

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034027.D
 Acq On : 28 Aug 2019 16:55
 Operator : JC/SP
 Sample : VU0829WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:41 AM

Quant Time: Aug 29 04:41:43 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	412288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	662591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	631203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	328658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	274703	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	4.86	113	227925	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	7.55	98	891820	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	10.29	95	326460	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85965	20.732	ug/l	99
3) Chloromethane	1.32	50	115563	19.598	ug/l	100
4) Vinyl Chloride	1.40	62	110717	20.062	ug/l	99
5) Bromomethane	1.62	94	68044	22.409	ug/l	96
6) Chloroethane	1.69	64	66638	19.751	ug/l	99
7) Trichlorofluoromethane	1.88	101	128752	20.135	ug/l	98
8) Diethyl Ether	2.09	74	55459	20.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	80239	19.807	ug/l	99
10) Methyl Iodide	2.40	142	92669	16.126	ug/l	99
11) Tert butyl alcohol	2.81	59	114996	94.395	ug/l	100
12) 1,1-Dichloroethene	2.27	96	82368	19.956	ug/l	96
13) Acrolein	2.18	56	46155	90.062	ug/l	99
14) Allyl chloride	2.58	41	153889m	19.830	ug/l	
15) Acrylonitrile	2.92	53	283929	101.567	ug/l	99
16) Acetone	2.31	43	259647	96.325	ug/l	98
17) Carbon Disulfide	2.46	76	251680	19.267	ug/l	99
18) Methyl Acetate	2.60	43	131013	18.808	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	279438	20.663	ug/l	99
20) Methylene Chloride	2.68	84	99784	19.554	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	89874	20.064	ug/l	99
22) Diisopropyl ether	3.55	45	294941	20.741	ug/l	95
23) Vinyl Acetate	3.50	43	1267444	103.758	ug/l	100
24) 1,1-Dichloroethane	3.43	63	173174	20.627	ug/l	99
25) 2-Butanone	4.24	43	381104	101.623	ug/l	99
26) 2,2-Dichloropropane	4.20	77	134757	19.726	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	100276	19.944	ug/l	99
28) Bromochloromethane	4.52	49	81005	19.584	ug/l	99
29) Tetrahydrofuran	4.61	42	245779	106.272	ug/l	99
30) Chloroform	4.65	83	167950	20.051	ug/l	100
31) Cyclohexane	4.97	56	157565	19.974	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	138102	20.131	ug/l	98
36) 1,1-Dichloropropene	5.12	75	121653	19.411	ug/l	99
37) Ethyl Acetate	4.36	43	141631	20.180	ug/l	99
38) Carbon Tetrachloride	5.11	117	121297	20.051	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	142436	19.282	ug/l	98
40) Benzene	5.37	78	375008	19.777	ug/l	99
41) Methacrylonitrile	4.52	41	74723	20.760	ug/l	100
42) 1,2-Dichloroethane	5.38	62	130586	19.943	ug/l	99
43) Isopropyl Acetate	5.53	43	212631	19.915	ug/l	98
44) Trichloroethene	6.17	130	96628	19.406	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102539	19.644	ug/l	99
46) Dibromomethane	6.54	93	66922	19.900	ug/l	98
47) Bromodichloromethane	6.74	83	126646	19.249	ug/l	98
48) Methyl methacrylate	6.60	41	98595	19.136	ug/l	98
49) 1,4-Dioxane	6.59	88	46764	362.249	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	709191	96.178	ug/l	100
52) Toluene	7.62	92	236492	20.246	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	137536	18.839	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	155211	19.460	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	93785	18.981	ug/l	99
56) Ethyl methacrylate	8.00	69	138122	17.497	ug/l	98
57) 1,3-Dichloropropane	8.22	76	166396	19.834	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	254196	92.994	ug/l	98
59) 2-Hexanone	8.34	43	538391	96.720	ug/l	98
60) Dibromochloromethane	8.46	129	101694	19.174	ug/l	98
61) 1,2-Dibromoethane	8.57	107	98457	18.917	ug/l	98
64) Tetrachloroethene	8.21	164	83867	19.785	ug/l	97
65) Chlorobenzene	9.10	112	254113	19.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	90734	19.264	ug/l	97
67) Ethyl Benzene	9.23	91	434682	19.741	ug/l	100
68) m/p-Xylenes	9.36	106	332504	39.714	ug/l	100
69) o-Xylene	9.76	106	158922	19.785	ug/l	100
70) Styrene	9.77	104	270274	19.624	ug/l	99
71) Bromoform	9.94	173	75666	18.490	ug/l #	98
73) Isopropylbenzene	10.15	105	430527	19.502	ug/l	100
74) N-amyl acetate	10.00	43	178331	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159866	18.920	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	135955m	18.354	ug/l	
77) Bromobenzene	10.43	156	111426	18.764	ug/l	98
78) n-propylbenzene	10.57	91	500907	19.484	ug/l	100
79) 2-Chlorotoluene	10.64	91	300530	19.489	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	371645	19.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	40966m	18.622	ug/l	
82) 4-Chlorotoluene	10.76	91	341650	19.264	ug/l	100
83) tert-Butylbenzene	11.08	119	353353	19.184	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	370672	19.951	ug/l	100
85) sec-Butylbenzene	11.31	105	431613	19.551	ug/l	99
86) p-Isopropyltoluene	11.46	119	394473	19.757	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200336	19.056	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	199798	18.792	ug/l	99
89) n-Butylbenzene	11.87	91	343299	19.502	ug/l	99
90) Hexachloroethane	12.13	117	59610	17.268	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	193758	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31971	18.993	ug/l	97

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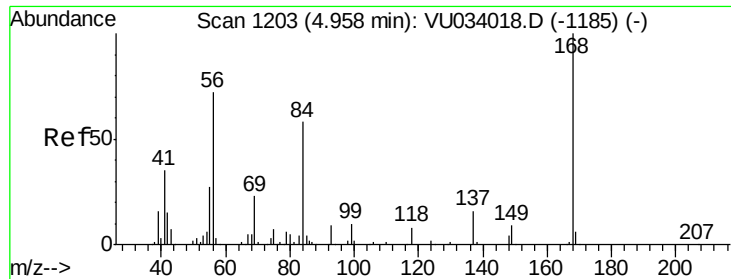
Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:41 AM

Quant Time: Aug 29 04:41:43 2019
Quant Method : Z:\V0ASRV\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	124243	18.072	ug/l	100
94) Hexachlorobutadiene	13.68	225	75873	19.259	ug/l	99
95) Naphthalene	13.73	128	342769	17.901	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	125160	19.401	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion:168 Resp: 412288

Ion Ratio Lower Upper

168 100

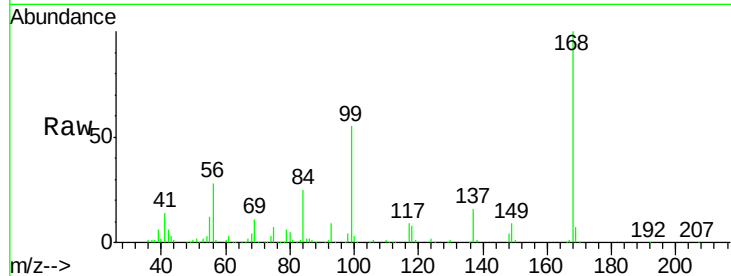
99 54.8 42.3 63.5

Manual Integrations

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8/29/2019 8:47:41 AM



Abundance Ion 167.90 (167.60 to 168.60): VU034027.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034027.D (-1110) (-)

4.96

200000

150000

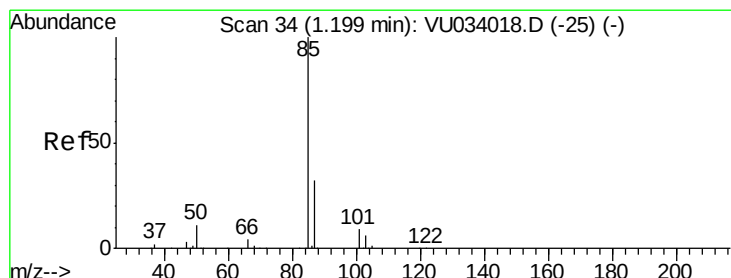
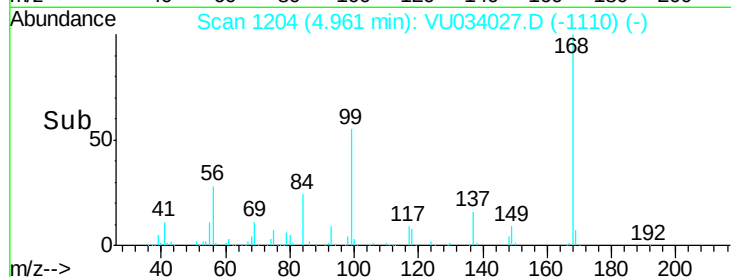
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.732 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034027.D

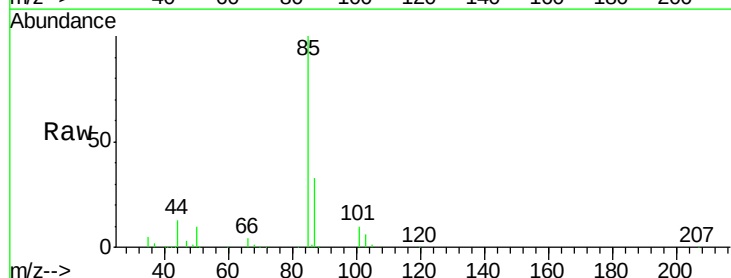
Acq: 28 Aug 2019 16:55

Tgt Ion: 85 Resp: 85965

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034027.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034027.D (-1) (-)

1.20

100000

80000

60000

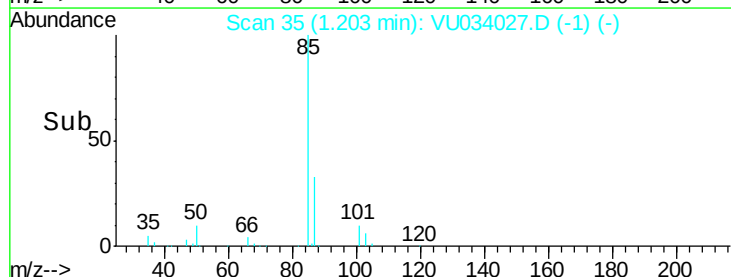
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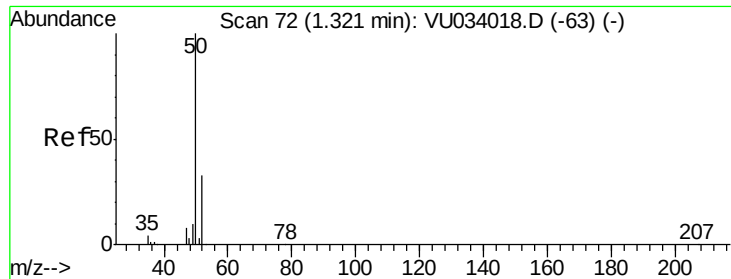
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.598 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 50 Resp: 115563

Ion Ratio Lower Upper

50 100

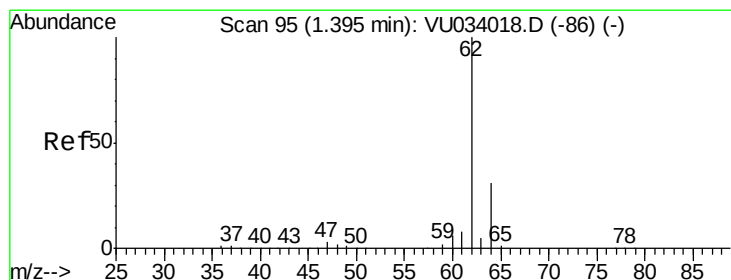
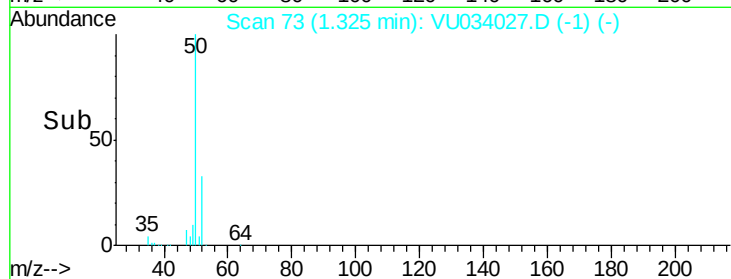
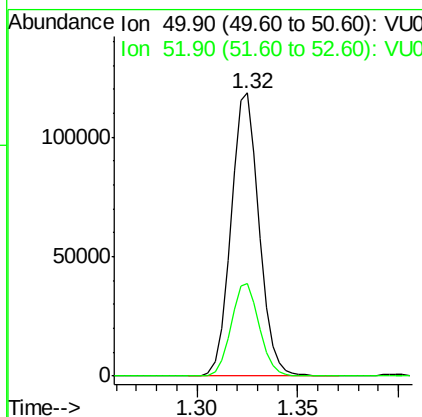
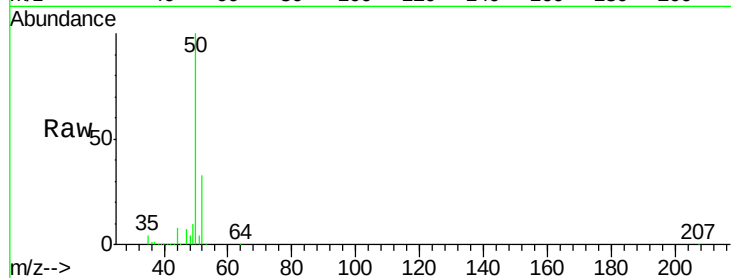
52 32.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.062 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034027.D

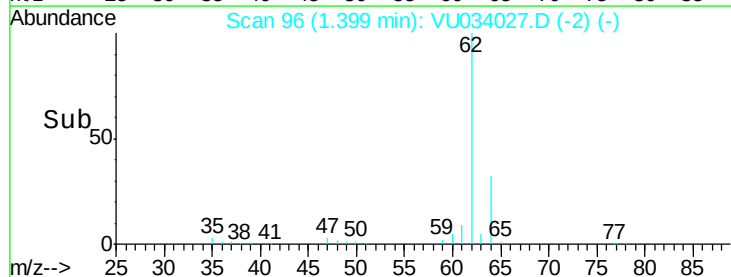
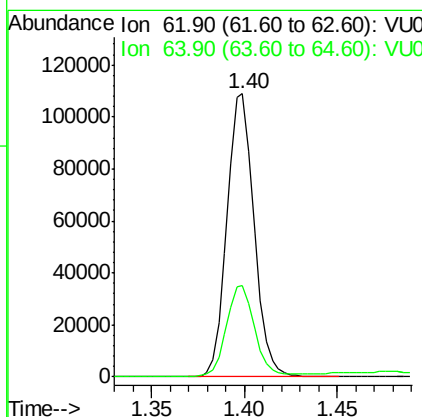
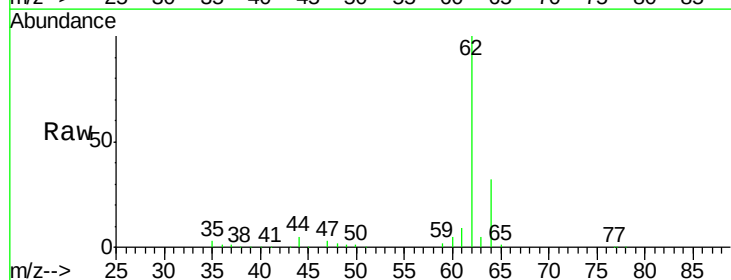
Acq: 28 Aug 2019 16:55

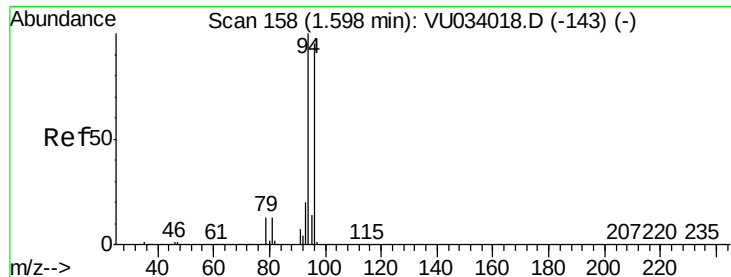
Tgt Ion: 62 Resp: 110717

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 22.409 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 94 Resp: 68044

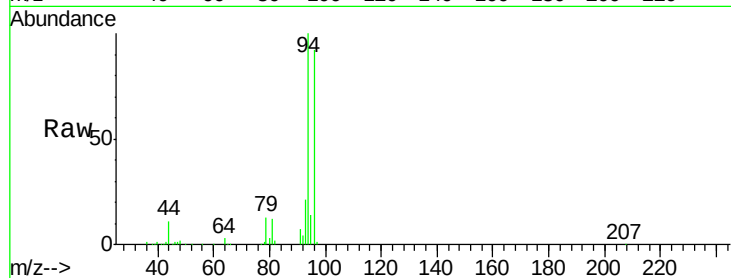
Ion Ratio Lower Upper

94 100

96 91.8 76.3 114.5

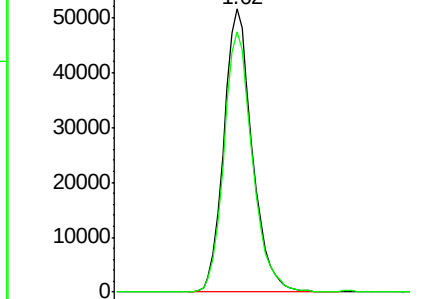
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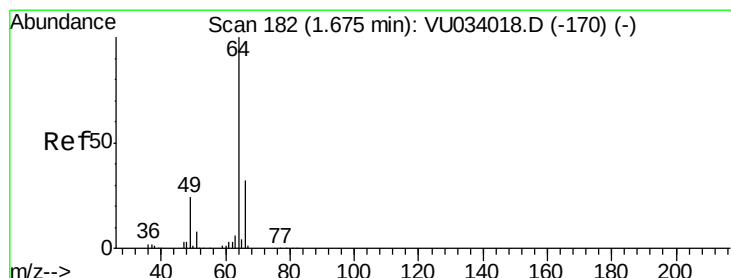
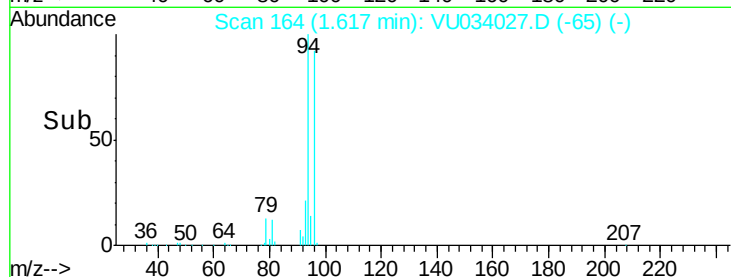


Abundance Ion 93.90 (93.60 to 94.60): VU034027.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034027.D (-65) (-)



Time-->



#6

Chloroethane

Concen: 19.751 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034027.D

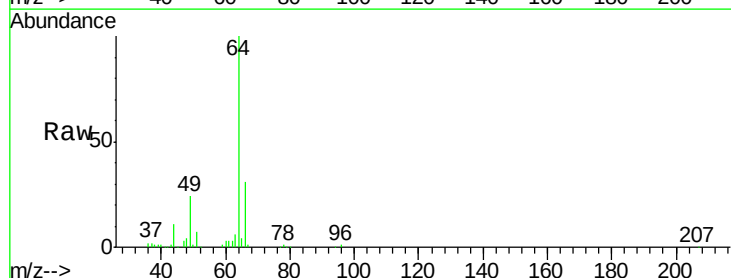
Acq: 28 Aug 2019 16:55

Tgt Ion: 64 Resp: 66638

Ion Ratio Lower Upper

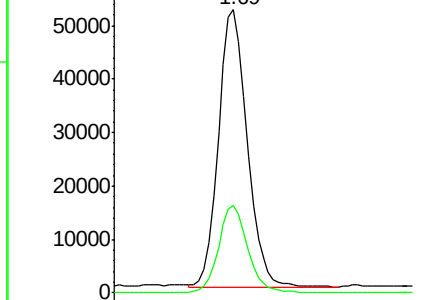
64 100

66 31.4 25.5 38.3

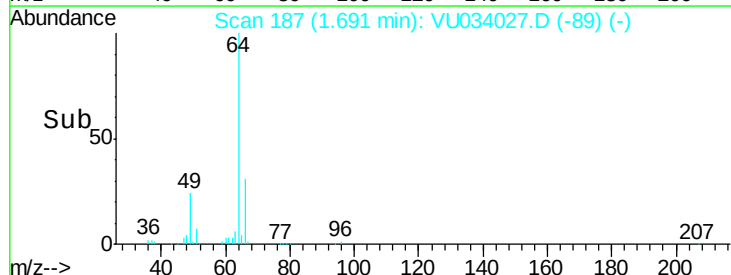


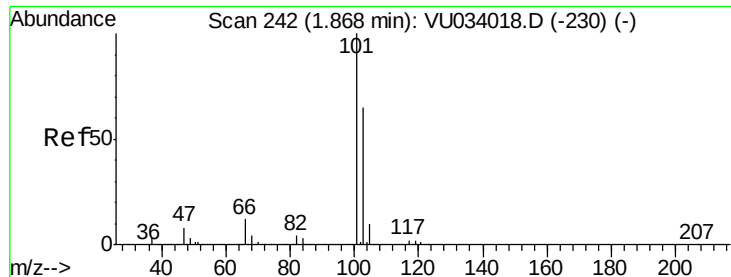
Abundance Ion 63.90 (63.60 to 64.60): VU034027.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034027.D (-89) (-)



Time-->





#7

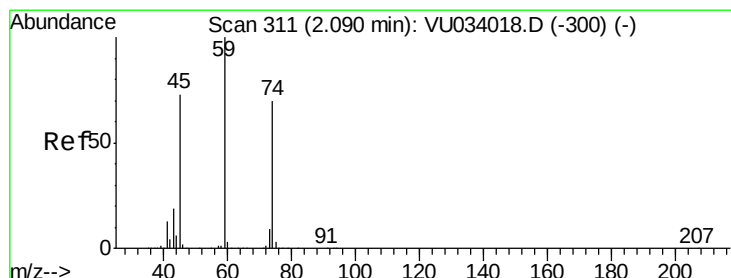
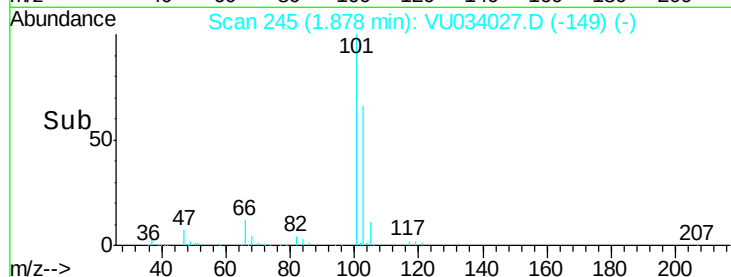
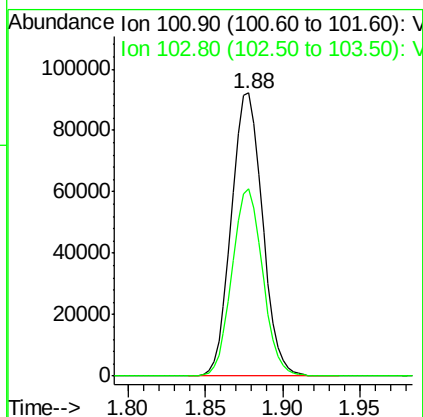
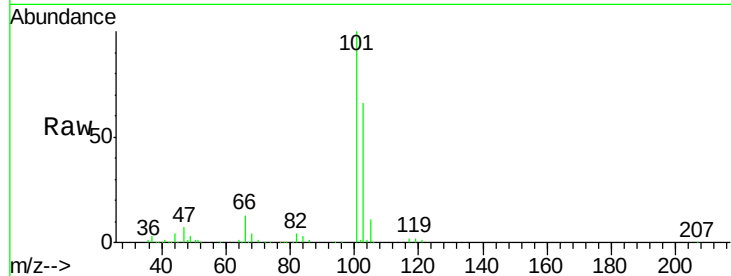
Trichlorofluoromethane
 Concen: 20.135 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
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 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	128752		
103	66.4	52.1	78.1	

Manual Integrations
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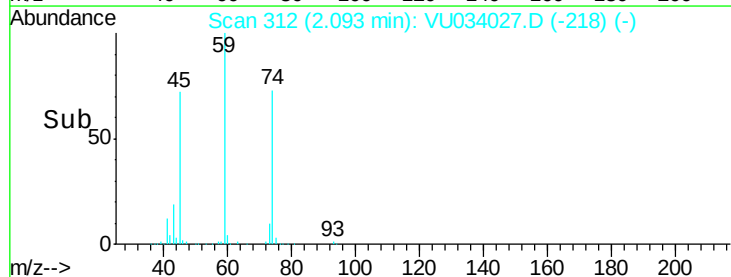
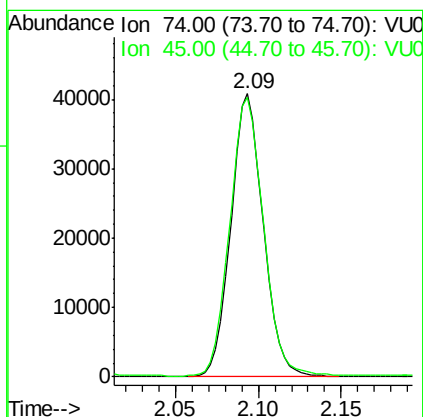
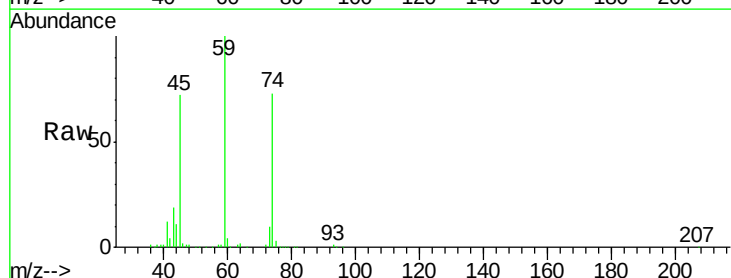
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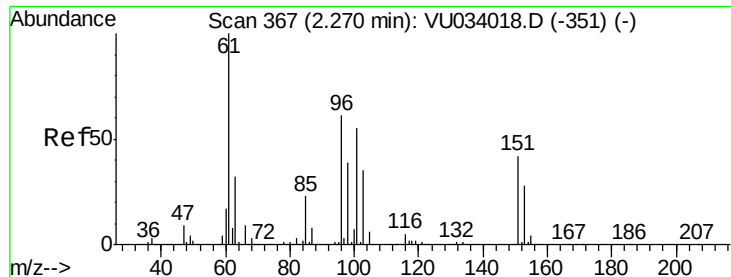


#8

Diethyl Ether
 Concen: 20.274 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55459		
45	102.4	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

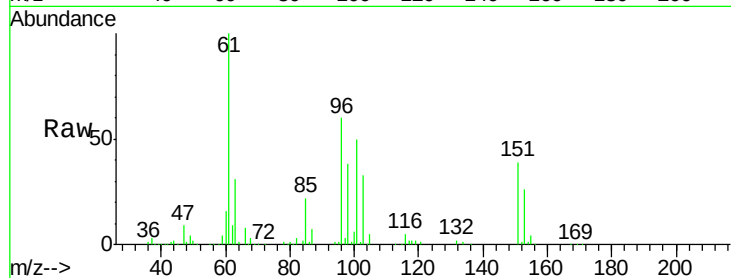
ClientSampleId :

VU0829WBS01

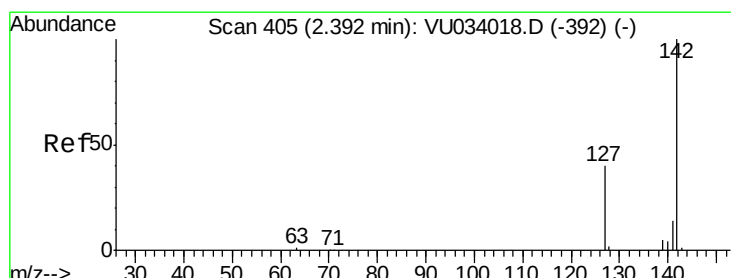
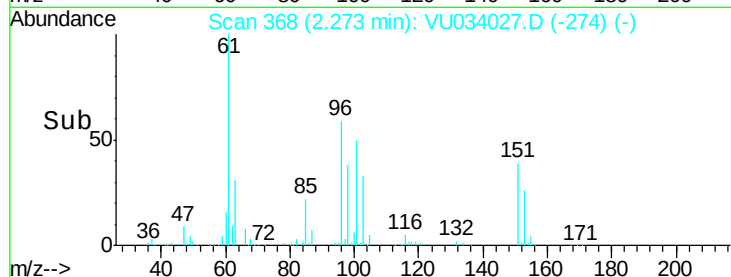
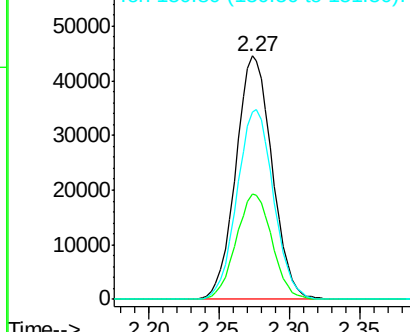
Tot Ion:	101	Resp:	80239
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	78.6	61.4	92.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.126 ug/l

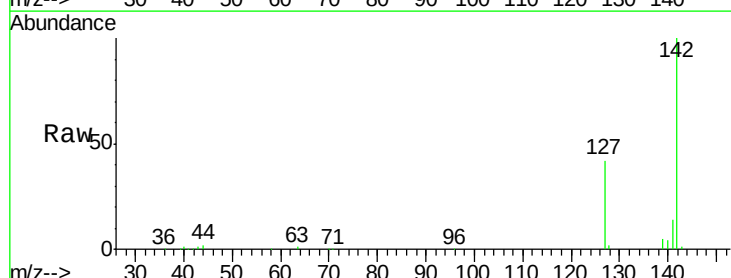
RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

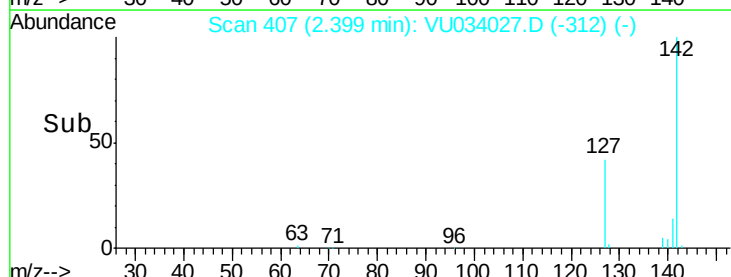
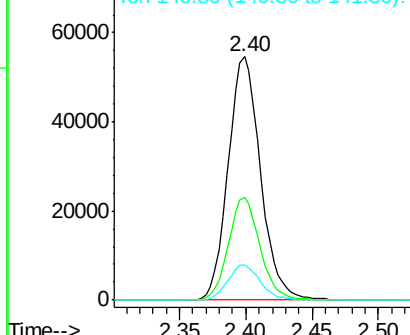
Lab File: VU034027.D

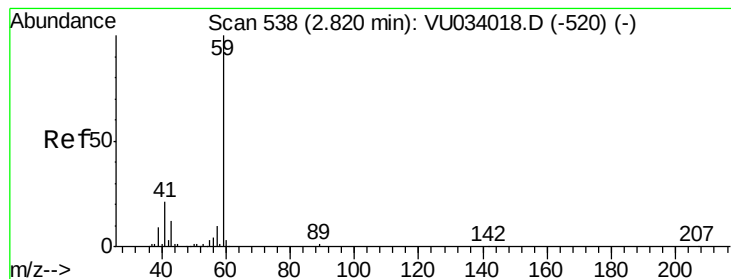
Acq: 28 Aug 2019 16:55

Tgt Ion:	142	Resp:	92669
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.6	48.8
141	14.6	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

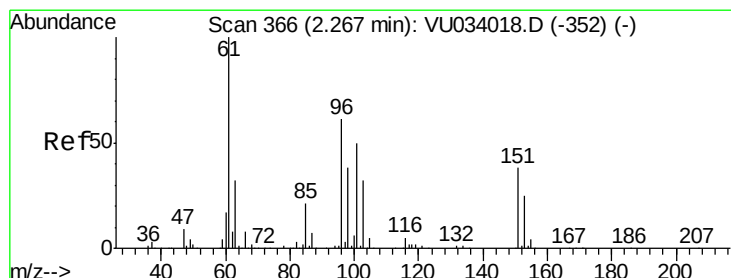
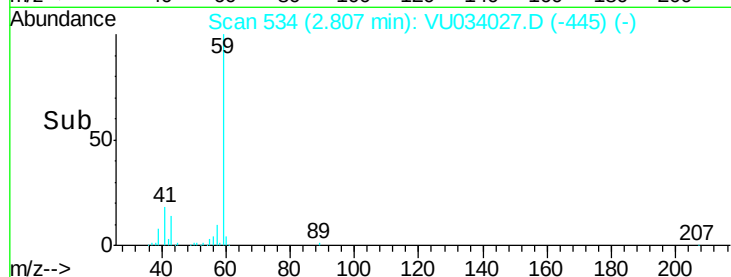
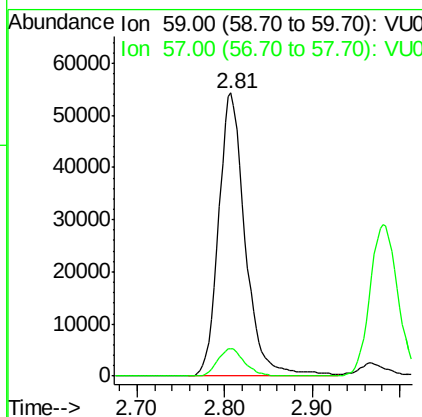
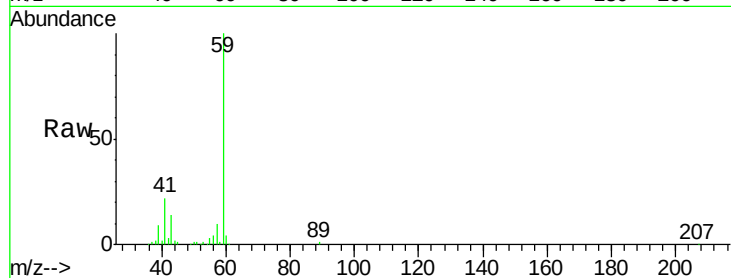
Tert butyl alcohol
 Concen: 94.395 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	114996		
57	9.8	8.0	12.0	

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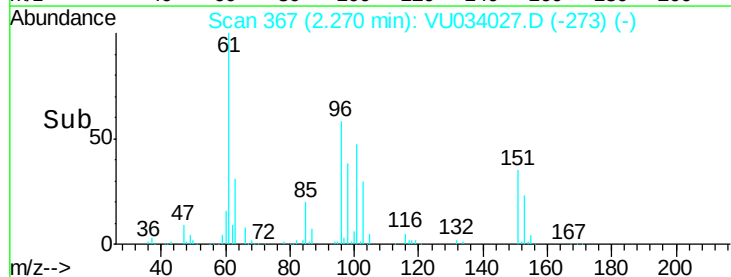
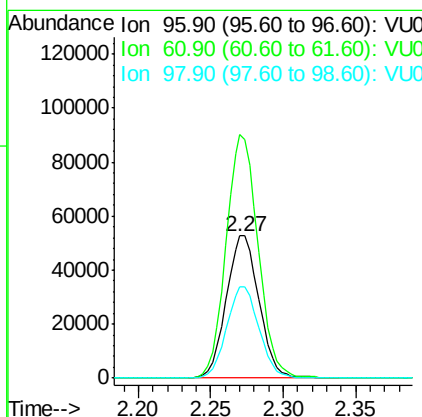
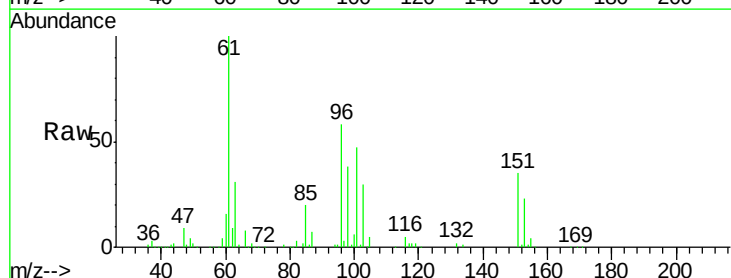
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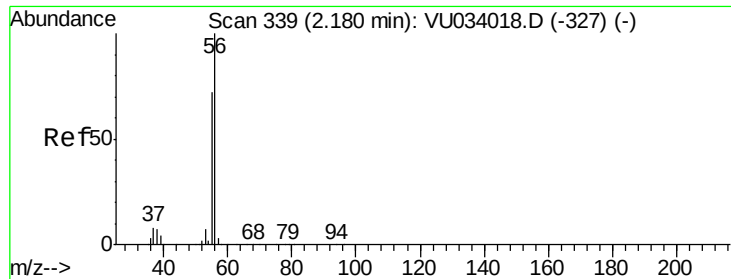


#12

1,1-Dichloroethene
 Concen: 19.956 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	82368		
61	171.1	131.3	196.9	
98	64.3	50.3	75.5	





#13

Acrolein

Concen: 90.062 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 56 Resp: 46155

Ion Ratio Lower Upper

56 100

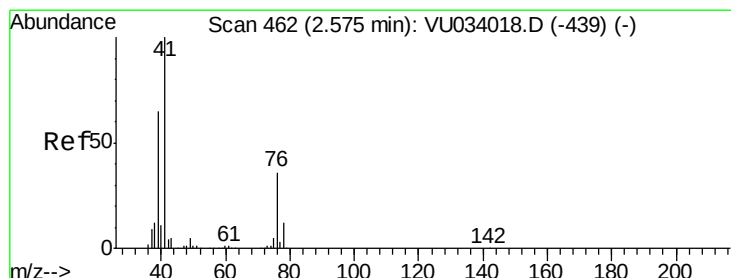
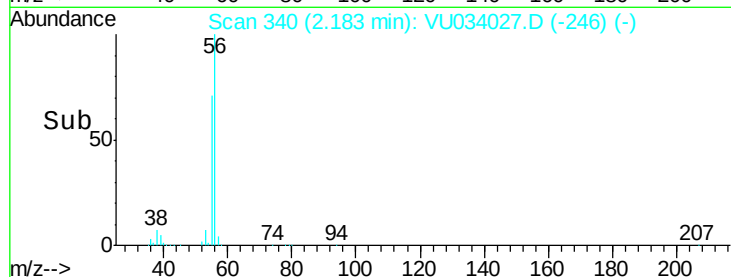
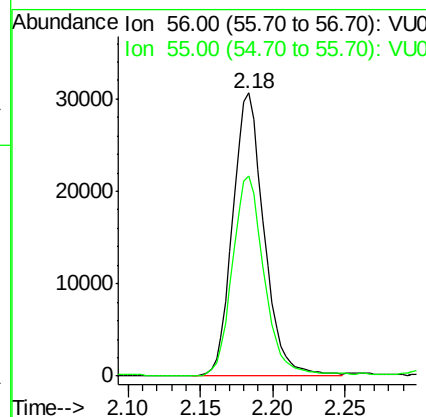
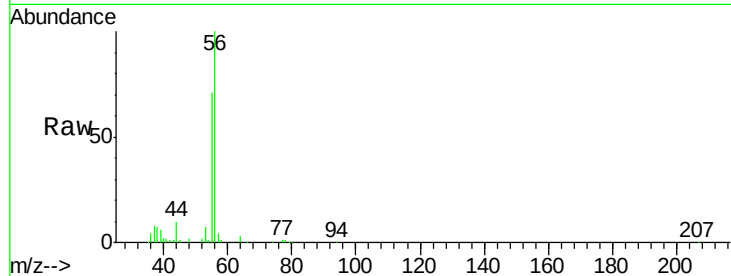
55 72.1 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.830 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

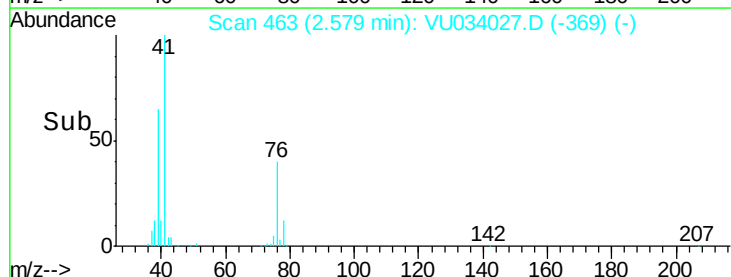
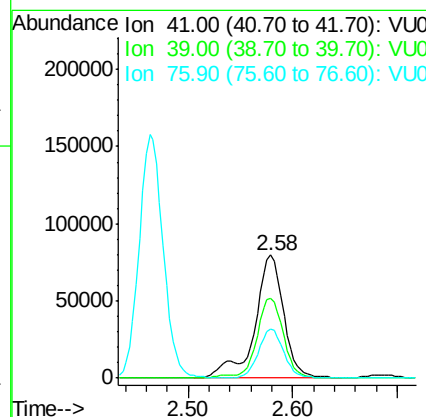
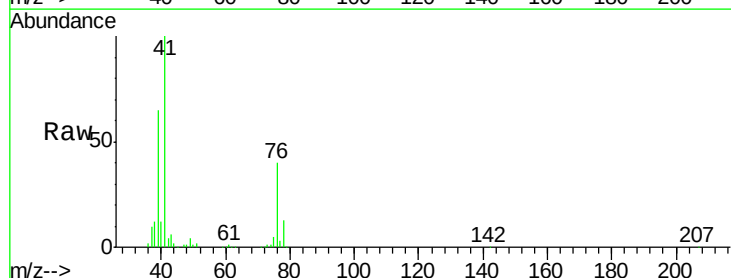
Tgt Ion: 41 Resp: 153889

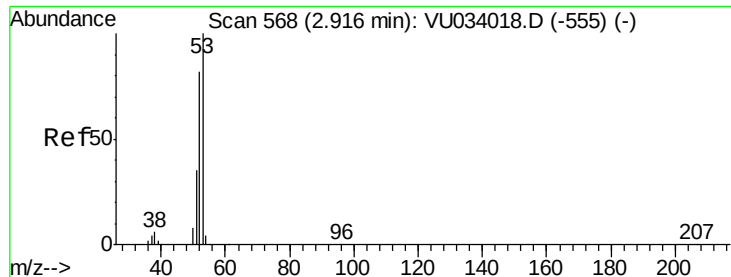
Ion Ratio Lower Upper

41 100

39 59.9 46.8 70.2

76 33.9 26.6 40.0





#15

Acrylonitrile

Concen: 101.567 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

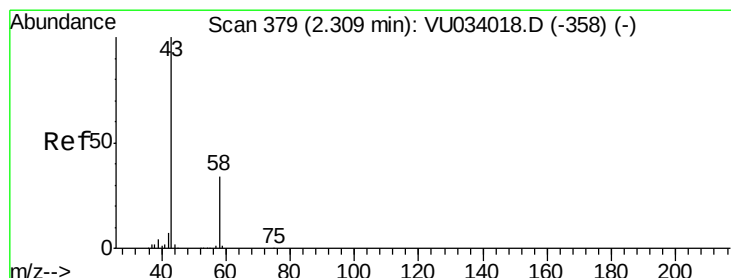
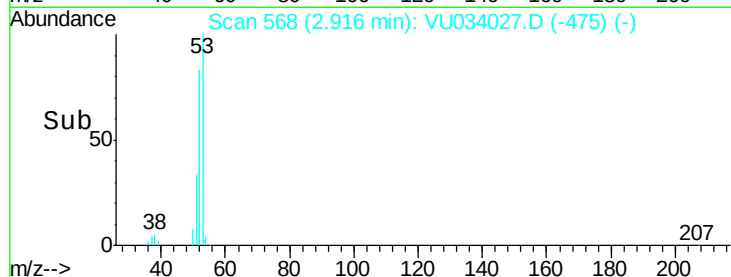
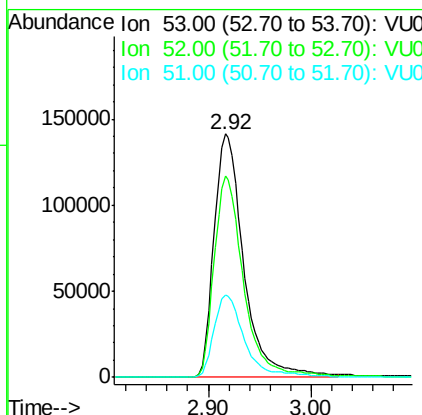
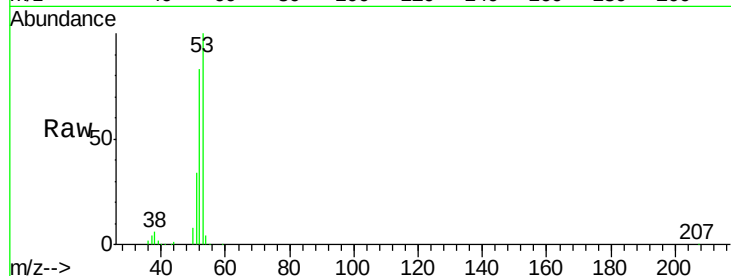
ClientSampleId :

VU0829WBS01

Tot Ion:	53	Resp:	283929
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	35.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 96.325 ug/l

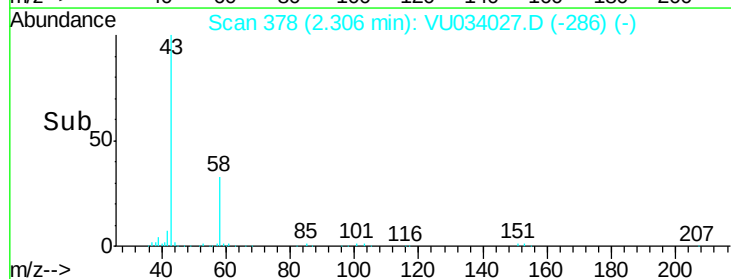
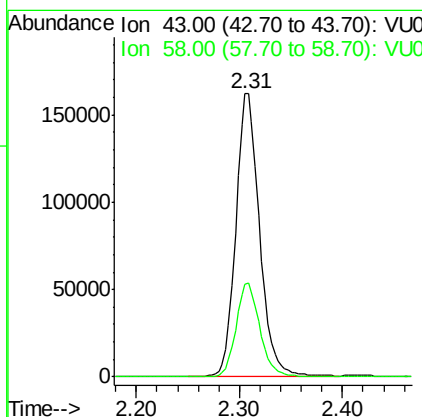
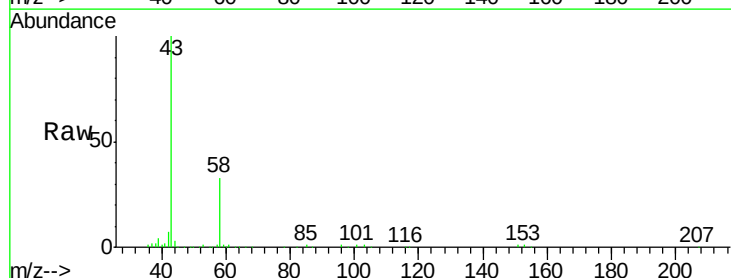
RT: 2.31 min Scan# 378

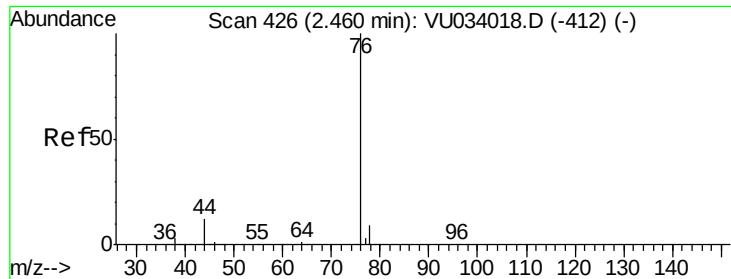
Delta R.T. -0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	43	Resp:	259647
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.8	40.2





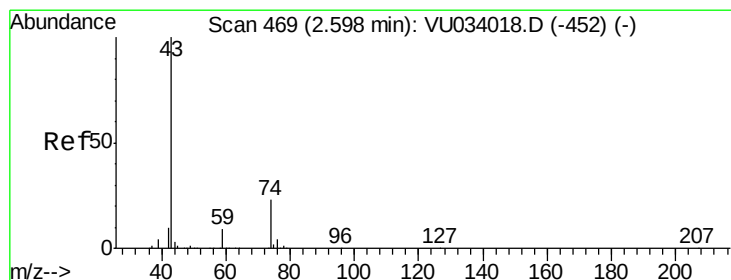
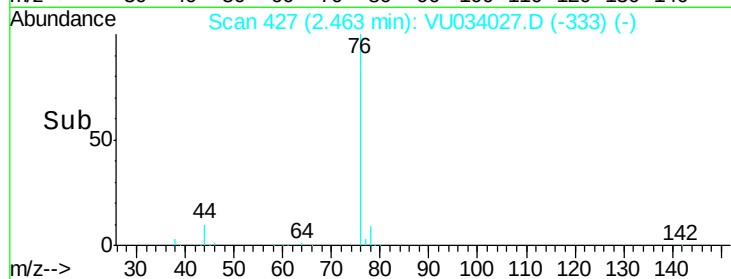
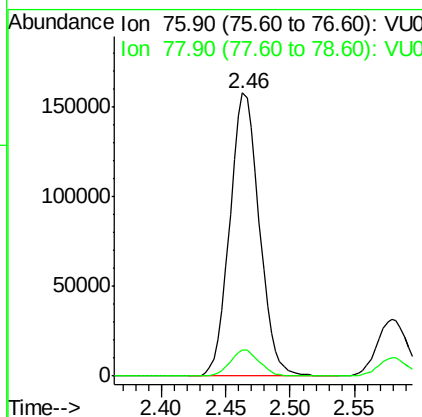
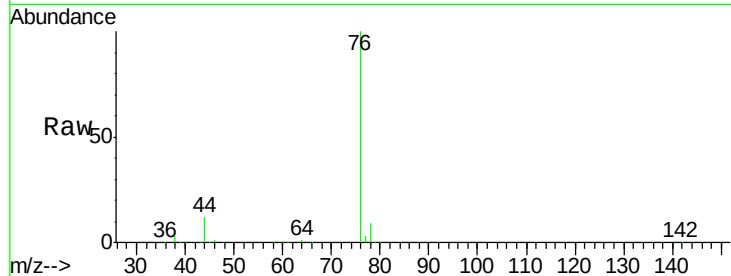
#17
Carbon Disulfide
Concen: 19.267 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

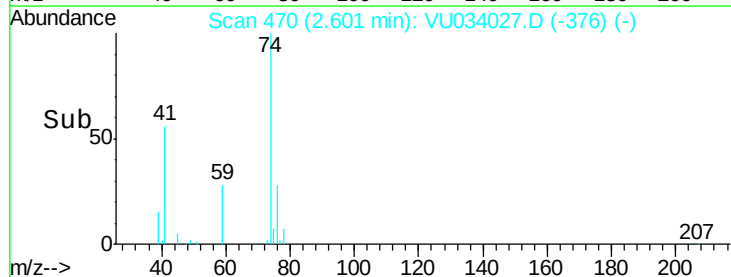
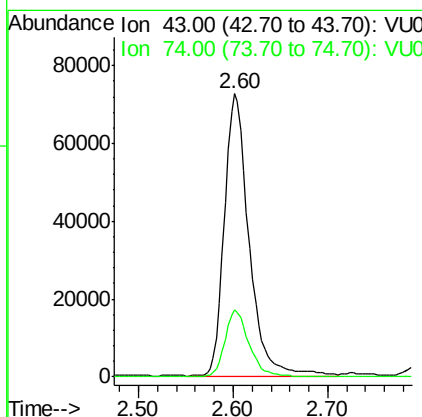
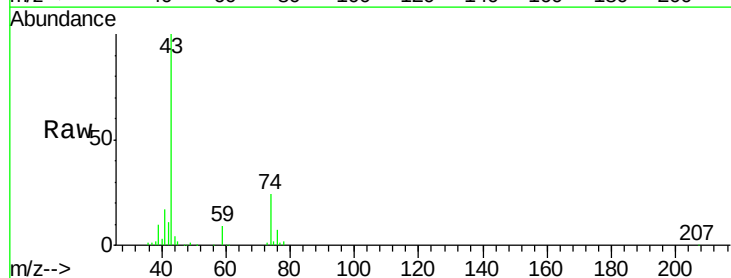
Manual Integrations
APPROVED

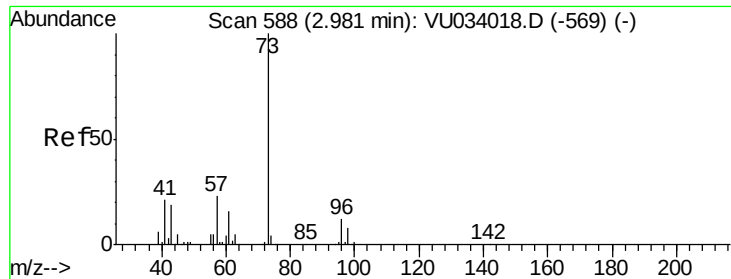
MMDadoda
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#18
Methyl Acetate
Concen: 18.808 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8





#19

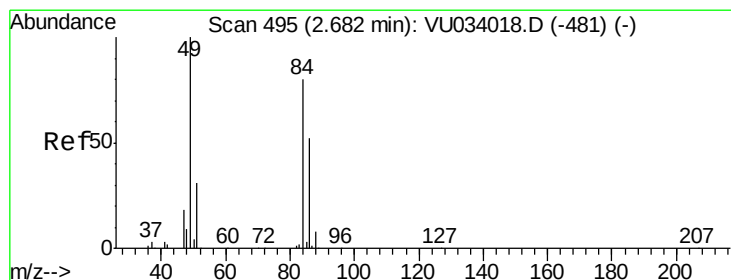
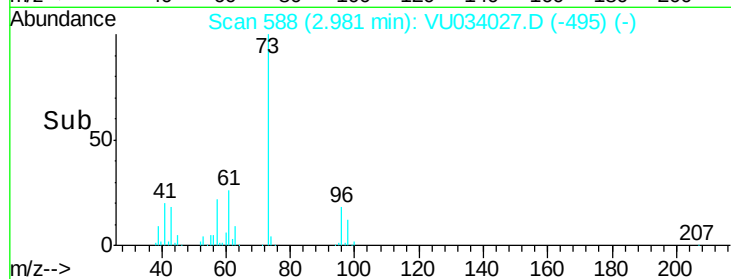
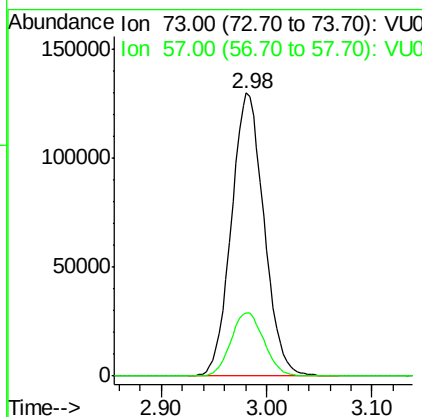
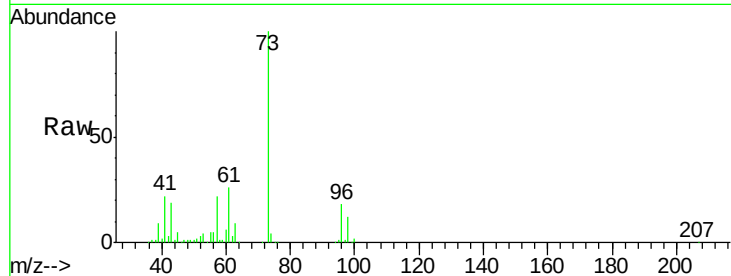
Methyl tert-butyl Ether
 Concen: 20.663 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampled :
 VU0829WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.3	27.5

Manual Integrations
 APPROVED

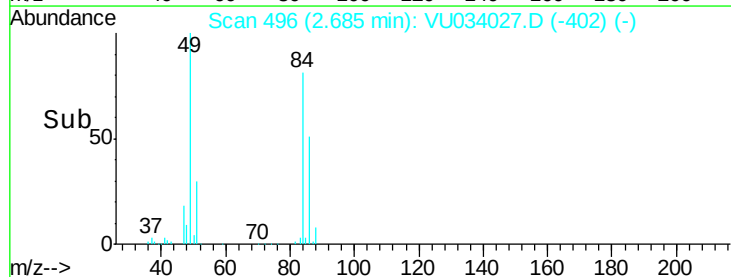
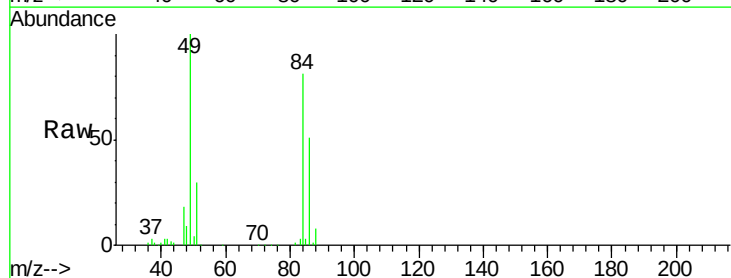
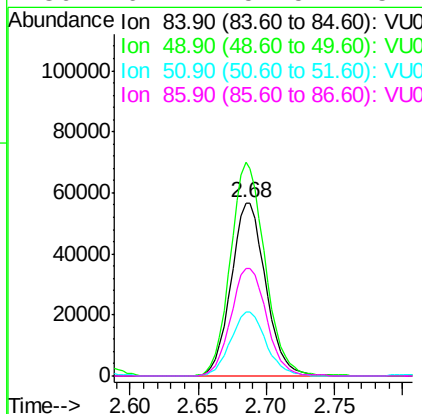
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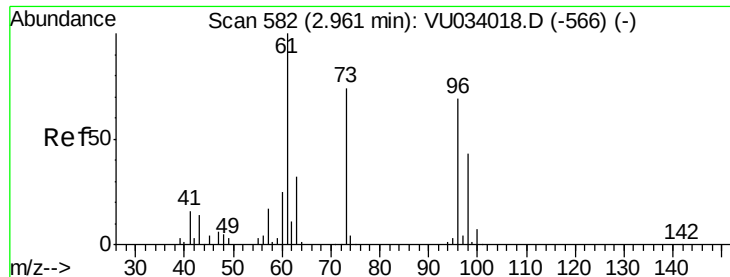


#20

Methylene Chloride
 Concen: 19.554 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	100.2	150.4
51	36.8	30.8	46.2
86	62.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.064 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 96 Resp: 89874

Ion Ratio Lower Upper

96 100

61 144.6 115.5 173.3

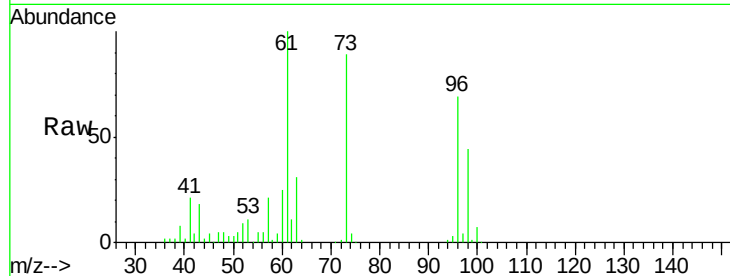
98 63.8 50.1 75.1

Manual Integrations

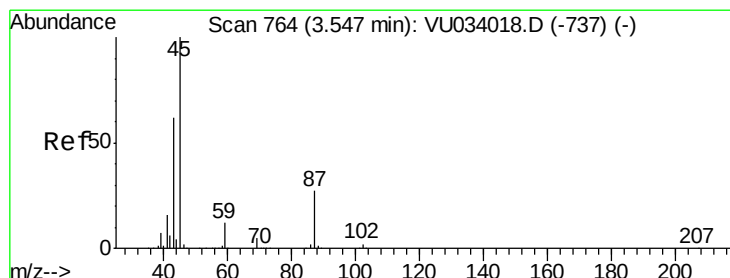
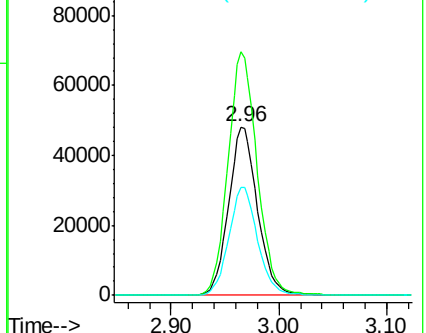
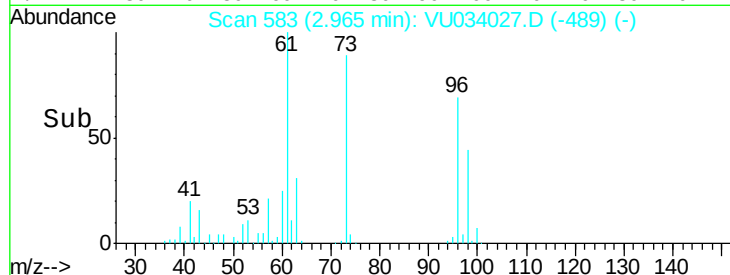
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Abundance Ion 95.90 (95.60 to 96.60): VU034027.D (-489) (-)



#22

Diisopropyl ether

Concen: 20.741 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion: 45 Resp: 294941

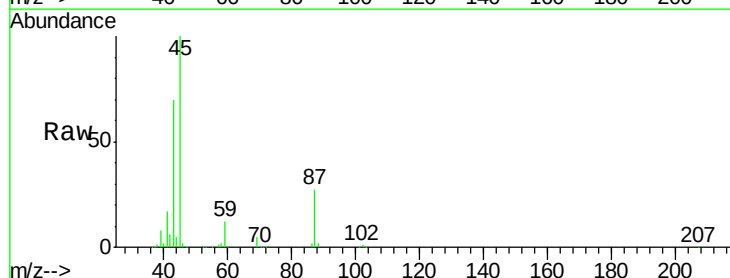
Ion Ratio Lower Upper

45 100

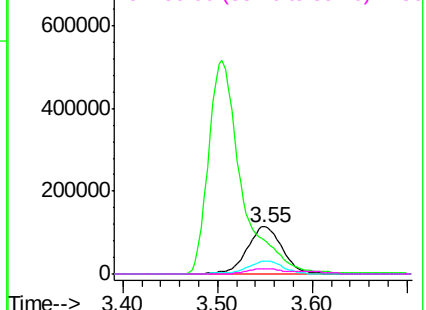
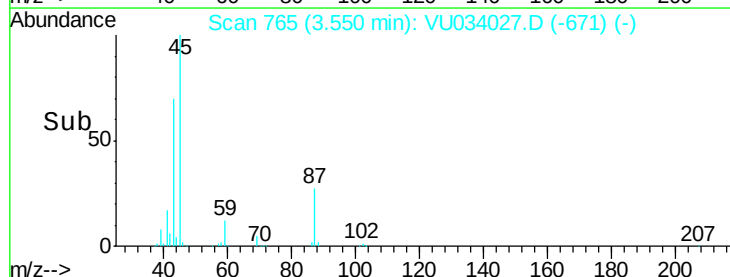
43 67.7 49.7 74.5

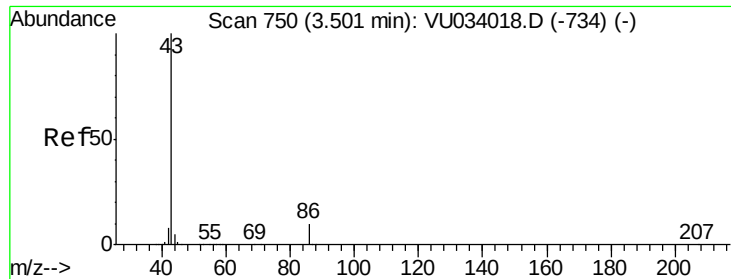
87 27.3 21.8 32.8

59 12.2 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034027.D (-671) (-)





#23

Vinyl Acetate

Concen: 103.758 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 43 Resp: 1267444

Ion Ratio Lower Upper

43 100

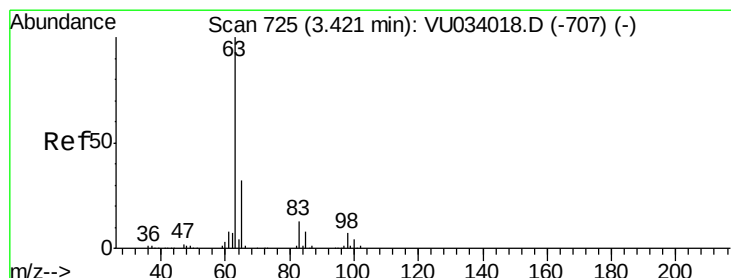
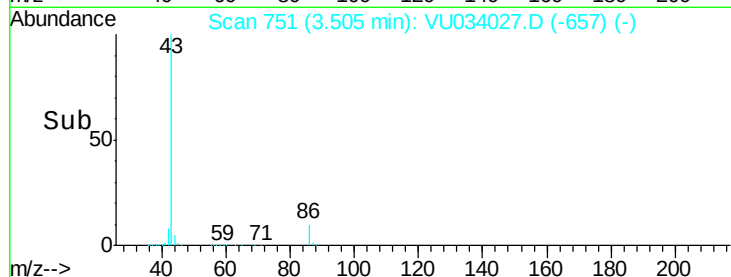
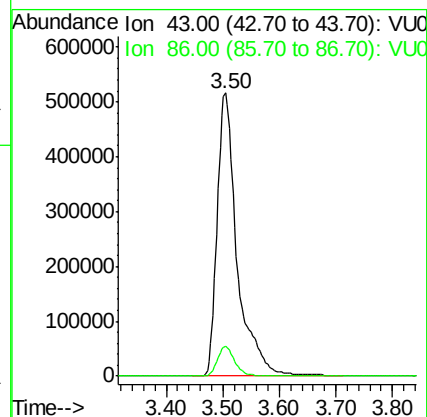
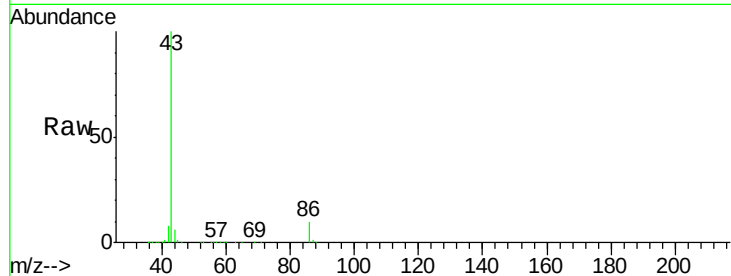
86 10.4 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.627 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

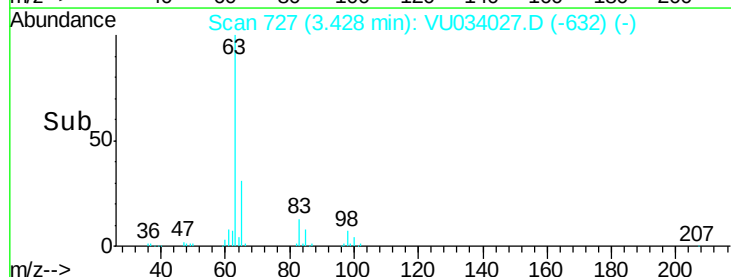
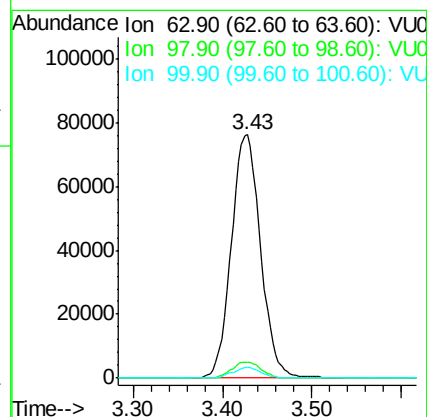
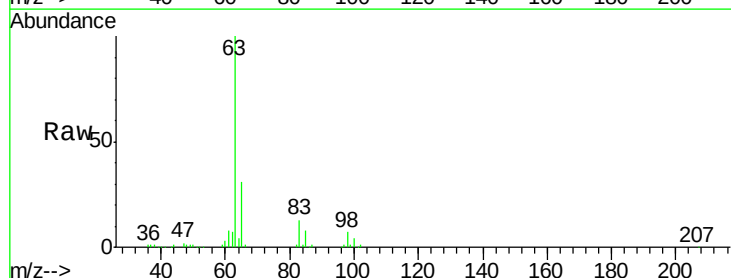
Tgt Ion: 63 Resp: 173174

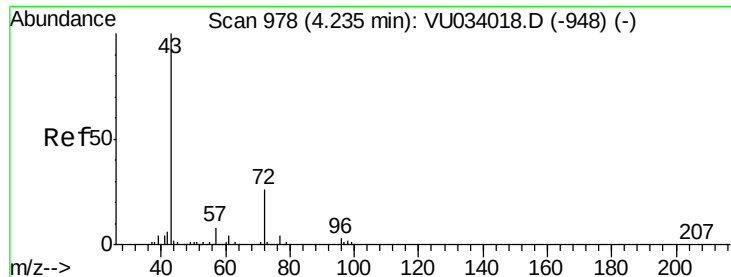
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 101.623 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 43 Resp: 381104

Ion Ratio Lower Upper

43 100

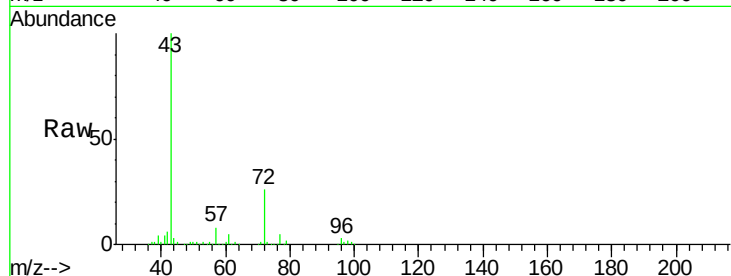
72 25.9 21.2 31.8

Manual Integrations

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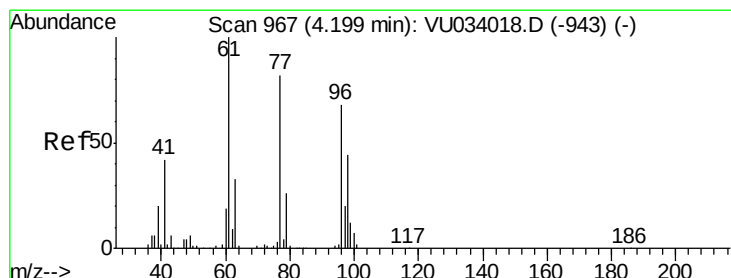
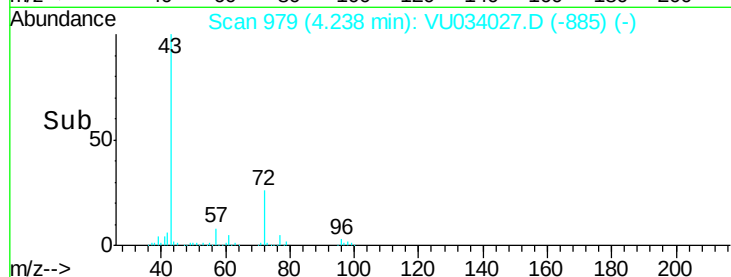
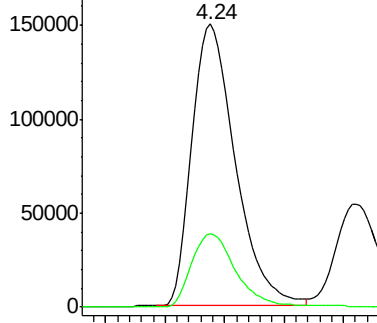
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.726 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034027.D

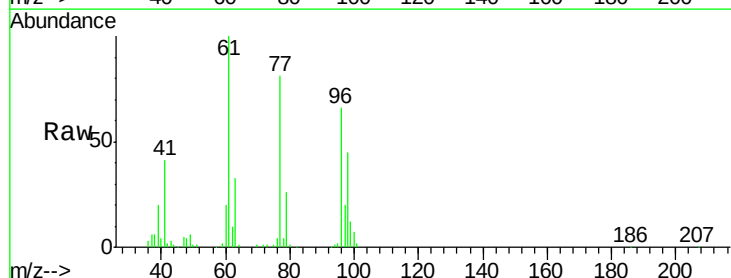
Acq: 28 Aug 2019 16:55

Tgt Ion: 77 Resp: 134757

Ion Ratio Lower Upper

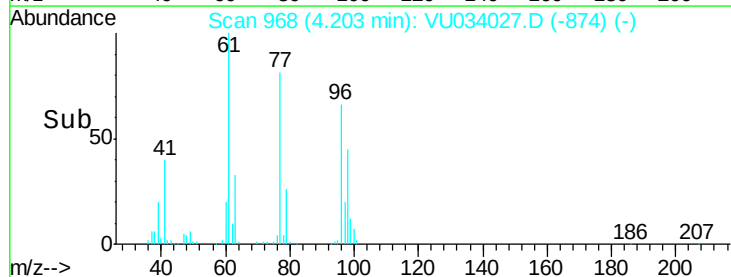
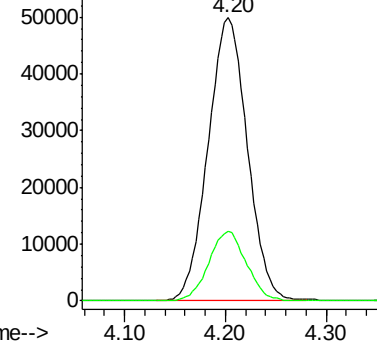
77 100

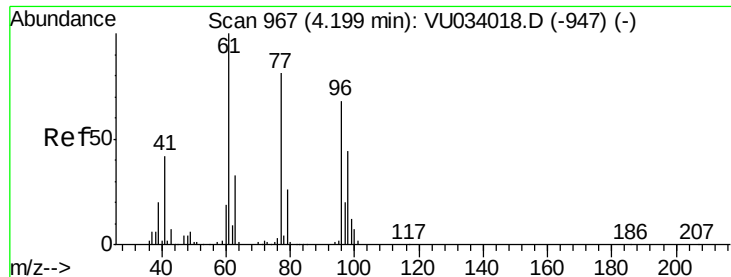
97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

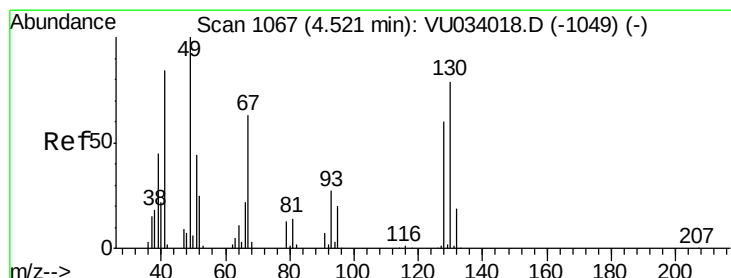
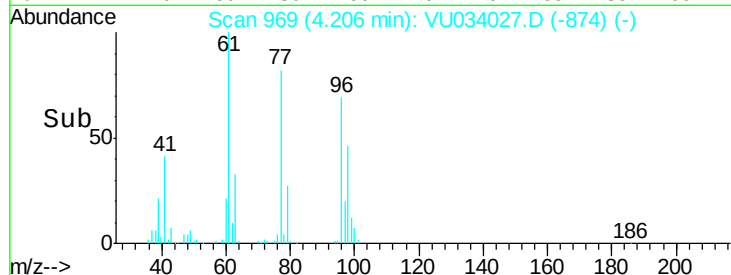
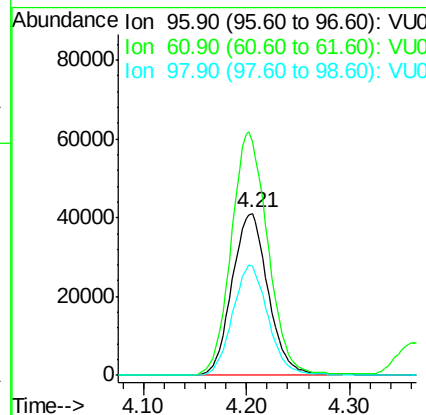
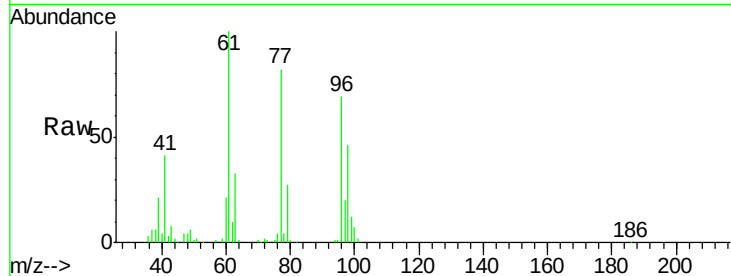
cis-1,2-Dichloroethene
Concen: 19.944 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.3	0.0	303.0	
98	66.8	0.0	129.2	

Manual Integrations
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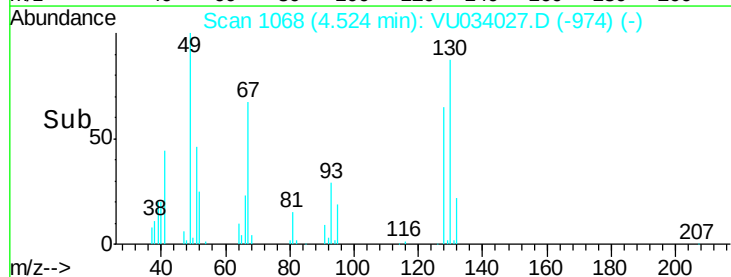
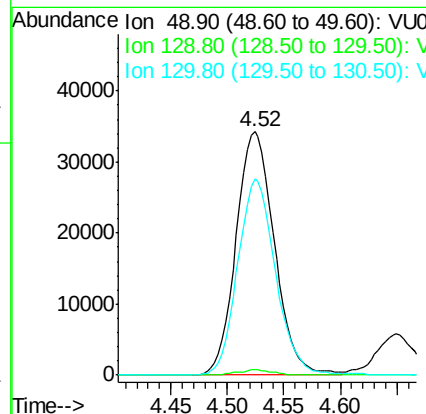
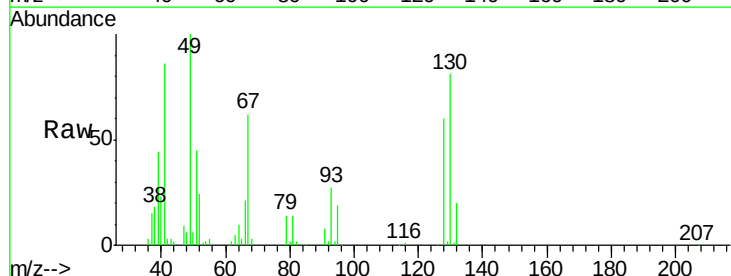
MMDadoda
8/29/2019 8:47:41 AM

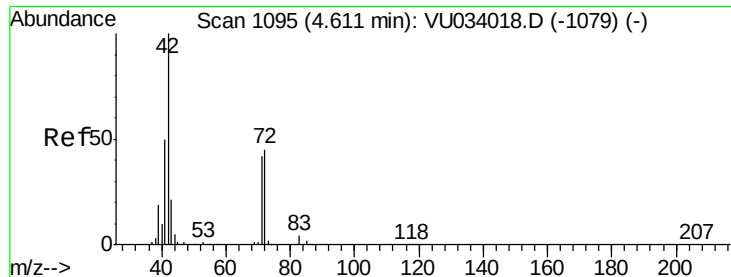


#28

Bromochloromethane
Concen: 19.584 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	79.2	62.8	94.2	





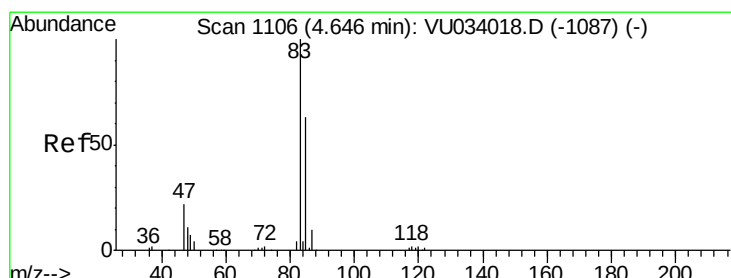
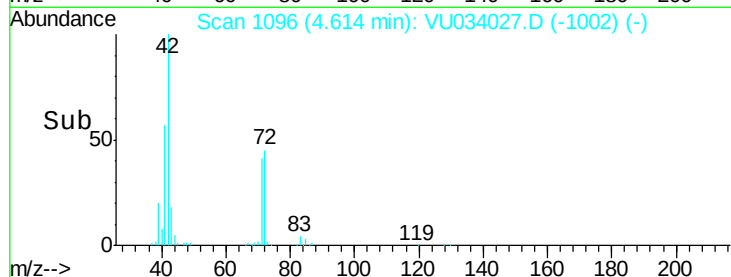
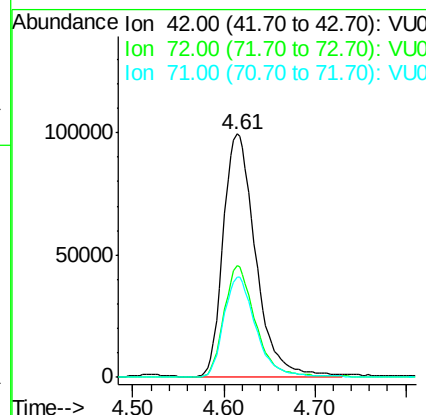
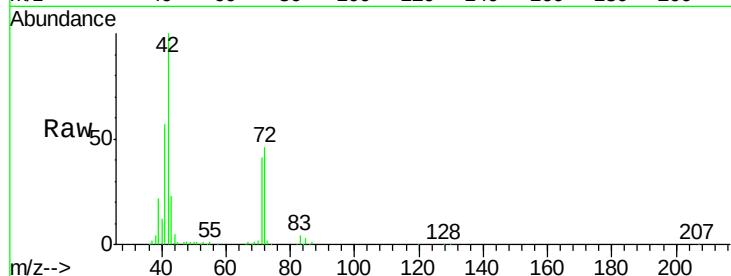
#29
Tetrahydrofuran
Concen: 106.272 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.8	53.6
71	41.4	34.0	51.0

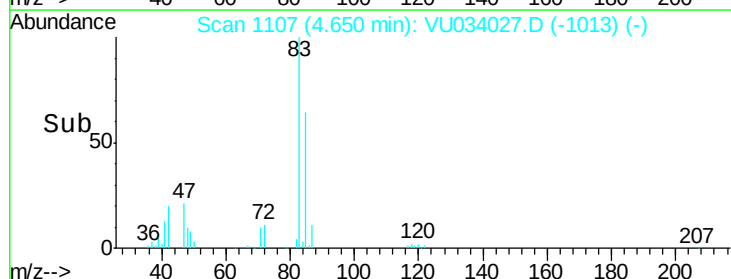
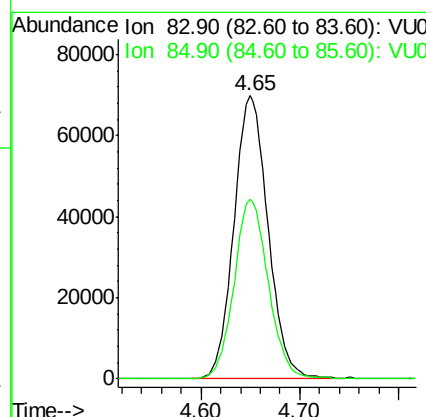
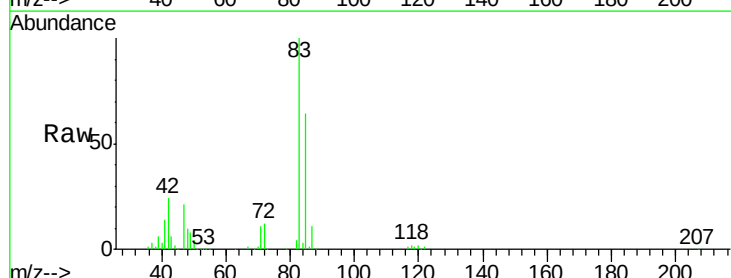
Manual Integrations
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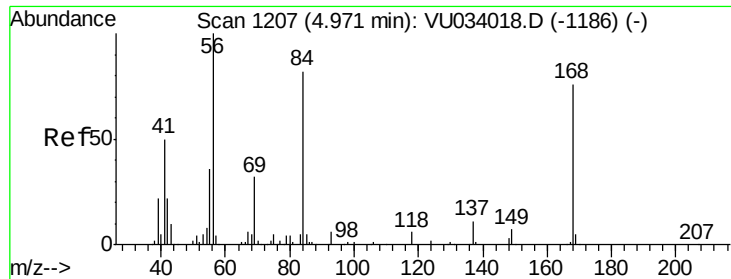
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8/29/2019 8:47:41 AM



#30
Chloroform
Concen: 20.051 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





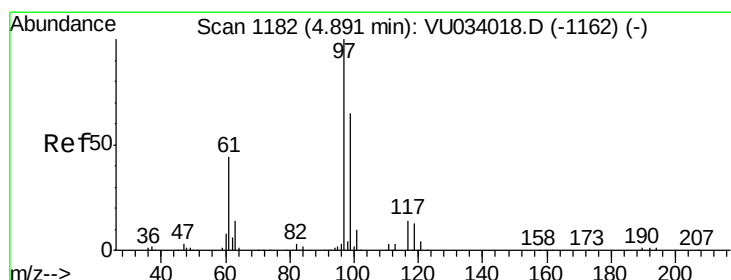
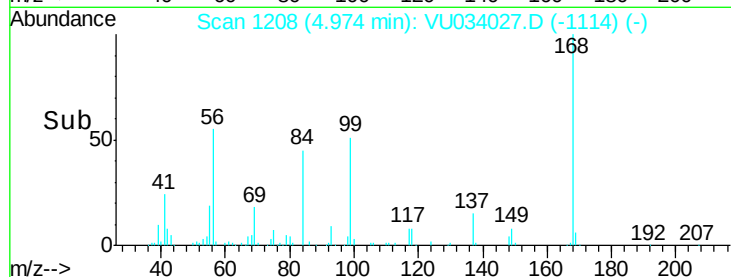
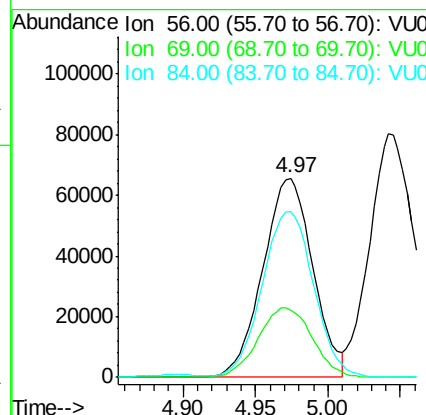
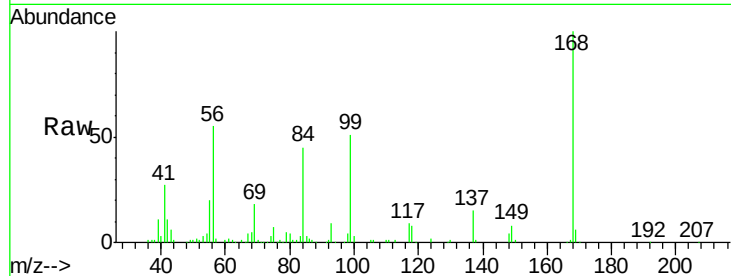
#31
Cyclohexane
Concen: 19.974 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.4	38.0
84	82.0	65.8	98.8

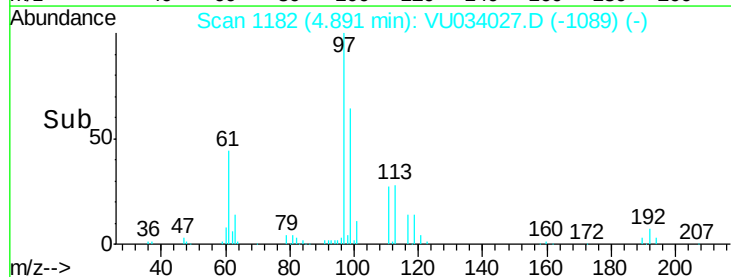
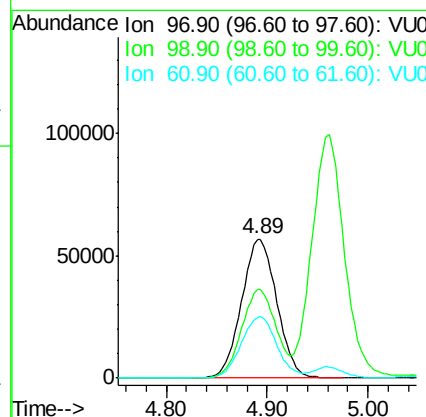
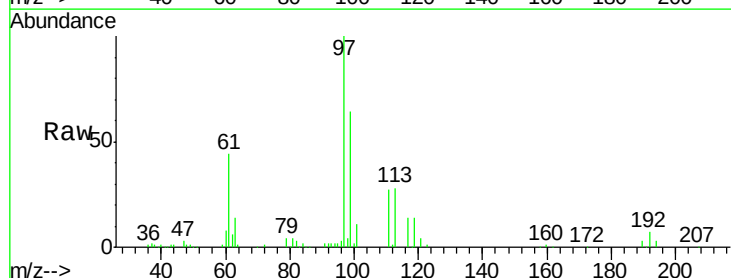
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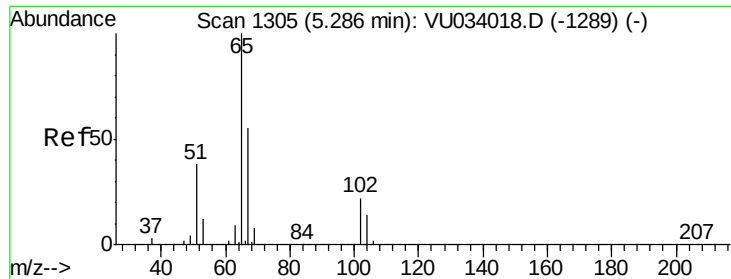
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#32
1,1,1-Trichloroethane
Concen: 20.131 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.8	77.6
61	44.4	35.3	52.9





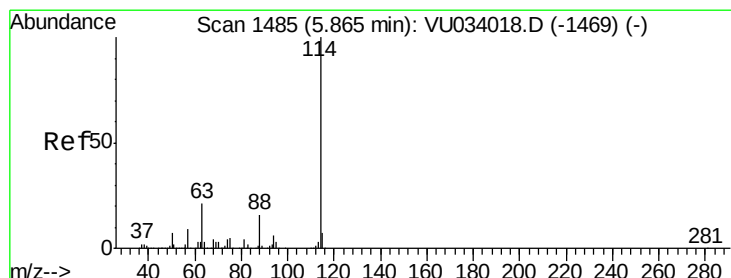
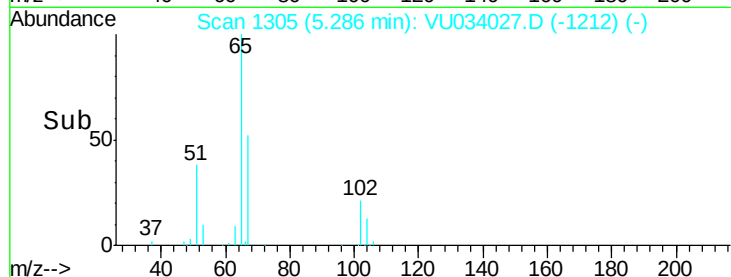
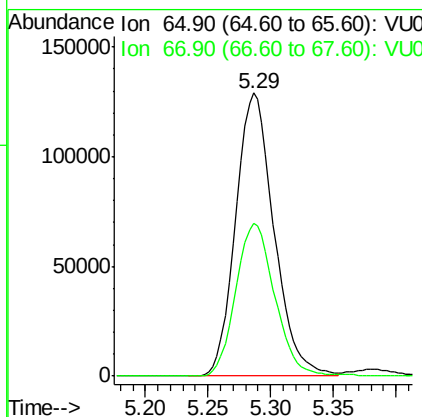
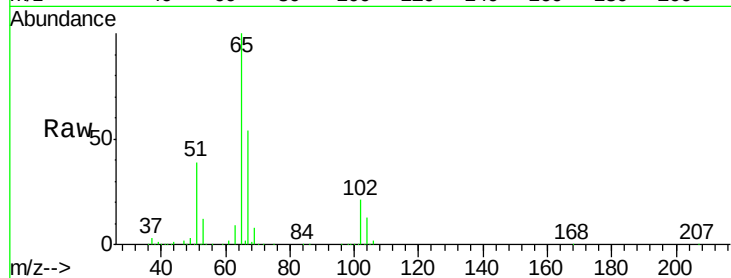
#33
 1,2-Dichloroethane-d4
 Concen: 51.999 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	274703		
67	55.1	0.0	110.6	

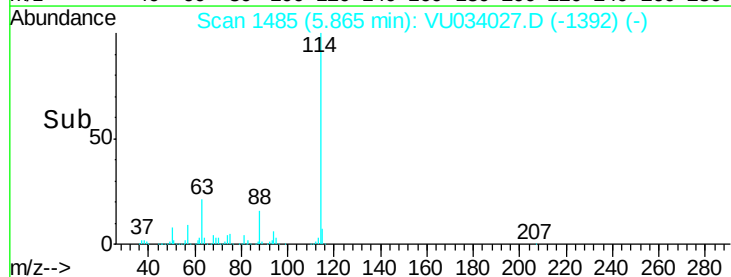
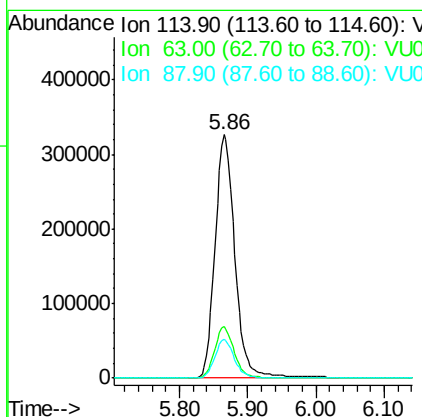
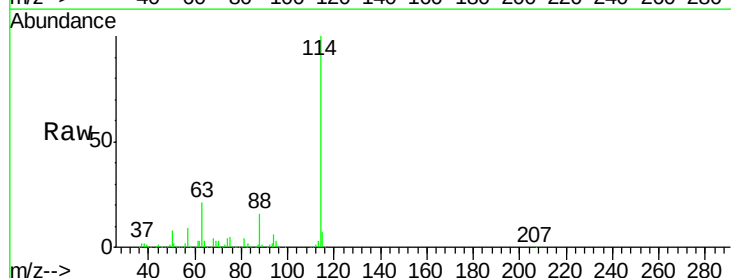
Manual Integrations
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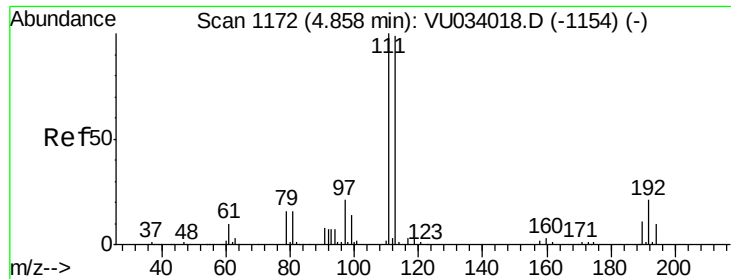
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	662591		
63	21.2	0.0	42.0	
88	15.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 49.596 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

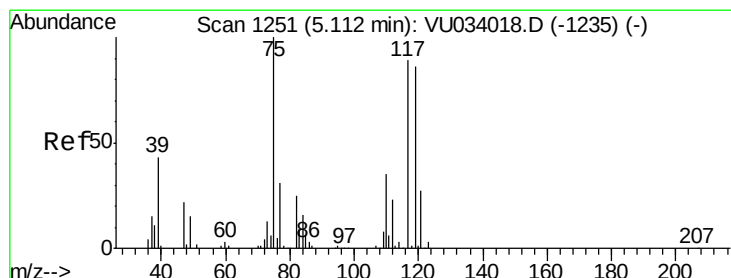
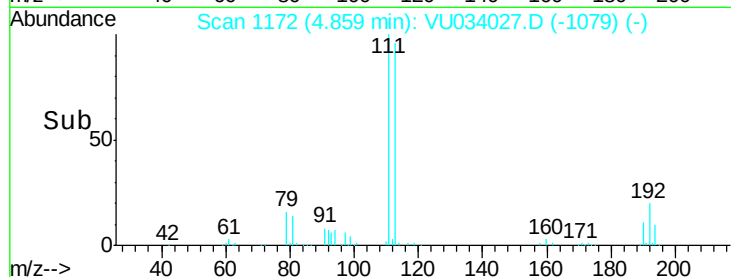
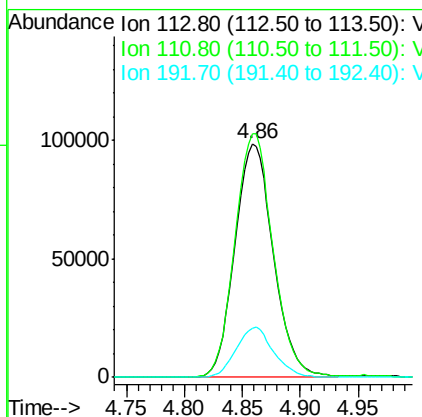
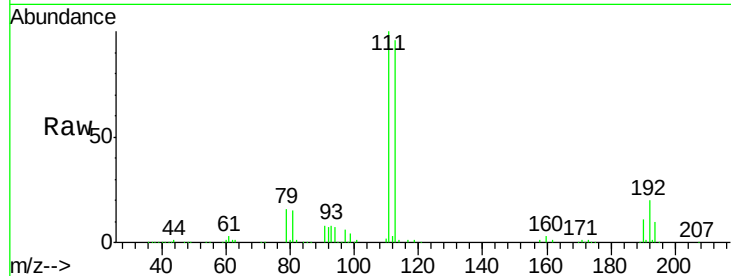
ClientSampleId :

VU0829WBS01

Tot Ion:	113	Resp:	227925
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.7	122.5
192	21.0	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.411 ug/l

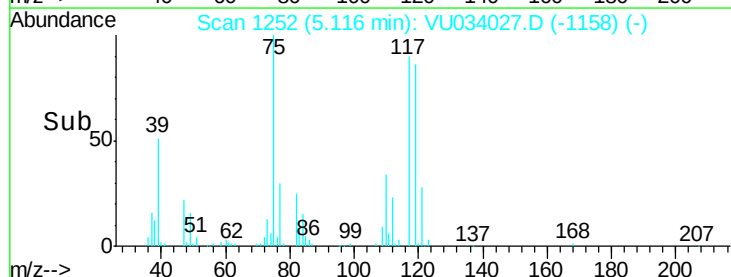
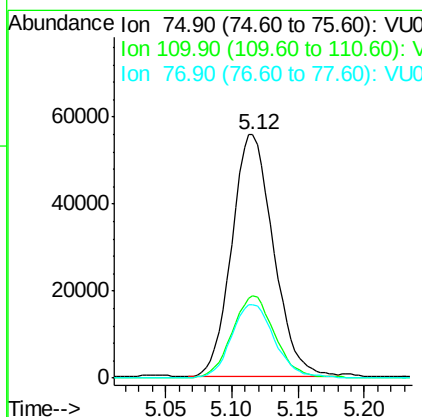
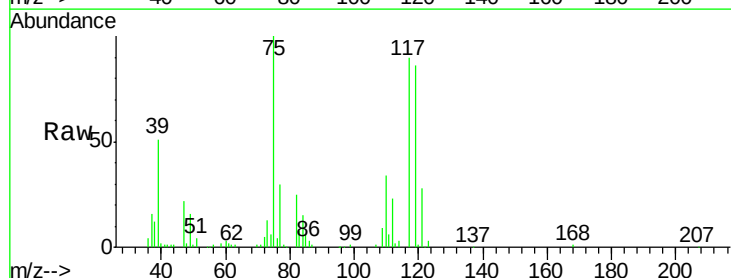
RT: 5.12 min Scan# 1252

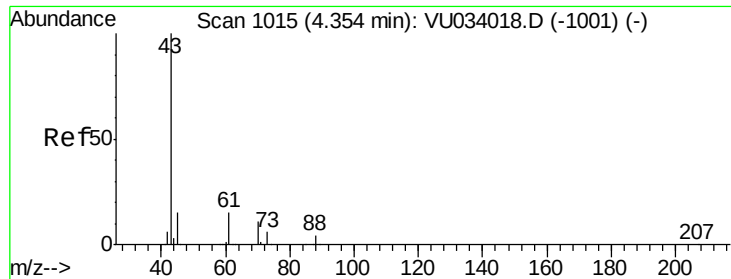
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	75	Resp:	121653
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.8	53.5
77	31.9	25.0	37.4





#37

Ethyl Acetate

Concen: 20.180 ug/l

RT: 4.36 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

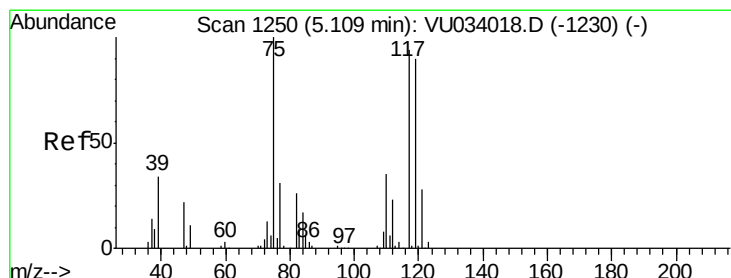
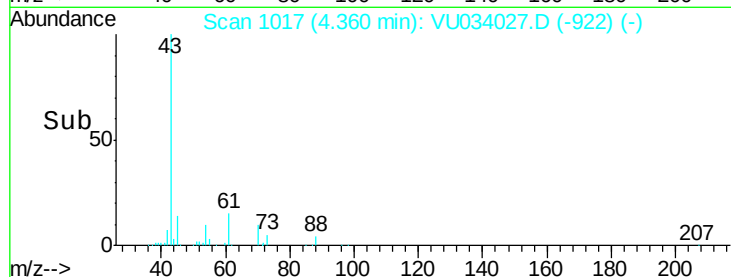
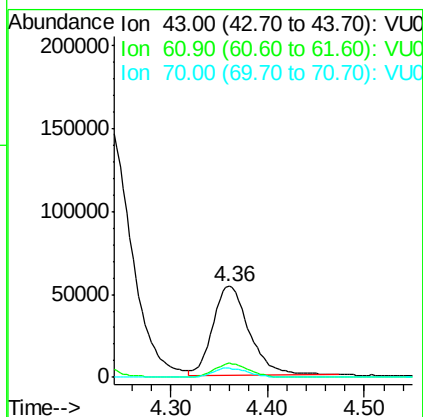
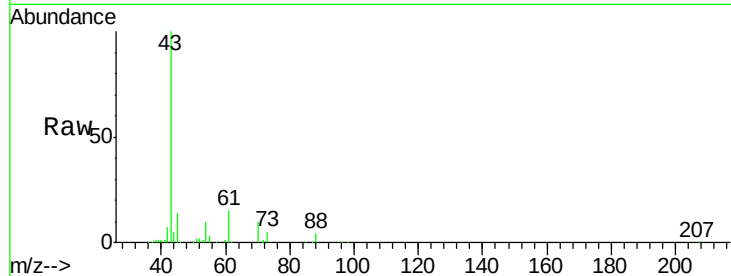
ClientSampled :

VU0829WBS01

Tot Ion:	43	Resp:	141631
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	9.7	8.6	12.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.051 ug/l

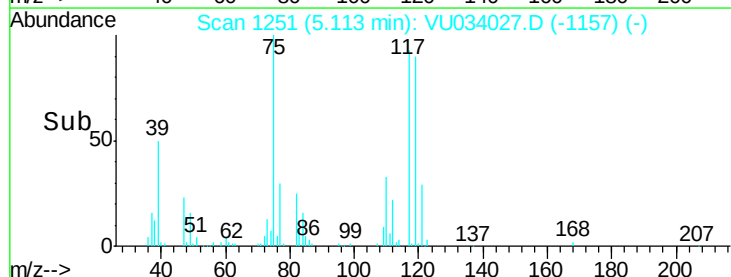
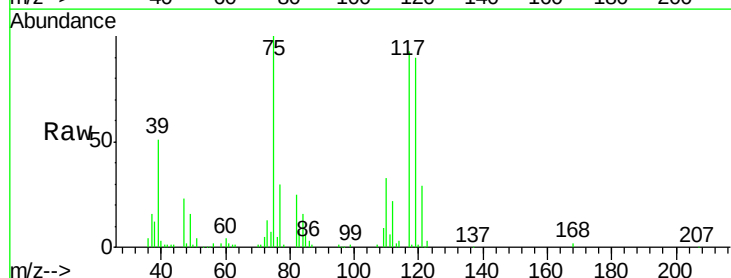
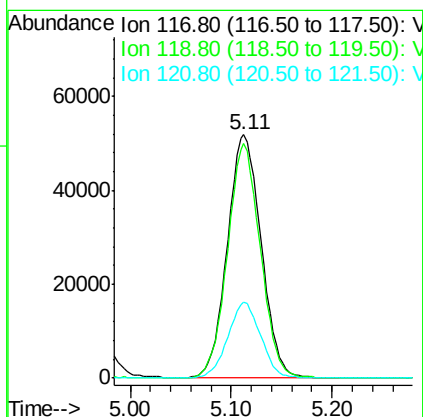
RT: 5.11 min Scan# 1251

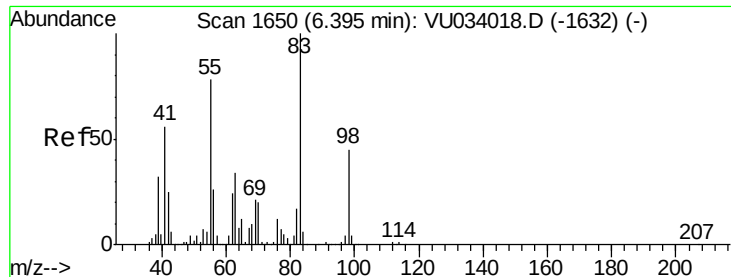
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	117	Resp:	121297
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.4
121	31.1	23.9	35.9





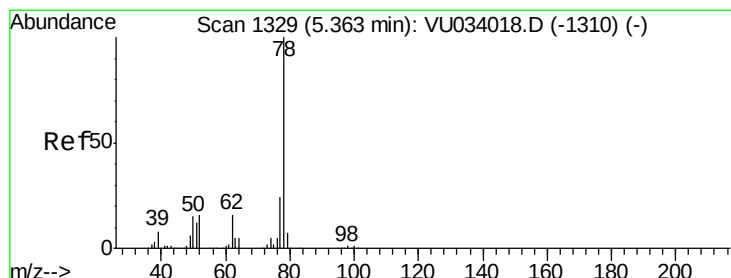
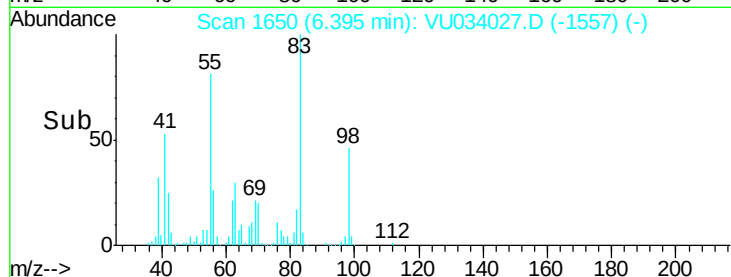
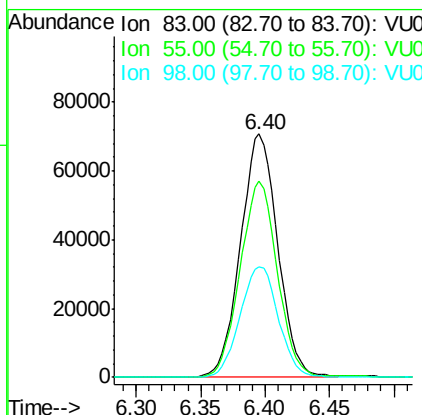
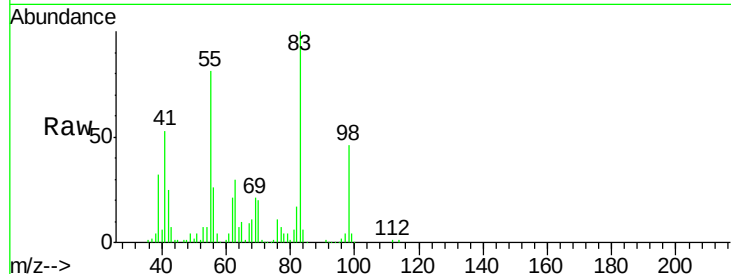
#39
Methylvlcyclohexane
Concen: 19.282 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142436		
55	80.6	62.3	93.5	
98	45.5	36.2	54.2	

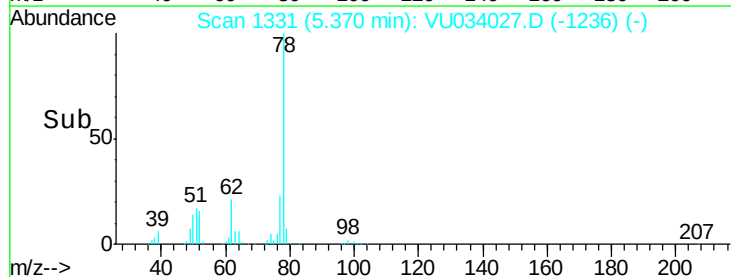
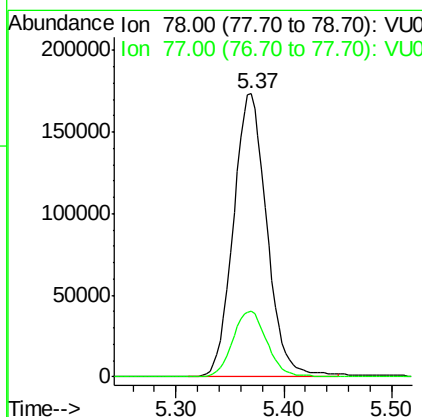
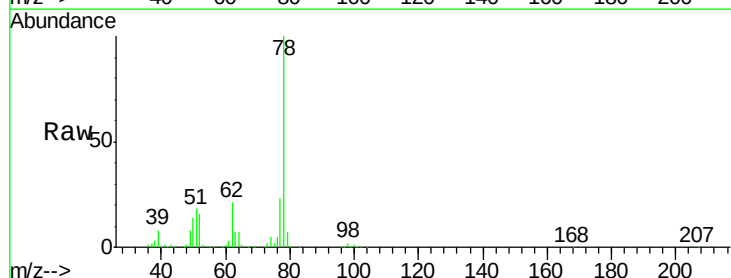
Manual Integrations
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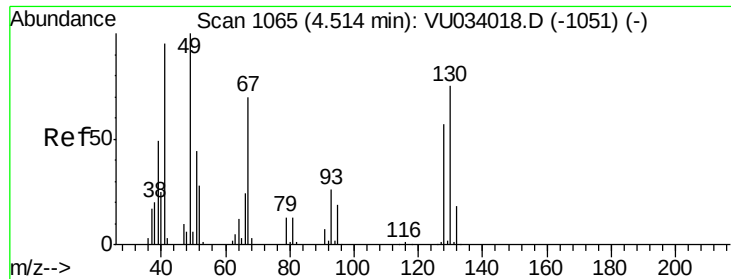
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#40
Benzene
Concen: 19.777 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	375008		
77	23.2	19.0	28.6	





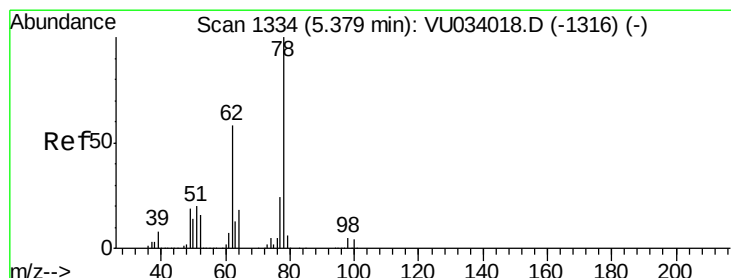
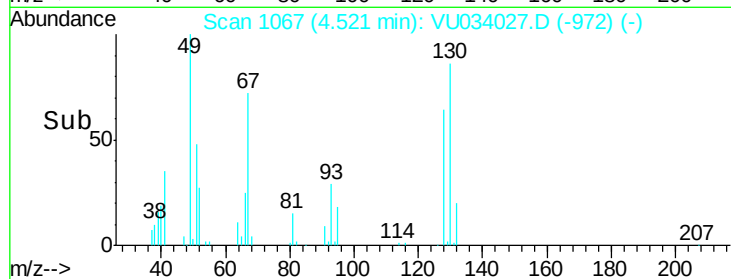
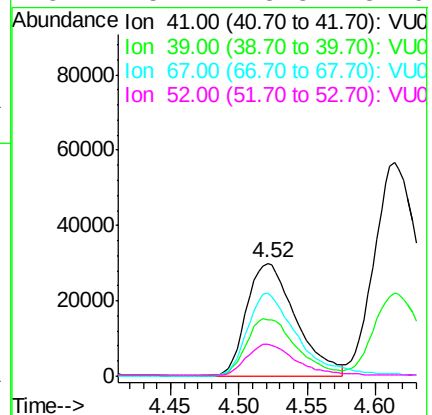
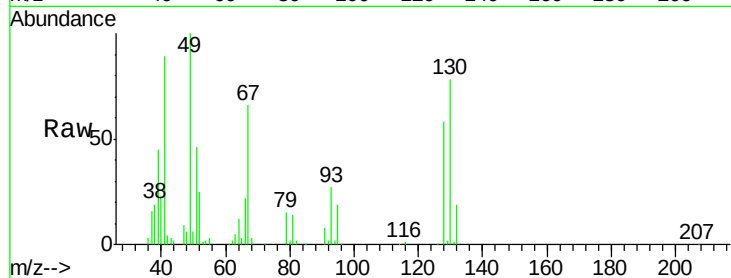
#41
Methacrylonitrile
Concen: 20.760 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.1	63.1	
67	76.0	61.0	91.4	
52	28.2	23.3	34.9	

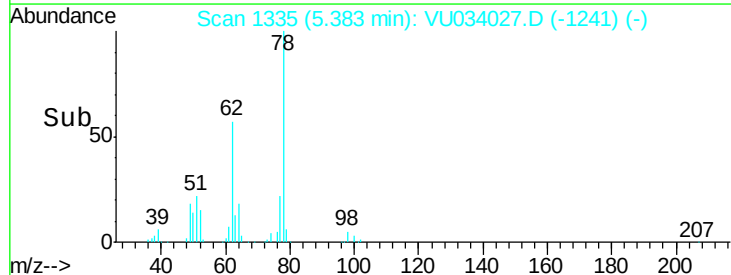
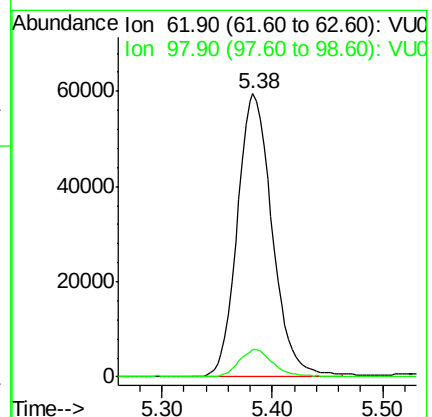
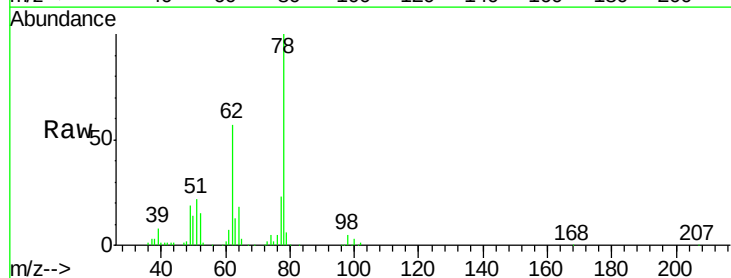
Manual Integrations
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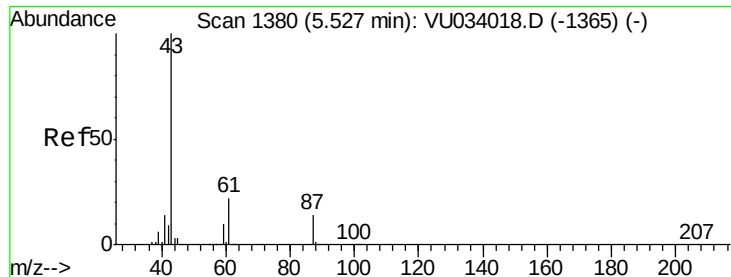
MMDadoda
8/29/2019 8:47:41 AM



#42
1,2-Dichloroethane
Concen: 19.943 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

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





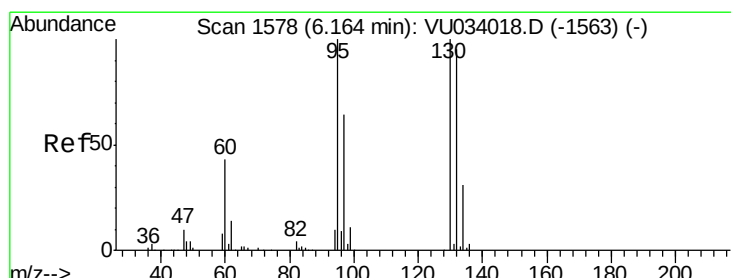
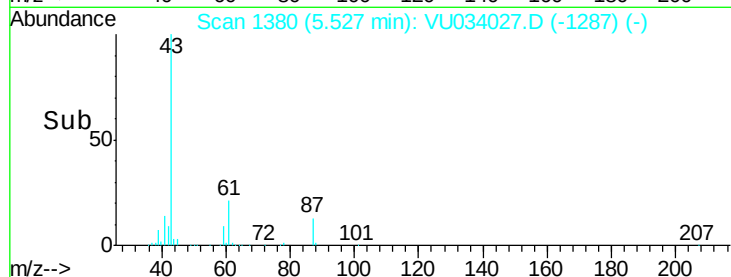
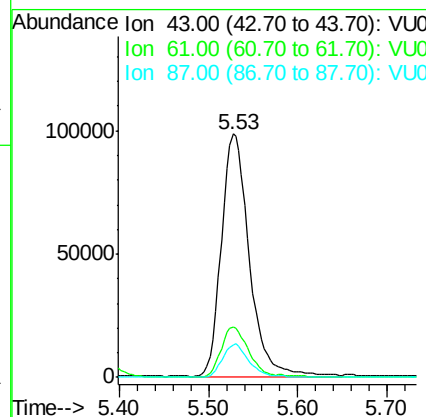
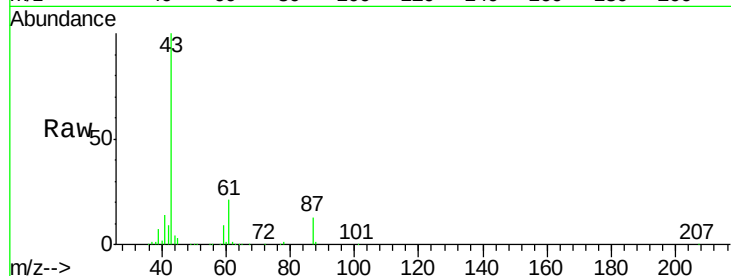
#43
Isopropyl Acetate
Concen: 19.915 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.2	25.8
87	13.2	10.8	16.2

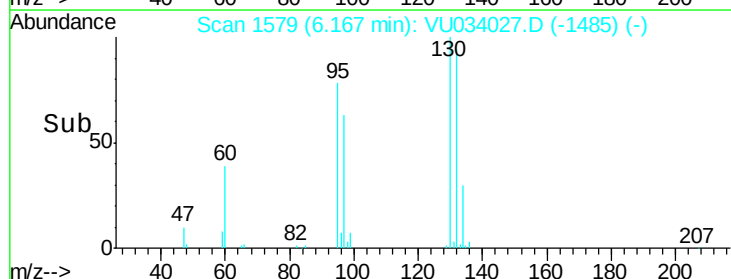
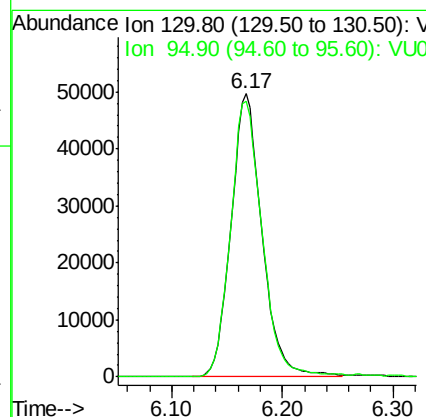
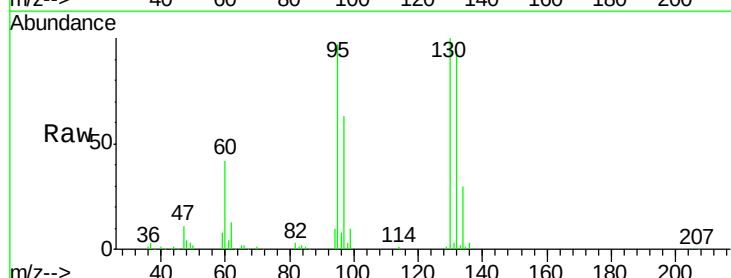
Manual Integrations
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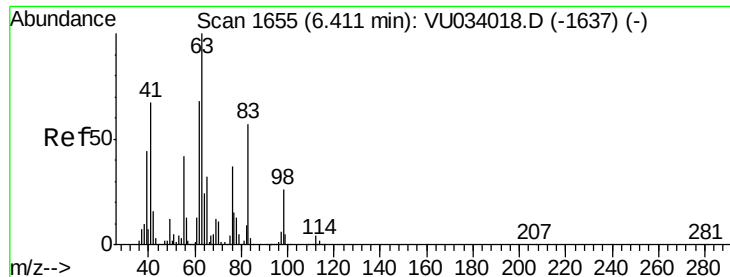
MMDadoda
8/29/2019 8:47:41 AM



#44
Trichloroethene
Concen: 19.406 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.644 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 63 Resp: 102539

Ion Ratio Lower Upper

63 100

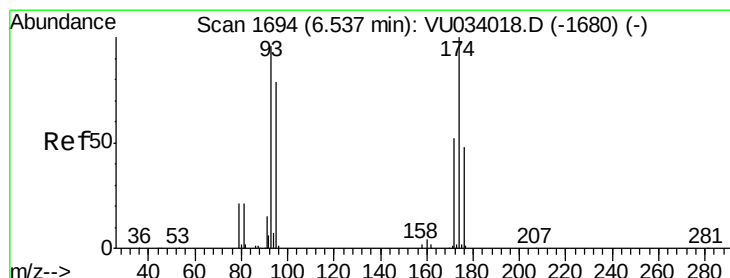
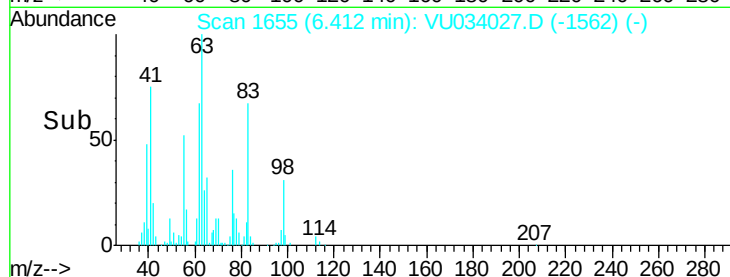
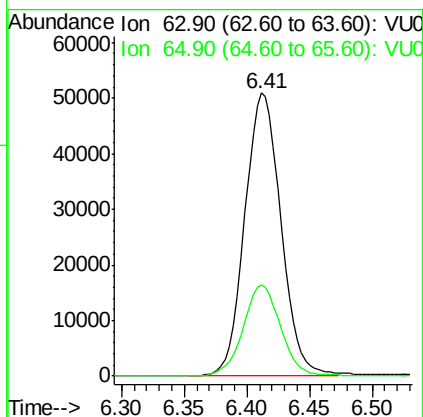
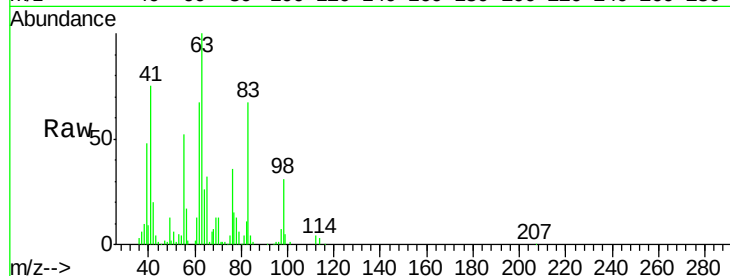
65 32.2 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.900 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

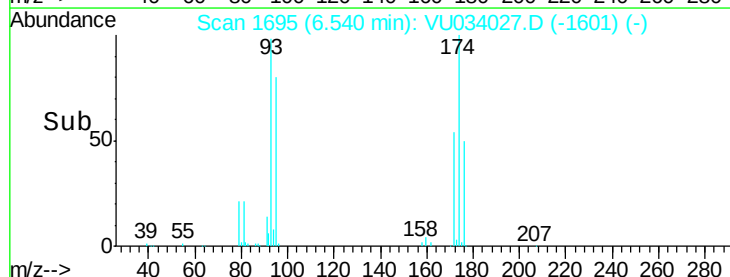
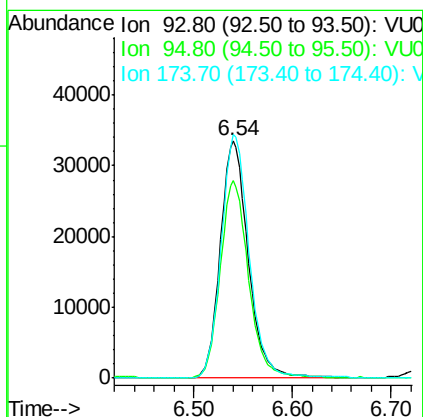
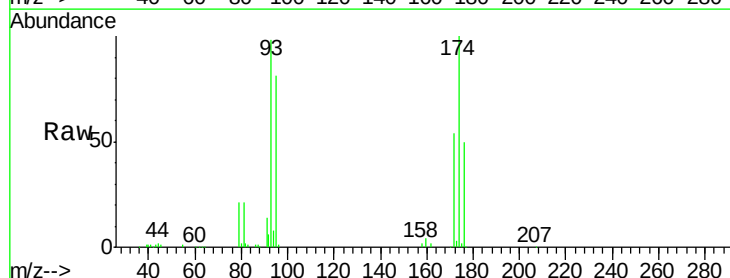
Tgt Ion: 93 Resp: 66922

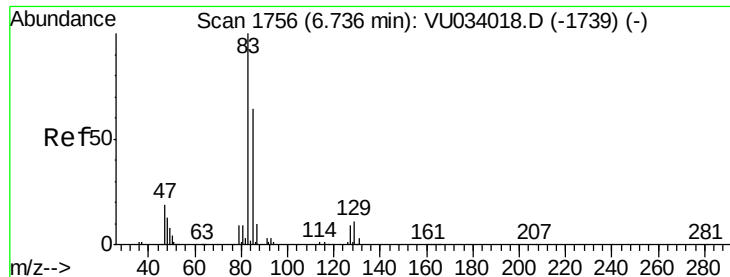
Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 102.1 84.9 127.3





#47

Bromodichloromethane

Concen: 19.249 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

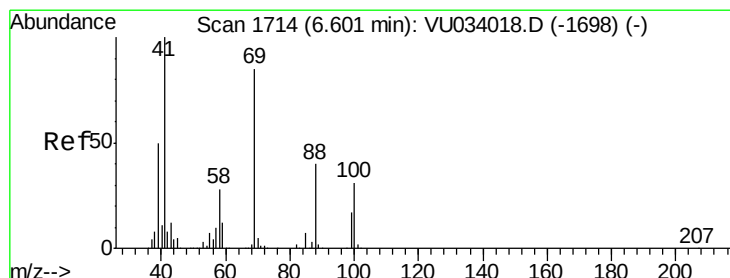
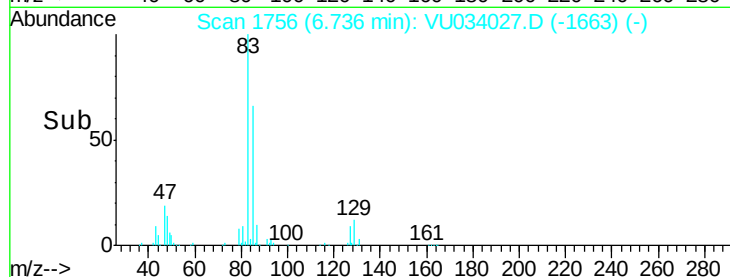
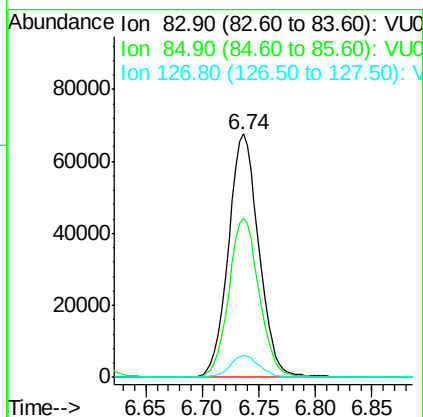
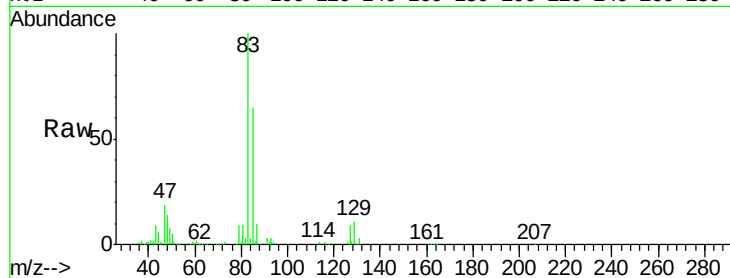
ClientSampleId :

VU0829WBS01

Tot Ion:	83	Resp:	126646
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.2	76.8
127	9.1	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.136 ug/l

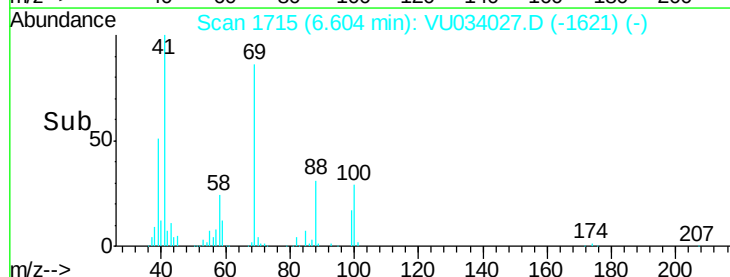
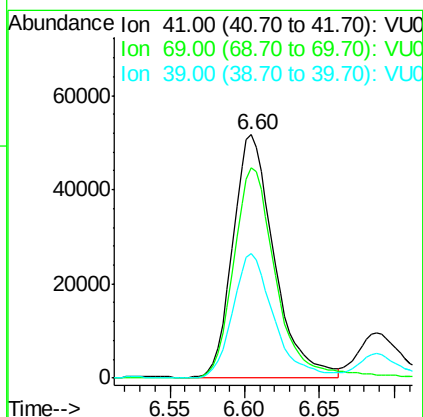
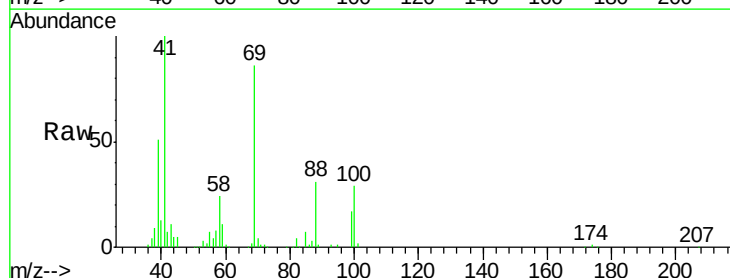
RT: 6.60 min Scan# 1715

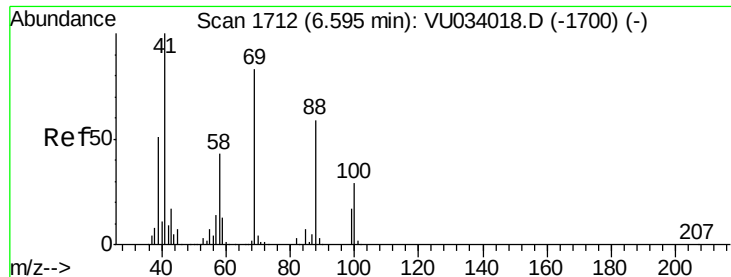
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	41	Resp:	98595
Ion	Ratio	Lower	Upper
41	100		
69	89.7	69.5	104.3
39	50.3	40.3	60.5





#49

1,4-Dioxane

Concen: 362.249 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

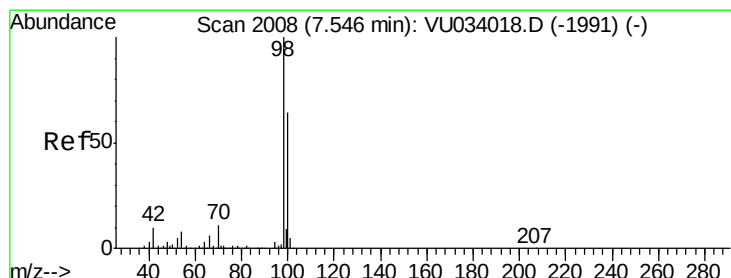
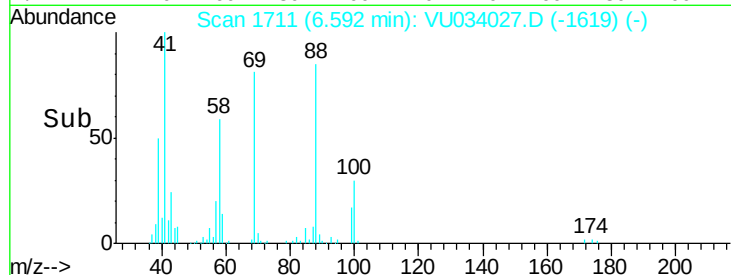
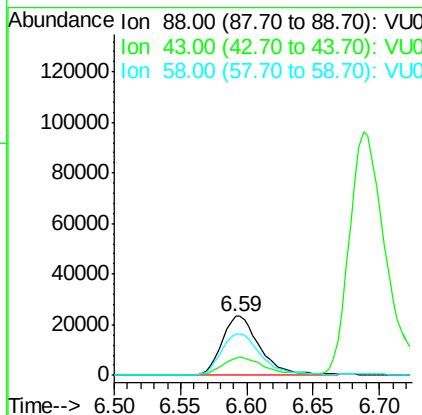
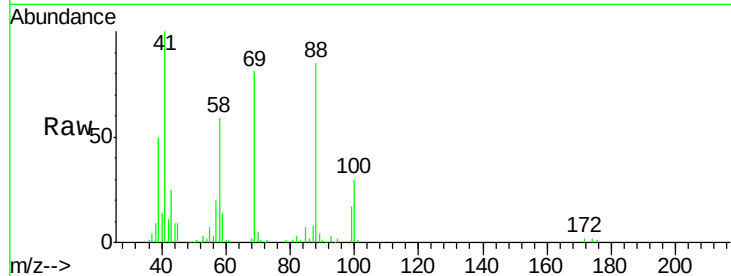
ClientSampleId :

VU0829WBS01

Tot Ion:	88	Resp:	46764
Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.8	37.2
58	73.0	59.3	88.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.826 ug/l

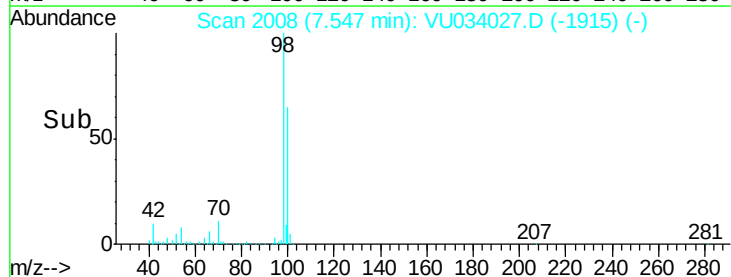
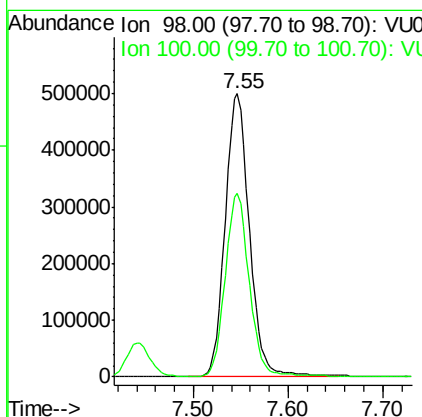
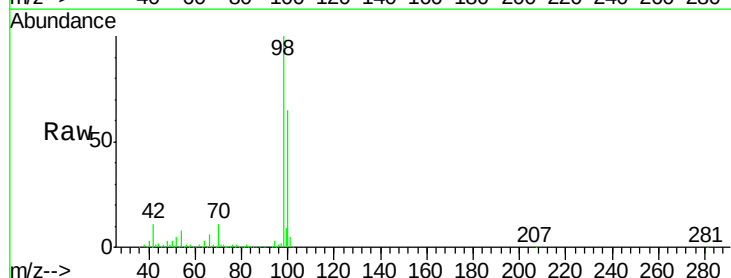
RT: 7.55 min Scan# 2008

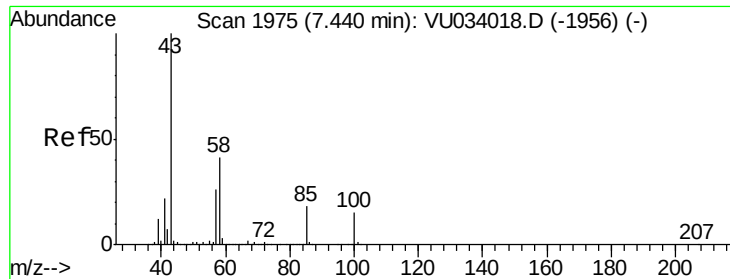
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	98	Resp:	891820
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.3	75.5





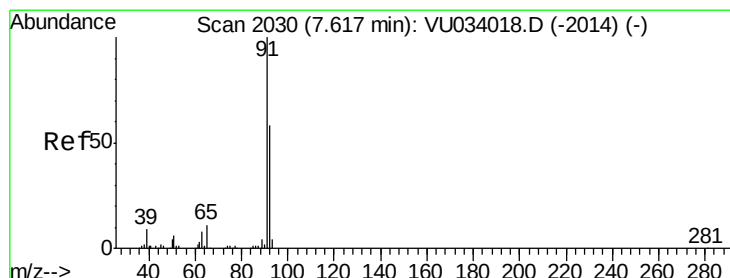
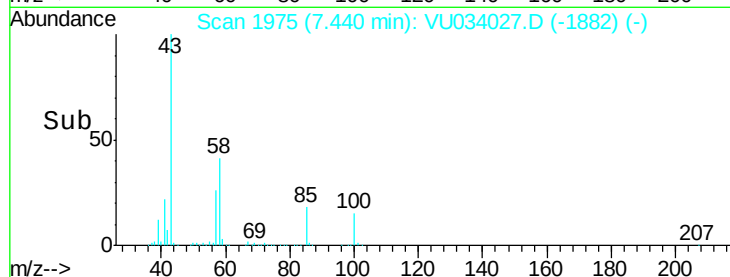
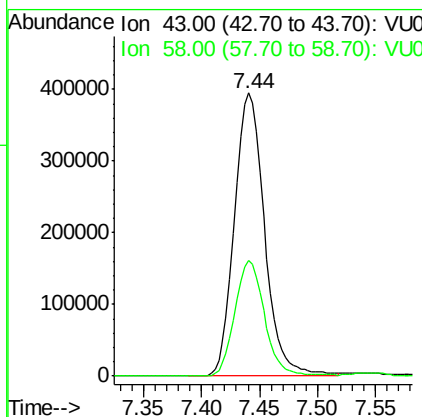
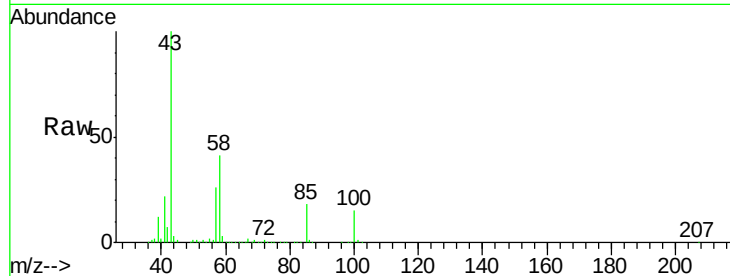
#51
4-Methyl-2-Pentanone
Concen: 96.178 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.2	48.4

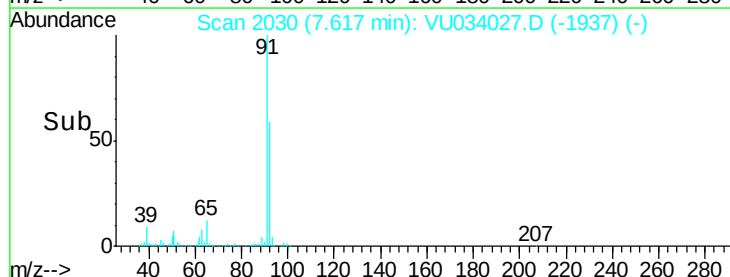
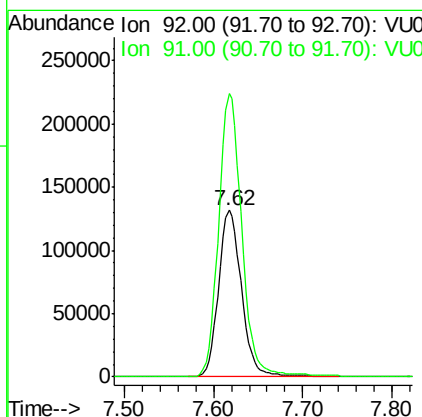
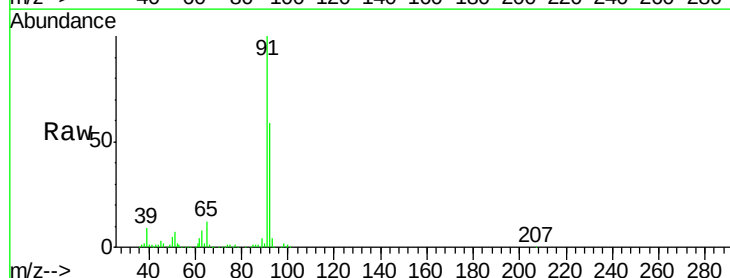
Manual Integrations
APPROVED

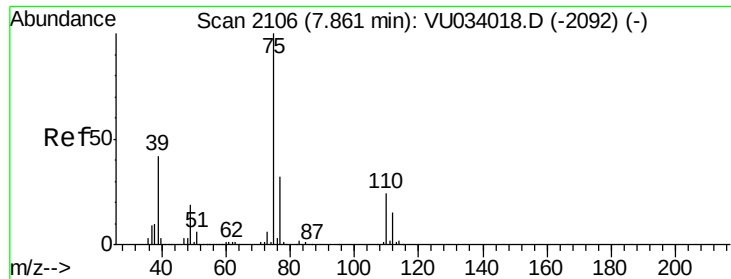
MMDadoda
8/29/2019 8:47:41 AM



#52
Toluene
Concen: 20.246 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 75 Resp: 137536

Ion Ratio Lower Upper

75 100

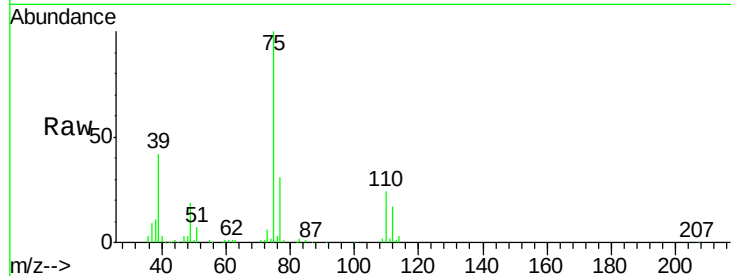
77 31.2 25.4 38.0

Manual Integrations

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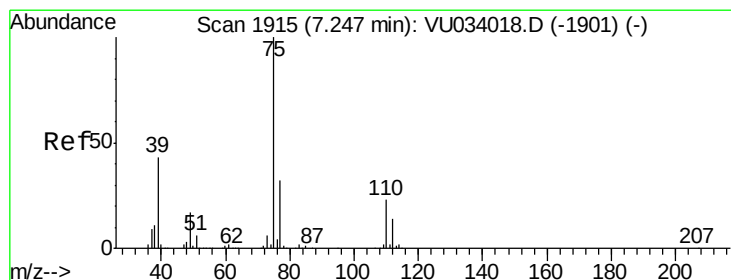
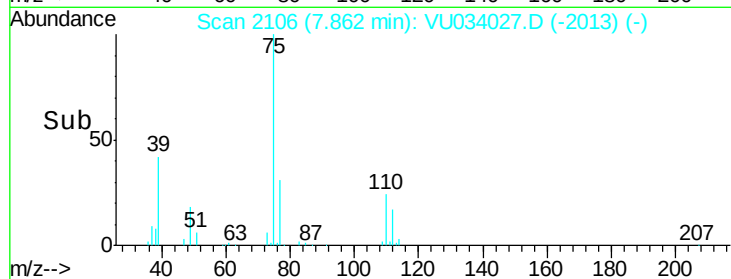
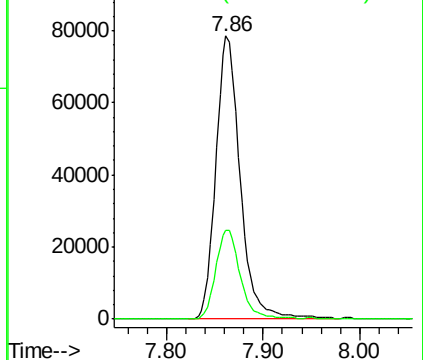
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

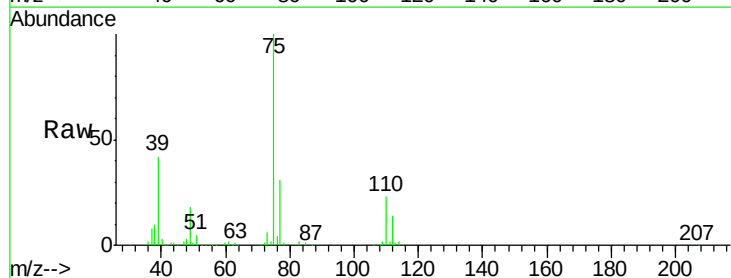
Tgt Ion: 75 Resp: 155211

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

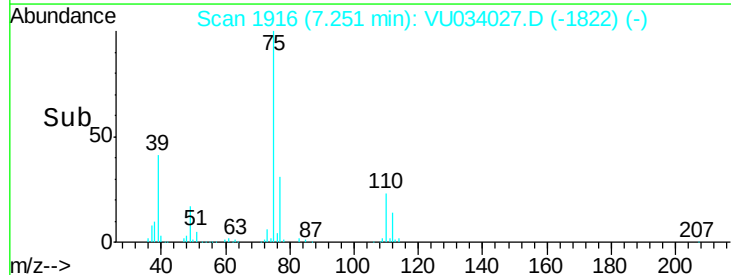
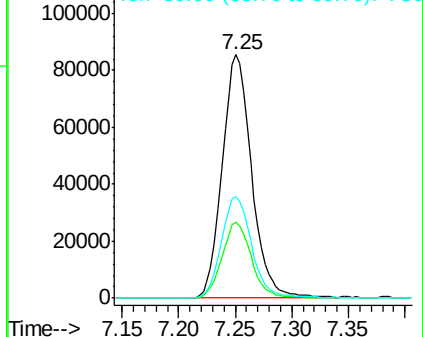
39 41.3 34.6 51.8

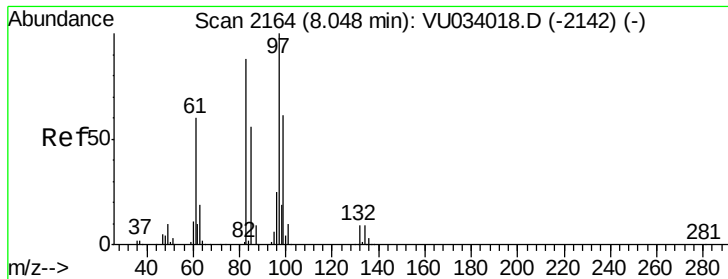


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 18.981 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

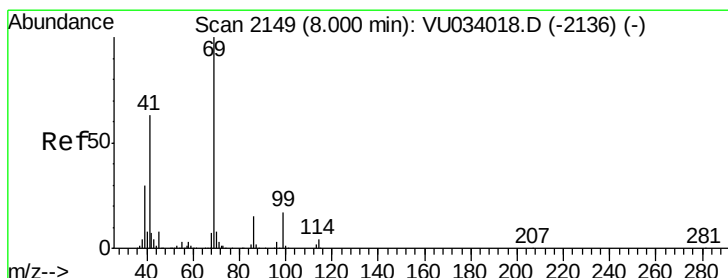
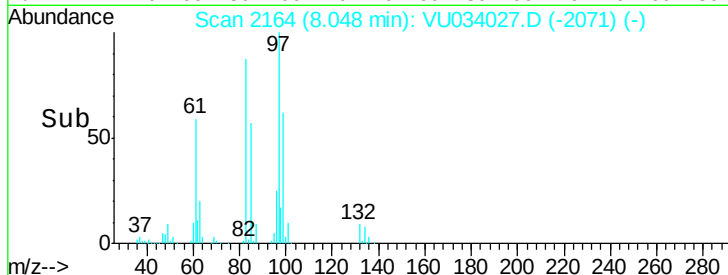
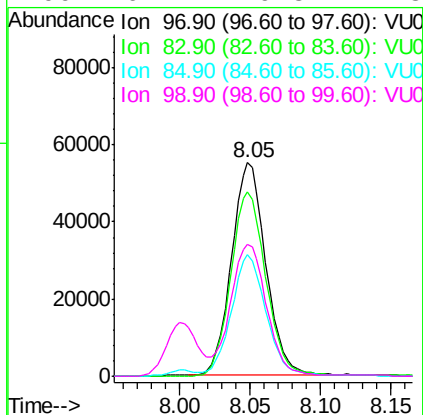
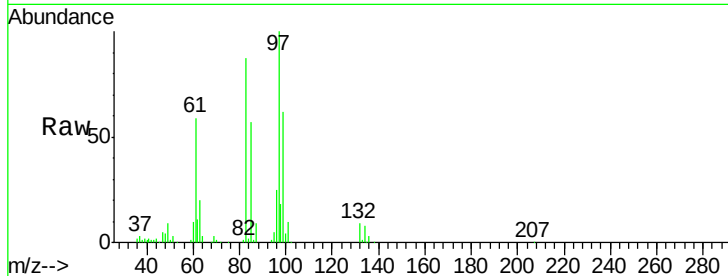
ClientSampleId :

VU0829WBS01

Tot Ion:	97	Resp:	93785
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	56.7	45.0	67.4
99	61.2	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.497 ug/l

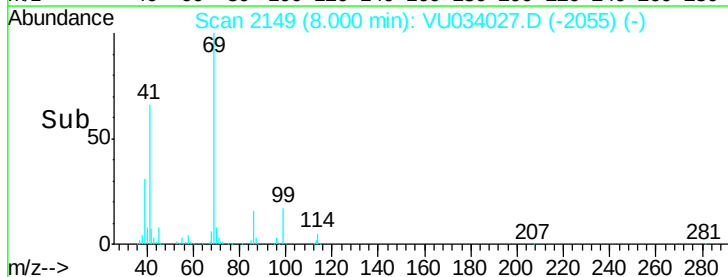
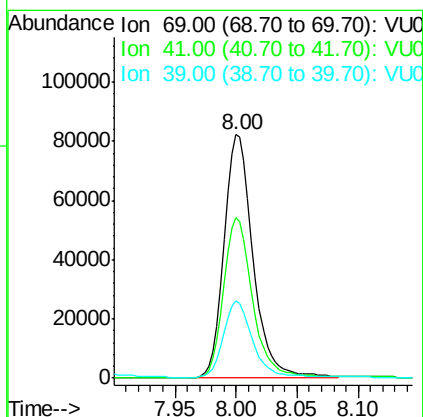
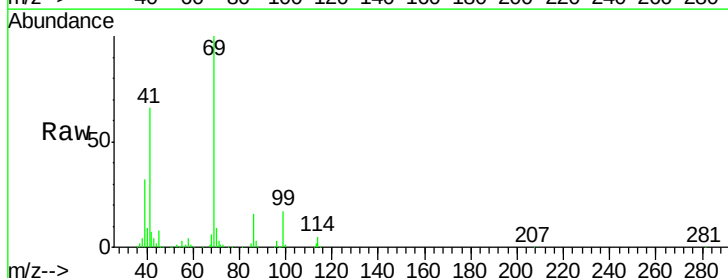
RT: 8.00 min Scan# 2149

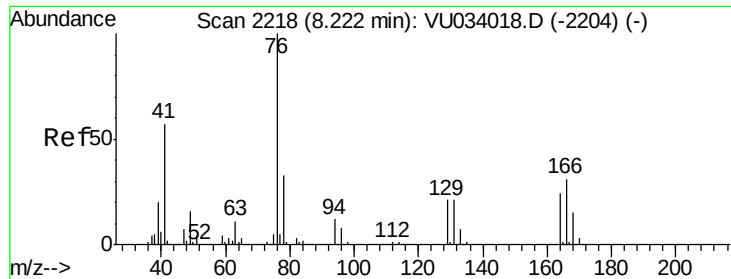
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion:	69	Resp:	138122
Ion	Ratio	Lower	Upper
69	100		
41	65.4	50.7	76.1
39	31.1	24.2	36.2





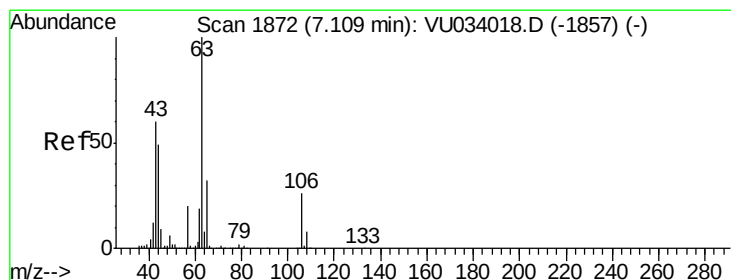
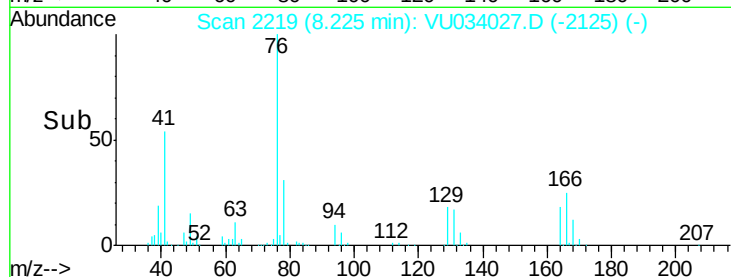
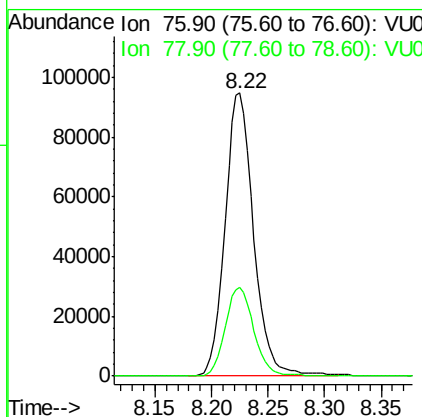
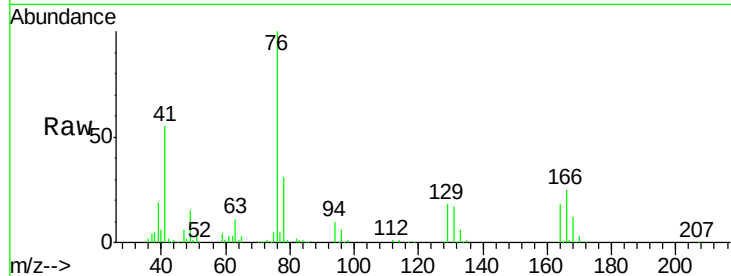
#57
 1,3-Dichloropropane
 Concen: 19.834 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion: 76 Resp: 166396
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.4

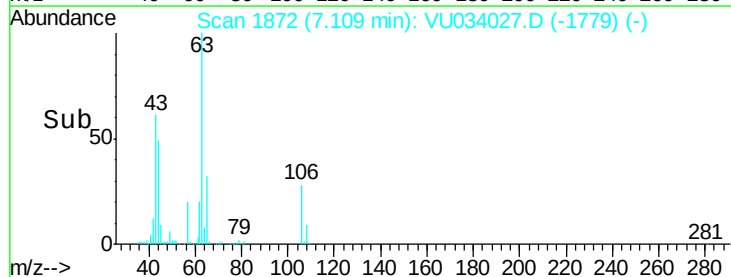
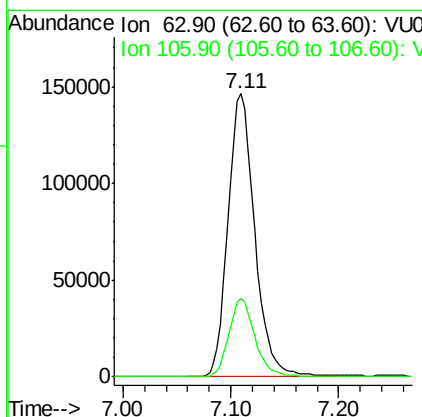
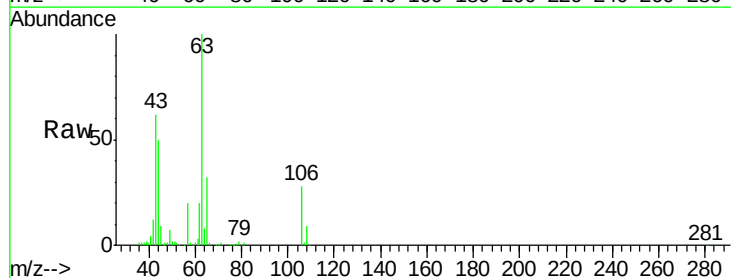
Manual Integrations
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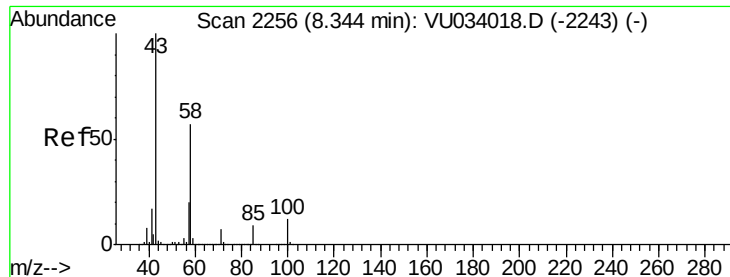
MMDadoda
 8/29/2019 8:47:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.994 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 63 Resp: 254196
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.7 31.1





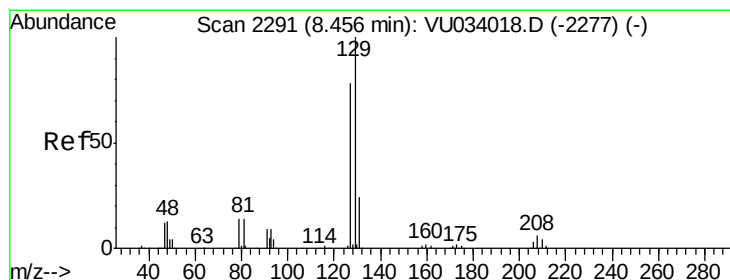
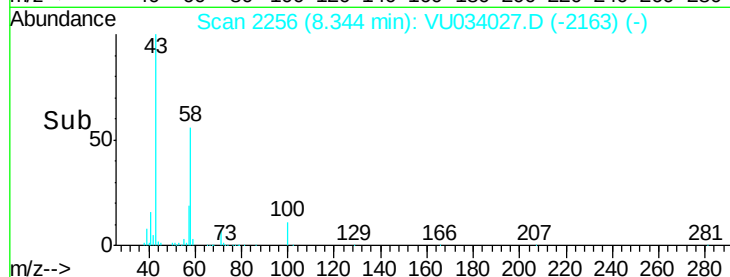
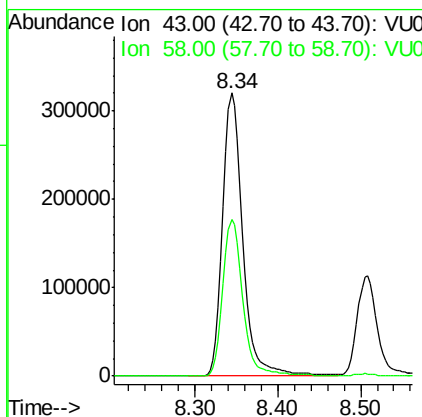
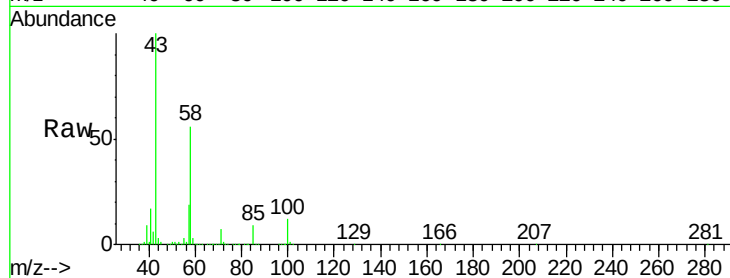
#59
2-Hexanone
Concen: 96.720 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.4	85.3

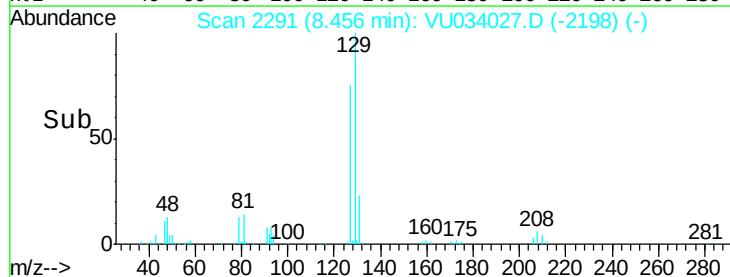
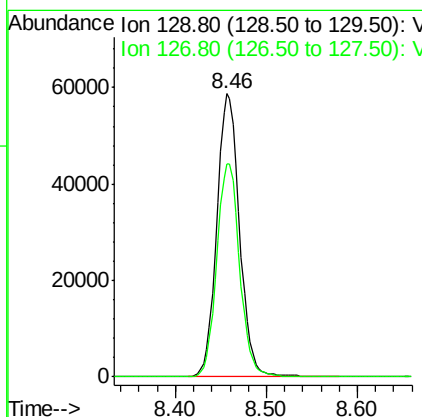
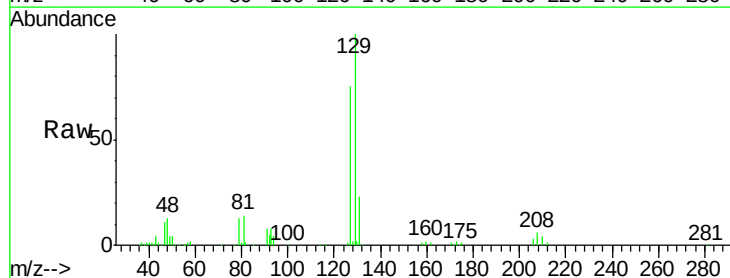
Manual Integrations
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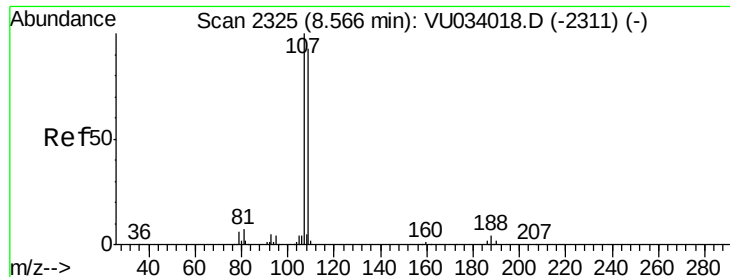
MMDadoda
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#60
Dibromochloromethane
Concen: 19.174 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.0	116.9





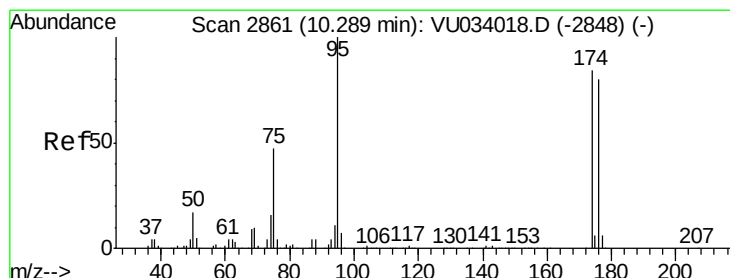
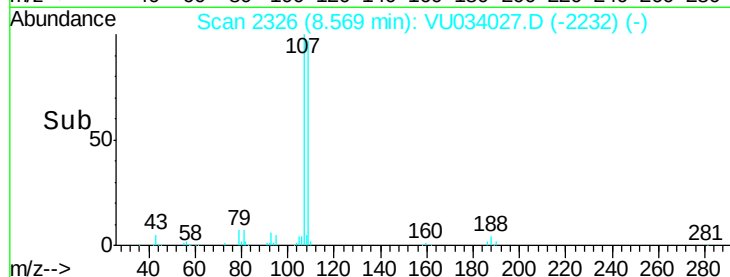
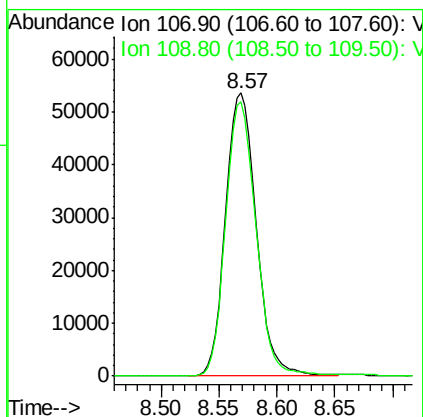
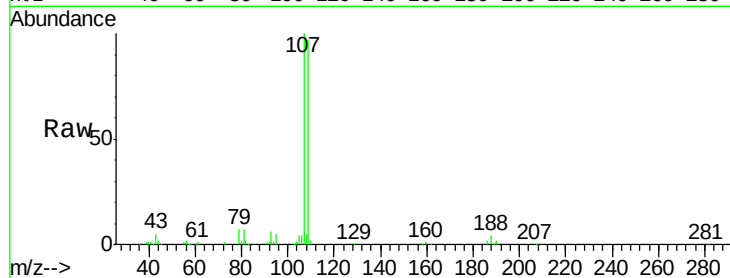
#61
 1,2-Dibromoethane
 Concen: 18.917 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.2	112.8

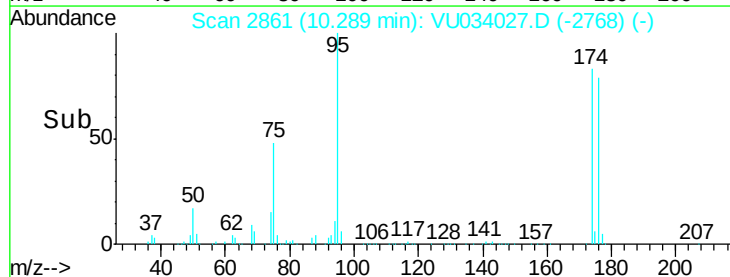
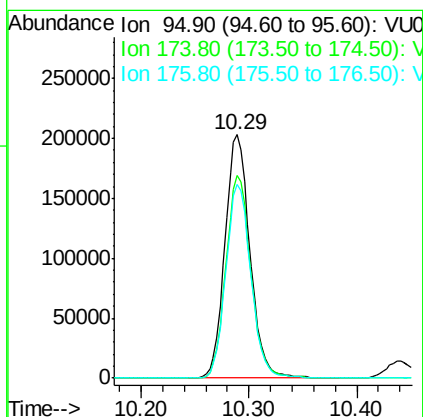
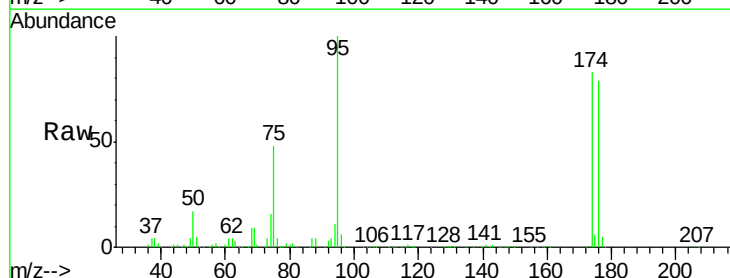
Manual Integrations
 APPROVED

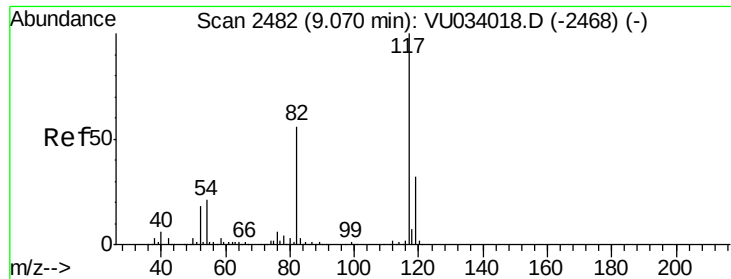
MMDadoda
 8/29/2019 8:47:41 AM



#62
 4-Bromofluorobenzene
 Concen: 48.771 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	168.8
176	79.9	0.0	161.8





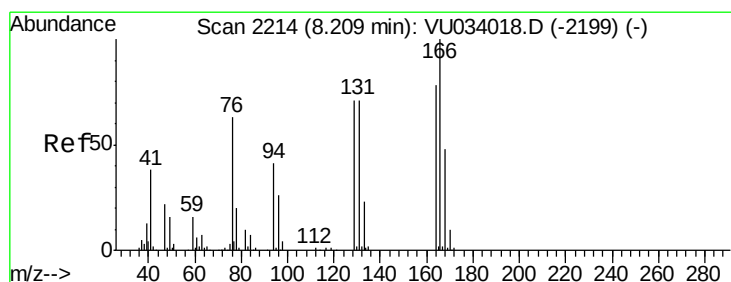
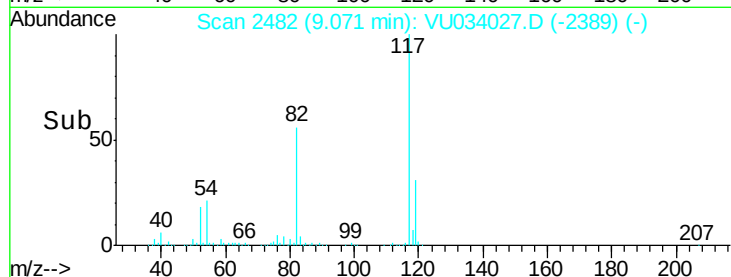
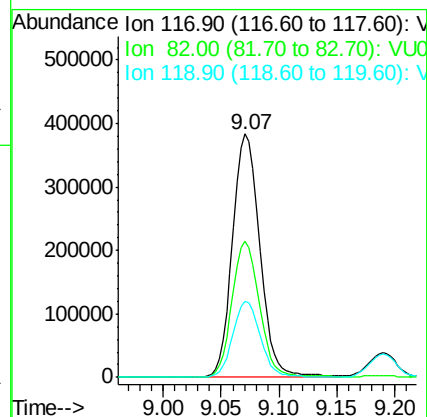
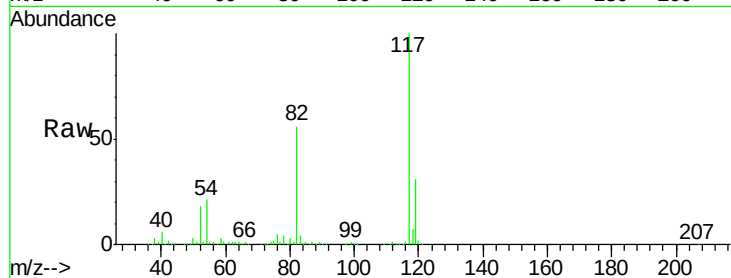
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.1	67.7
119	31.3	25.4	38.0

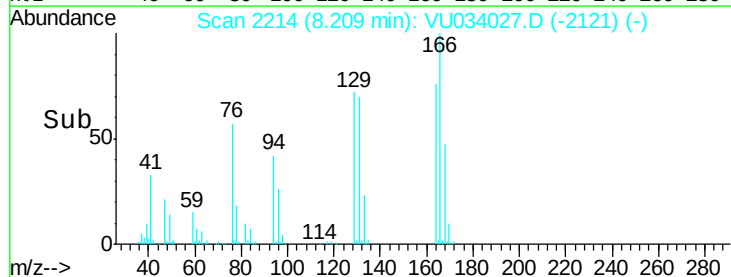
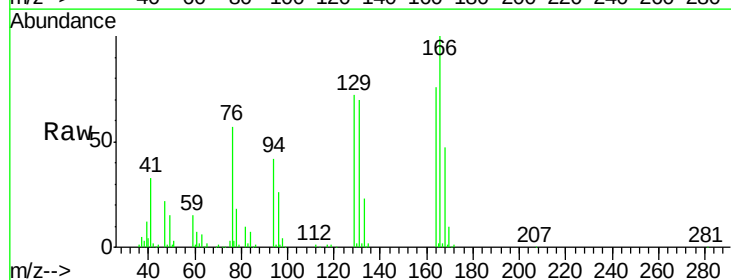
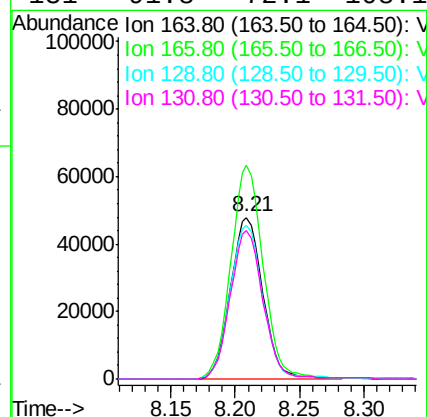
Manual Integrations
APPROVED

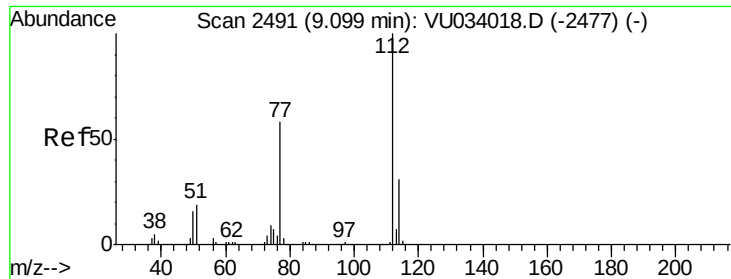
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#64
Tetrachloroethene
Concen: 19.785 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	102.2	153.2
129	94.5	72.4	108.6
131	91.8	72.1	108.1





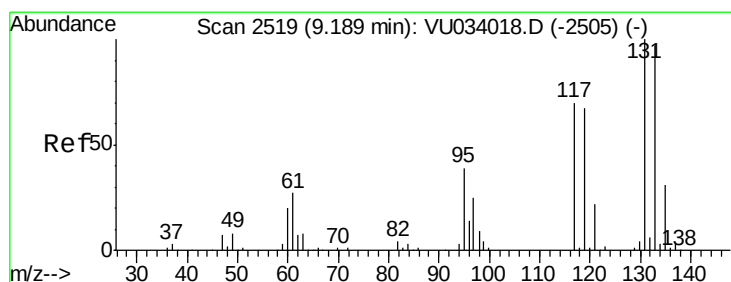
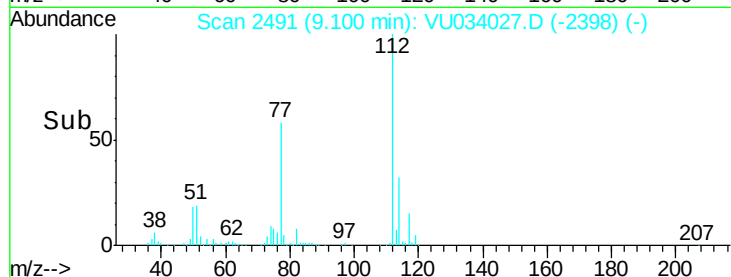
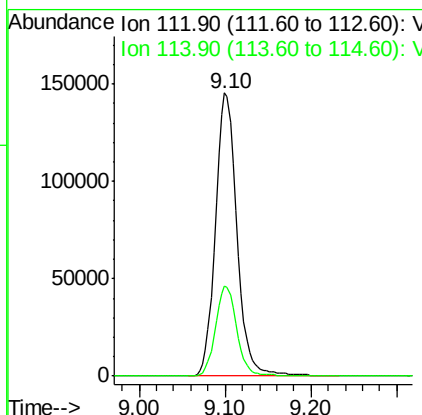
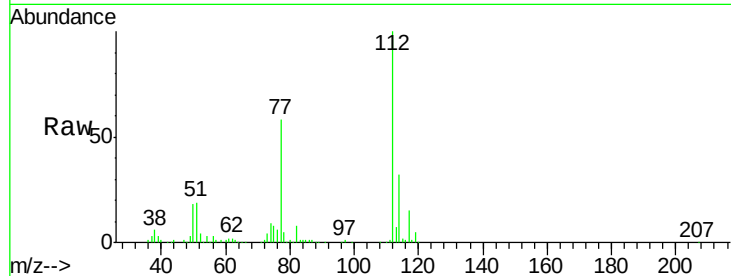
#65
Chlorobenzene
Concen: 19.563 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion:112 Resp: 254113
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4

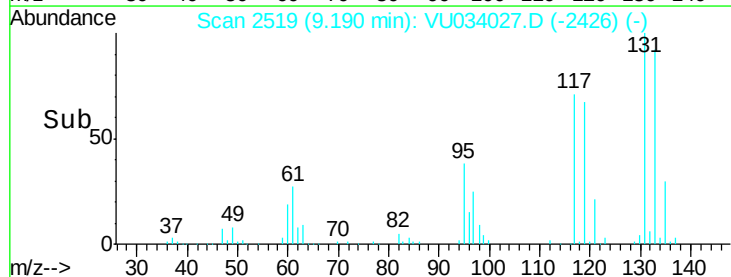
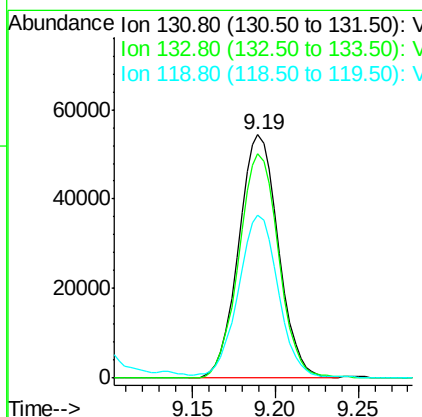
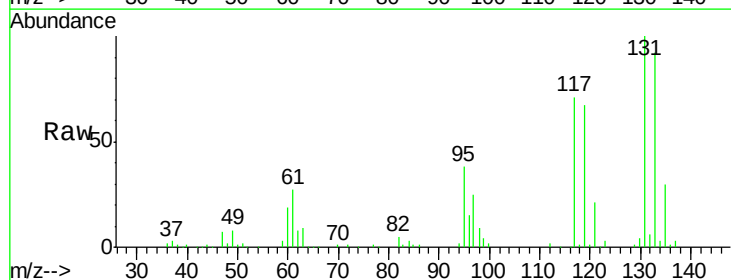
Manual Integrations
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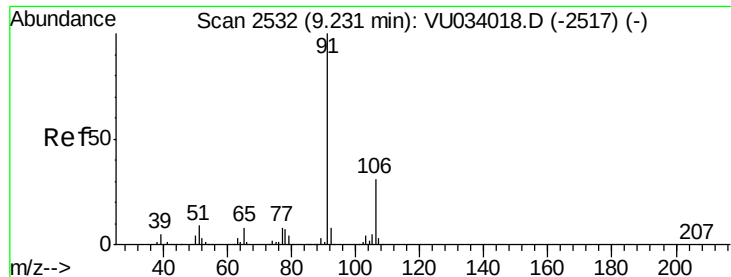
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.264 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion:131 Resp: 90734
Ion Ratio Lower Upper
131 100
133 92.6 48.4 145.2
119 68.2 33.6 100.6





#67

Ethyl Benzene

Concen: 19.741 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 91 Resp: 434682

Ion Ratio Lower Upper

91 100

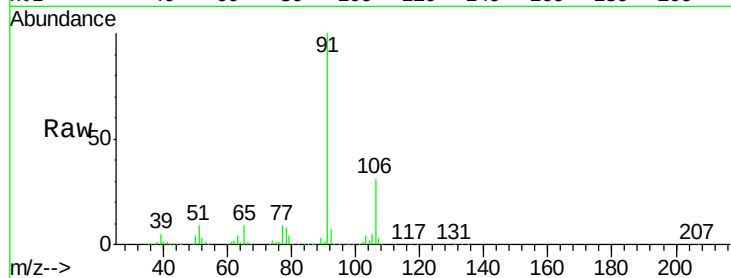
106 31.2 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034018.D (-2517) (-)

400000

300000

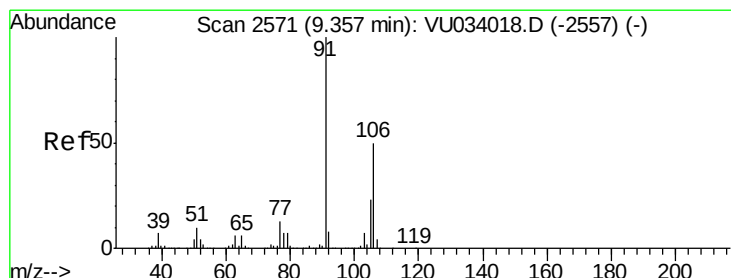
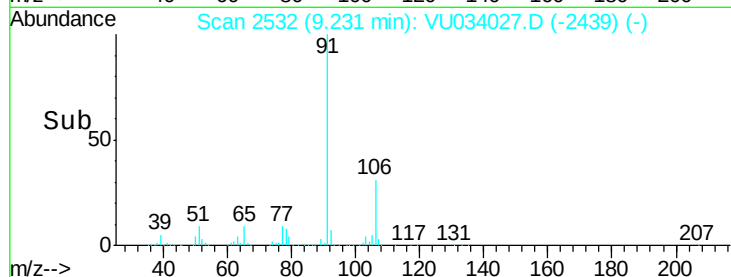
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 39.714 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034027.D

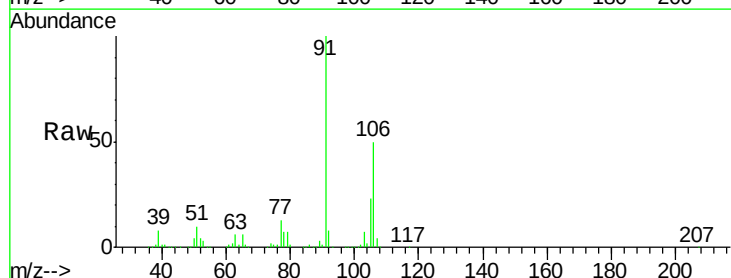
Acq: 28 Aug 2019 16:55

Tgt Ion: 106 Resp: 332504

Ion Ratio Lower Upper

106 100

91 201.7 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VU034018.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2557) (-)

400000

300000

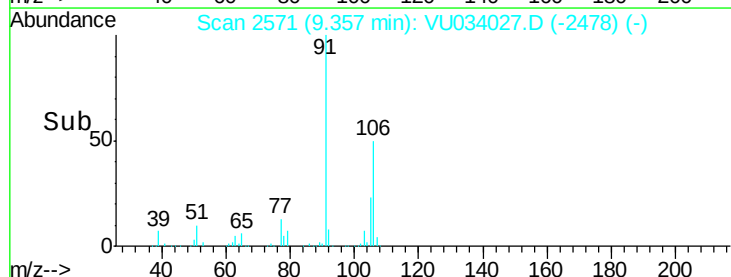
200000

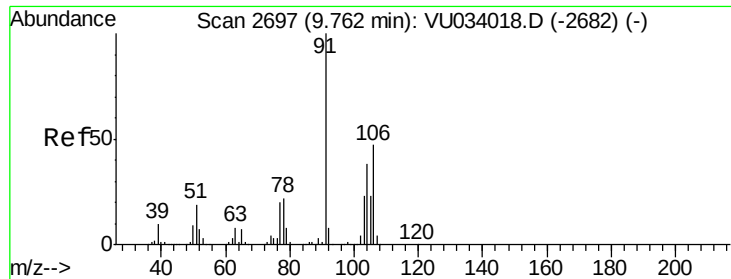
100000

0

9.30 9.40 9.50

Time-->





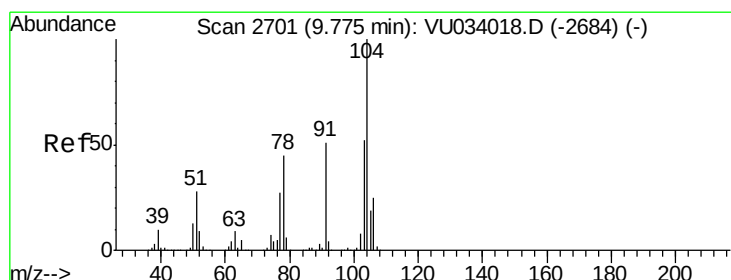
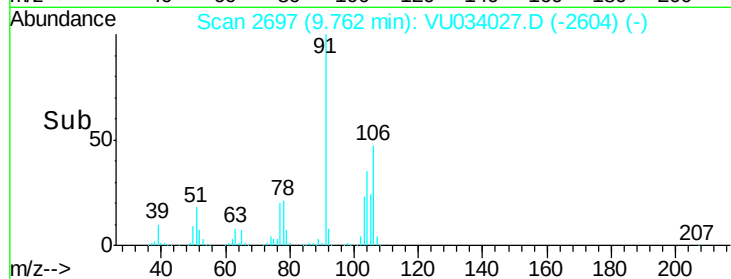
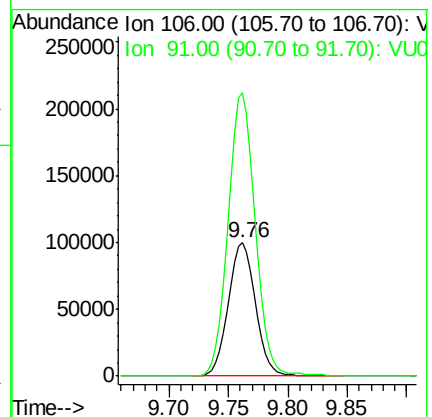
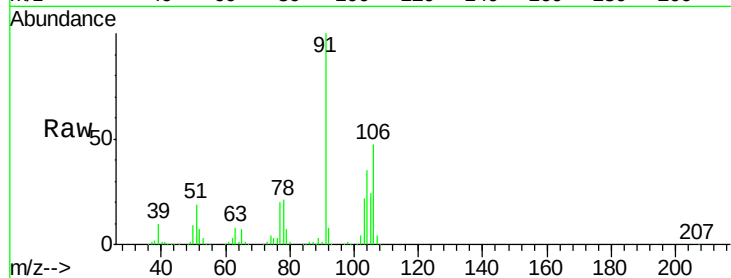
#69
o-Xylene
Concen: 19.785 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	106.0	318.0

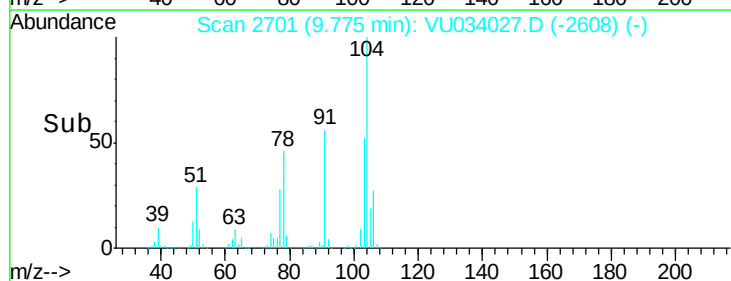
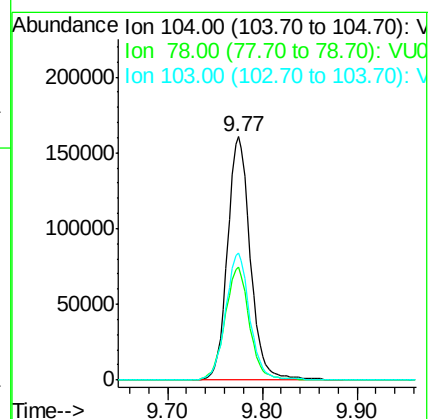
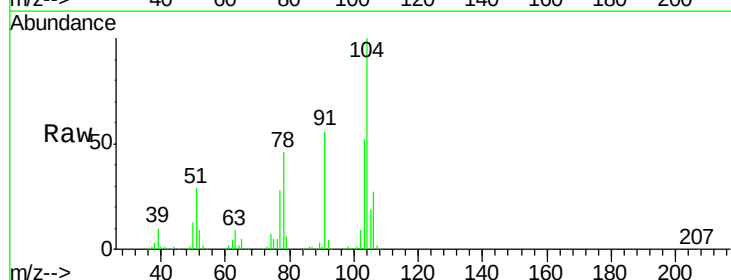
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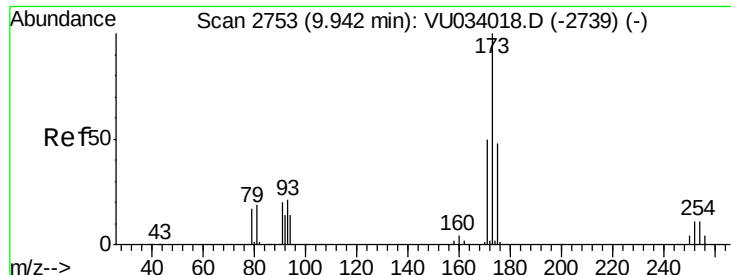
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#70
Styrene
Concen: 19.624 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.0	58.4
103	55.5	44.0	66.0





#71

Bromoform

Concen: 18.490 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion:173 Resp: 75666

Ion Ratio Lower Upper

173 100

175 47.5 24.6 73.6

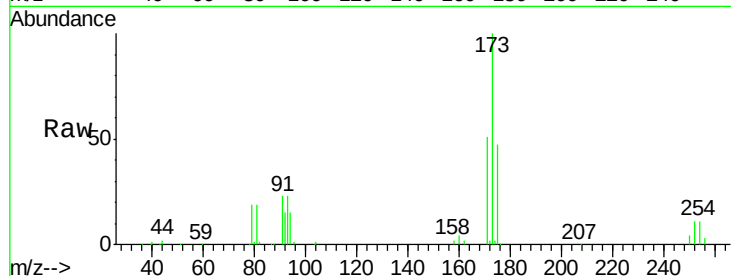
254 0.0 0.0 0.0

Manual Integrations

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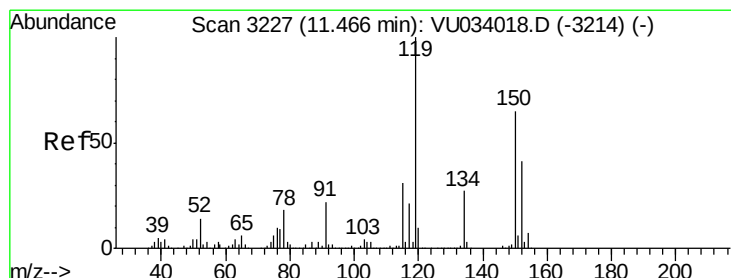
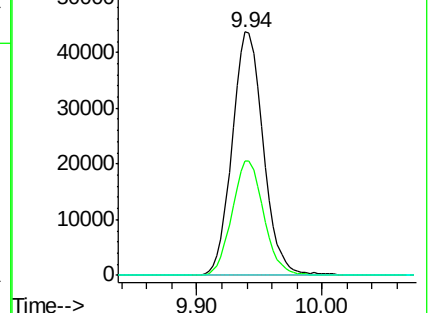
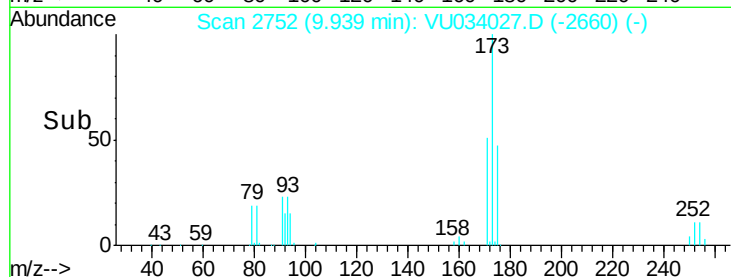
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

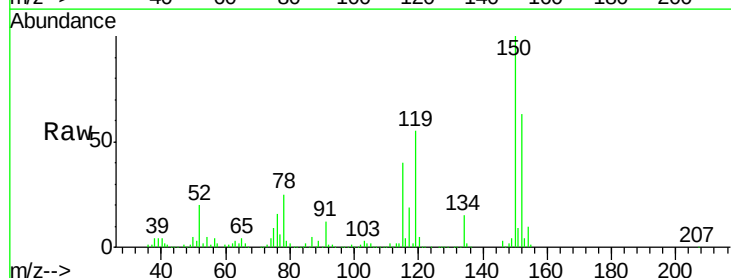
Tgt Ion:152 Resp: 328658

Ion Ratio Lower Upper

152 100

115 66.1 41.1 123.3

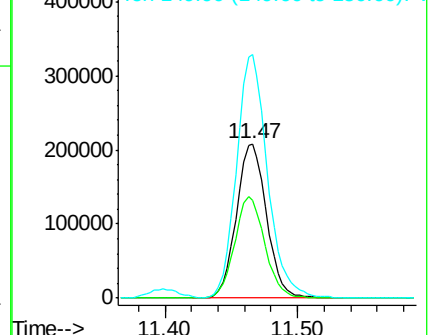
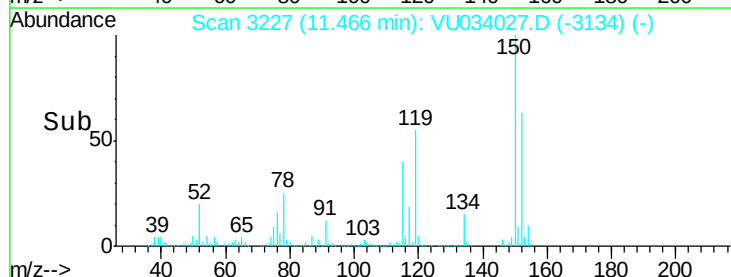
150 162.3 0.0 348.8

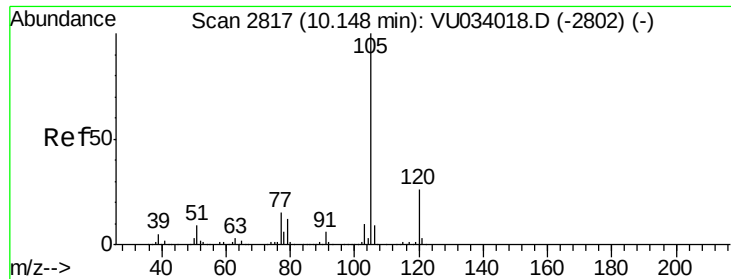


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.502 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion:105 Resp: 430527

Ion Ratio Lower Upper

105 100

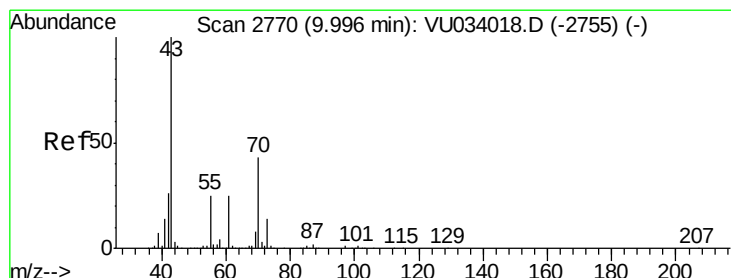
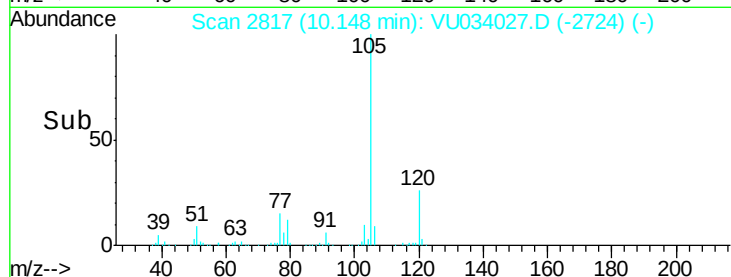
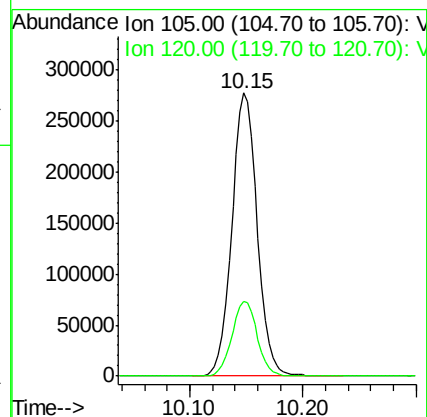
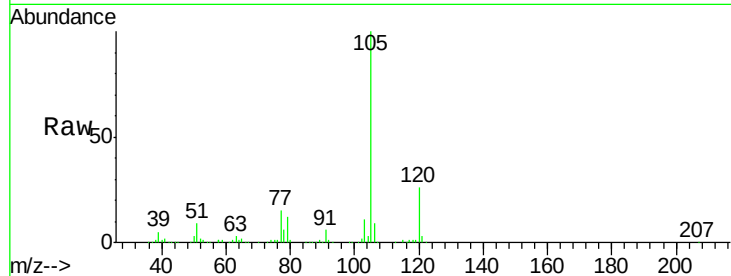
120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.207 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion: 43 Resp: 178331

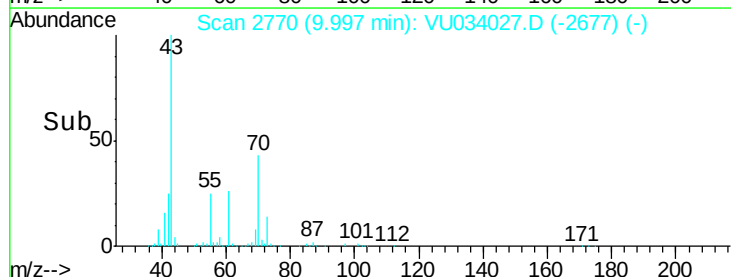
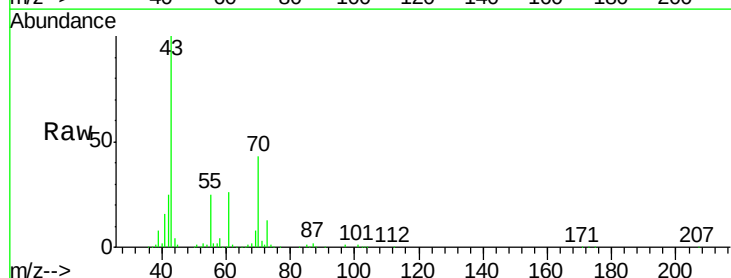
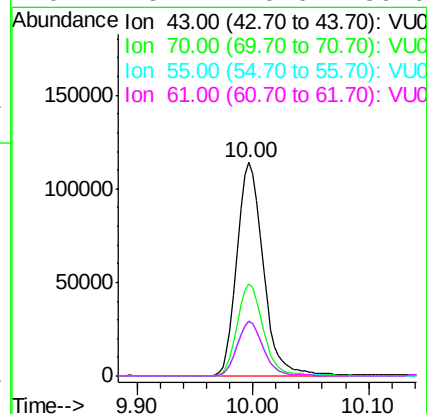
Ion Ratio Lower Upper

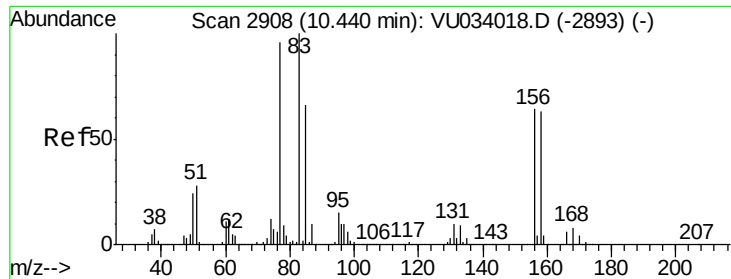
43 100

70 42.9 35.2 52.8

55 26.0 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.920 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 83 Resp: 159866

Ion Ratio Lower Upper

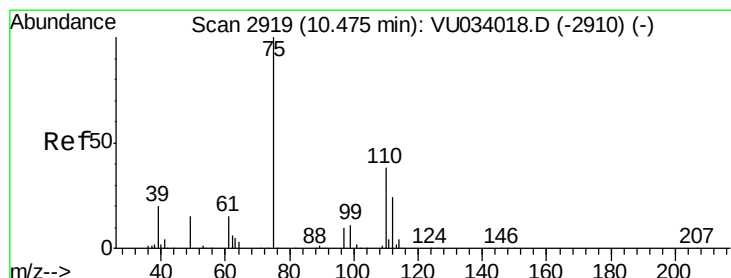
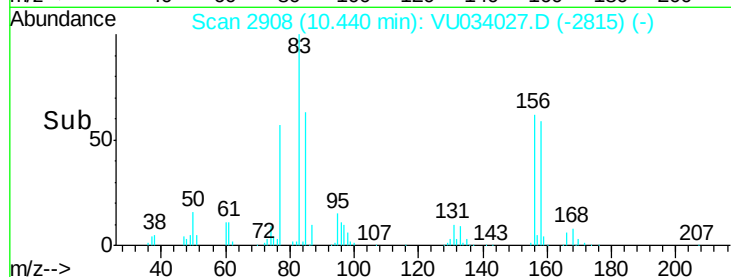
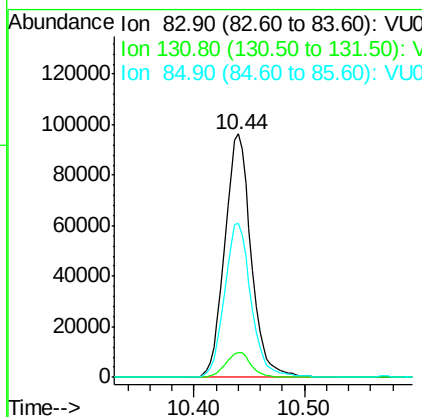
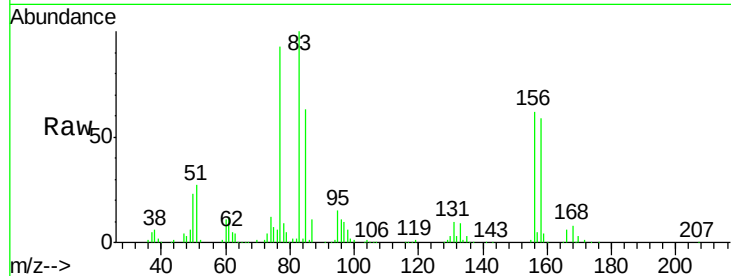
83 100

131 9.7 5.0 14.9

85 64.1 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.354 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034027.D

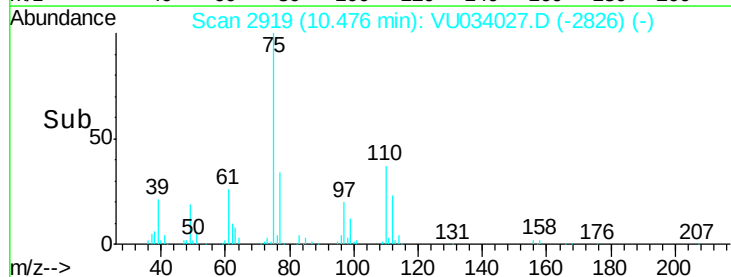
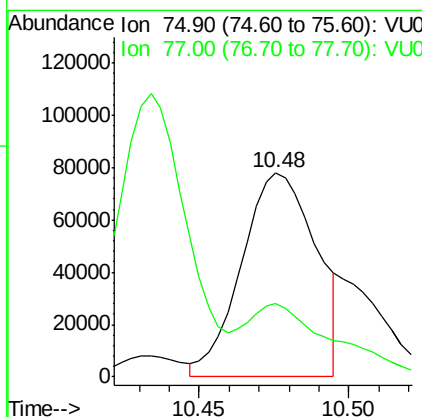
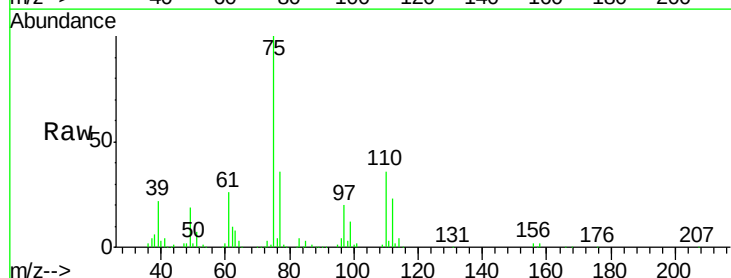
Acq: 28 Aug 2019 16:55

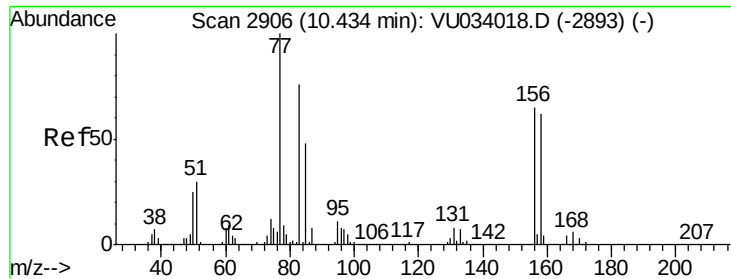
Tgt Ion: 75 Resp: 135955

Ion Ratio Lower Upper

75 100

77 40.4 20.1 60.2





#77

Bromobenzene

Concen: 18.764 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

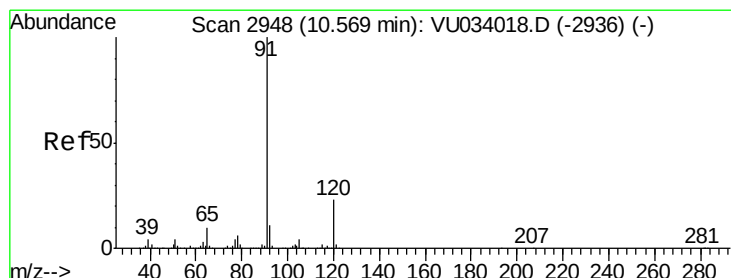
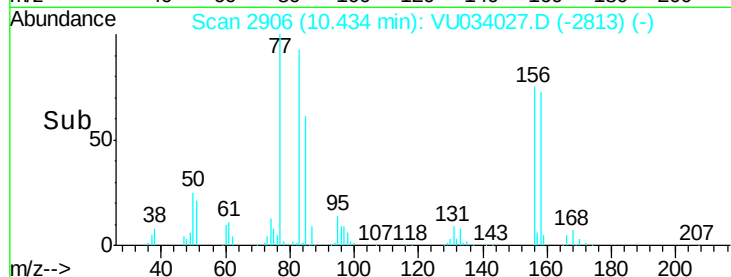
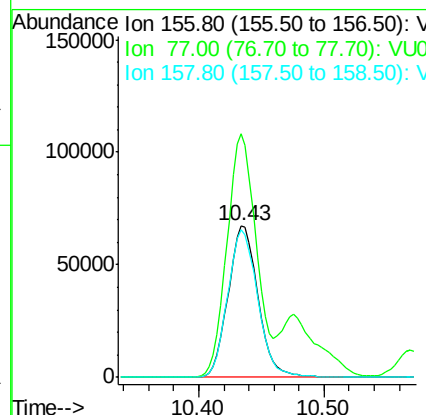
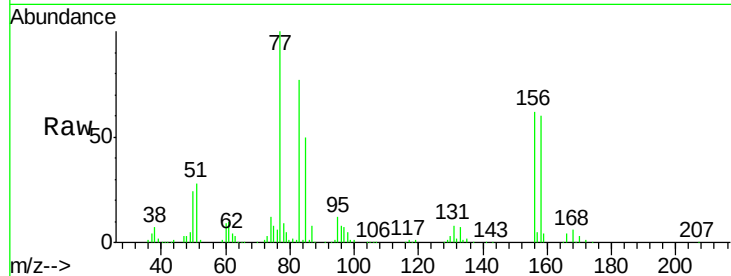
ClientSampleId :

VU0829WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.2	76.8	230.5
158	98.0	48.4	145.0

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#78

n-propylbenzene

Concen: 19.484 ug/l

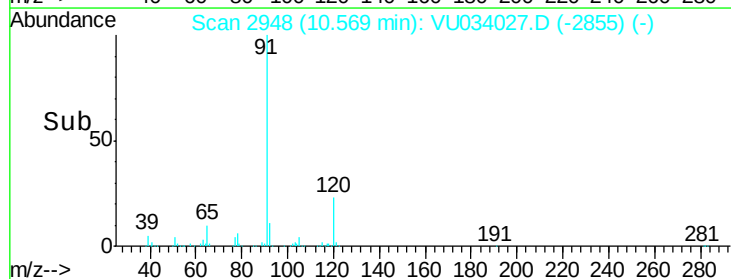
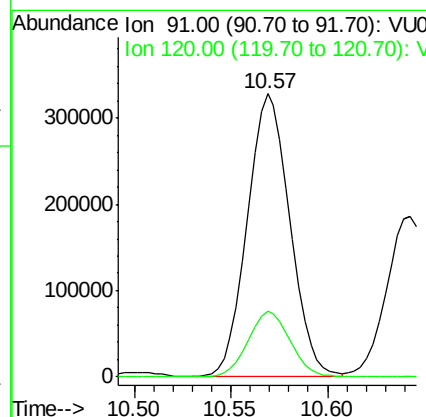
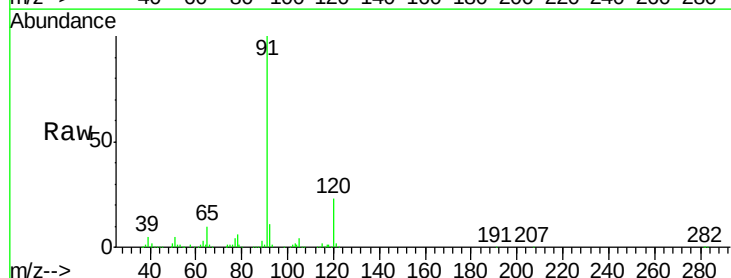
RT: 10.57 min Scan# 2948

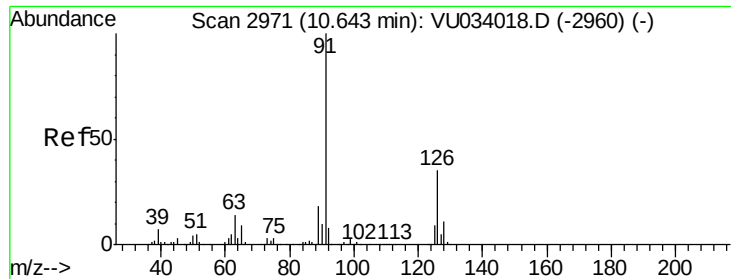
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.489 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion: 91 Resp: 300530

Ion Ratio Lower Upper

91 100

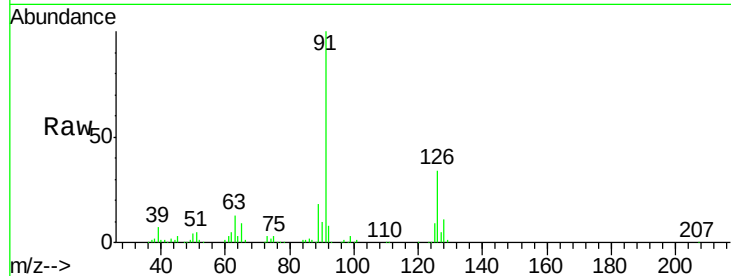
126 33.7 17.1 51.2

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

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

300000

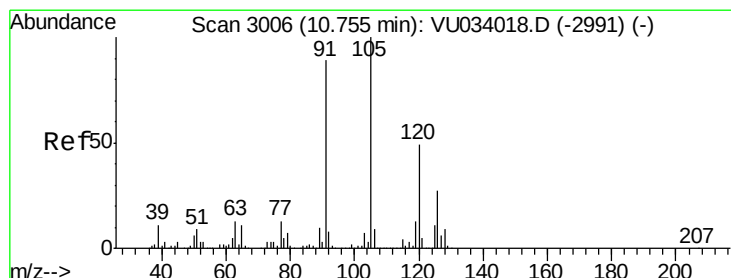
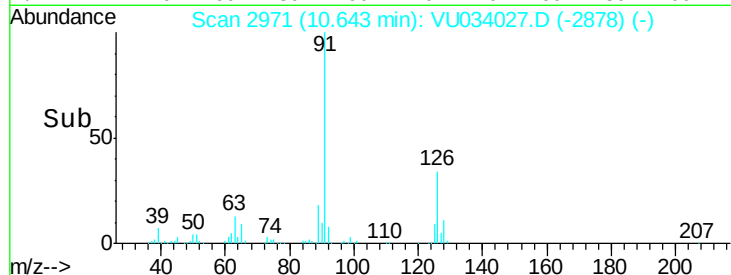
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.863 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034027.D

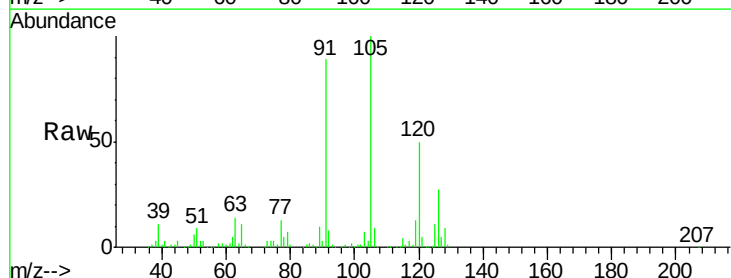
Acq: 28 Aug 2019 16:55

Tgt Ion: 105 Resp: 371645

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



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

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

250000

200000

150000

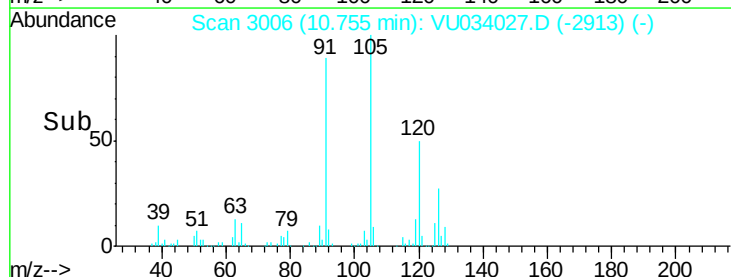
100000

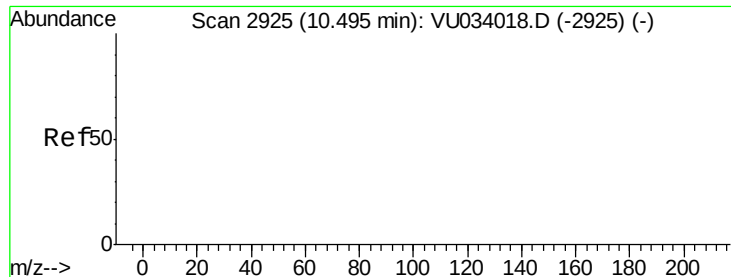
50000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.622 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

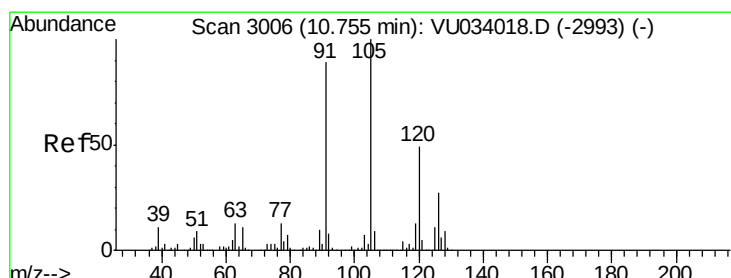
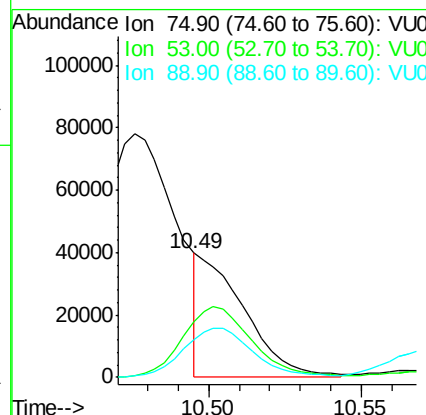
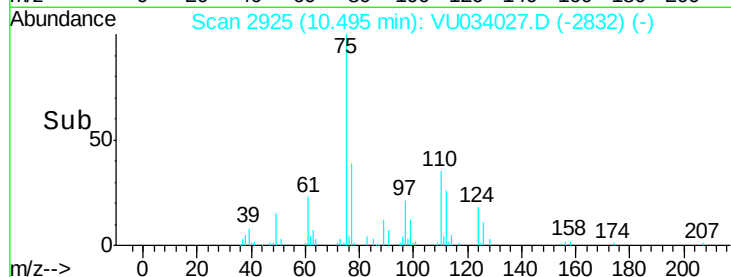
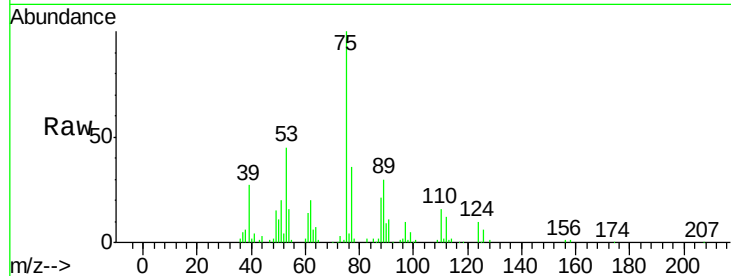
Instrument :
MSVOA_U

ClientSampled :
VU0829WBS01

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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#82

4-Chlorotoluene

Concen: 19.264 ug/l

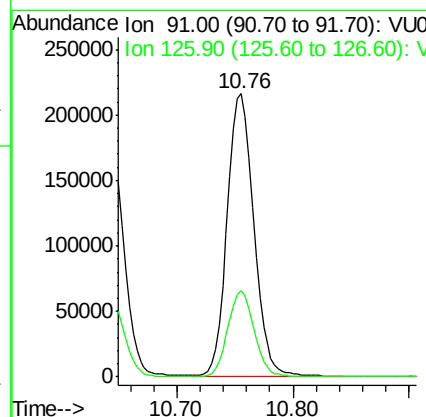
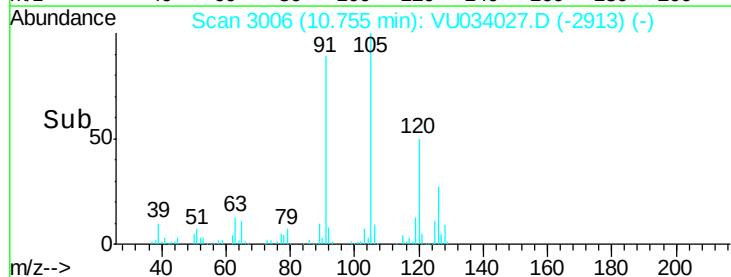
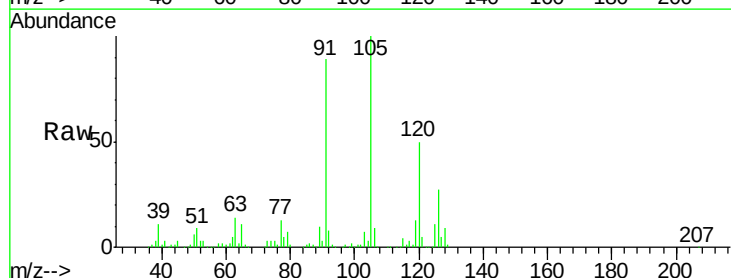
RT: 10.76 min Scan# 3006

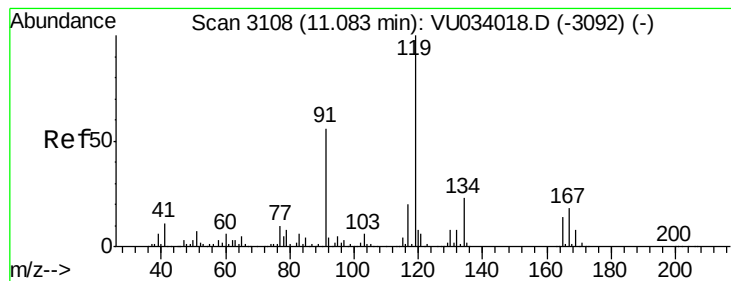
Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.0	45.1





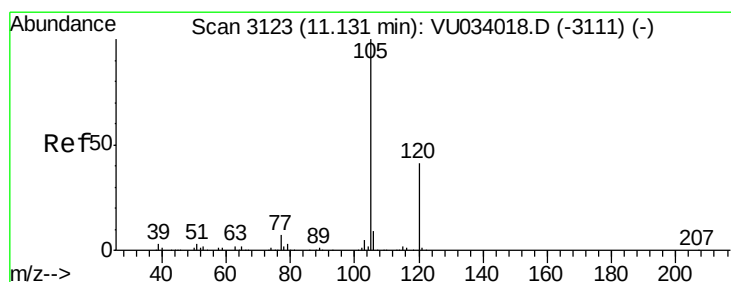
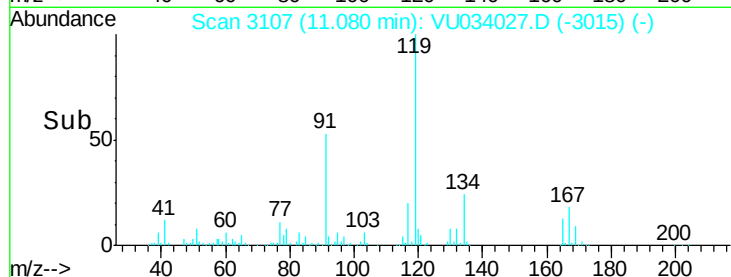
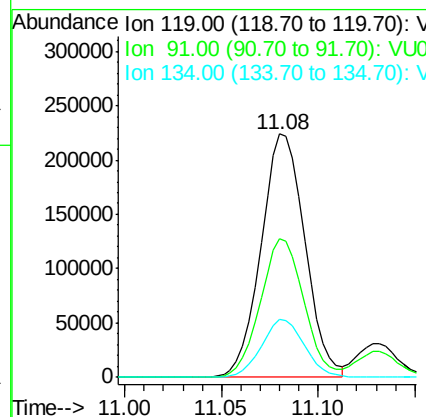
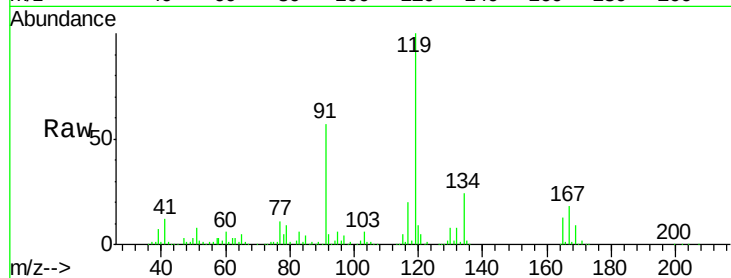
#83
 tert-Butylbenzene
 Concen: 19.184 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	27.9	83.6
134	23.3	11.4	34.2

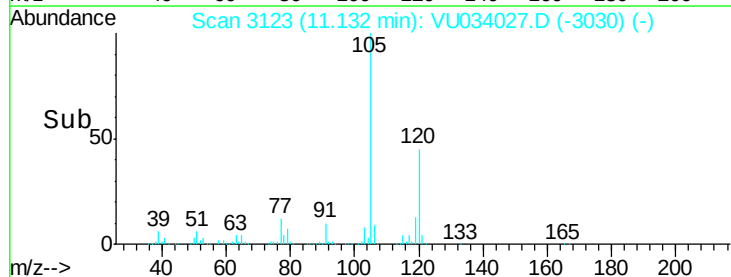
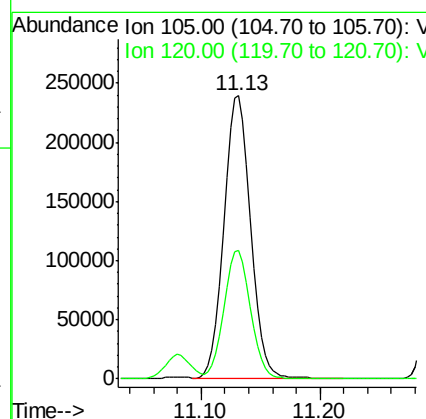
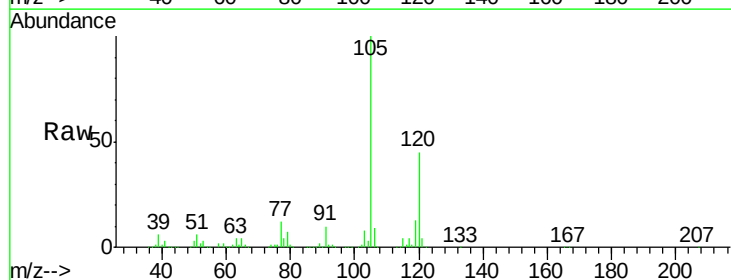
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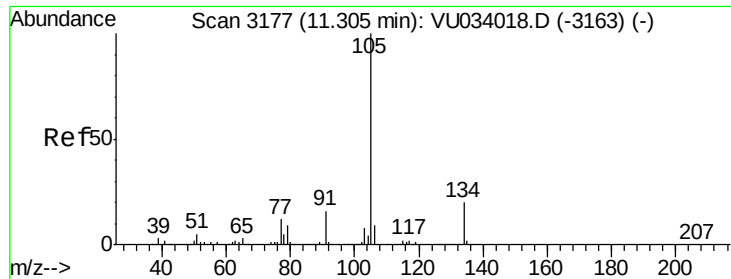
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.951 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.551 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

Tot Ion:105 Resp: 431613

Ion Ratio Lower Upper

105 100

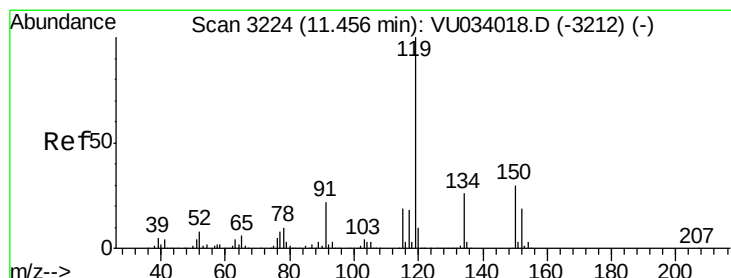
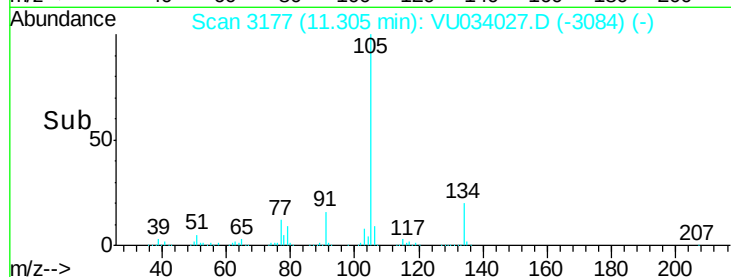
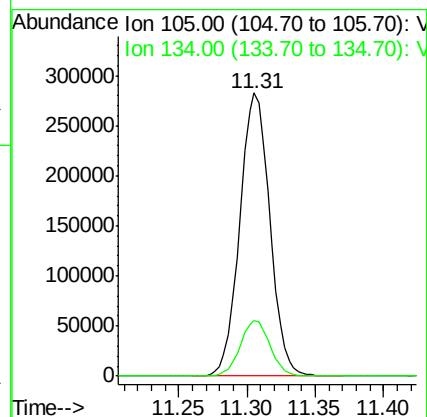
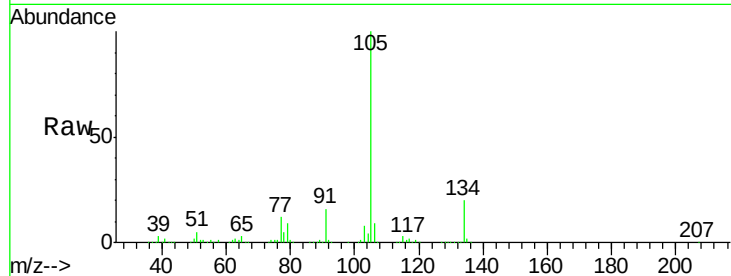
134 19.6 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 19.757 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

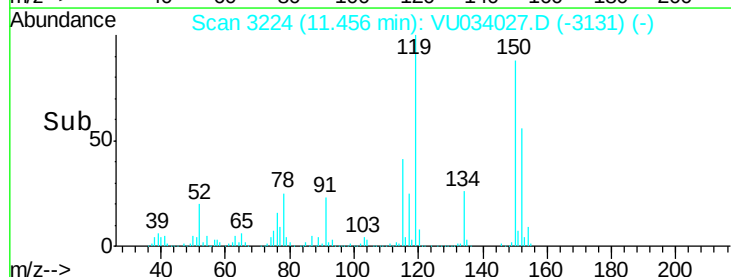
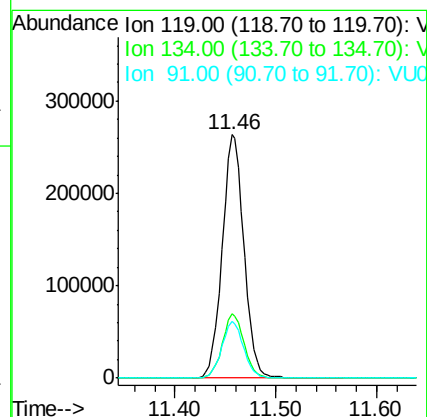
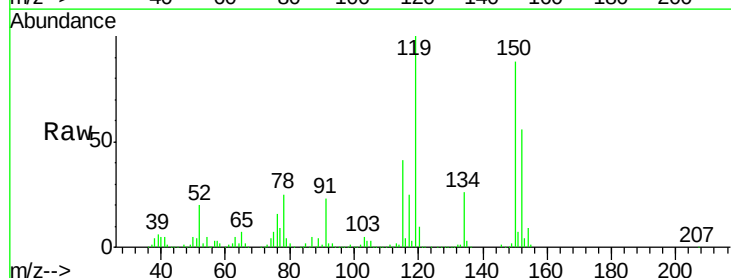
Tgt Ion:119 Resp: 394473

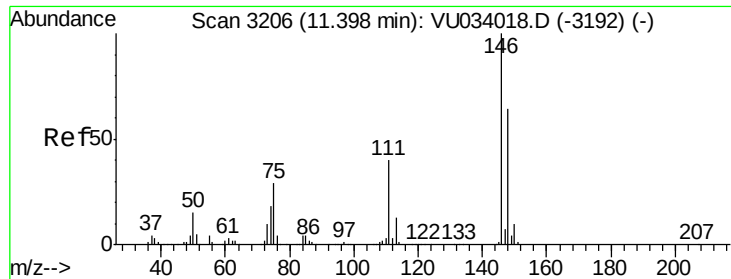
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.1 11.2 33.6





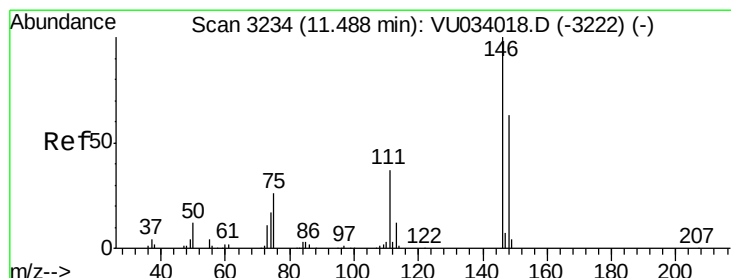
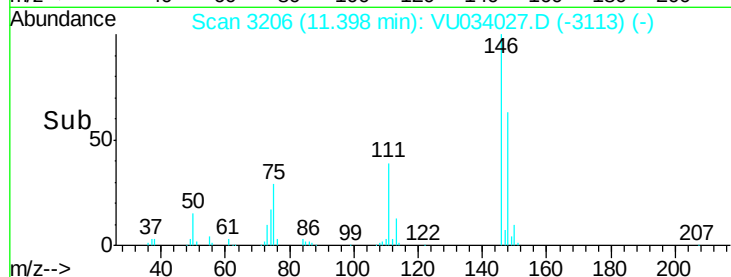
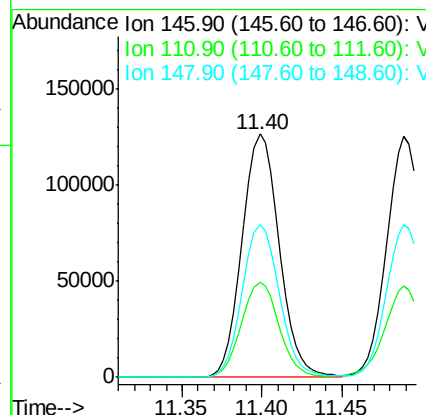
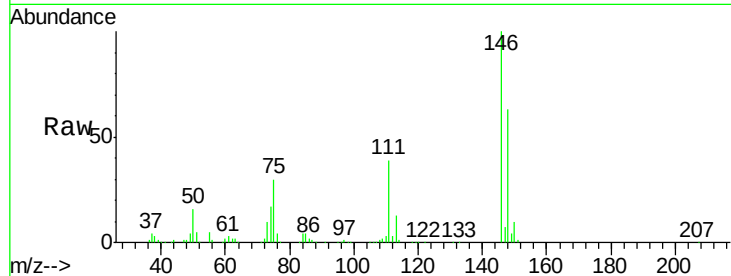
#87
 1,3-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.2	31.9	95.5

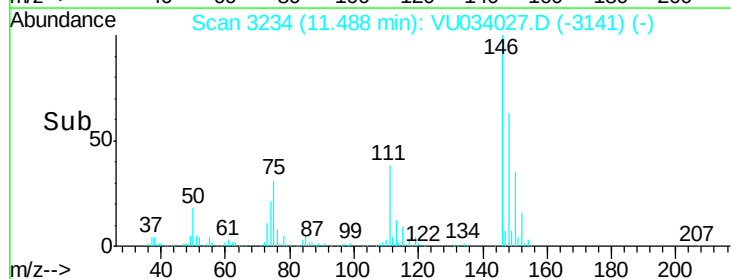
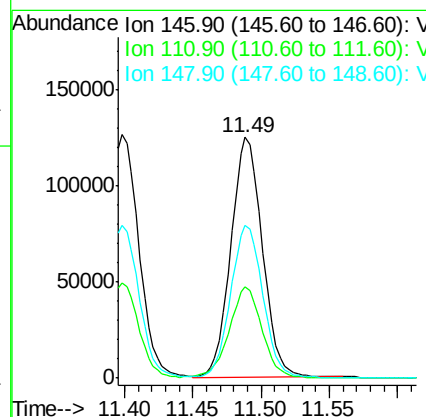
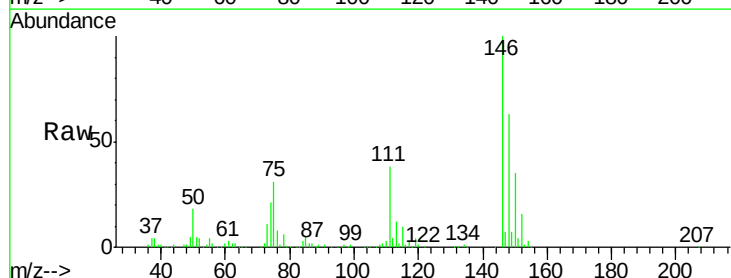
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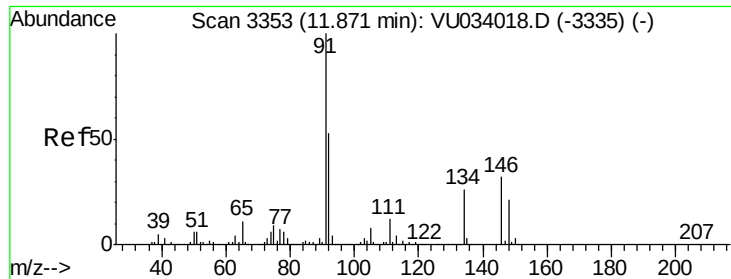
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#88
 1,4-Dichlorobenzene
 Concen: 18.792 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	65.2	31.9	95.9





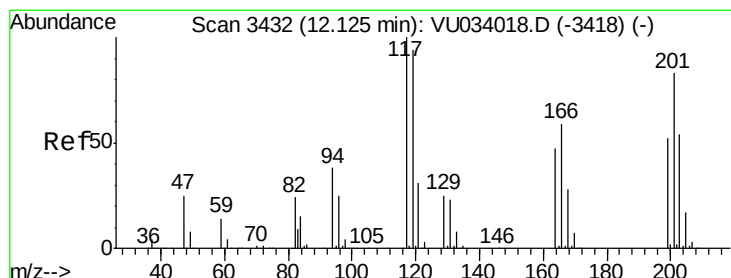
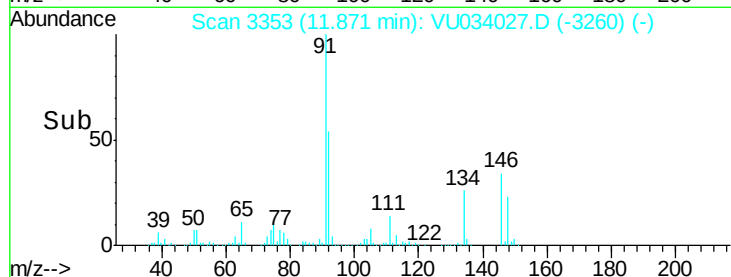
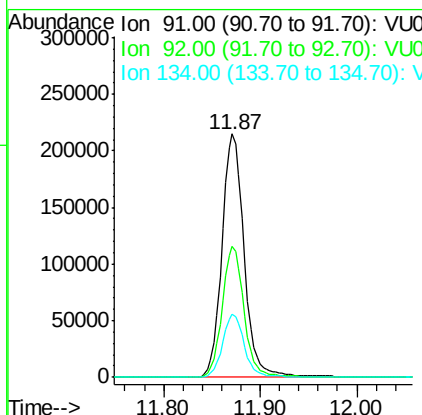
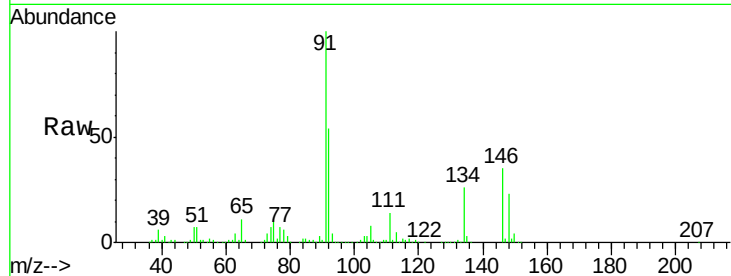
#89
n-Butylbenzene
Concen: 19.502 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	25.4	12.9	38.7

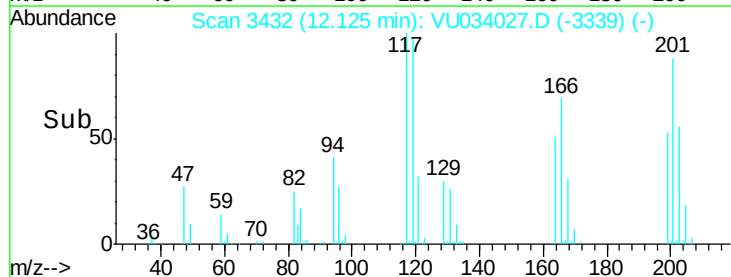
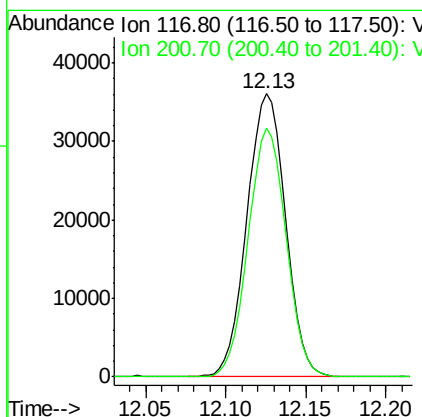
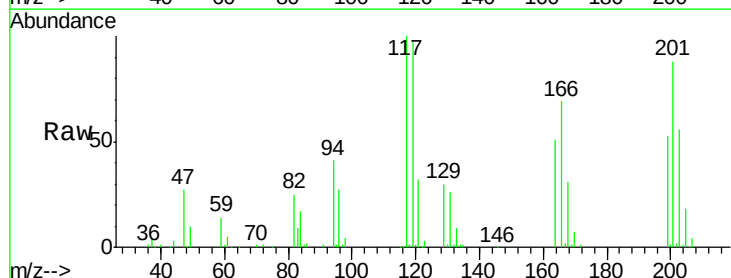
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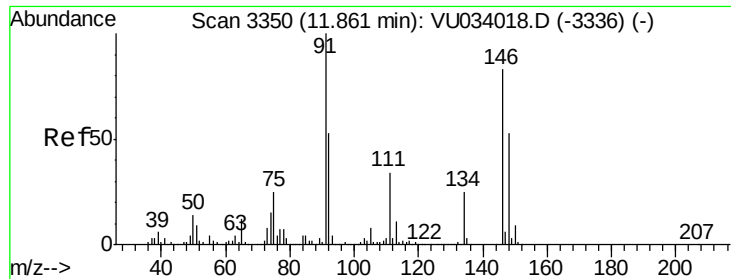
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#90
Hexachloroethane
Concen: 17.268 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.5	127.6





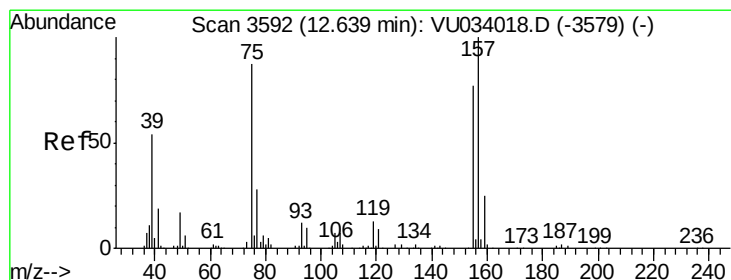
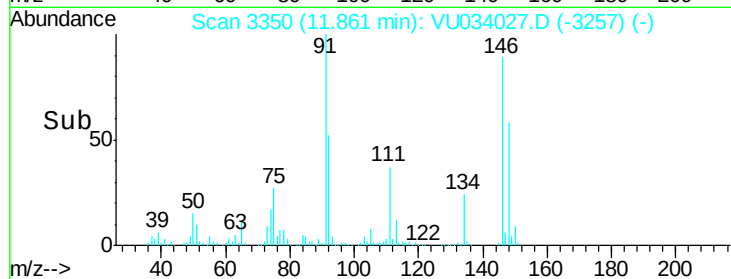
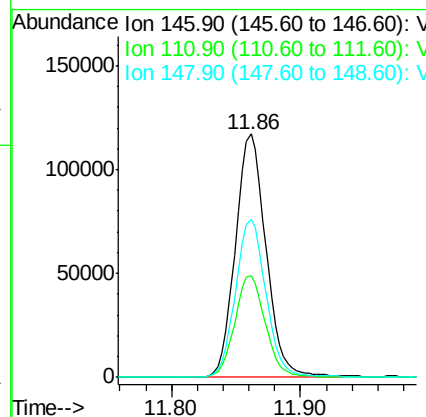
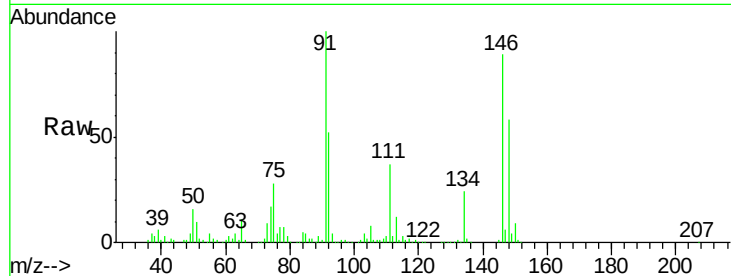
#91
 1,2-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193758		
111	41.8	20.4	61.2	
148	64.8	32.3	96.8	

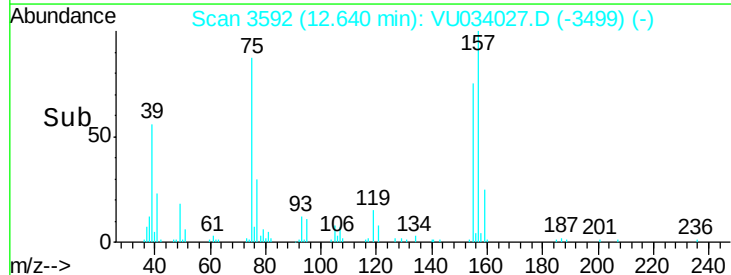
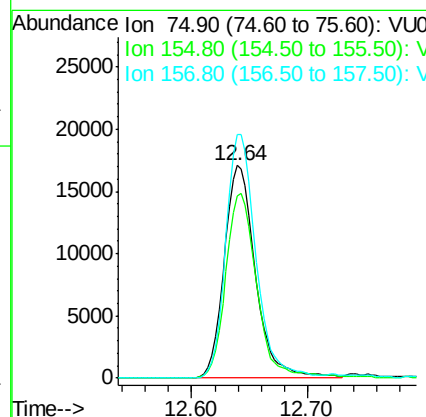
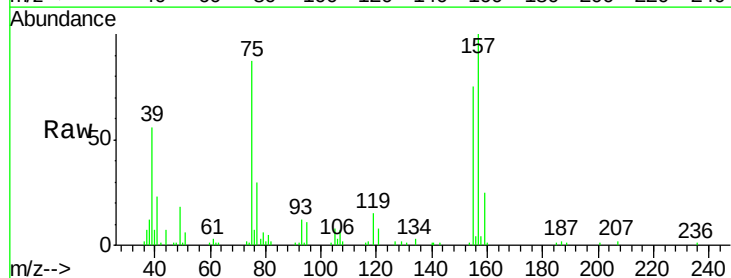
Manual Integrations
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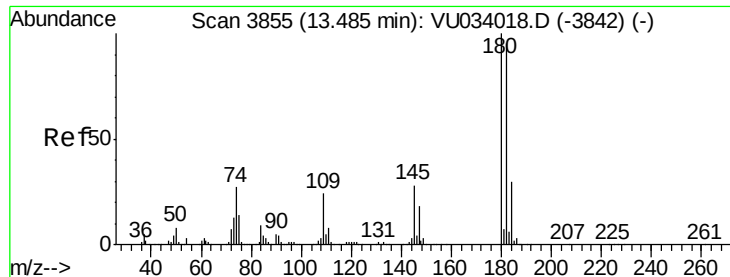
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.993 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31971		
155	85.7	43.5	130.7	
157	110.0	56.9	170.6	





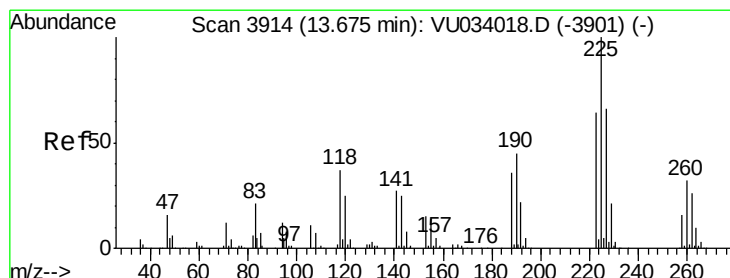
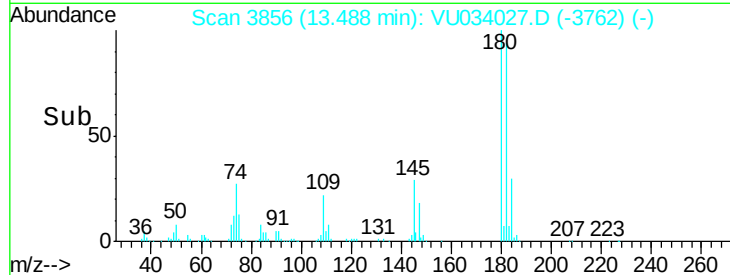
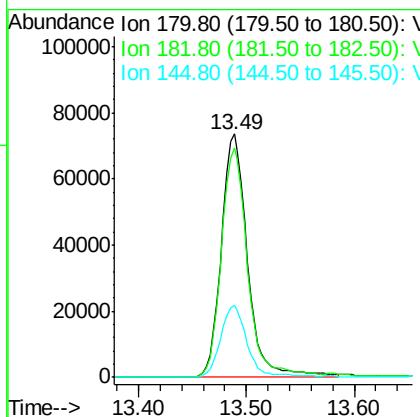
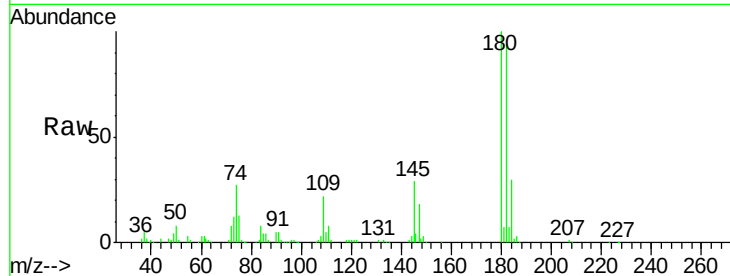
#93
 1,2,4-Trichlorobenzene
 Concen: 18.072 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tot Ion:	180	Resp:	124243
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.2
145	28.9	14.1	42.3

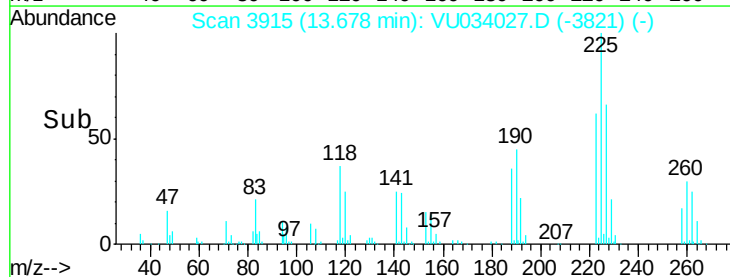
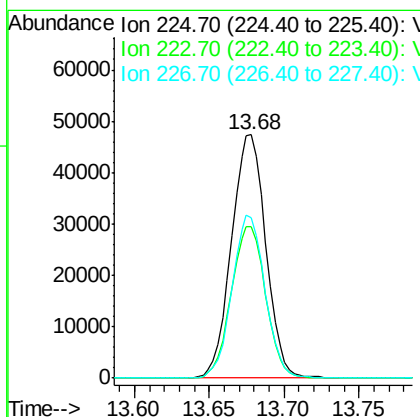
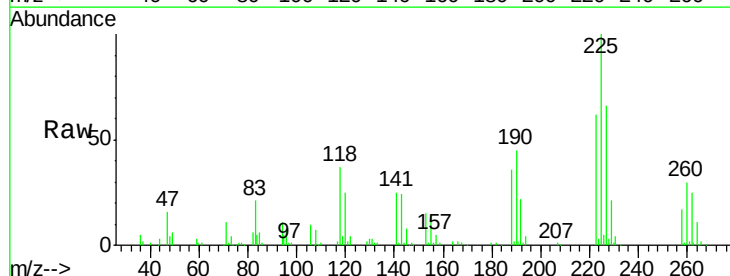
Manual Integrations
 APPROVED

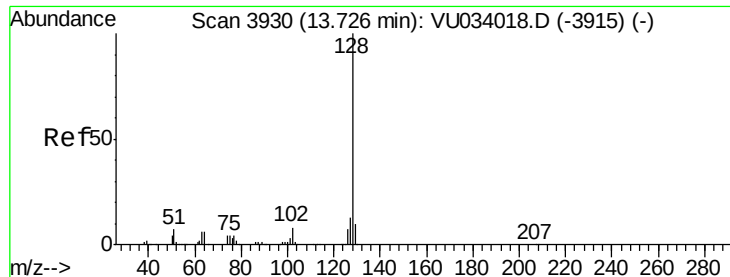
MMDadoda
 8/29/2019 8:47:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.259 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion:	225	Resp:	75873
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.8	95.3
227	64.3	32.6	97.8





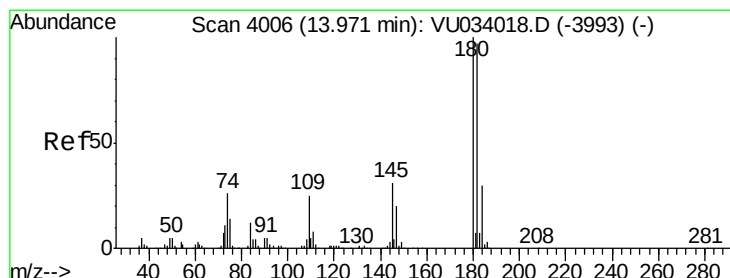
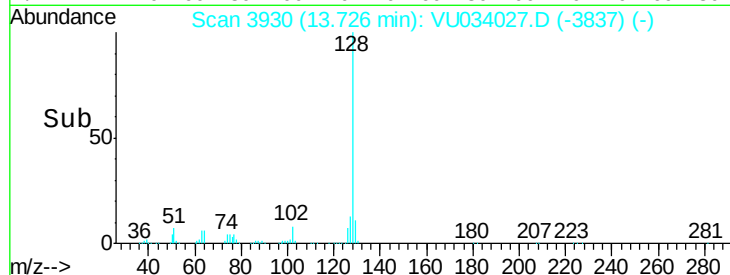
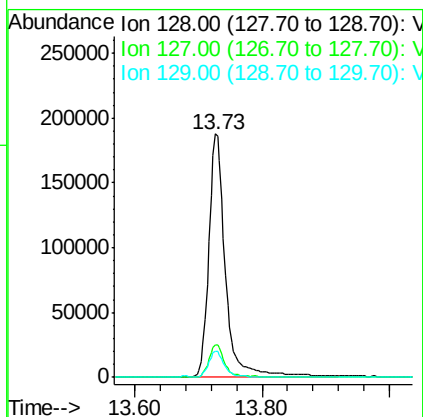
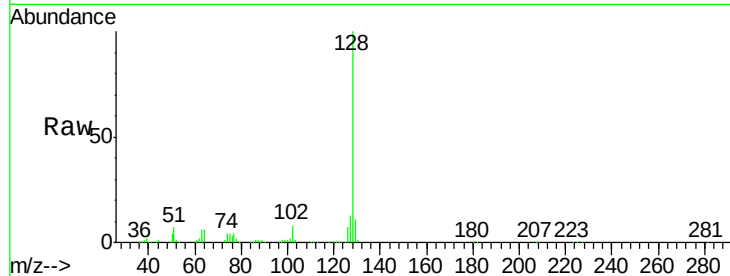
#95
Naphthalene
Concen: 17.901 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	342769		
127	12.4		10.2	15.4
129	9.8		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.401 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	125160		
182	98.4		48.2	144.6
145	30.2		15.5	46.5

