0	0.0	129.2

Manual Integrations
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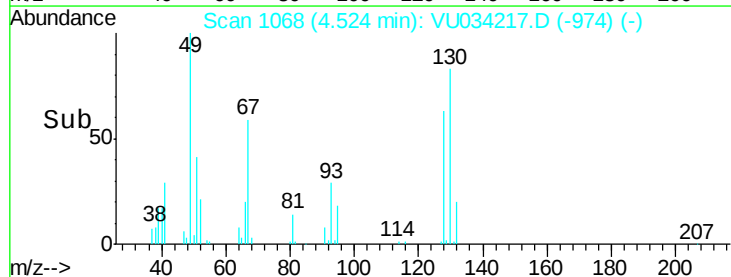
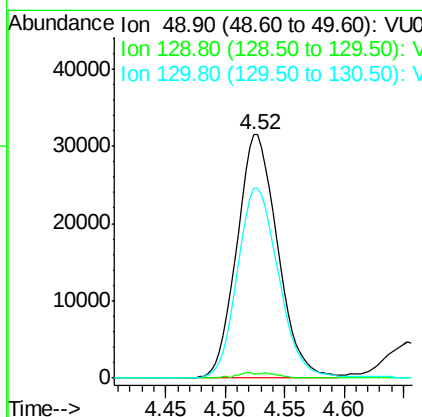
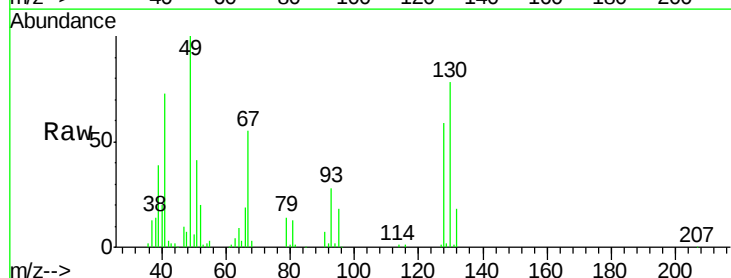
MMDadoda
 9/4/2019 4:57:29 PM

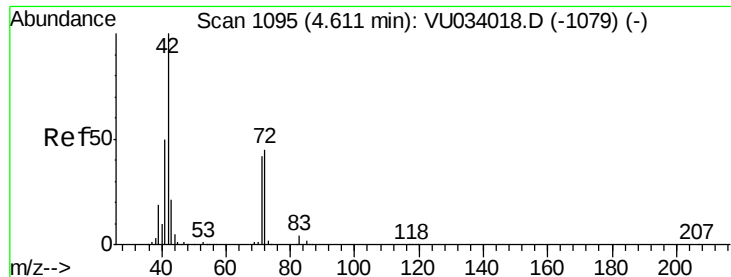


#28

Bromochloromethane
 Concen: 19.110 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	78.9	62.8	94.2





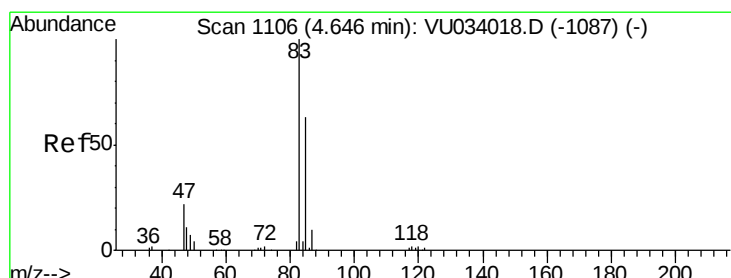
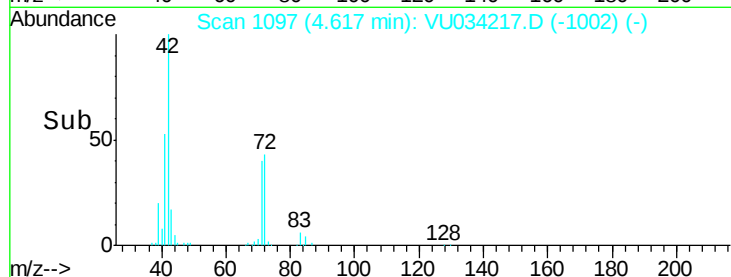
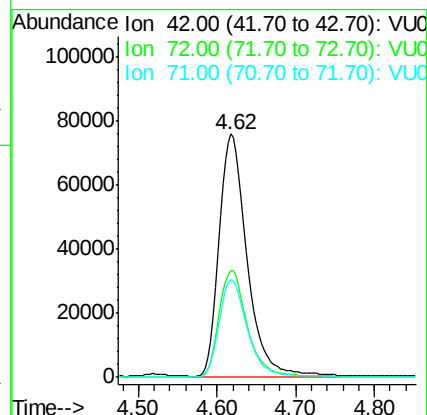
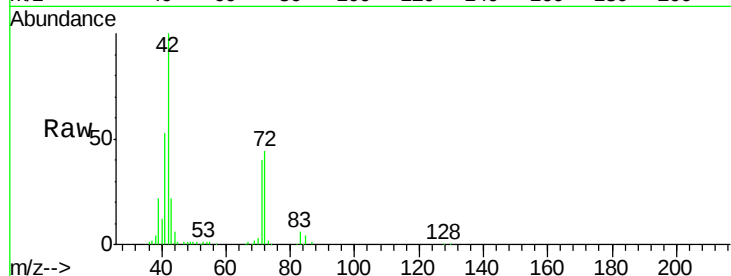
#29
Tetrahydrofuran
Concen: 84.743 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	185758		
72	44.9	35.8	53.6	
71	40.6	34.0	51.0	

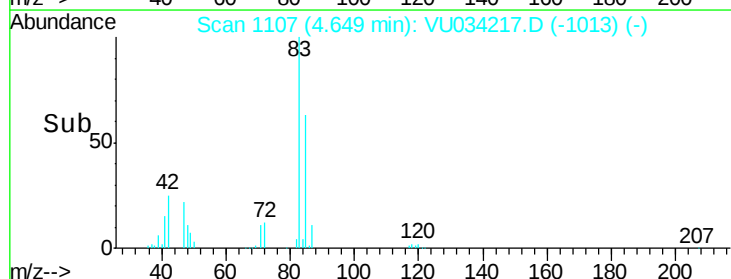
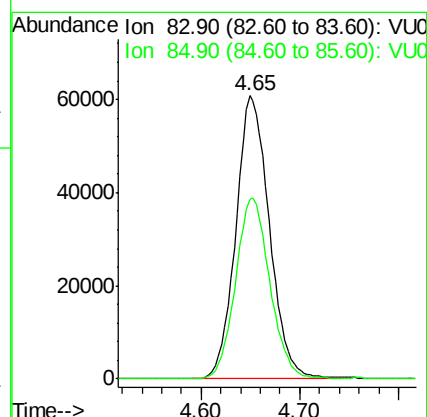
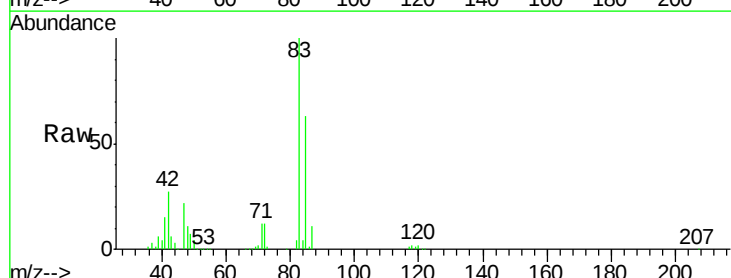
Manual Integrations
APPROVED

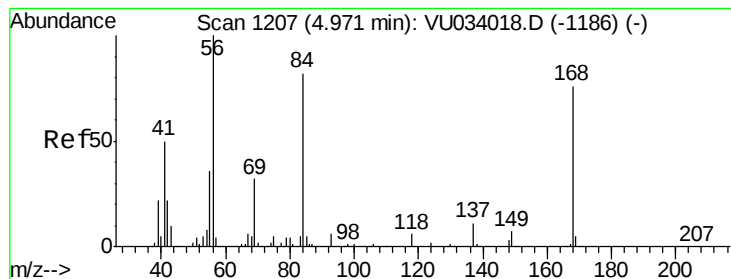
MMDadoda
9/4/2019 4:57:29 PM



#30
Chloroform
Concen: 18.088 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	143599		
85	63.3	50.7	76.1	





#31

Cyclohexane

Concen: 16.297 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

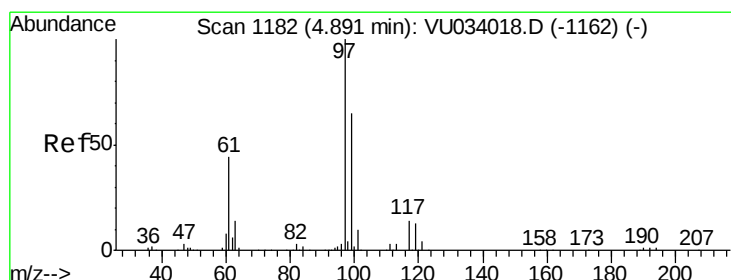
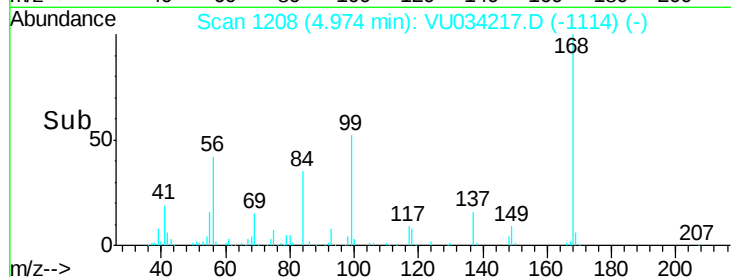
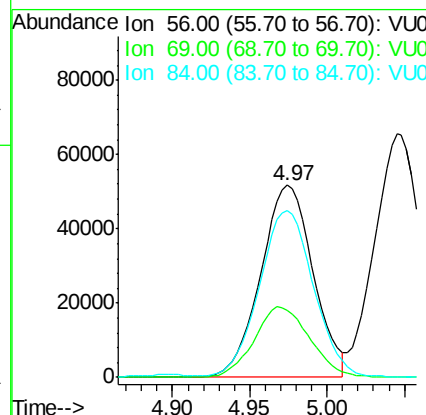
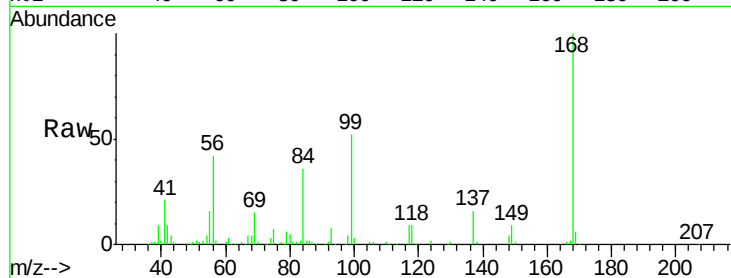
ClientSampleId :

VU0904WBS01

Tot Ion:	56	Resp:	121850
Ion Ratio	Lower	Upper	
56	100		
69	35.2	25.4	38.0
84	86.1	65.8	98.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.117 ug/l

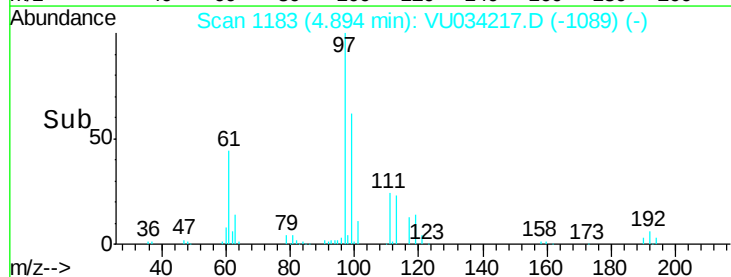
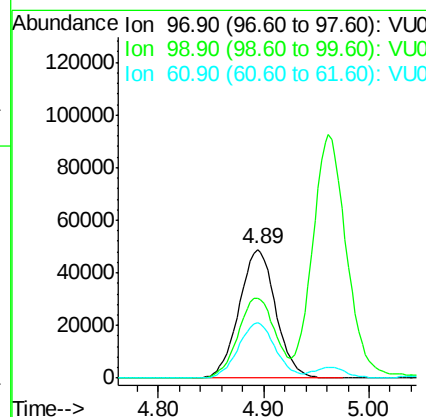
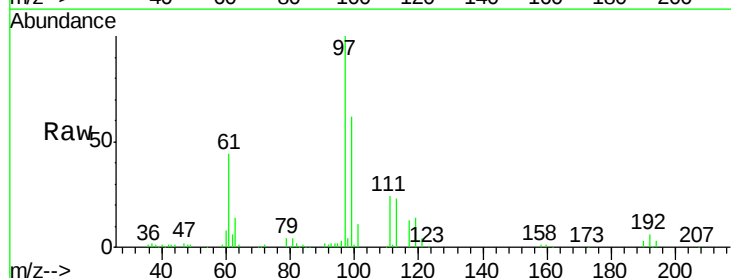
RT: 4.89 min Scan# 1183

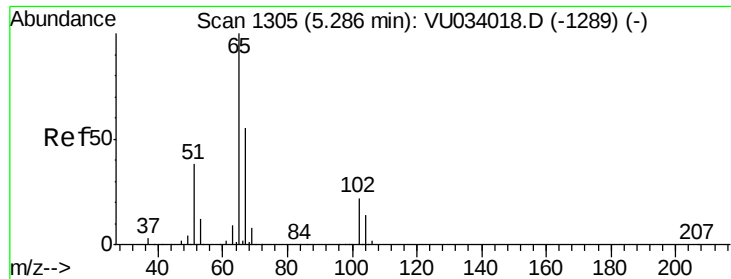
Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion:	97	Resp:	117796
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.8	77.6
61	43.7	35.3	52.9





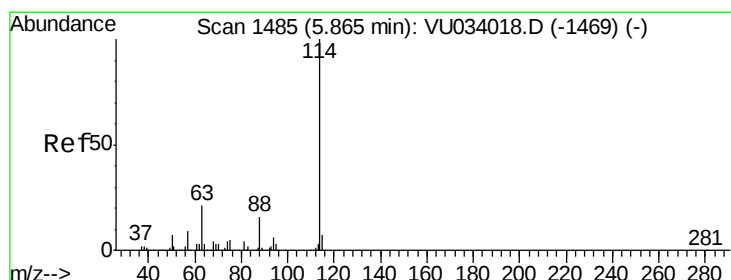
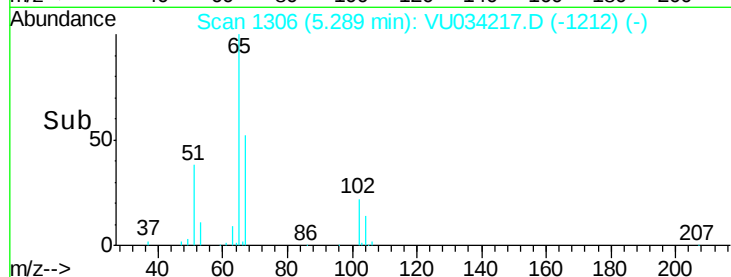
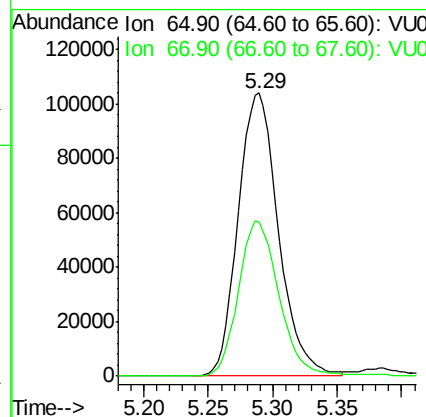
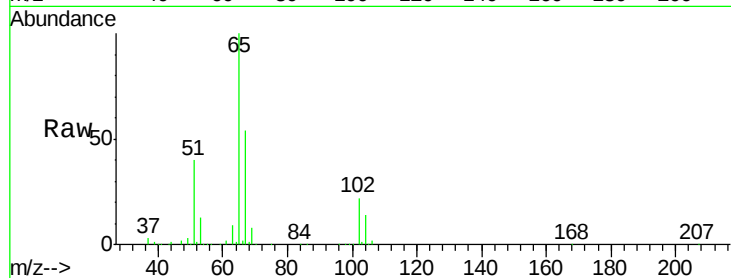
#33
 1,2-Dichloroethane-d4
 Concen: 45.150 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226070		
67	55.4	0.0	110.6	

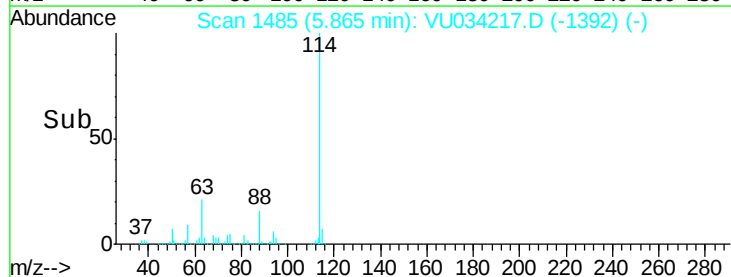
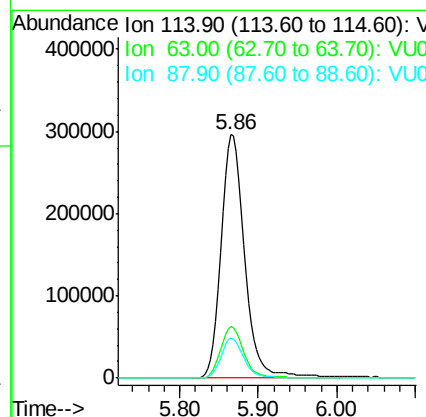
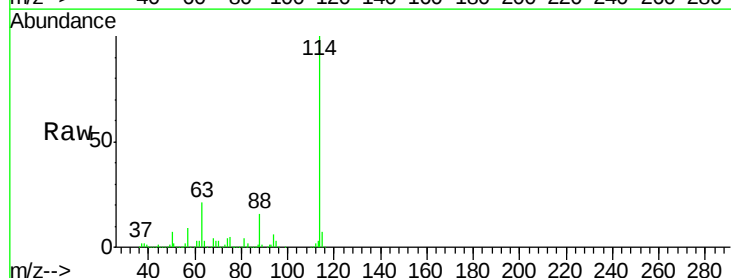
Manual Integrations
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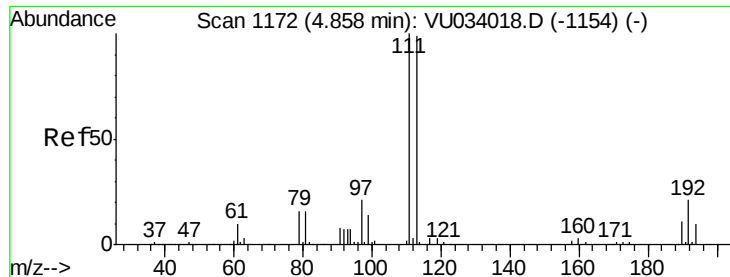
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	614060		
63	20.9	0.0	42.0	
88	16.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 45.521 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 113 Resp: 193879

Ion Ratio Lower Upper

113 100

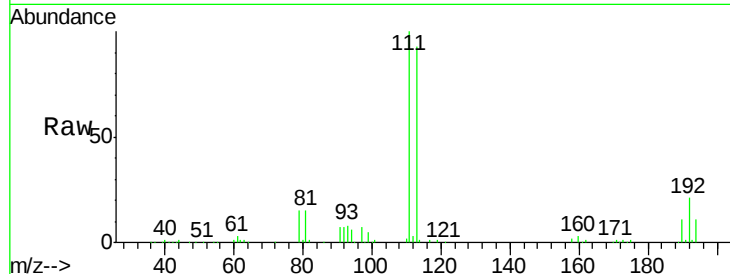
111 103.5 81.7 122.5

192 21.5 17.1 25.7

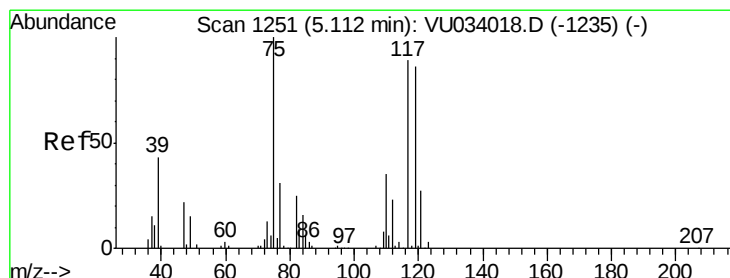
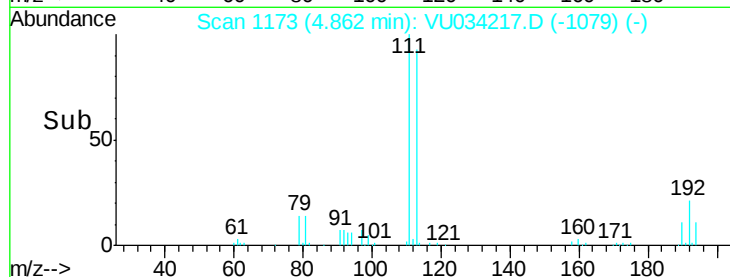
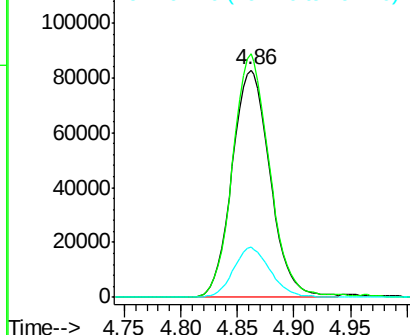
Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.314 ug/l

RT: 5.12 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

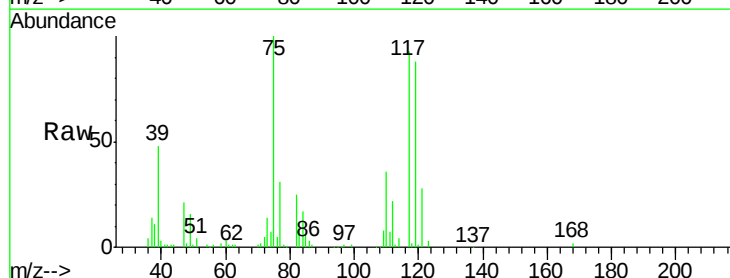
Tgt Ion: 75 Resp: 100562

Ion Ratio Lower Upper

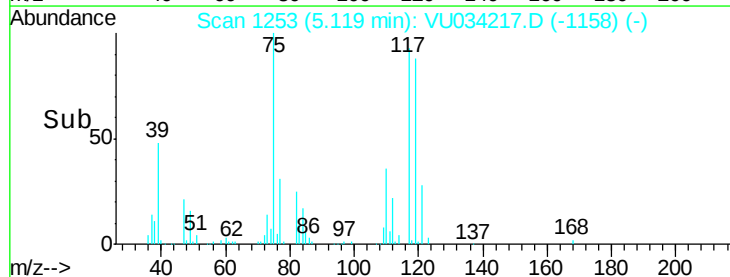
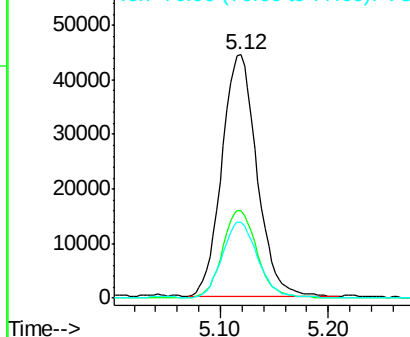
75 100

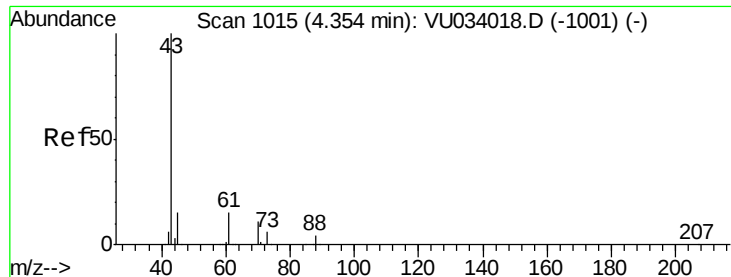
110 36.0 17.8 53.5

77 32.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





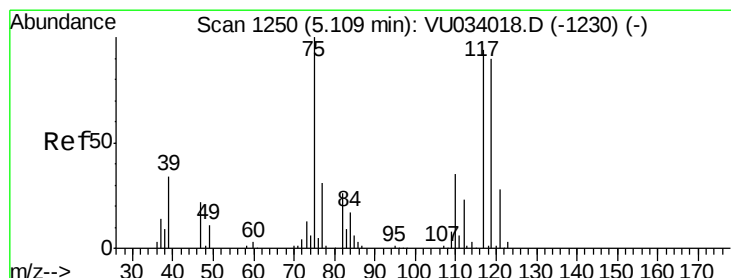
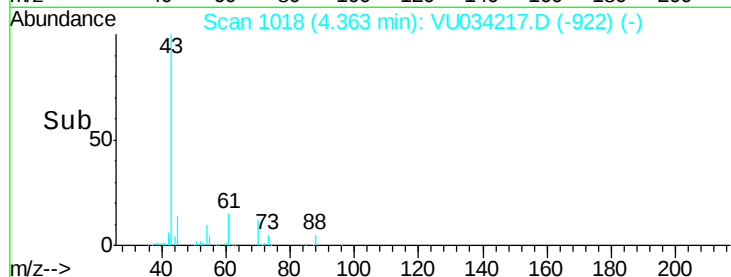
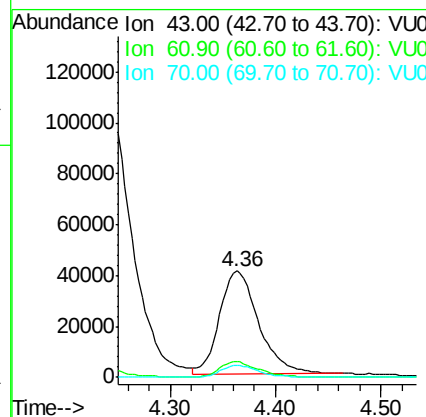
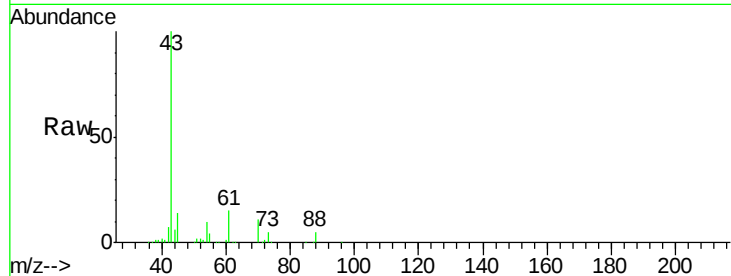
#37
Ethyl Acetate
Concen: 16.193 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	43	Resp	105324
Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.5	17.3
70	11.1	8.6	12.8

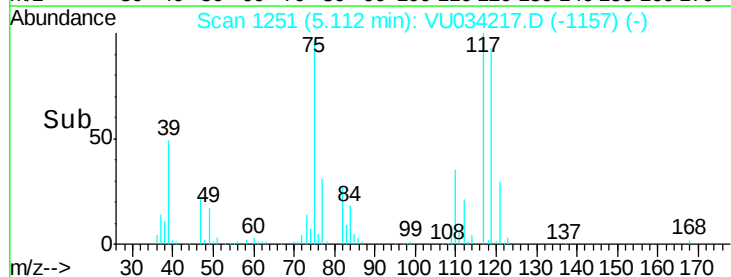
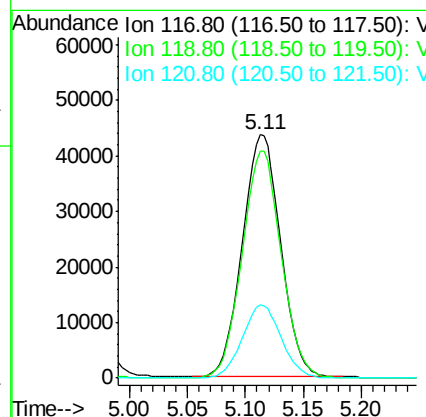
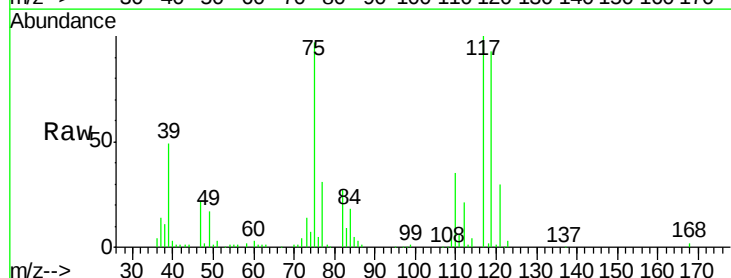
Manual Integrations
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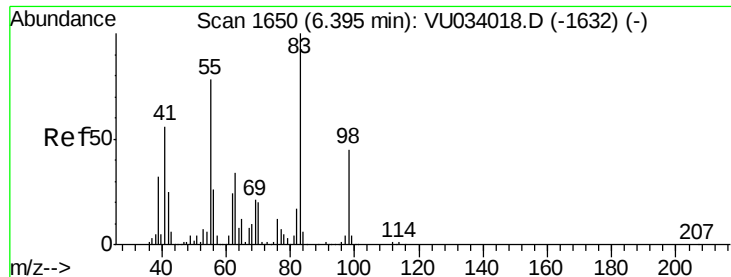
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.873 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	117	Resp	100202
Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.0	115.4
121	30.3	23.9	35.9





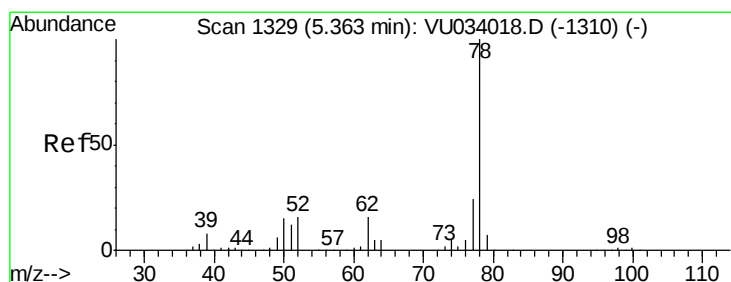
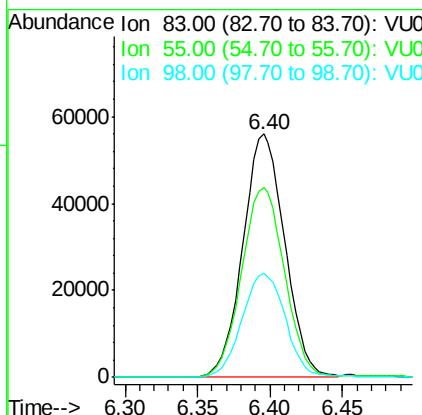
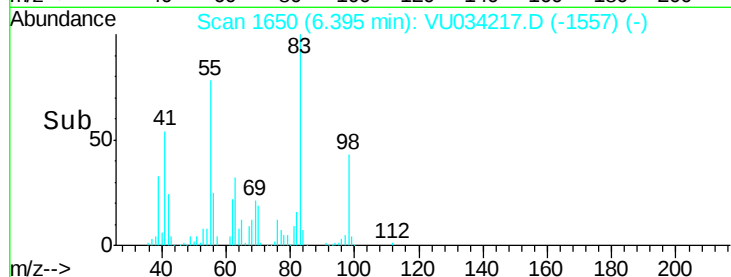
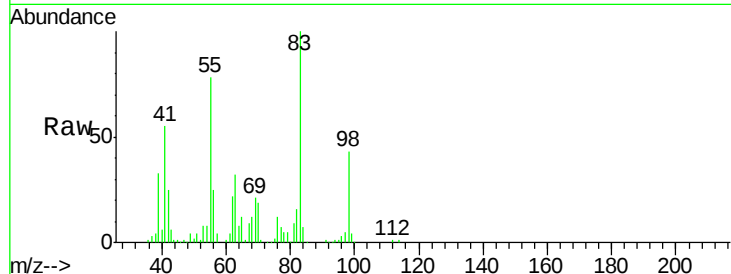
#39
Methvlcvclohexane
Concen: 16.452 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.0	62.3	93.5	
98	42.5	36.2	54.2	

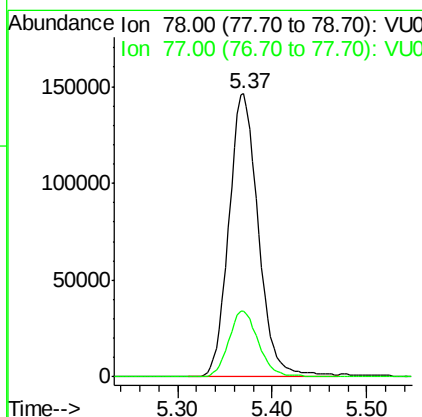
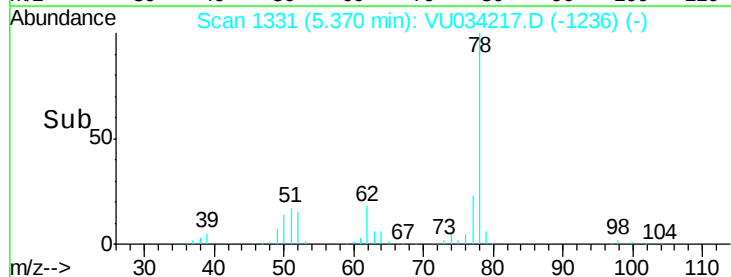
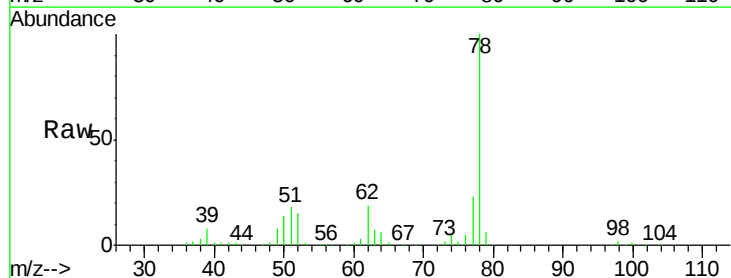
Manual Integrations
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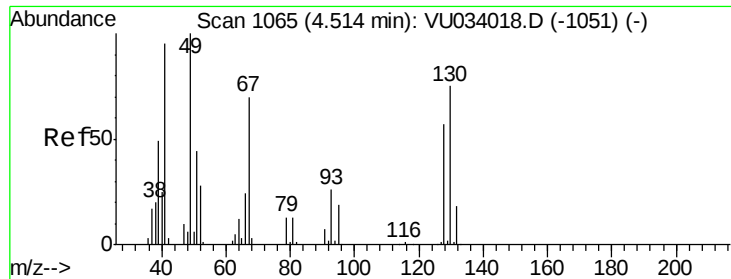
MMDadoda
9/4/2019 4:57:29 PM



#40
Benzene
Concen: 18.088 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.6	





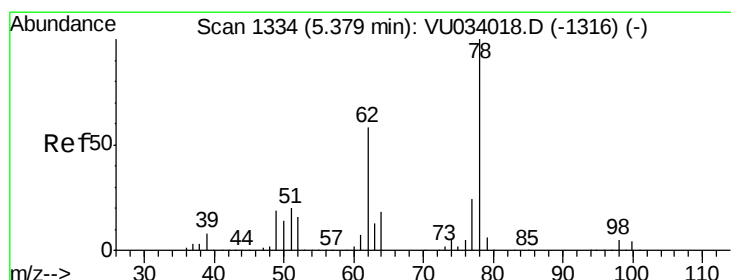
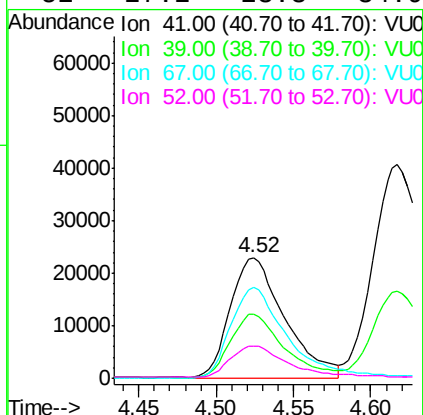
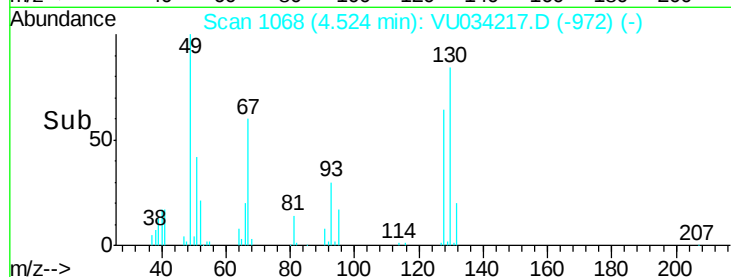
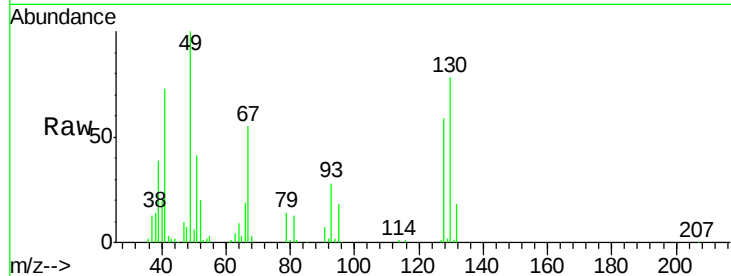
#41
Methacrylonitrile
Concen: 16.638 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.1	63.1	
67	79.9	61.0	91.4	
52	27.2	23.3	34.9	

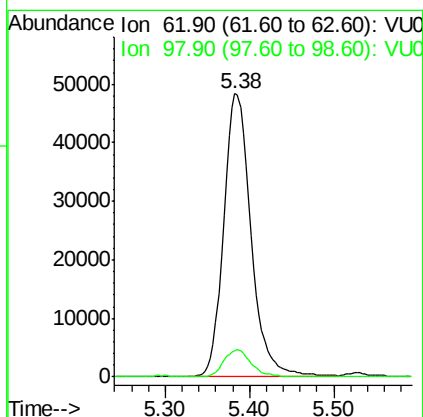
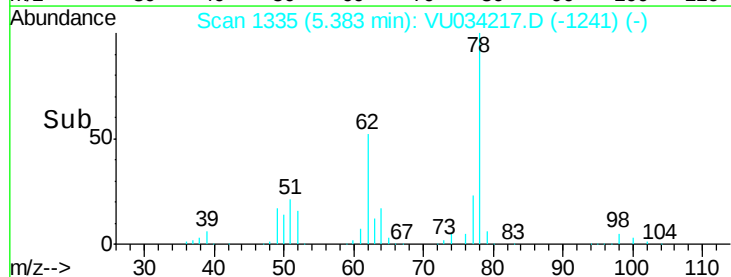
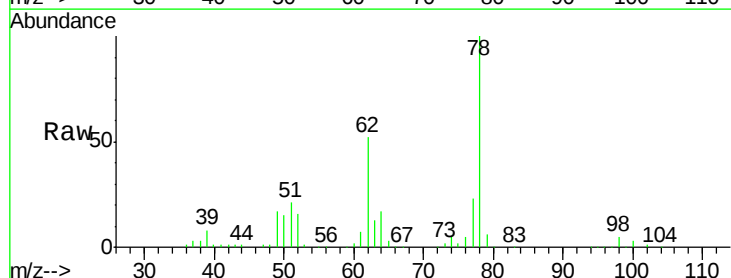
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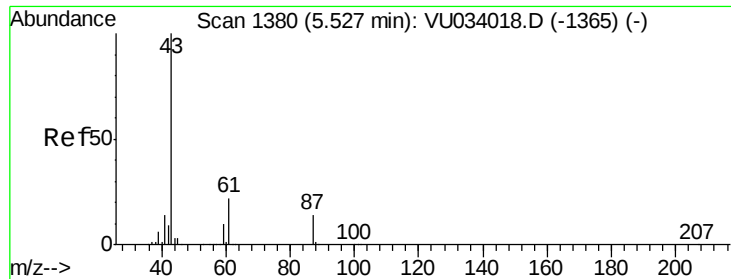
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.038 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 16.284 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

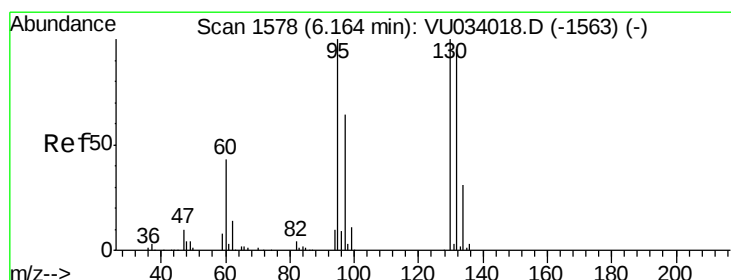
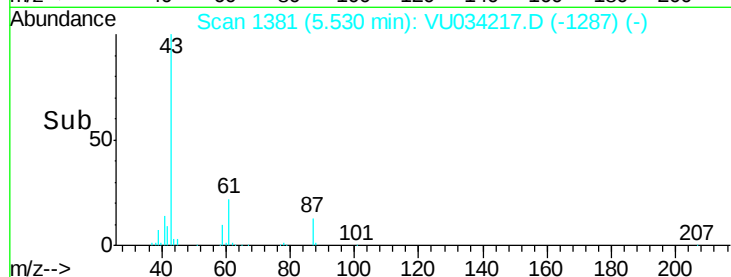
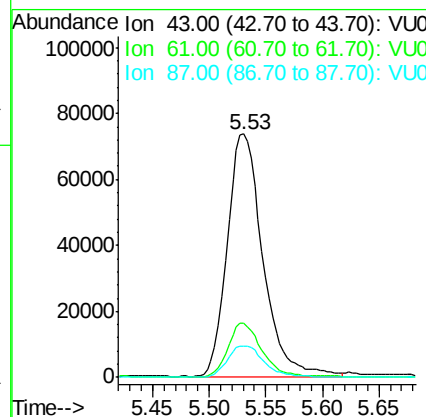
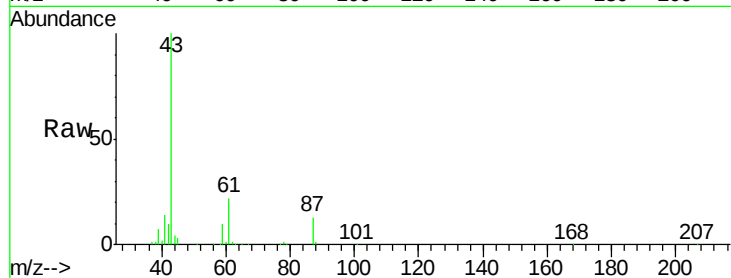
ClientSampleId :

VU0904WBS01

Tot Ion:	43	Resp:	161129
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	13.6	10.8	16.2

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#44

Trichloroethene

Concen: 18.217 ug/l

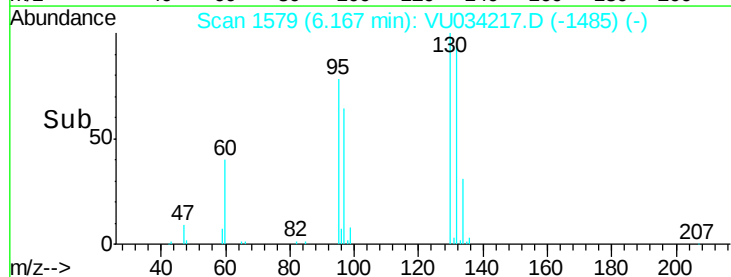
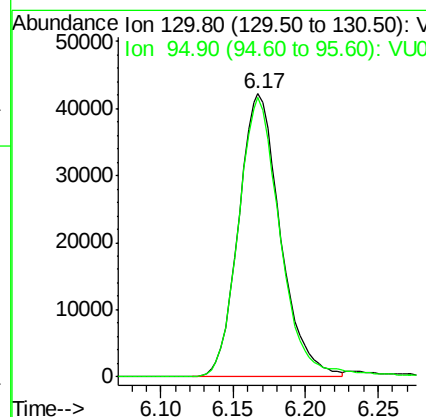
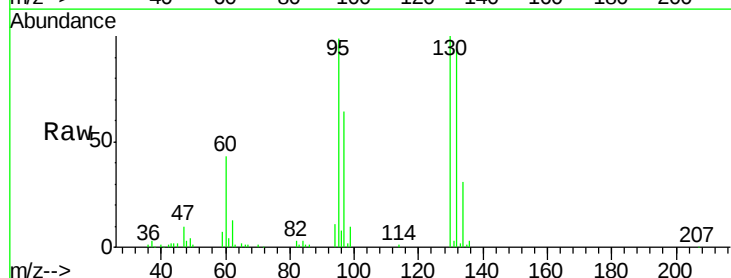
RT: 6.17 min Scan# 1579

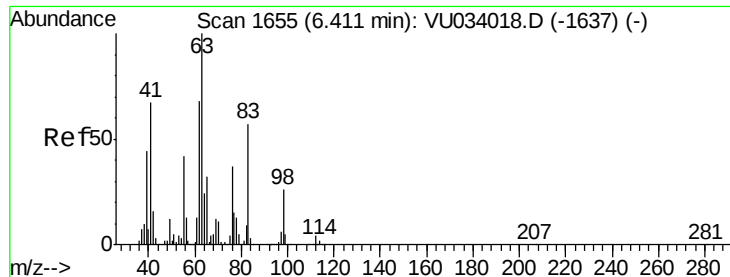
Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion:	130	Resp:	84066
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	199.6





#45

1,2-Dichloropropane

Concen: 18.561 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 63 Resp: 89788

Ion Ratio Lower Upper

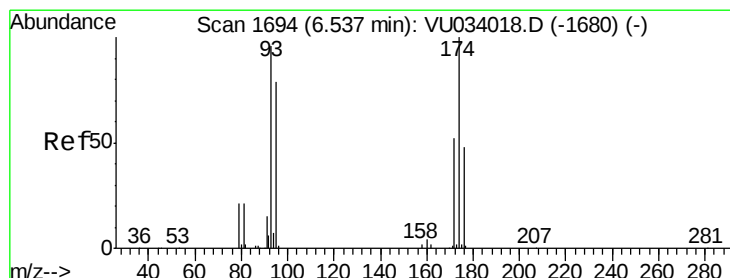
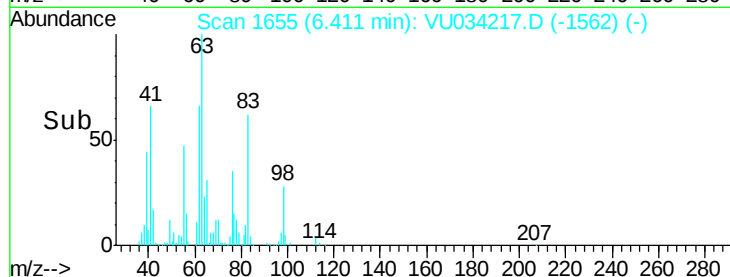
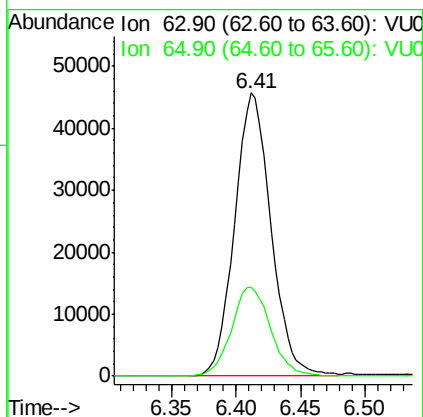
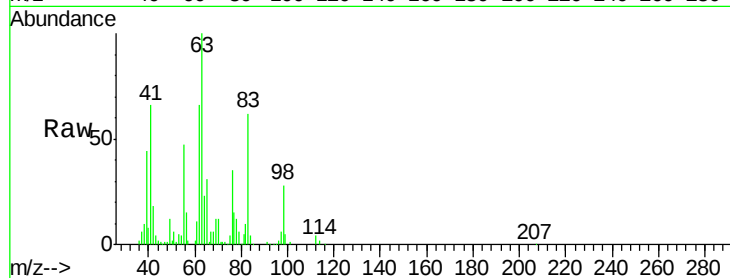
63 100

65 31.1 25.4 38.2

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#46

Dibromomethane

Concen: 17.767 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

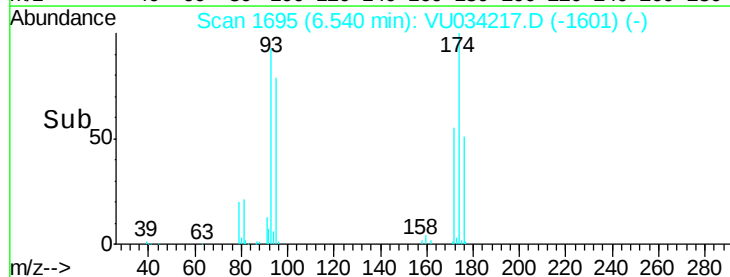
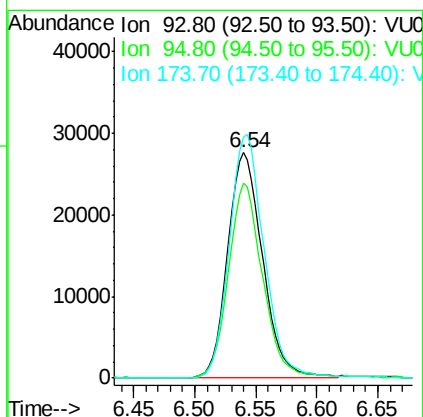
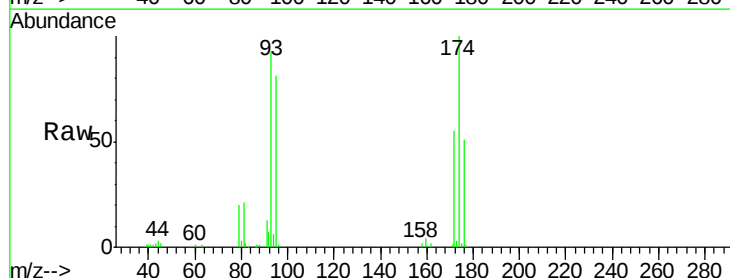
Tgt Ion: 93 Resp: 55371

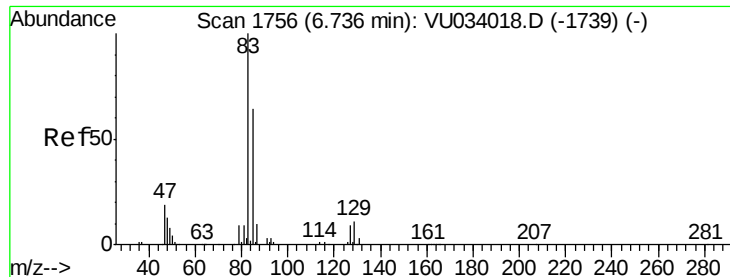
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 107.1 84.9 127.3





#47

Bromodichloromethane

Concen: 17.838 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

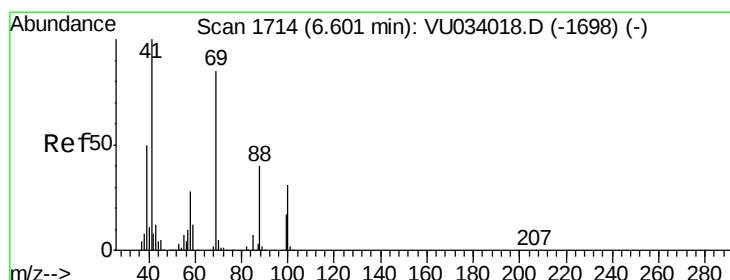
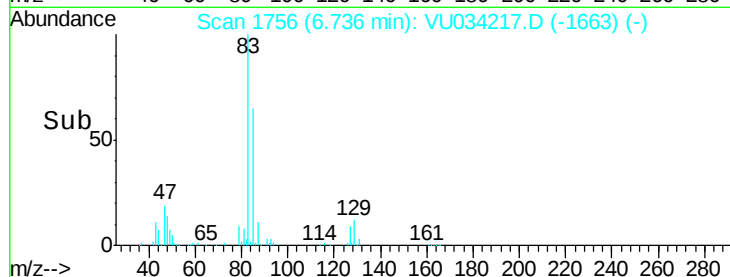
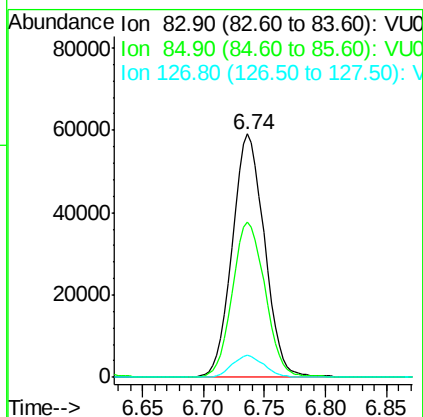
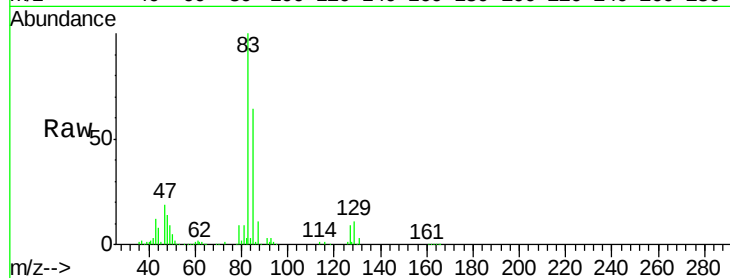
ClientSampleId :

VU0904WBS01

Tot Ion:	83	Resp:	108769
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	9.0	7.0	10.6

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#48

Methyl methacrylate

Concen: 15.813 ug/l

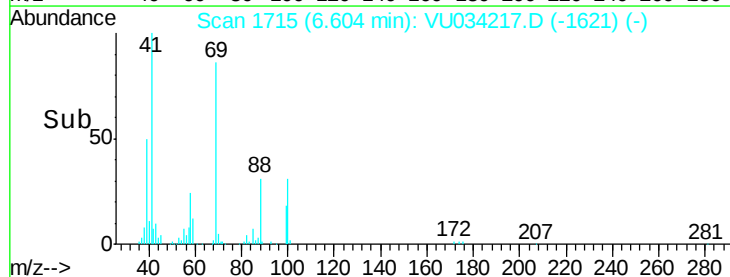
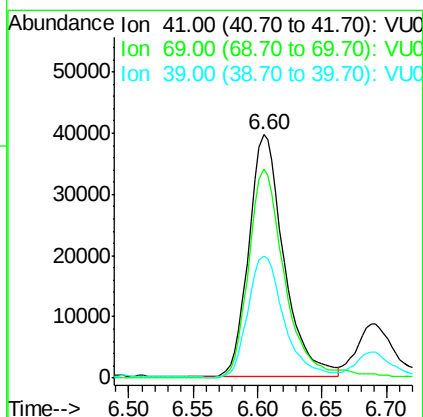
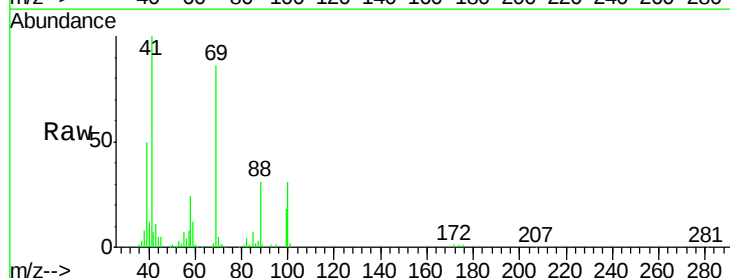
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion:	41	Resp:	75506
Ion Ratio	Lower	Upper	
41	100		
69	89.7	69.5	104.3
39	51.1	40.3	60.5





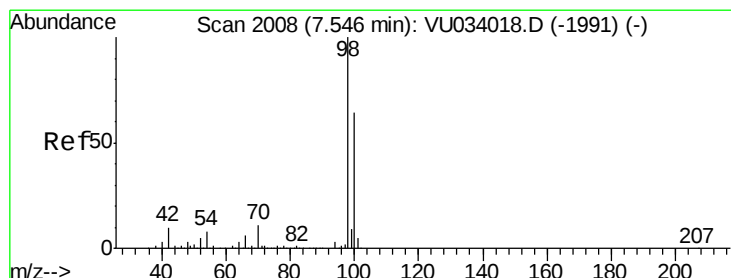
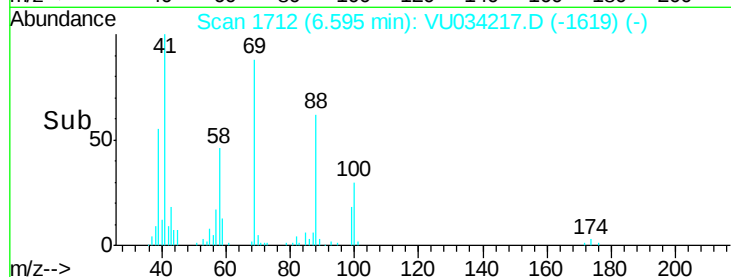
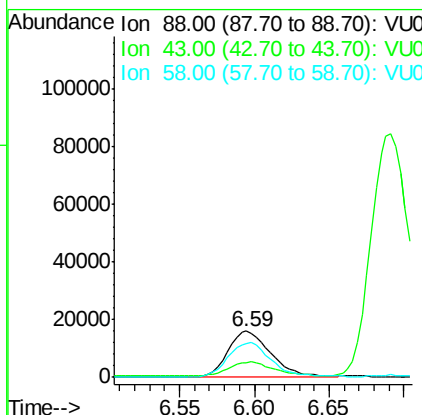
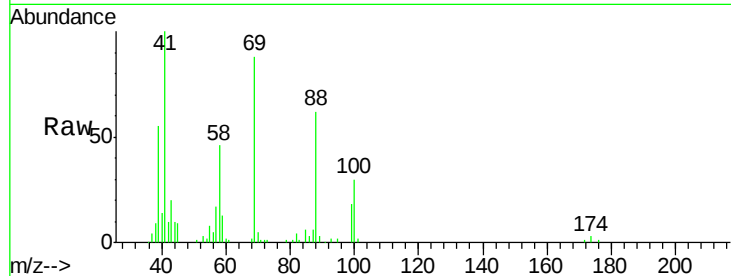
#49
1,4-Dioxane
Concen: 270.850 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.8	37.2
58	74.8	59.3	88.9

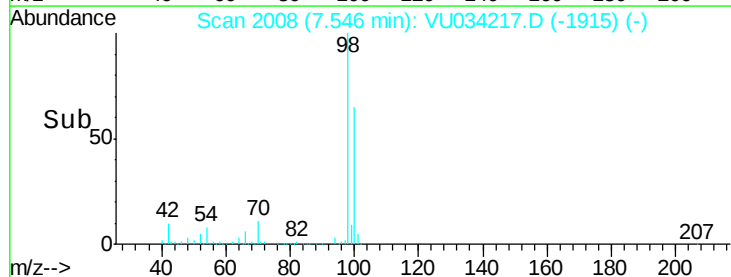
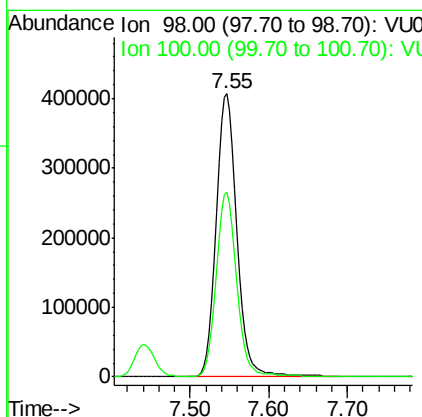
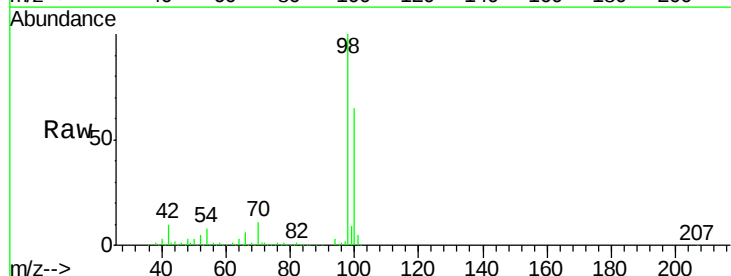
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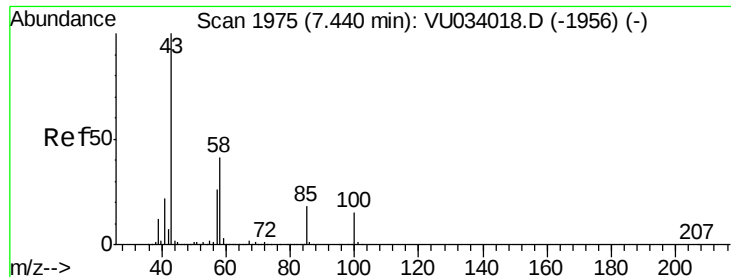
MMDadoda
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#50
Toluene-d8
Concen: 46.400 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5





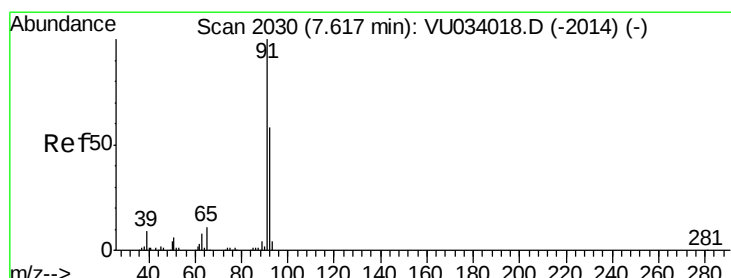
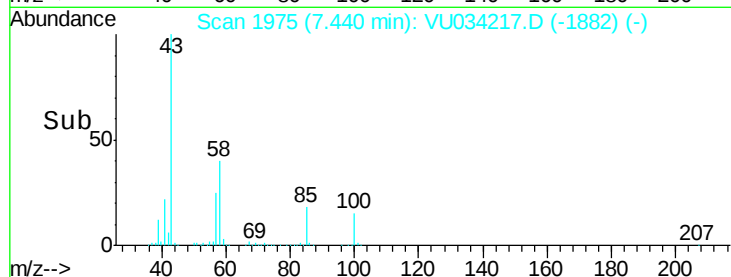
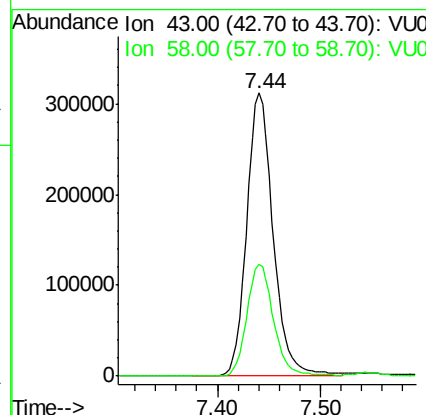
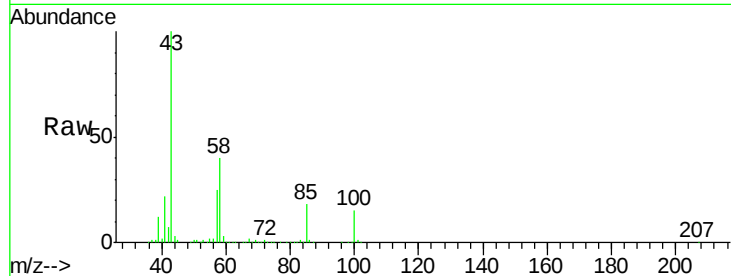
#51
4-Methyl-2-Pentanone
Concen: 80.958 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	43	Resp	553237
Ion Ratio	100	Lower	Upper
58	40.0	32.2	48.4

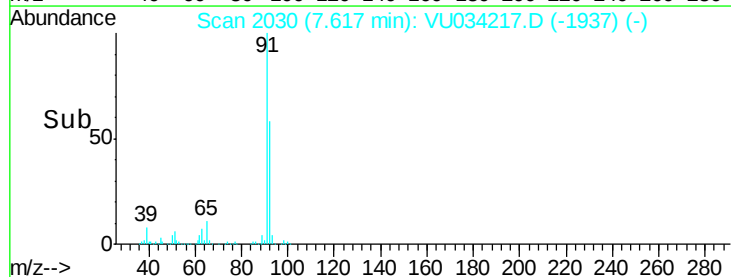
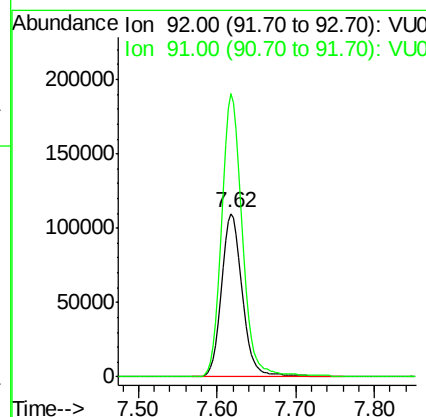
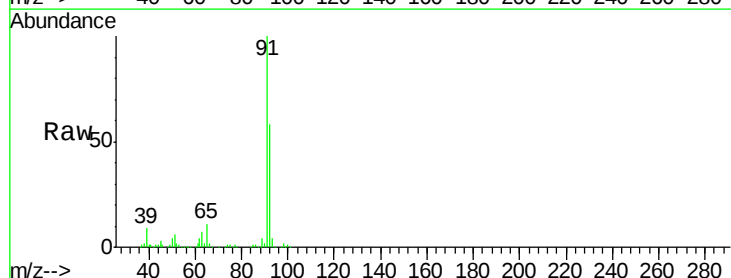
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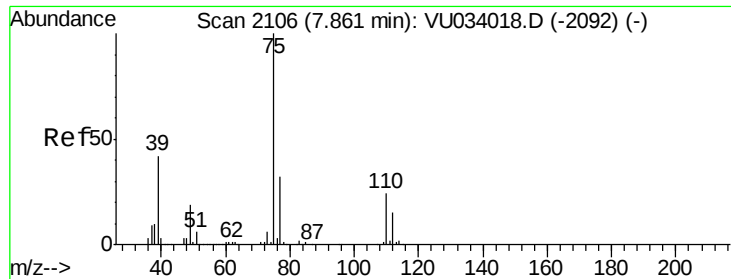
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#52
Toluene
Concen: 18.584 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	92	Resp	201183
Ion Ratio	100	Lower	Upper
91	170.9	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 16.789 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 75 Resp: 113588

Ion Ratio Lower Upper

75 100

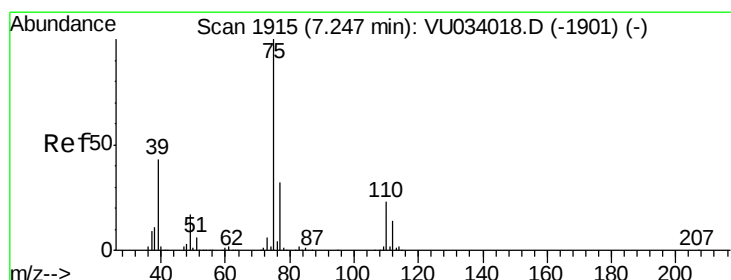
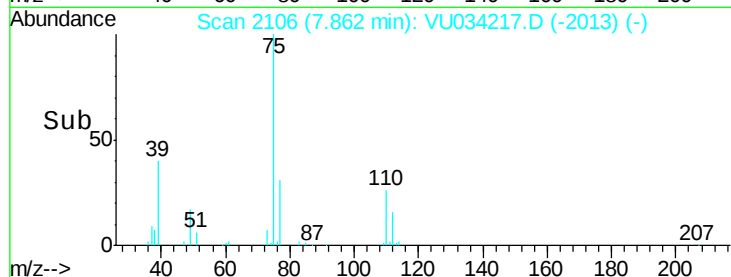
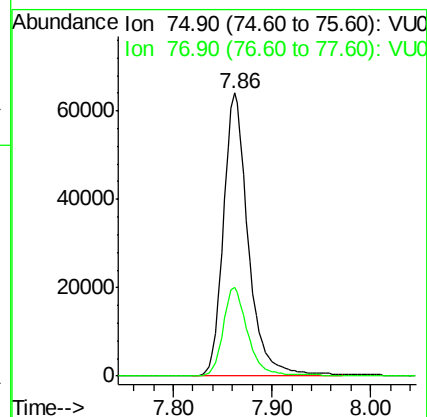
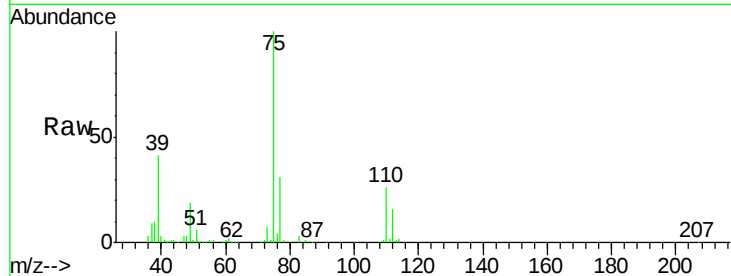
77 31.4 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 17.580 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

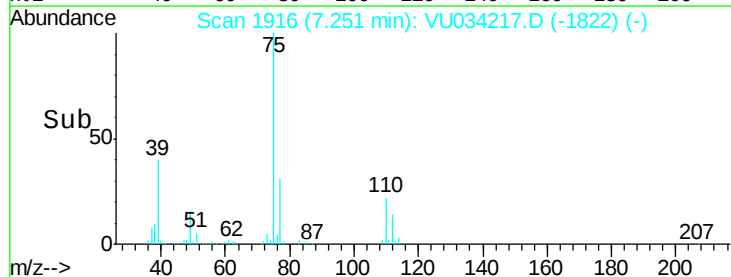
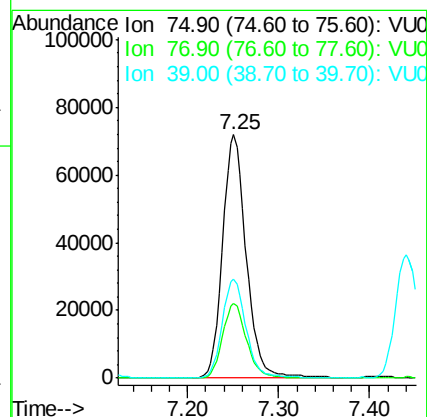
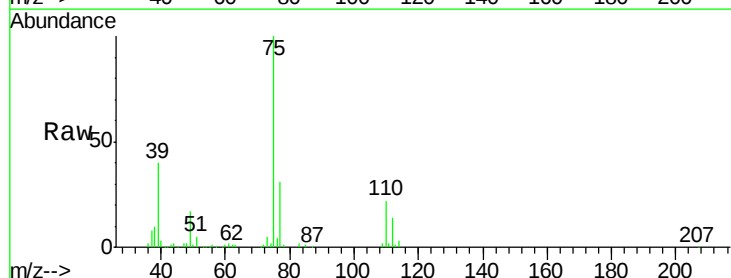
Tgt Ion: 75 Resp: 129941

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 40.5 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 17.952 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 97 Resp: 82202

Ion Ratio Lower Upper

97 100

83 88.3 70.1 105.1

85 54.6 45.0 67.4

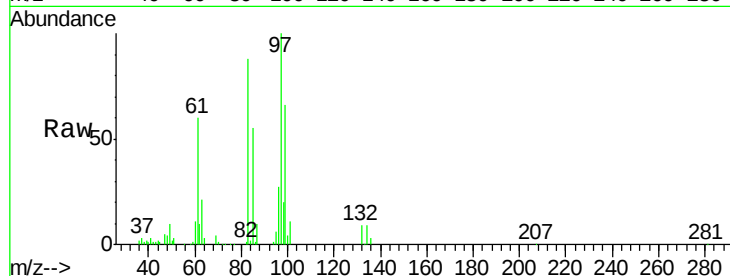
99 65.8 49.8 74.8

Manual Integrations

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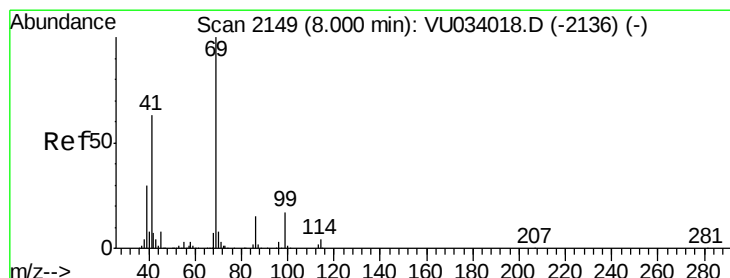
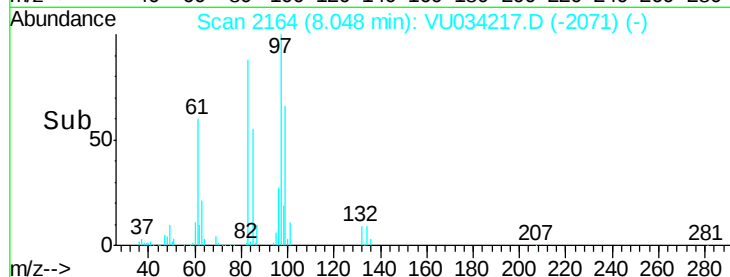
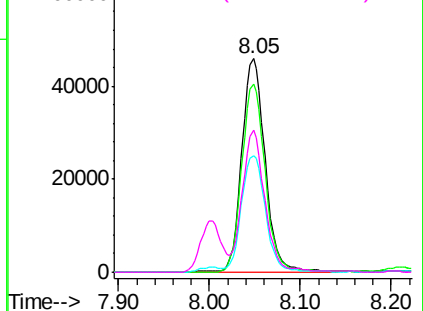


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 15.300 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

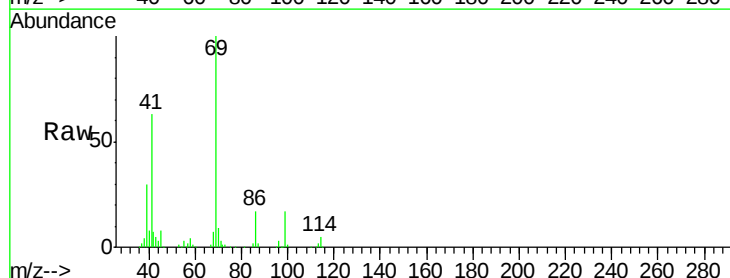
Tgt Ion: 69 Resp: 110989

Ion Ratio Lower Upper

69 100

41 63.8 50.7 76.1

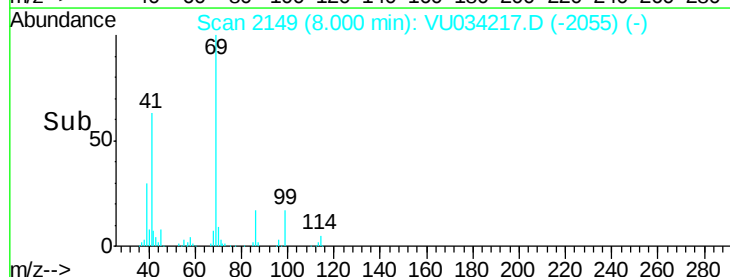
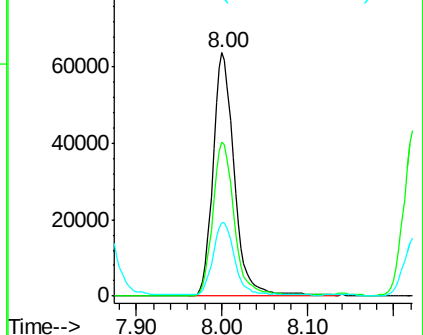
39 30.1 24.2 36.2

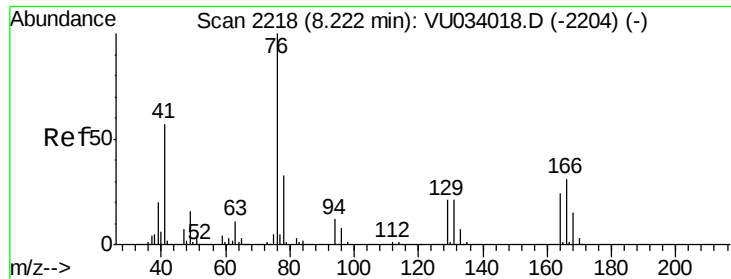


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 17.700 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 76 Resp: 137617

Ion Ratio Lower Upper

76 100

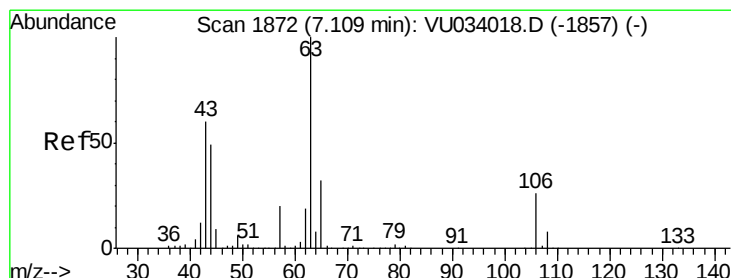
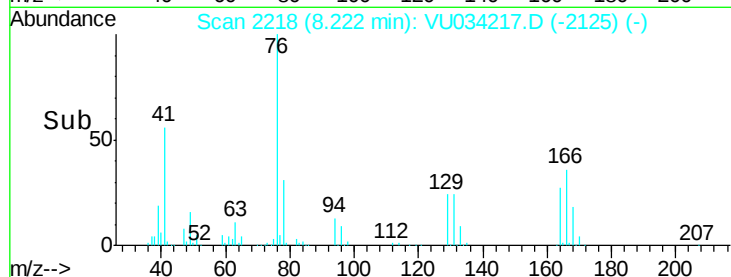
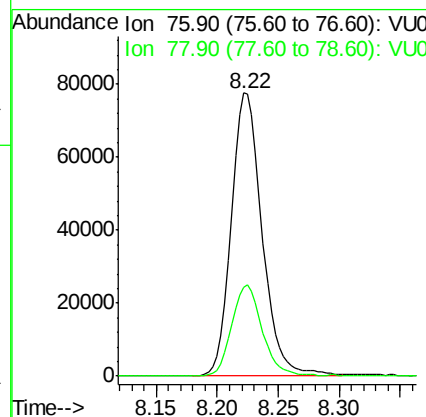
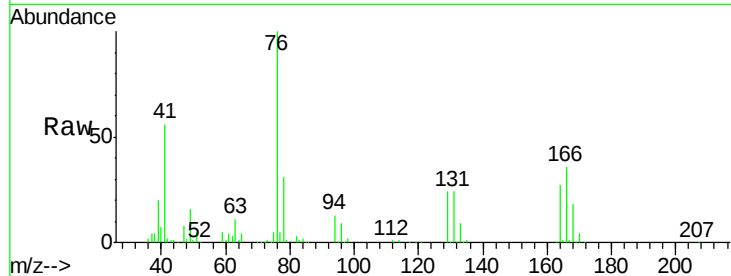
78 31.7 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 71.034 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034217.D

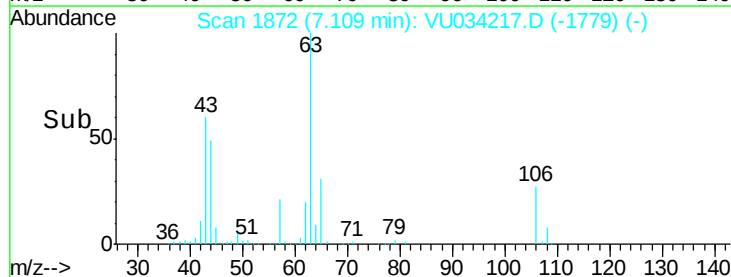
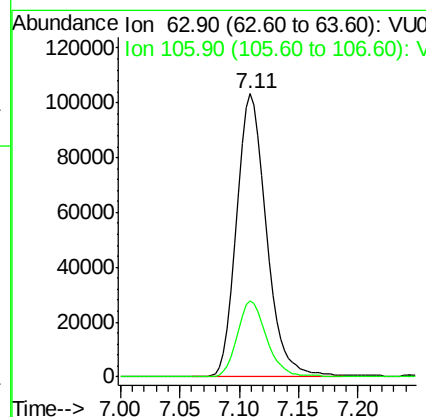
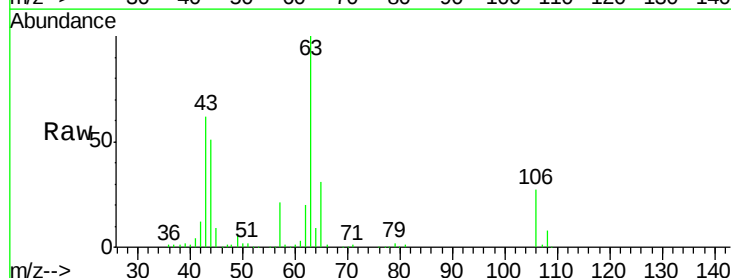
Acq: 03 Sep 2019 11:09

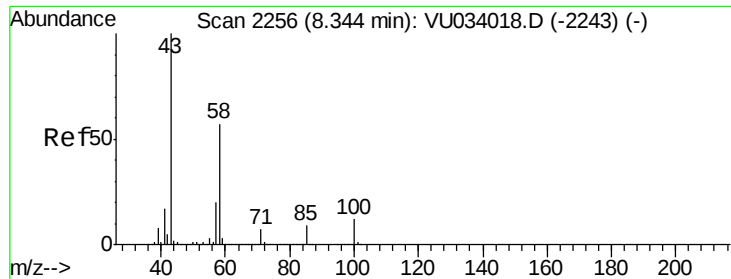
Tgt Ion: 63 Resp: 179948

Ion Ratio Lower Upper

63 100

106 26.5 20.7 31.1





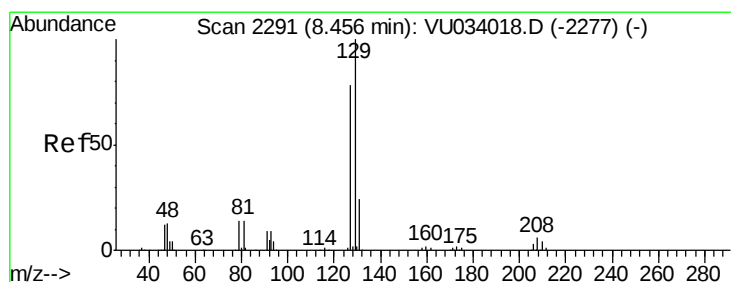
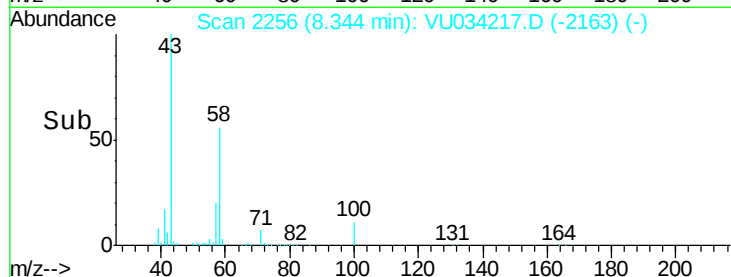
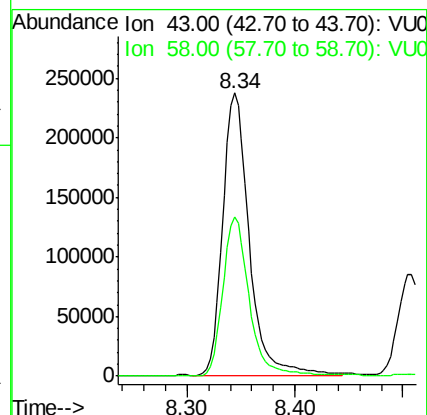
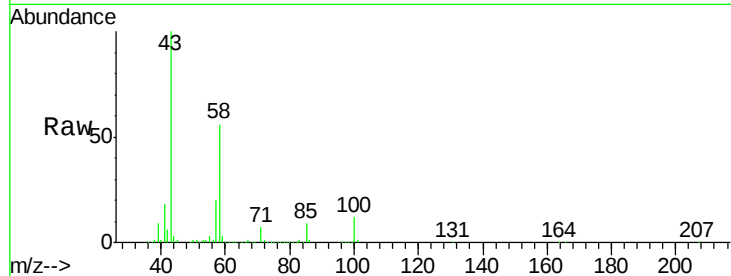
#59
2-Hexanone
Concen: 78.372 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion: 43 Resp: 404306
Ion Ratio Lower Upper
43 100
58 57.1 28.4 85.3

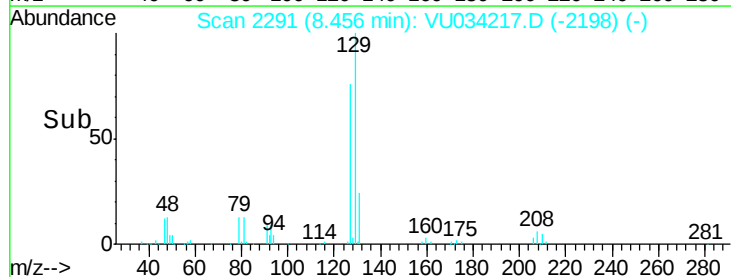
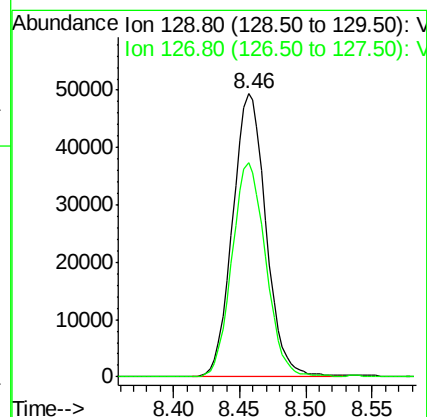
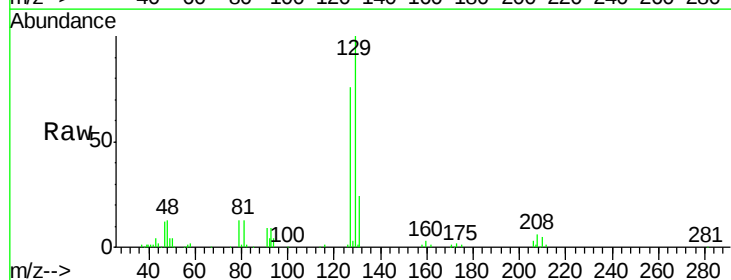
Manual Integrations
APPROVED

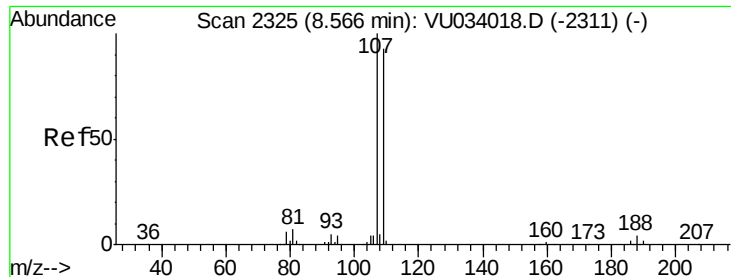
MMDadoda
9/4/2019 4:57:29 PM



#60
Dibromochloromethane
Concen: 17.581 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion: 129 Resp: 86414
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





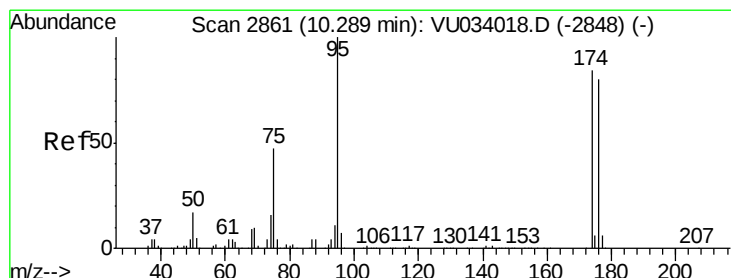
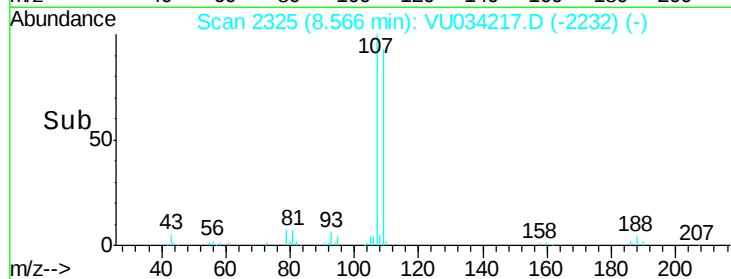
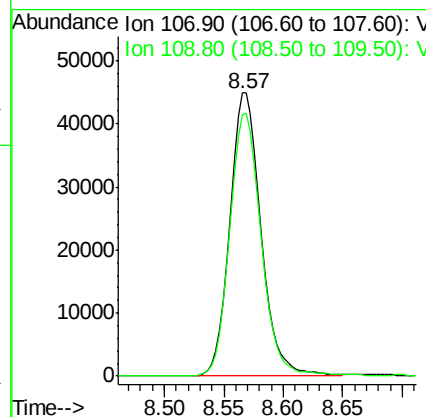
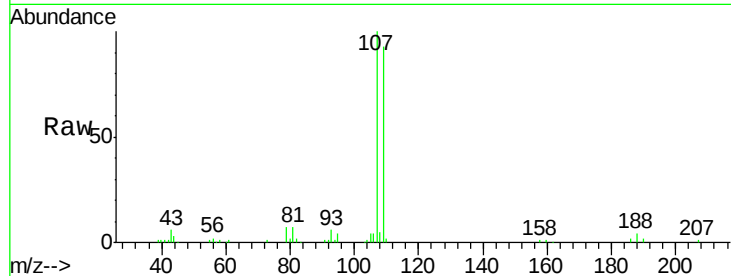
#61
 1,2-Dibromoethane
 Concen: 16.896 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

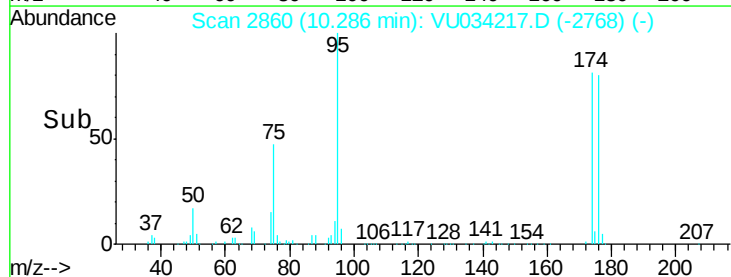
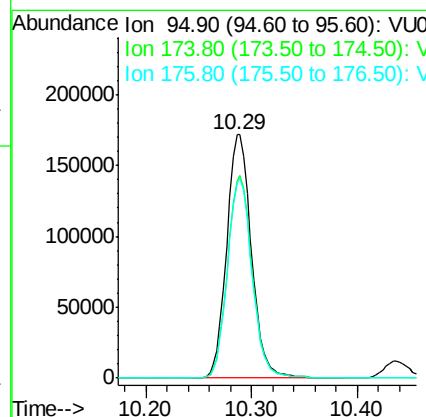
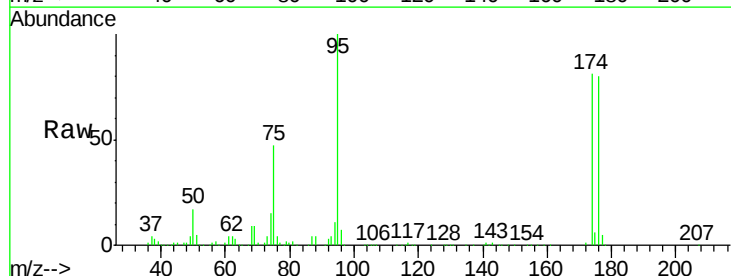
Manual Integrations
 APPROVED

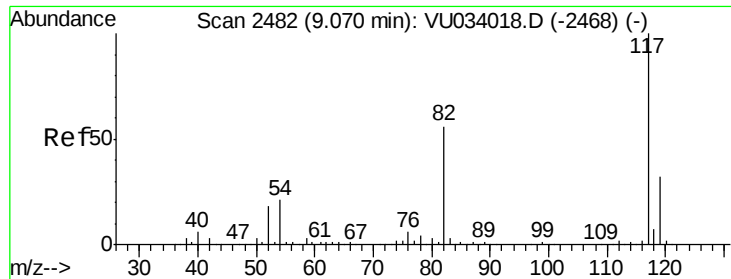
MMDadoda
 9/4/2019 4:57:29 PM



#62
 4-Bromofluorobenzene
 Concen: 44.905 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	168.8
176	81.4	0.0	161.8





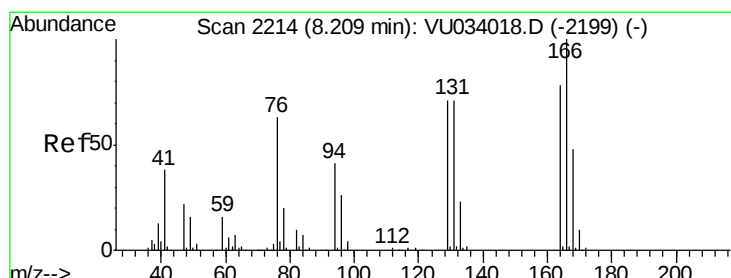
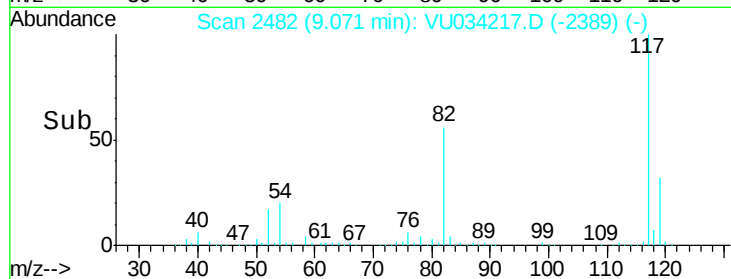
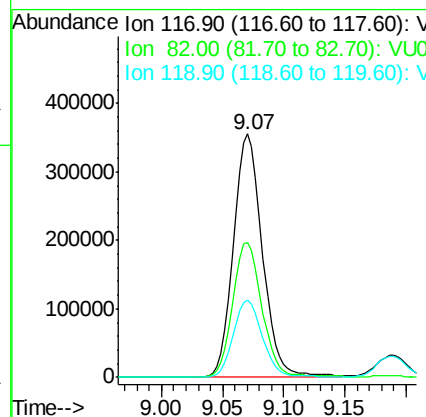
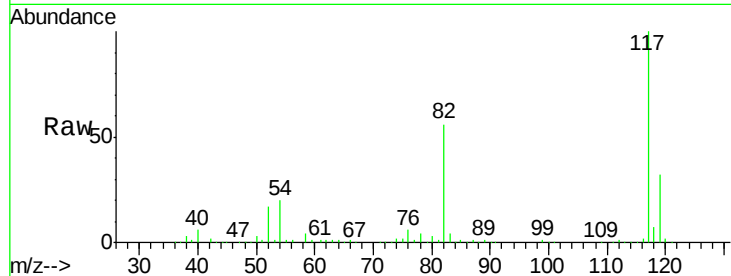
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

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

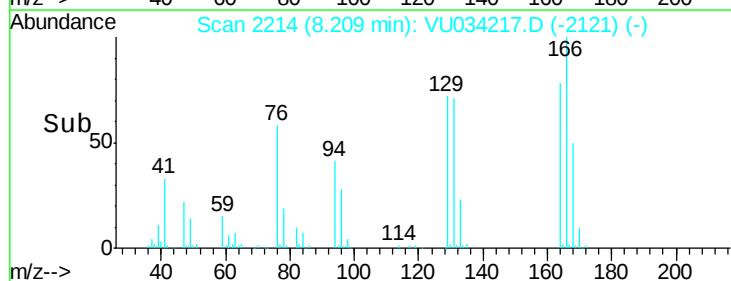
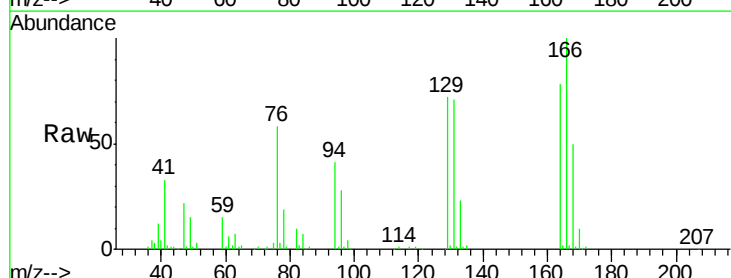
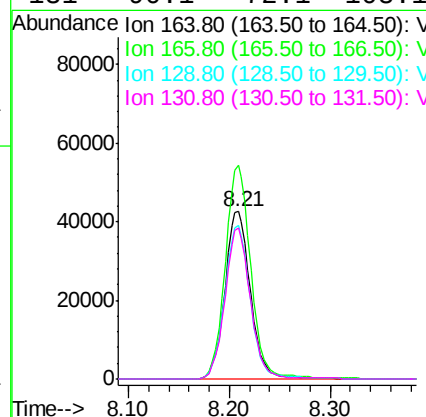
Manual Integrations
APPROVED

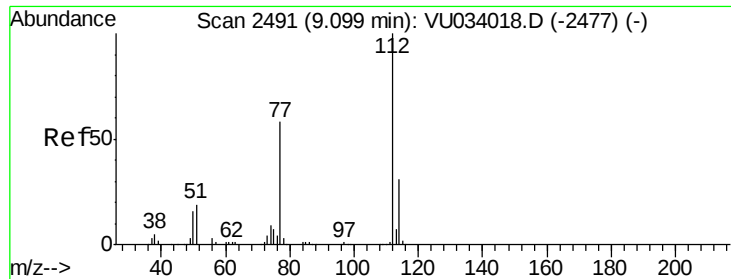
MMDadoda
9/4/2019 4:57:29 PM



#64
Tetrachloroethene
Concen: 19.025 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.2	153.2
129	91.6	72.4	108.6
131	90.1	72.1	108.1





#65

Chlorobenzene

Concen: 17.866 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion:112 Resp: 217456

Ion Ratio Lower Upper

112 100

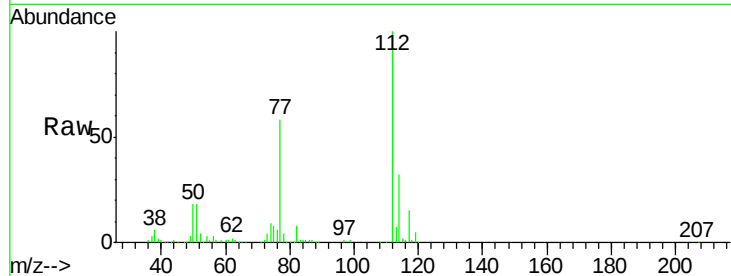
114 31.7 25.0 37.4

Manual Integrations

APPROVED

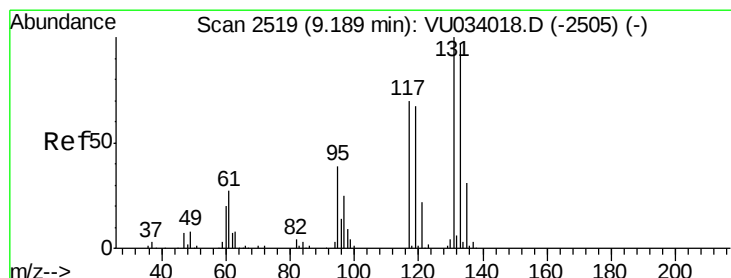
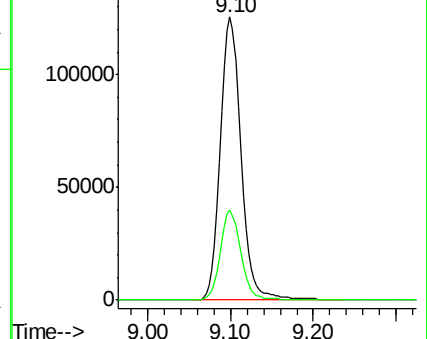
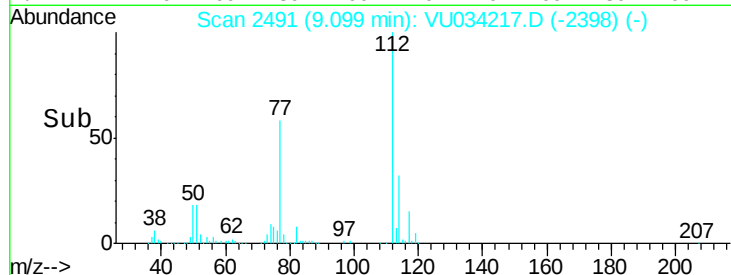
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.657 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

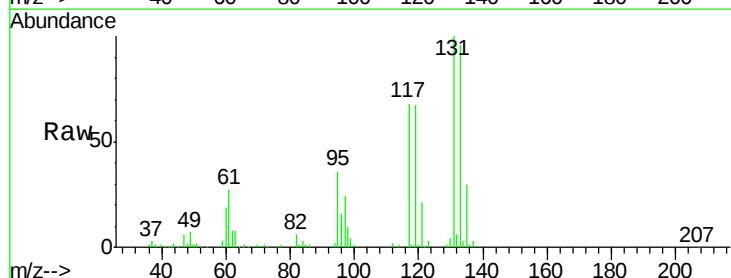
Tgt Ion:131 Resp: 77929

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.2

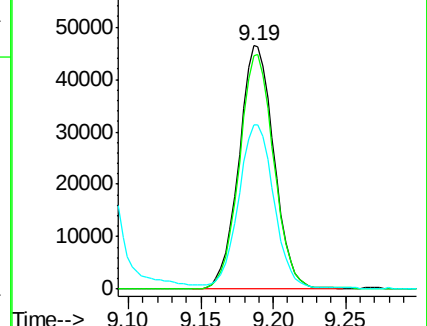
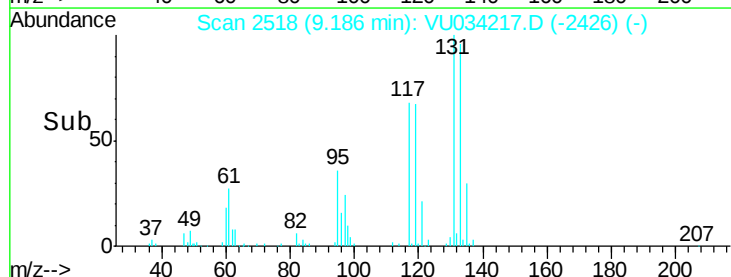
119 68.0 33.6 100.6

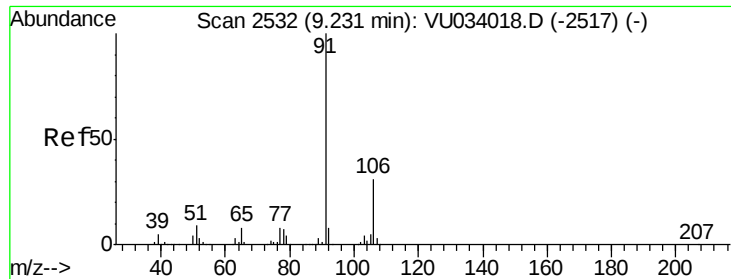


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





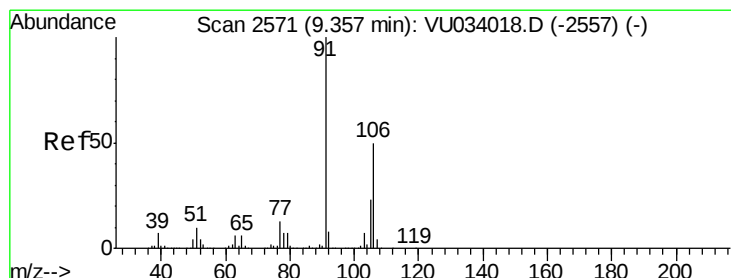
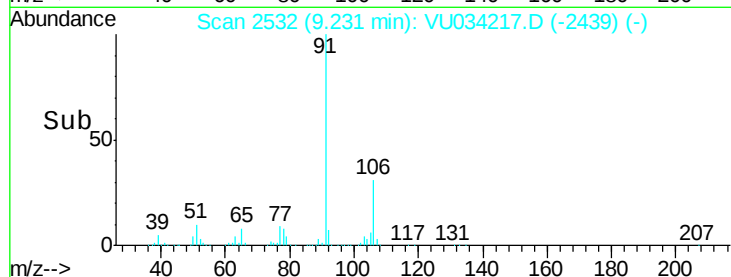
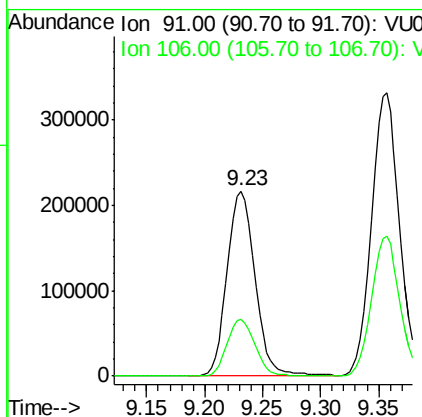
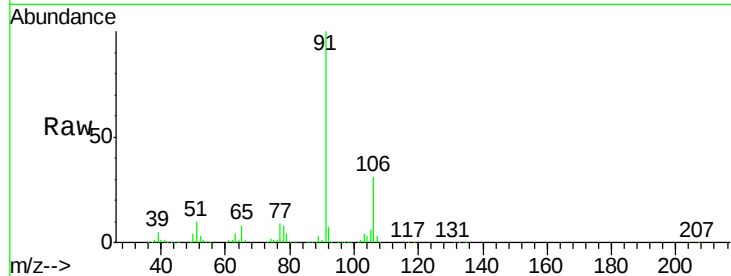
#67
Ethyl Benzene
Concen: 17.535 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	361781		
106	30.8	24.9	37.3	

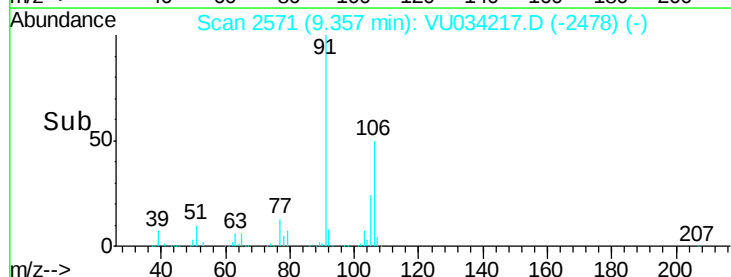
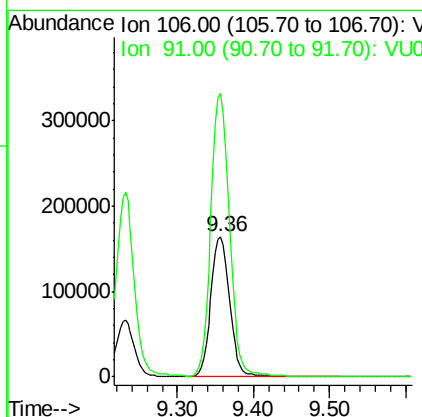
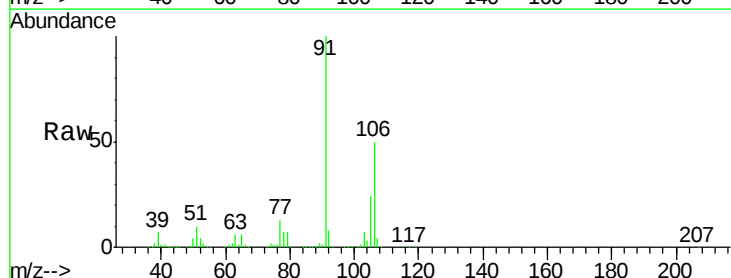
Manual Integrations
APPROVED

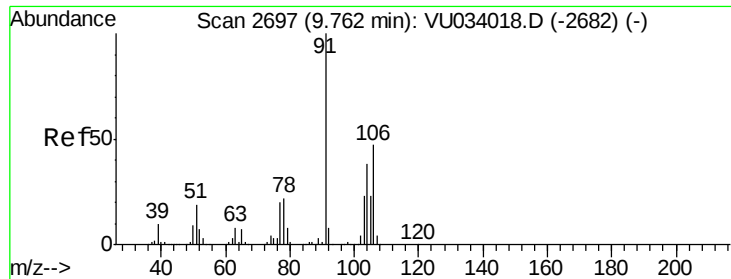
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9/4/2019 4:57:29 PM



#68
m/p-Xylenes
Concen: 36.068 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	282951		
91	199.9	161.6	242.4	





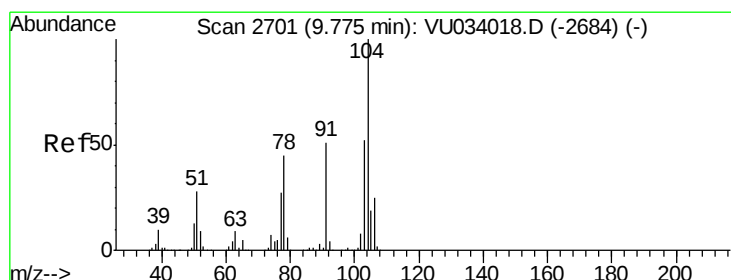
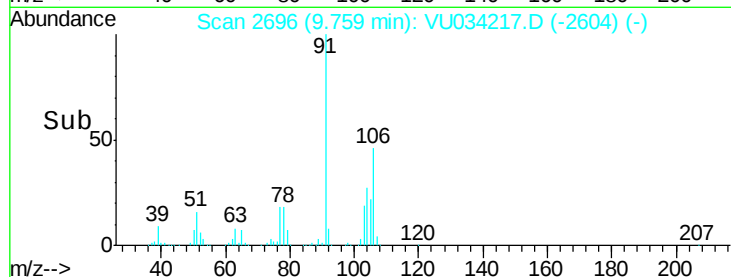
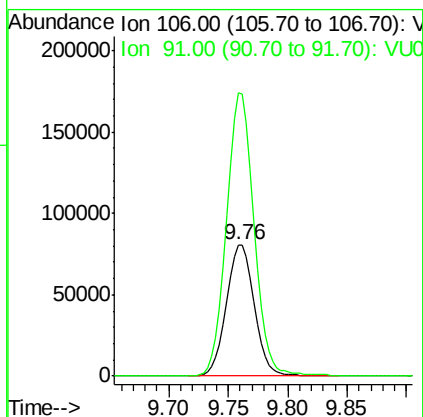
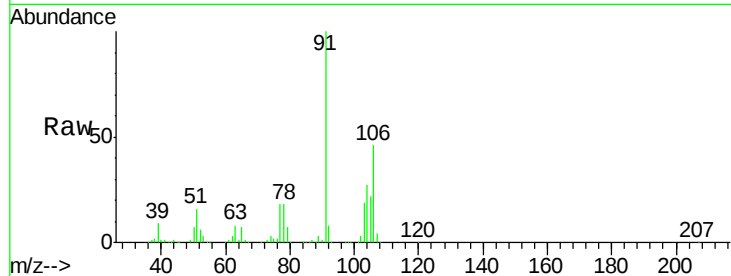
#69
o-Xylene
Concen: 17.520 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	131864		
91	91	213.2	106.0	318.0	

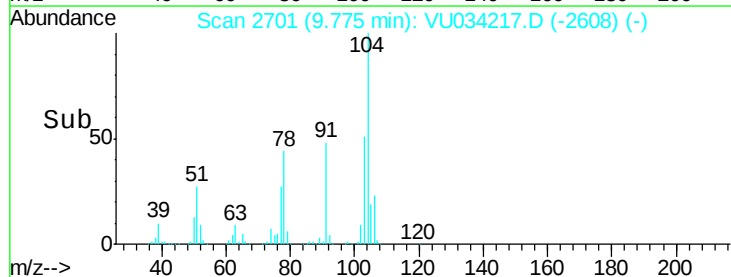
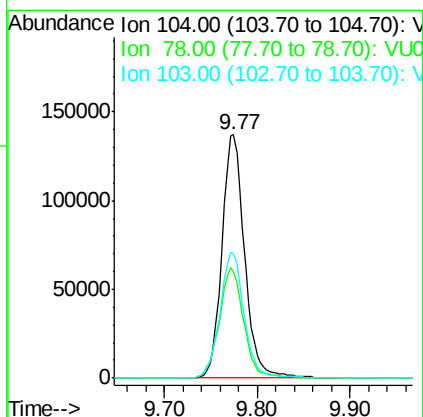
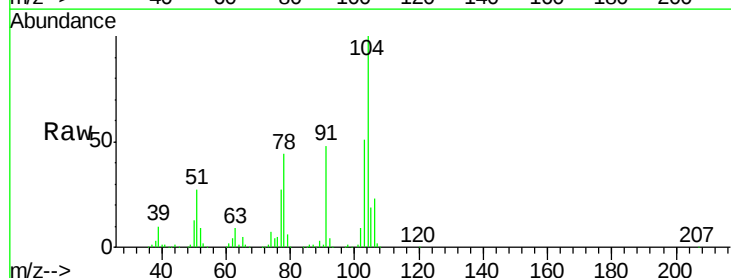
Manual Integrations
APPROVED

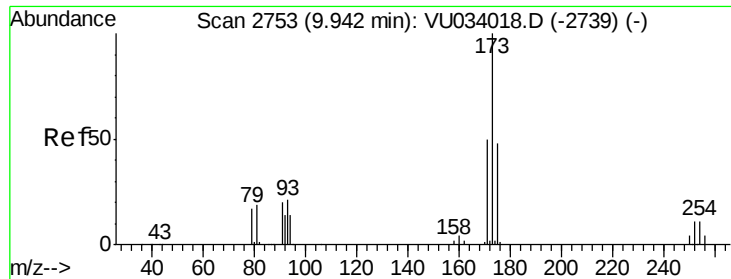
MMDadoda
9/4/2019 4:57:29 PM



#70
Styrene
Concen: 18.038 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	232787		
78	78	48.8	39.0	58.4	
103	103	55.2	44.0	66.0	





#71

Bromoform

Concen: 16.532 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion:173 Resp: 63394

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.6

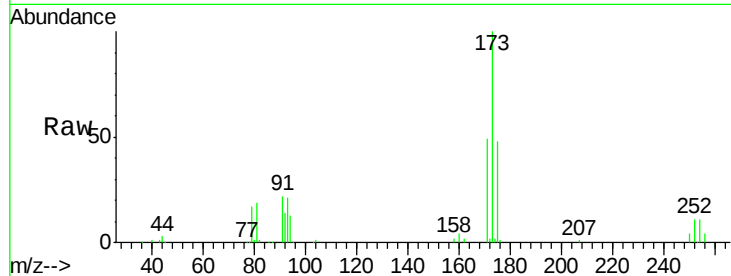
254 0.0 0.0 0.0

Manual Integrations

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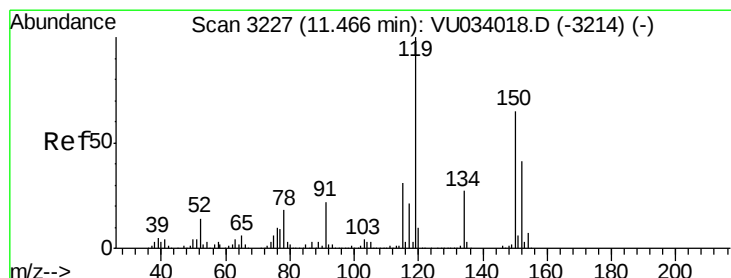
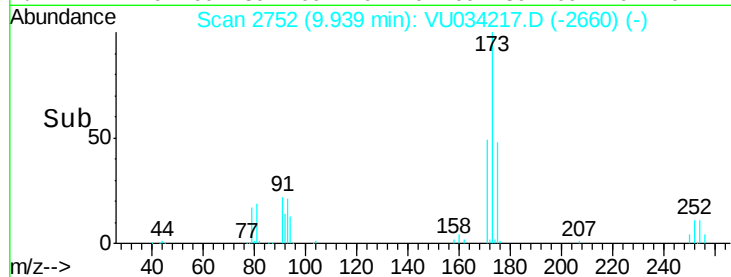
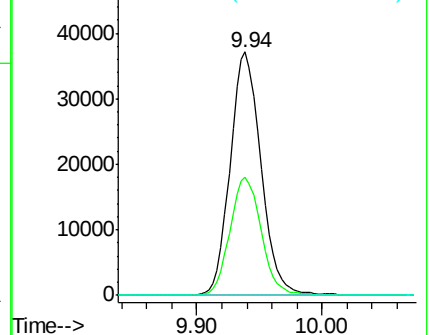
9/4/2019 4:57:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

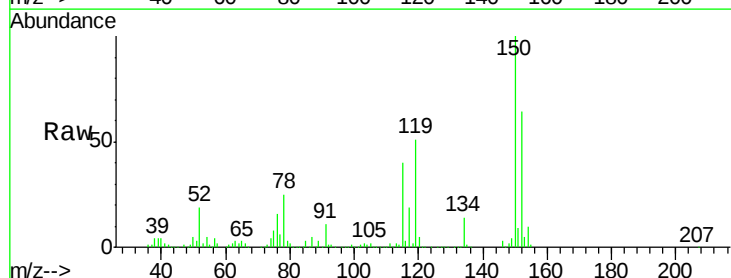
Tgt Ion:152 Resp: 320743

Ion Ratio Lower Upper

152 100

115 64.2 41.1 123.3

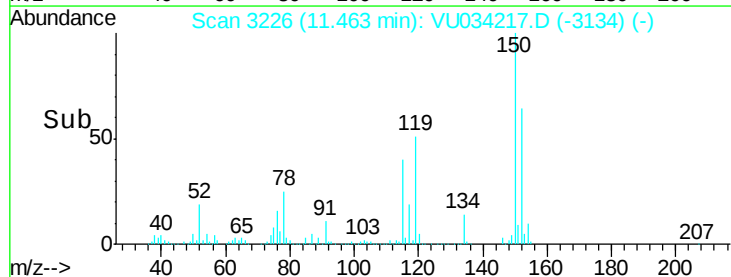
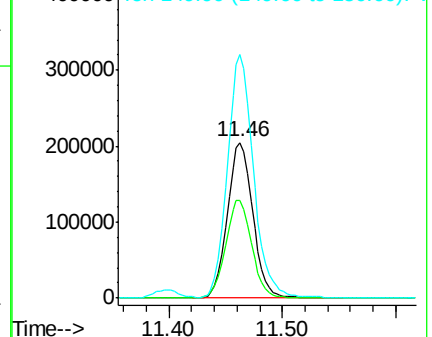
150 159.7 0.0 348.8

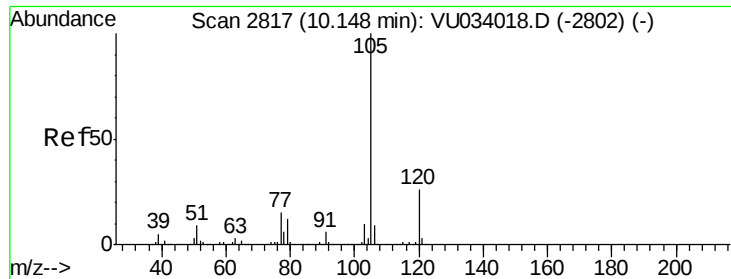


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.726 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 105 Resp: 360341

Ion Ratio Lower Upper

105 100

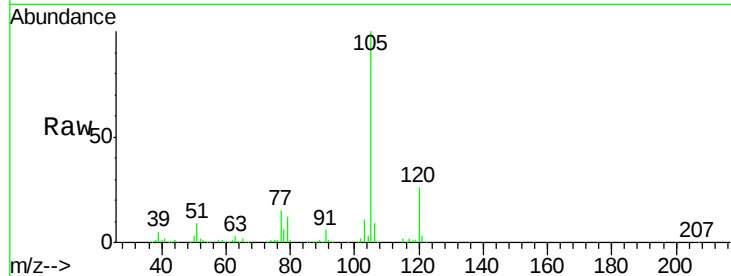
120 26.0 13.3 39.8

Manual Integrations

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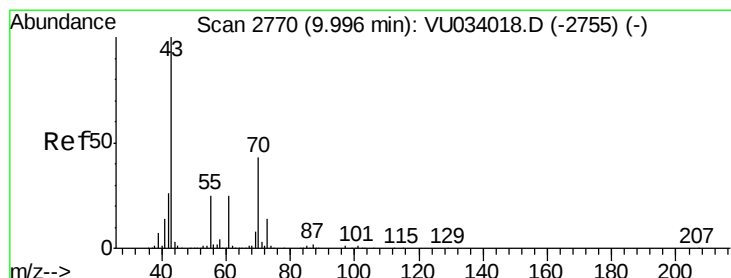
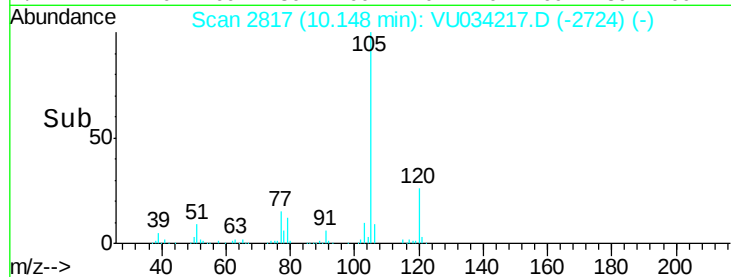
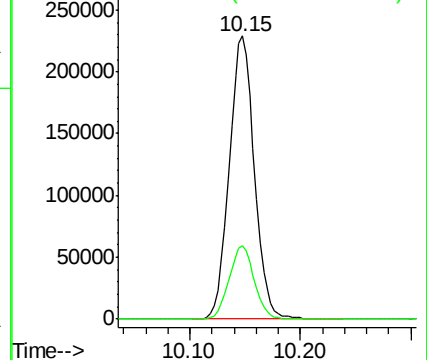
MMDadoda

9/4/2019 4:57:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.324 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion: 43 Resp: 138852

Ion Ratio Lower Upper

43 100

70 43.6 35.2 52.8

55 26.1 20.5 30.7

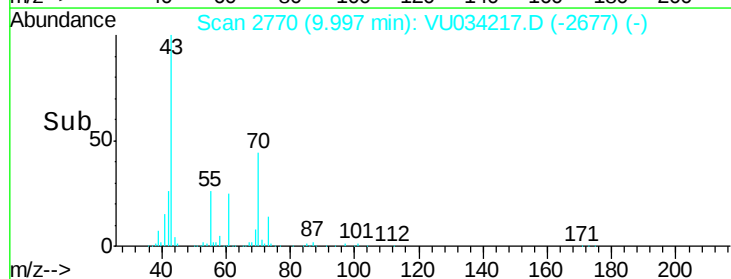
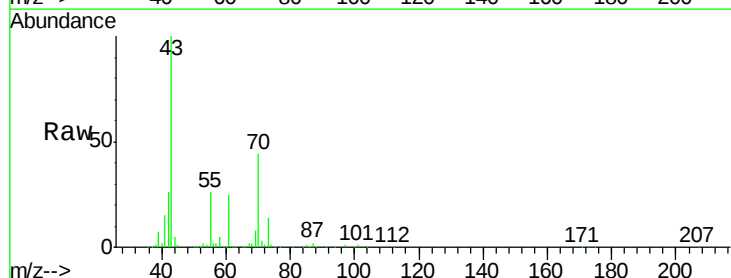
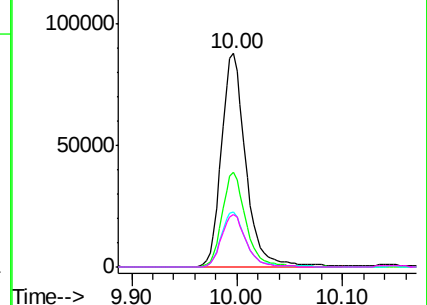
61 25.0 20.0 30.0

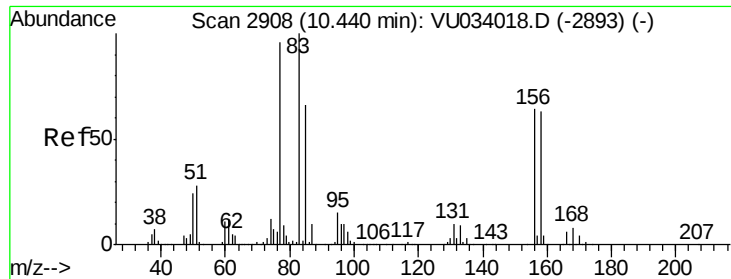
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.254 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

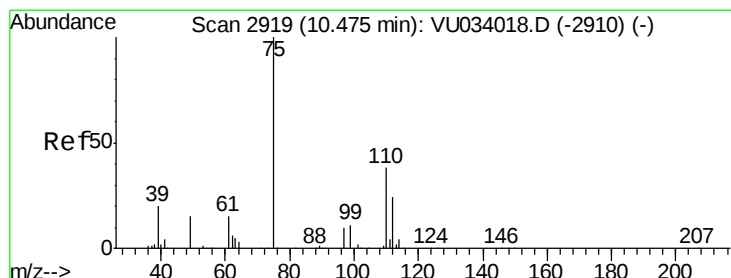
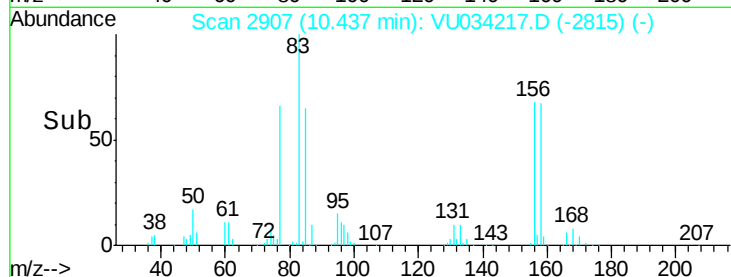
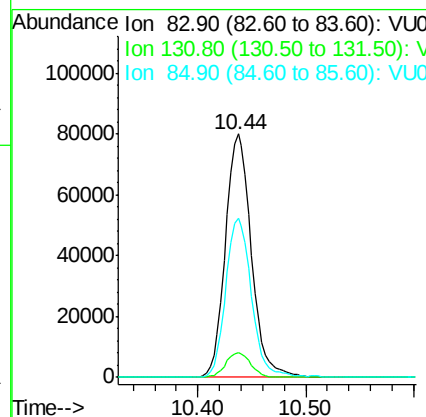
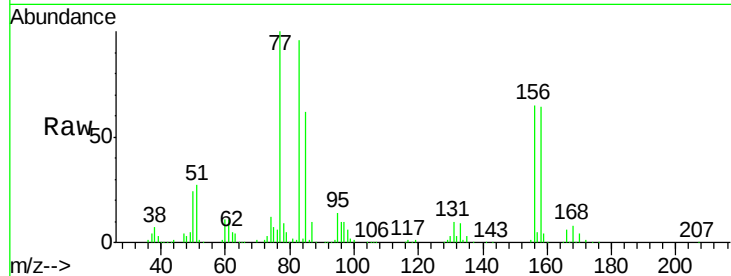
ClientSampleId :

VU0904WBS01

Tot Ion	83	Resp	134031
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.362 ug/l m

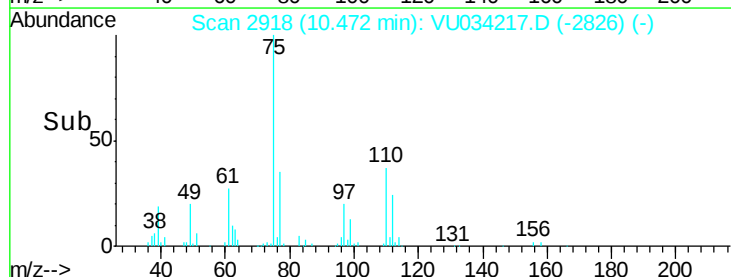
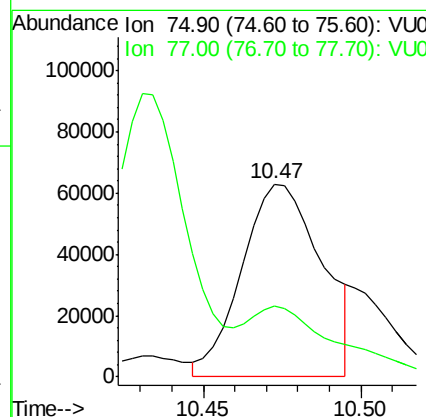
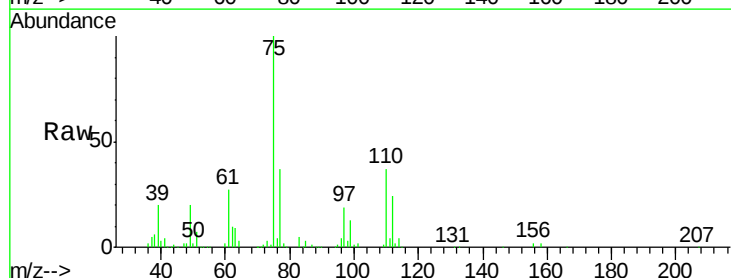
RT: 10.47 min Scan# 2918

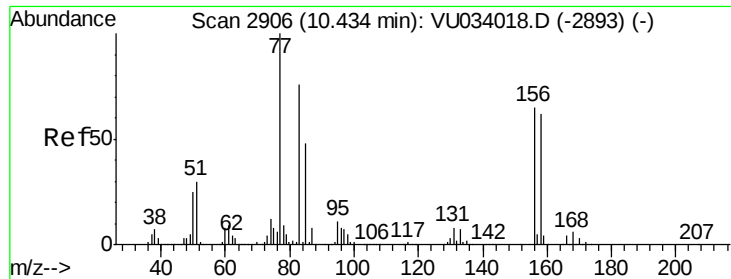
Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Tgt Ion	75	Resp	111053
Ion Ratio	Lower	Upper	
75	100		
77	41.8	20.1	60.2





#77

Bromobenzene

Concen: 16.847 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion:156 Resp: 97633

Ion Ratio Lower Upper

156 100

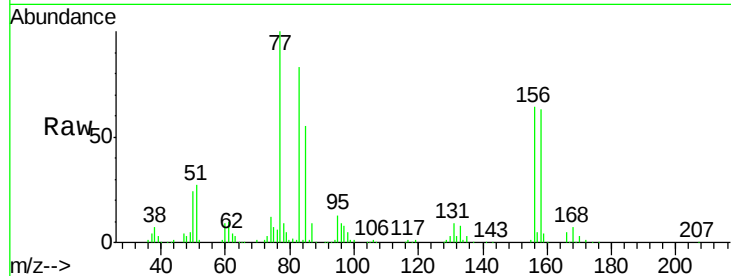
77 156.9 76.8 230.5

158 98.4 48.4 145.0

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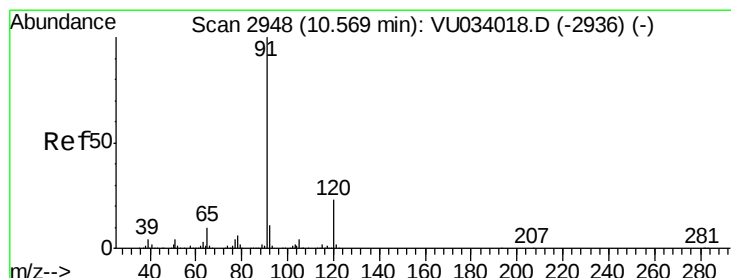
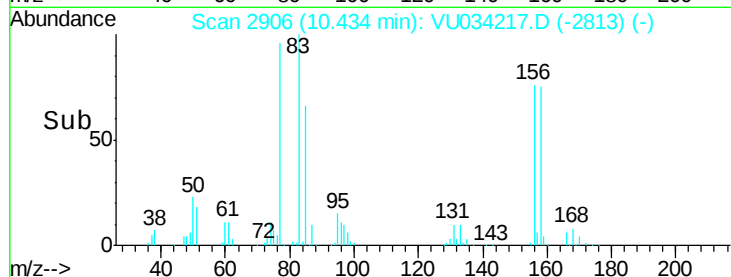
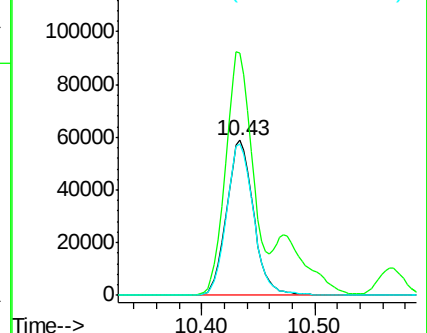
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.853 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034217.D

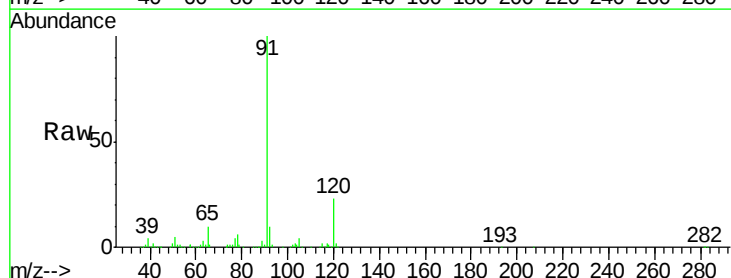
Acq: 03 Sep 2019 11:09

Tgt Ion: 91 Resp: 422832

Ion Ratio Lower Upper

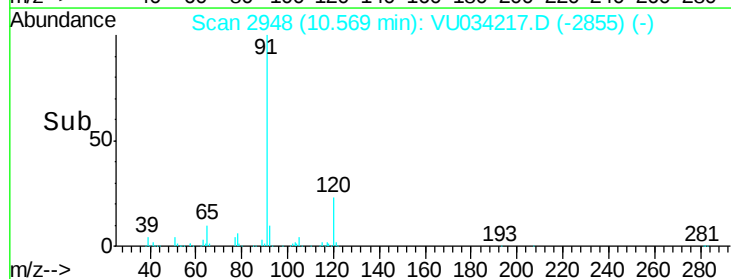
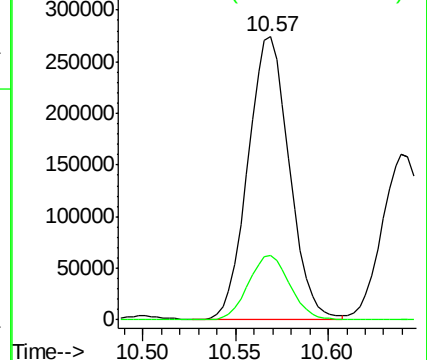
91 100

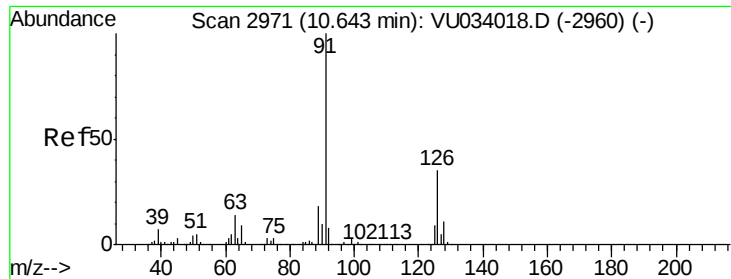
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.034 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034217.D

Acq: 03 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0904WBS01

Tot Ion: 91 Resp: 256349

Ion Ratio Lower Upper

91 100

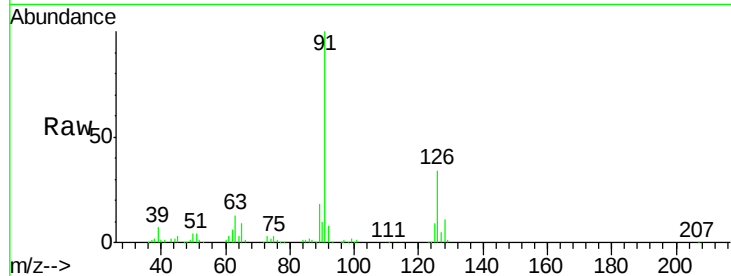
126 34.1 17.1 51.2

Manual Integrations

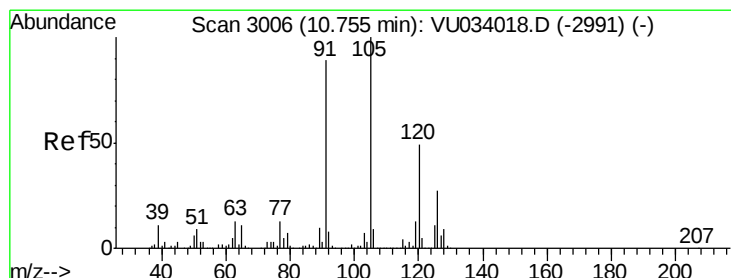
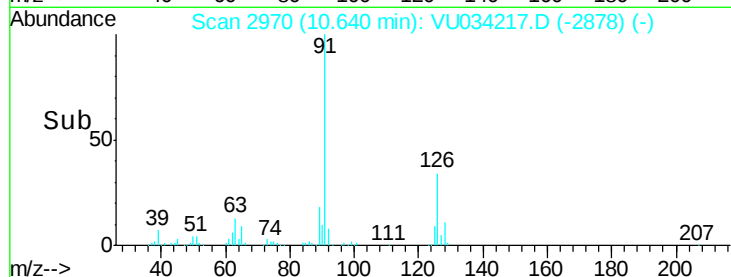
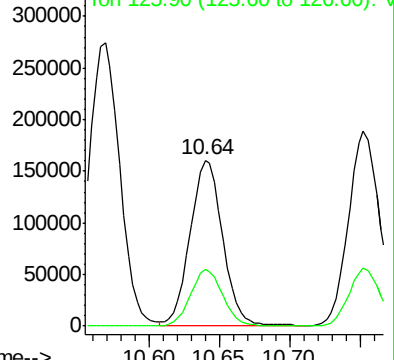
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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.406 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034217.D

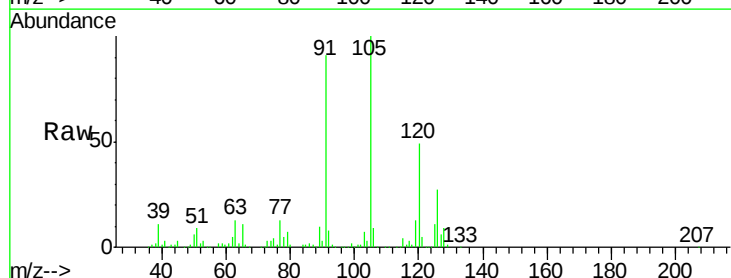
Acq: 03 Sep 2019 11:09

Tgt Ion: 105 Resp: 317825

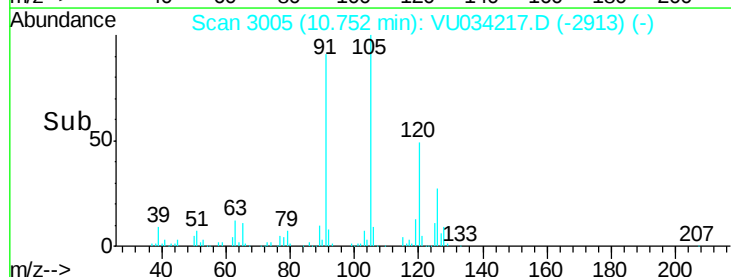
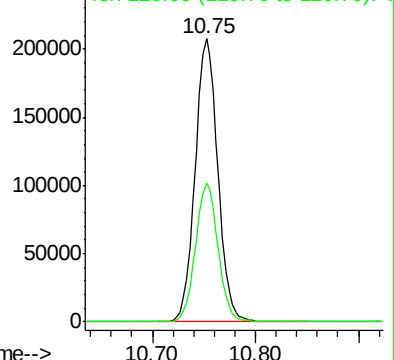
Ion Ratio Lower Upper

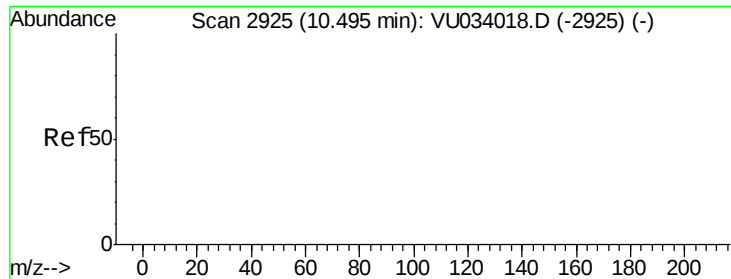
105 100

120 48.7 24.6 73.6



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





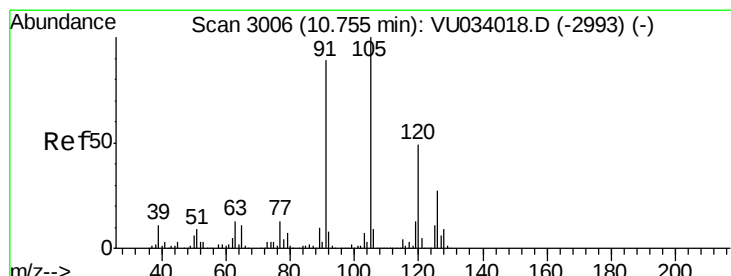
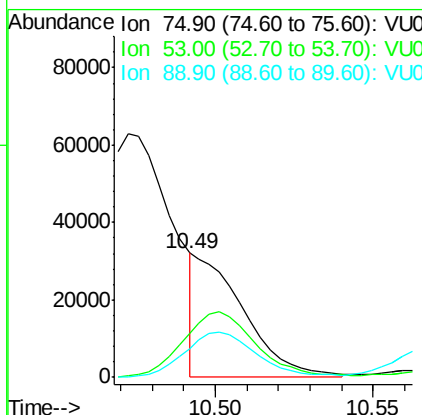
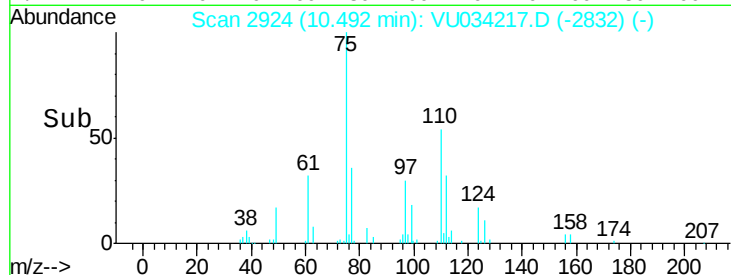
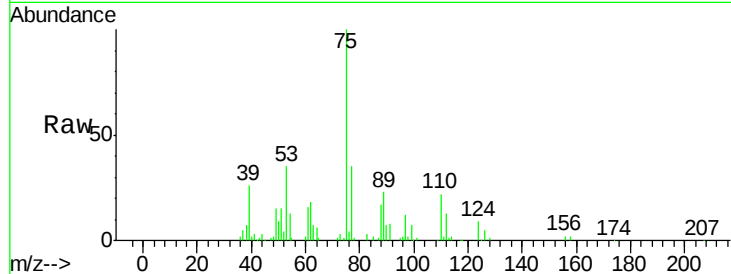
#81
trans-1,4-Dichloro-2-butene
Concen: 15.992 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

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

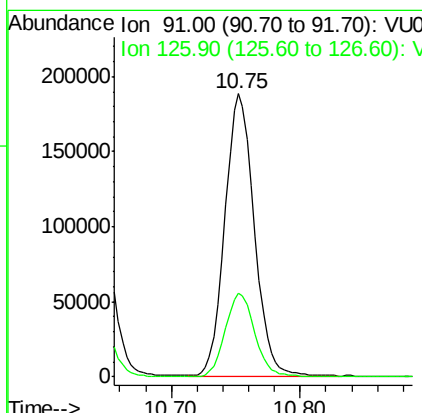
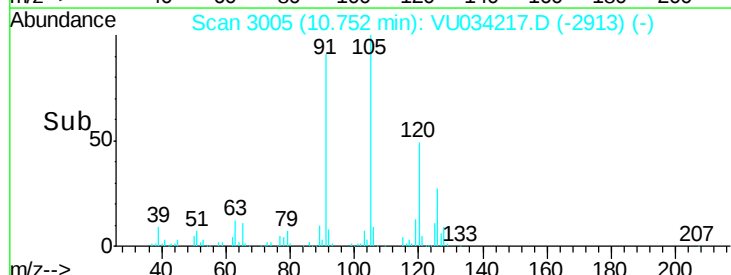
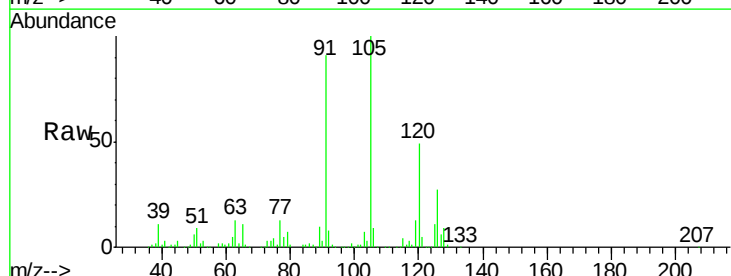
Manual Integrations
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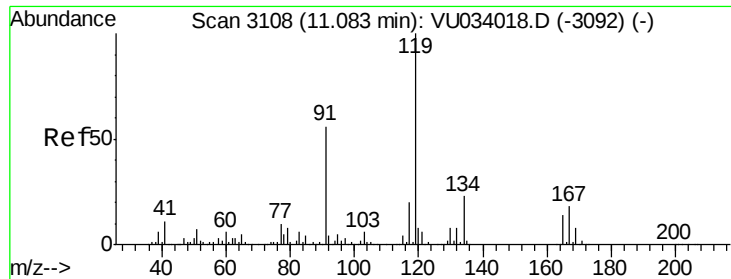
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#82
4-Chlorotoluene
Concen: 17.090 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.0	45.1





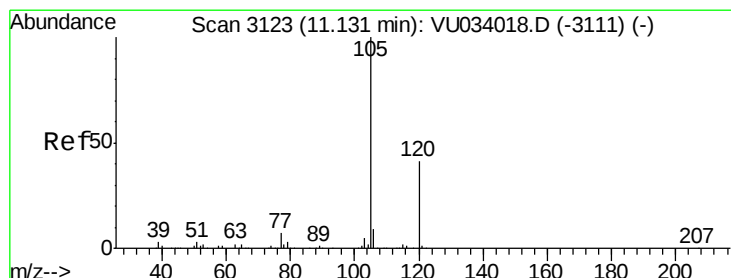
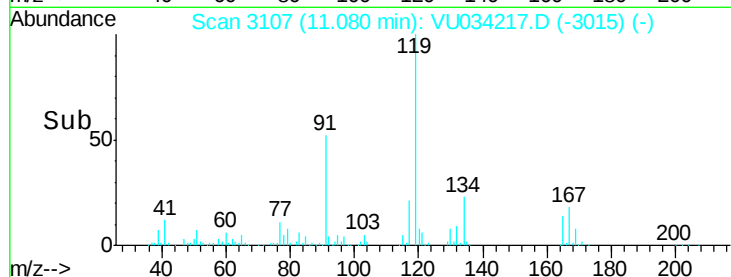
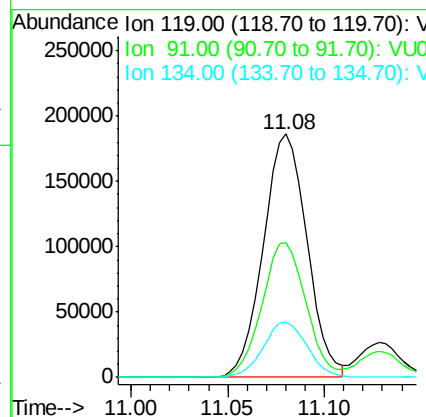
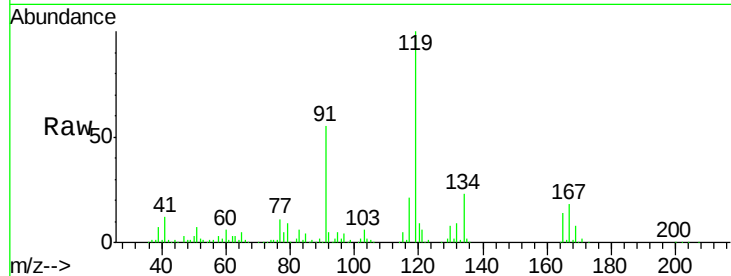
#83
 tert-Butylbenzene
 Concen: 16.295 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292912		
91	55.5	27.9	83.6	
134	22.9	11.4	34.2	

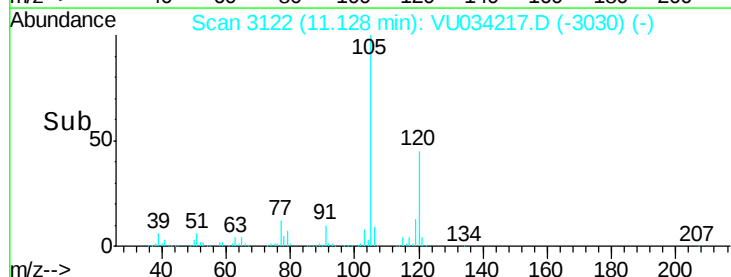
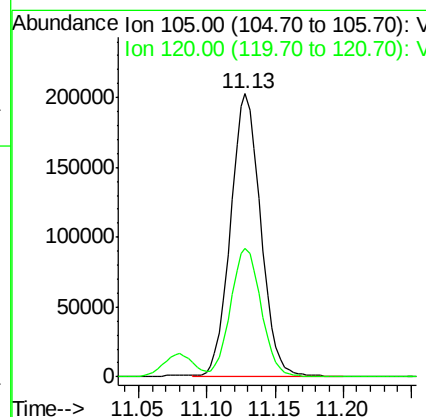
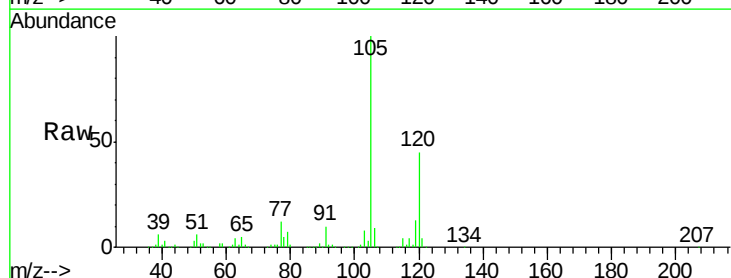
Manual Integrations
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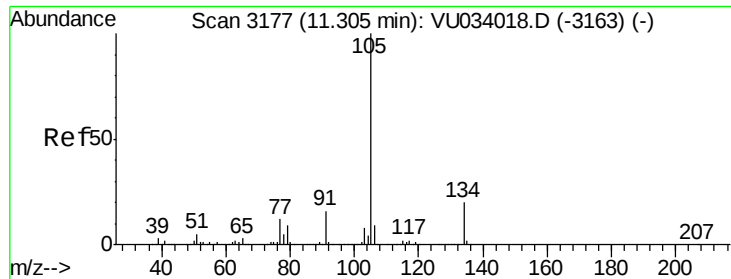
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.082 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309733		
120	46.2	22.6	67.8	





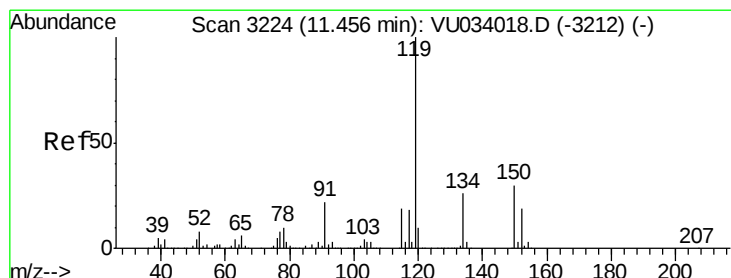
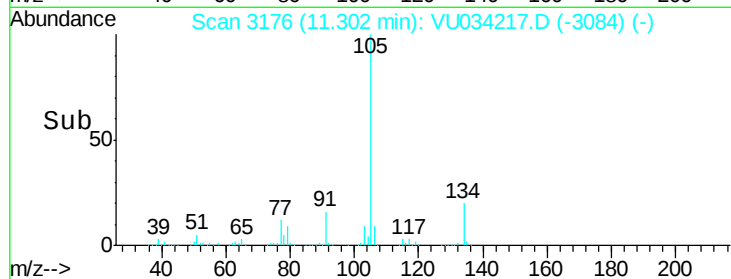
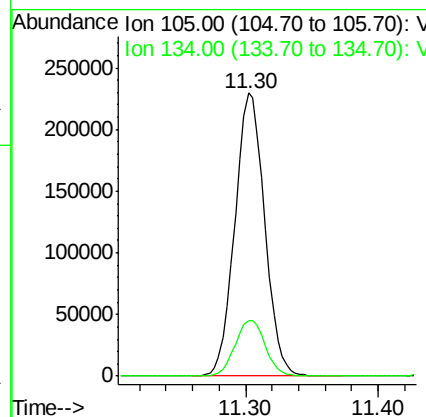
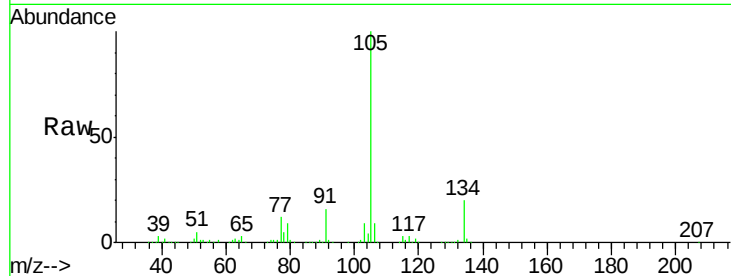
#85
 sec-Butylbenzene
 Concen: 16.551 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	356587		
134	20.1	10.0	30.0	

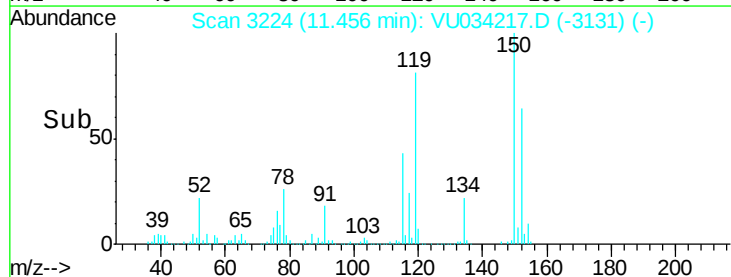
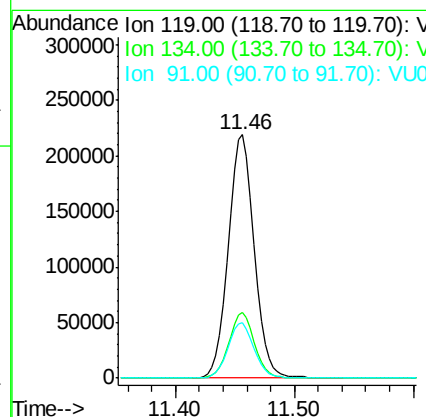
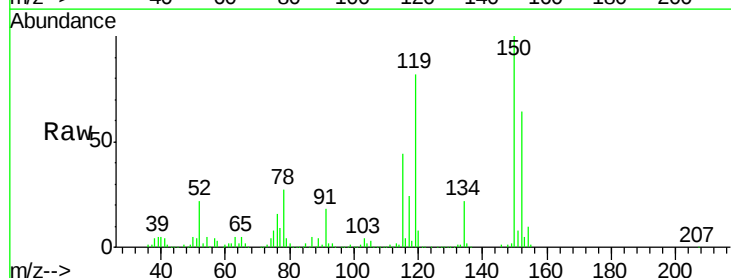
Manual Integrations
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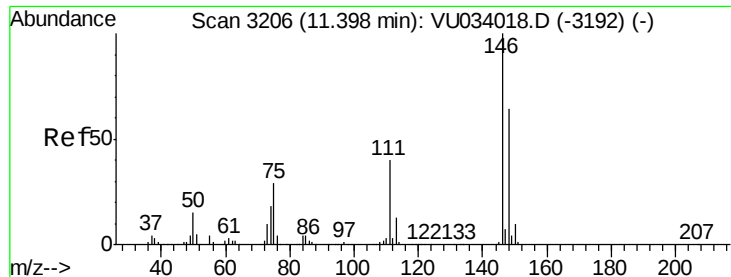
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#86
 p-Isopropyltoluene
 Concen: 16.849 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	328304		
134	26.7	13.1	39.1	
91	23.2	11.2	33.6	





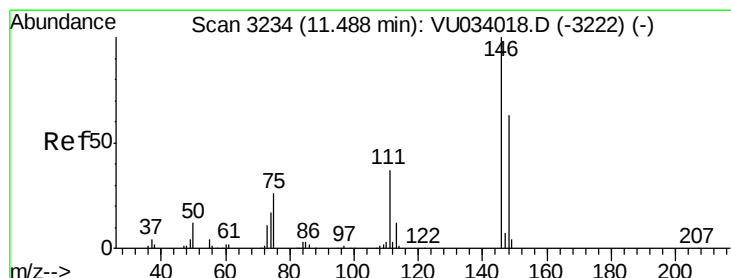
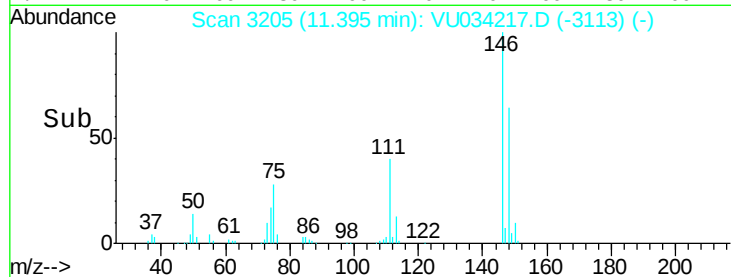
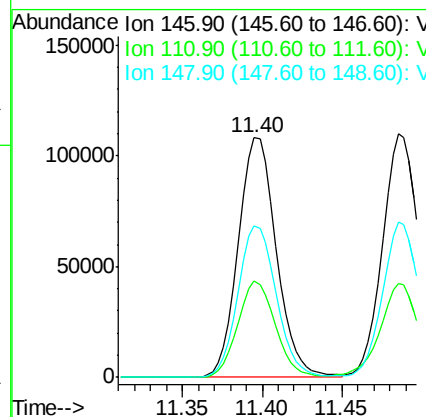
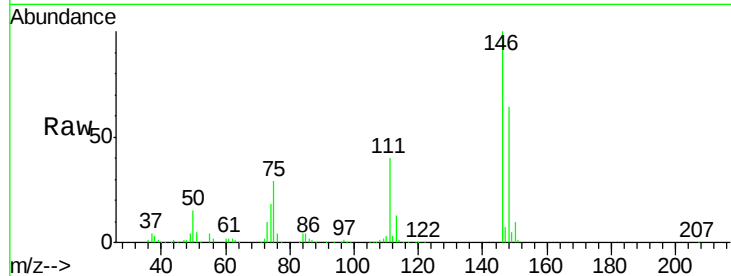
#87
 1,3-Dichlorobenzene
 Concen: 17.098 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampled :
 VU0904WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	63.9	31.9	95.5

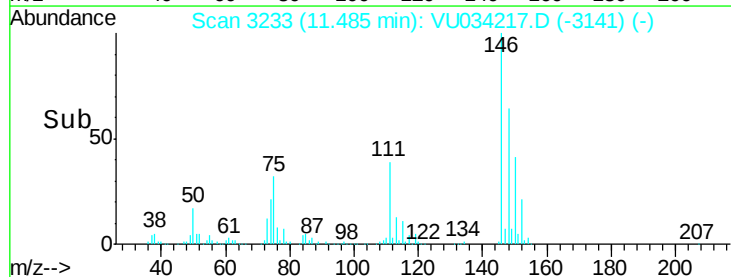
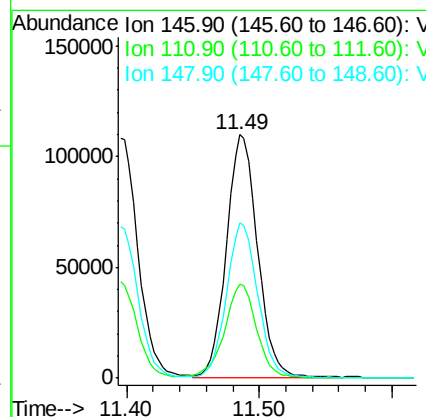
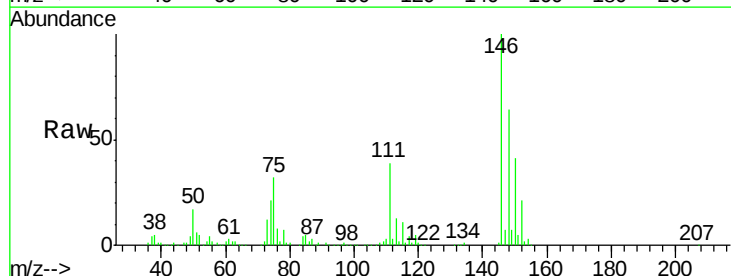
Manual Integrations
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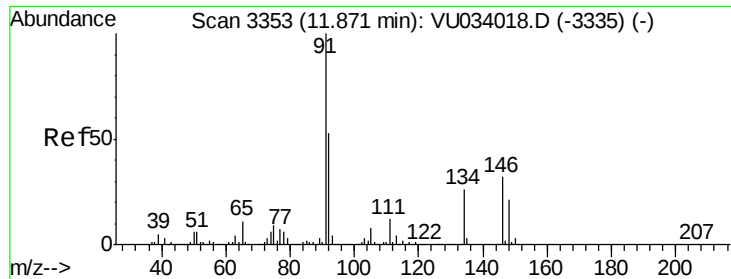
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 9/4/2019 4:57:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.182 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.2	57.6
148	63.6	31.9	95.9





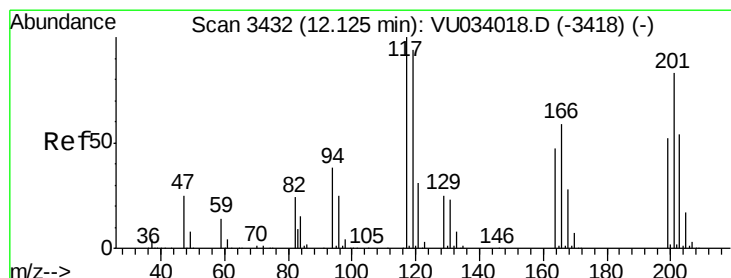
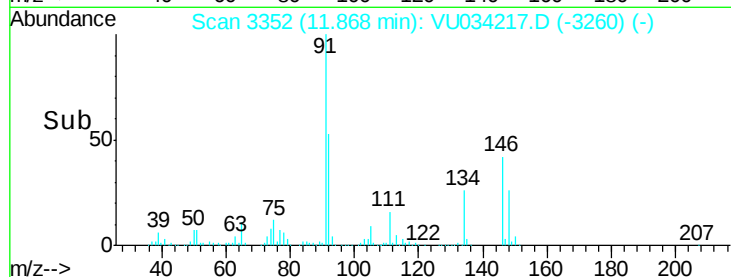
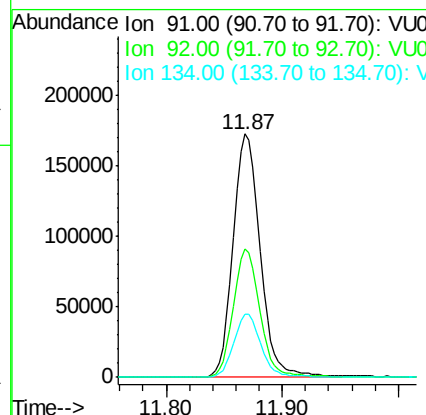
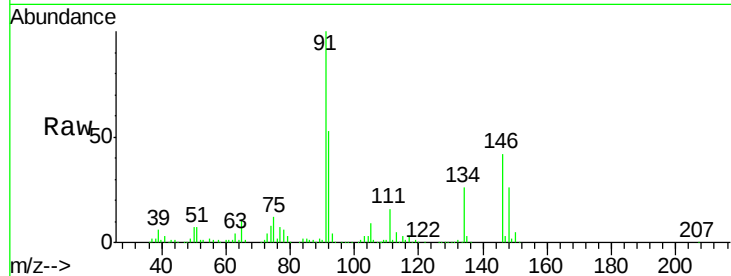
#89
n-Butylbenzene
Concen: 16.187 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	25.5	12.9	38.7

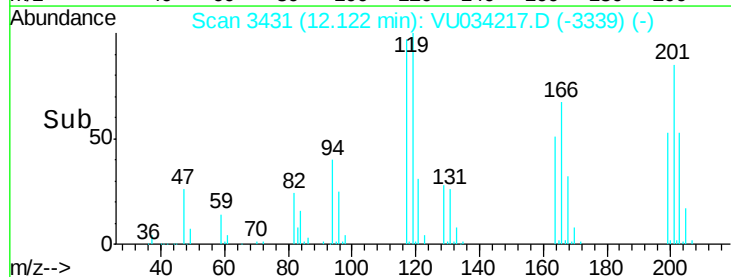
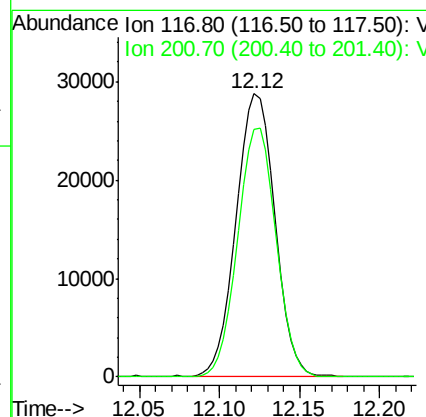
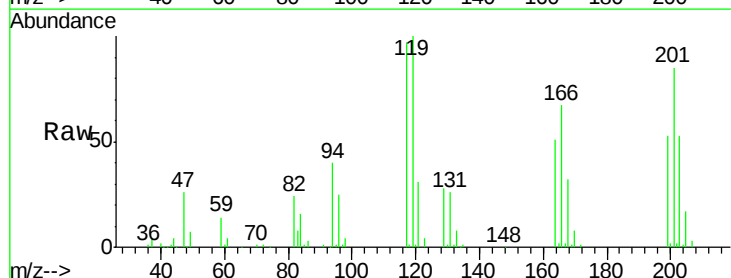
Manual Integrations
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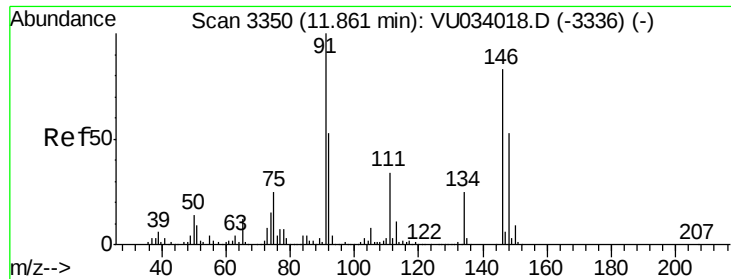
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#90
Hexachloroethane
Concen: 14.170 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	42.5	127.6





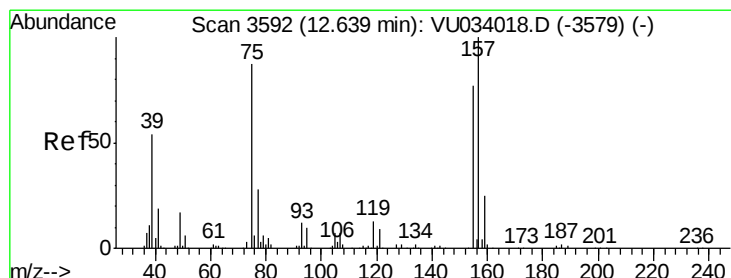
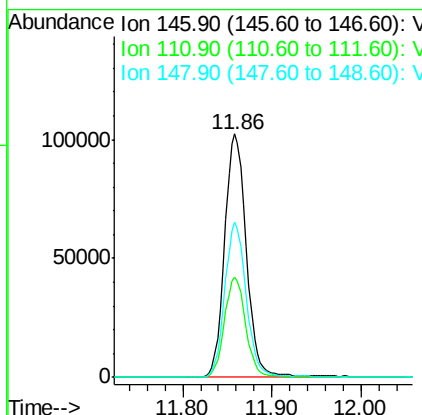
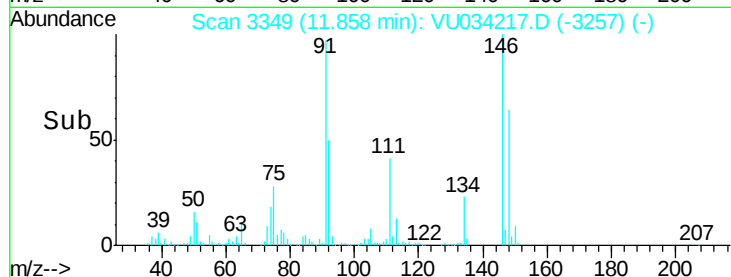
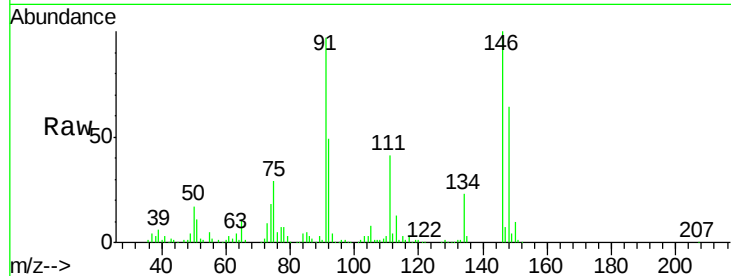
#91
 1,2-Dichlorobenzene
 Concen: 17.661 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	173575		
111	40.0		20.4	61.2
148	62.7		32.3	96.8

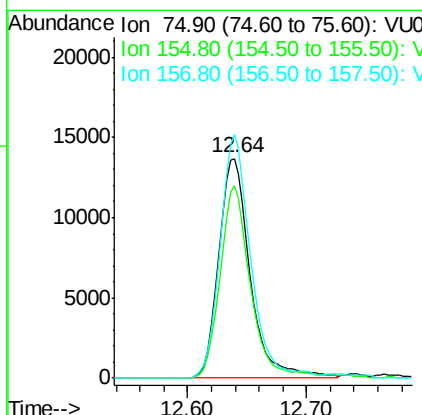
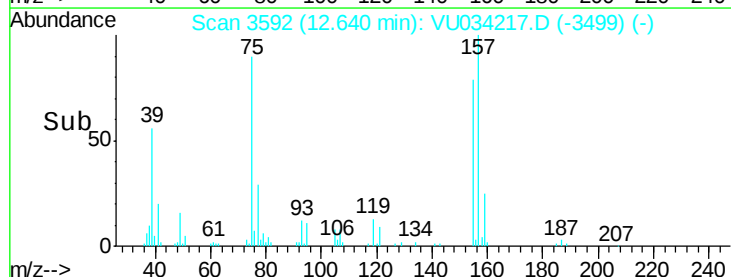
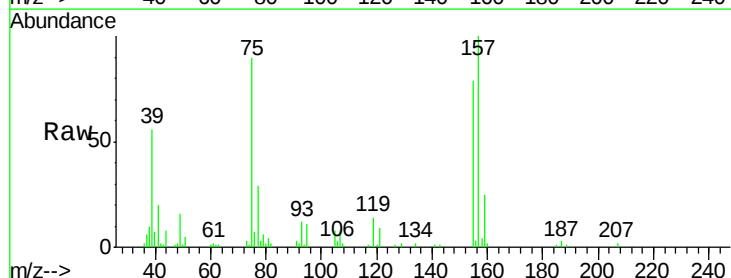
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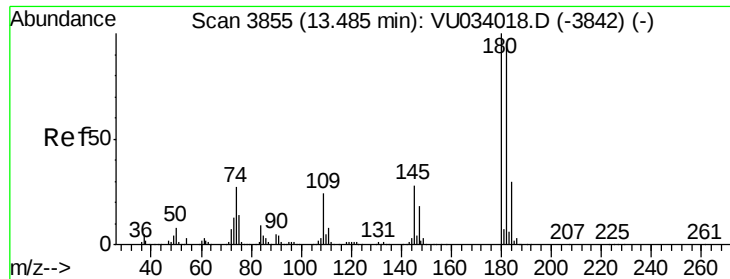
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.243 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25040		
155	84.8		43.5	130.7
157	107.3		56.9	170.6





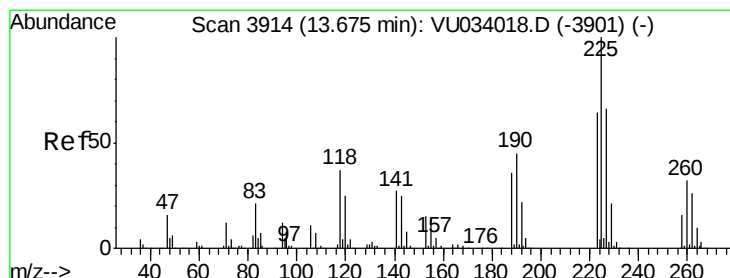
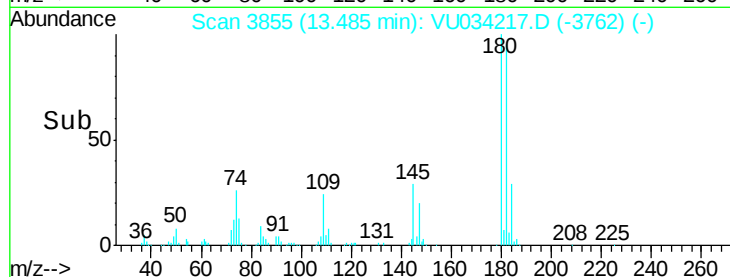
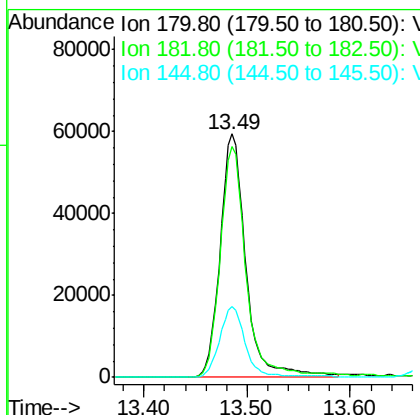
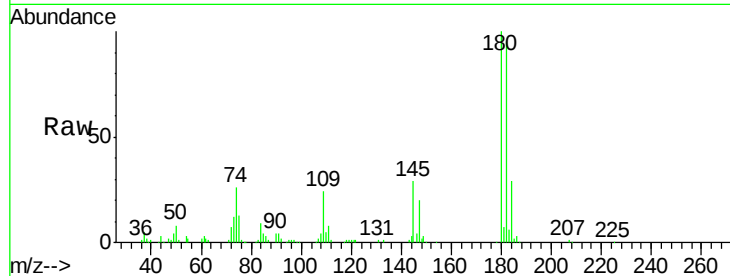
#93
 1,2,4-Trichlorobenzene
 Concen: 15.563 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103312		
182	94.2	47.4	142.2	
145	29.1	14.1	42.3	

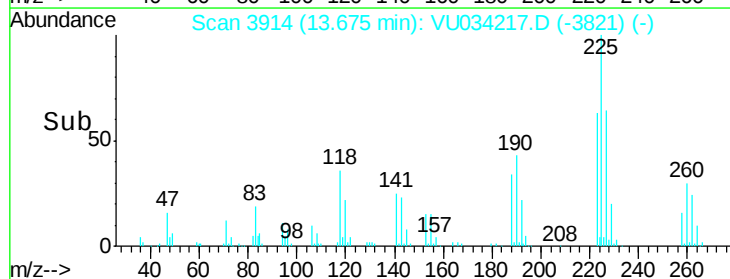
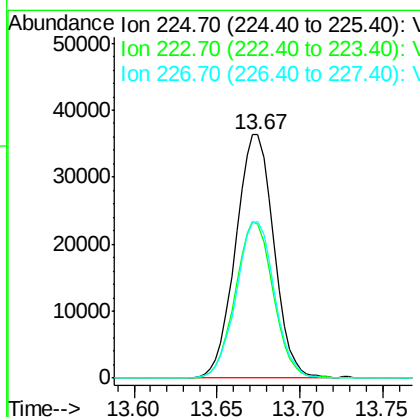
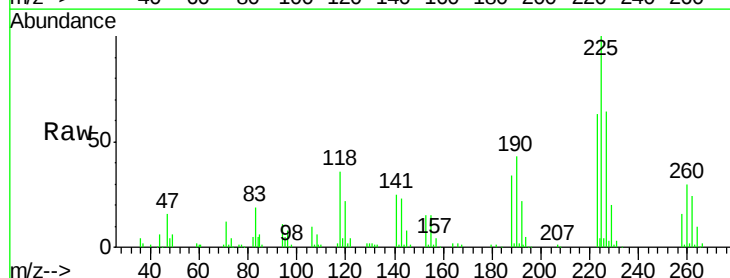
Manual Integrations
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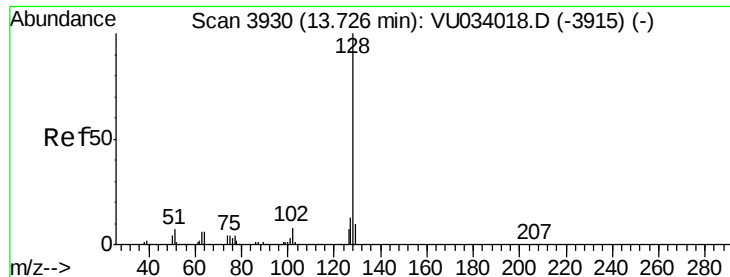
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#94
 Hexachlorobutadiene
 Concen: 15.142 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034217.D
 Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58219		
223	63.7	31.8	95.3	
227	64.3	32.6	97.8	





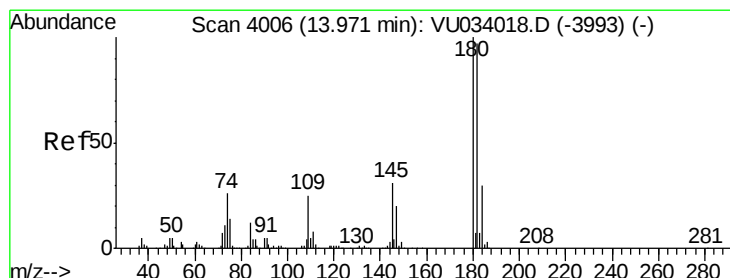
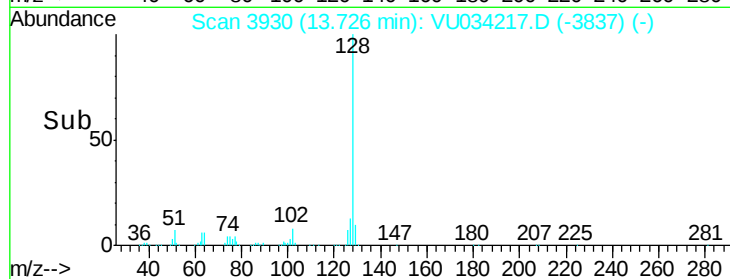
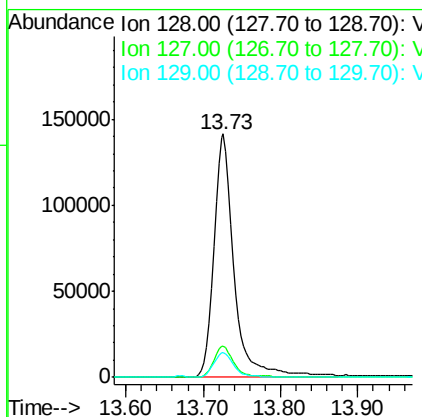
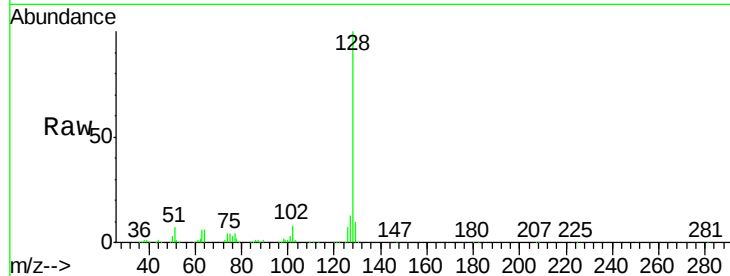
#95
Naphthalene
Concen: 14.523 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	264379		
127	12.6		10.2	15.4
129	10.1		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.600 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034217.D
Acq: 03 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104512		
182	94.0		48.2	144.6
145	29.9		15.5	46.5

