

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034135.D
 Acq On : 31 Aug 2019 21:07
 Operator : JC/SP
 Sample : VU0902WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:32:20 AM

Quant Time: Sep 01 05:07:48 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	418450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	684326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	646380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	341238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	266741	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	4.86	113	224101	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	7.55	98	862418	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.29	95	316162	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79892	18.984	ug/l	100
3) Chloromethane	1.32	50	103567	17.049	ug/l	100
4) Vinyl Chloride	1.40	62	104030	18.573	ug/l	96
5) Bromomethane	1.62	94	60986	19.021	ug/l	97
6) Chloroethane	1.69	64	63862	18.649	ug/l	99
7) Trichlorofluoromethane	1.88	101	124265	19.147	ug/l	98
8) Diethyl Ether	2.09	74	54623	19.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	79996	19.457	ug/l	100
10) Methyl Iodide	2.40	142	51446	8.821	ug/l	100
11) Tert butyl alcohol	2.81	59	97845	79.134	ug/l	100
12) 1,1-Dichloroethene	2.27	96	82987	19.810	ug/l	99
13) Acrolein	2.18	56	35723	68.679	ug/l	99
14) Allyl chloride	2.58	41	145527m	18.477	ug/l	
15) Acrylonitrile	2.92	53	271638	95.739	ug/l	99
16) Acetone	2.31	43	224165	81.937	ug/l	97
17) Carbon Disulfide	2.46	76	228495	17.234	ug/l	98
18) Methyl Acetate	2.60	43	131028	18.533	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	277116	20.190	ug/l	100
20) Methylene Chloride	2.68	84	99328	19.178	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	88951	19.565	ug/l	97
22) Diisopropyl ether	3.55	45	291407	20.191	ug/l	93
23) Vinyl Acetate	3.50	43	1191950	96.141	ug/l	100
24) 1,1-Dichloroethane	3.43	63	172475	20.242	ug/l	99
25) 2-Butanone	4.24	43	343923	90.358	ug/l	99
26) 2,2-Dichloropropane	4.20	77	110195	15.893	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	99854	19.568	ug/l	97
28) Bromochloromethane	4.52	49	90731	21.613	ug/l	100
29) Tetrahydrofuran	4.61	42	225784	96.189	ug/l	99
30) Chloroform	4.65	83	170987	20.113	ug/l	99
31) Cyclohexane	4.97	56	146220	18.262	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	136926	19.666	ug/l	99
36) 1,1-Dichloropropene	5.12	75	117793	18.198	ug/l	99
37) Ethyl Acetate	4.36	43	129773	17.904	ug/l	100
38) Carbon Tetrachloride	5.11	117	117324	18.778	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	130585	17.117	ug/l	97
40) Benzene	5.37	78	373792	19.087	ug/l	100
41) Methacrylonitrile	4.52	41	68886	18.531	ug/l	98
42) 1,2-Dichloroethane	5.38	62	128833	19.051	ug/l	99
43) Isopropyl Acetate	5.53	43	198261	17.979	ug/l	100
44) Trichloroethene	6.17	130	98363	19.127	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102949	19.097	ug/l	100
46) Dibromomethane	6.54	93	66461	19.135	ug/l	100
47) Bromodichloromethane	6.74	83	128706	18.941	ug/l	98
48) Methyl methacrylate	6.60	41	92526	17.388	ug/l	99
49) 1,4-Dioxane	6.59	88	35127	263.463	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	670381	88.027	ug/l	100
52) Toluene	7.62	92	230889	19.139	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	127182	16.868	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	146925	17.836	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	94409	18.501	ug/l	99
56) Ethyl methacrylate	8.00	69	132828	16.359	ug/l	98
57) 1,3-Dichloropropane	8.22	76	161871	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215657	76.389	ug/l	99
59) 2-Hexanone	8.34	43	499880	86.949	ug/l	97
60) Dibromochloromethane	8.46	129	99838	18.226	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97302	18.101	ug/l	100
64) Tetrachloroethene	8.21	164	93179	21.466	ug/l	98
65) Chlorobenzene	9.10	112	254019	19.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	88550	18.359	ug/l	99
67) Ethyl Benzene	9.23	91	425467	18.869	ug/l	98
68) m/p-Xylenes	9.36	106	330075	38.498	ug/l	99
69) o-Xylene	9.76	106	155367	18.888	ug/l	97
70) Styrene	9.77	104	273541	19.395	ug/l	100
71) Bromoform	9.94	173	72713	17.351	ug/l #	98
73) Isopropylbenzene	10.15	105	426146	18.592	ug/l	99
74) N-amyl acetate	10.00	43	164419	17.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	156563	17.846	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	134488m	17.487	ug/l	
77) Bromobenzene	10.43	156	113672	18.436	ug/l	99
78) n-propylbenzene	10.57	91	493612	18.492	ug/l	99
79) 2-Chlorotoluene	10.64	91	300351	18.759	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	362118	18.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34655m	15.173	ug/l	
82) 4-Chlorotoluene	10.75	91	342942	18.624	ug/l	98
83) tert-Butylbenzene	11.08	119	337710	17.659	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	360847	18.706	ug/l	100
85) sec-Butylbenzene	11.31	105	409971	17.886	ug/l	100
86) p-Isopropyltoluene	11.46	119	374158	18.049	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202915	18.589	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	207745	18.819	ug/l	99
89) n-Butylbenzene	11.87	91	316869	17.337	ug/l	99
90) Hexachloroethane	12.12	117	53769	15.002	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	200223	19.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29041	16.616	ug/l	99

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QLast Update : Thu Aug 29 04:11:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	122139	17.170	ug/l	99
94) Hexachlorobutadiene	13.67	225	60283	14.737	ug/l	99
95) Naphthalene	13.73	128	334643	16.939	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	122576	18.300	ug/l	99

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

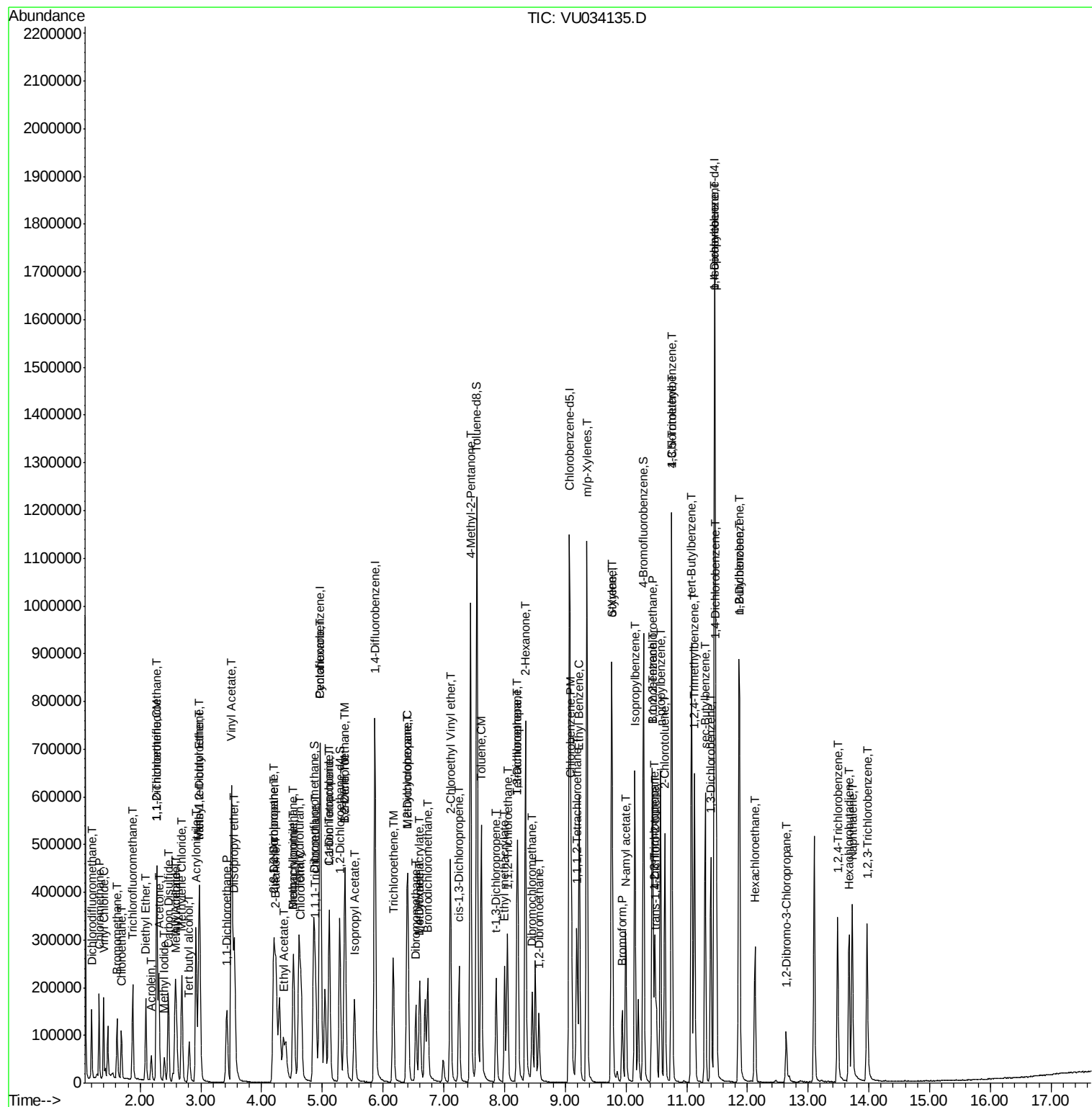
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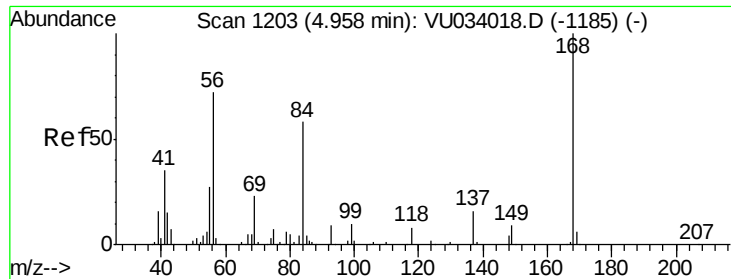
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion:168 Resp: 418450

Ion Ratio Lower Upper

168 100

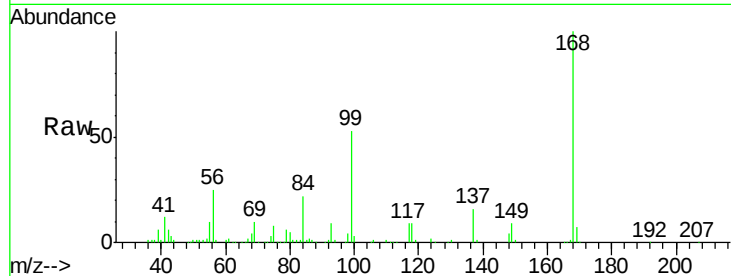
99 53.0 42.3 63.5

Manual Integrations

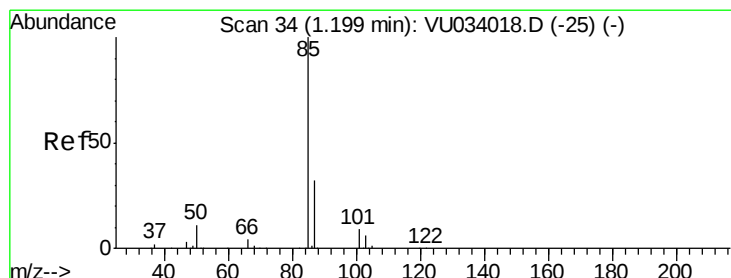
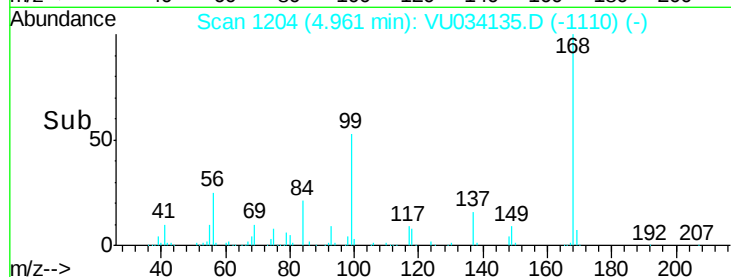
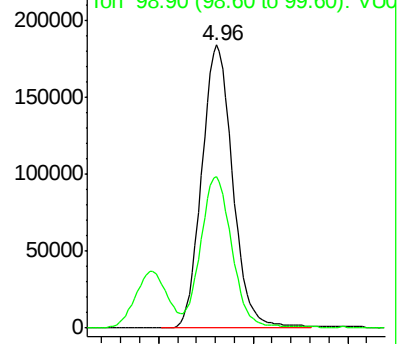
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9/3/2019 11:32:20 AM



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)



#2

Dichlorodifluoromethane

Concen: 18.984 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034135.D

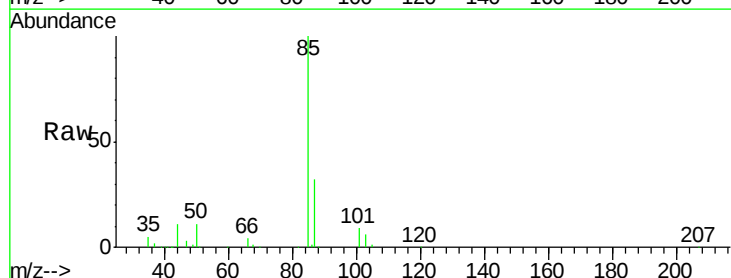
Acq: 31 Aug 2019 21:07

Tgt Ion: 85 Resp: 79892

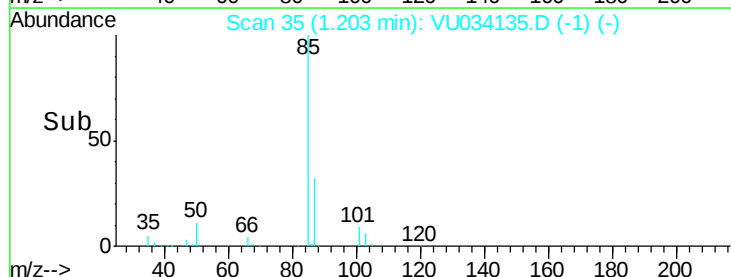
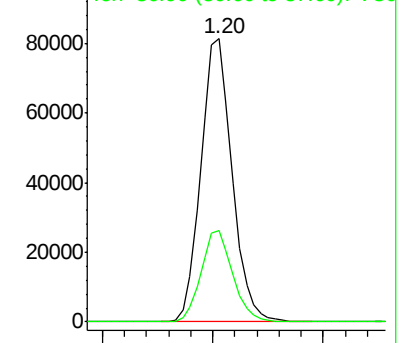
Ion Ratio Lower Upper

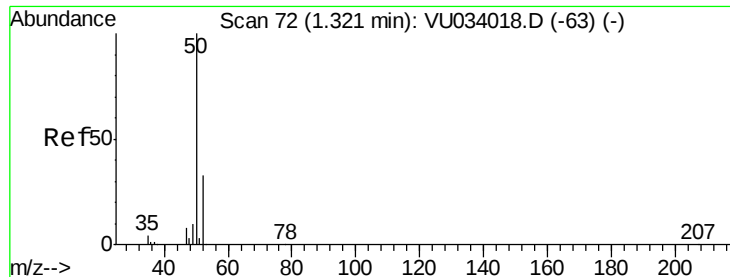
85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)





#3

Chloromethane

Concen: 17.049 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 50 Resp: 103567

Ion Ratio Lower Upper

50 100

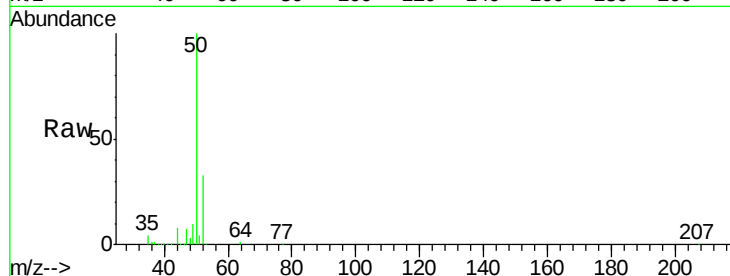
52 32.8 26.2 39.4

Manual Integrations

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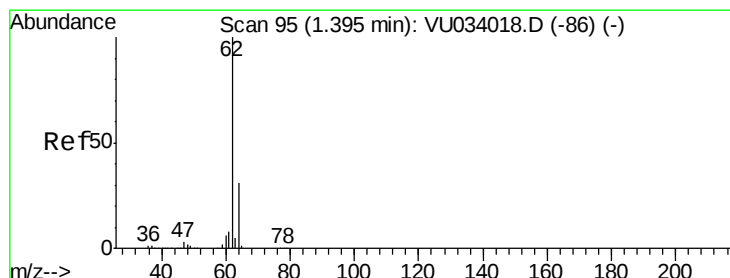
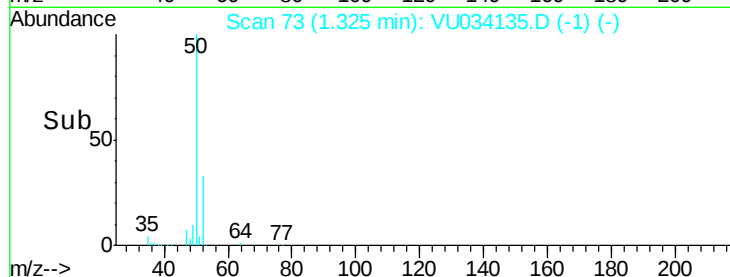
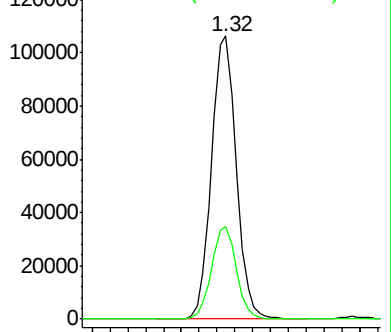
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.573 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034135.D

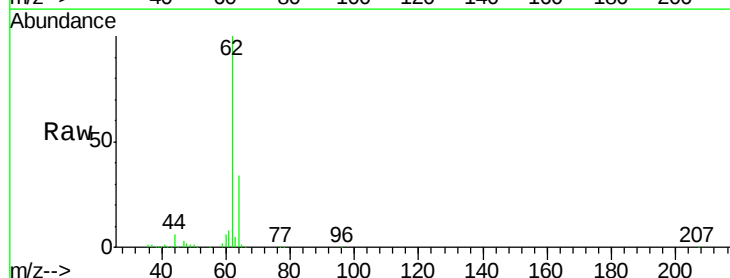
Acq: 31 Aug 2019 21:07

Tgt Ion: 62 Resp: 104030

Ion Ratio Lower Upper

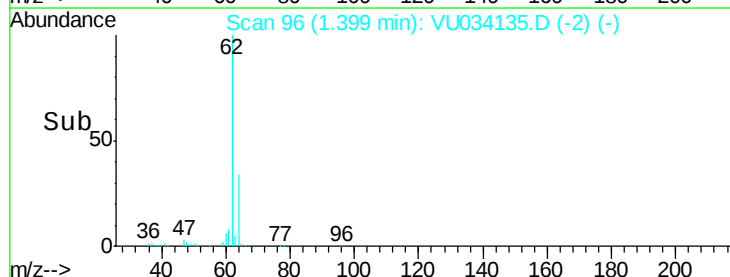
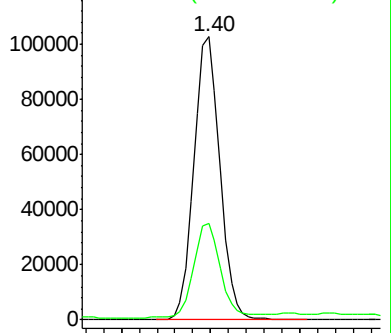
62 100

64 33.3 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: 19.021 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 94 Resp: 60986

Ion Ratio Lower Upper

94 100

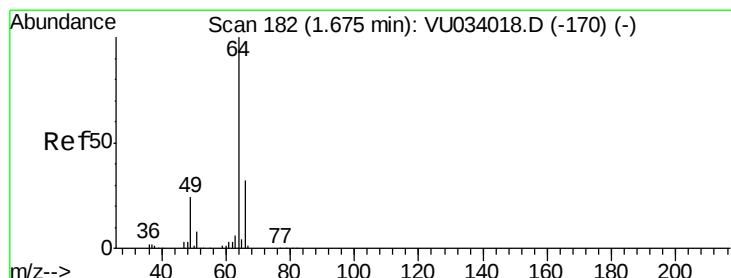
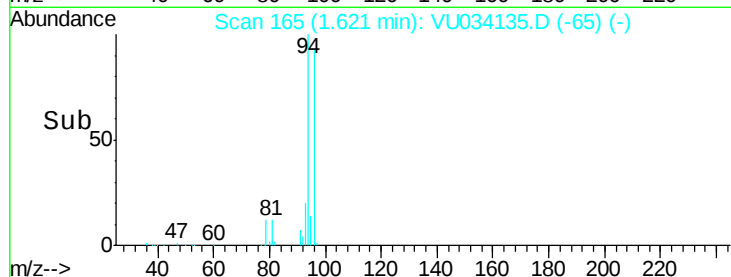
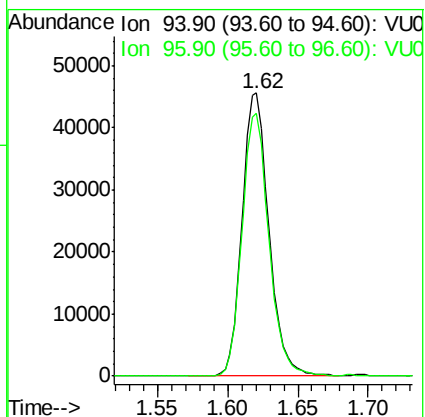
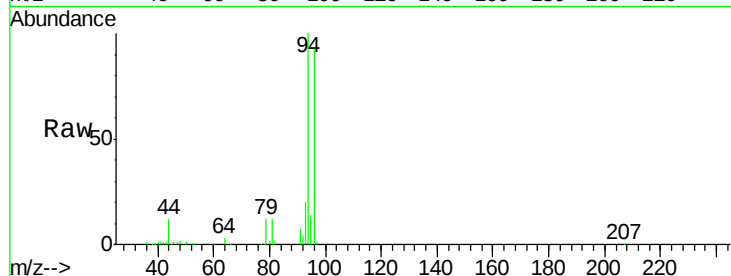
96 92.7 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 18.649 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034135.D

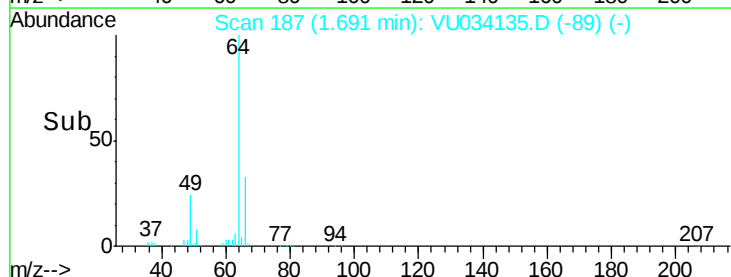
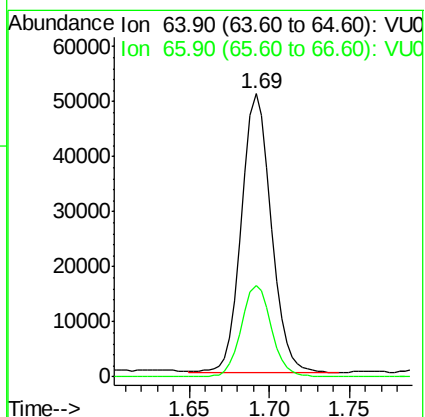
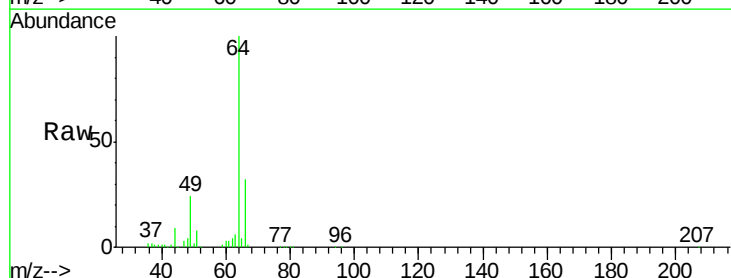
Acq: 31 Aug 2019 21:07

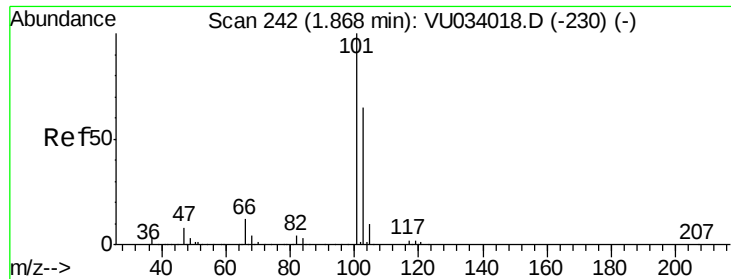
Tgt Ion: 64 Resp: 63862

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

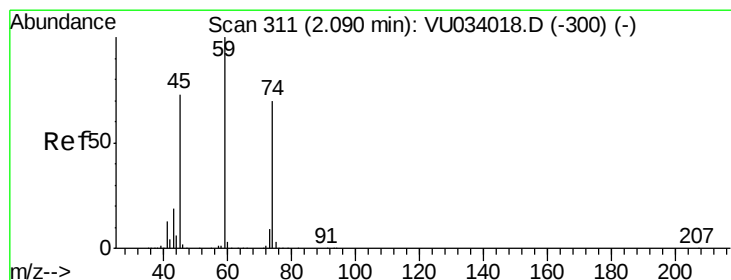
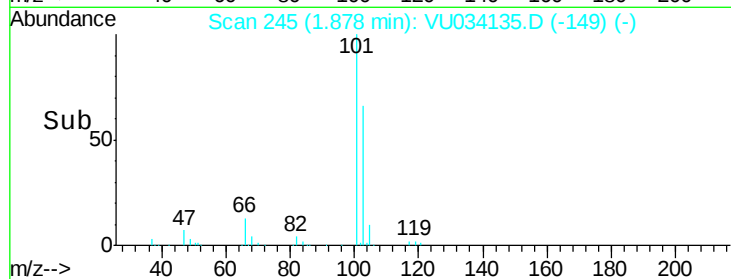
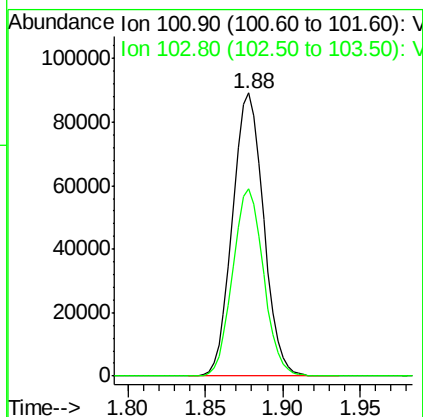
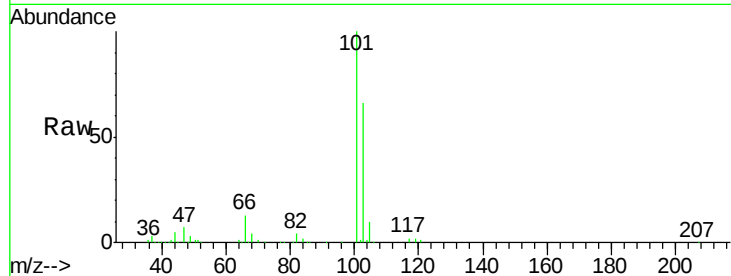
Trichlorofluoromethane
 Concen: 19.147 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034135.D
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Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	124265		
103	66.3	52.1	78.1	

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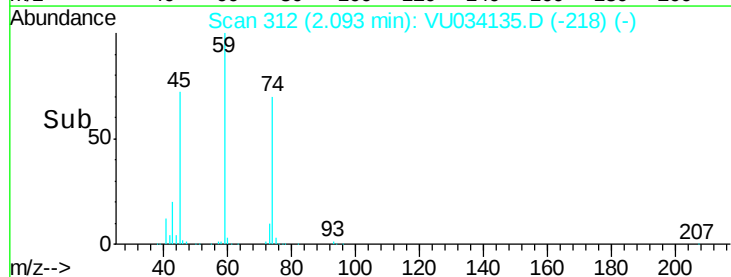
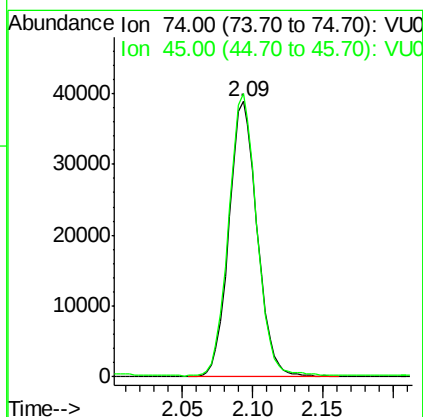
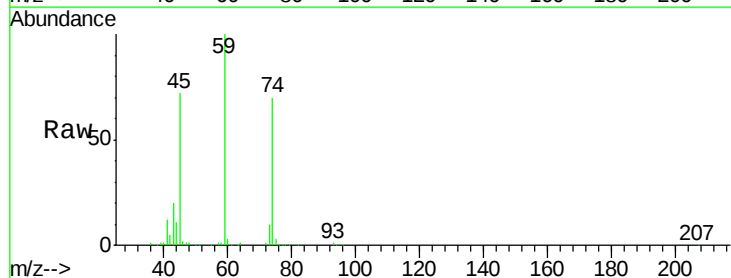
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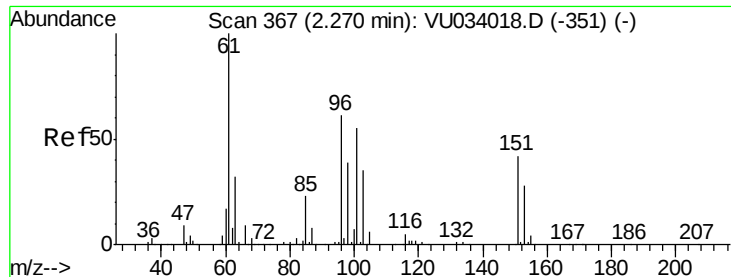


#8

Diethyl Ether
 Concen: 19.674 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54623		
45	102.0	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.457 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

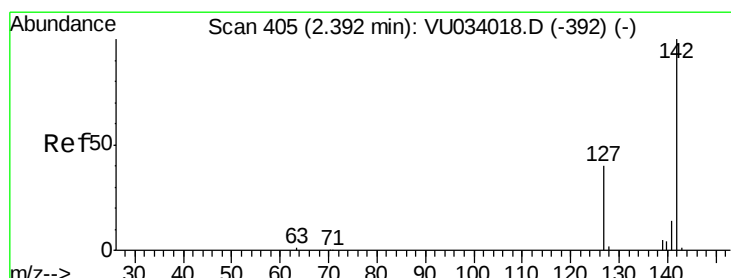
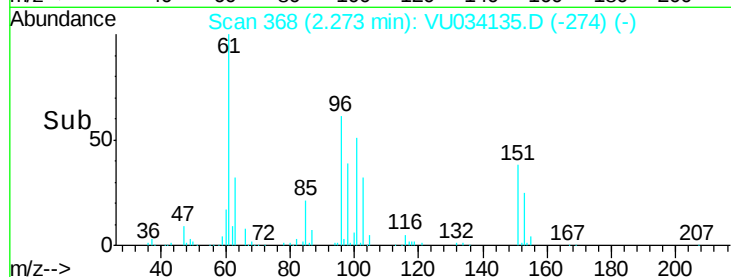
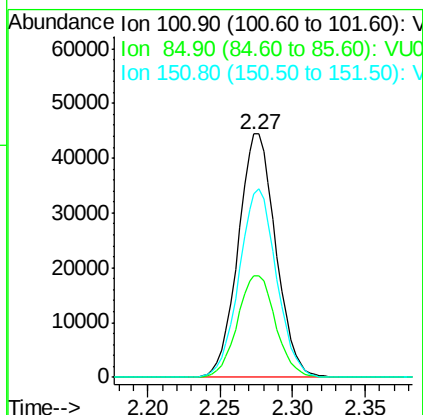
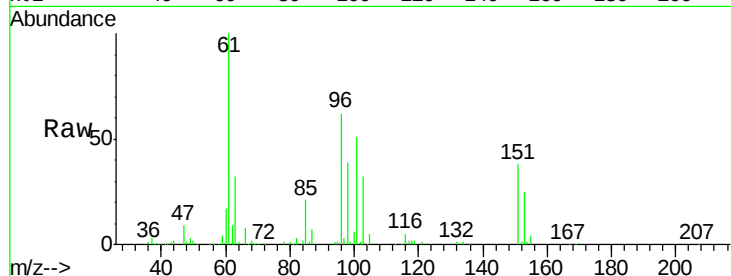
ClientSampleId :

VU0902WBS01

Tot Ion:	101	Resp:	79996
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	76.9	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 8.821 ug/l

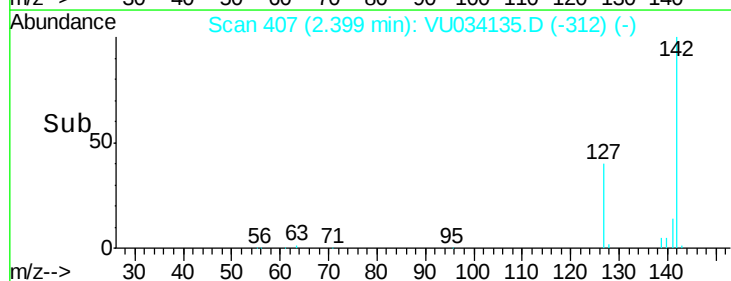
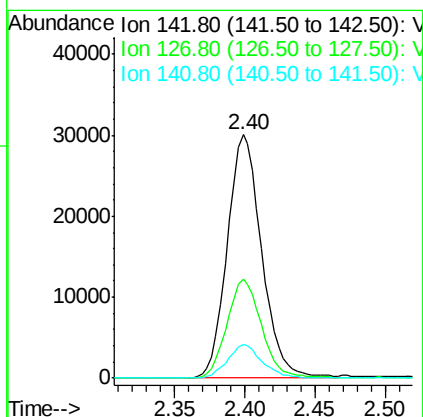
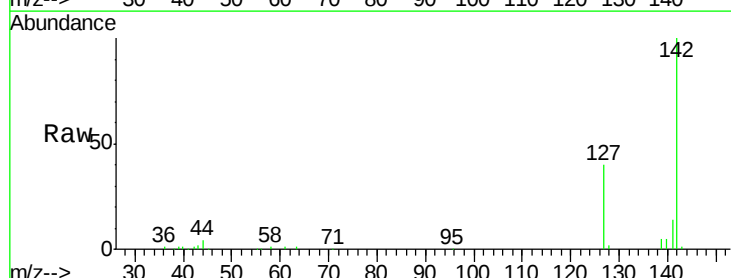
RT: 2.40 min Scan# 407

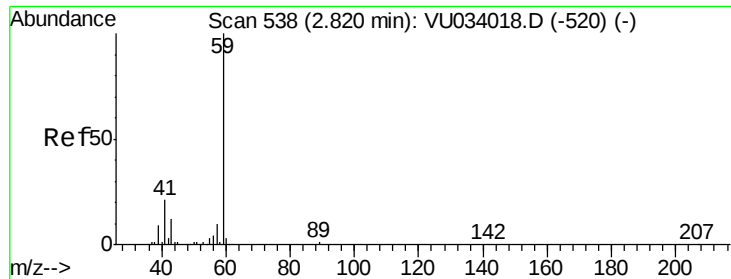
Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	142	Resp:	51446
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.6	48.8
141	13.6	11.3	16.9





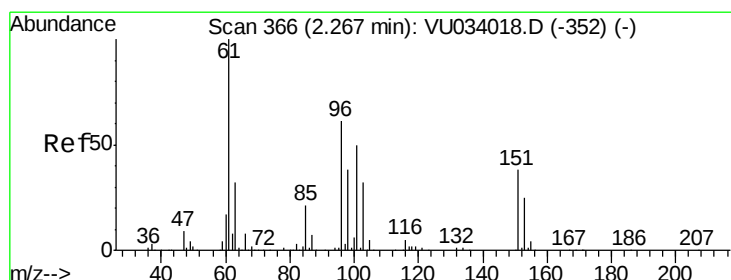
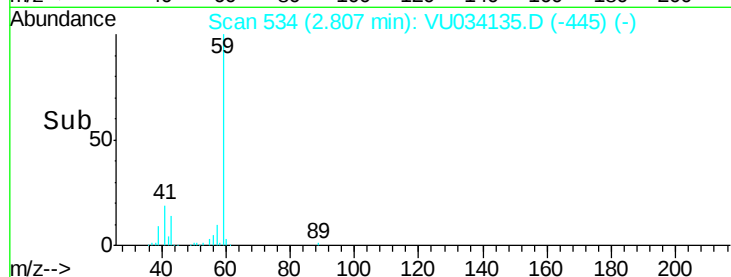
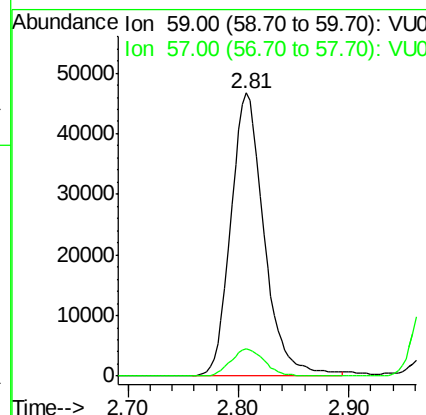
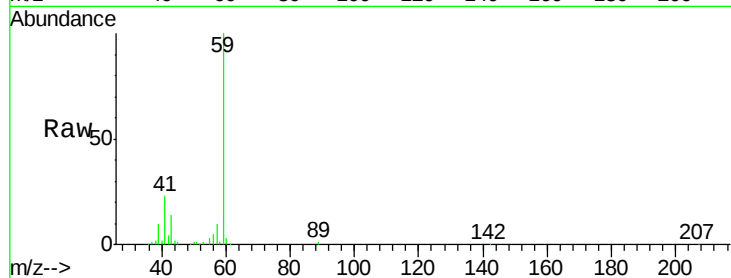
#11
Tert butyl alcohol
Concen: 79.134 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	97845		
57	9.9		8.0	12.0

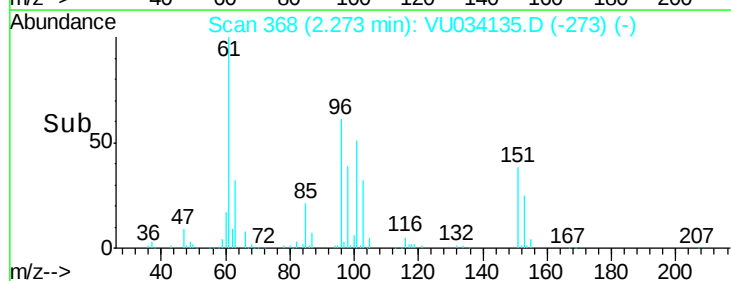
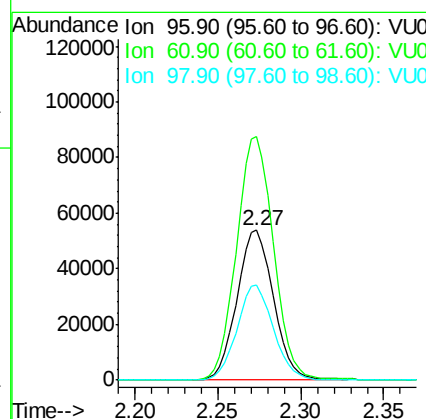
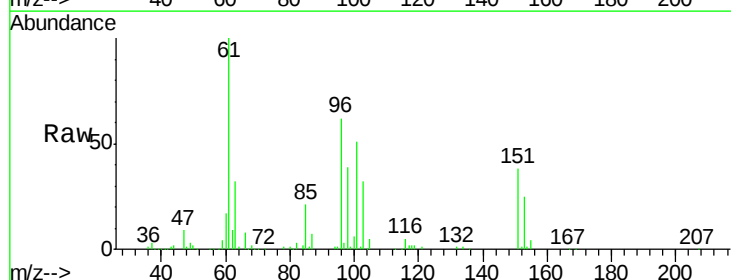
Manual Integrations
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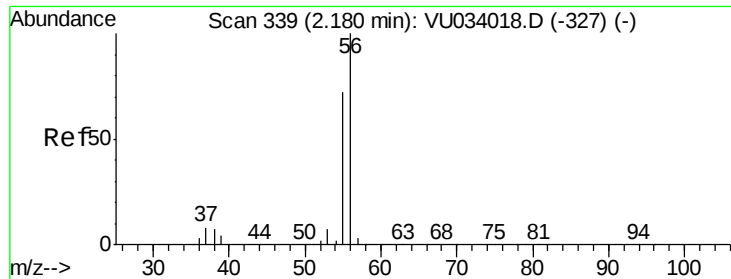
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.810 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	82987		
61	162.4		131.3	196.9
98	63.2		50.3	75.5





#13

Acrolein

Concen: 68.679 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 56 Resp: 35723

Ion Ratio Lower Upper

56 100

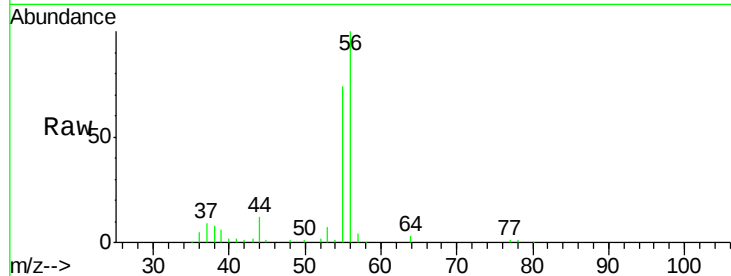
55 72.3 57.1 85.7

Manual Integrations

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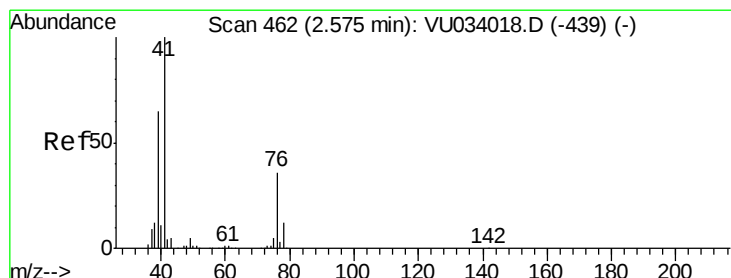
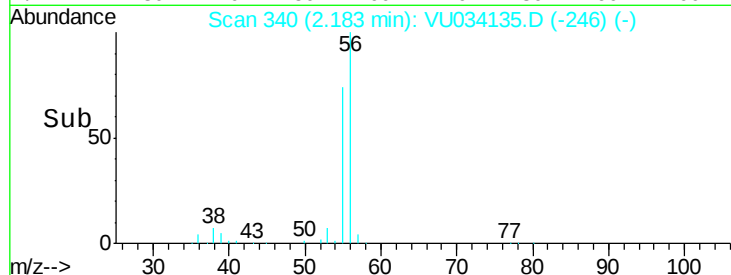
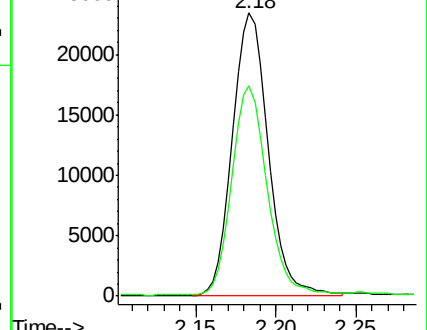
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.477 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

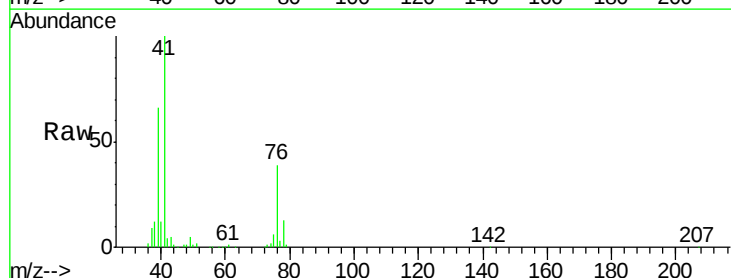
Tgt Ion: 41 Resp: 145527

Ion Ratio Lower Upper

41 100

39 58.8 46.8 70.2

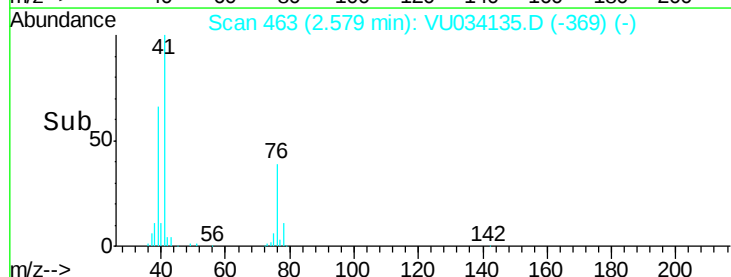
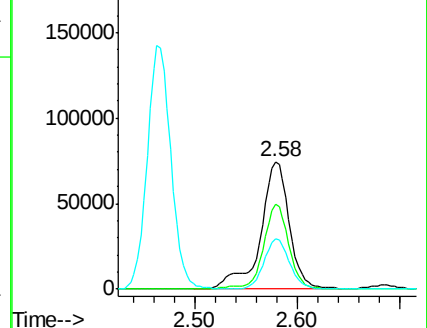
76 34.3 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 95.739 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

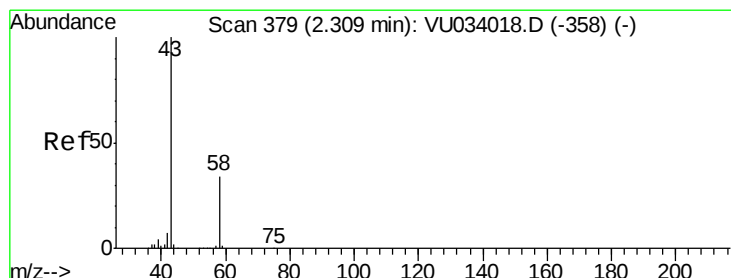
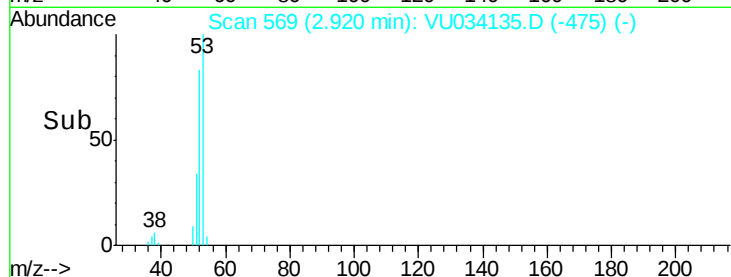
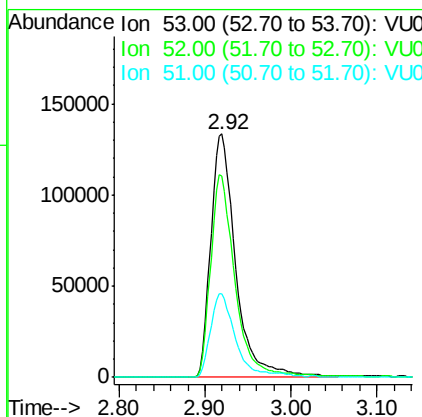
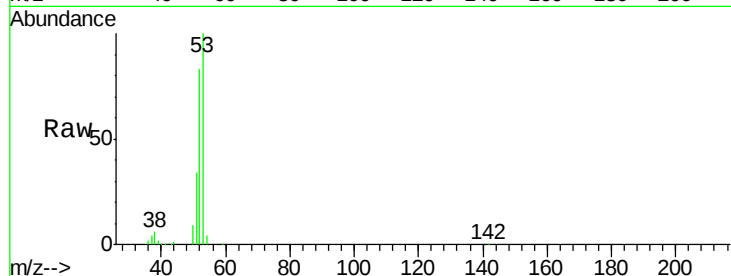
ClientSampleId :

VU0902WBS01

Tot Ion:	53	Resp:	271638
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.7	98.5
51	33.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 81.937 ug/l

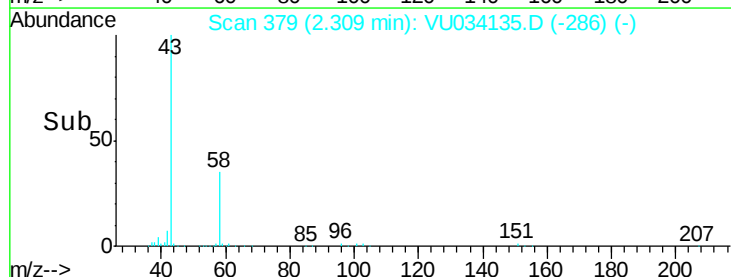
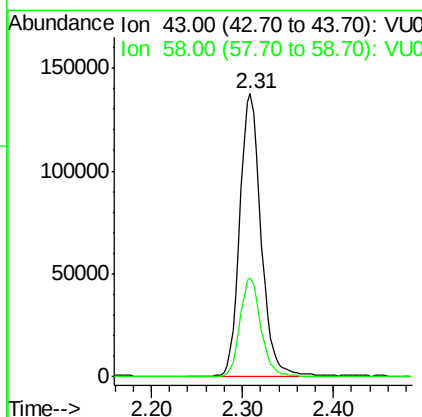
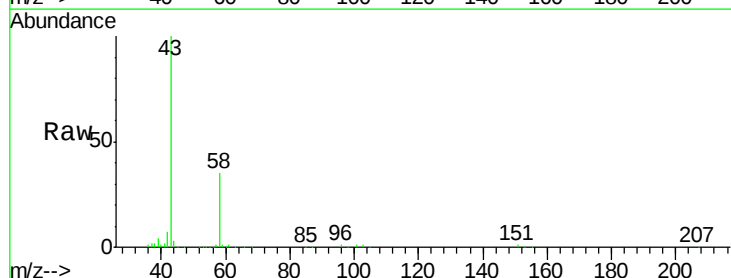
RT: 2.31 min Scan# 379

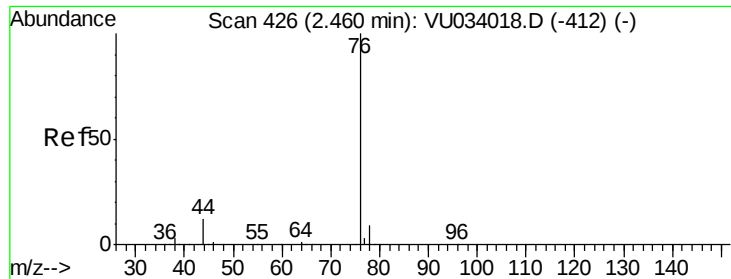
Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	43	Resp:	224165
Ion	Ratio	Lower	Upper
43	100		
58	35.1	26.8	40.2





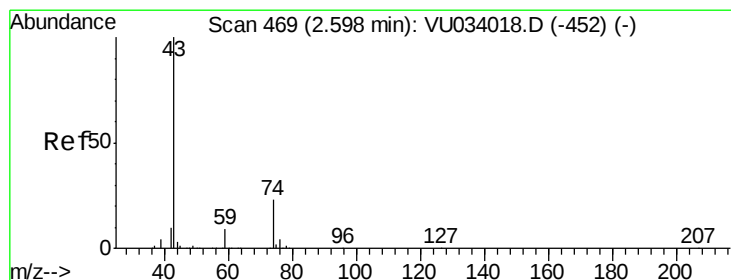
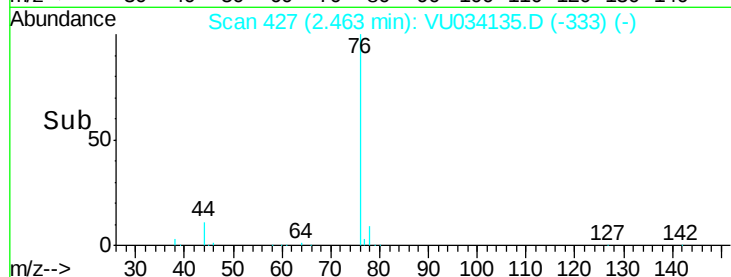
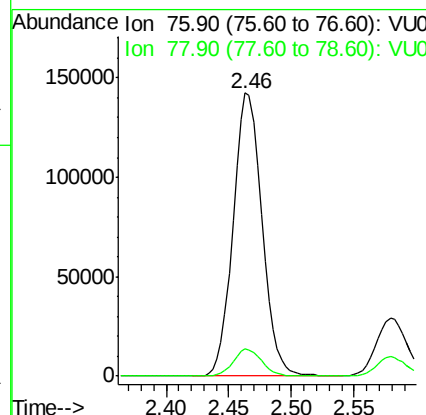
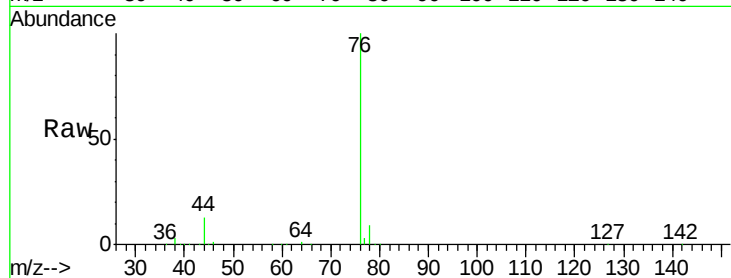
#17
Carbon Disulfide
Concen: 17.234 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

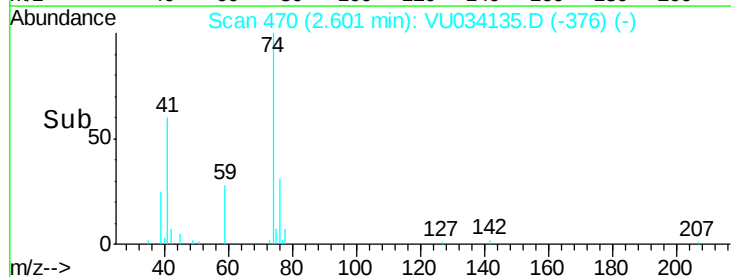
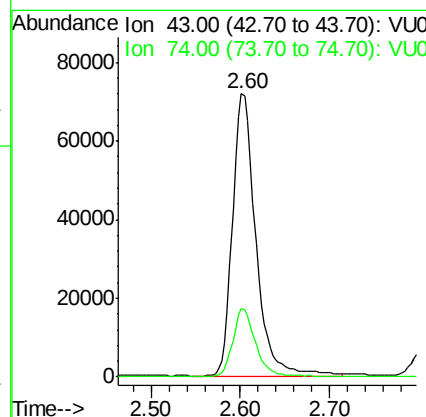
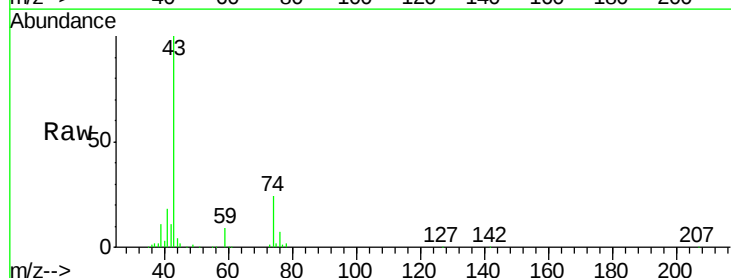
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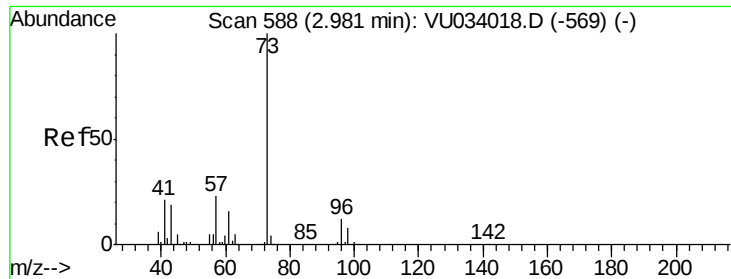
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#18
Methyl Acetate
Concen: 18.533 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





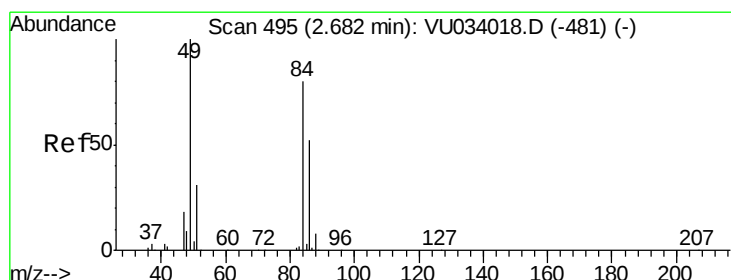
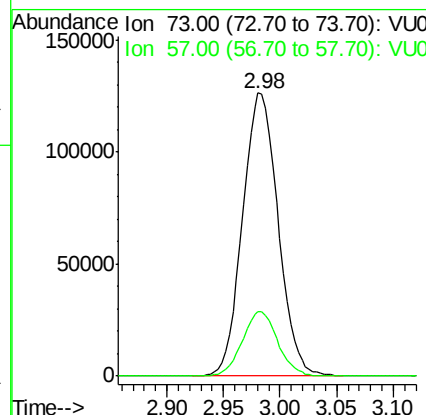
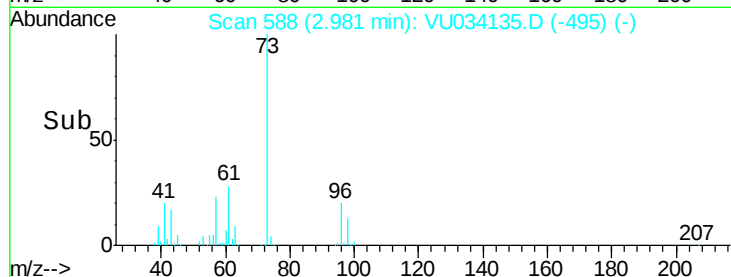
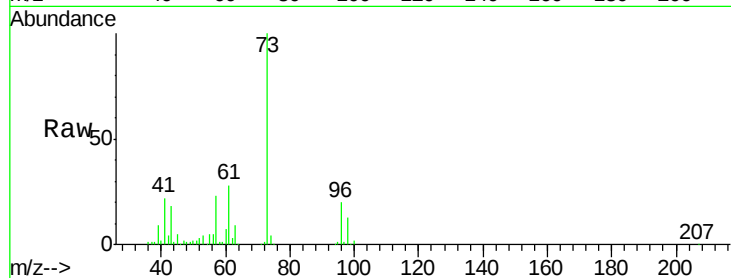
#19
Methvl tert-butvl Ether
Concen: 20.190 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5

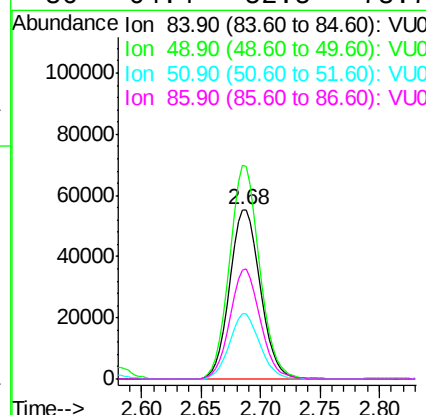
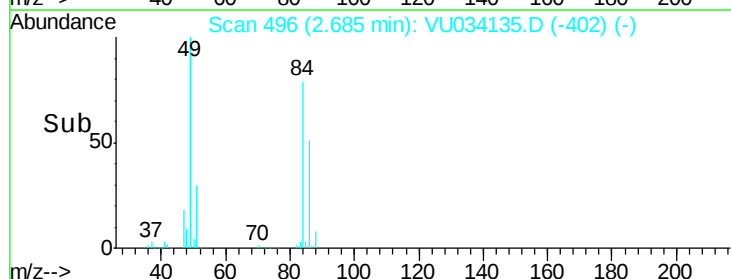
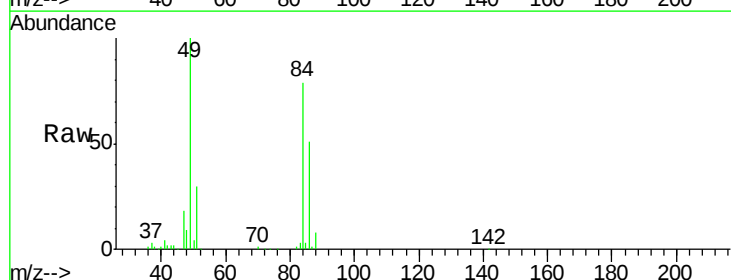
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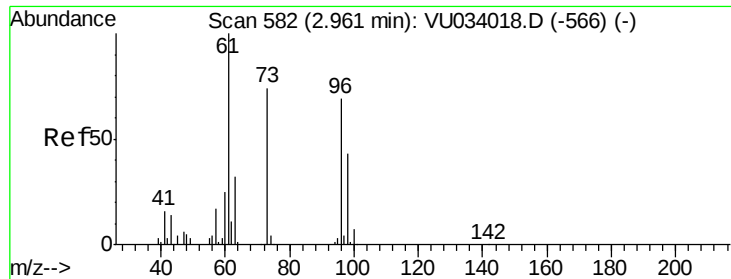
MMDadoda
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#20
Methylene Chloride
Concen: 19.178 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	100.2	150.4
51	38.3	30.8	46.2
86	64.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.565 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

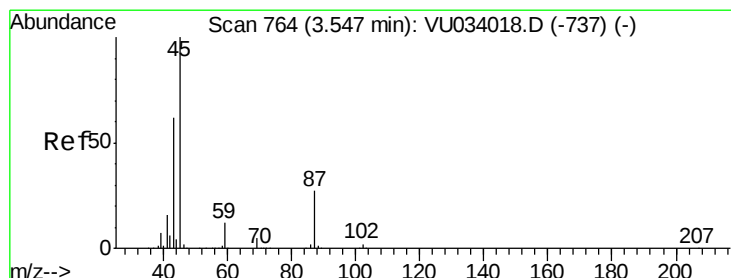
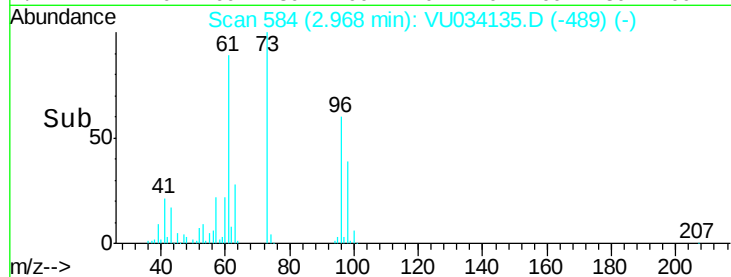
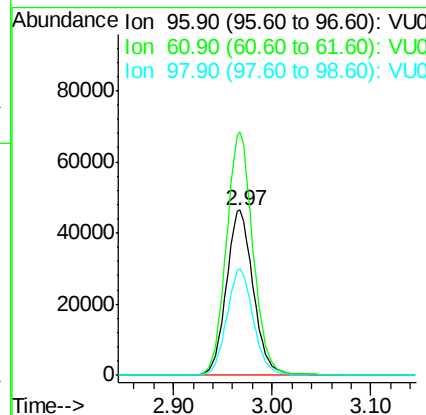
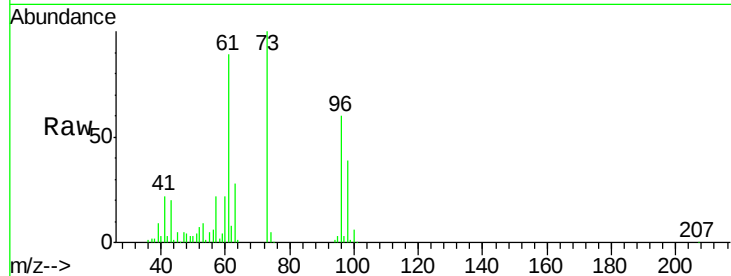
ClientSampleId :

VU0902WBS01

Tot Ion:	96	Resp:	88951
Ion	Ratio	Lower	Upper
96	100		
61	147.7	115.5	173.3
98	65.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.191 ug/l

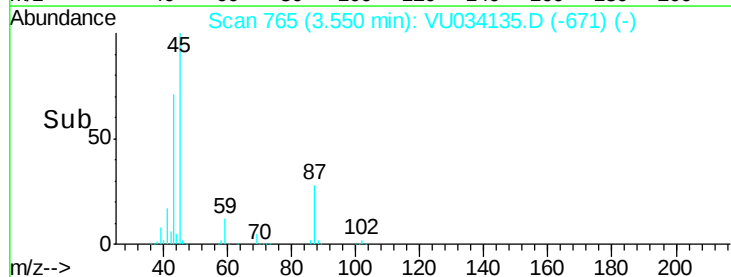
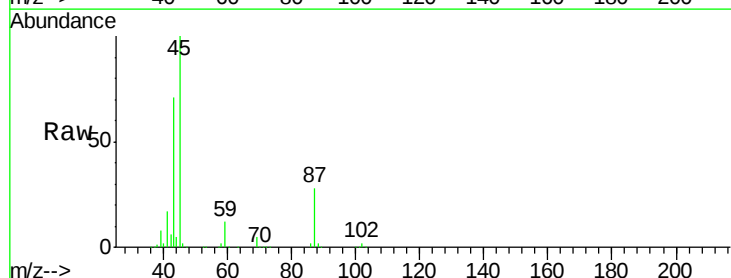
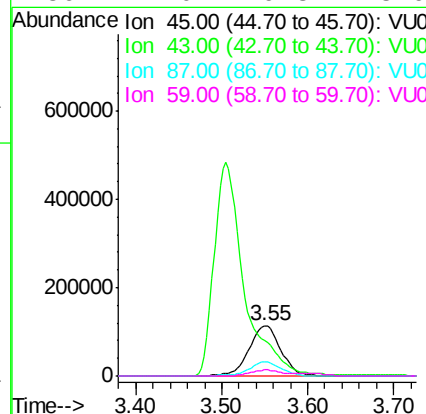
RT: 3.55 min Scan# 765

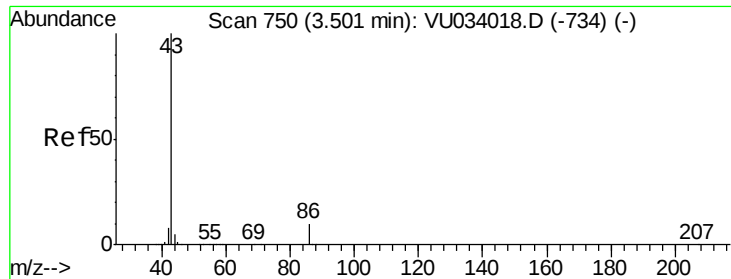
Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	45	Resp:	291407
Ion	Ratio	Lower	Upper
45	100		
43	70.7	49.7	74.5
87	28.1	21.8	32.8
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 96.141 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 43 Resp: 1191950

Ion Ratio Lower Upper

43 100

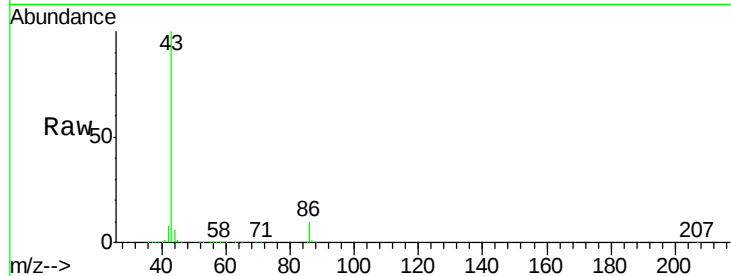
86 10.3 8.3 12.5

Manual Integrations

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

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

3.50

500000

400000

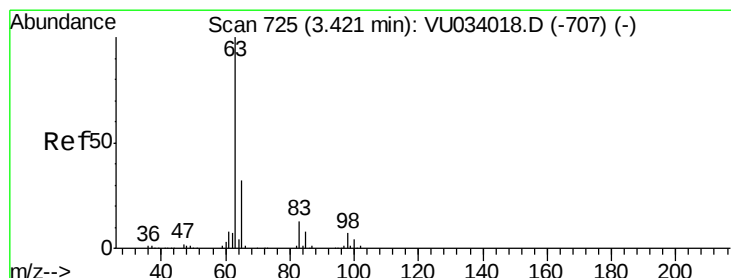
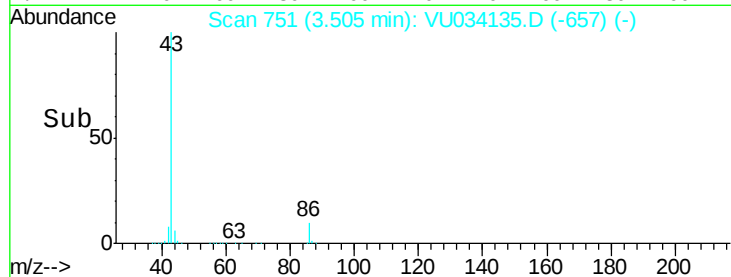
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.242 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

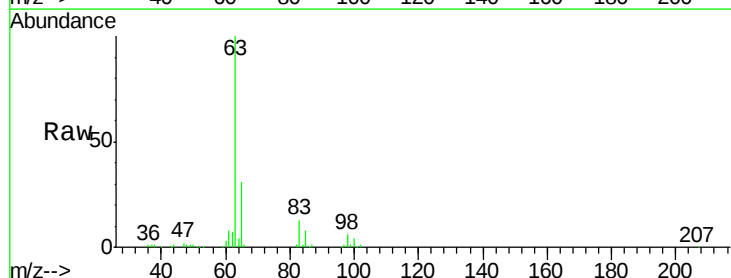
Tgt Ion: 63 Resp: 172475

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.0 2.0 6.0



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

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

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

3.43

100000

80000

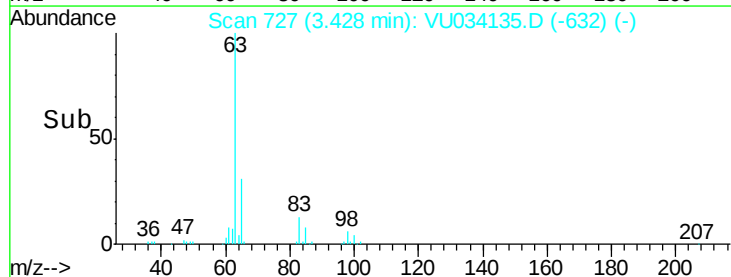
60000

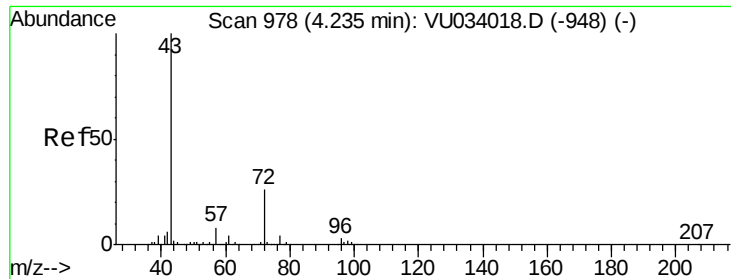
40000

20000

0

Time-->





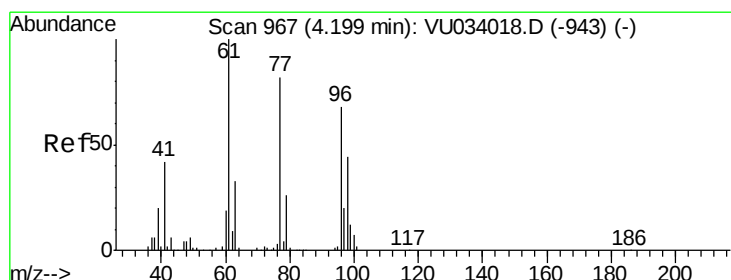
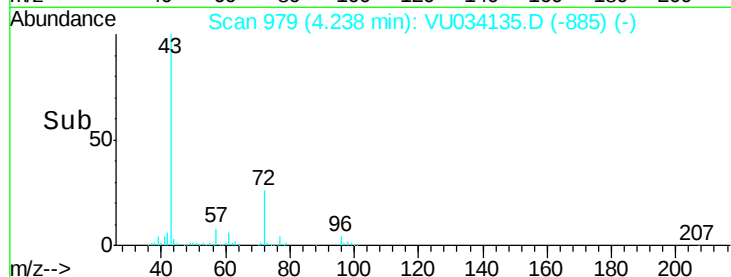
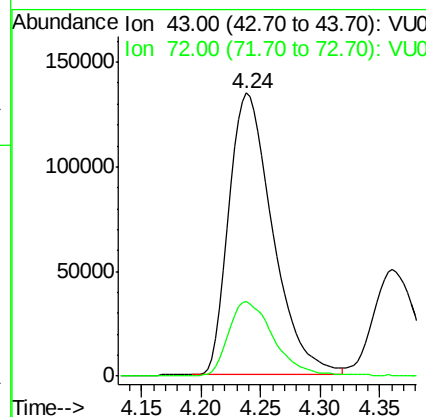
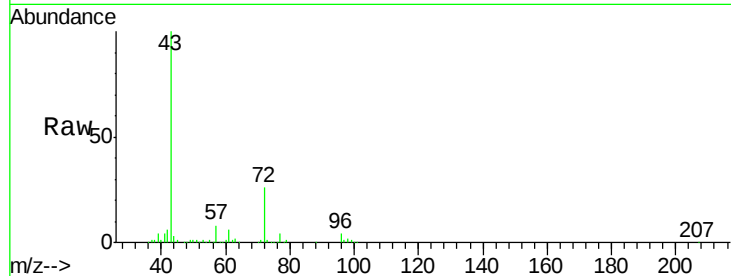
#25
2-Butanone
Concen: 90.358 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion: 43 Resp: 343923
Ion Ratio Lower Upper
43 100
72 26.1 21.2 31.8

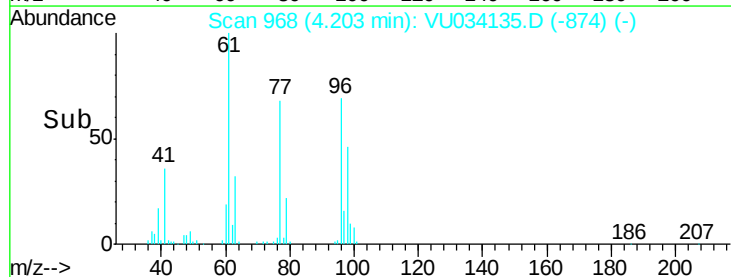
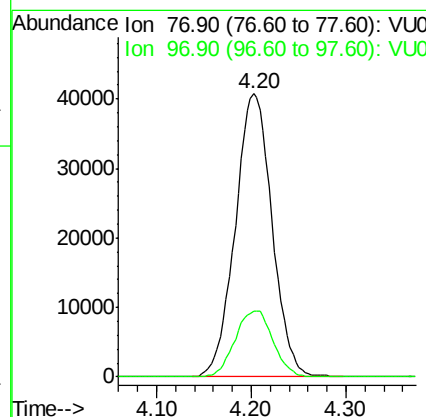
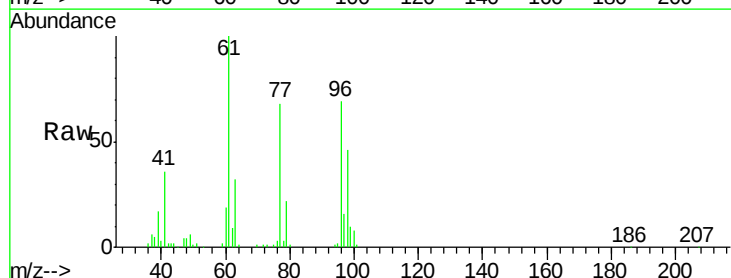
Manual Integrations
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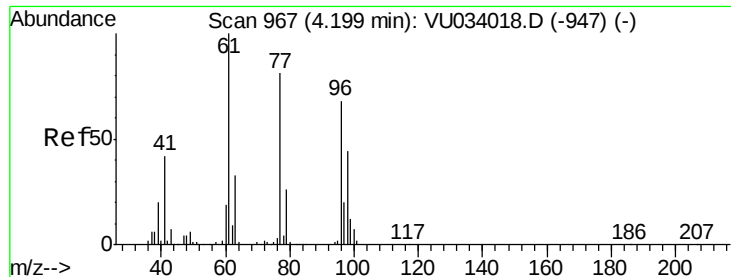
MMDadoda
9/3/2019 11:32:20 AM



#26
2,2-Dichloropropane
Concen: 15.893 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 77 Resp: 110195
Ion Ratio Lower Upper
77 100
97 23.9 11.6 34.7





#27

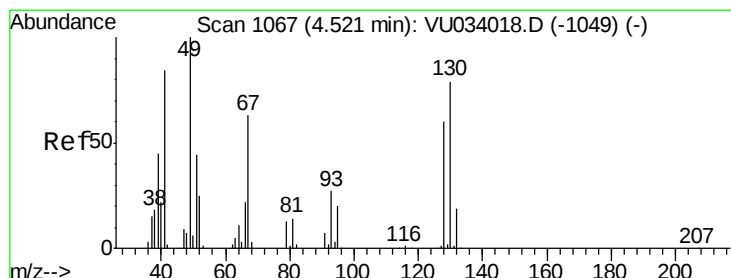
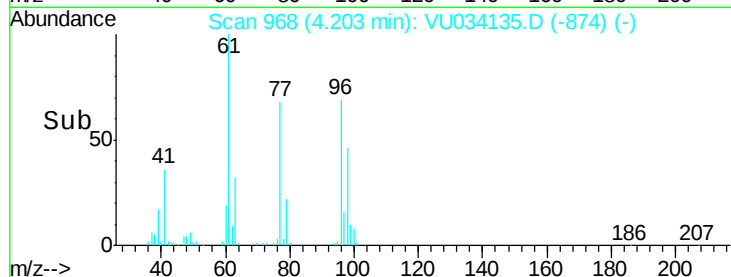
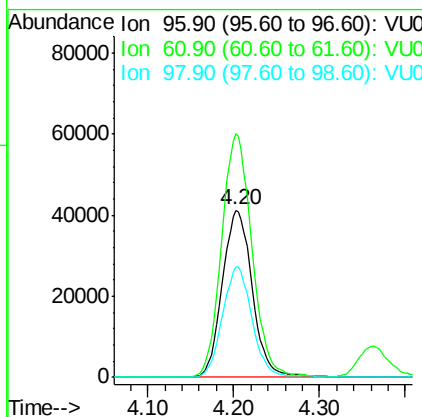
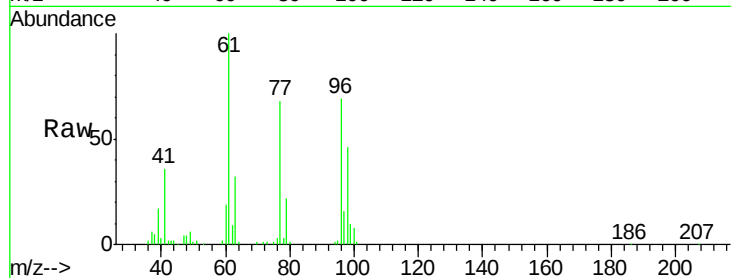
cis-1,2-Dichloroethene
Concen: 19.568 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.7	0.0	303.0	
98	65.4	0.0	129.2	

Manual Integrations
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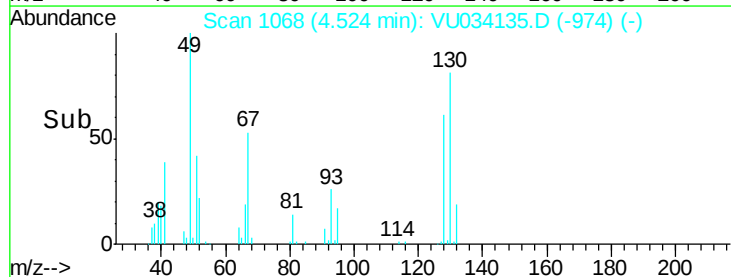
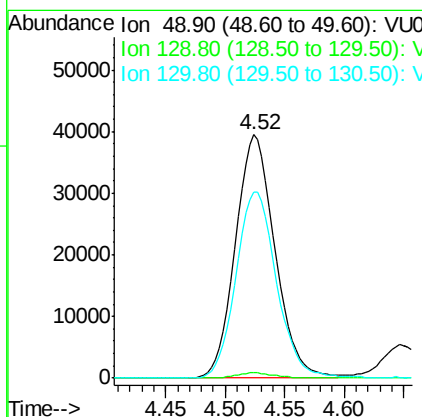
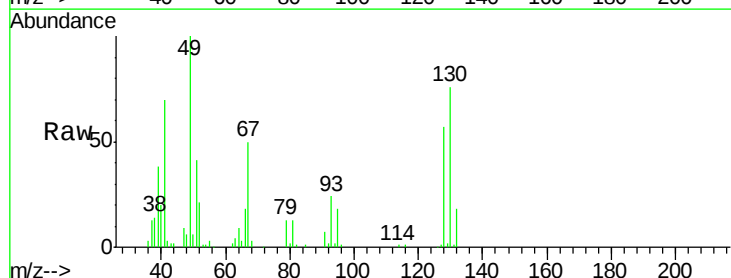
MMDadoda
9/3/2019 11:32:20 AM

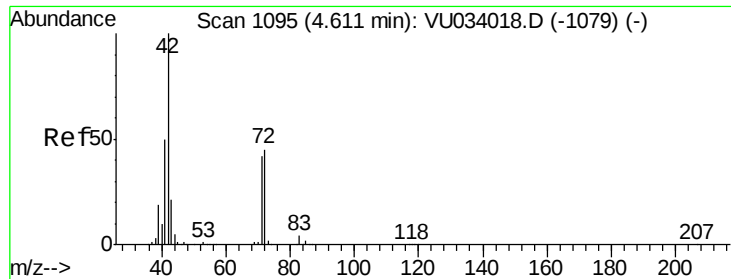


#28

Bromochloromethane
Concen: 21.613 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	78.8	62.8	94.2	





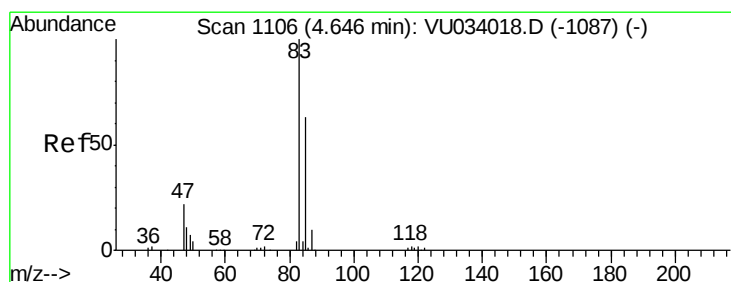
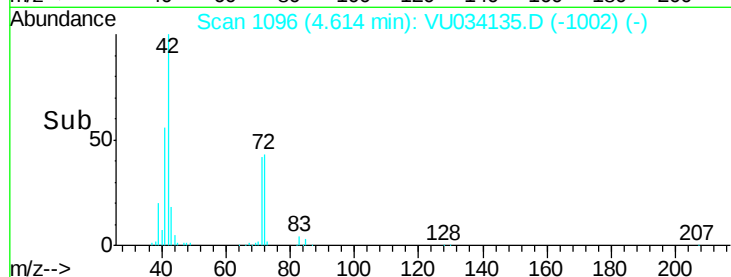
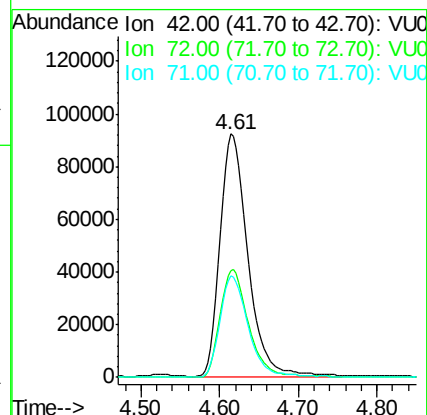
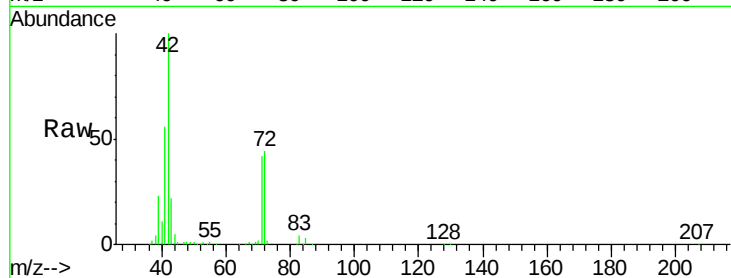
#29
Tetrahydrofuran
Concen: 96.189 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.8	53.6
71	42.3	34.0	51.0

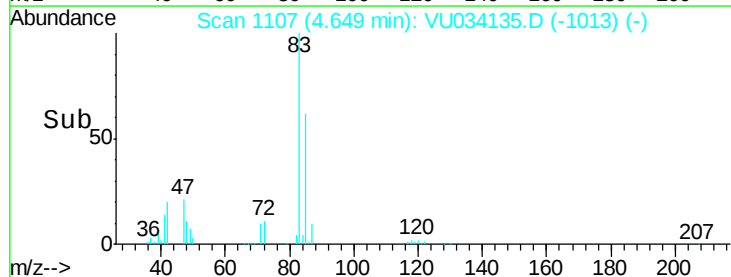
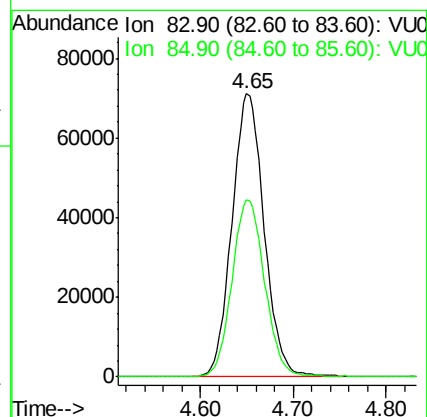
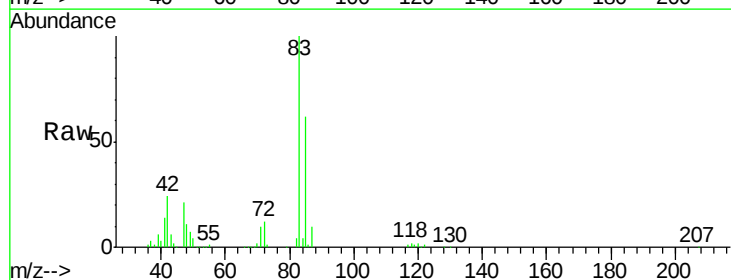
Manual Integrations
APPROVED

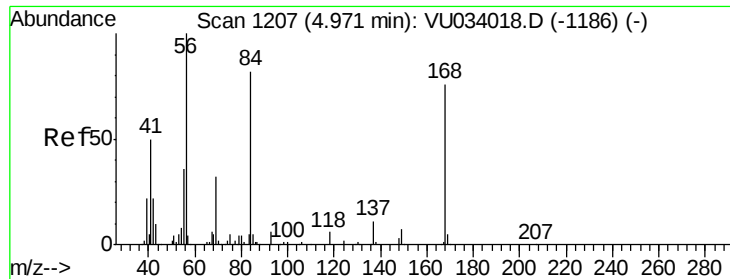
MMDadoda
9/3/2019 11:32:20 AM



#30
Chloroform
Concen: 20.113 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.7	76.1





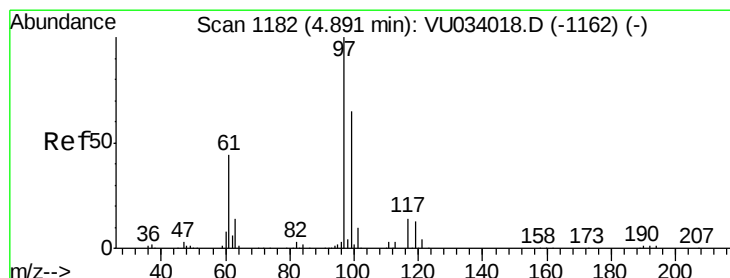
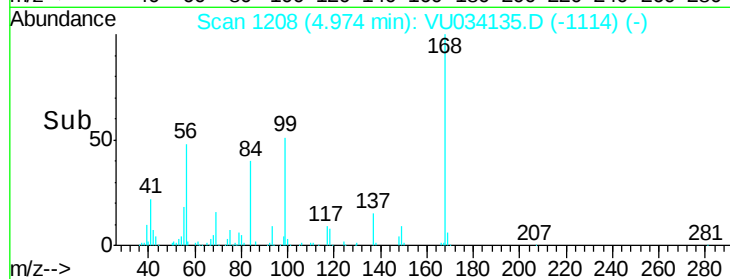
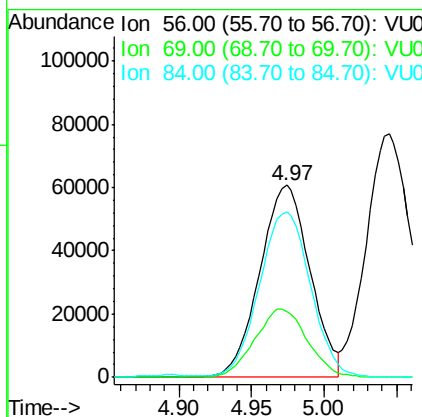
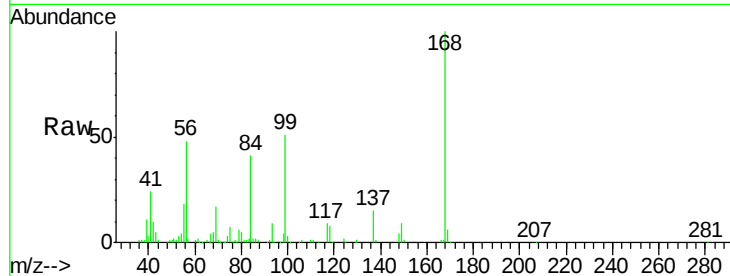
#31
Cyclohexane
Concen: 18.262 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.4	38.0
84	85.2	65.8	98.8

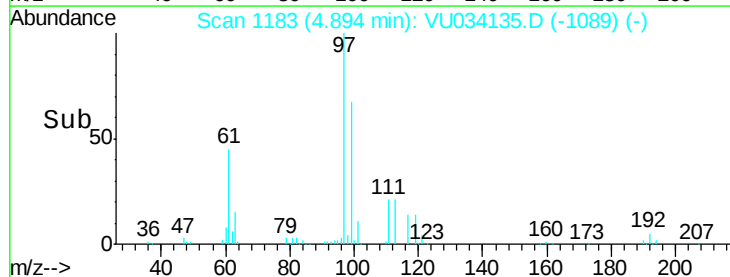
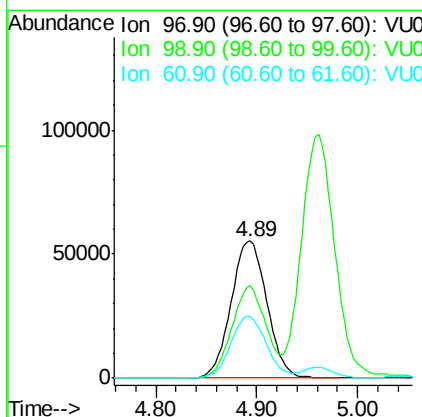
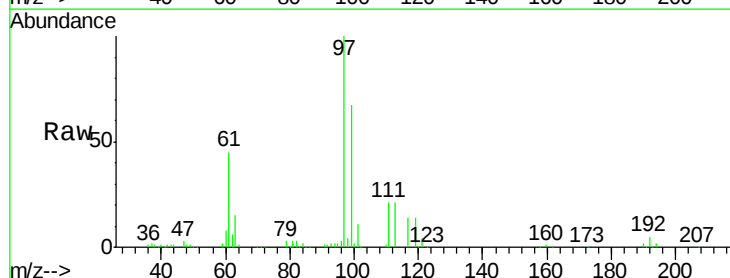
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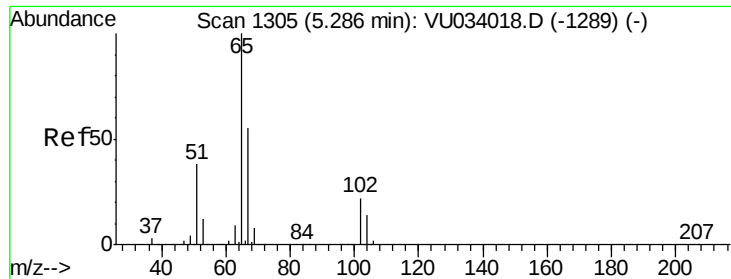
MMDadoda
9/3/2019 11:32:20 AM



#32
1,1,1-Trichloroethane
Concen: 19.666 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	44.6	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 49.749 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 65 Resp: 266741

Ion Ratio Lower Upper

65 100

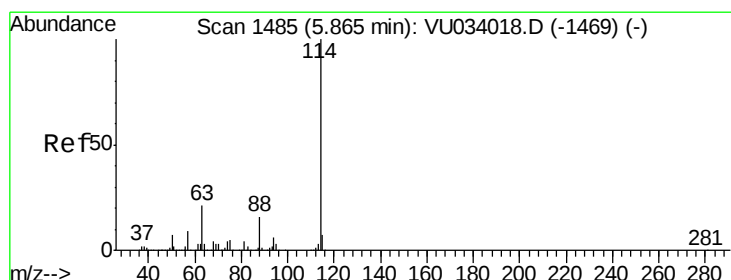
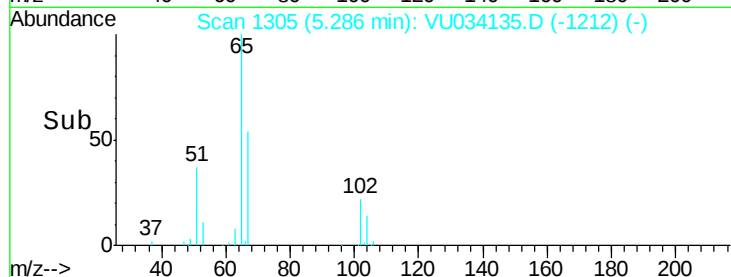
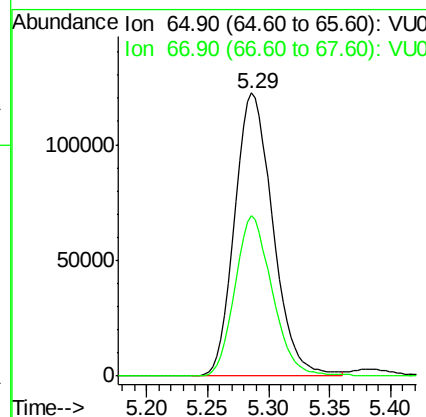
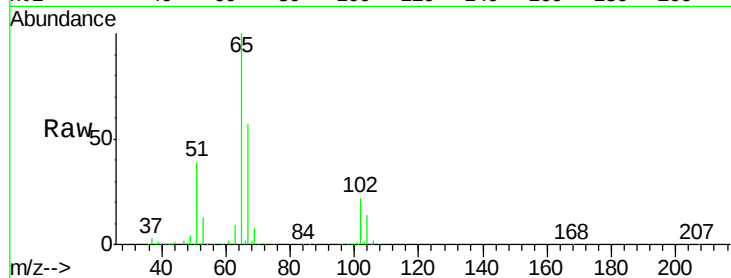
67 55.6 0.0 110.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

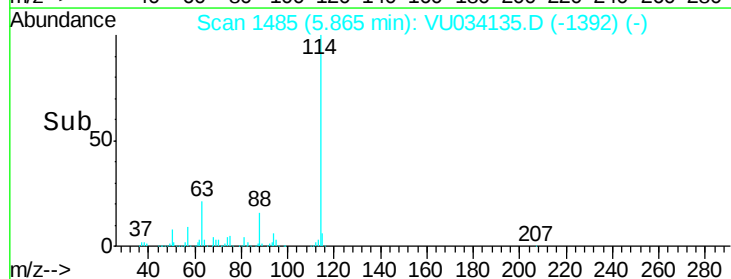
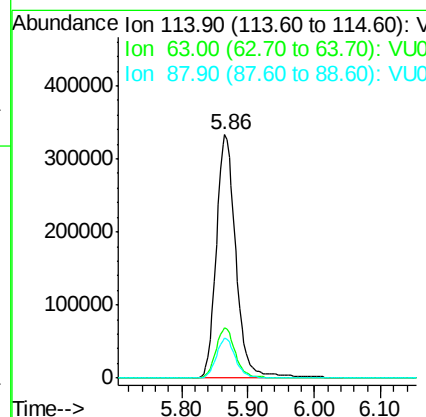
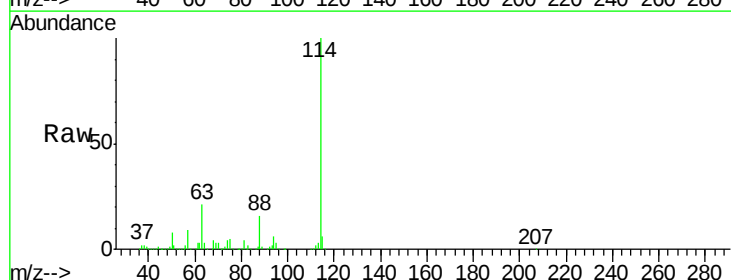
Tgt Ion: 114 Resp: 684326

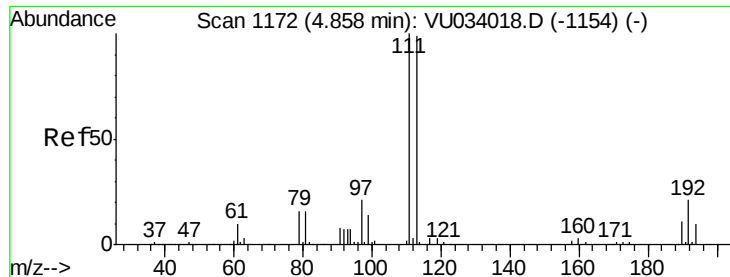
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

88 16.2 0.0 32.0





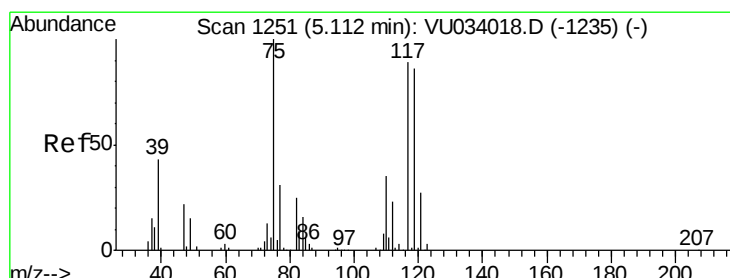
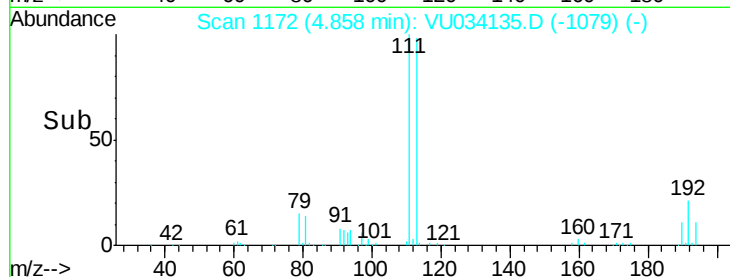
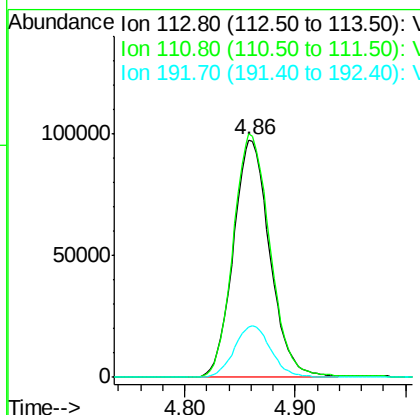
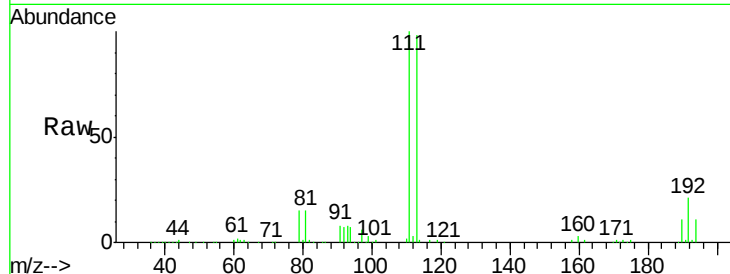
#35
 Dibromofluoromethane
 Concen: 47.215 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224101		
111	103.3	81.7	122.5	
192	21.9	17.1	25.7	

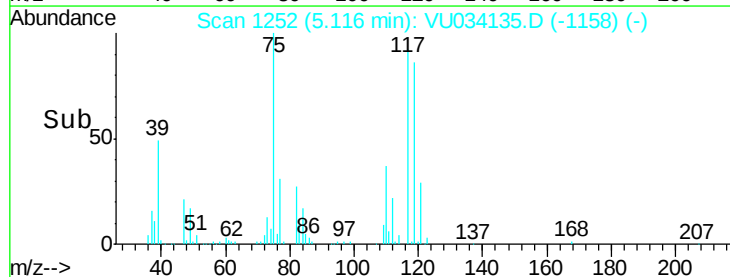
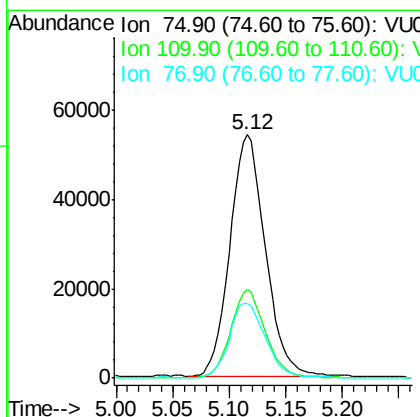
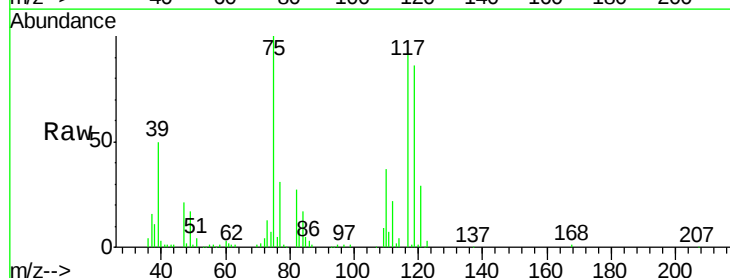
Manual Integrations
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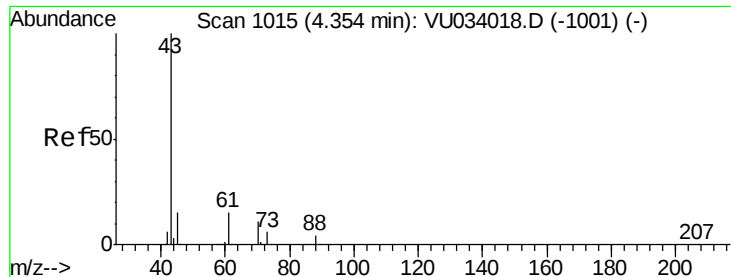
MMDadoda
 9/3/2019 11:32:20 AM



#36
 1,1-Dichloropropene
 Concen: 18.198 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117793		
110	36.1	17.8	53.5	
77	32.0	25.0	37.4	





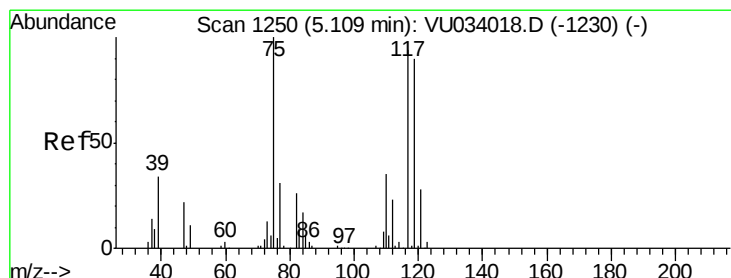
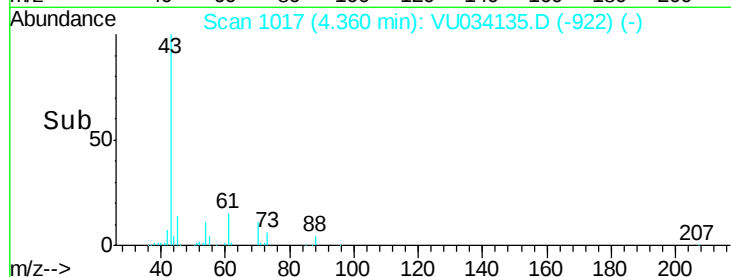
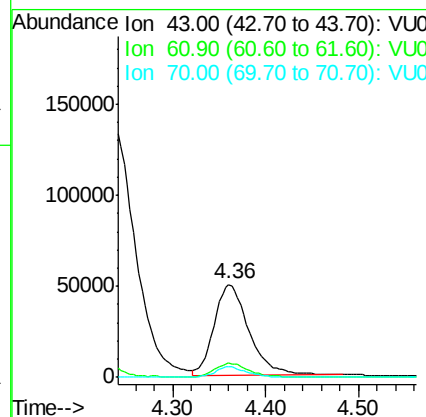
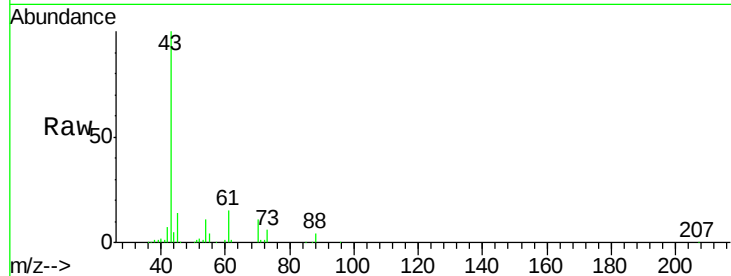
#37
Ethyl Acetate
Concen: 17.904 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.7	8.6	12.8

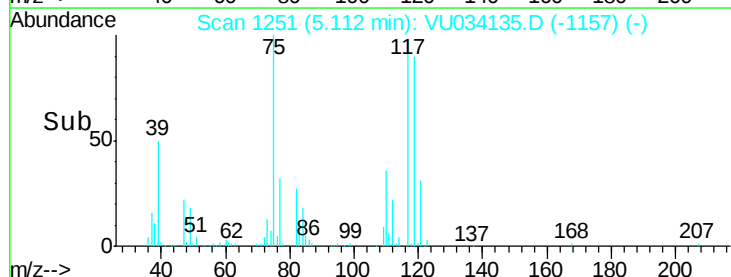
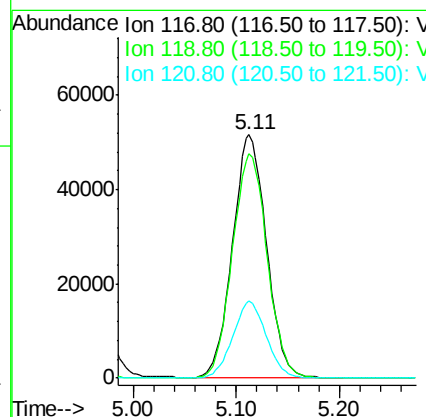
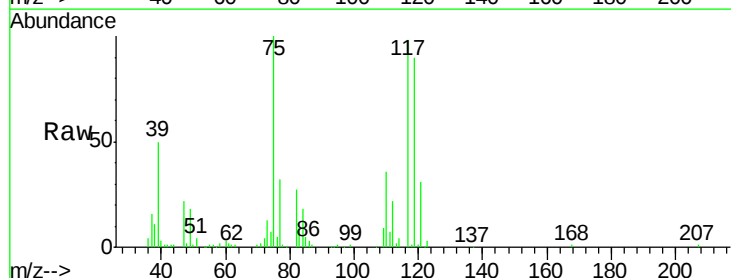
Manual Integrations
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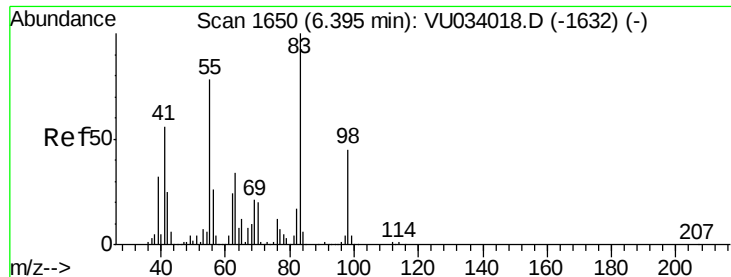
MMDadoda
9/3/2019 11:32:20 AM



#38
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.0	115.4
121	31.6	23.9	35.9





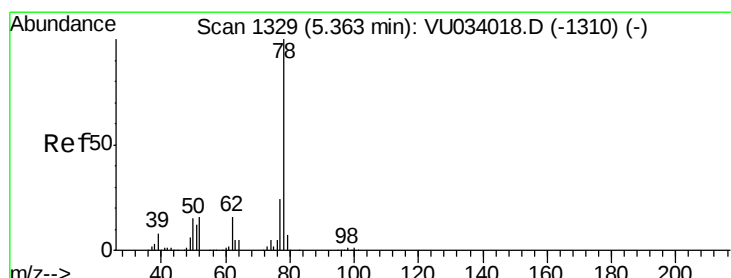
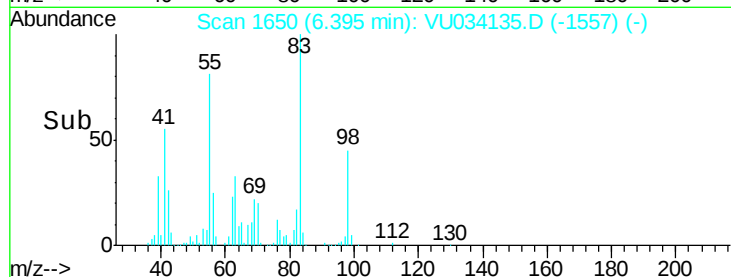
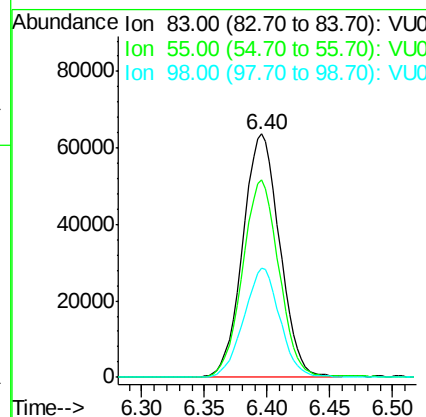
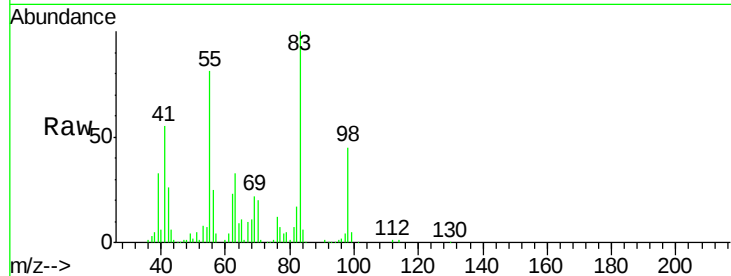
#39
Methvlcvclohexane
Concen: 17.117 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	62.3	93.5	
98	44.9	36.2	54.2	

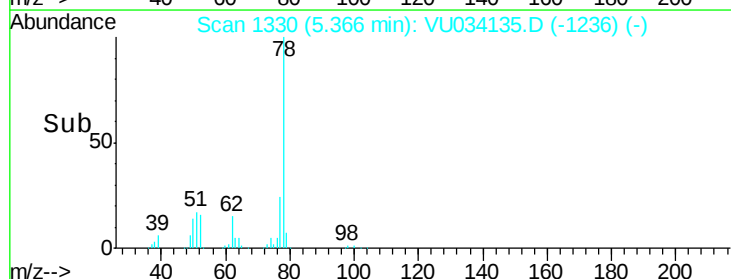
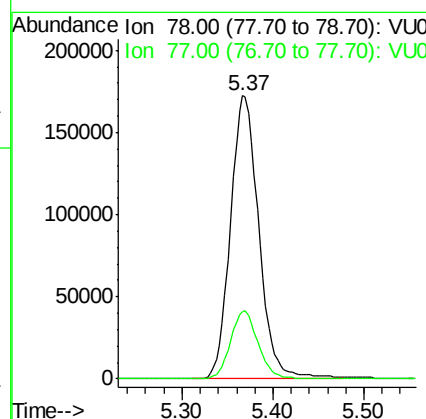
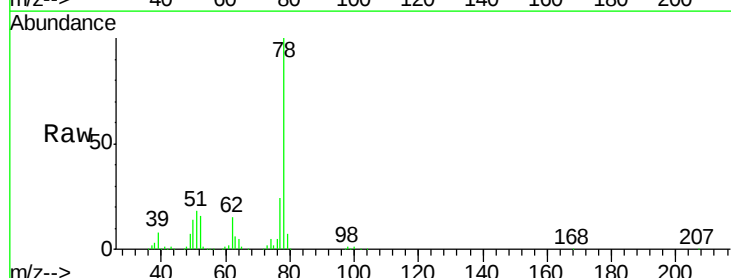
Manual Integrations
APPROVED

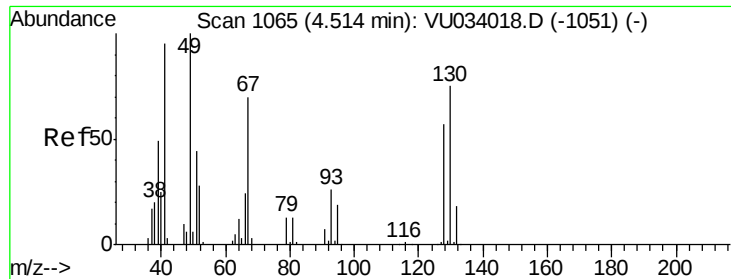
MMDadoda
9/3/2019 11:32:20 AM



#40
Benzene
Concen: 19.087 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.6	





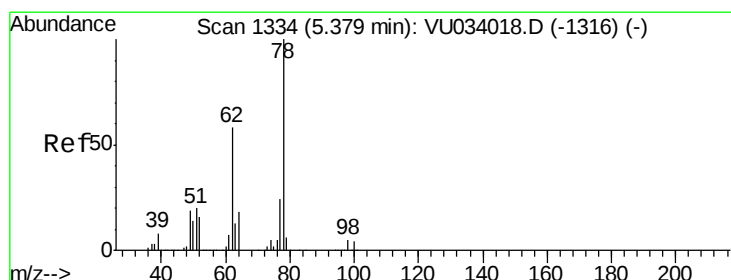
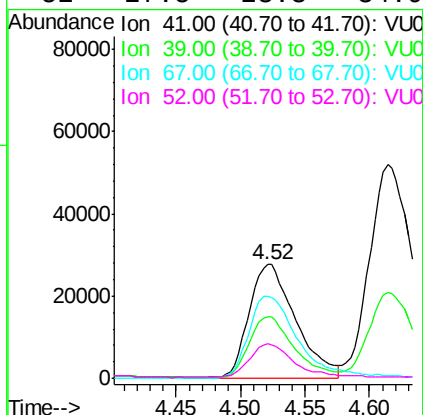
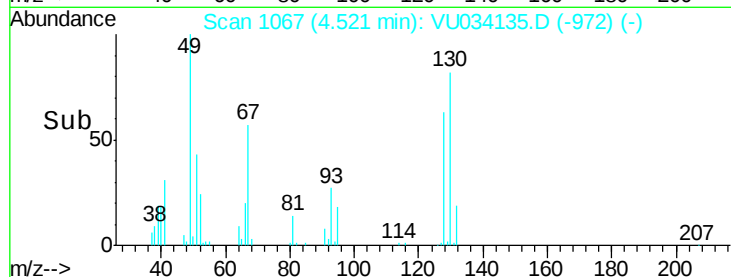
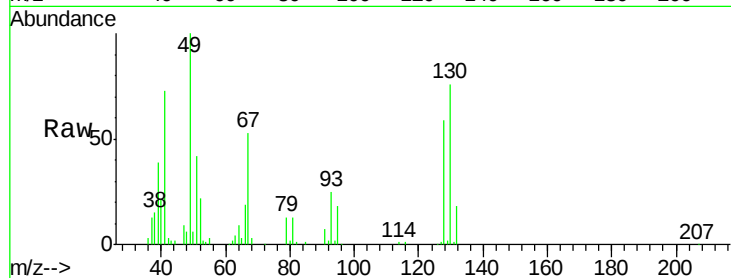
#41
Methacrylonitrile
Concen: 18.531 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.1	63.1	
67	78.4	61.0	91.4	
52	27.5	23.3	34.9	

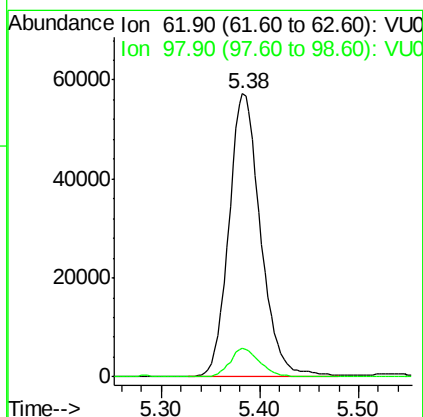
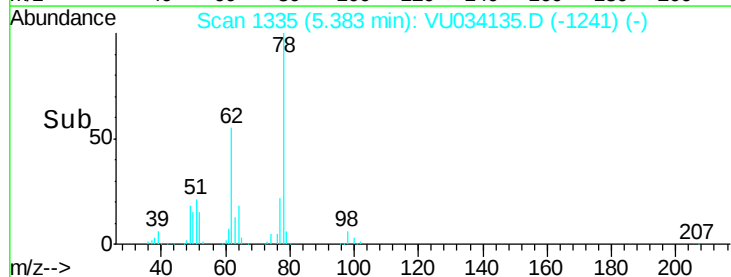
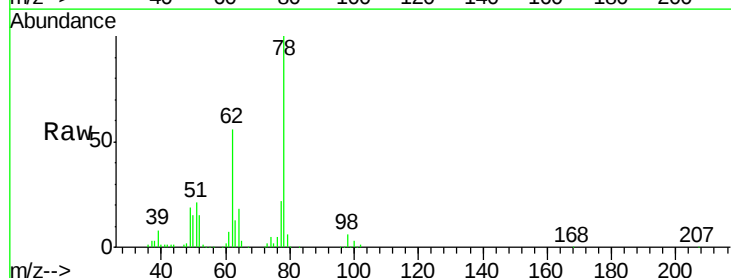
Manual Integrations
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9/3/2019 11:32:20 AM



#42
1,2-Dichloroethane
Concen: 19.051 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

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





#43

Isopropyl Acetate

Concen: 17.979 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

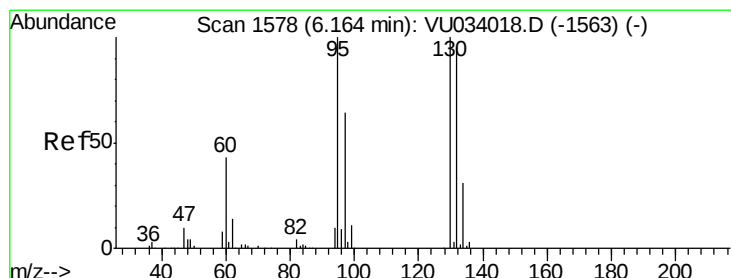
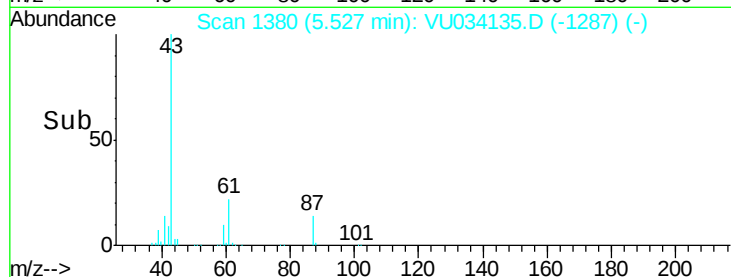
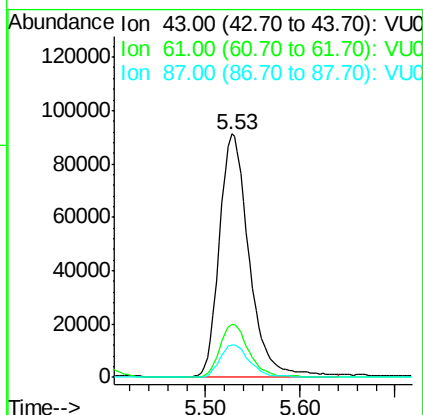
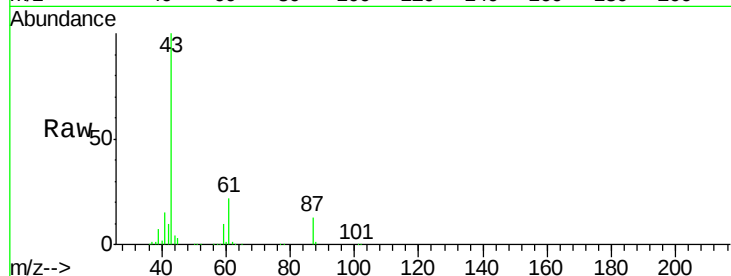
ClientSampleId :

VU0902WBS01

Tot Ion:	43	Resp:	198261
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.2	25.8
87	13.3	10.8	16.2

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#44

Trichloroethene

Concen: 19.127 ug/l

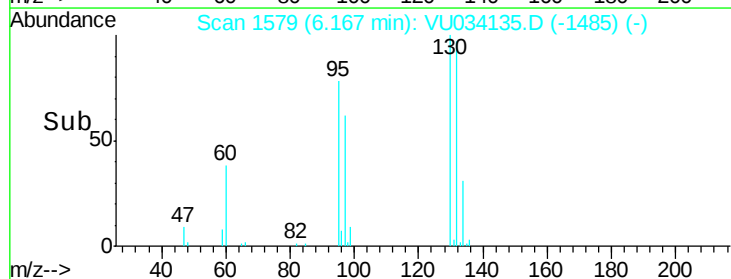
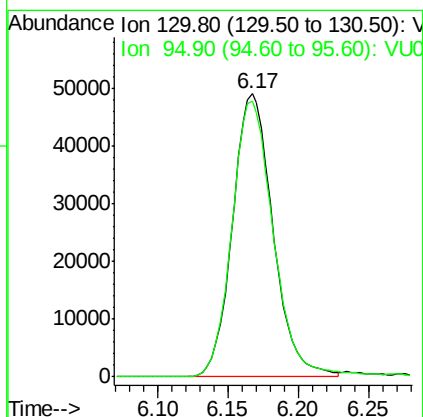
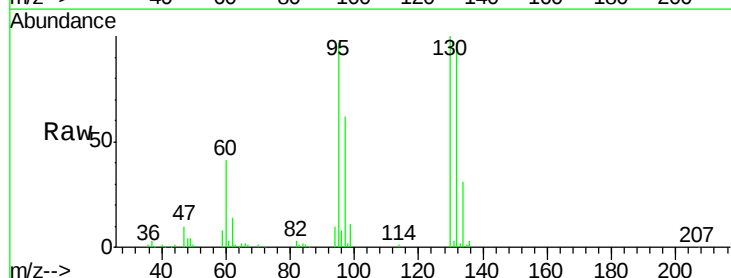
RT: 6.17 min Scan# 1579

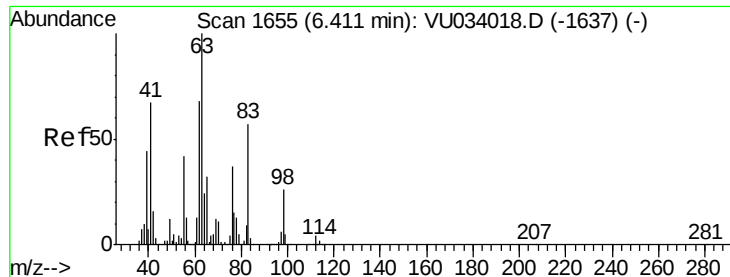
Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	130	Resp:	98363
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.097 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 63 Resp: 102949

Ion Ratio Lower Upper

63 100

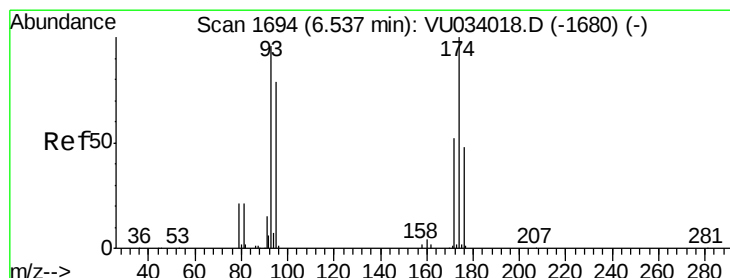
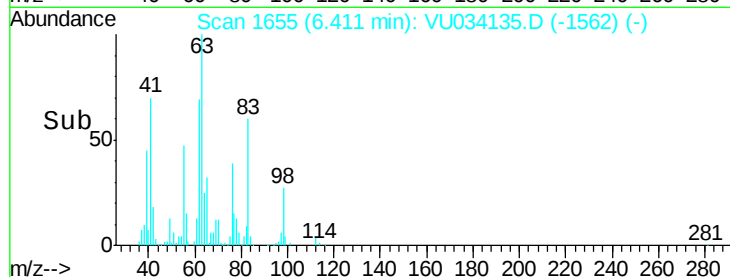
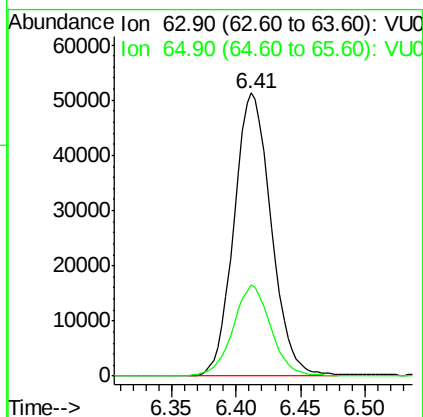
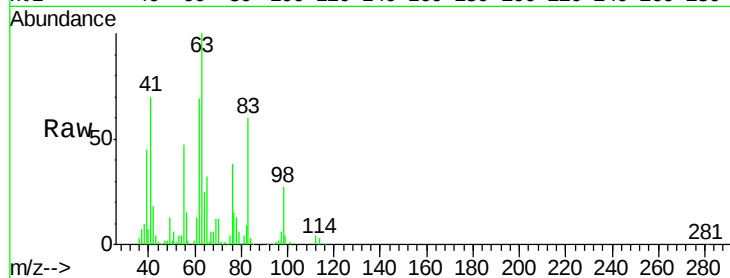
65 31.9 25.4 38.2

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#46

Dibromomethane

Concen: 19.135 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

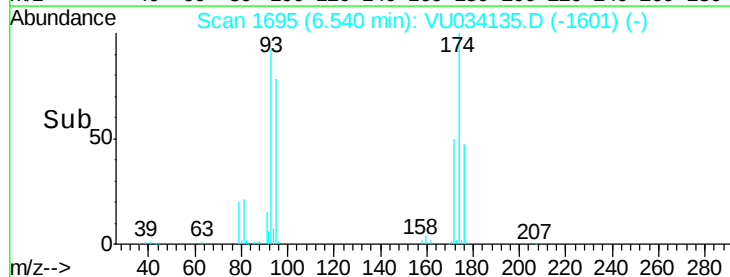
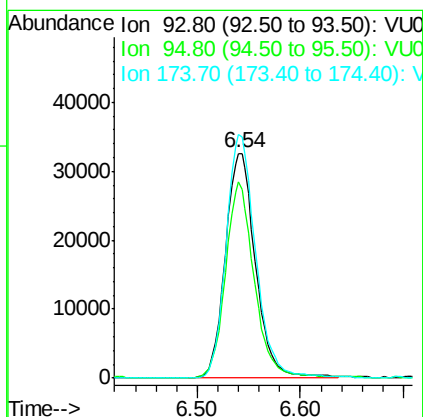
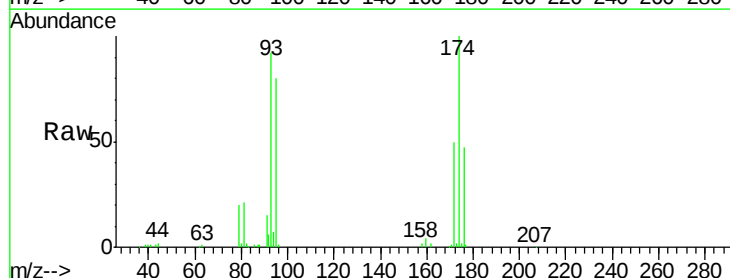
Tgt Ion: 93 Resp: 66461

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 106.6 84.9 127.3





#47

Bromodichloromethane

Concen: 18.941 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

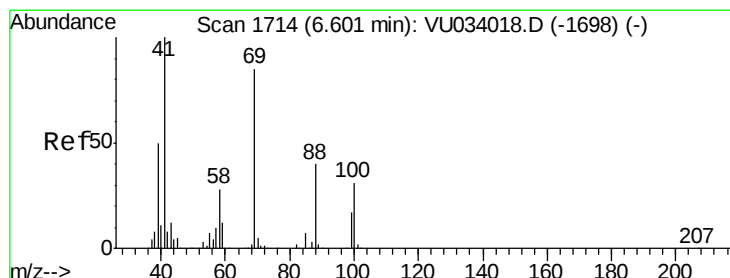
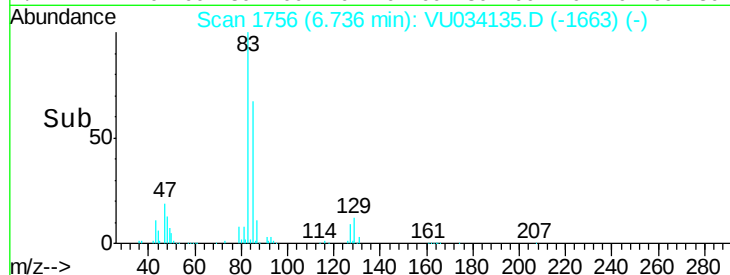
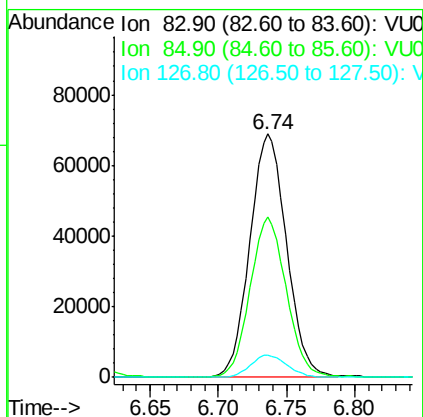
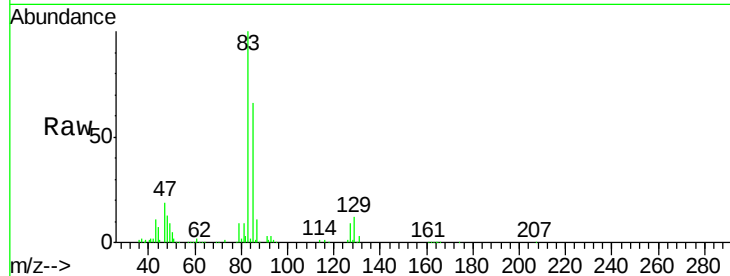
ClientSampleId :

VU0902WBS01

Tot Ion:	83	Resp:	128706
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.2	76.8
127	9.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.388 ug/l

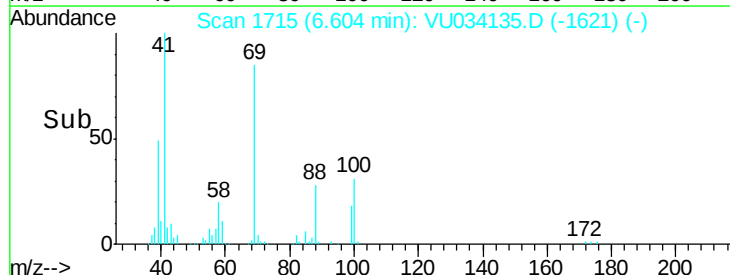
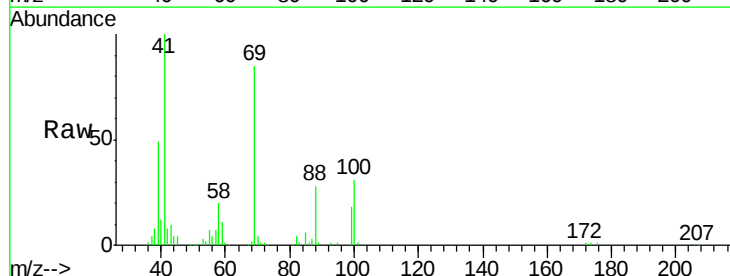
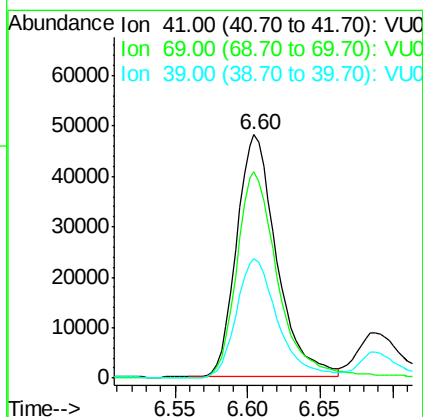
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	41	Resp:	92526
Ion Ratio	Lower	Upper	
41	100		
69	88.2	69.5	104.3
39	50.1	40.3	60.5





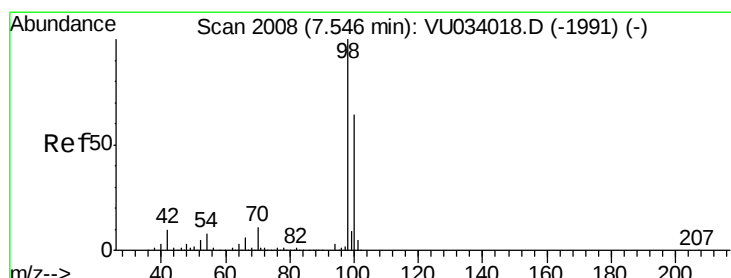
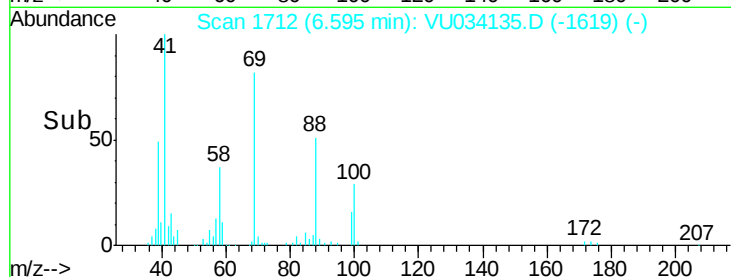
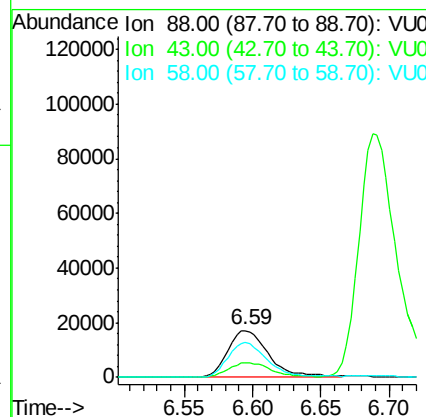
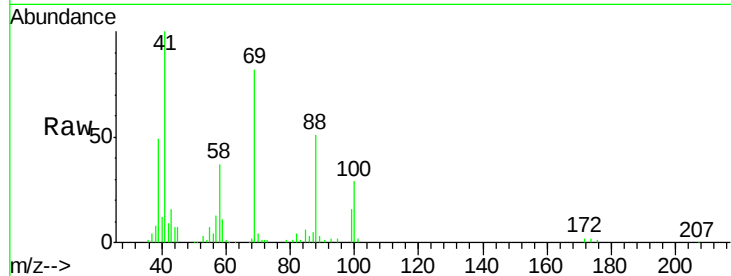
#49
1,4-Dioxane
Concen: 263.463 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.5	24.8	37.2	
58	74.2	59.3	88.9	

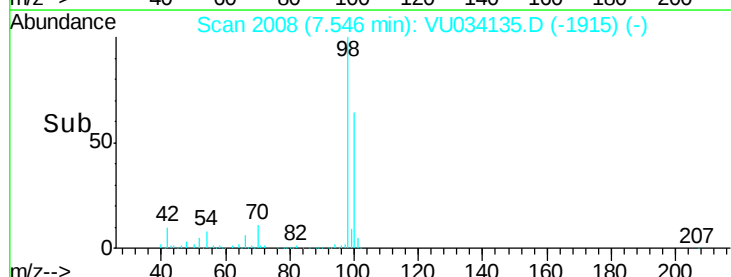
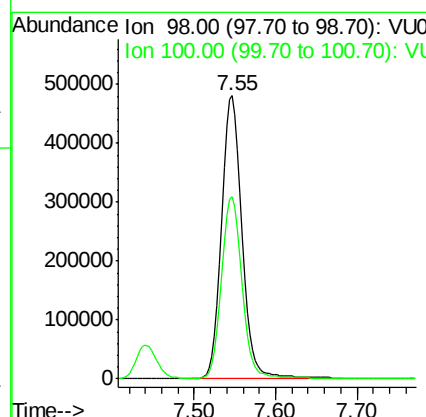
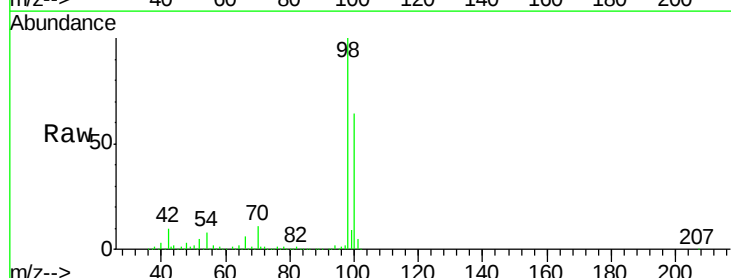
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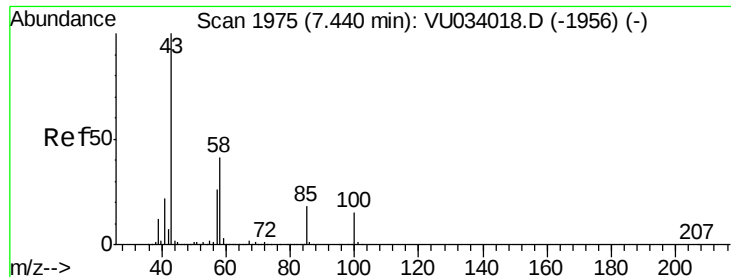
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#50
Toluene-d8
Concen: 48.526 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.1	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 88.027 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 43 Resp: 670381

Ion Ratio Lower Upper

43 100

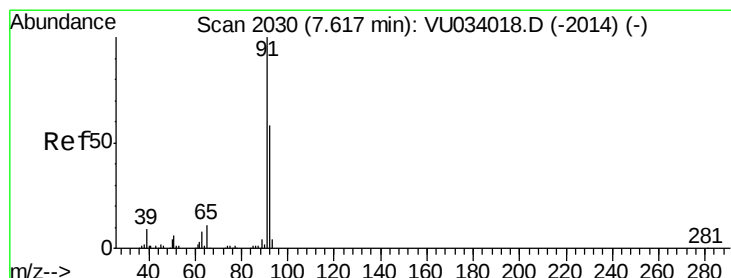
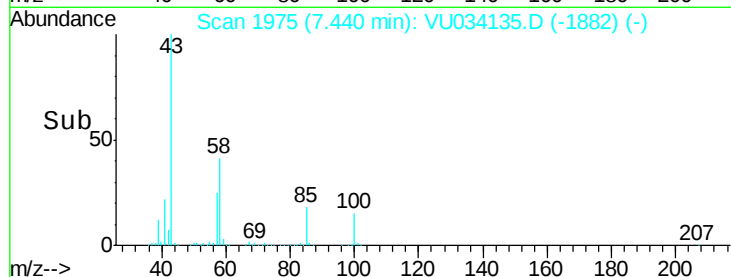
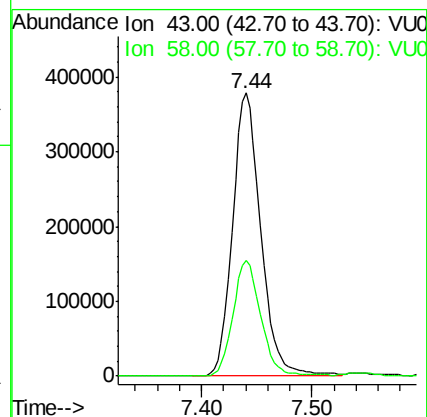
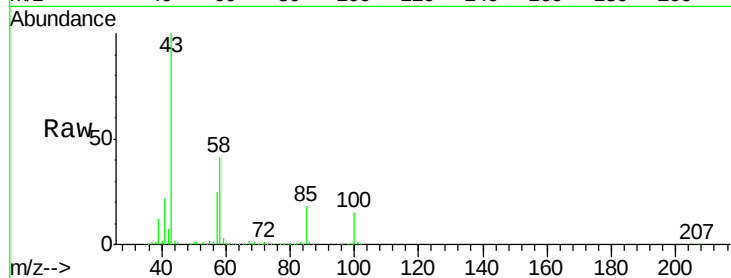
58 40.5 32.2 48.4

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#52

Toluene

Concen: 19.139 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034135.D

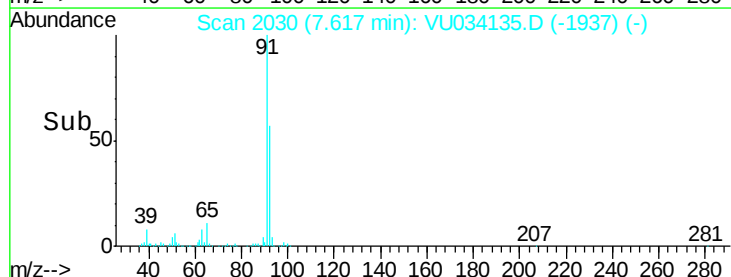
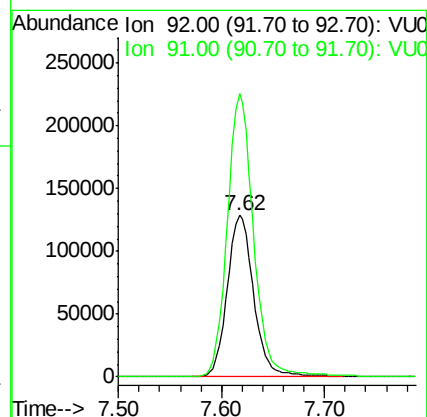
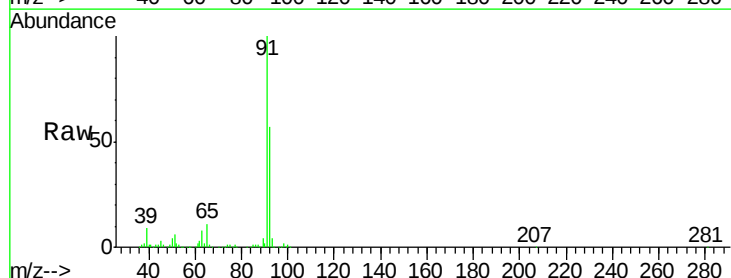
Acq: 31 Aug 2019 21:07

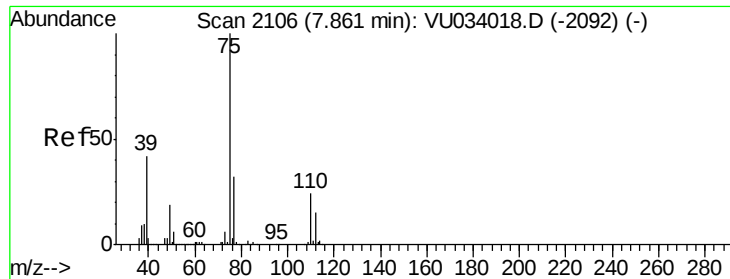
Tgt Ion: 92 Resp: 230889

Ion Ratio Lower Upper

92 100

91 173.9 138.3 207.5





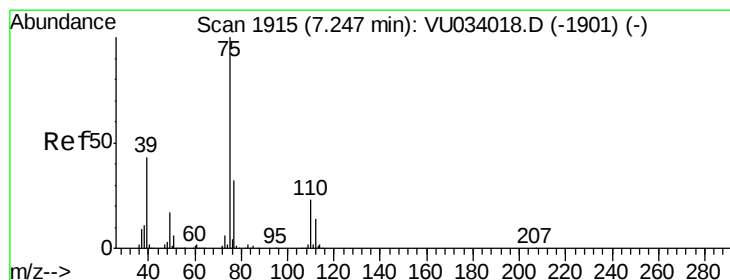
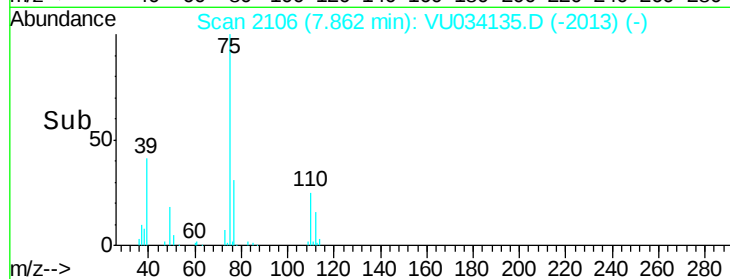
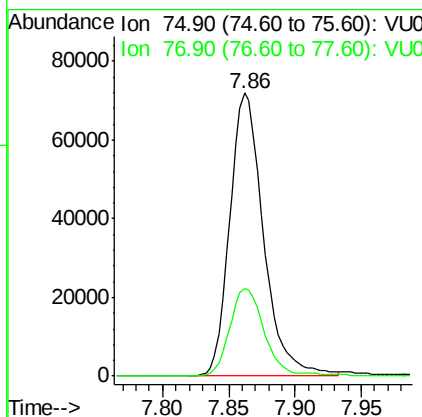
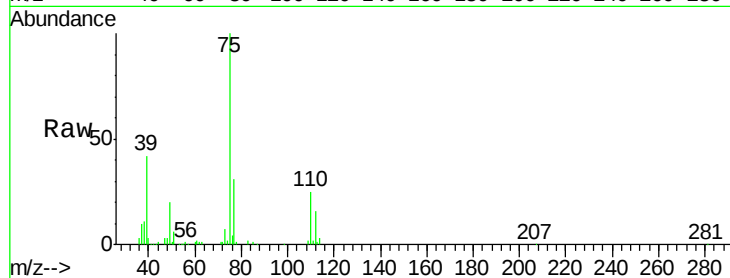
#53
t-1,3-Dichloropropene
Concen: 16.868 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

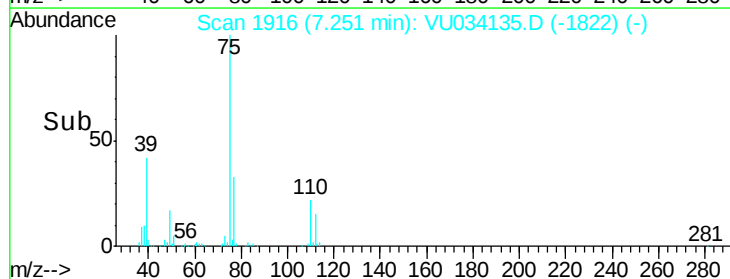
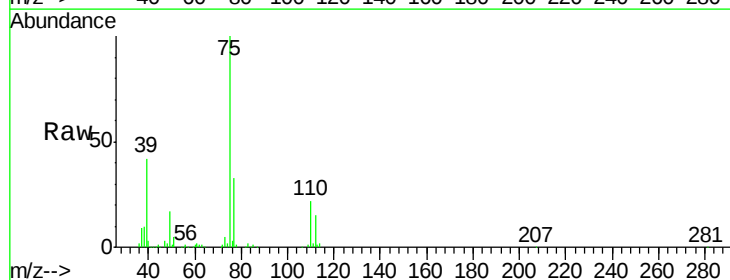
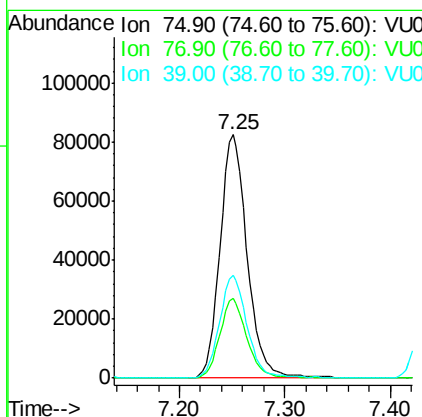
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#54
cis-1,3-Dichloropropene
Concen: 17.836 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.2	37.8
39	41.8	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 18.501 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

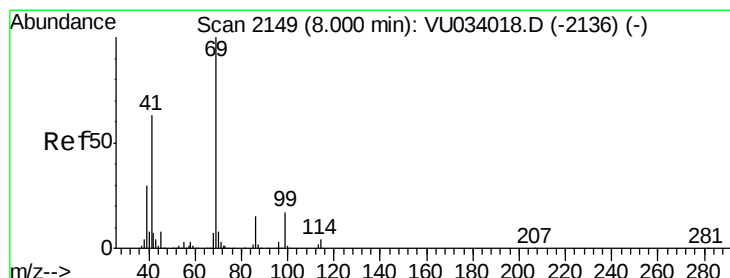
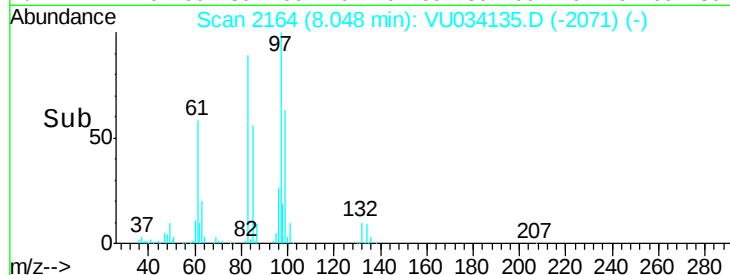
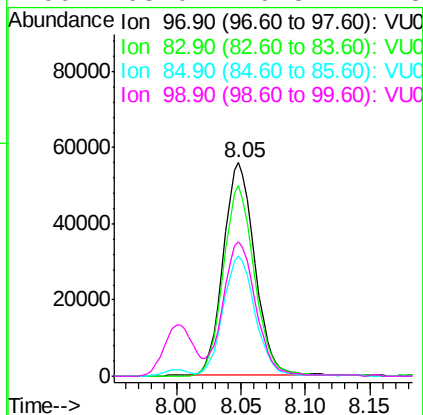
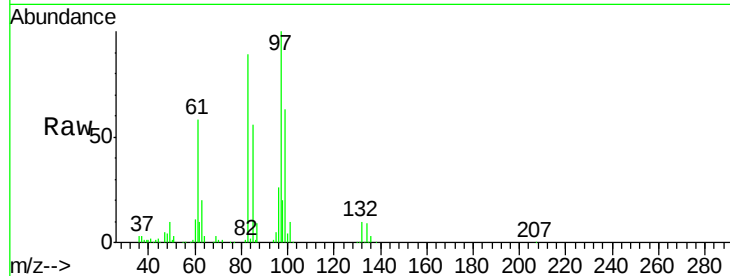
ClientSampleId :

VU0902WBS01

Tot Ion:	97	Resp:	94409
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.1	105.1
85	56.2	45.0	67.4
99	63.0	49.8	74.8

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#56

Ethyl methacrylate

Concen: 16.359 ug/l

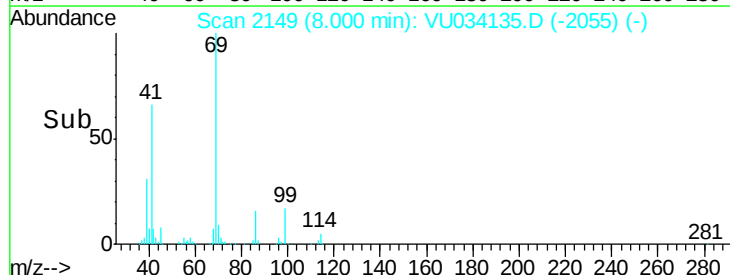
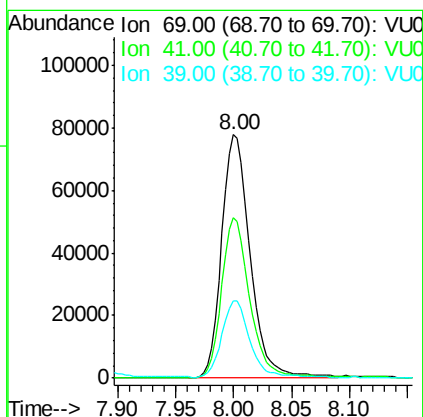
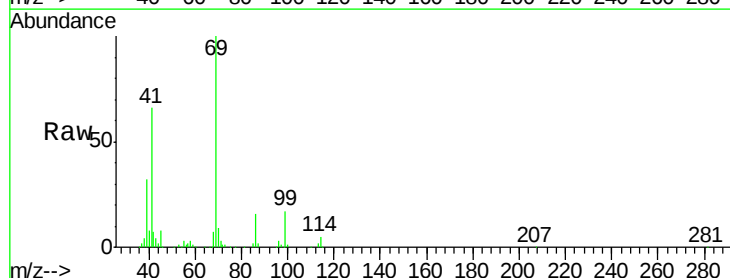
RT: 8.00 min Scan# 2149

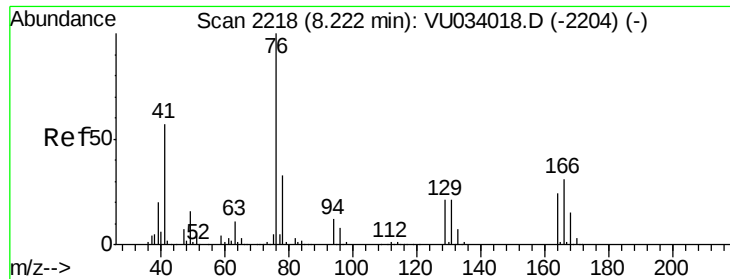
Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	69	Resp:	132828
Ion	Ratio	Lower	Upper
69	100		
41	65.2	50.7	76.1
39	30.5	24.2	36.2





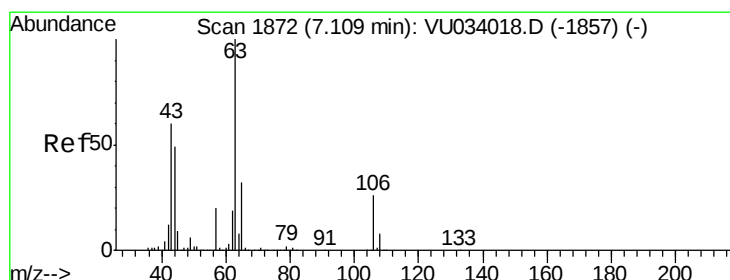
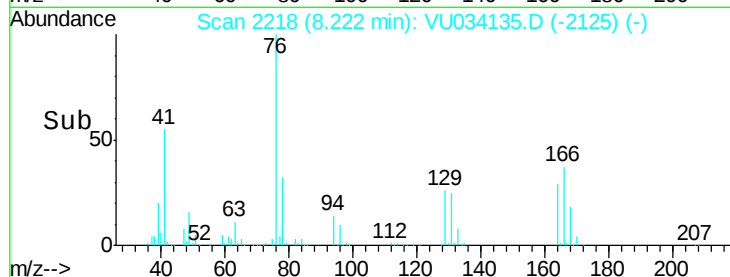
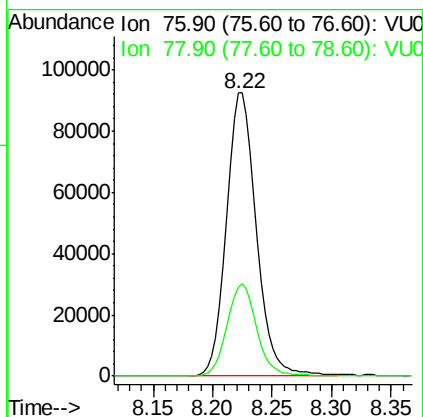
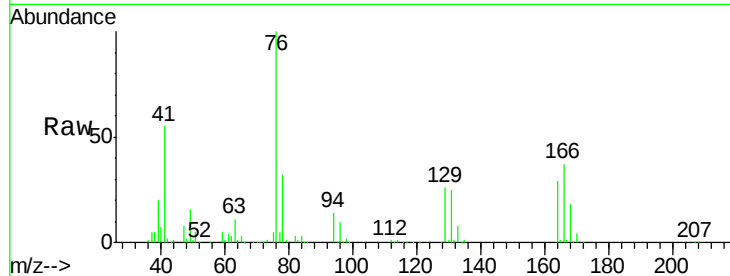
#57
 1,3-Dichloropropane
 Concen: 18.682 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampled :
 VU0902WBS01

Tot Ion: 76 Resp: 161871
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

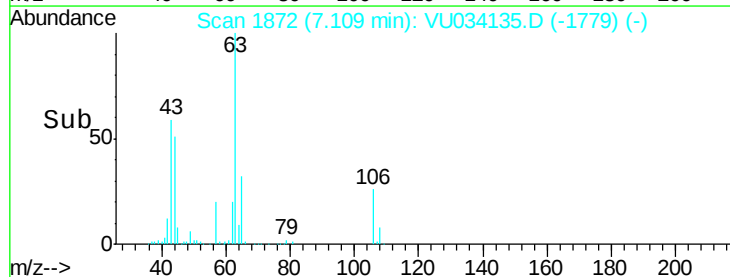
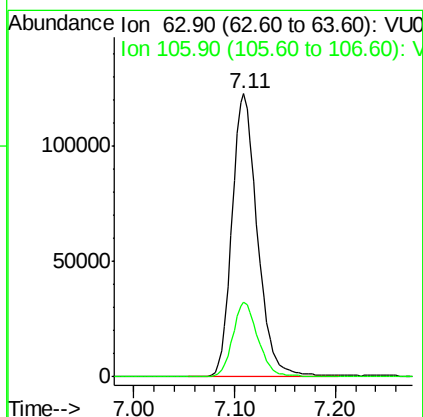
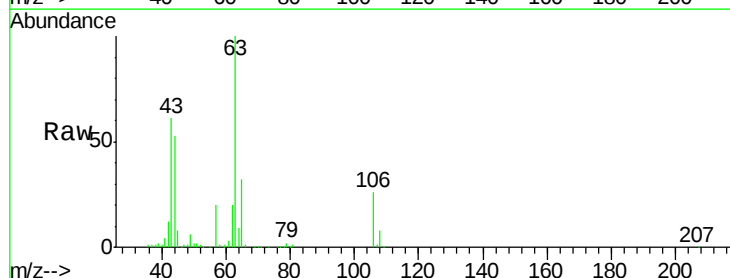
Manual Integrations
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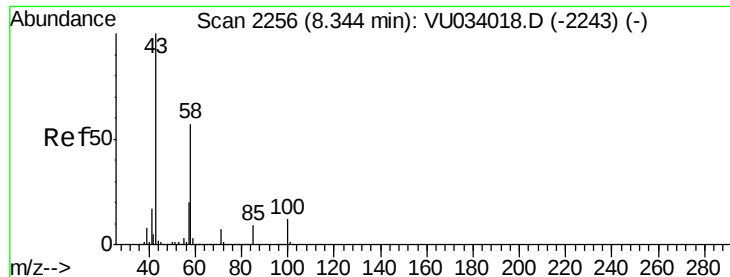
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#58
 2-Chloroethyl Vinyl ether
 Concen: 76.389 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 63 Resp: 215657
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.7 31.1





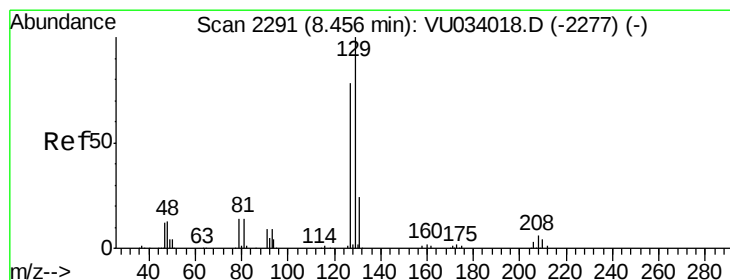
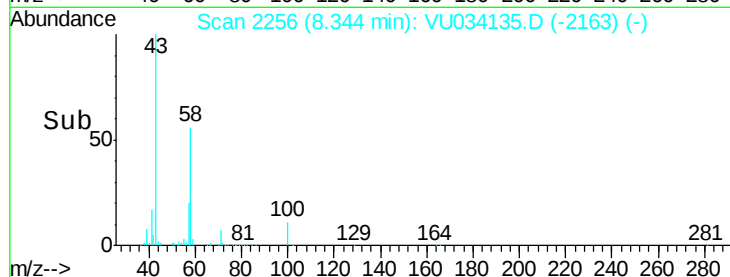
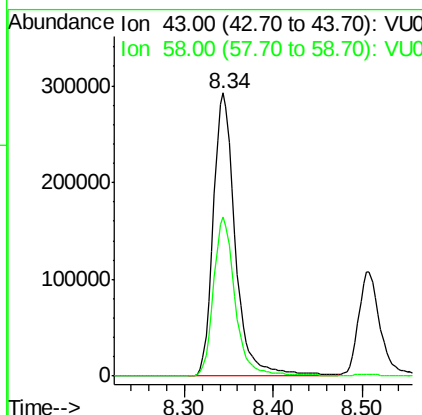
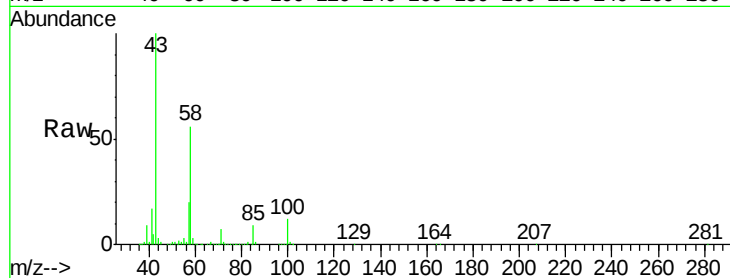
#59
2-Hexanone
Concen: 86.949 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	28.4	85.3

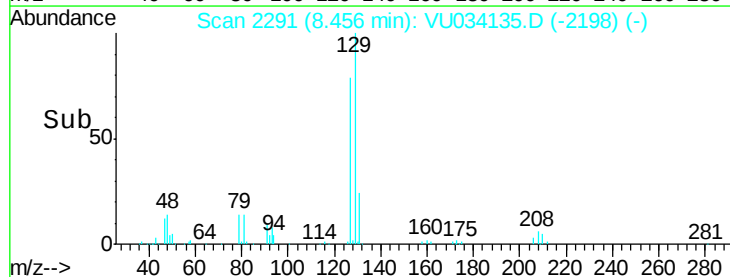
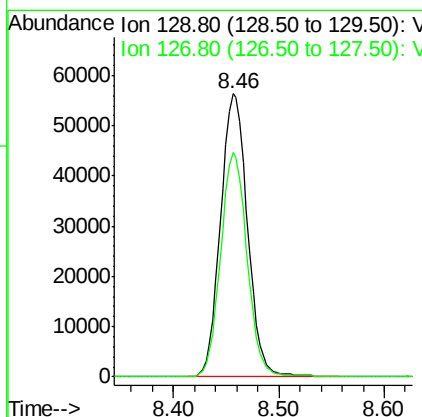
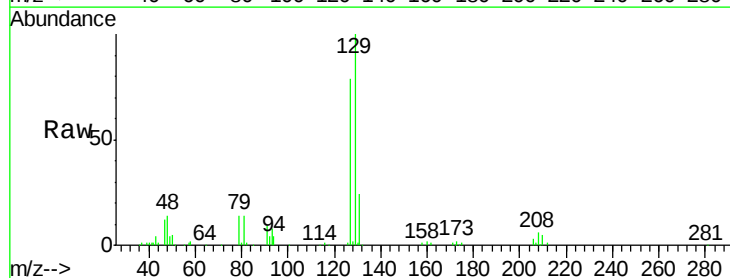
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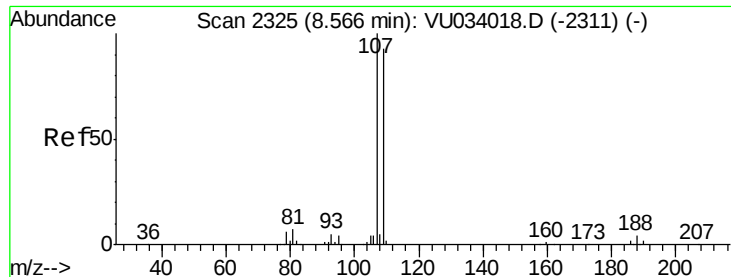
MMDadoda
9/3/2019 11:32:20 AM



#60
Dibromochloromethane
Concen: 18.226 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.101 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 107 Resp: 97302

Ion Ratio Lower Upper

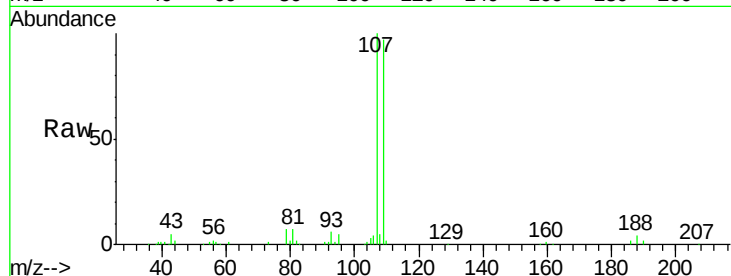
107 100

109 93.7 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

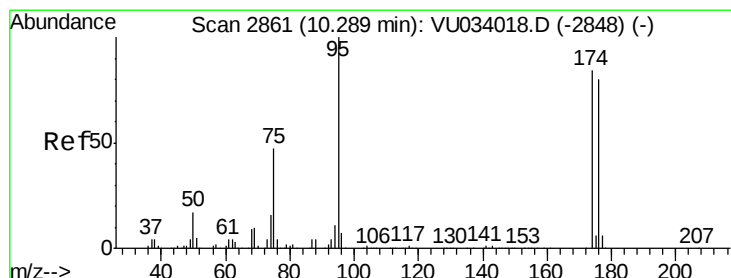
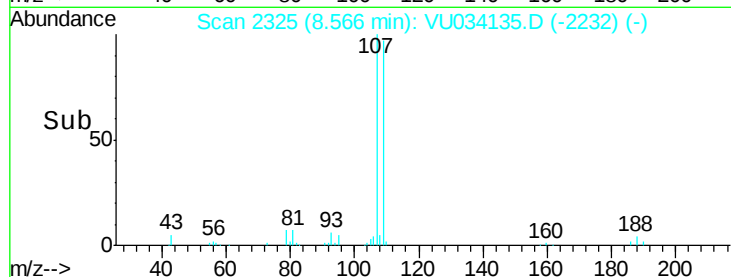
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

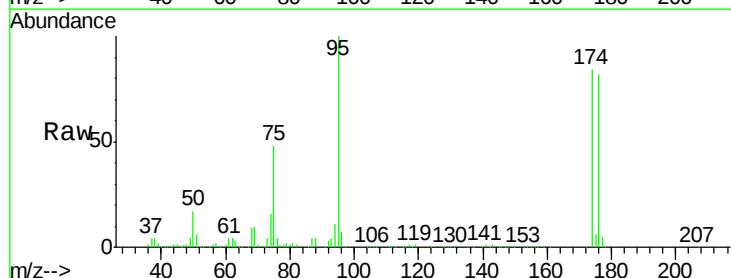
Tgt Ion: 95 Resp: 316162

Ion Ratio Lower Upper

95 100

174 83.9 0.0 168.8

176 81.4 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

250000

200000

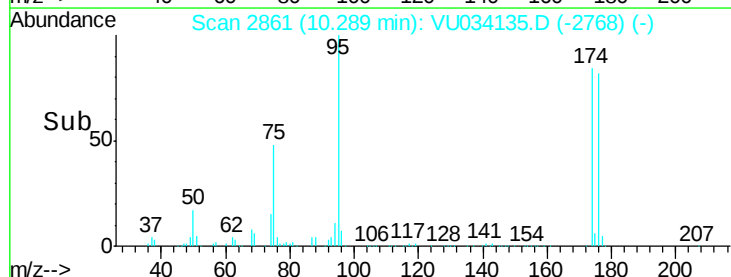
150000

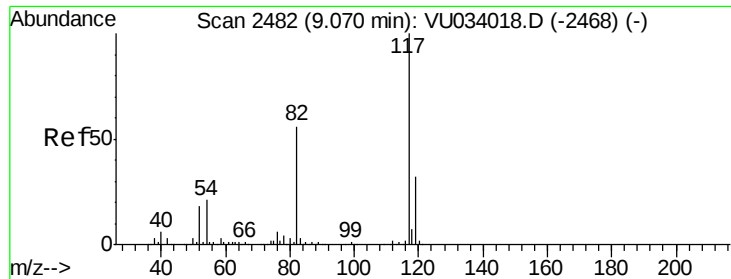
100000

50000

0

Time-->





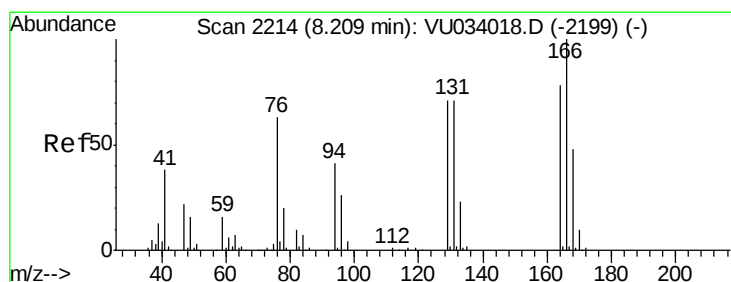
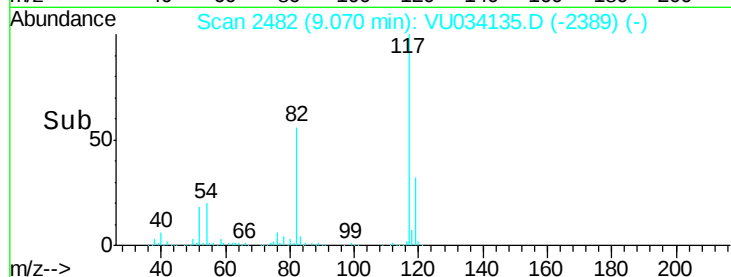
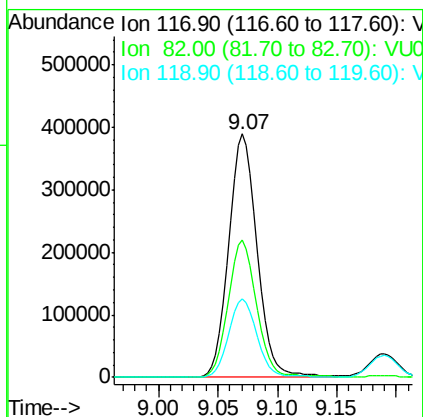
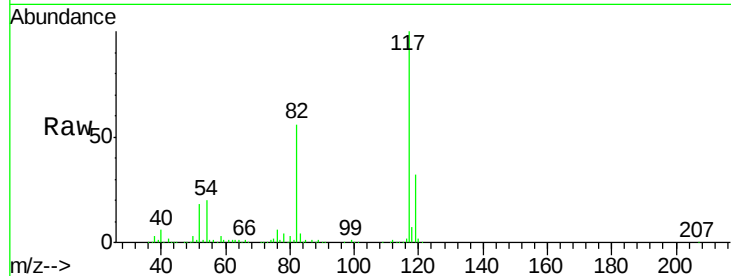
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	646380		
82	56.3		45.1	67.7
119	32.3		25.4	38.0

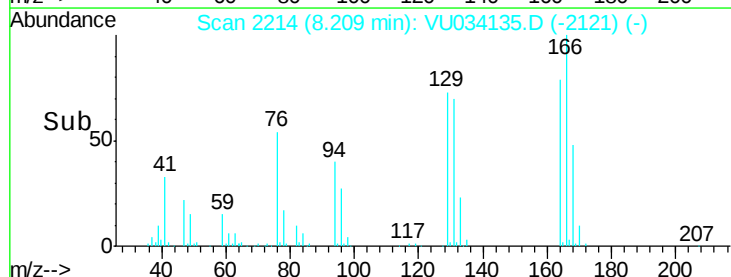
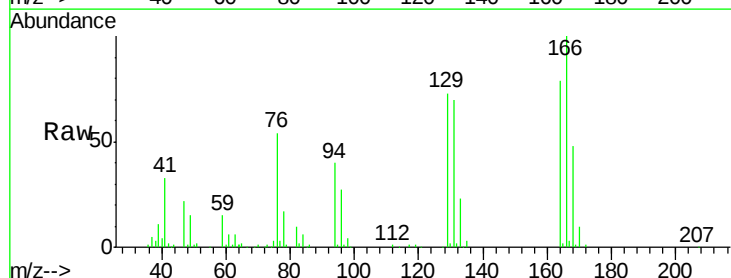
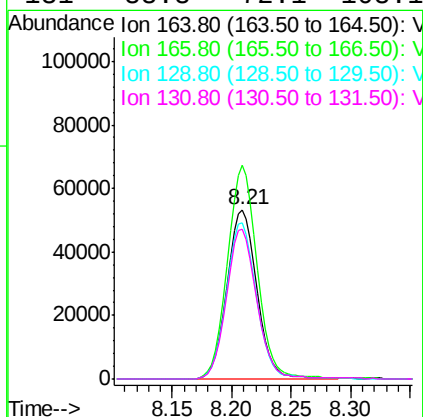
Manual Integrations
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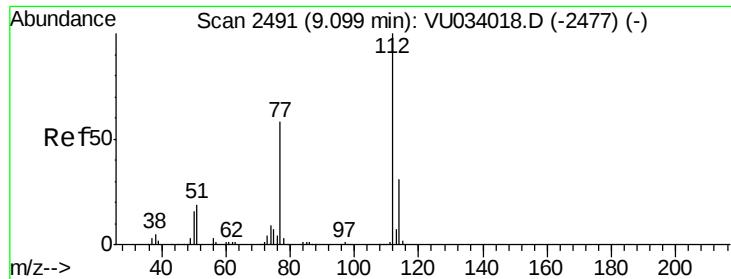
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9/3/2019 11:32:20 AM



#64
Tetrachloroethene
Concen: 21.466 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93179		
166	126.1		102.2	153.2
129	92.2		72.4	108.6
131	88.8		72.1	108.1





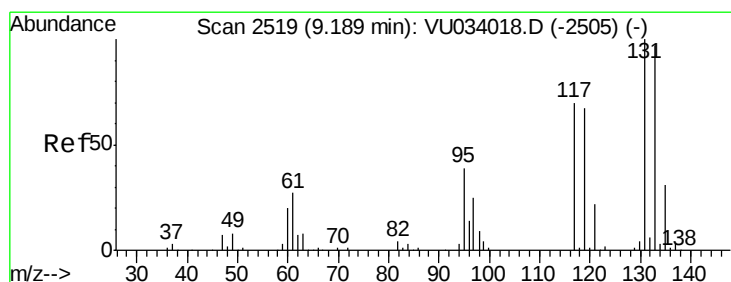
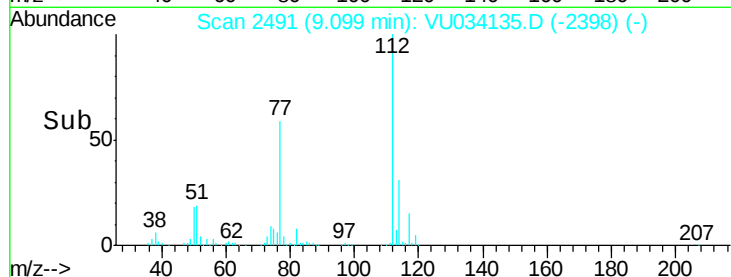
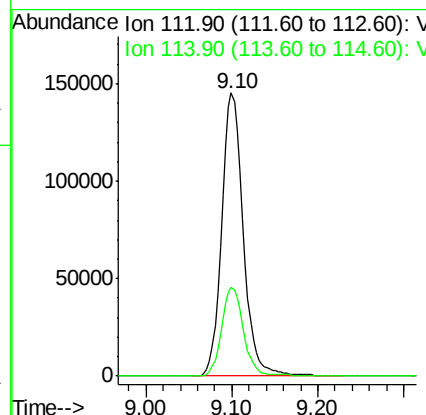
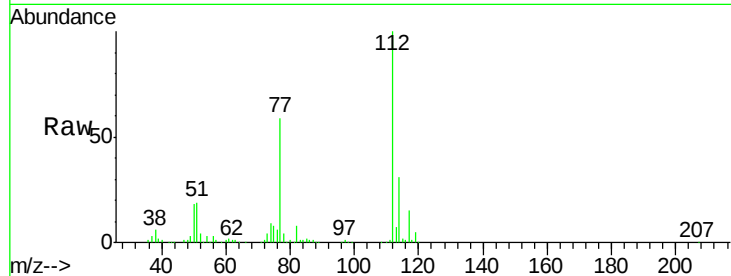
#65
Chlorobenzene
Concen: 19.097 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.4

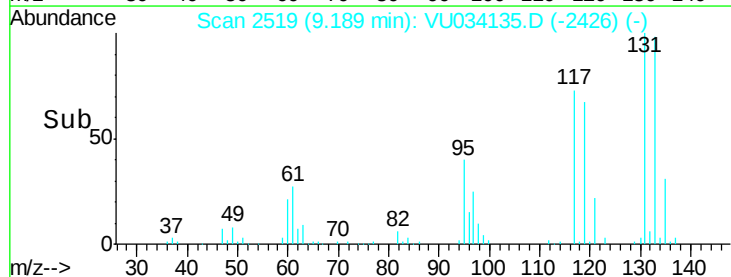
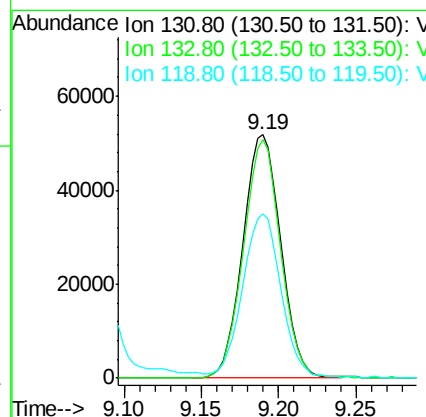
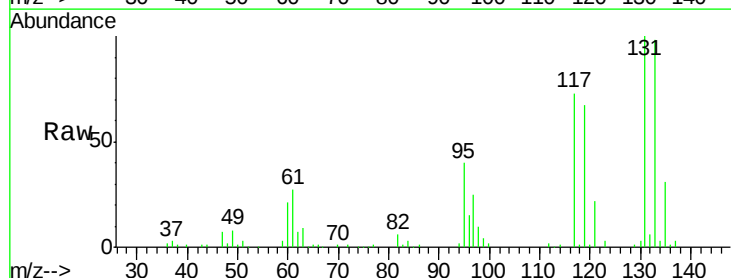
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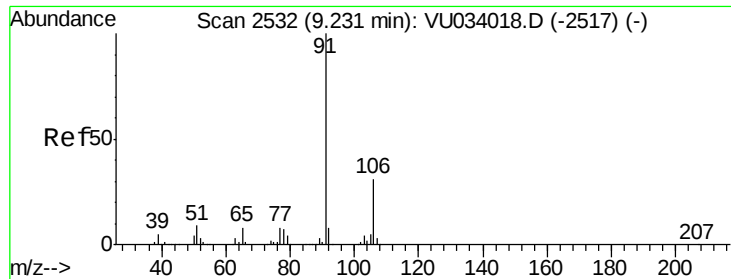
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.359 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.4	145.2
119	67.4	33.6	100.6





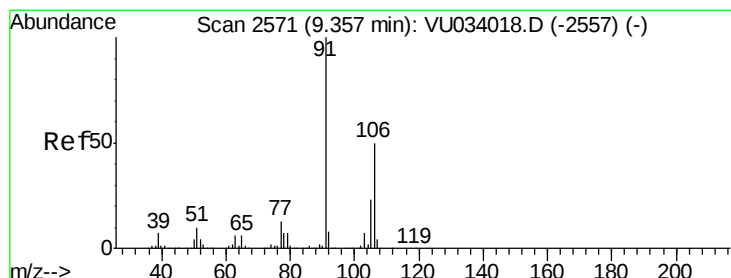
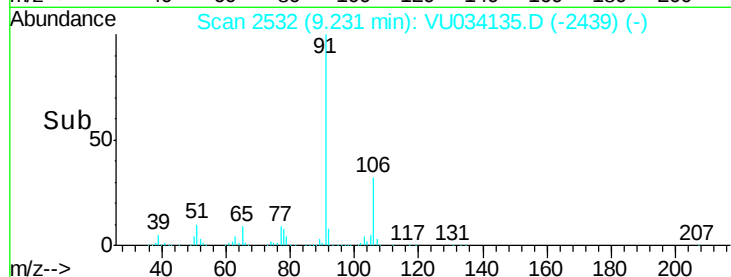
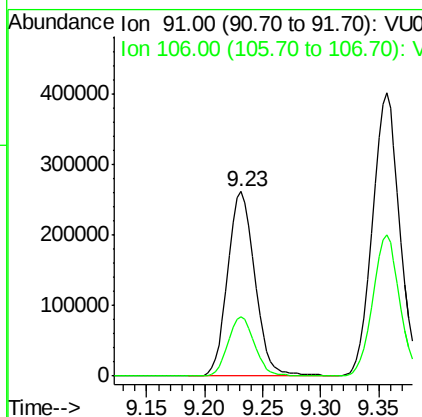
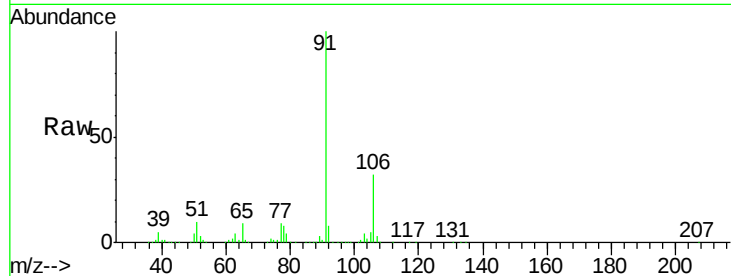
#67
Ethyl Benzene
Concen: 18.869 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion: 91 Resp: 425467
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3

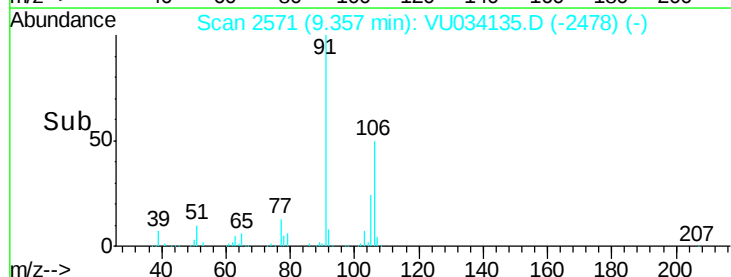
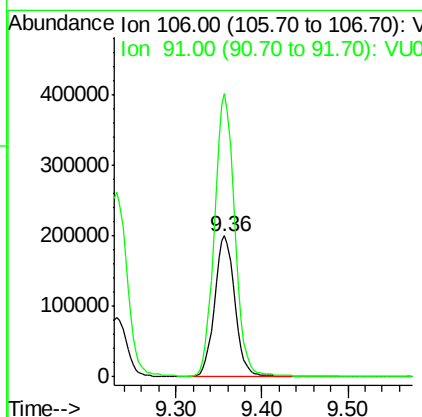
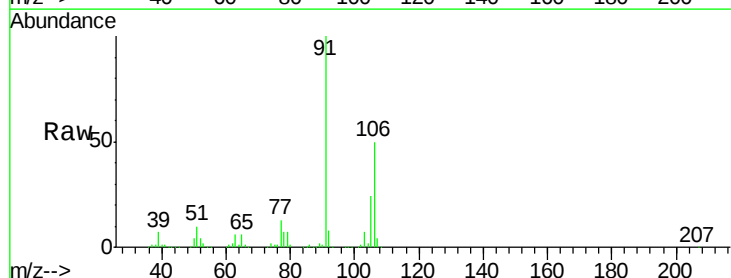
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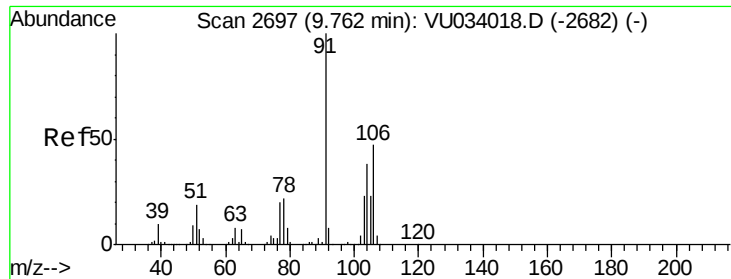
MMDadoda
9/3/2019 11:32:20 AM



#68
m/p-Xylenes
Concen: 38.498 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 106 Resp: 330075
Ion Ratio Lower Upper
106 100
91 201.0 161.6 242.4





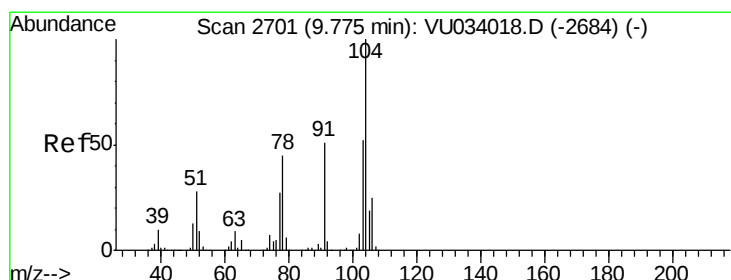
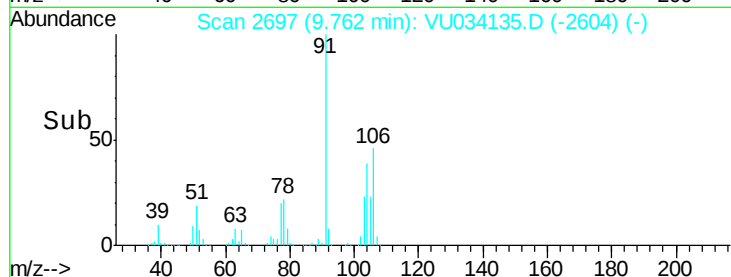
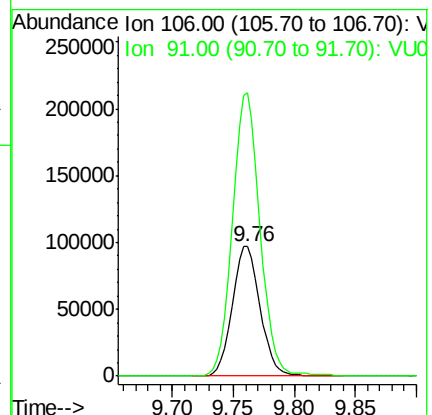
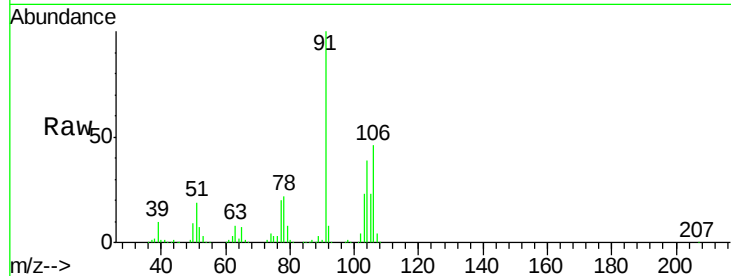
#69
o-Xylene
Concen: 18.888 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	155367		
91	216.0	106.0	318.0	

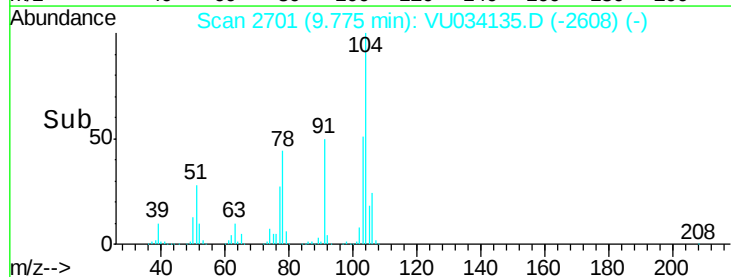
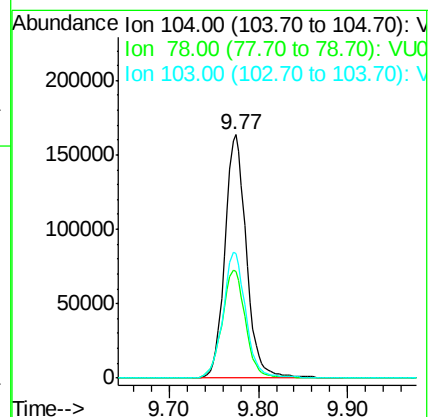
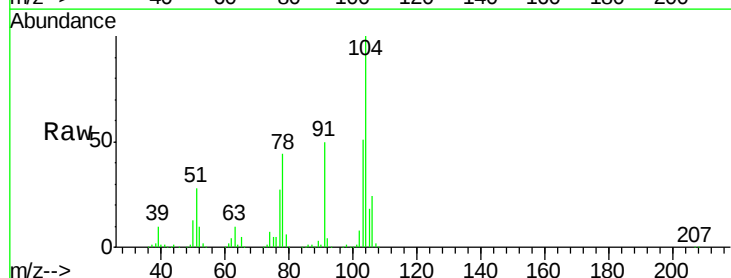
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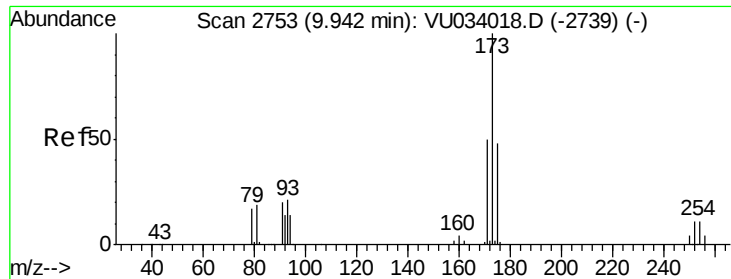
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#70
Styrene
Concen: 19.395 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	273541		
78	48.3	39.0	58.4	
103	54.9	44.0	66.0	





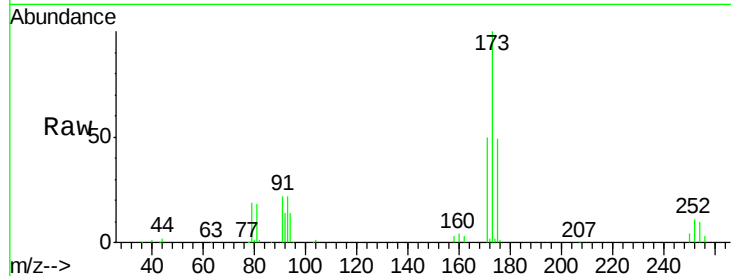
#71
Bromoform
Concen: 17.351 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

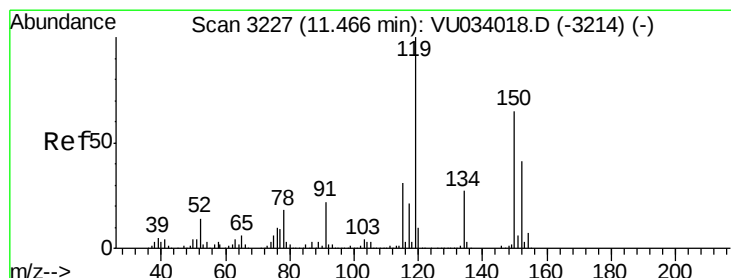
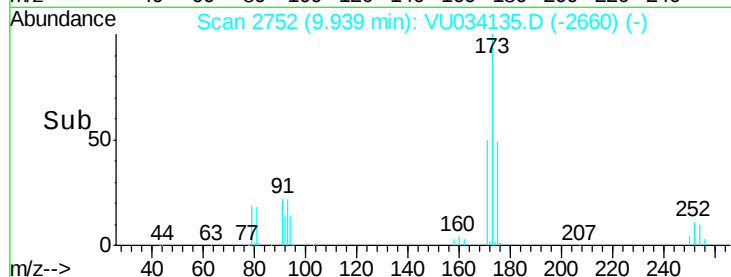
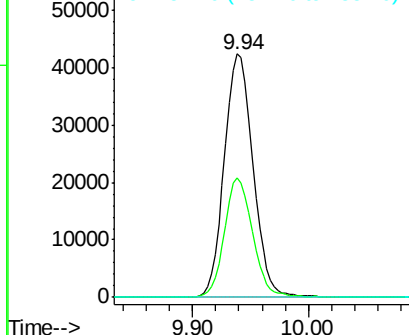
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.0	24.6	73.6	
254	0.0	0.0	0.0	

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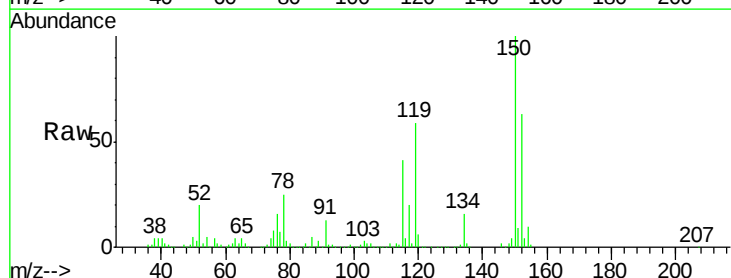


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

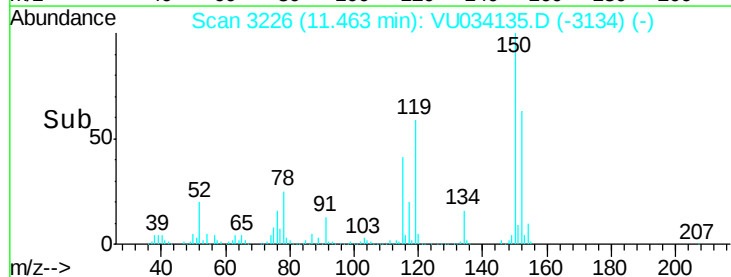
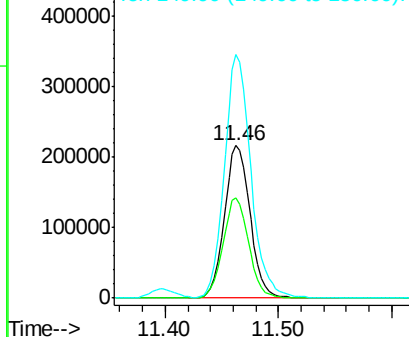


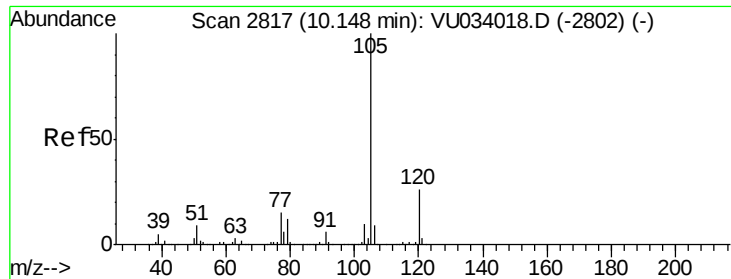
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	65.7	41.1	123.3	
150	164.0	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: 18.592 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion:105 Resp: 426146

Ion Ratio Lower Upper

105 100

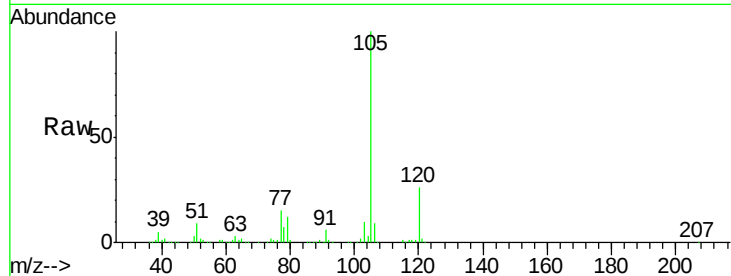
120 26.1 13.3 39.8

Manual Integrations

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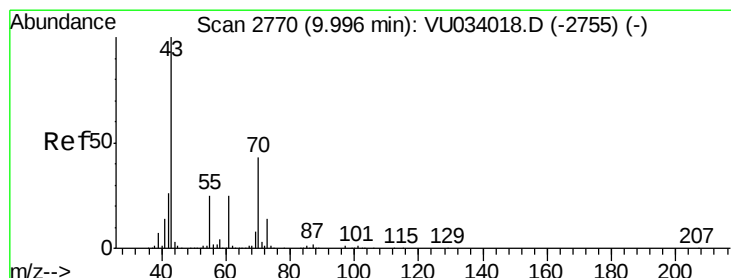
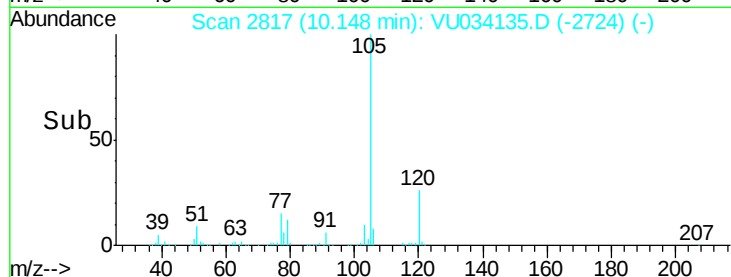
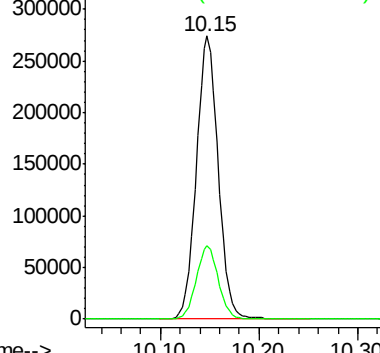
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.055 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion: 43 Resp: 164419

Ion Ratio Lower Upper

43 100

70 43.4 35.2 52.8

55 26.8 20.5 30.7

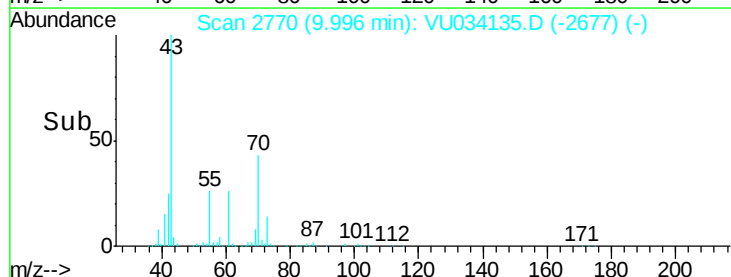
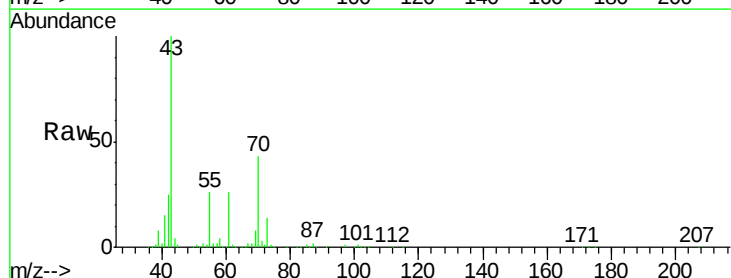
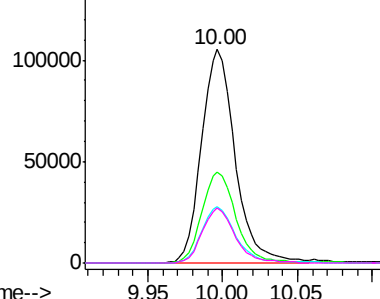
61 25.1 20.0 30.0

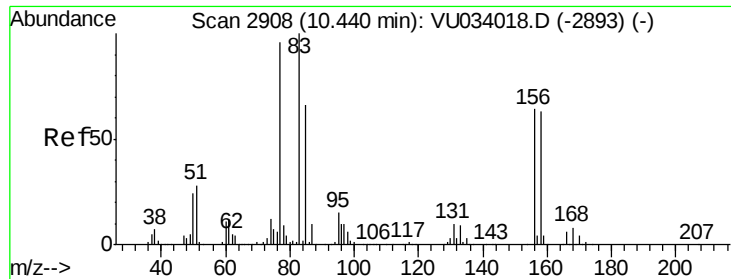
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.846 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

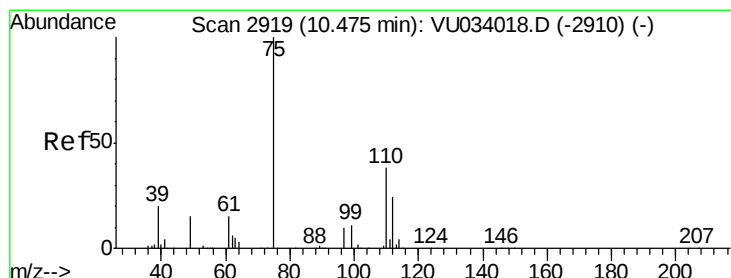
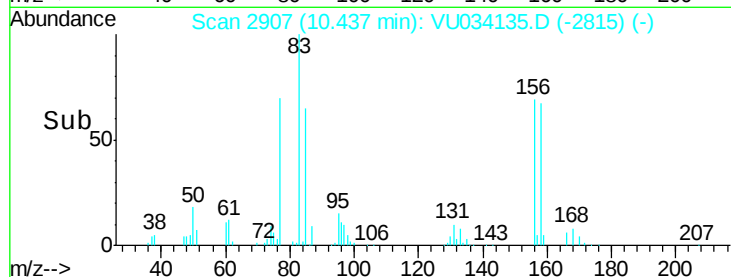
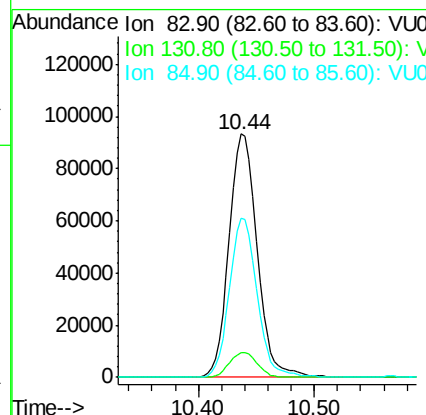
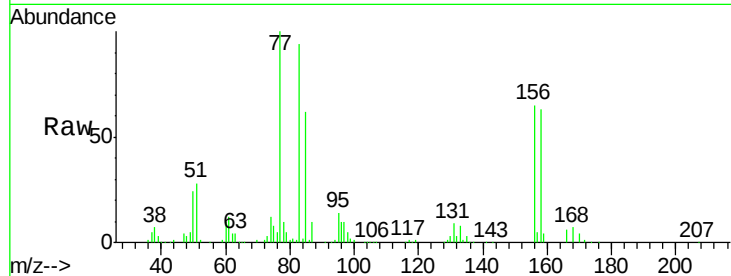
ClientSampleId :

VU0902WBS01

Tot Ion	83	131	85
Resp	156563	10.0	64.3
Lower		5.0	32.2
Upper		14.9	96.6

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#76

1,2,3-Trichloropropane

Concen: 17.487 ug/l m

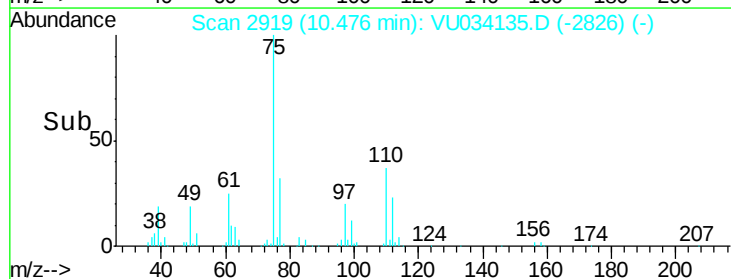
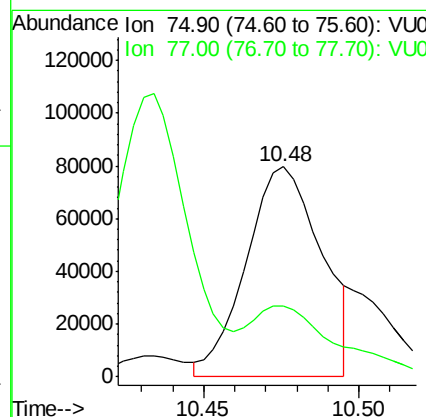
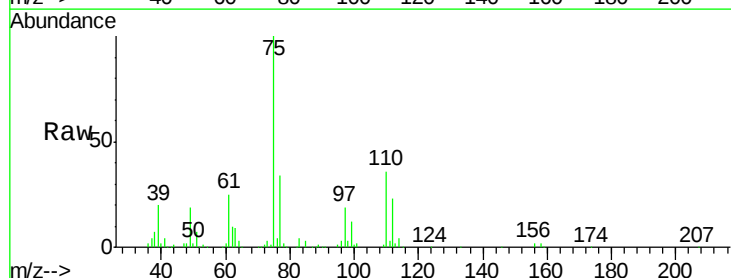
RT: 10.48 min Scan# 2919

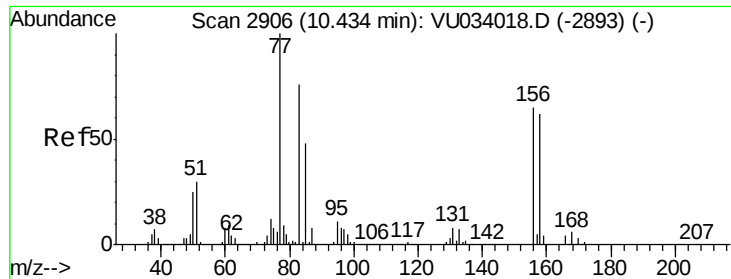
Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion	75	77
Resp	134488	40.3
Lower		20.1
Upper		60.2





#77

Bromobenzene

Concen: 18.436 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

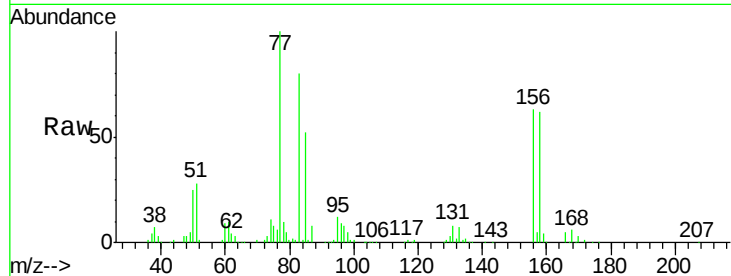
ClientSampleId :

VU0902WBS01

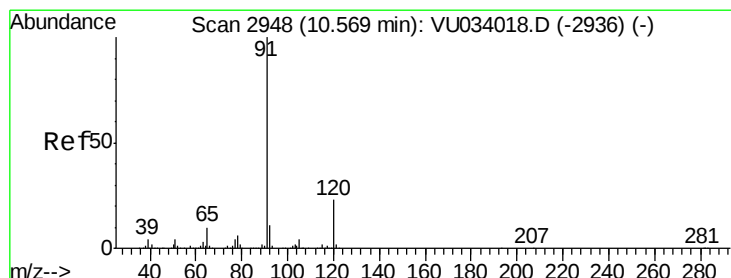
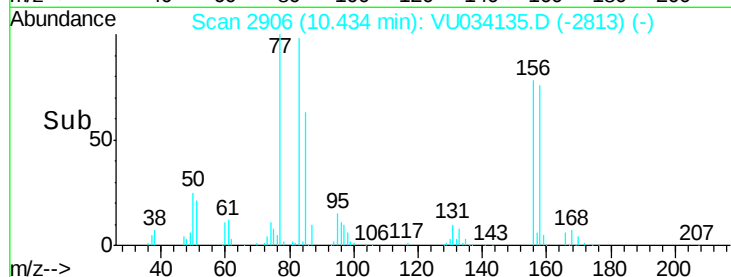
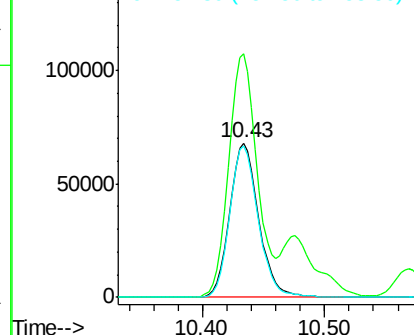
Tot Ion:	156	Resp:	113672
Ion Ratio	Lower	Upper	
156	100		
77	155.0	76.8	230.5
158	96.5	48.4	145.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.492 ug/l

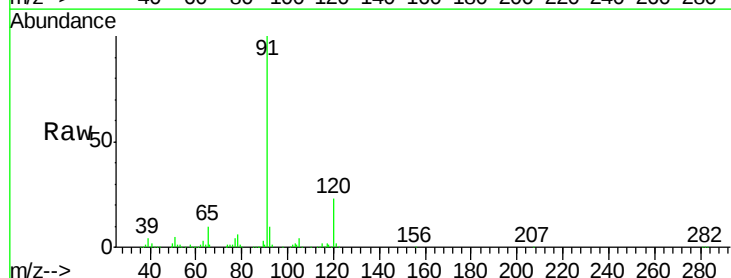
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

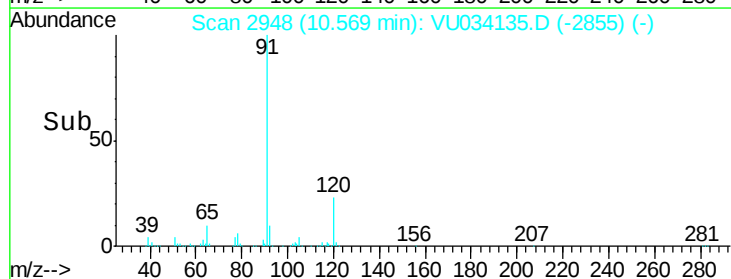
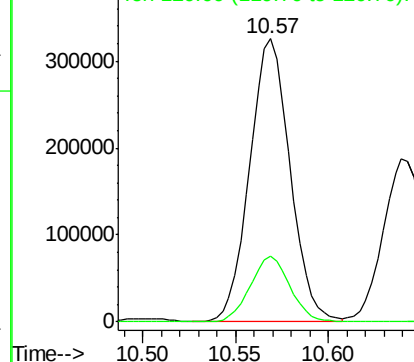
Lab File: VU034135.D

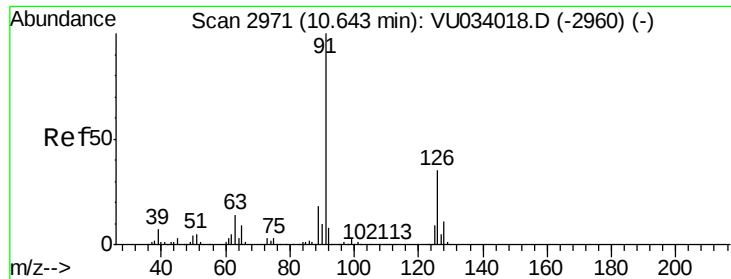
Acq: 31 Aug 2019 21:07

Tgt Ion:	91	Resp:	493612
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.759 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tot Ion: 91 Resp: 300351

Ion Ratio Lower Upper

91 100

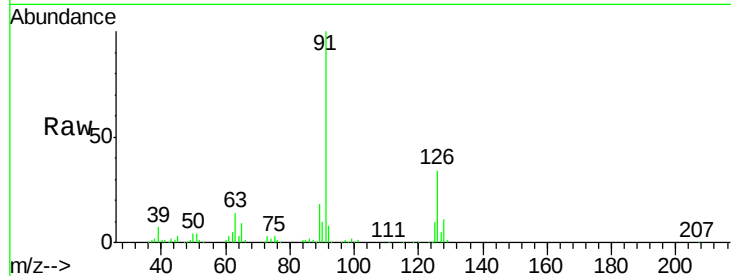
126 33.3 17.1 51.2

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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

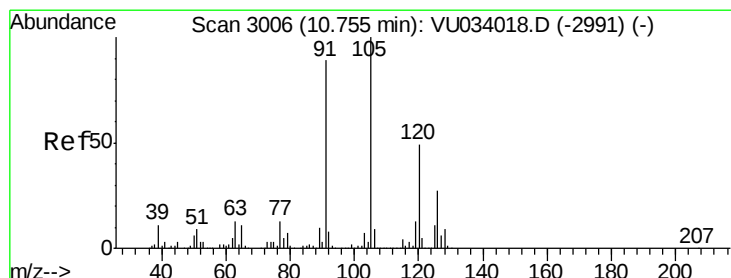
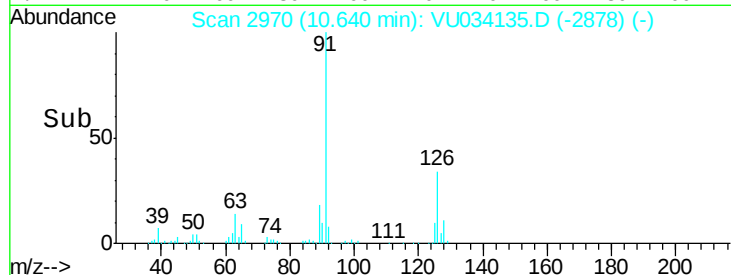
200000

100000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.640 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034135.D

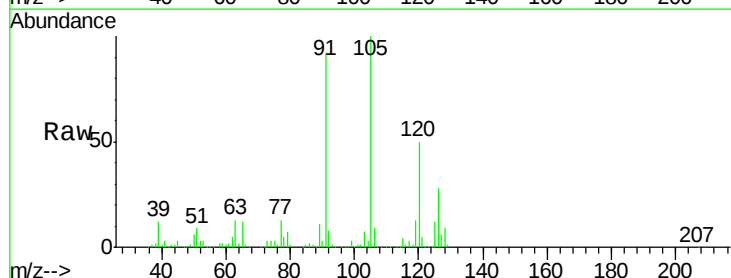
Acq: 31 Aug 2019 21:07

Tgt Ion: 105 Resp: 362118

Ion Ratio Lower Upper

105 100

120 49.5 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

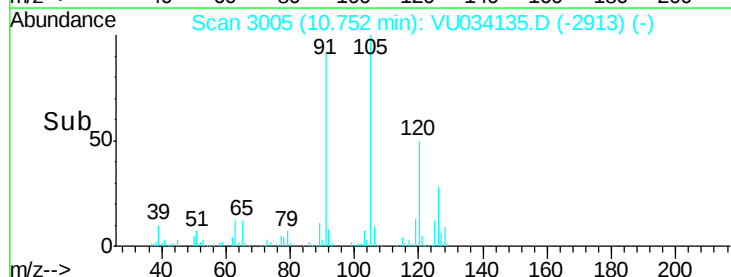
100000

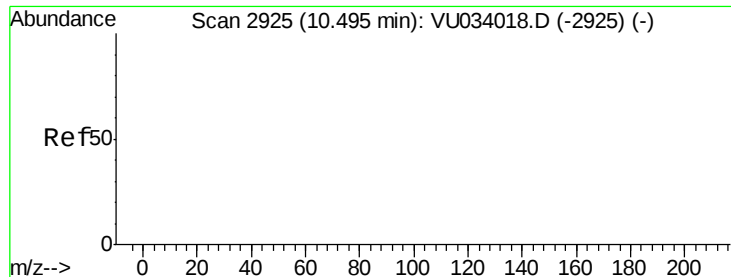
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.173 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

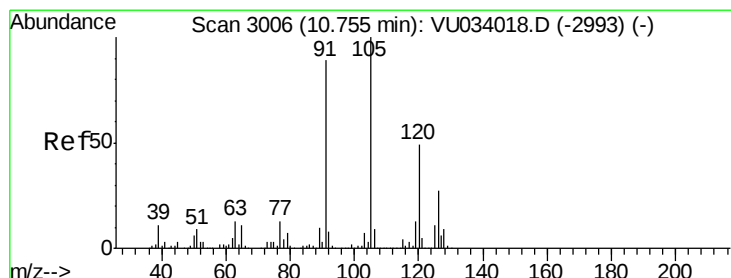
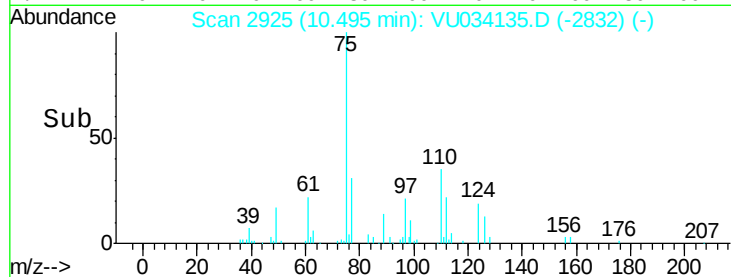
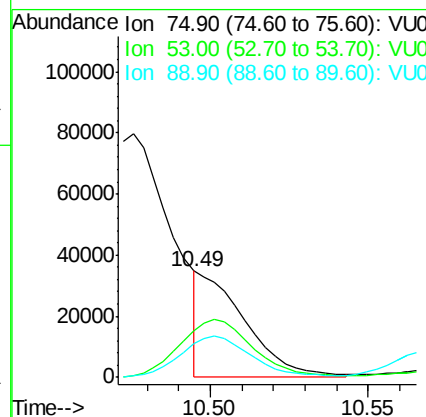
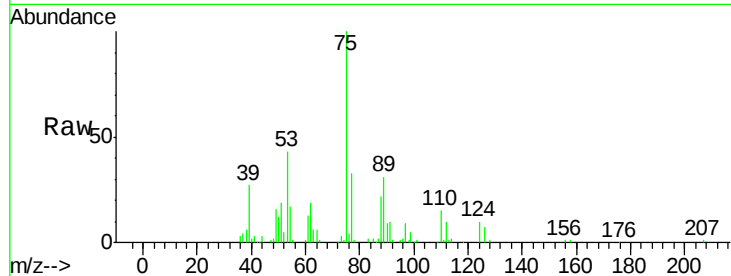
ClientSampleId :

VU0902WBS01

Tot Ion:	75	Resp:	34655
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: 18.624 ug/l

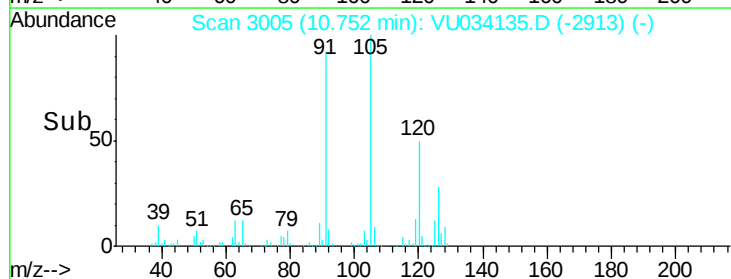
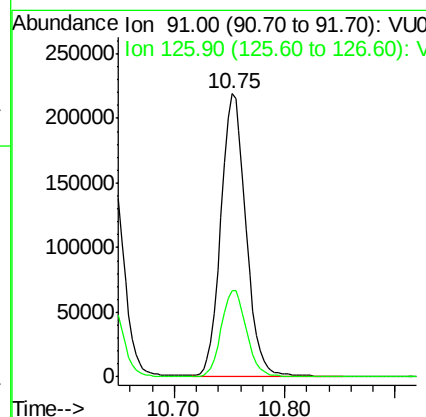
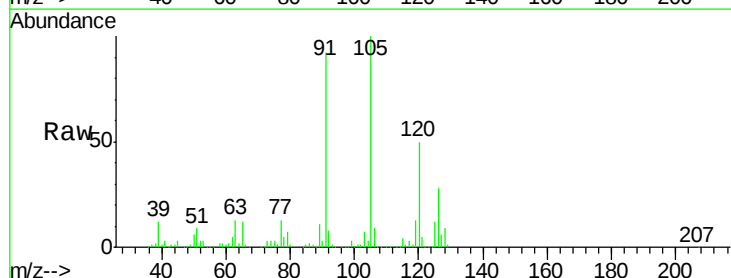
RT: 10.75 min Scan# 3005

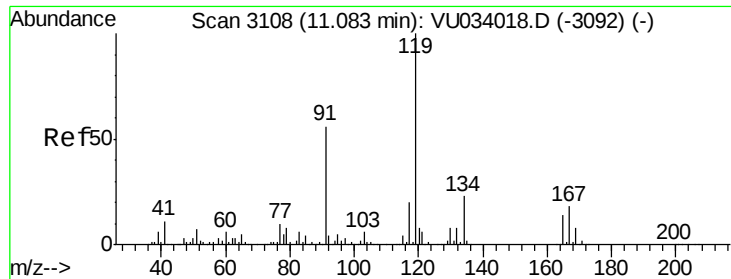
Delta R.T. -0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion:	91	Resp:	342942
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.0	45.1





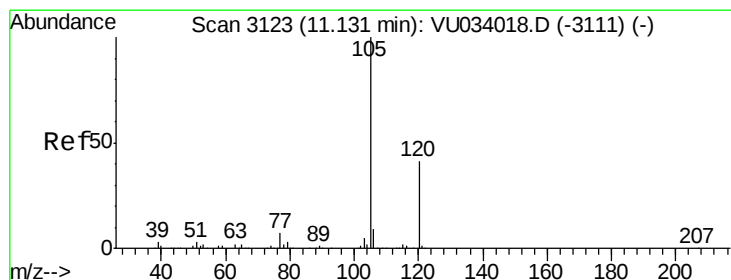
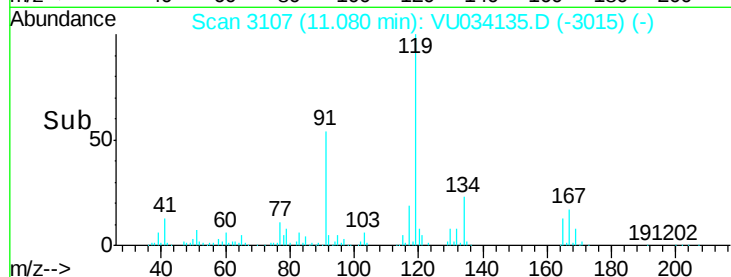
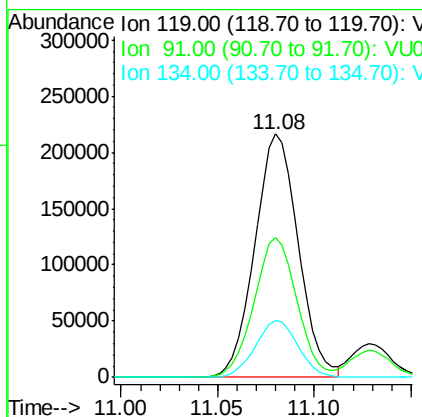
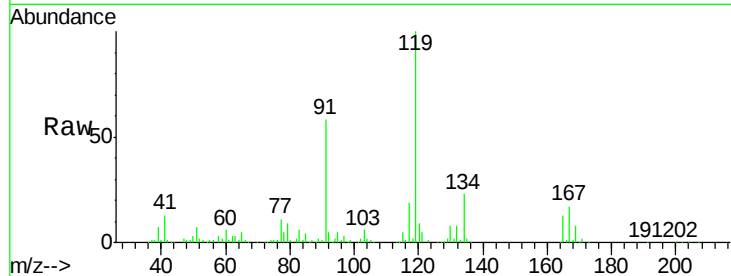
#83
tert-Butylbenzene
Concen: 17.659 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	337710		
91	56.6		27.9	83.6
134	23.0		11.4	34.2

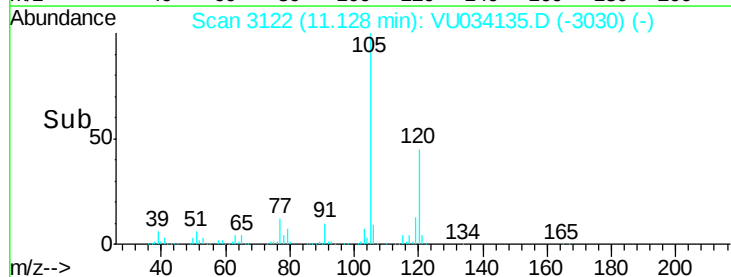
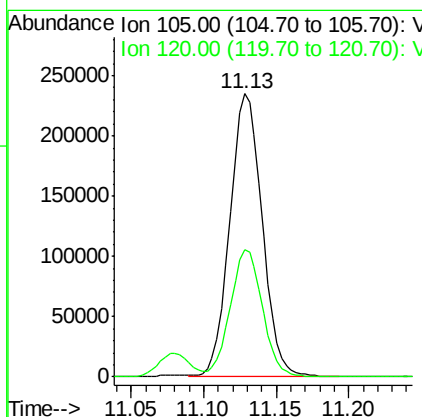
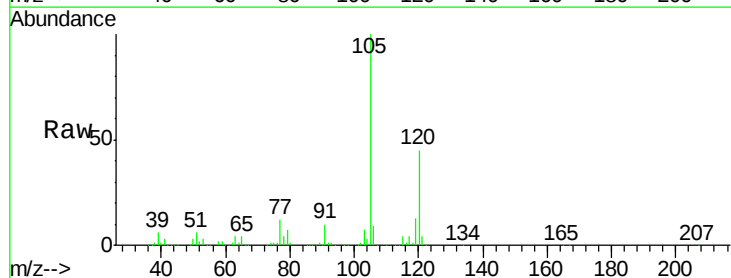
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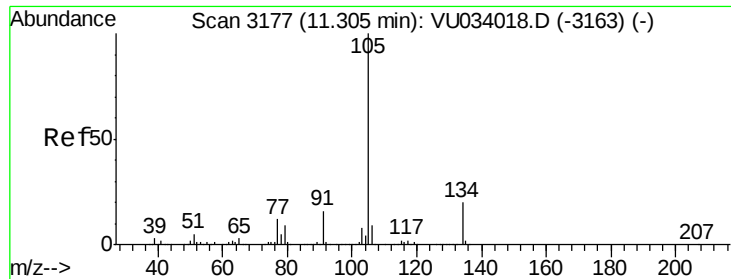
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#84
1,2,4-Trimethylbenzene
Concen: 18.706 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360847		
120	44.9		22.6	67.8





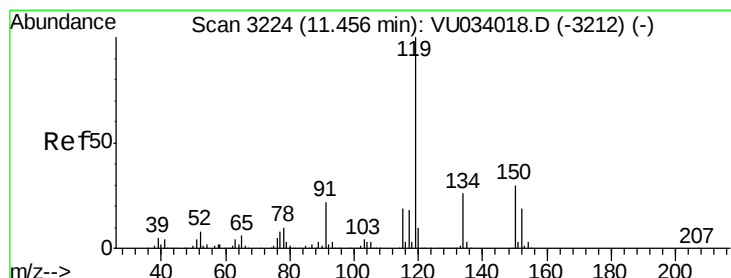
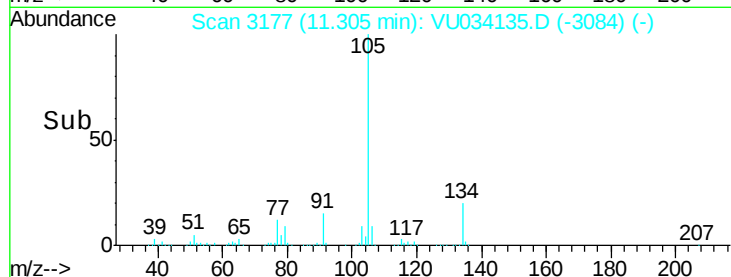
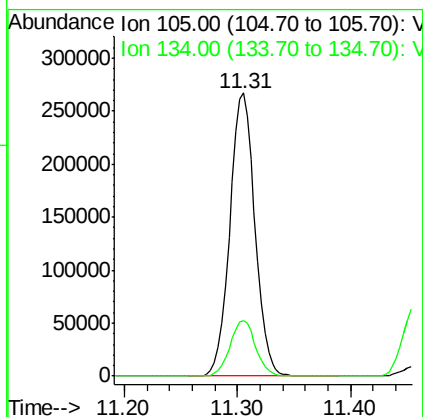
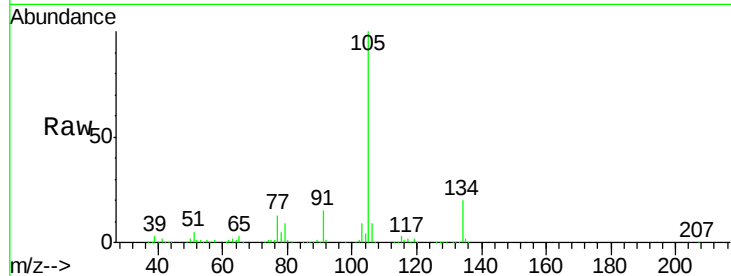
#85
 sec-Butylbenzene
 Concen: 17.886 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

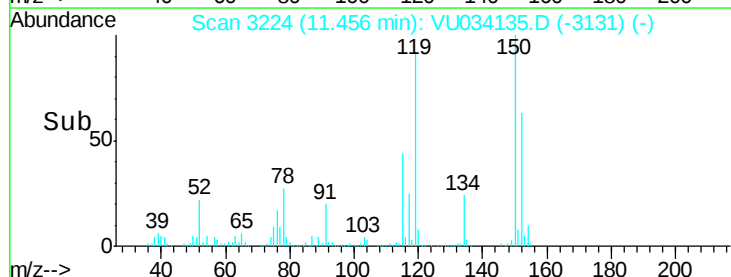
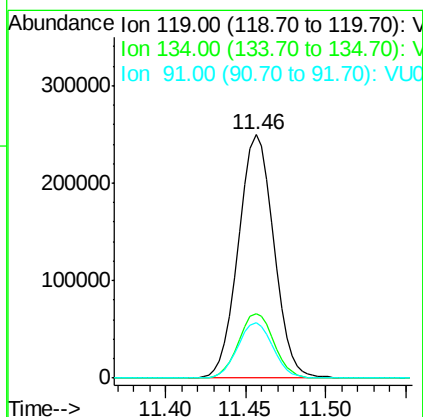
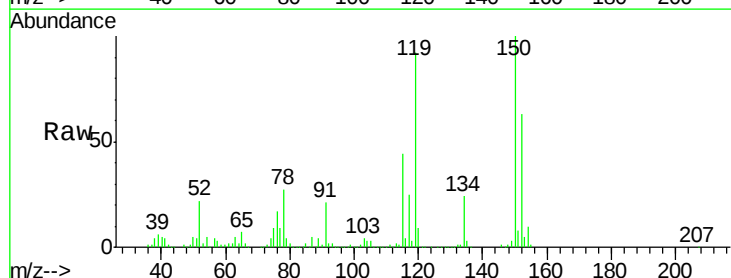
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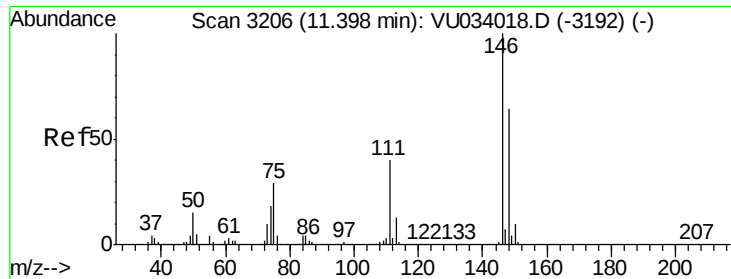
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#86
 p-Isopropyltoluene
 Concen: 18.049 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.1	39.1
91	22.7	11.2	33.6





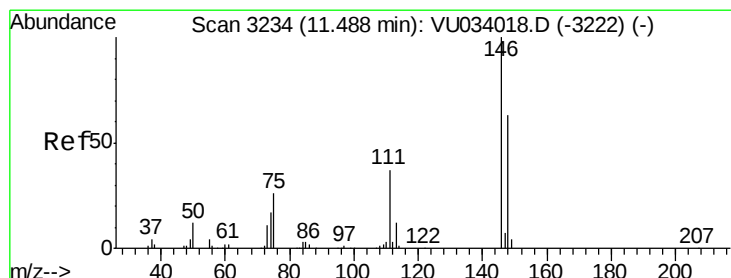
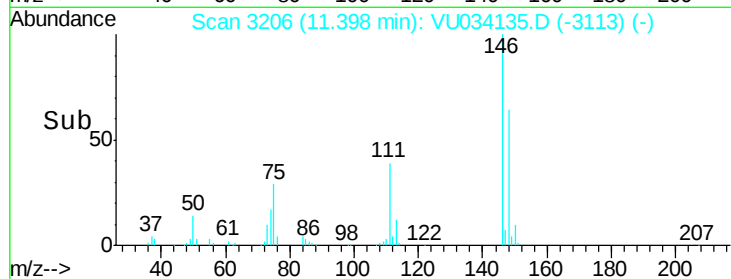
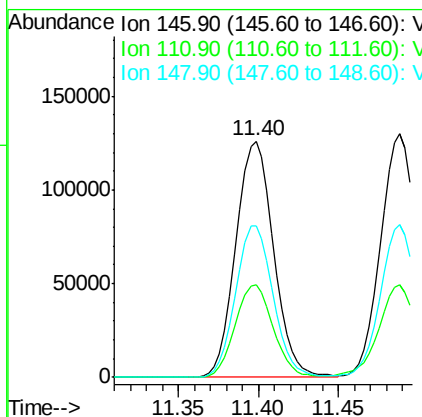
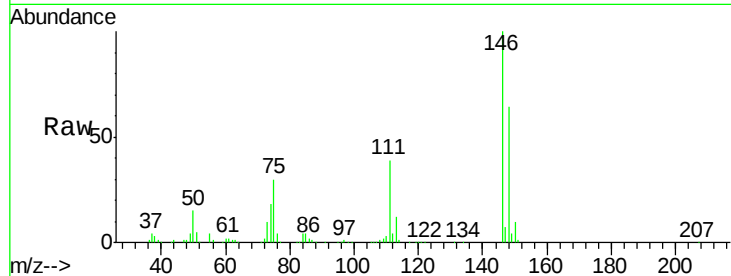
#87
 1,3-Dichlorobenzene
 Concen: 18.589 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202915		
111	39.3	19.9	59.6	
148	63.6	31.9	95.5	

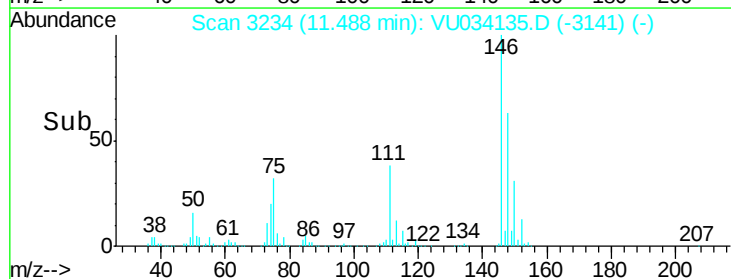
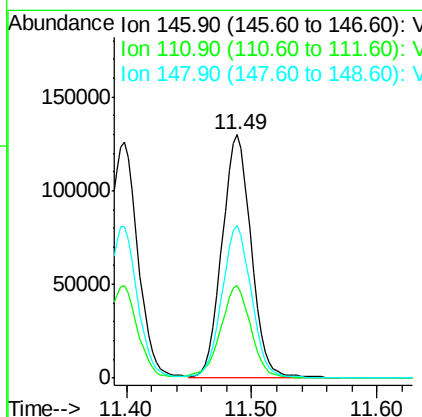
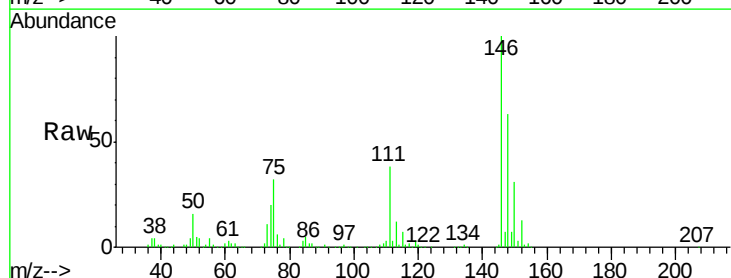
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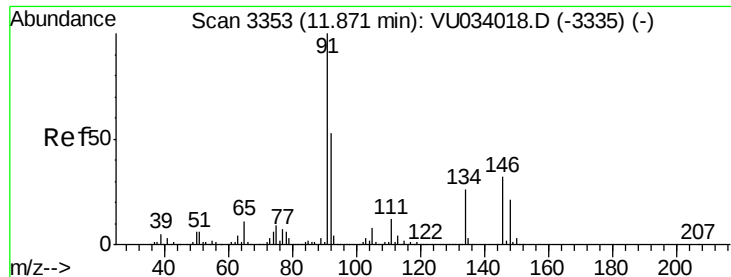
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#88
 1,4-Dichlorobenzene
 Concen: 18.819 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207745		
111	39.5	19.2	57.6	
148	63.6	31.9	95.9	





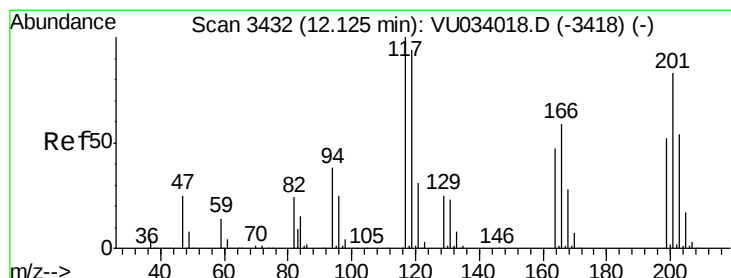
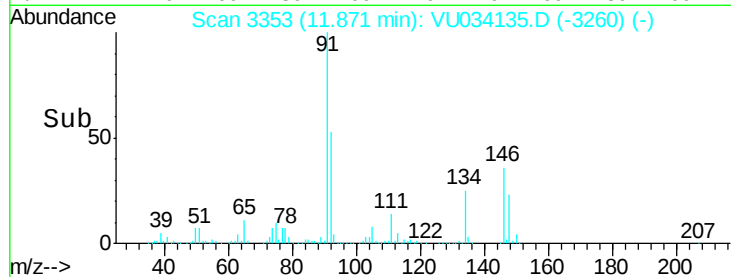
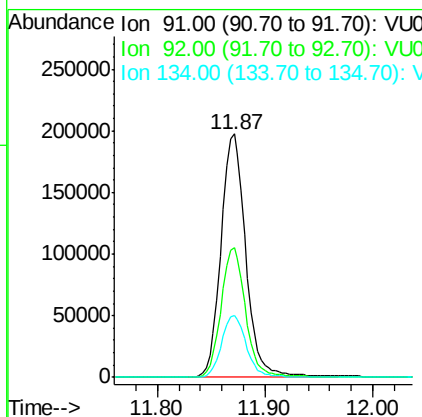
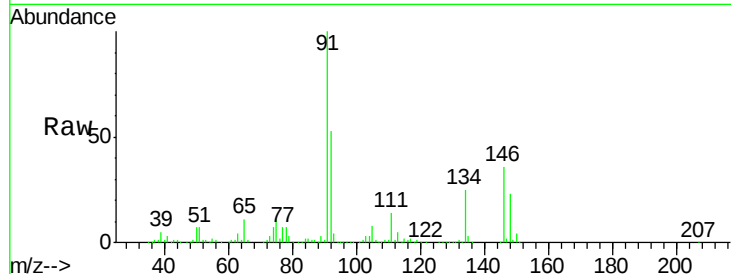
#89
n-Butylbenzene
Concen: 17.337 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		316869		
92	53.0	26.3		78.9	
134	25.5	12.9		38.7	

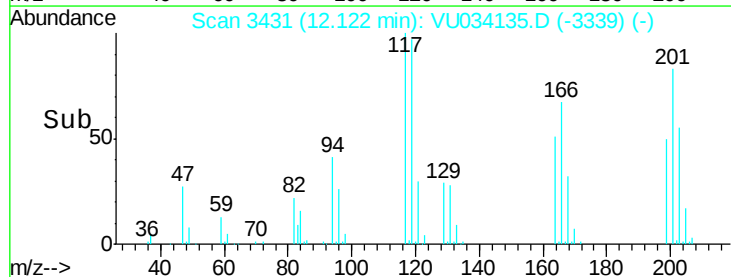
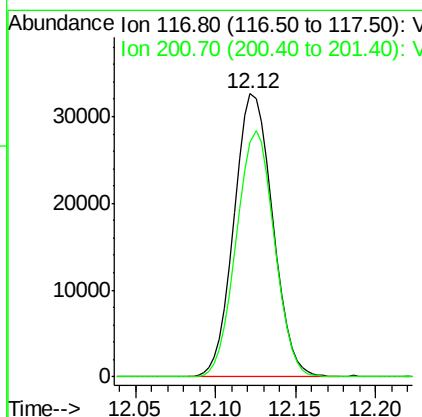
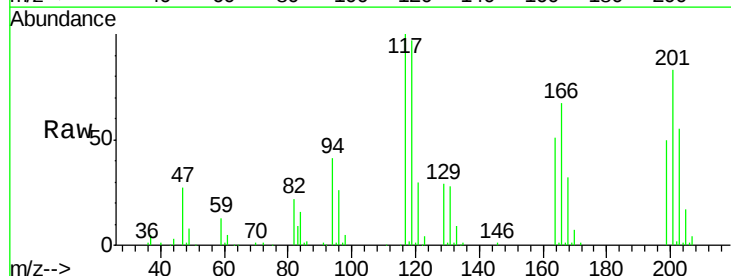
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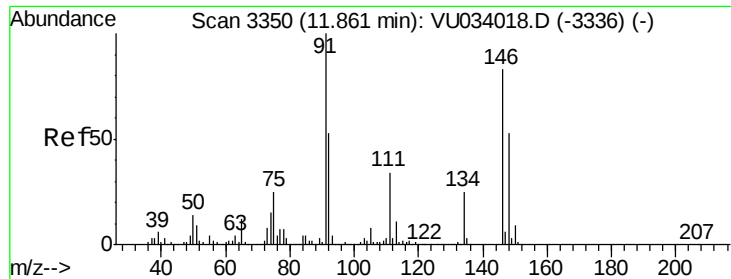
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#90
Hexachloroethane
Concen: 15.002 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		53769		
201	85.2	42.5		127.6	





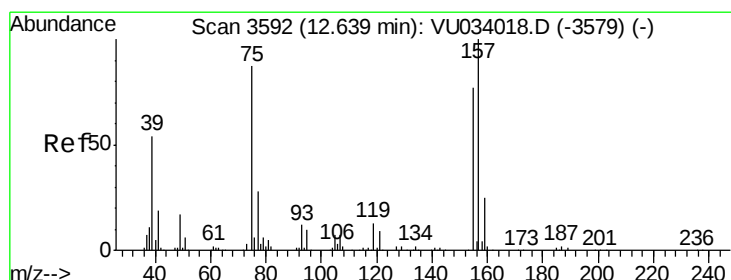
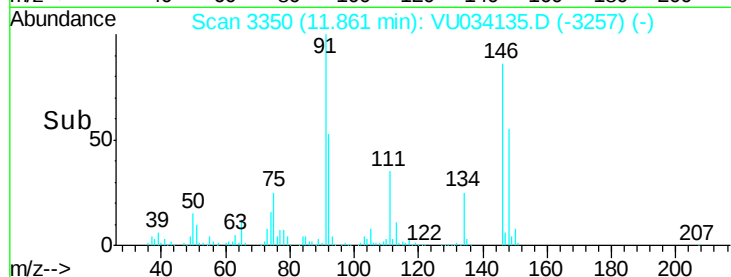
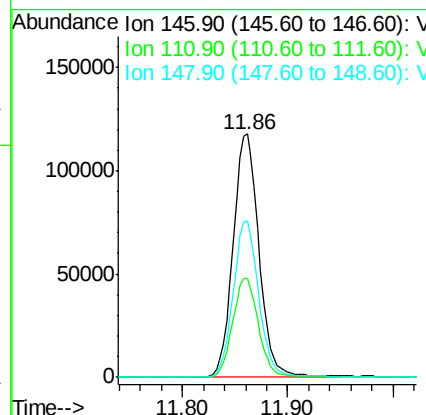
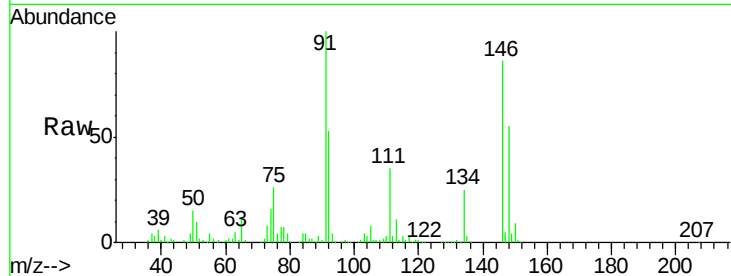
#91
 1,2-Dichlorobenzene
 Concen: 19.149 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200223		
111	40.7		20.4	61.2
148	63.2		32.3	96.8

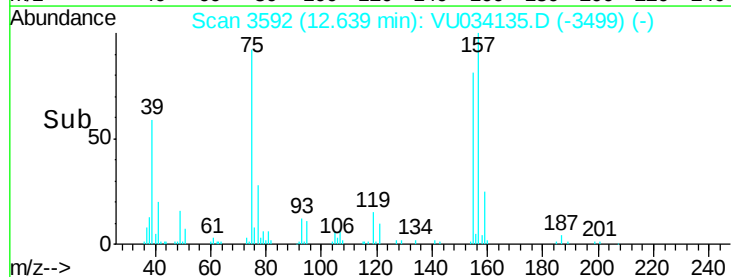
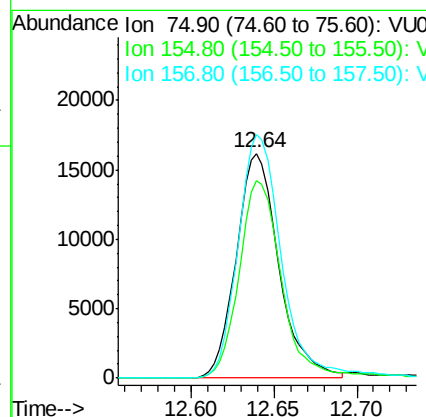
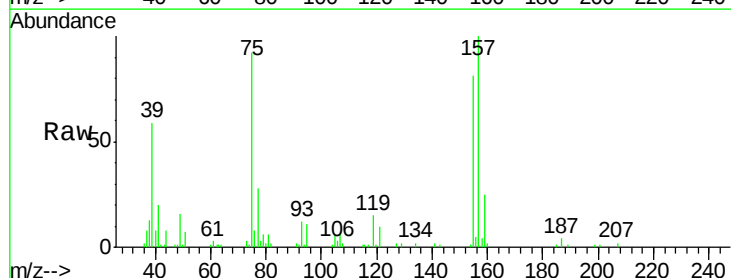
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.616 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29041		
155	86.7		43.5	130.7
157	111.7		56.9	170.6





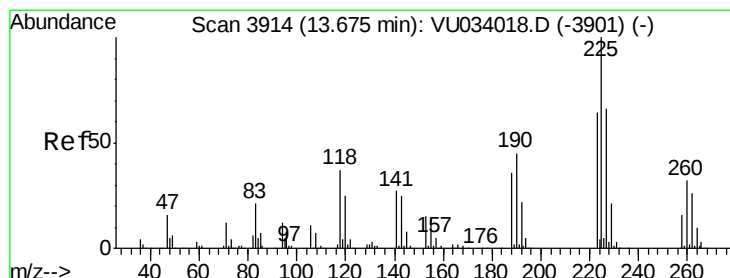
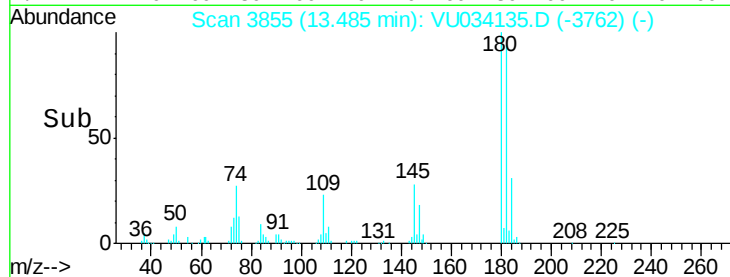
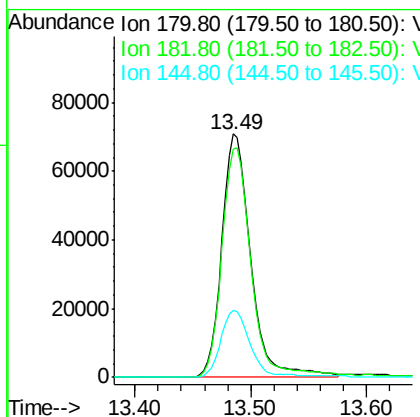
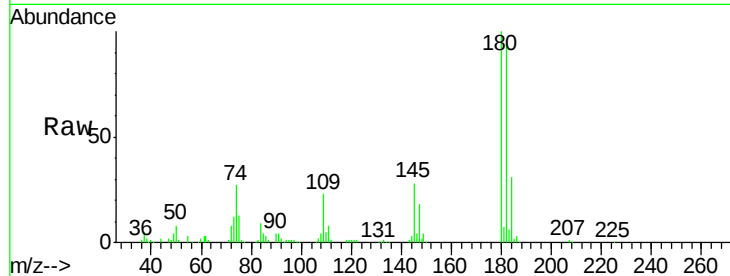
#93
 1,2,4-Trichlorobenzene
 Concen: 17.170 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122139		
182	96.1	47.4	142.2	
145	28.5	14.1	42.3	

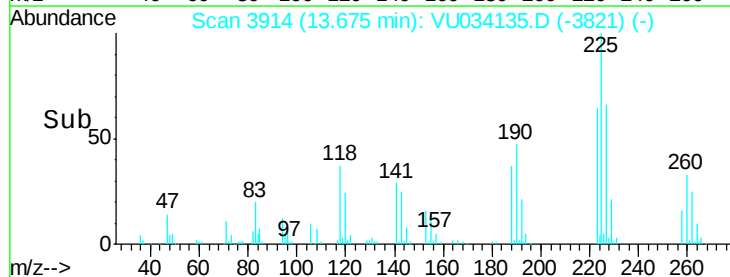
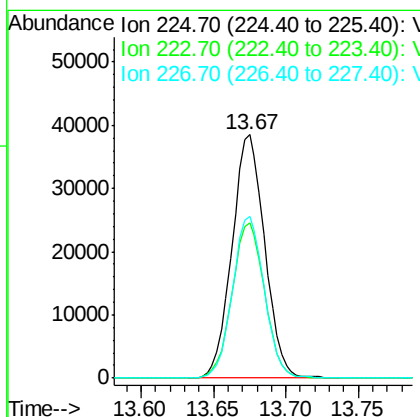
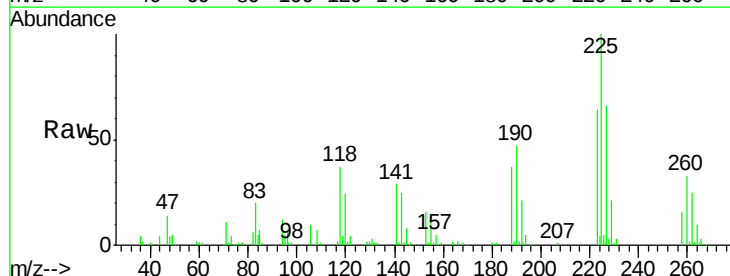
Manual Integrations
 APPROVED

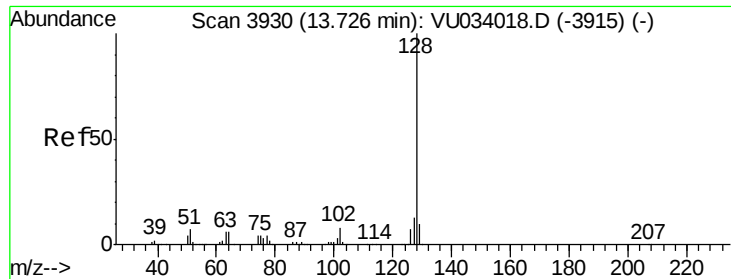
MMDadoda
 9/3/2019 11:32:20 AM



#94
 Hexachlorobutadiene
 Concen: 14.737 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60283		
223	63.4	31.8	95.3	
227	64.1	32.6	97.8	





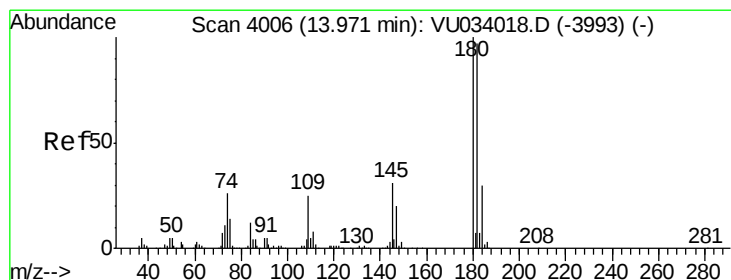
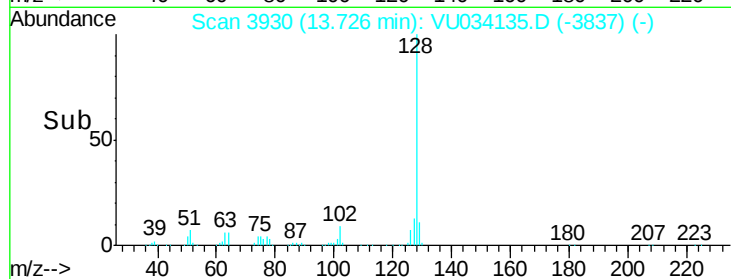
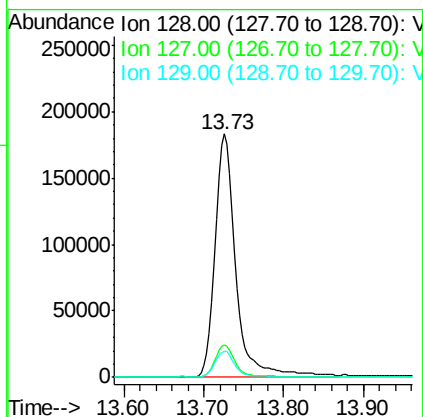
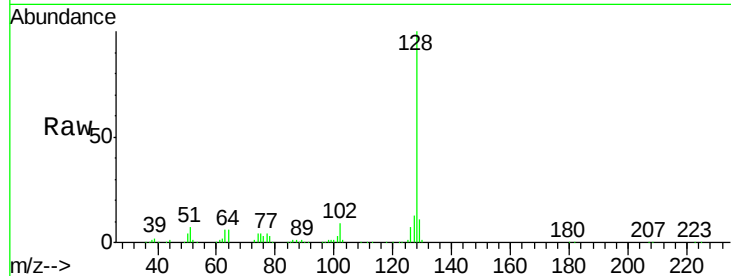
#95
Naphthalene
Concen: 16.939 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:32:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.300 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.2	144.6
145	31.1	15.5	46.5

