

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034066.D
 Acq On : 29 Aug 2019 16:50
 Operator : JC/SP
 Sample : VU0830WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 5:31:59 PM

Quant Time: Aug 30 05:03:25 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	424745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	681868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	653943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	261081	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	4.86	113	218063	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
50) Toluene-d8	7.55	98	844278	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.29	95	308335	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	86252	20.191	ug/l 100
3) Chloromethane	1.32	50	107336	17.454	ug/l 99
4) Vinyl Chloride	1.40	62	111720	19.650	ug/l 98
5) Bromomethane	1.62	94	55173	16.238	ug/l 96
6) Chloroethane	1.69	64	69079	19.874	ug/l 99
7) Trichlorofluoromethane	1.88	101	130726	19.844	ug/l 98
8) Diethyl Ether	2.09	74	56513	20.053	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	82324	19.726	ug/l 100
10) Methyl Iodide	2.40	142	55583	9.389	ug/l 99
11) Tert butyl alcohol	2.80	59	106242	84.651	ug/l 99
12) 1,1-Dichloroethene	2.27	96	83881	19.727	ug/l 98
13) Acrolein	2.18	56	41099	77.844	ug/l 98
14) Allyl chloride	2.58	41	155273m	19.422	ug/l
15) Acrylonitrile	2.92	53	282105	97.955	ug/l 99
16) Acetone	2.31	43	240727	86.687	ug/l 99
17) Carbon Disulfide	2.47	76	253295	18.822	ug/l 99
18) Methyl Acetate	2.60	43	135544	18.888	ug/l 98
19) Methyl tert-butyl Ether	2.98	73	279302	20.047	ug/l 99
20) Methylene Chloride	2.68	84	101197	19.250	ug/l 99
21) trans-1,2-Dichloroethene	2.97	96	91481	19.823	ug/l 99
22) Diisopropyl ether	3.55	45	300148	20.488	ug/l 94
23) Vinyl Acetate	3.50	43	1247801	99.154	ug/l 99
24) 1,1-Dichloroethane	3.43	63	176574	20.416	ug/l 99
25) 2-Butanone	4.24	43	366452	94.850	ug/l 100
26) 2,2-Dichloropropane	4.20	77	125788	17.874	ug/l 99
27) cis-1,2-Dichloroethene	4.20	96	101420	19.580	ug/l 99
28) Bromochloromethane	4.52	49	81630	19.157	ug/l 98
29) Tetrahydrofuran	4.61	42	240123	100.781	ug/l 99
30) Chloroform	4.65	83	170658	19.776	ug/l 99
31) Cyclohexane	4.97	56	155841	19.176	ug/l 98
32) 1,1,1-Trichloroethane	4.89	97	140342	19.857	ug/l 98
36) 1,1-Dichloropropene	5.12	75	123878	19.207	ug/l 99
37) Ethyl Acetate	4.36	43	134518	18.625	ug/l 99
38) Carbon Tetrachloride	5.11	117	119956	19.268	ug/l 99

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Quant Time: Aug 30 05:03:25 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)
39) Methylcyclohexane	6.40	83	140913	18.537	ug/l	97
40) Benzene	5.37	78	384526	19.706	ug/l	98
41) Methacrylonitrile	4.52	41	72655	19.615	ug/l	99
42) 1,2-Dichloroethane	5.38	62	131781	19.557	ug/l	98
43) Isopropyl Acetate	5.53	43	203751	18.543	ug/l	100
44) Trichloroethene	6.17	130	99780	19.472	ug/l	99
45) 1,2-Dichloropropane	6.41	63	105763	19.689	ug/l	100
46) Dibromomethane	6.54	93	68756	19.868	ug/l	98
47) Bromodichloromethane	6.74	83	129479	19.123	ug/l	99
48) Methyl methacrylate	6.60	41	97999	18.483	ug/l	100
49) 1,4-Dioxane	6.59	88	41622	313.303	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	710379	93.616	ug/l	99
52) Toluene	7.62	92	241077	20.055	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	136016	18.104	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	154627	18.839	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94378	18.561	ug/l	95
56) Ethyl methacrylate	8.00	69	138637	17.090	ug/l	99
57) 1,3-Dichloropropane	8.22	76	165489	19.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	256519	91.191	ug/l	100
59) 2-Hexanone	8.34	43	535932	93.556	ug/l	98
60) Dibromochloromethane	8.46	129	102248	18.733	ug/l	98
61) 1,2-Dibromoethane	8.57	107	101143	18.883	ug/l	99
64) Tetrachloroethene	8.21	164	88270	20.099	ug/l	99
65) Chlorobenzene	9.10	112	258548	19.212	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	92465	18.948	ug/l	98
67) Ethyl Benzene	9.23	91	437657	19.185	ug/l	100
68) m/p-Xylenes	9.36	106	334598	38.574	ug/l	99
69) o-Xylene	9.76	106	159243	19.135	ug/l	99
70) Styrene	9.77	104	276346	19.367	ug/l	99
71) Bromoform	9.94	173	75921	17.907	ug/l #	98
73) Isopropylbenzene	10.15	105	430101	18.261	ug/l	100
74) N-amyl acetate	10.00	43	175090	17.675	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	161847	17.953	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	139701m	17.677	ug/l	
77) Bromobenzene	10.43	156	114693	18.102	ug/l	99
78) n-propylbenzene	10.57	91	503318	18.349	ug/l	99
79) 2-Chlorotoluene	10.64	91	305541	18.571	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	375436	18.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	38706m	16.491	ug/l	
82) 4-Chlorotoluene	10.76	91	350195	18.507	ug/l	100
83) tert-Butylbenzene	11.08	119	349486	17.784	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	371211	18.726	ug/l	99
85) sec-Butylbenzene	11.31	105	430924	18.295	ug/l	100
86) p-Isopropyltoluene	11.46	119	396274	18.602	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	209145	18.646	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	208921	18.417	ug/l	98
89) n-Butylbenzene	11.87	91	344766	18.357	ug/l	99
90) Hexachloroethane	12.13	117	58277	15.823	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	201682	18.770	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31196	17.370	ug/l	97

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ClientSampleId :
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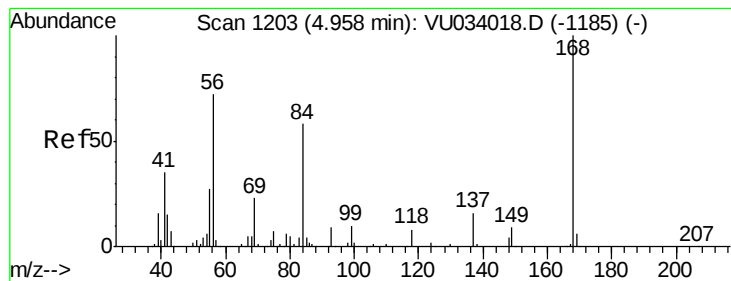
Manual Integrations
APPROVED

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9/3/2019 5:31:59 PM

Quant Time: Aug 30 05:03:25 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)
93) 1,2,4-Trichlorobenzene	13.49	180	127943	17.481	ug/l	99
94) Hexachlorobutadiene	13.67	225	72525	17.254	ug/l	98
95) Naphthalene	13.73	128	334662	16.533	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	127415	18.511	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: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion:168 Resp: 424745

Ion Ratio Lower Upper

168 100

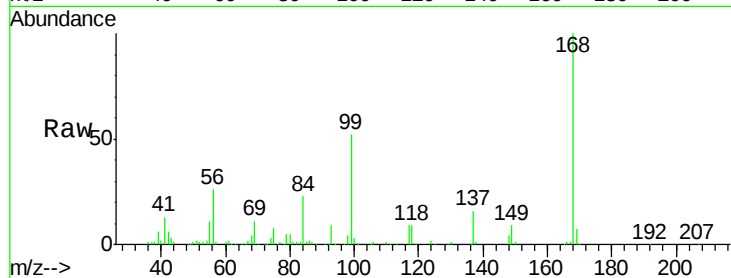
99 51.8 42.3 63.5

Manual Integrations

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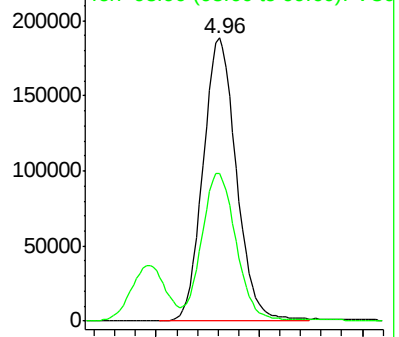
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9/3/2019 5:31:59 PM

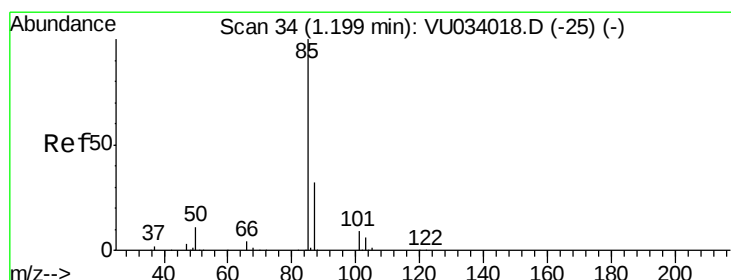
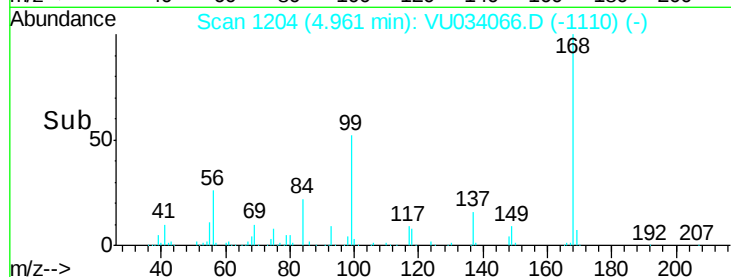


Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



Time-->



#2

Dichlorodifluoromethane

Concen: 20.191 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034066.D

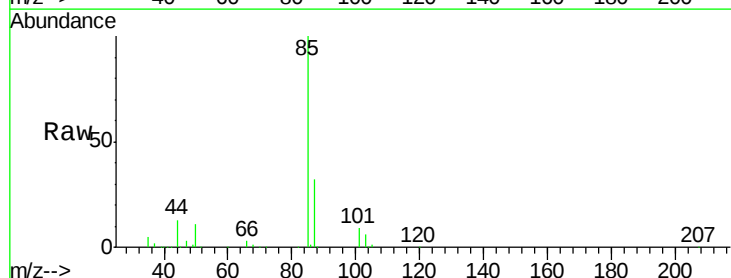
Acq: 29 Aug 2019 16:50

Tgt Ion: 85 Resp: 86252

Ion Ratio Lower Upper

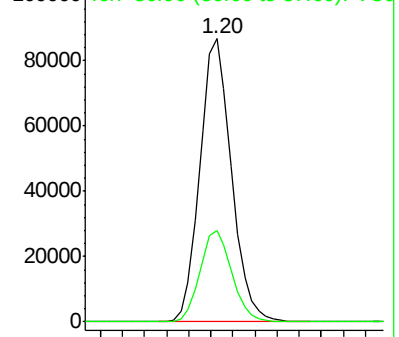
85 100

87 32.4 16.1 48.3

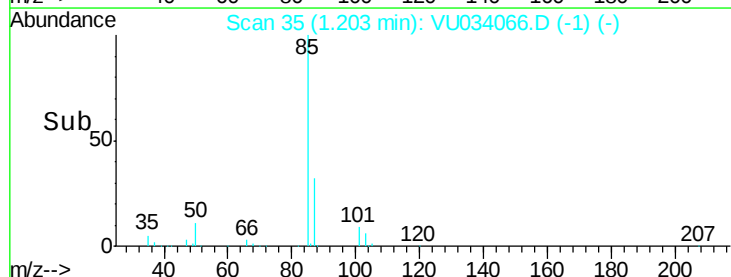


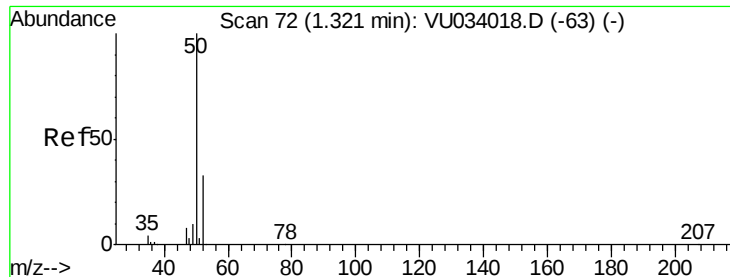
Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0



Time-->





#3

Chloromethane

Concen: 17.454 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 50 Resp: 107336

Ion Ratio Lower Upper

50 100

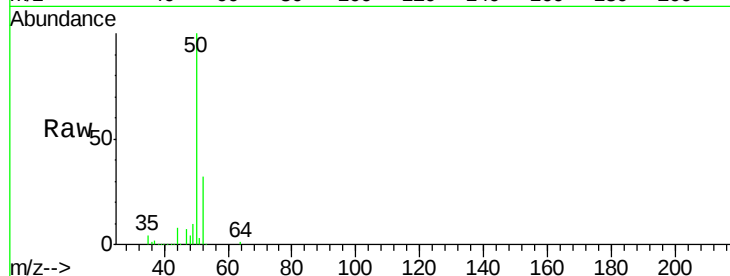
52 32.3 26.2 39.4

Manual Integrations

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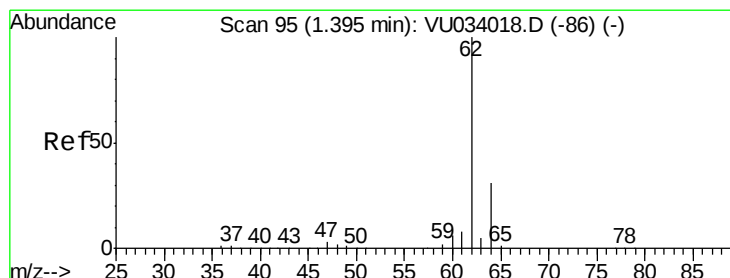
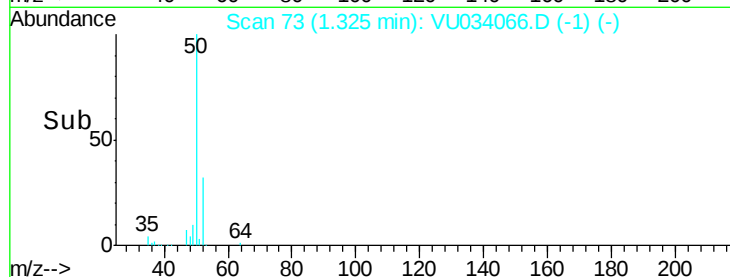
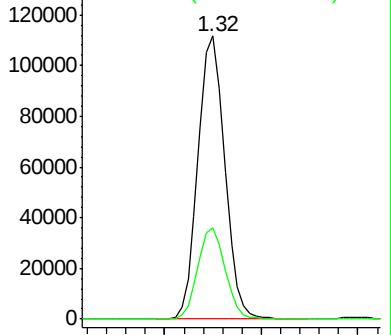
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.650 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034066.D

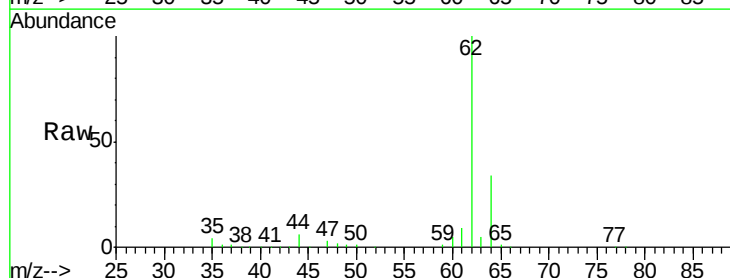
Acq: 29 Aug 2019 16:50

Tgt Ion: 62 Resp: 111720

Ion Ratio Lower Upper

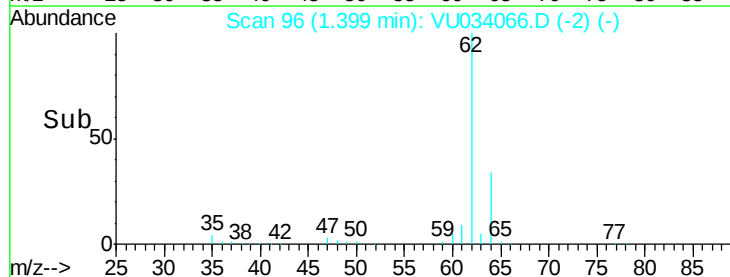
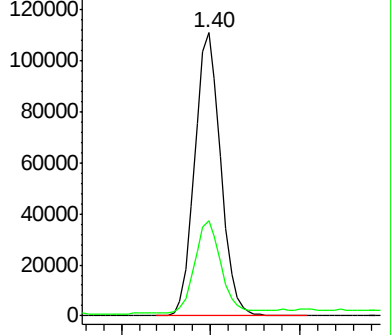
62 100

64 32.4 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: 16.238 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 94 Resp: 55173

Ion Ratio Lower Upper

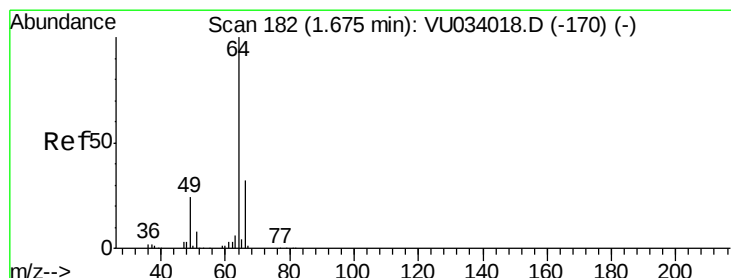
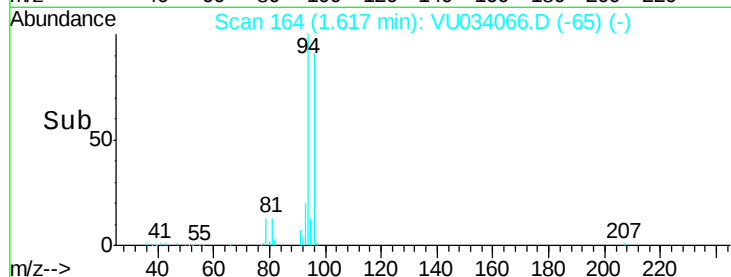
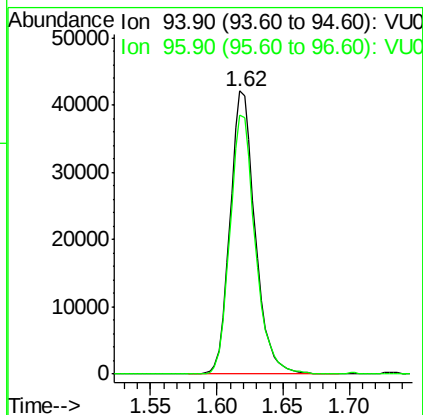
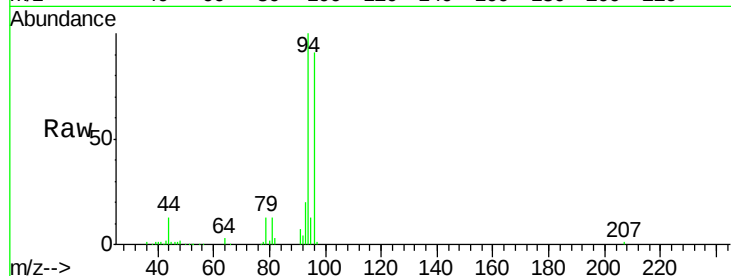
94 100

96 91.3 76.3 114.5

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 19.874 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034066.D

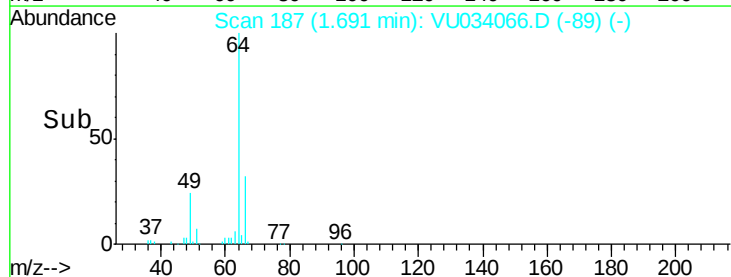
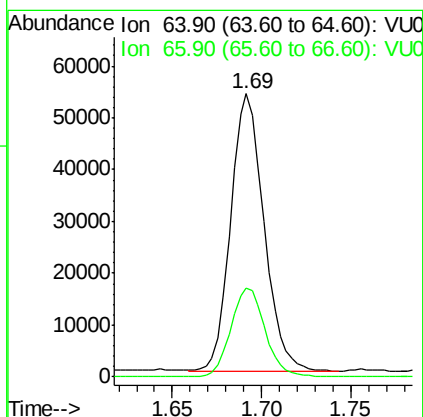
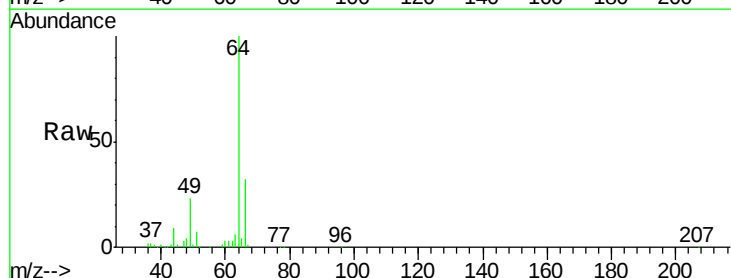
Acq: 29 Aug 2019 16:50

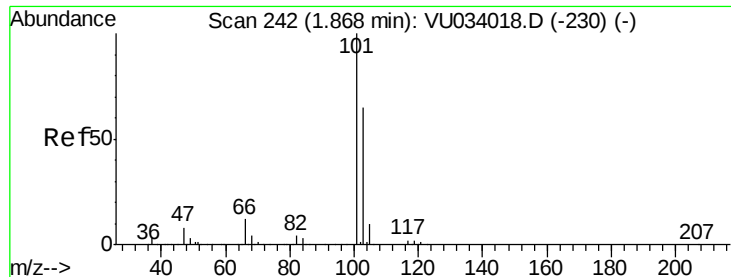
Tgt Ion: 64 Resp: 69079

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

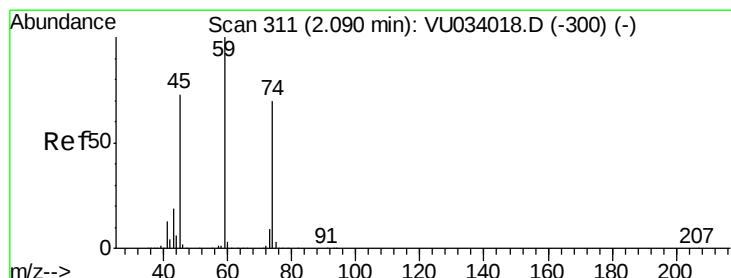
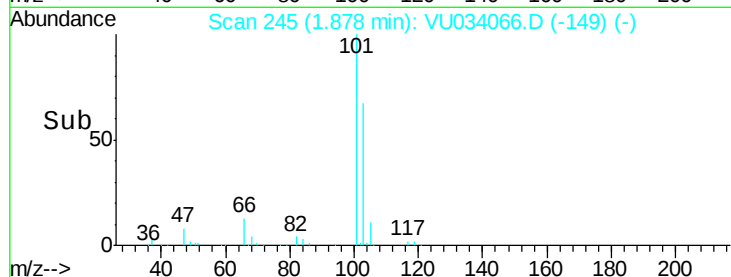
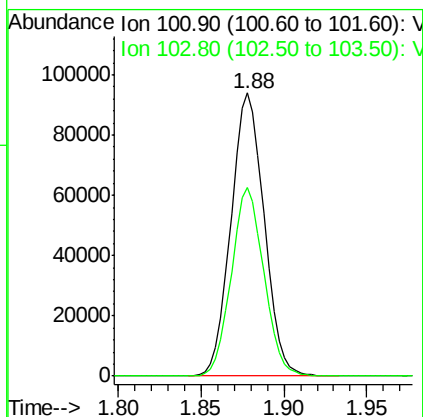
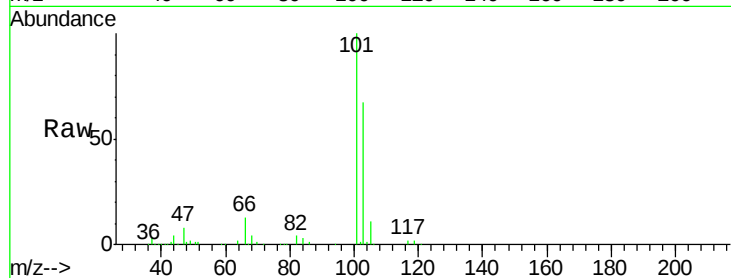
Trichlorofluoromethane
 Concen: 19.844 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
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 VU0830WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.1	78.1

Manual Integrations
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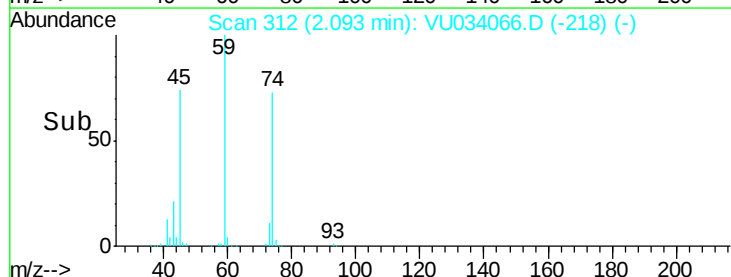
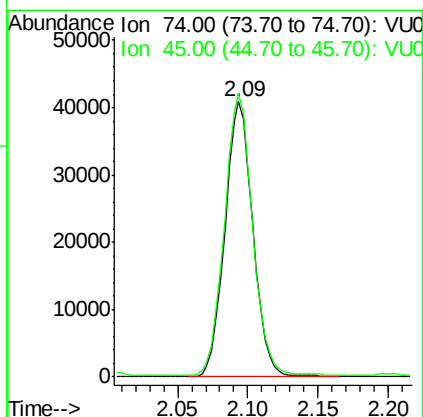
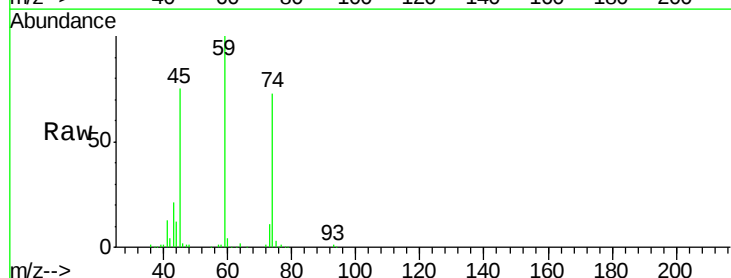
MMDadoda
 9/3/2019 5:31:59 PM

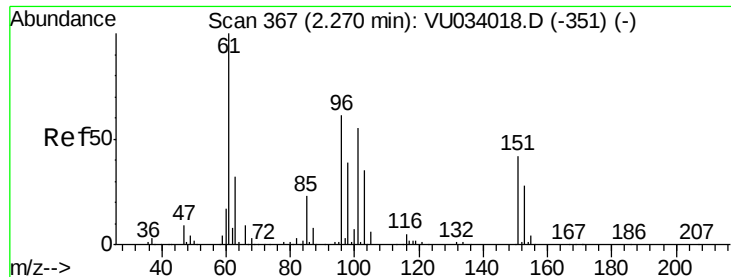


#8

Diethyl Ether
 Concen: 20.053 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.726 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

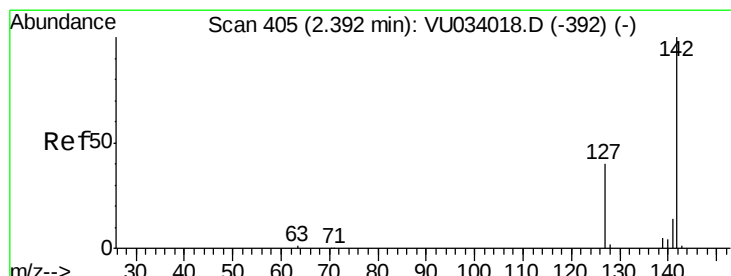
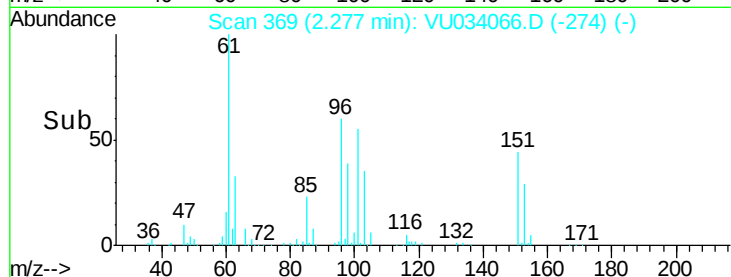
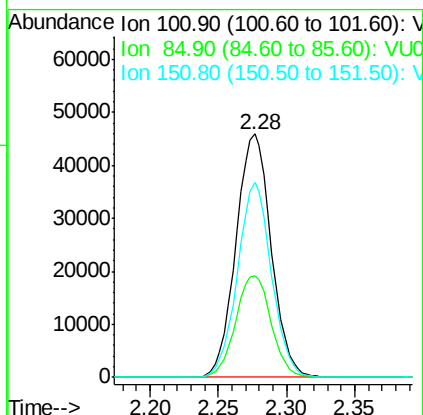
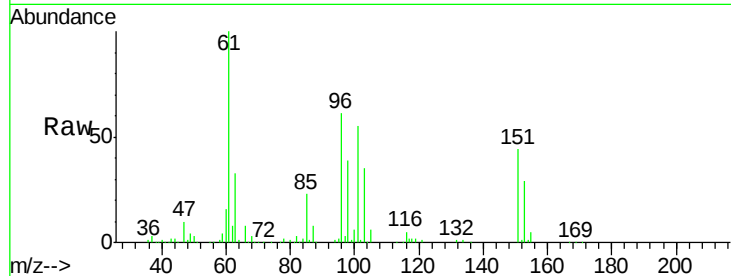
ClientSampleId :

VU0830WBS01

Tot Ion:	101	Resp:	82324
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	77.0	61.4	92.2

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#10

Methyl Iodide

Concen: 9.389 ug/l

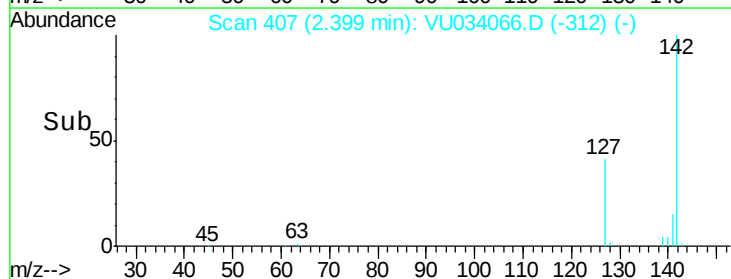
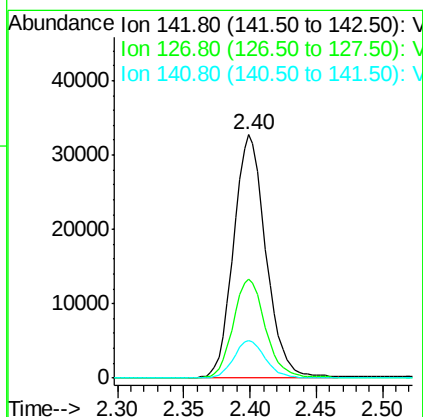
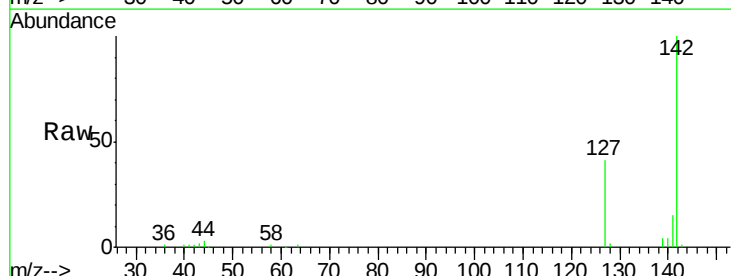
RT: 2.40 min Scan# 407

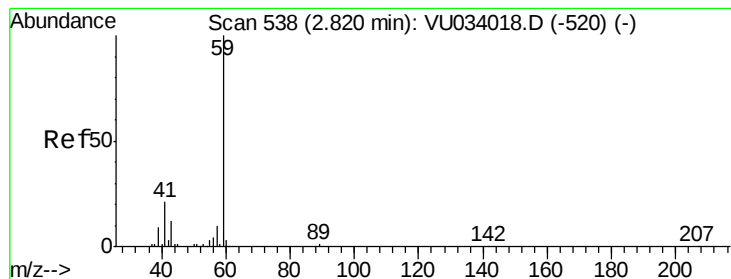
Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	142	Resp:	55583
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.6	48.8
141	15.0	11.3	16.9





#11

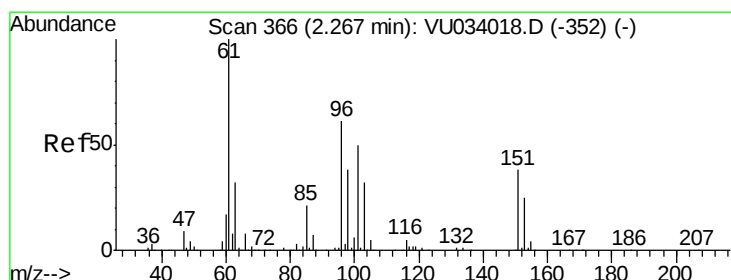
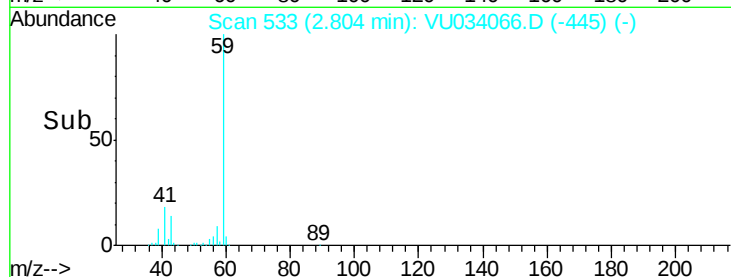
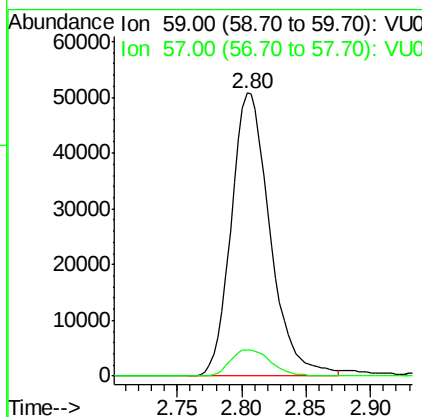
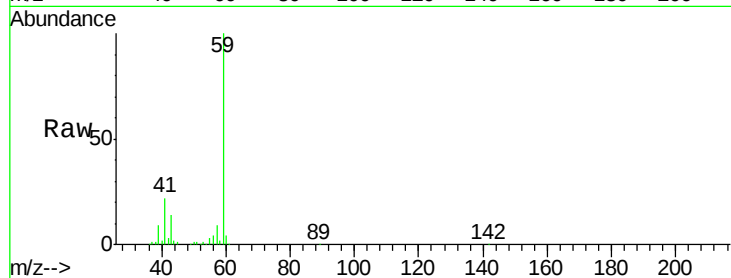
Tert butyl alcohol
 Concen: 84.651 ug/l
 RT: 2.80 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

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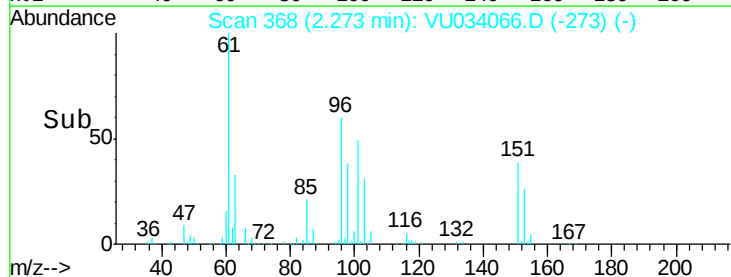
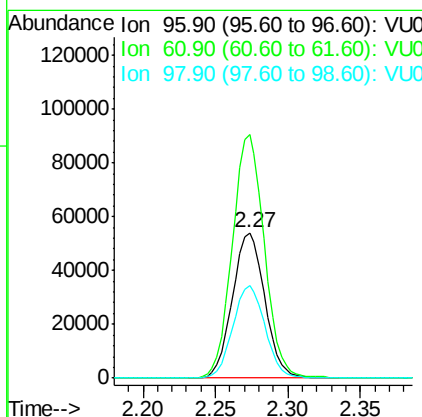
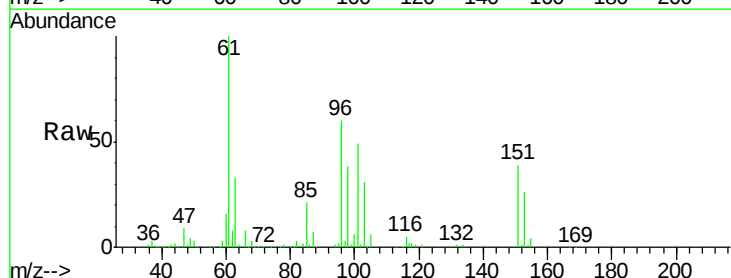
MMDadoda
 9/3/2019 5:31:59 PM

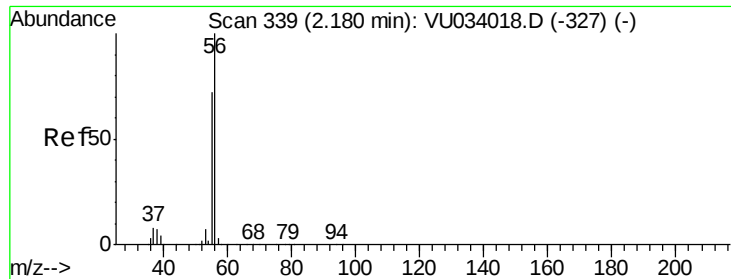


#12

1,1-Dichloroethene
 Concen: 19.727 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	131.3	196.9
98	63.4	50.3	75.5





#13

Acrolein

Concen: 77.844 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 56 Resp: 41099

Ion Ratio Lower Upper

56 100

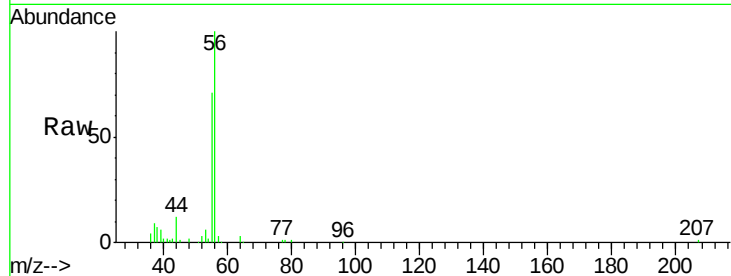
55 69.4 57.1 85.7

Manual Integrations

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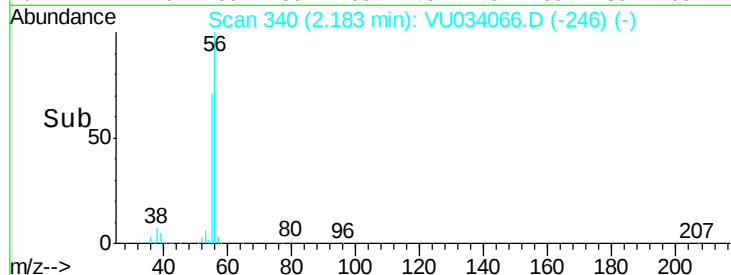


Abundance Ion 56.00 (55.70 to 56.70): VU034066.D (-246) (-)

Ion 55.00 (54.70 to 55.70): VU034066.D (-246) (-)

2.18

Time-->



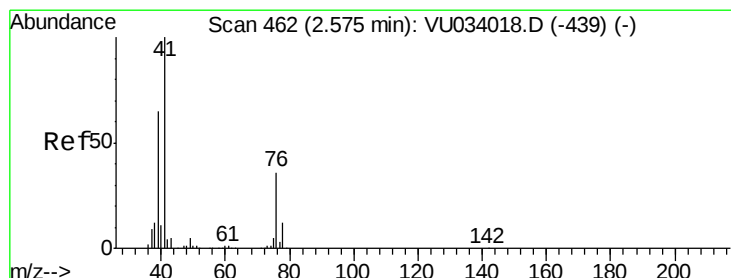
Abundance

Ion 56.00 (55.70 to 56.70): VU034066.D (-246) (-)

Ion 55.00 (54.70 to 55.70): VU034066.D (-246) (-)

2.18

Time-->



#14

Allyl chloride

Concen: 19.422 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

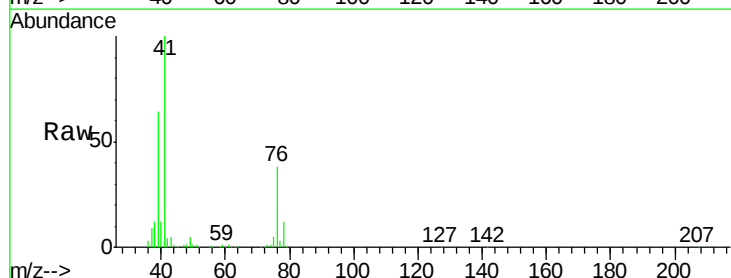
Tgt Ion: 41 Resp: 155273

Ion Ratio Lower Upper

41 100

39 56.8 46.8 70.2

76 32.6 26.6 40.0



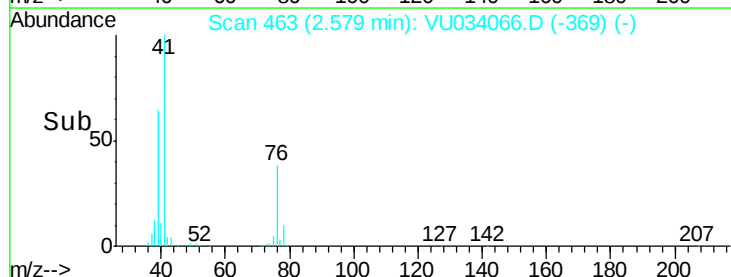
Abundance Ion 41.00 (40.70 to 41.70): VU034066.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU034066.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034066.D (-369) (-)

2.58

Time-->



Abundance

Ion 41.00 (40.70 to 41.70): VU034066.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU034066.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034066.D (-369) (-)

2.58

Time-->



#15

Acrylonitrile

Concen: 97.955 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

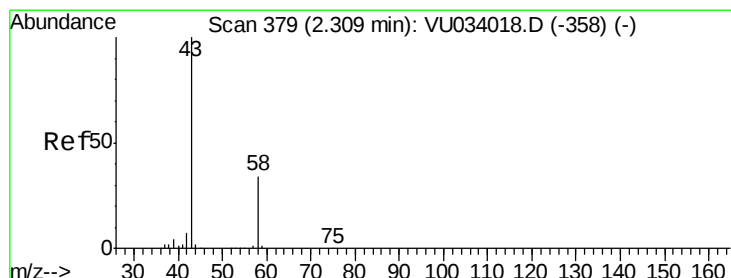
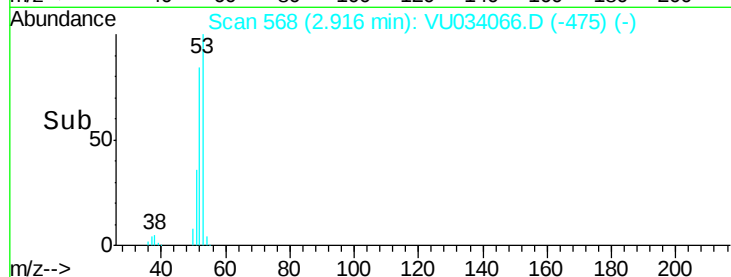
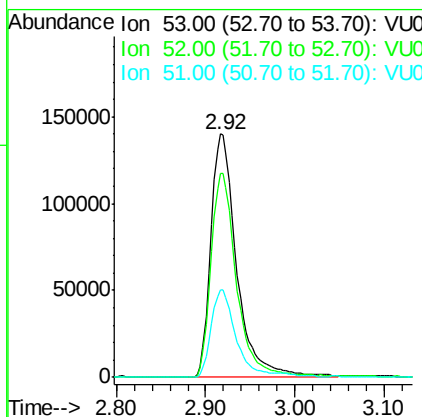
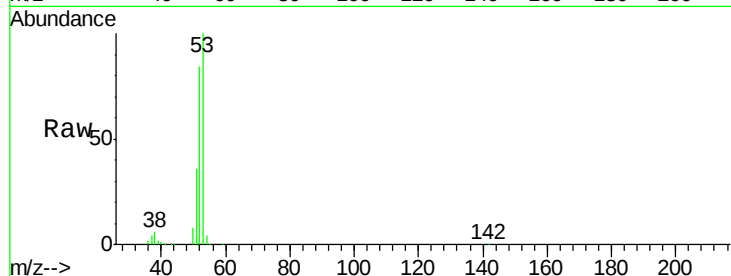
ClientSampleId :

VU0830WBS01

Tot Ion:	53	Resp:	282105
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.7	98.5
51	34.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 86.687 ug/l

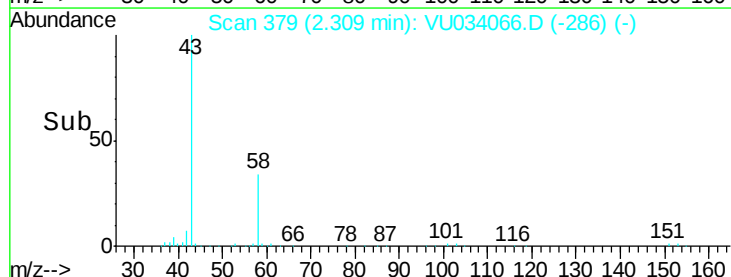
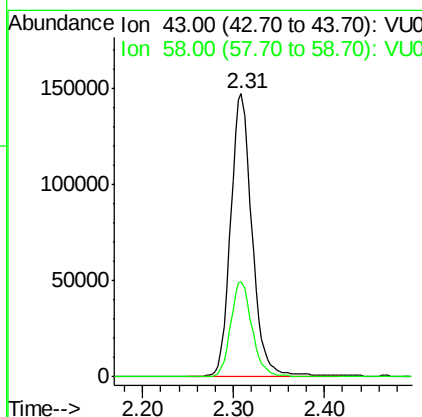
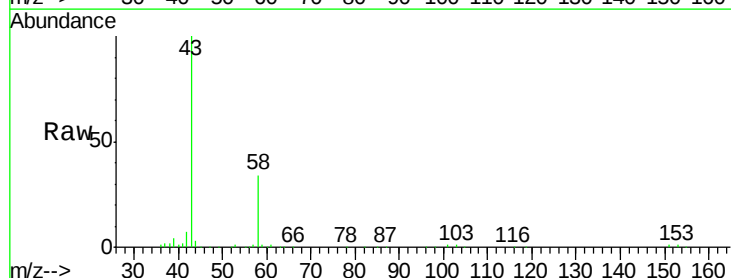
RT: 2.31 min Scan# 379

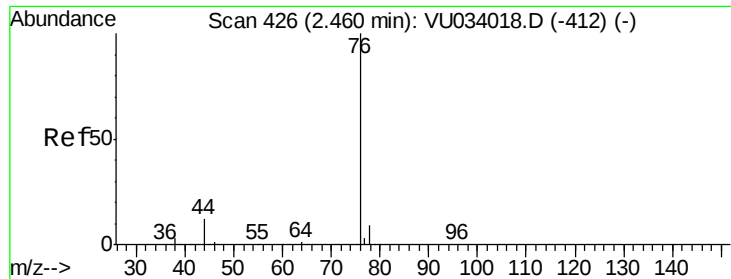
Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	43	Resp:	240727
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.8	40.2





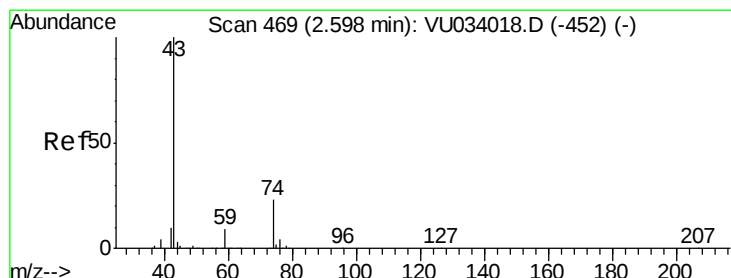
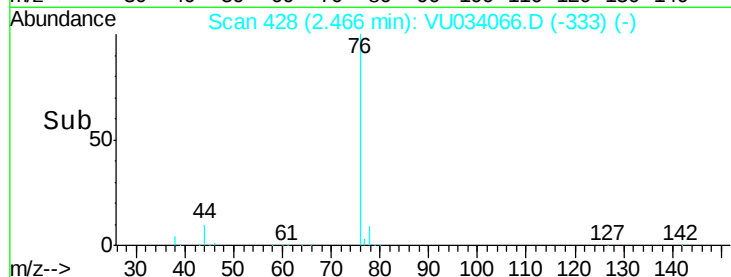
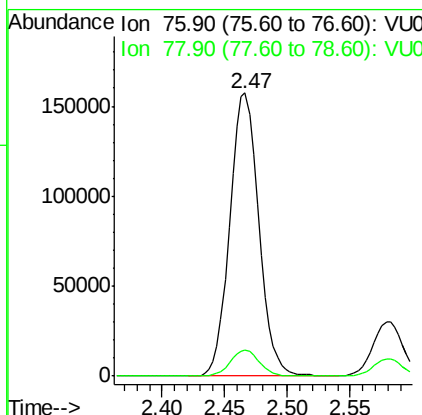
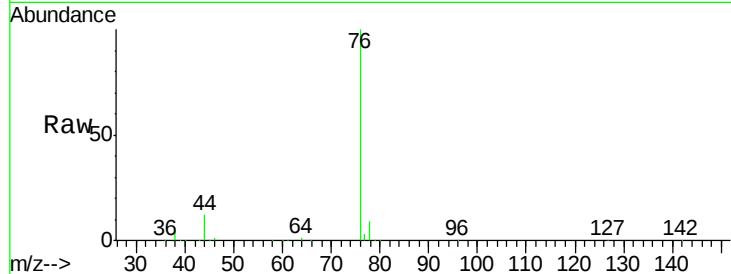
#17
Carbon Disulfide
Concen: 18.822 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

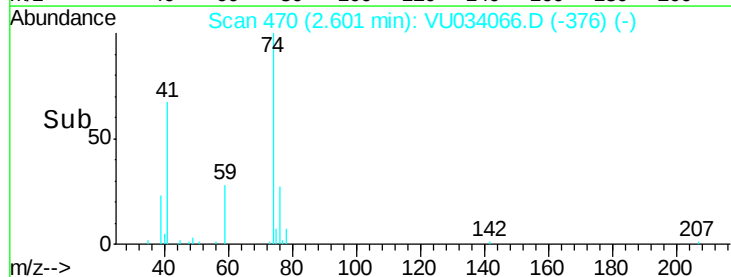
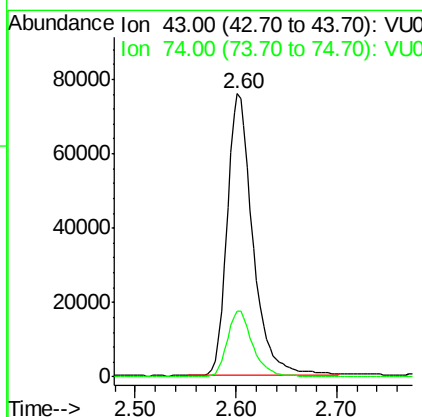
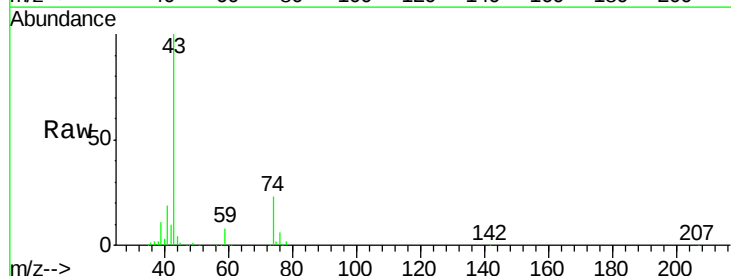
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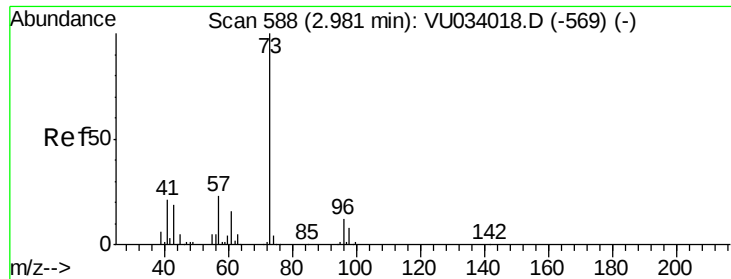
MMDadoda
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#18
Methyl Acetate
Concen: 18.888 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.2	28.8





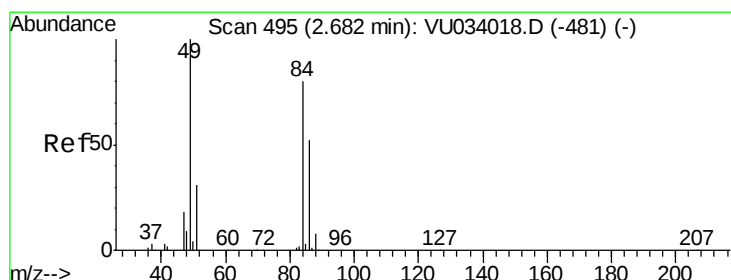
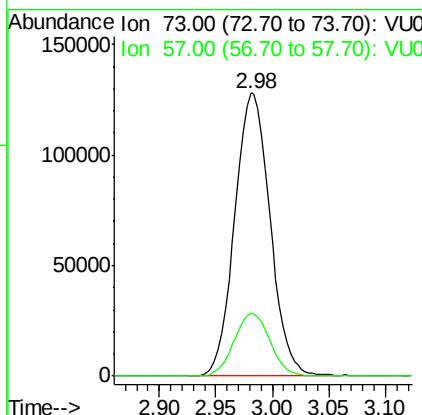
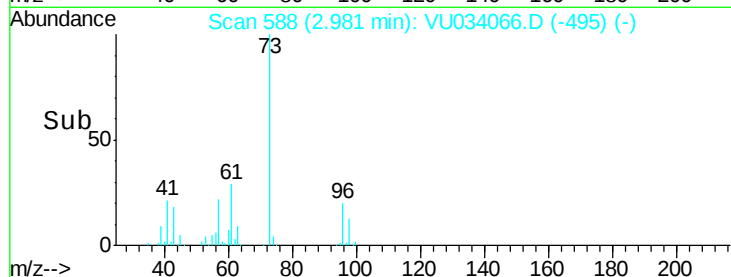
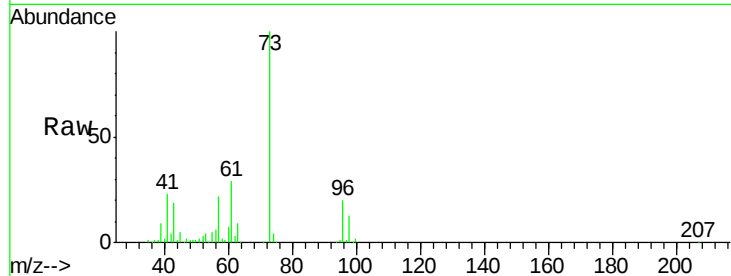
#19
Methvl tert-butvl Ether
Concen: 20.047 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampled :
VU0830WBS01

Tot Ion: 73 Resp: 279302
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

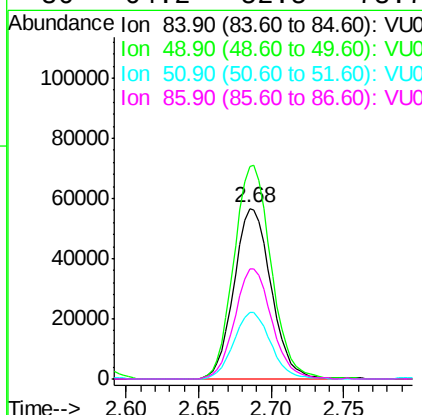
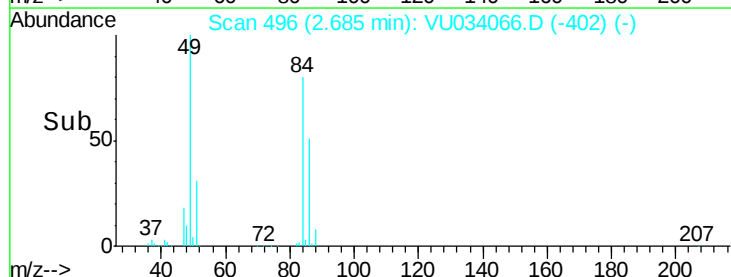
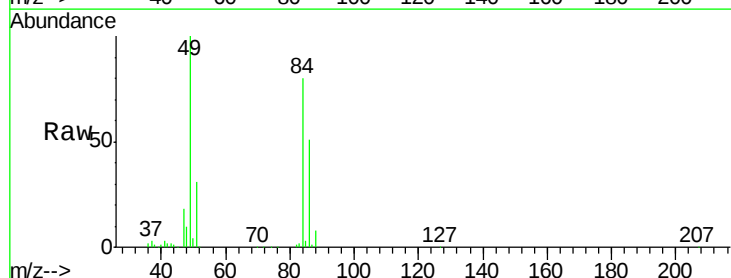
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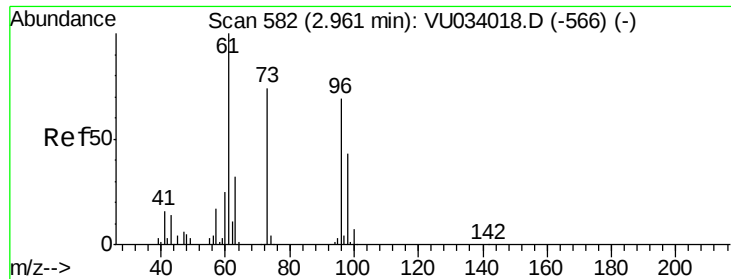
MMDadoda
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#20
Methylene Chloride
Concen: 19.250 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion: 84 Resp: 101197
Ion Ratio Lower Upper
84 100
49 124.8 100.2 150.4
51 39.2 30.8 46.2
86 64.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.823 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

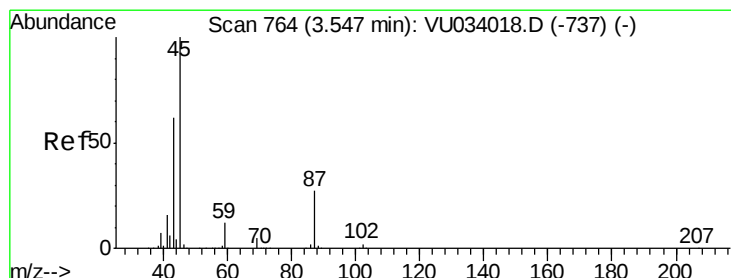
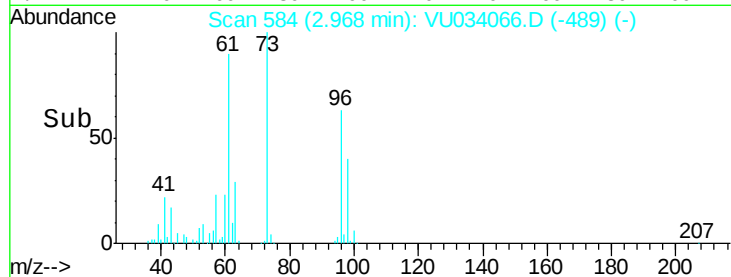
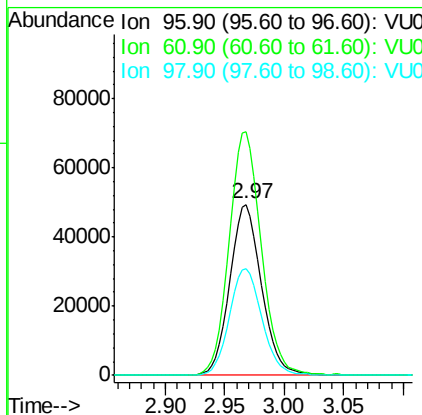
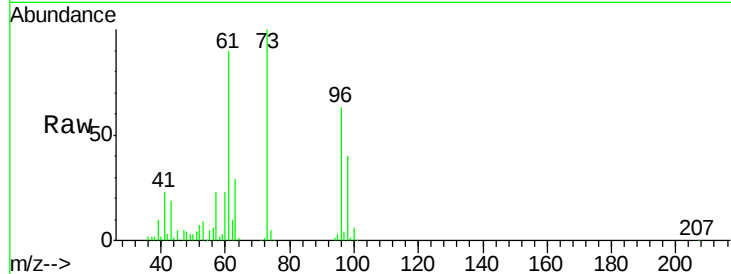
ClientSampleId :

VU0830WBS01

Tot Ion:	96	Resp:	91481
Ion	Ratio	Lower	Upper
96	100		
61	142.5	115.5	173.3
98	62.8	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.488 ug/l

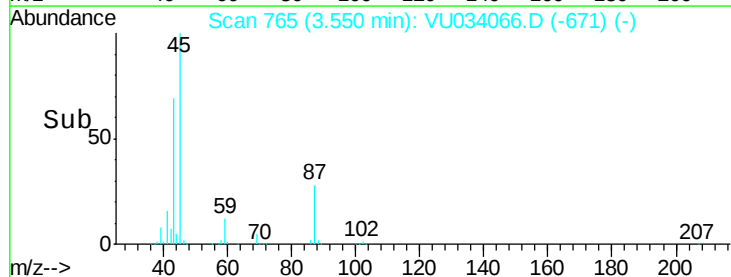
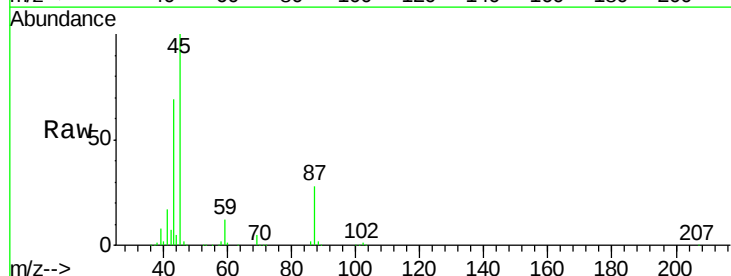
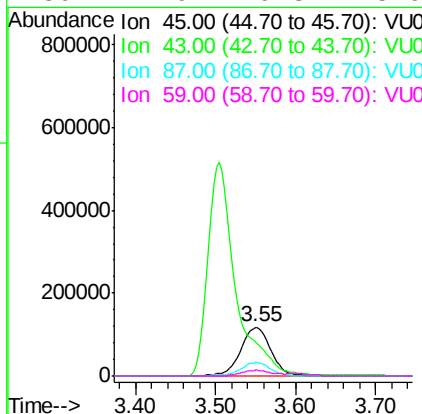
RT: 3.55 min Scan# 765

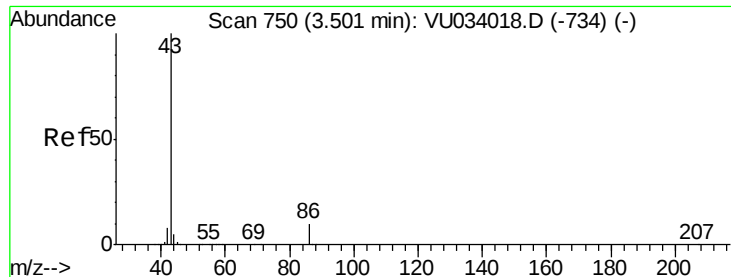
Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	45	Resp:	300148
Ion	Ratio	Lower	Upper
45	100		
43	69.1	49.7	74.5
87	27.8	21.8	32.8
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 99.154 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 43 Resp: 1247801

Ion Ratio Lower Upper

43 100

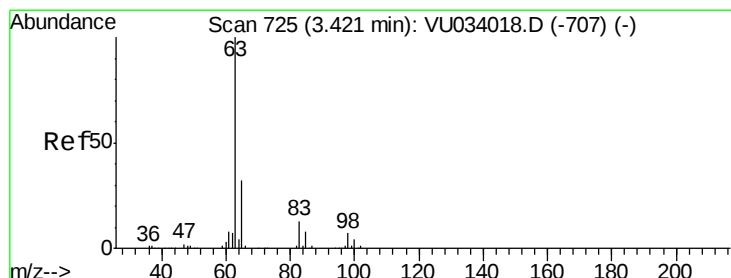
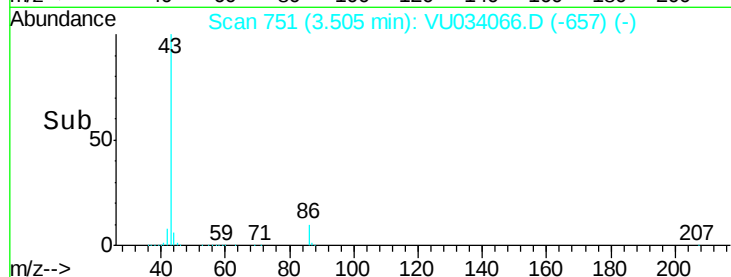
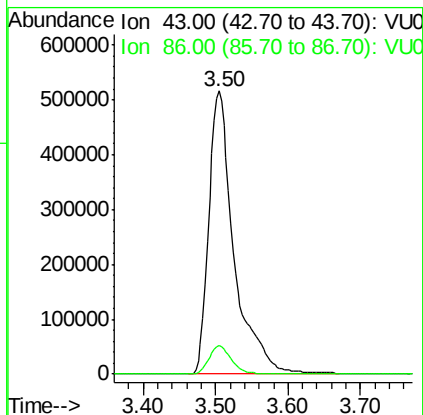
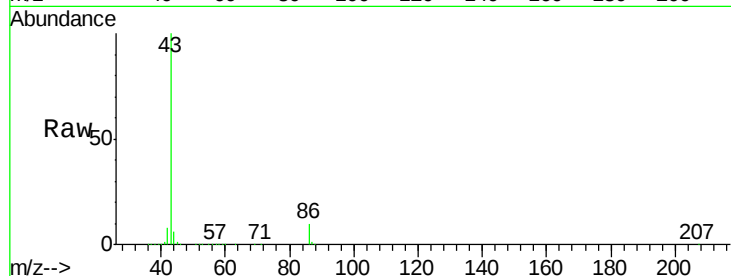
86 10.0 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.416 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

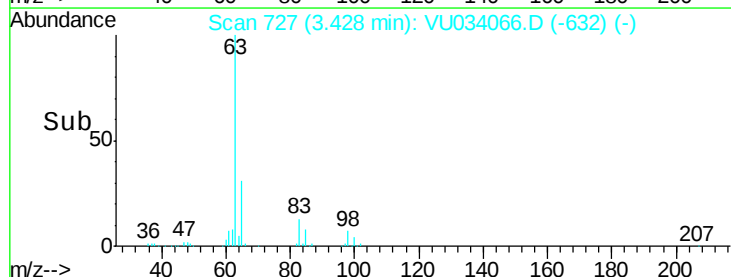
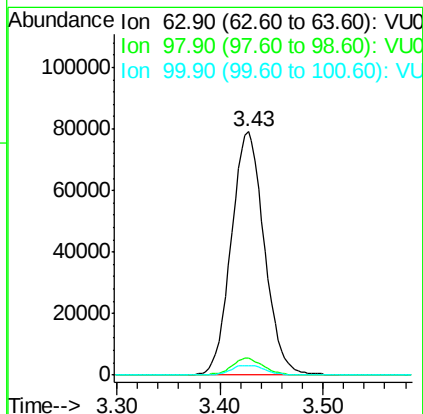
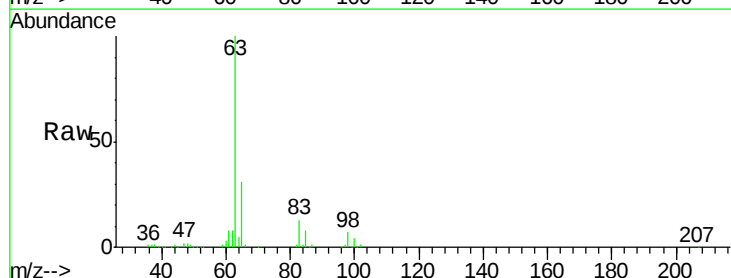
Tgt Ion: 63 Resp: 176574

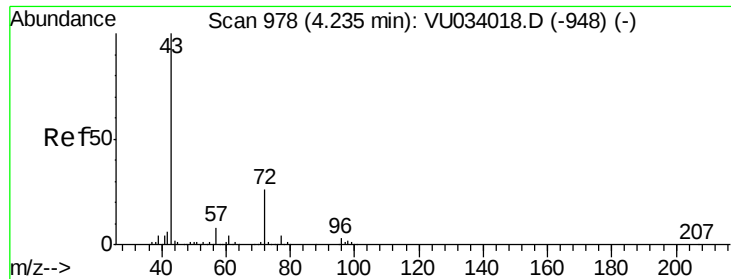
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 94.850 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 43 Resp: 366452

Ion Ratio Lower Upper

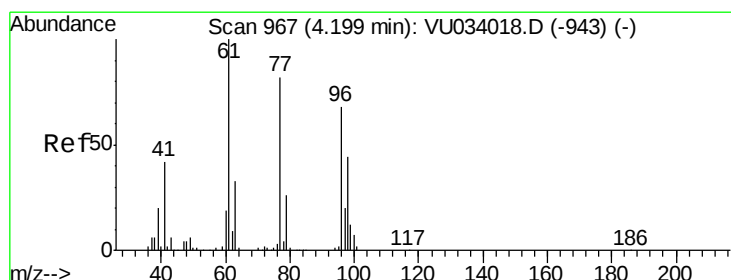
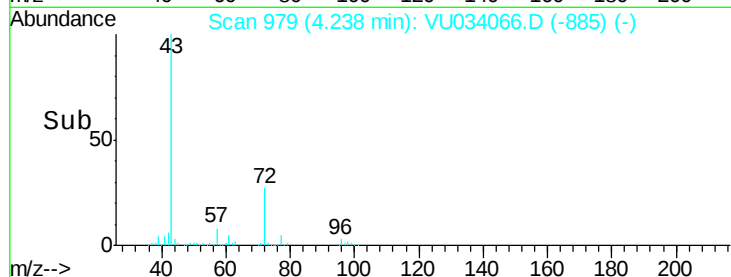
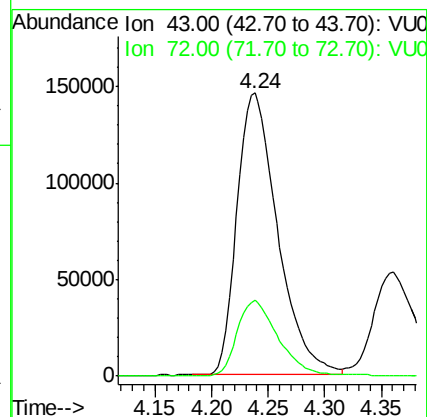
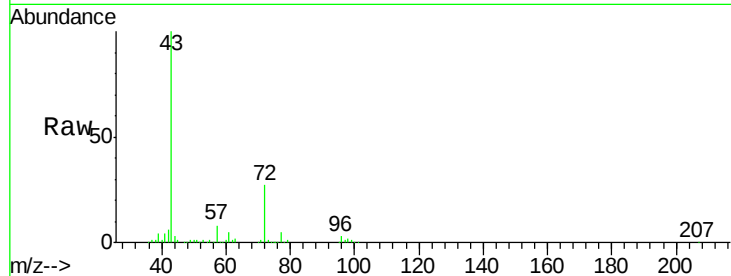
43 100

72 26.6 21.2 31.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 17.874 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034066.D

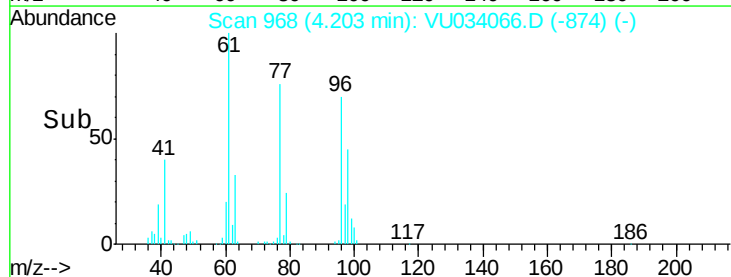
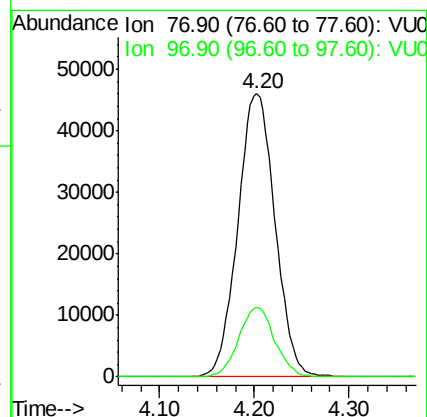
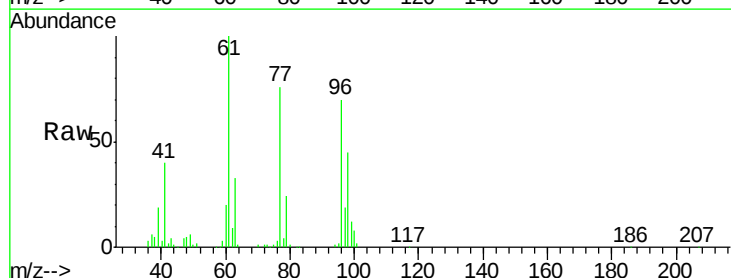
Acq: 29 Aug 2019 16:50

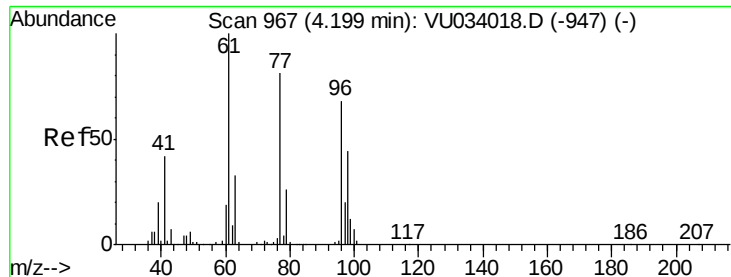
Tgt Ion: 77 Resp: 125788

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.7





#27

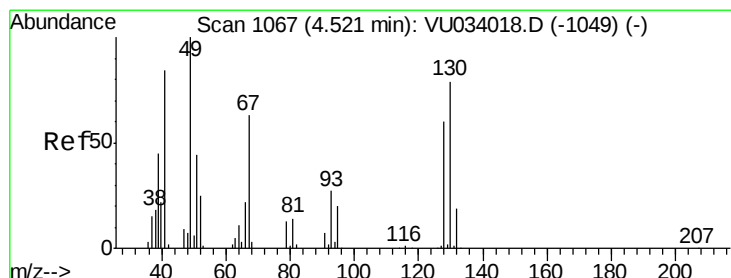
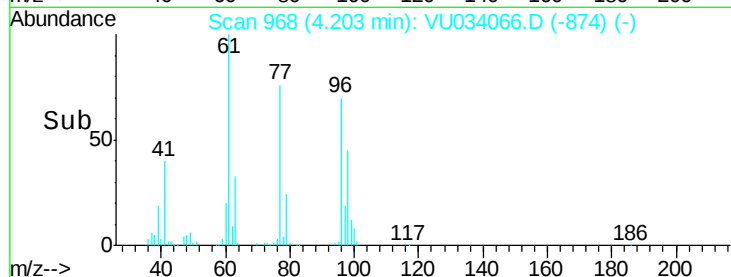
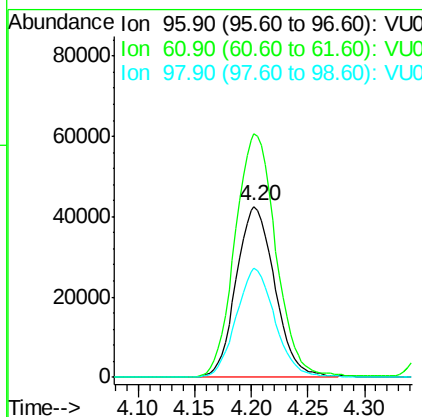
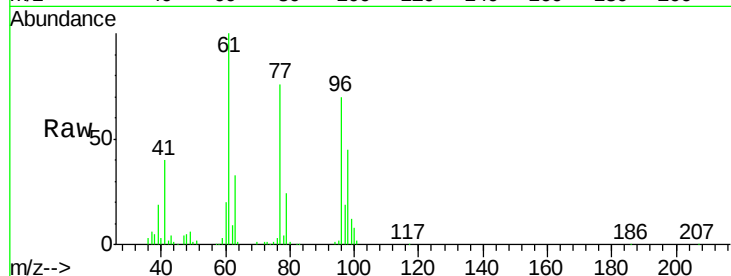
cis-1,2-Dichloroethene
 Concen: 19.580 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	0.0	303.0
98	63.8	0.0	129.2

Manual Integrations
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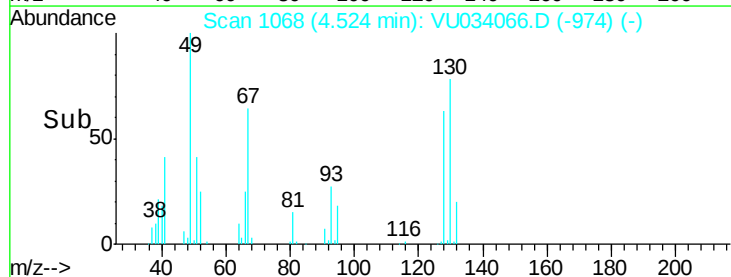
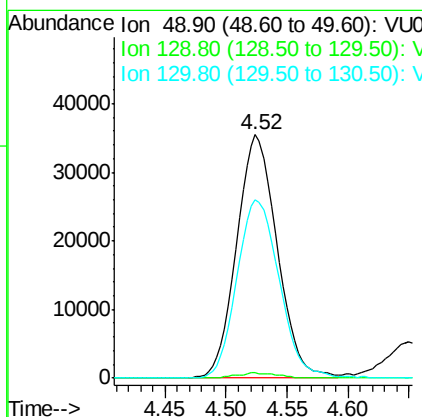
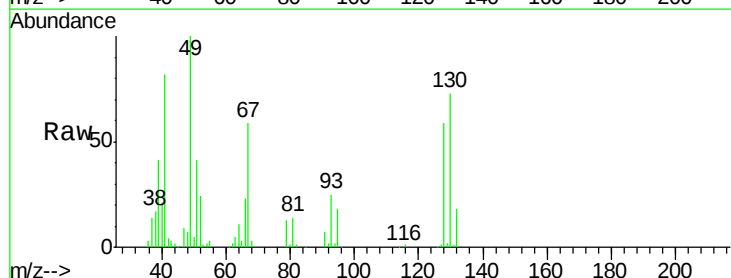
MMDadoda
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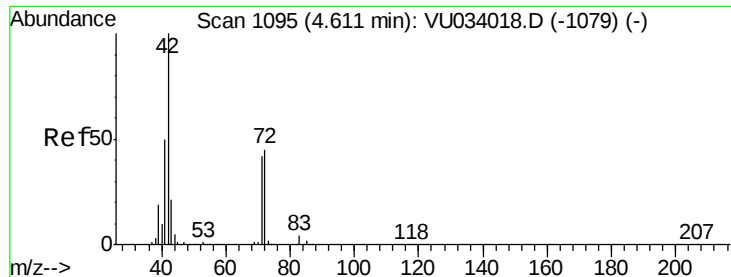


#28

Bromochloromethane
 Concen: 19.157 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	76.8	62.8	94.2





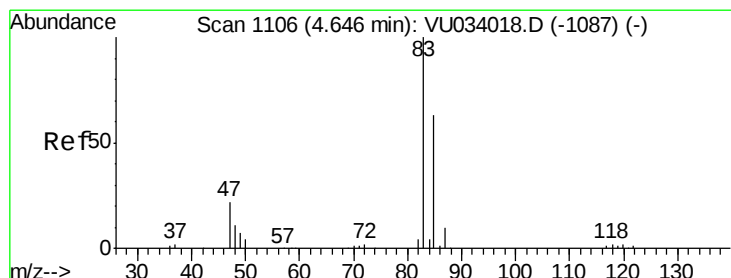
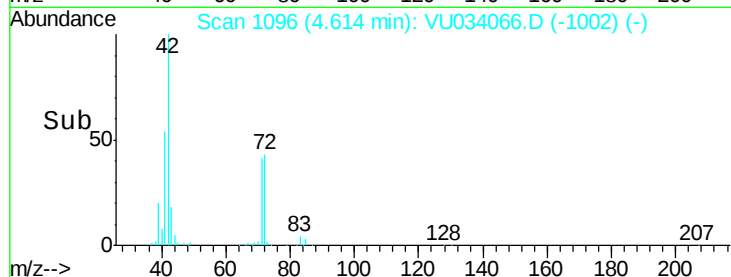
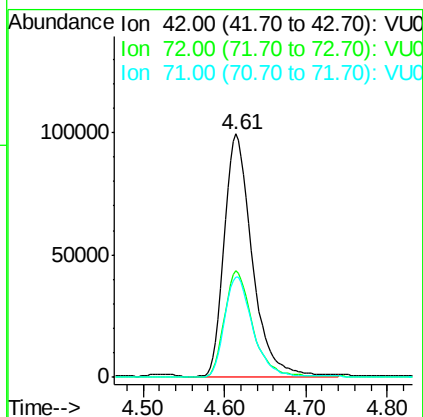
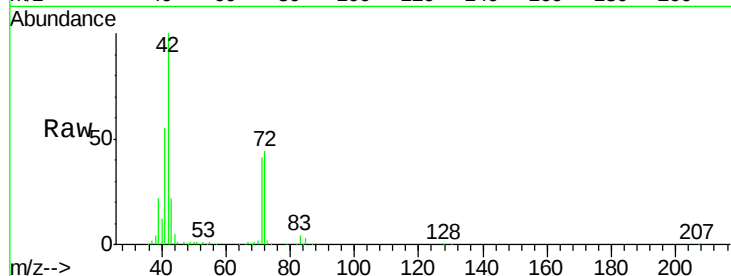
#29
Tetrahydrofuran
Concen: 100.781 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.8	53.6
71	41.6	34.0	51.0

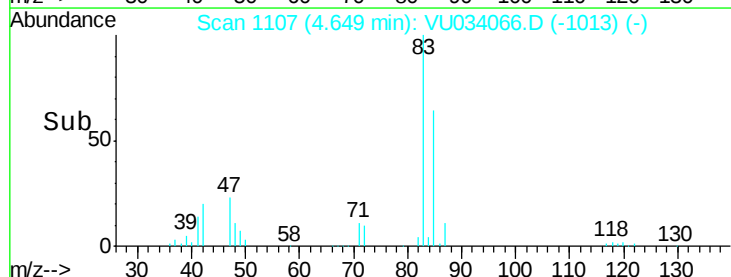
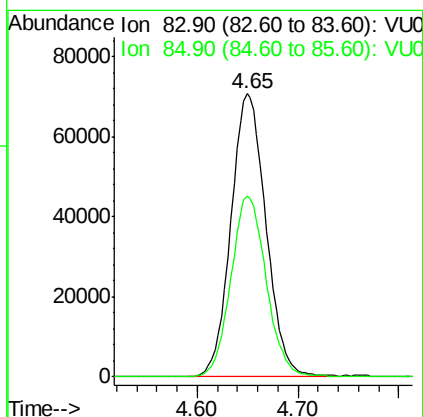
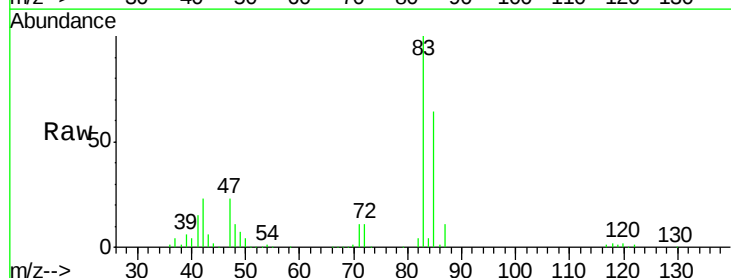
Manual Integrations
APPROVED

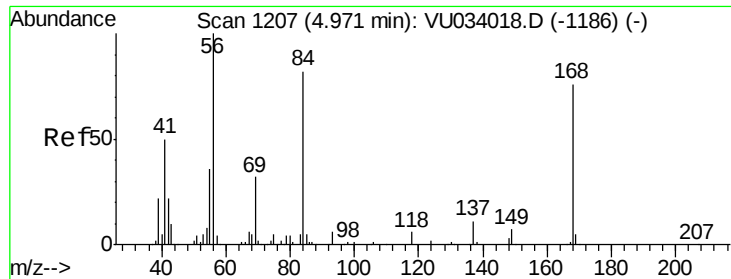
MMDadoda
9/3/2019 5:31:59 PM



#30
Chloroform
Concen: 19.776 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1





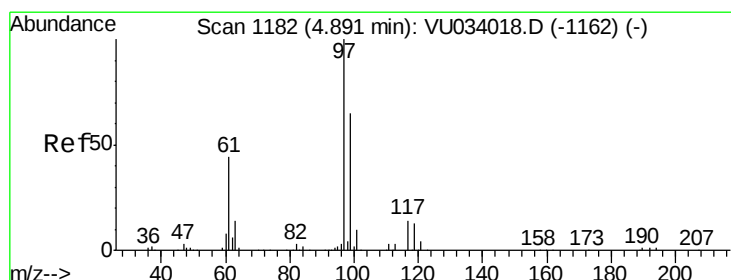
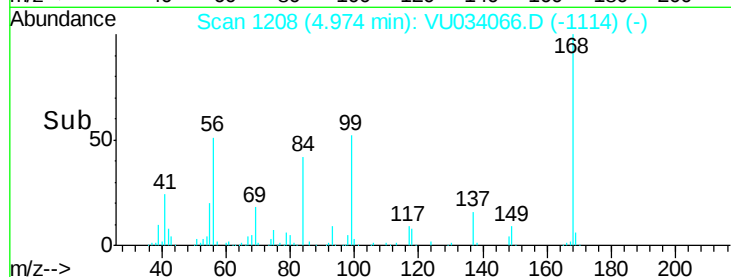
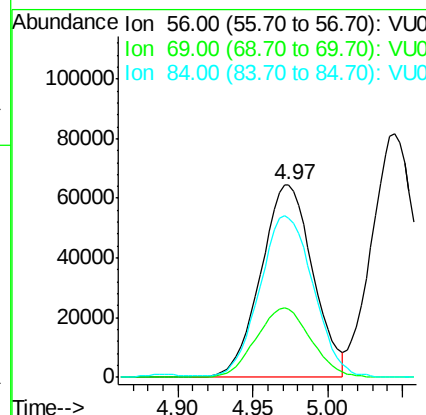
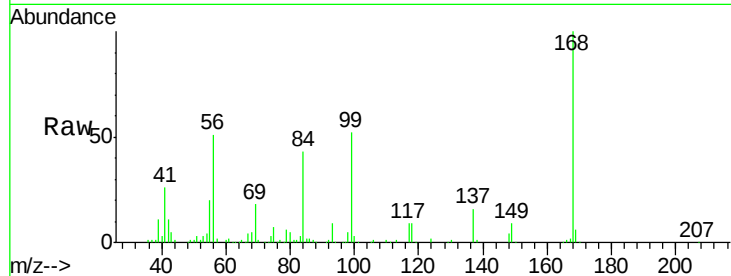
#31
Cyclohexane
Concen: 19.176 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.4	38.0
84	82.0	65.8	98.8

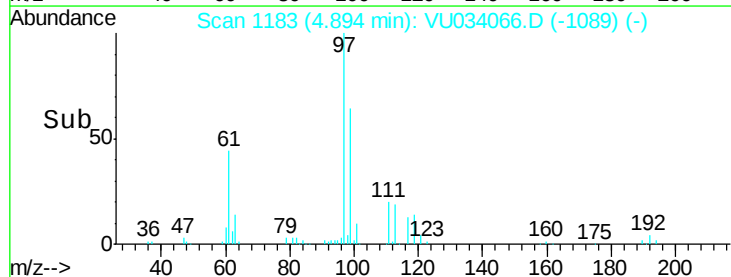
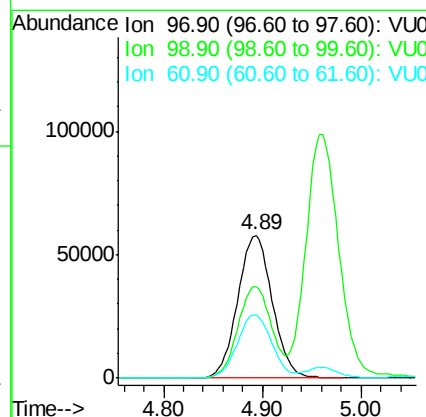
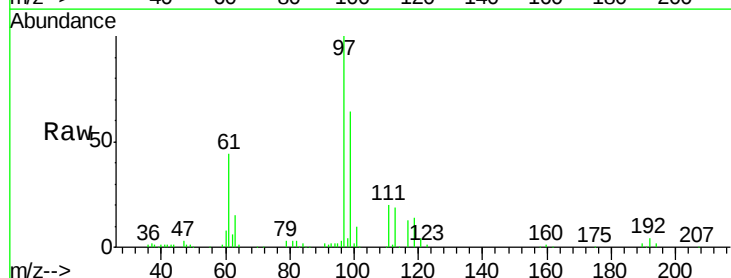
Manual Integrations
APPROVED

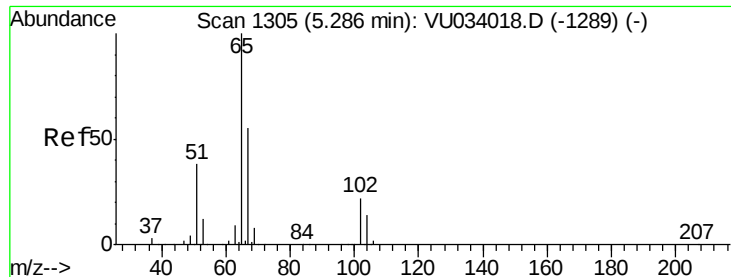
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.857 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.8	77.6
61	44.2	35.3	52.9





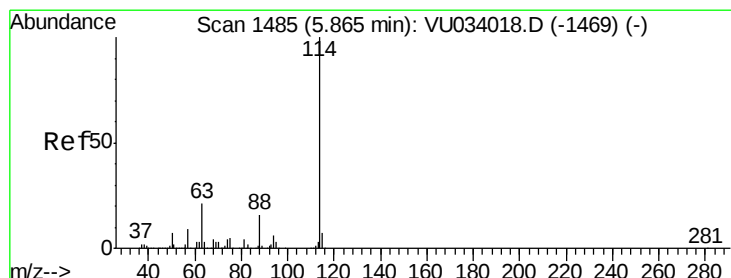
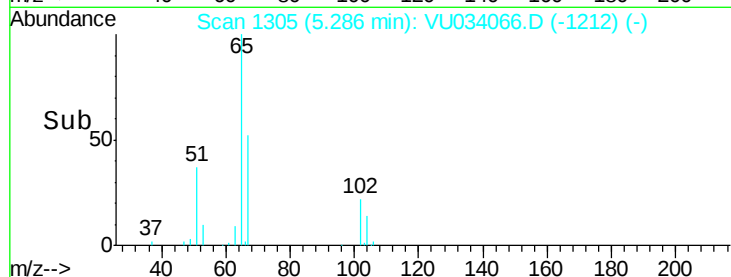
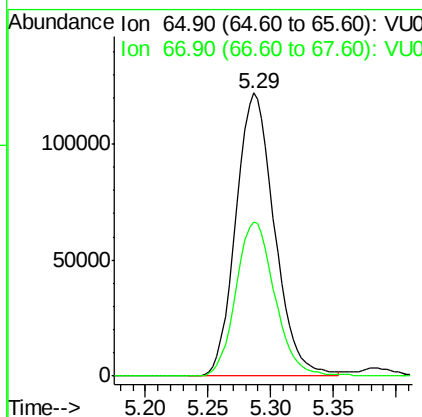
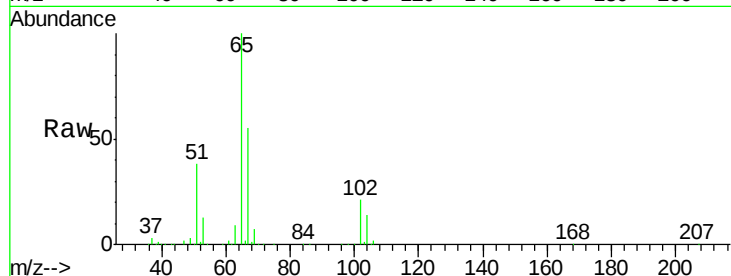
#33
 1,2-Dichloroethane-d4
 Concen: 47.971 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261081		
67	54.9	0.0	110.6	

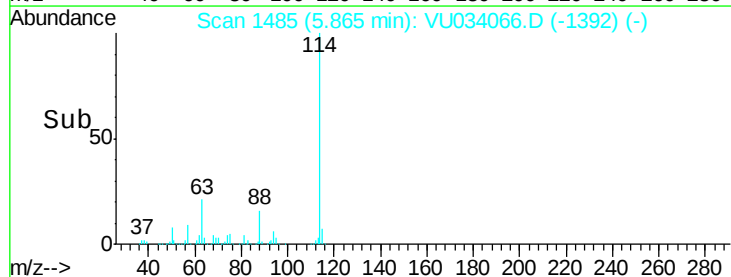
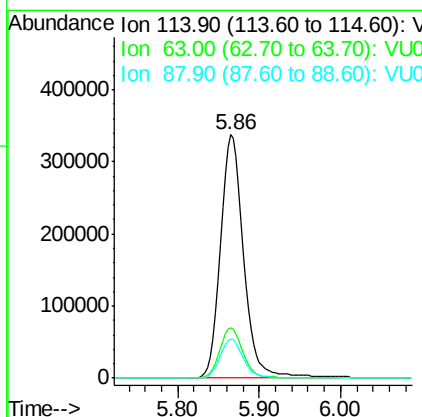
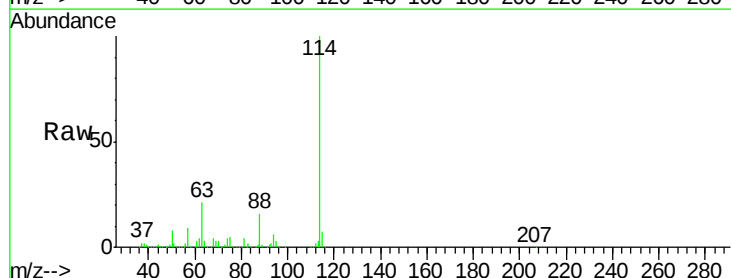
Manual Integrations
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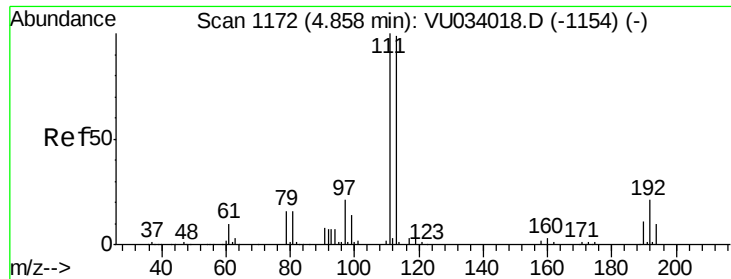
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681868		
63	20.7	0.0	42.0	
88	16.0	0.0	32.0	





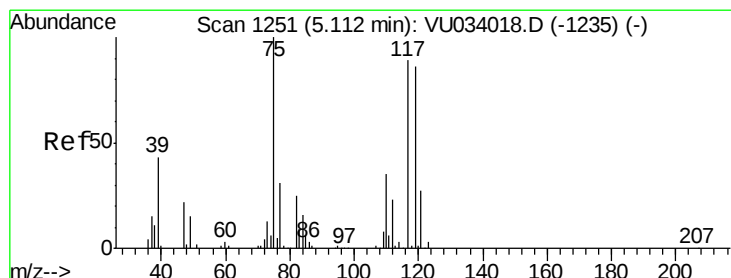
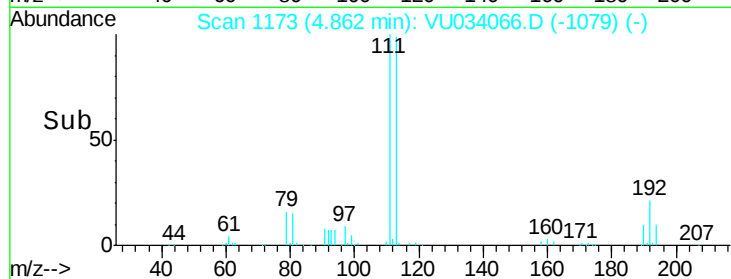
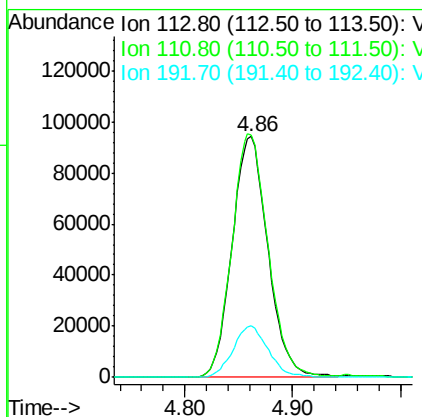
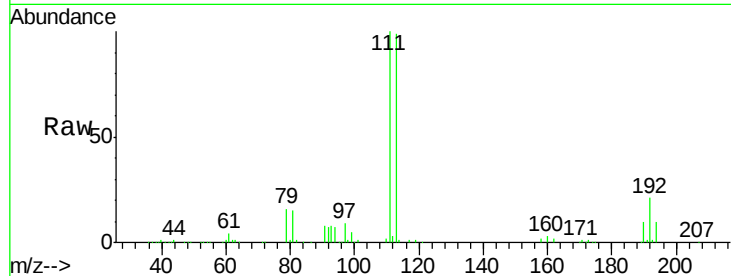
#35
 Dibromofluoromethane
 Concen: 46.108 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218063		
111	101.8	81.7	122.5	
192	21.2	17.1	25.7	

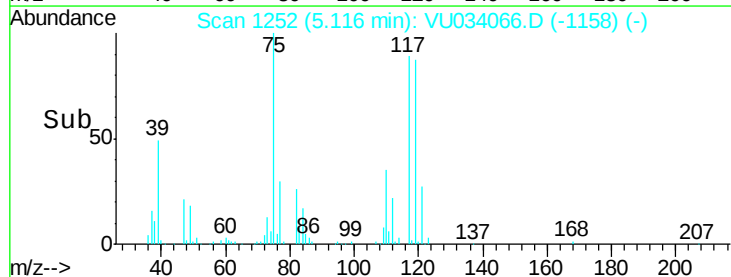
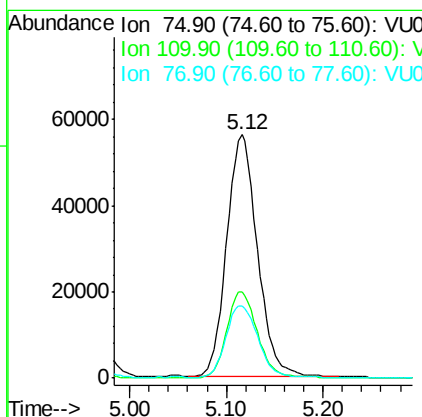
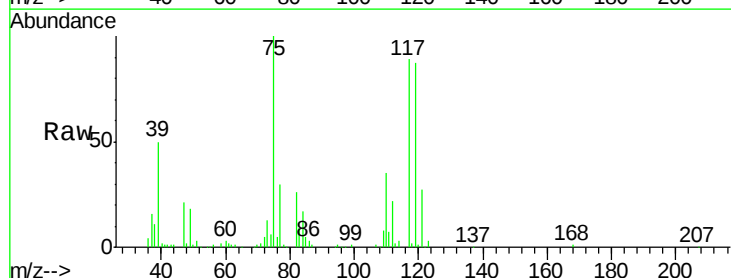
Manual Integrations
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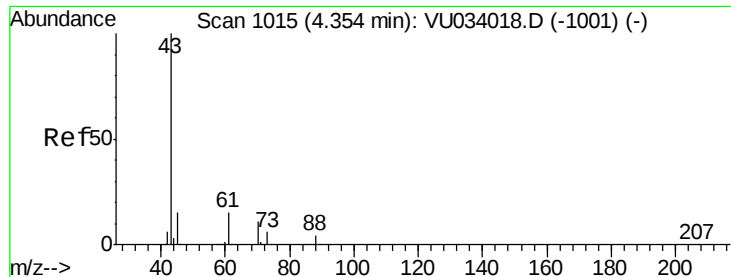
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#36
 1,1-Dichloropropene
 Concen: 19.207 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123878		
110	35.9	17.8	53.5	
77	30.6	25.0	37.4	





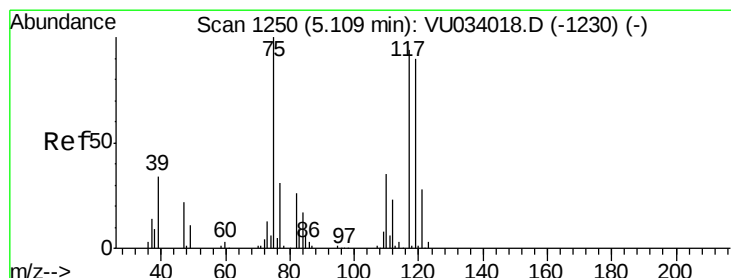
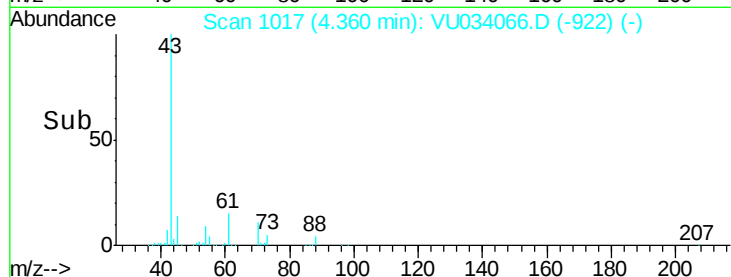
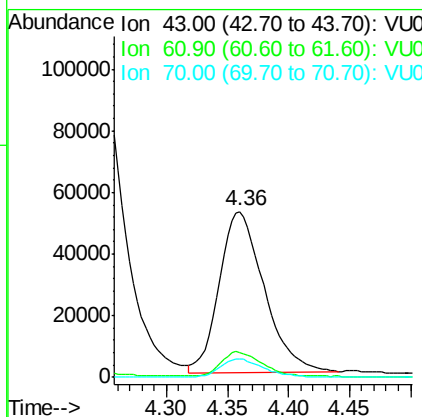
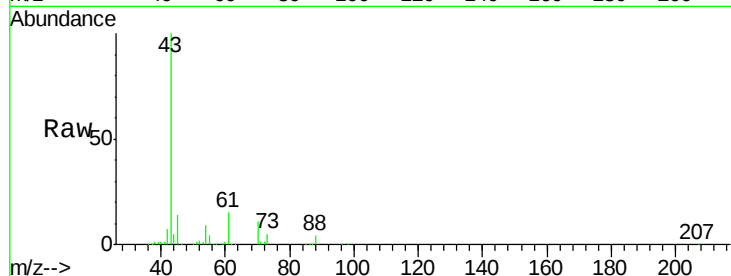
#37
Ethyl Acetate
Concen: 18.625 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.2	8.6	12.8

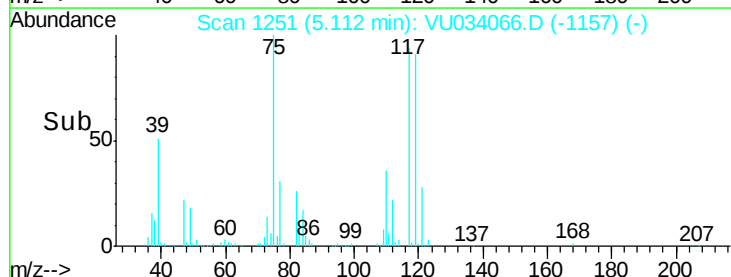
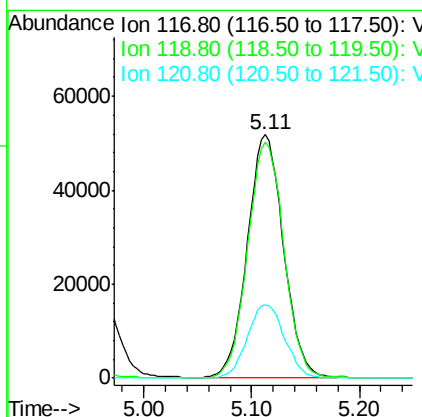
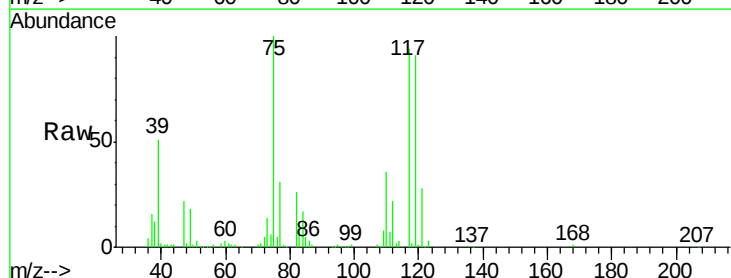
Manual Integrations
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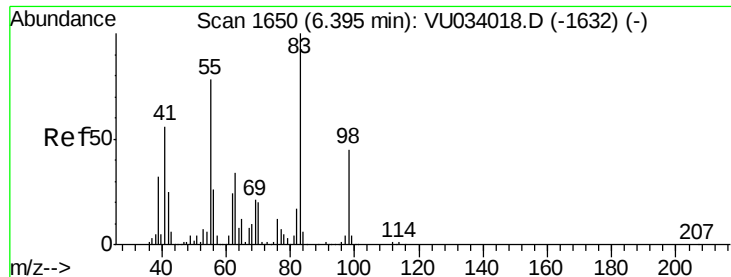
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#38
Carbon Tetrachloride
Concen: 19.268 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
121	30.0	23.9	35.9





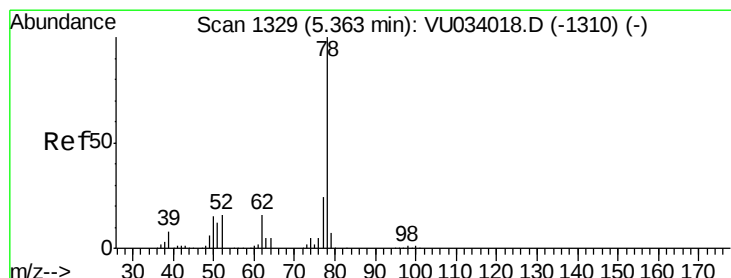
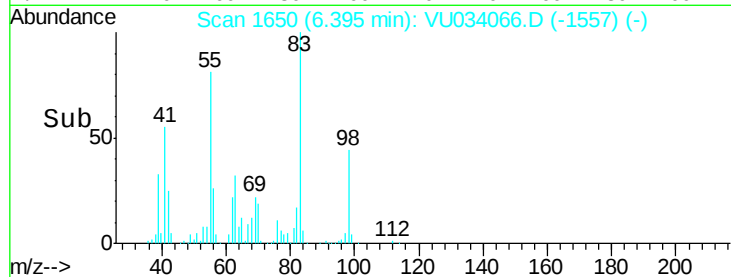
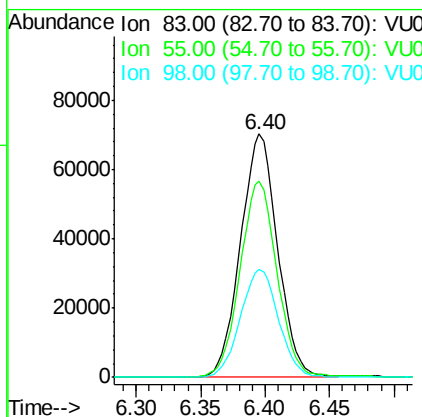
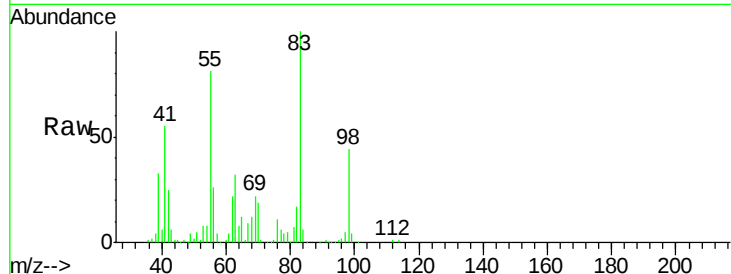
#39
Methvlcvclohexane
Concen: 18.537 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	140913		
55	80.7	62.3	93.5	
98	44.3	36.2	54.2	

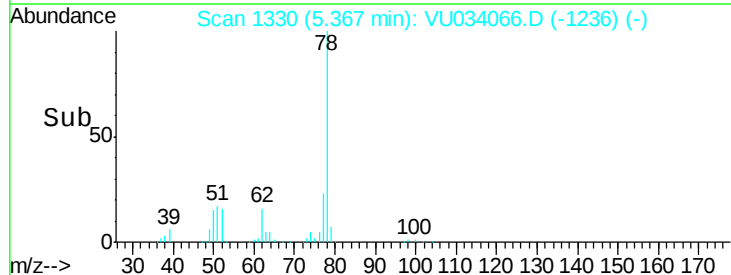
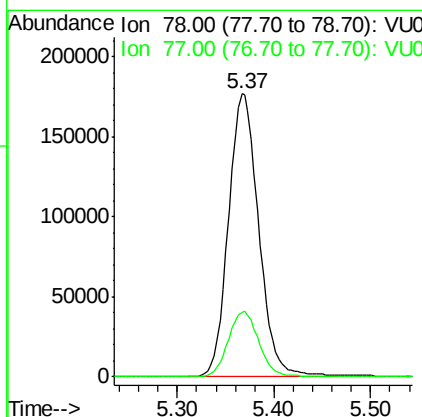
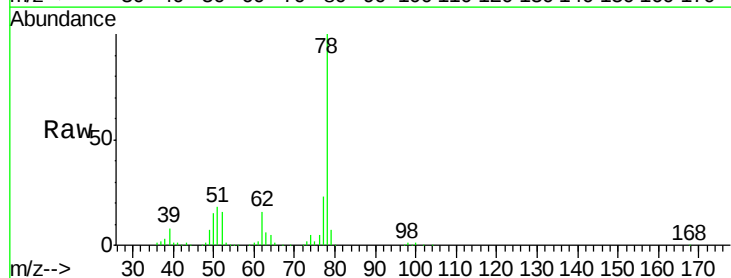
Manual Integrations
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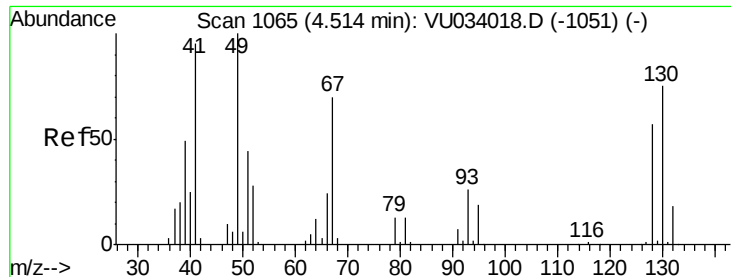
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#40
Benzene
Concen: 19.706 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	384526		
77	23.0	19.0	28.6	





#41

Methacrylonitrile

Concen: 19.615 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 41 Resp: 72655

Ion Ratio Lower Upper

41 100

39 52.9 42.1 63.1

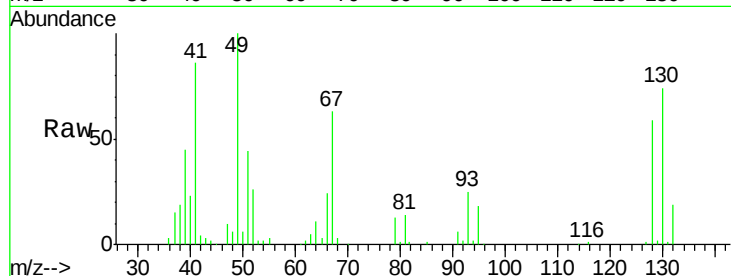
67 77.6 61.0 91.4

52 29.9 23.3 34.9

Manual Integrations
APPROVED

MMDadoda

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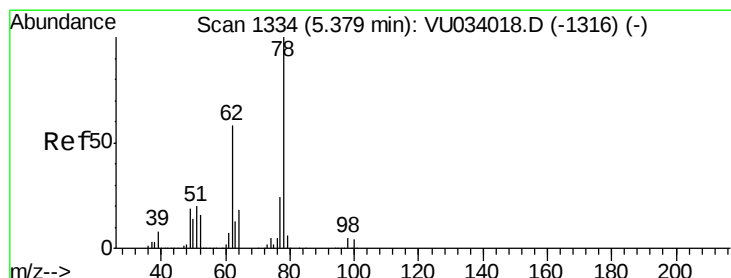
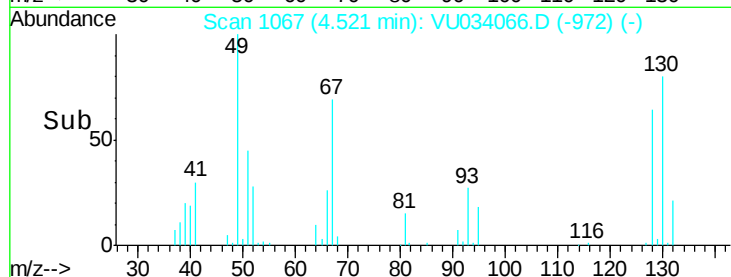
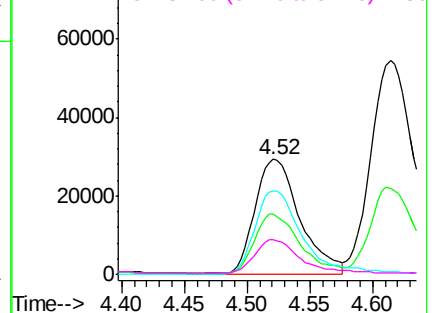
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 19.557 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034066.D

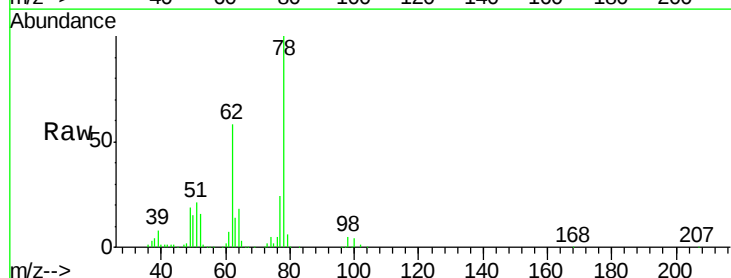
Acq: 29 Aug 2019 16:50

Tgt Ion: 62 Resp: 131781

Ion Ratio Lower Upper

62 100

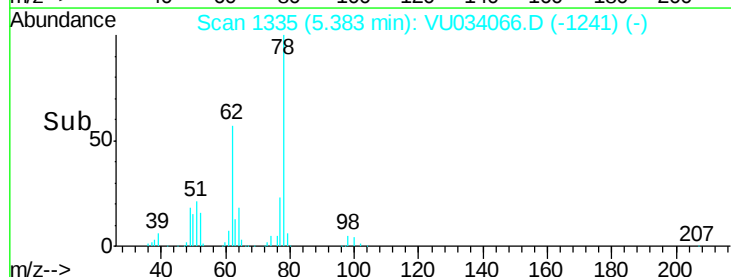
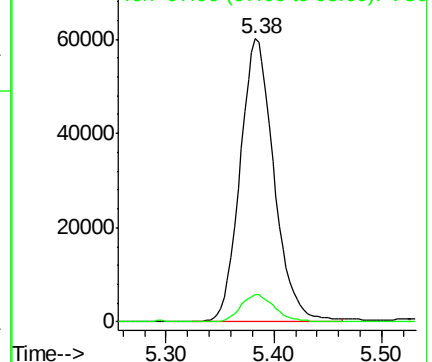
98 9.8 0.0 18.2

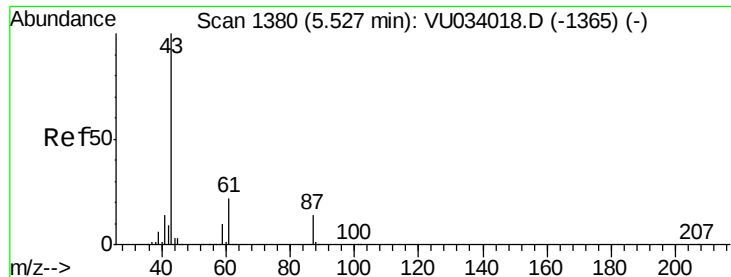


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 18.543 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

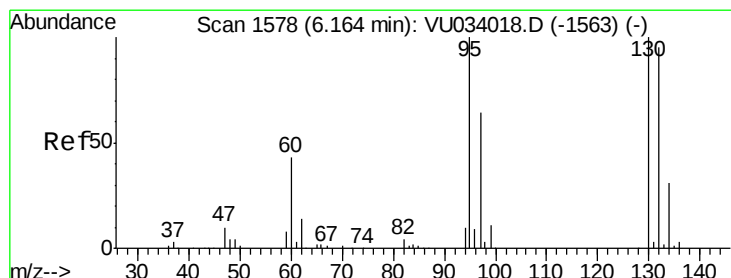
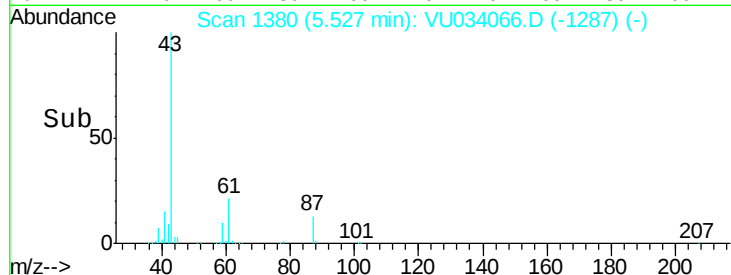
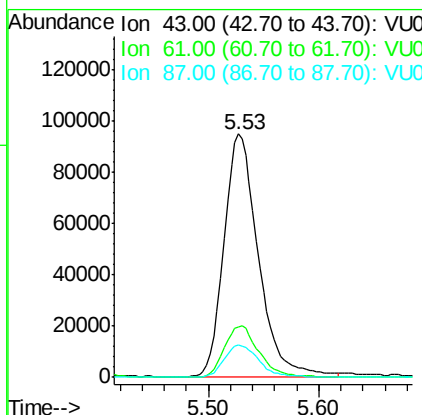
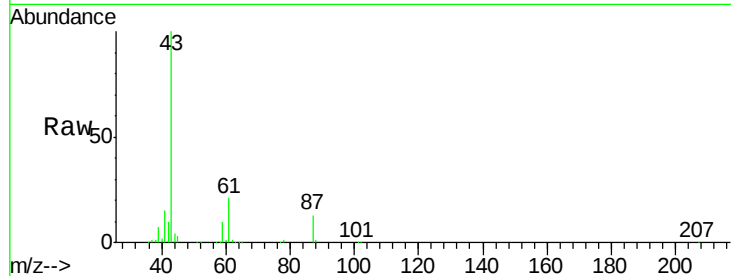
ClientSampleId :

VU0830WBS01

Tot Ion:	43	Resp:	203751
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.2	25.8
87	13.7	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.472 ug/l

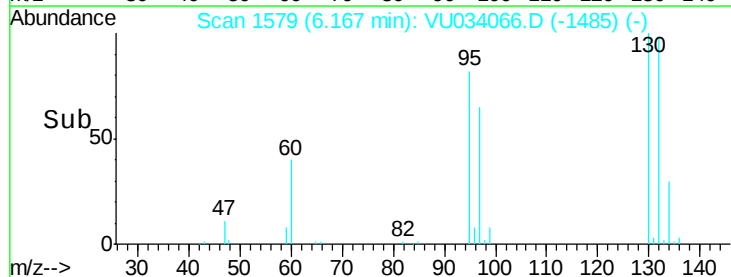
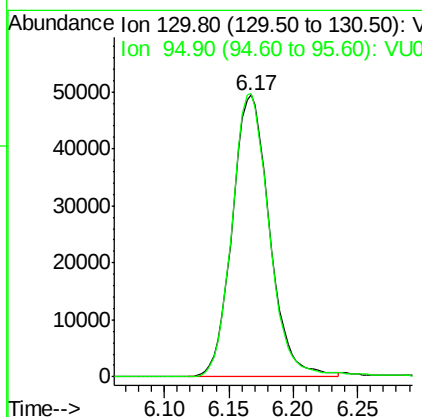
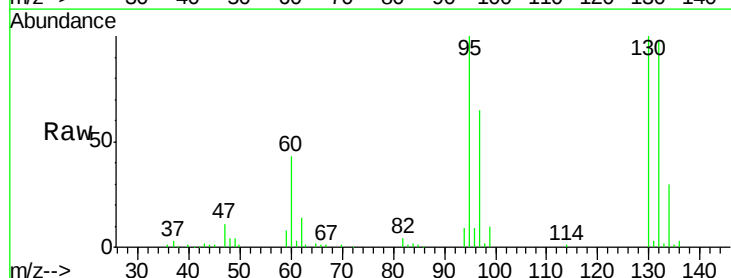
RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	130	Resp:	99780
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	199.6





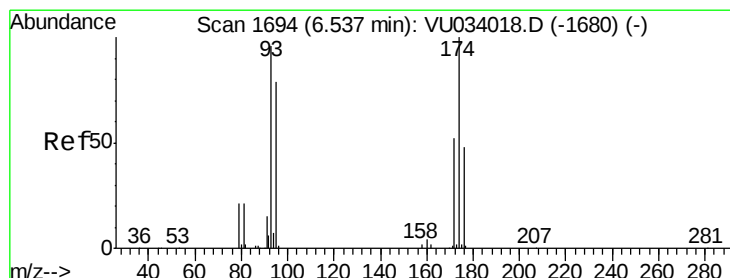
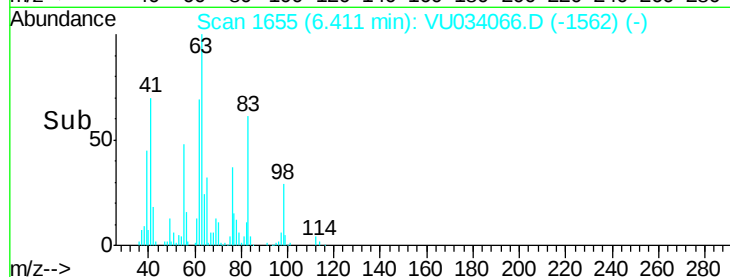
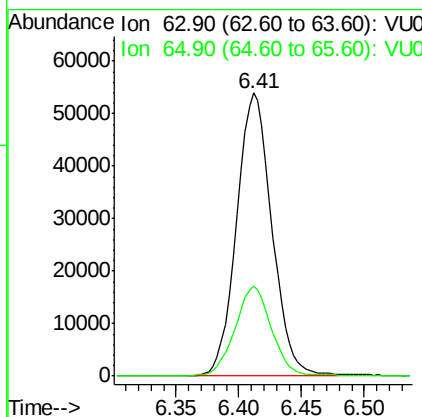
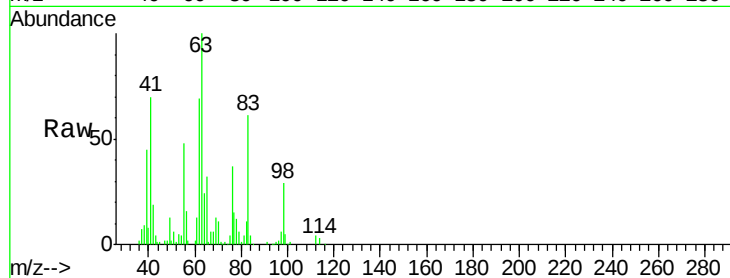
#45
 1,2-Dichloropropane
 Concen: 19.689 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion: 63 Resp: 105763
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.4 38.2

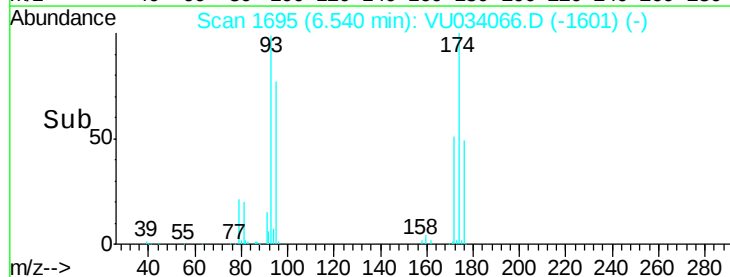
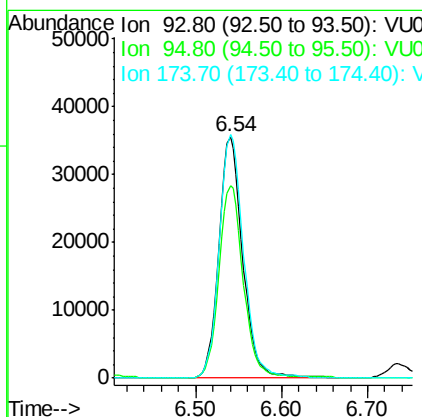
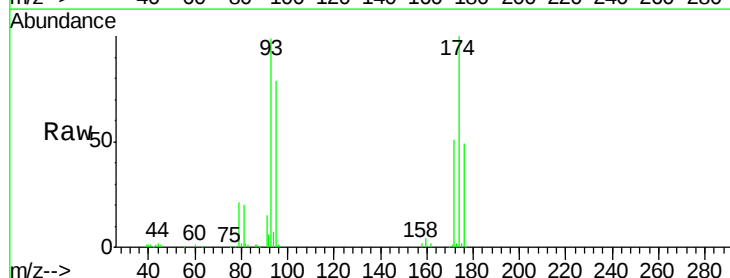
Manual Integrations
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 9/3/2019 5:31:59 PM



#46
 Dibromomethane
 Concen: 19.868 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 93 Resp: 68756
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.7 100.1
 174 103.1 84.9 127.3





#47

Bromodichloromethane

Concen: 19.123 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

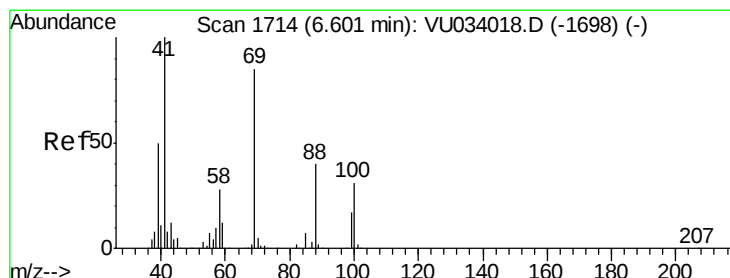
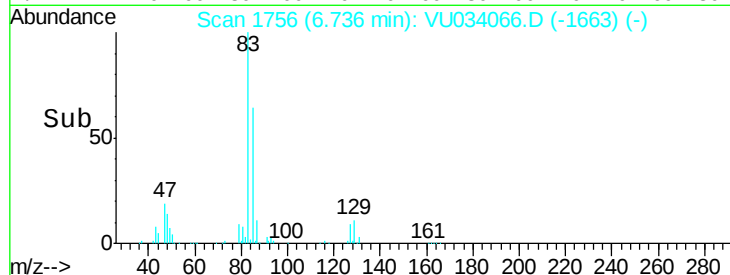
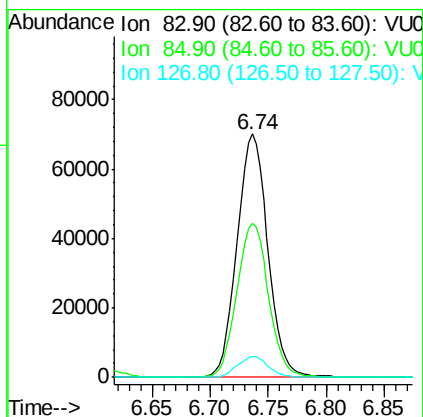
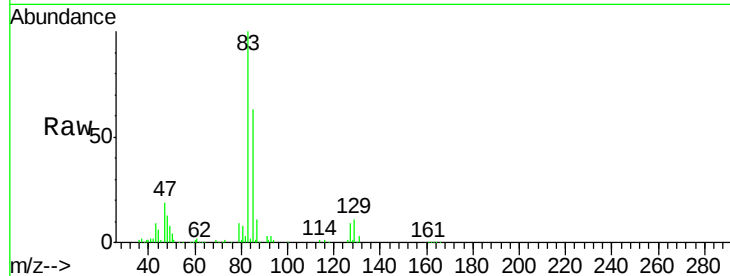
ClientSampleId :

VU0830WBS01

Tot Ion:	83	Resp:	129479
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	8.5	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.483 ug/l

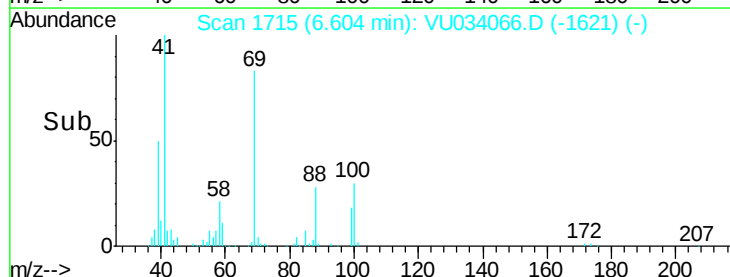
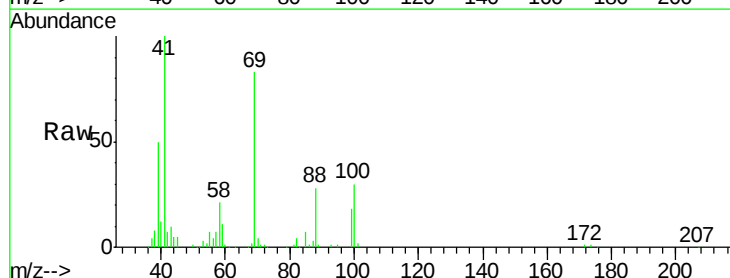
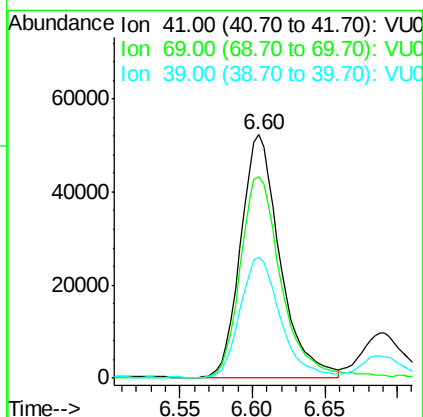
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	41	Resp:	97999
Ion	Ratio	Lower	Upper
41	100		
69	87.4	69.5	104.3
39	50.5	40.3	60.5





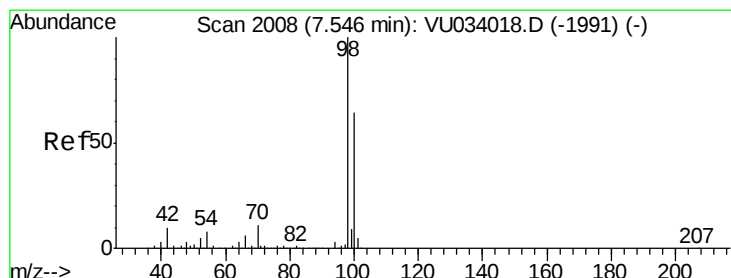
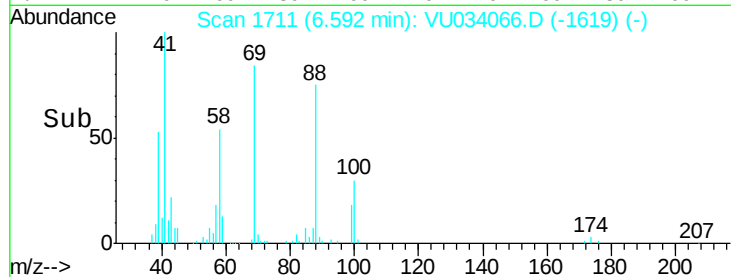
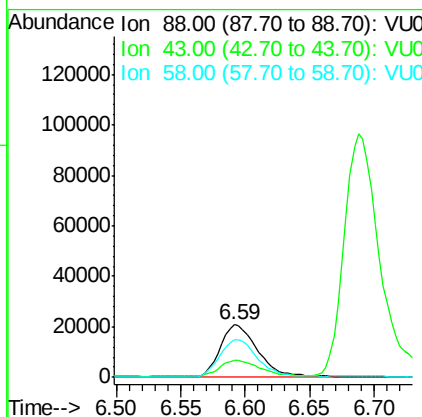
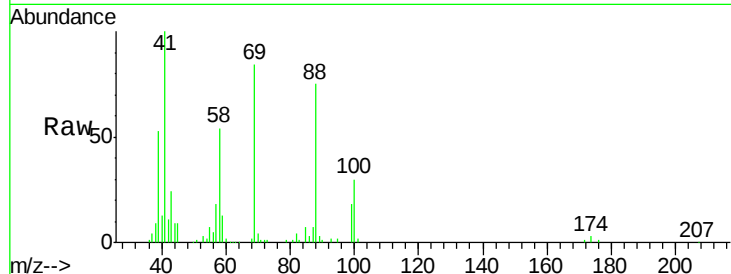
#49
1,4-Dioxane
Concen: 313.303 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	24.8	37.2
58	74.9	59.3	88.9

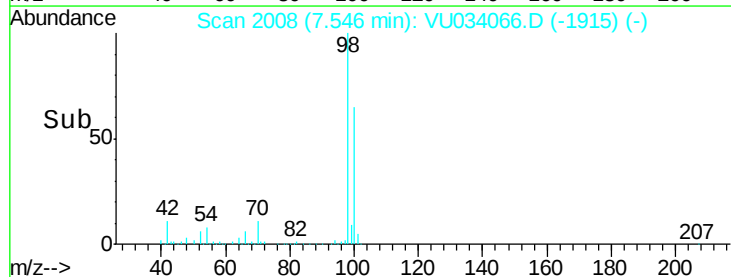
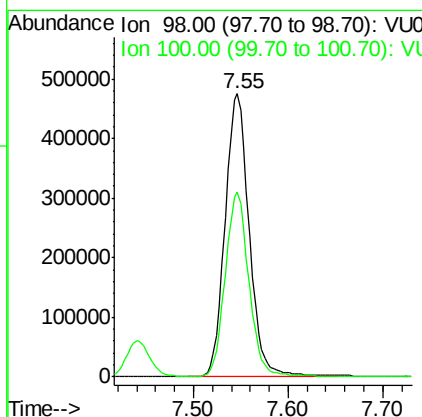
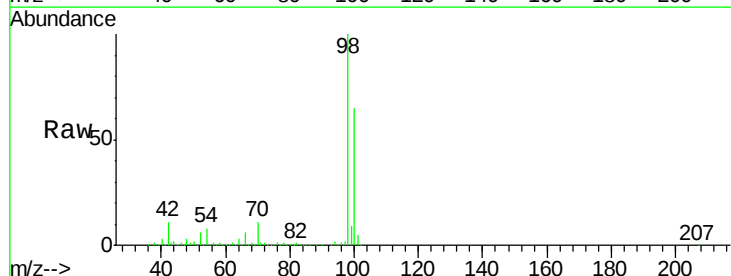
Manual Integrations
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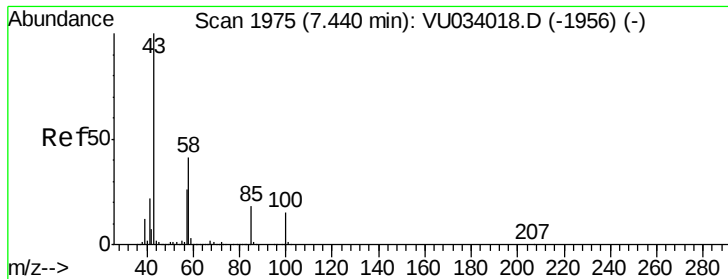
MMDadoda
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#50
Toluene-d8
Concen: 47.676 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.3	75.5





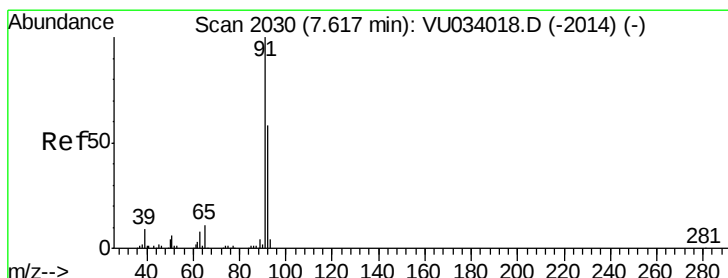
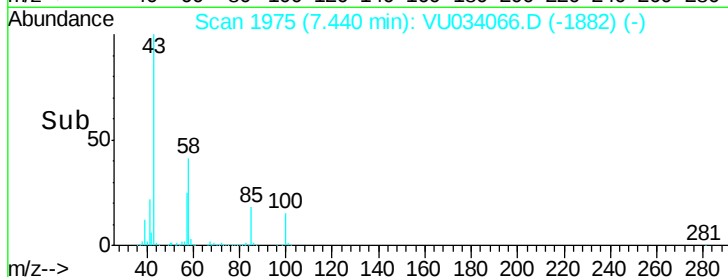
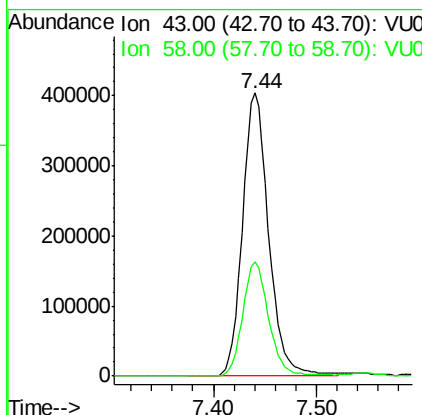
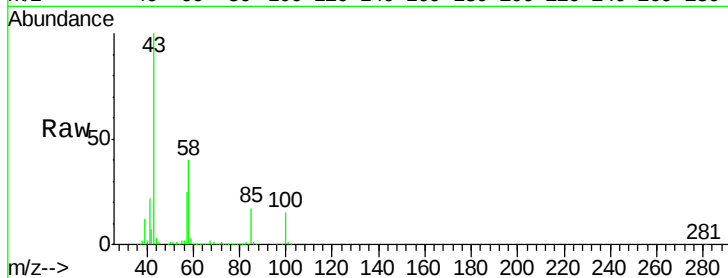
#51
4-Methyl-2-Pentanone
Concen: 93.616 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.4

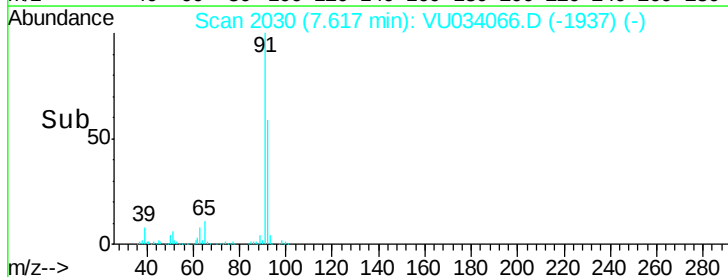
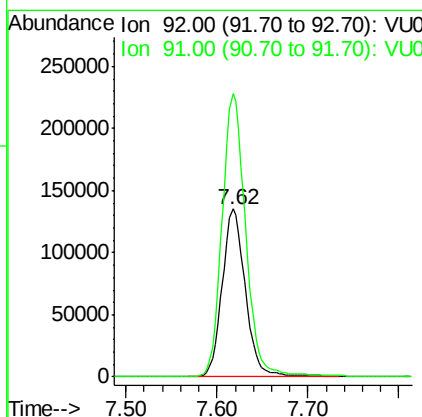
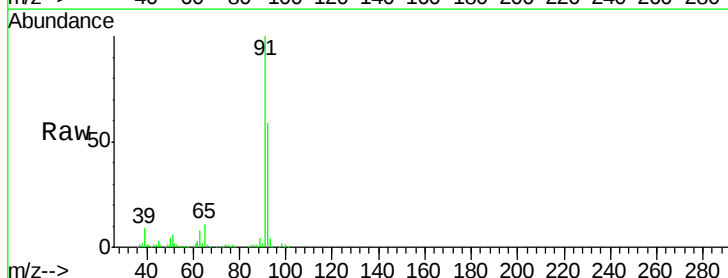
Manual Integrations
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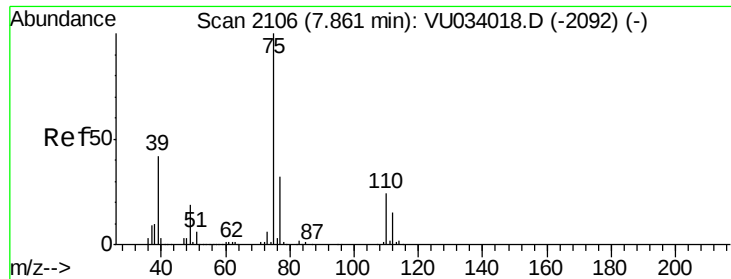
MMDadoda
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#52
Toluene
Concen: 20.055 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 18.104 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 75 Resp: 136016

Ion Ratio Lower Upper

75 100

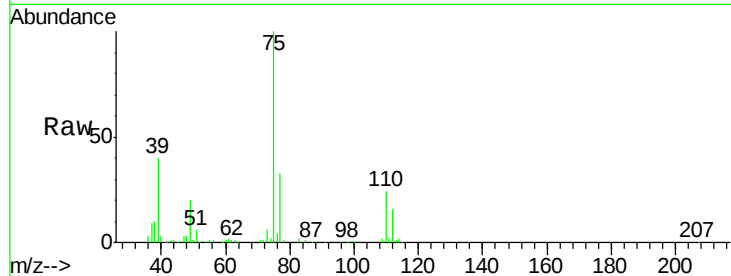
77 32.5 25.4 38.0

Manual Integrations

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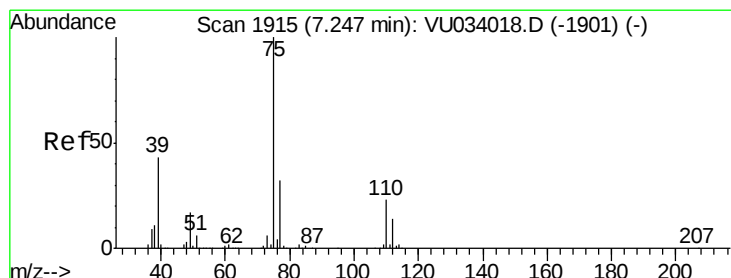
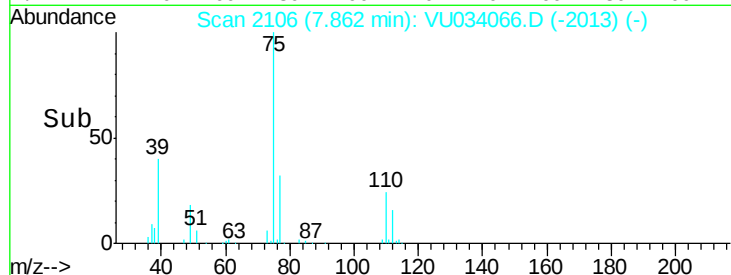
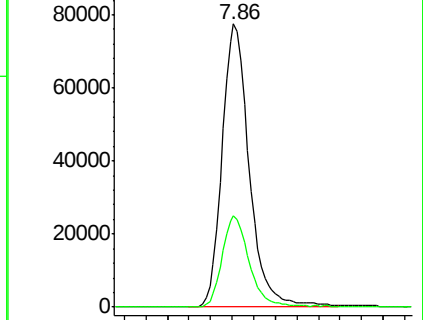
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

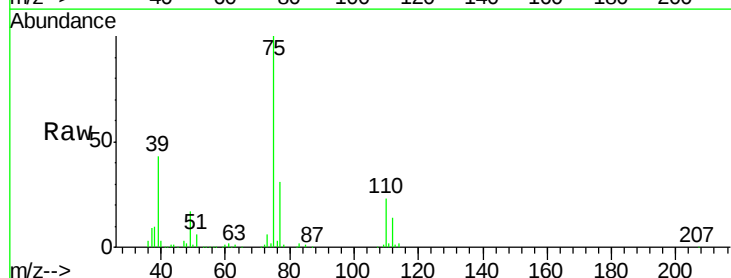
Tgt Ion: 75 Resp: 154627

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

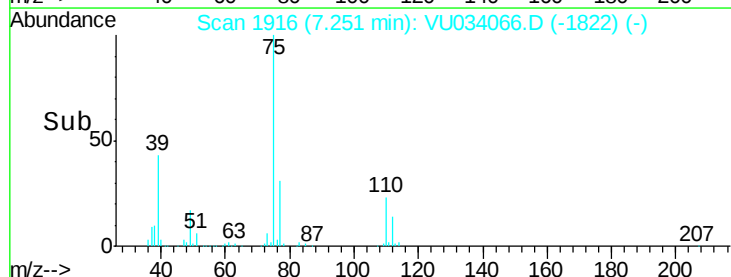
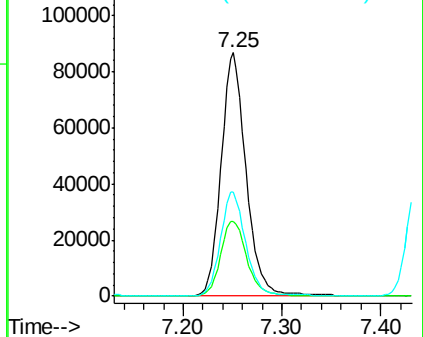
39 42.9 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





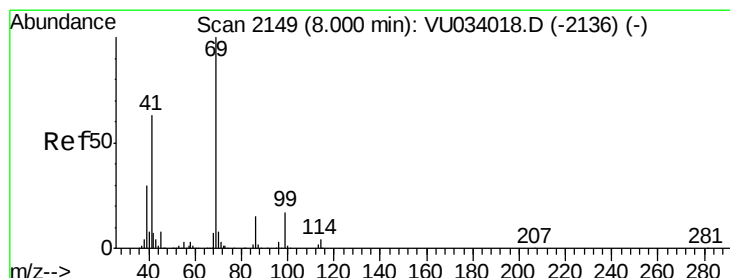
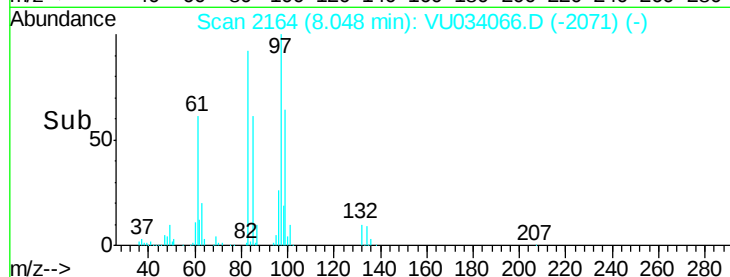
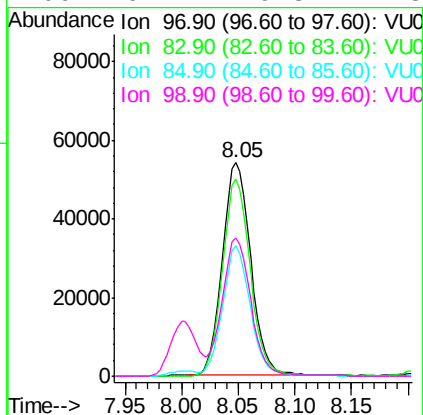
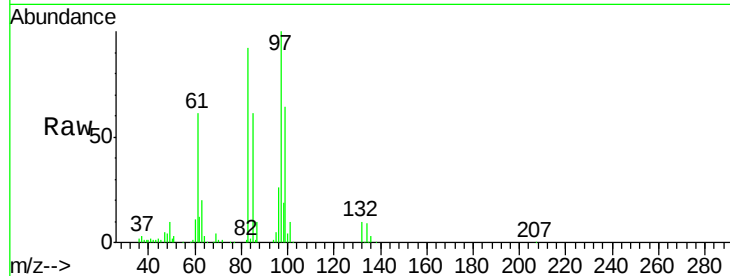
#55
 1,1,2-Trichloroethane
 Concen: 18.561 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	94378		
83	83	92.6		70.1	105.1
85	85	61.4		45.0	67.4
99	99	64.4		49.8	74.8

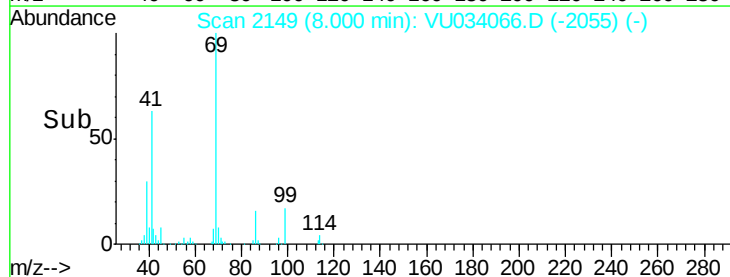
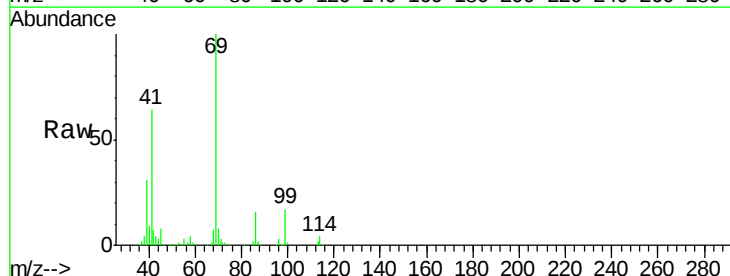
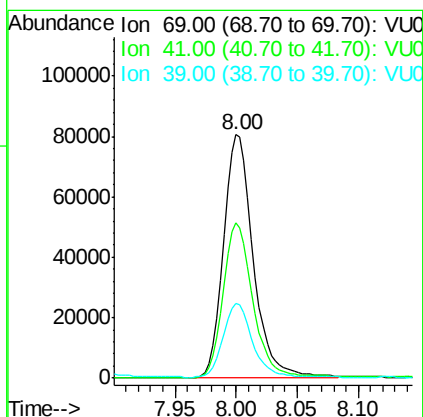
Manual Integrations
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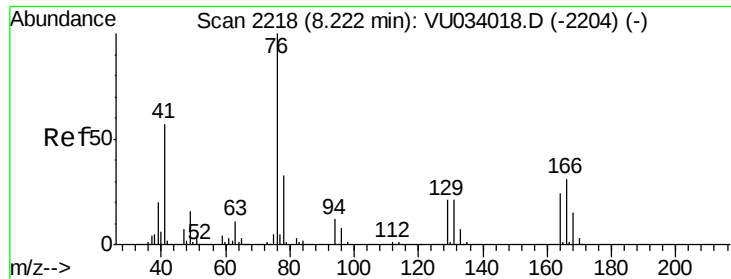
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#56
 Ethyl methacrylate
 Concen: 17.090 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	138637		
41	41	64.3		50.7	76.1
39	39	30.1		24.2	36.2





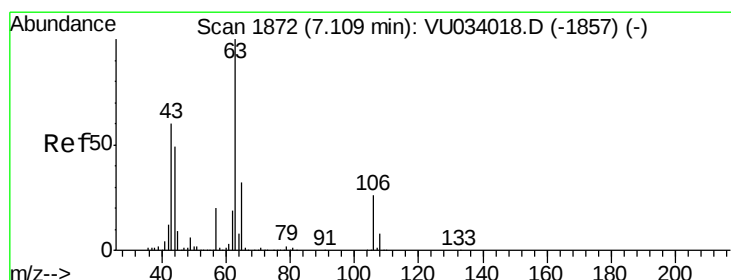
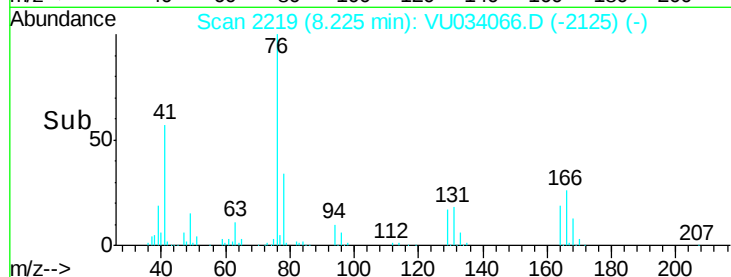
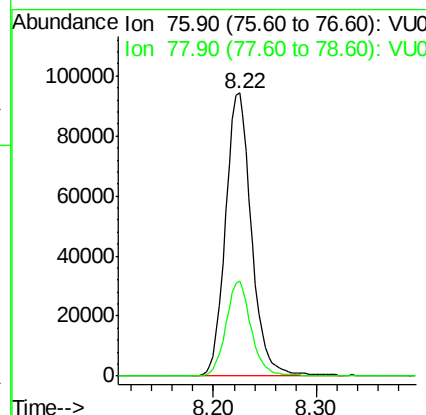
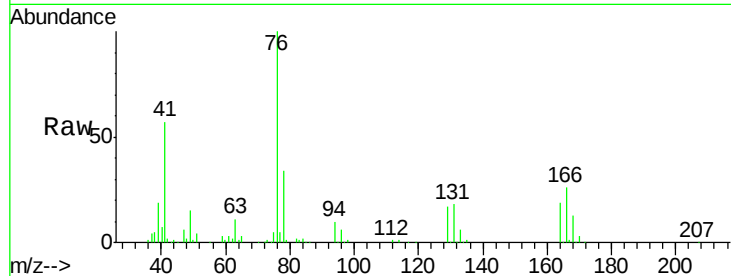
#57
 1,3-Dichloropropane
 Concen: 19.168 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion: 76 Resp: 165489
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

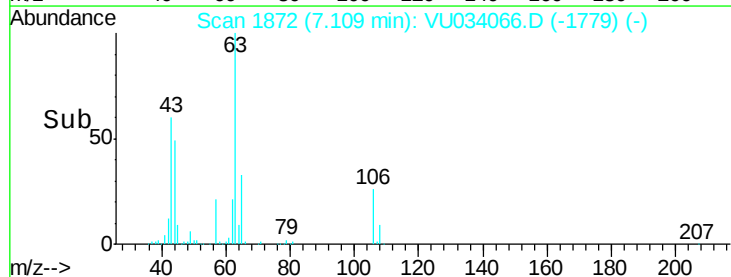
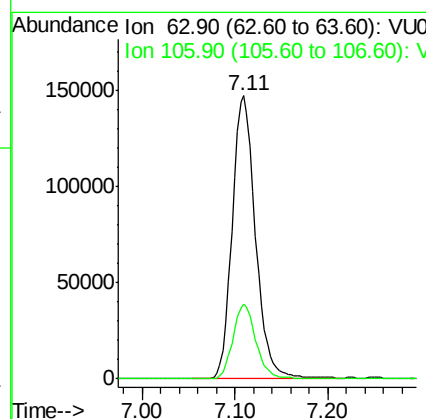
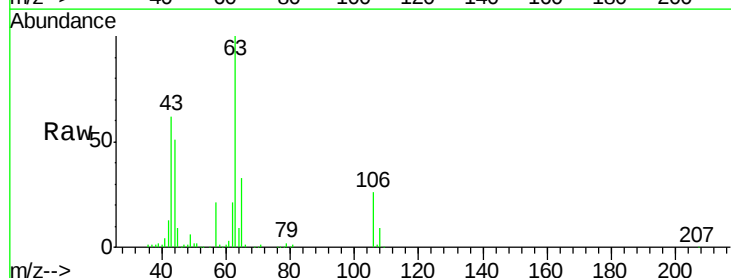
Manual Integrations
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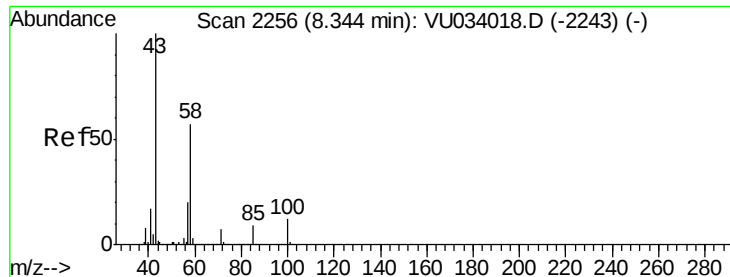
MMDadoda
 9/3/2019 5:31:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.191 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 63 Resp: 256519
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





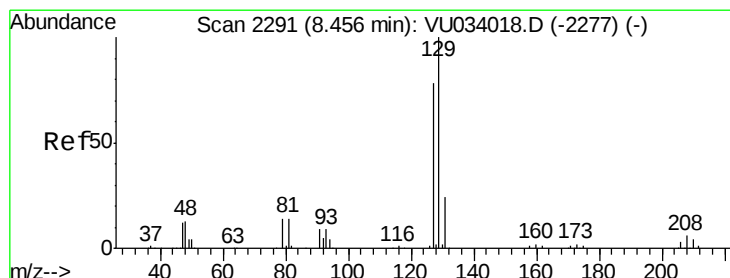
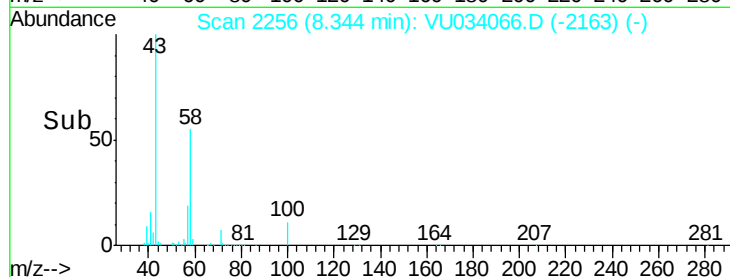
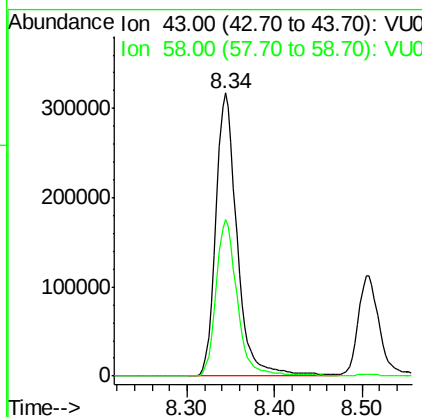
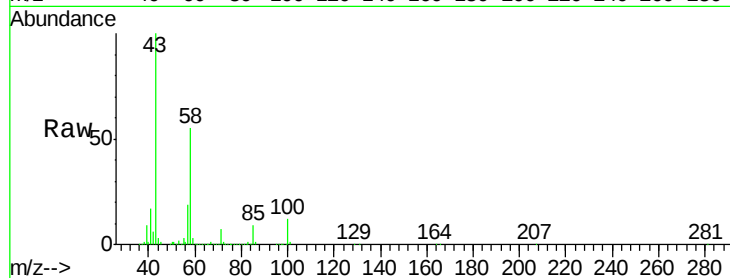
#59
2-Hexanone
Concen: 93.556 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	28.4	85.3

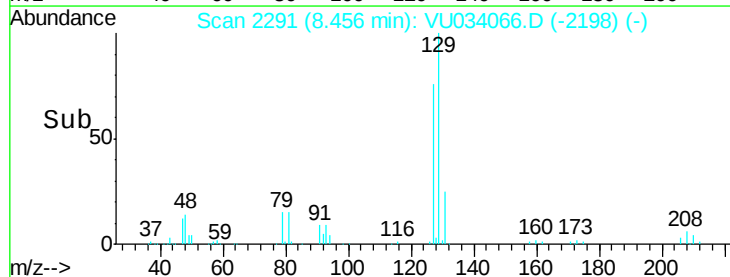
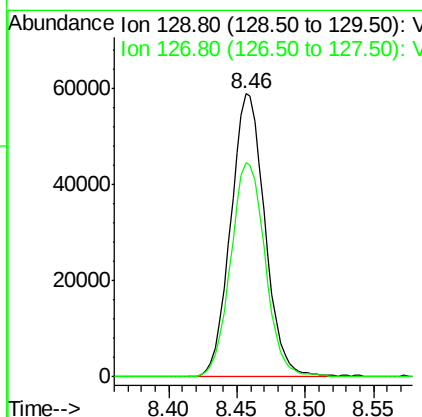
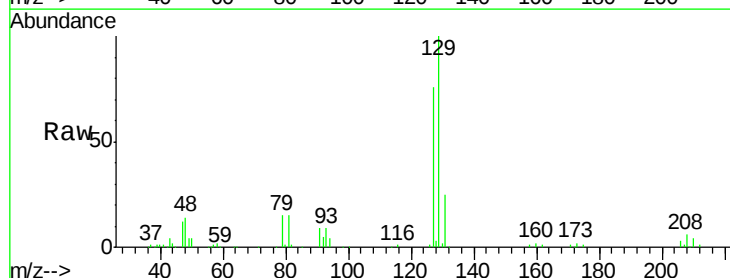
Manual Integrations
APPROVED

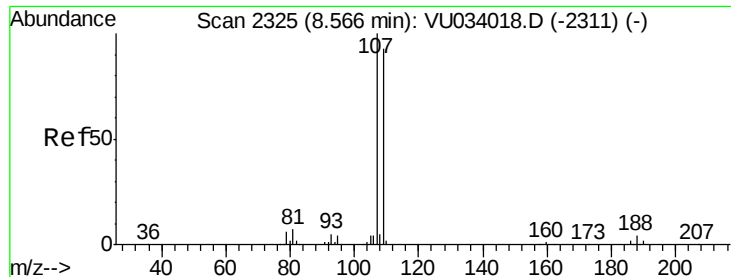
MMDadoda
9/3/2019 5:31:59 PM



#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.883 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 107 Resp: 101143

Ion Ratio Lower Upper

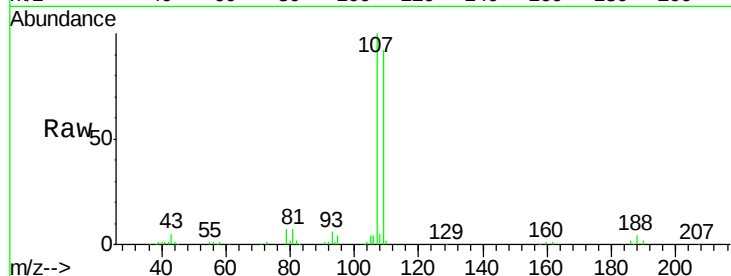
107 100

109 93.0 75.2 112.8

Manual Integrations
APPROVED

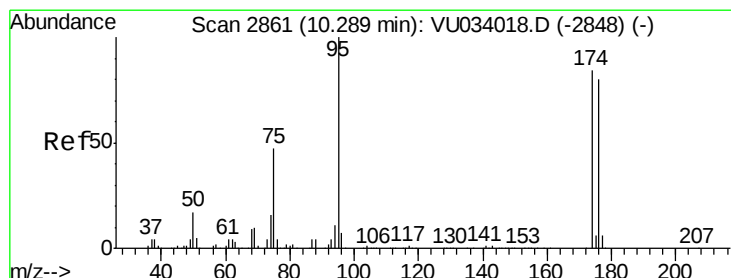
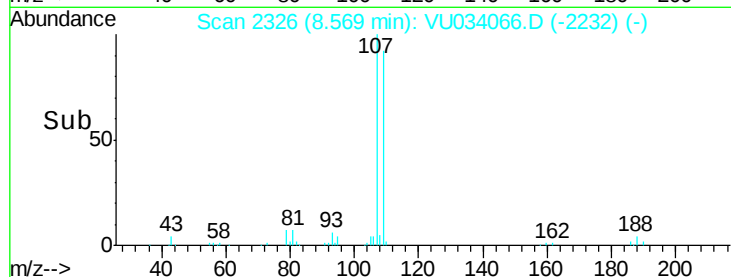
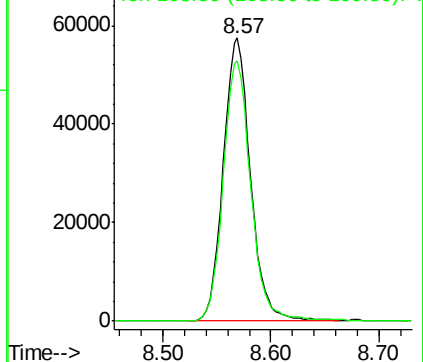
MMDadoda

9/3/2019 5:31:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.761 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

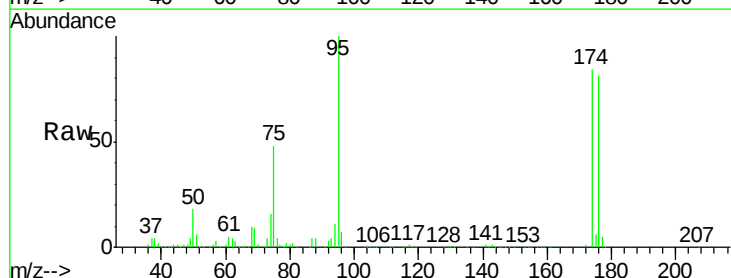
Tgt Ion: 95 Resp: 308335

Ion Ratio Lower Upper

95 100

174 83.7 0.0 168.8

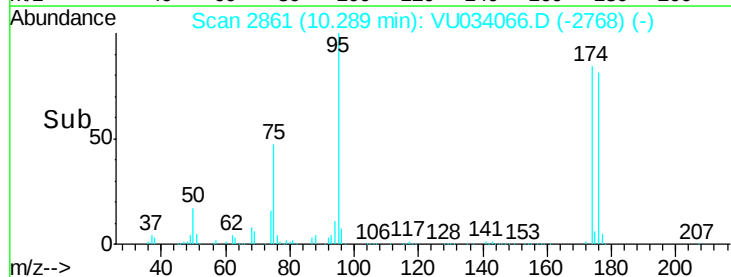
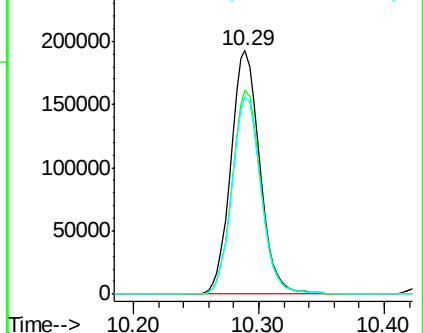
176 81.1 0.0 161.8

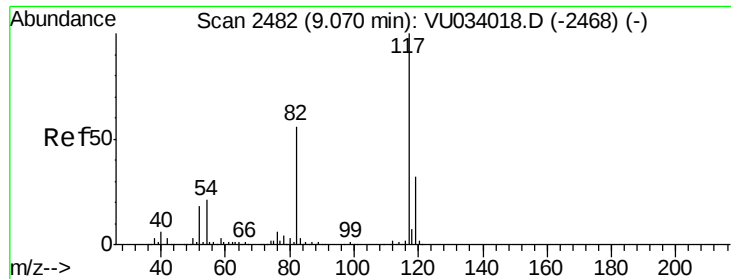


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





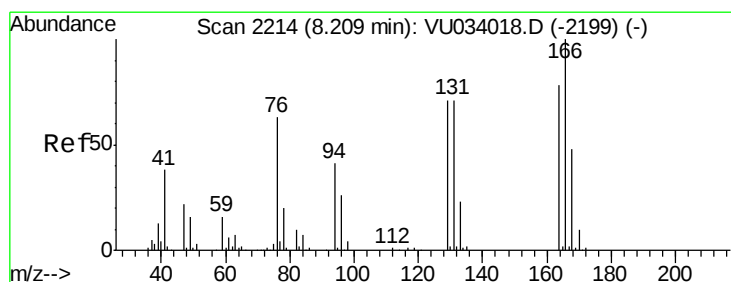
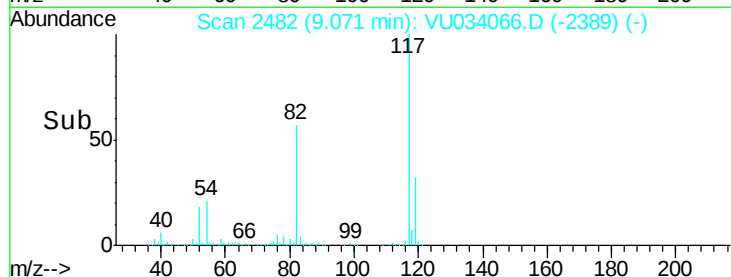
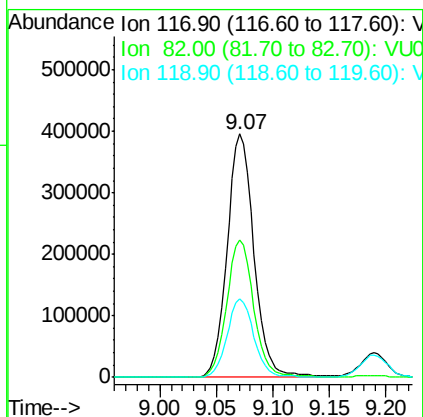
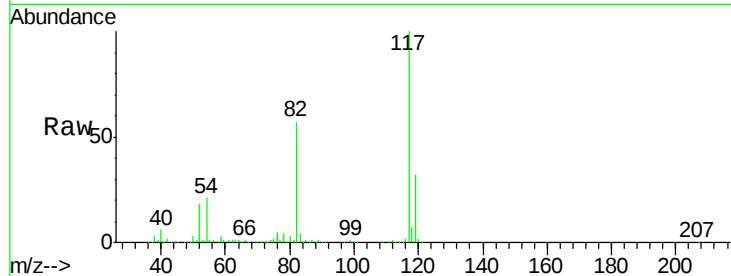
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	653943		
82	56.6		45.1	67.7
119	32.2		25.4	38.0

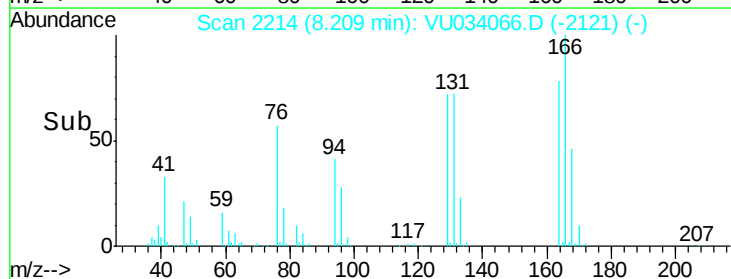
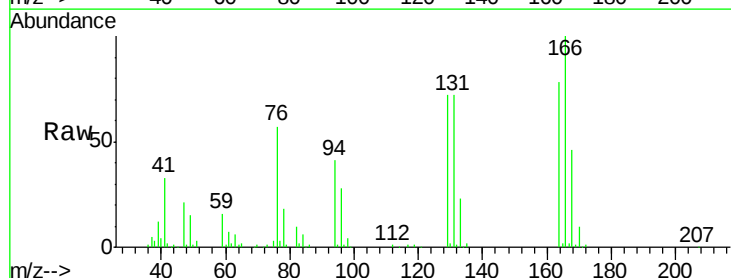
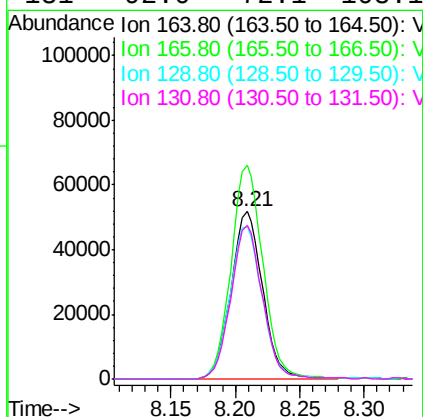
Manual Integrations
APPROVED

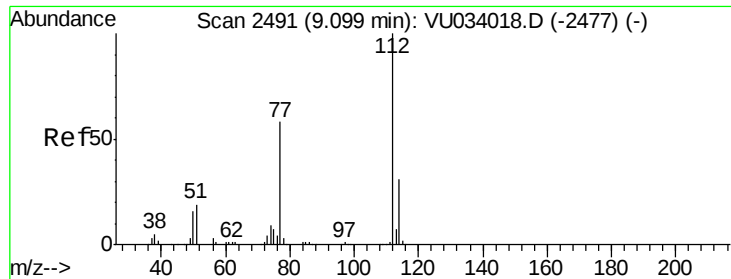
MMDadoda
9/3/2019 5:31:59 PM



#64
Tetrachloroethene
Concen: 20.099 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88270		
166	127.6		102.2	153.2
129	91.3		72.4	108.6
131	92.0		72.1	108.1





#65

Chlorobenzene

Concen: 19.212 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion:112 Resp: 258548

Ion Ratio Lower Upper

112 100

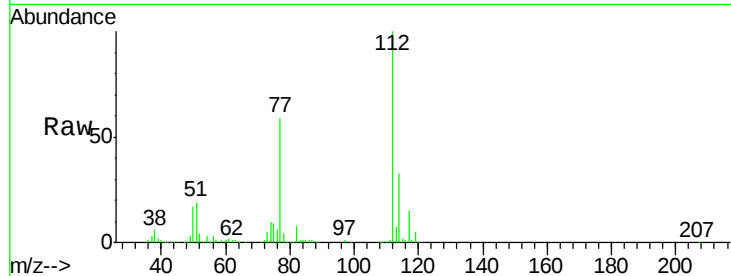
114 32.7 25.0 37.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

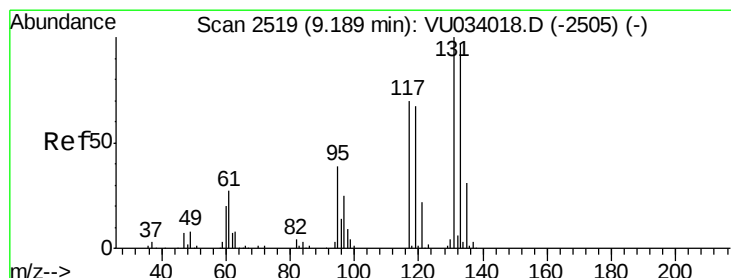
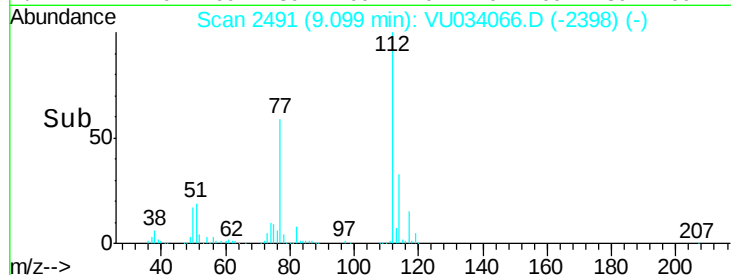
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.948 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

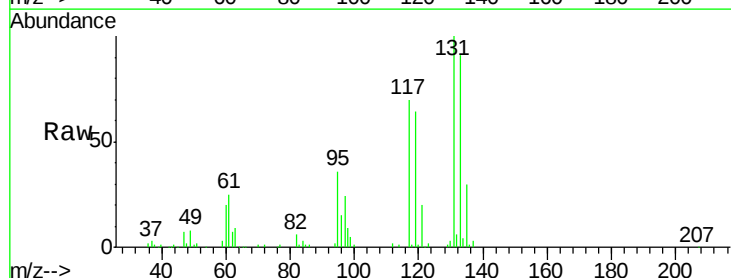
Tgt Ion:131 Resp: 92465

Ion Ratio Lower Upper

131 100

133 93.6 48.4 145.2

119 66.8 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

9.19

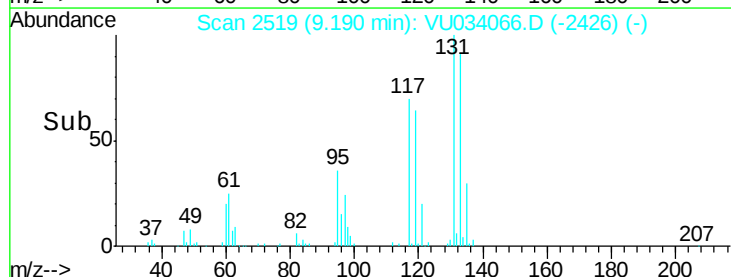
60000

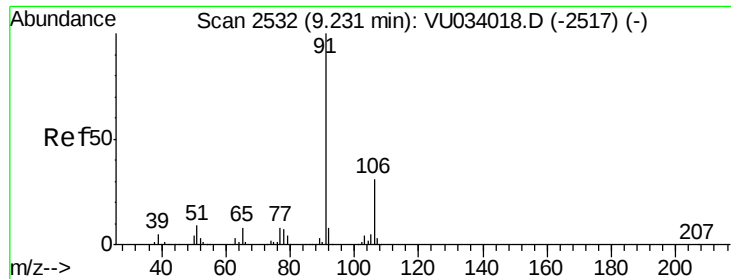
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.185 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 91 Resp: 437657

Ion Ratio Lower Upper

91 100

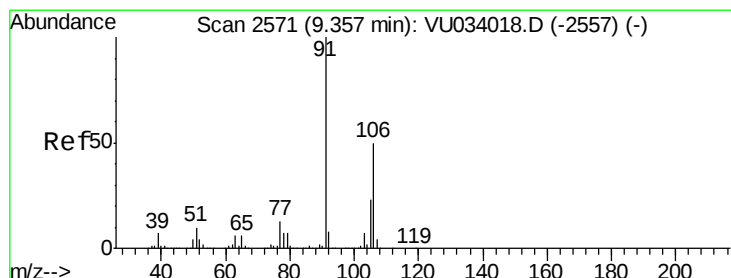
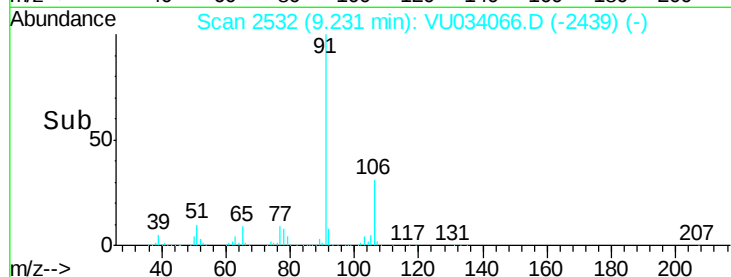
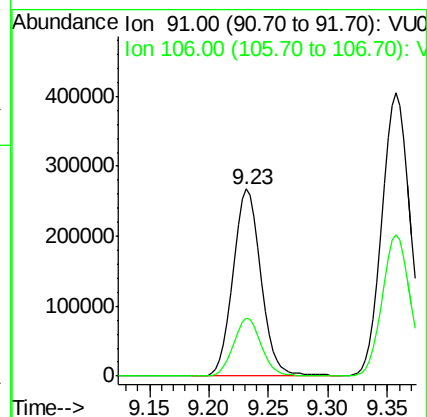
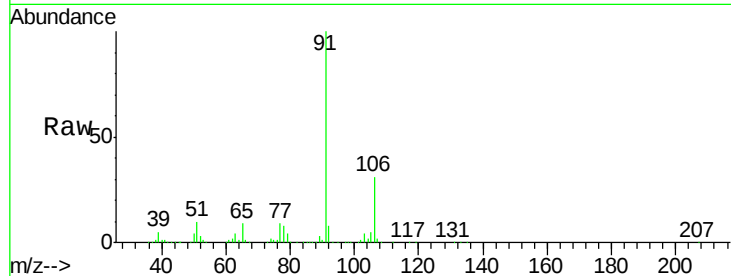
106 31.0 24.9 37.3

Manual Integrations

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9/3/2019 5:31:59 PM



#68

m/p-Xylenes

Concen: 38.574 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034066.D

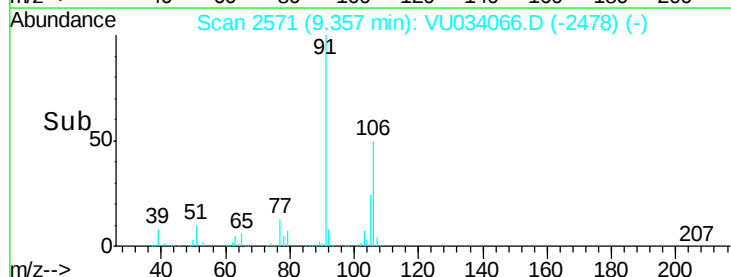
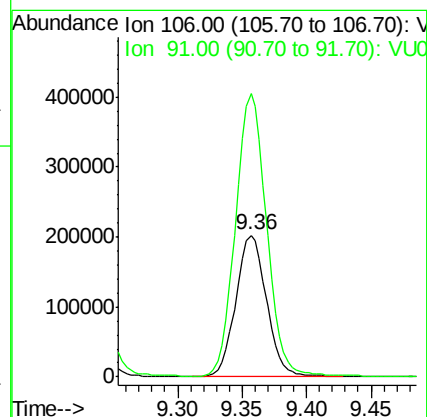
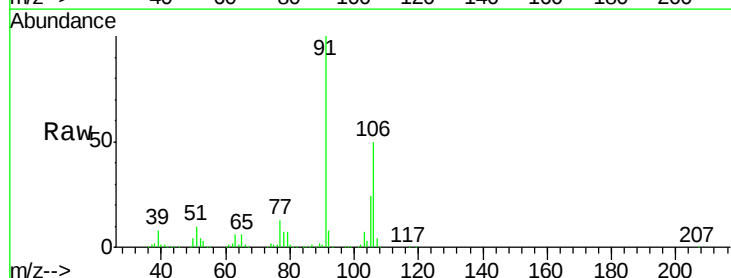
Acq: 29 Aug 2019 16:50

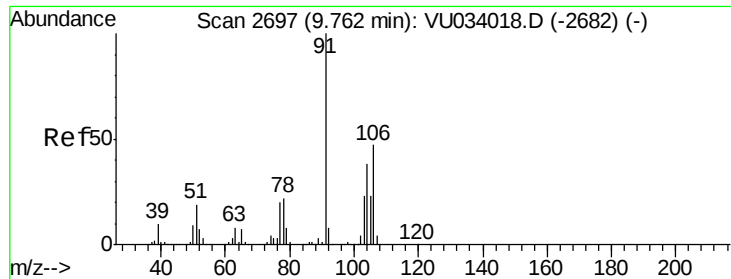
Tgt Ion: 106 Resp: 334598

Ion Ratio Lower Upper

106 100

91 203.5 161.6 242.4





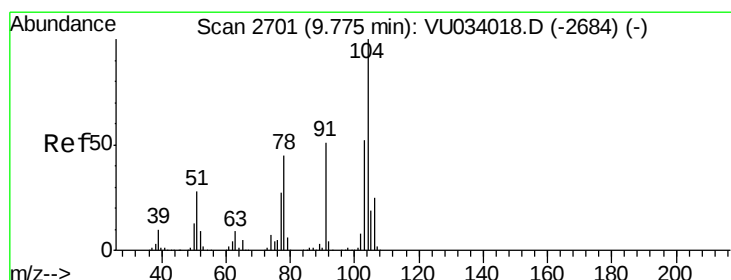
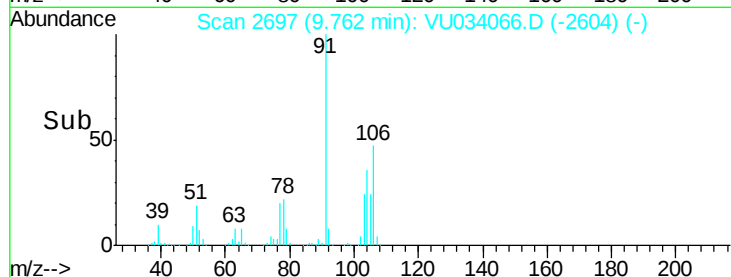
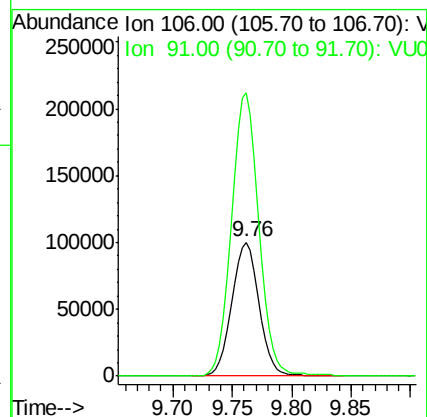
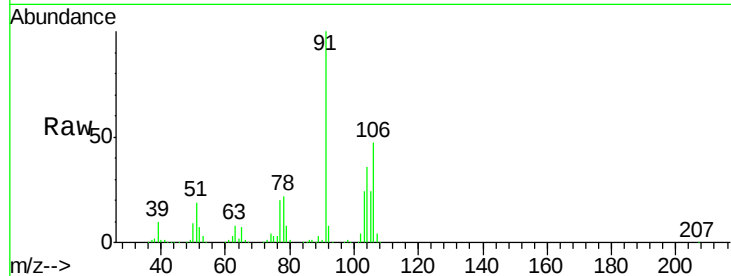
#69
o-Xylene
Concen: 19.135 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	159243		
91	213.5	106.0	318.0	

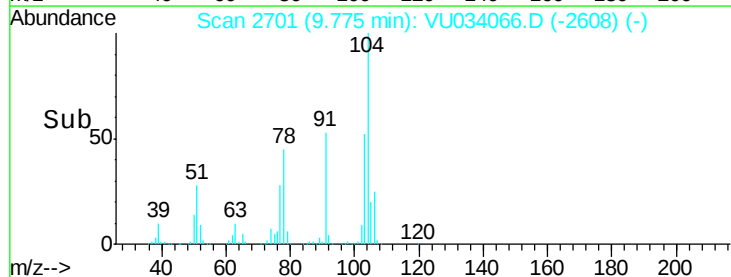
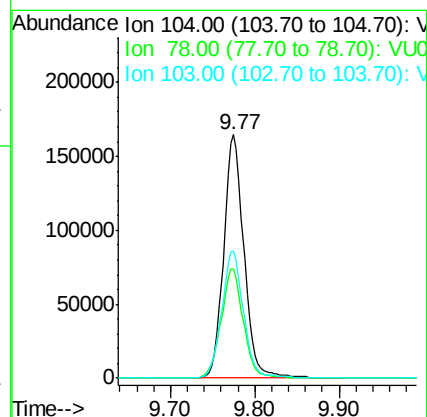
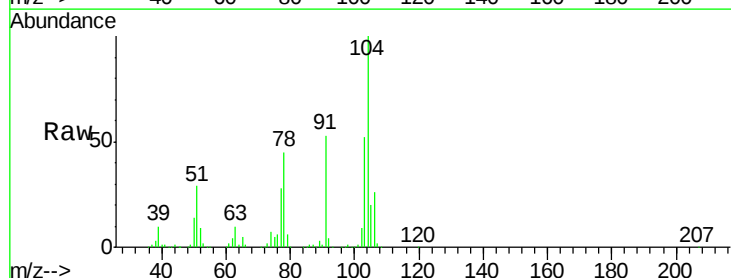
Manual Integrations
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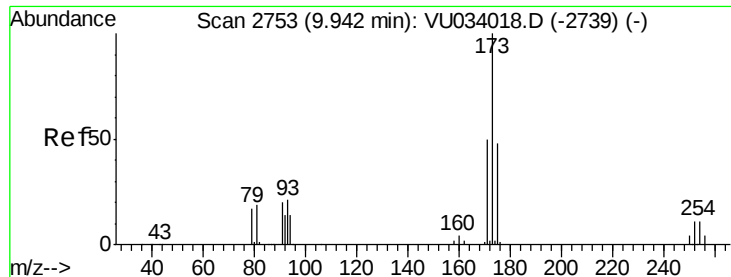
MMDadoda
9/3/2019 5:31:59 PM



#70
Styrene
Concen: 19.367 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	276346		
78	48.8	39.0	58.4	
103	56.0	44.0	66.0	





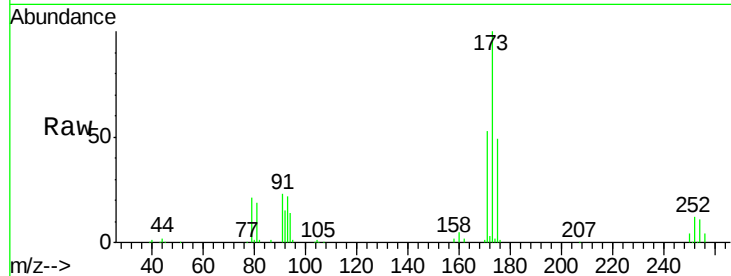
#71
Bromoform
Concen: 17.907 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

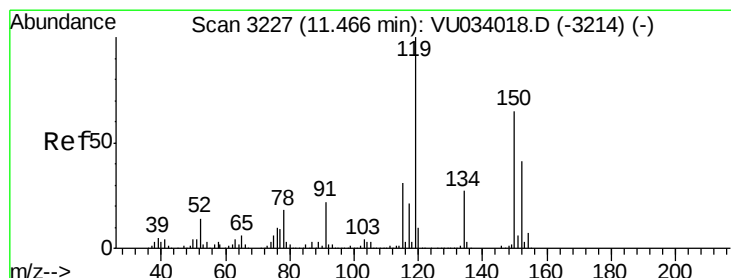
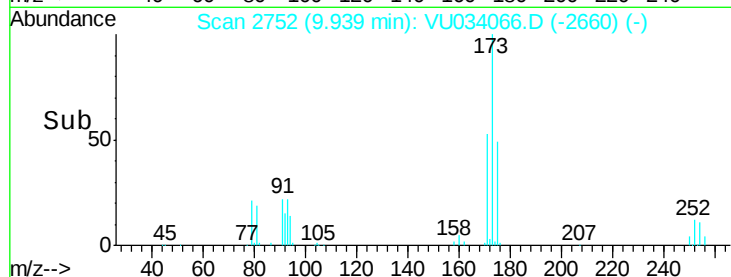
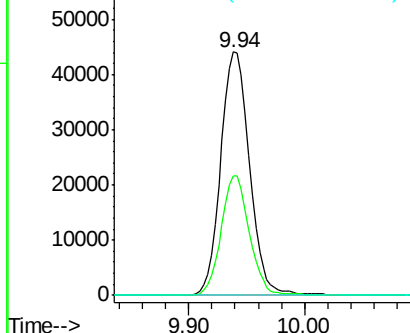
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.6
254	0.0	0.0	0.0

Manual Integrations
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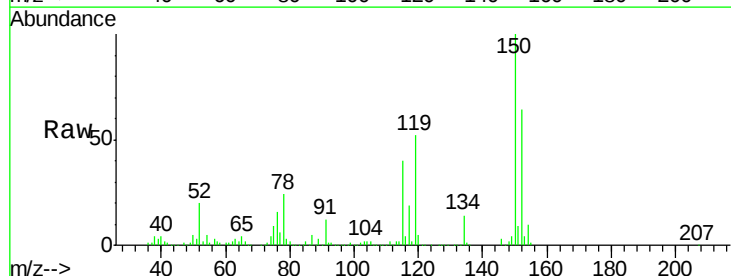


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

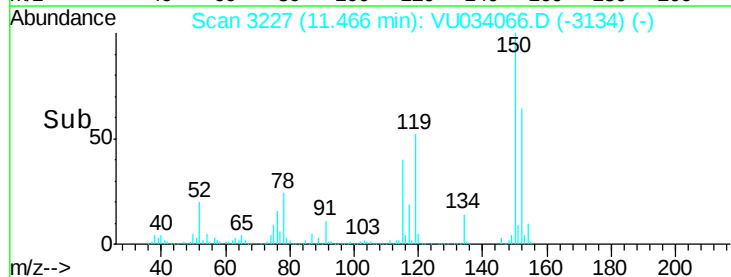
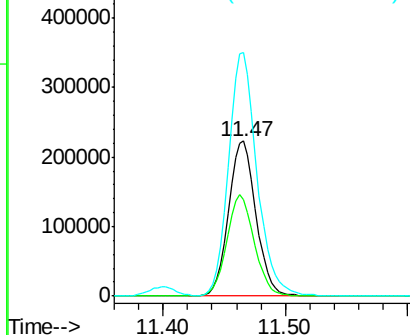


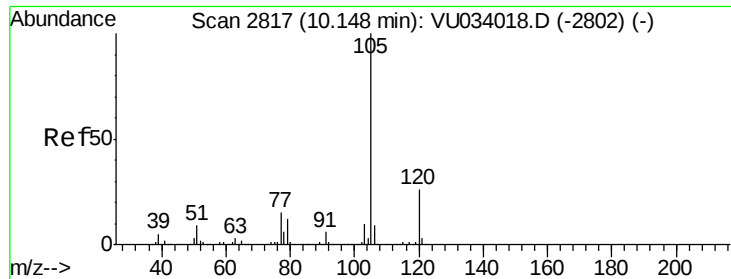
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	41.1	123.3
150	162.2	0.0	348.8



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





#73

Isopropylbenzene

Concen: 18.261 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion:105 Resp: 430101

Ion Ratio Lower Upper

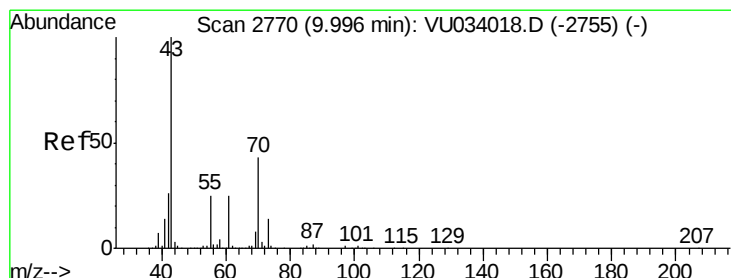
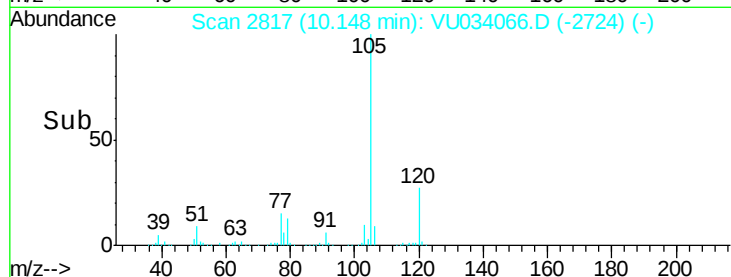
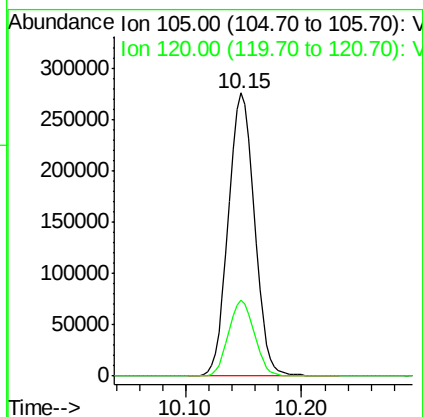
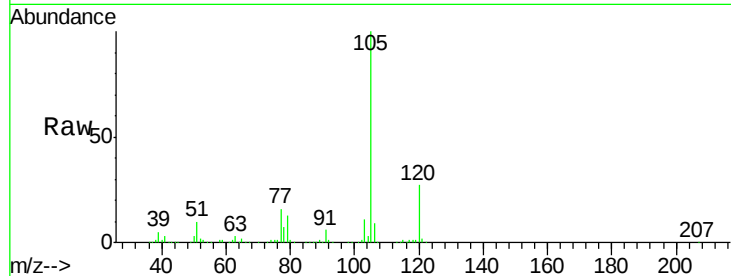
105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.675 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion: 43 Resp: 175090

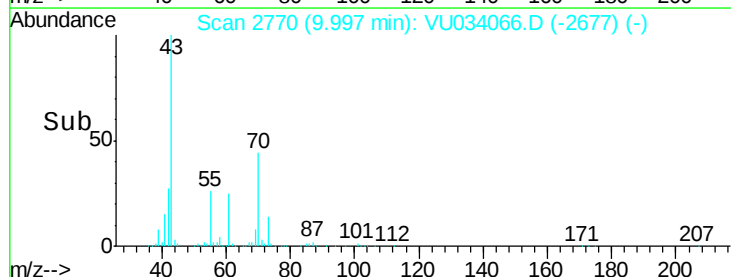
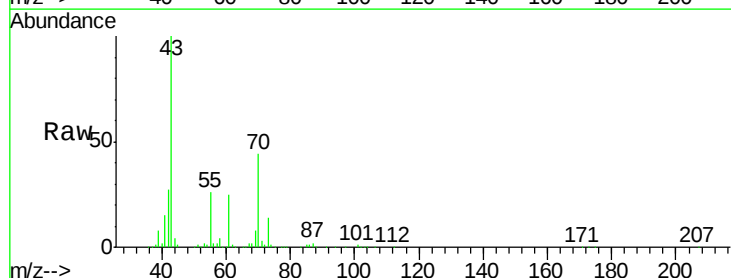
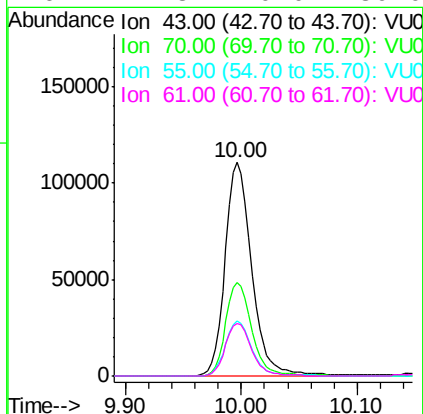
Ion Ratio Lower Upper

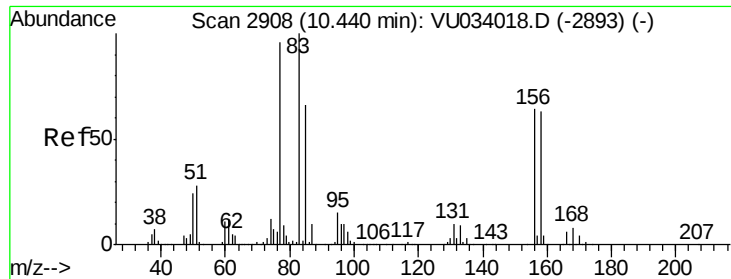
43 100

70 43.5 35.2 52.8

55 26.3 20.5 30.7

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.953 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

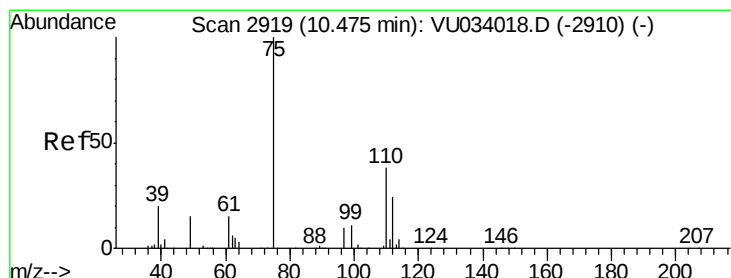
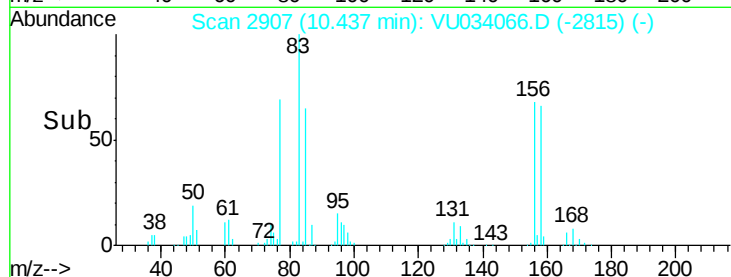
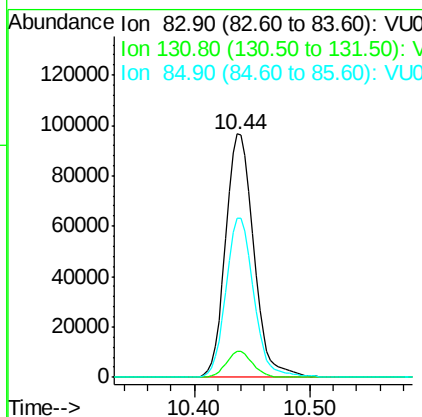
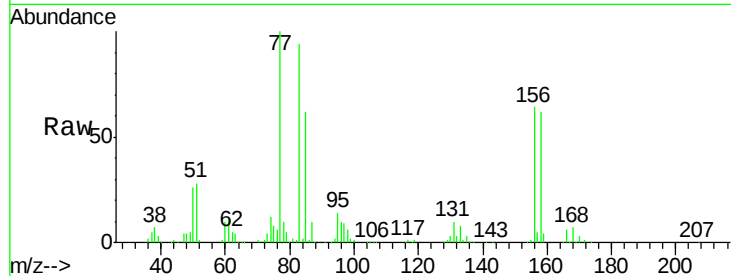
ClientSampleId :

VU0830WBS01

Tot Ion:	83	Resp:	161847
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.6	32.2	96.6

Manual Integrations
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9/3/2019 5:31:59 PM



#76

1,2,3-Trichloropropane

Concen: 17.677 ug/l m

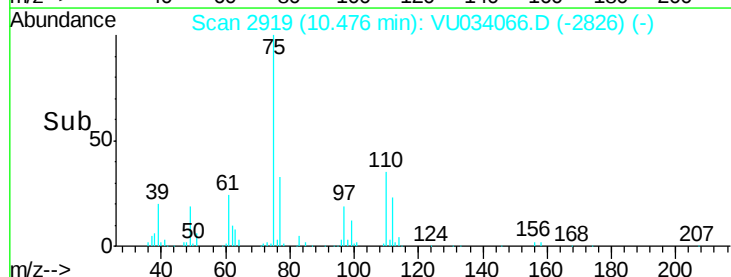
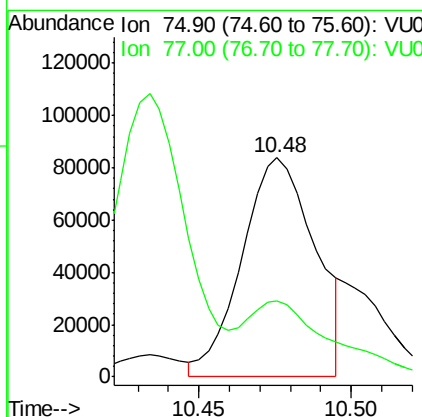
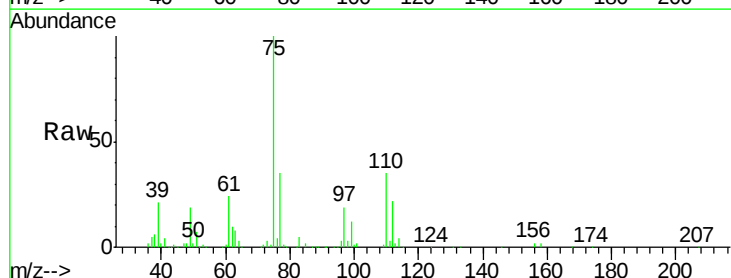
RT: 10.48 min Scan# 2919

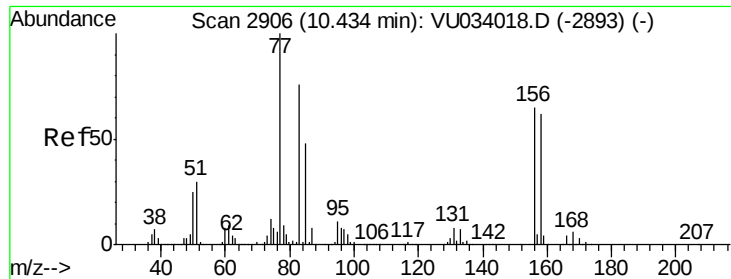
Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	75	Resp:	139701
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.1	60.2





#77

Bromobenzene

Concen: 18.102 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

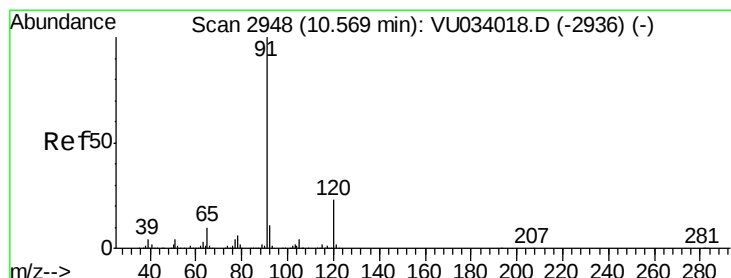
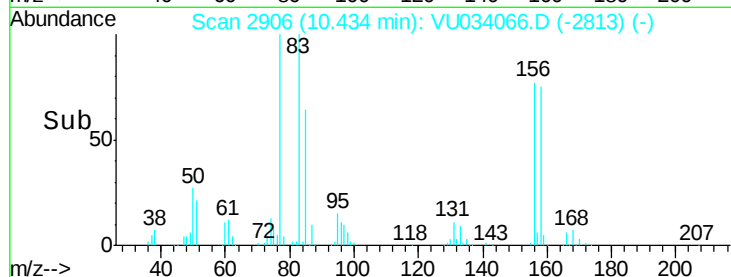
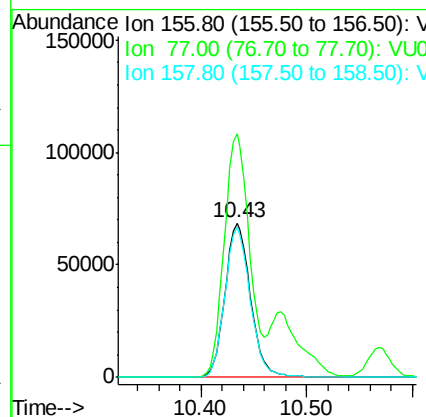
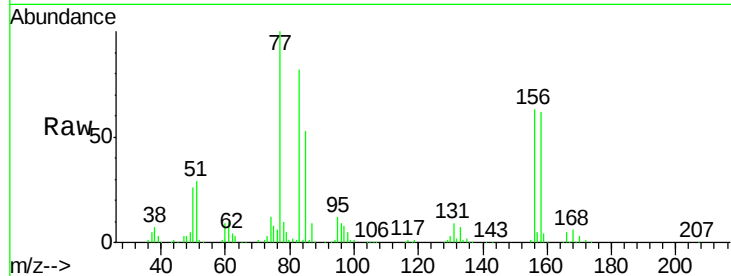
ClientSampleId :

VU0830WBS01

Tot Ion:	156	Resp:	114693
Ion Ratio	Lower	Upper	
156	100		
77	155.8	76.8	230.5
158	97.0	48.4	145.0

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#78

n-propylbenzene

Concen: 18.349 ug/l

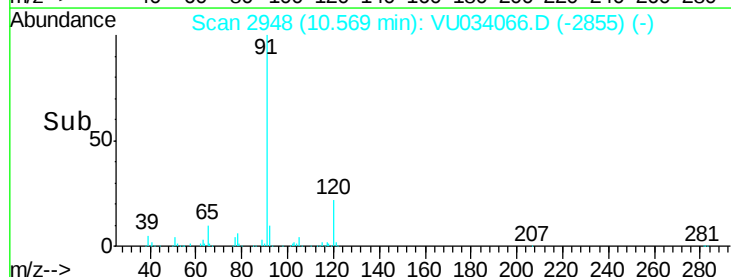
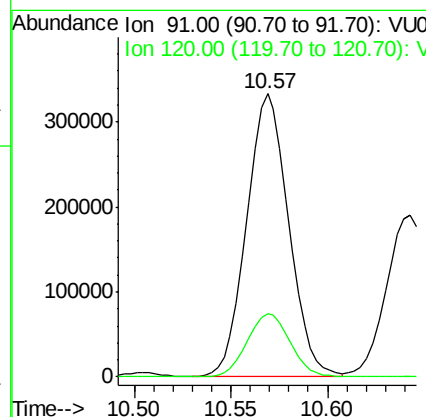
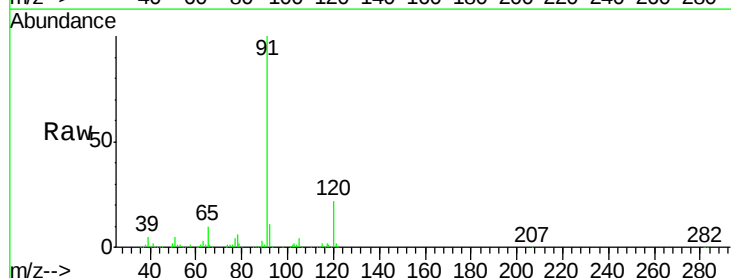
RT: 10.57 min Scan# 2948

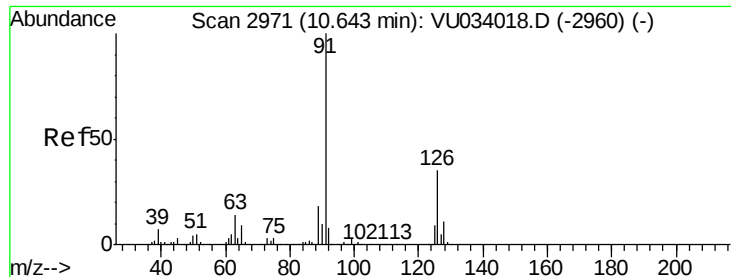
Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion:	91	Resp:	503318
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 18.571 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion: 91 Resp: 305541

Ion Ratio Lower Upper

91 100

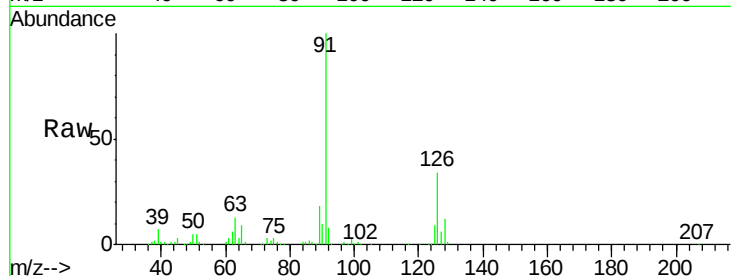
126 33.6 17.1 51.2

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

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

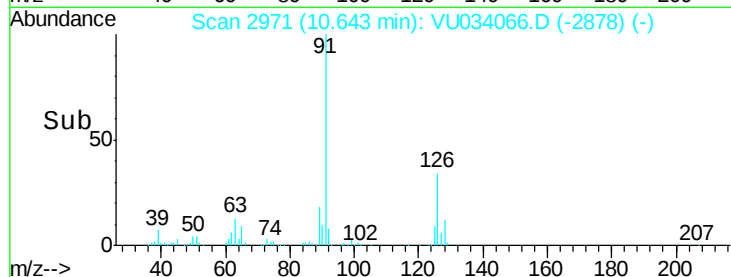
300000

200000

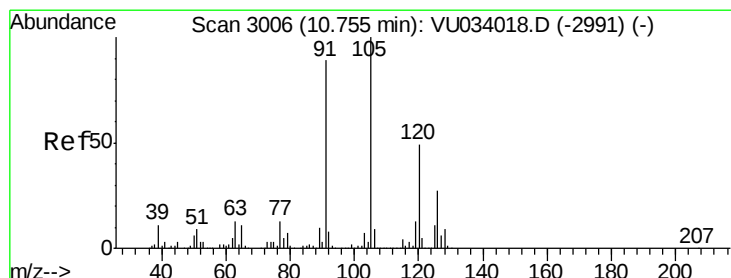
100000

0

10.60 10.65 10.70 10.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.807 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034066.D

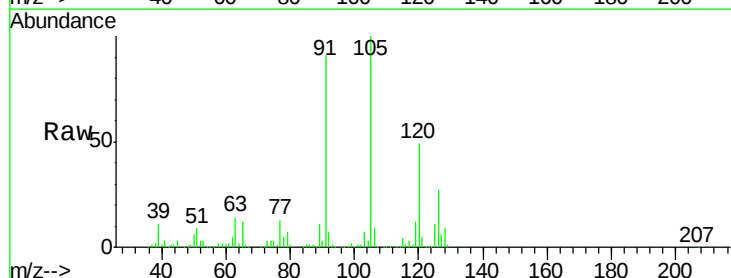
Acq: 29 Aug 2019 16:50

Tgt Ion: 105 Resp: 375436

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6



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

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

250000

200000

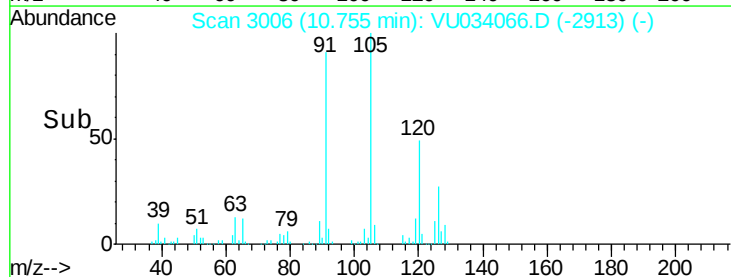
150000

100000

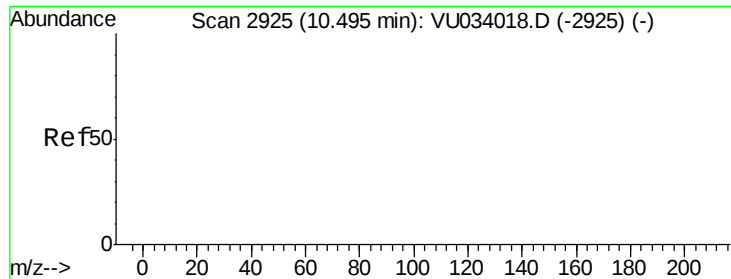
50000

0

10.70 10.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 16.491 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034066.D

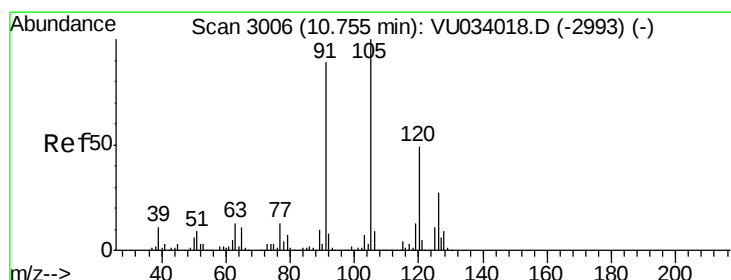
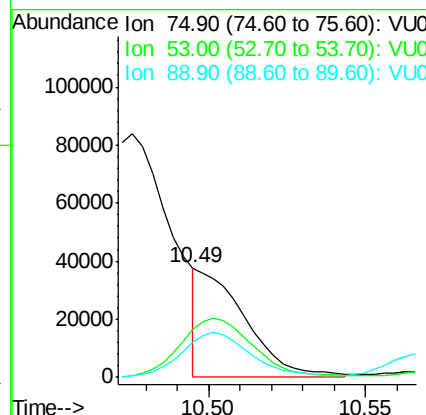
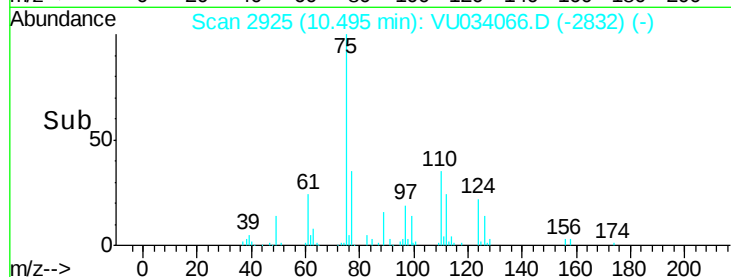
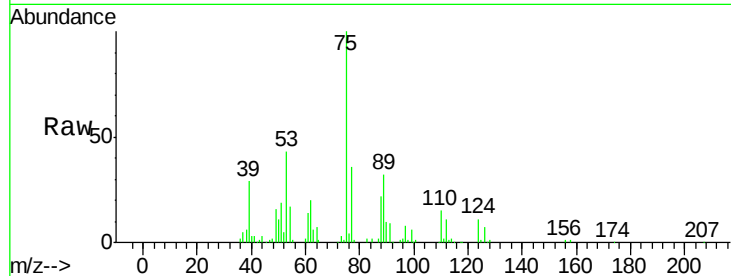
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampled :
VU0830WBS01

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

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#82

4-Chlorotoluene

Concen: 18.507 ug/l

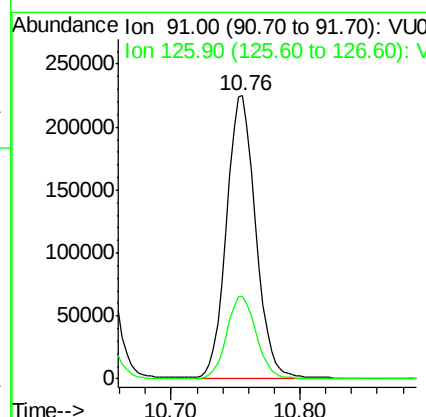
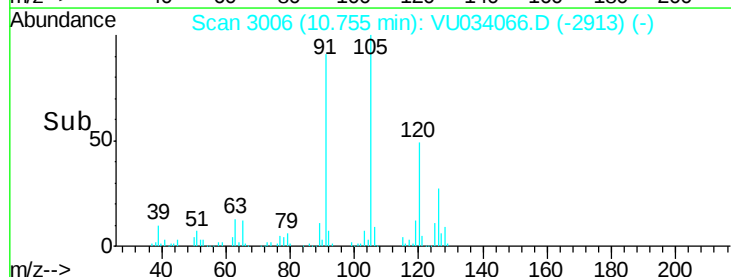
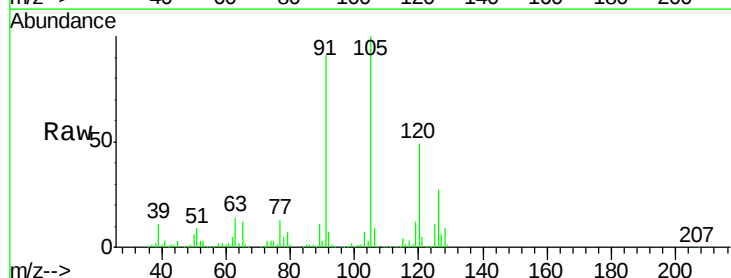
RT: 10.76 min Scan# 3006

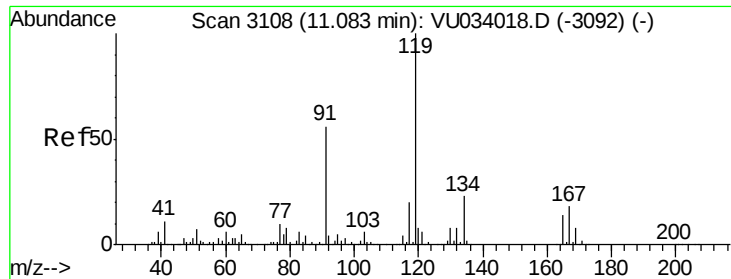
Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	15.0	45.1





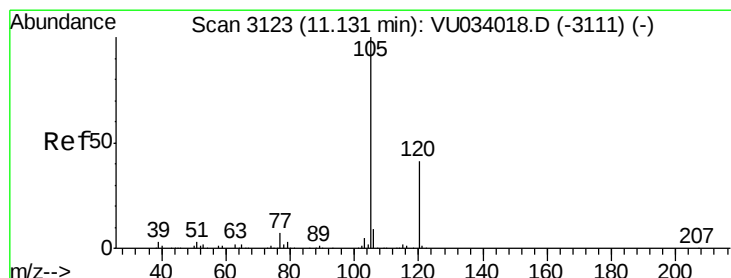
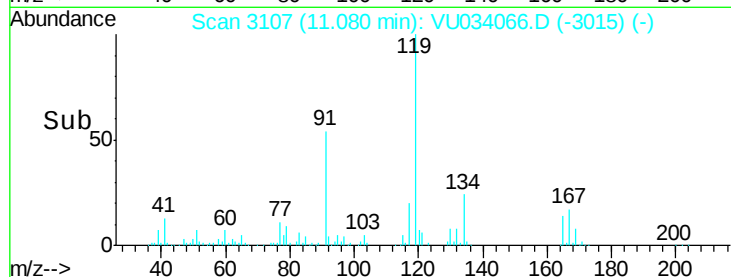
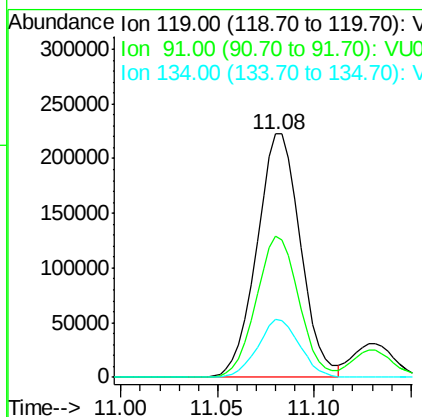
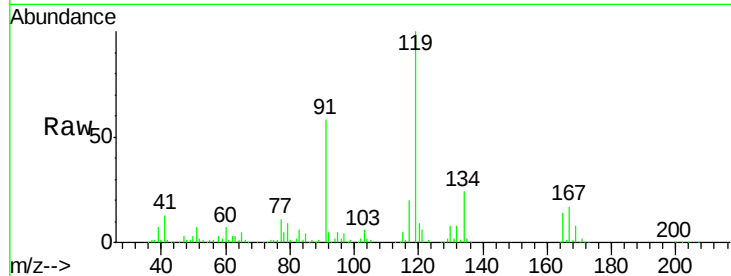
#83
tert-Butylbenzene
Concen: 17.784 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	349486		
91	56.3	27.9	83.6	
134	22.8	11.4	34.2	

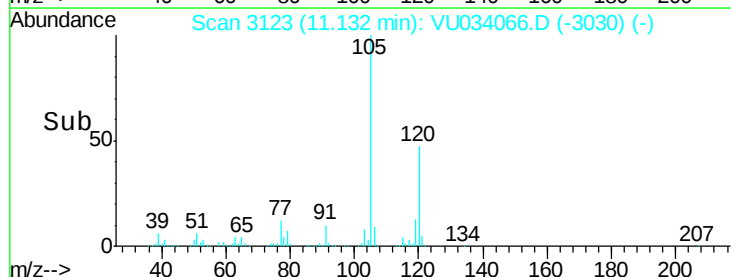
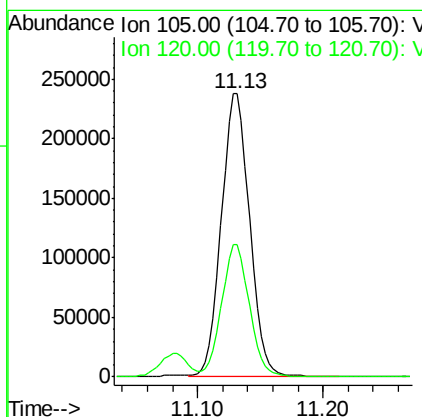
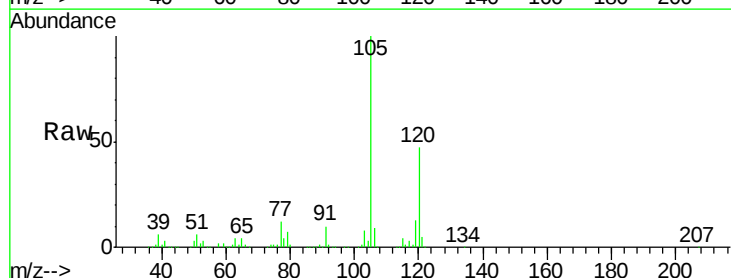
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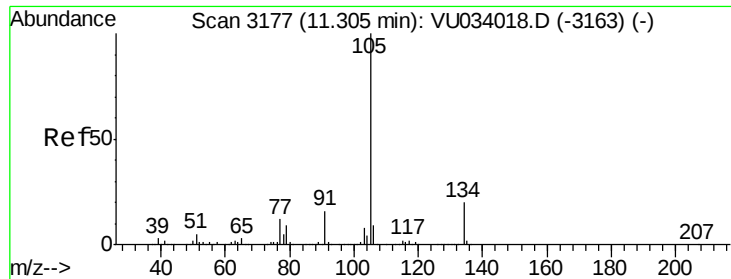
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#84
1,2,4-Trimethylbenzene
Concen: 18.726 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371211		
120	45.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 18.295 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tot Ion:105 Resp: 430924

Ion Ratio Lower Upper

105 100

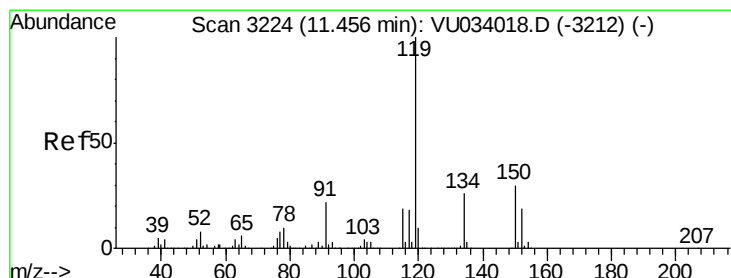
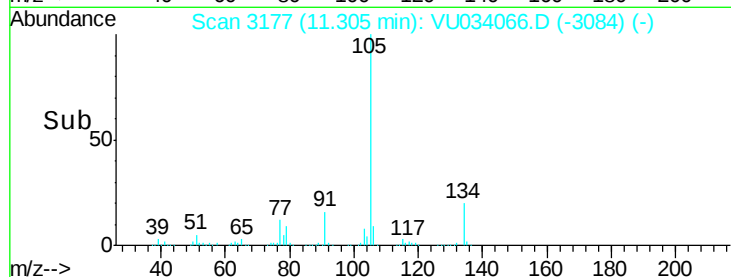
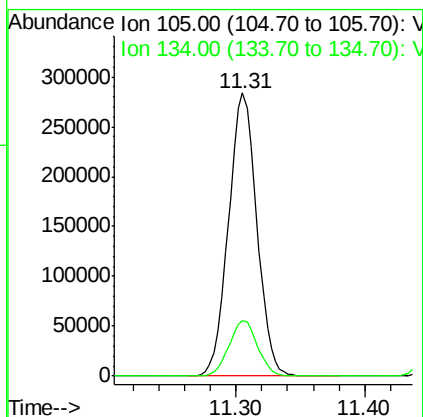
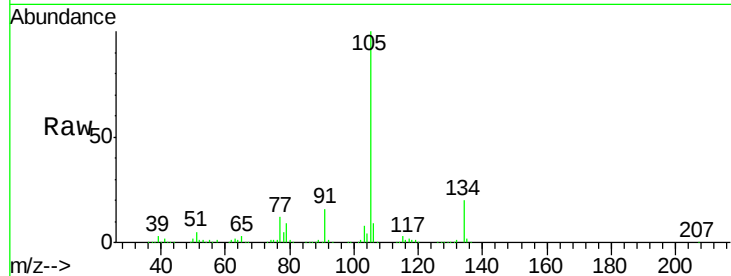
134 19.9 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 18.602 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

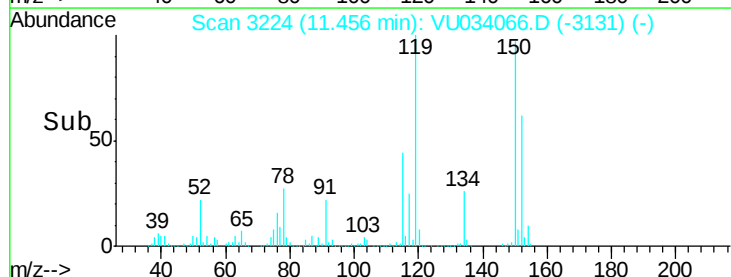
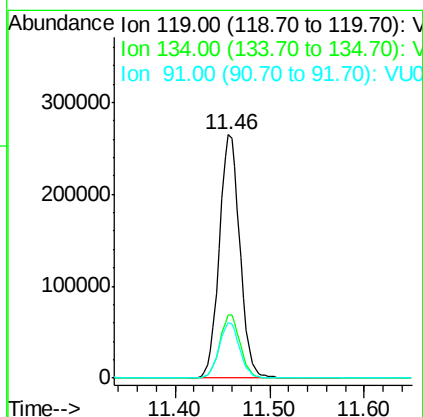
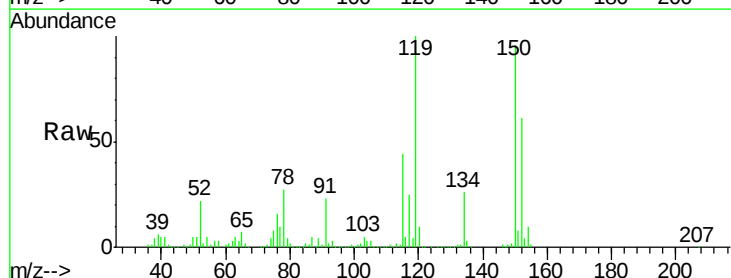
Tgt Ion:119 Resp: 396274

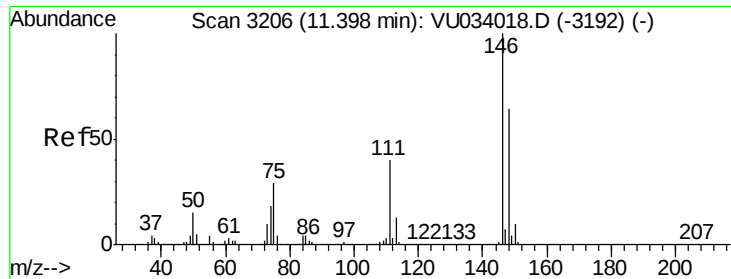
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 22.8 11.2 33.6





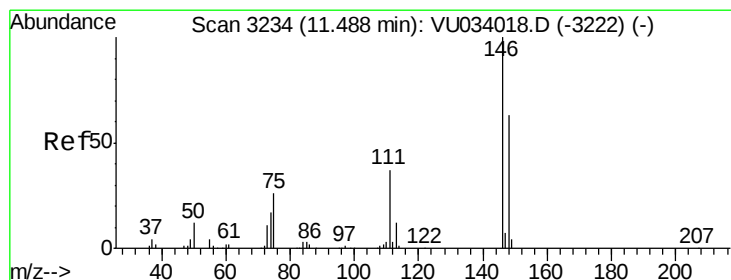
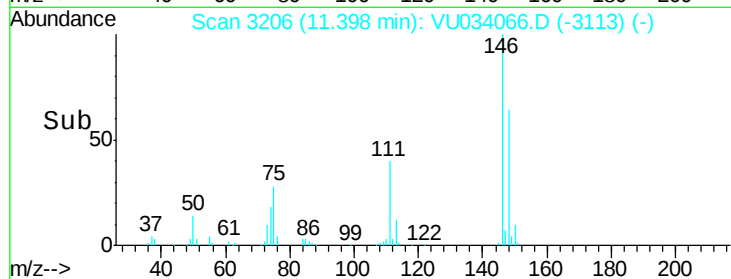
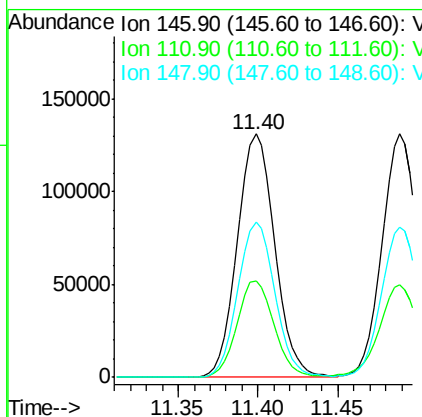
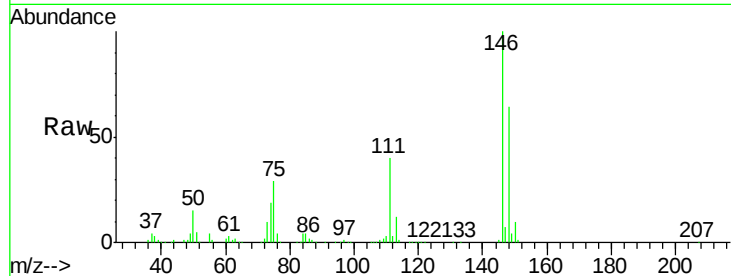
#87
 1,3-Dichlorobenzene
 Concen: 18.646 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	63.4	31.9	95.5

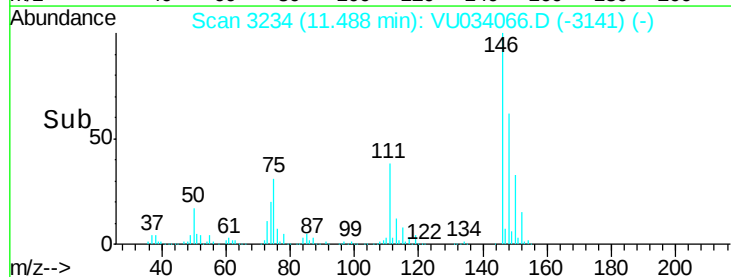
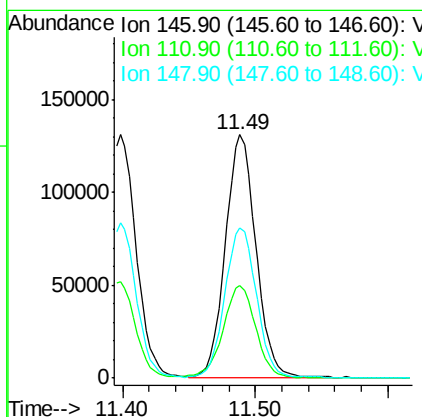
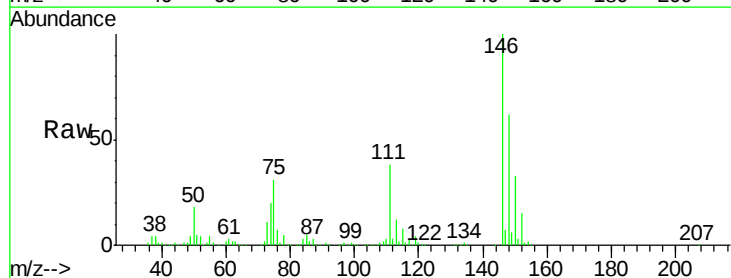
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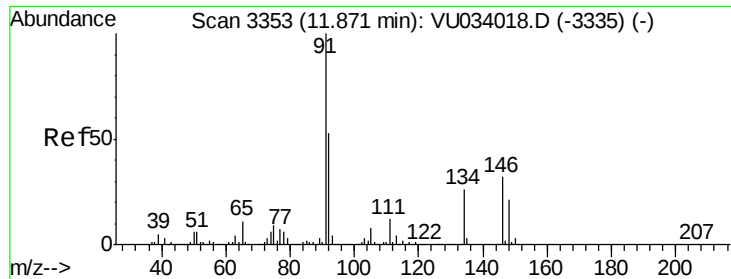
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#88
 1,4-Dichlorobenzene
 Concen: 18.417 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.2	57.6
148	64.0	31.9	95.9





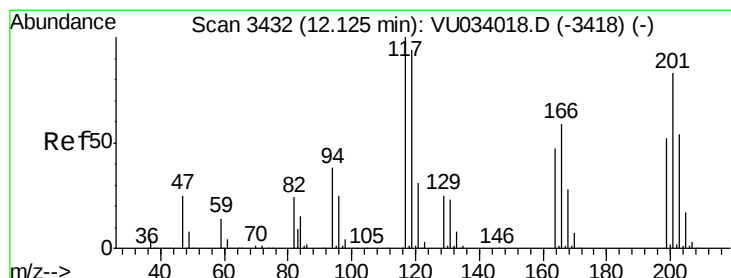
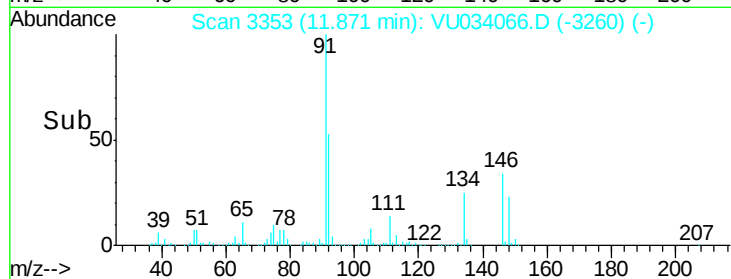
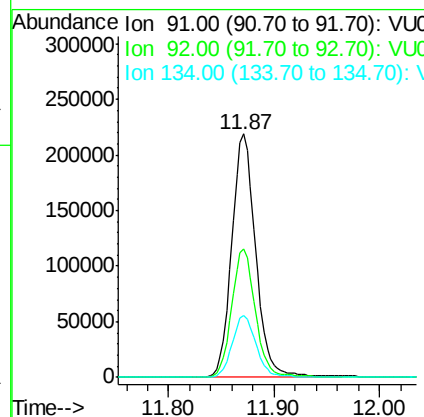
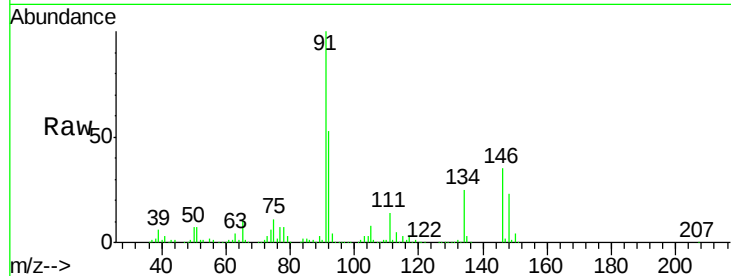
#89
n-Butylbenzene
Concen: 18.357 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	25.3	12.9	38.7

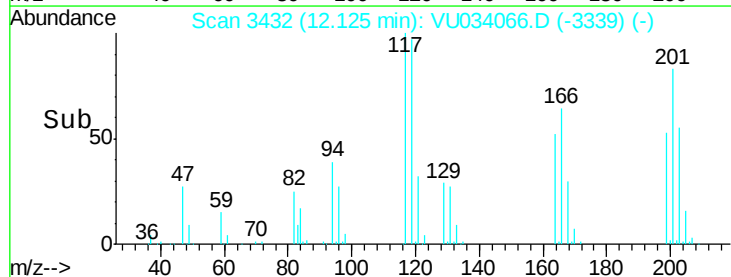
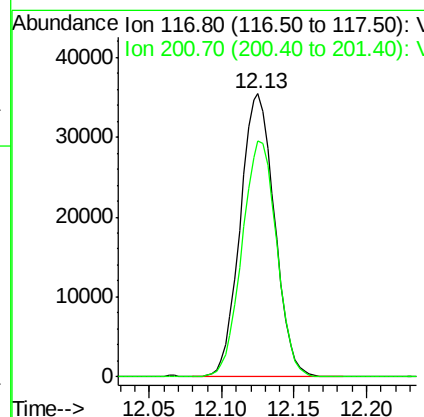
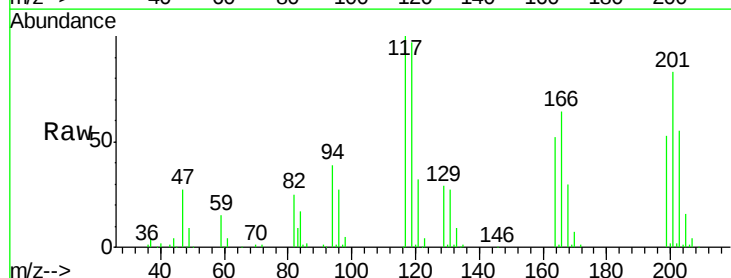
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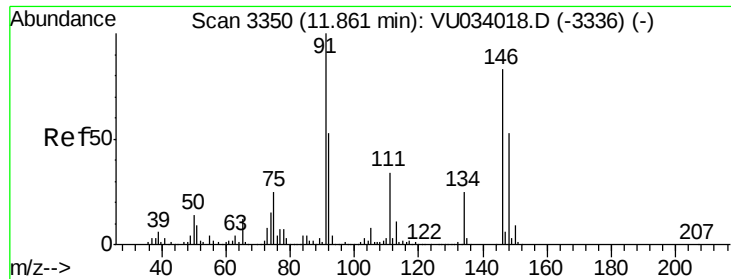
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#90
Hexachloroethane
Concen: 15.823 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.5	127.6





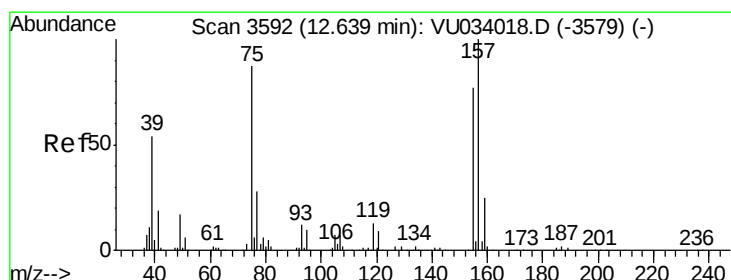
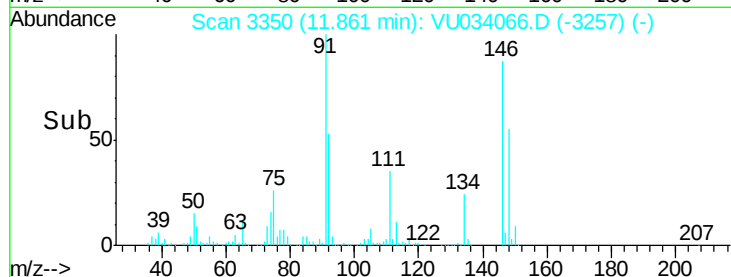
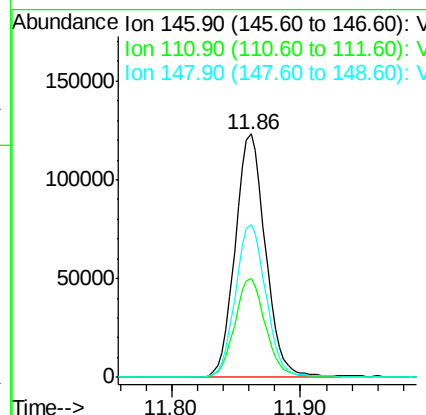
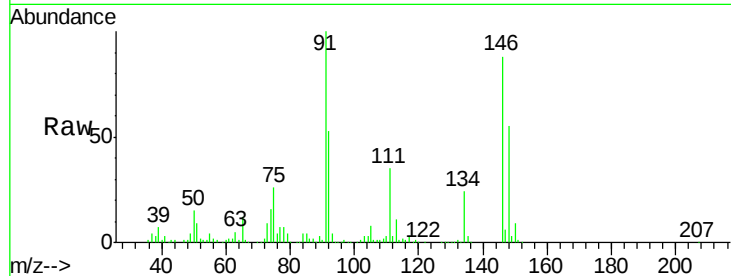
#91
 1,2-Dichlorobenzene
 Concen: 18.770 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201682		
111	41.2	20.4	61.2	
148	63.5	32.3	96.8	

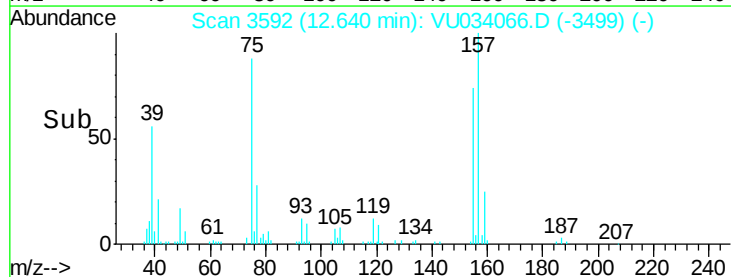
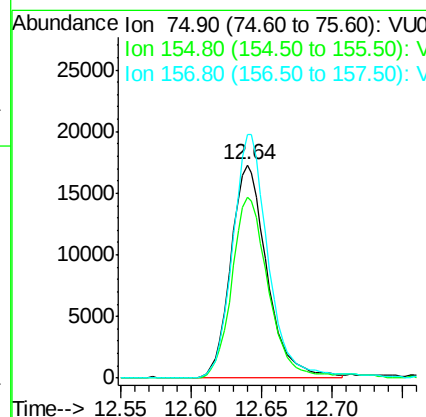
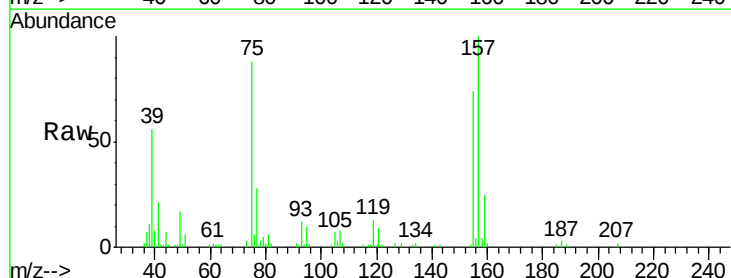
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.370 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31196		
155	84.4	43.5	130.7	
157	111.2	56.9	170.6	





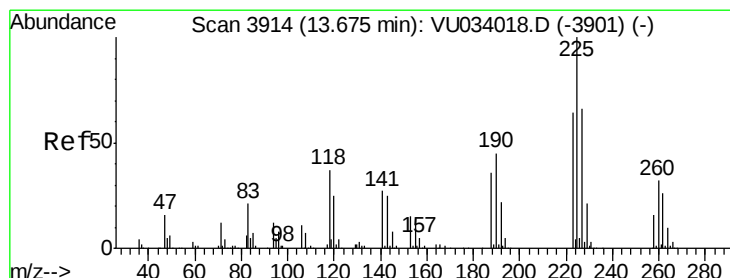
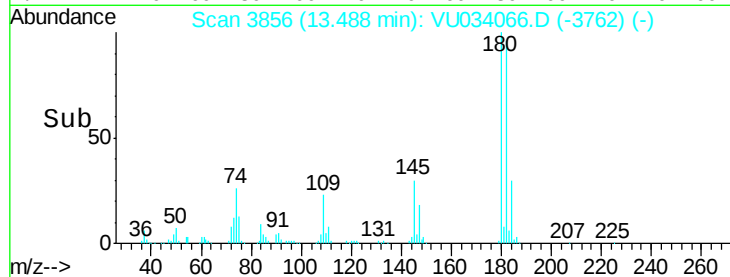
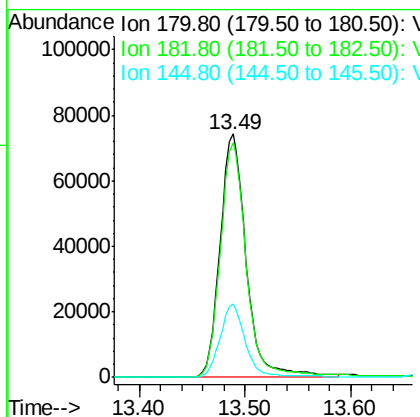
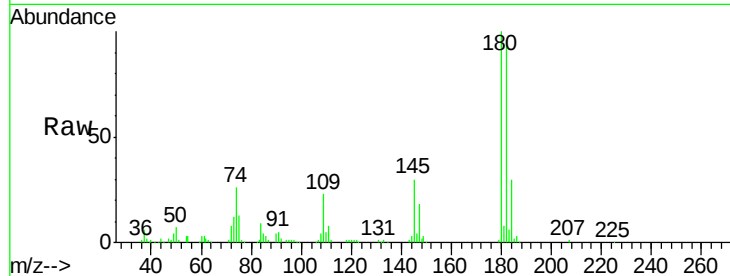
#93
 1,2,4-Trichlorobenzene
 Concen: 17.481 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127943		
182	95.3	47.4	142.2	
145	28.9	14.1	42.3	

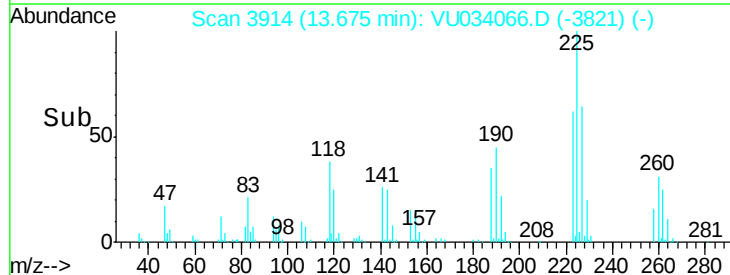
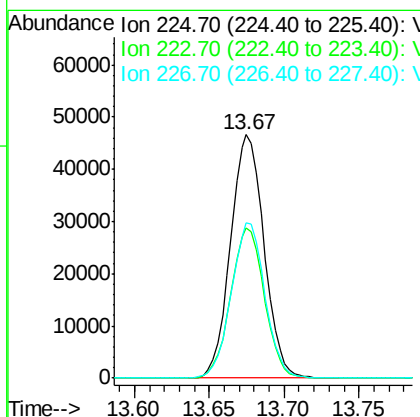
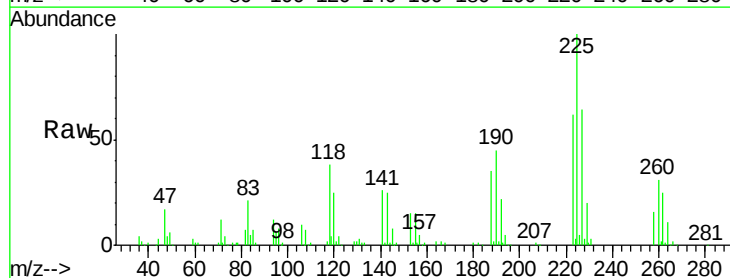
Manual Integrations
 APPROVED

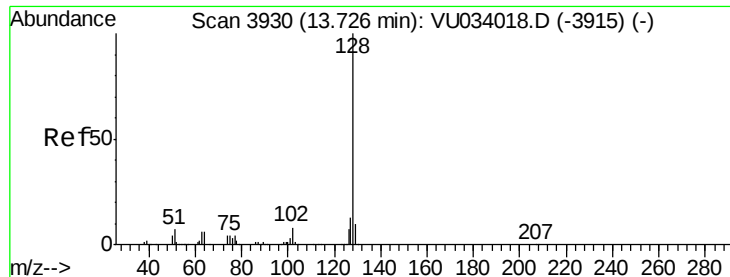
MMDadoda
 9/3/2019 5:31:59 PM



#94
 Hexachlorobutadiene
 Concen: 17.254 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72525		
223	62.0	31.8	95.3	
227	63.9	32.6	97.8	





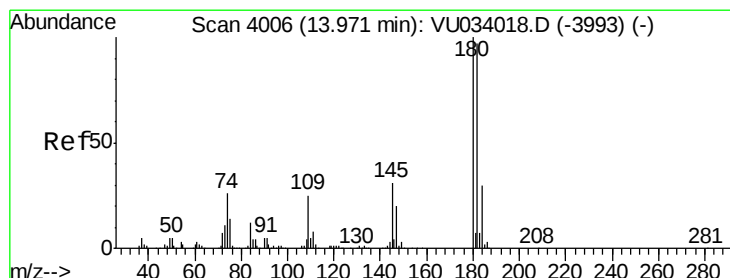
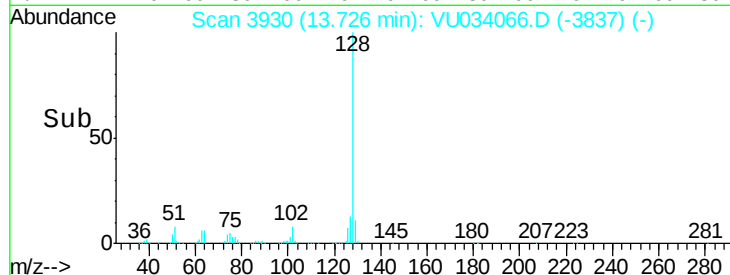
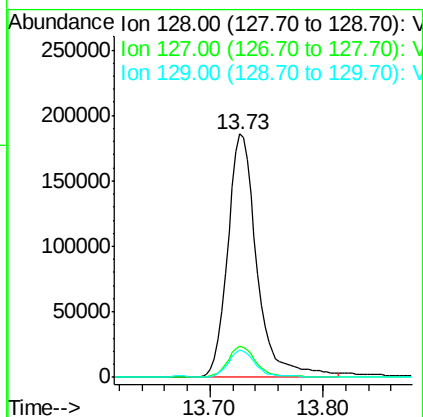
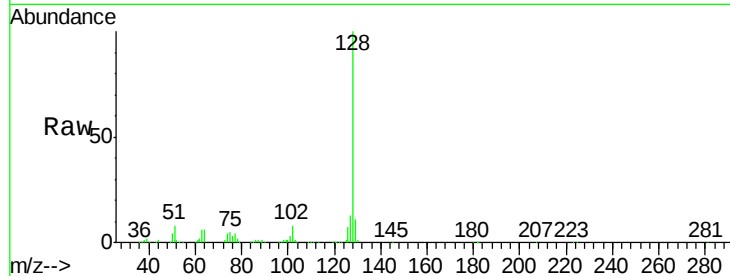
#95
Naphthalene
Concen: 16.533 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 5:31:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.511 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.2	144.6
145	31.1	15.5	46.5

