

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034136.D
 Acq On : 31 Aug 2019 21:30
 Operator : JC/SP
 Sample : VU0902WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:32:24 AM

Quant Time: Sep 01 05:11:23 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	406669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	652150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	623802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	333811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	259673	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	4.86	113	218222	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	7.55	98	854612	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.29	95	313810	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85425	20.887	ug/l	100
3) Chloromethane	1.32	50	107941	18.442	ug/l	98
4) Vinyl Chloride	1.40	62	111260	20.439	ug/l	98
5) Bromomethane	1.62	94	63533	20.862	ug/l	98
6) Chloroethane	1.69	64	69227	20.802	ug/l	100
7) Trichlorofluoromethane	1.88	101	134205	21.278	ug/l	98
8) Diethyl Ether	2.09	74	58206	21.572	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	83199	20.822	ug/l	97
10) Methyl Iodide	2.40	142	61729	10.890	ug/l	97
11) Tert butyl alcohol	2.81	59	118509	98.623	ug/l	100
12) 1,1-Dichloroethene	2.27	96	86801	21.321	ug/l	99
13) Acrolein	2.18	56	30981	61.288	ug/l	99
14) Allyl chloride	2.58	41	157399m	20.563	ug/l	
15) Acrylonitrile	2.92	53	302698	109.777	ug/l	100
16) Acetone	2.31	43	252318	94.900	ug/l	99
17) Carbon Disulfide	2.47	76	244424	18.970	ug/l	100
18) Methyl Acetate	2.60	43	143625	20.904	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	295436	22.148	ug/l	100
20) Methylene Chloride	2.69	84	104720	20.805	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	93655	21.197	ug/l	97
22) Diisopropyl ether	3.55	45	311720	22.224	ug/l	97
23) Vinyl Acetate	3.50	43	1288303	106.923	ug/l	100
24) 1,1-Dichloroethane	3.43	63	181154	21.876	ug/l	100
25) 2-Butanone	4.24	43	394763	106.719	ug/l	97
26) 2,2-Dichloropropane	4.21	77	116853	17.342	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	107720	21.721	ug/l	97
28) Bromochloromethane	4.53	49	81579	19.996	ug/l	100
29) Tetrahydrofuran	4.61	42	256252	112.331	ug/l	99
30) Chloroform	4.65	83	175983	21.300	ug/l	98
31) Cyclohexane	4.97	56	156928	20.168	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	146658	21.673	ug/l	99
36) 1,1-Dichloropropene	5.12	75	125800	20.394	ug/l	100
37) Ethyl Acetate	4.36	43	144449	20.912	ug/l	100
38) Carbon Tetrachloride	5.11	117	123083	20.672	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	139322	19.163	ug/l	99
40) Benzene	5.37	78	391745	20.990	ug/l	100
41) Methacrylonitrile	4.52	41	77759	21.950	ug/l	98
42) 1,2-Dichloroethane	5.38	62	137262	21.299	ug/l	98
43) Isopropyl Acetate	5.53	43	220003	20.935	ug/l	99
44) Trichloroethene	6.17	130	107991	22.035	ug/l	96
45) 1,2-Dichloropropane	6.41	63	109305	21.276	ug/l	99
46) Dibromomethane	6.54	93	69560	21.016	ug/l	99
47) Bromodichloromethane	6.74	83	137384	21.215	ug/l	98
48) Methyl methacrylate	6.60	41	102961	20.304	ug/l	97
49) 1,4-Dioxane	6.59	88	44580	350.860	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	758880	104.565	ug/l	100
52) Toluene	7.62	92	249356	21.689	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	140103	19.498	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	158636	20.208	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	102573	21.092	ug/l	100
56) Ethyl methacrylate	8.00	69	148551	19.030	ug/l	98
57) 1,3-Dichloropropane	8.22	76	174400	21.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	222668	82.764	ug/l	99
59) 2-Hexanone	8.34	43	574264	104.816	ug/l	99
60) Dibromochloromethane	8.46	129	108683	20.820	ug/l	99
61) 1,2-Dibromoethane	8.57	107	106840	20.856	ug/l	98
64) Tetrachloroethene	8.21	164	97574	23.292	ug/l	98
65) Chlorobenzene	9.10	112	271985	21.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95367	20.487	ug/l	99
67) Ethyl Benzene	9.23	91	462592	21.258	ug/l	99
68) m/p-Xylenes	9.36	106	354256	42.814	ug/l	99
69) o-Xylene	9.76	106	168805	21.265	ug/l	100
70) Styrene	9.77	104	295807	21.733	ug/l	99
71) Bromoform	9.94	173	80392	19.878	ug/l #	97
73) Isopropylbenzene	10.15	105	457577	20.408	ug/l	100
74) N-amyl acetate	10.00	43	190097	20.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	172225	20.068	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	148318m	19.714	ug/l	
77) Bromobenzene	10.43	156	122996	20.392	ug/l	98
78) n-propylbenzene	10.57	91	534892	20.484	ug/l	100
79) 2-Chlorotoluene	10.64	91	328346	20.964	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	399747	21.035	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	38119m	17.061	ug/l	
82) 4-Chlorotoluene	10.75	91	376711	20.913	ug/l	99
83) tert-Butylbenzene	11.08	119	366915	19.613	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	398819	21.134	ug/l	100
85) sec-Butylbenzene	11.31	105	451118	20.119	ug/l	100
86) p-Isopropyltoluene	11.46	119	414627	20.446	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	223999	20.978	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	225042	20.839	ug/l	98
89) n-Butylbenzene	11.87	91	358966	20.077	ug/l	99
90) Hexachloroethane	12.12	117	58900	16.799	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	220348	21.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33883	19.818	ug/l	99

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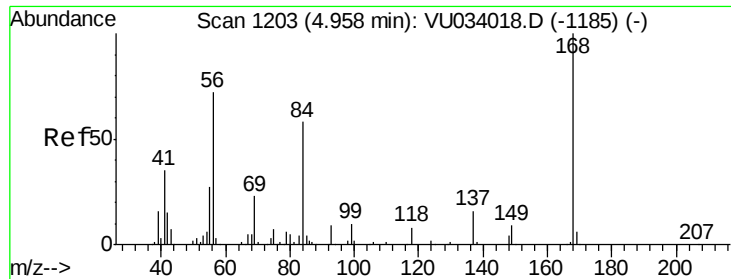
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	139825	19.904	ug/l	99
94) Hexachlorobutadiene	13.67	225	67769	16.936	ug/l	99
95) Naphthalene	13.73	128	406679	20.609	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	145539	22.211	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion:168 Resp: 406669

Ion Ratio Lower Upper

168 100

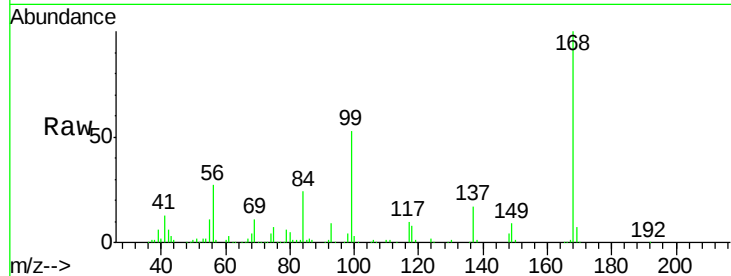
99 52.7 42.3 63.5

Manual Integrations

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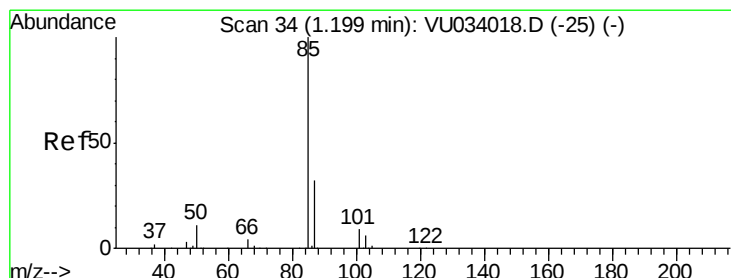
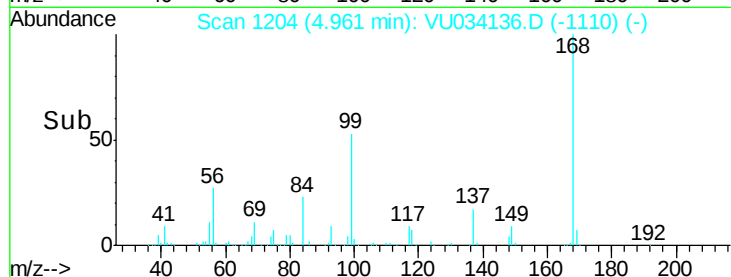
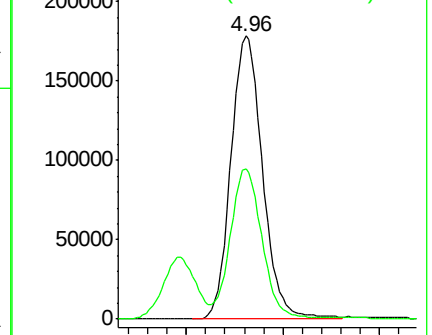
MMDadoda

9/3/2019 11:32:24 AM



Abundance Ion 167.90 (167.60 to 168.60): VU034136.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034136.D (-1185) (-)



#2

Dichlorodifluoromethane

Concen: 20.887 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034136.D

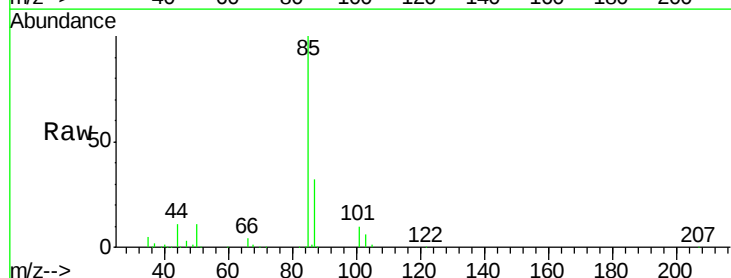
Acq: 31 Aug 2019 21:30

Tgt Ion: 85 Resp: 85425

Ion Ratio Lower Upper

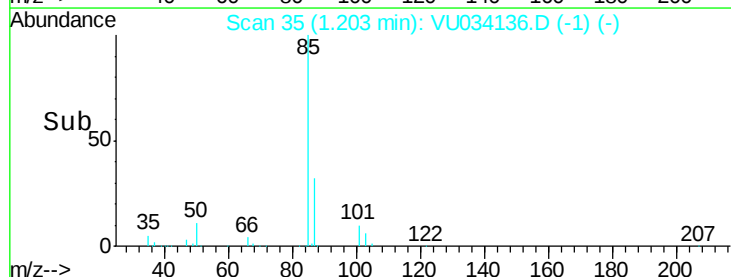
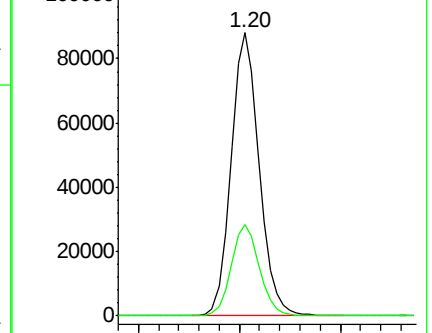
85 100

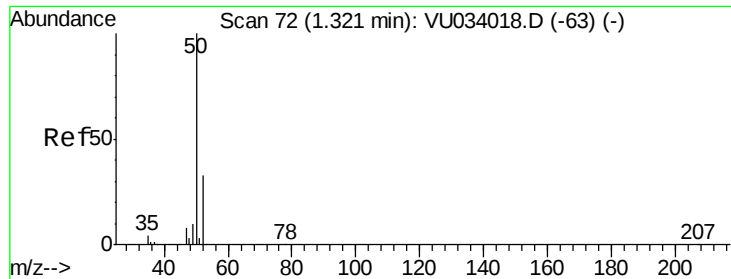
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034136.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034136.D (-1) (-)





#3

Chloromethane

Concen: 18.442 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 50 Resp: 107941

Ion Ratio Lower Upper

50 100

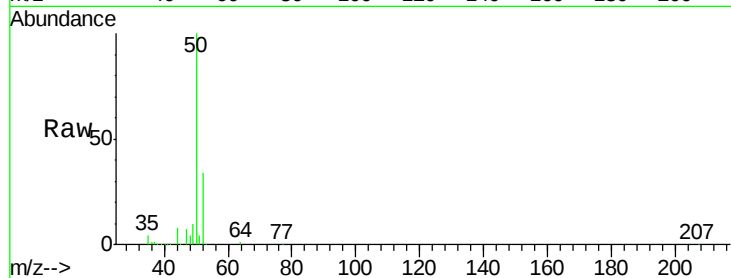
52 33.8 26.2 39.4

Manual Integrations

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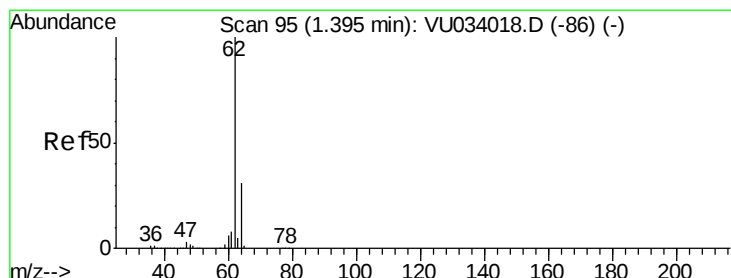
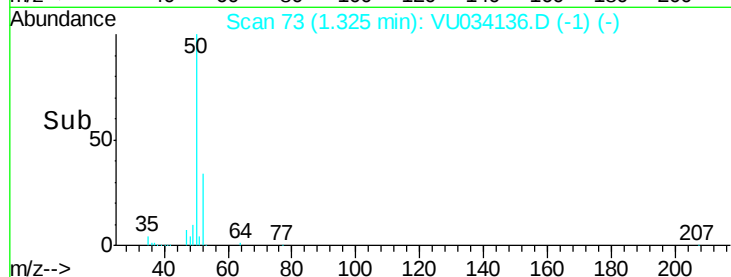
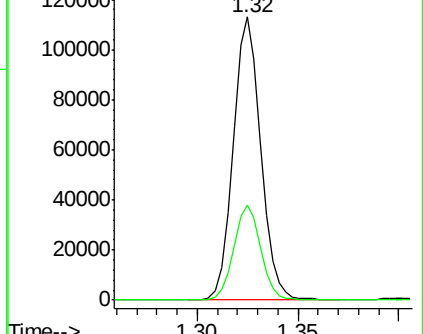
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.439 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034136.D

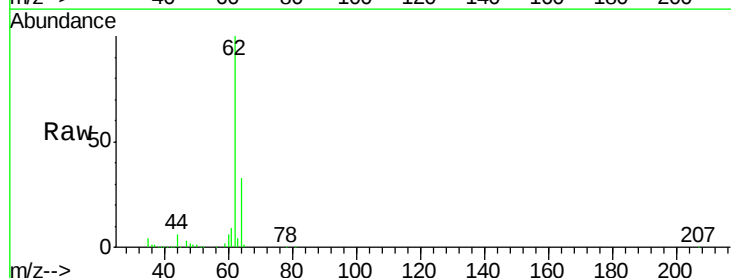
Acq: 31 Aug 2019 21:30

Tgt Ion: 62 Resp: 111260

Ion Ratio Lower Upper

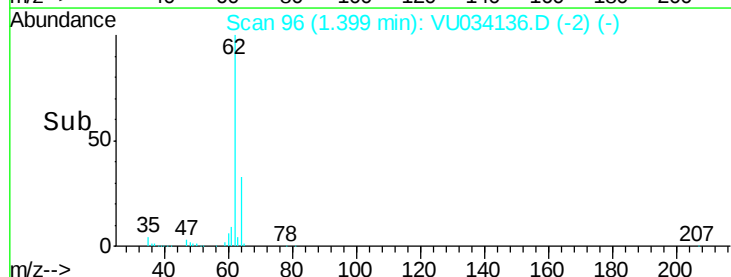
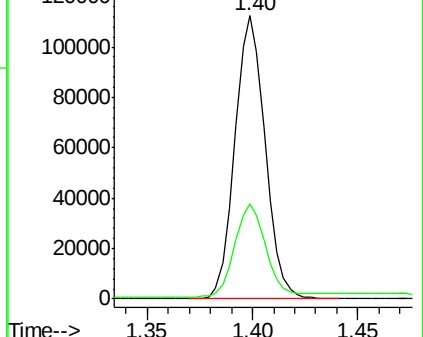
62 100

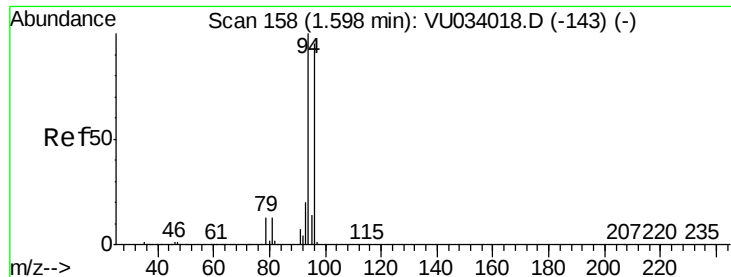
64 32.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.862 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 94 Resp: 63533

Ion Ratio Lower Upper

94 100

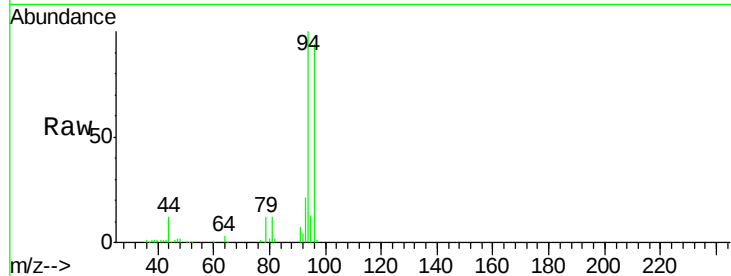
96 93.9 76.3 114.5

Manual Integrations

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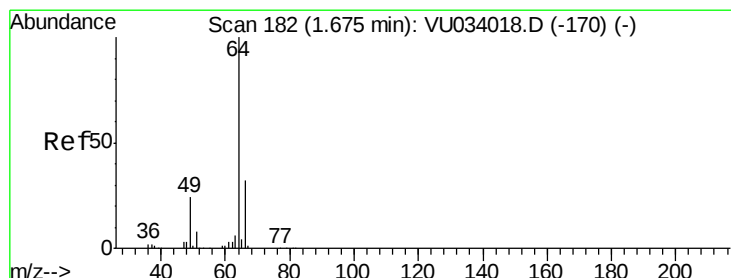
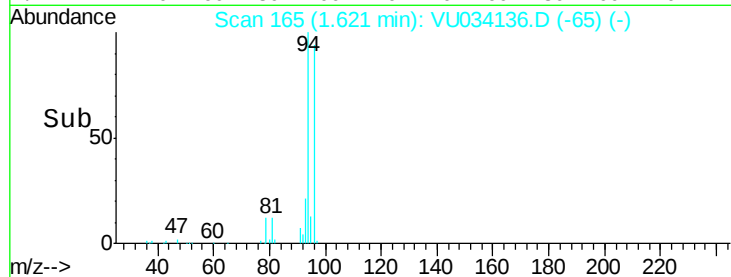
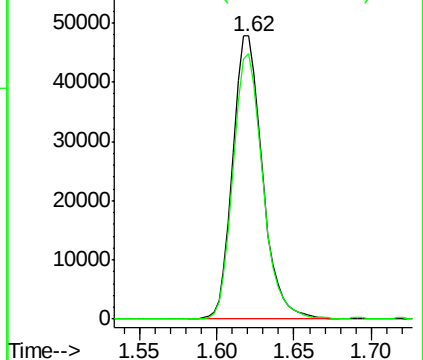
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.802 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034136.D

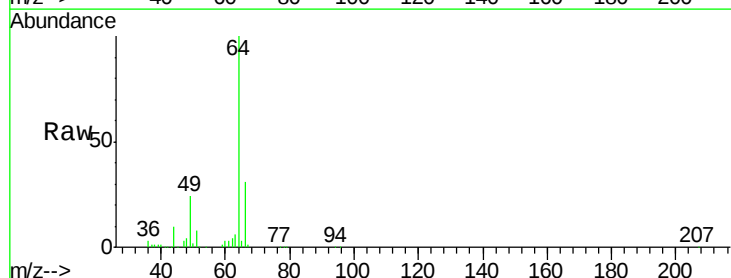
Acq: 31 Aug 2019 21:30

Tgt Ion: 64 Resp: 69227

Ion Ratio Lower Upper

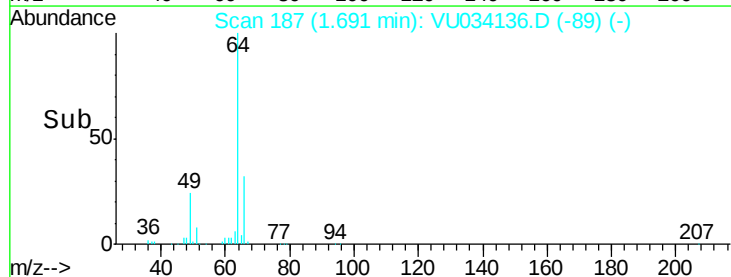
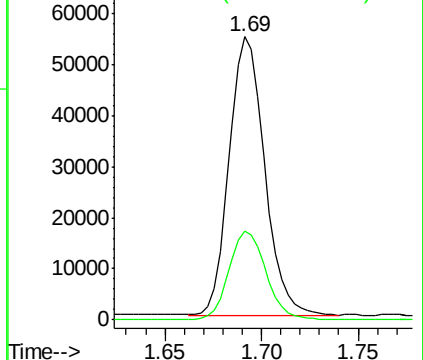
64 100

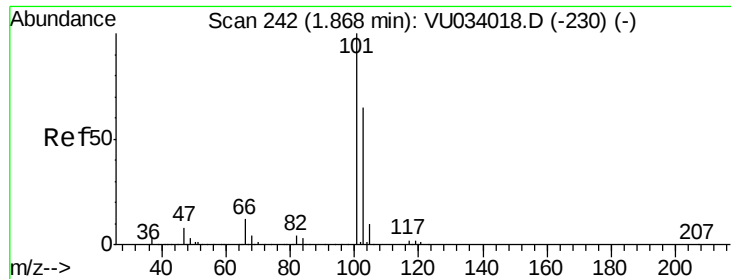
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

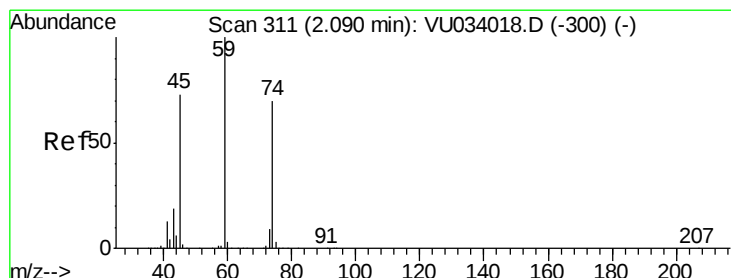
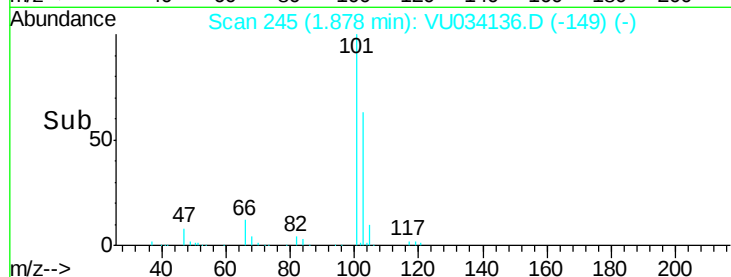
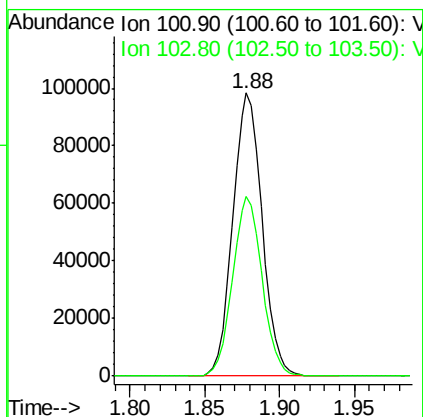
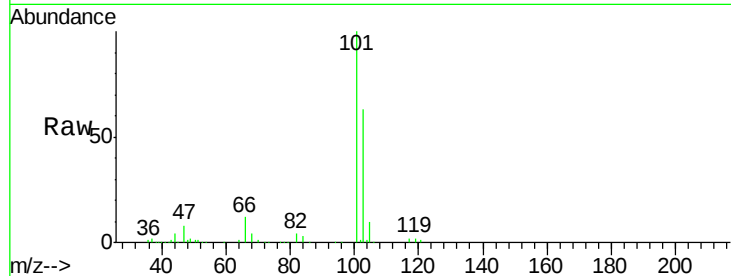
Trichlorofluoromethane
Concen: 21.278 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

Manual Integrations
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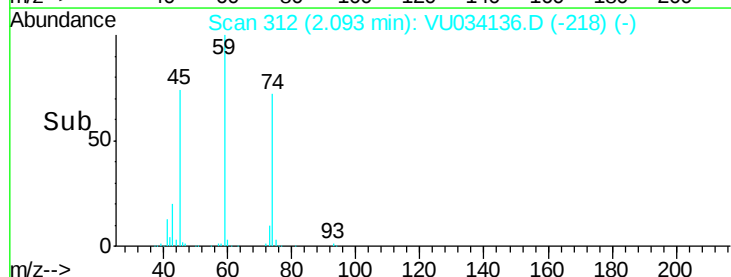
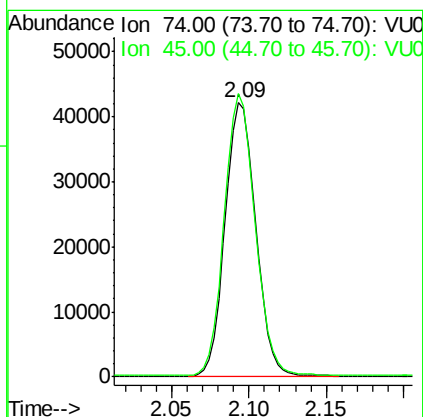
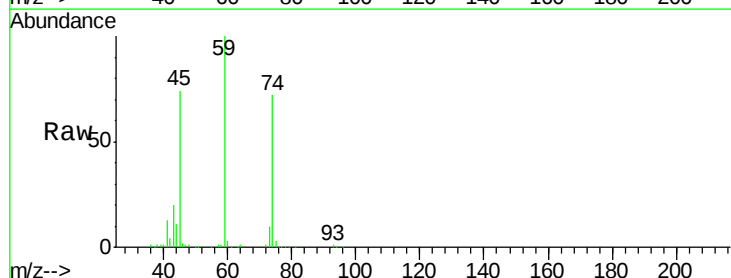
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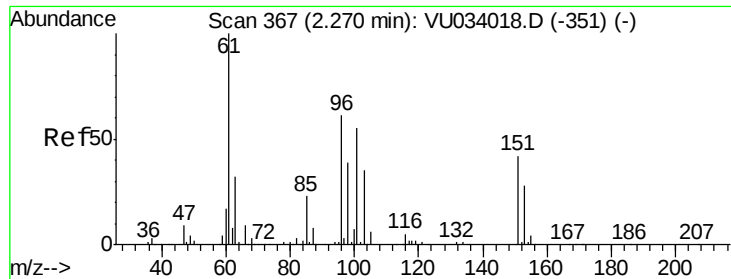


#8

Diethyl Ether
Concen: 21.572 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.822 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

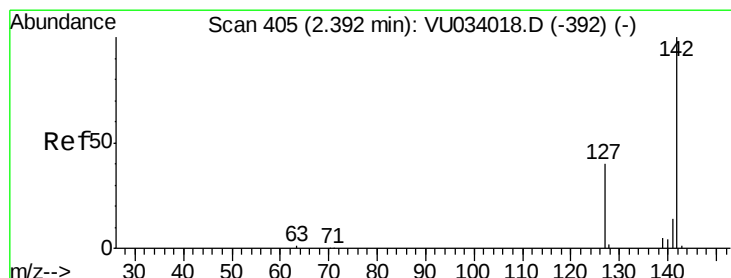
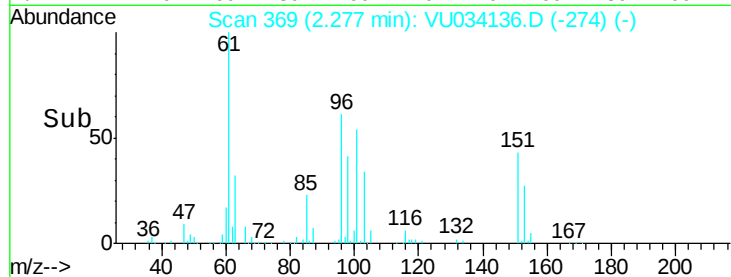
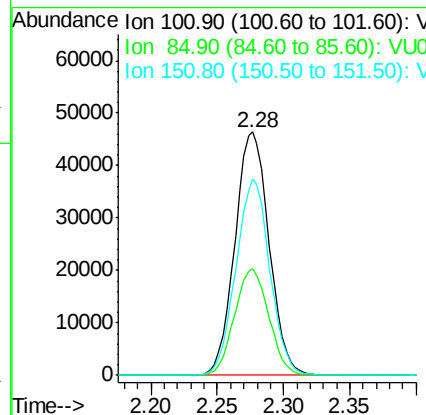
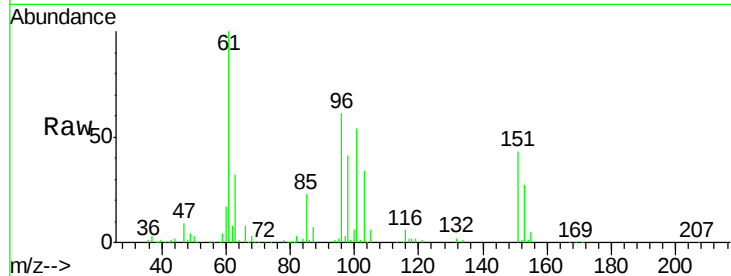
ClientSampleId :

VU0902WBSD01

Tot Ion:	101	Resp:	83199
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.2	51.2
151	79.8	61.4	92.2

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#10

Methyl Iodide

Concen: 10.890 ug/l

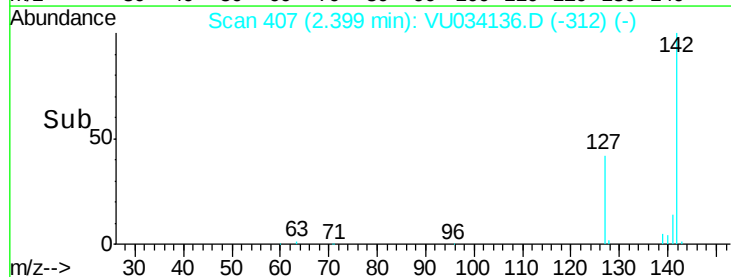
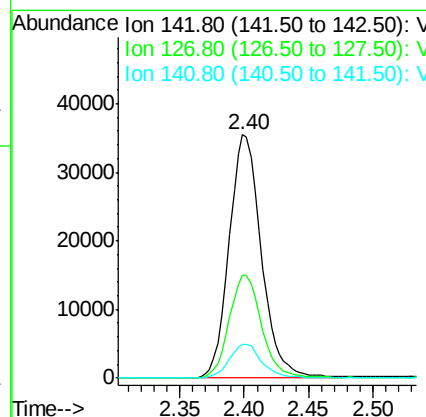
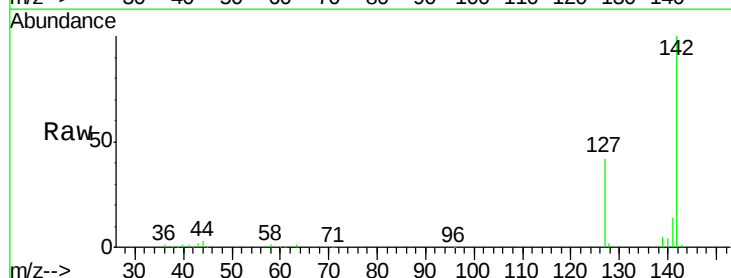
RT: 2.40 min Scan# 407

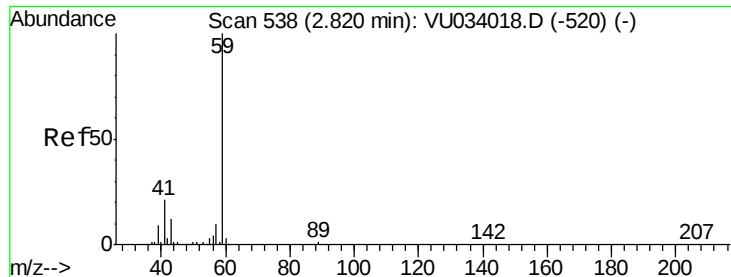
Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion:	142	Resp:	61729
Ion Ratio	Lower	Upper	
142	100		
127	42.9	32.6	48.8
141	13.8	11.3	16.9





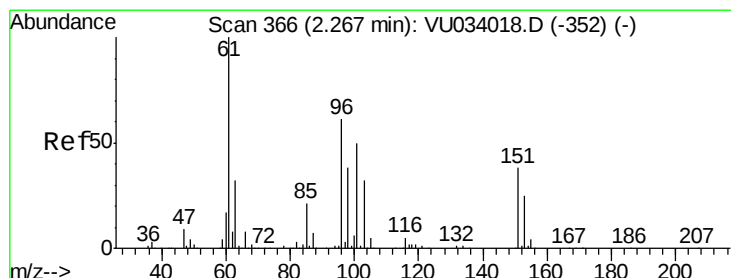
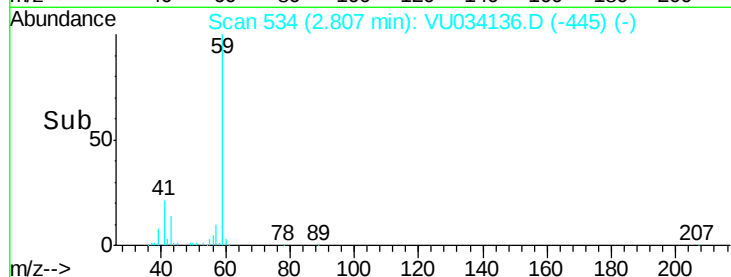
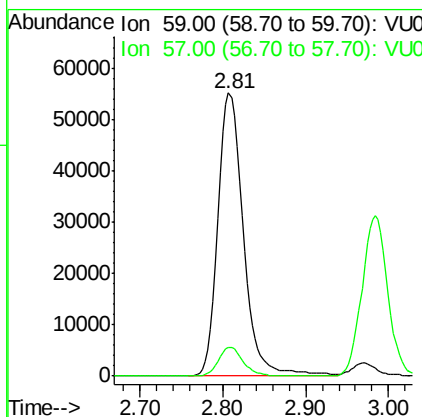
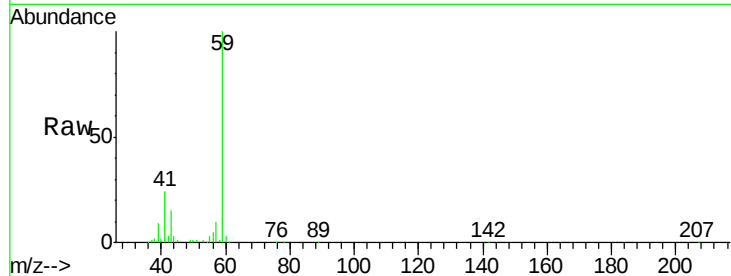
#11
Tert butyl alcohol
Concen: 98.623 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	118509		
57	9.9		8.0	12.0

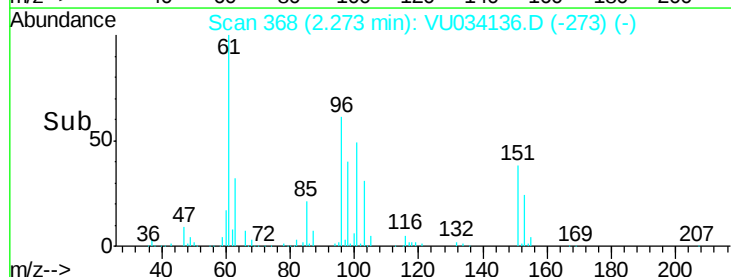
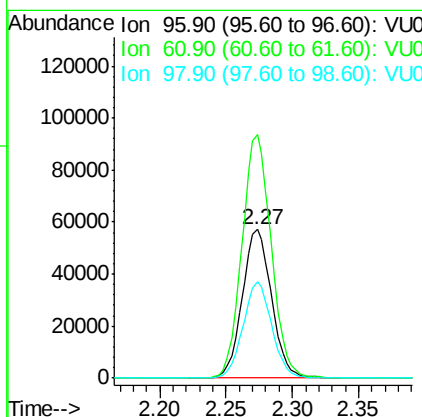
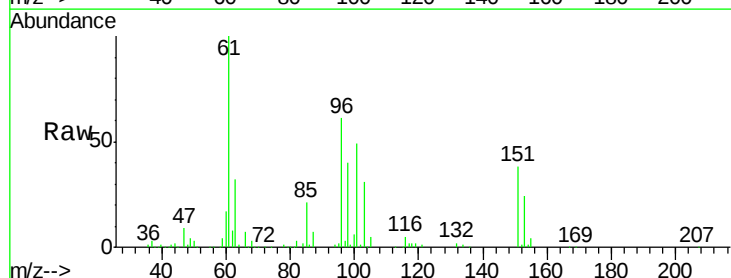
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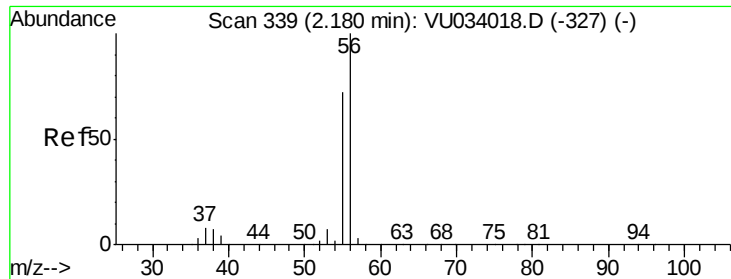
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.321 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86801		
61	164.4		131.3	196.9
98	65.4		50.3	75.5





#13

Acrolein

Concen: 61.288 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 56 Resp: 30981

Ion Ratio Lower Upper

56 100

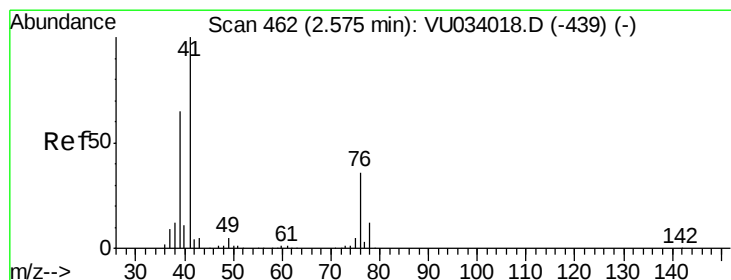
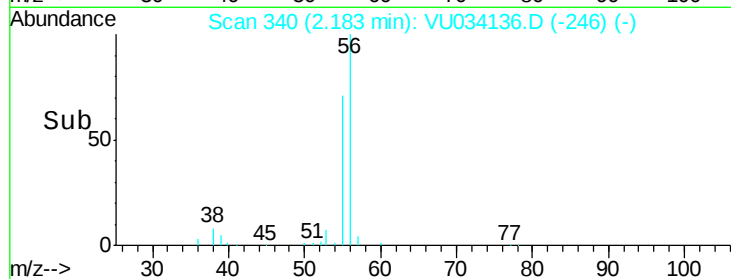
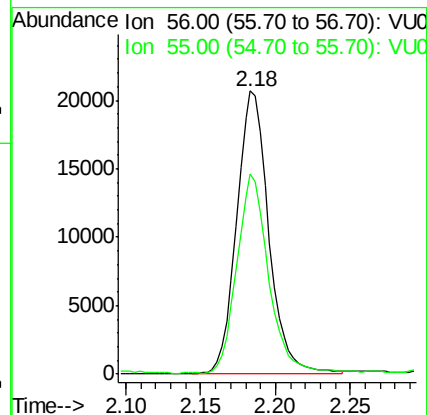
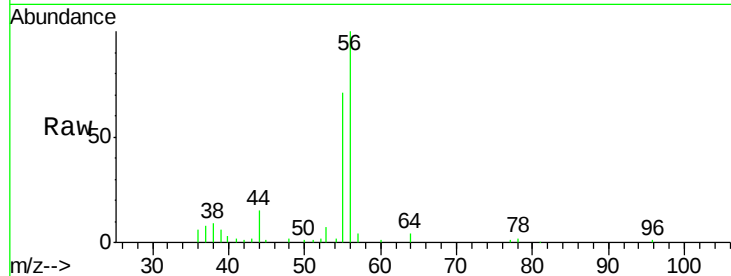
55 71.0 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.563 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

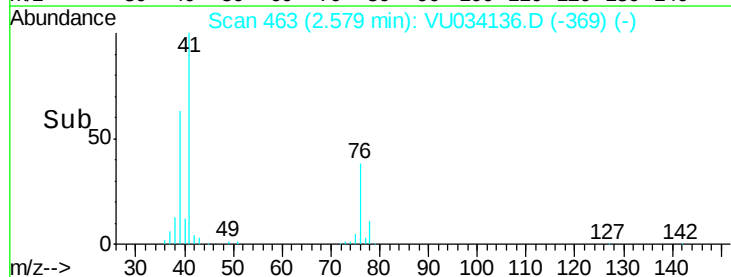
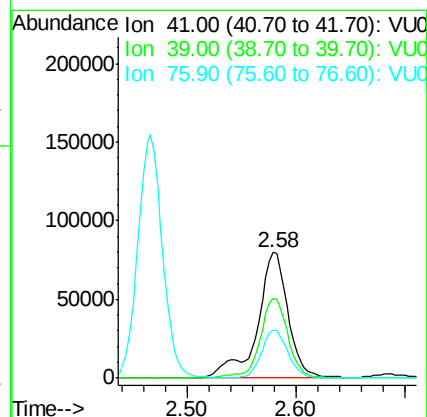
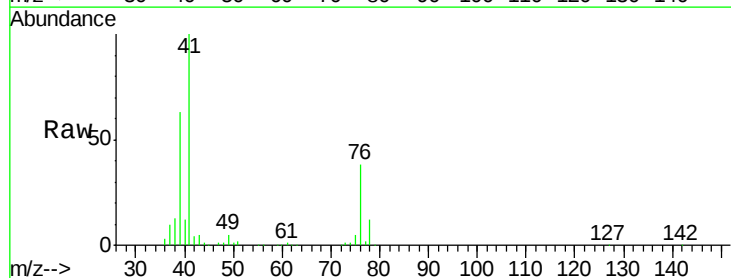
Tgt Ion: 41 Resp: 157399

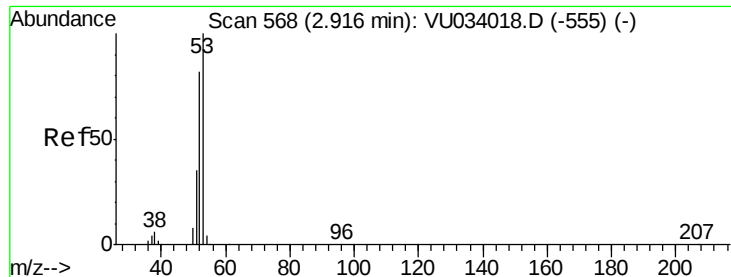
Ion Ratio Lower Upper

41 100

39 57.7 46.8 70.2

76 32.6 26.6 40.0





#15

Acrylonitrile

Concen: 109.777 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

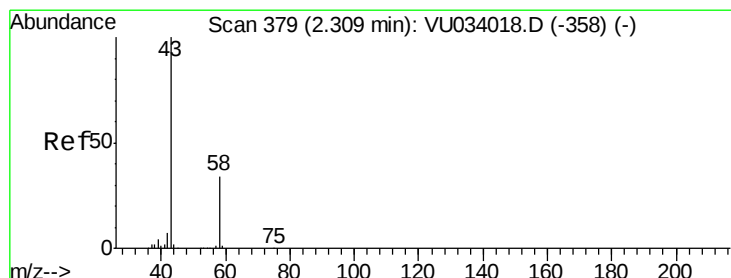
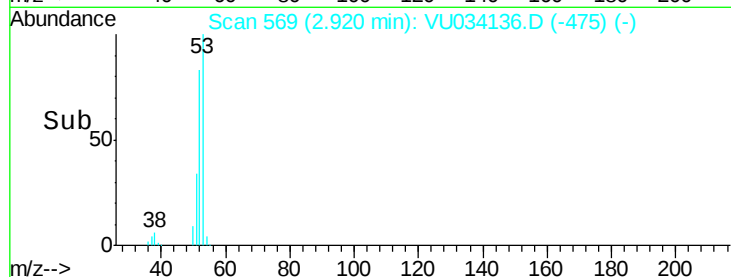
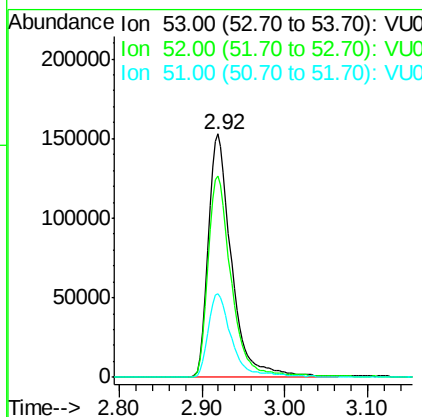
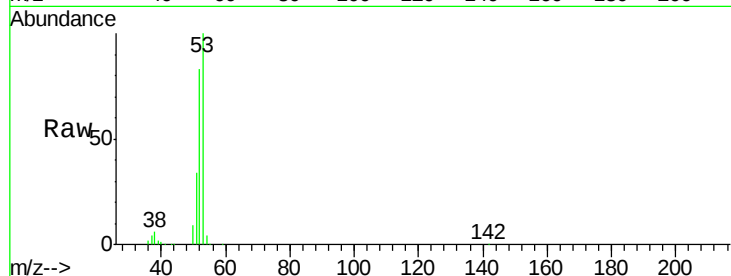
ClientSampleId :

VU0902WBSD01

Tot Ion:	53	Resp:	302698
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.7	98.5
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 94.900 ug/l

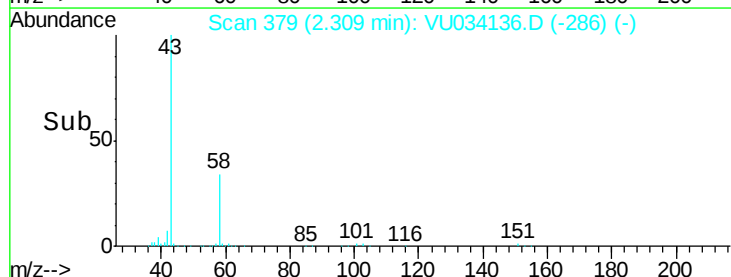
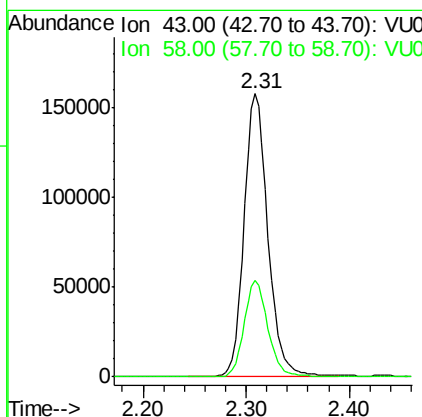
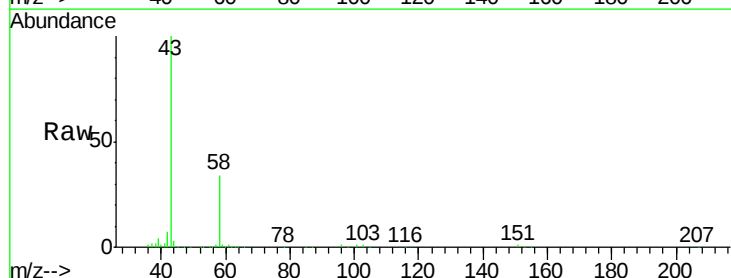
RT: 2.31 min Scan# 379

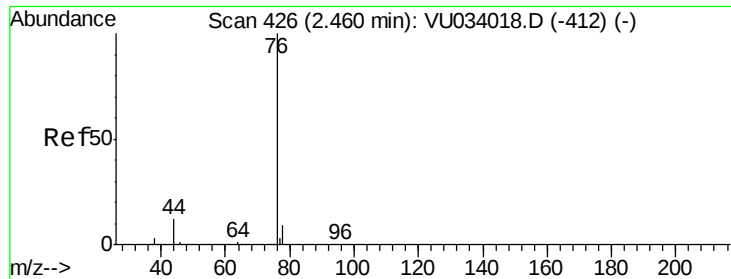
Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion:	43	Resp:	252318
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.8	40.2





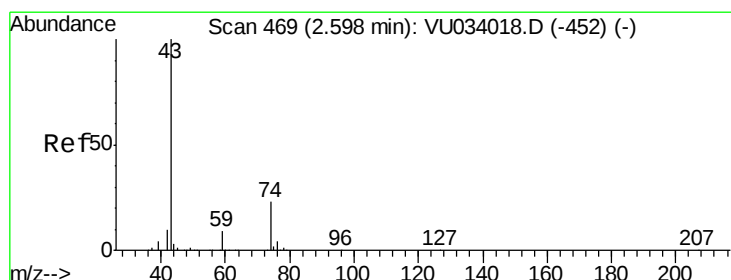
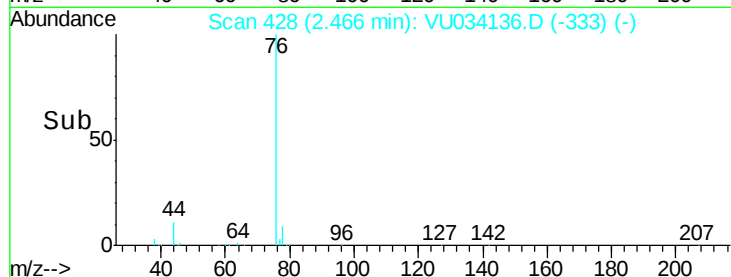
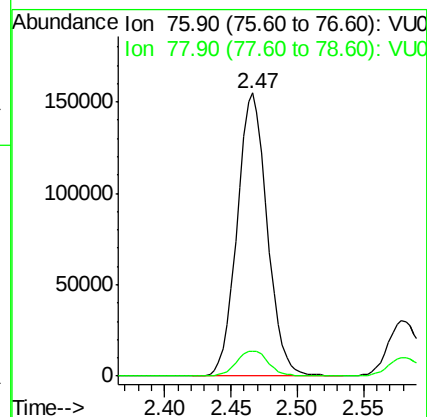
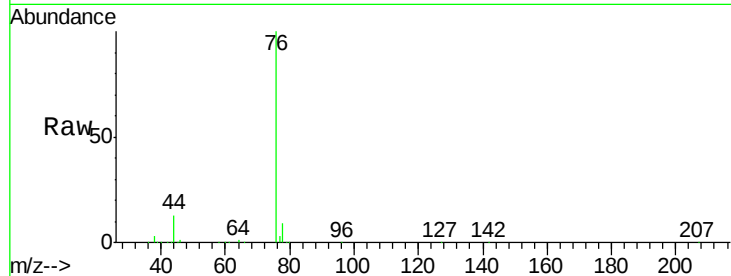
#17
Carbon Disulfide
Concen: 18.970 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

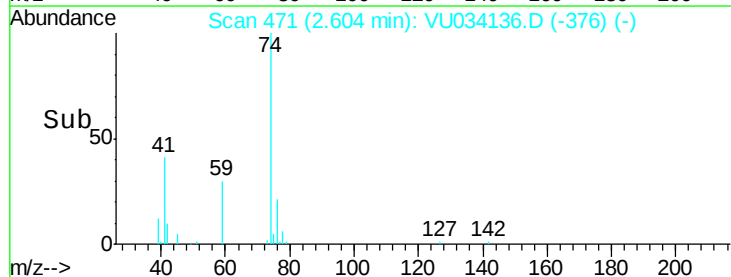
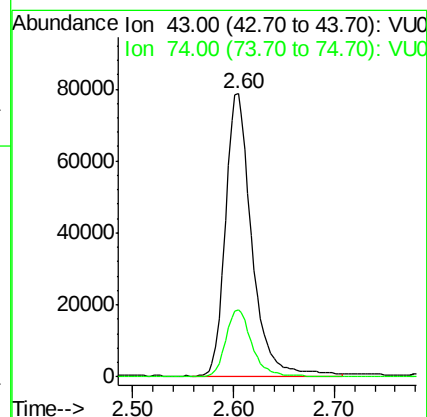
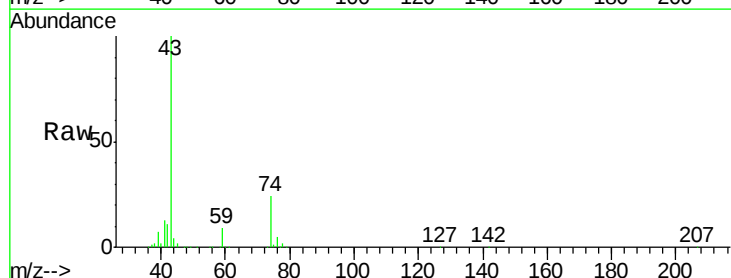
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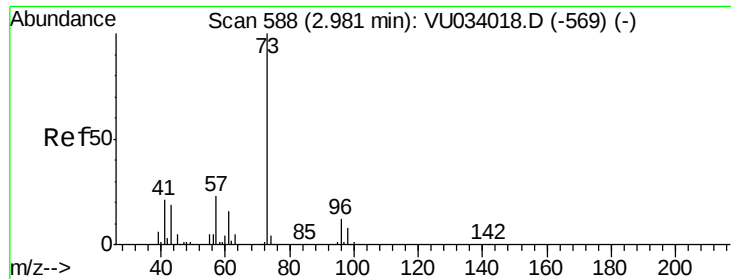
MMDadoda
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#18
Methyl Acetate
Concen: 20.904 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





#19

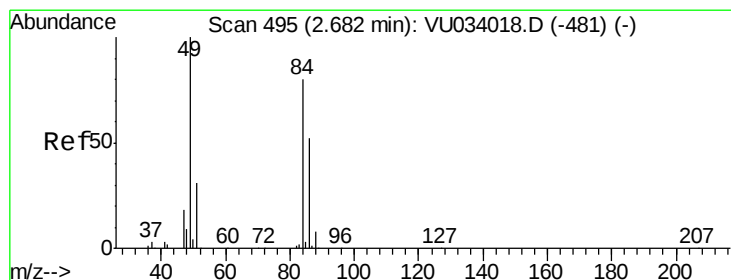
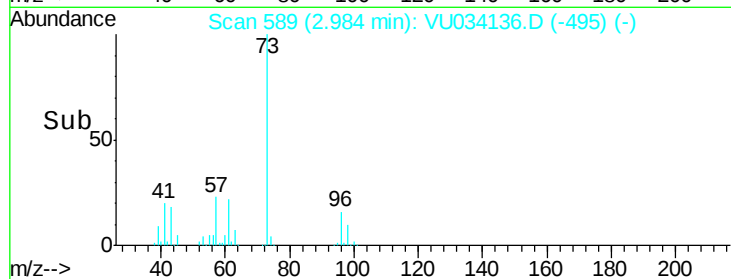
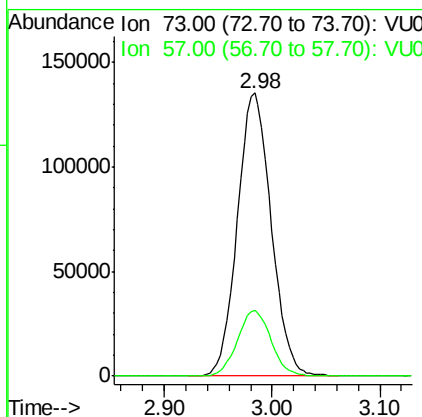
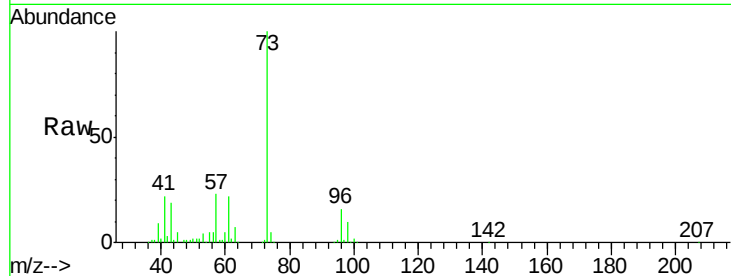
Methyl tert-butyl Ether
 Concen: 22.148 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

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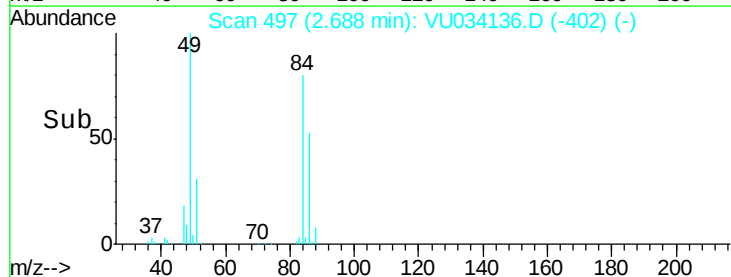
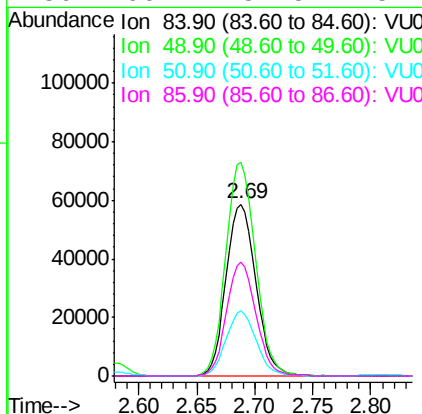
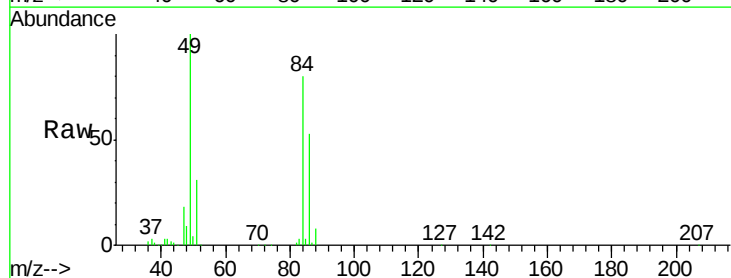
MMDadoda
 9/3/2019 11:32:24 AM

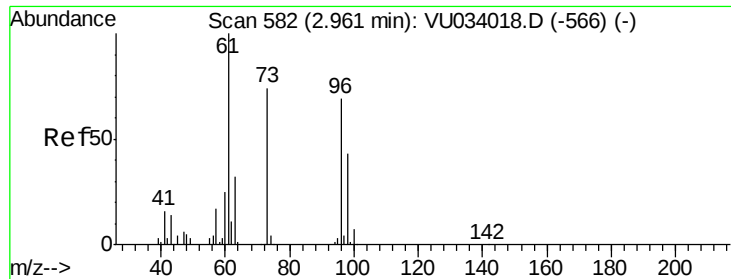


#20

Methylene Chloride
 Concen: 20.805 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.3	100.2	150.4
51	38.1	30.8	46.2
86	66.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 21.197 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 96 Resp: 93655

Ion Ratio Lower Upper

96 100

61 140.0 115.5 173.3

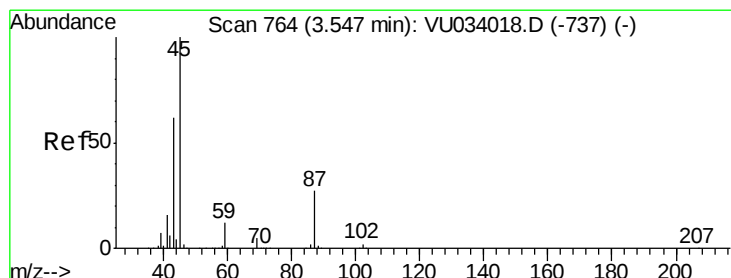
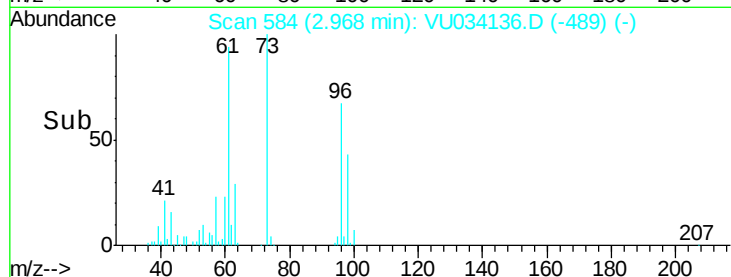
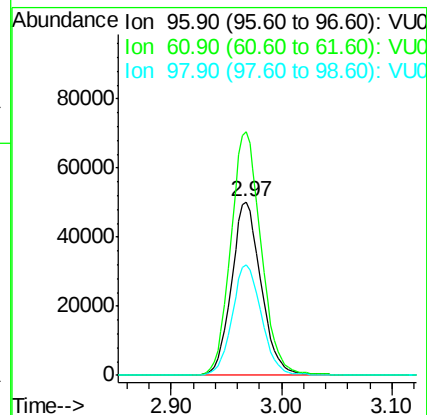
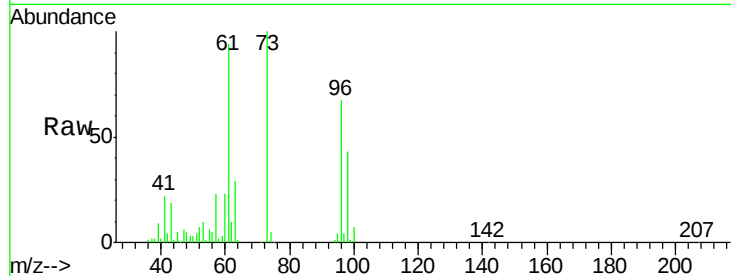
98 63.4 50.1 75.1

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#22

Diisopropyl ether

Concen: 22.224 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion: 45 Resp: 311720

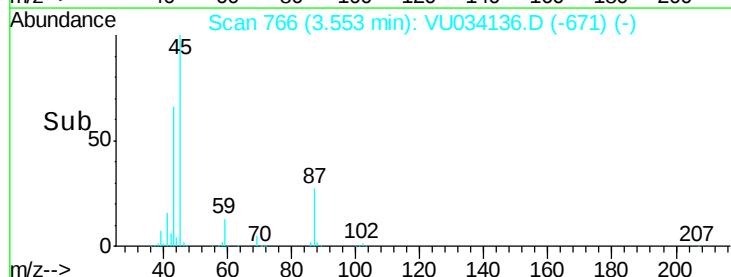
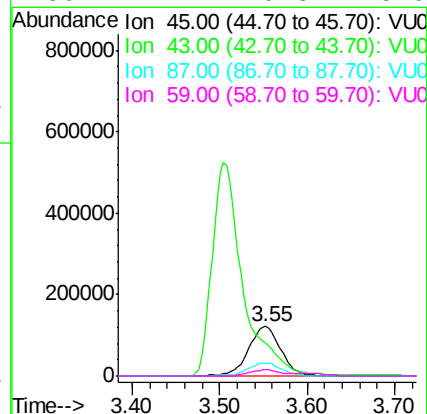
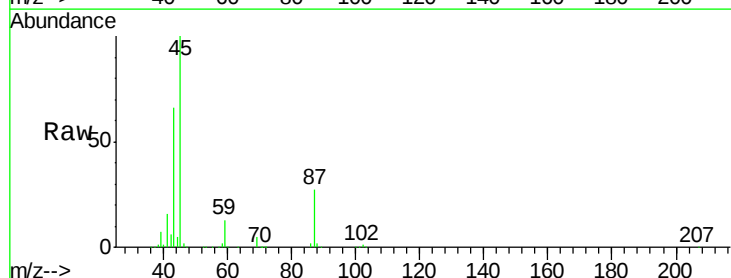
Ion Ratio Lower Upper

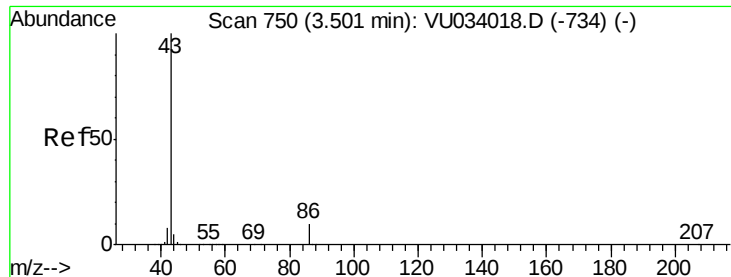
45 100

43 65.3 49.7 74.5

87 27.1 21.8 32.8

59 12.7 9.3 13.9





#23

Vinyl Acetate

Concen: 106.923 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 43 Resp: 1288303

Ion Ratio Lower Upper

43 100

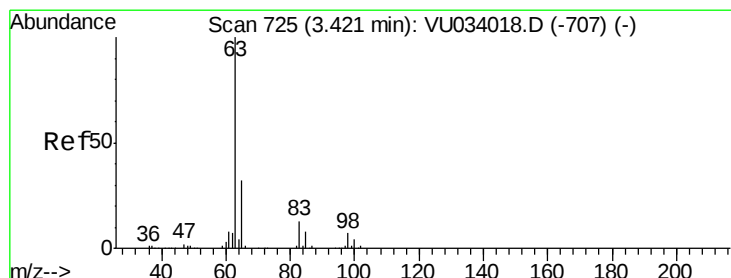
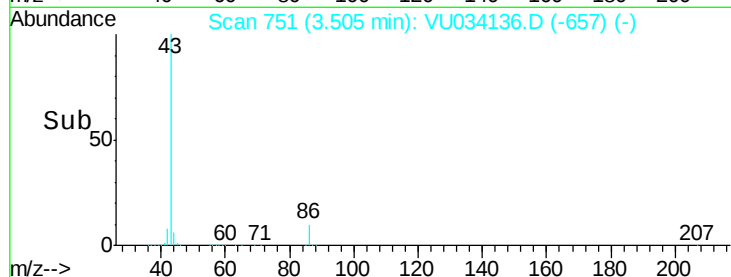
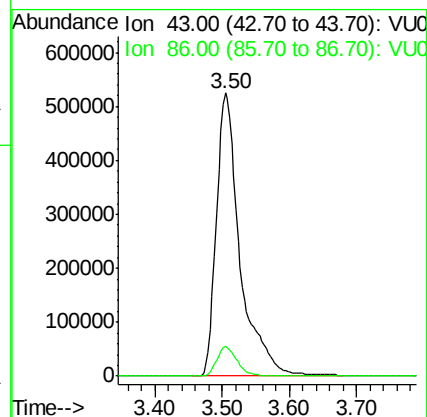
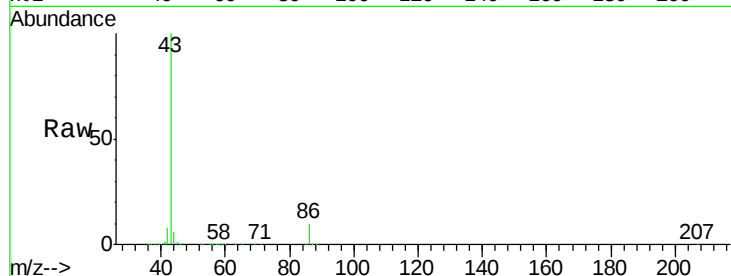
86 10.4 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.876 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

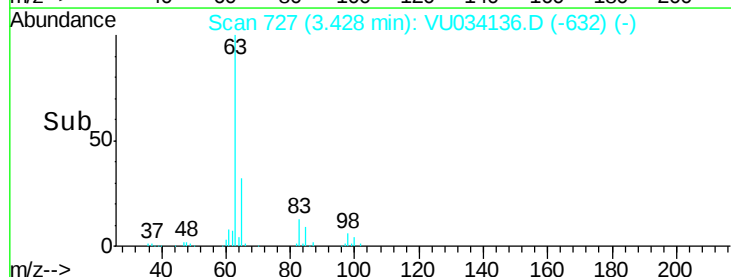
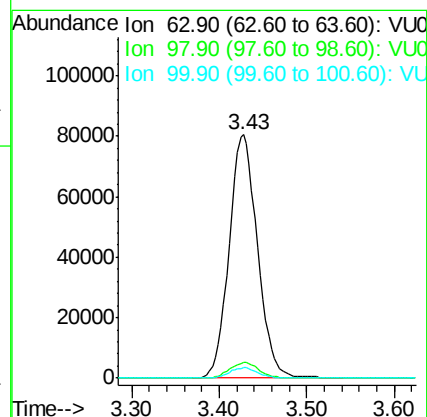
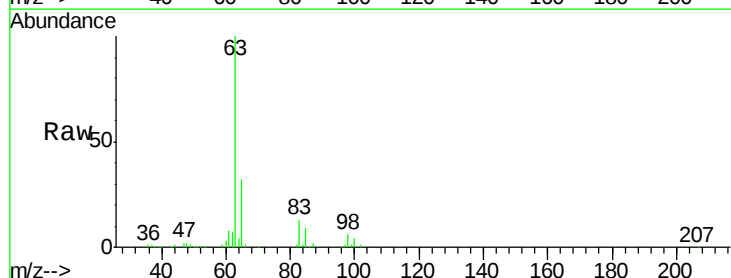
Tgt Ion: 63 Resp: 181154

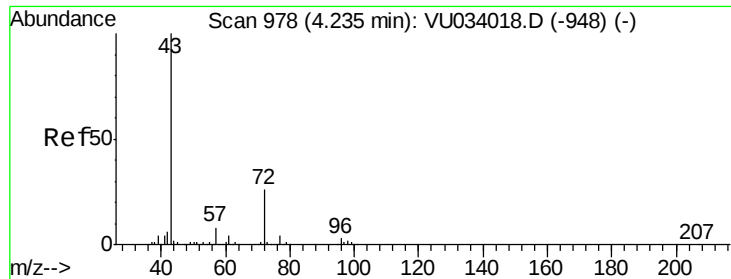
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 106.719 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampled :

VU0902WBSD01

Tot Ion: 43 Resp: 394763

Ion Ratio Lower Upper

43 100

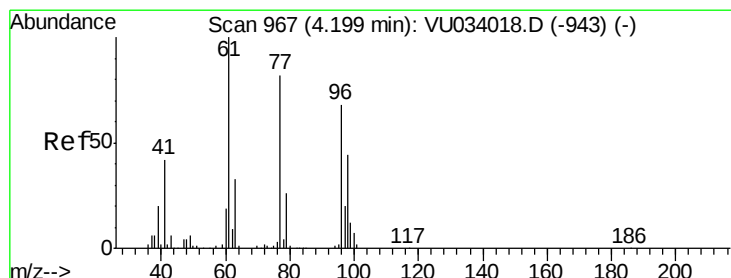
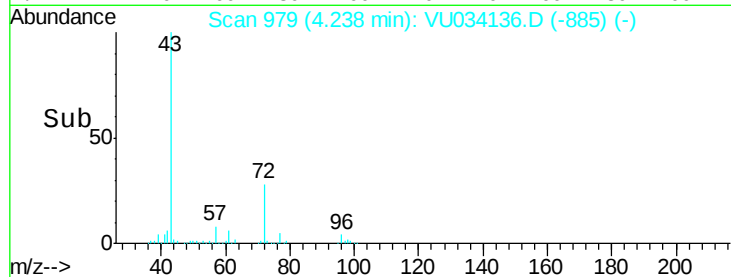
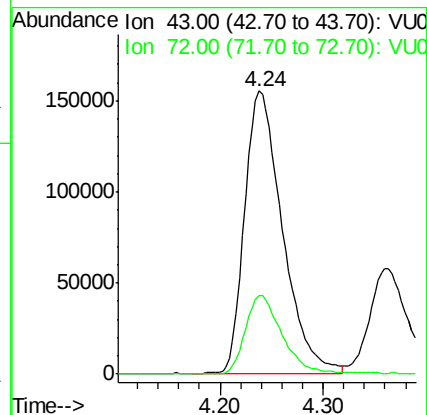
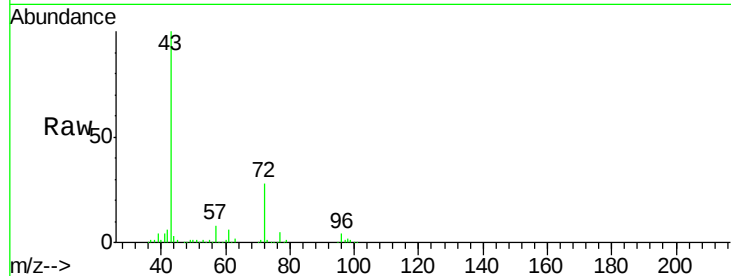
72 27.9 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 17.342 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU034136.D

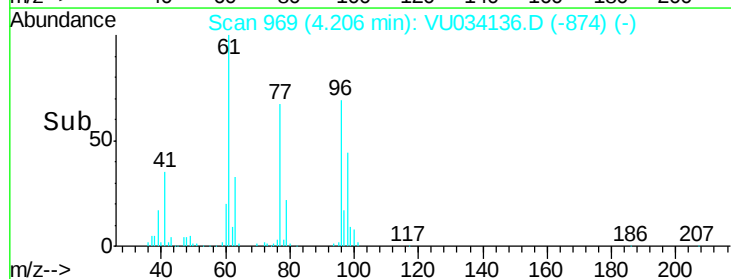
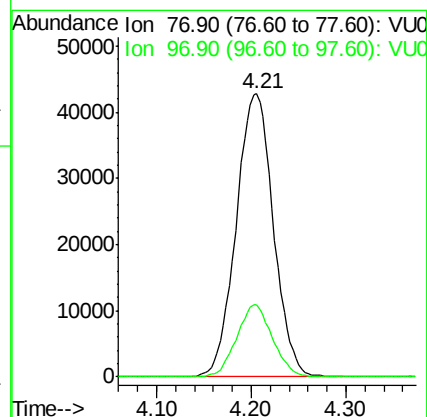
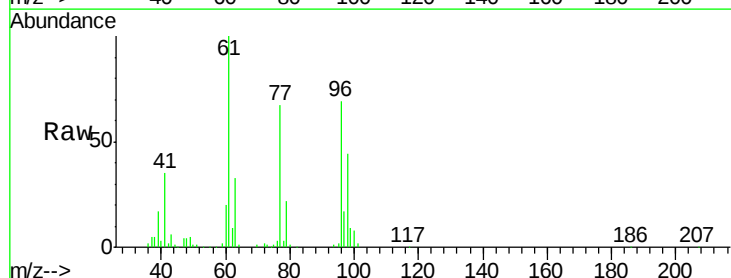
Acq: 31 Aug 2019 21:30

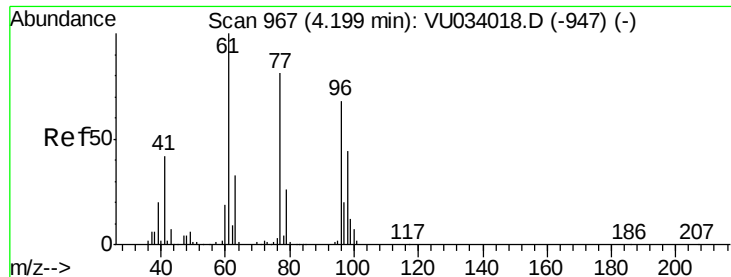
Tgt Ion: 77 Resp: 116853

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.7





#27

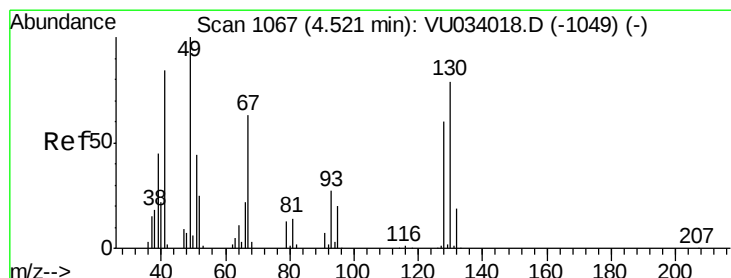
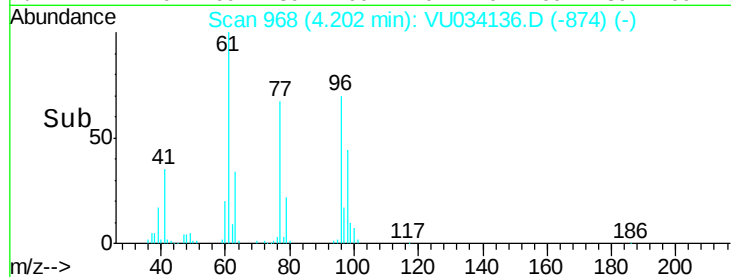
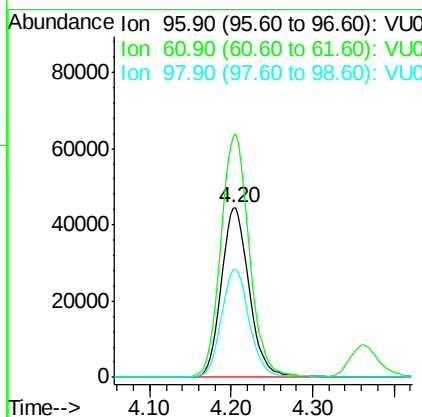
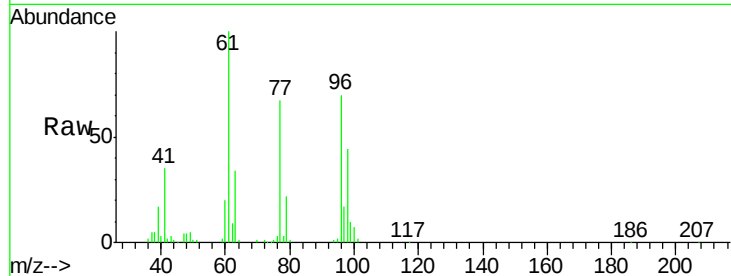
cis-1,2-Dichloroethene
Concen: 21.721 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.0	0.0	303.0	
98	63.6	0.0	129.2	

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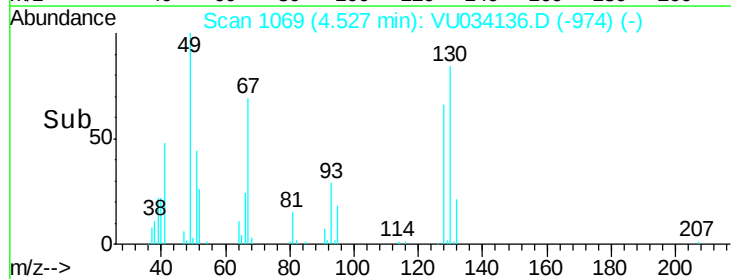
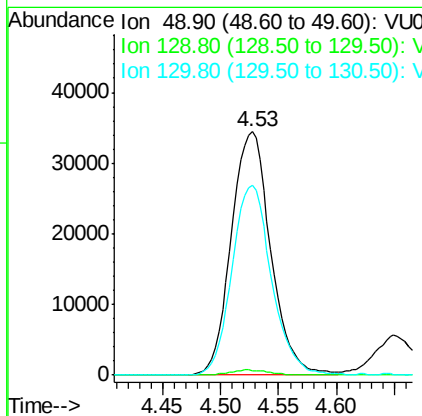
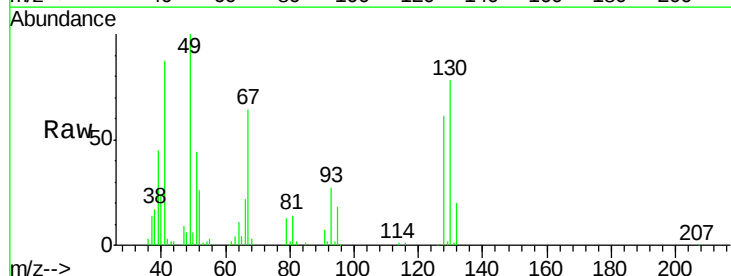
MMDadoda
9/3/2019 11:32:24 AM

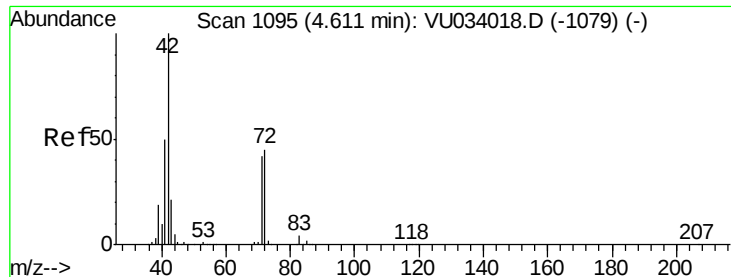


#28

Bromochloromethane
Concen: 19.996 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	78.3	62.8	94.2	





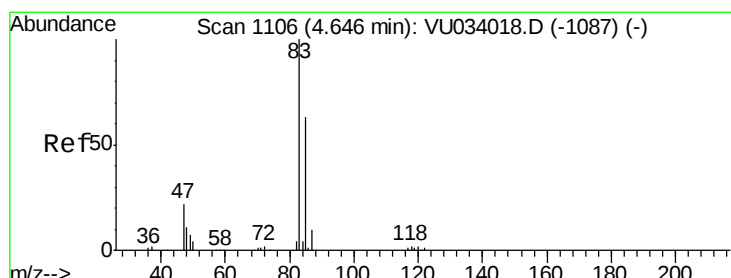
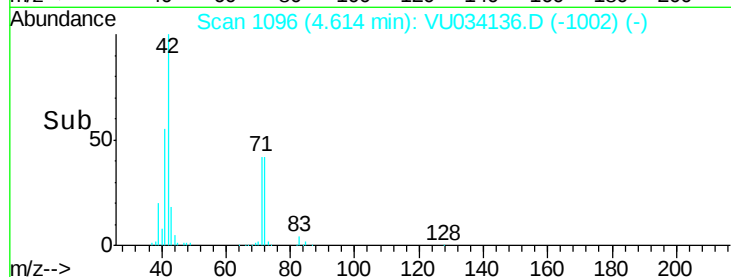
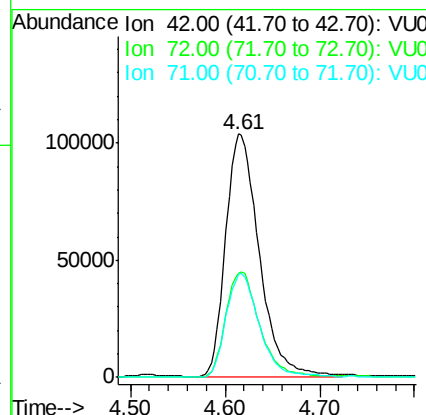
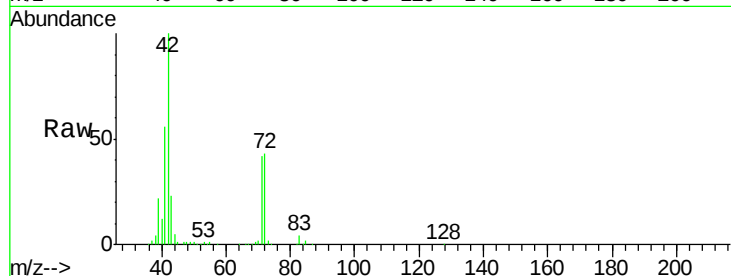
#29
Tetrahydrofuran
Concen: 112.331 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	256252		
72	43.3		35.8	53.6
71	42.6		34.0	51.0

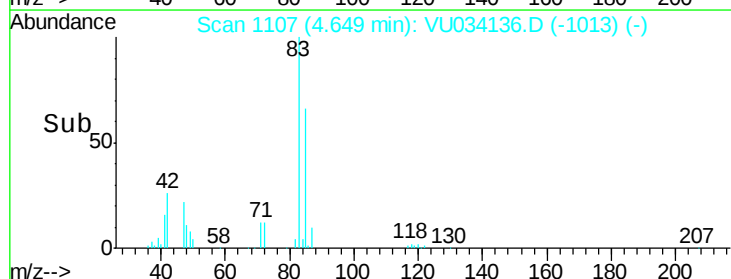
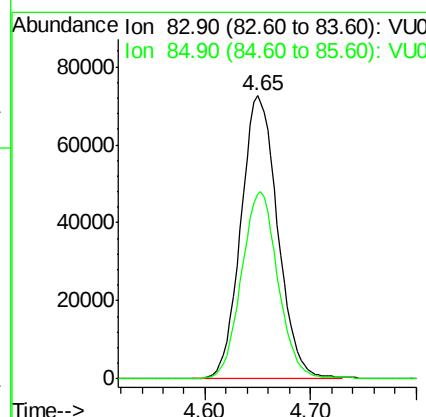
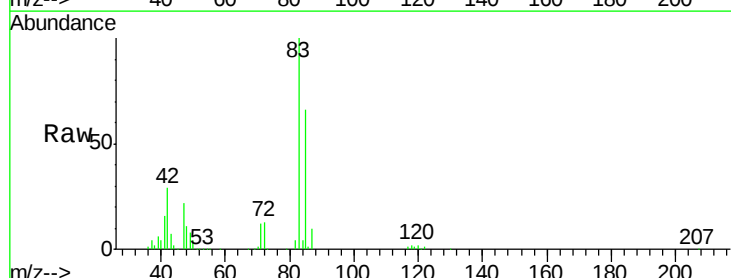
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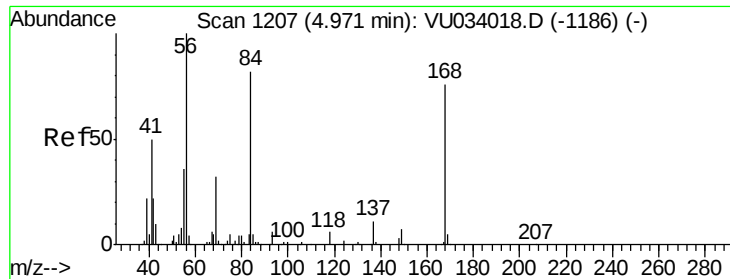
MMDadoda
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#30
Chloroform
Concen: 21.300 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	175983		
85	65.3		50.7	76.1





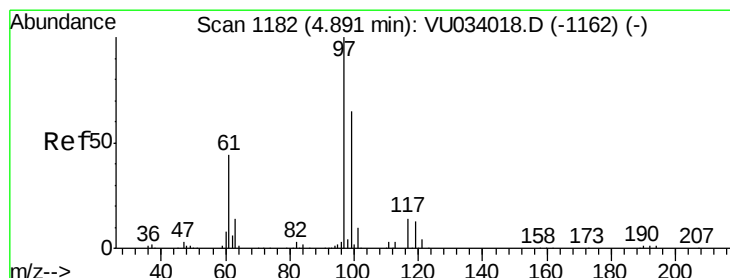
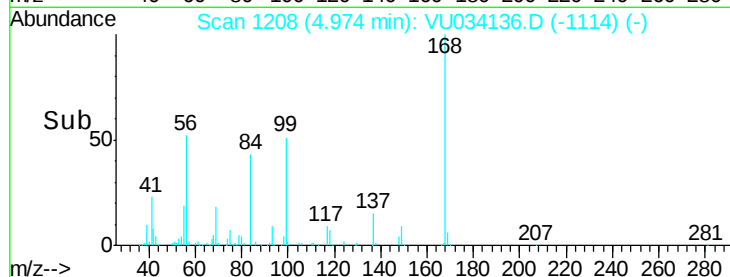
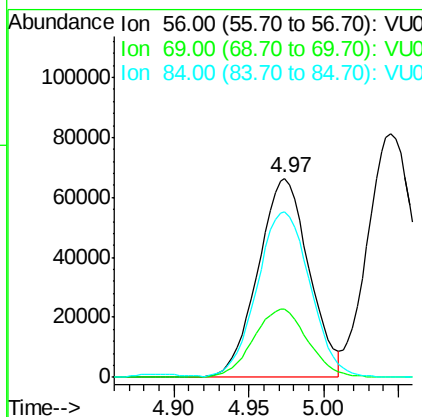
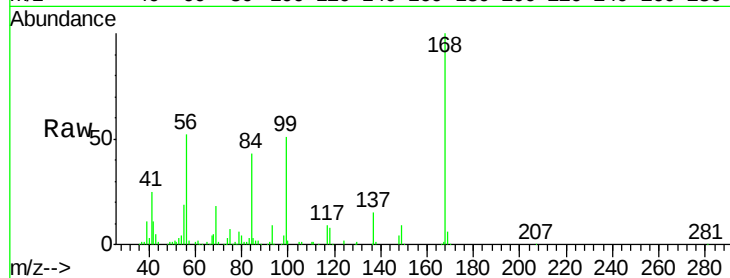
#31
Cyclohexane
Concen: 20.168 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.4	38.0
84	82.0	65.8	98.8

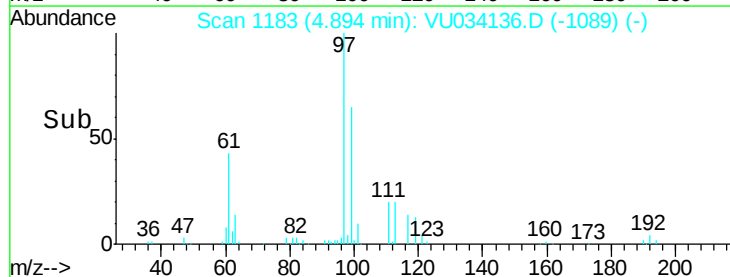
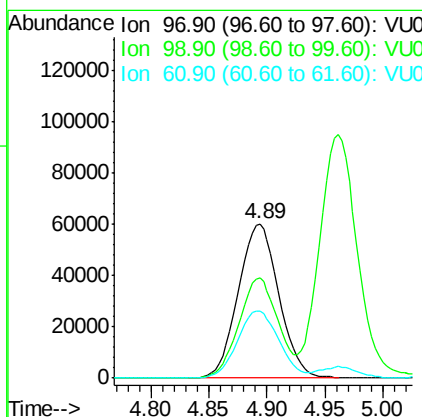
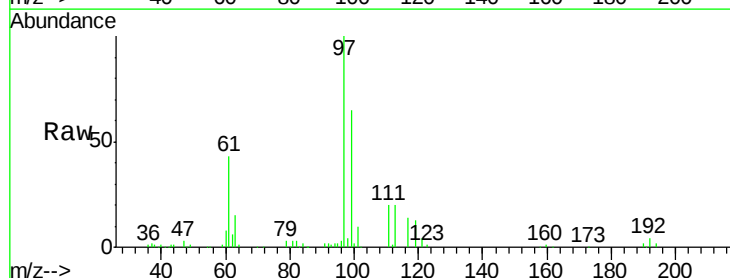
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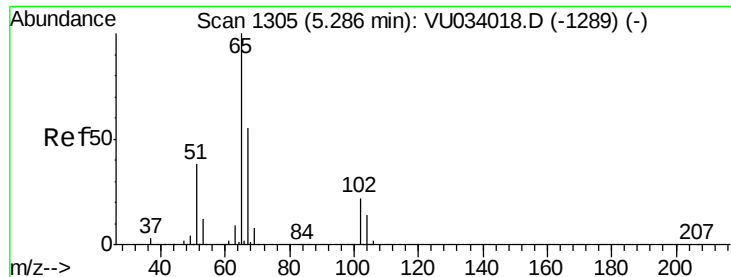
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.673 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	44.4	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 49.833 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 65 Resp: 259673

Ion Ratio Lower Upper

65 100

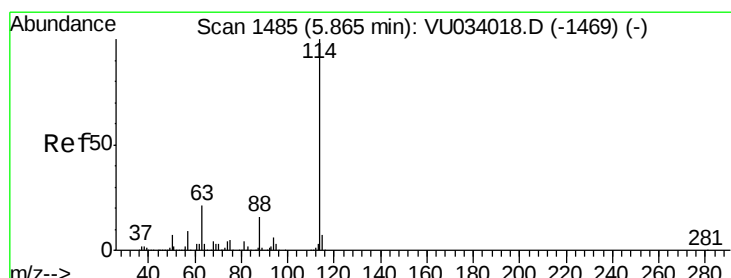
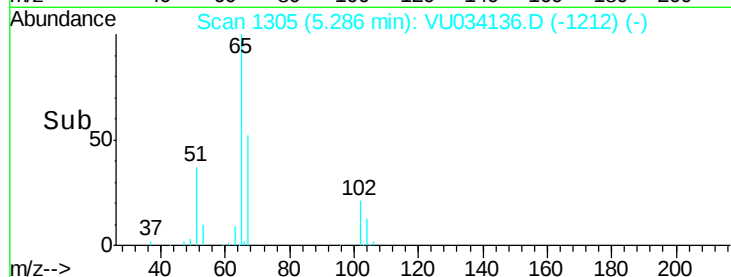
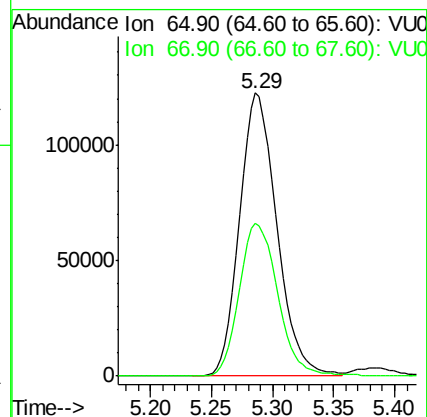
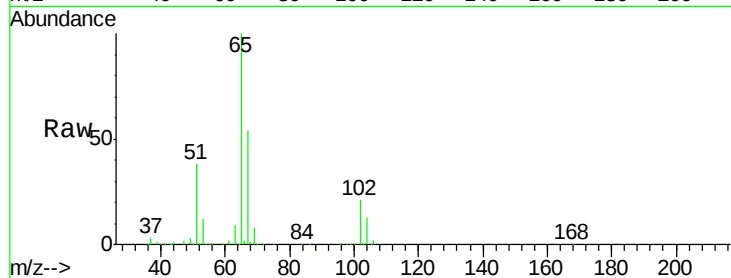
67 55.8 0.0 110.6

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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: VU034136.D

Acq: 31 Aug 2019 21:30

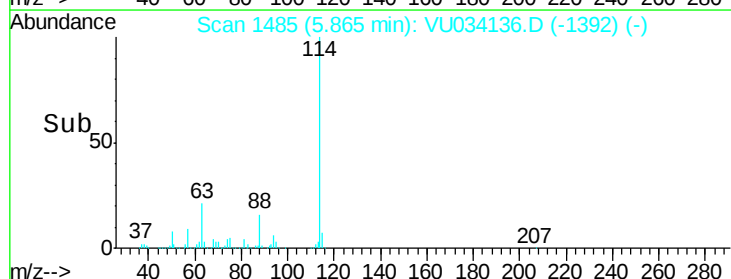
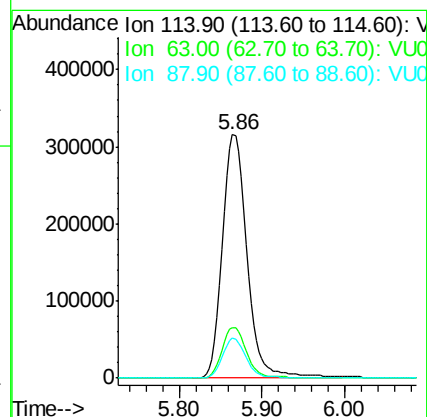
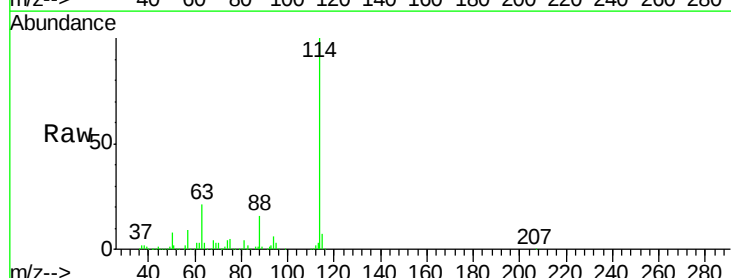
Tgt Ion: 114 Resp: 652150

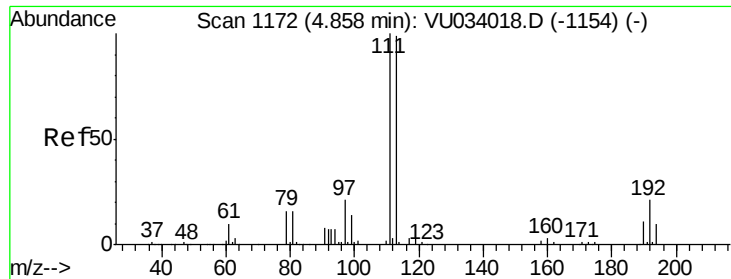
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

88 16.4 0.0 32.0





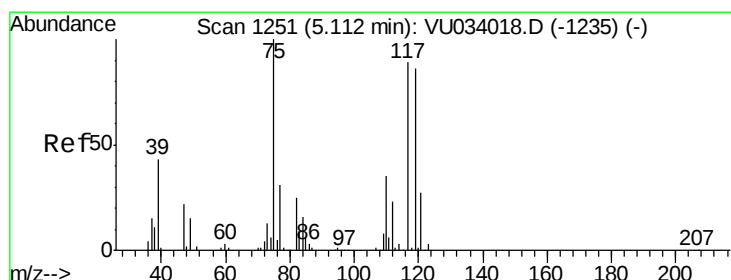
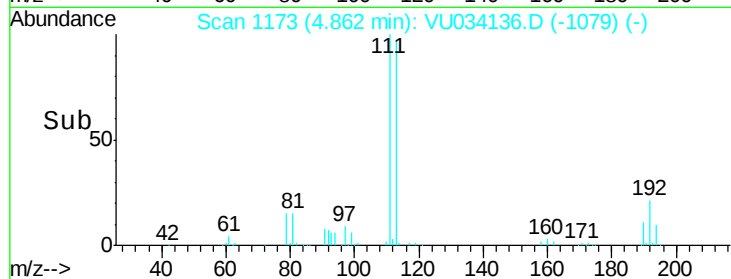
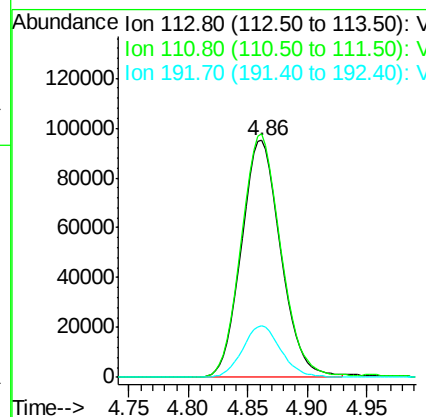
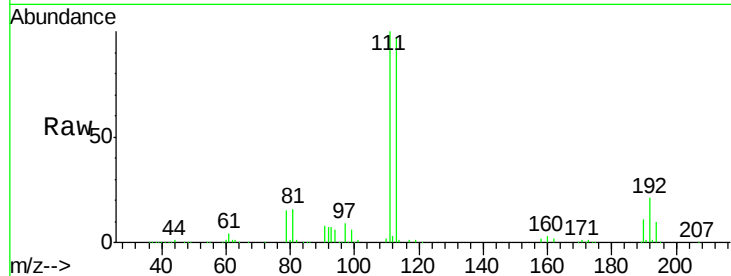
#35
Dibromofluoromethane
Concen: 48.244 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218222		
111	103.0	81.7	122.5	
192	21.4	17.1	25.7	

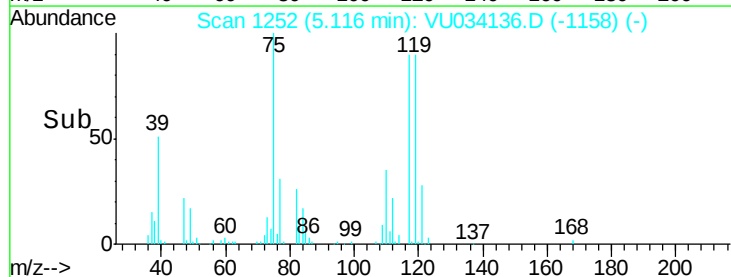
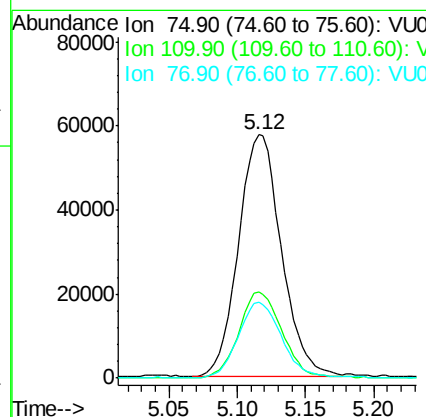
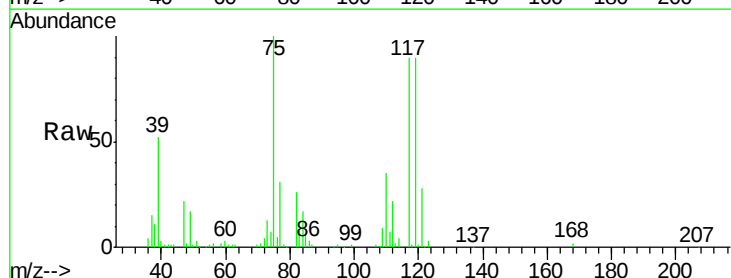
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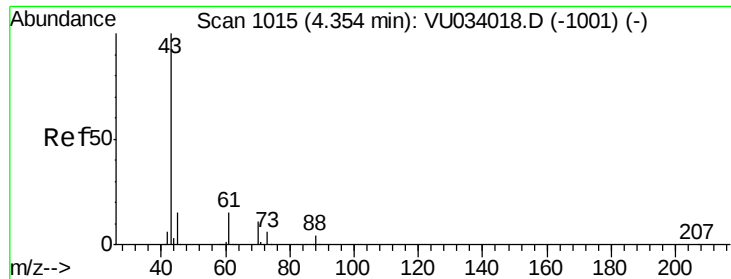
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#36
1,1-Dichloropropene
Concen: 20.394 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125800		
110	36.0	17.8	53.5	
77	31.1	25.0	37.4	





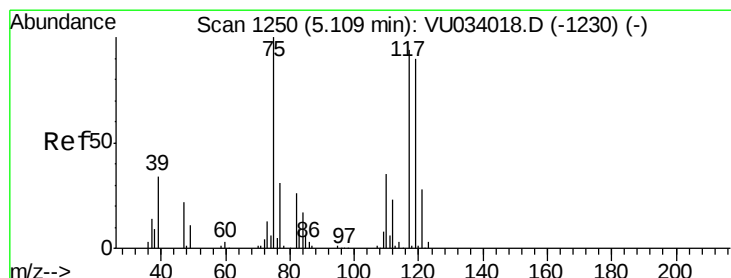
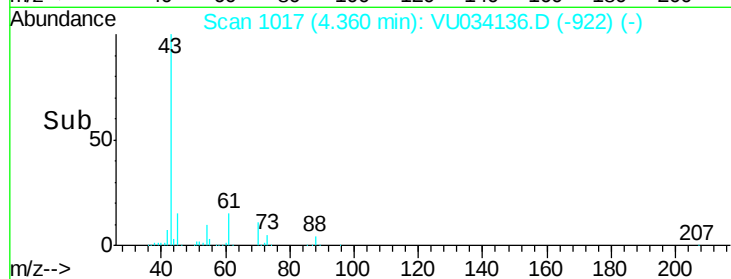
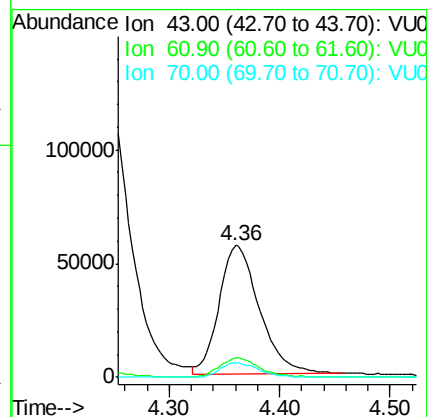
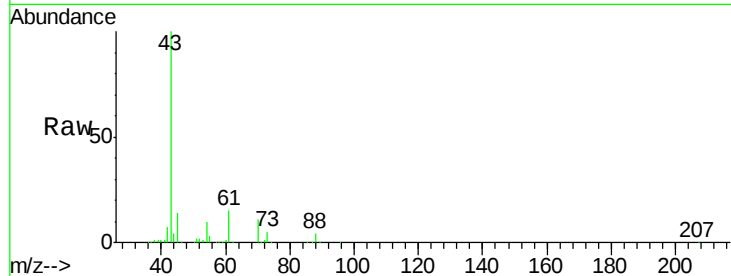
#37
Ethyl Acetate
Concen: 20.912 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.9	8.6	12.8

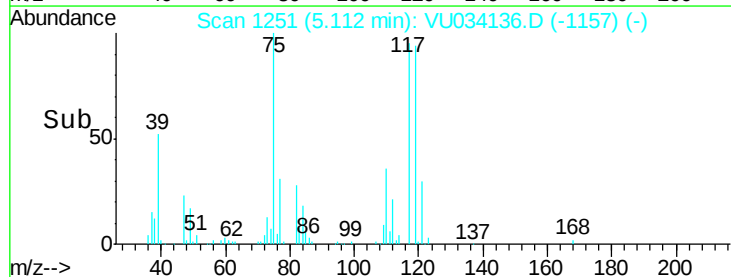
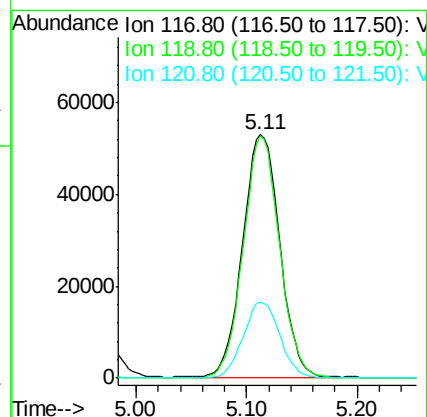
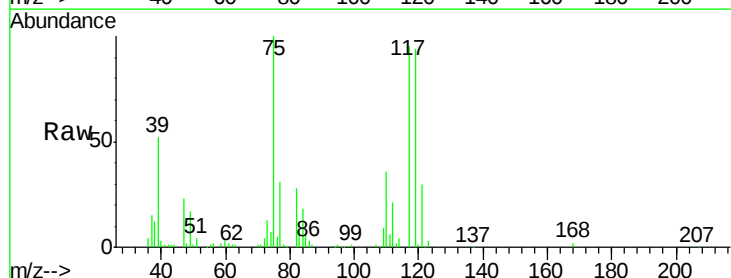
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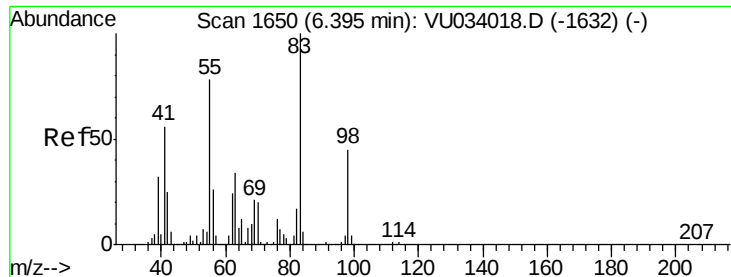
MMDadoda
9/3/2019 11:32:24 AM



#38
Carbon Tetrachloride
Concen: 20.672 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.0	115.4
121	31.5	23.9	35.9





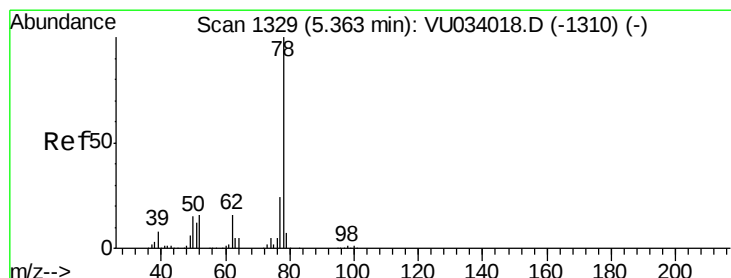
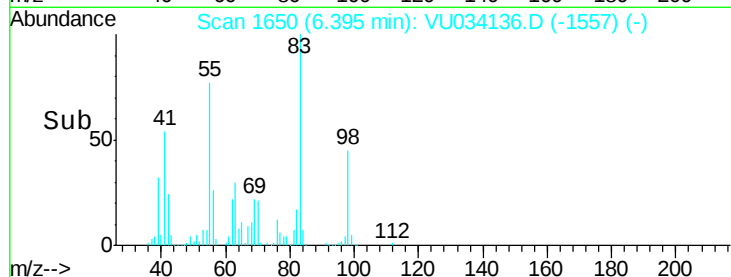
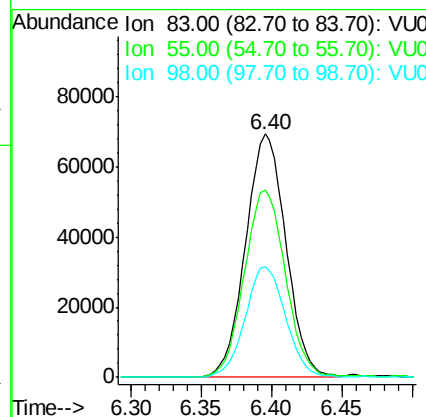
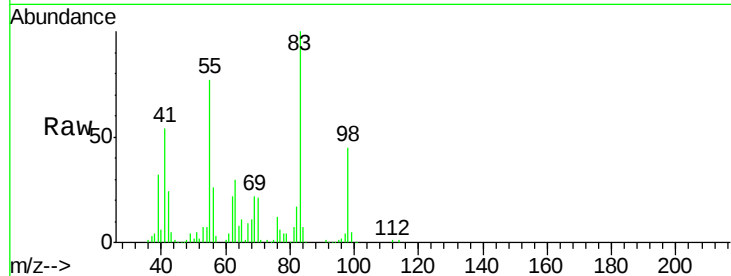
#39
Methvlcvclohexane
Concen: 19.163 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.3	93.5
98	45.5	36.2	54.2

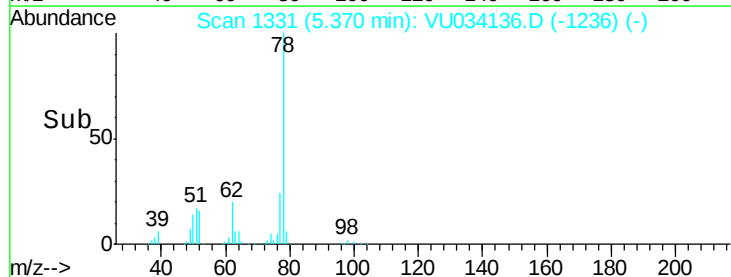
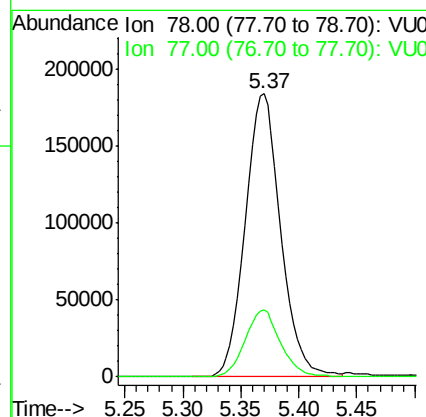
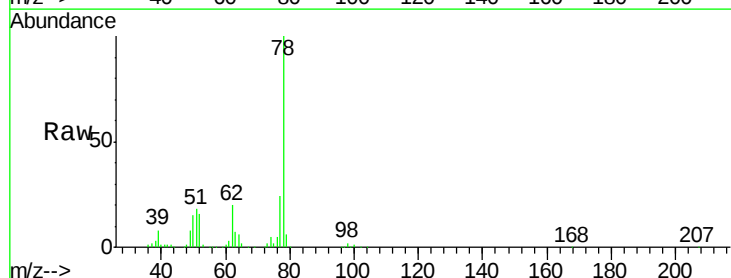
Manual Integrations
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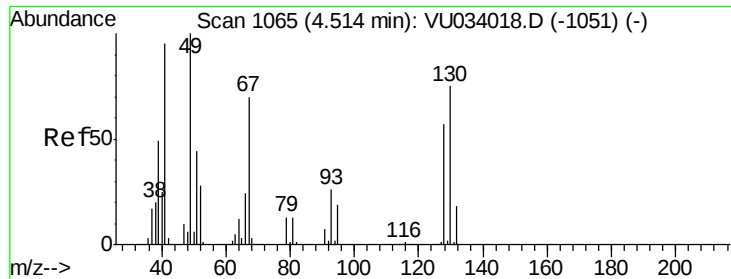
MMDadoda
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#40
Benzene
Concen: 20.990 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





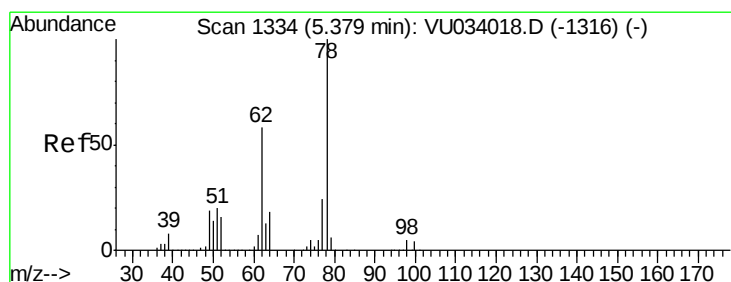
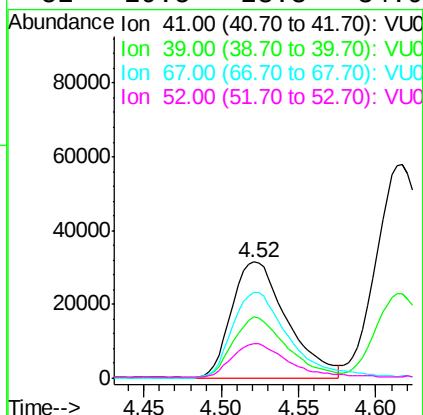
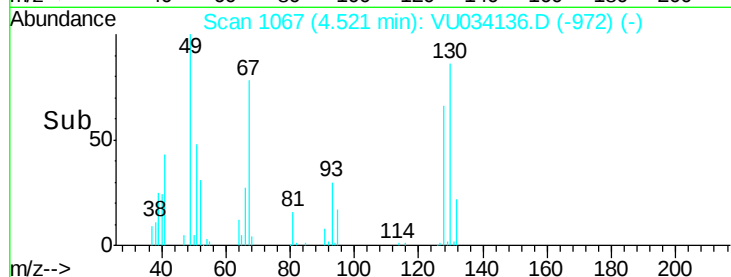
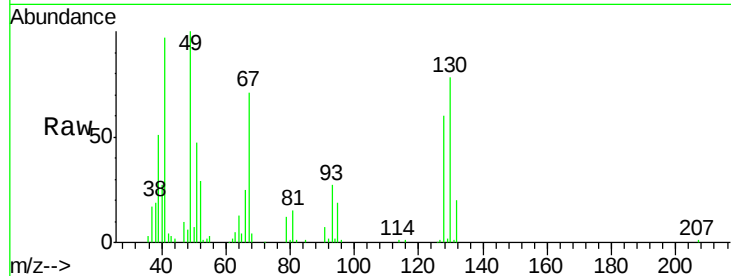
#41
Methacrylonitrile
Concen: 21.950 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	42.1	63.1	
67	77.6	61.0	91.4	
52	29.5	23.3	34.9	

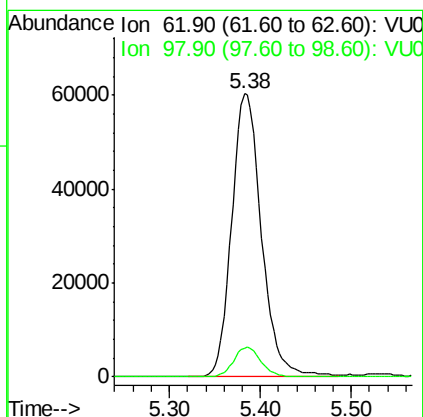
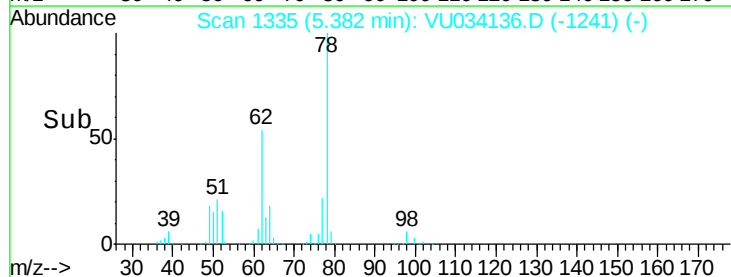
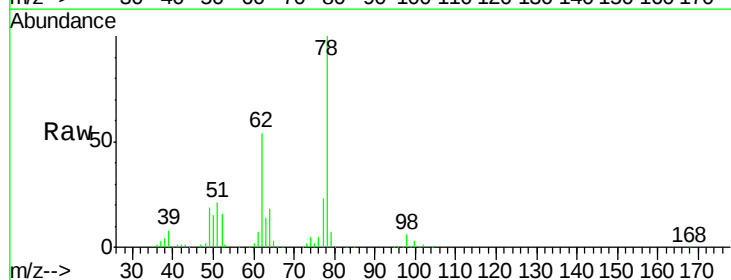
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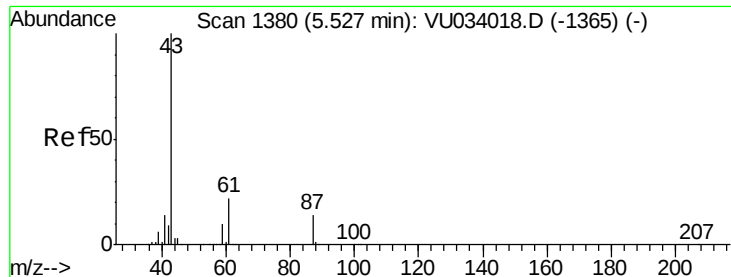
MMDadoda
9/3/2019 11:32:24 AM



#42
1,2-Dichloroethane
Concen: 21.299 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

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





#43

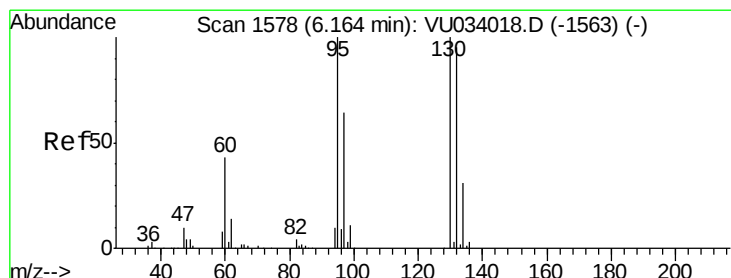
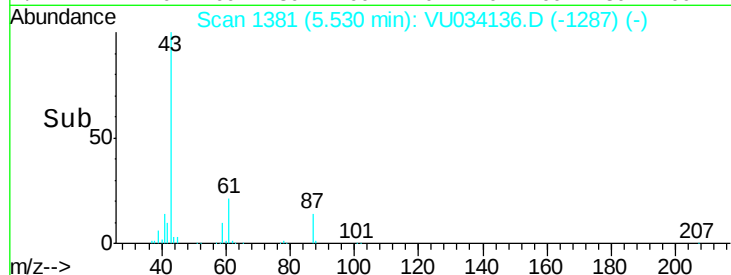
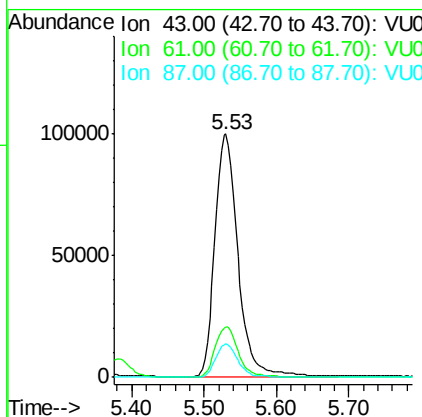
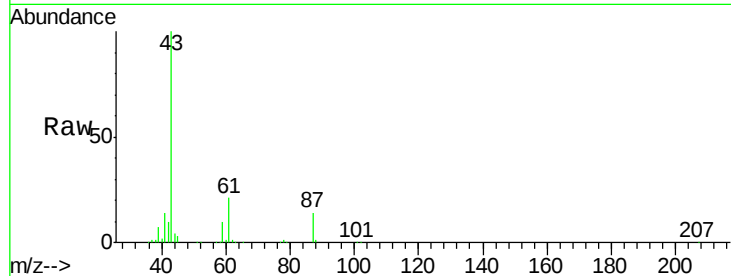
Isopropyl Acetate
 Concen: 20.935 ug/l
 RT: 5.53 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.3	10.8	16.2

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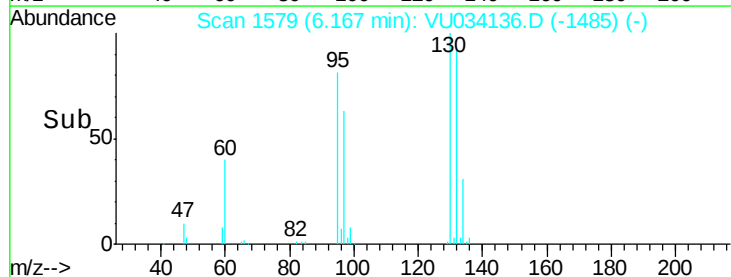
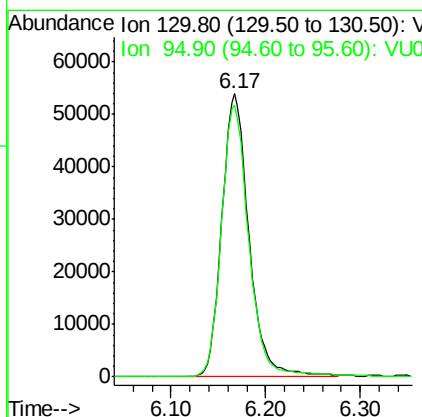
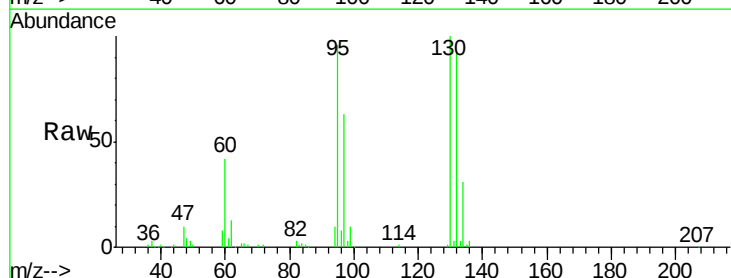
MMDadoda
 9/3/2019 11:32:24 AM

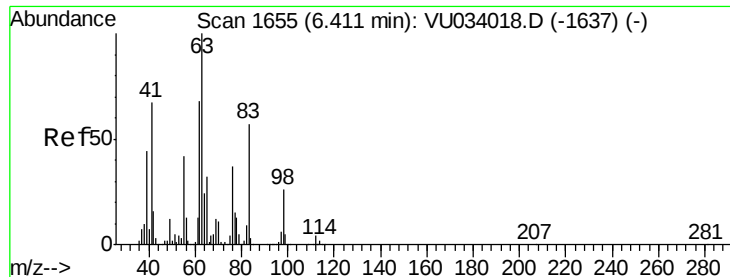


#44

Trichloroethene
 Concen: 22.035 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	199.6





#45

1,2-Dichloropropane

Concen: 21.276 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 63 Resp: 109305

Ion Ratio Lower Upper

63 100

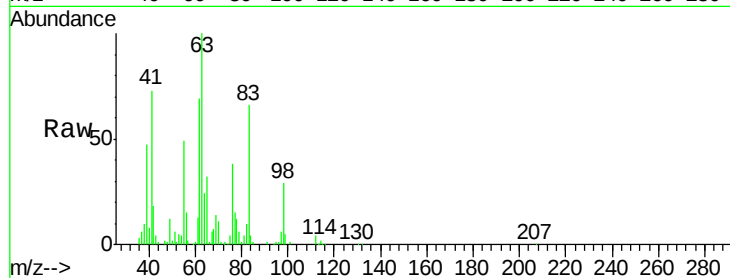
65 32.1 25.4 38.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU034018.D (-1637) (-)

6.41

60000

50000

40000

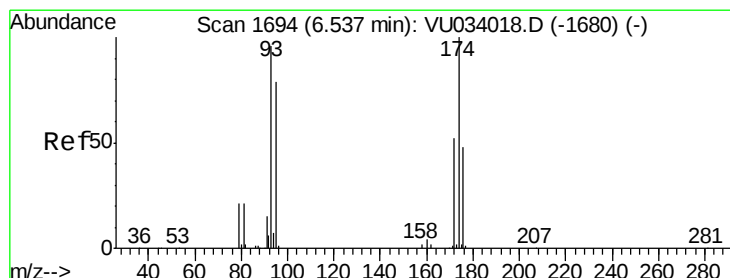
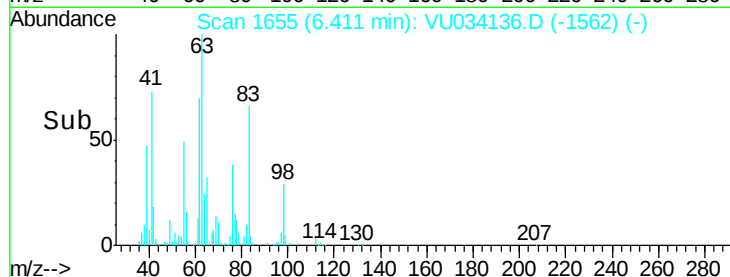
30000

20000

10000

0

Time--> 6.30 6.40 6.50



#46

Dibromomethane

Concen: 21.016 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

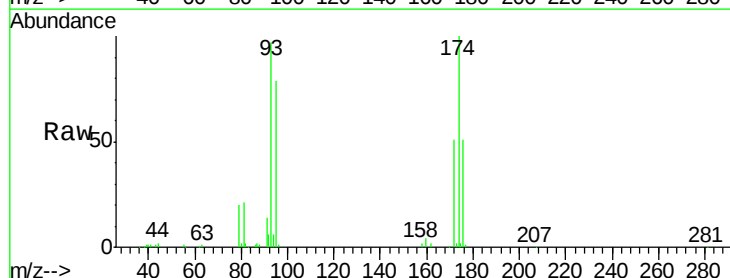
Tgt Ion: 93 Resp: 69560

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

174 105.8 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034018.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034018.D (-1680) (-)

6.54

50000

40000

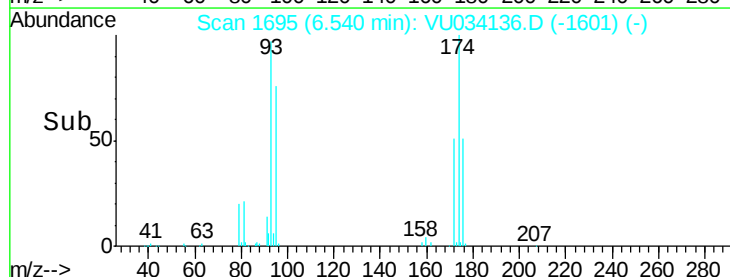
30000

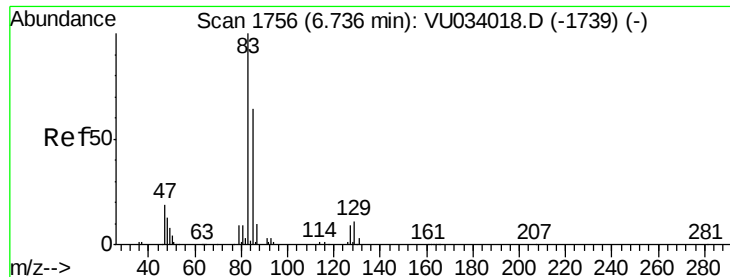
20000

10000

0

Time--> 6.45 6.50 6.55 6.60 6.65





#47

Bromodichloromethane

Concen: 21.215 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

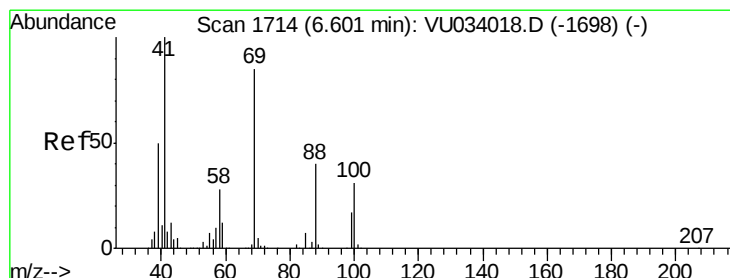
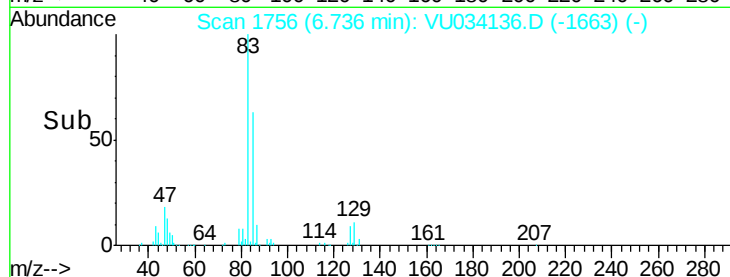
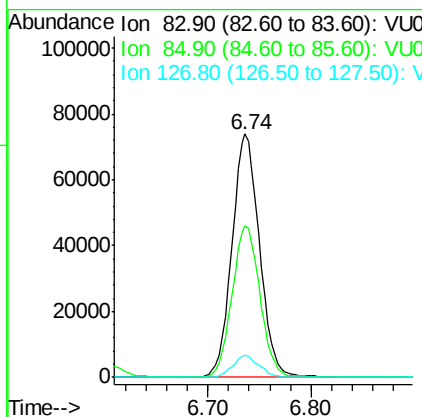
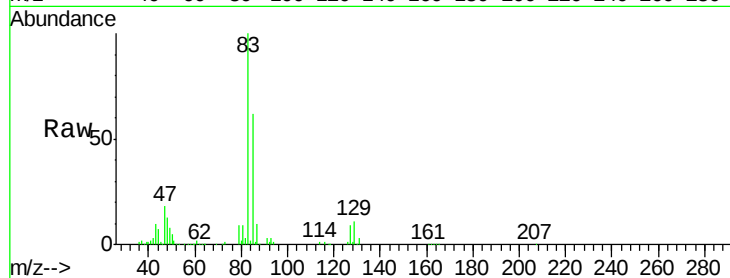
ClientSampleId :

VU0902WBSD01

Tot Ion:	83	Resp:	137384
Ion Ratio	Lower	Upper	
83	100		
85	62.4	51.2	76.8
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 20.304 ug/l

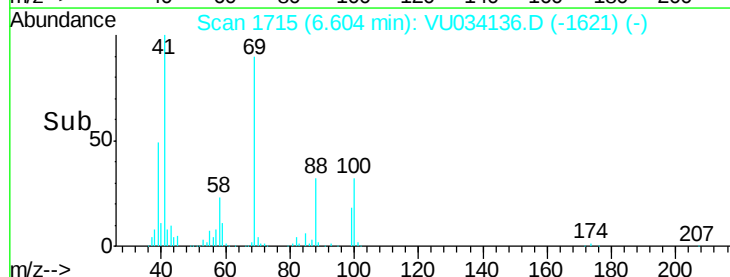
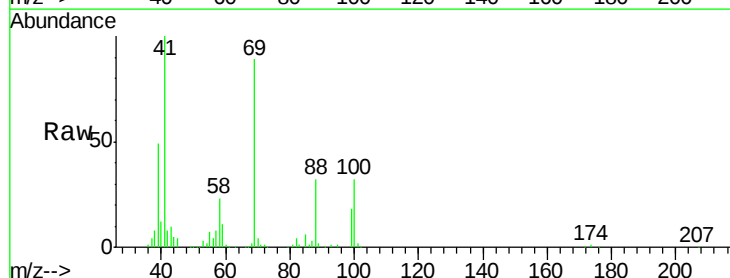
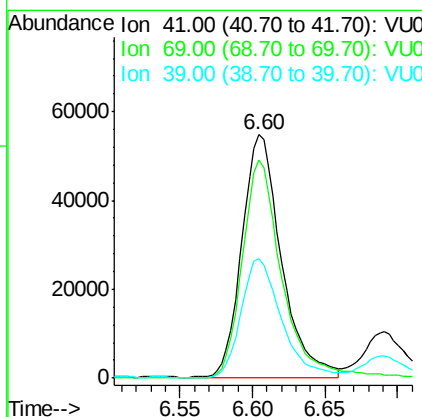
RT: 6.60 min Scan# 1715

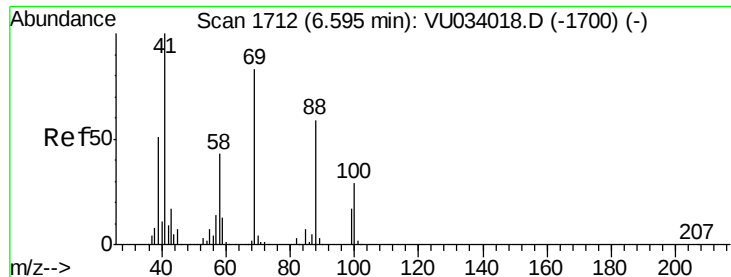
Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion:	41	Resp:	102961
Ion Ratio	Lower	Upper	
41	100		
69	91.3	69.5	104.3
39	50.0	40.3	60.5





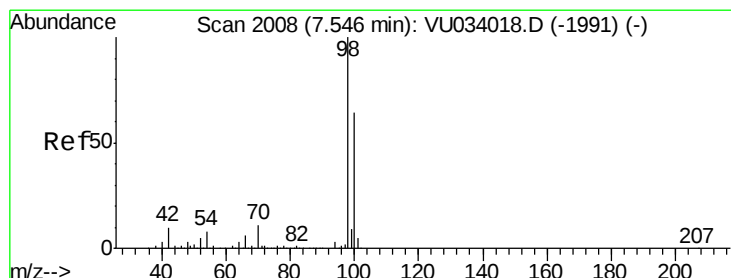
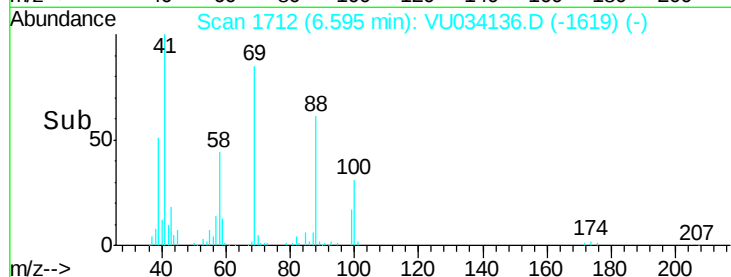
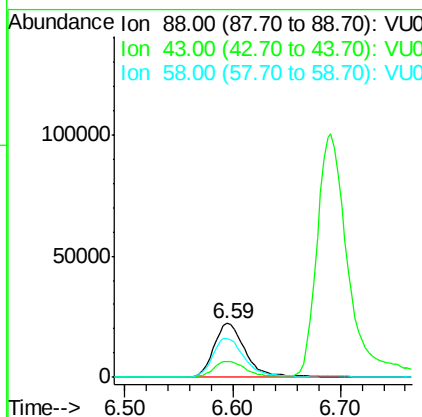
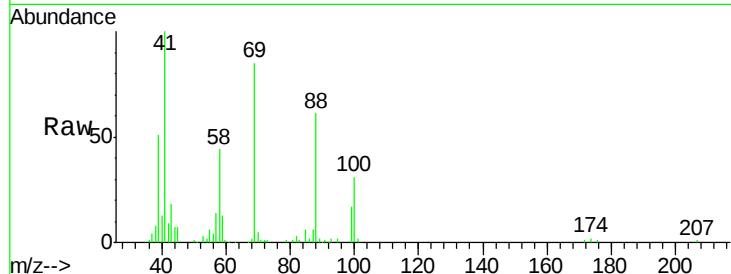
#49
1,4-Dioxane
Concen: 350.860 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.8	37.2
58	74.9	59.3	88.9

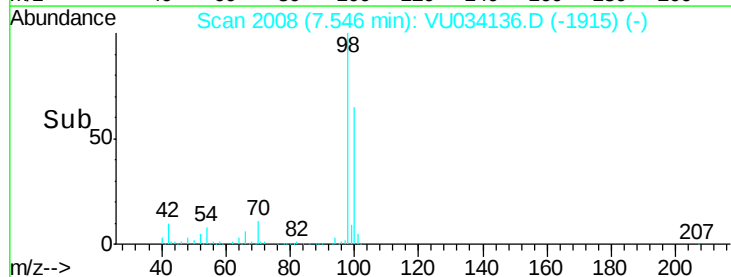
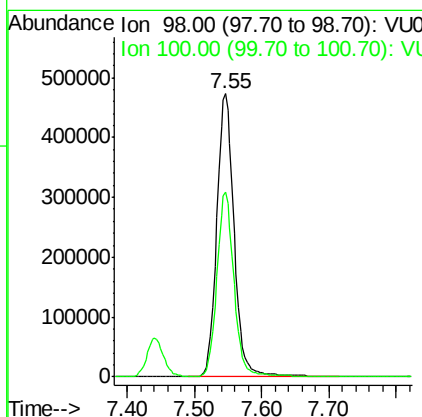
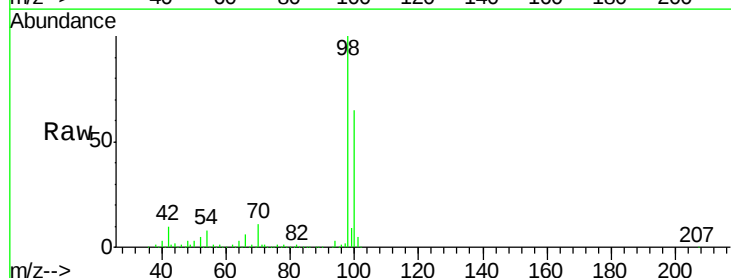
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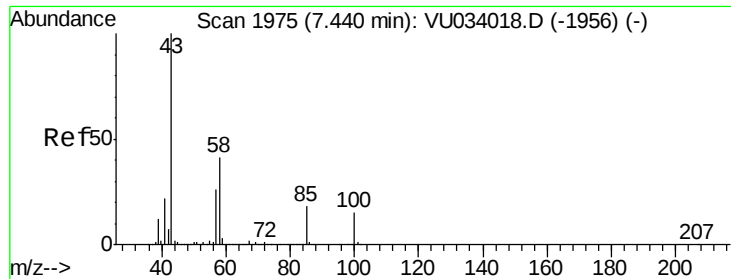
MMDadoda
9/3/2019 11:32:24 AM



#50
Toluene-d8
Concen: 50.459 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 104.565 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 43 Resp: 758880

Ion Ratio Lower Upper

43 100

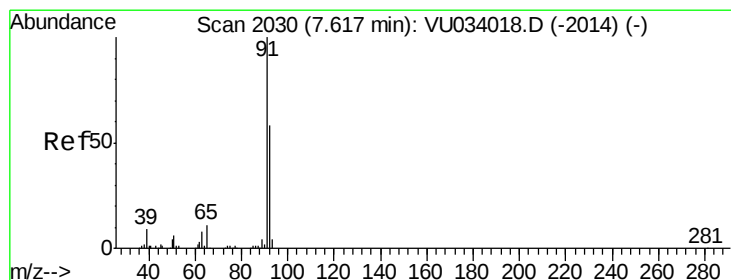
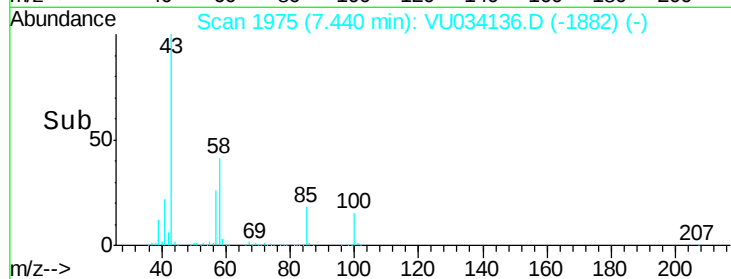
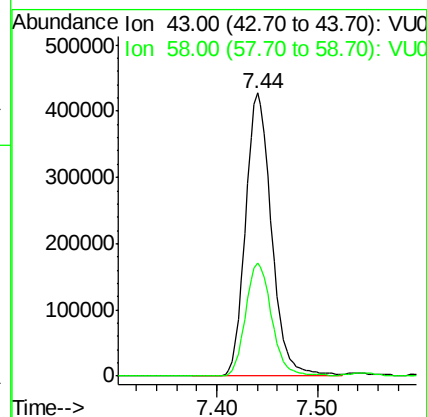
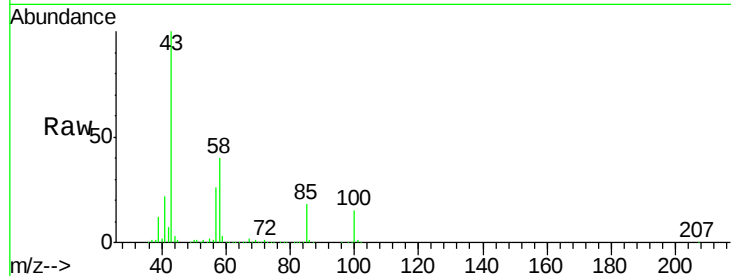
58 40.3 32.2 48.4

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#52

Toluene

Concen: 21.689 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034136.D

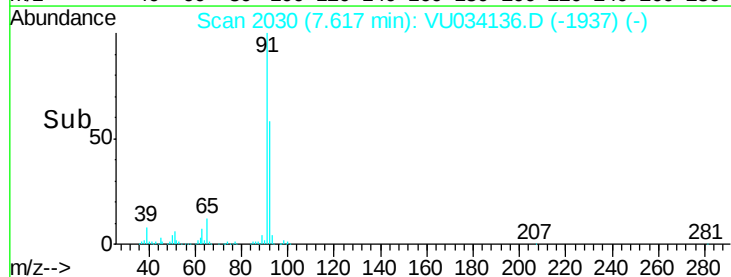
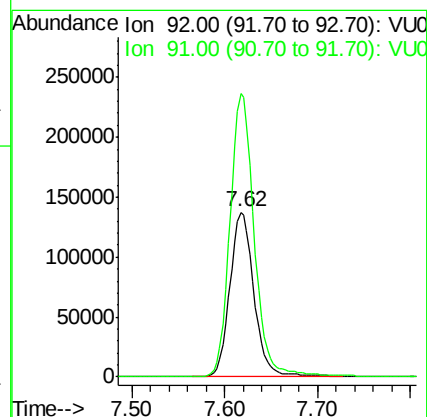
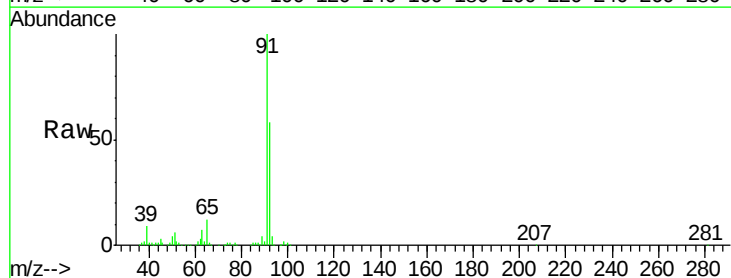
Acq: 31 Aug 2019 21:30

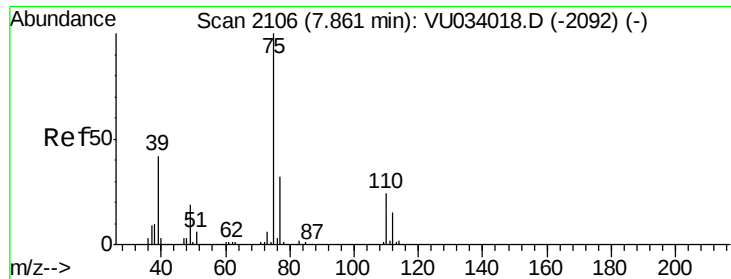
Tgt Ion: 92 Resp: 249356

Ion Ratio Lower Upper

92 100

91 171.4 138.3 207.5





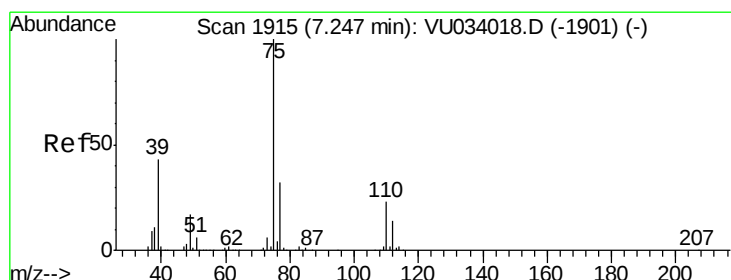
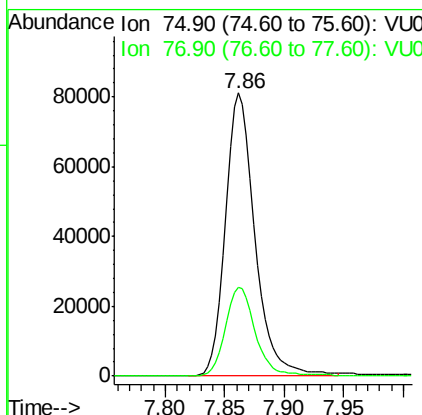
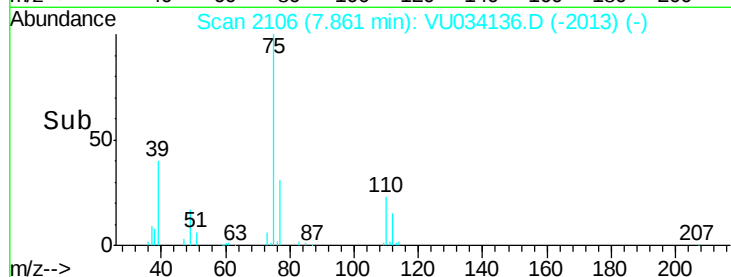
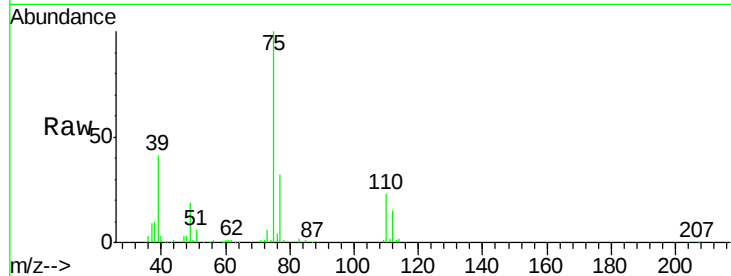
#53
t-1,3-Dichloropropene
Concen: 19.498 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion: 75 Resp: 140103
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

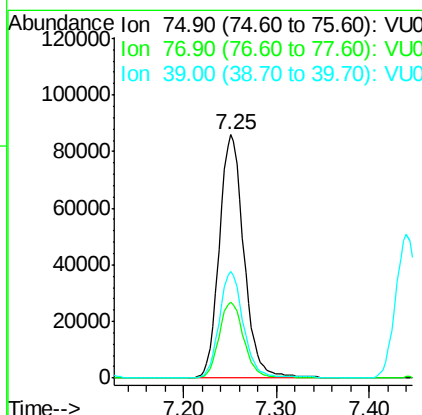
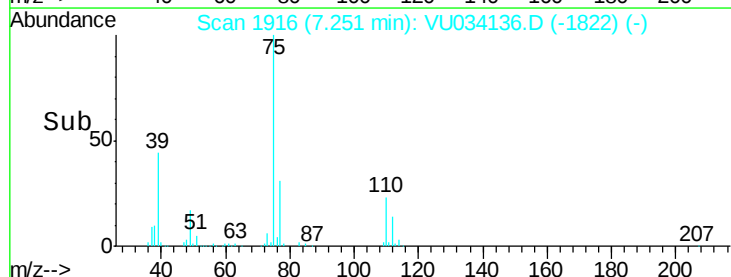
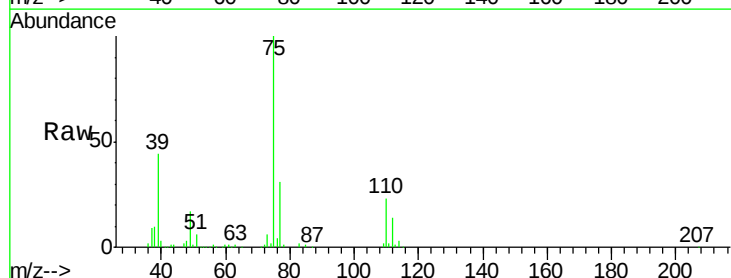
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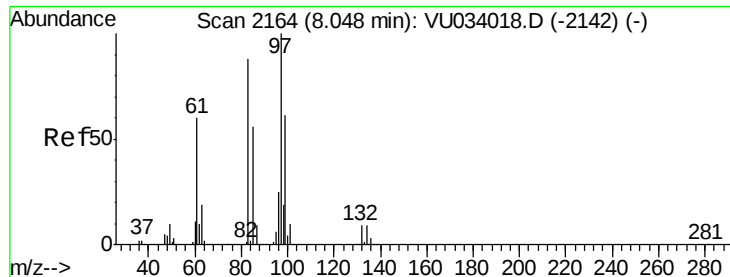
MMDadoda
9/3/2019 11:32:24 AM



#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 75 Resp: 158636
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 43.9 34.6 51.8





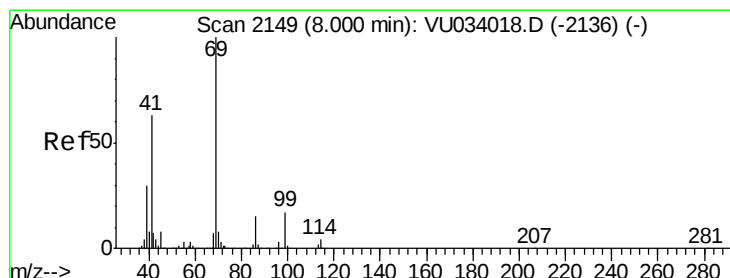
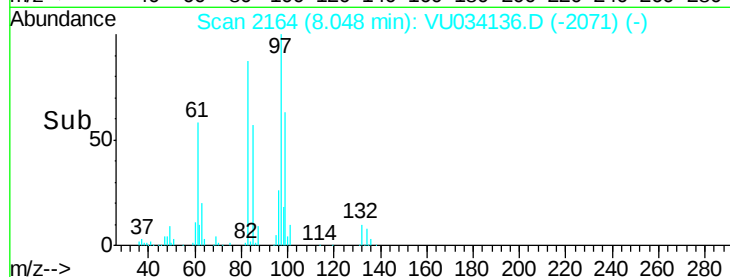
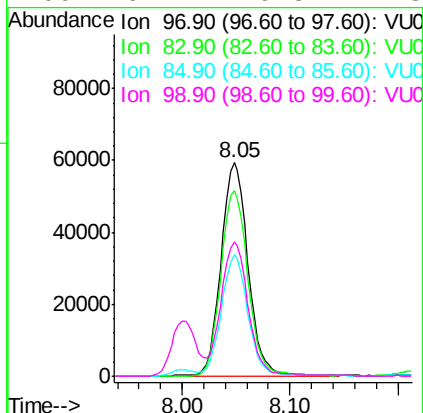
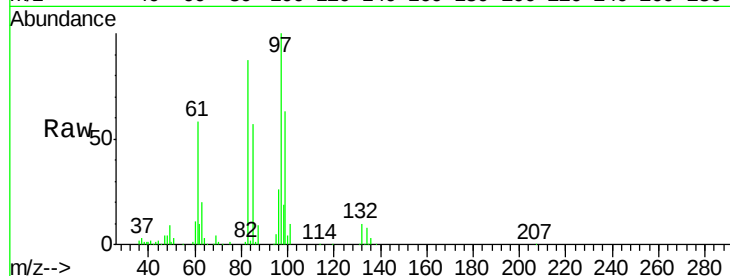
#55
 1,1,2-Trichloroethane
 Concen: 21.092 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion:	97	Resp:	102573
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.1	105.1
85	56.5	45.0	67.4
99	62.7	49.8	74.8

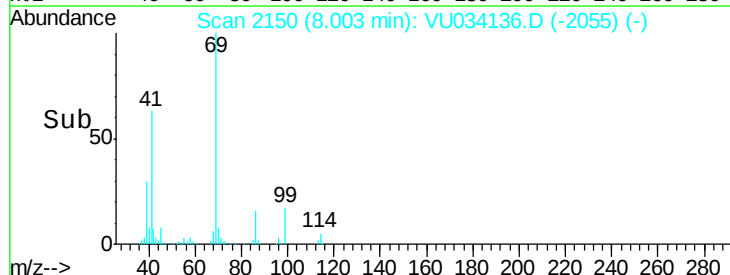
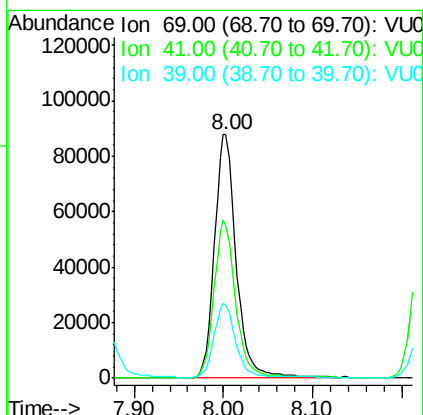
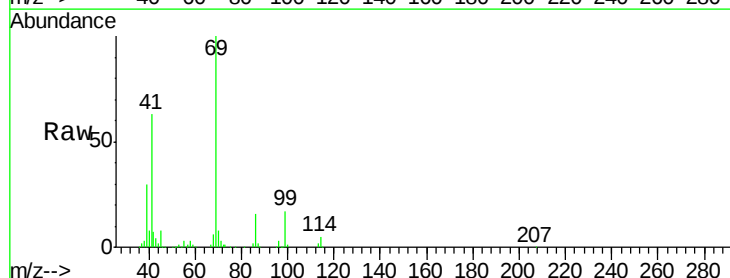
Manual Integrations
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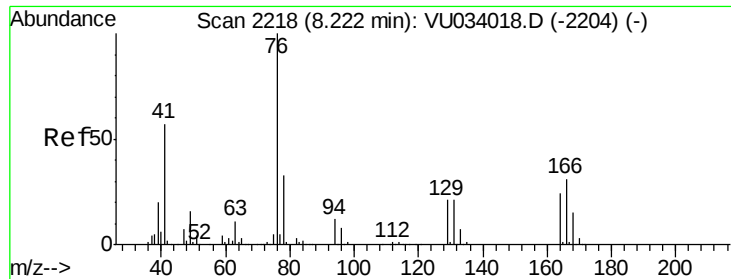
MMDadoda
 9/3/2019 11:32:24 AM



#56
 Ethyl methacrylate
 Concen: 19.030 ug/l
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion:	69	Resp:	148551
Ion	Ratio	Lower	Upper
69	100		
41	65.0	50.7	76.1
39	29.5	24.2	36.2





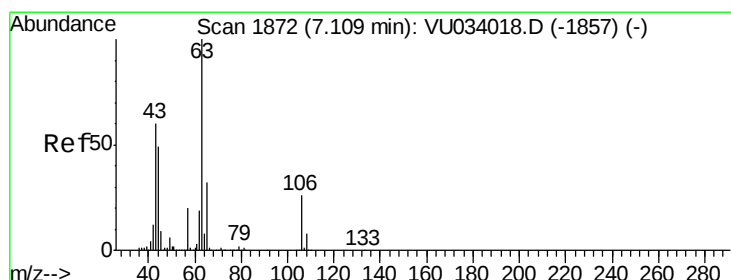
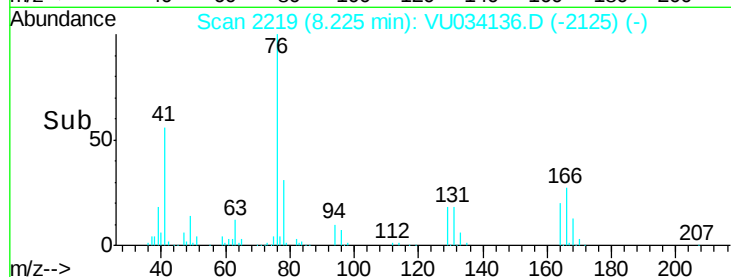
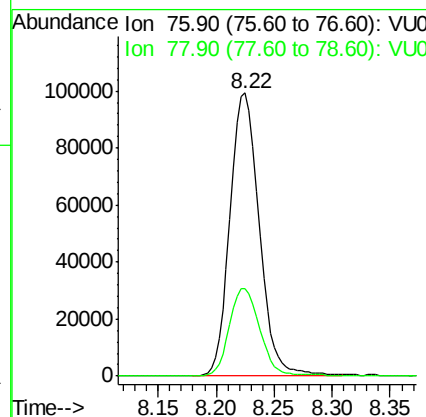
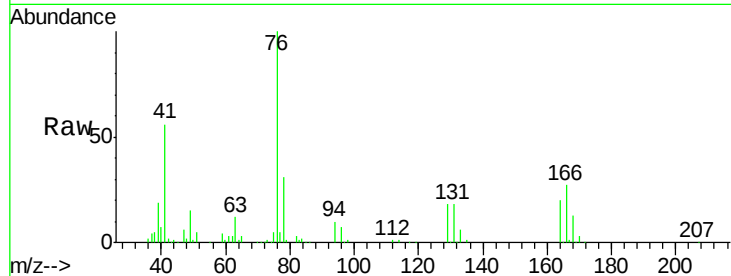
#57
 1,3-Dichloropropane
 Concen: 21.121 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion: 76 Resp: 174400
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

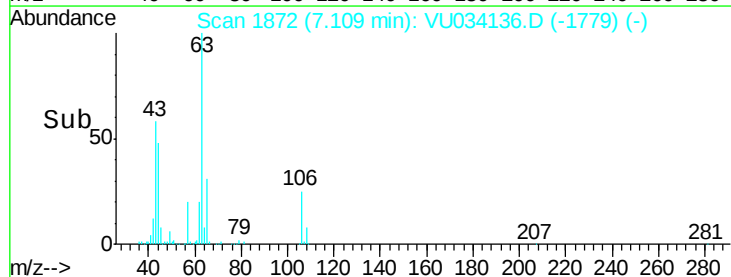
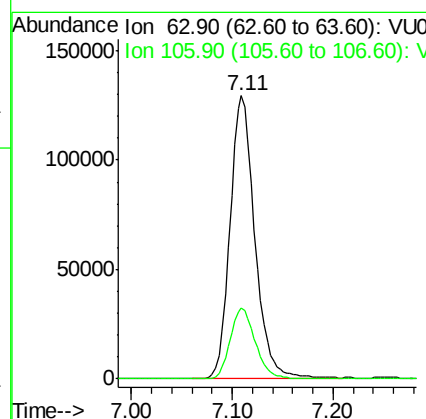
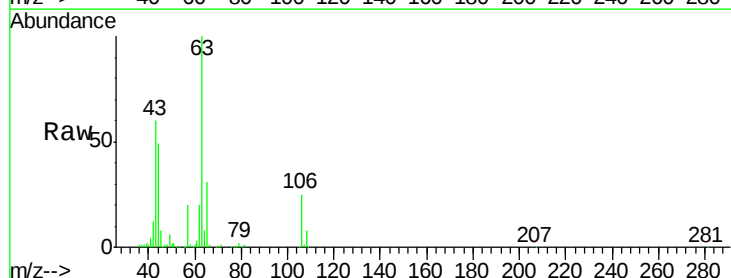
Manual Integrations
 APPROVED

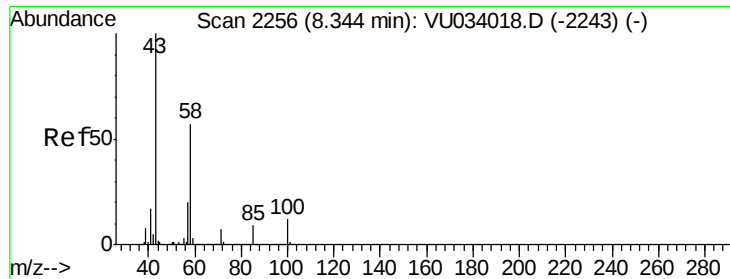
MMDadoda
 9/3/2019 11:32:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.764 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 63 Resp: 222668
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1





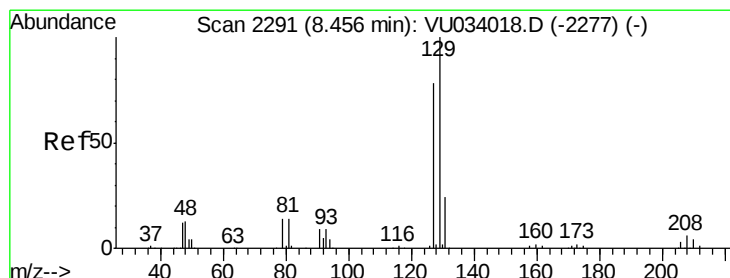
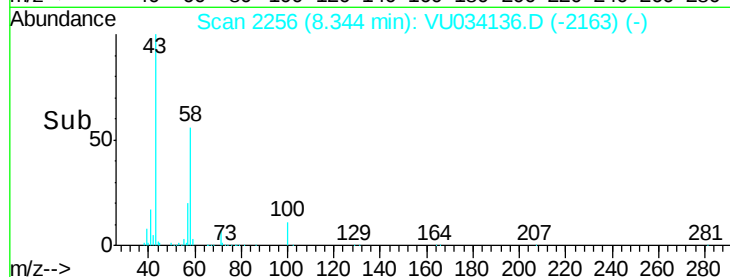
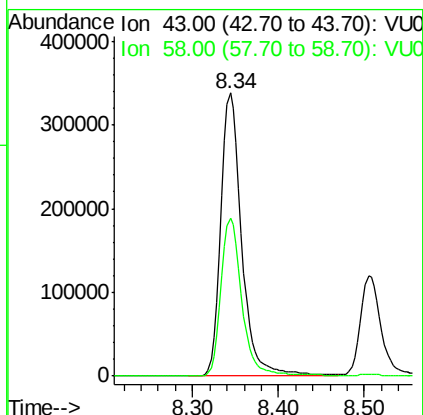
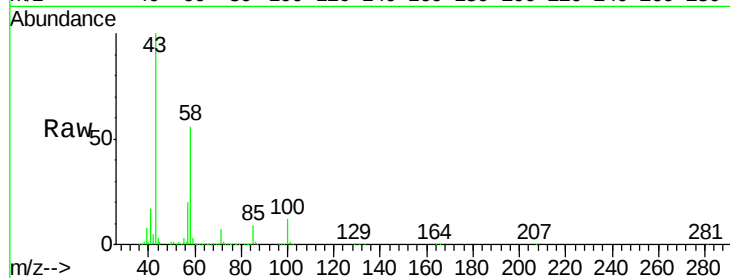
#59
2-Hexanone
Concen: 104.816 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.4	85.3

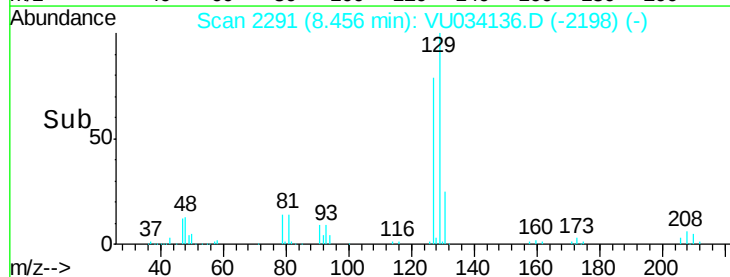
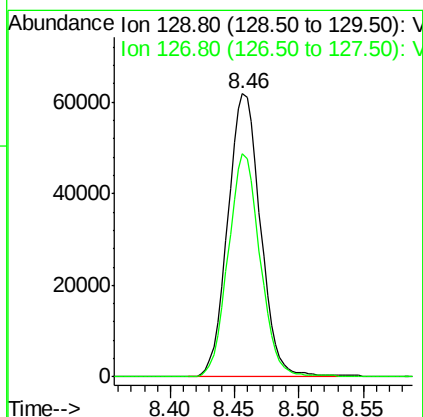
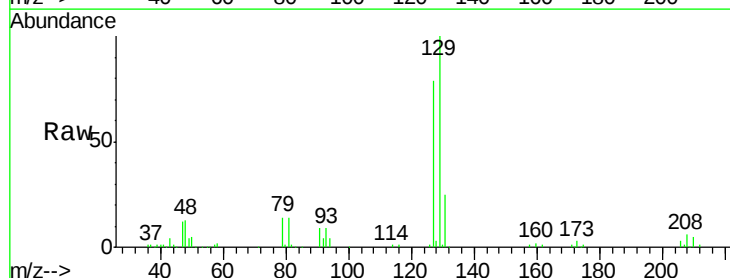
Manual Integrations
APPROVED

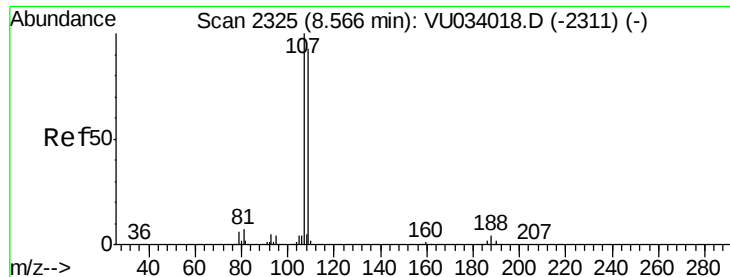
MMDadoda
9/3/2019 11:32:24 AM



#60
Dibromochloromethane
Concen: 20.820 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.0	116.9





#61

1,2-Dibromoethane

Concen: 20.856 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion:107 Resp: 106840

Ion Ratio Lower Upper

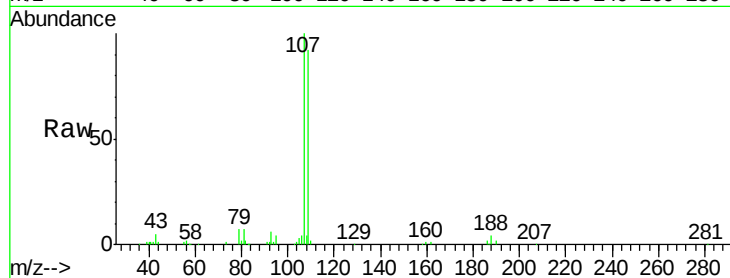
107 100

109 92.4 75.2 112.8

Manual Integrations
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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

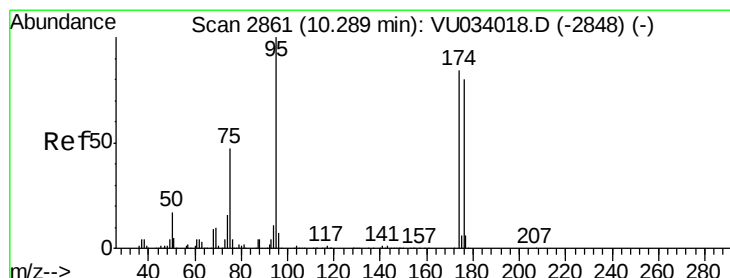
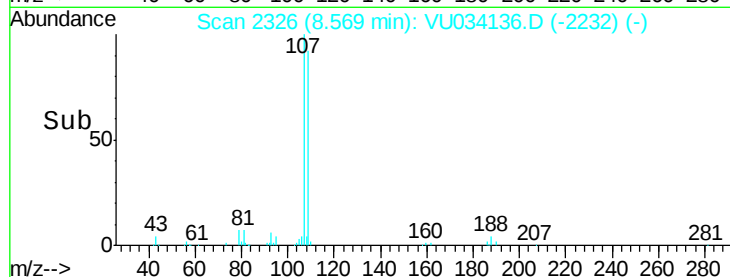
40000

20000

0

Time-->

8.50 8.60 8.70



#62

4-Bromofluorobenzene

Concen: 47.632 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

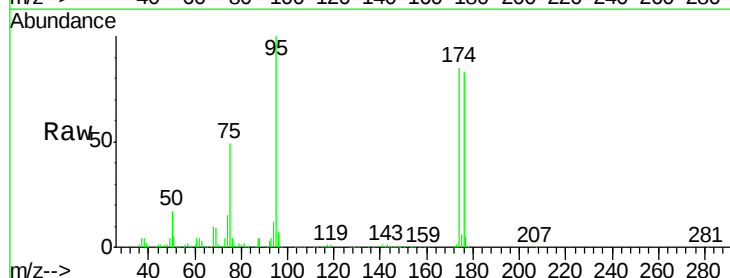
Tgt Ion: 95 Resp: 313810

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.8

176 82.2 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

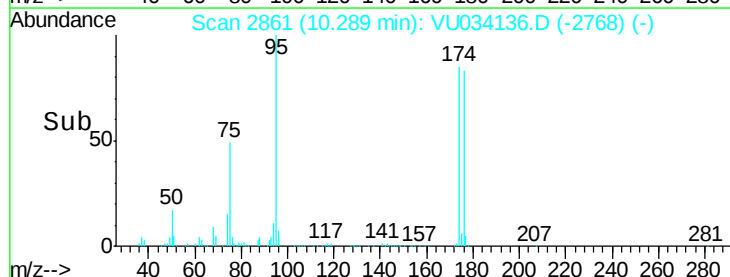
100000

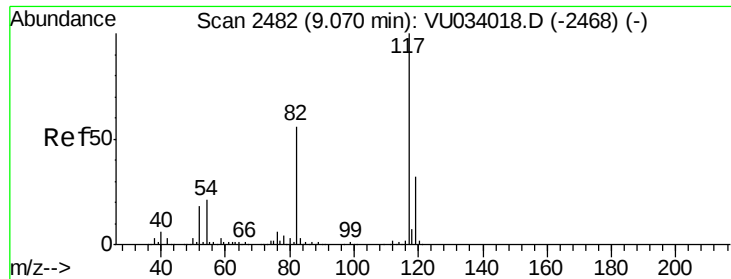
50000

0

Time-->

10.20 10.30 10.40





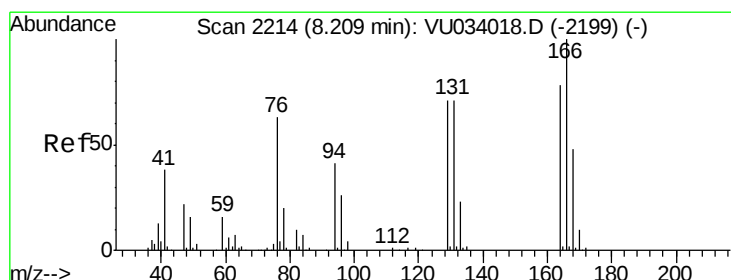
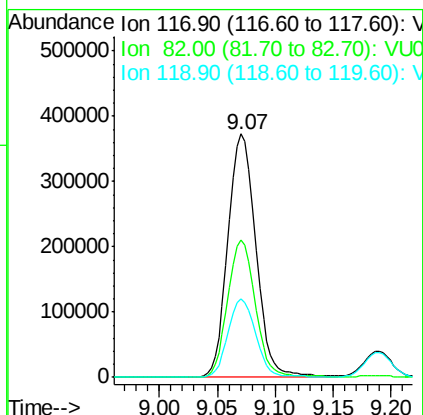
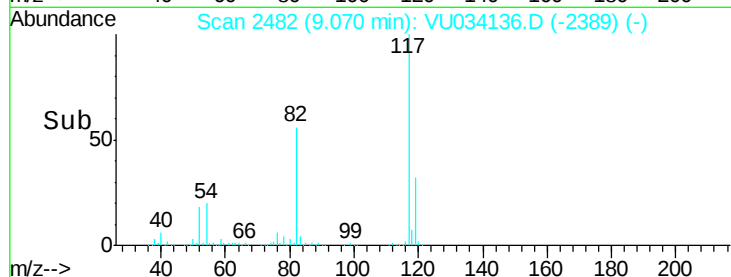
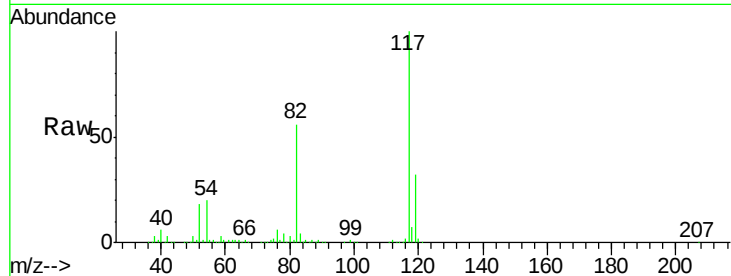
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	623802		
82	56.3		45.1	67.7
119	32.0		25.4	38.0

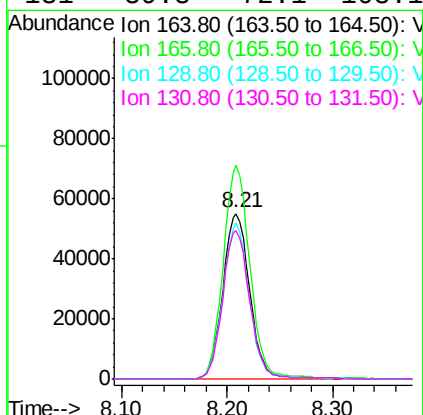
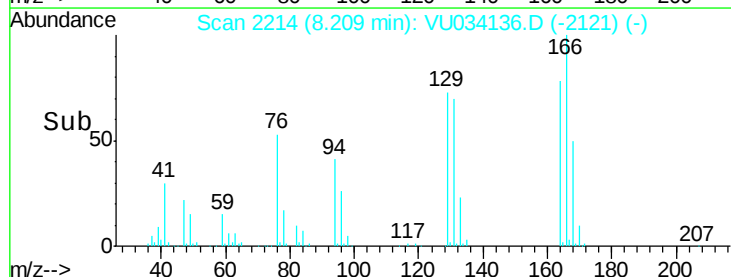
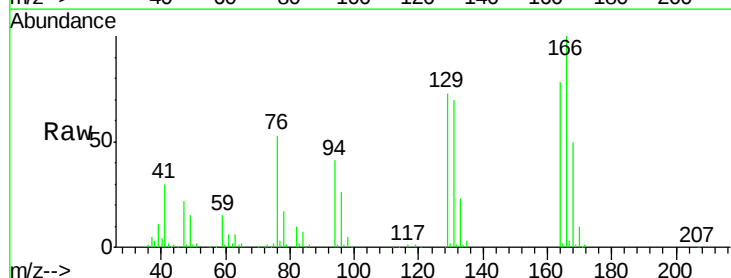
Manual Integrations
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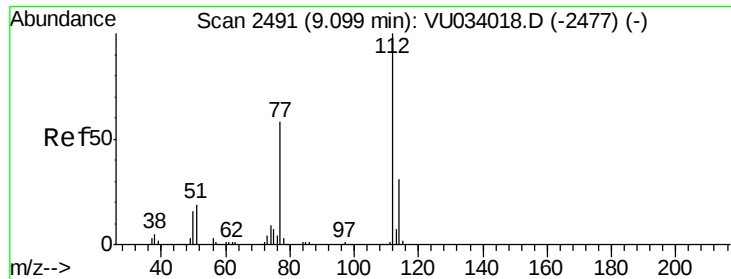
MMDadoda
9/3/2019 11:32:24 AM



#64
Tetrachloroethene
Concen: 23.292 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97574		
166	128.9		102.2	153.2
129	94.1		72.4	108.6
131	89.8		72.1	108.1





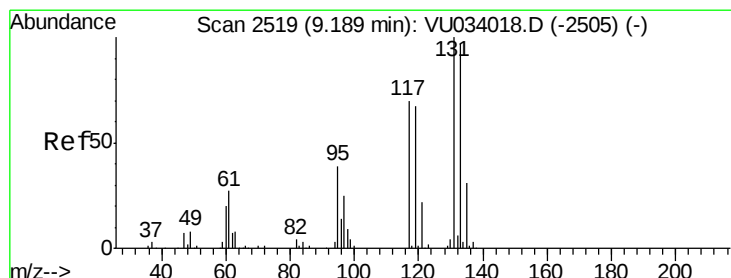
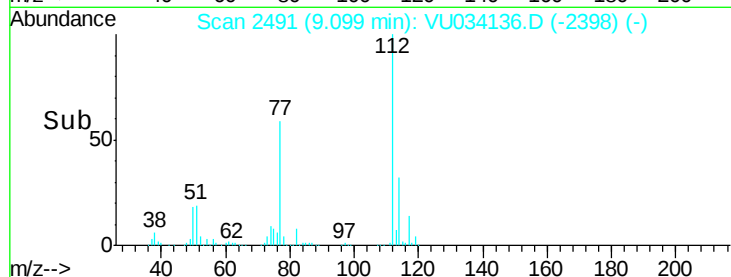
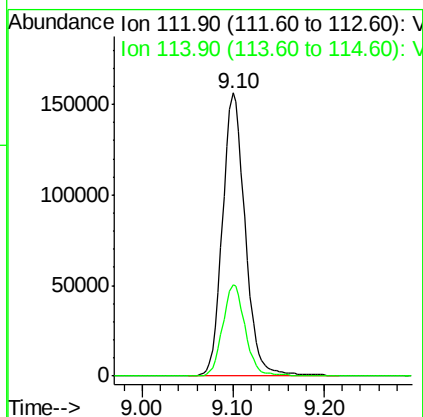
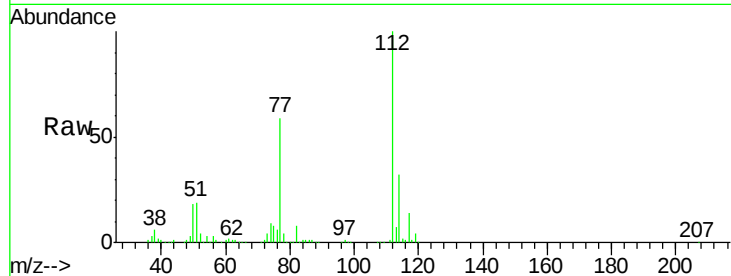
#65
Chlorobenzene
Concen: 21.187 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion:112 Resp: 271985
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4

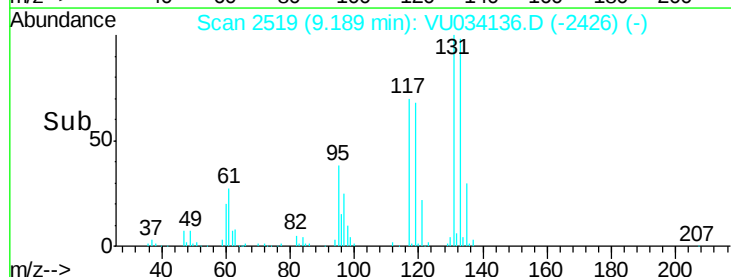
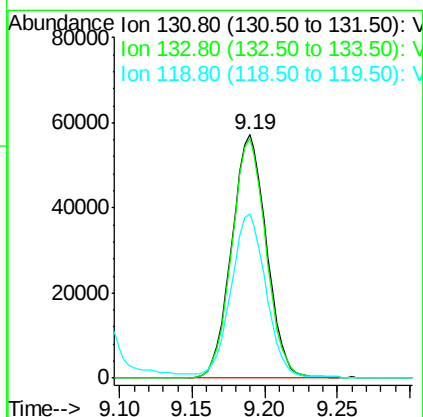
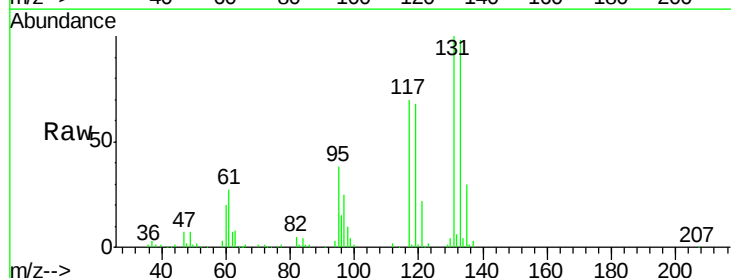
Manual Integrations
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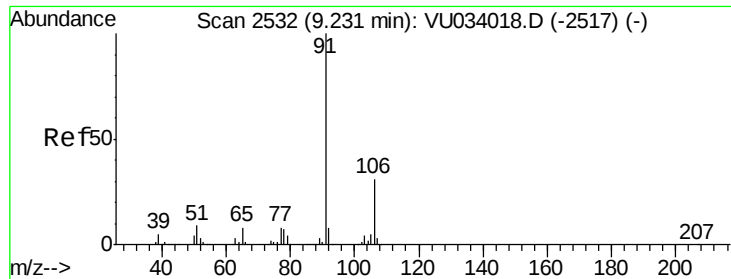
MMDadoda
9/3/2019 11:32:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.487 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:131 Resp: 95367
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.2
119 67.3 33.6 100.6





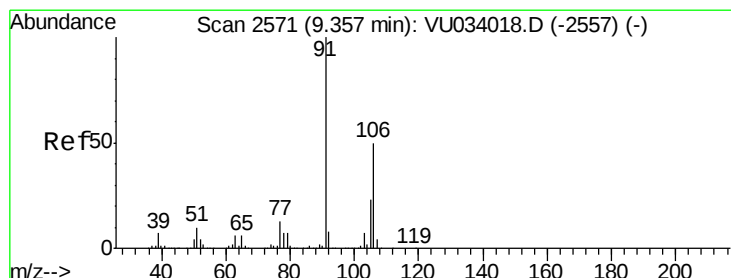
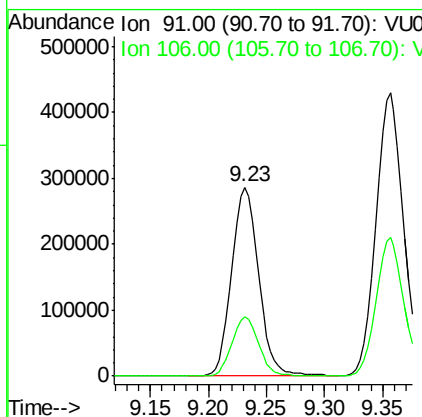
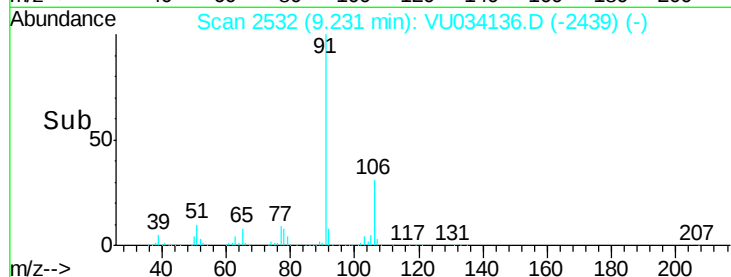
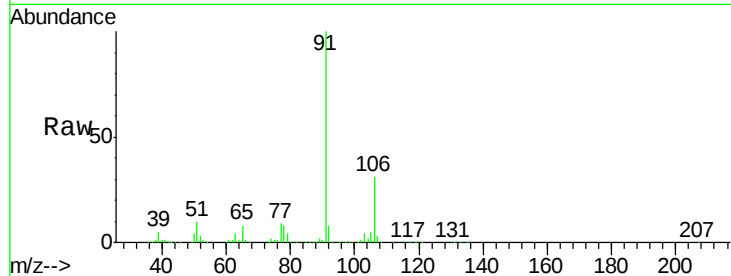
#67
Ethyl Benzene
Concen: 21.258 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion: 91 Resp: 462592
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

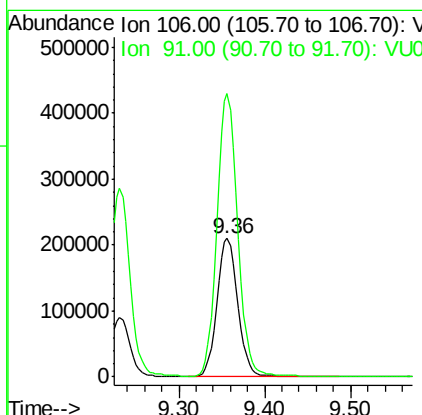
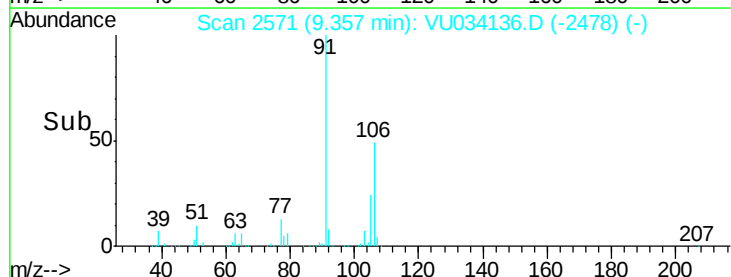
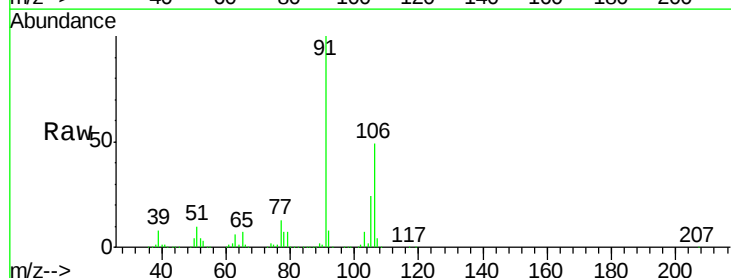
Manual Integrations
APPROVED

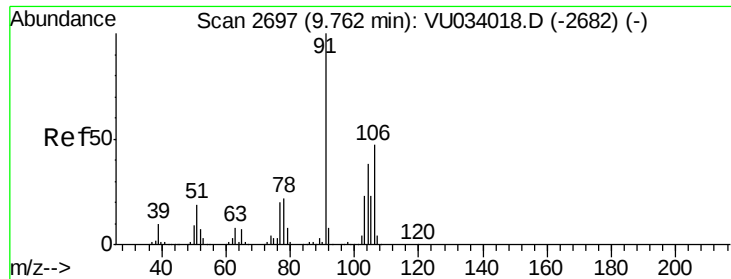
MMDadoda
9/3/2019 11:32:24 AM



#68
m/p-Xylenes
Concen: 42.814 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 106 Resp: 354256
Ion Ratio Lower Upper
106 100
91 203.3 161.6 242.4





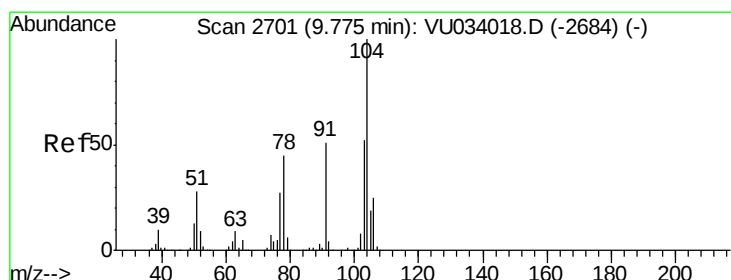
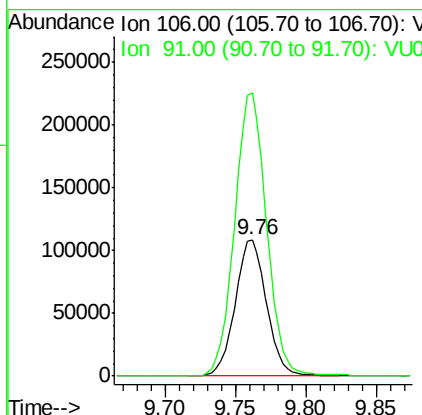
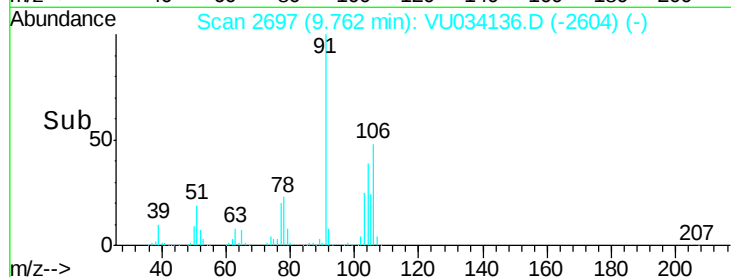
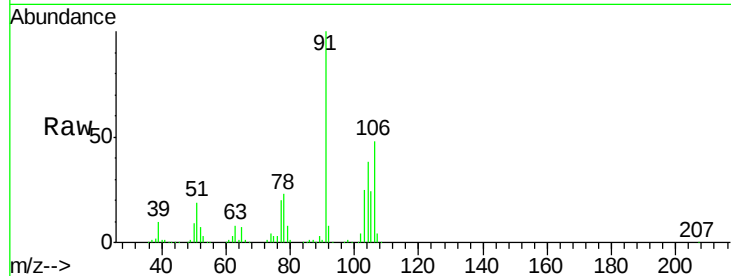
#69
o-Xylene
Concen: 21.265 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		168805		
91	212.8	106.0	318.0		

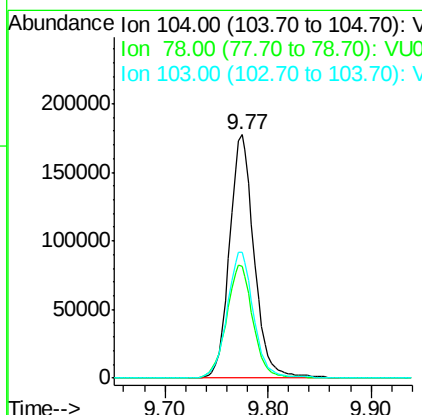
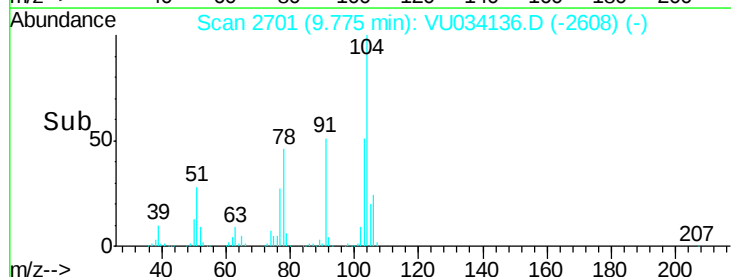
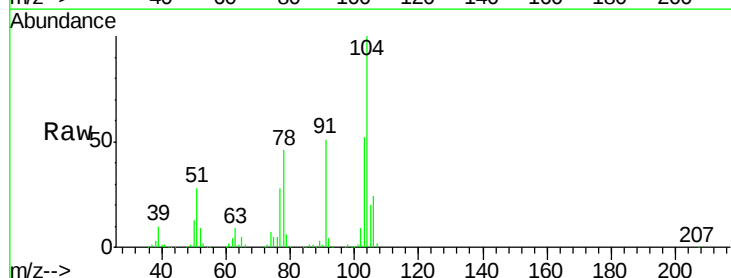
Manual Integrations
APPROVED

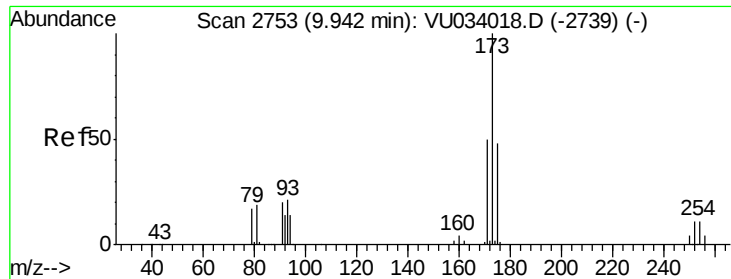
MMDadoda
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#70
Styrene
Concen: 21.733 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		295807		
78	49.8	39.0	58.4		
103	55.8	44.0	66.0		





#71

Bromoform

Concen: 19.878 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion:173 Resp: 80392

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.6

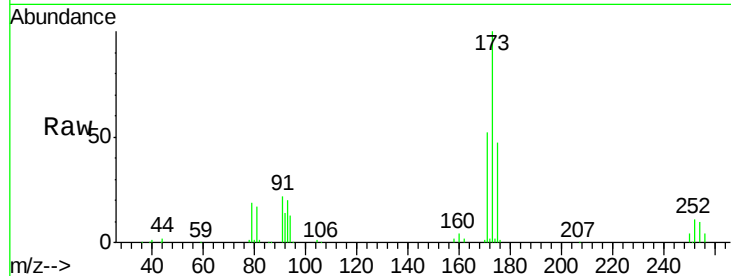
254 0.0 0.0 0.0

Manual Integrations

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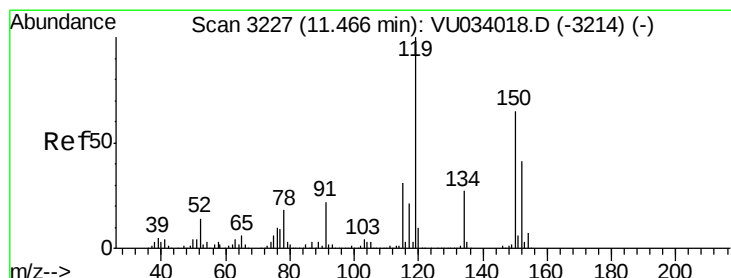
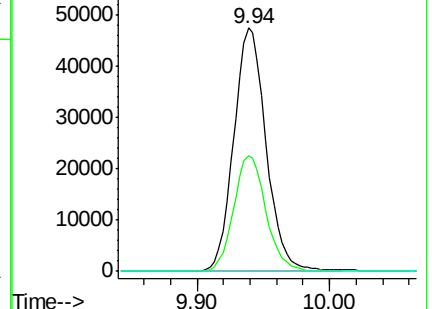
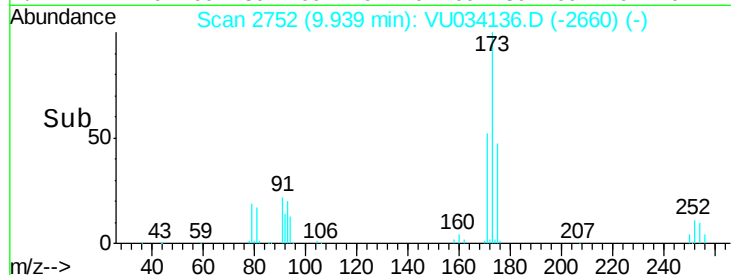
9/3/2019 11:32:24 AM



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: VU034136.D

Acq: 31 Aug 2019 21:30

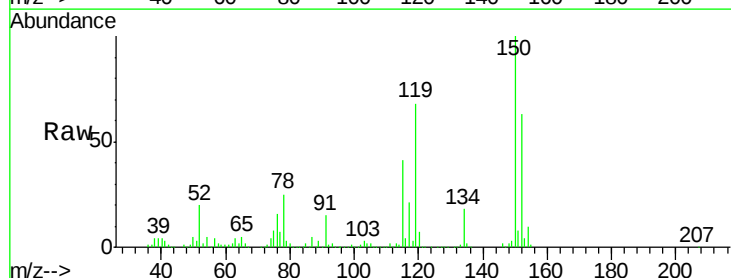
Tgt Ion:152 Resp: 333811

Ion Ratio Lower Upper

152 100

115 65.2 41.1 123.3

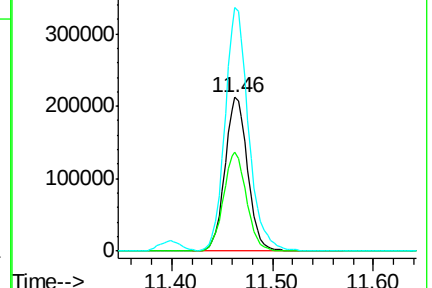
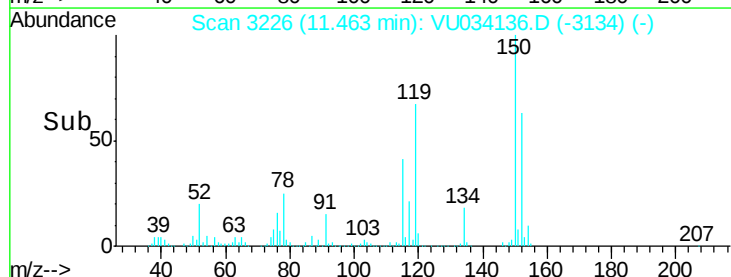
150 163.5 0.0 348.8

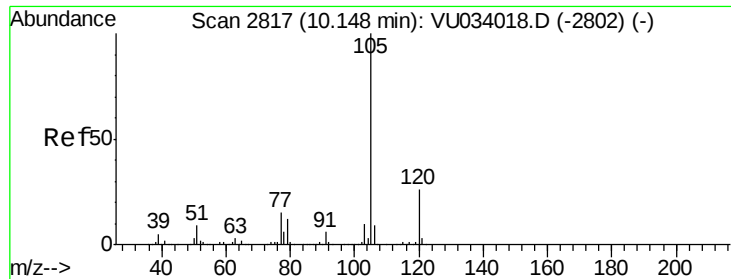


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





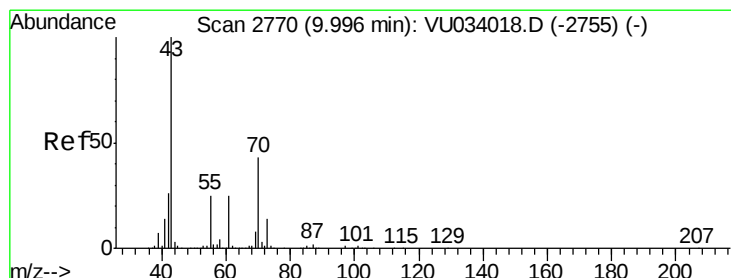
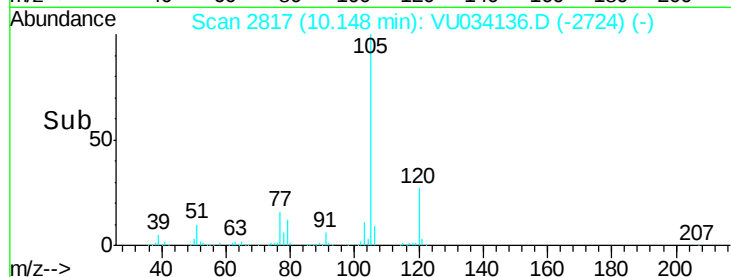
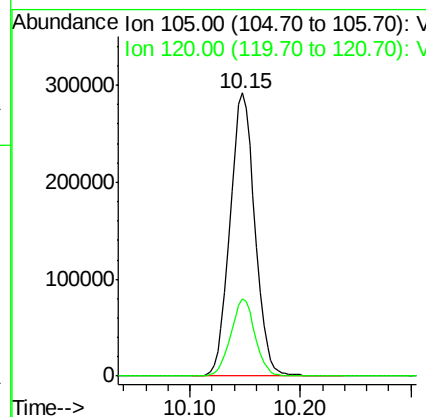
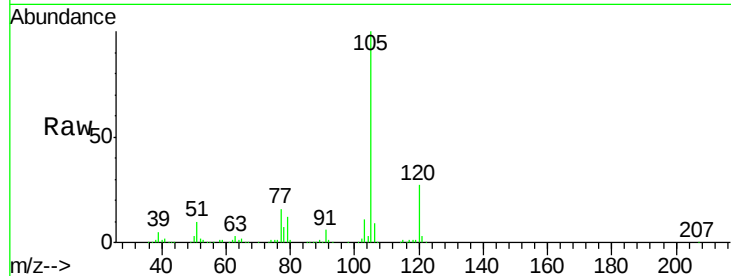
#73
Isopropylbenzene
Concen: 20.408 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	457577		
120	26.7	13.3	39.8	

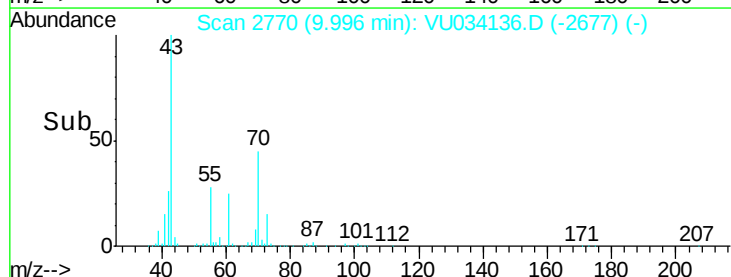
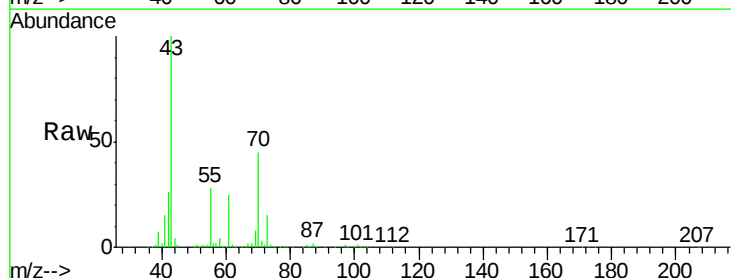
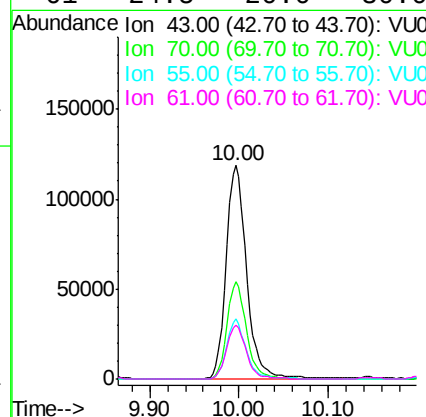
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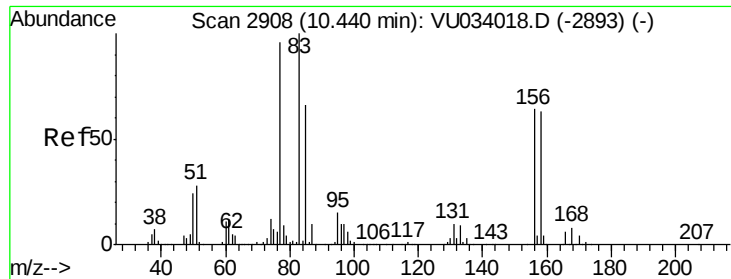
MMDadoda
9/3/2019 11:32:24 AM



#74
N-ethyl acetate
Concen: 20.158 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	190097		
70	43.3	35.2	52.8	
55	26.5	20.5	30.7	
61	24.5	20.0	30.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.068 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

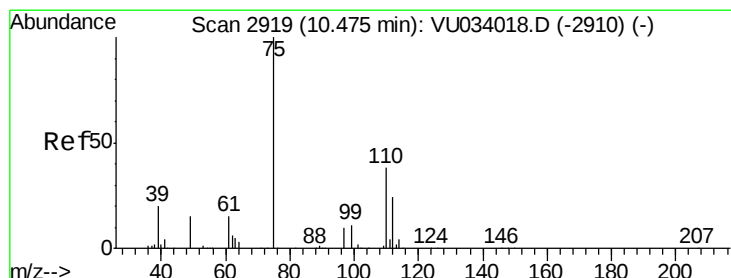
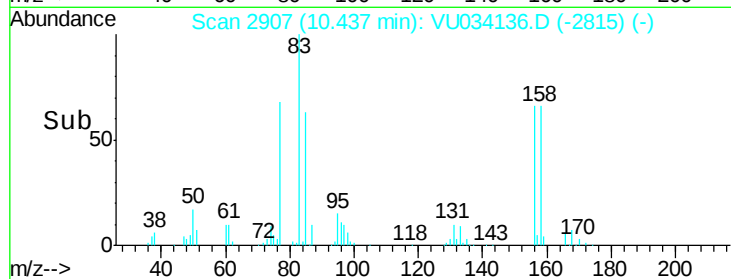
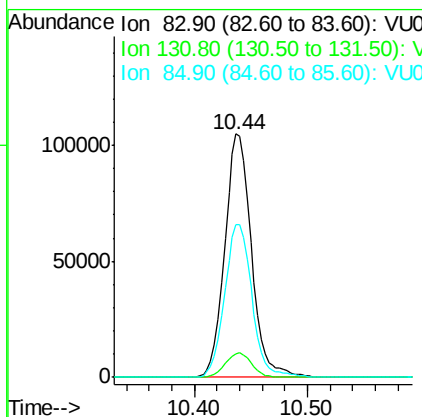
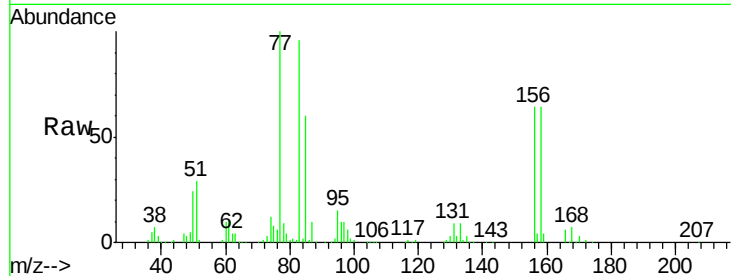
ClientSampled :

VU0902WBSD01

Tot Ion:	83	Resp:	172225
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.6	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 19.714 ug/l m

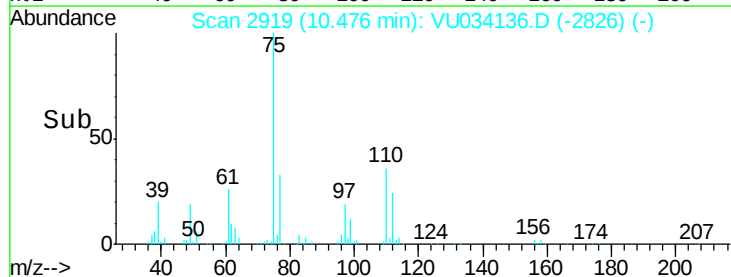
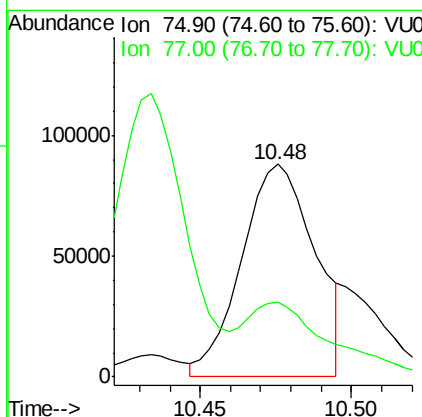
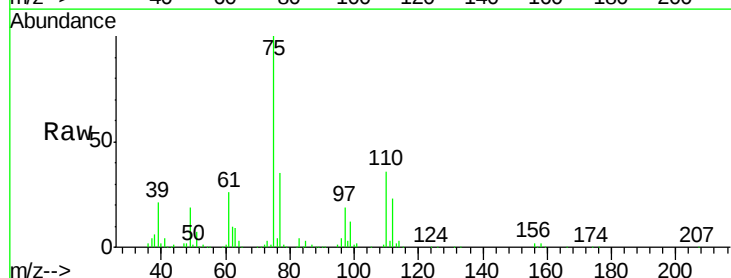
RT: 10.48 min Scan# 2919

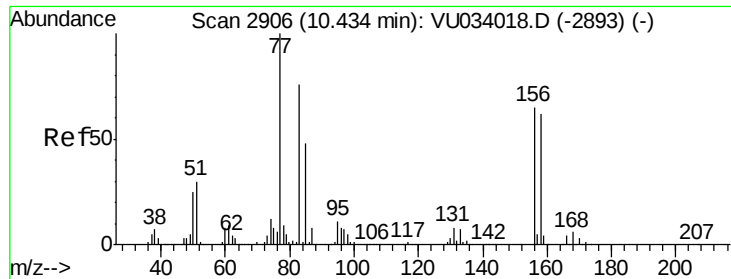
Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion:	75	Resp:	148318
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.1	60.2





#77

Bromobenzene

Concen: 20.392 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

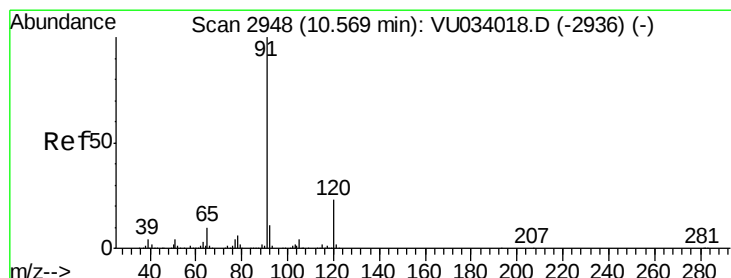
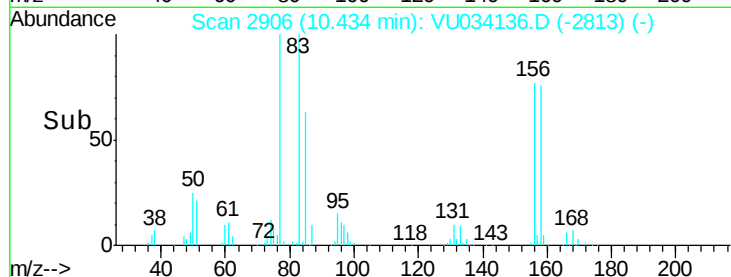
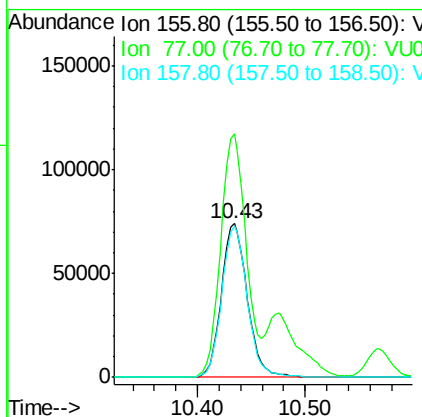
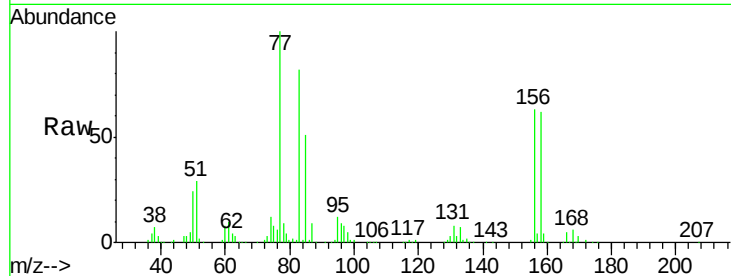
ClientSampleId :

VU0902WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		122996		
77	157.1	76.8	230.5		
158	97.4	48.4	145.0		

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#78

n-propylbenzene

Concen: 20.484 ug/l

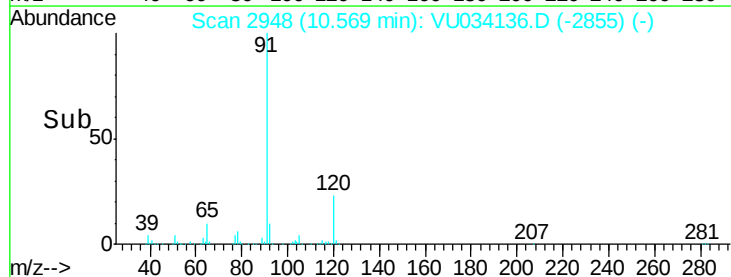
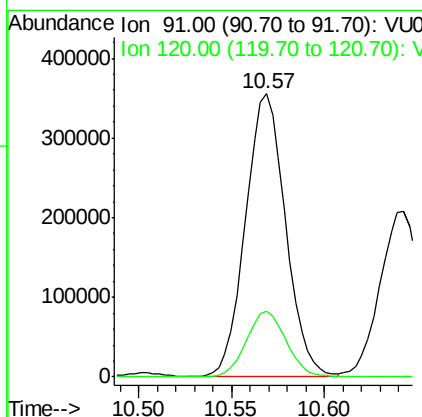
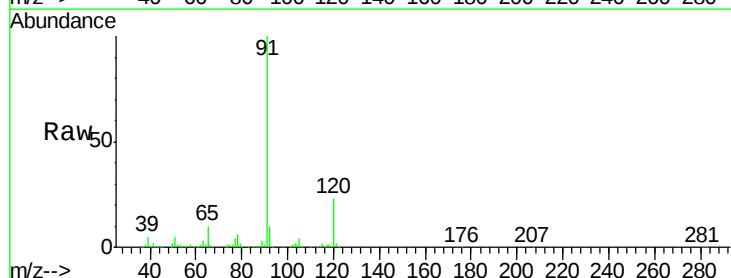
RT: 10.57 min Scan# 2948

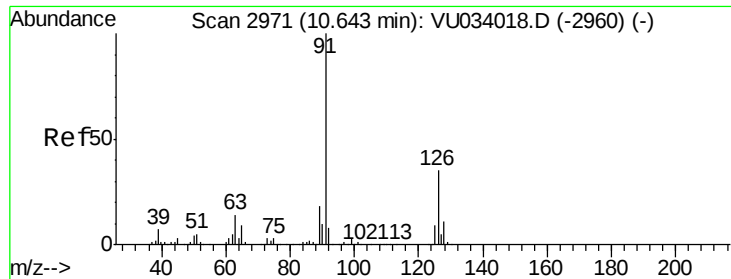
Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		534892		
120	23.2	11.7	35.0		





#79

2-Chlorotoluene

Concen: 20.964 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tot Ion: 91 Resp: 328346

Ion Ratio Lower Upper

91 100

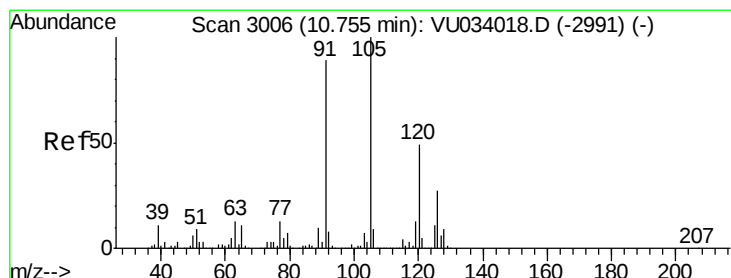
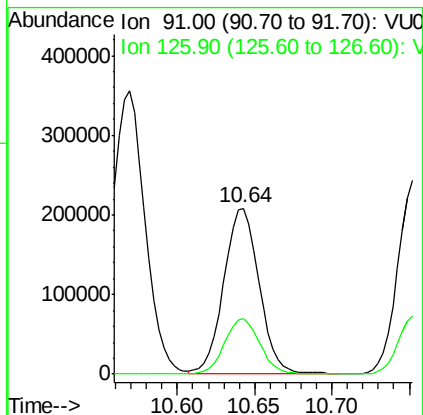
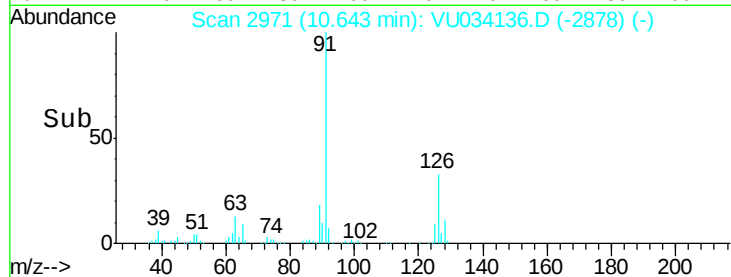
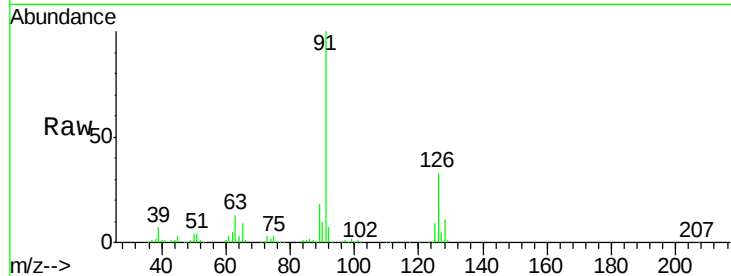
126 33.5 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 21.035 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034136.D

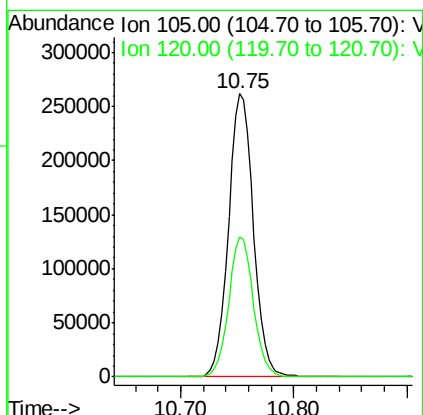
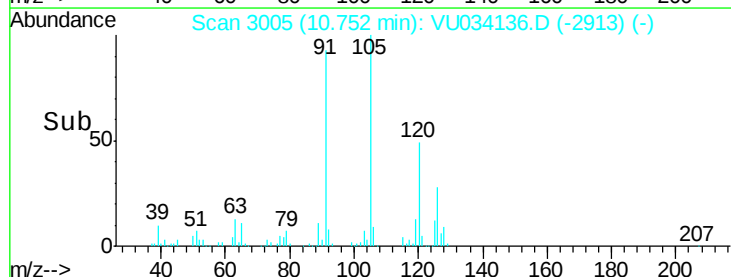
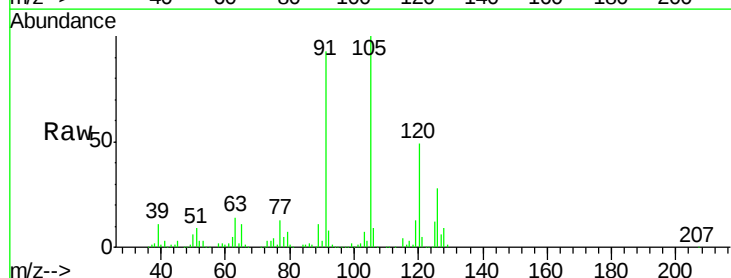
Acq: 31 Aug 2019 21:30

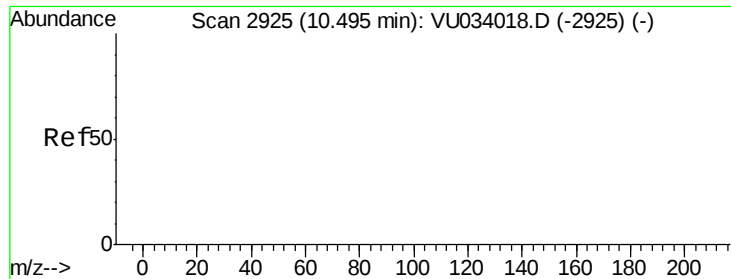
Tgt Ion: 105 Resp: 399747

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





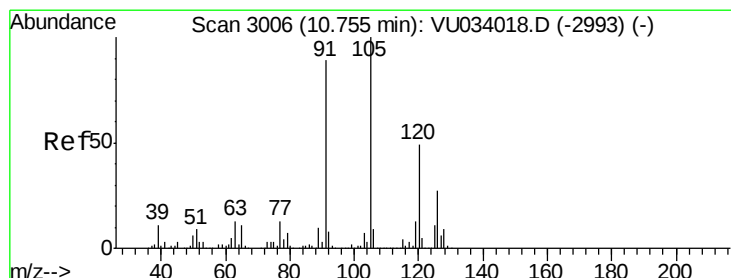
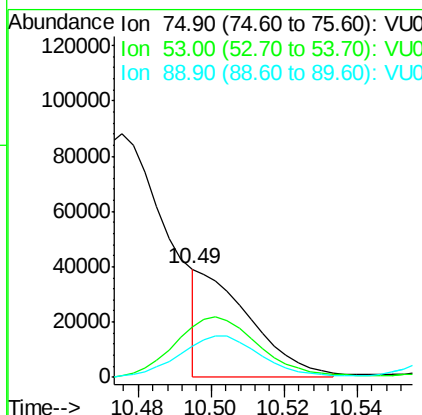
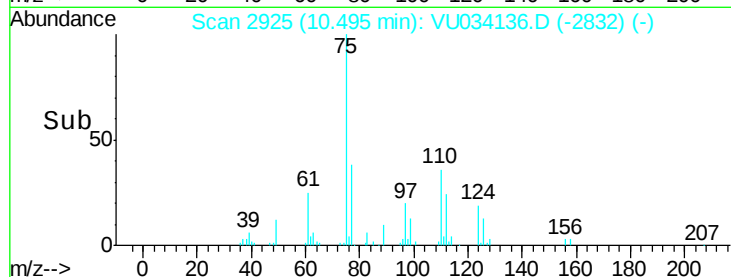
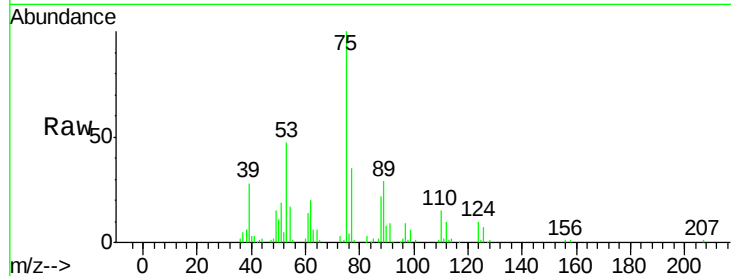
#81
trans-1,4-Dichloro-2-butene
Concen: 17.061 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

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

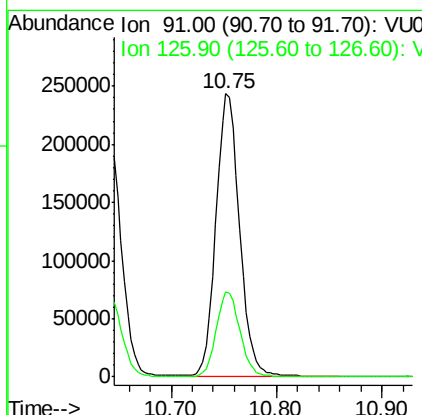
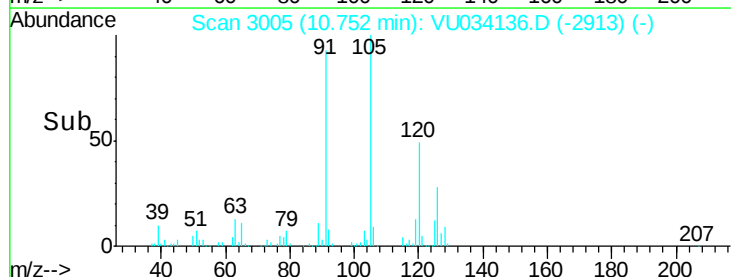
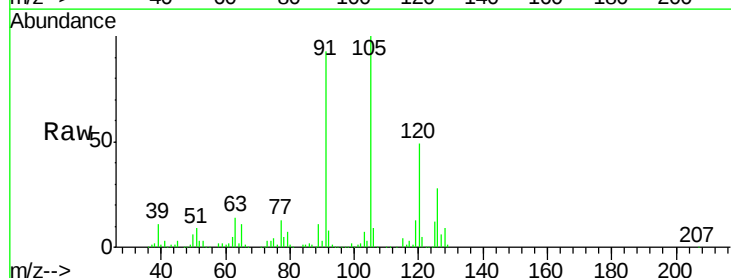
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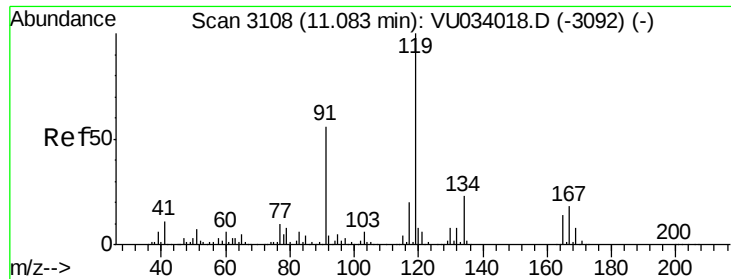
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#82
4-Chlorotoluene
Concen: 20.913 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.0	45.1





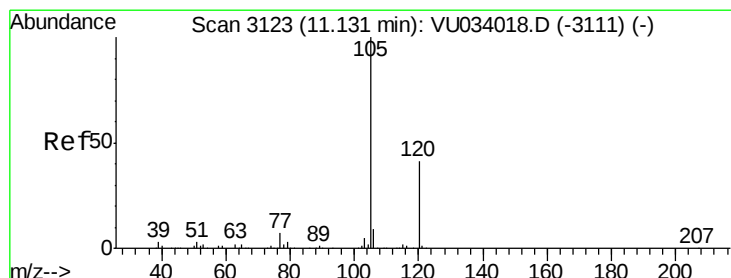
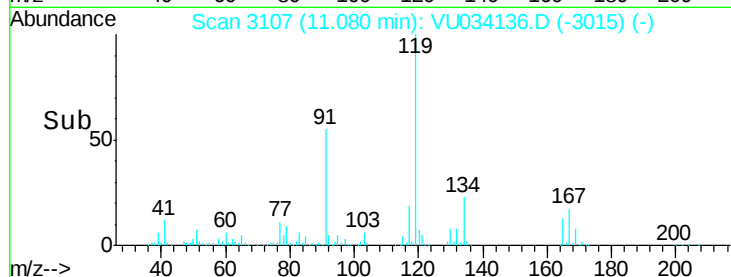
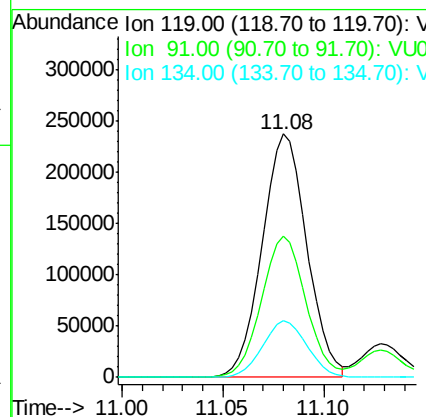
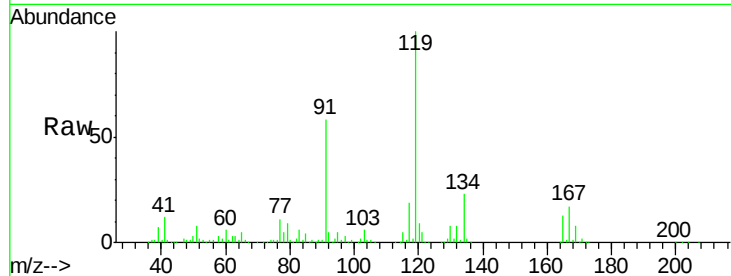
#83
 tert-Butylbenzene
 Concen: 19.613 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	366915		
91	57.5		27.9	83.6
134	23.3		11.4	34.2

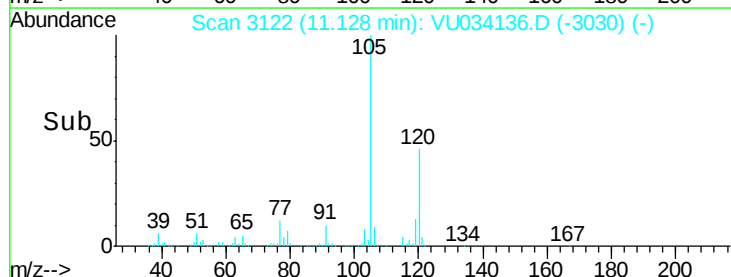
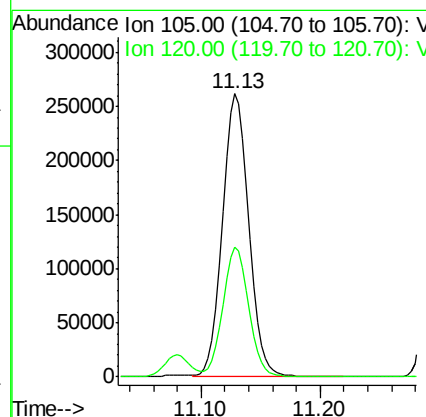
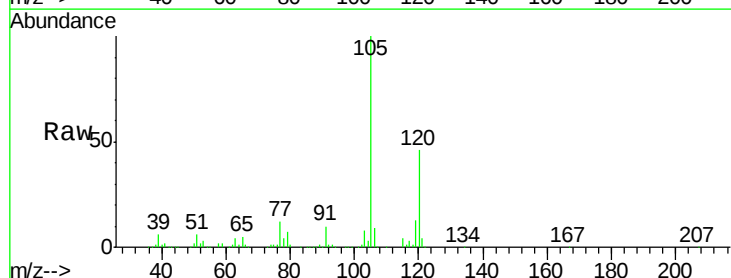
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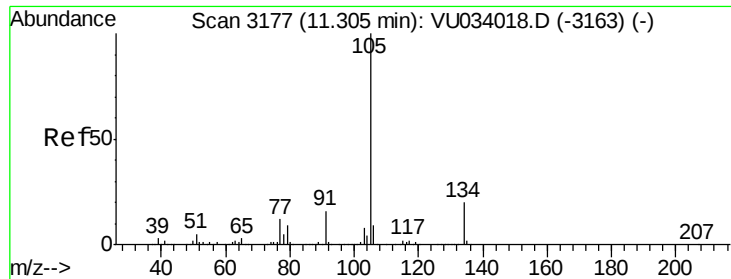
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.134 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398819		
120	45.4		22.6	67.8





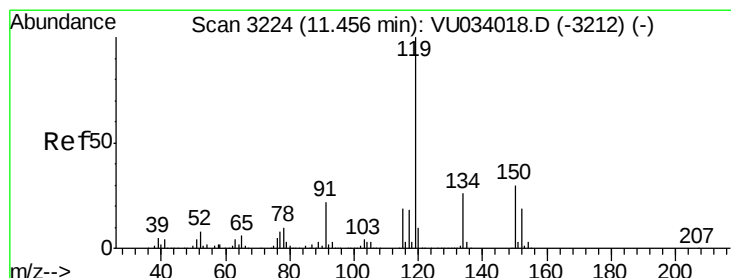
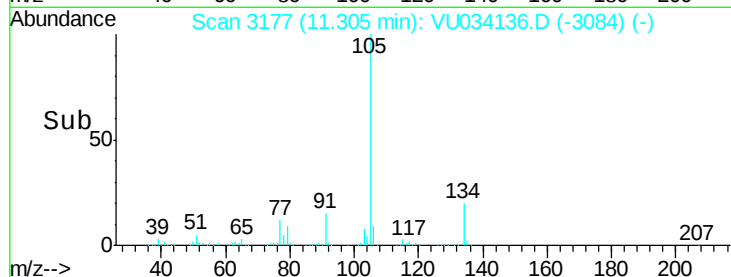
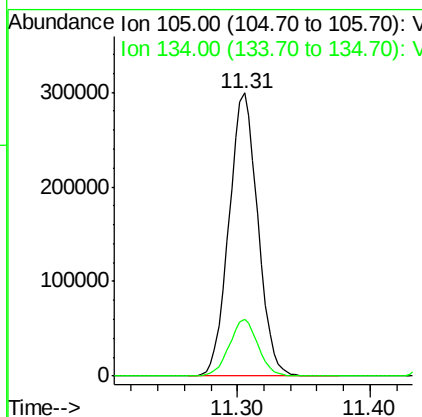
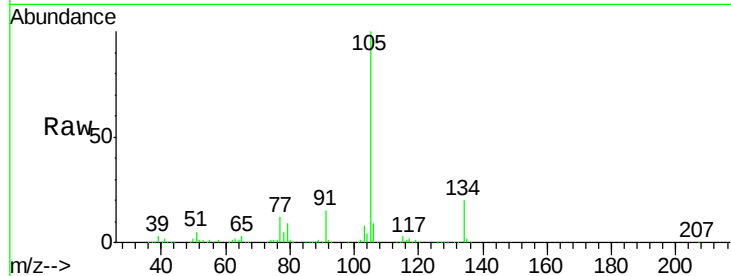
#85
 sec-Butylbenzene
 Concen: 20.119 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	451118		
134	20.0	10.0	30.0	

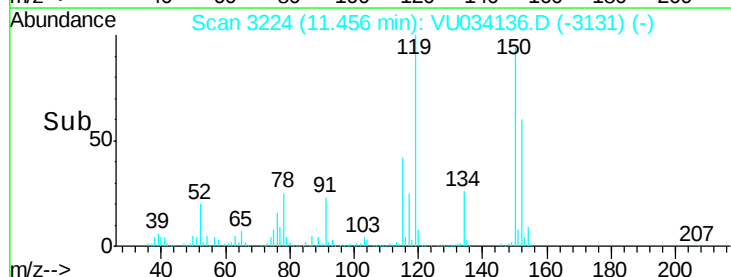
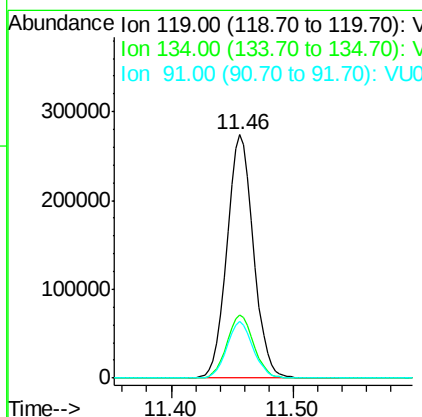
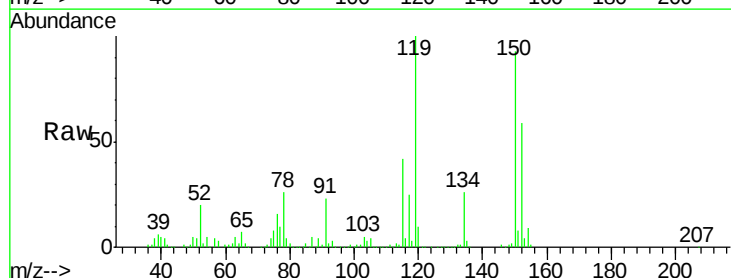
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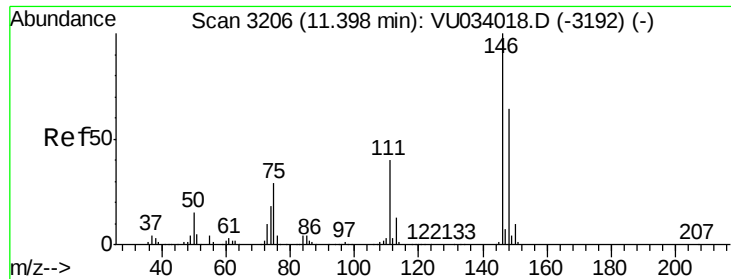
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#86
 p-Isopropyltoluene
 Concen: 20.446 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	414627		
134	26.7	13.1	39.1	
91	23.3	11.2	33.6	





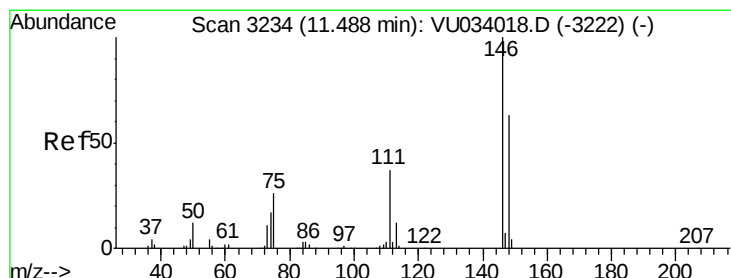
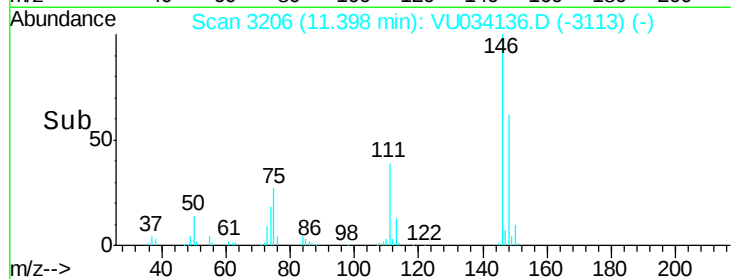
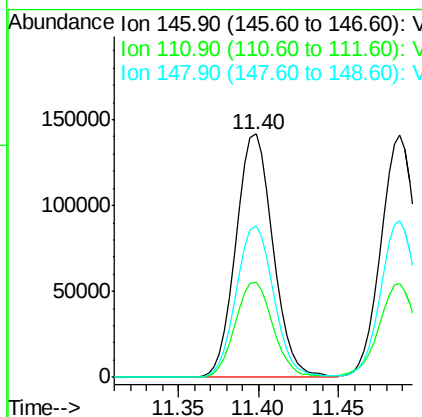
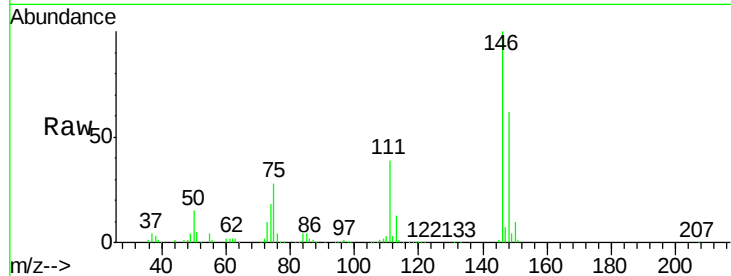
#87
 1,3-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	62.9	31.9	95.5

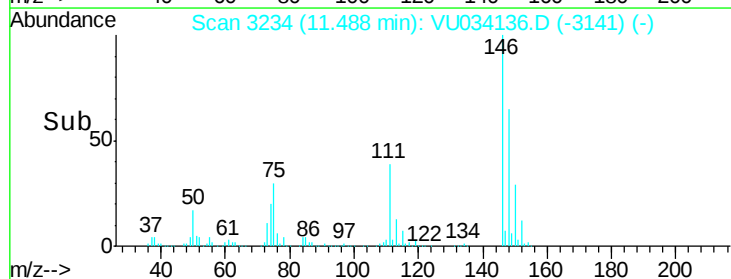
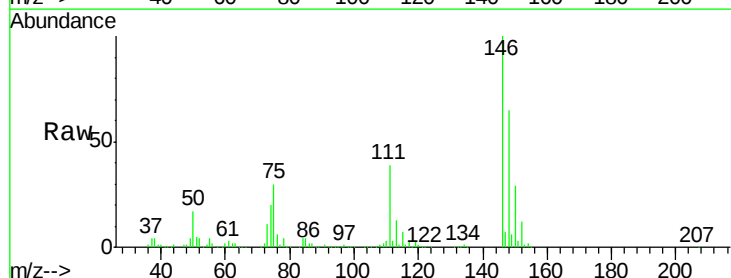
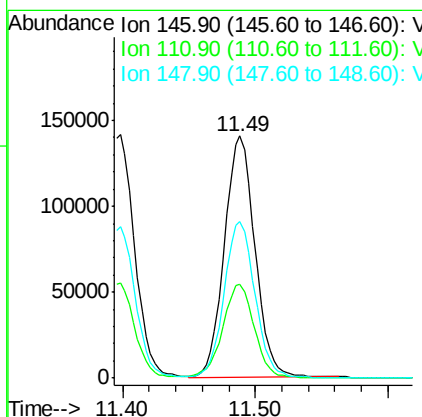
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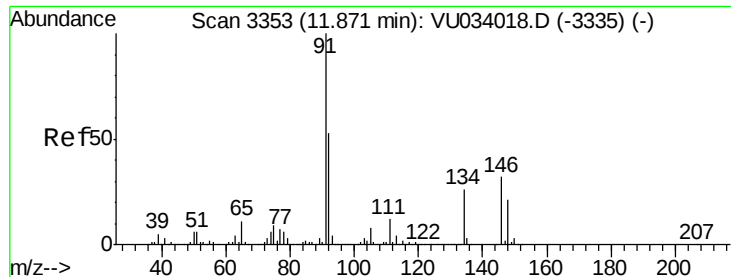
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#88
 1,4-Dichlorobenzene
 Concen: 20.839 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.2	57.6
148	65.2	31.9	95.9





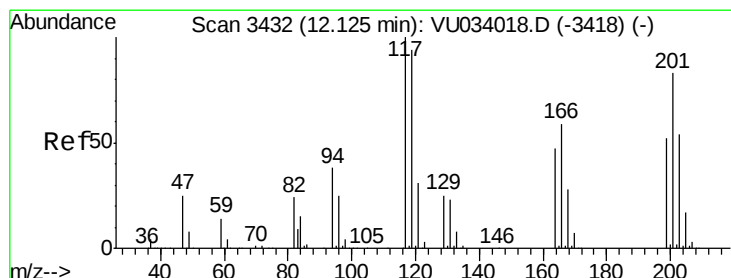
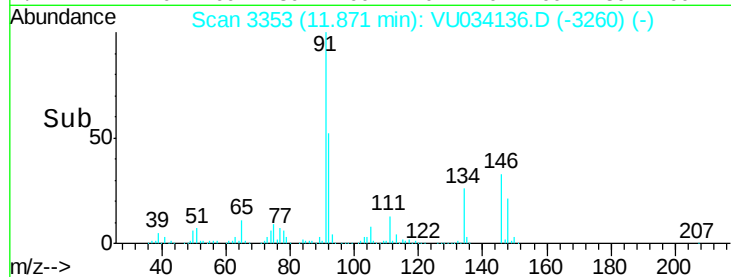
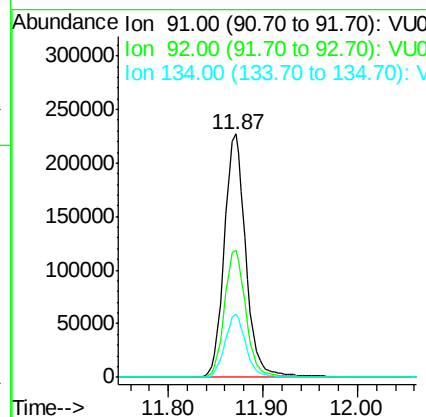
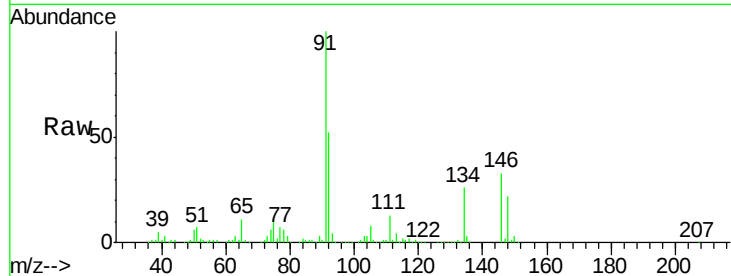
#89
n-Butylbenzene
Concen: 20.077 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	25.4	12.9	38.7

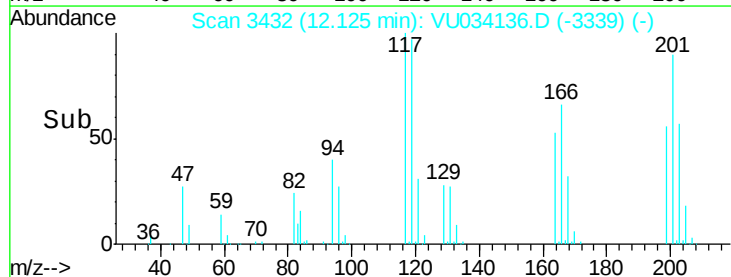
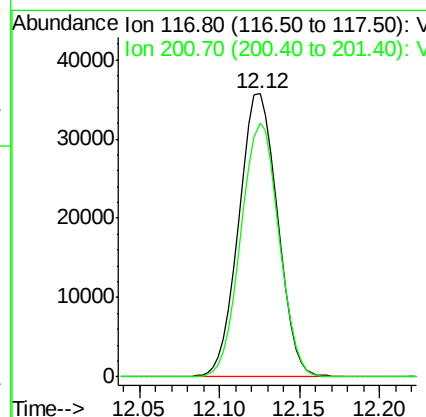
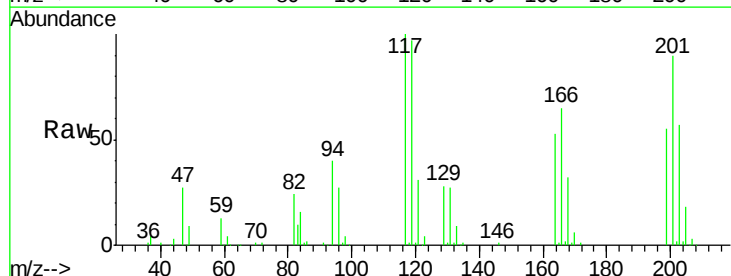
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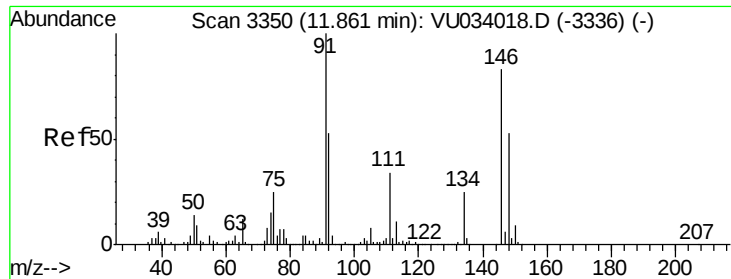
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9/3/2019 11:32:24 AM



#90
Hexachloroethane
Concen: 16.799 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	42.5	127.6





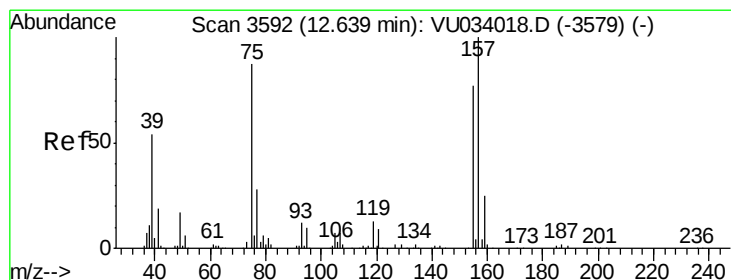
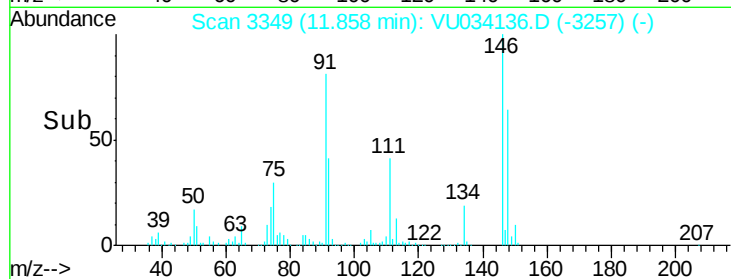
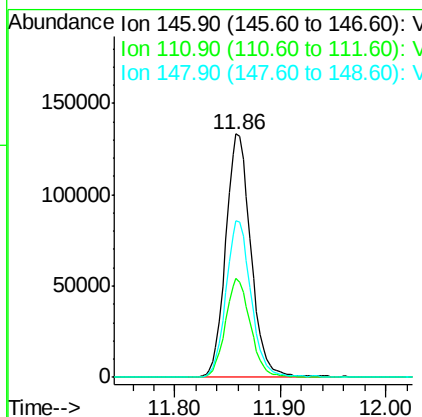
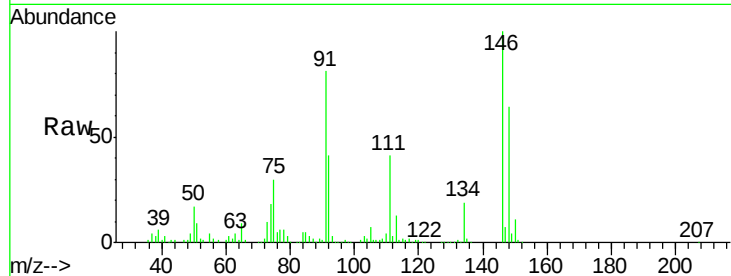
#91
 1,2-Dichlorobenzene
 Concen: 21.542 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220348		
111	40.4		20.4	61.2
148	63.8		32.3	96.8

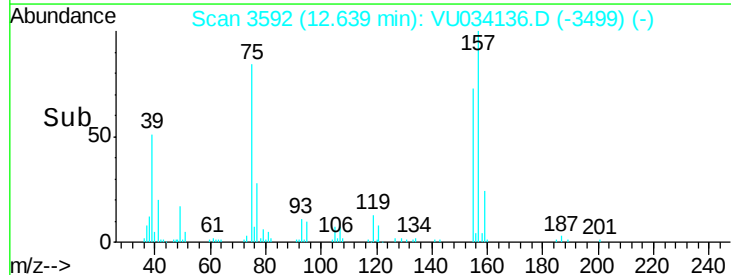
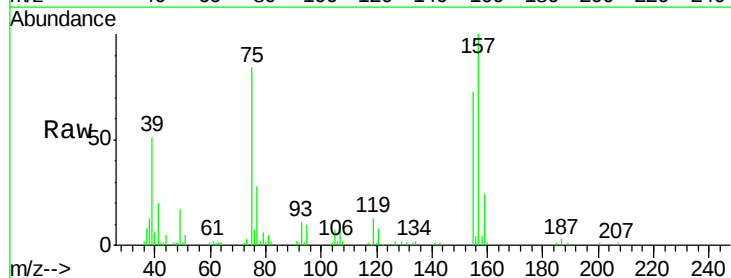
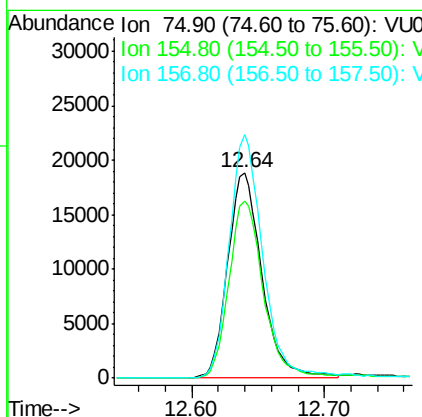
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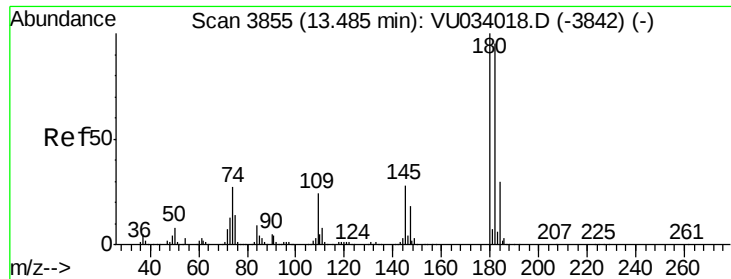
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.818 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33883		
155	86.9		43.5	130.7
157	115.2		56.9	170.6





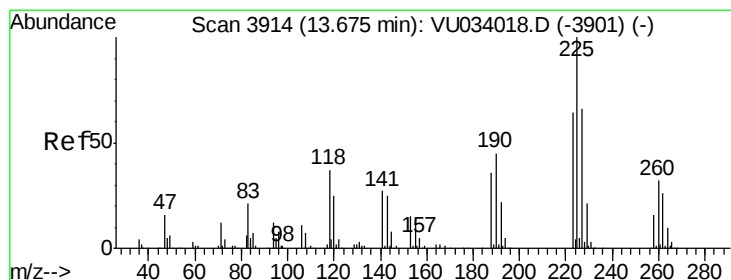
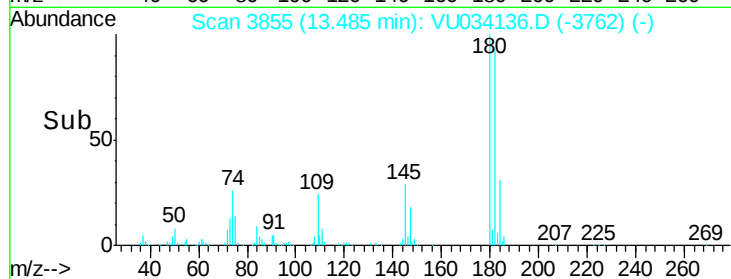
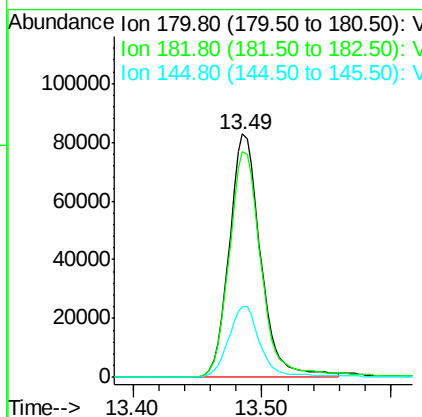
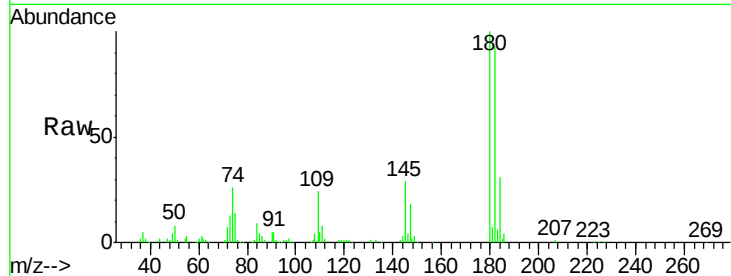
#93
 1,2,4-Trichlorobenzene
 Concen: 19.904 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139825		
182	96.2	47.4	142.2	
145	28.5	14.1	42.3	

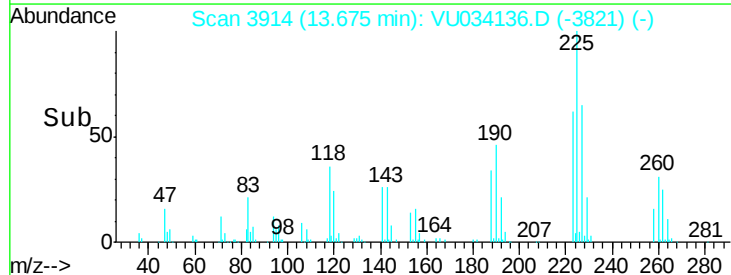
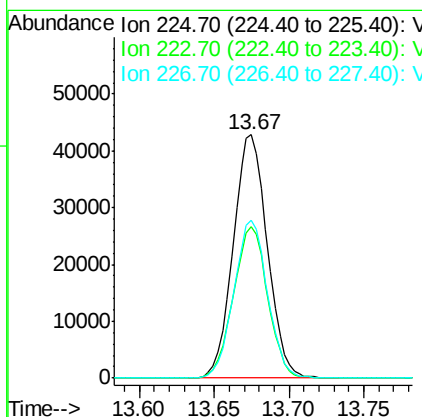
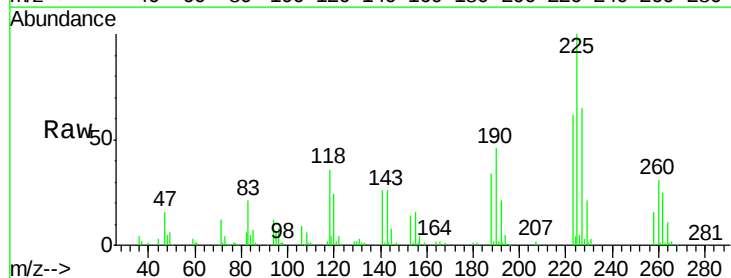
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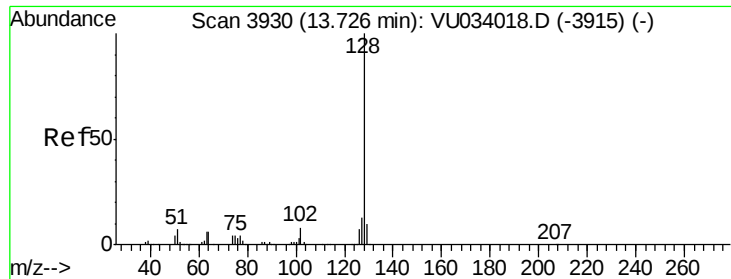
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#94
 Hexachlorobutadiene
 Concen: 16.936 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67769		
223	62.5	31.8	95.3	
227	64.1	32.6	97.8	





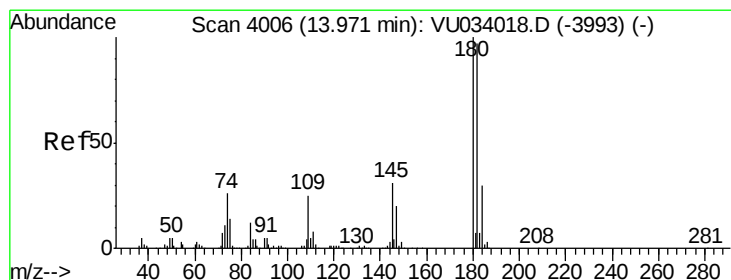
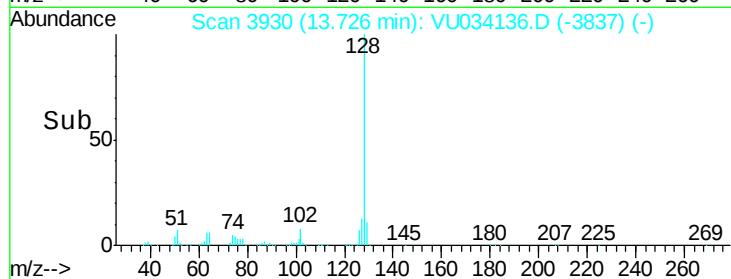
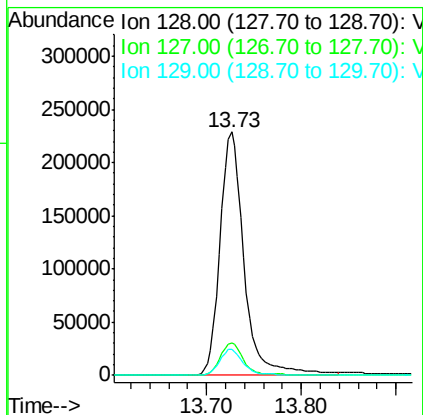
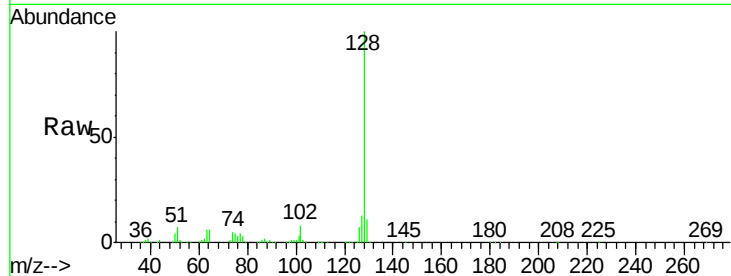
#95
Naphthalene
Concen: 20.609 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.3	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.211 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.2	144.6
145	30.0	15.5	46.5

