

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034096.D
 Acq On : 30 Aug 2019 14:21
 Operator : JC/SP
 Sample : VU0831WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:42 AM

Quant Time: Aug 30 19:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	434344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	677198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	653758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	351671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	267467	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	4.86	113	225612	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	7.55	98	862507	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	10.29	95	320672	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	88031	20.152	ug/l 98
3) Chloromethane	1.32	50	106632	16.894	ug/l 98
4) Vinyl Chloride	1.40	62	112657	19.377	ug/l 99
5) Bromomethane	1.62	94	49322	13.368	ug/l 100
6) Chloroethane	1.69	64	70061	19.711	ug/l 98
7) Trichlorofluoromethane	1.88	101	133008	19.744	ug/l 98
8) Diethyl Ether	2.09	74	59011	20.477	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	85450	20.023	ug/l 99
10) Methyl Iodide	2.40	142	39225	6.479	ug/l 100
11) Tert butyl alcohol	2.81	59	112284	87.488	ug/l 99
12) 1,1-Dichloroethene	2.27	96	87975	20.232	ug/l 99
13) Acrolein	2.18	56	39180	72.569	ug/l 94
14) Allyl chloride	2.58	41	139910	17.114	ug/l 91
15) Acrylonitrile	2.92	53	290386	98.602	ug/l 99
16) Acetone	2.31	43	246131	86.674	ug/l 100
17) Carbon Disulfide	2.46	76	253531	18.423	ug/l 100
18) Methyl Acetate	2.60	43	135062	18.405	ug/l 100
19) Methyl tert-butyl Ether	2.98	73	295323	20.729	ug/l 99
20) Methylene Chloride	2.68	84	104124	19.369	ug/l 99
21) trans-1,2-Dichloroethene	2.97	96	92008	19.497	ug/l 95
22) Diisopropyl ether	3.55	45	308791	20.613	ug/l 94
23) Vinyl Acetate	3.50	43	1302044	101.178	ug/l 100
24) 1,1-Dichloroethane	3.43	63	180829	20.445	ug/l 100
25) 2-Butanone	4.24	43	385161	97.489	ug/l 99
26) 2,2-Dichloropropane	4.20	77	134457	18.683	ug/l 99
27) cis-1,2-Dichloroethene	4.21	96	106412	20.090	ug/l 98
28) Bromochloromethane	4.52	49	83684	19.205	ug/l 100
29) Tetrahydrofuran	4.61	42	244490	100.346	ug/l 99
30) Chloroform	4.65	83	176666	20.020	ug/l 99
31) Cyclohexane	4.97	56	161417	19.423	ug/l 95
32) 1,1,1-Trichloroethane	4.89	97	144873	20.046	ug/l 99
36) 1,1-Dichloropropene	5.12	75	127419	19.892	ug/l 100
37) Ethyl Acetate	4.36	43	143103	19.950	ug/l 99
38) Carbon Tetrachloride	5.11	117	122631	19.834	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	149242	19.768	ug/l	99
40) Benzene	5.37	78	397205	20.496	ug/l	99
41) Methacrylonitrile	4.52	41	73386	19.949	ug/l	98
42) 1,2-Dichloroethane	5.38	62	137614	20.563	ug/l	99
43) Isopropyl Acetate	5.53	43	217164	19.900	ug/l	99
44) Trichloroethene	6.17	130	103236	20.285	ug/l	98
45) 1,2-Dichloropropane	6.41	63	108254	20.292	ug/l	99
46) Dibromomethane	6.54	93	70044	20.379	ug/l	99
47) Bromodichloromethane	6.74	83	135644	20.172	ug/l	98
48) Methyl methacrylate	6.60	41	100907	19.163	ug/l	97
49) 1,4-Dioxane	6.59	88	44159	334.692	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	732444	97.189	ug/l	100
52) Toluene	7.62	92	249037	20.860	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	142760	19.133	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	163097	20.008	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	99668	19.737	ug/l	99
56) Ethyl methacrylate	8.00	69	144191	17.851	ug/l	99
57) 1,3-Dichloropropane	8.22	76	171682	20.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	273442	97.877	ug/l	100
59) 2-Hexanone	8.34	43	550818	96.818	ug/l	99
60) Dibromochloromethane	8.46	129	104710	19.317	ug/l	99
61) 1,2-Dibromoethane	8.57	107	104777	19.697	ug/l	99
64) Tetrachloroethene	8.21	164	89932	20.484	ug/l	98
65) Chlorobenzene	9.10	112	268504	19.958	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95066	19.487	ug/l	99
67) Ethyl Benzene	9.23	91	456022	19.996	ug/l	99
68) m/p-Xylenes	9.36	106	351815	40.571	ug/l	100
69) o-Xylene	9.76	106	166646	20.031	ug/l	99
70) Styrene	9.77	104	291644	20.445	ug/l	100
71) Bromoform	9.94	173	78521	18.525	ug/l #	99
73) Isopropylbenzene	10.15	105	450601	19.076	ug/l	100
74) N-amyl acetate	10.00	43	187533	18.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	168690	18.658	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	141430m	17.844	ug/l	
77) Bromobenzene	10.43	156	117872	18.550	ug/l	97
78) n-propylbenzene	10.57	91	531642	19.326	ug/l	99
79) 2-Chlorotoluene	10.64	91	318532	19.304	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	393465	19.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	46915m	19.931	ug/l	
82) 4-Chlorotoluene	10.75	91	368070	19.396	ug/l	99
83) tert-Butylbenzene	11.08	119	366965	18.619	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	385206	19.376	ug/l	99
85) sec-Butylbenzene	11.31	105	445729	18.869	ug/l	100
86) p-Isopropyltoluene	11.46	119	413782	19.368	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	217284	19.315	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	218100	19.171	ug/l	98
89) n-Butylbenzene	11.87	91	365212	19.389	ug/l	99
90) Hexachloroethane	12.13	117	59951	16.230	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	211860	19.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32886	18.258	ug/l	99

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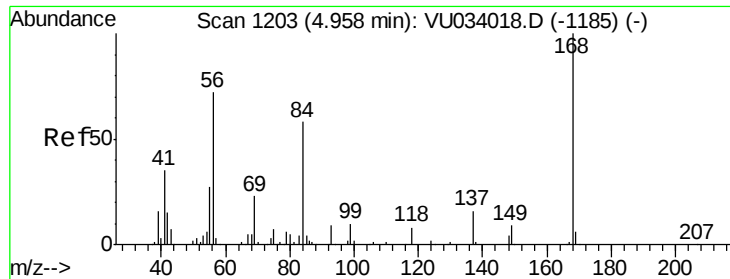
Manual Integrations
APPROVED

MMDadoda
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Quant Time: Aug 30 19:27:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	137575	18.663	ug/l	98
94) Hexachlorobutadiene	13.67	225	69708	16.536	ug/l	98
95) Naphthalene	13.73	128	384348	18.673	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	140924	20.415	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion:168 Resp: 434344

Ion Ratio Lower Upper

168 100

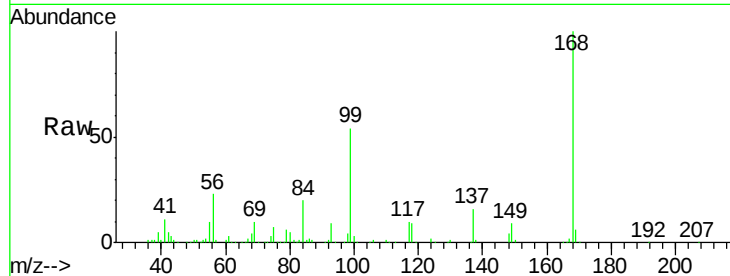
99 54.1 42.3 63.5

Manual Integrations

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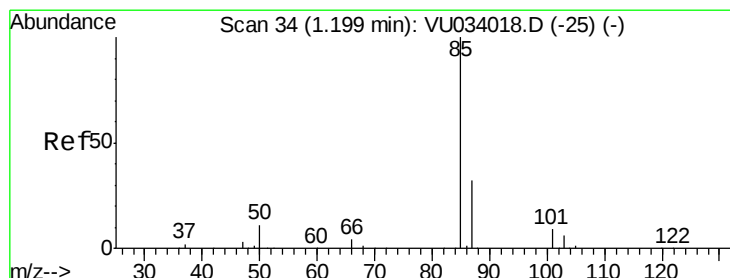
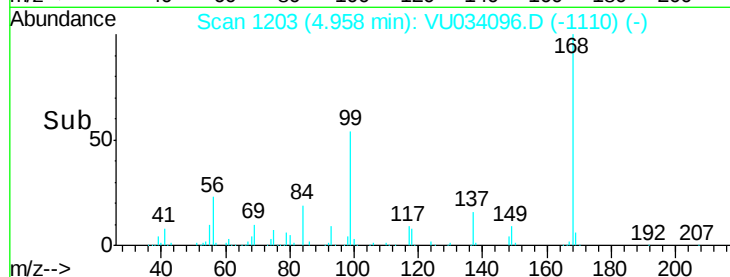
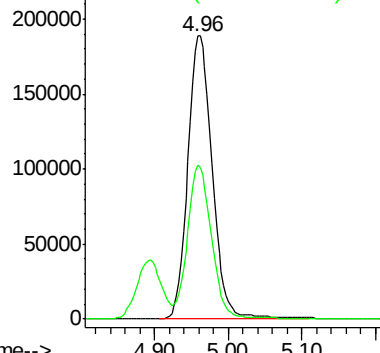
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 20.152 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034096.D

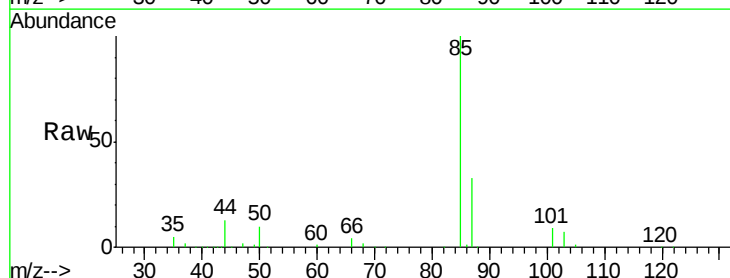
Acq: 30 Aug 2019 14:21

Tgt Ion: 85 Resp: 88031

Ion Ratio Lower Upper

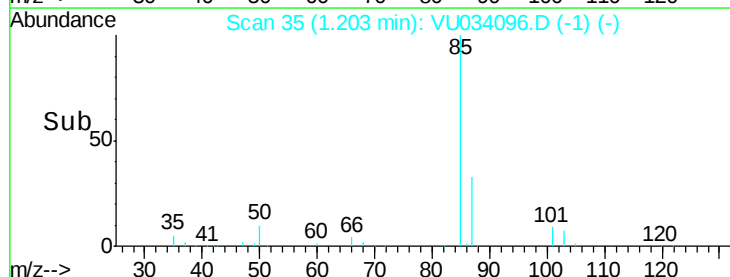
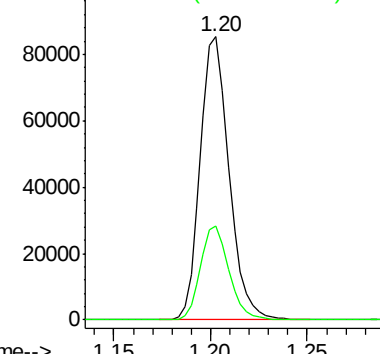
85 100

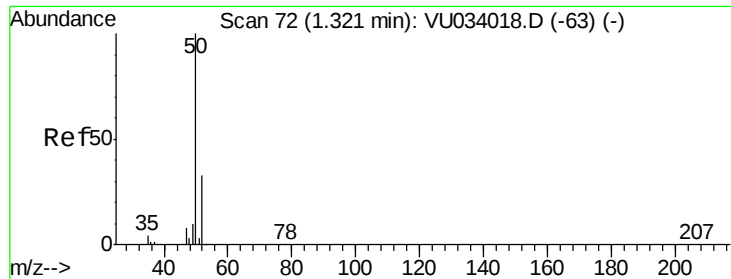
87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 16.894 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 50 Resp: 106632

Ion Ratio Lower Upper

50 100

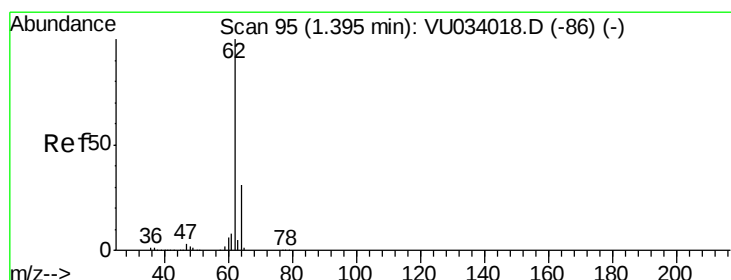
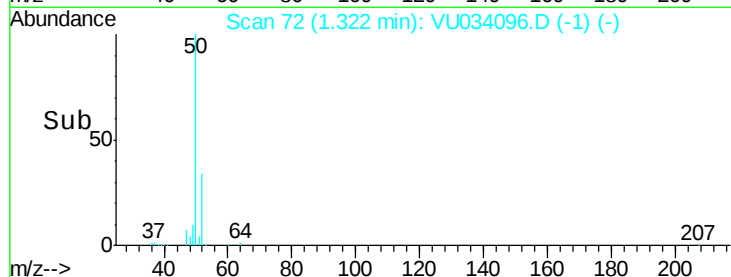
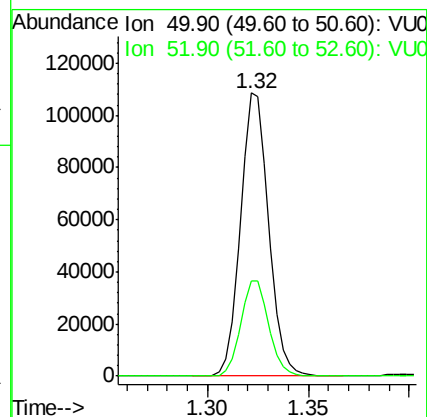
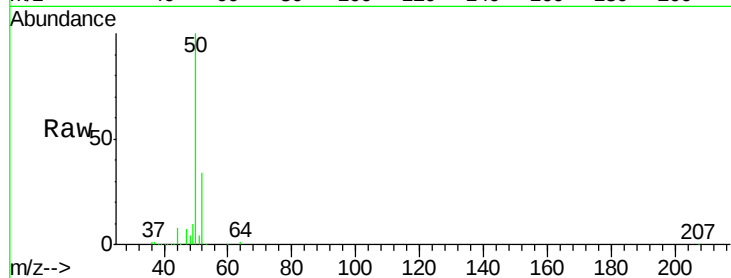
52 33.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.377 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034096.D

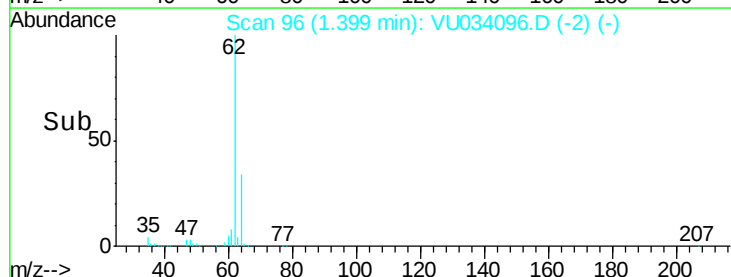
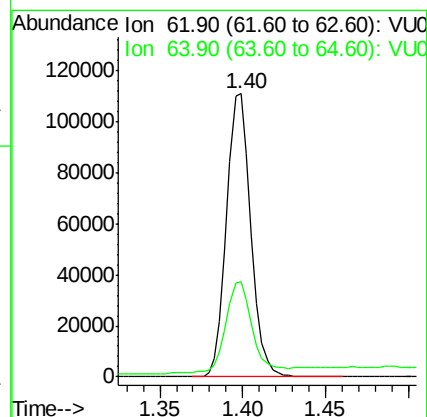
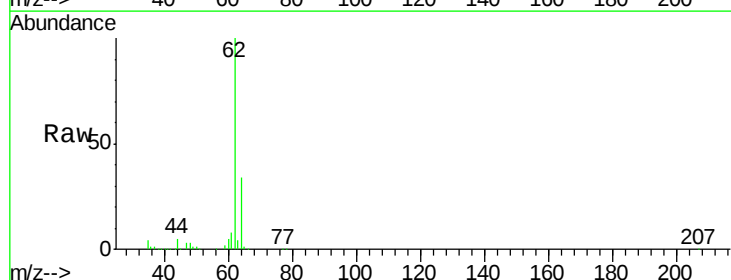
Acq: 30 Aug 2019 14:21

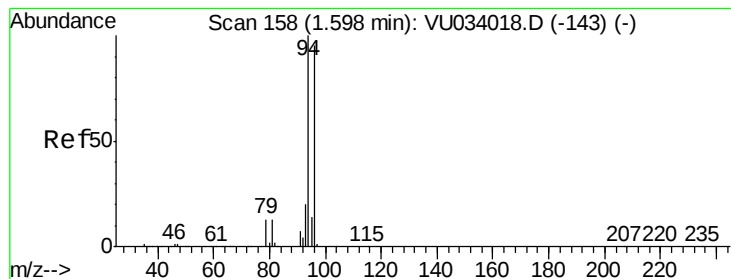
Tgt Ion: 62 Resp: 112657

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 13.368 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 94 Resp: 49322

Ion Ratio Lower Upper

94 100

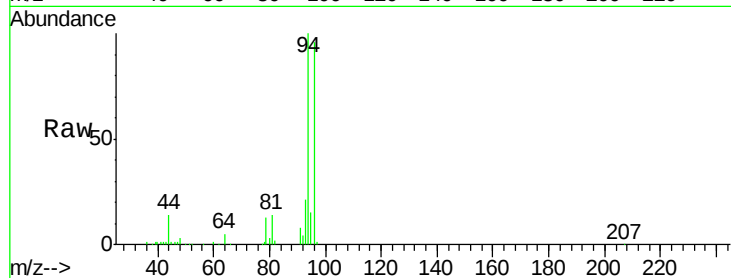
96 95.3 76.3 114.5

Manual Integrations

APPROVED

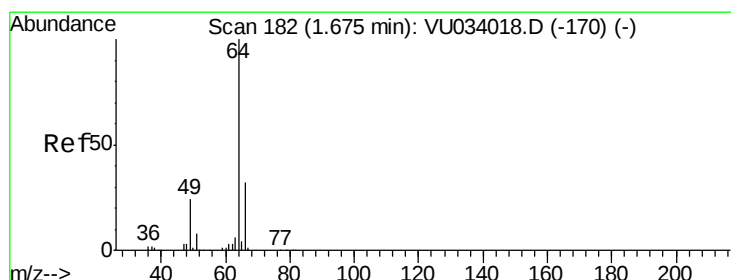
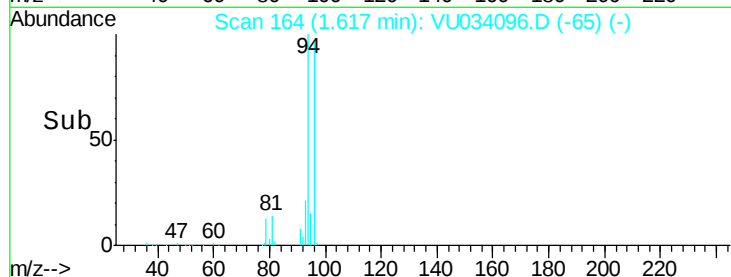
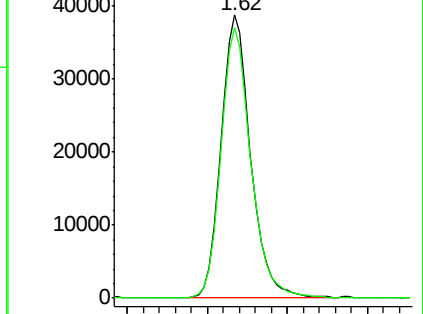
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Abundance Ion 93.90 (93.60 to 94.60): VU034096.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034096.D (-65) (-)



#6

Chloroethane

Concen: 19.711 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034096.D

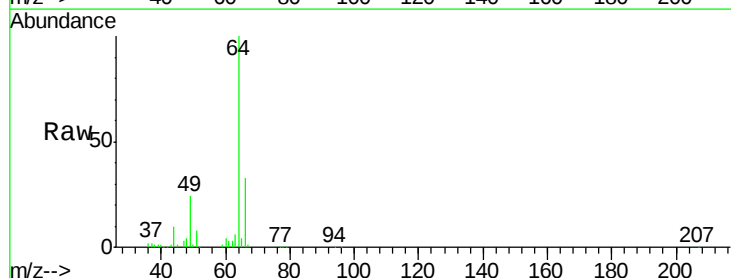
Acq: 30 Aug 2019 14:21

Tgt Ion: 64 Resp: 70061

Ion Ratio Lower Upper

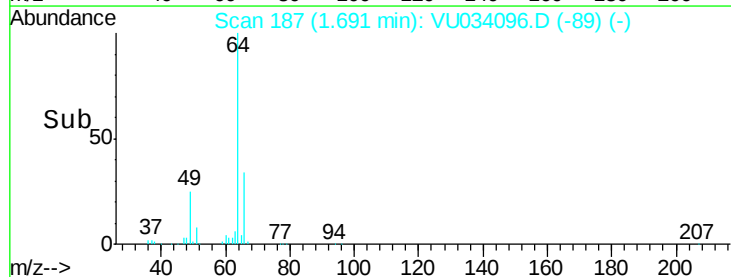
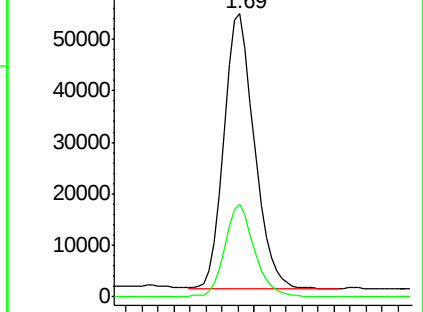
64 100

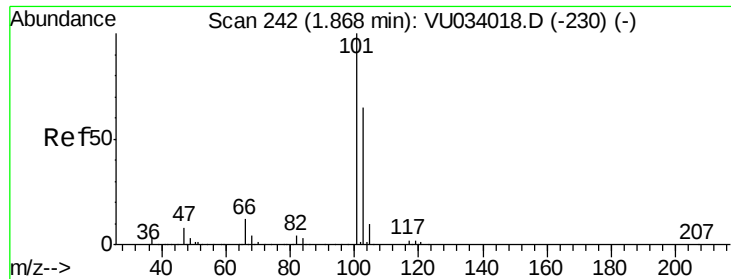
66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034096.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034096.D (-89) (-)





#7

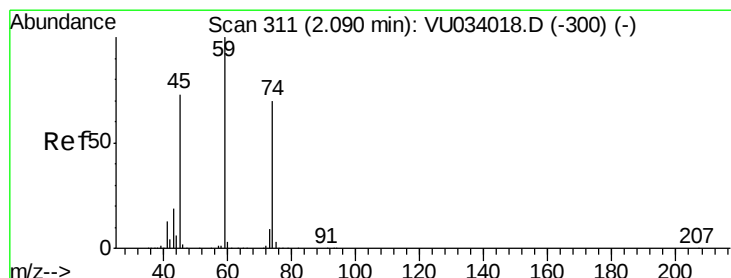
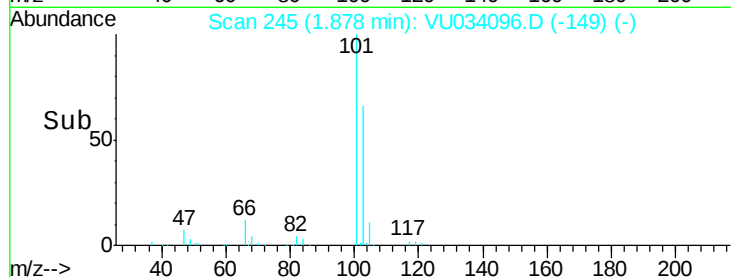
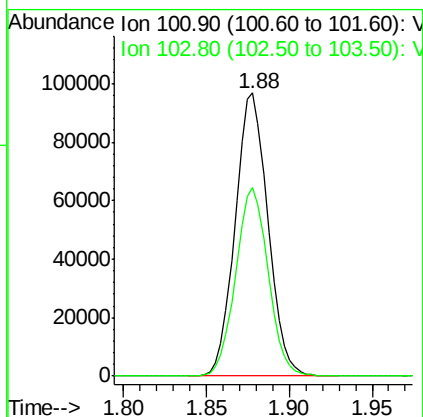
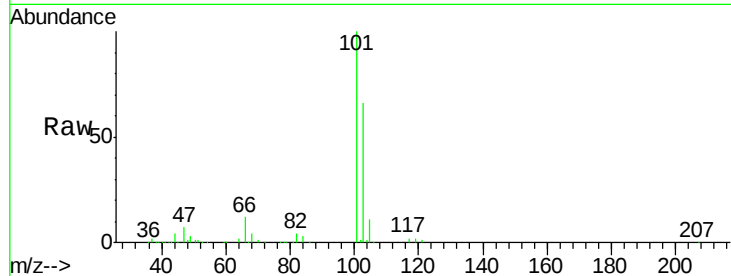
Trichlorofluoromethane
Concen: 19.744 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.1	78.1

Manual Integrations
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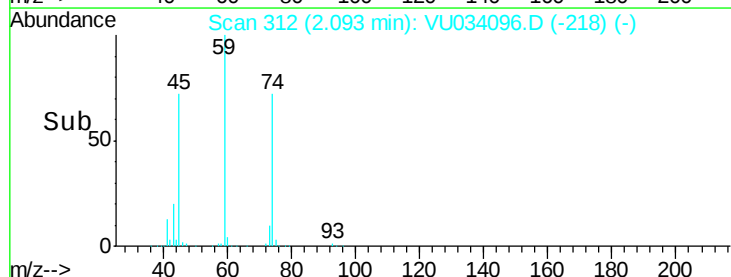
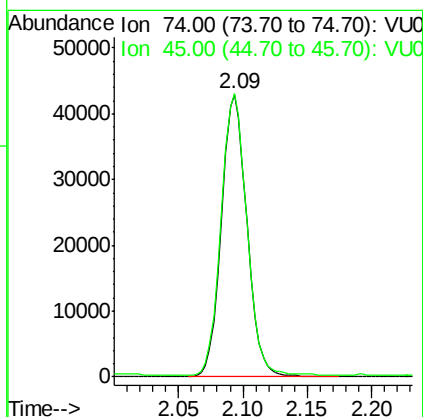
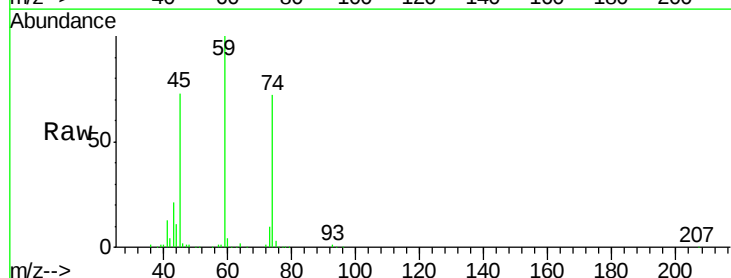
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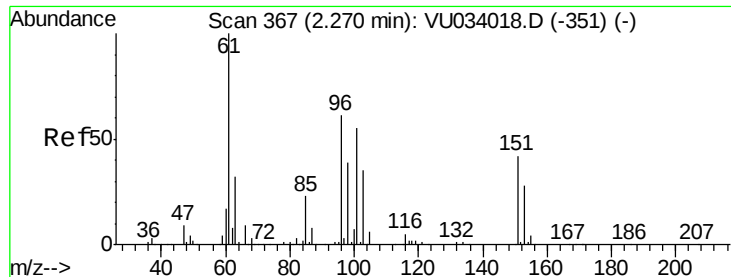


#8

Diethyl Ether
Concen: 20.477 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.023 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

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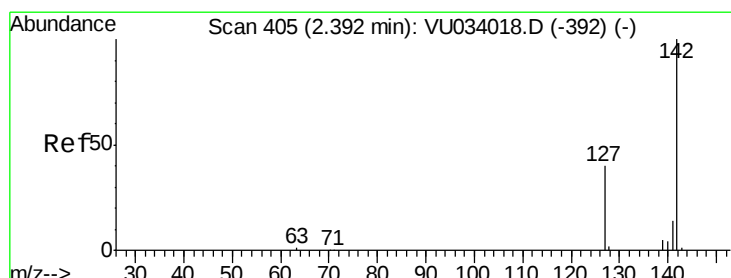
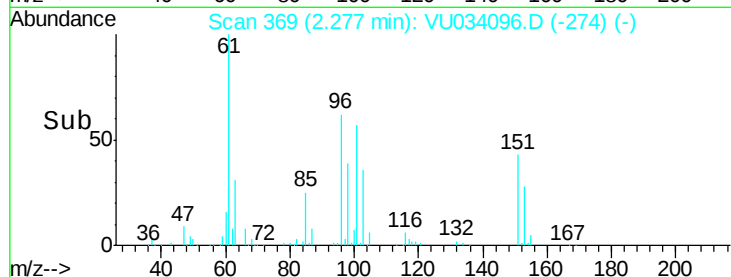
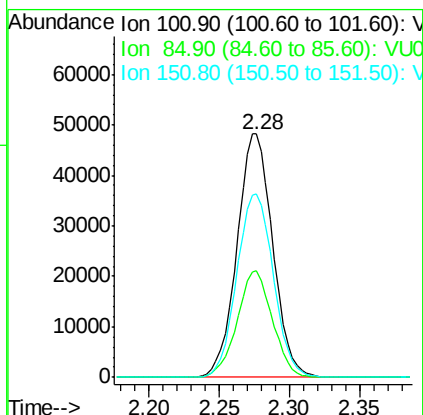
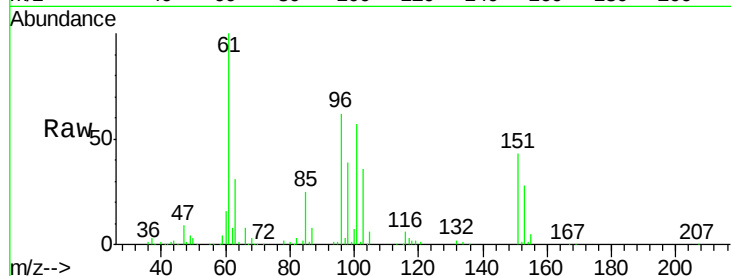
ClientSampleId :

VU0831WBSD01

Tot Ion:	101	Resp:	85450
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.2
151	77.5	61.4	92.2

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#10

Methyl Iodide

Concen: 6.479 ug/l

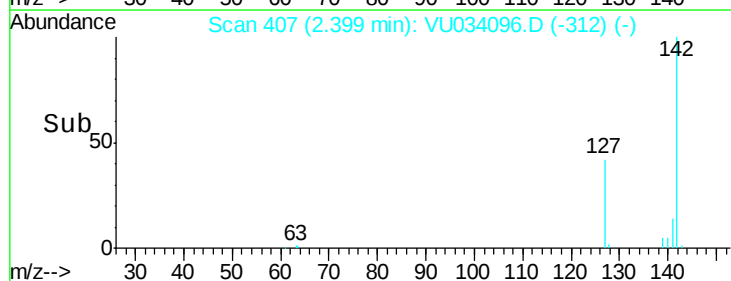
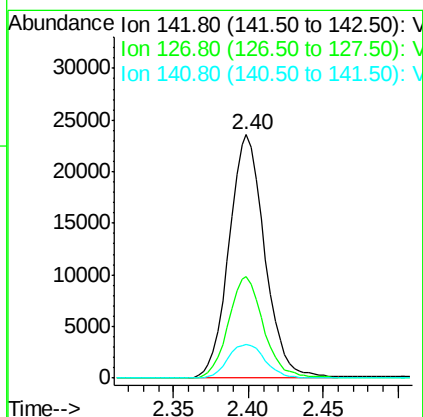
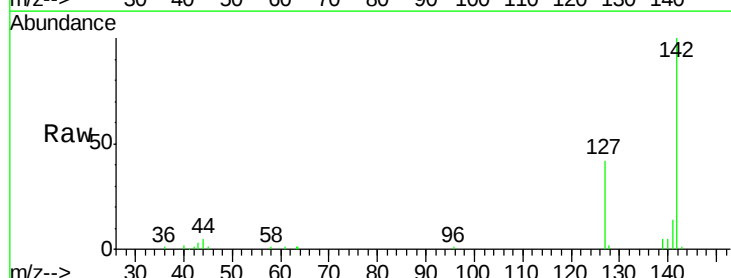
RT: 2.40 min Scan# 407

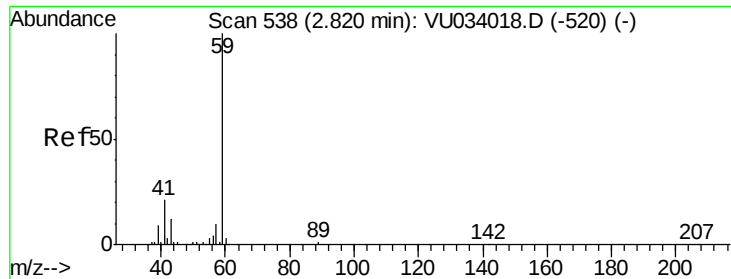
Delta R.T. 0.01 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	142	Resp:	39225
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.6	48.8
141	14.3	11.3	16.9





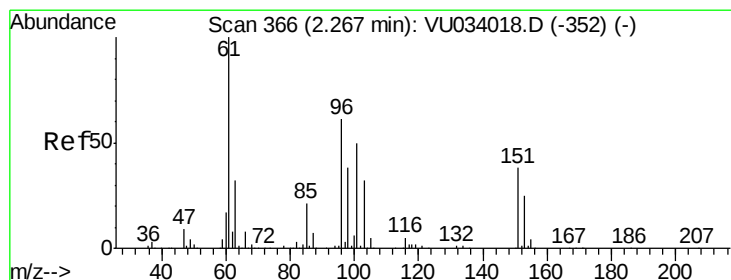
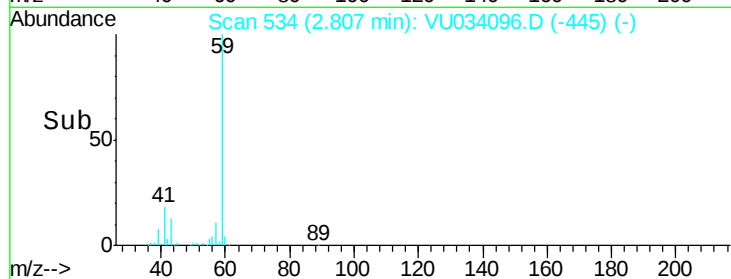
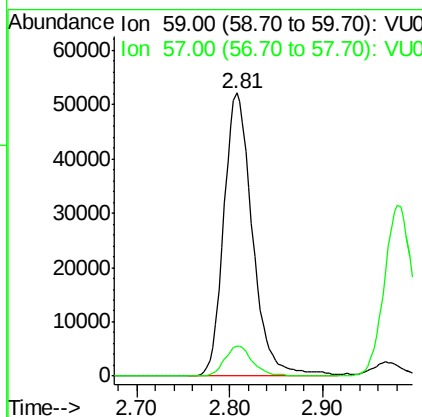
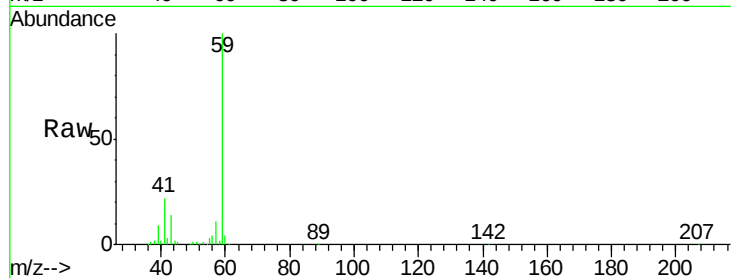
#11
Tert butyl alcohol
Concen: 87.488 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

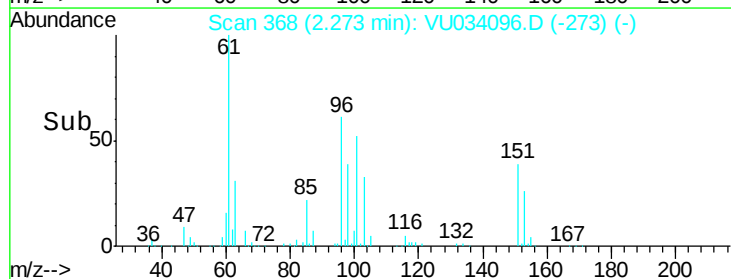
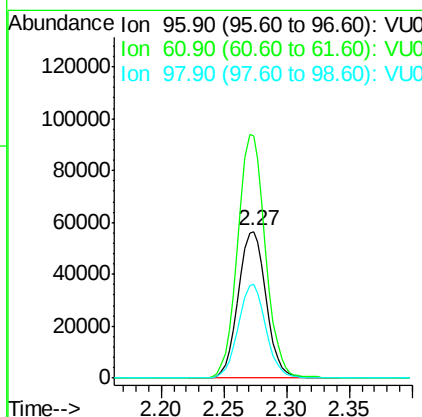
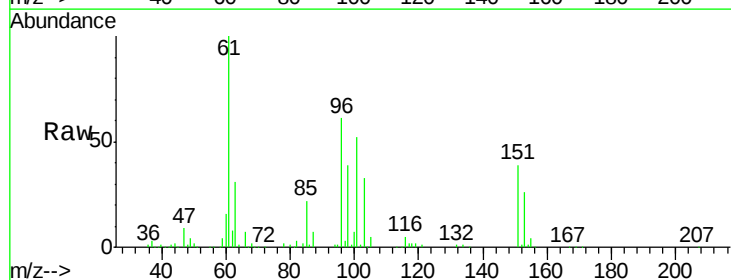
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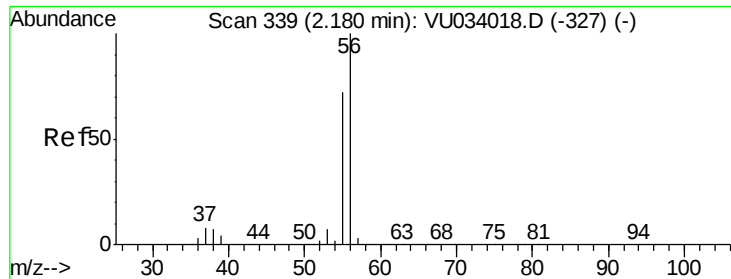
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.232 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.3	196.9
98	63.8	50.3	75.5





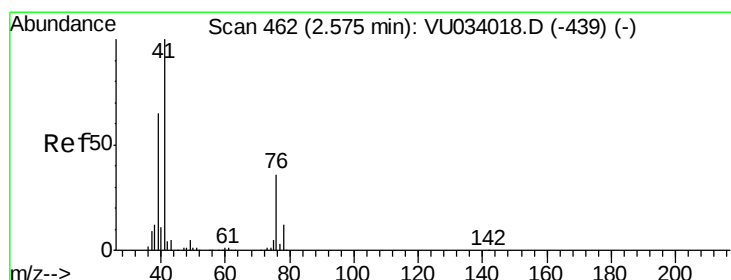
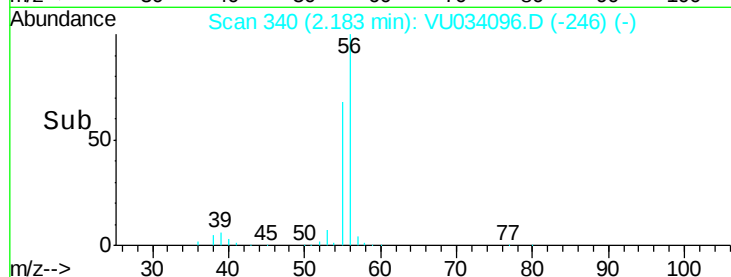
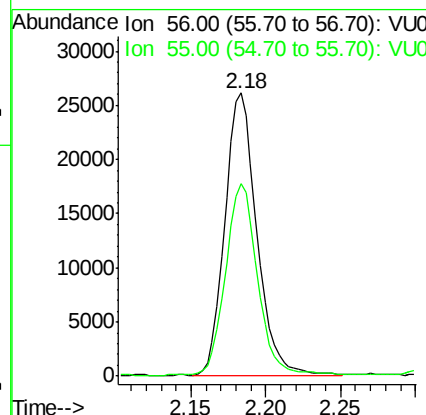
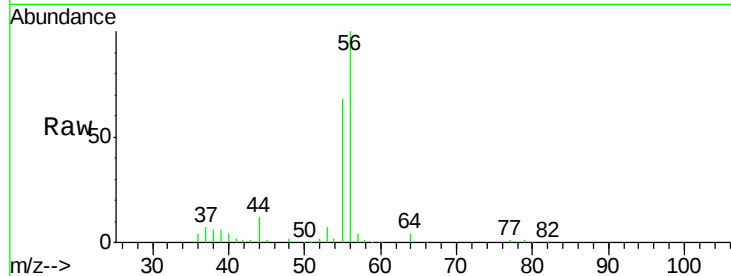
#13
Acrolein
Concen: 72.569 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	56	55	Ratio	100	Resp	39180	Lower	Upper
56	100							
55	66.7				57.1	85.7		

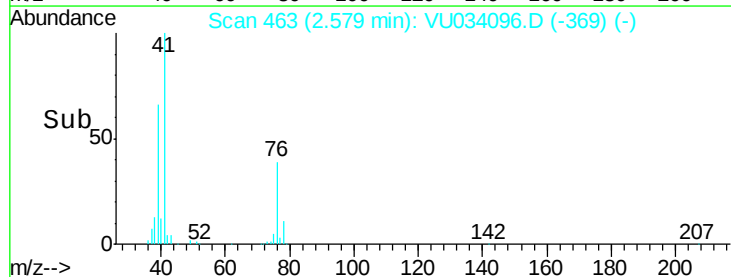
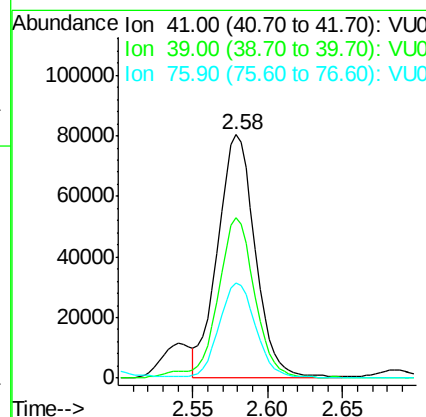
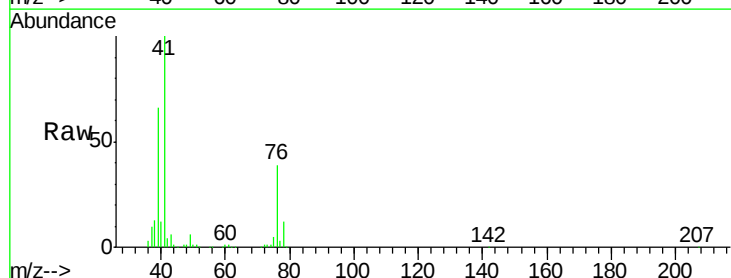
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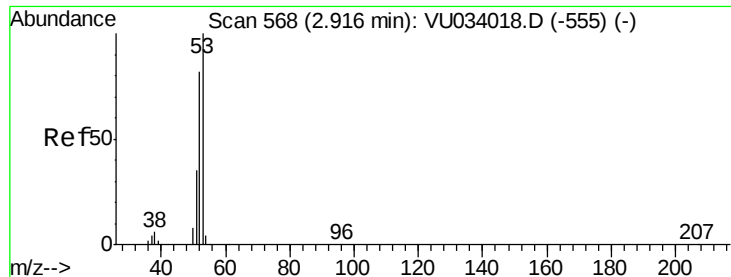
MMDadoda
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#14
Allyl chloride
Concen: 17.114 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	41	39	76	Ratio	100	Resp	139910	Lower	Upper
41	100								
39	65.8				46.8	70.2			
76	38.0				26.6	40.0			





#15

Acrylonitrile

Concen: 98.602 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

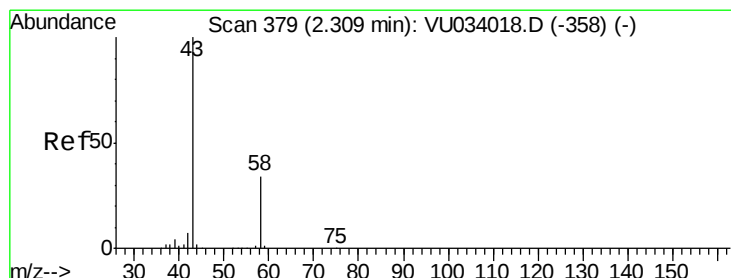
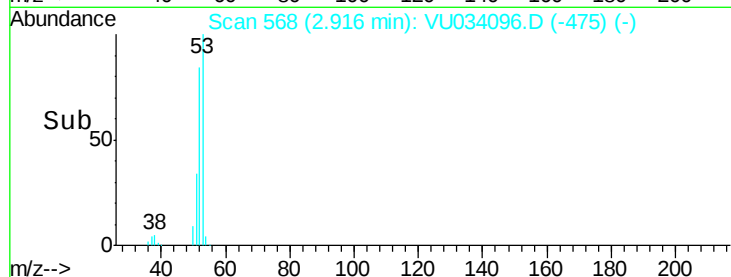
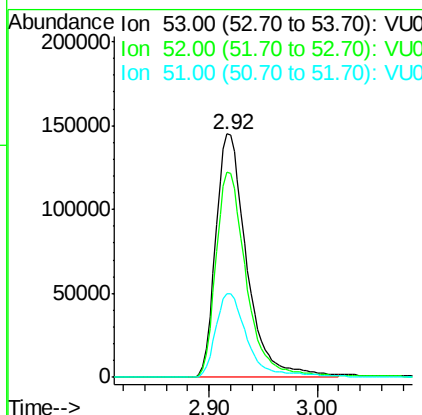
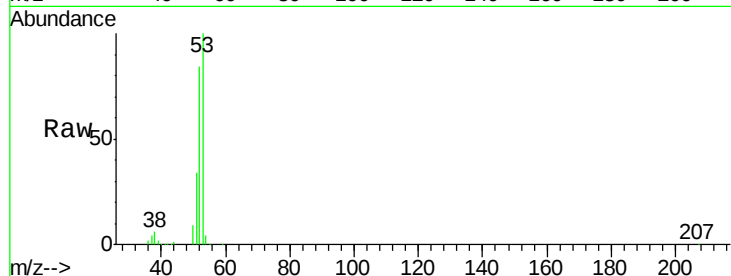
ClientSampleId :

VU0831WBSD01

Tot Ion:	53	Resp:	290386
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	35.6	27.9	41.9

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#16

Acetone

Concen: 86.674 ug/l

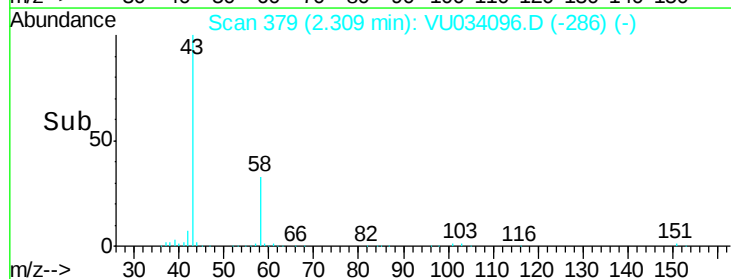
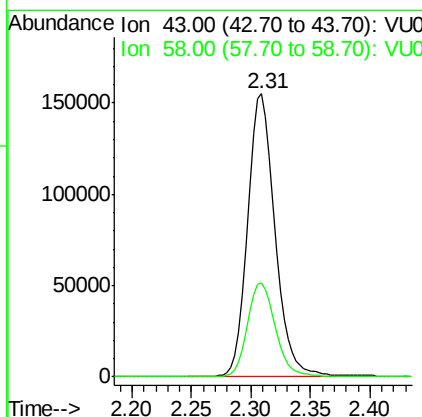
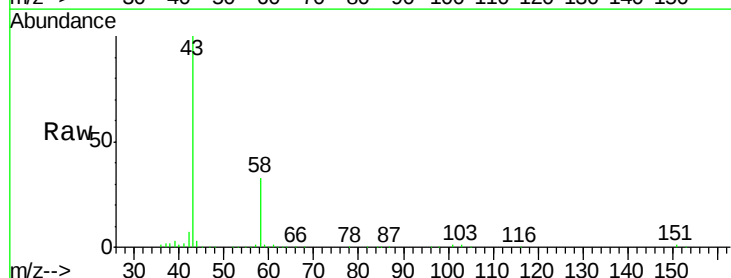
RT: 2.31 min Scan# 379

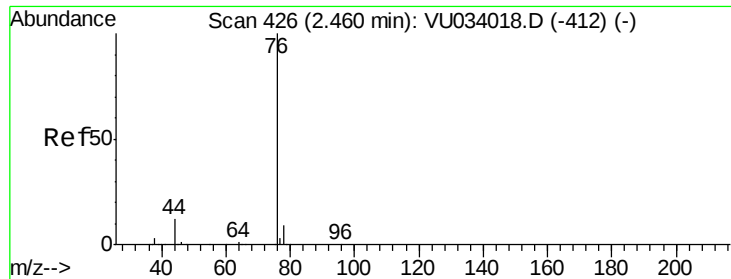
Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	43	Resp:	246131
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.8	40.2





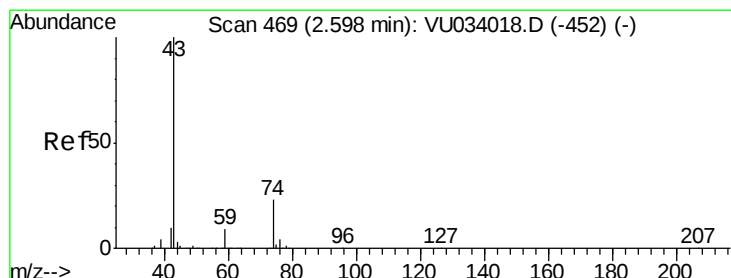
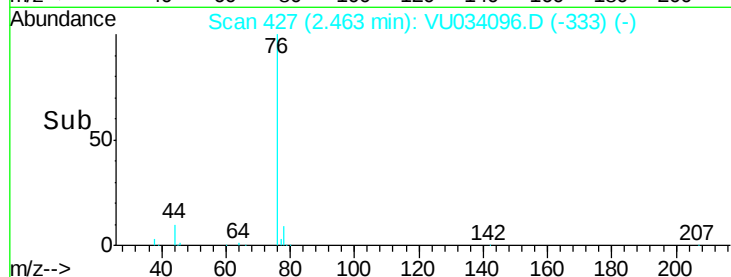
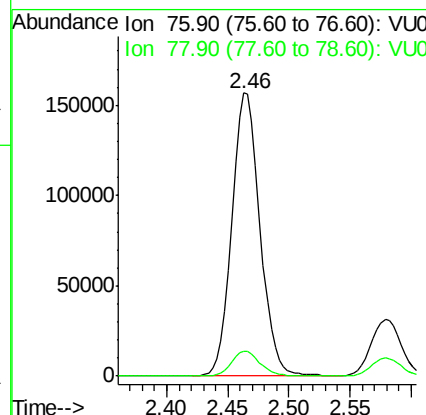
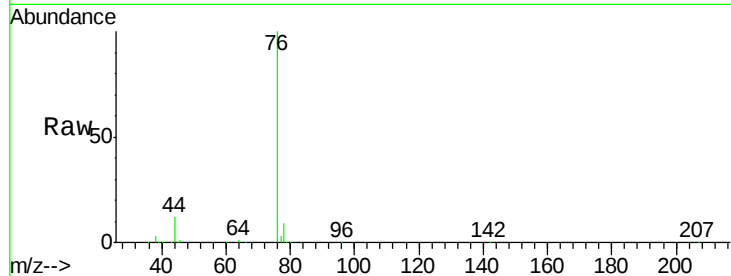
#17
Carbon Disulfide
Concen: 18.423 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

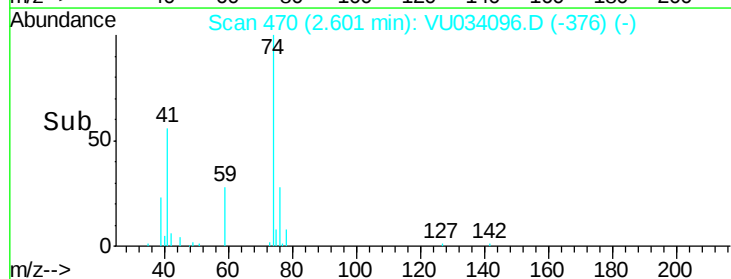
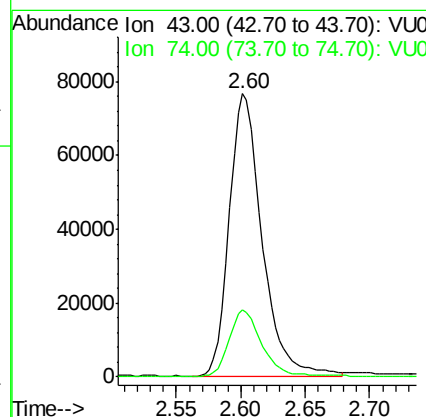
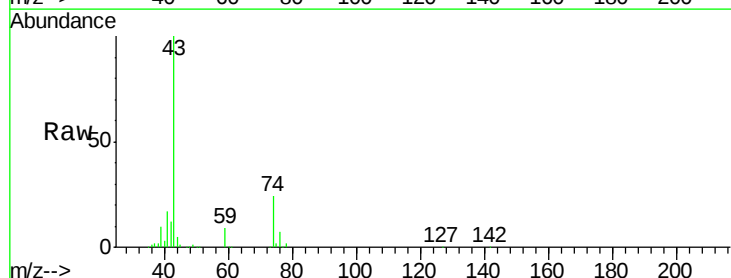
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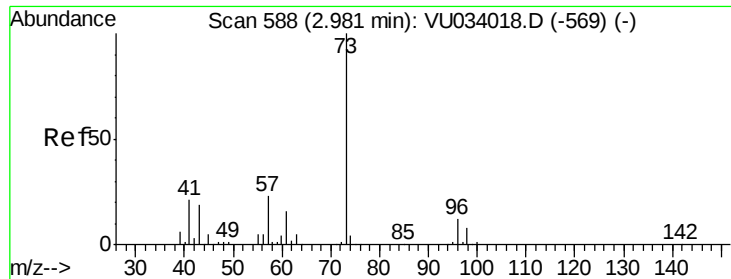
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#18
Methyl Acetate
Concen: 18.405 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





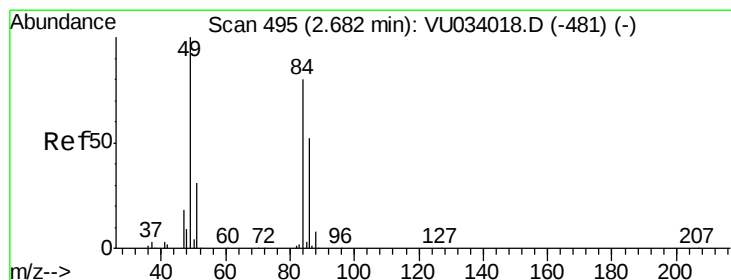
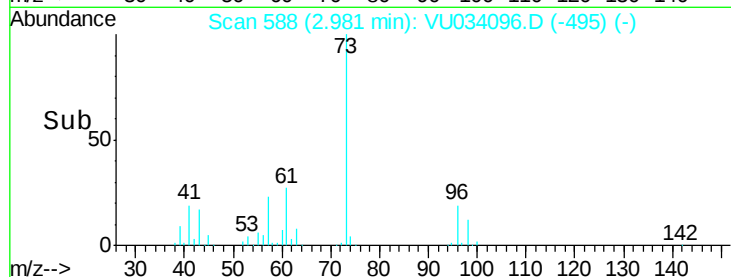
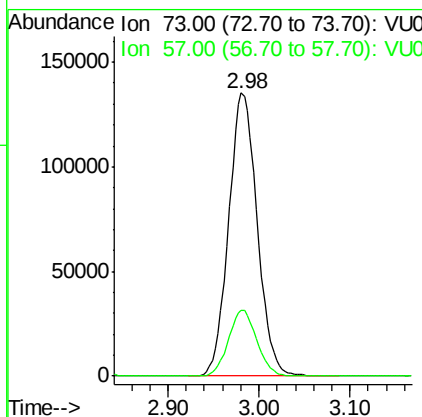
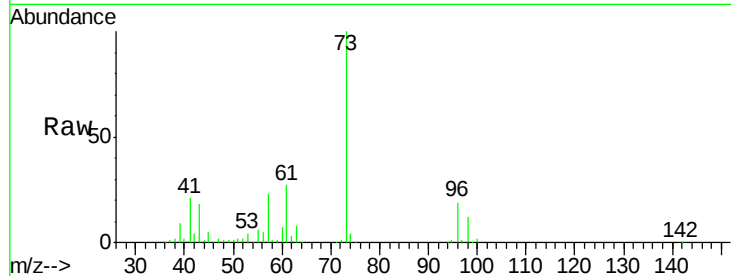
#19
Methvl tert-butvl Ether
Concen: 20.729 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion: 73 Resp: 295323
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

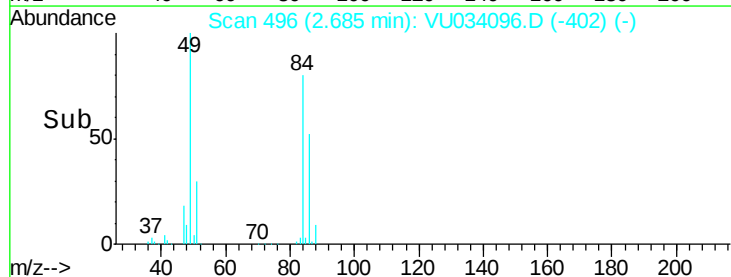
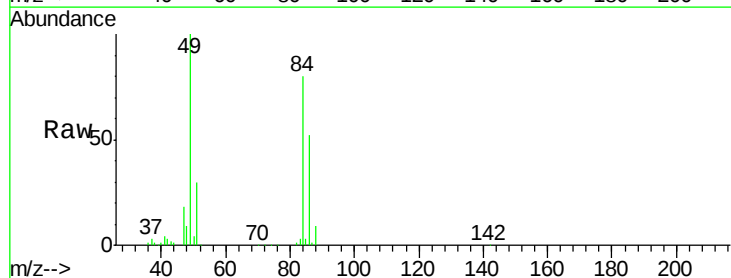
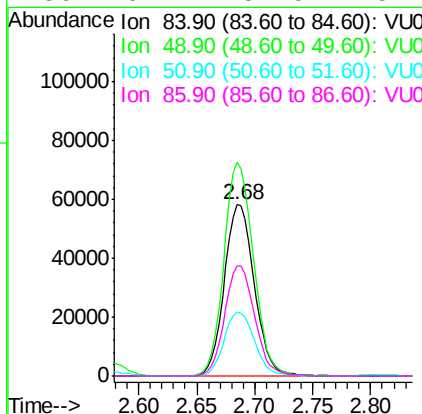
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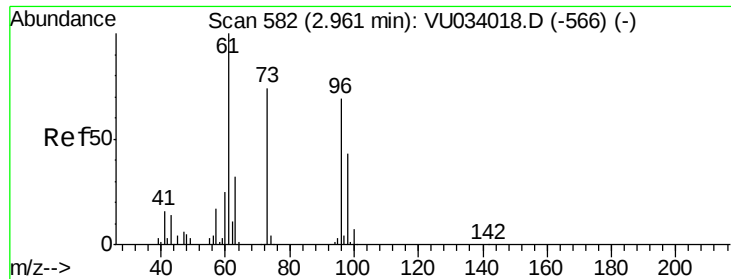
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#20
Methylene Chloride
Concen: 19.369 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion: 84 Resp: 104124
Ion Ratio Lower Upper
84 100
49 124.8 100.2 150.4
51 37.2 30.8 46.2
86 64.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.497 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleID :

VU0831WBSD01

Tot Ion: 96 Resp: 92008

Ion Ratio Lower Upper

96 100

61 150.2 115.5 173.3

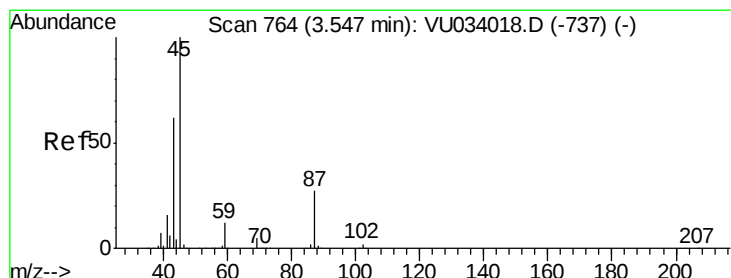
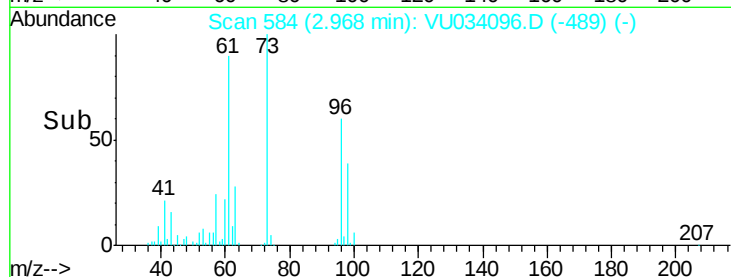
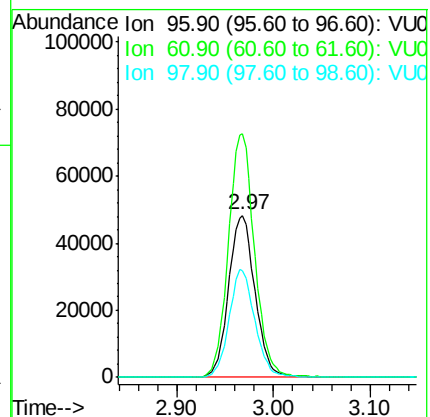
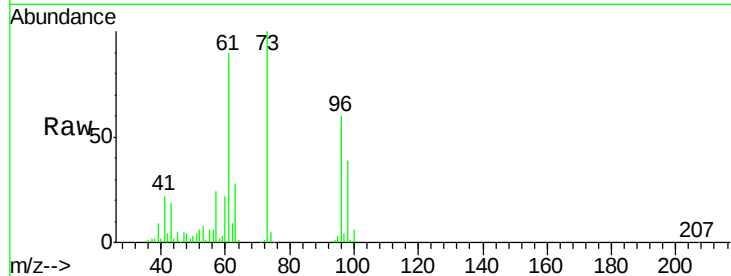
98 66.0 50.1 75.1

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#22

Diisopropyl ether

Concen: 20.613 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion: 45 Resp: 308791

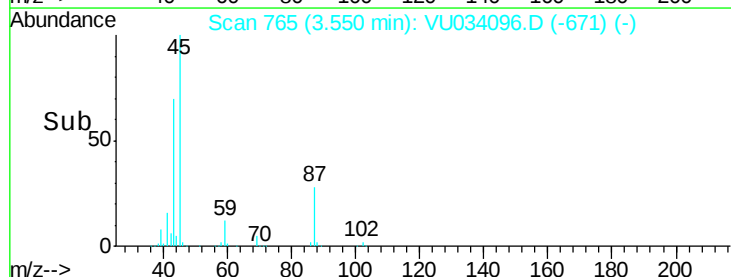
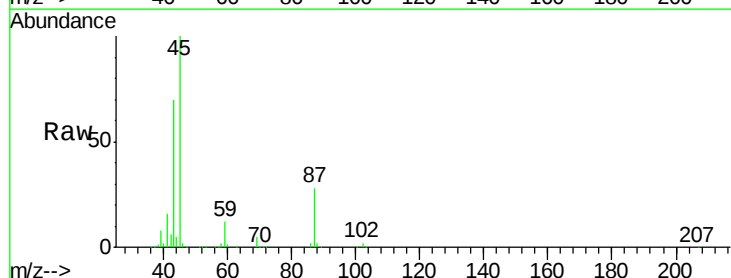
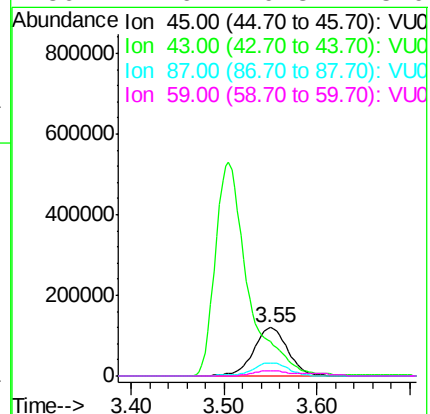
Ion Ratio Lower Upper

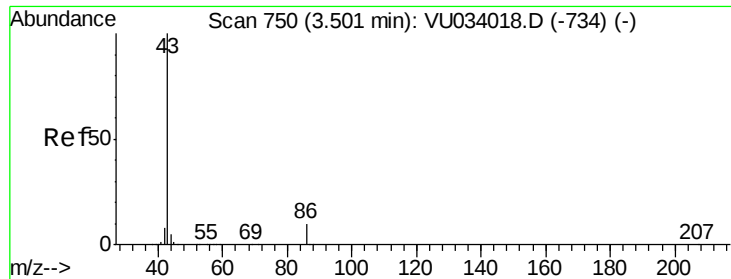
45 100

43 69.6 49.7 74.5

87 27.7 21.8 32.8

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 101.178 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 43 Resp: 1302044

Ion Ratio Lower Upper

43 100

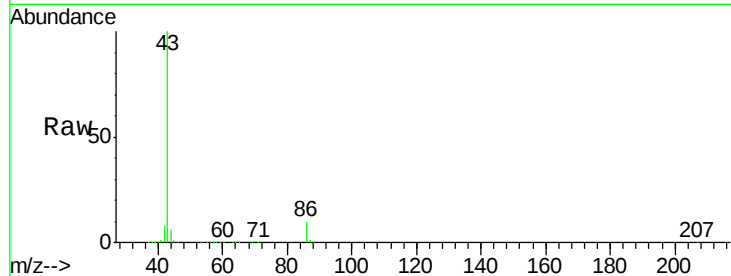
86 10.3 8.3 12.5

Manual Integrations

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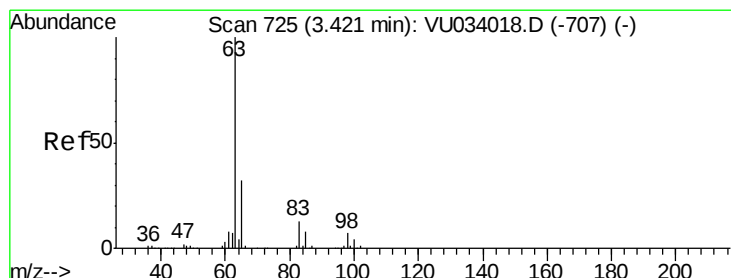
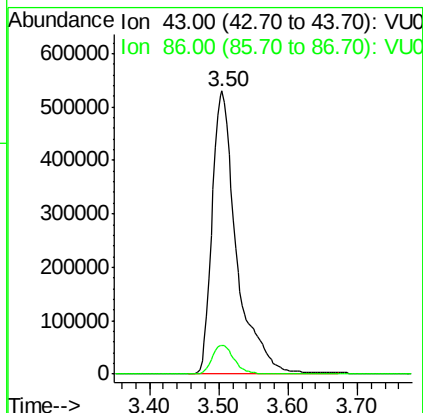
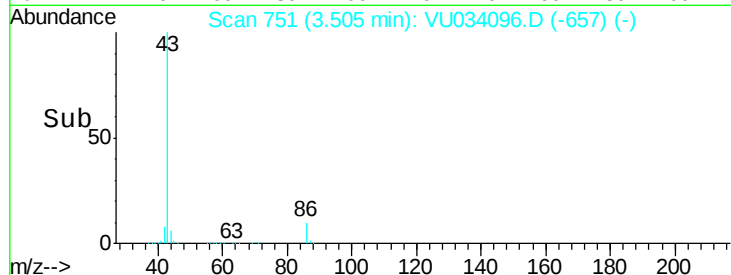


Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

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

3.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.445 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

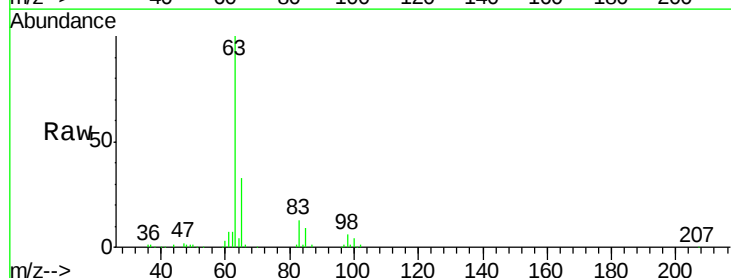
Tgt Ion: 63 Resp: 180829

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.0 6.0



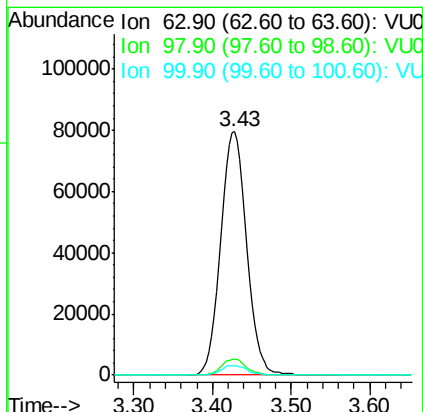
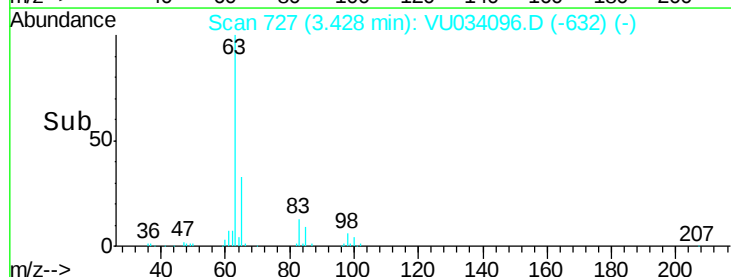
Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

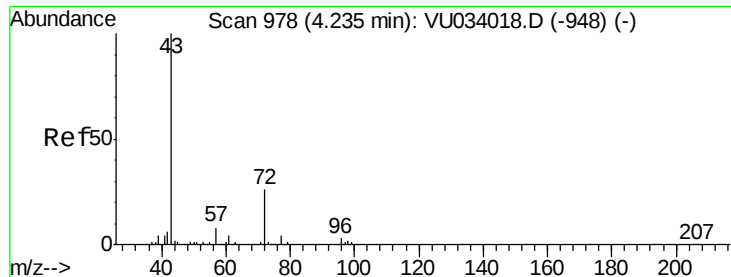
Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

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

3.43

Time-->





#25

2-Butanone

Concen: 97.489 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 43 Resp: 385161

Ion Ratio Lower Upper

43 100

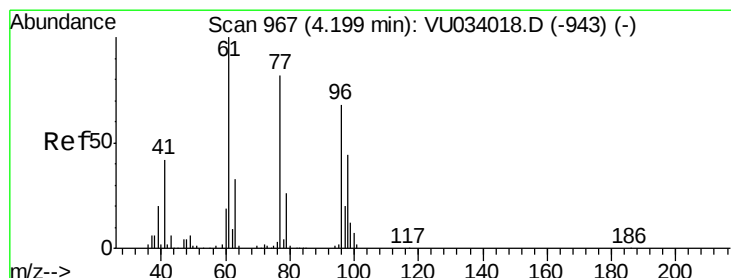
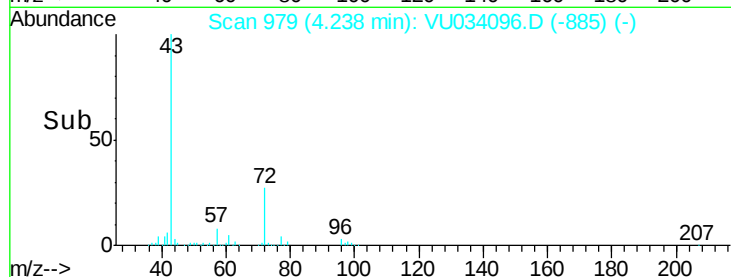
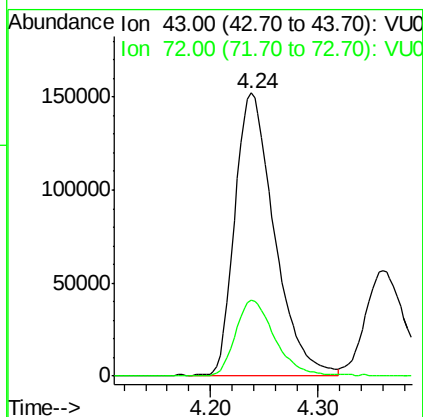
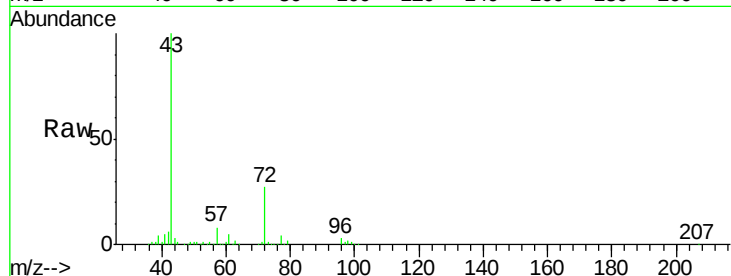
72 26.8 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 18.683 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034096.D

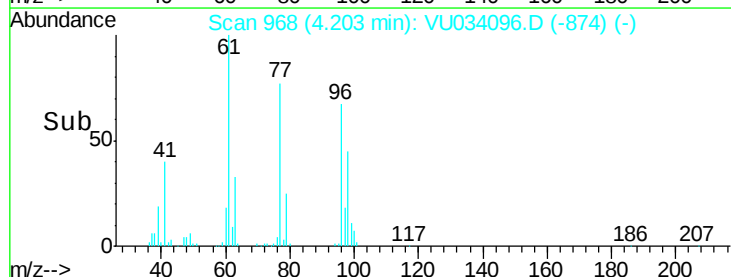
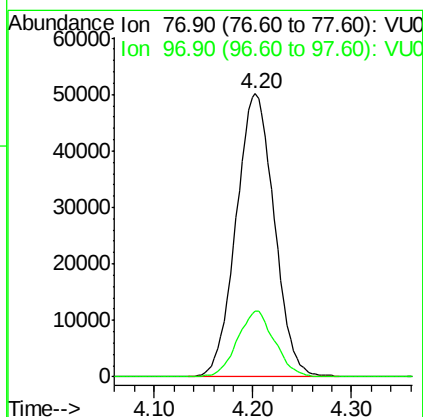
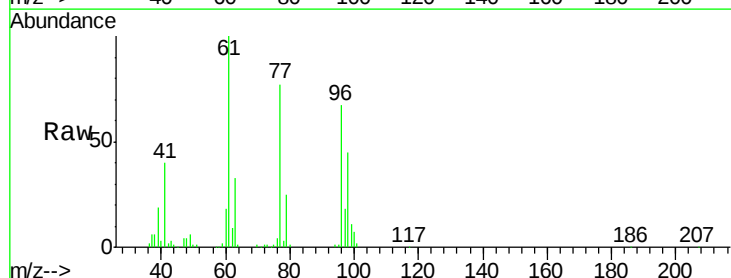
Acq: 30 Aug 2019 14:21

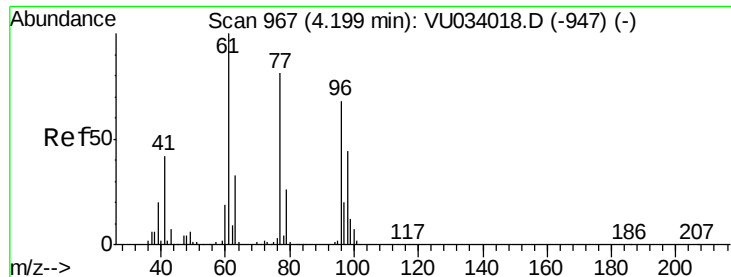
Tgt Ion: 77 Resp: 134457

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

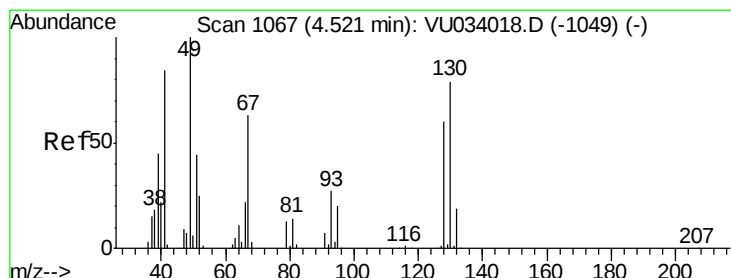
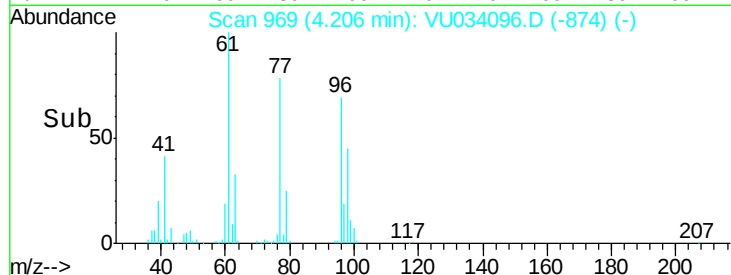
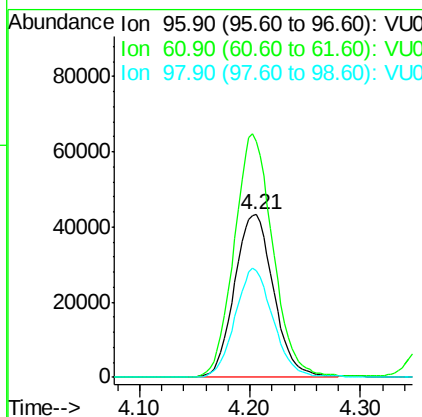
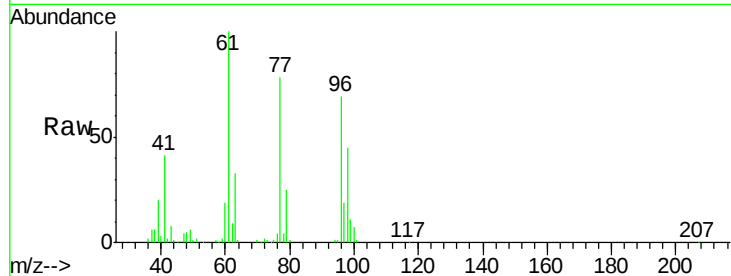
cis-1,2-Dichloroethene
 Concen: 20.090 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.3	0.0	303.0	
98	65.3	0.0	129.2	

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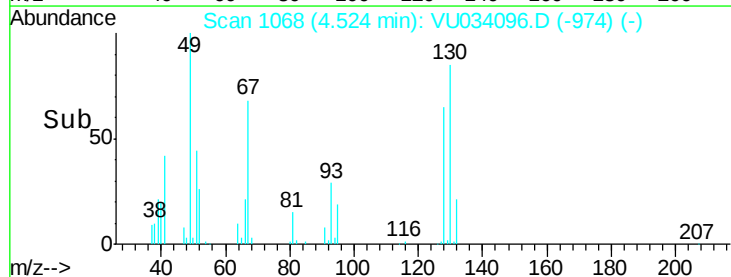
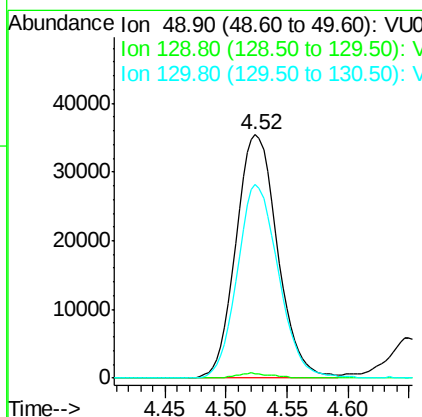
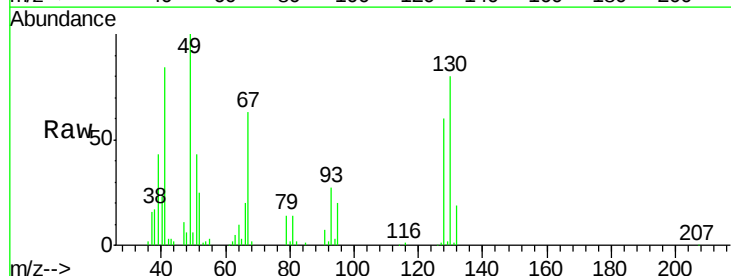
MMDadoda
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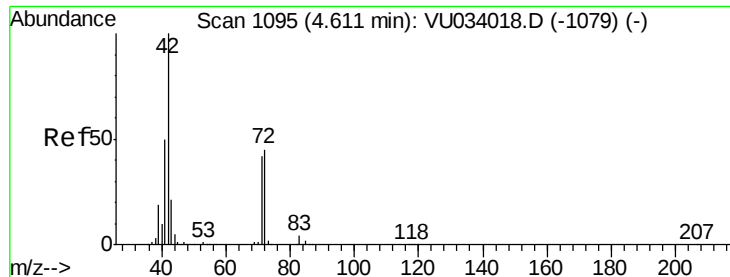


#28

Bromochloromethane
 Concen: 19.205 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	78.8	62.8	94.2	





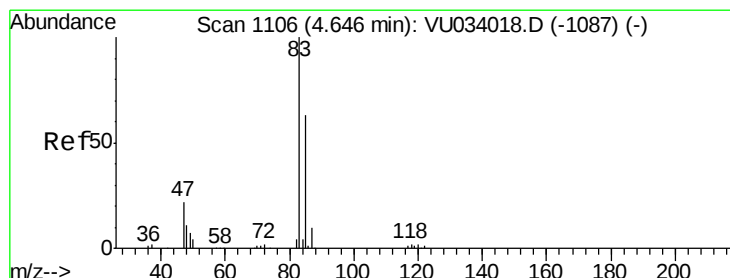
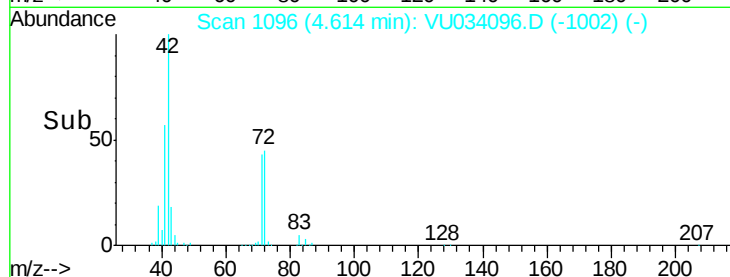
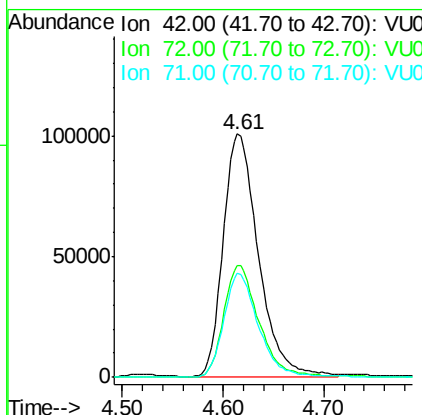
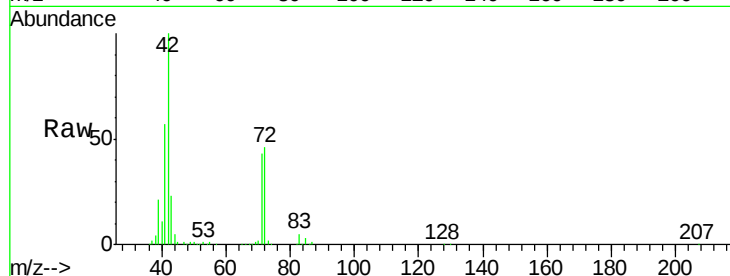
#29
Tetrahydrofuran
Concen: 100.346 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.8	53.6
71	42.4	34.0	51.0

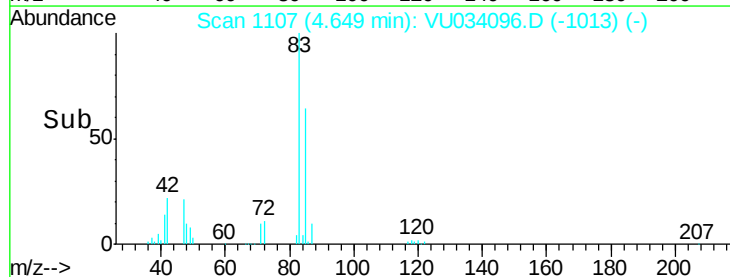
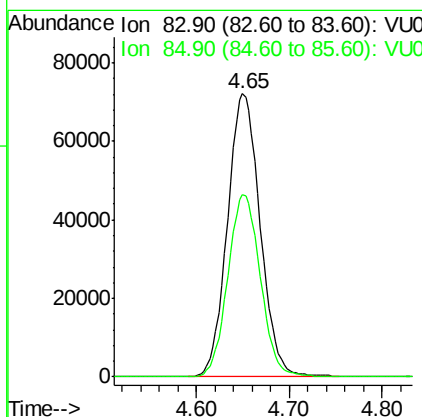
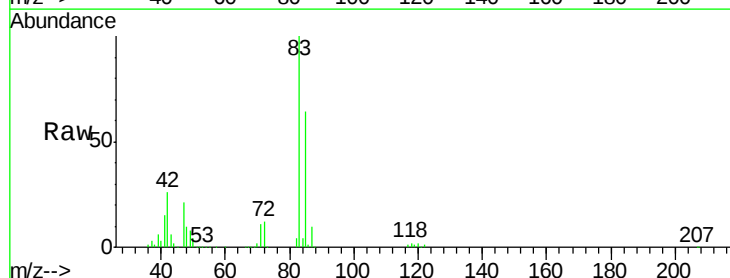
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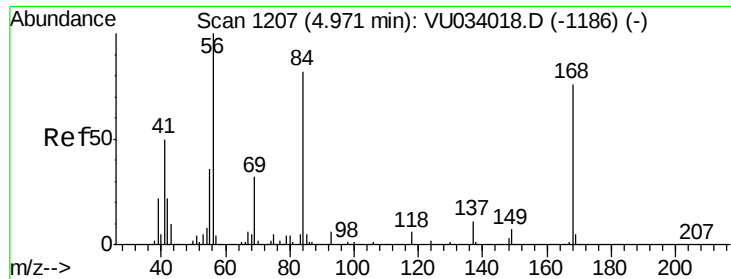
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#30
Chloroform
Concen: 20.020 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1





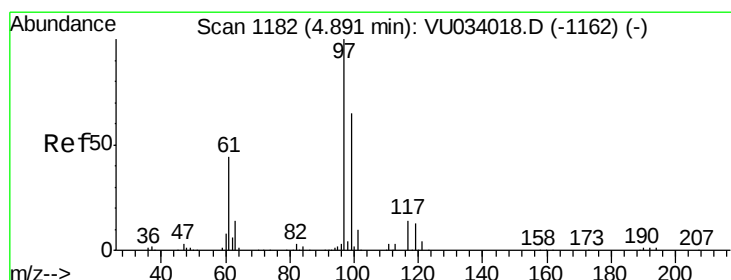
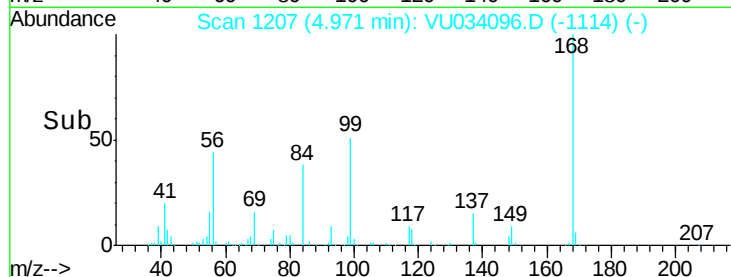
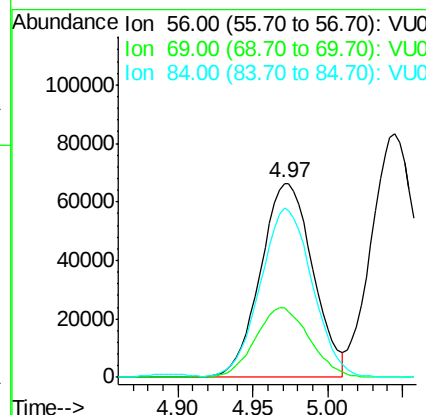
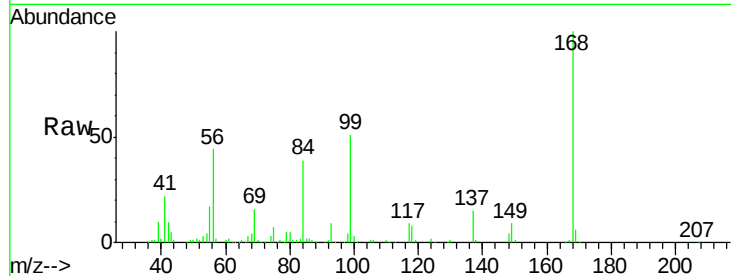
#31
Cyclohexane
Concen: 19.423 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	161417		
69	35.5	25.4	38.0	
84	86.3	65.8	98.8	

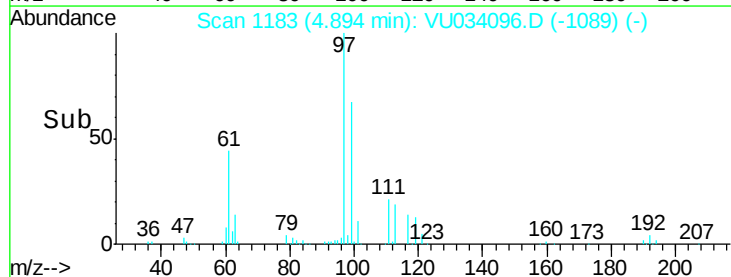
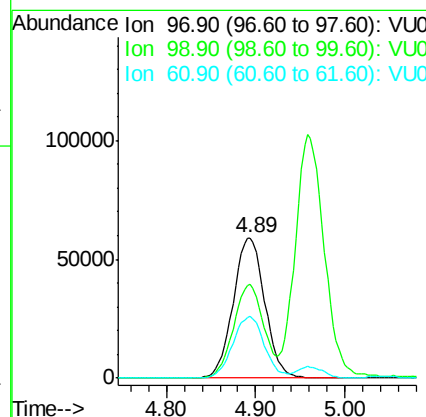
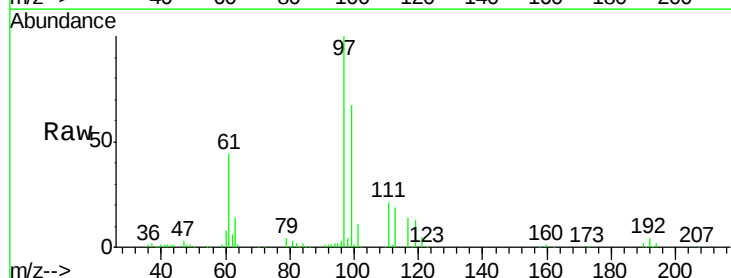
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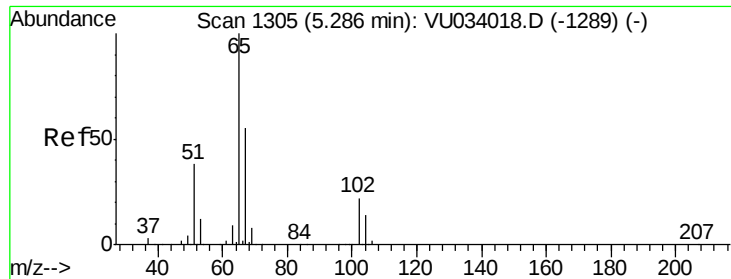
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#32
1,1,1-Trichloroethane
Concen: 20.046 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	144873		
99	63.6	51.8	77.6	
61	44.0	35.3	52.9	





#33

1,2-Dichloroethane-d4

Concen: 48.059 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 65 Resp: 267467

Ion Ratio Lower Upper

65 100

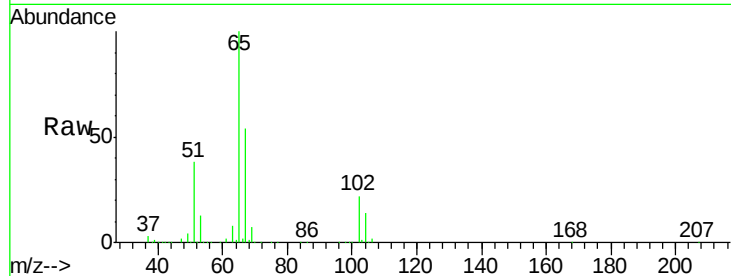
67 54.0 0.0 110.6

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Abundance Ion 64.90 (64.60 to 65.60): VU034096.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034096.D (-1212) (-)

5.29

150000

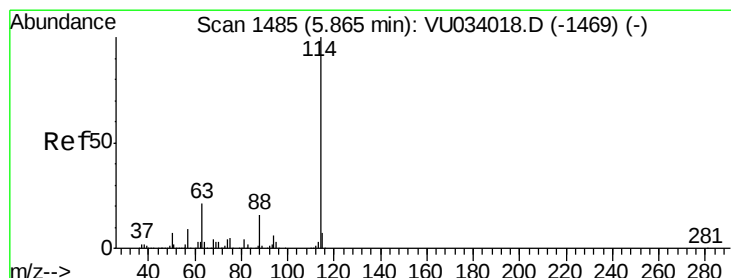
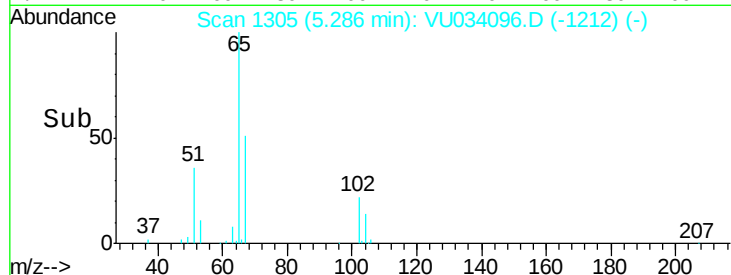
100000

50000

0

Time-->

5.20 5.25 5.30 5.35



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

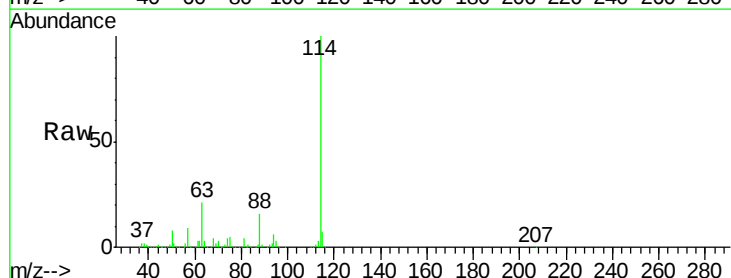
Tgt Ion: 114 Resp: 677198

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034096.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034096.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034096.D (-1392) (-)

5.86

400000

300000

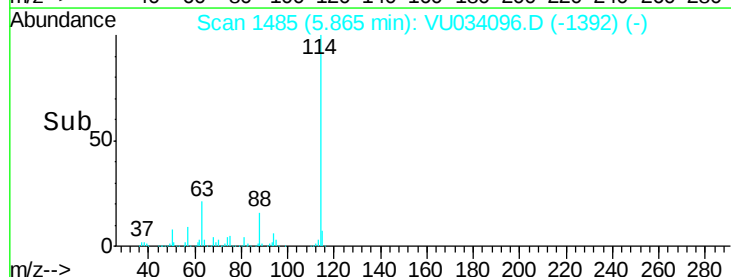
200000

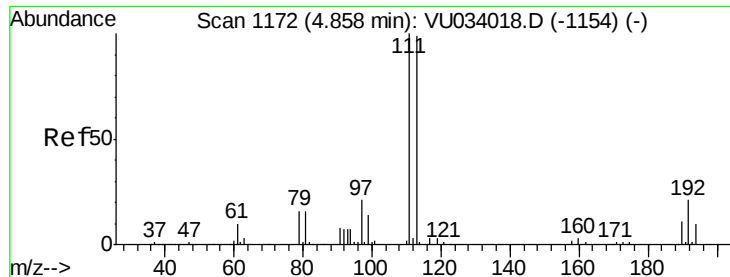
100000

0

Time-->

5.75 5.80 5.85 5.90 5.95





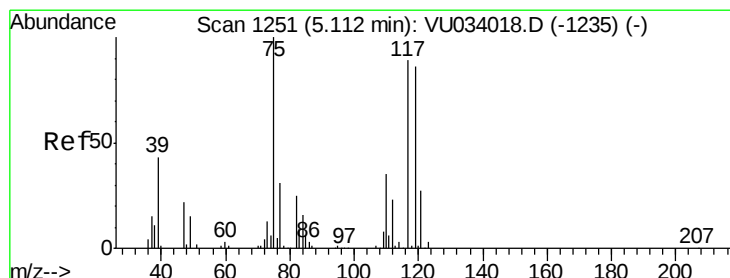
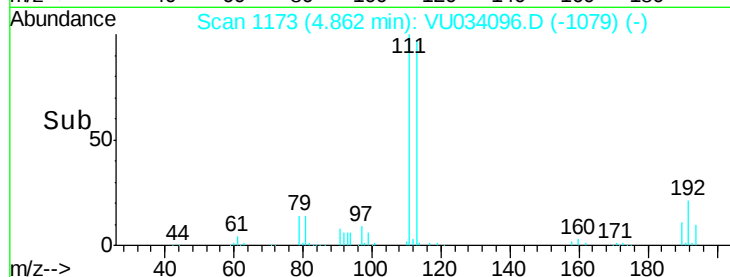
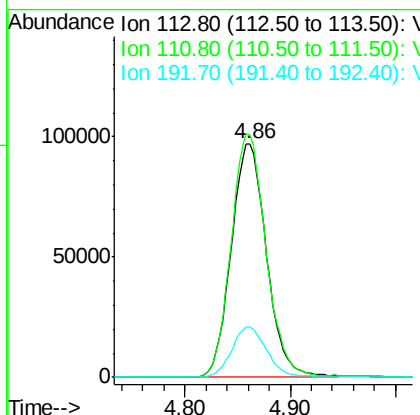
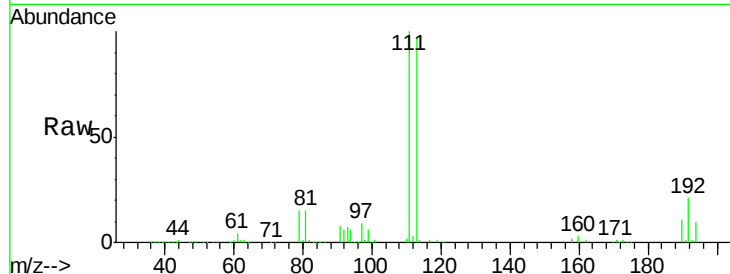
#35
 Dibromofluoromethane
 Concen: 48.033 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225612		
111	102.8	81.7	122.5	
192	21.4	17.1	25.7	

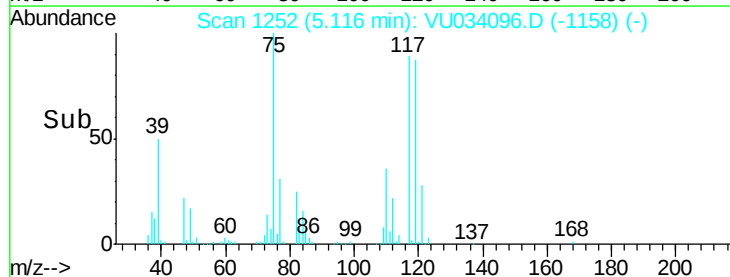
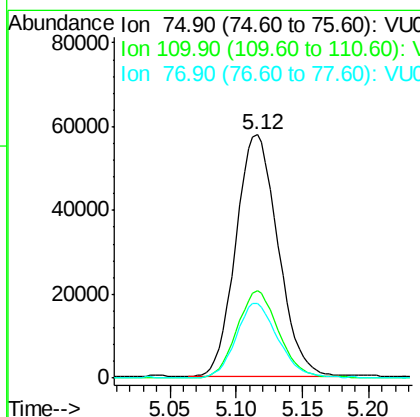
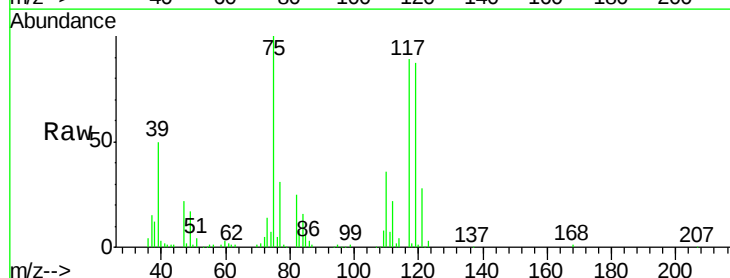
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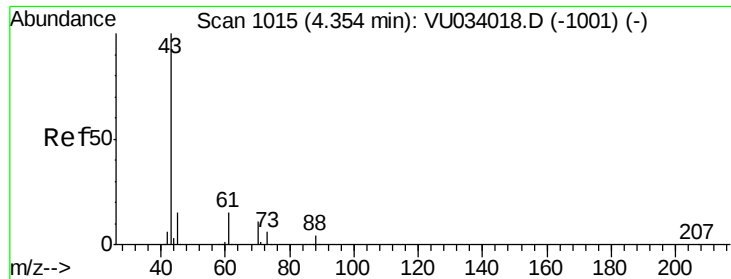
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#36
 1,1-Dichloropropene
 Concen: 19.892 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127419		
110	36.2	17.8	53.5	
77	31.1	25.0	37.4	





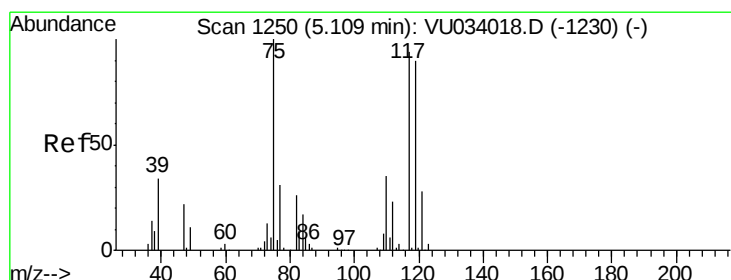
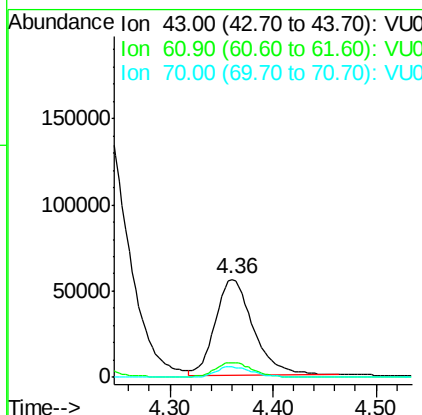
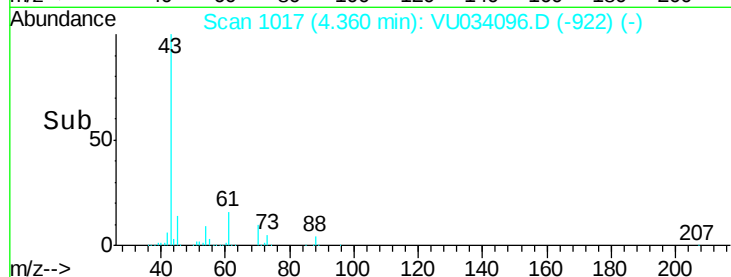
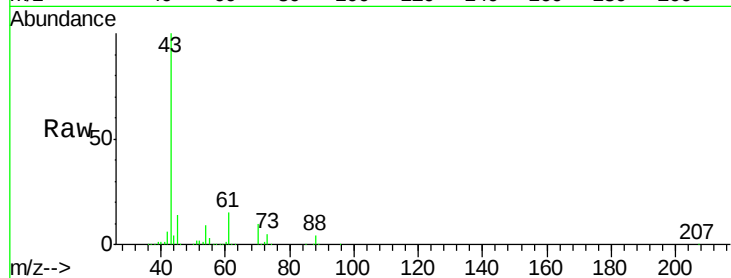
#37
Ethyl Acetate
Concen: 19.950 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	10.7	8.6	12.8

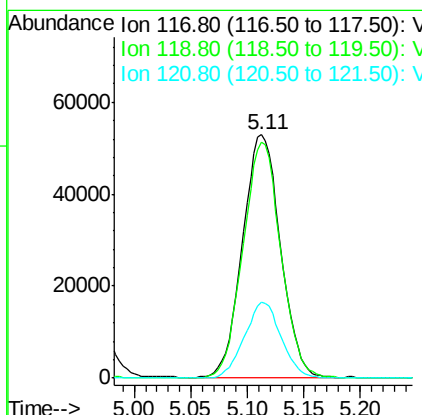
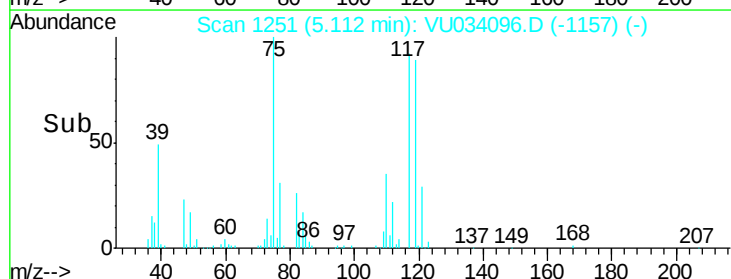
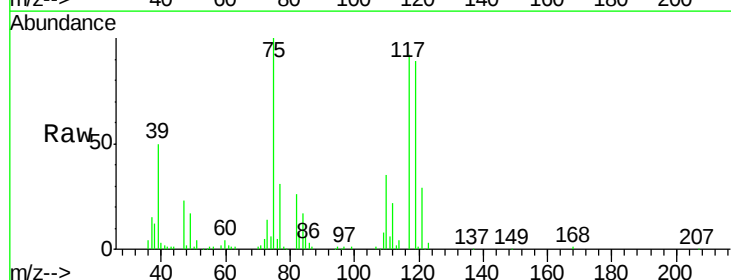
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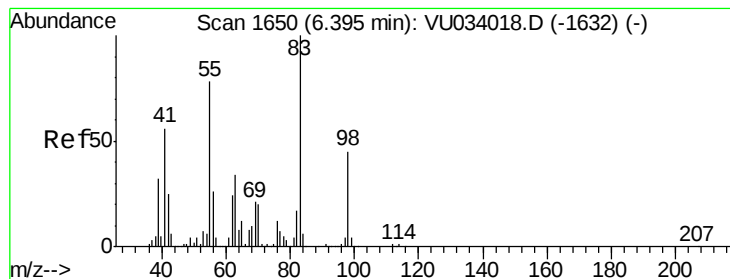
MMDadoda
8/31/2019 11:24:42 AM



#38
Carbon Tetrachloride
Concen: 19.834 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
121	31.1	23.9	35.9





#39

Methylvlcvclohexane

Concen: 19.768 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

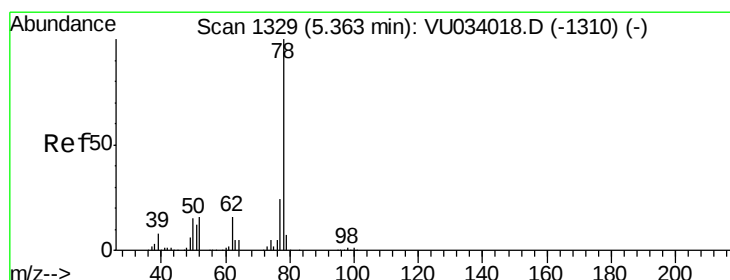
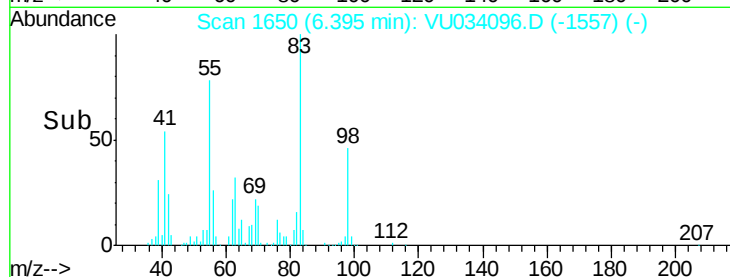
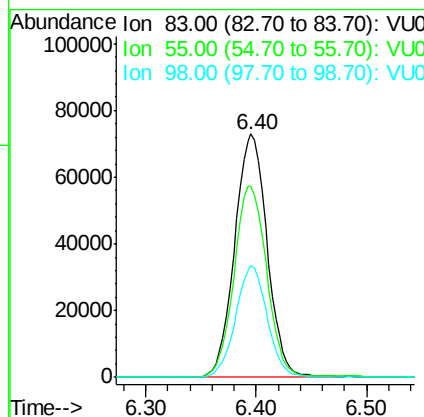
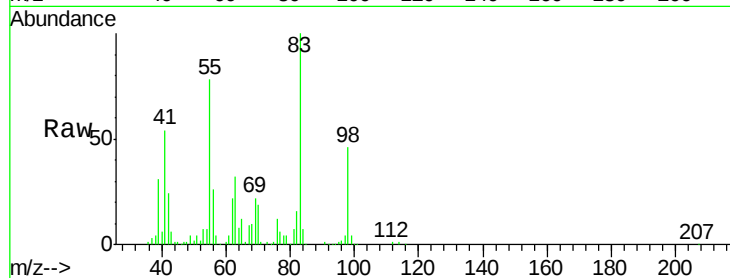
ClientSampleId :

VU0831WBSD01

Tot Ion:	83	Resp:	149242
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.3	93.5
98	45.8	36.2	54.2

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#40

Benzene

Concen: 20.496 ug/l

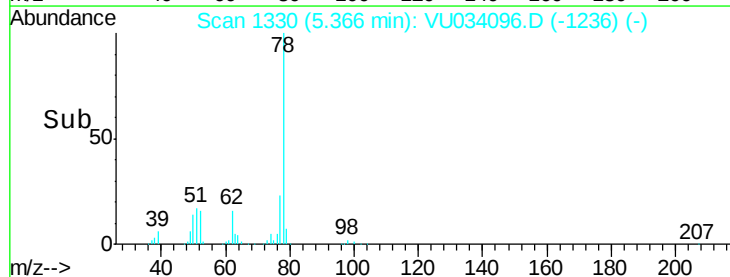
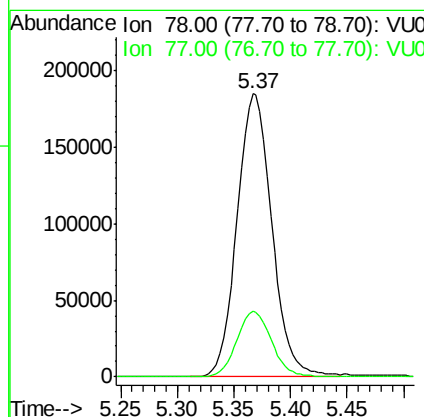
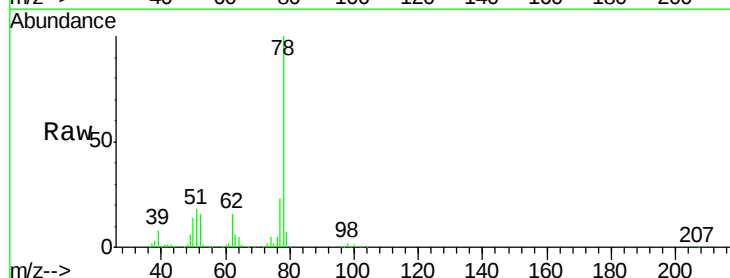
RT: 5.37 min Scan# 1330

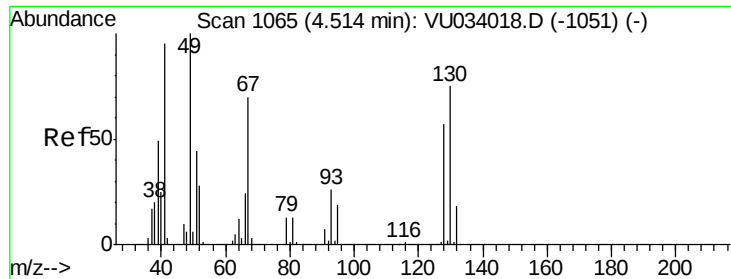
Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	78	Resp:	397205
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6





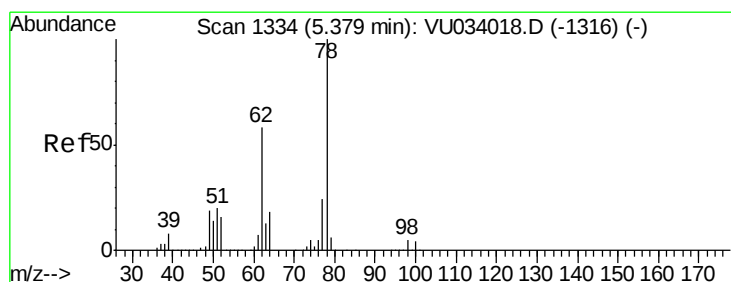
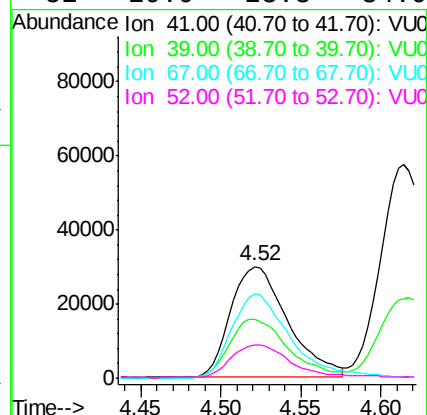
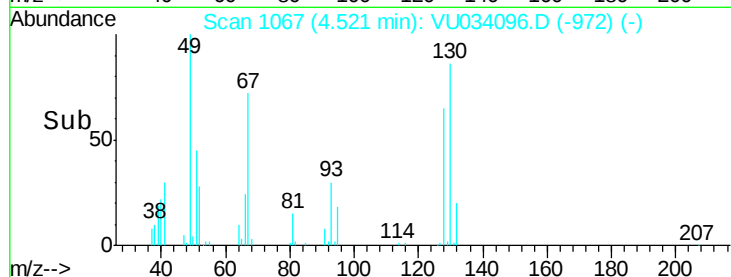
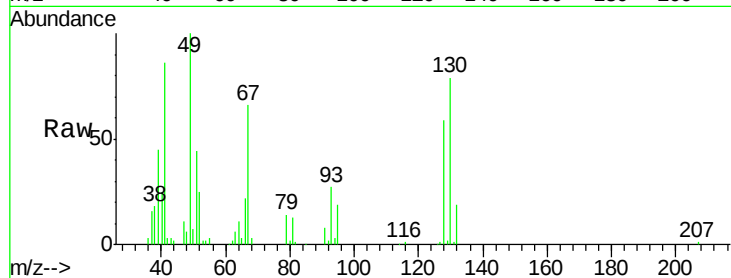
#41
Methacrylonitrile
Concen: 19.949 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.1	63.1	
67	78.5	61.0	91.4	
52	29.9	23.3	34.9	

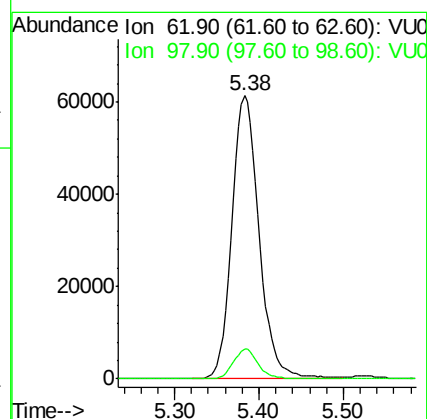
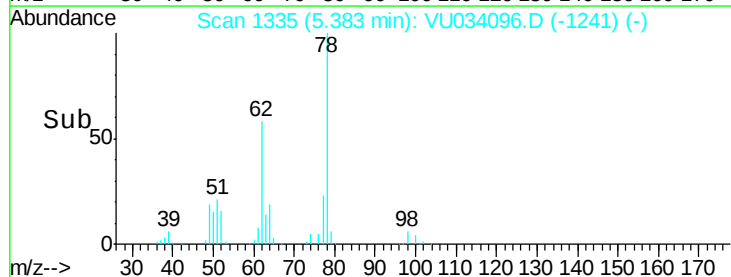
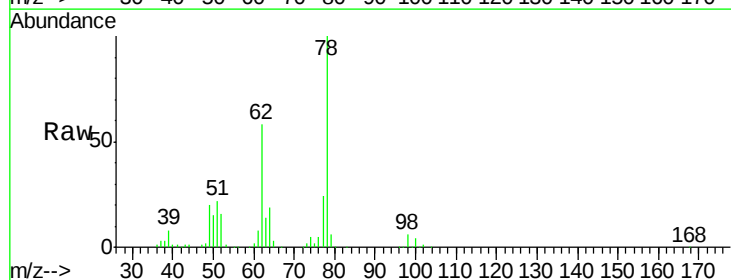
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#42
1,2-Dichloroethane
Concen: 20.563 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.2	





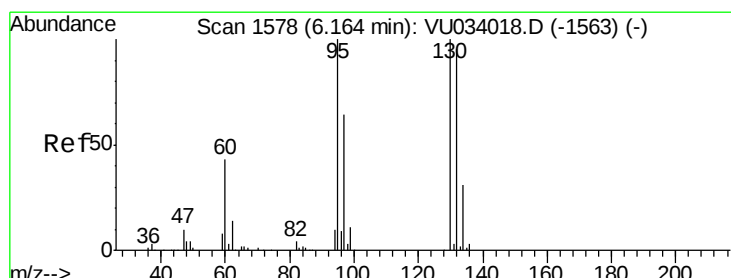
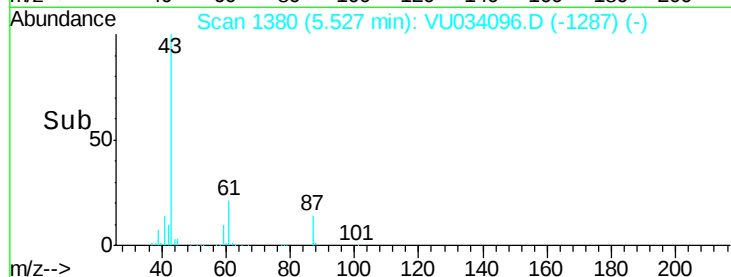
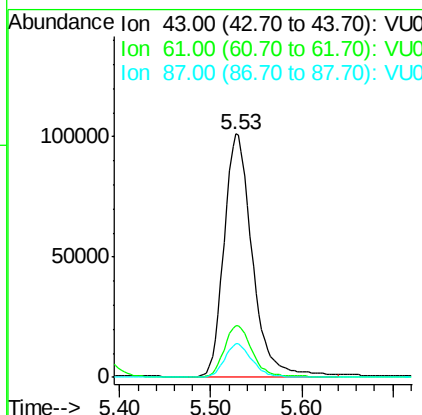
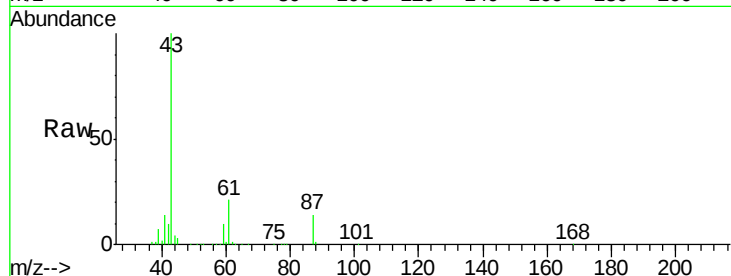
#43
Isopropyl Acetate
Concen: 19.900 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	217164		
61	21.1		17.2	25.8
87	13.3		10.8	16.2

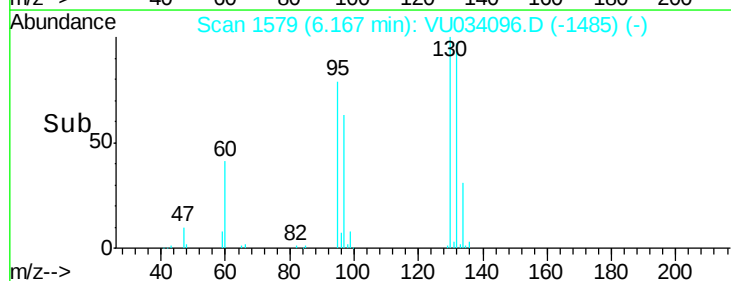
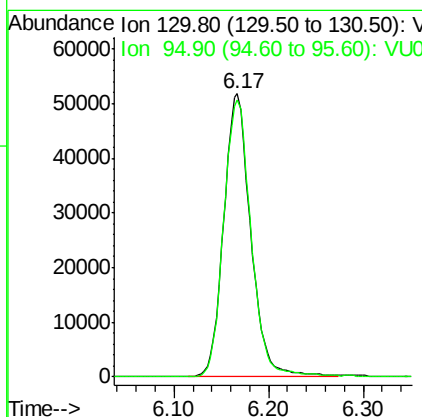
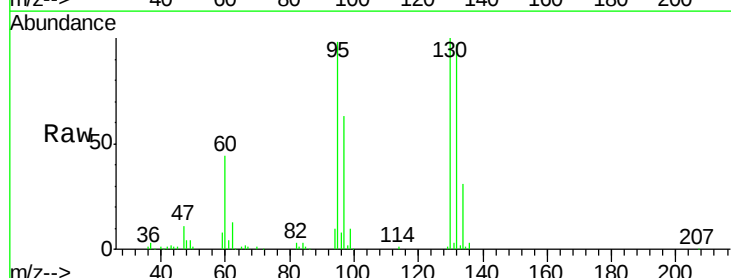
Manual Integrations
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#44
Trichloroethene
Concen: 20.285 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	103236		
95	98.0		0.0	199.6





#45

1,2-Dichloropropane

Concen: 20.292 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 63 Resp: 108254

Ion Ratio Lower Upper

63 100

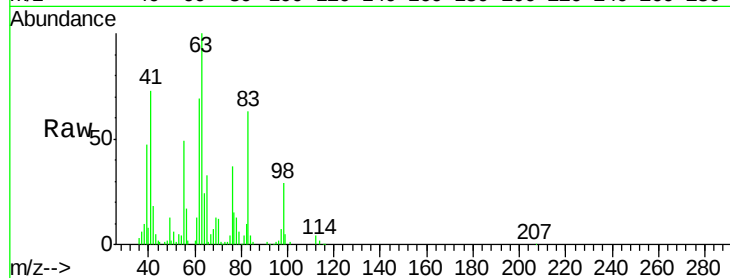
65 32.6 25.4 38.2

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

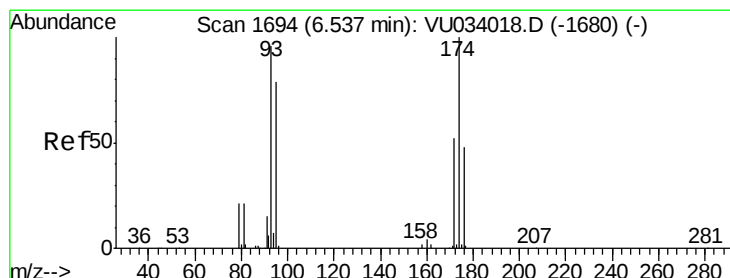
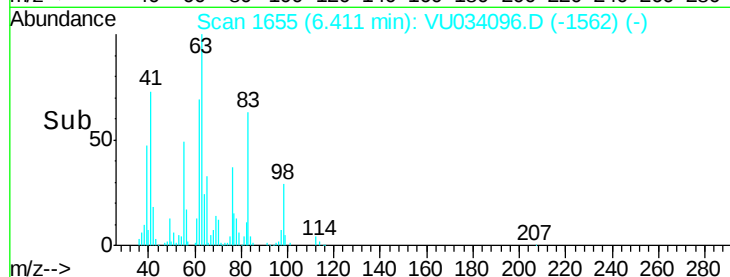
20000

10000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 20.379 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

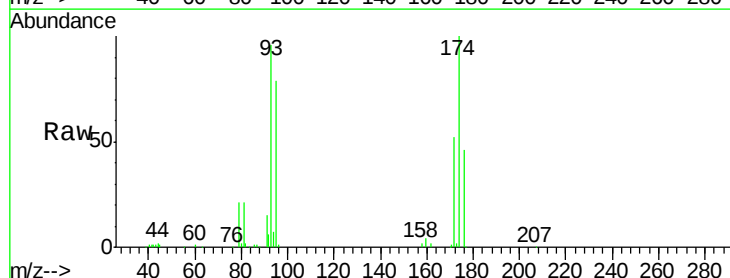
Tgt Ion: 93 Resp: 70044

Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

174 103.6 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

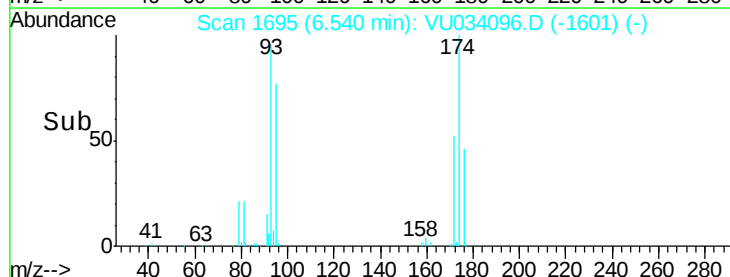
20000

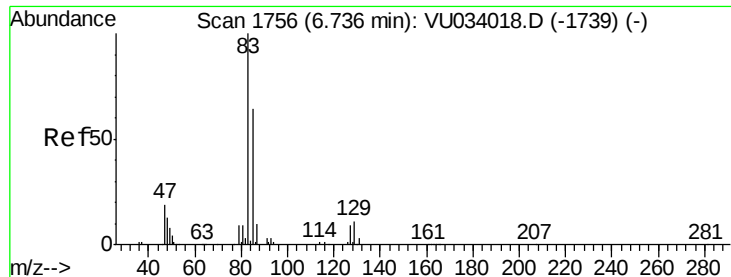
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 20.172 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

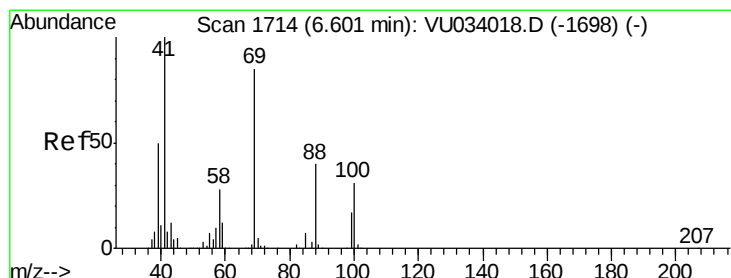
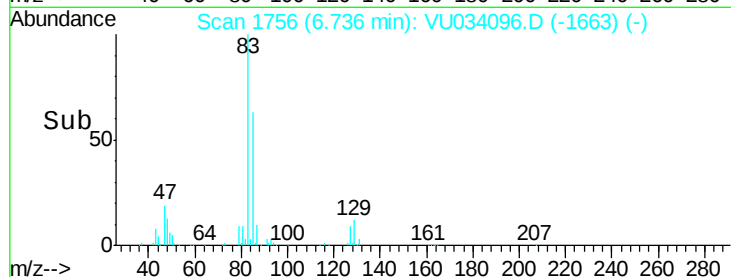
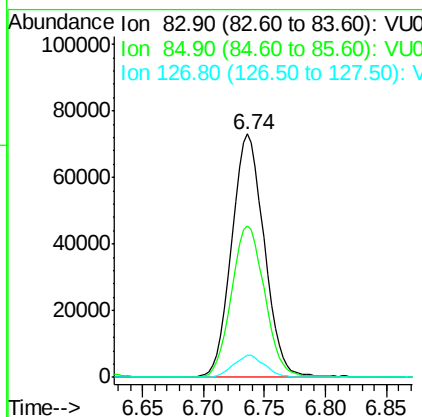
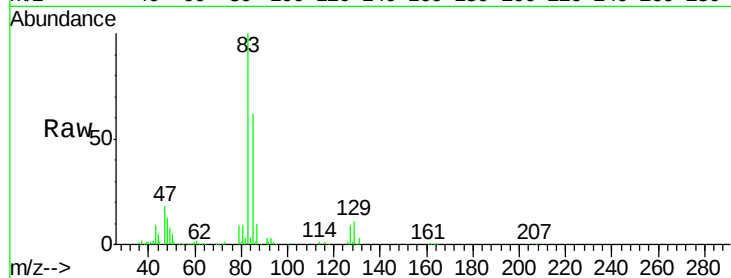
ClientSampleId :

VU0831WBSD01

Tot Ion:	83	Resp:	135644
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.2	76.8
127	9.1	7.0	10.6

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#48

Methyl methacrylate

Concen: 19.163 ug/l

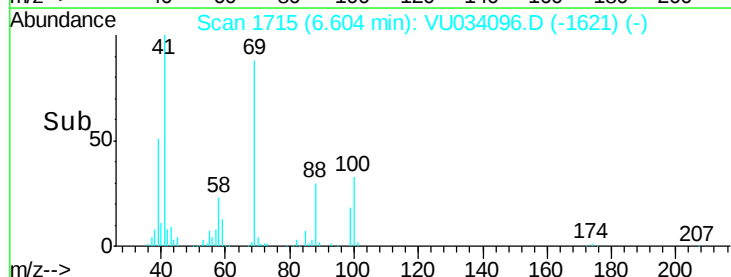
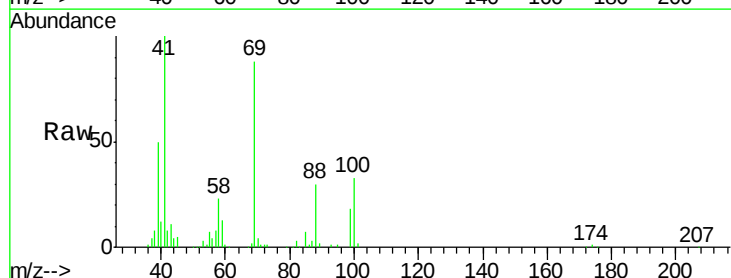
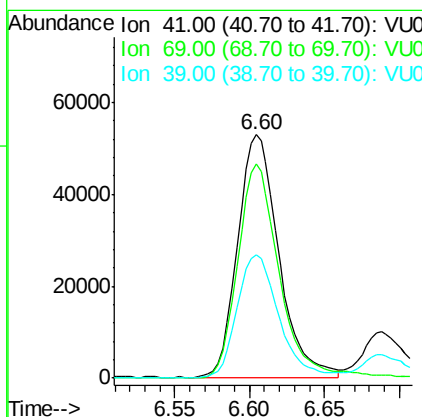
RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	41	Resp:	100907
Ion	Ratio	Lower	Upper
41	100		
69	89.9	69.5	104.3
39	51.3	40.3	60.5





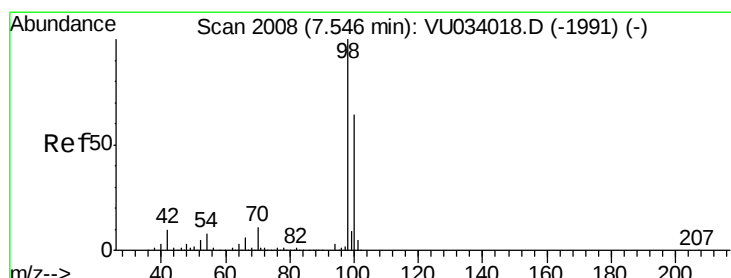
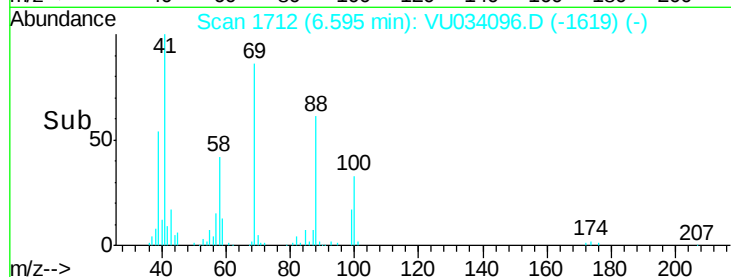
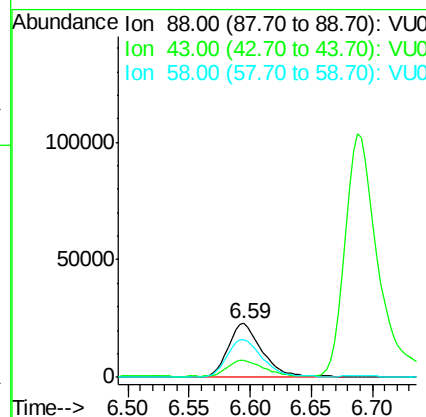
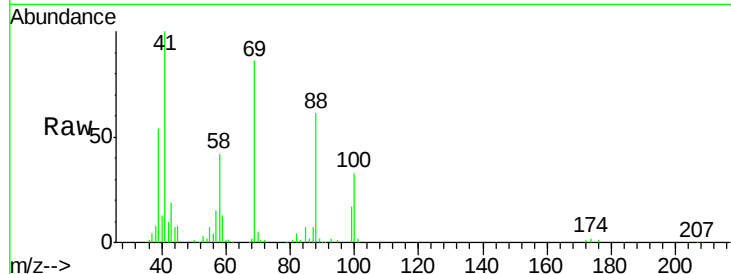
#49
1,4-Dioxane
Concen: 334.692 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

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

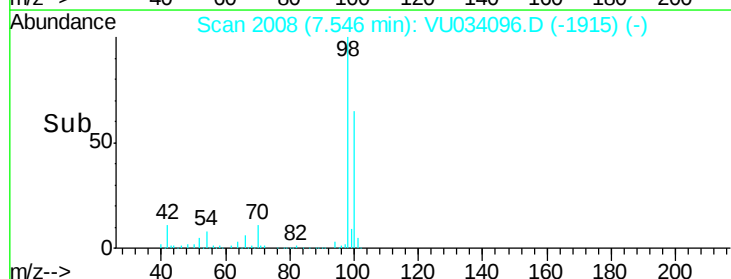
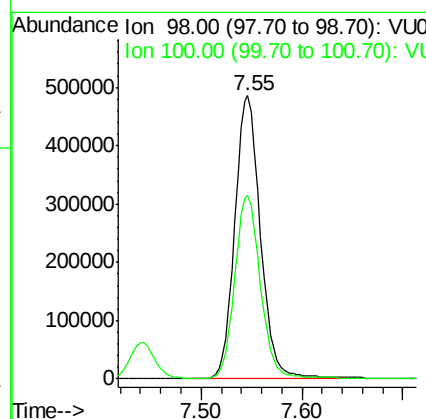
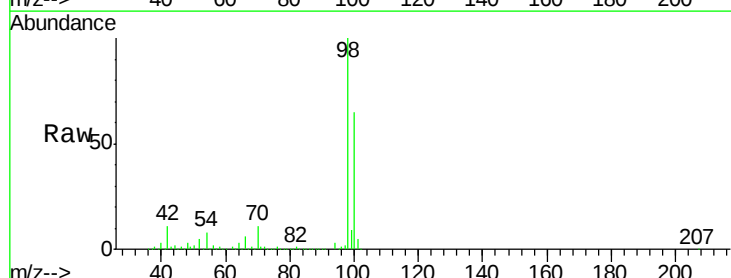
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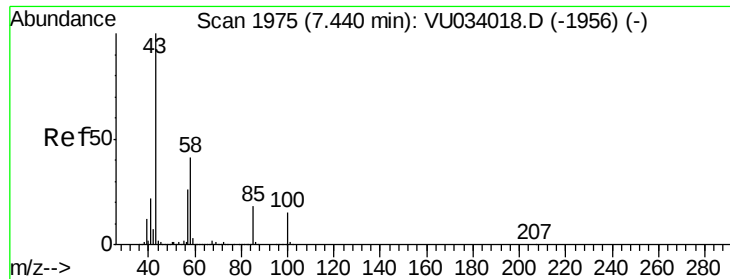
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#50
Toluene-d8
Concen: 49.042 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 97.189 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 43 Resp: 732444

Ion Ratio Lower Upper

43 100

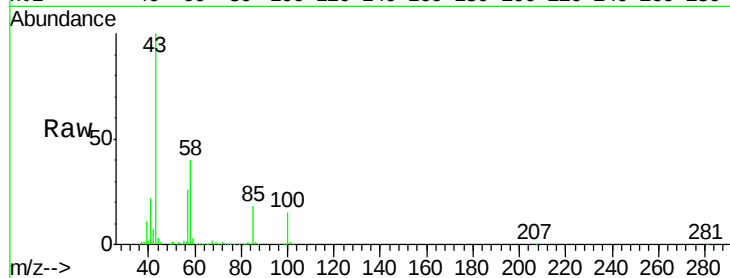
58 40.4 32.2 48.4

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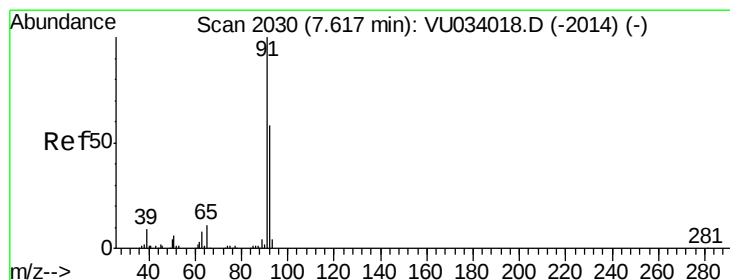
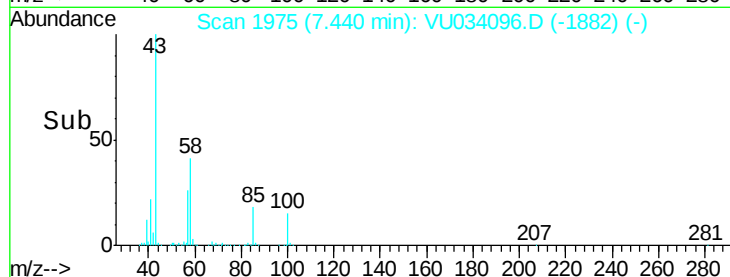
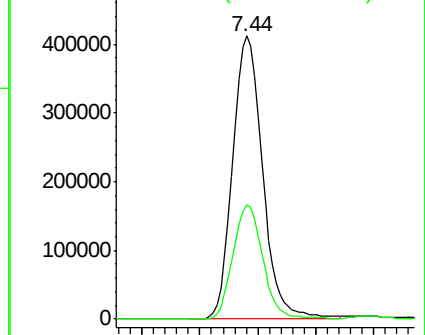
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.860 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034096.D

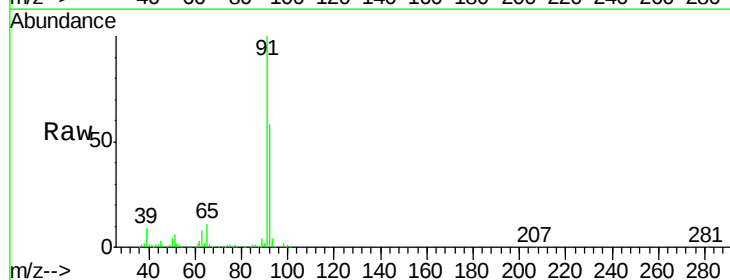
Acq: 30 Aug 2019 14:21

Tgt Ion: 92 Resp: 249037

Ion Ratio Lower Upper

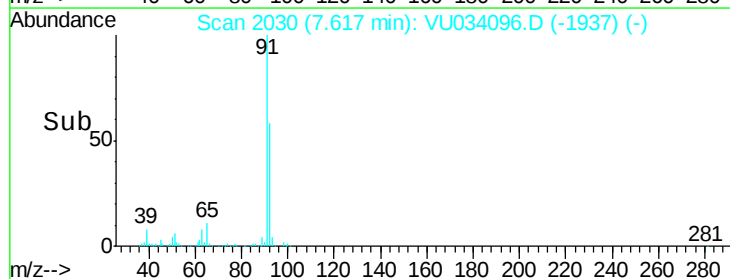
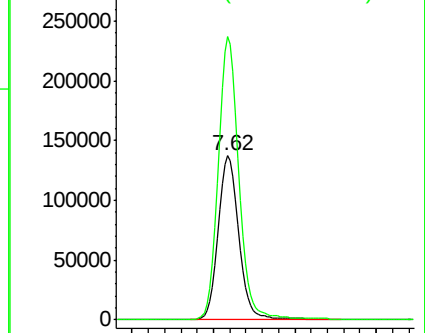
92 100

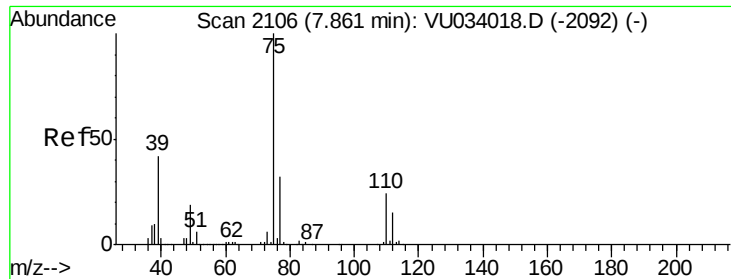
91 170.2 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





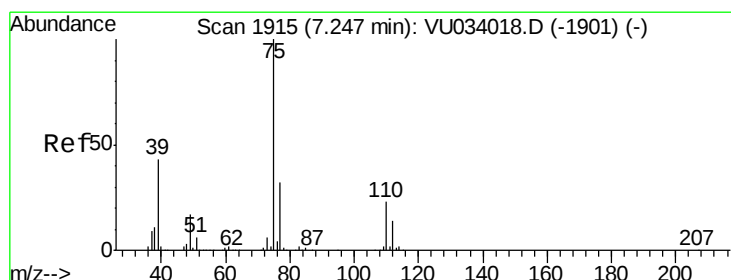
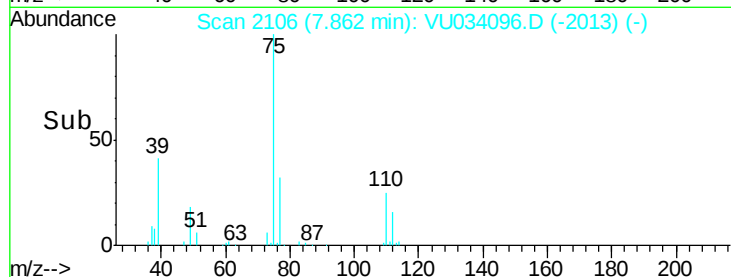
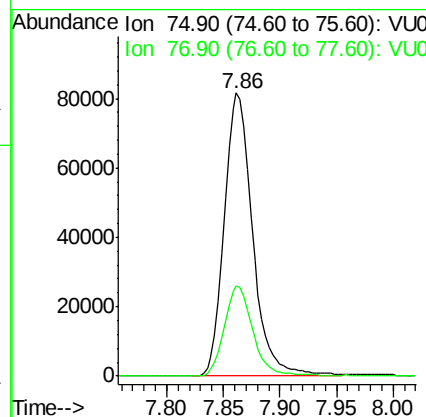
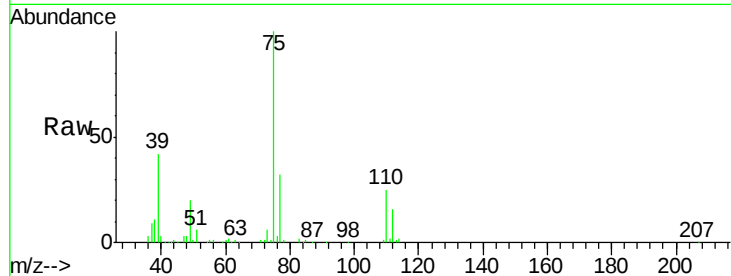
#53
 t-1,3-Dichloropropene
 Concen: 19.133 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion: 75 Resp: 142760
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0

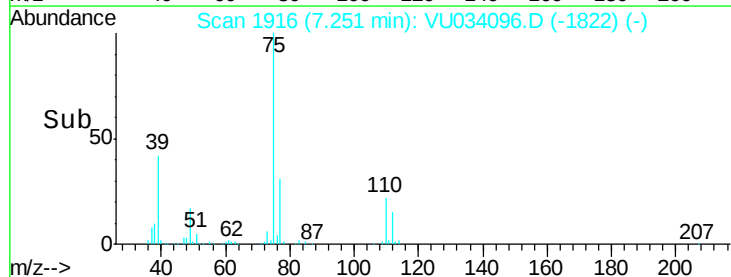
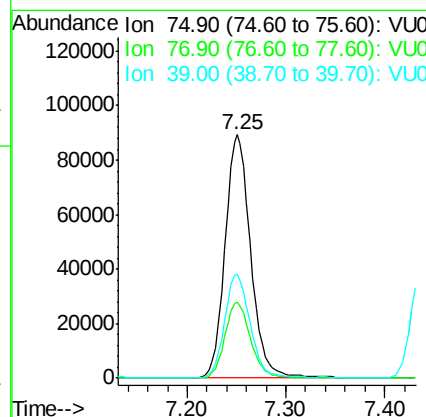
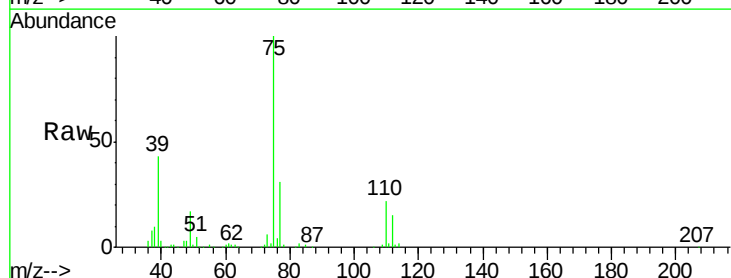
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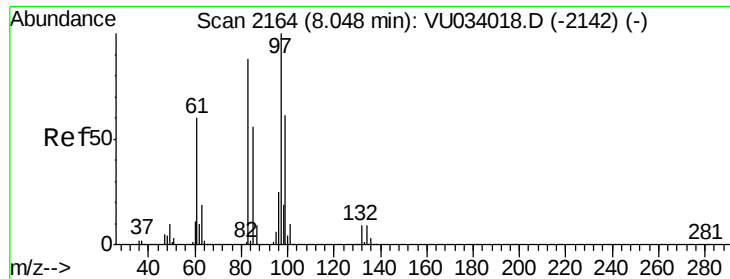
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#54
 cis-1,3-Dichloropropene
 Concen: 20.008 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion: 75 Resp: 163097
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 42.3 34.6 51.8





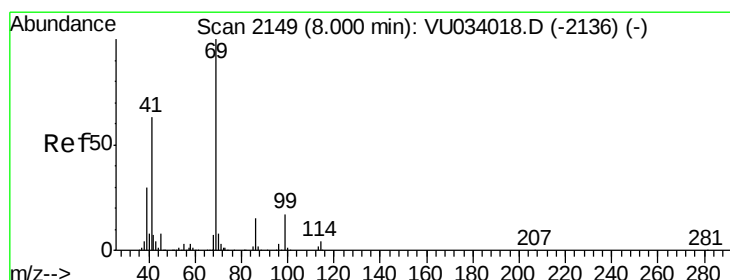
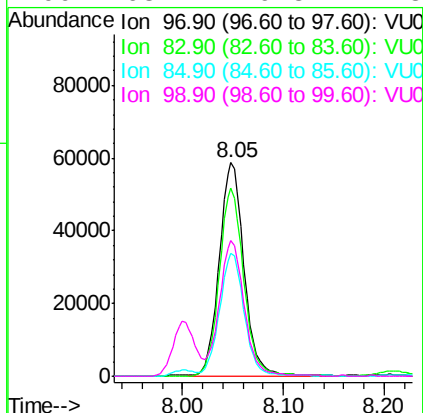
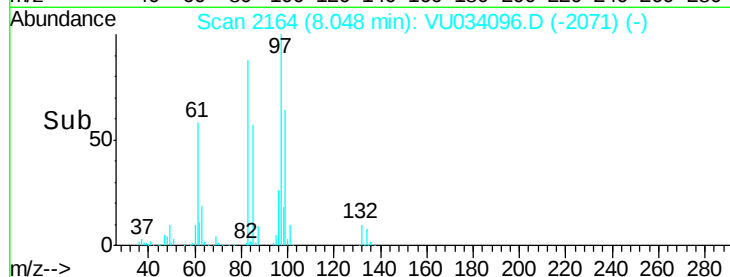
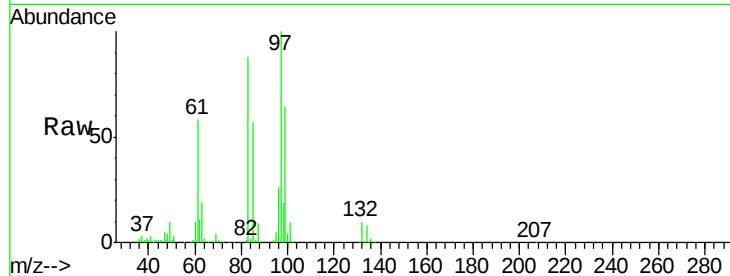
#55
 1,1,2-Trichloroethane
 Concen: 19.737 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion:	97	Resp:	99668
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.1	105.1
85	57.4	45.0	67.4
99	63.4	49.8	74.8

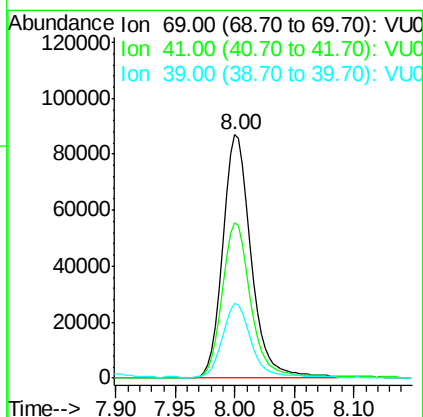
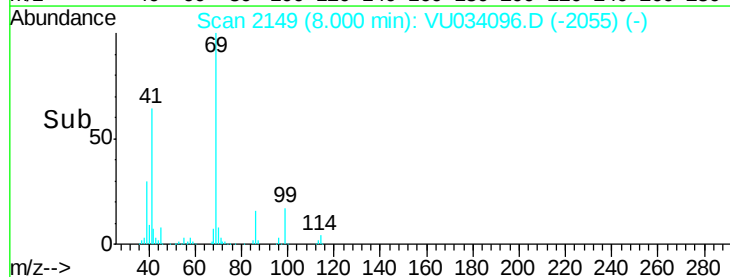
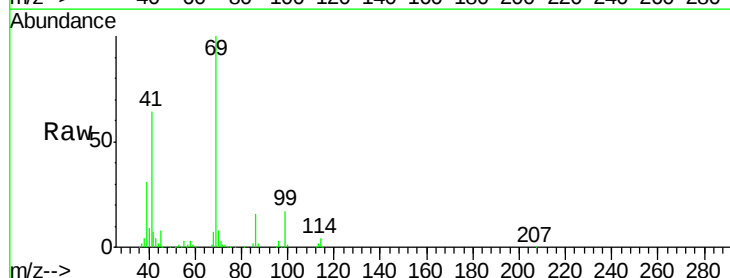
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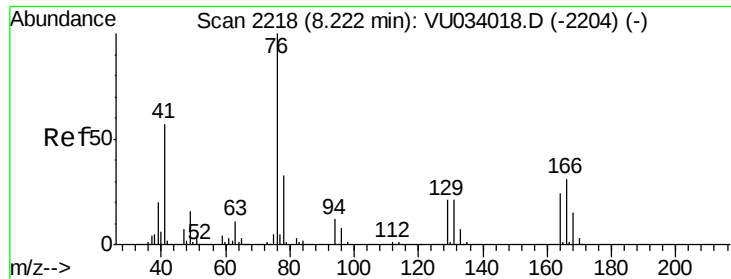
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#56
 Ethyl methacrylate
 Concen: 17.851 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion:	69	Resp:	144191
Ion	Ratio	Lower	Upper
69	100		
41	64.5	50.7	76.1
39	30.1	24.2	36.2





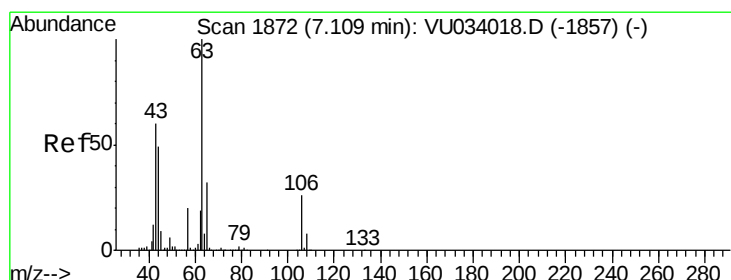
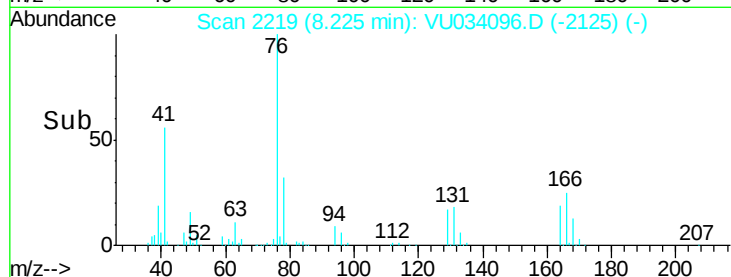
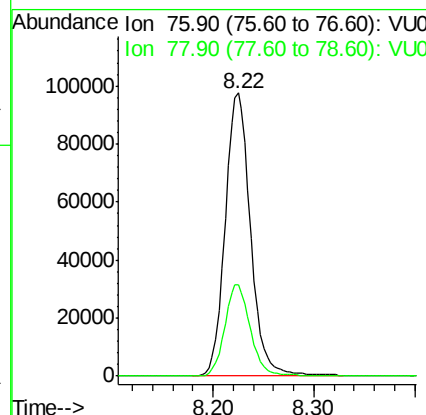
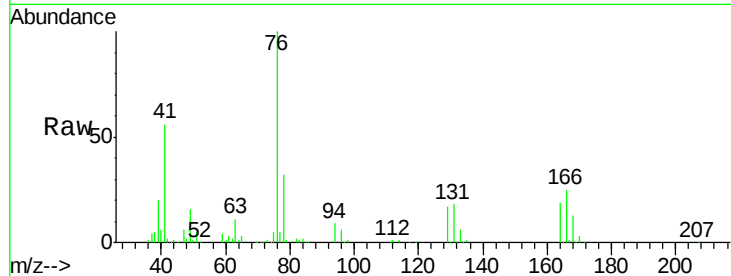
#57
 1,3-Dichloropropane
 Concen: 20.023 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion: 76 Resp: 171682
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

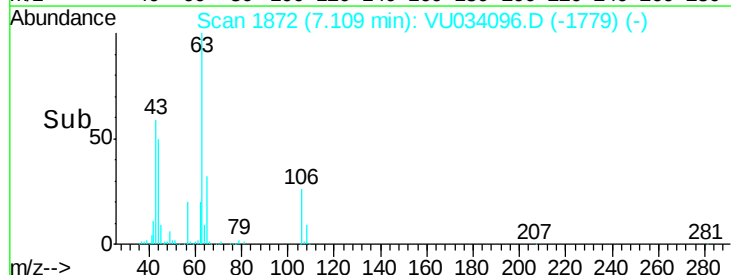
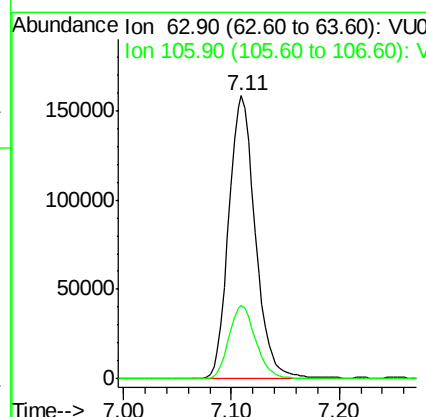
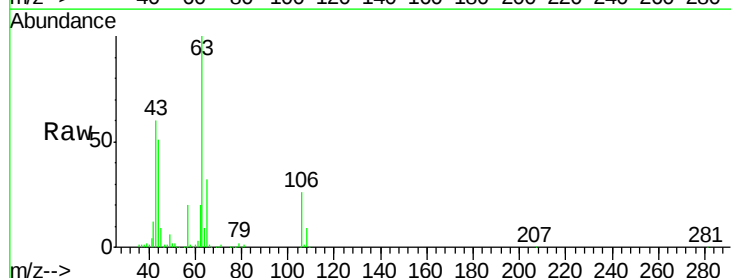
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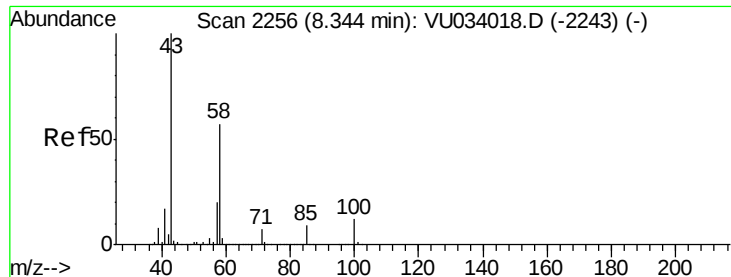
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.877 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion: 63 Resp: 273442
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1





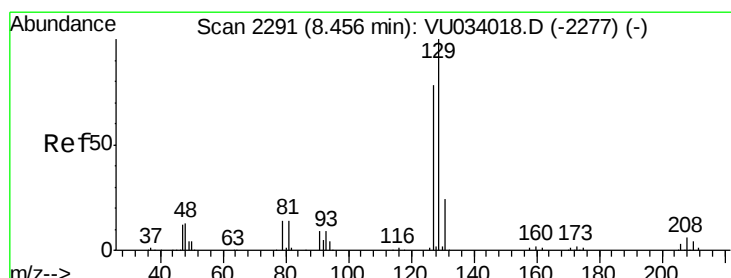
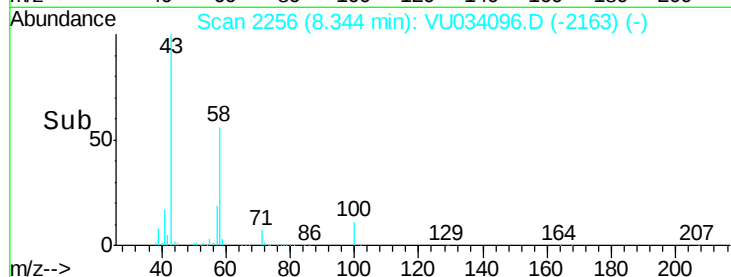
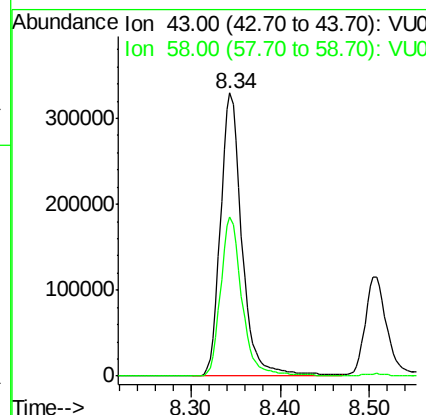
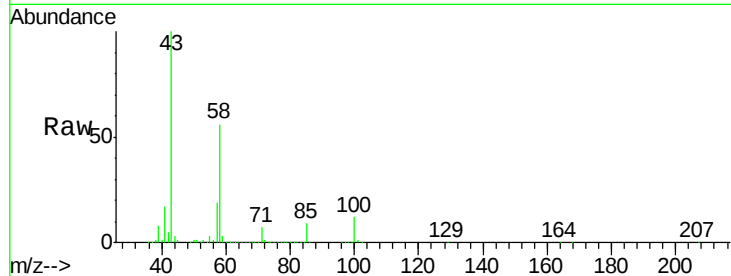
#59
2-Hexanone
Concen: 96.818 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampled :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.4	85.3

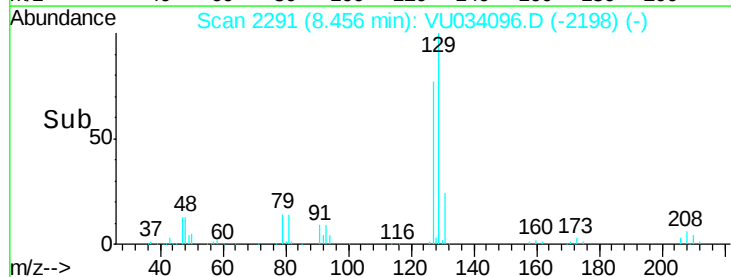
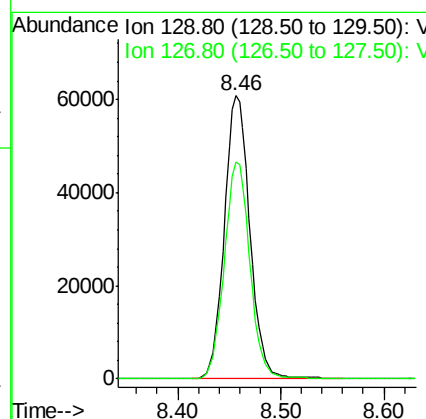
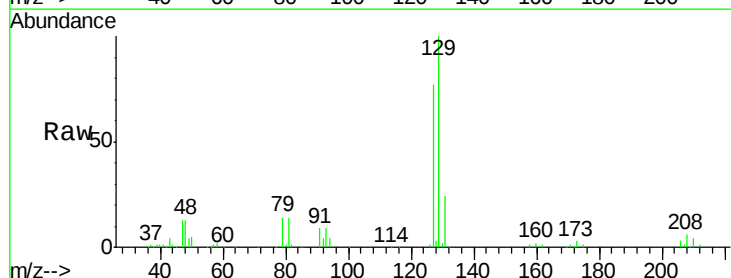
Manual Integrations
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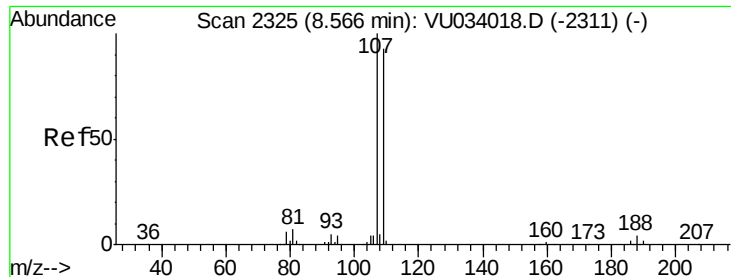
MMDadoda
8/31/2019 11:24:42 AM



#60
Dibromochloromethane
Concen: 19.317 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.0	116.9





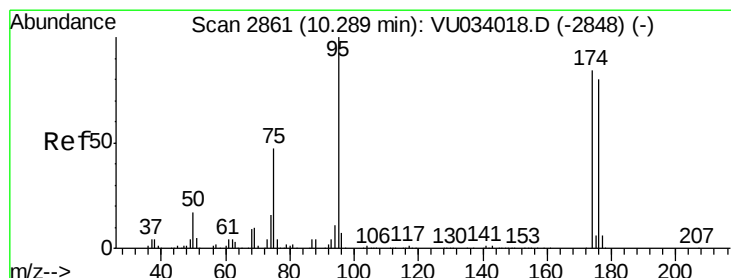
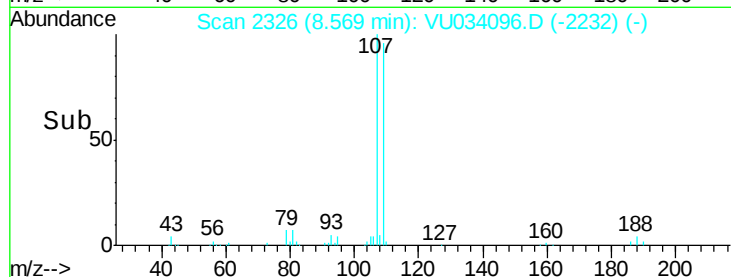
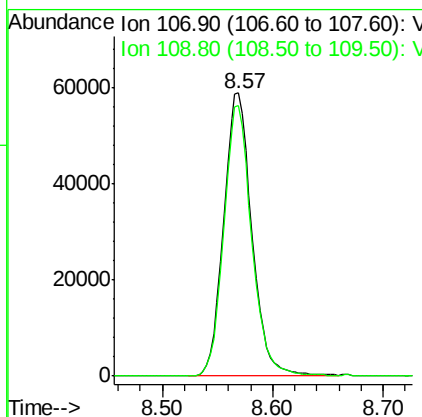
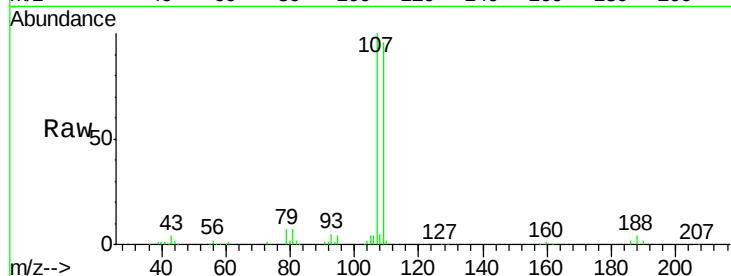
#61
 1,2-Dibromoethane
 Concen: 19.697 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104777		
109	94.5	75.2	112.8	

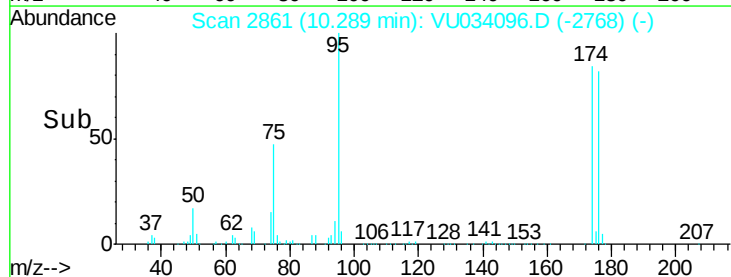
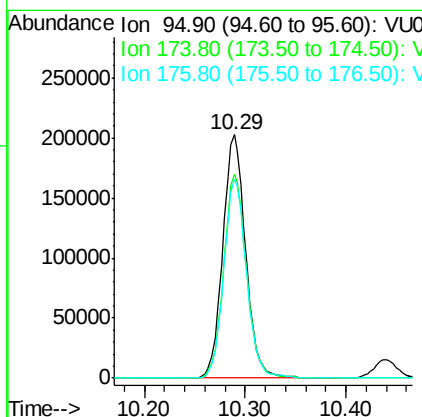
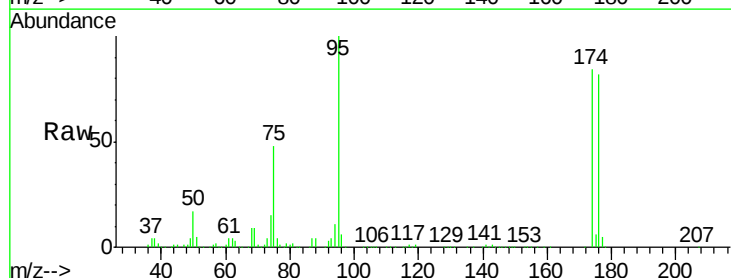
Manual Integrations
 APPROVED

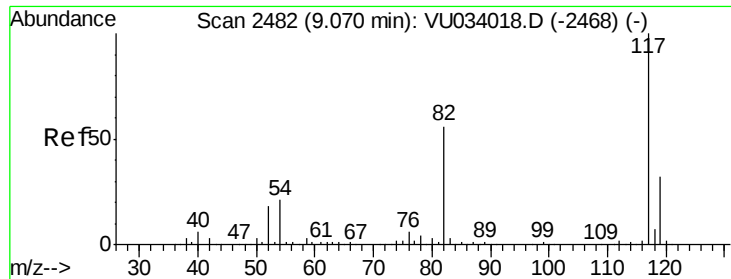
MMDadoda
 8/31/2019 11:24:42 AM



#62
 4-Bromofluorobenzene
 Concen: 46.873 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	320672		
174	84.1	0.0	168.8	
176	81.7	0.0	161.8	





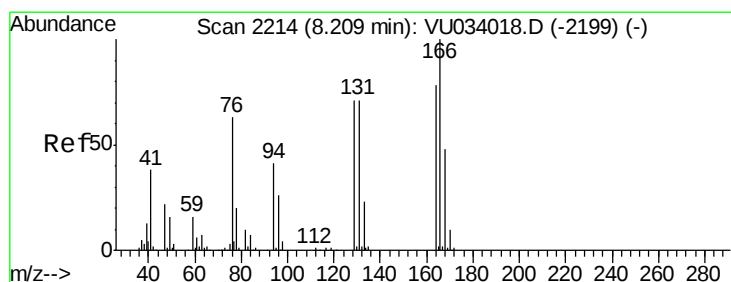
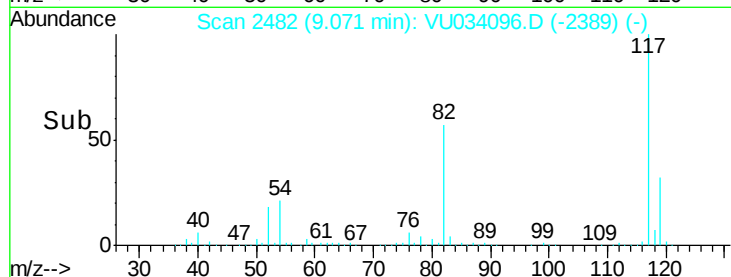
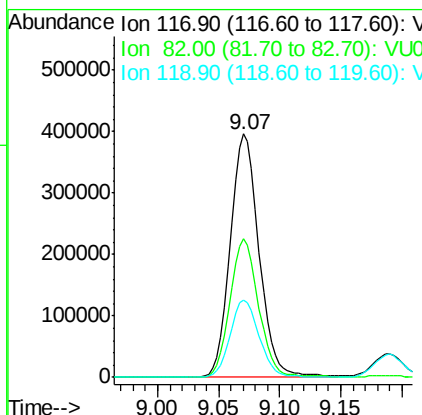
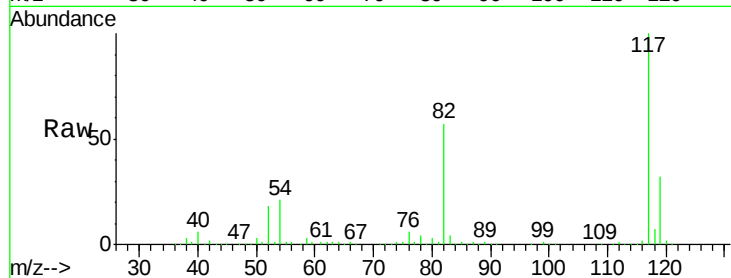
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.1	67.7
119	32.0	25.4	38.0

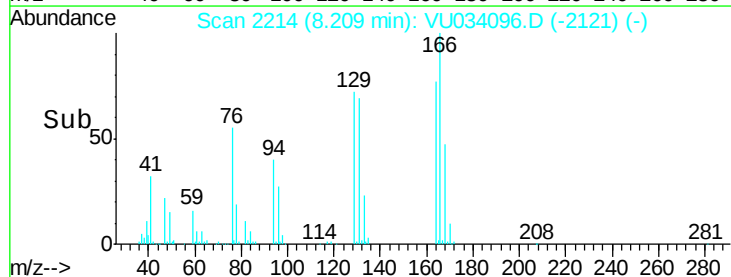
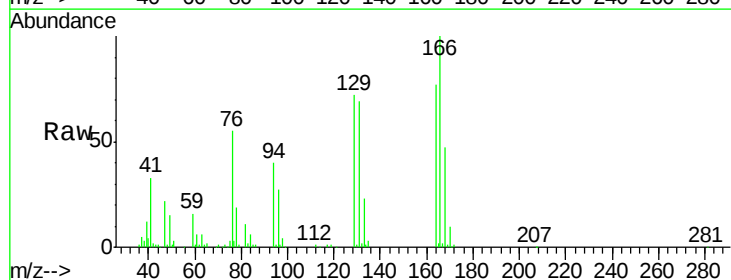
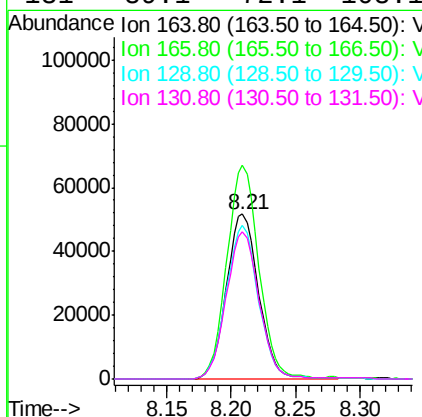
Manual Integrations
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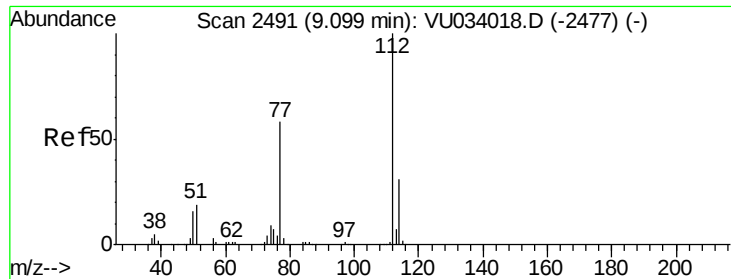
MMDadoda
8/31/2019 11:24:42 AM



#64
Tetrachloroethene
Concen: 20.484 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.2	153.2
129	93.4	72.4	108.6
131	89.1	72.1	108.1





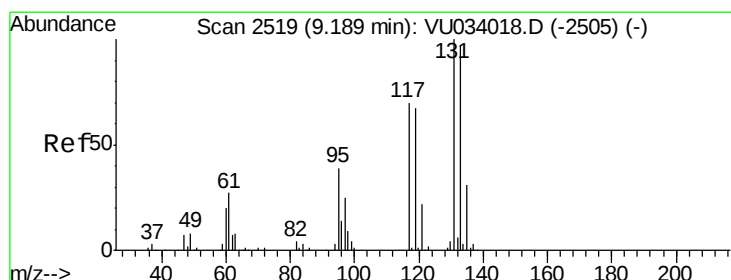
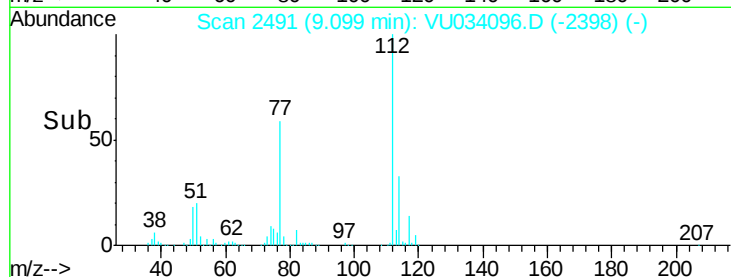
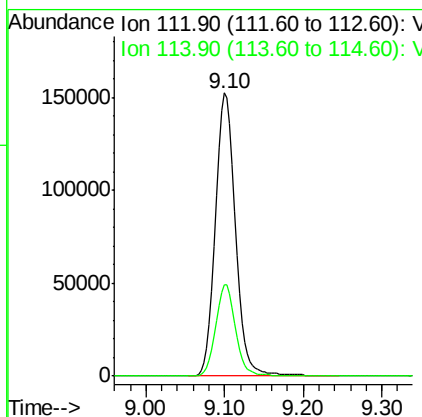
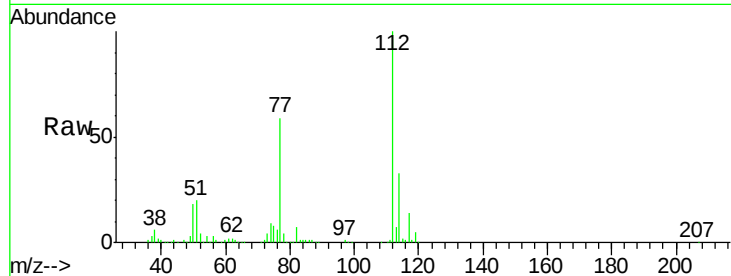
#65
Chlorobenzene
Concen: 19.958 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	268504		
114	32.5	25.0	37.4	

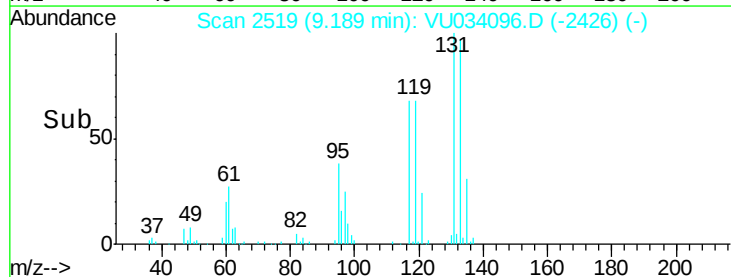
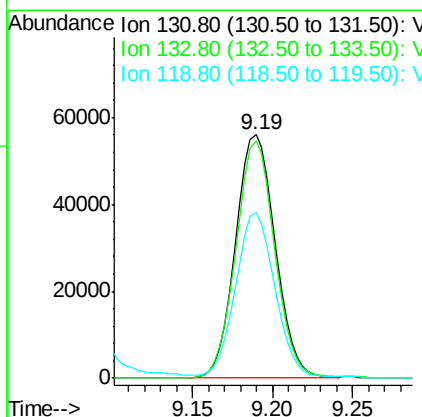
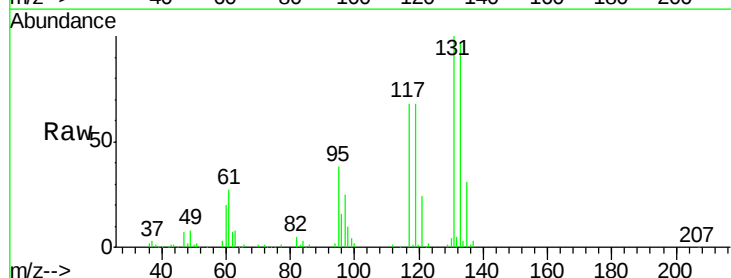
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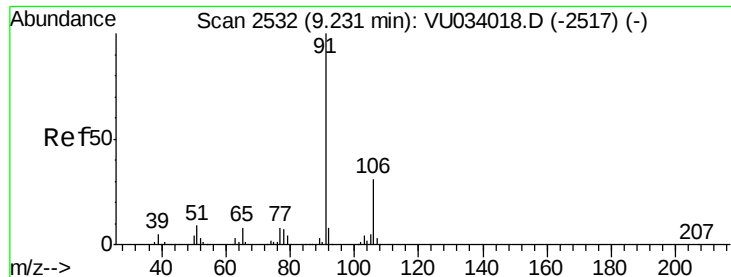
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.487 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95066		
133	95.7	48.4	145.2	
119	66.3	33.6	100.6	





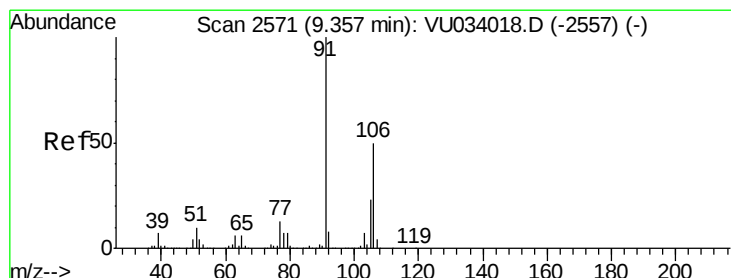
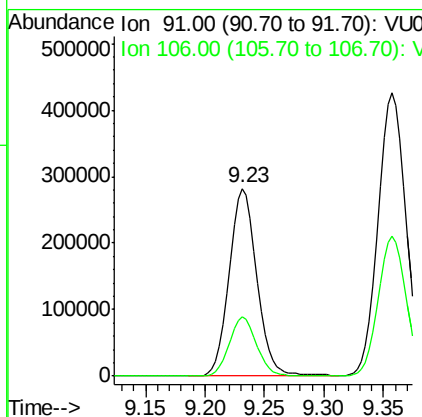
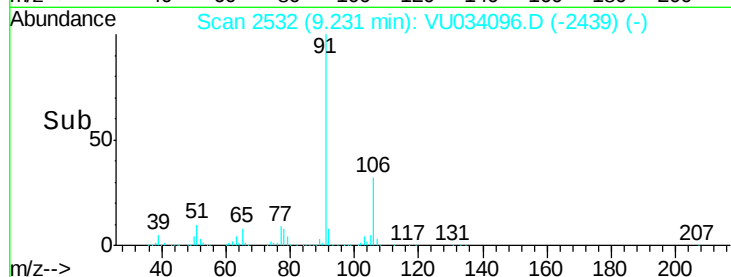
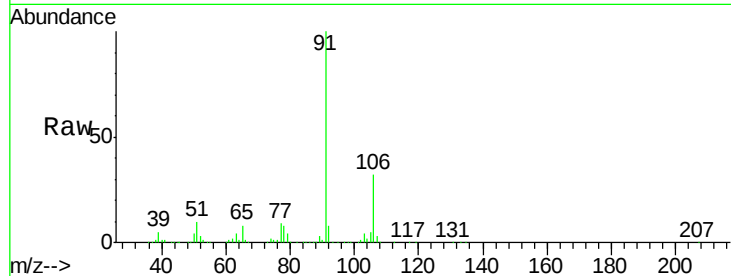
#67
Ethyl Benzene
Concen: 19.996 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion: 91 Resp: 456022
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

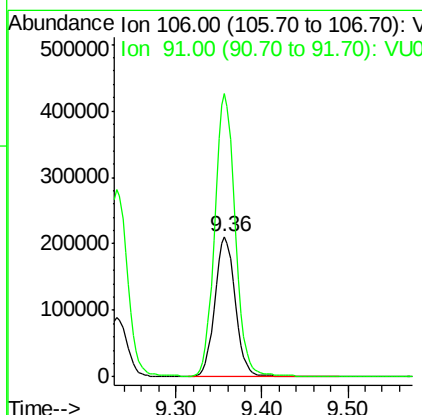
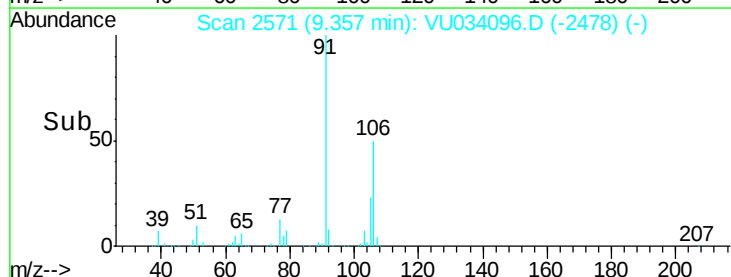
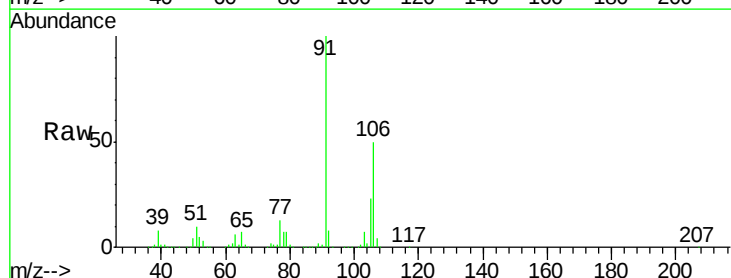
Manual Integrations
APPROVED

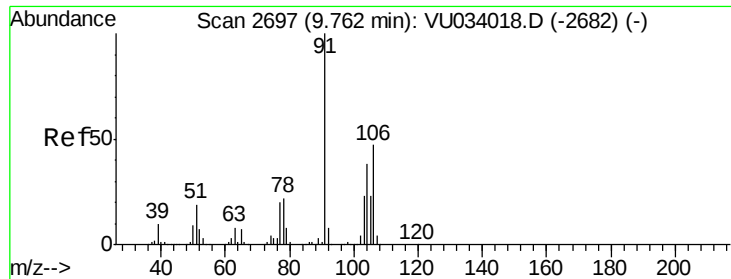
MMDadoda
8/31/2019 11:24:42 AM



#68
m/p-Xylenes
Concen: 40.571 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion: 106 Resp: 351815
Ion Ratio Lower Upper
106 100
91 201.5 161.6 242.4





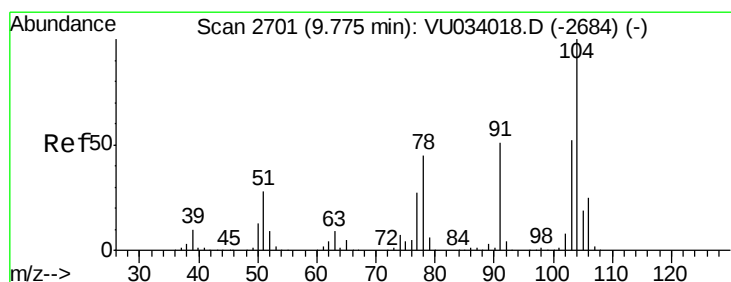
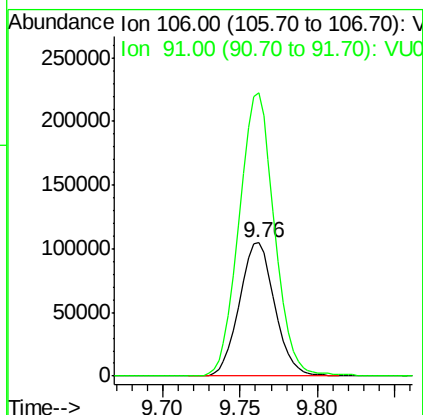
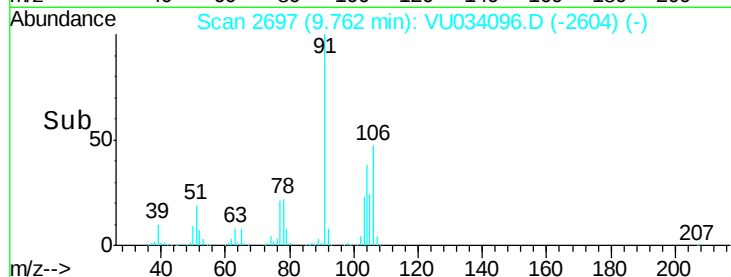
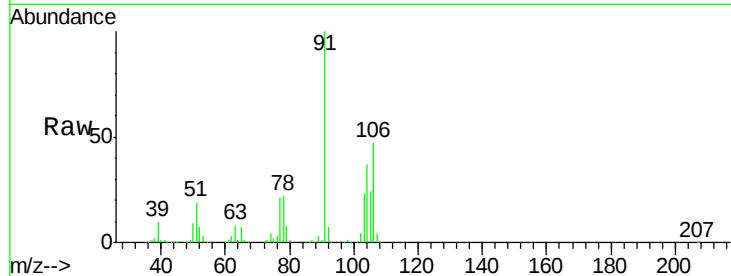
#69
o-Xylene
Concen: 20.031 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	166646		
91	91	213.0	106.0	318.0	

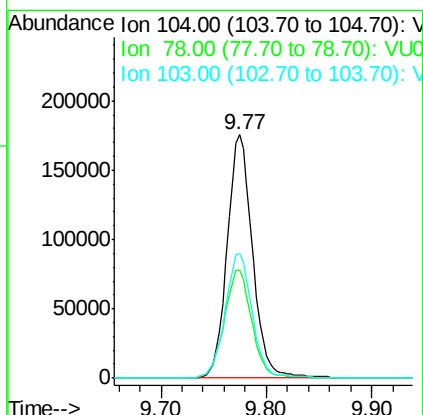
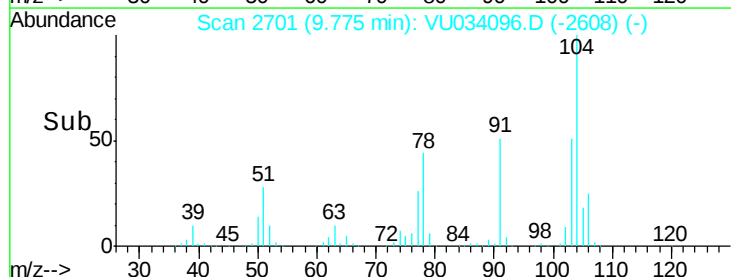
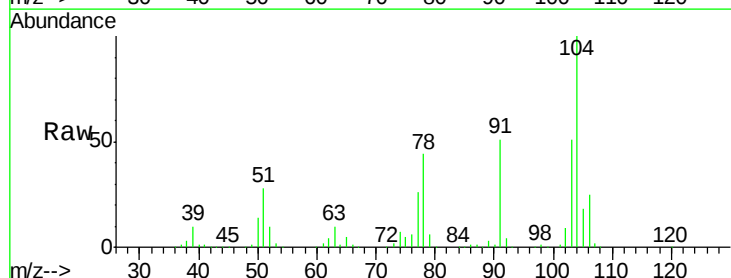
Manual Integrations
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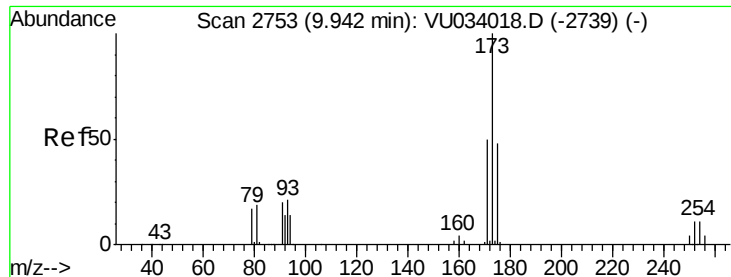
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#70
Styrene
Concen: 20.445 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	291644		
78	78	48.5	39.0	58.4	
103	103	54.9	44.0	66.0	





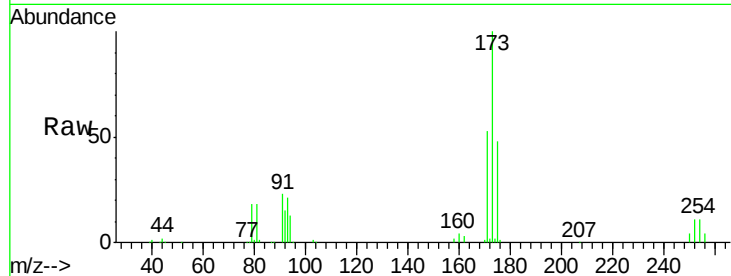
#71
Bromoform
Concen: 18.525 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

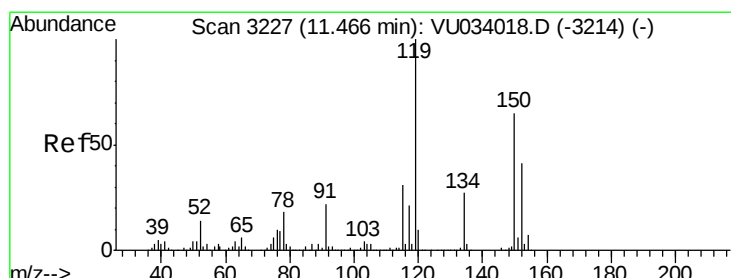
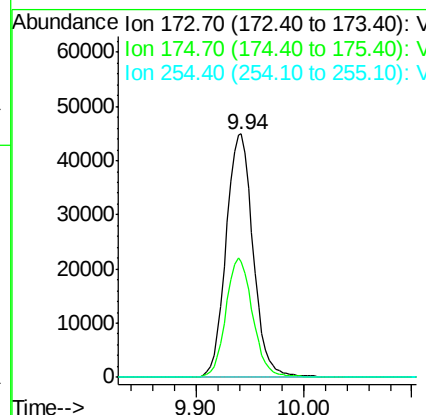
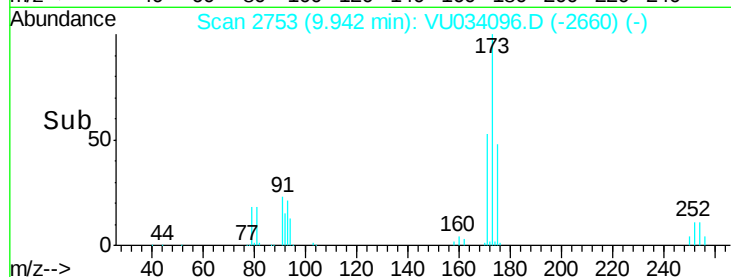
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.5	24.6	73.6	
254	0.0	0.0	0.0	

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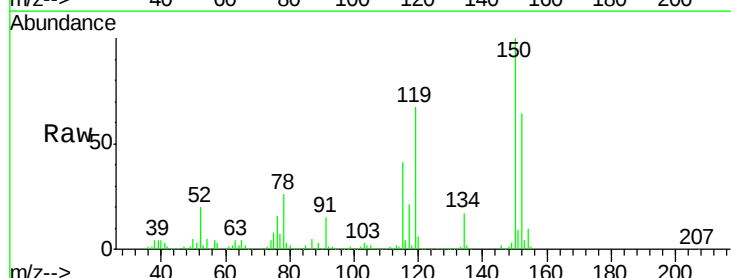


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

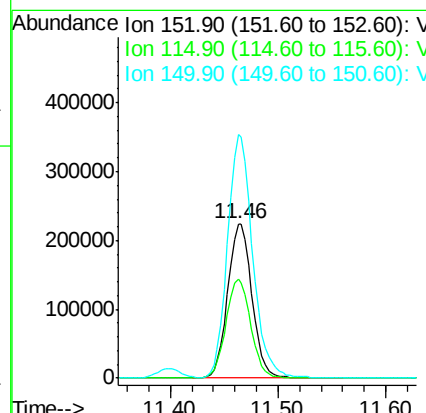
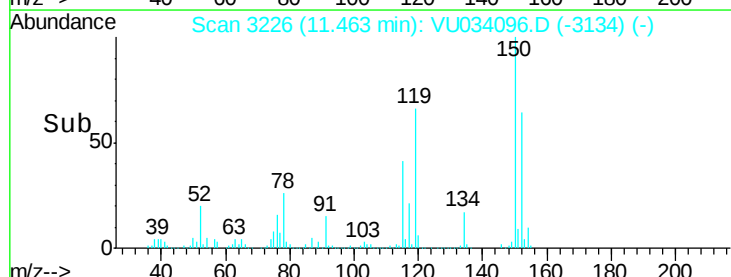


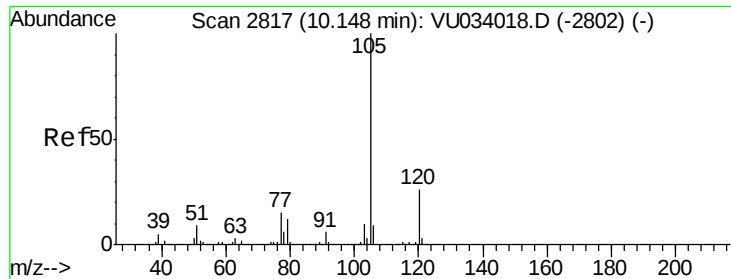
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	65.8	41.1	123.3	
150	163.1	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





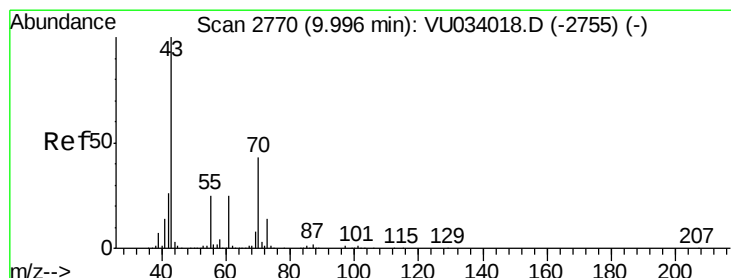
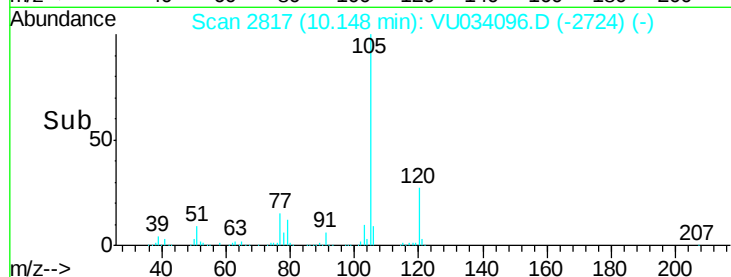
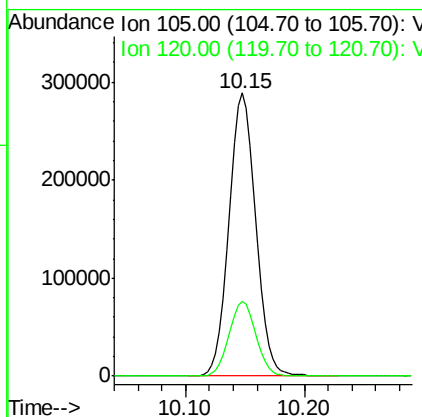
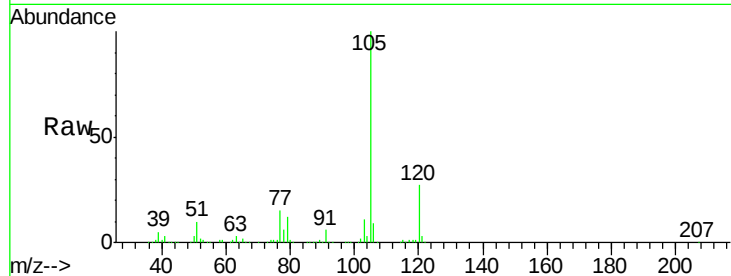
#73
Isopropylbenzene
Concen: 19.076 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	450601		
120	26.6	13.3	39.8	

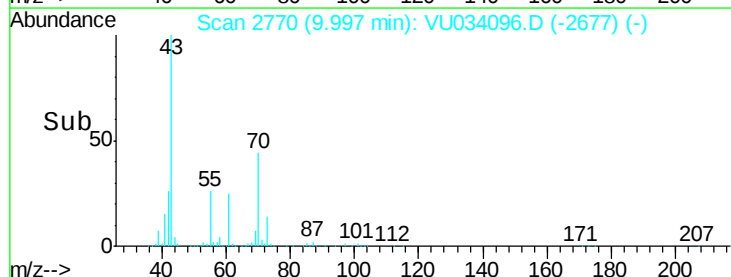
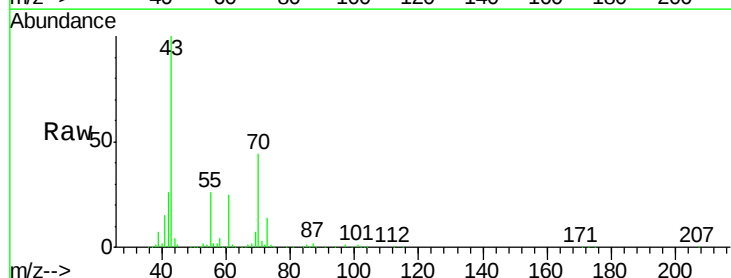
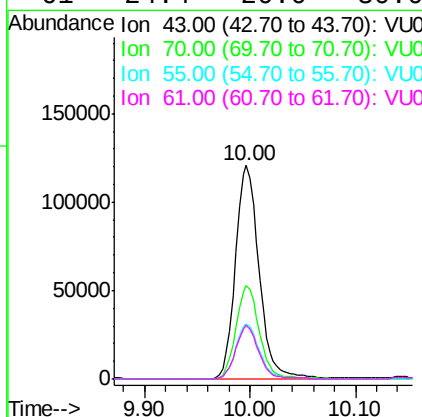
Manual Integrations
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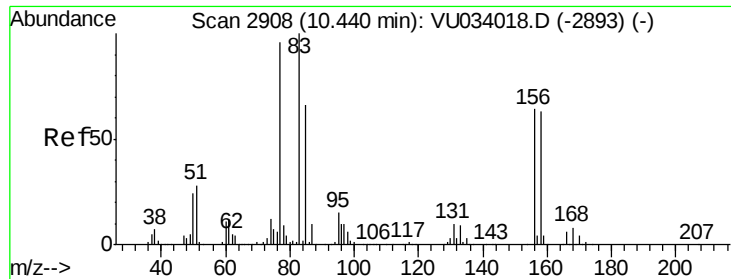
MMDadoda
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#74
N-ethyl acetate
Concen: 18.876 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	187533		
70	43.2	35.2	52.8	
55	25.8	20.5	30.7	
61	24.4	20.0	30.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.658 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleID :

VU0831WBSD01

Tot Ion: 83 Resp: 168690
Ion Ratio Lower Upper

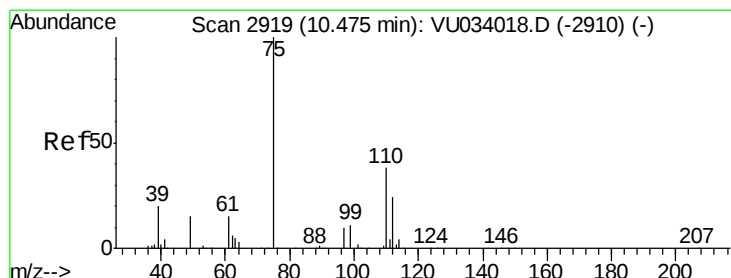
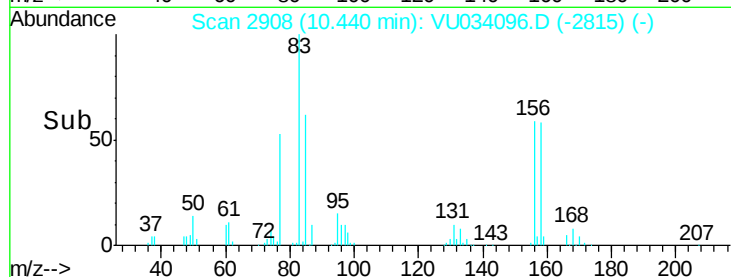
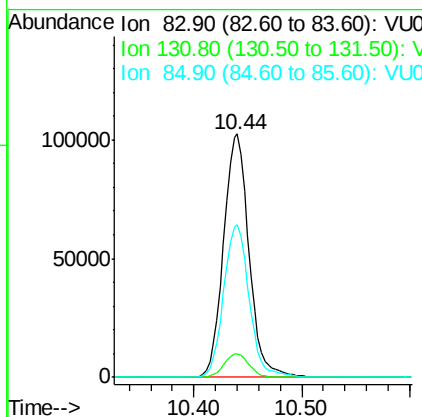
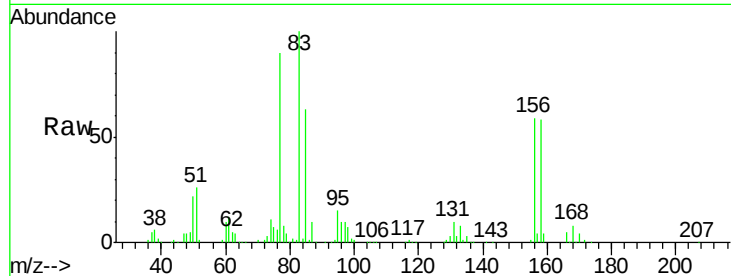
83 100

131 9.4 5.0 14.9

85 63.2 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 17.844 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

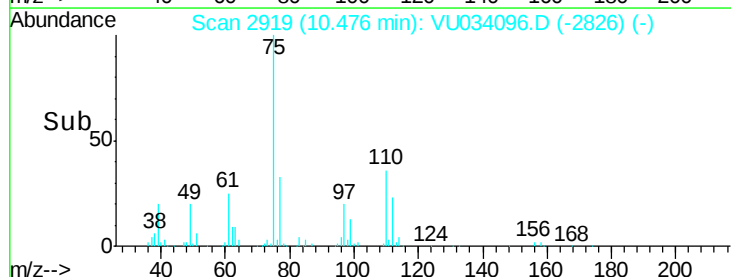
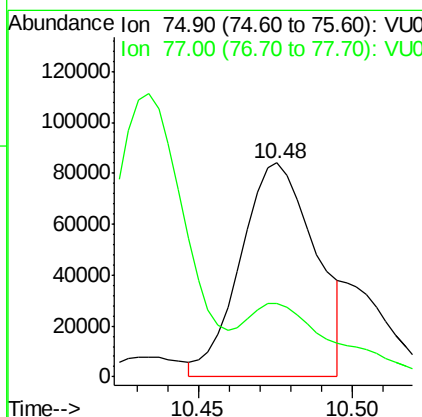
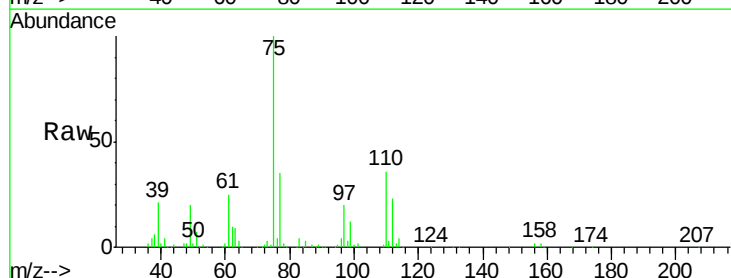
Lab File: VU034096.D

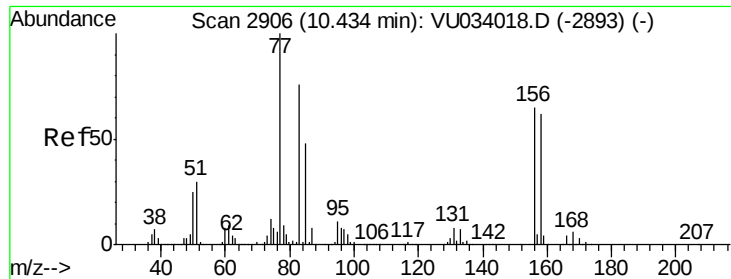
Acq: 30 Aug 2019 14:21

Tgt Ion: 75 Resp: 141430
Ion Ratio Lower Upper

75 100

77 42.5 20.1 60.2





#77

Bromobenzene

Concen: 18.550 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

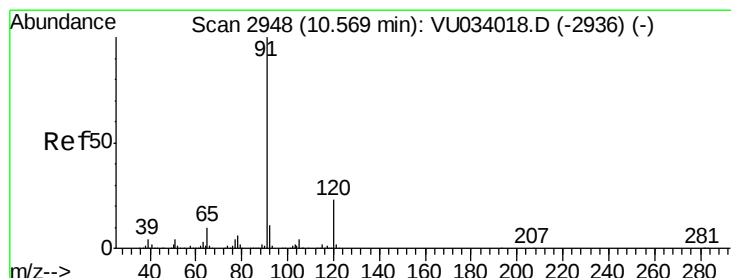
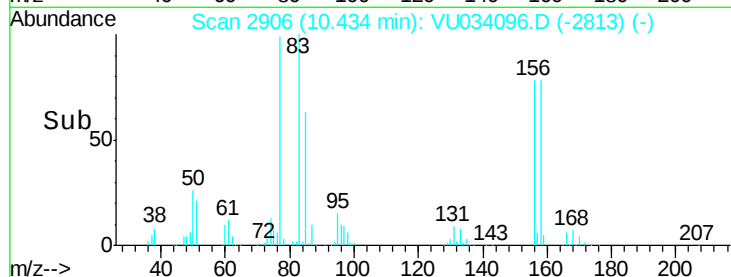
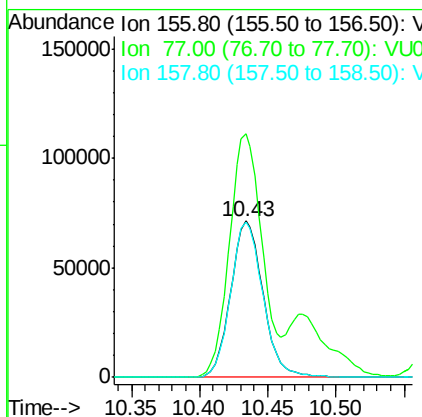
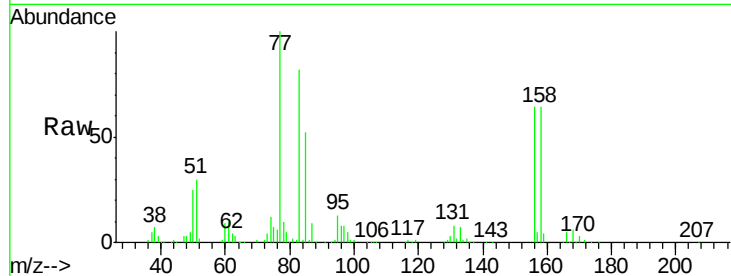
ClientSampleId :

VU0831WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	157.1	76.8	230.5		
158	99.0	48.4	145.0		

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#78

n-propylbenzene

Concen: 19.326 ug/l

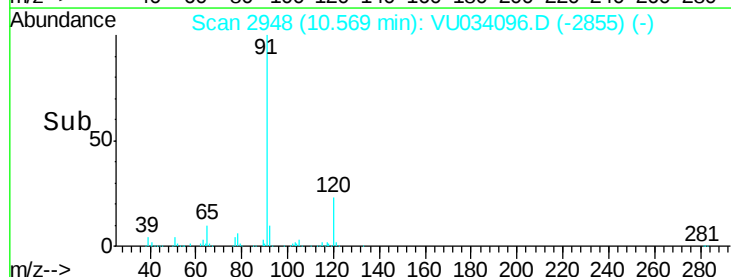
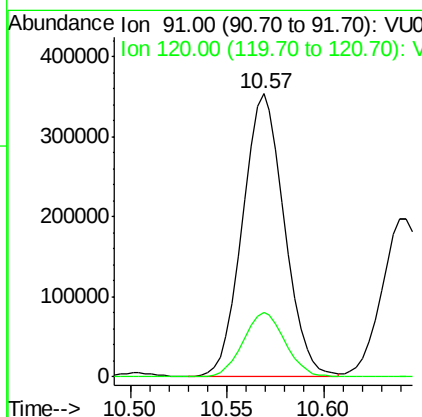
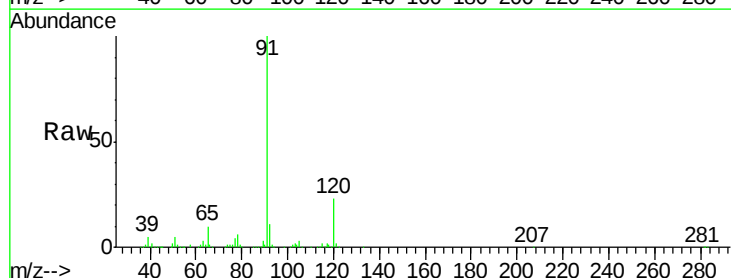
RT: 10.57 min Scan# 2948

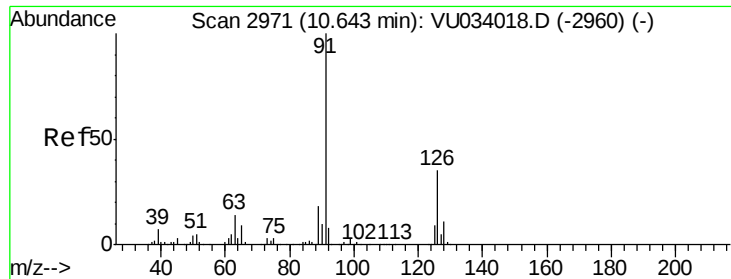
Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

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





#79

2-Chlorotoluene

Concen: 19.304 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

VU0831WBSD01

Tot Ion: 91 Resp: 318532

Ion Ratio Lower Upper

91 100

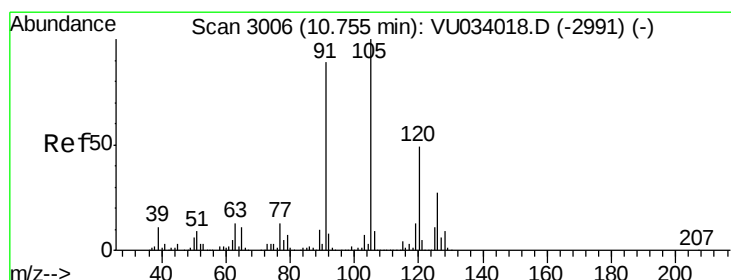
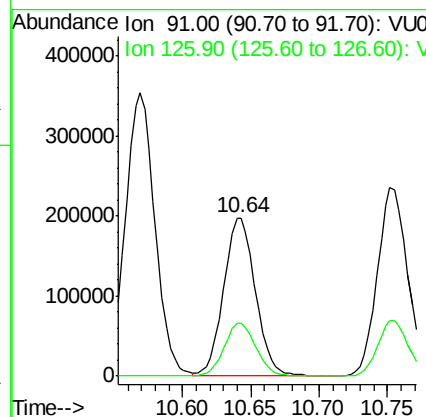
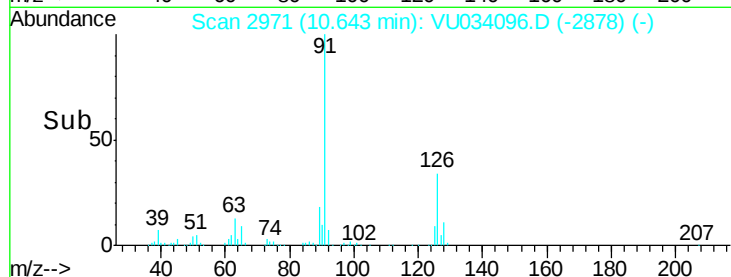
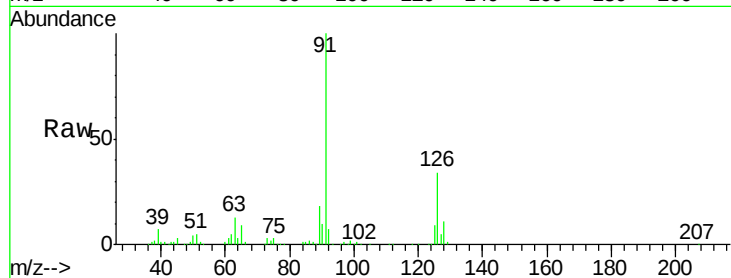
126 33.7 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.653 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034096.D

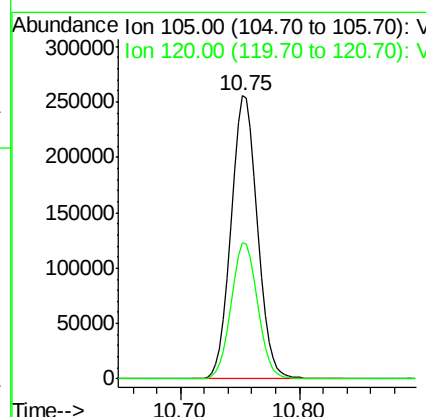
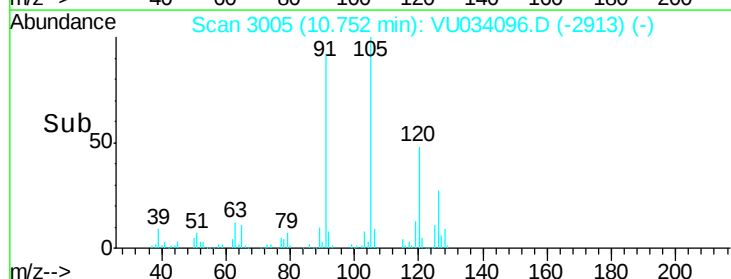
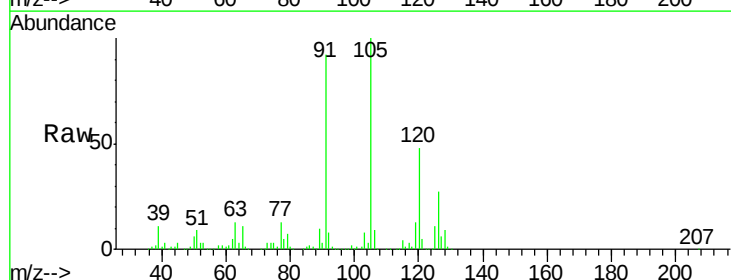
Acq: 30 Aug 2019 14:21

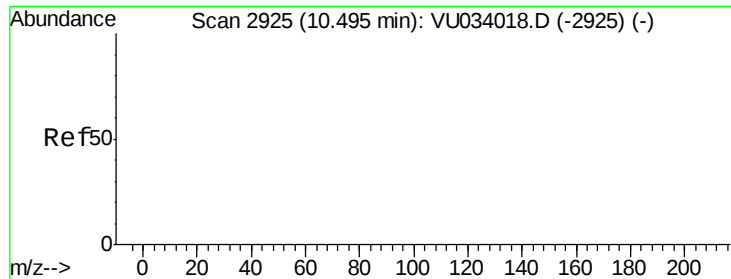
Tgt Ion: 105 Resp: 393465

Ion Ratio Lower Upper

105 100

120 48.5 24.6 73.6





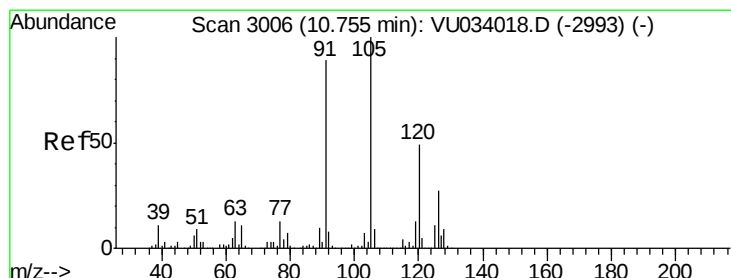
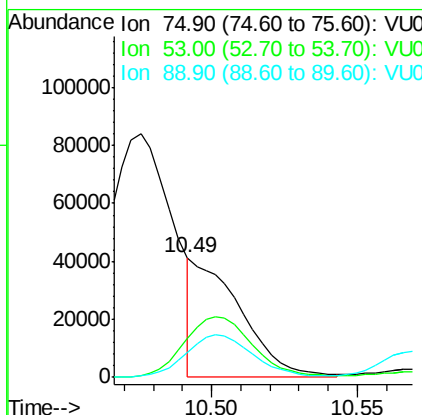
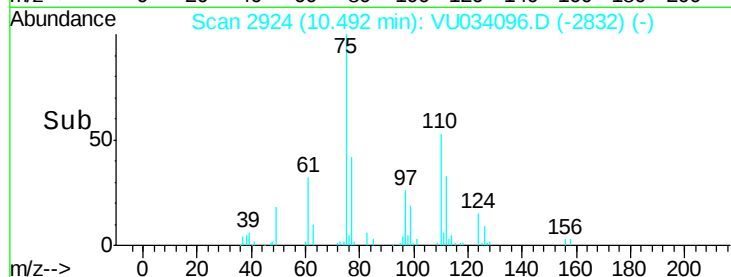
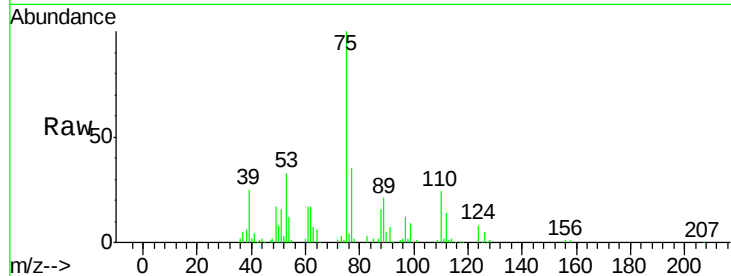
#81
trans-1,4-Dichloro-2-butene
Concen: 19.931 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

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

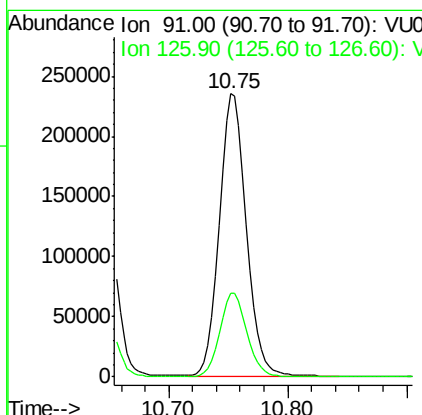
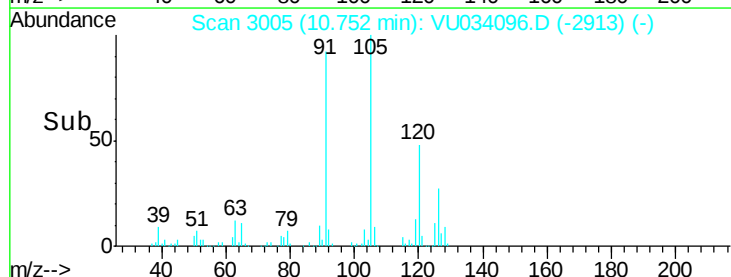
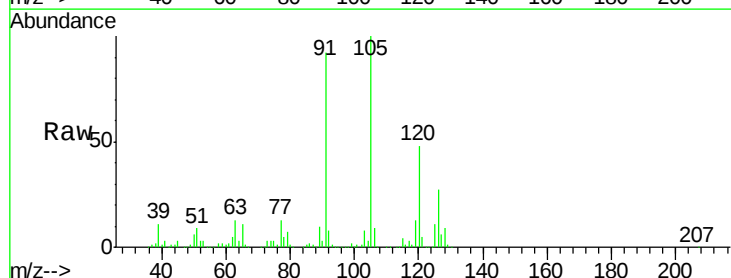
Manual Integrations
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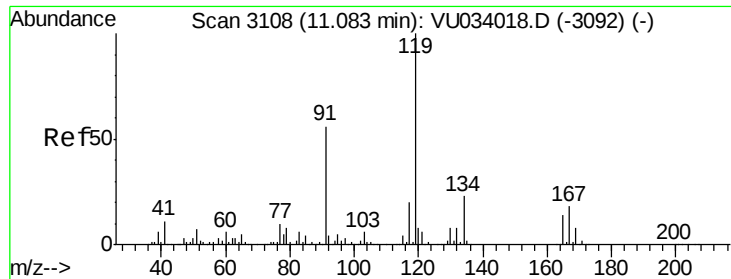
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#82
4-Chlorotoluene
Concen: 19.396 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.0	45.1





#83

tert-Butylbenzene

Concen: 18.619 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

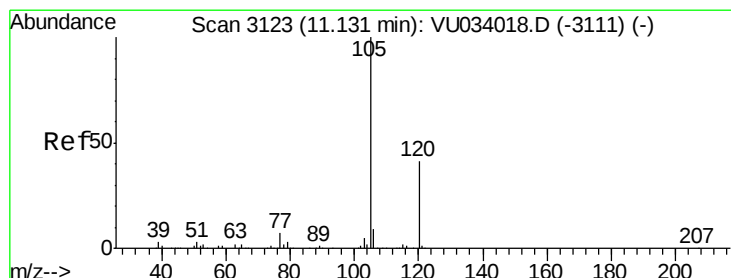
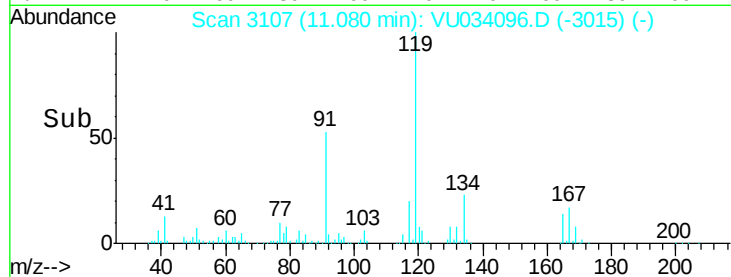
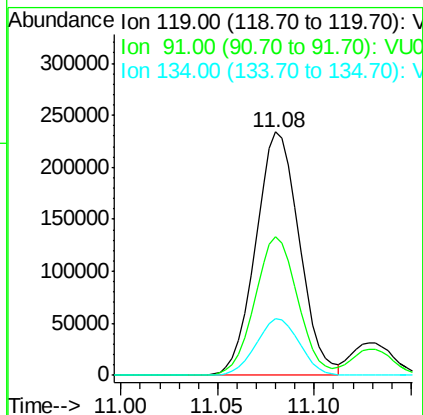
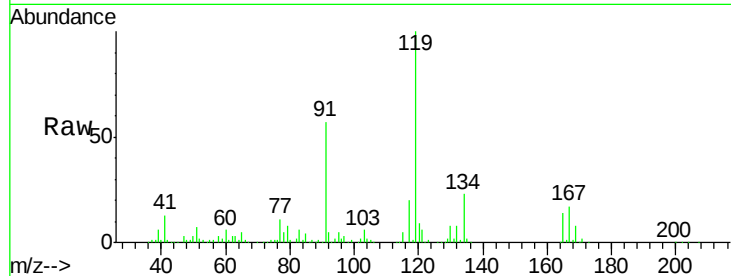
ClientSampleId :

VU0831WBSD01

Tot Ion:	119	Resp:	366965
Ion Ratio	Lower	Upper	
119	100		
91	55.7	27.9	83.6
134	23.1	11.4	34.2

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#84

1,2,4-Trimethylbenzene

Concen: 19.376 ug/l

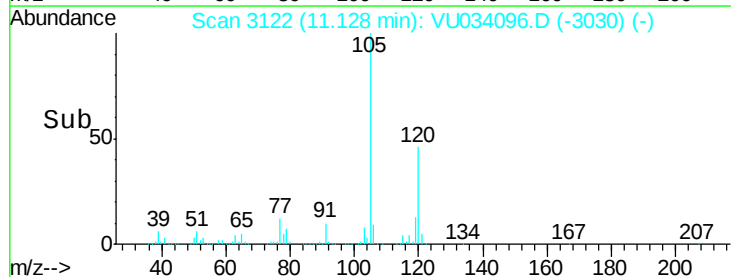
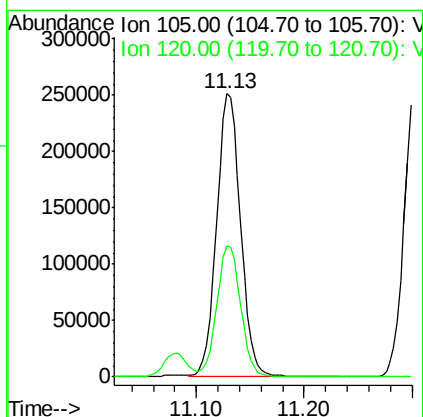
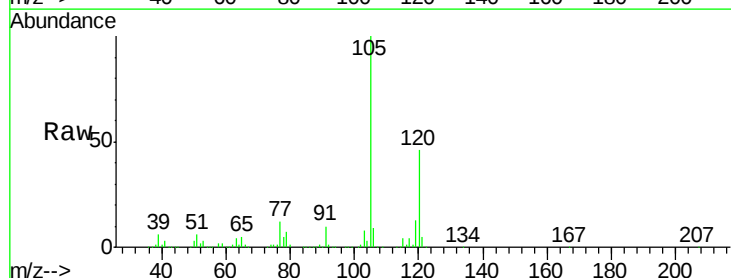
RT: 11.13 min Scan# 3122

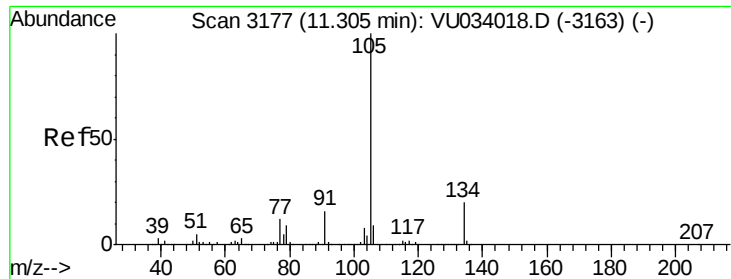
Delta R.T. -0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	105	Resp:	385206
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.6	67.8





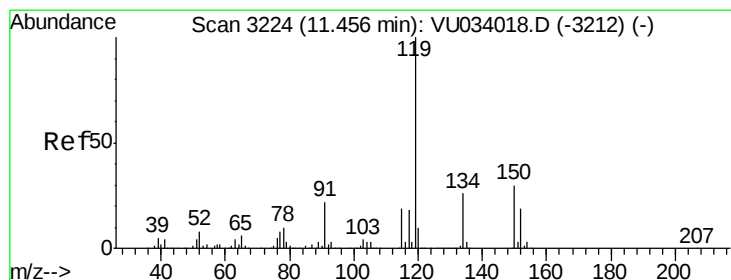
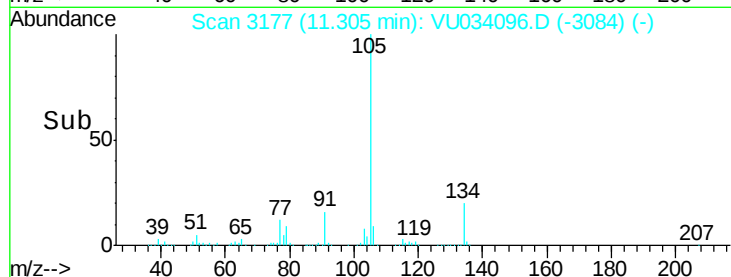
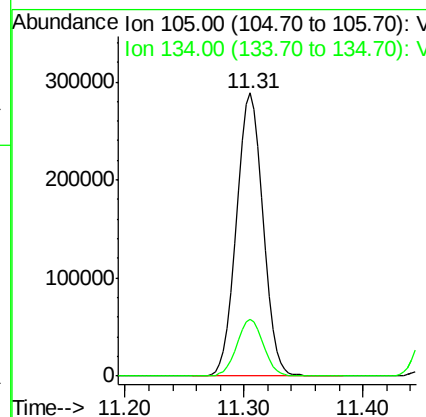
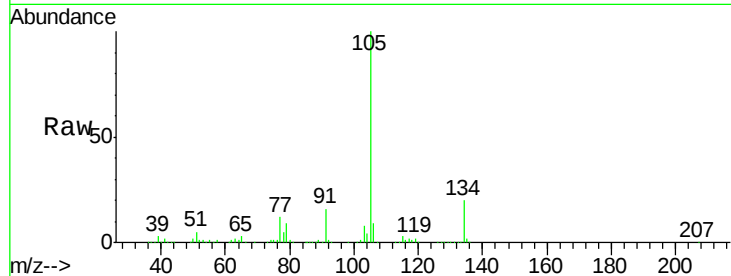
#85
 sec-Butylbenzene
 Concen: 18.869 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

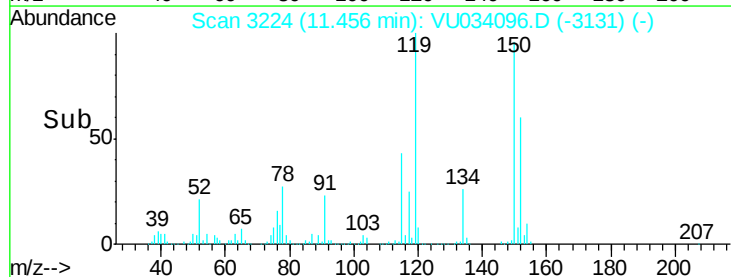
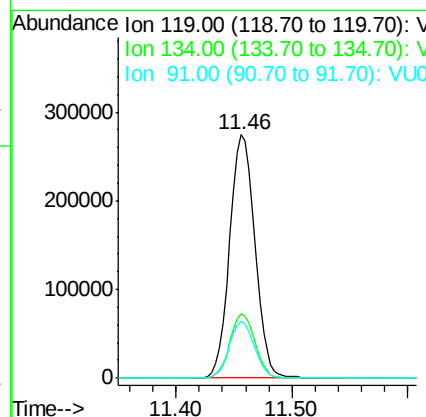
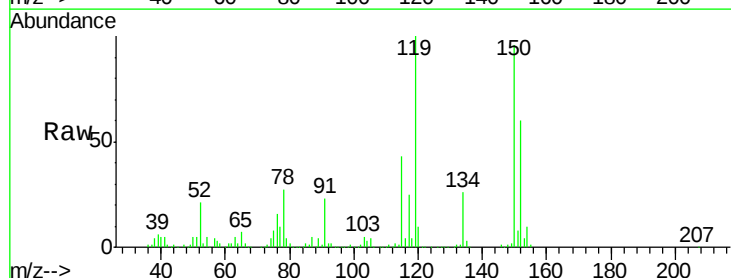
Manual Integrations
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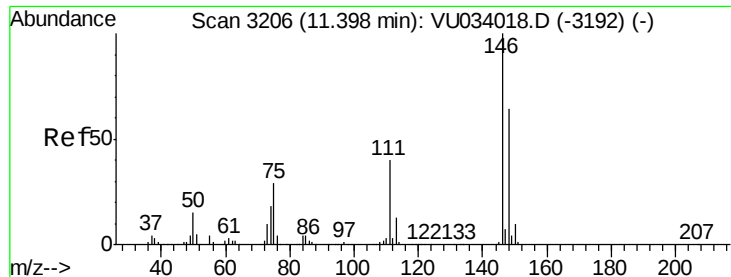
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#86
 p-Isopropyltoluene
 Concen: 19.368 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.0	11.2	33.6





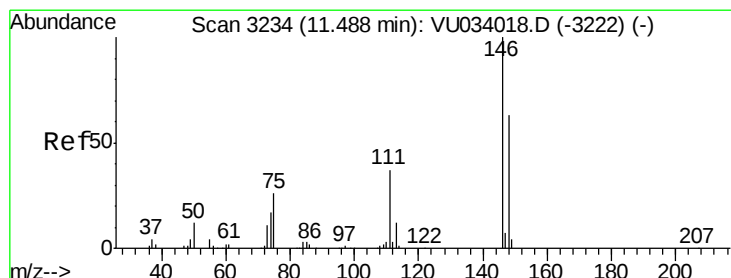
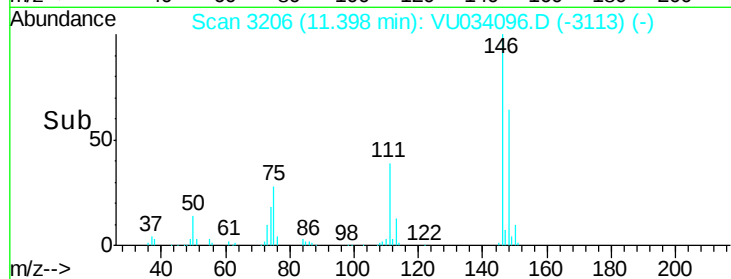
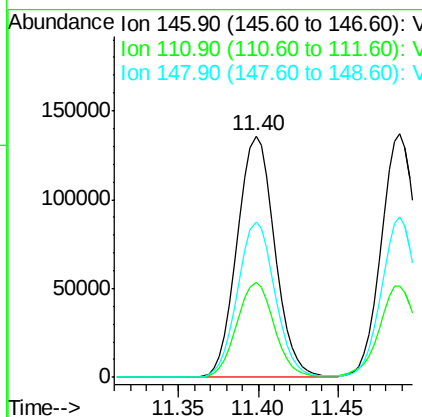
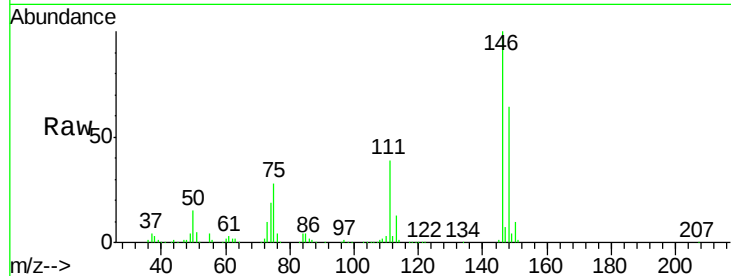
#87
 1,3-Dichlorobenzene
 Concen: 19.315 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.1	31.9	95.5

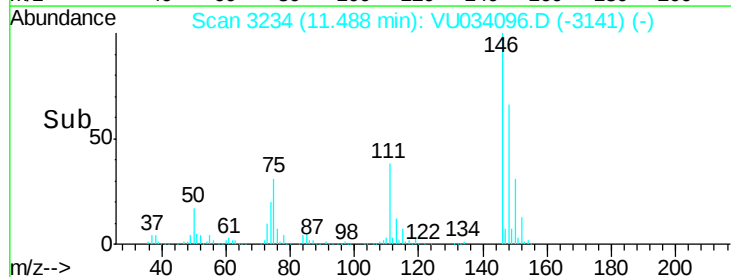
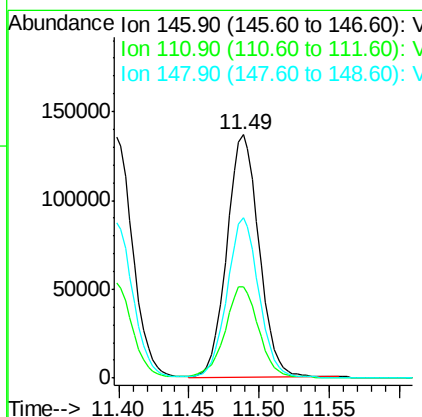
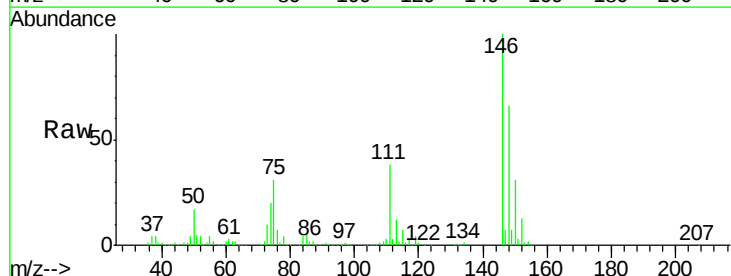
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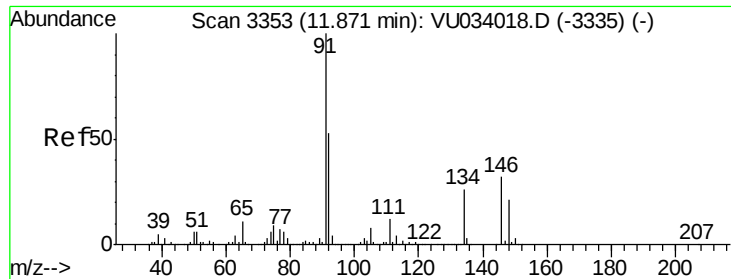
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#88
 1,4-Dichlorobenzene
 Concen: 19.171 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	65.2	31.9	95.9





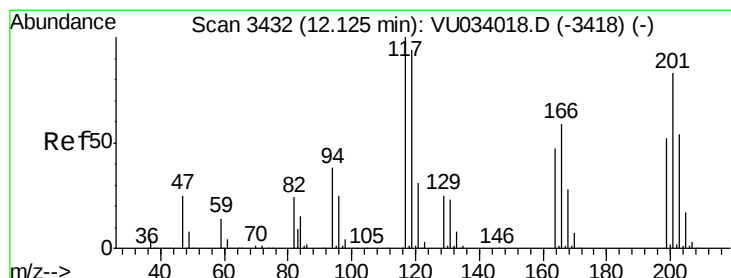
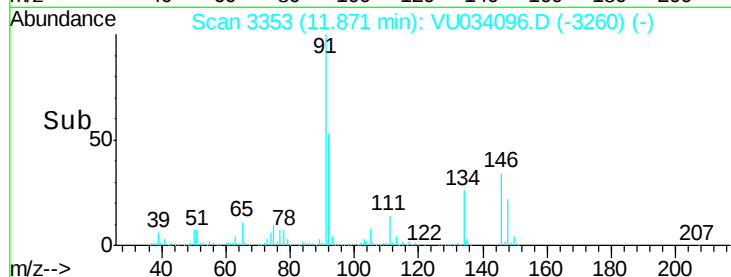
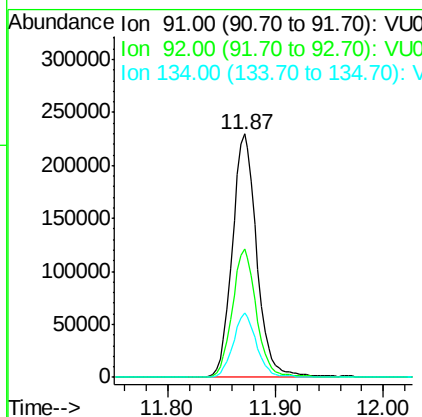
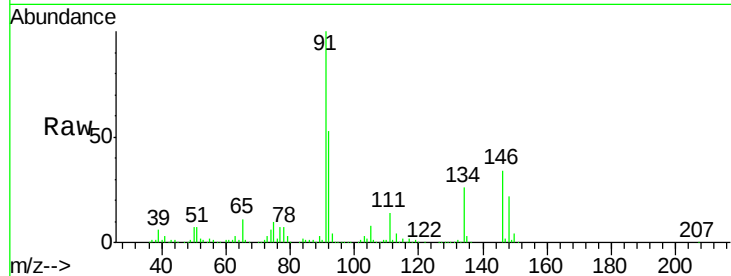
#89
n-Butylbenzene
Concen: 19.389 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
VU0831WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	25.4	12.9	38.7

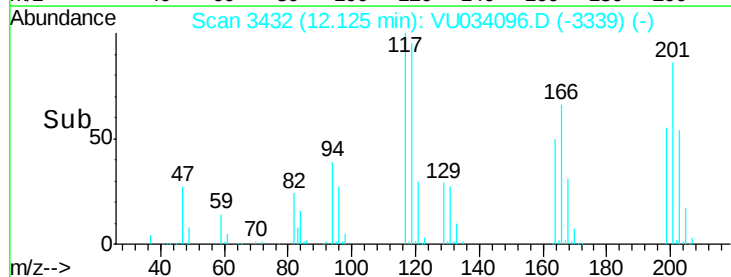
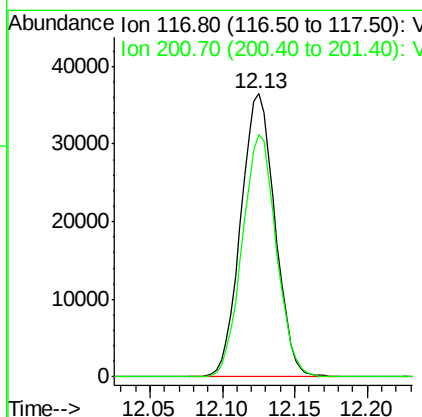
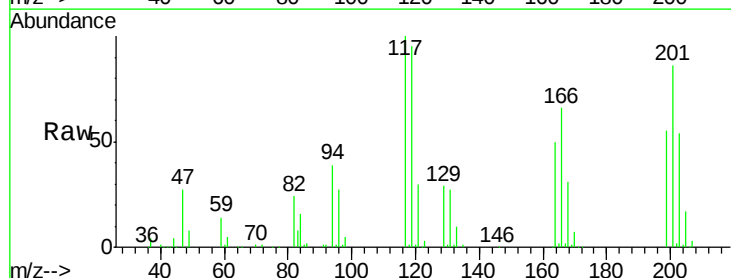
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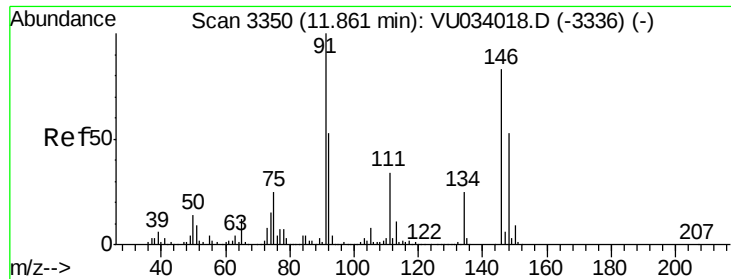
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#90
Hexachloroethane
Concen: 16.230 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034096.D
Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.5	127.6





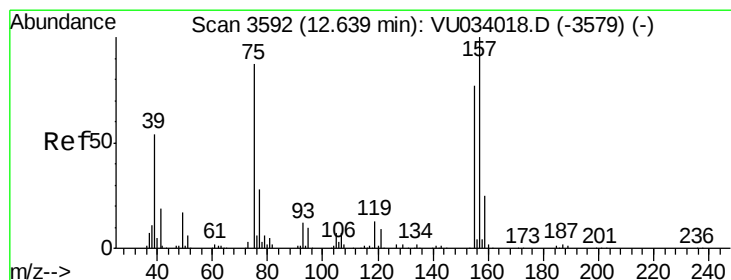
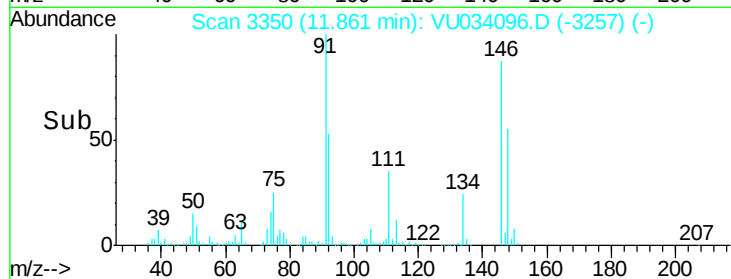
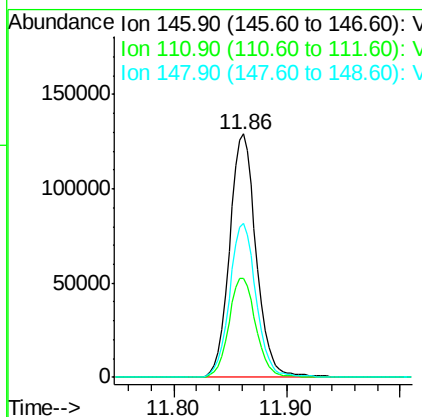
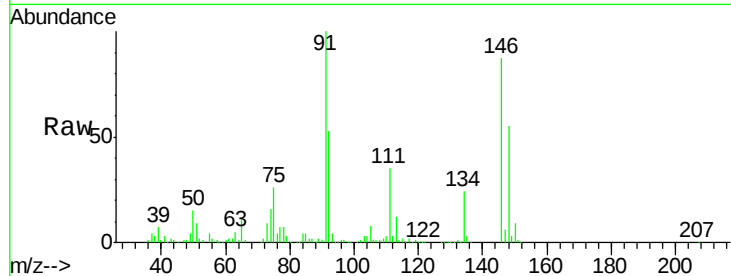
#91
 1,2-Dichlorobenzene
 Concen: 19.660 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampled :
 VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211860		
111	41.2	20.4	61.2	
148	63.5	32.3	96.8	

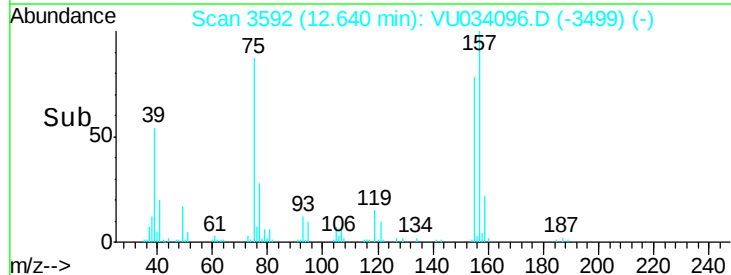
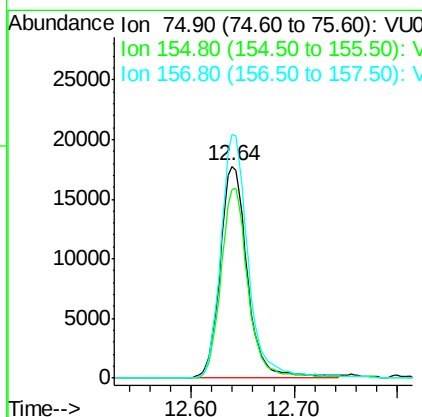
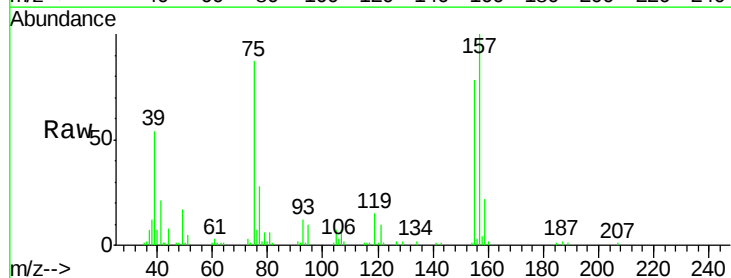
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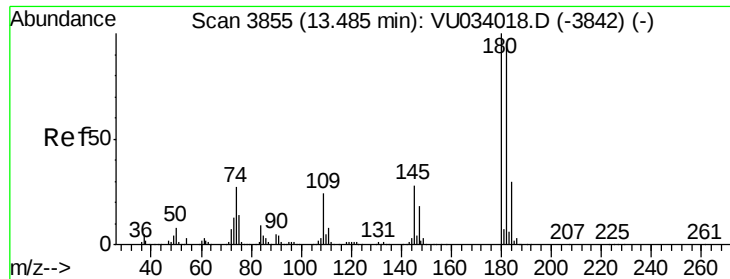
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.258 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32886		
155	88.0	43.5	130.7	
157	112.8	56.9	170.6	





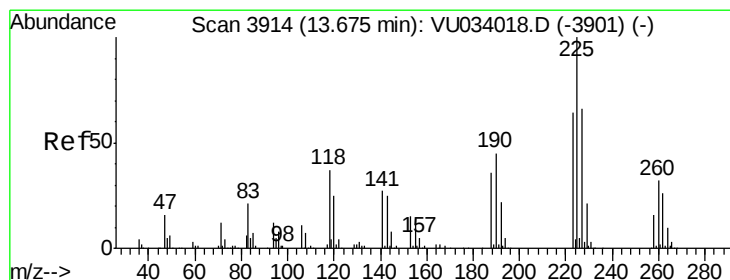
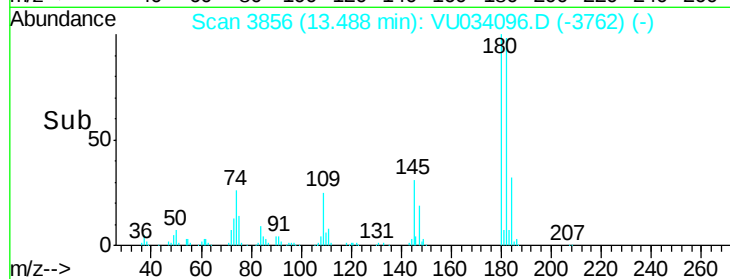
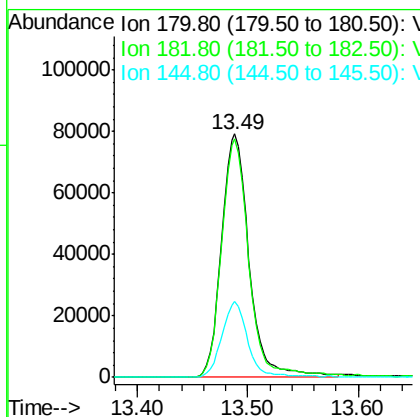
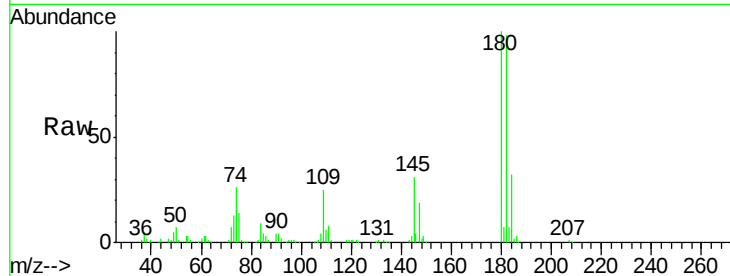
#93
 1,2,4-Trichlorobenzene
 Concen: 18.663 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137575		
182	97.3	47.4	142.2	
145	29.0	14.1	42.3	

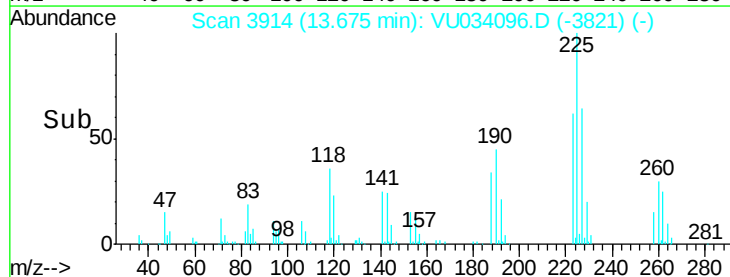
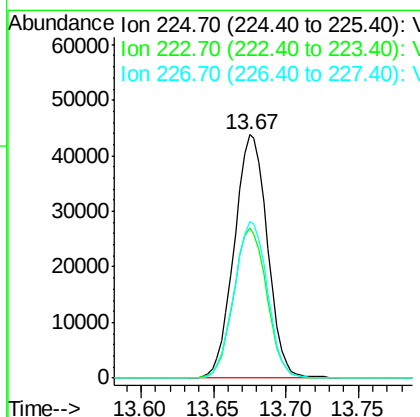
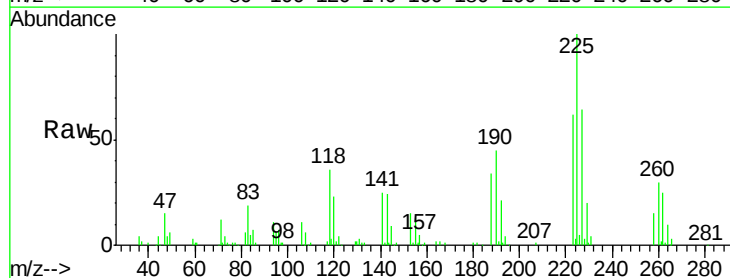
Manual Integrations
 APPROVED

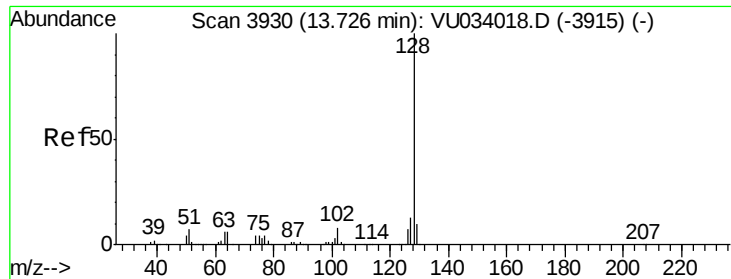
MMDadoda
 8/31/2019 11:24:42 AM



#94
 Hexachlorobutadiene
 Concen: 16.536 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034096.D
 Acq: 30 Aug 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69708		
223	61.2	31.8	95.3	
227	64.4	32.6	97.8	





#95

Naphthalene

Concen: 18.673 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Instrument :

MSVOA_U

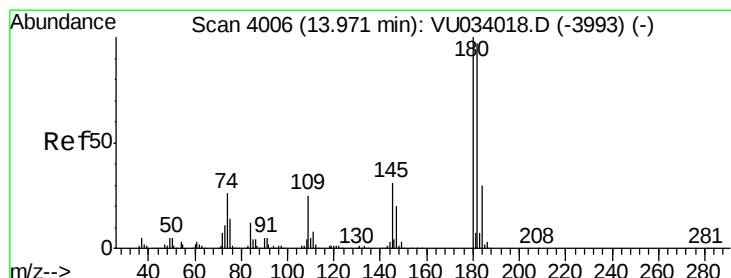
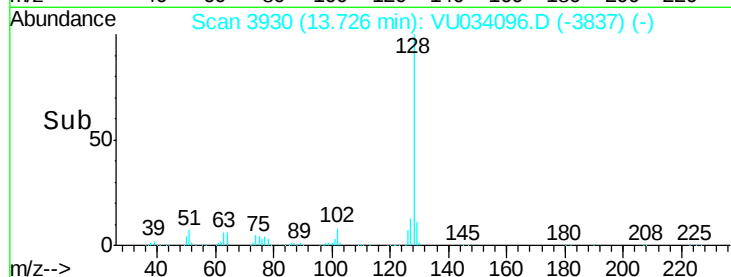
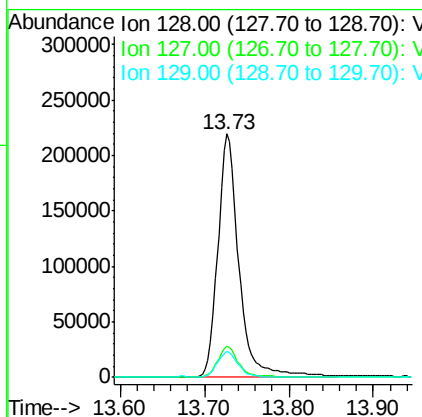
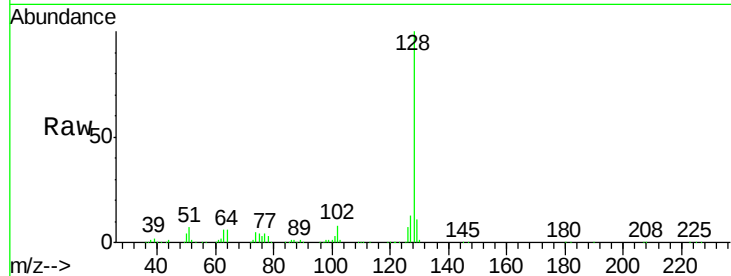
ClientSampleId :

VU0831WBSD01

Tot Ion:	128	Resp:	384348
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.2	8.4	12.6

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.415 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU034096.D

Acq: 30 Aug 2019 14:21

Tgt Ion:	180	Resp:	140924
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.2	144.6
145	30.4	15.5	46.5

