

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034061.D
 Acq On : 29 Aug 2019 14:54
 Operator : JC/SP
 Sample : VU0830MBSD01
 Misc : 5.00uL/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0830MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:51 PM

Quant Time: Aug 29 16:03:50 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	424422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	682727	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	651209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	274468	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.94%		
35) Dibromofluoromethane	4.86	113	227336	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.02%		
50) Toluene-d8	7.55	98	894029	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.84%		
62) 4-Bromofluorobenzene	10.29	95	326967	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87487	20.496	ug/l	100
3) Chloromethane	1.32	50	109498	17.865	ug/l	99
4) Vinyl Chloride	1.40	62	113143	19.916	ug/l	99
5) Bromomethane	1.62	94	57648	17.279	ug/l	97
6) Chloroethane	1.69	64	68695	19.779	ug/l	100
7) Trichlorofluoromethane	1.88	101	133767	20.321	ug/l	97
8) Diethyl Ether	2.09	74	56869	20.195	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	83023	19.909	ug/l	98
10) Methyl Iodide	2.40	142	62643	10.589	ug/l	99
11) Tert butyl alcohol	2.81	59	110795	88.346	ug/l	99
12) 1,1-Dichloroethene	2.27	96	85857	20.207	ug/l	99
13) Acrolein	2.18	56	40016	75.850	ug/l	99
14) Allyl chloride	2.58	41	138566	17.345	ug/l	92
15) Acrylonitrile	2.92	53	289518	100.605	ug/l	100
16) Acetone	2.31	43	252522	91.004	ug/l	99
17) Carbon Disulfide	2.47	76	255696	19.014	ug/l	100
18) Methyl Acetate	2.60	43	135478	18.893	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	282503	20.293	ug/l	100
20) Methylene Chloride	2.69	84	102764	19.562	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	92649	20.092	ug/l	98
22) Diisopropyl ether	3.55	45	304124	20.776	ug/l	93
23) Vinyl Acetate	3.50	43	1271971	101.151	ug/l	100
24) 1,1-Dichloroethane	3.43	63	177165	20.499	ug/l	99
25) 2-Butanone	4.24	43	382881	99.178	ug/l	99
26) 2,2-Dichloropropane	4.20	77	130015	18.488	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	100968	19.508	ug/l	97
28) Bromochloromethane	4.52	49	89744	21.077	ug/l	97
29) Tetrahydrofuran	4.61	42	249367	104.741	ug/l	99
30) Chloroform	4.65	83	172062	19.954	ug/l	98
31) Cyclohexane	4.97	56	157243	19.363	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	140743	19.929	ug/l	99
36) 1,1-Dichloropropene	5.12	75	124173	19.229	ug/l	99
37) Ethyl Acetate	4.36	43	139808	19.333	ug/l	99
38) Carbon Tetrachloride	5.11	117	123129	19.753	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	142276	18.693	ug/l	97
40) Benzene	5.37	78	390505	19.987	ug/l	99
41) Methacrylonitrile	4.52	41	73281	19.759	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133777	19.828	ug/l	99
43) Isopropyl Acetate	5.53	43	213207	19.380	ug/l	99
44) Trichloroethene	6.17	130	103596	20.191	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106854	19.867	ug/l	99
46) Dibromomethane	6.54	93	70023	20.208	ug/l	98
47) Bromodichloromethane	6.74	83	133189	19.646	ug/l	98
48) Methyl methacrylate	6.60	41	97897	18.440	ug/l	97
49) 1,4-Dioxane	6.59	88	44478	334.379	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	729178	95.972	ug/l	100
52) Toluene	7.62	92	241237	20.043	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	136208	18.107	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	157736	19.194	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	97789	19.208	ug/l	98
56) Ethyl methacrylate	8.00	69	139671	17.190	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167311	19.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	241300	85.673	ug/l	100
59) 2-Hexanone	8.34	43	542475	94.579	ug/l	99
60) Dibromochloromethane	8.46	129	102802	18.811	ug/l	100
61) 1,2-Dibromoethane	8.57	107	101481	18.923	ug/l	99
64) Tetrachloroethene	8.21	164	91531	20.930	ug/l	98
65) Chlorobenzene	9.10	112	264388	19.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91991	18.930	ug/l	99
67) Ethyl Benzene	9.23	91	445647	19.617	ug/l	99
68) m/p-Xylenes	9.36	106	344496	39.882	ug/l	99
69) o-Xylene	9.76	106	162663	19.629	ug/l	99
70) Styrene	9.77	104	284400	20.015	ug/l	100
71) Bromoform	9.94	173	76657	18.156	ug/l #	98
73) Isopropylbenzene	10.15	105	443083	18.832	ug/l	100
74) N-amyl acetate	10.00	43	178678	18.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	165884	18.421	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	140283m	17.770	ug/l	
77) Bromobenzene	10.43	156	117453	18.558	ug/l	99
78) n-propylbenzene	10.57	91	524408	19.139	ug/l	98
79) 2-Chlorotoluene	10.64	91	315541	19.199	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	389032	19.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41112m	17.535	ug/l	
82) 4-Chlorotoluene	10.76	91	363116	19.211	ug/l	100
83) tert-Butylbenzene	11.08	119	357929	18.233	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	390977	19.745	ug/l	99
85) sec-Butylbenzene	11.30	105	441902	18.782	ug/l	99
86) p-Isopropyltoluene	11.46	119	409462	19.242	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	214801	19.171	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	215059	18.979	ug/l	98
89) n-Butylbenzene	11.87	91	353175	18.825	ug/l	100
90) Hexachloroethane	12.12	117	58648	15.941	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	207651	19.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32311	18.010	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	131275	17.926	ug/l	98
94) Hexachlorobutadiene	13.68	225	76591	18.241	ug/l	98
95) Naphthalene	13.73	128	358083	17.582	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	133264	19.382	ug/l	99

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

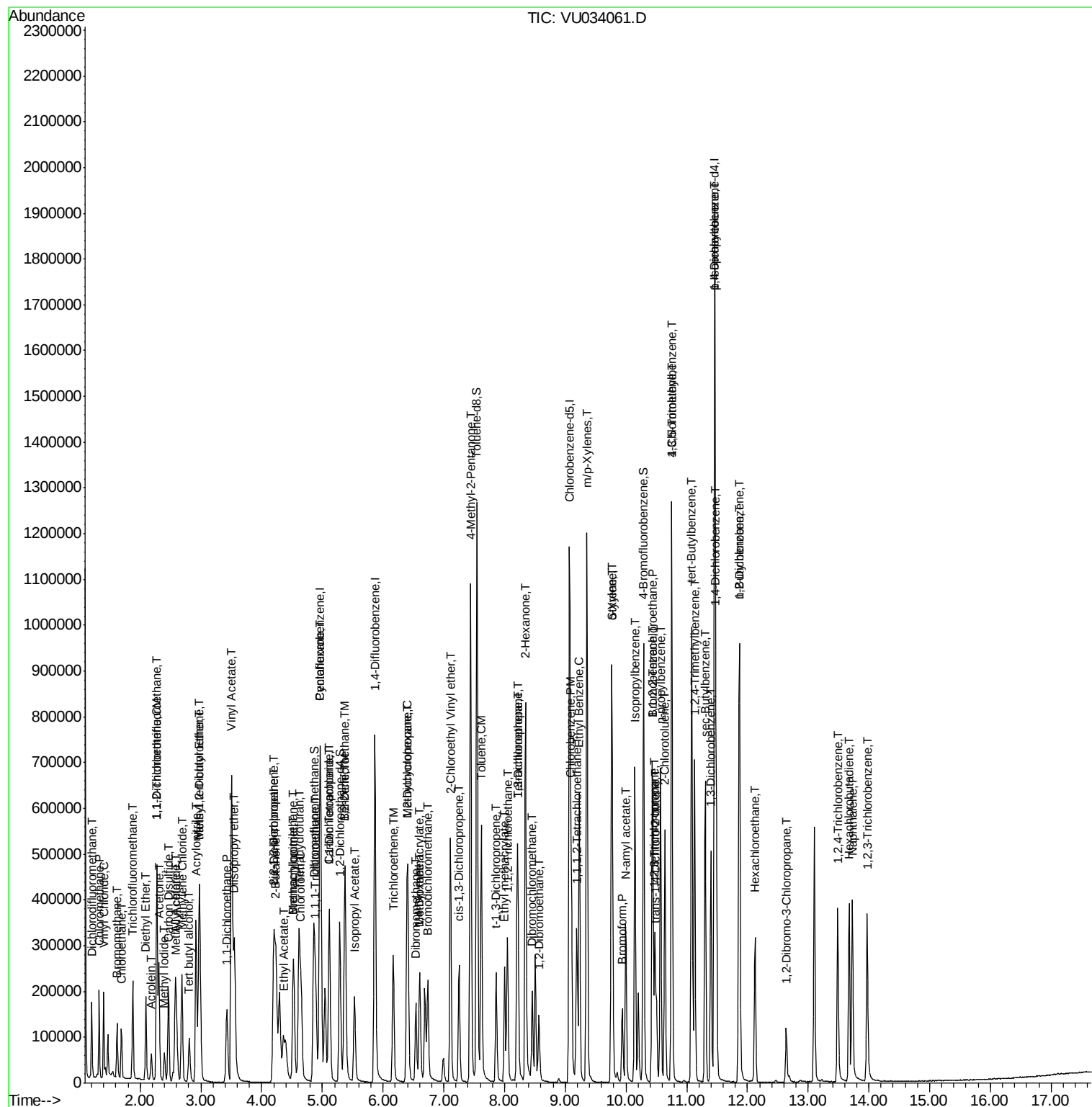
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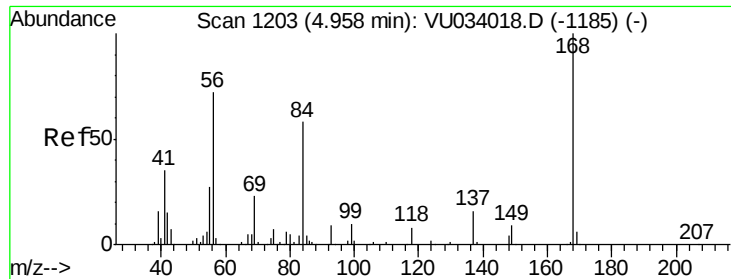
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion:168 Resp: 424422

Ion Ratio Lower Upper

168 100

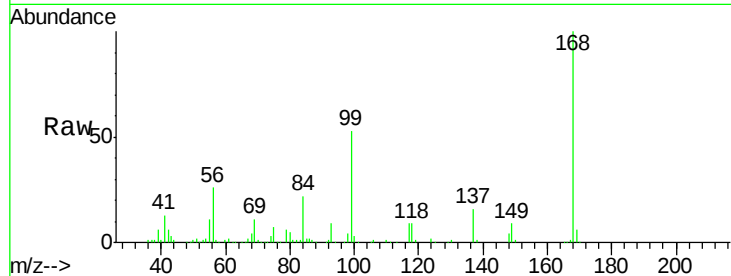
99 52.6 42.3 63.5

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

100000

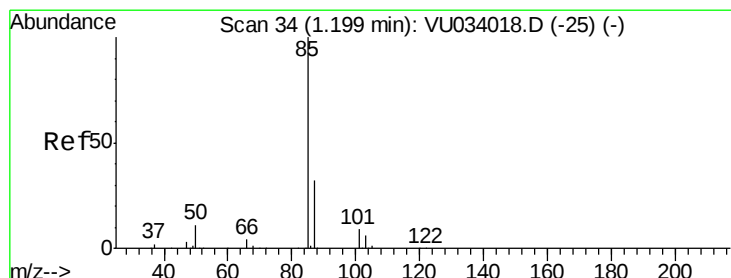
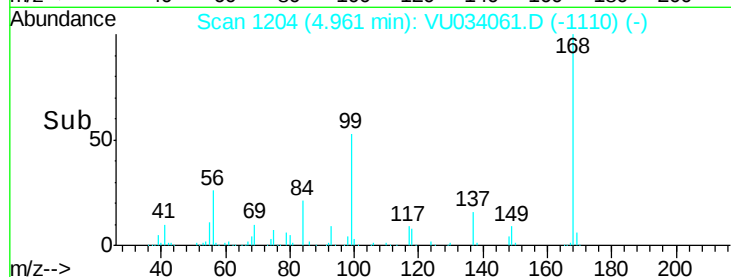
50000

0

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.496 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034061.D

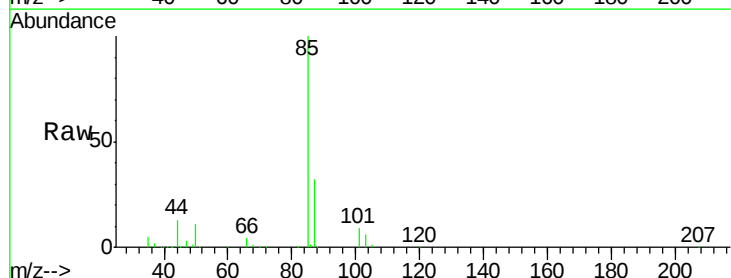
Acq: 29 Aug 2019 14:54

Tgt Ion: 85 Resp: 87487

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



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

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

100000

80000

60000

40000

20000

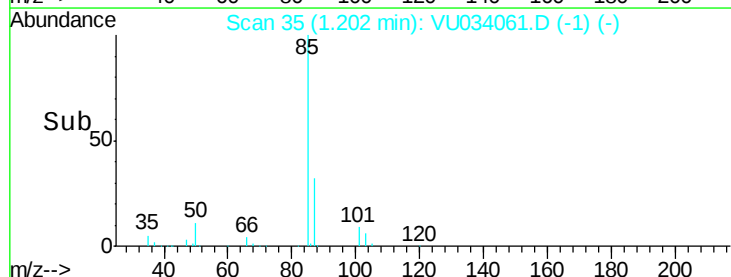
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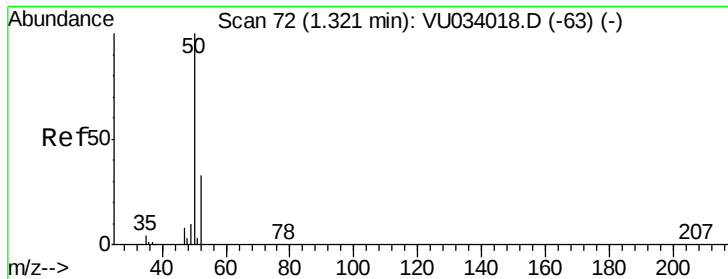
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.865 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 50 Resp: 109498

Ion Ratio Lower Upper

50 100

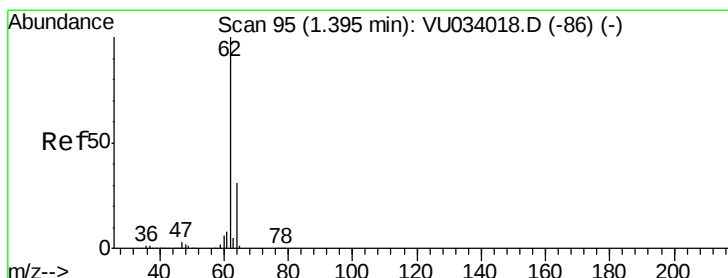
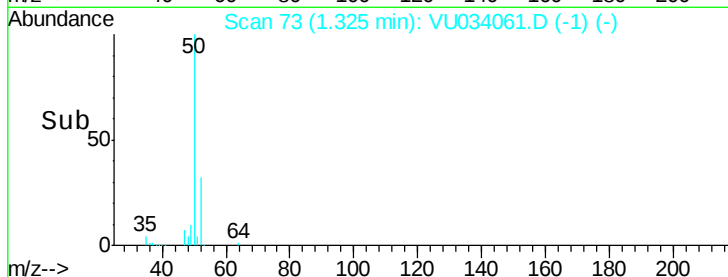
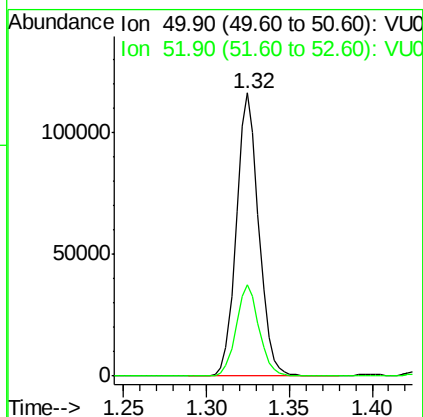
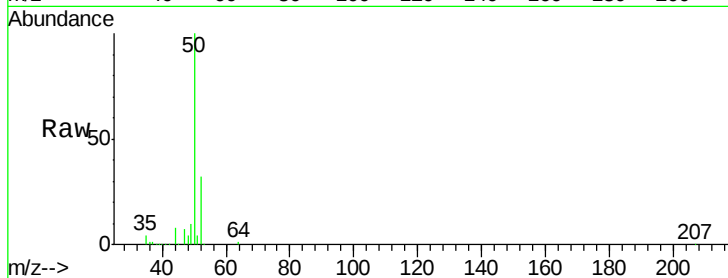
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.916 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034061.D

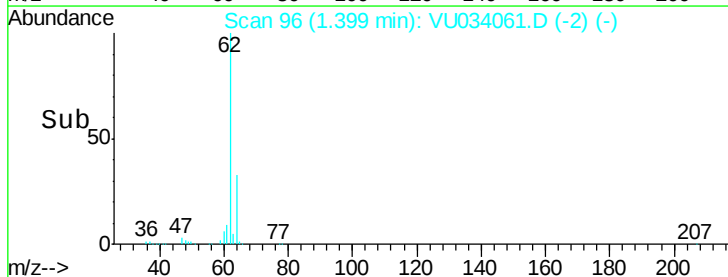
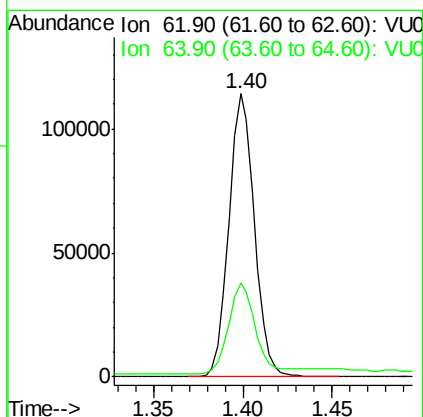
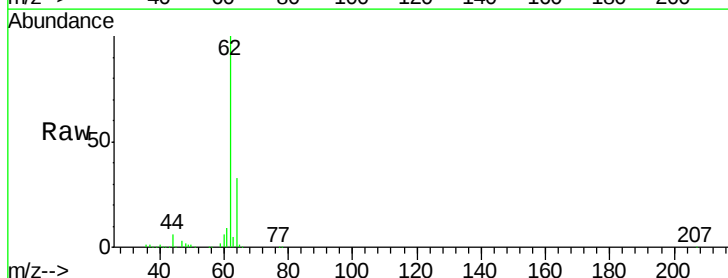
Acq: 29 Aug 2019 14:54

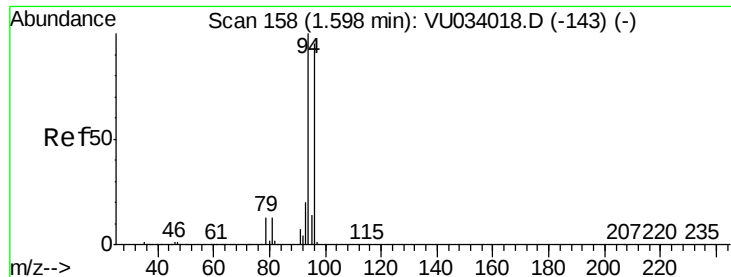
Tgt Ion: 62 Resp: 113143

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 17.279 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

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Tot Ion: 94 Resp: 57648

Ion Ratio Lower Upper

94 100

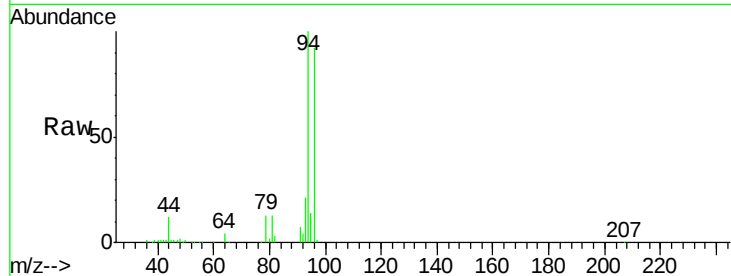
96 92.4 76.3 114.5

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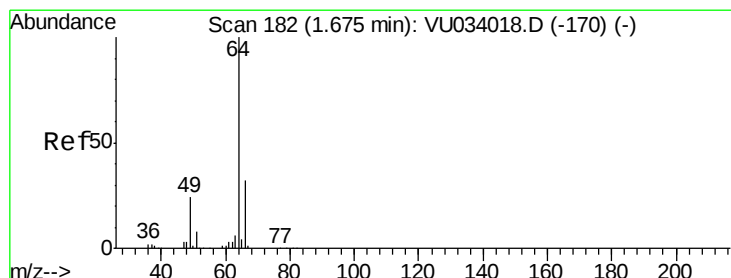
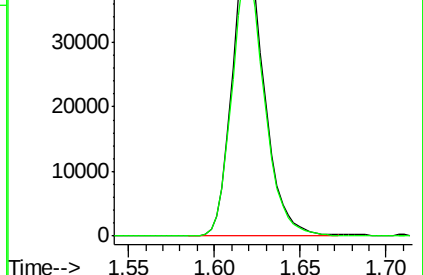
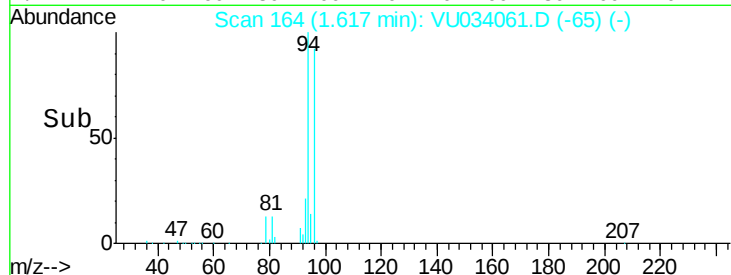


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

Time-->



#6

Chloroethane

Concen: 19.779 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034061.D

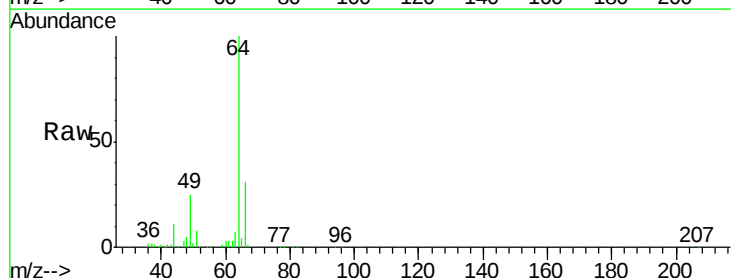
Acq: 29 Aug 2019 14:54

Tgt Ion: 64 Resp: 68695

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3

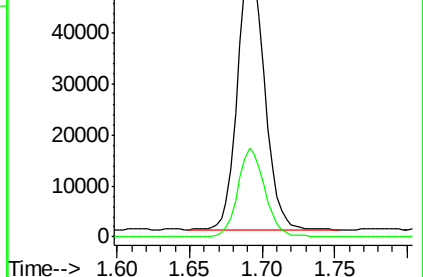
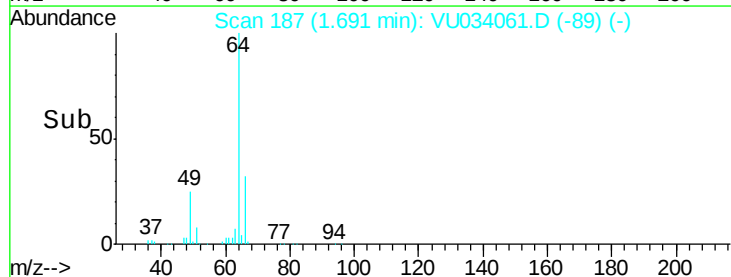


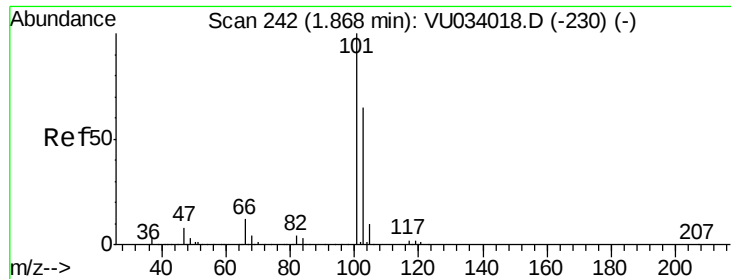
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

Time-->





#7

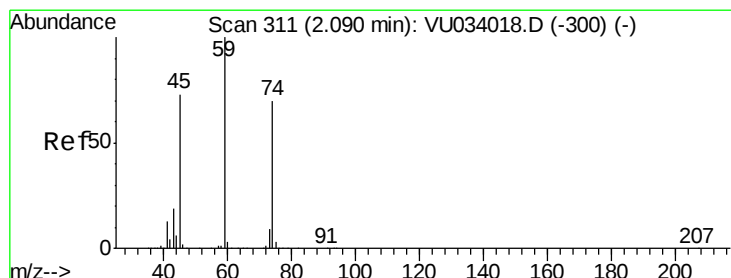
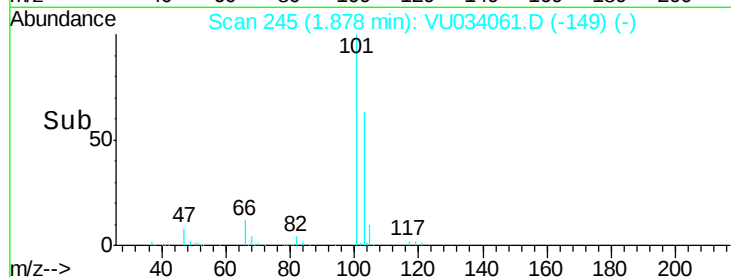
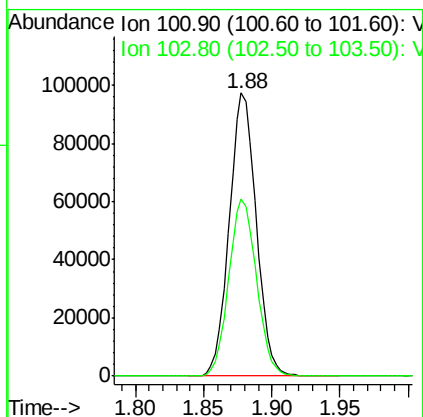
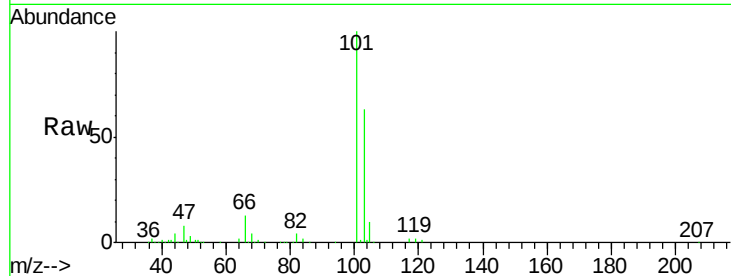
Trichlorofluoromethane
Concen: 20.321 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034061.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.1	78.1

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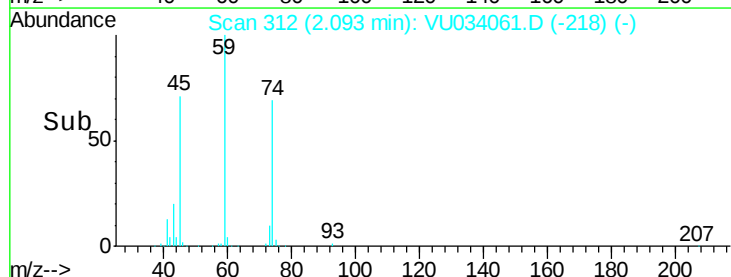
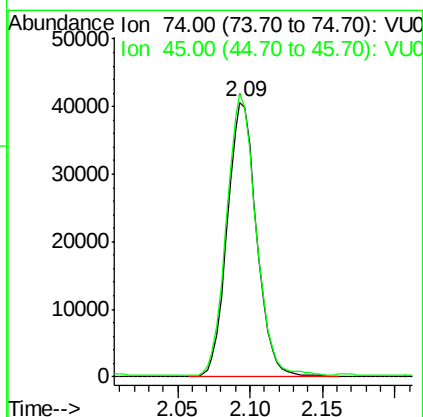
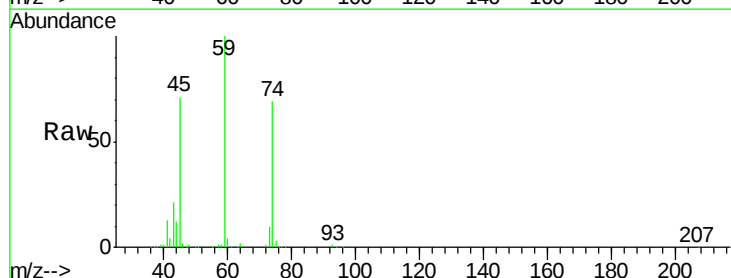
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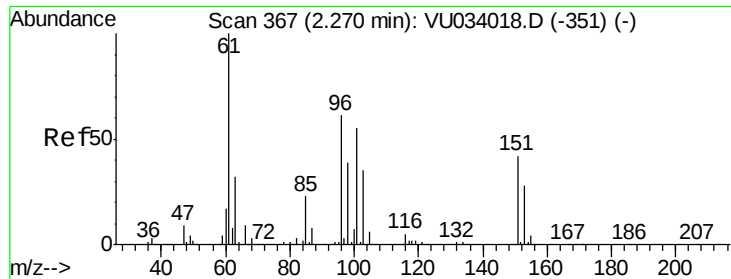


#8

Diethyl Ether
Concen: 20.195 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.909 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

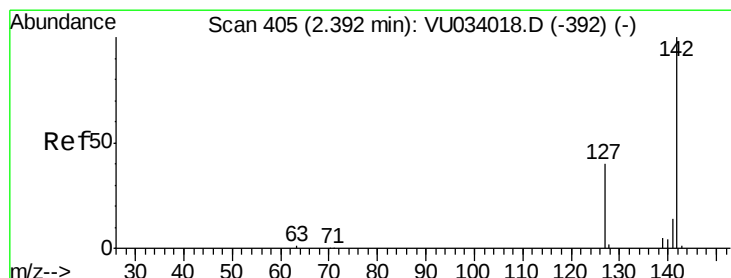
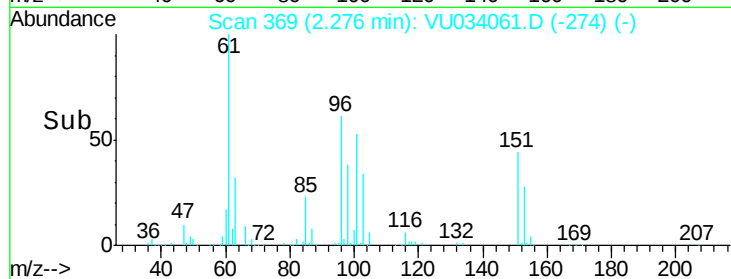
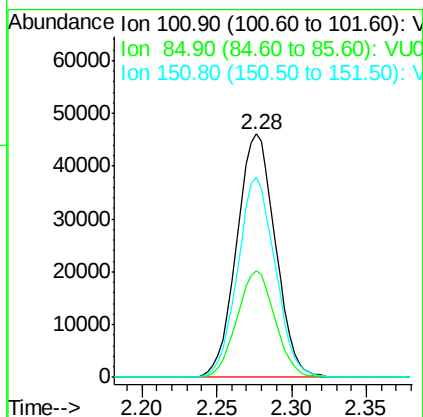
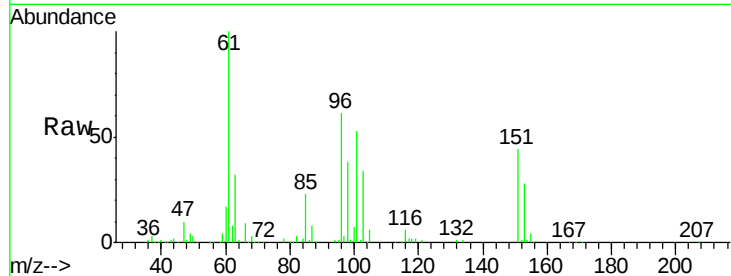
ClientSampleId :

VU0830MBSD01

Tot Ion:	101	Resp:	83023
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	79.9	61.4	92.2

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#10

Methyl Iodide

Concen: 10.589 ug/l

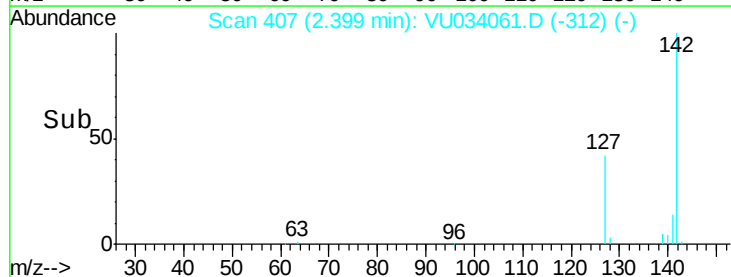
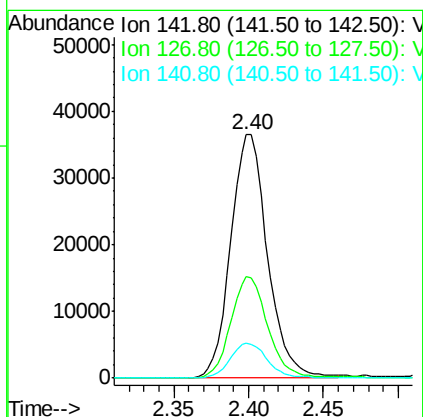
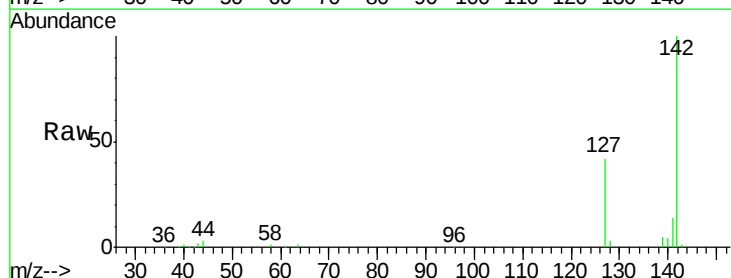
RT: 2.40 min Scan# 407

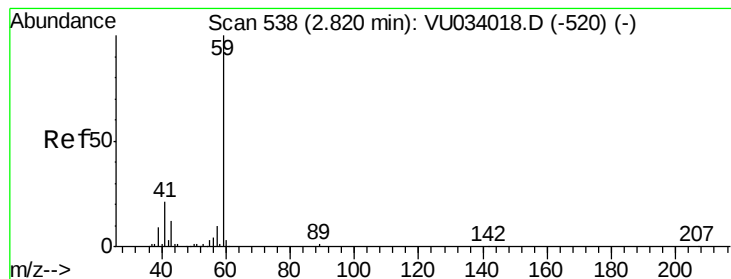
Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion:	142	Resp:	62643
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.6	48.8
141	14.3	11.3	16.9





#11

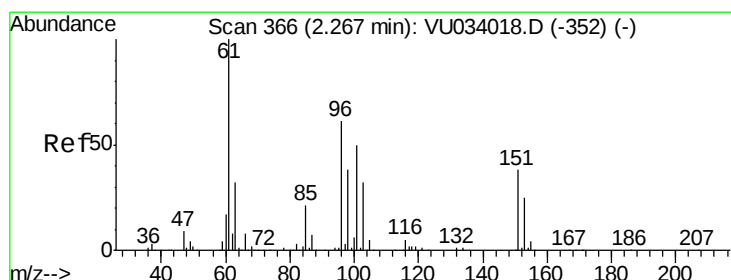
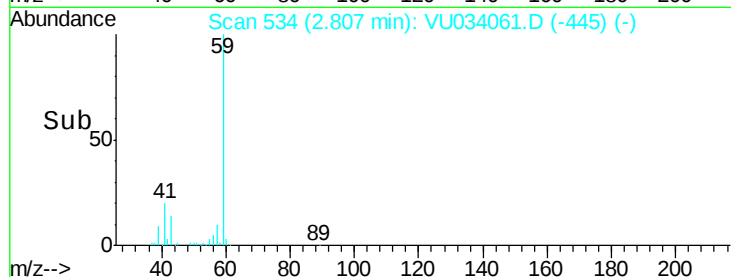
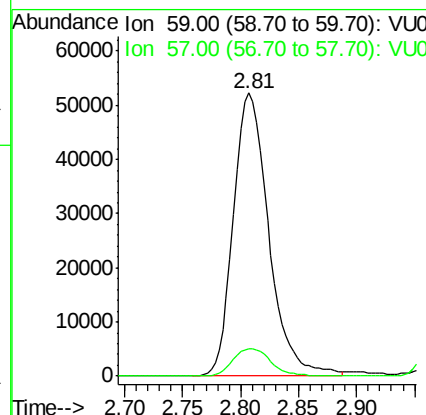
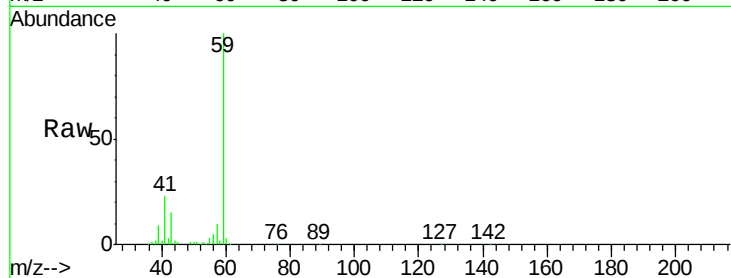
Tert butyl alcohol
 Concen: 88.346 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.0	12.0

Manual Integrations
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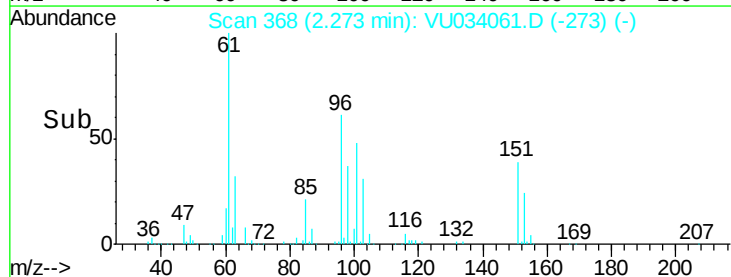
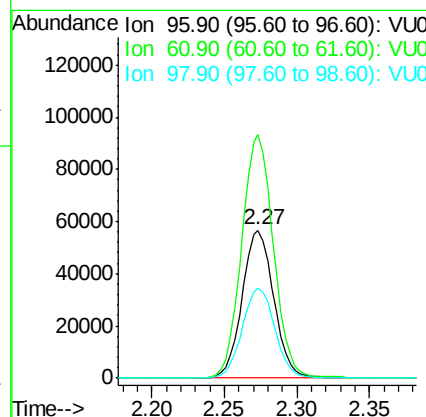
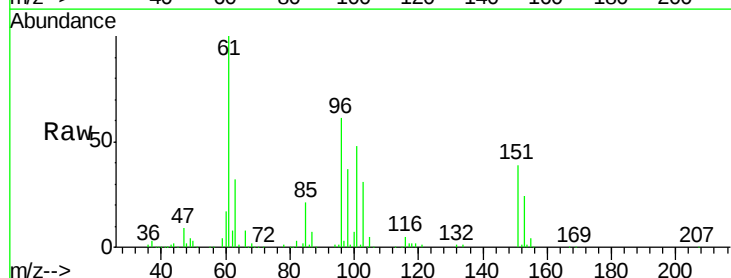
MMDadoda
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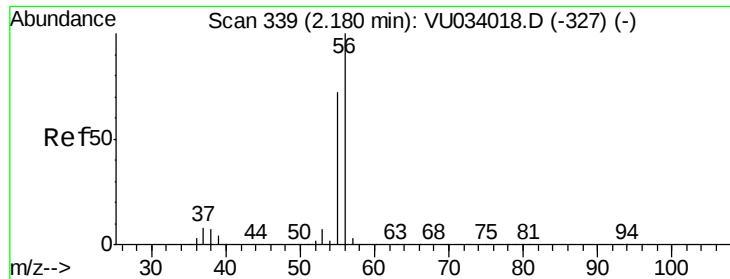


#12

1,1-Dichloroethene
 Concen: 20.207 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	131.3	196.9
98	61.1	50.3	75.5





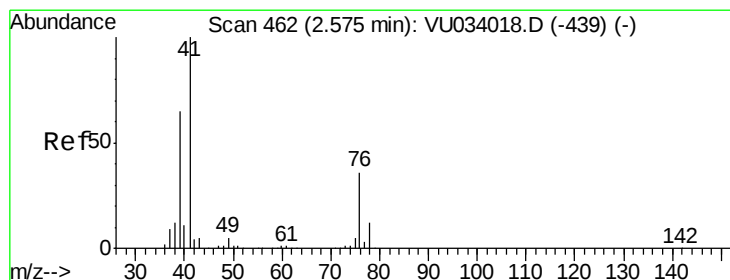
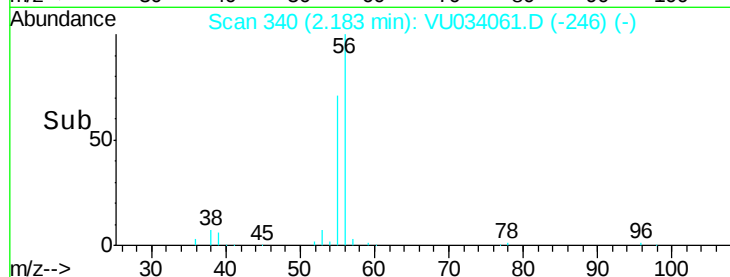
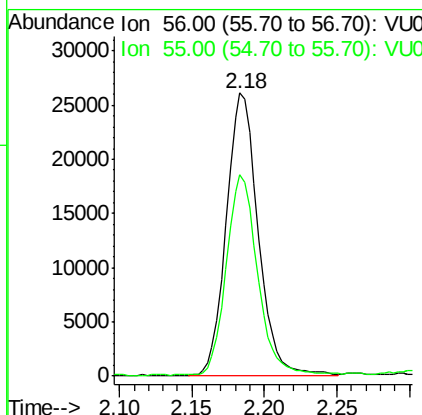
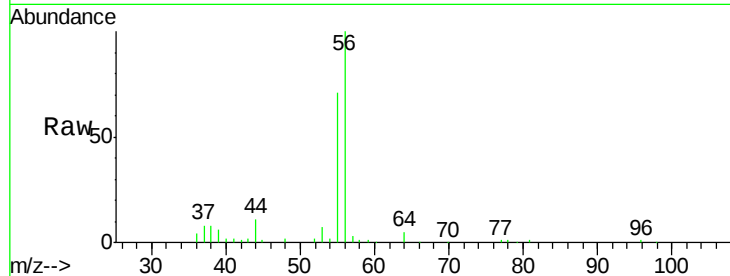
#13
 Acrolein
 Concen: 75.850 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	56	Resp	40016
Ion Ratio	100	Lower	Upper
55	70.8	57.1	85.7

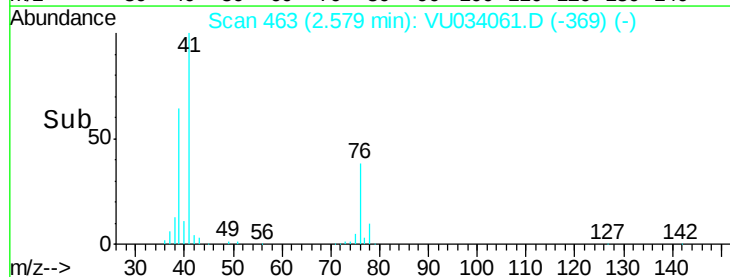
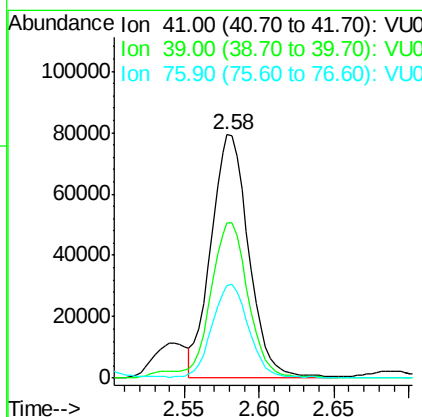
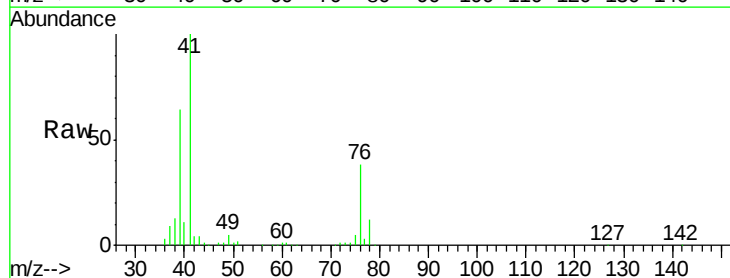
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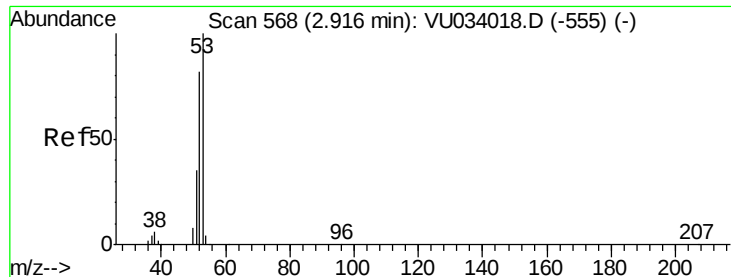
MMDadoda
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#14
 Allyl chloride
 Concen: 17.345 ug/l
 RT: 2.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	41	Resp	138566
Ion Ratio	100	Lower	Upper
39	65.7	46.8	70.2
76	36.6	26.6	40.0





#15

Acrylonitrile

Concen: 100.605 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

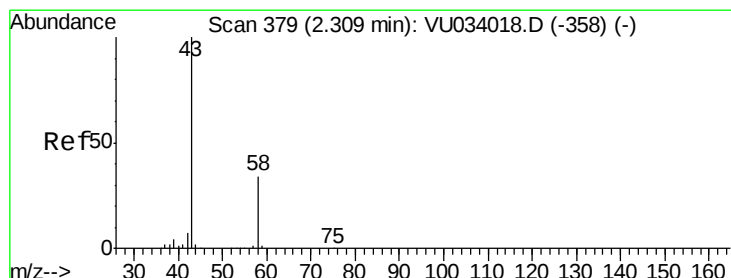
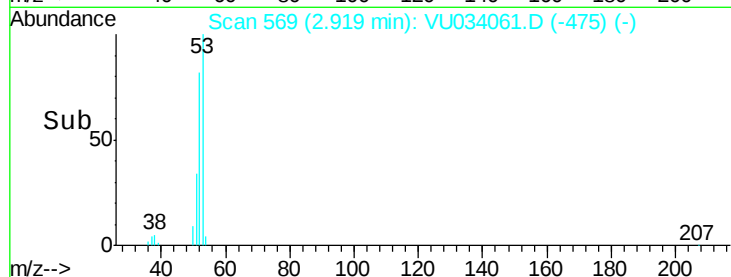
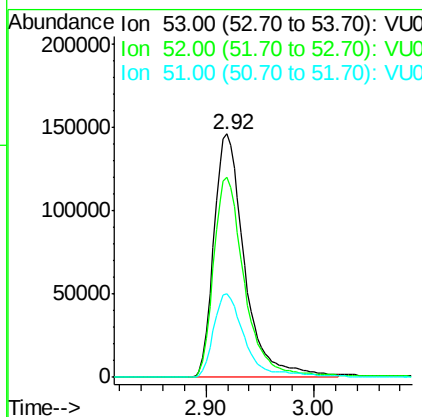
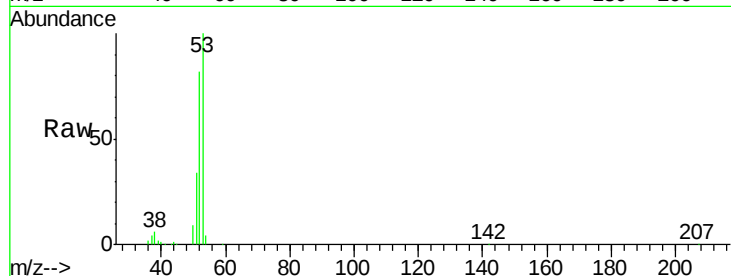
ClientSampleId :

VU0830MBSD01

Tot Ion:	53	Resp:	289518
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 91.004 ug/l

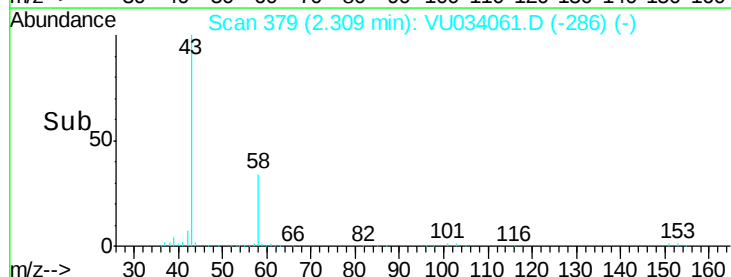
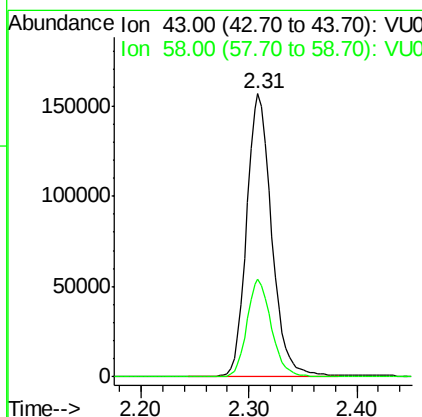
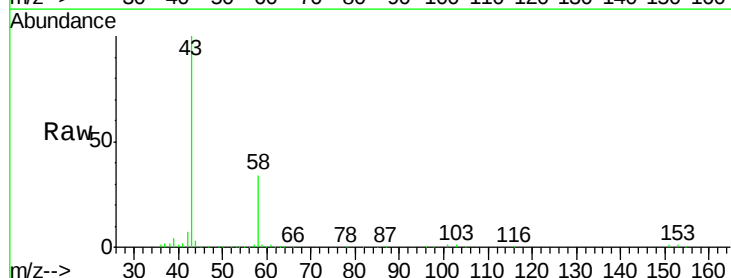
RT: 2.31 min Scan# 379

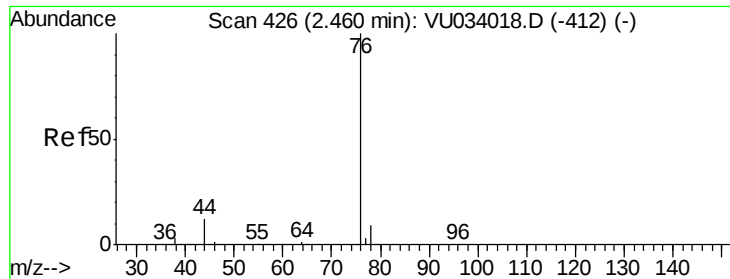
Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion:	43	Resp:	252522
Ion Ratio	Lower	Upper	
43	100		
58	34.4	26.8	40.2





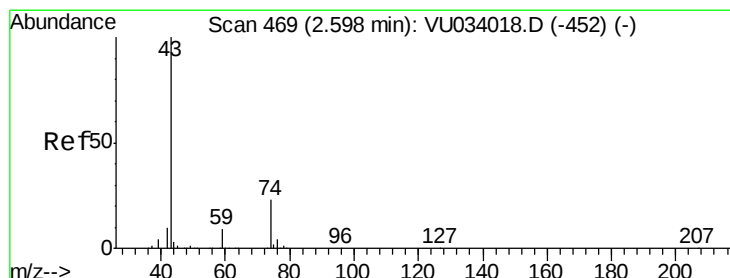
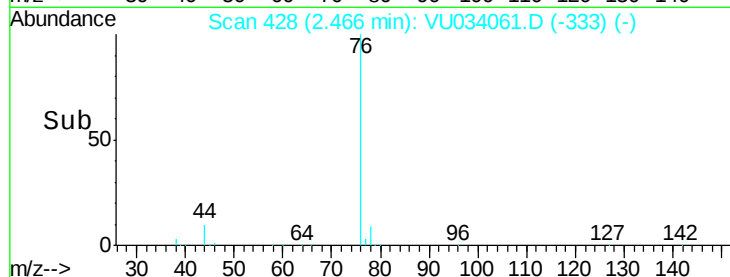
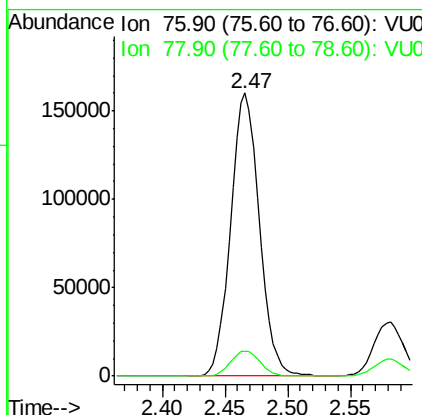
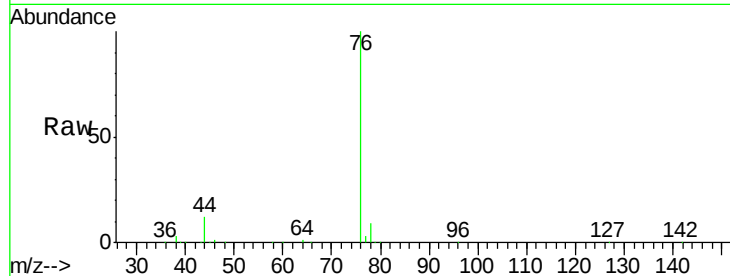
#17
Carbon Disulfide
Concen: 19.014 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

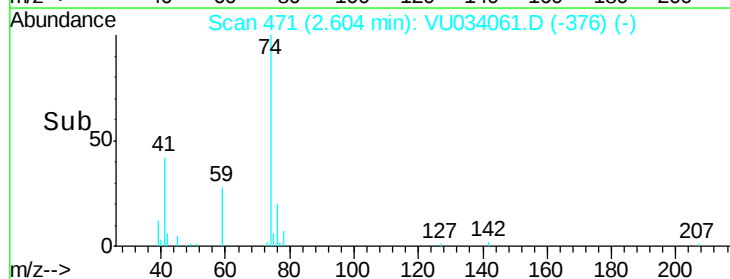
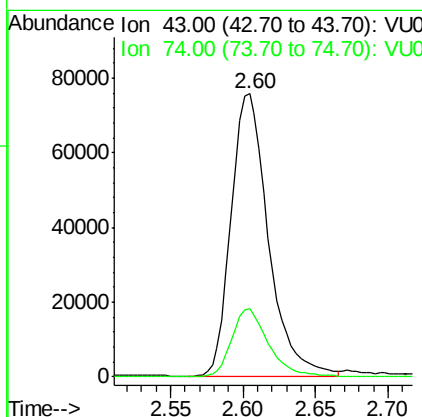
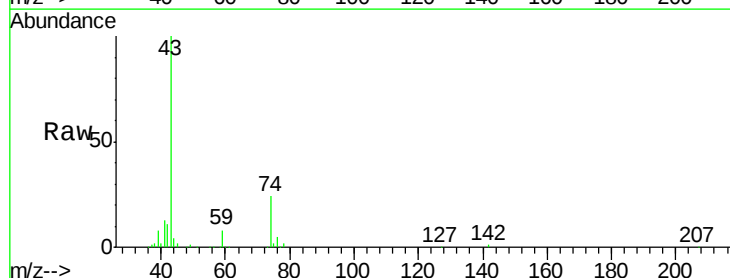
Manual Integrations
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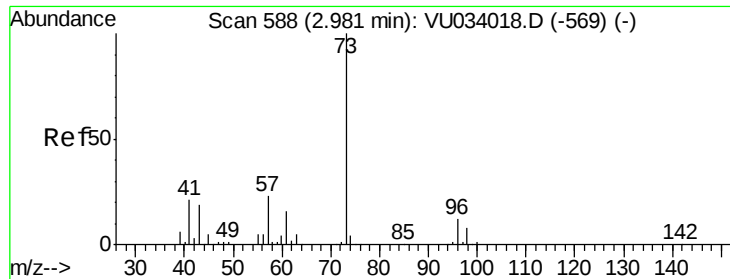
MMDadoda
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#18
Methyl Acetate
Concen: 18.893 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





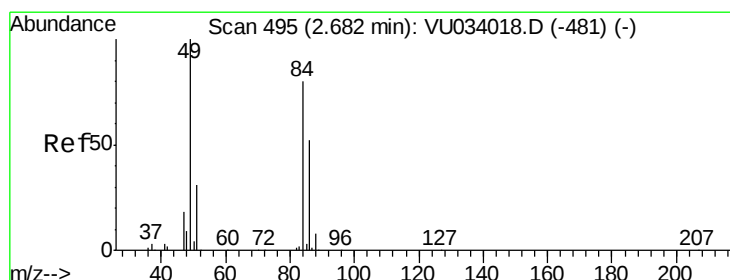
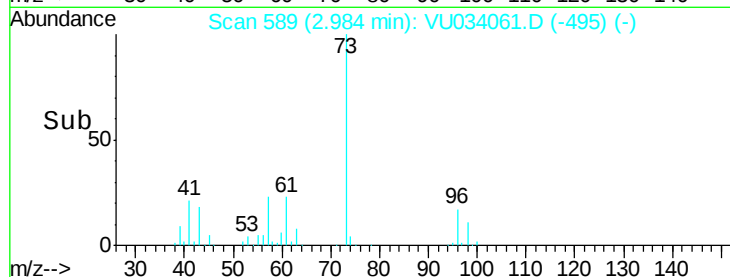
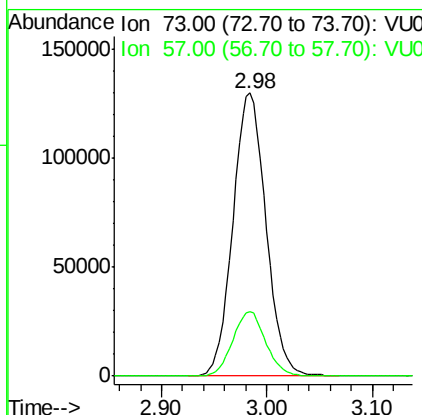
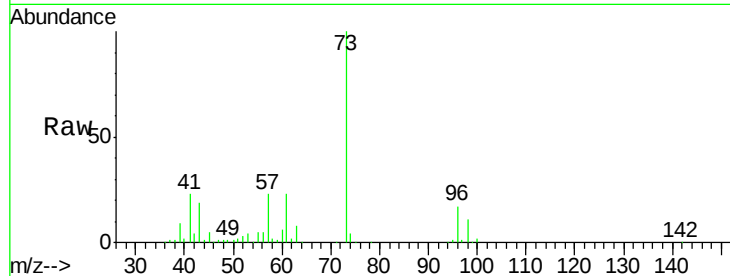
#19
Methvl tert-butvl Ether
Concen: 20.293 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion: 73 Resp: 282503
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

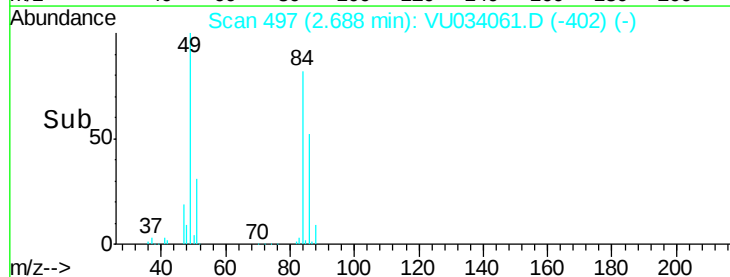
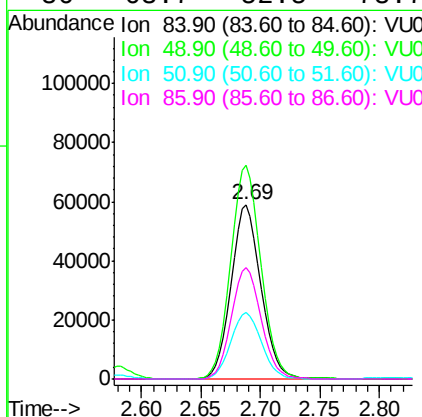
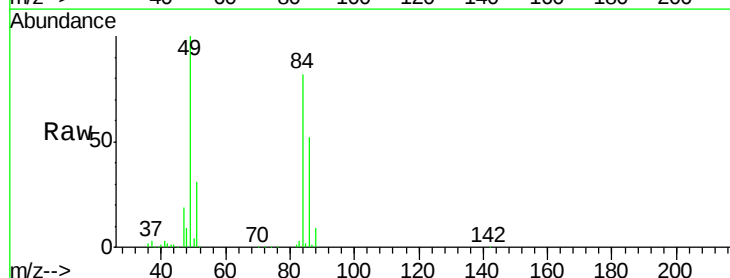
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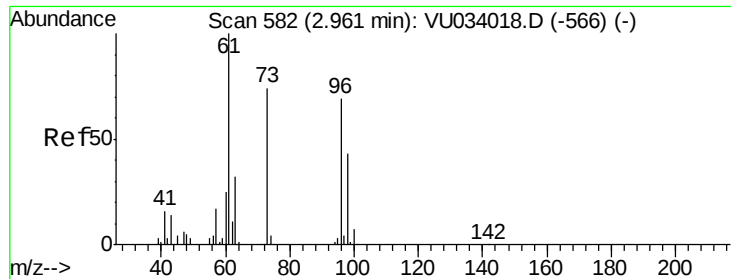
MMDadoda
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#20
Methylene Chloride
Concen: 19.562 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 84 Resp: 102764
Ion Ratio Lower Upper
84 100
49 122.3 100.2 150.4
51 38.0 30.8 46.2
86 63.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.092 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 96 Resp: 92649

Ion Ratio Lower Upper

96 100

61 148.1 115.5 173.3

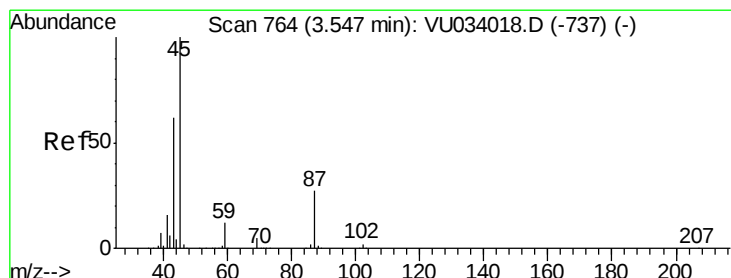
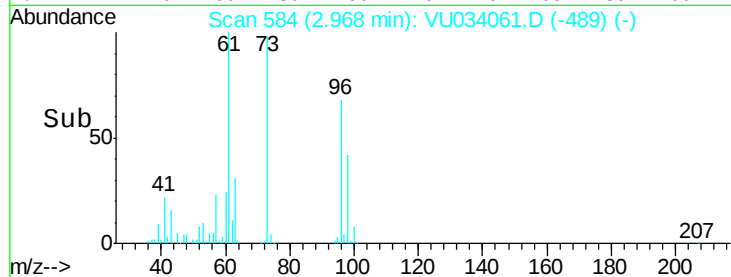
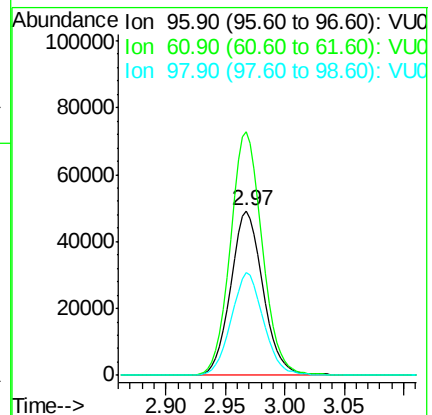
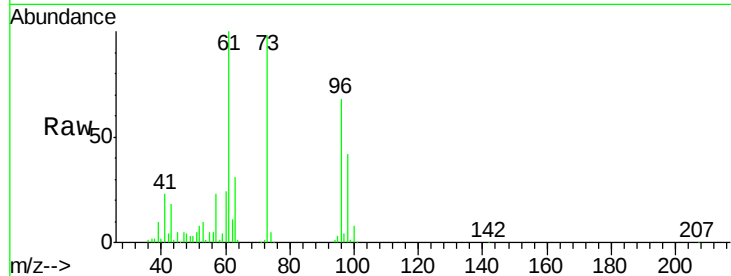
98 62.2 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.776 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion: 45 Resp: 304124

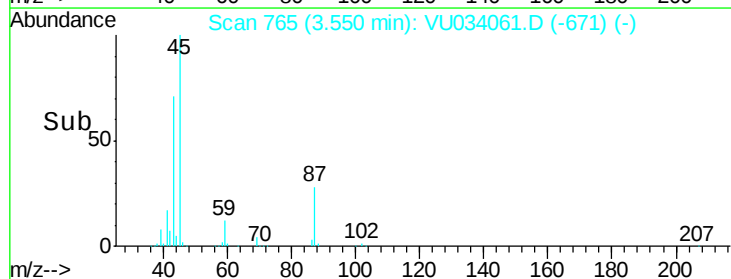
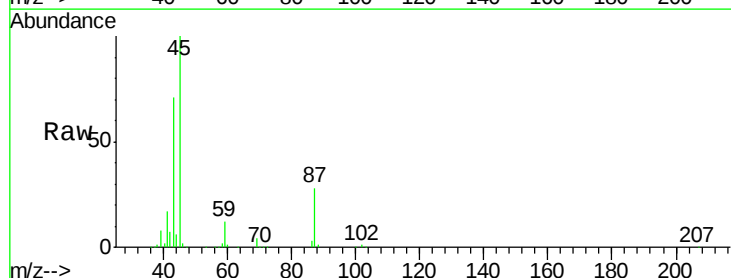
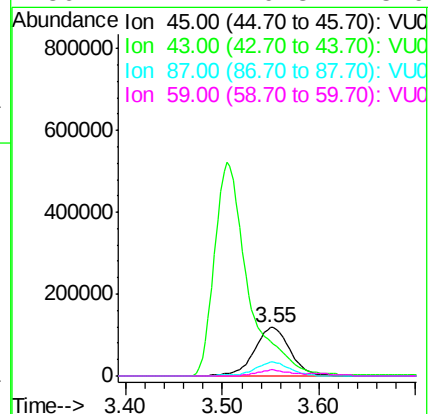
Ion Ratio Lower Upper

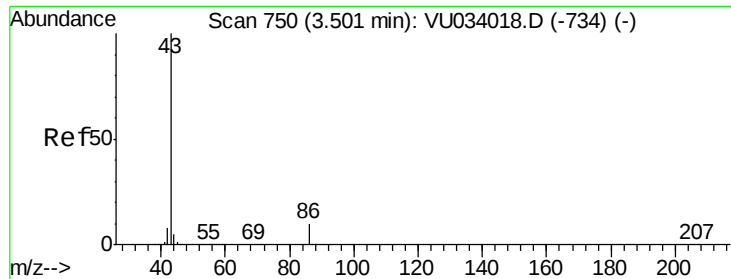
45 100

43 70.3 49.7 74.5

87 28.2 21.8 32.8

59 12.1 9.3 13.9





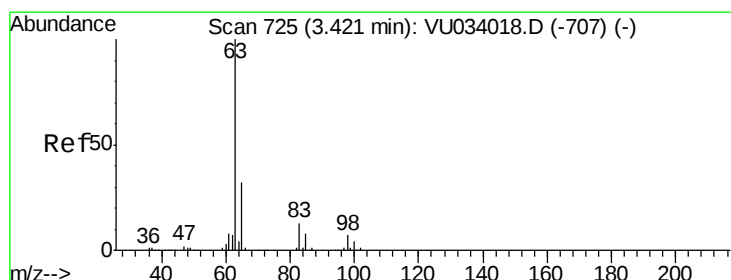
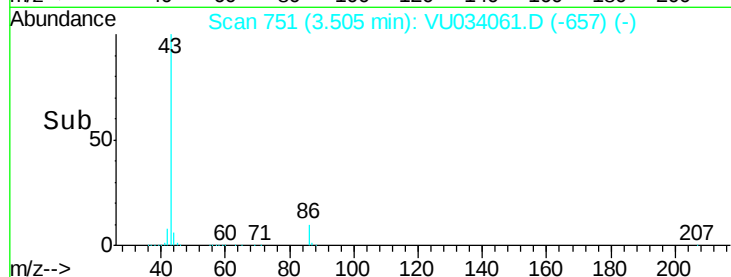
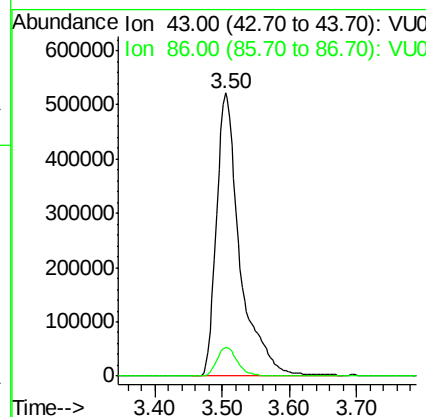
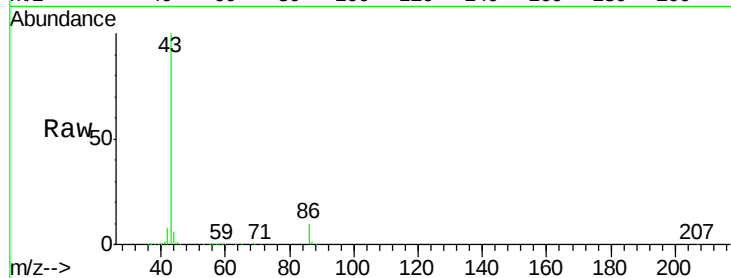
#23
 Vinyl Acetate
 Concen: 101.151 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion: 43 Resp: 1271971
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5

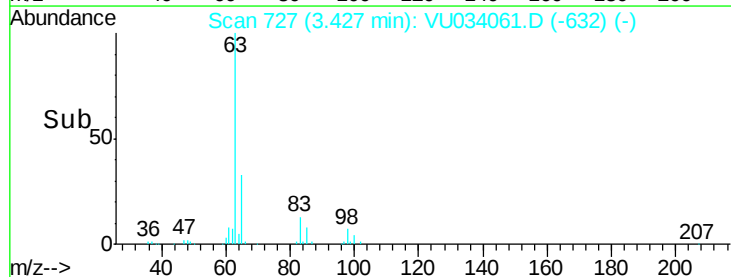
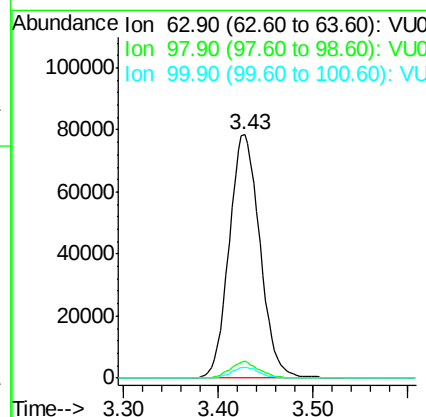
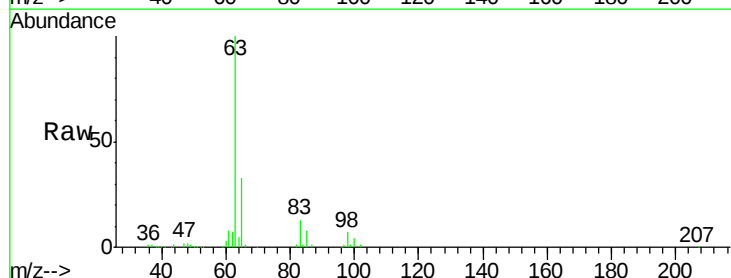
Manual Integrations
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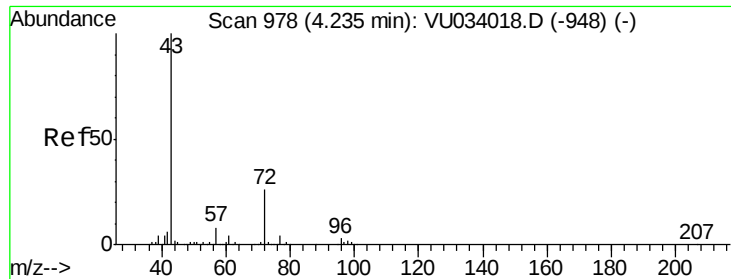
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.499 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion: 63 Resp: 177165
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.0 6.0





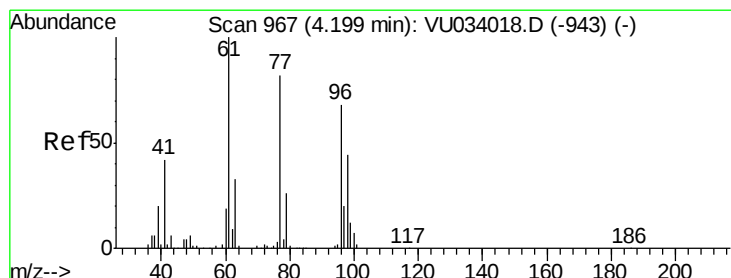
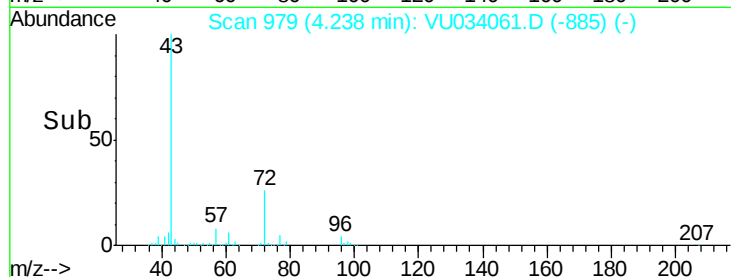
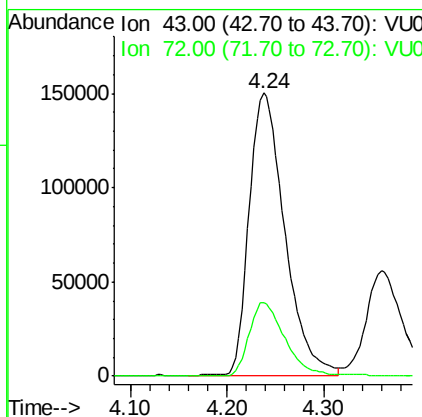
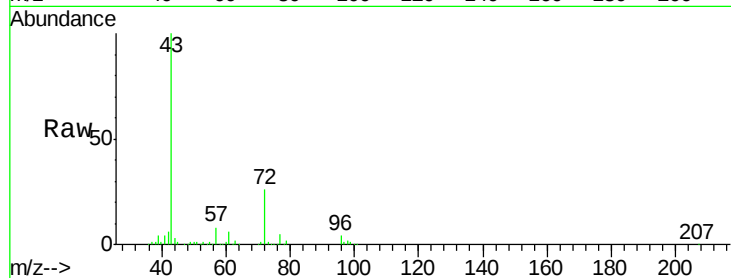
#25
2-Butanone
Concen: 99.178 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampled :
VU0830MBSD01

Tot Ion: 43 Resp: 382881
Ion Ratio Lower Upper
43 100
72 26.2 21.2 31.8

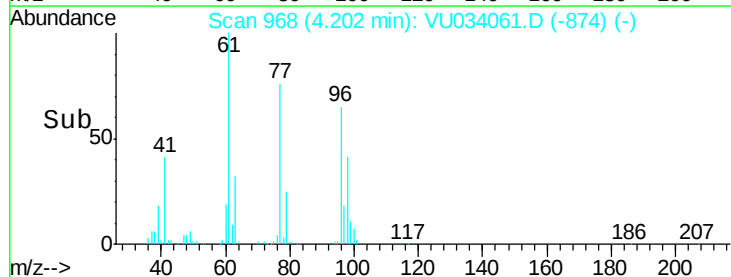
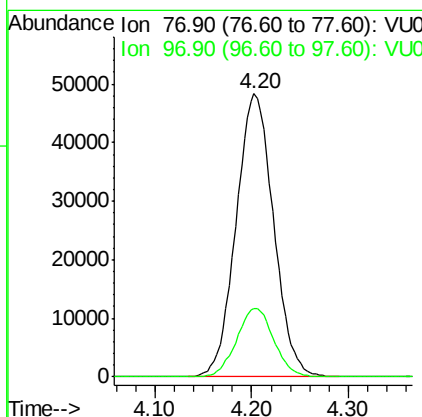
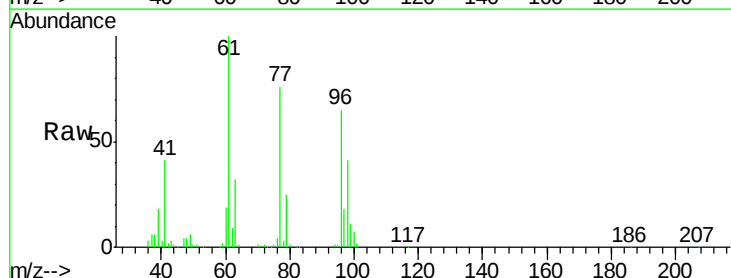
Manual Integrations
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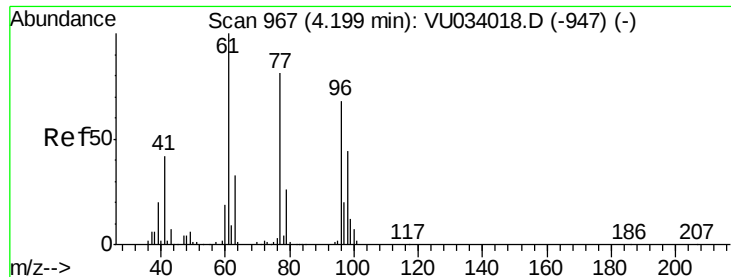
MMDadoda
8/30/2019 12:52:51 PM



#26
2,2-Dichloropropane
Concen: 18.488 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 77 Resp: 130015
Ion Ratio Lower Upper
77 100
97 24.0 11.6 34.7





#27

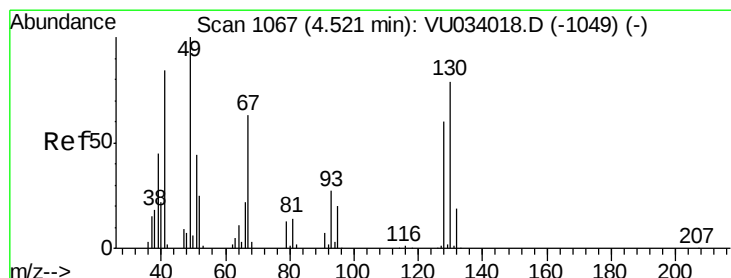
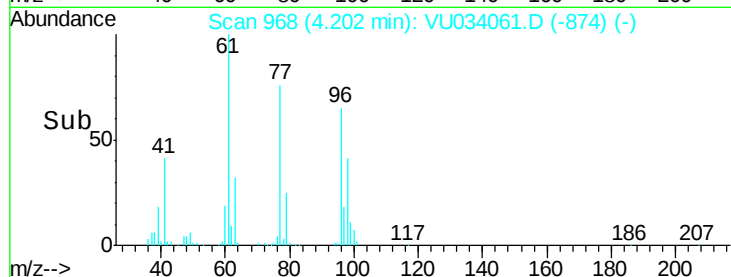
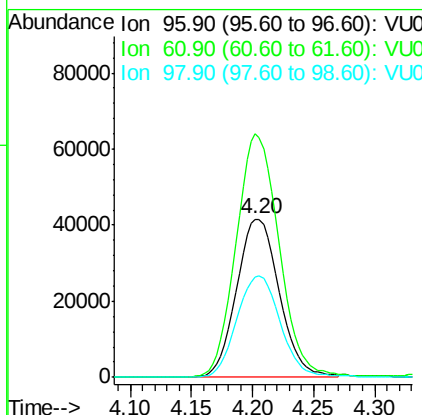
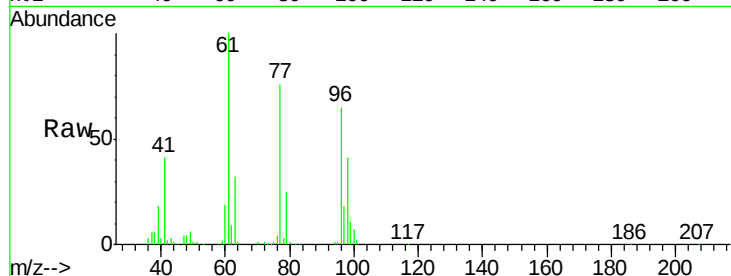
cis-1,2-Dichloroethene
Concen: 19.508 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.5	0.0	303.0	
98	65.4	0.0	129.2	

Manual Integrations
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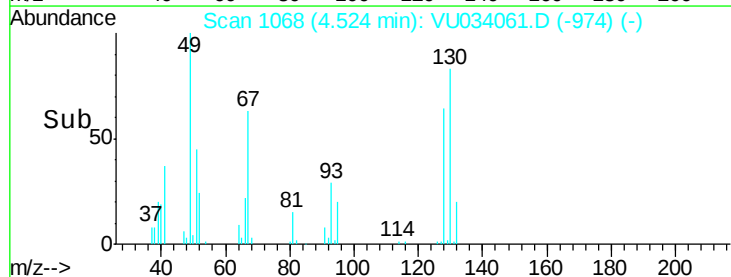
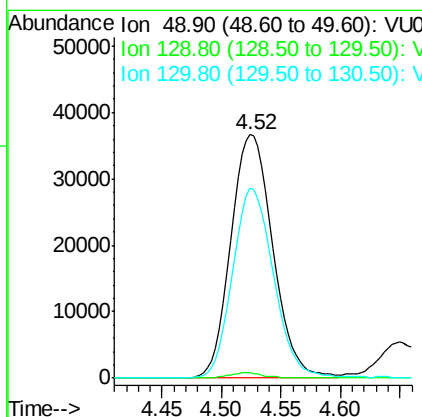
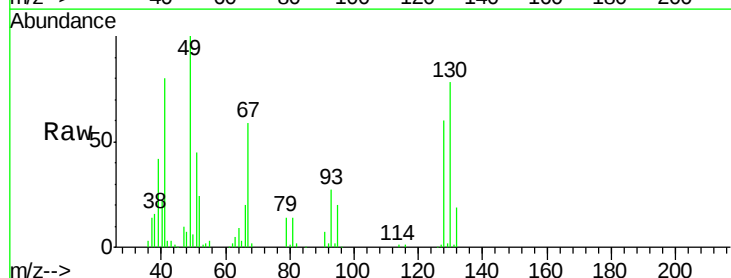
MMDadoda
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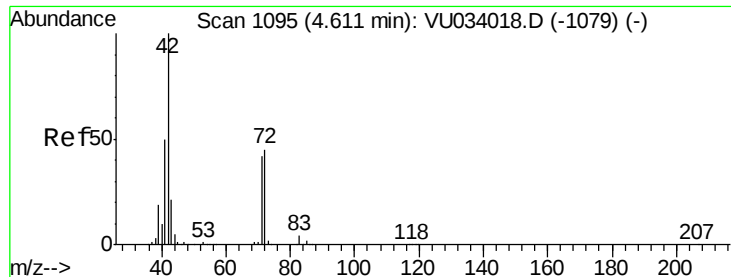


#28

Bromochloromethane
Concen: 21.077 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	76.0	62.8	94.2	





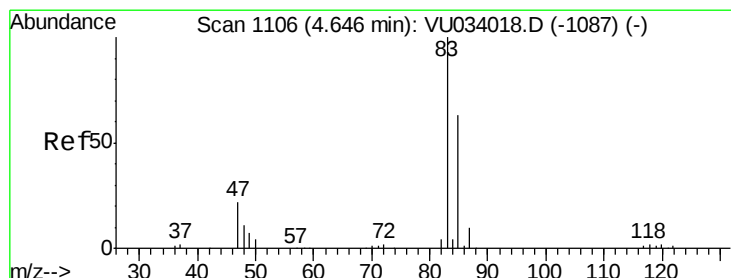
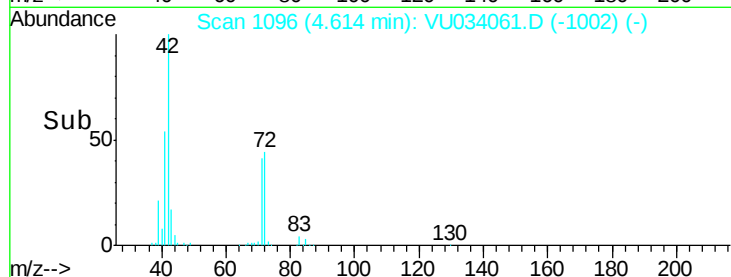
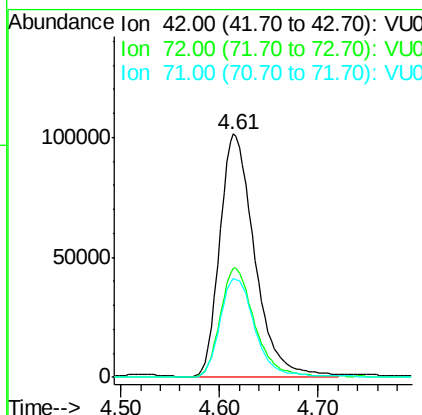
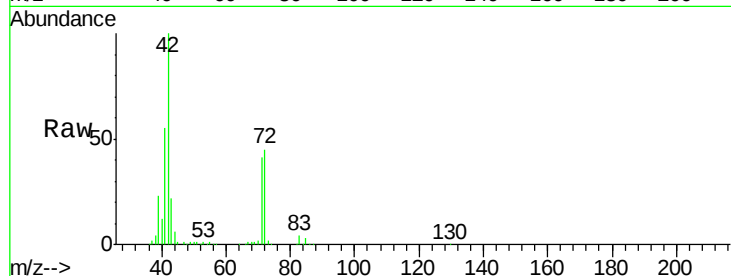
#29
Tetrahydrofuran
Concen: 104.741 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	249367		
72	44.9		35.8	53.6
71	41.1		34.0	51.0

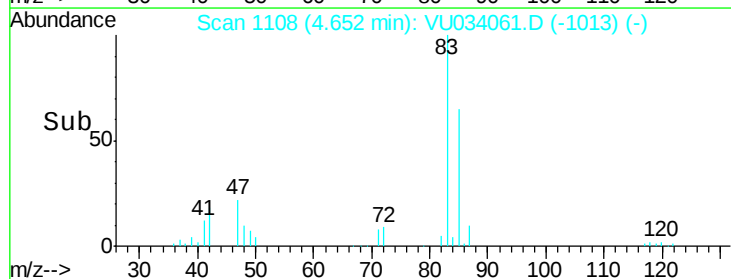
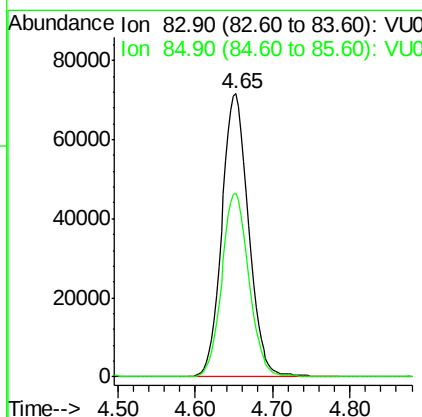
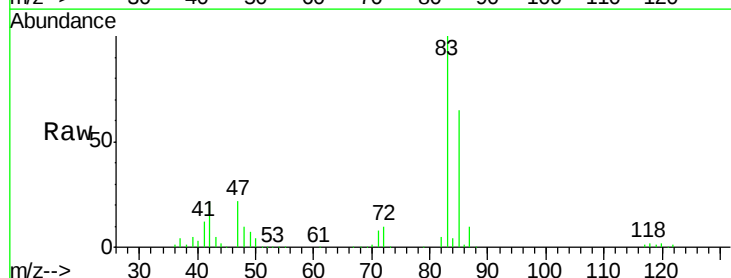
Manual Integrations
APPROVED

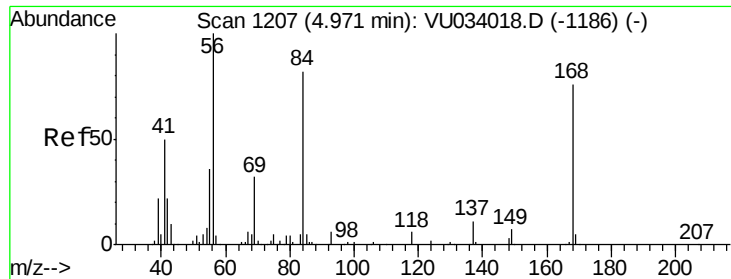
MMDadoda
8/30/2019 12:52:51 PM



#30
Chloroform
Concen: 19.954 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	172062		
85	64.8		50.7	76.1





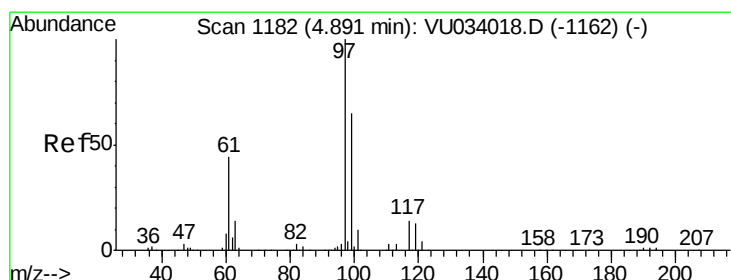
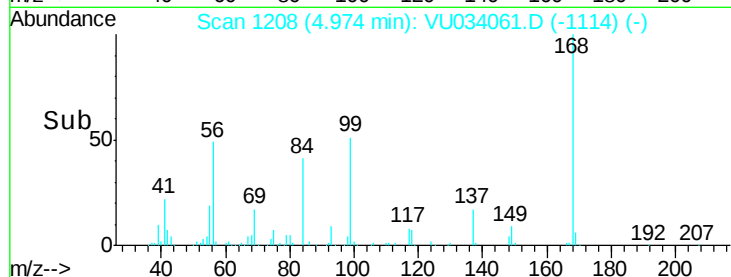
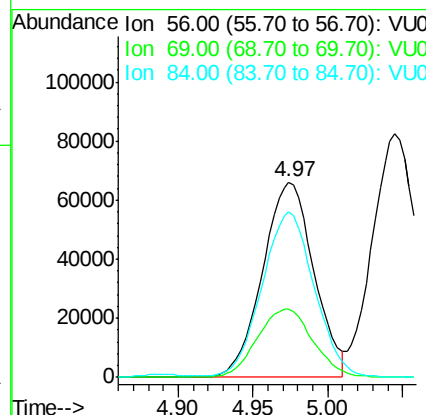
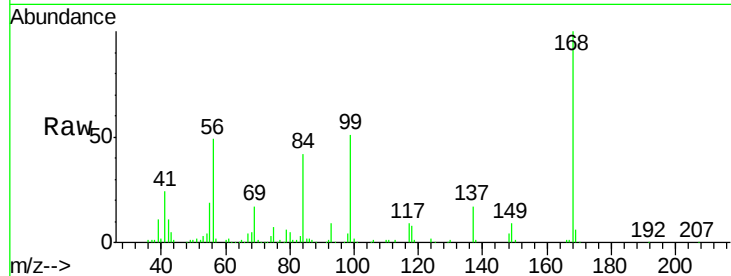
#31
Cyclohexane
Concen: 19.363 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.4	38.0
84	84.0	65.8	98.8

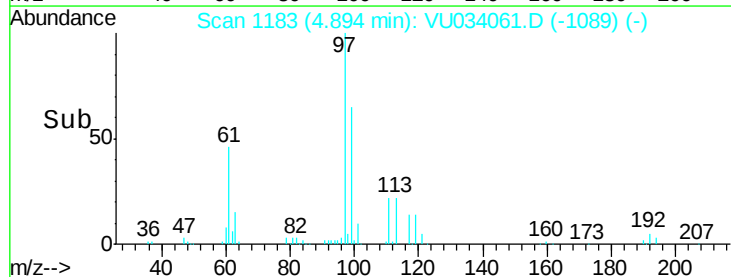
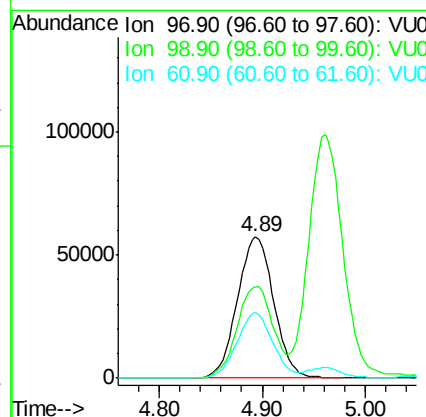
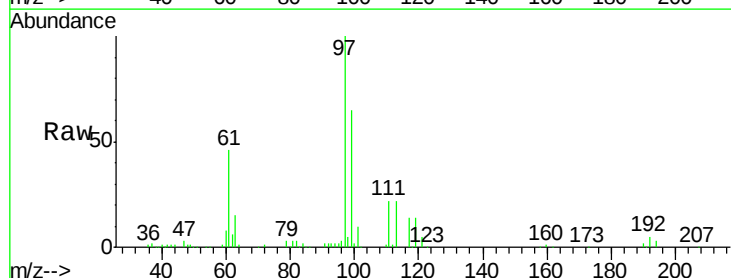
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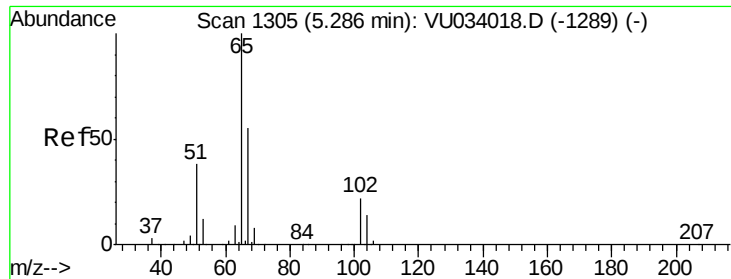
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.929 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	45.6	35.3	52.9





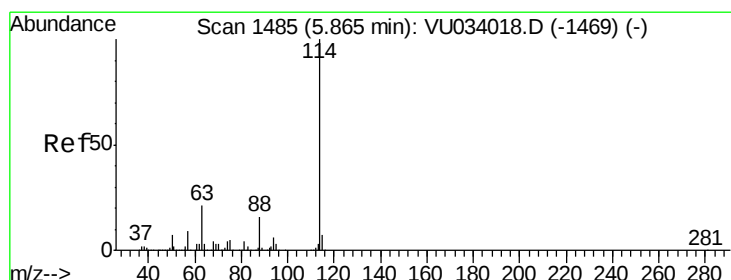
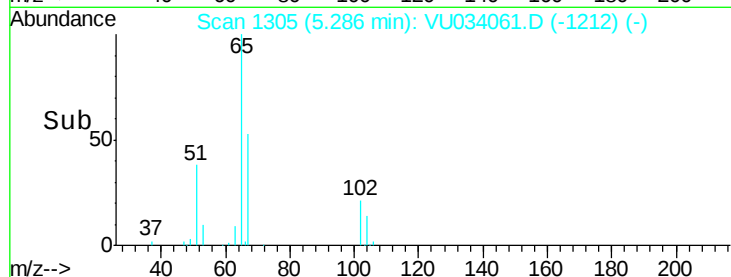
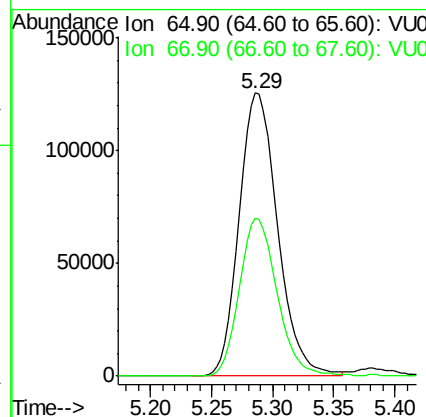
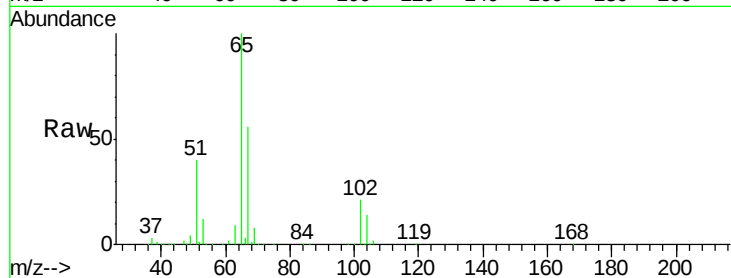
#33
 1,2-Dichloroethane-d4
 Concen: 50.470 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	274468		
67	54.8	0.0	110.6	

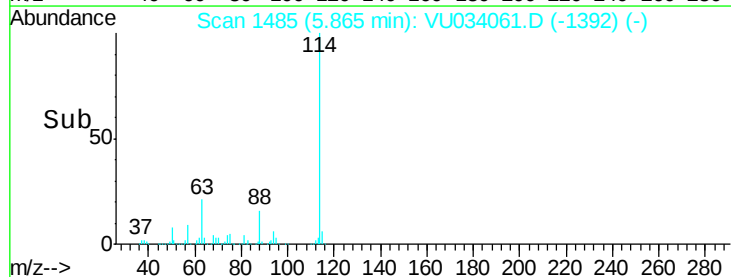
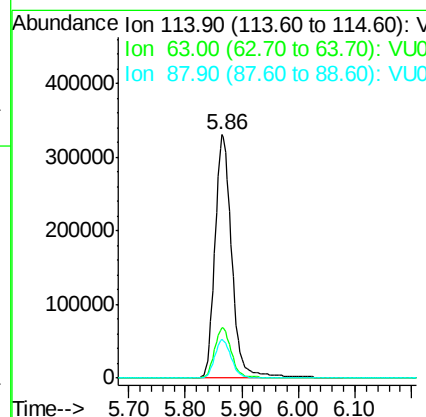
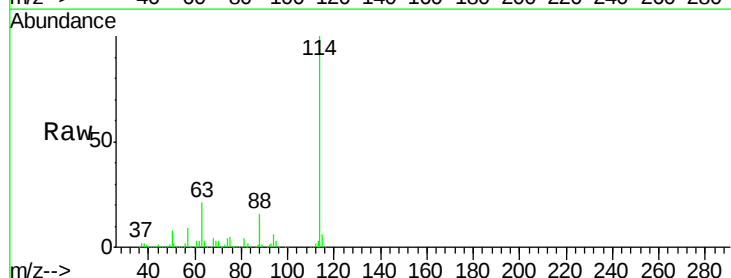
Manual Integrations
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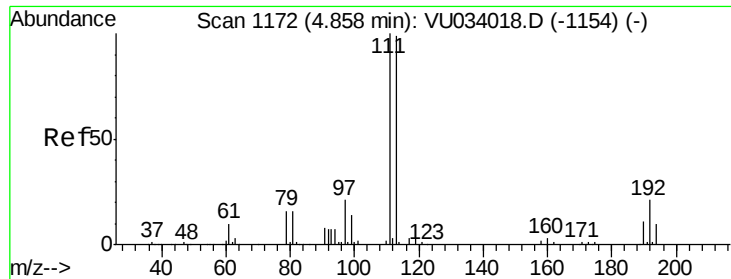
MMDadoda
 8/30/2019 12:52:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682727		
63	20.8	0.0	42.0	
88	16.0	0.0	32.0	





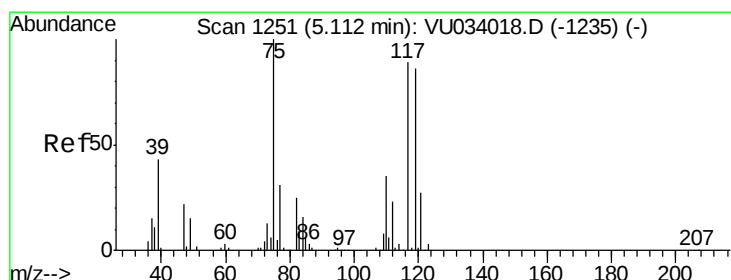
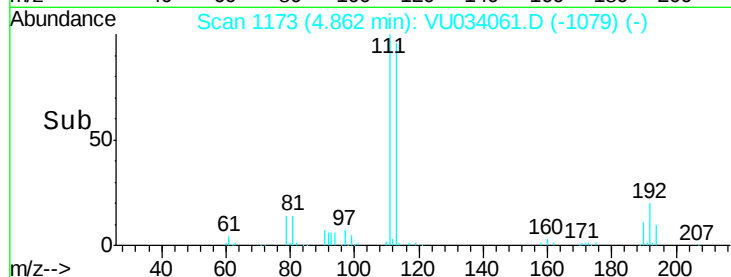
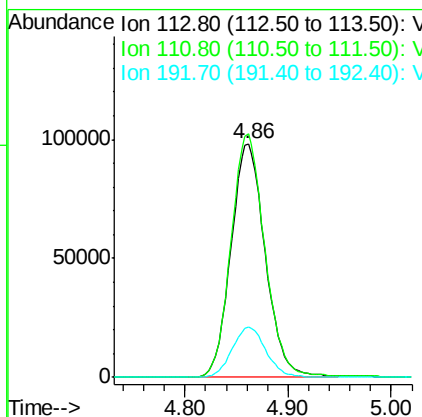
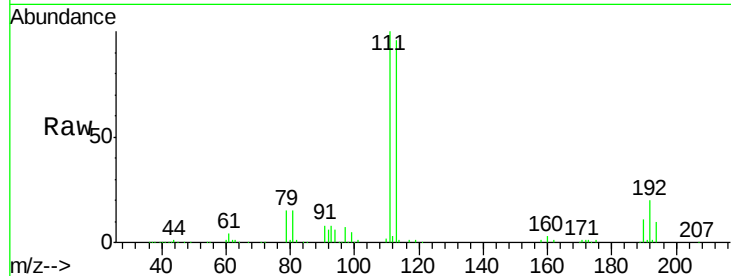
#35
 Dibromofluoromethane
 Concen: 48.008 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227336		
111	103.0	81.7	122.5	
192	21.3	17.1	25.7	

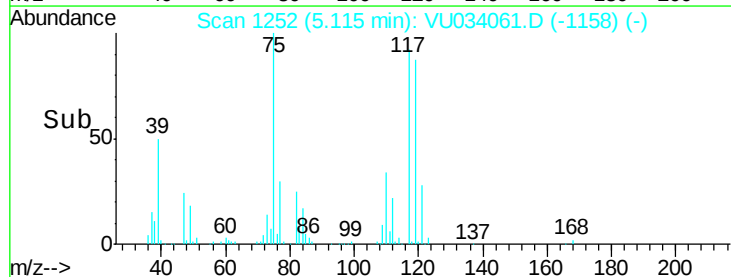
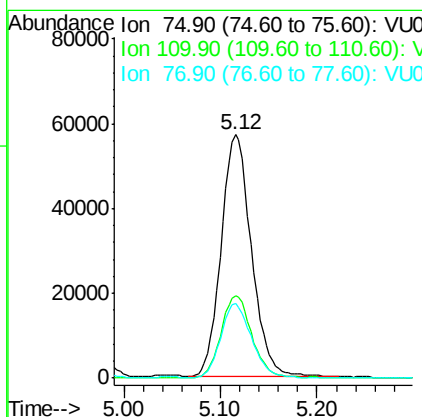
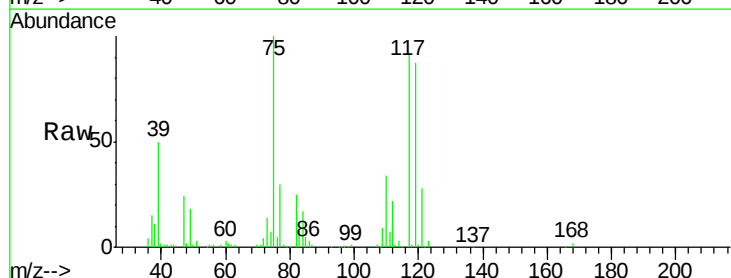
Manual Integrations
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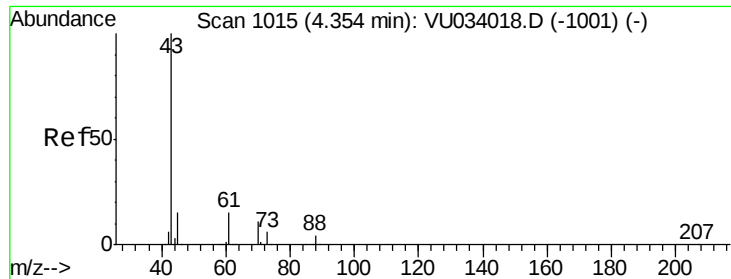
MMDadoda
 8/30/2019 12:52:51 PM



#36
 1,1-Dichloropropene
 Concen: 19.229 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124173		
110	34.8	17.8	53.5	
77	31.6	25.0	37.4	





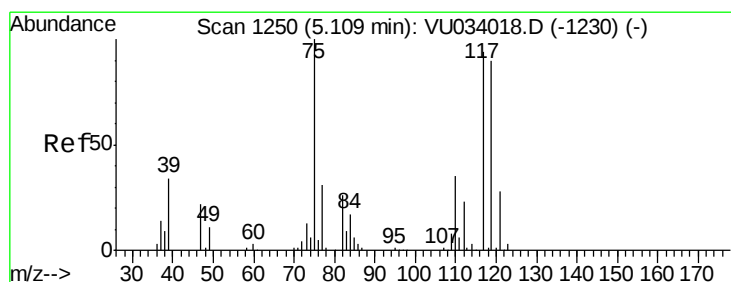
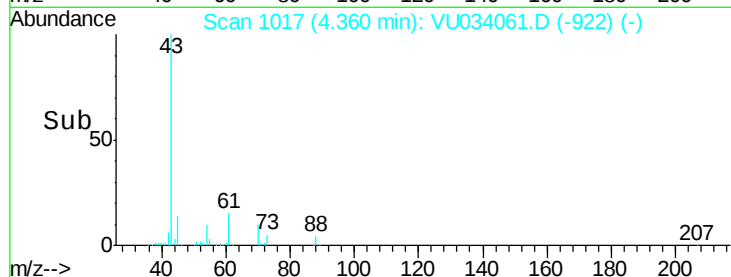
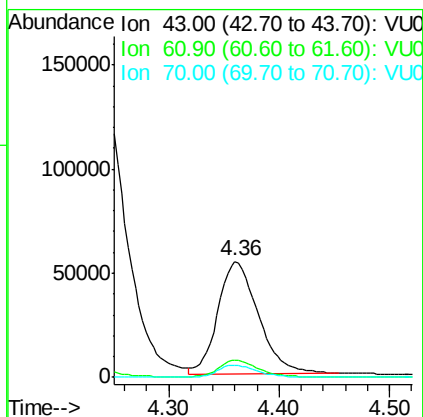
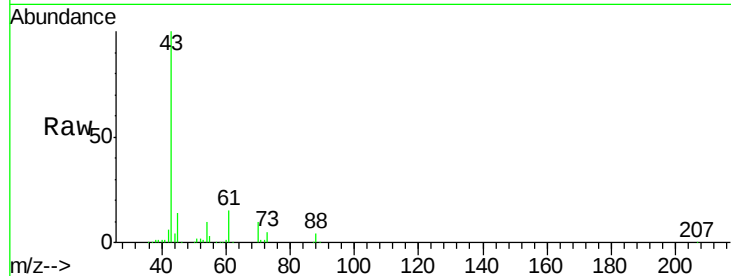
#37
Ethyl Acetate
Concen: 19.333 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.7	8.6	12.8

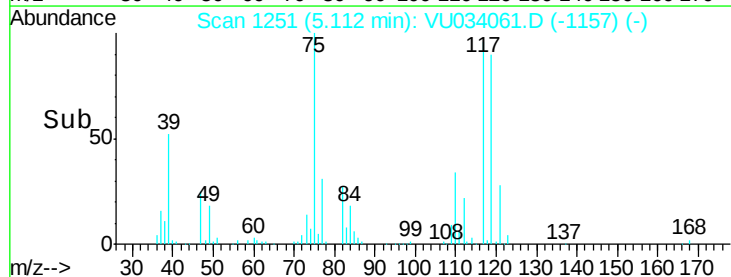
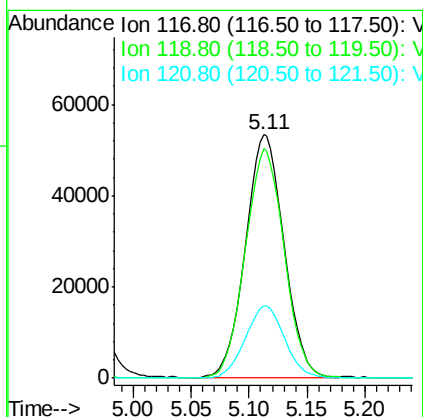
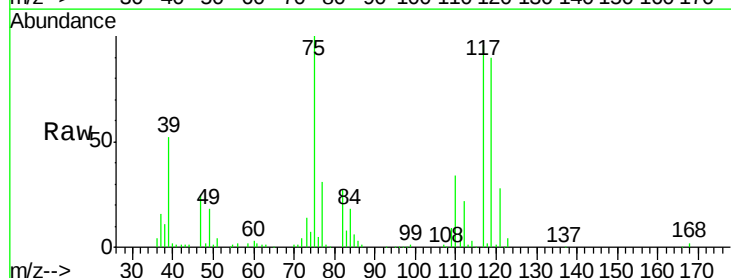
Manual Integrations
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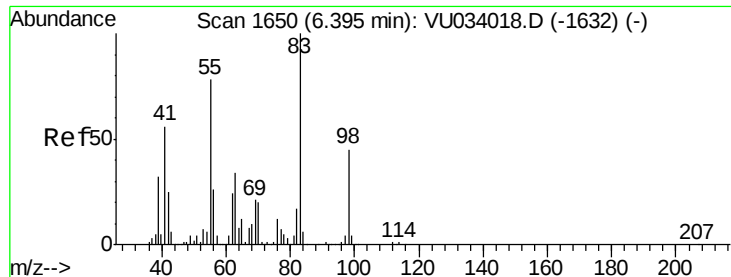
MMDadoda
8/30/2019 12:52:51 PM



#38
Carbon Tetrachloride
Concen: 19.753 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.4
121	29.7	23.9	35.9





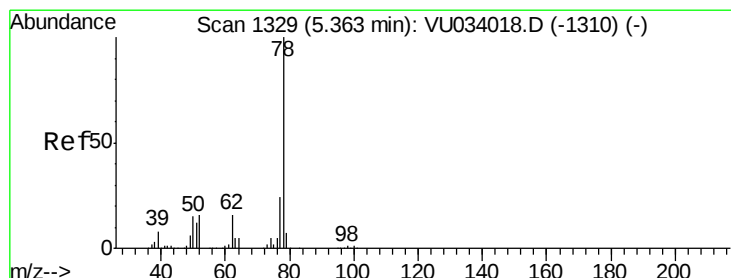
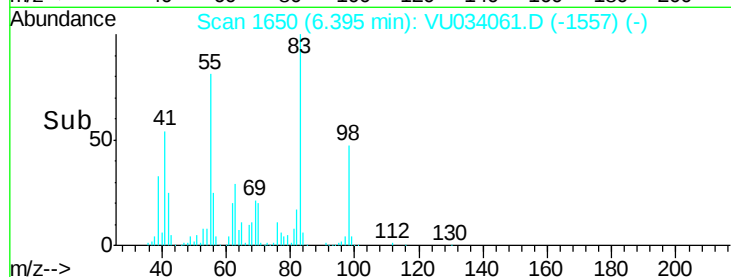
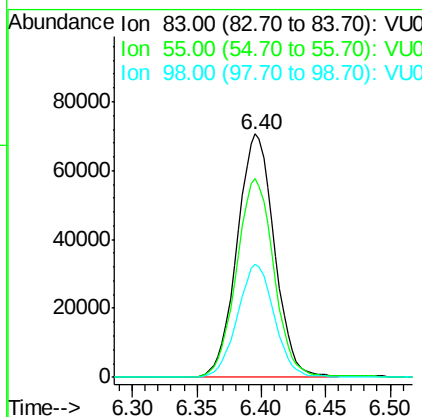
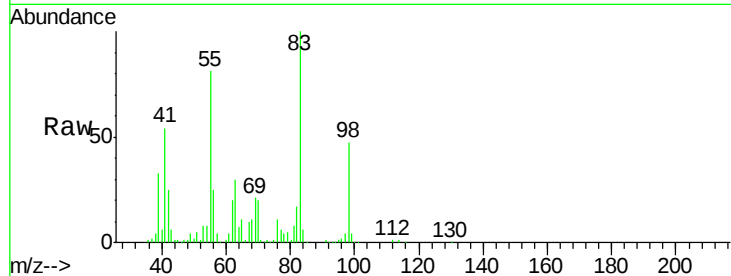
#39
Methvlcvclohexane
Concen: 18.693 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	62.3	93.5
98	46.5	36.2	54.2

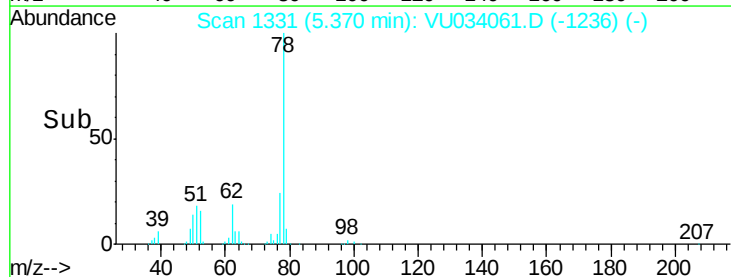
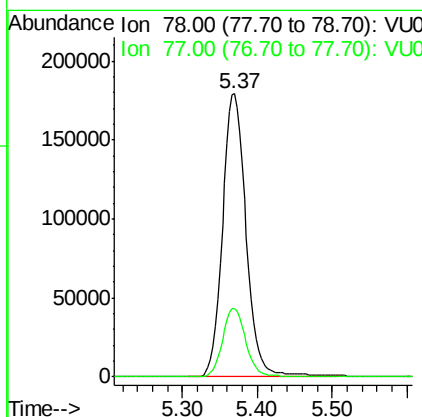
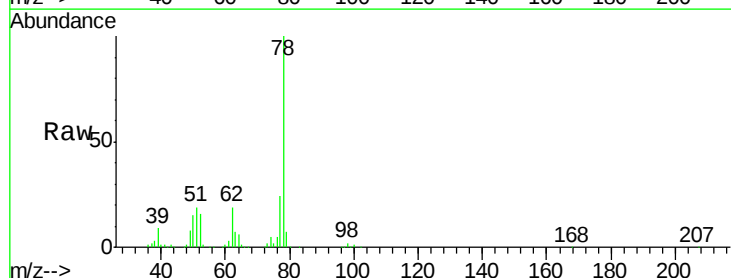
Manual Integrations
APPROVED

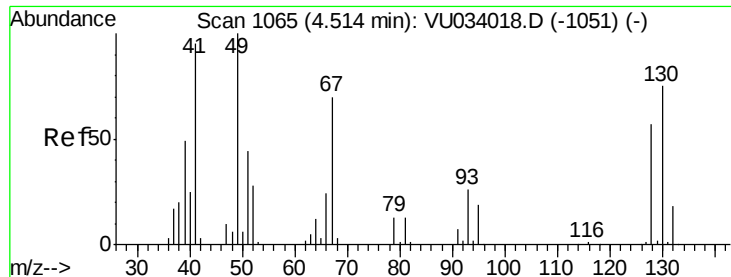
MMDadoda
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#40
Benzene
Concen: 19.987 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





#41

Methacrylonitrile

Concen: 19.759 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 41 Resp: 73281

Ion Ratio Lower Upper

41 100

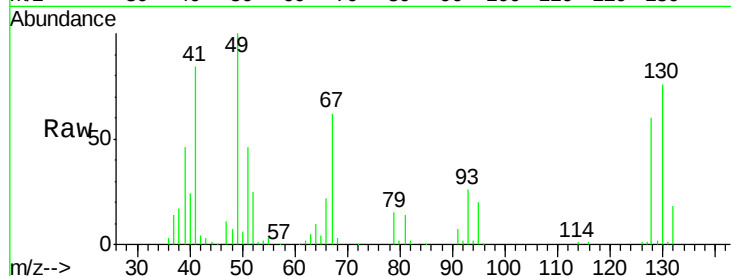
39 53.5 42.1 63.1

67 77.2 61.0 91.4

52 31.1 23.3 34.9

Manual Integrations
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MMDadoda
8/30/2019 12:52:51 PM

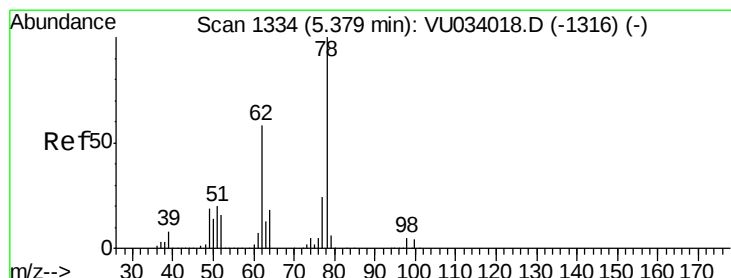
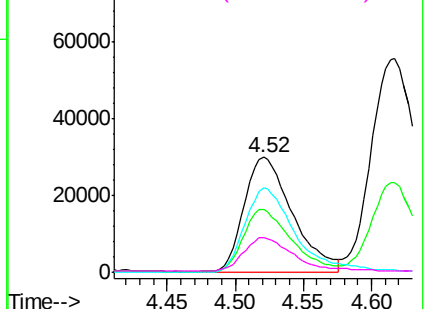
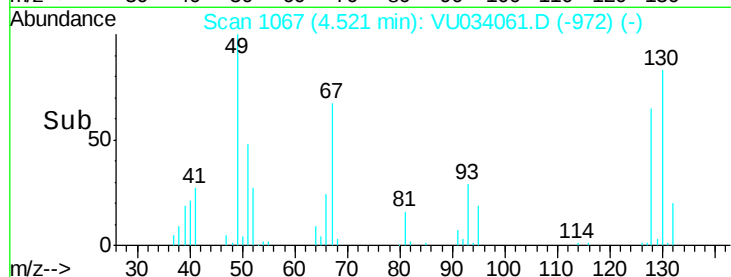


Abundance Ion 41.00 (40.70 to 41.70): VU034061.D (-972) (-)

Ion 39.00 (38.70 to 39.70): VU034061.D (-972) (-)

Ion 67.00 (66.70 to 67.70): VU034061.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VU034061.D (-972) (-)



#42

1,2-Dichloroethane

Concen: 19.828 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034061.D

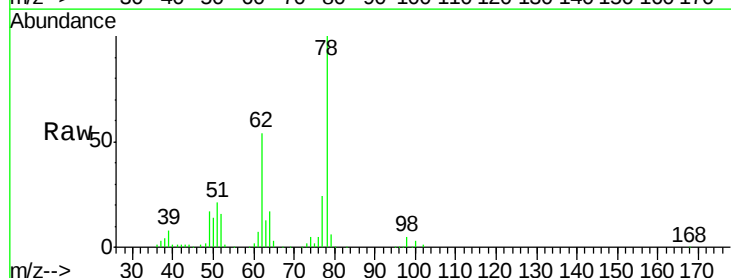
Acq: 29 Aug 2019 14:54

Tgt Ion: 62 Resp: 133777

Ion Ratio Lower Upper

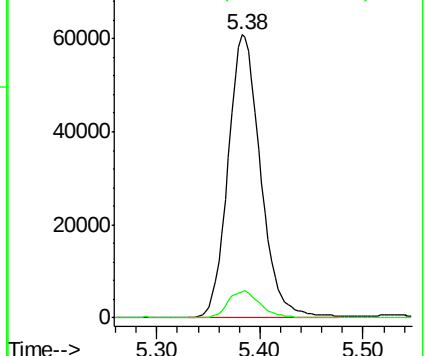
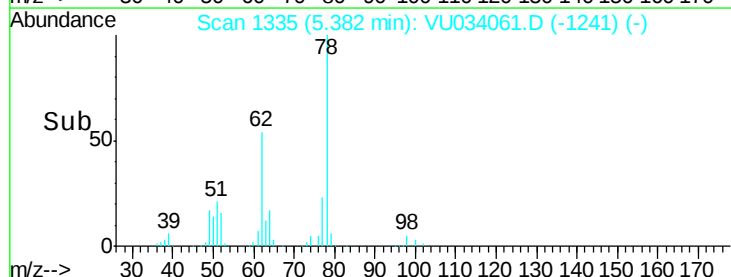
62 100

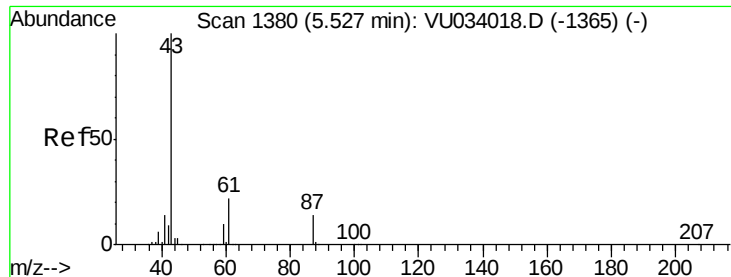
98 9.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU034061.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VU034061.D (-1241) (-)





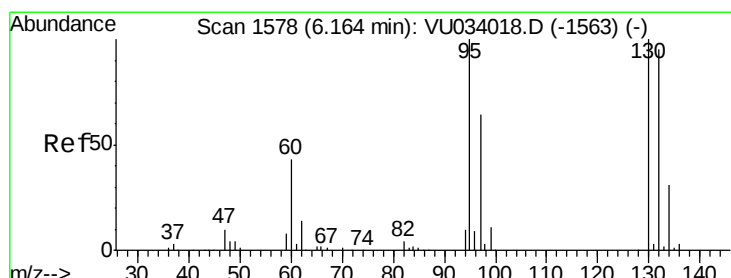
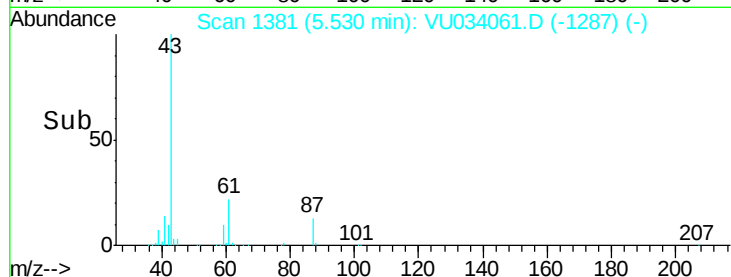
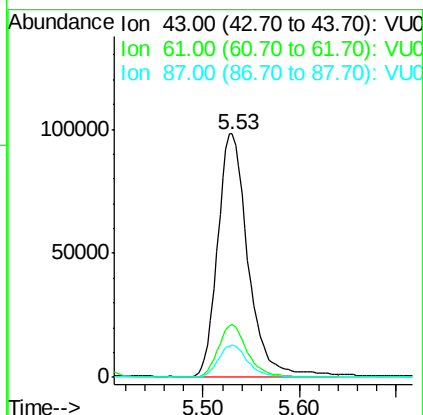
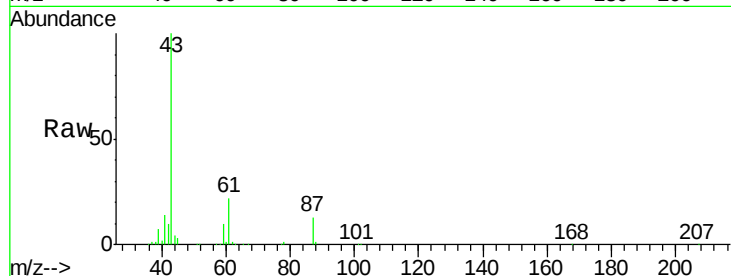
#43
Isopropyl Acetate
Concen: 19.380 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.2	25.8
87	12.9	10.8	16.2

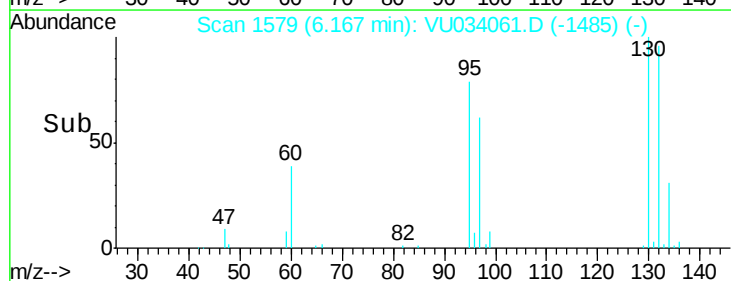
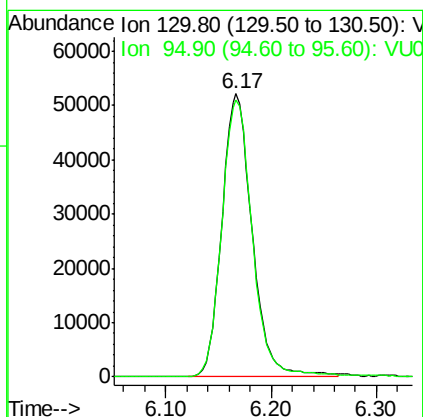
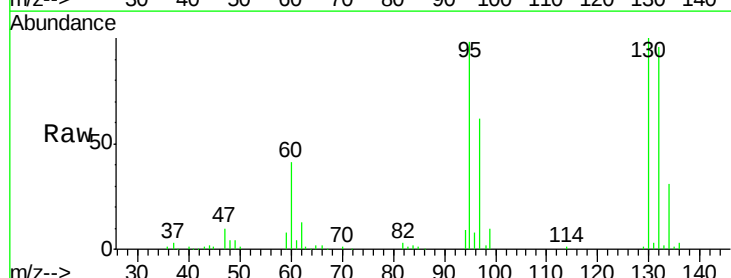
Manual Integrations
APPROVED

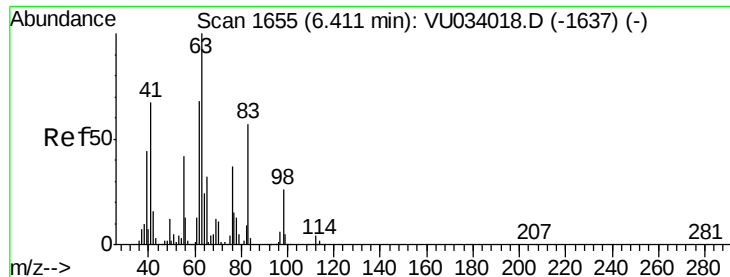
MMDadoda
8/30/2019 12:52:51 PM



#44
Trichloroethene
Concen: 20.191 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.867 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 63 Resp: 106854

Ion Ratio Lower Upper

63 100

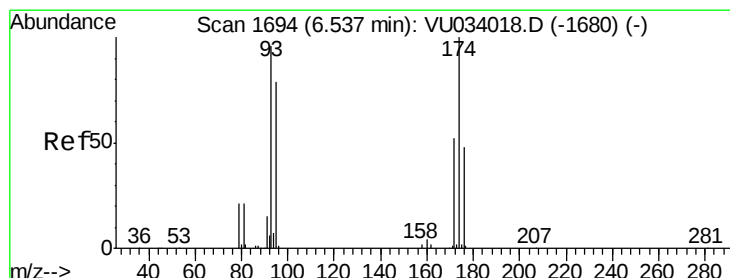
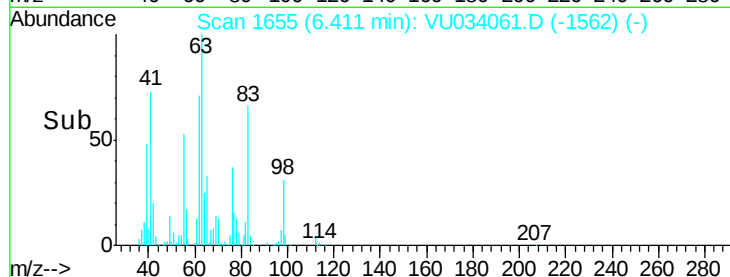
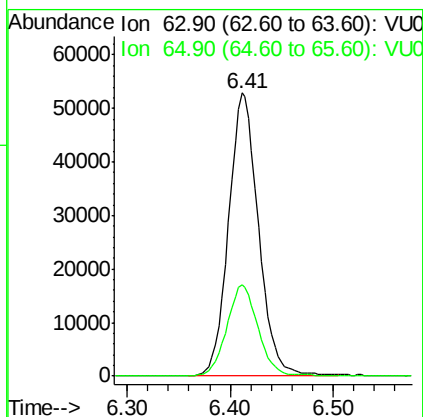
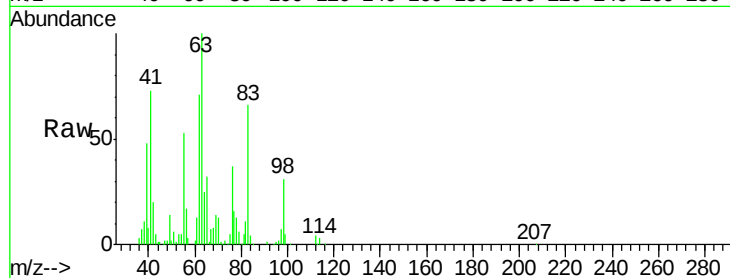
65 32.5 25.4 38.2

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#46

Dibromomethane

Concen: 20.208 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

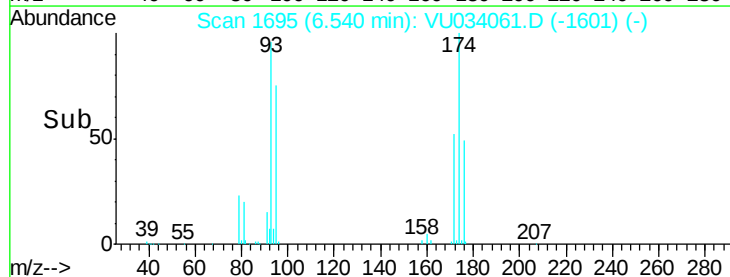
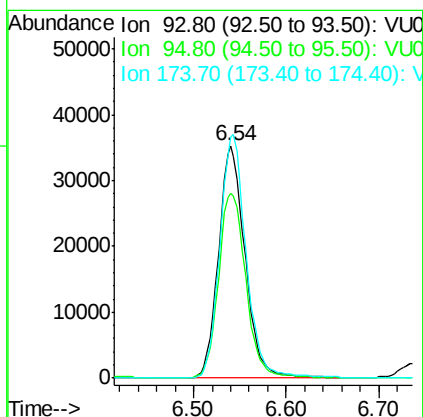
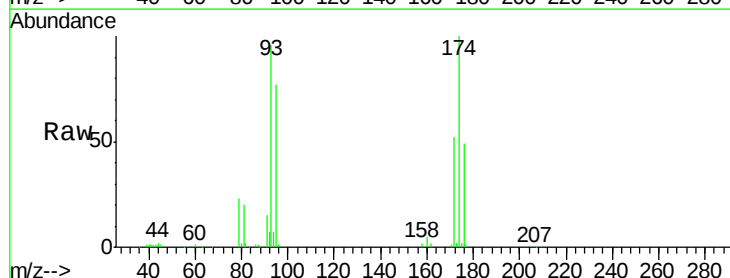
Tgt Ion: 93 Resp: 70023

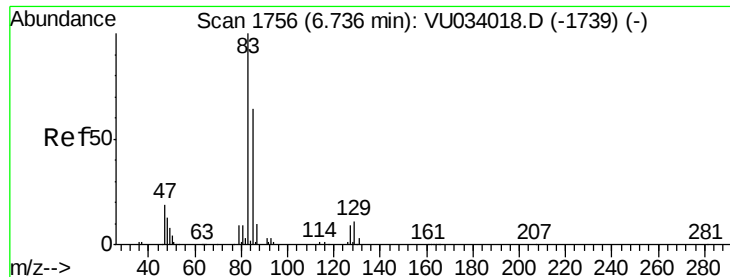
Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

174 102.7 84.9 127.3





#47

Bromodichloromethane

Concen: 19.646 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

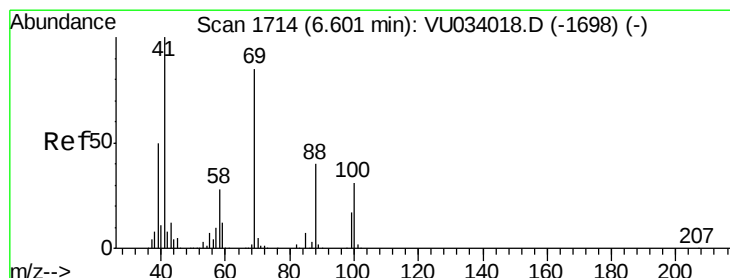
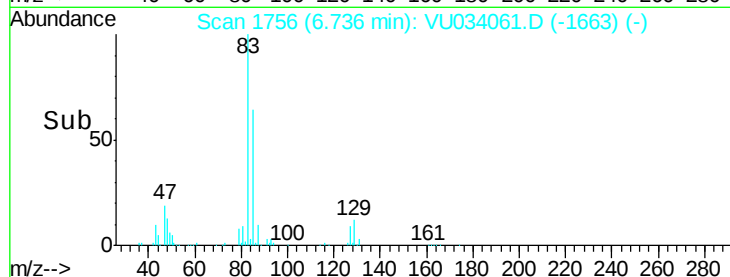
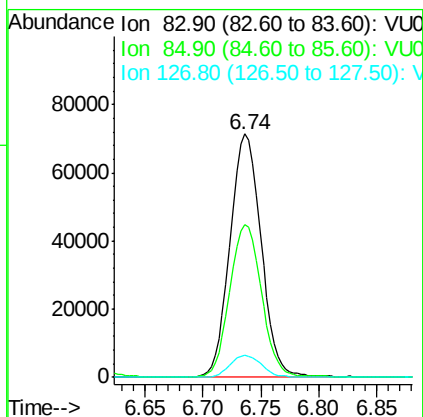
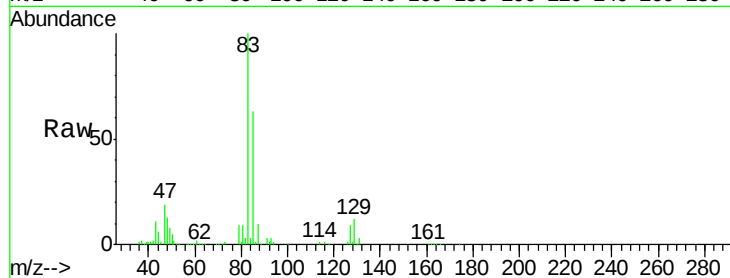
ClientSampleId :

VU0830MBSD01

Tot Ion:	83	Resp:	133189
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 18.440 ug/l

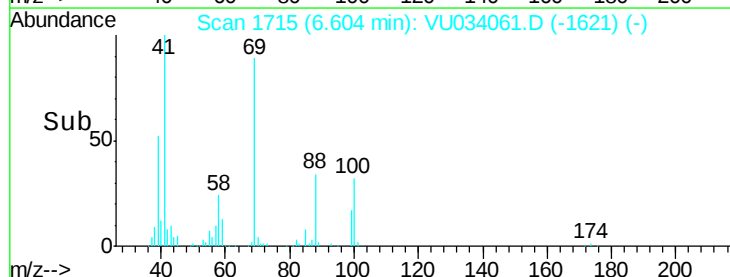
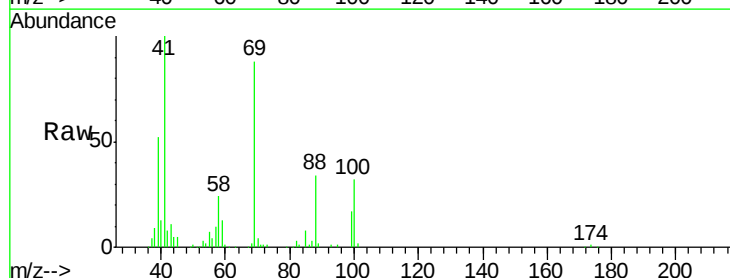
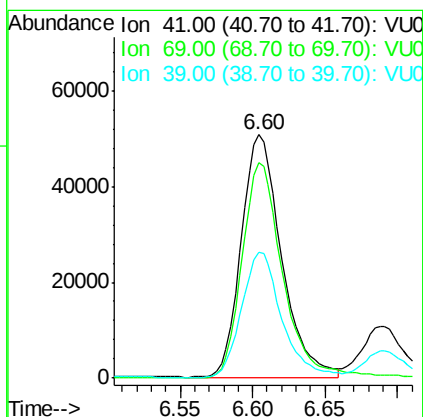
RT: 6.60 min Scan# 1715

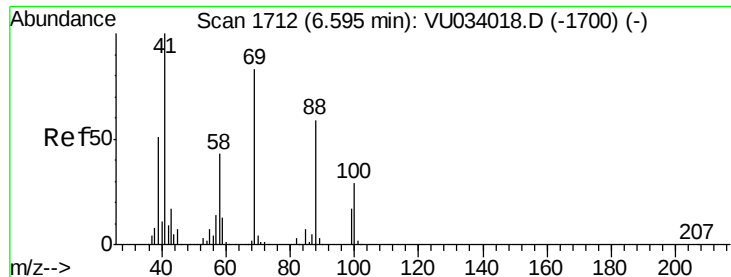
Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion:	41	Resp:	97897
Ion	Ratio	Lower	Upper
41	100		
69	90.1	69.5	104.3
39	51.3	40.3	60.5





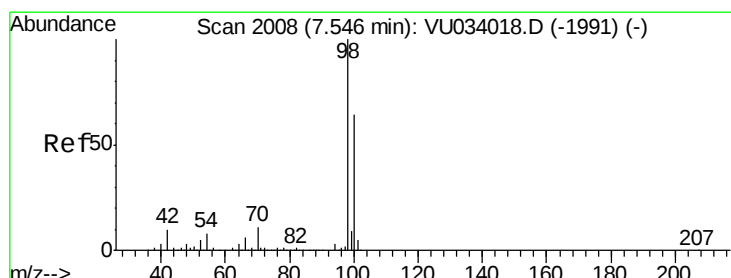
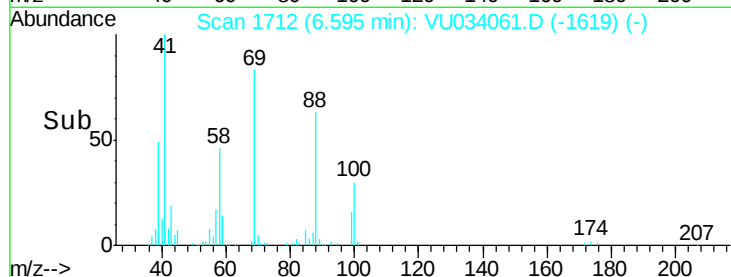
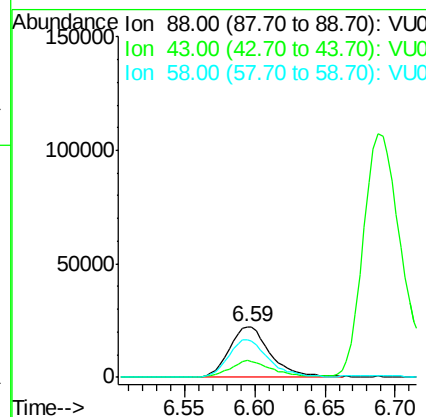
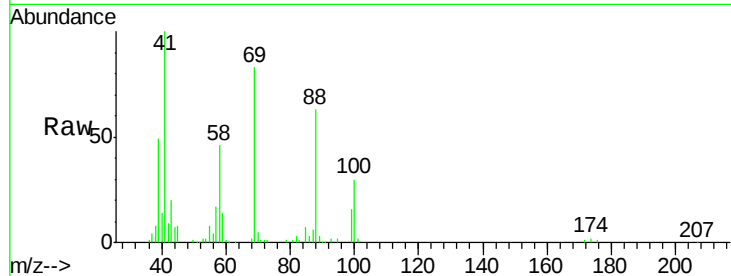
#49
1,4-Dioxane
Concen: 334.379 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.8	24.8	37.2	
58	74.2	59.3	88.9	

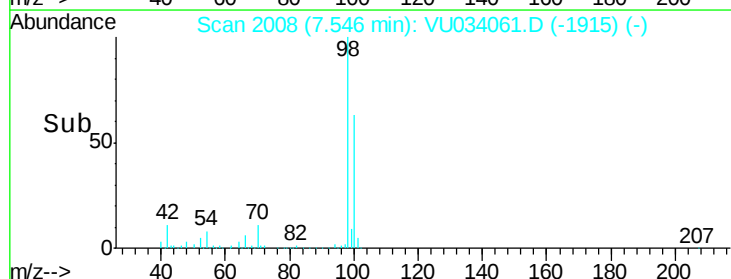
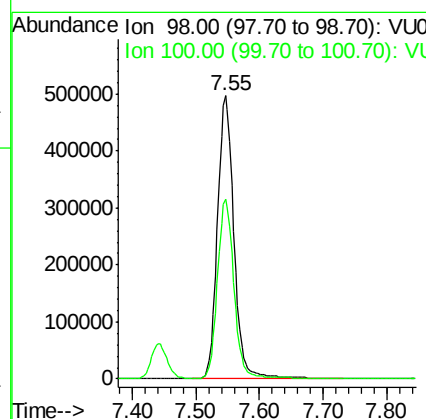
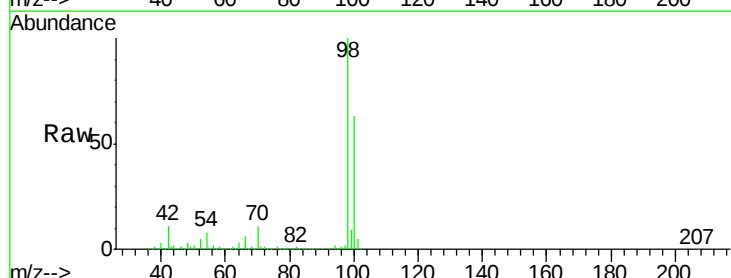
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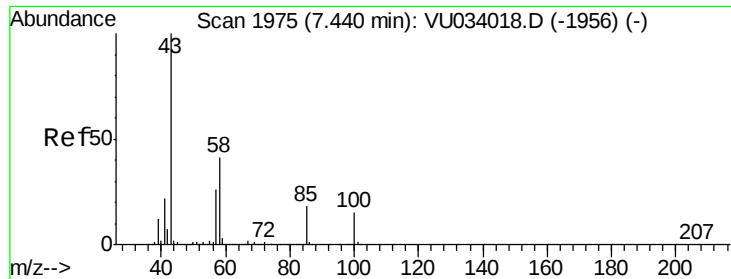
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#50
Toluene-d8
Concen: 50.422 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.3	50.3	75.5	





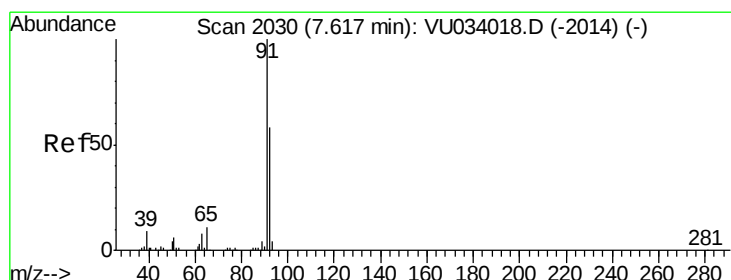
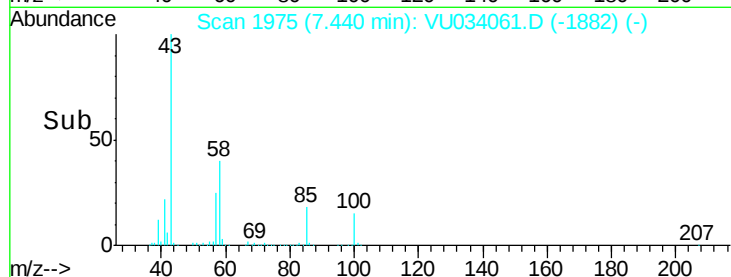
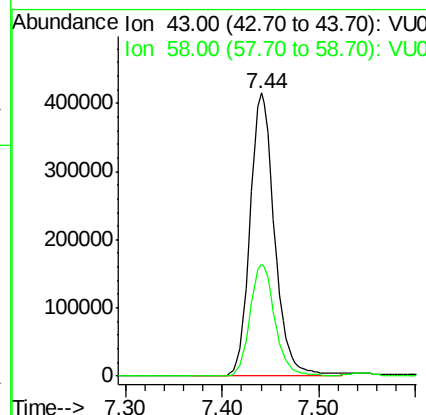
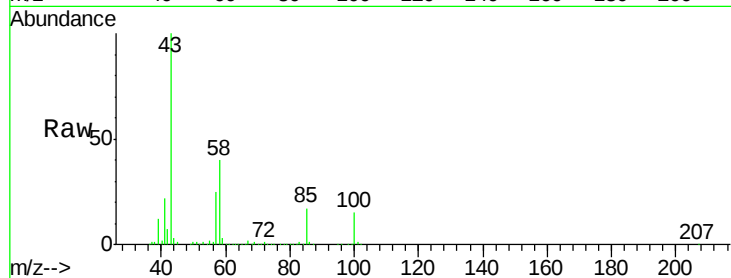
#51
4-Methyl-2-Pentanone
Concen: 95.972 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.4

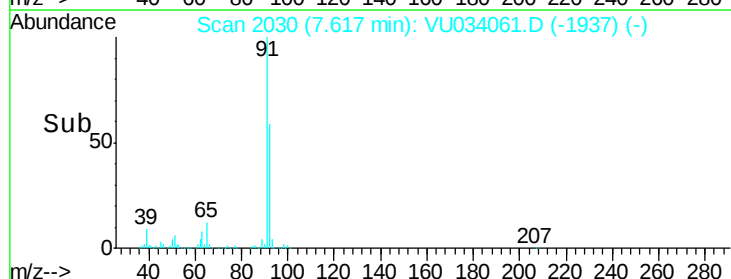
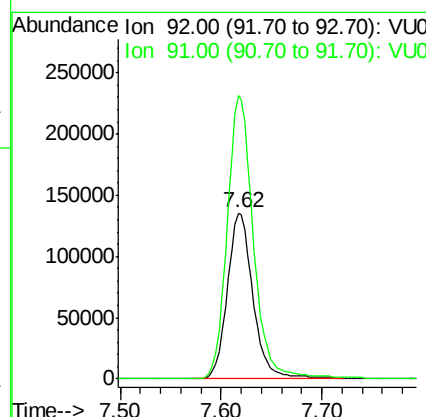
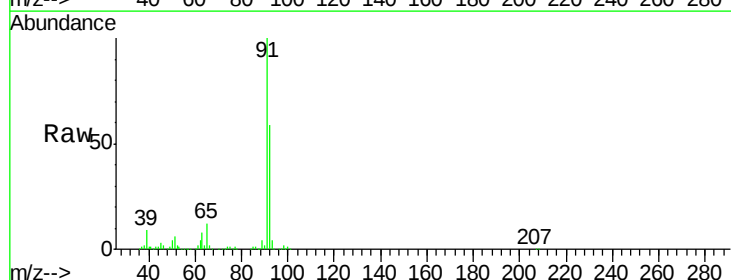
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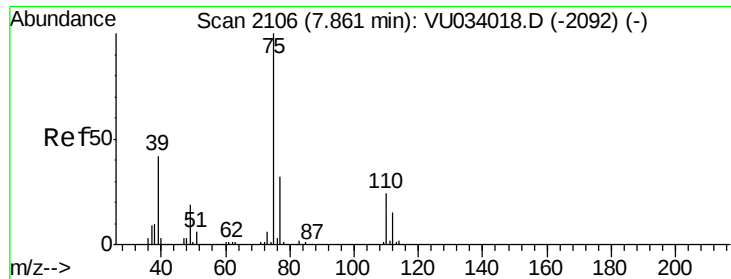
MMDadoda
8/30/2019 12:52:51 PM



#52
Toluene
Concen: 20.043 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 18.107 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tot Ion: 75 Resp: 136208

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

Instrument :

MSVOA_U

ClientSampleId :

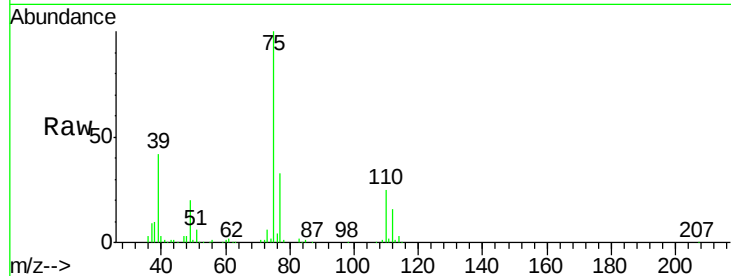
VU0830MBSD01

Manual Integrations

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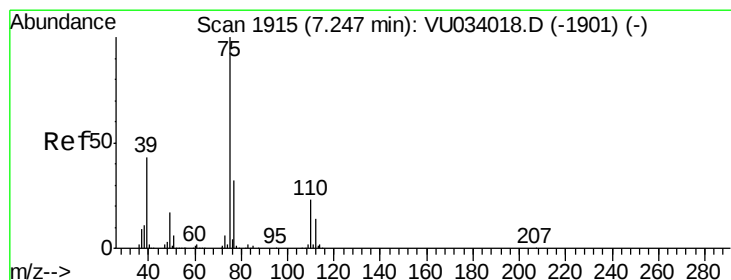
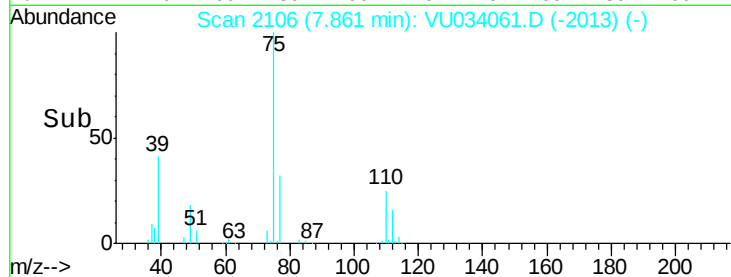
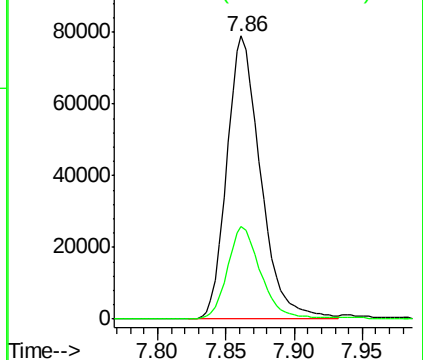
MMDadoda

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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: 19.194 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

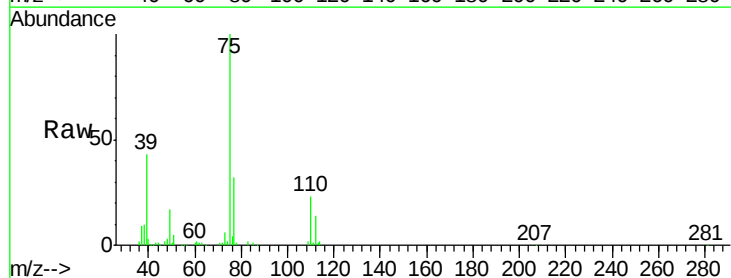
Tgt Ion: 75 Resp: 157736

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

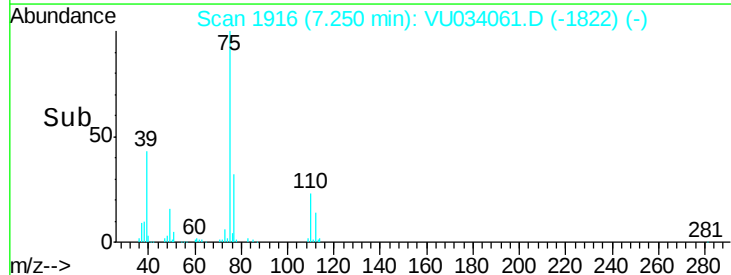
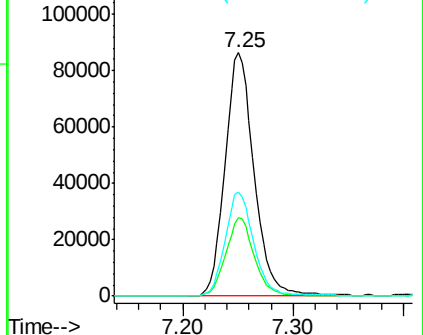
39 42.7 34.6 51.8

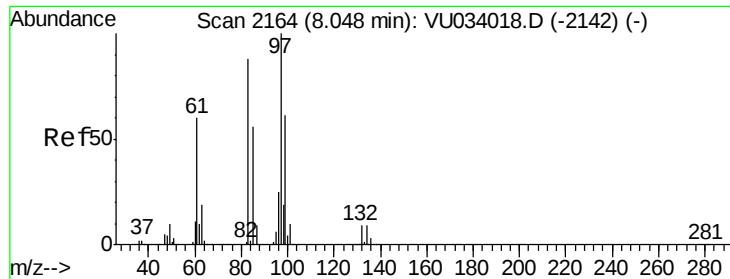


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





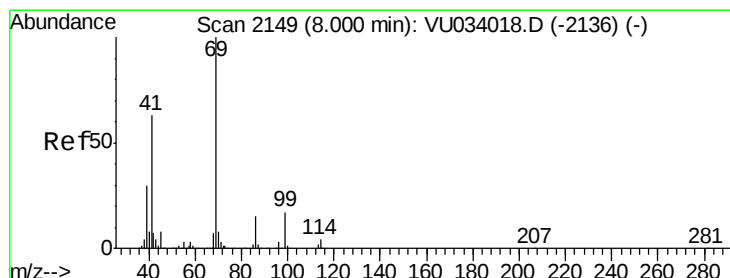
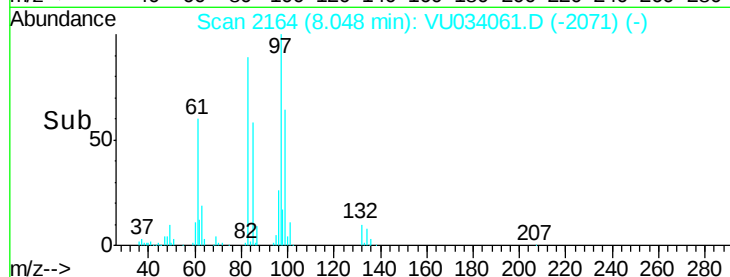
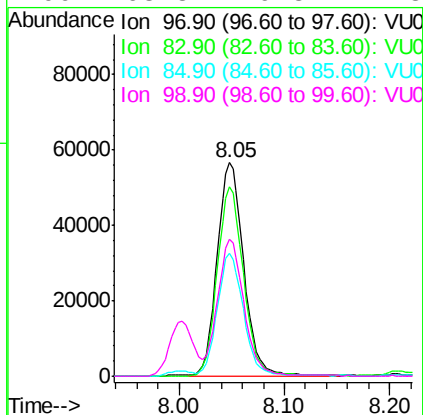
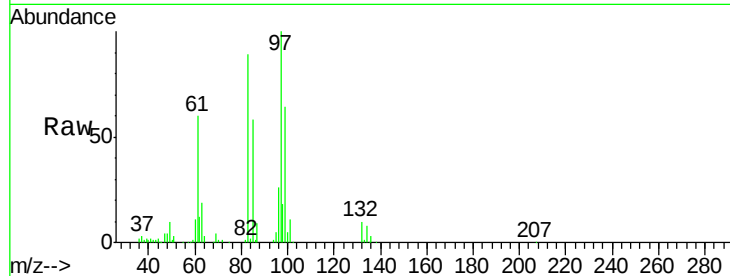
#55
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	97789		
83	83	88.8		70.1	105.1
85	85	57.6		45.0	67.4
99	99	63.8		49.8	74.8

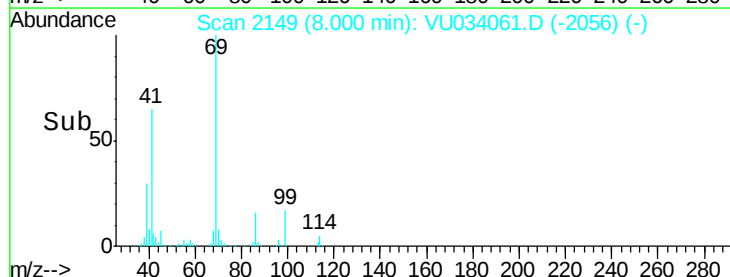
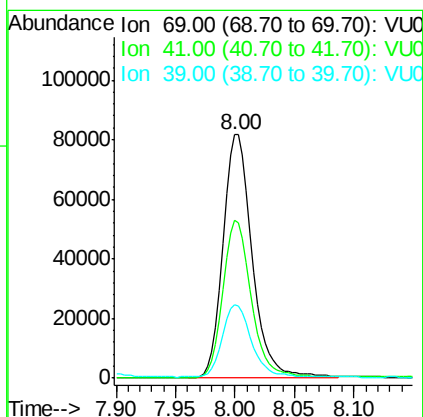
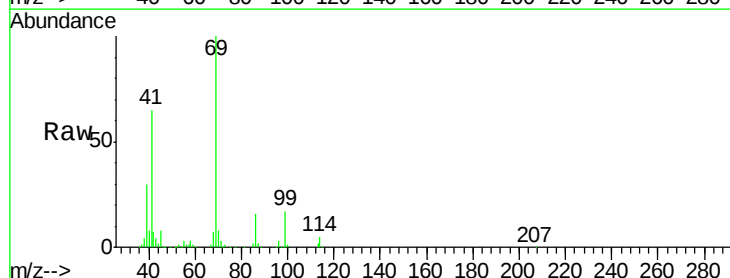
Manual Integrations
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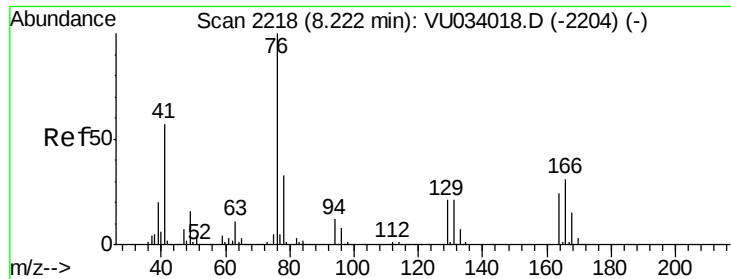
MMDadoda
 8/30/2019 12:52:51 PM



#56
 Ethyl methacrylate
 Concen: 17.190 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	139671		
41	41	63.5		50.7	76.1
39	39	29.4		24.2	36.2





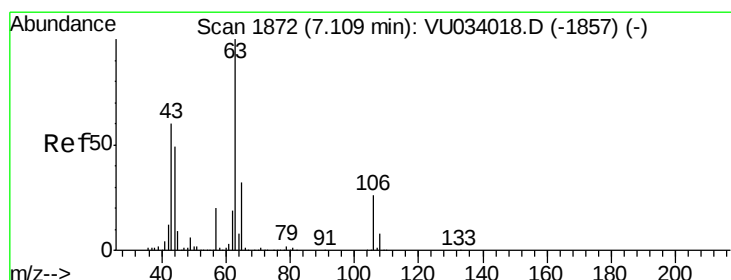
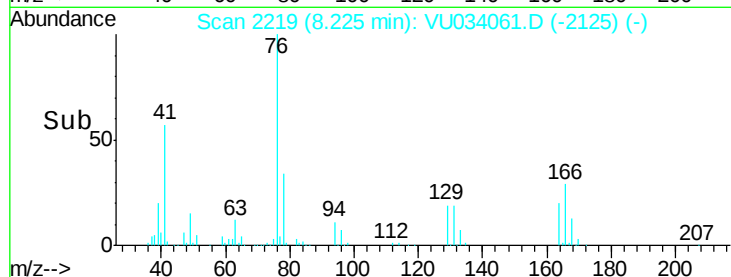
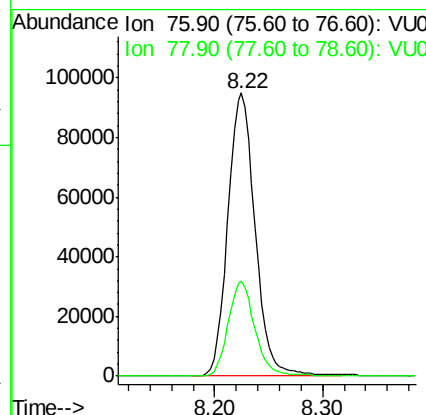
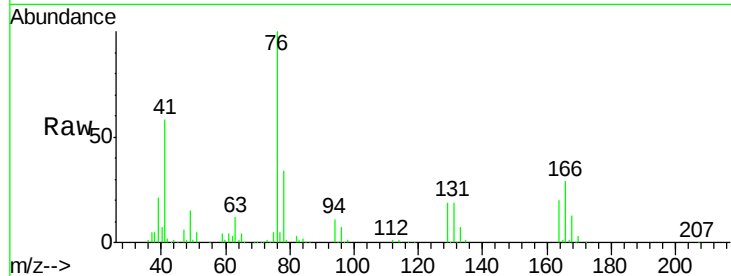
#57
 1,3-Dichloropropane
 Concen: 19.355 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0830MBSD01

Tot Ion: 76 Resp: 167311
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4

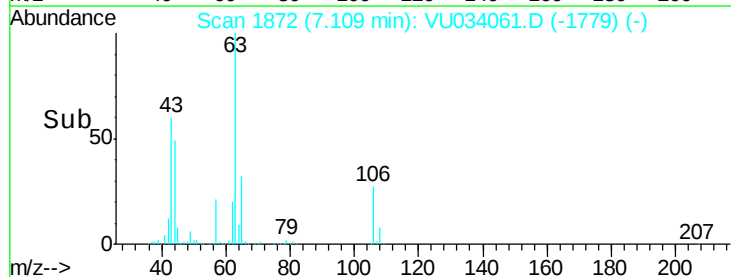
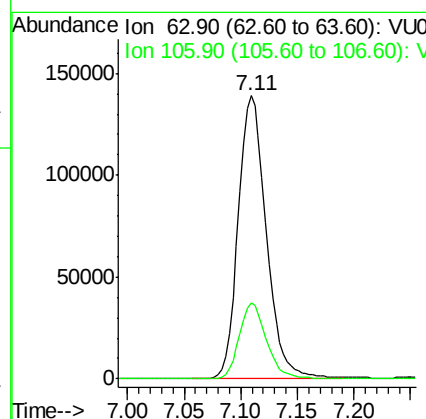
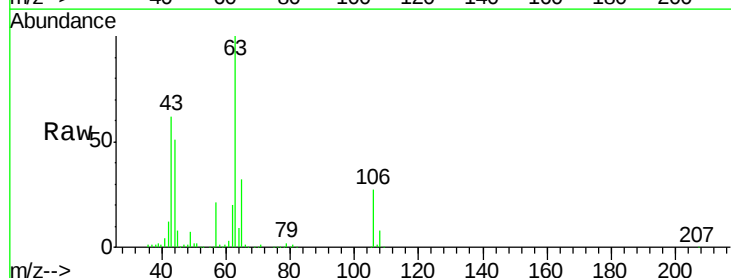
Manual Integrations
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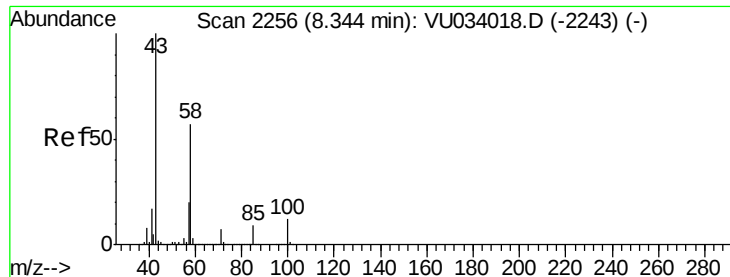
MMDadoda
 8/30/2019 12:52:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.673 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion: 63 Resp: 241300
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.7 31.1





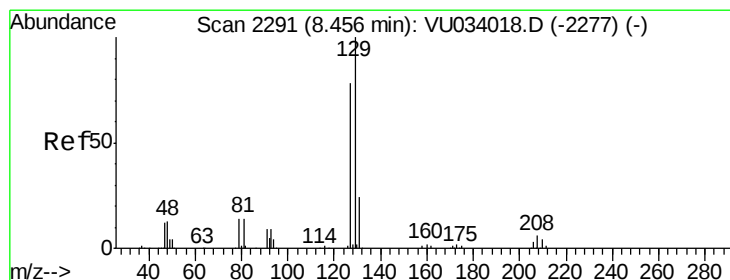
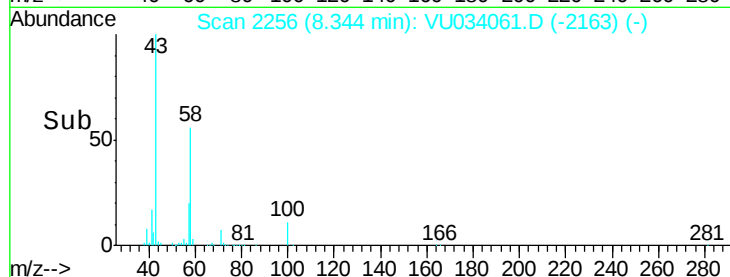
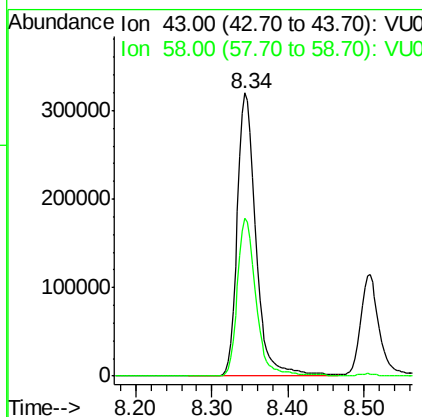
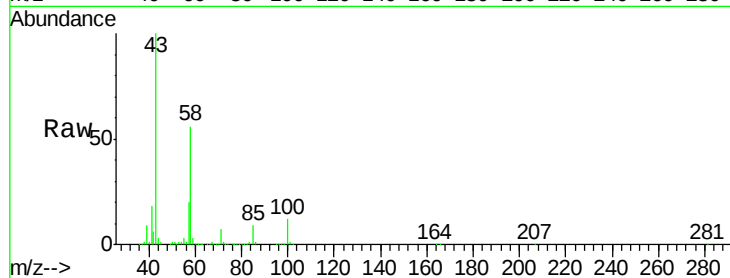
#59
2-Hexanone
Concen: 94.579 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampled :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.4	85.3

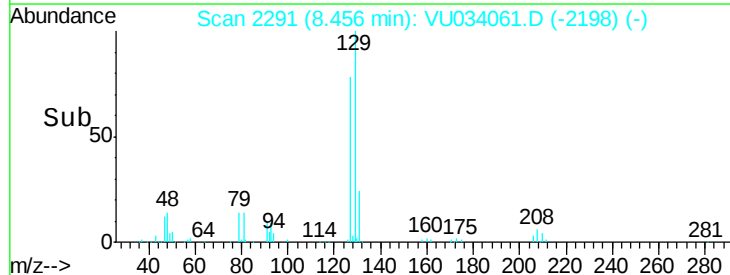
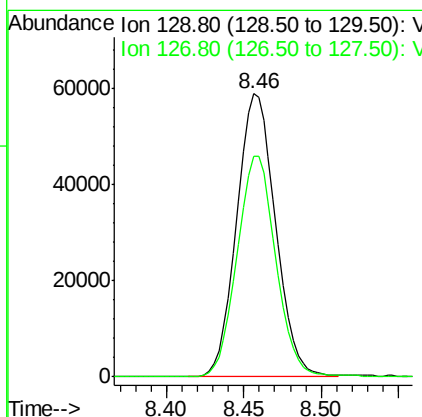
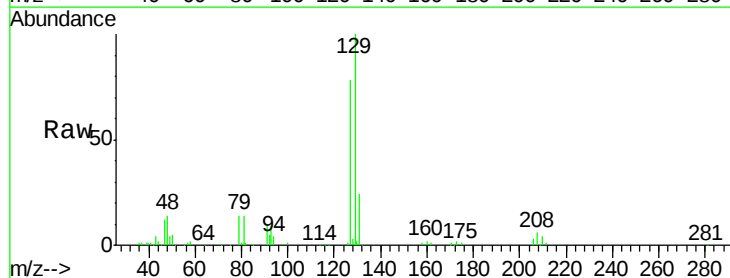
Manual Integrations
APPROVED

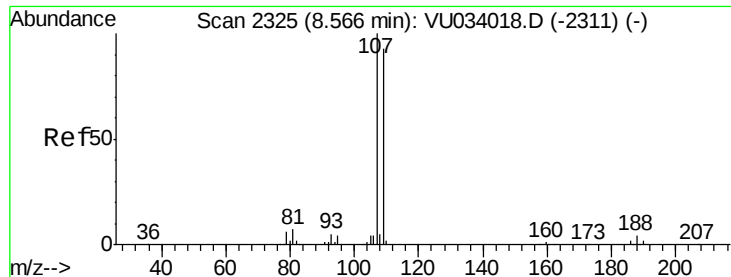
MMDadoda
8/30/2019 12:52:51 PM



#60
Dibromochloromethane
Concen: 18.811 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.923 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 107 Resp: 101481

Ion Ratio Lower Upper

107 100

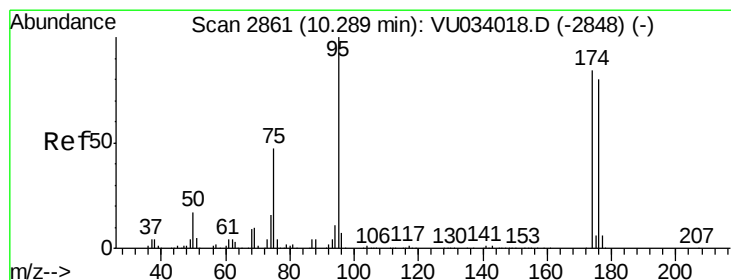
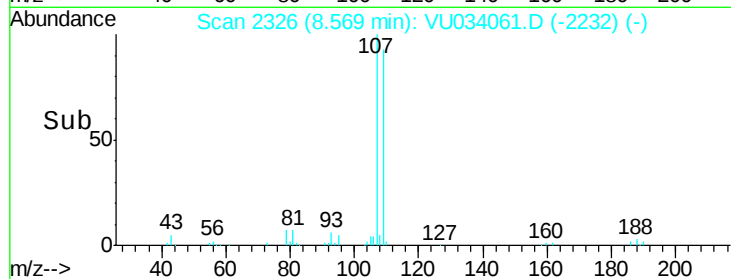
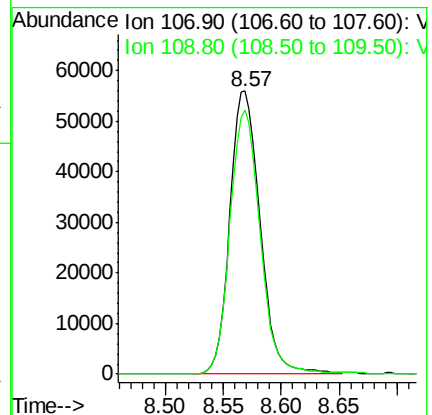
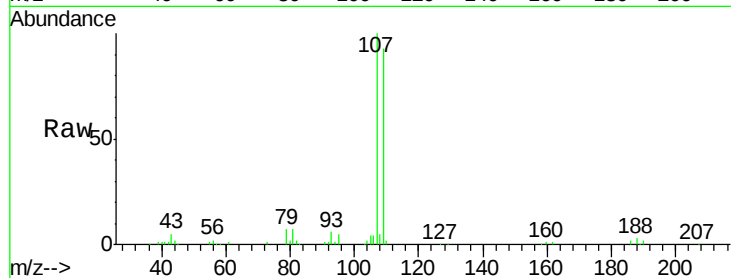
109 92.9 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.406 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

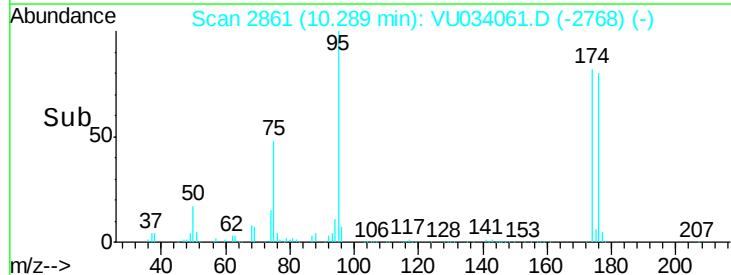
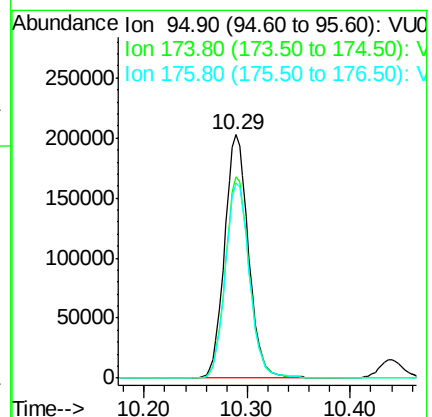
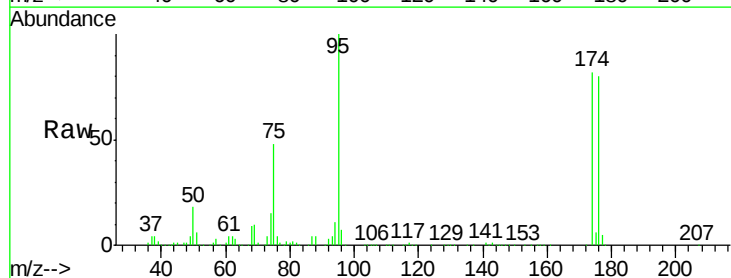
Tgt Ion: 95 Resp: 326967

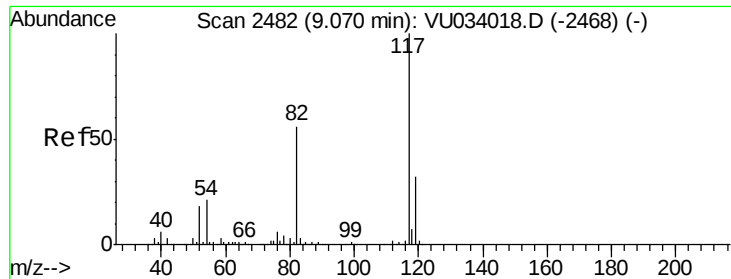
Ion Ratio Lower Upper

95 100

174 82.9 0.0 168.8

176 80.8 0.0 161.8





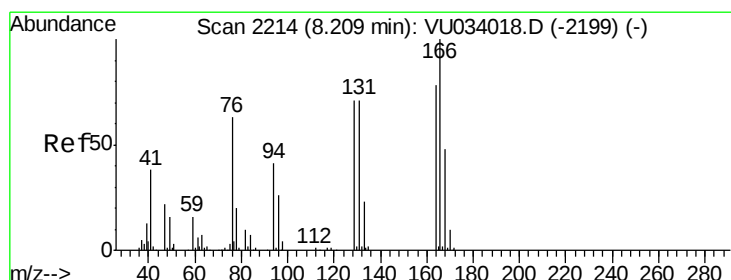
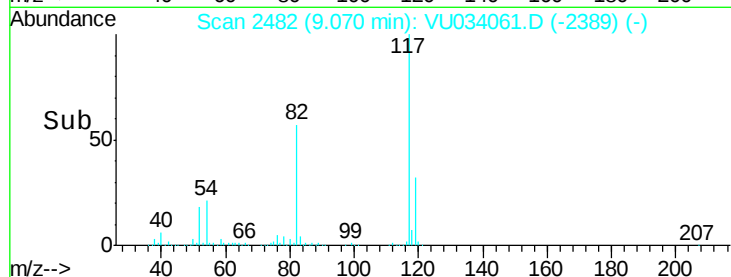
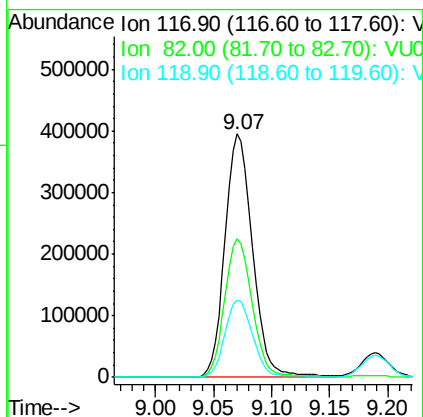
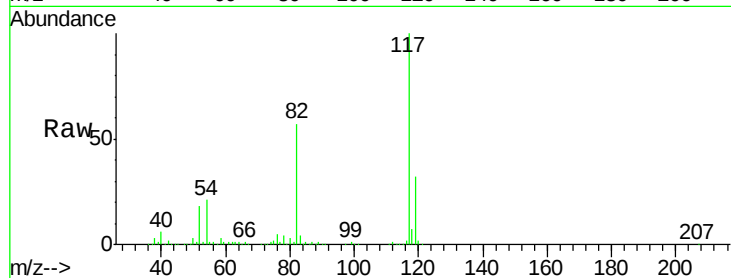
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.1	67.7
119	31.9	25.4	38.0

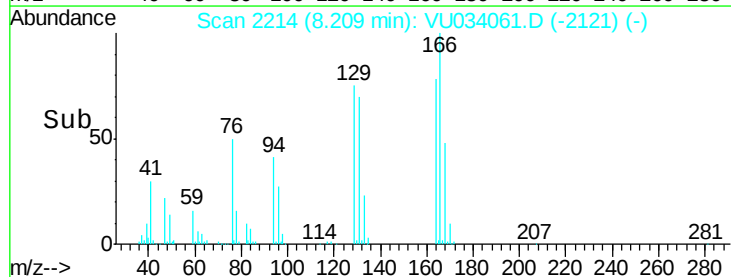
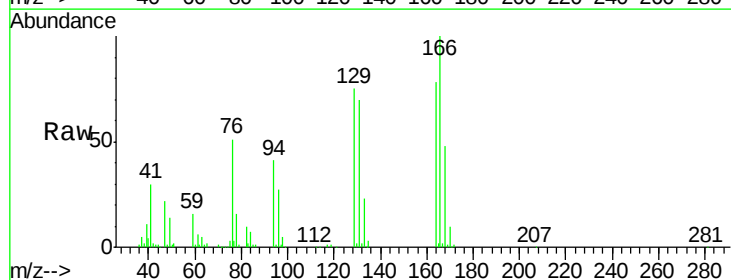
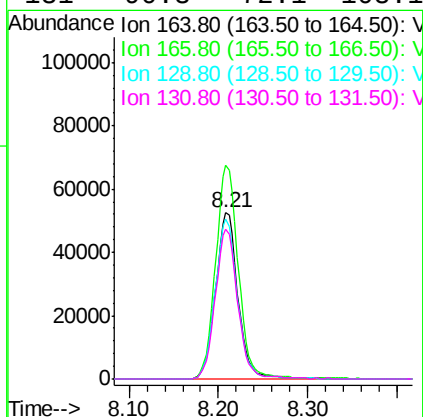
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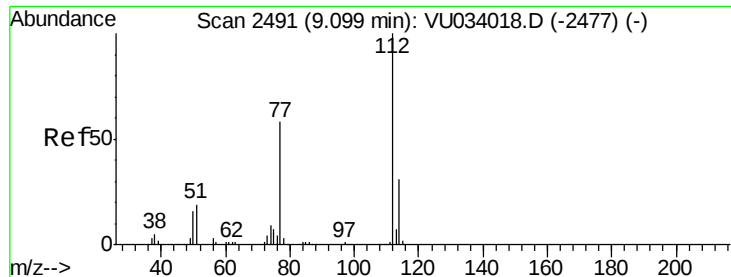
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#64
Tetrachloroethene
Concen: 20.930 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.2	153.2
129	96.2	72.4	108.6
131	90.3	72.1	108.1





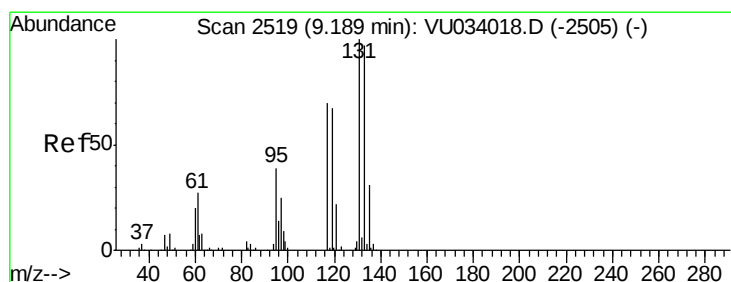
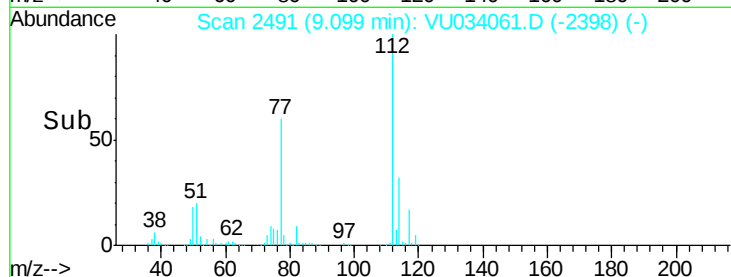
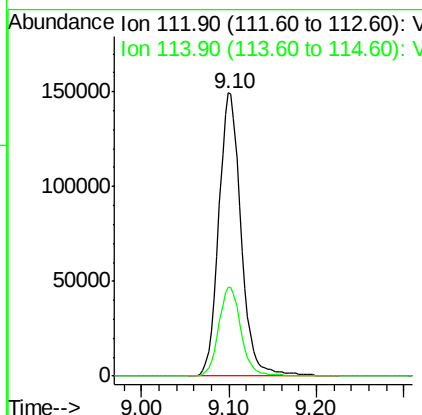
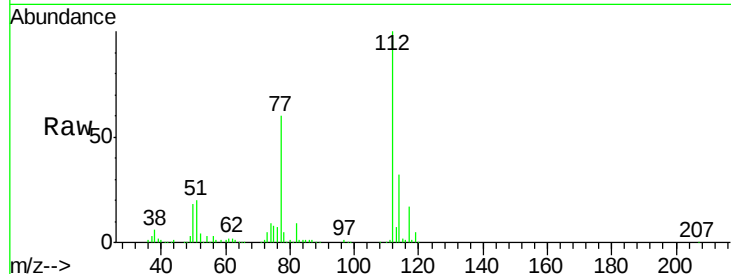
#65
Chlorobenzene
Concen: 19.729 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion:112 Resp: 264388
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4

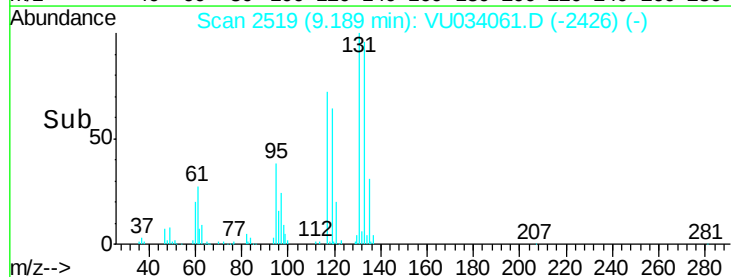
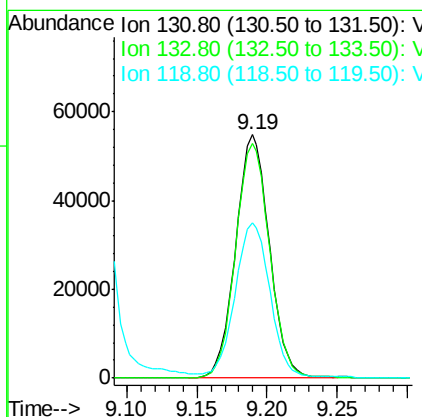
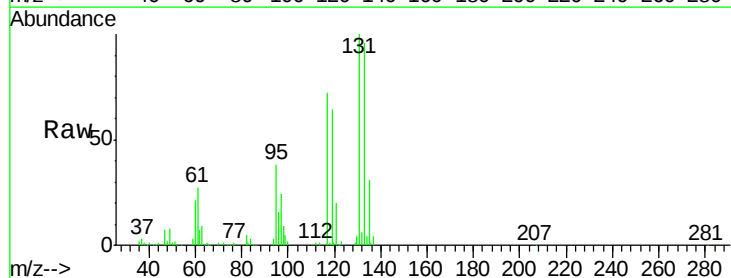
Manual Integrations
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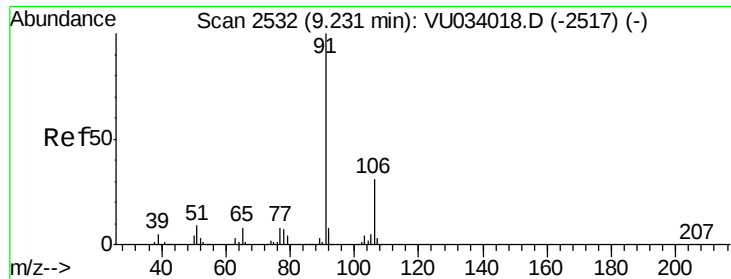
MMDadoda
8/30/2019 12:52:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.930 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion:131 Resp: 91991
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.2
119 65.2 33.6 100.6





#67

Ethyl Benzene

Concen: 19.617 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tot Ion: 91 Resp: 445647

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3

Instrument :

MSVOA_U

ClientSampleId :

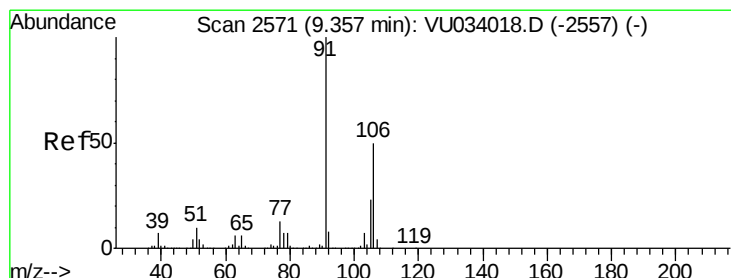
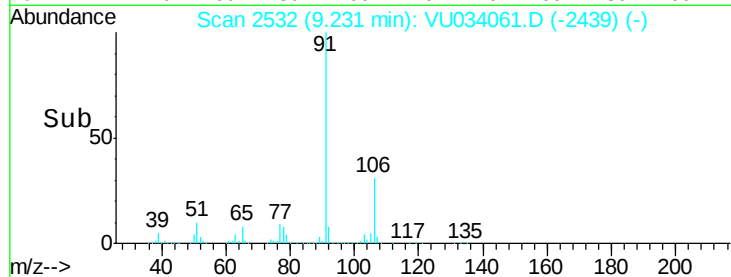
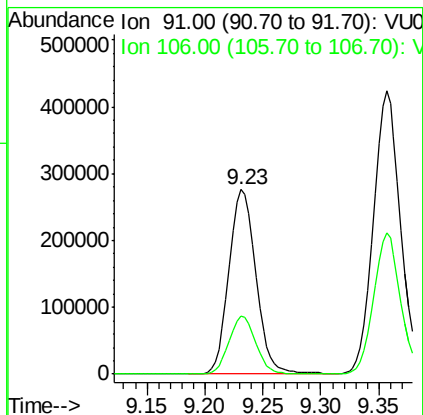
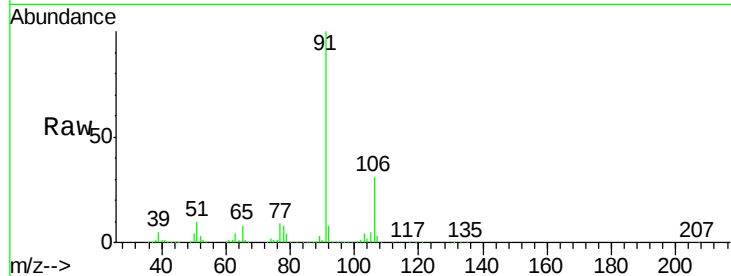
VU0830MBSD01

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.882 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034061.D

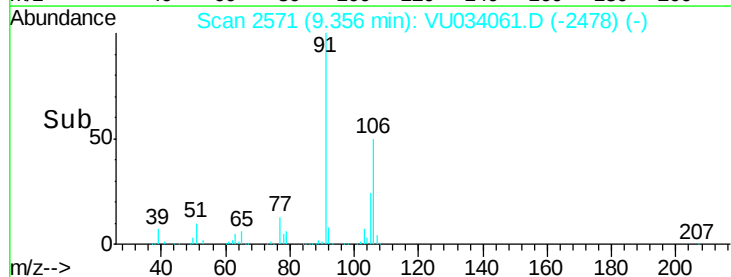
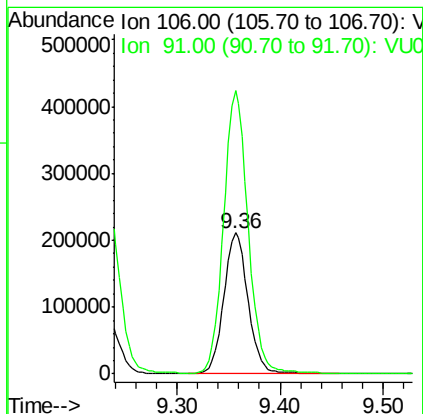
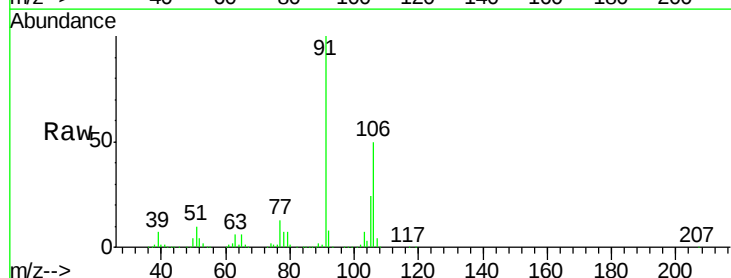
Acq: 29 Aug 2019 14:54

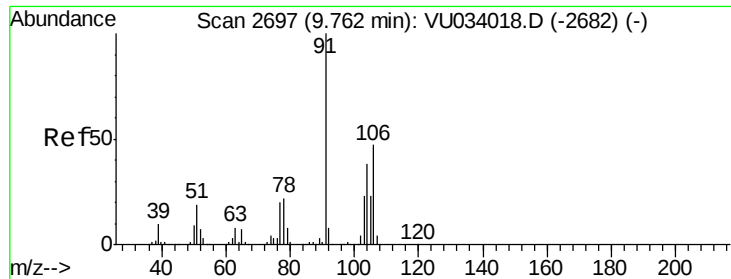
Tgt Ion: 106 Resp: 344496

Ion Ratio Lower Upper

106 100

91 203.2 161.6 242.4





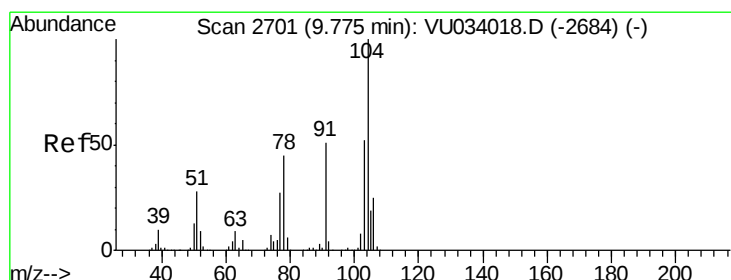
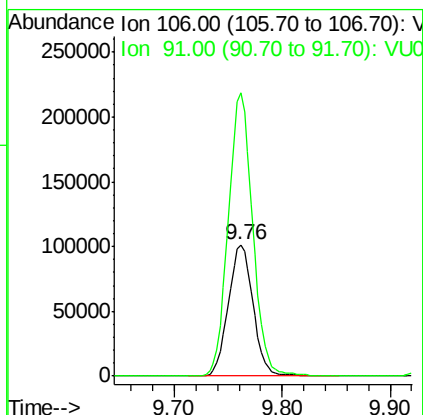
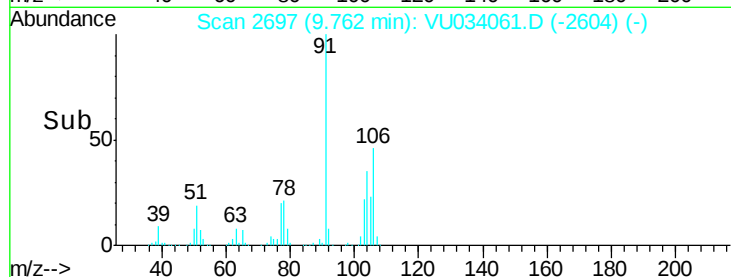
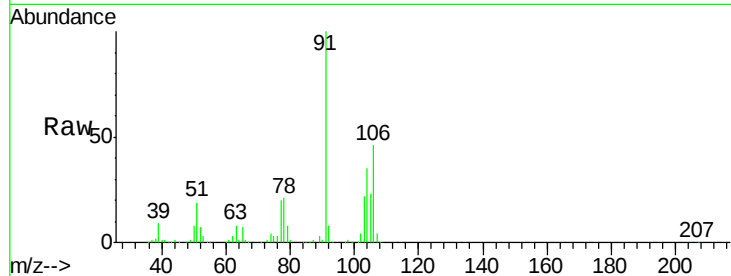
#69
o-Xylene
Concen: 19.629 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleID :
VU0830MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		162663		
91	213.2	106.0	318.0		

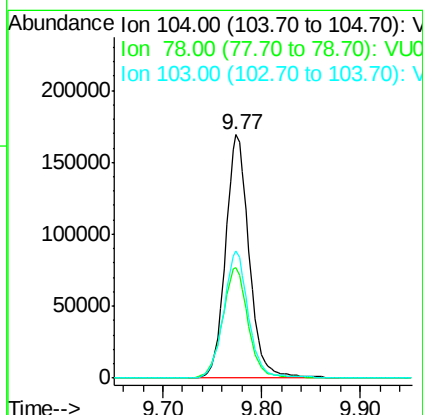
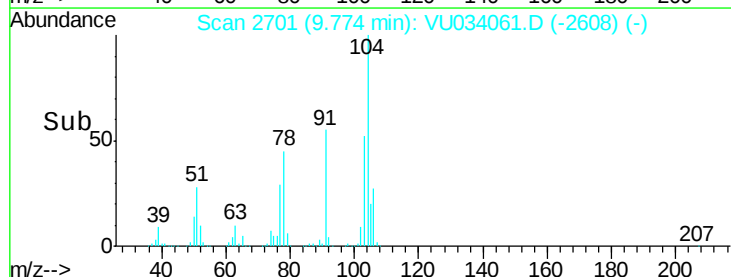
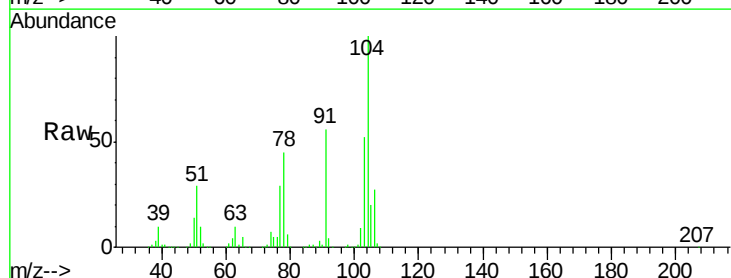
Manual Integrations
APPROVED

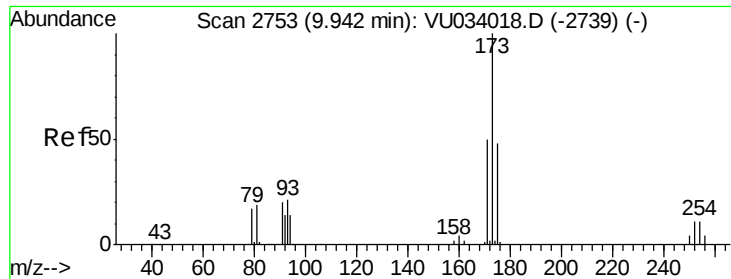
MMDadoda
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#70
Styrene
Concen: 20.015 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		284400		
78	49.2	39.0	58.4		
103	55.1	44.0	66.0		





#71

Bromoform

Concen: 18.156 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion:173 Resp: 76657

Ion Ratio Lower Upper

173 100

175 50.6 24.6 73.6

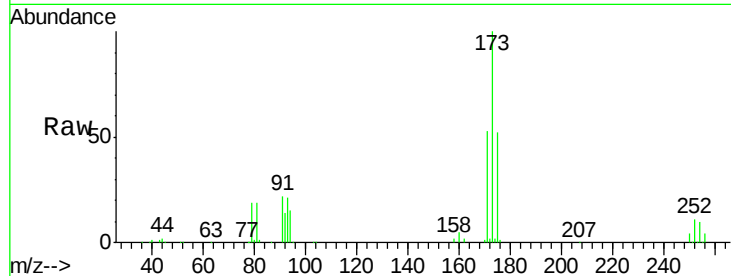
254 0.1 0.0 0.0#

Manual Integrations

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MMDadoda

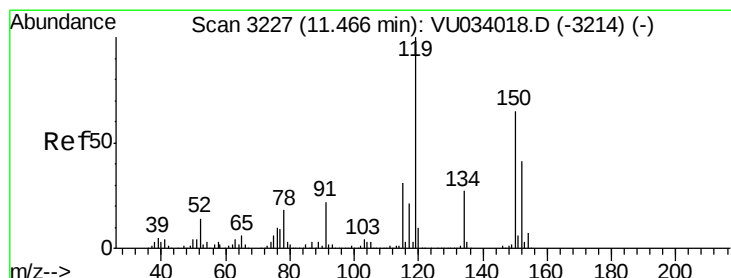
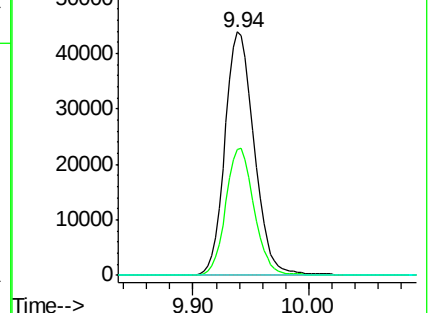
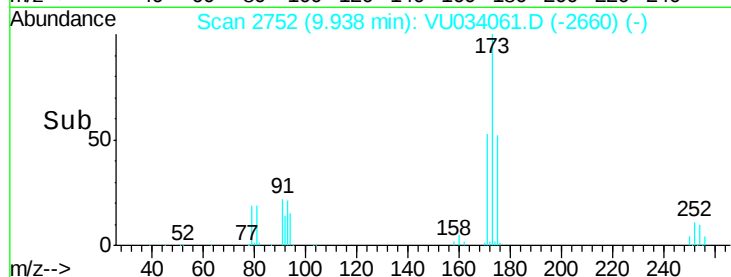
8/30/2019 12:52:51 PM



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: VU034061.D

Acq: 29 Aug 2019 14:54

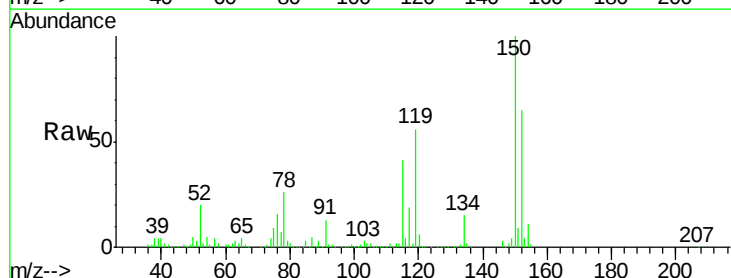
Tgt Ion:152 Resp: 350275

Ion Ratio Lower Upper

152 100

115 65.8 41.1 123.3

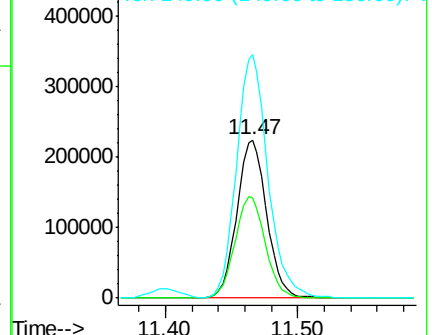
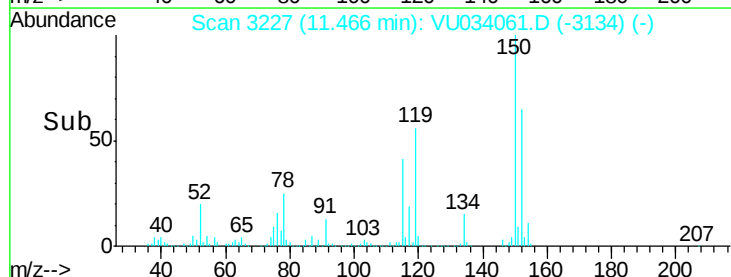
150 162.1 0.0 348.8

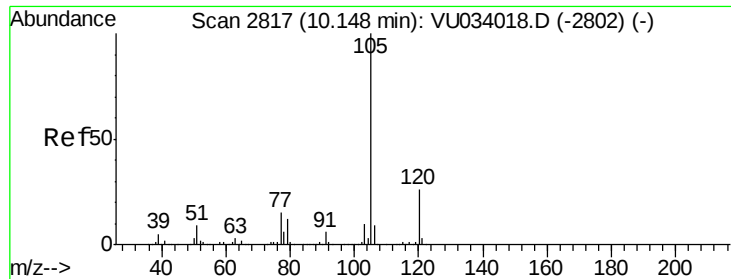


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.832 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion:105 Resp: 443083

Ion Ratio Lower Upper

105 100

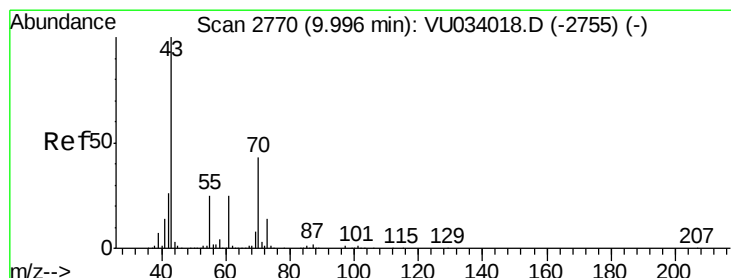
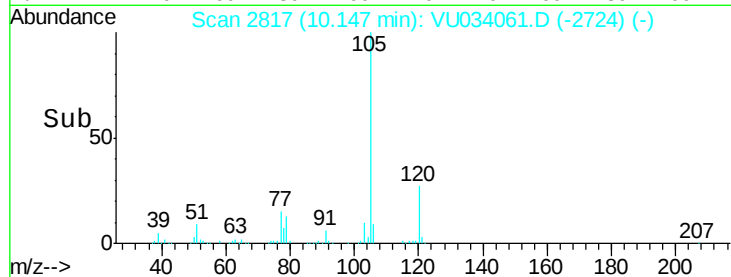
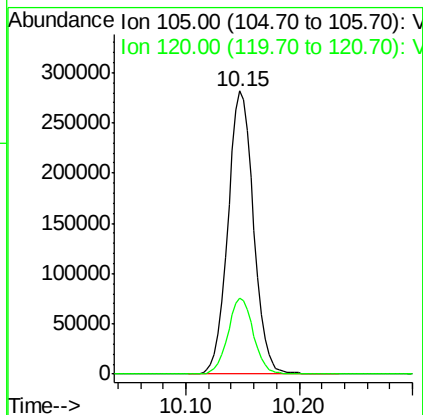
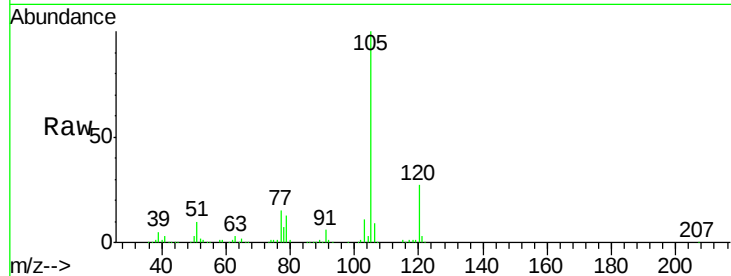
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.056 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion: 43 Resp: 178678

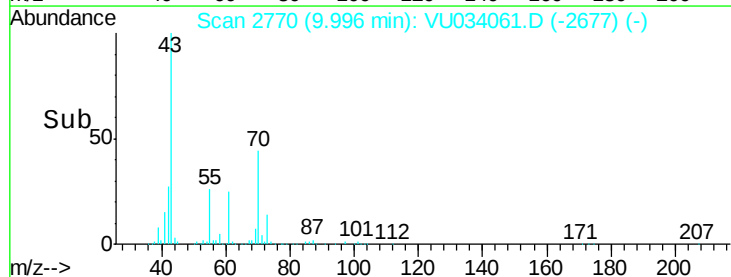
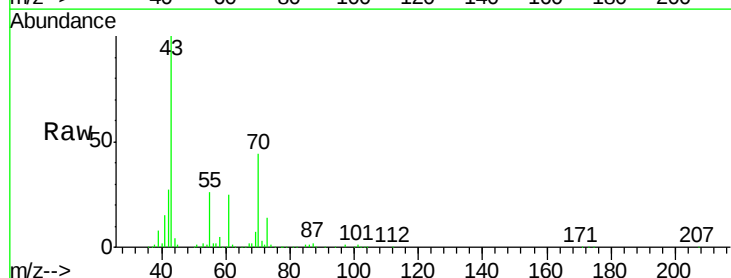
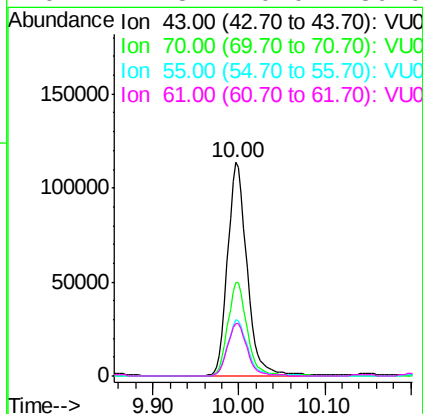
Ion Ratio Lower Upper

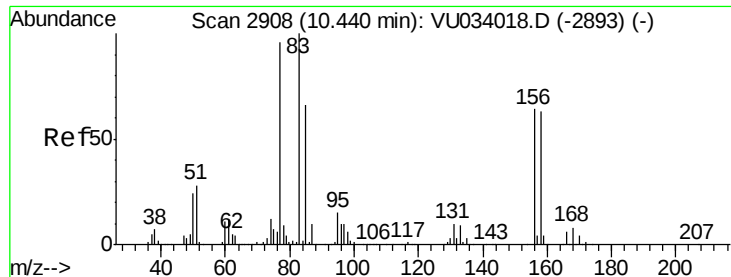
43 100

70 44.0 35.2 52.8

55 27.0 20.5 30.7

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.421 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

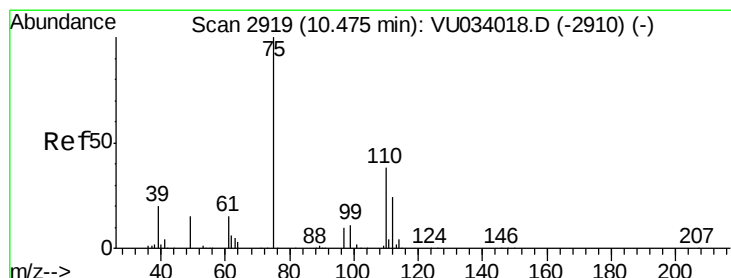
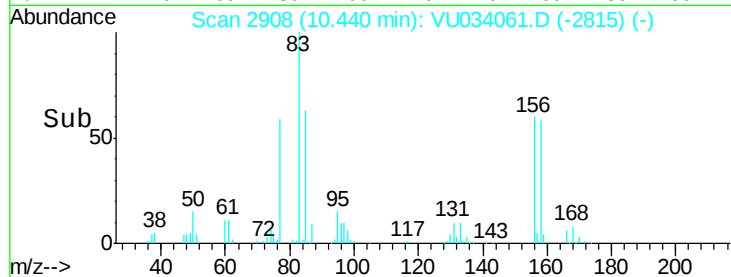
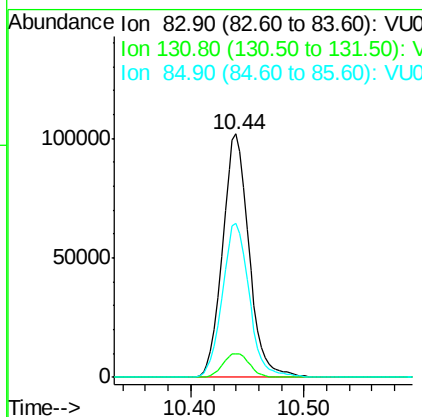
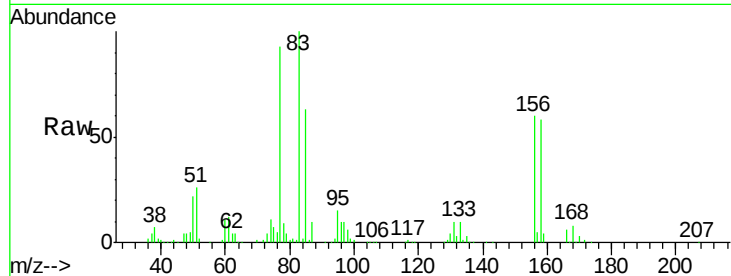
ClientSampled :

VU0830MBSD01

Tot Ion:	83	Resp:	165884
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.5	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.770 ug/l m

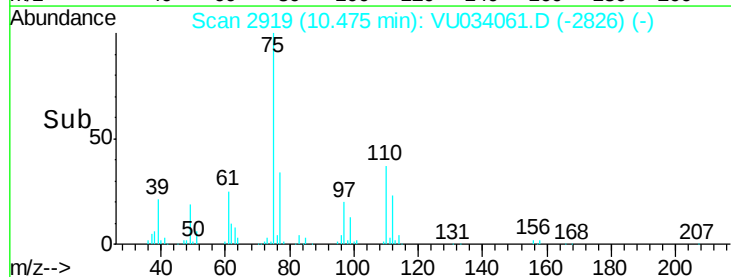
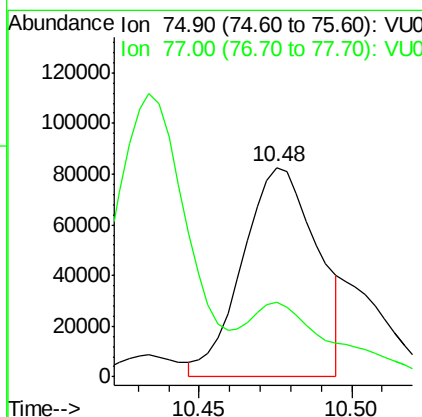
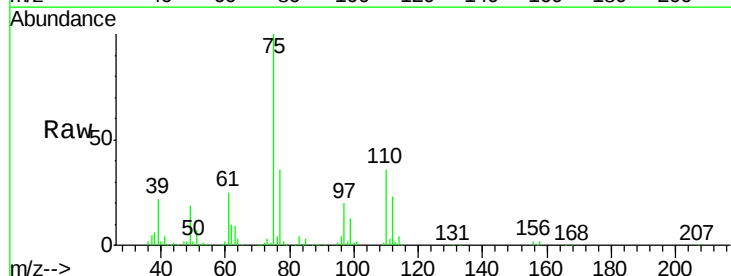
RT: 10.48 min Scan# 2919

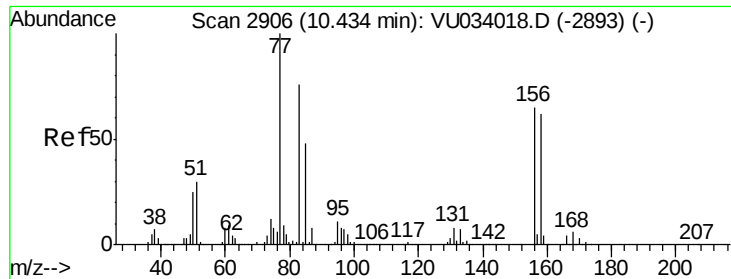
Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion:	75	Resp:	140283
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.1	60.2





#77

Bromobenzene

Concen: 18.558 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

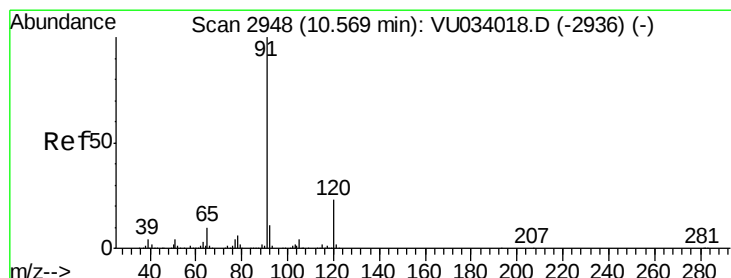
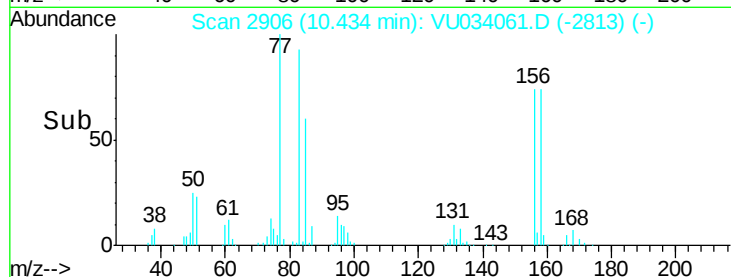
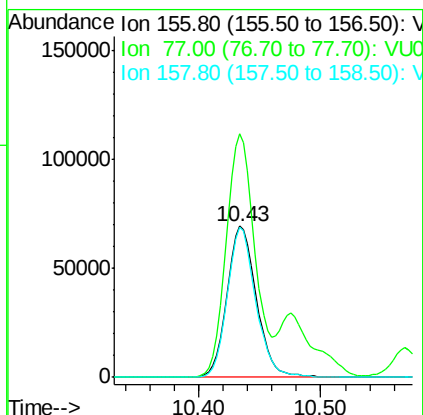
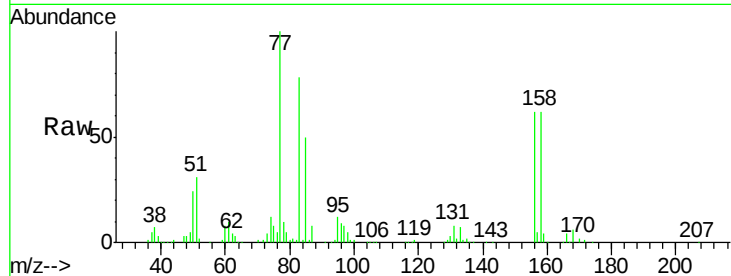
ClientSampleId :

VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.6	76.8	230.5
158	95.8	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 19.139 ug/l

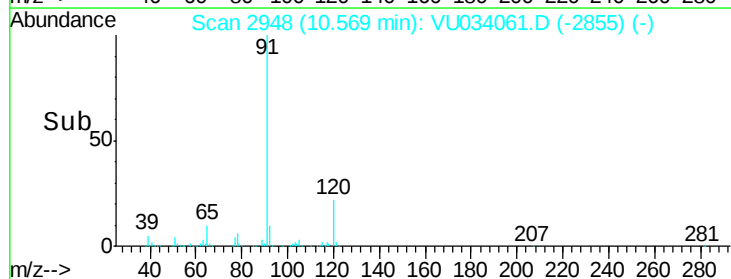
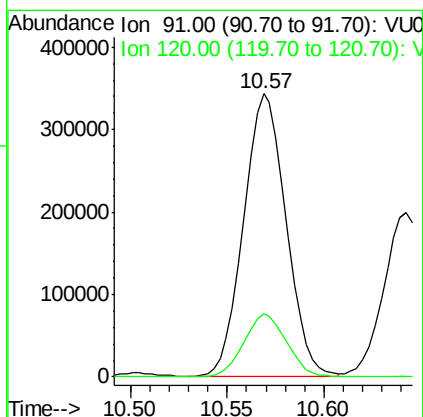
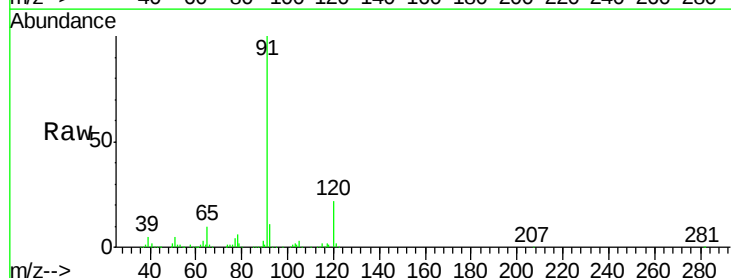
RT: 10.57 min Scan# 2948

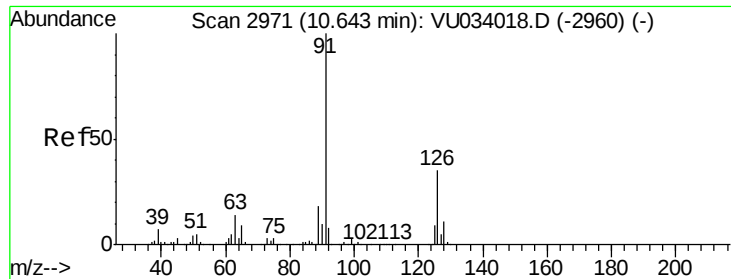
Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.199 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion: 91 Resp: 315541

Ion Ratio Lower Upper

91 100

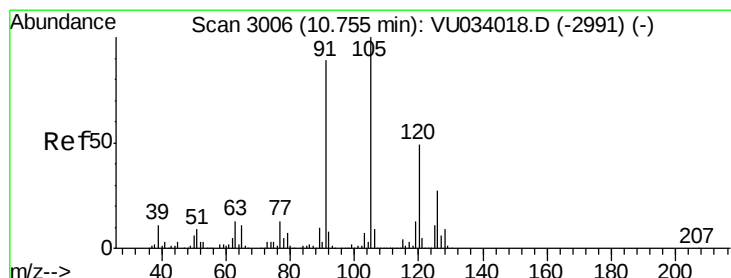
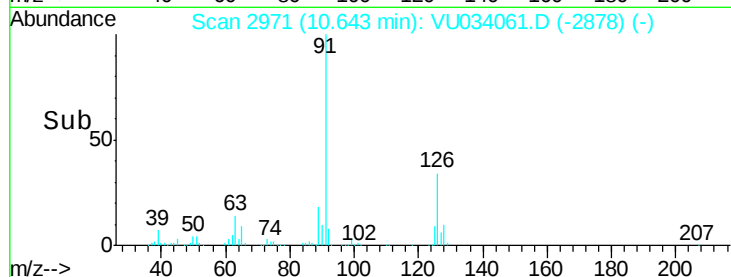
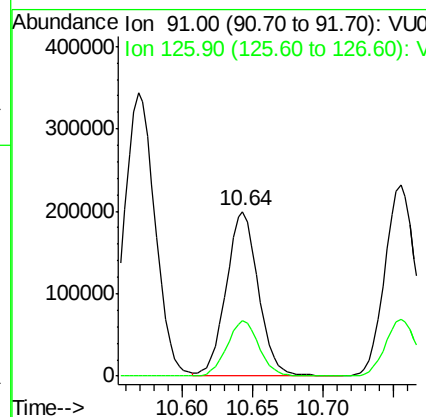
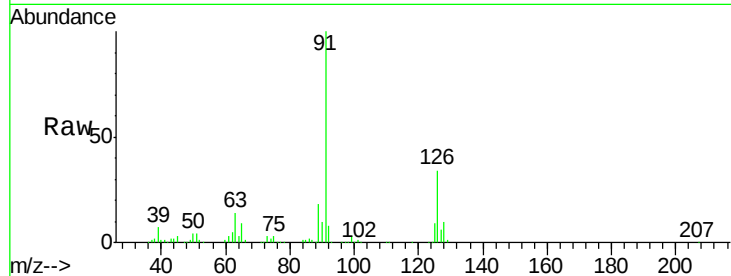
126 33.9 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.509 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034061.D

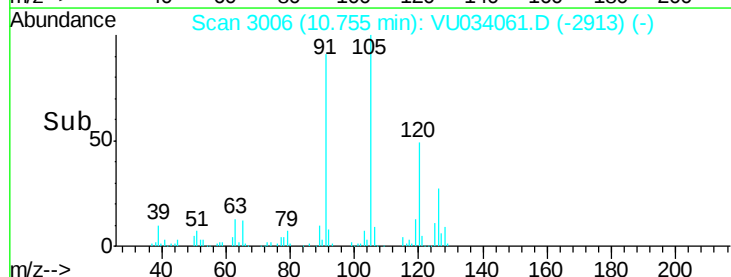
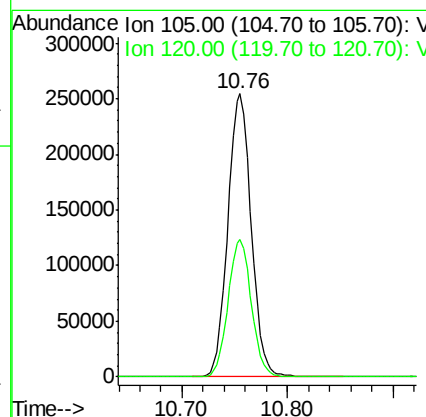
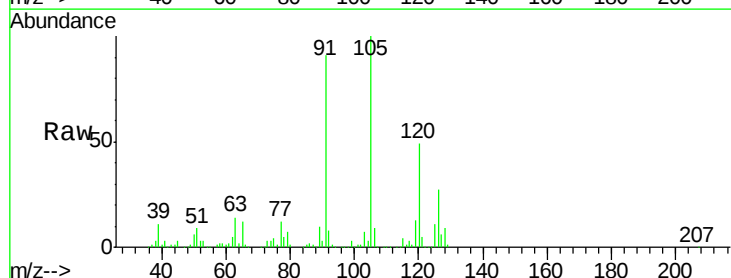
Acq: 29 Aug 2019 14:54

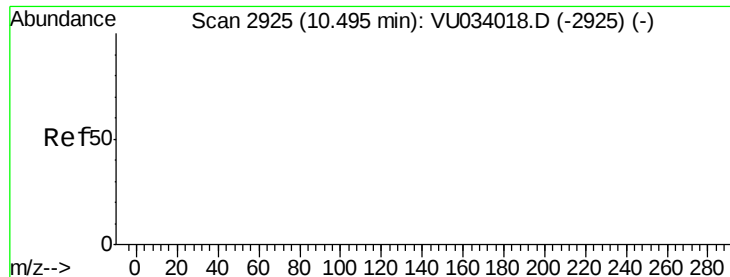
Tgt Ion: 105 Resp: 389032

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.6





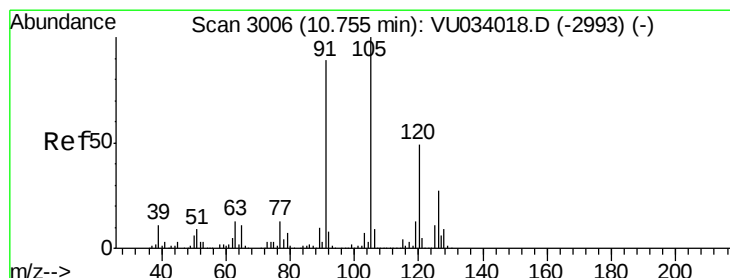
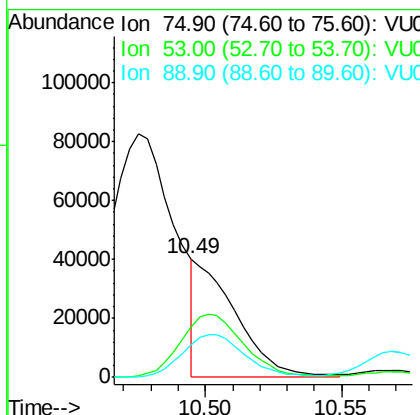
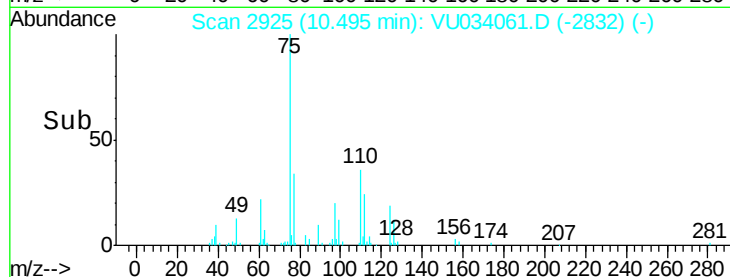
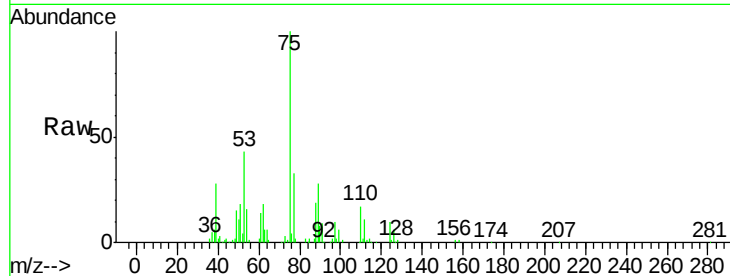
#81
trans-1,4-Dichloro-2-butene
Concen: 17.535 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

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

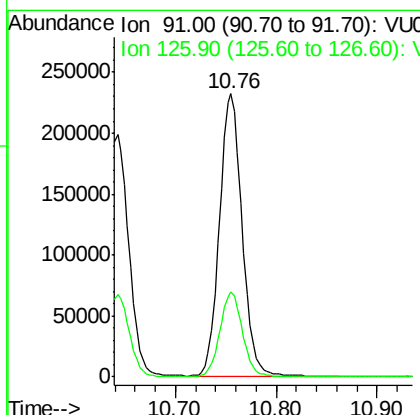
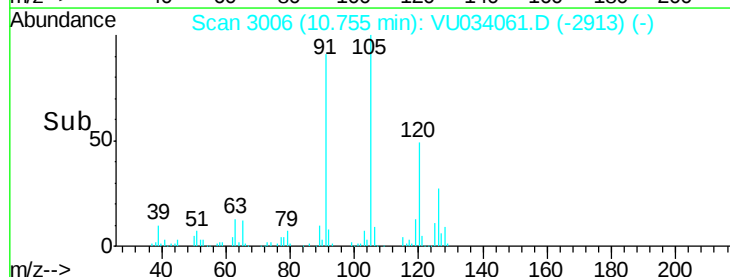
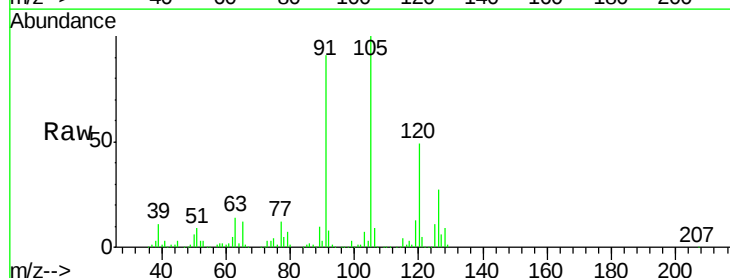
Manual Integrations
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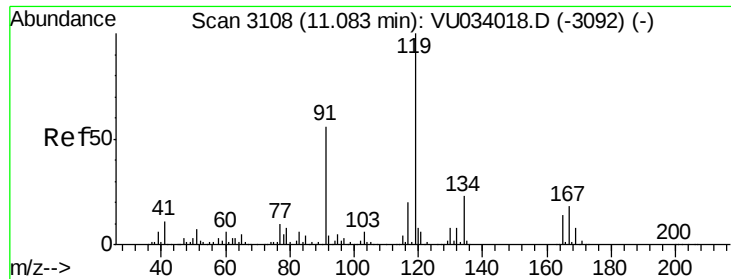
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#82
4-Chlorotoluene
Concen: 19.211 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.0	45.1





#83

tert-Butylbenzene

Concen: 18.233 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

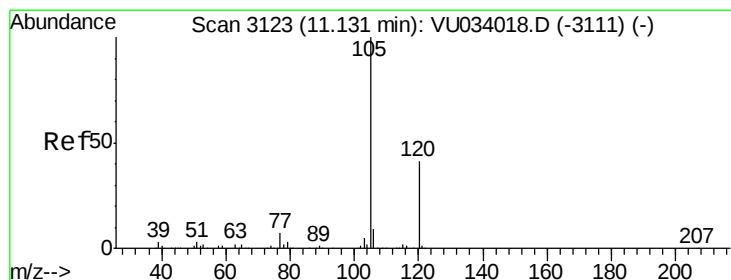
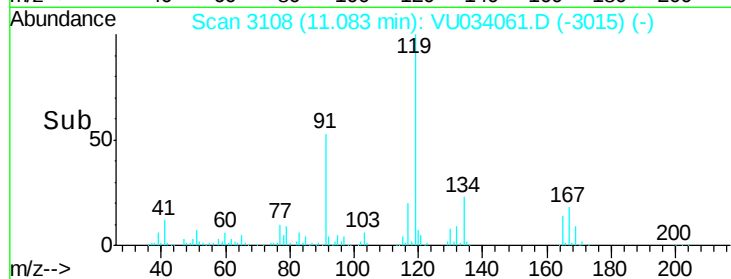
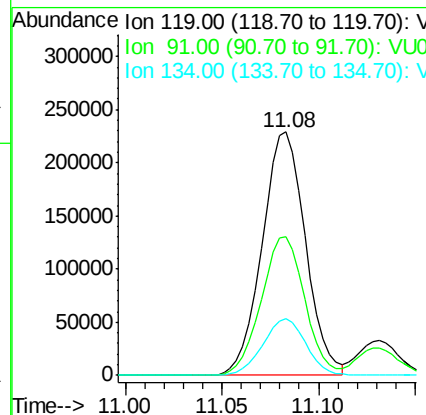
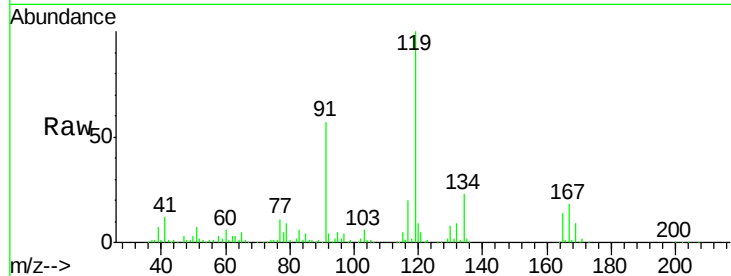
ClientSampleId :

VU0830MBSD01

Tot Ion	119	Resp	357929
Ion Ratio	Lower	Upper	
119	100		
91	57.1	27.9	83.6
134	23.1	11.4	34.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.745 ug/l

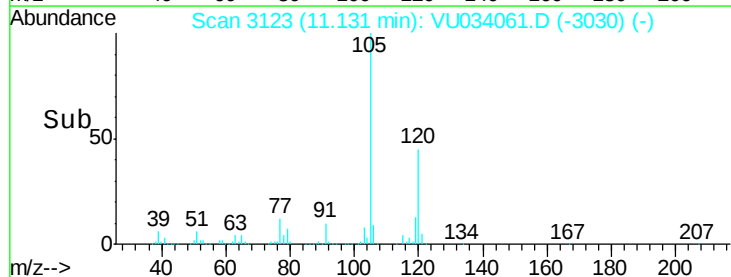
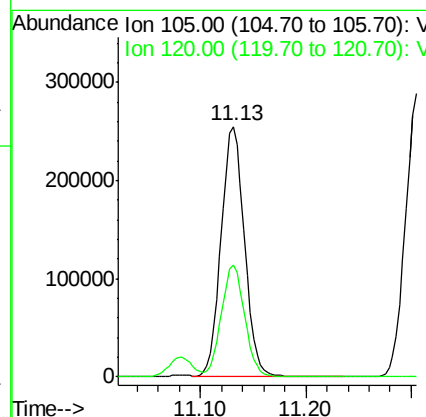
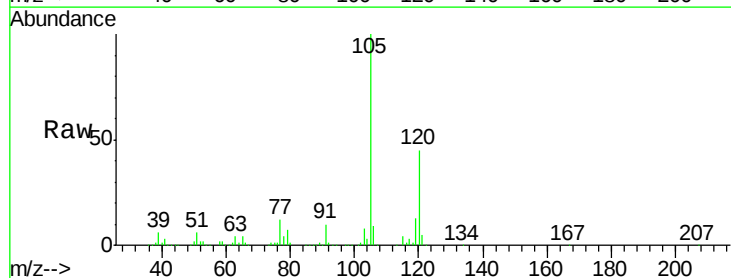
RT: 11.13 min Scan# 3123

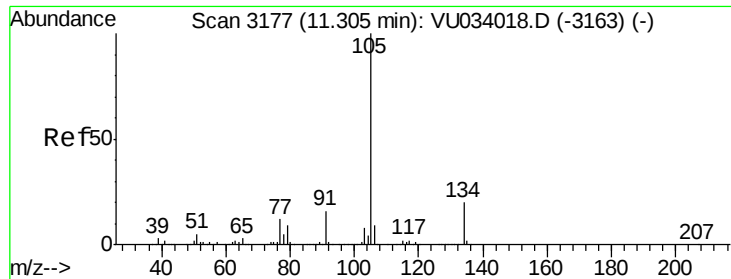
Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion	105	Resp	390977
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 18.782 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBSD01

Tot Ion:105 Resp: 441902

Ion Ratio Lower Upper

105 100

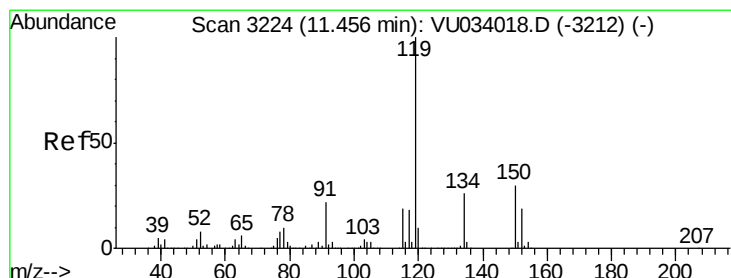
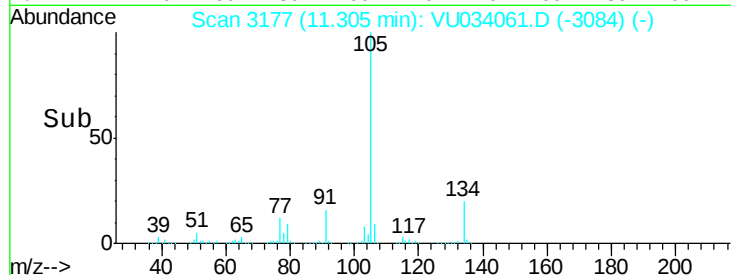
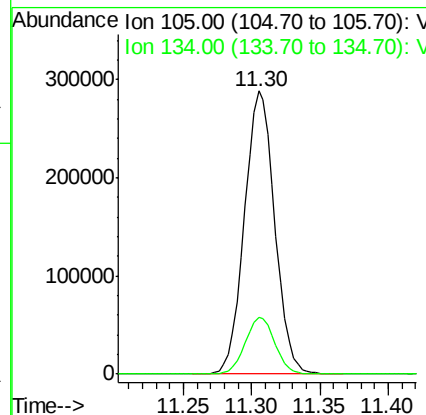
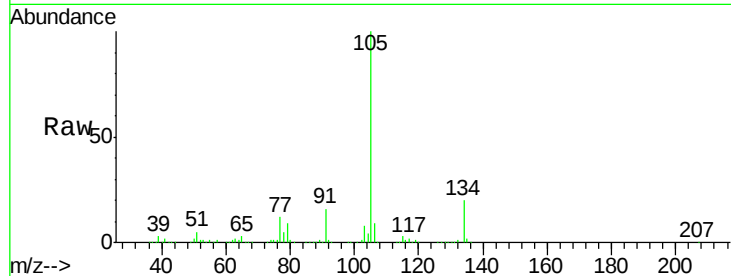
134 19.7 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.242 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

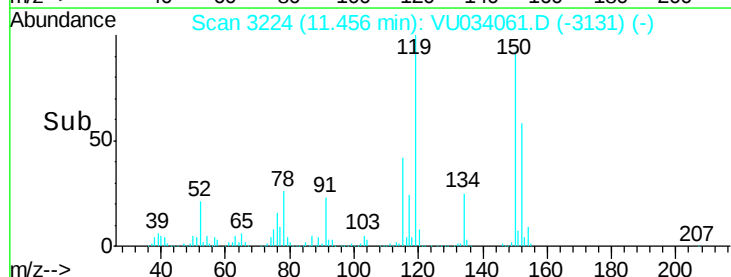
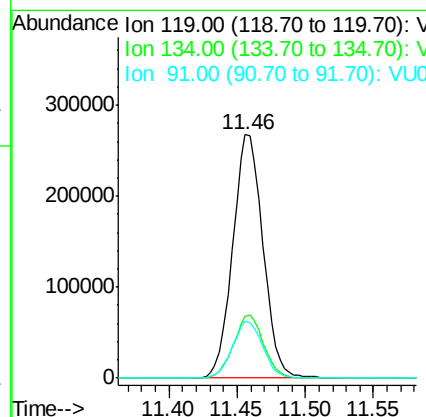
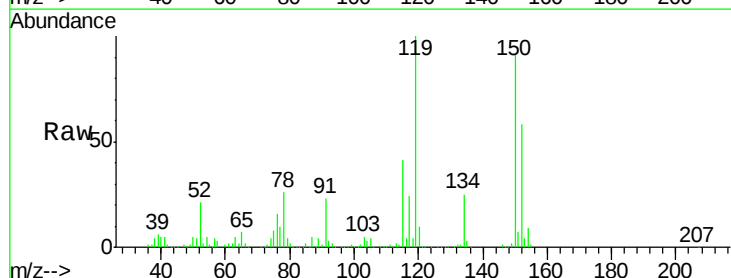
Tgt Ion:119 Resp: 409462

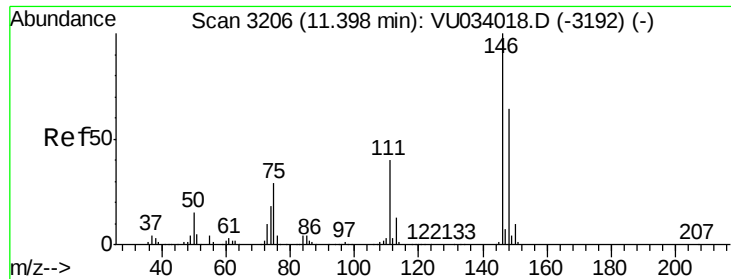
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 23.3 11.2 33.6





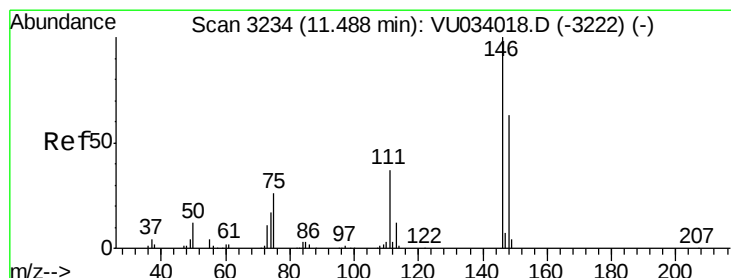
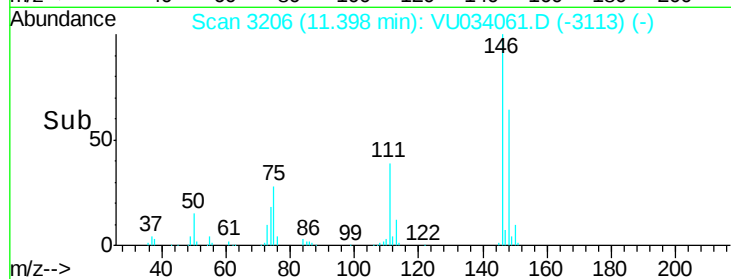
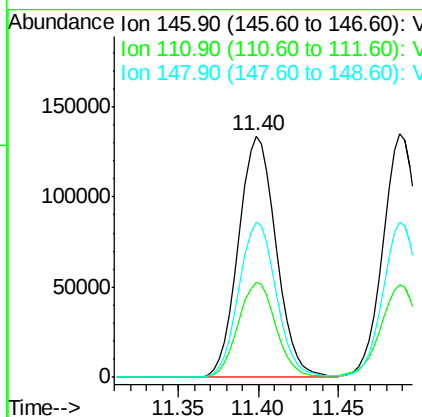
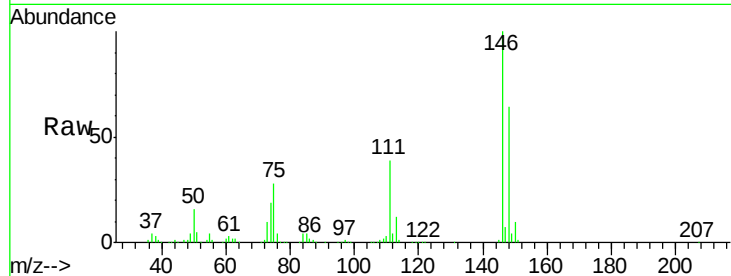
#87
 1,3-Dichlorobenzene
 Concen: 19.171 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	64.1	31.9	95.5

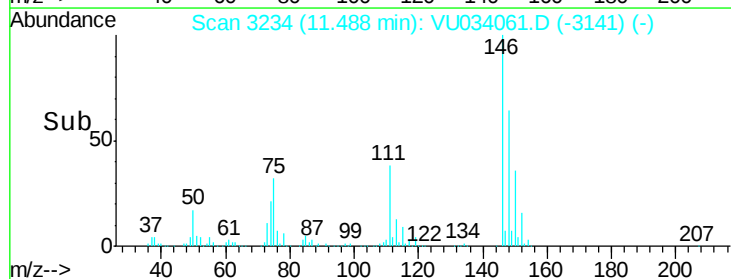
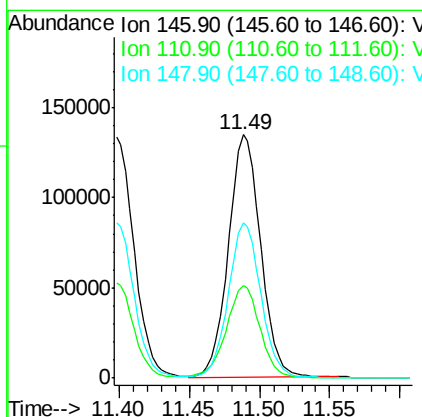
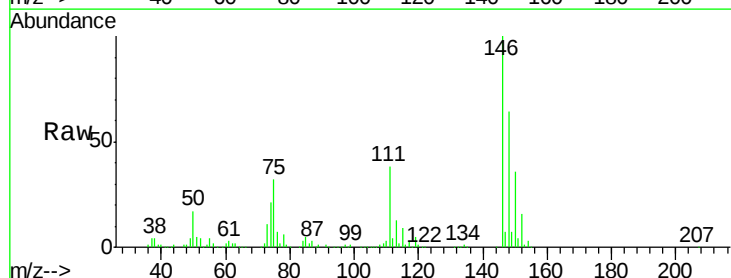
Manual Integrations
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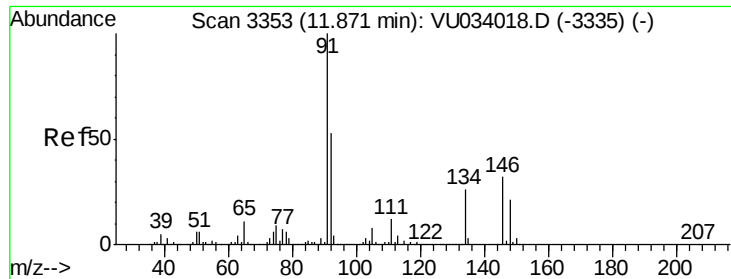
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 8/30/2019 12:52:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.979 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.2	57.6
148	64.7	31.9	95.9





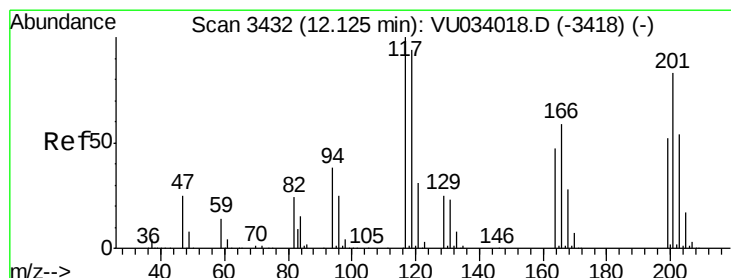
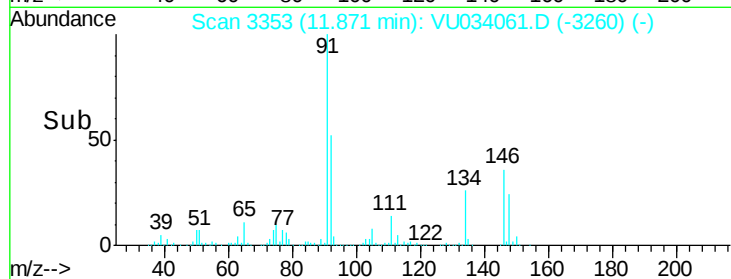
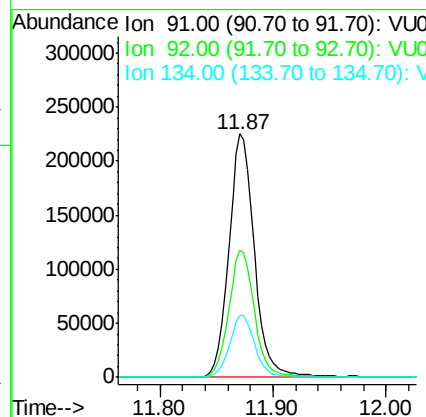
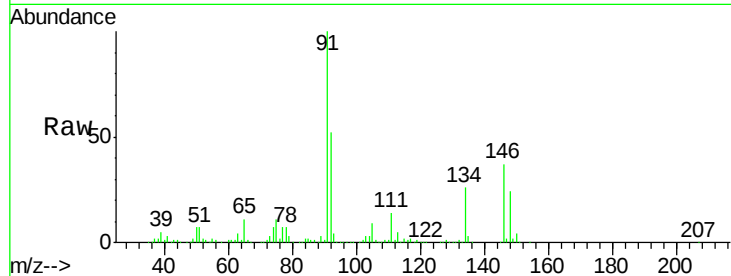
#89
n-Butylbenzene
Concen: 18.825 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	25.4	12.9	38.7

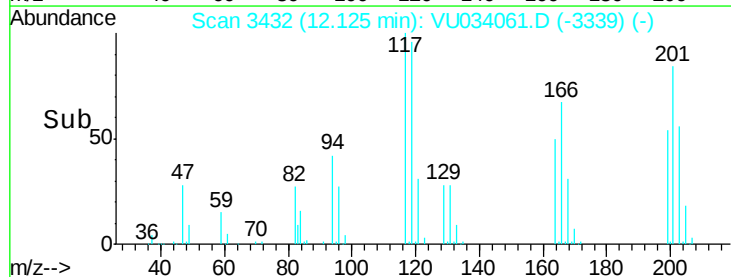
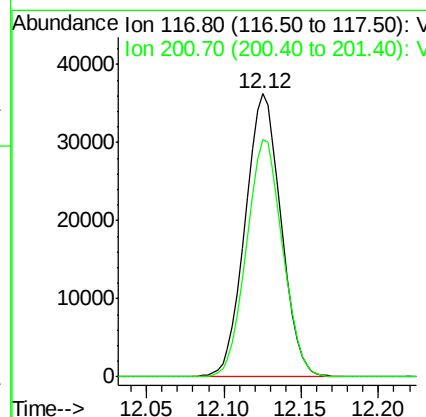
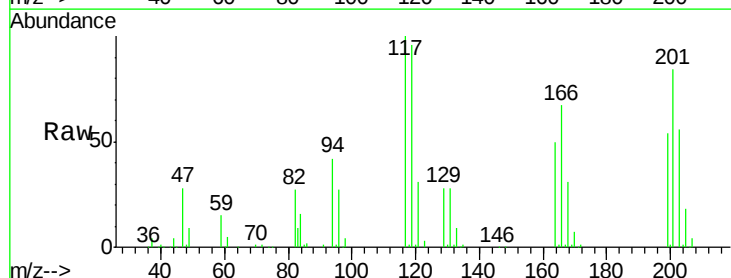
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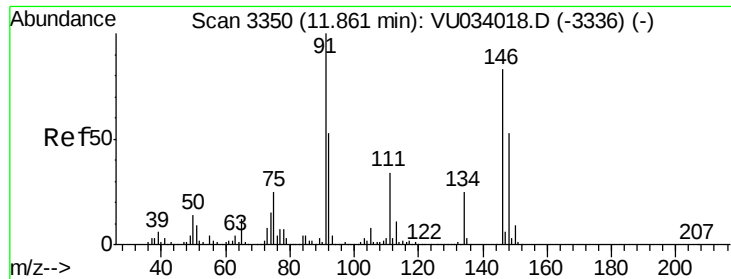
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#90
Hexachloroethane
Concen: 15.941 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034061.D
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Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.5	127.6





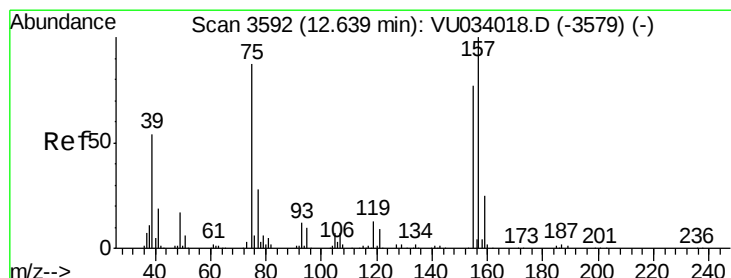
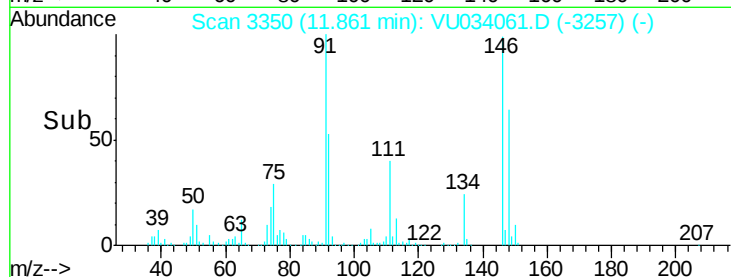
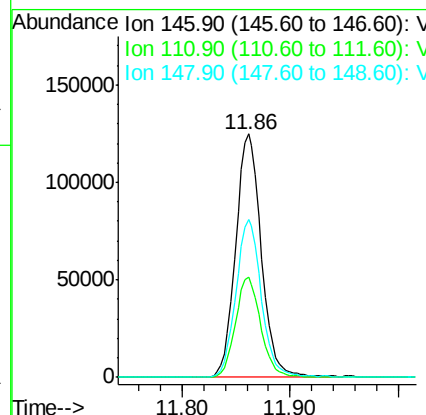
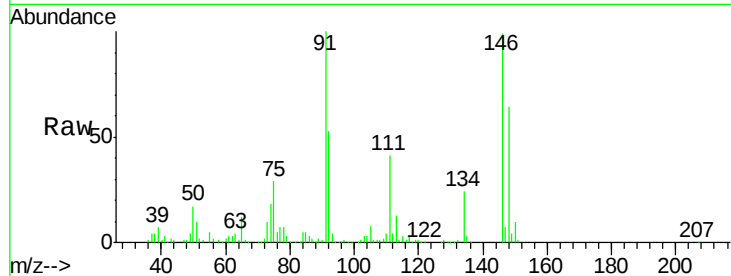
#91
 1,2-Dichlorobenzene
 Concen: 19.347 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	207651		
111	40.6		20.4	61.2
148	64.1		32.3	96.8

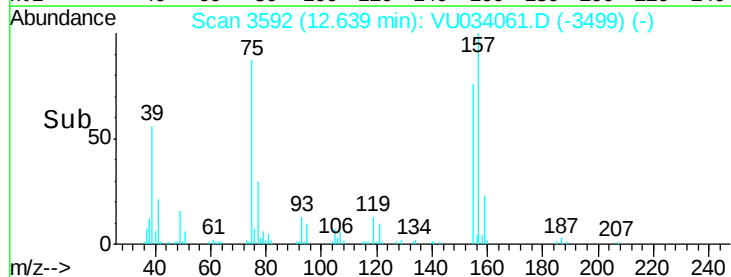
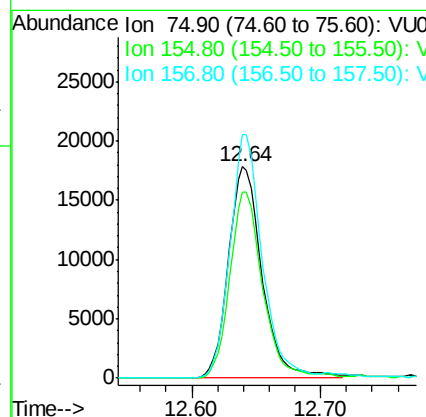
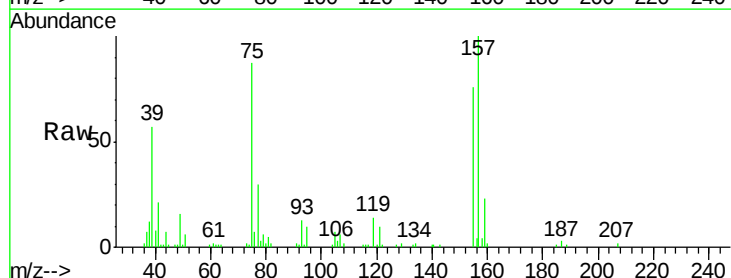
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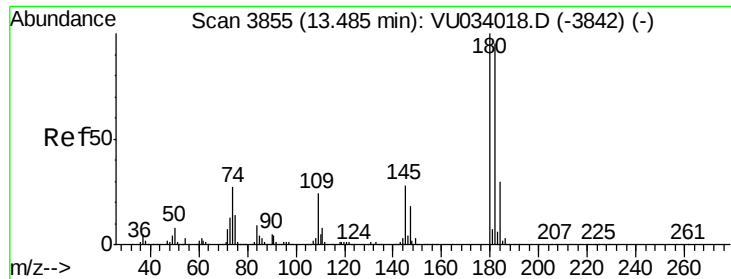
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.010 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32311		
155	85.9		43.5	130.7
157	109.7		56.9	170.6





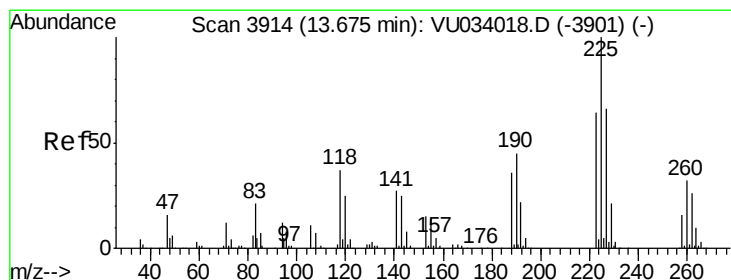
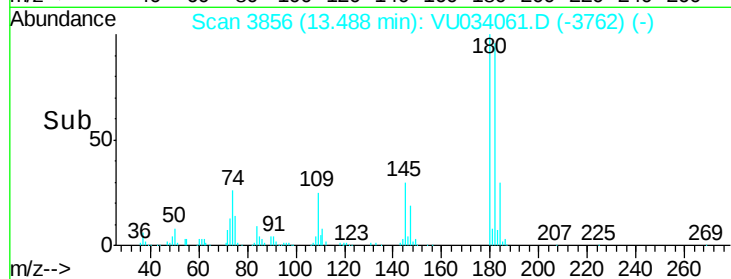
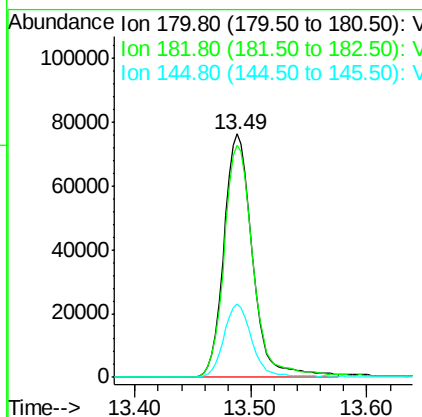
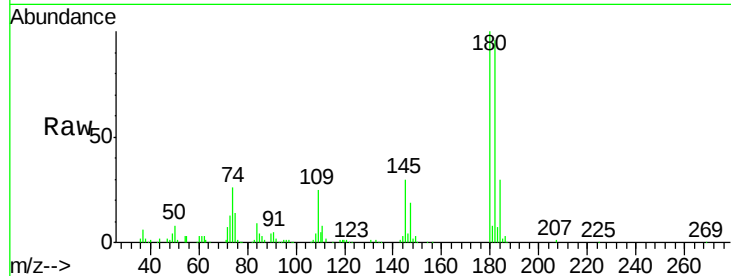
#93
 1,2,4-Trichlorobenzene
 Concen: 17.926 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0830MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131275		
182	97.0	47.4	142.2	
145	29.4	14.1	42.3	

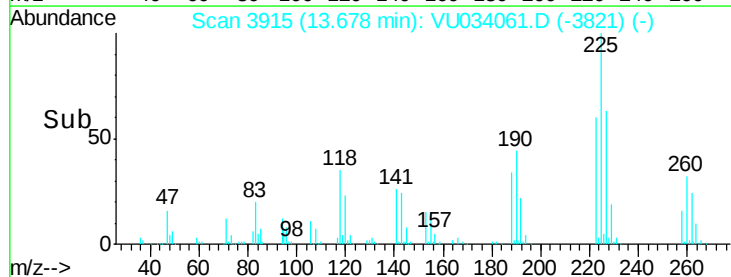
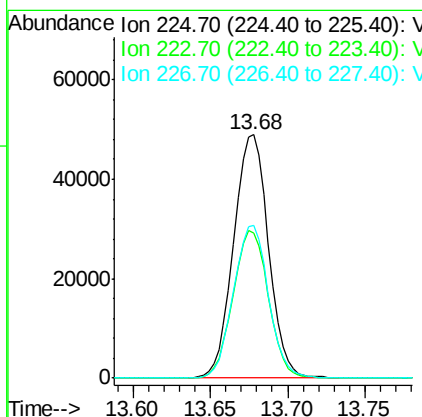
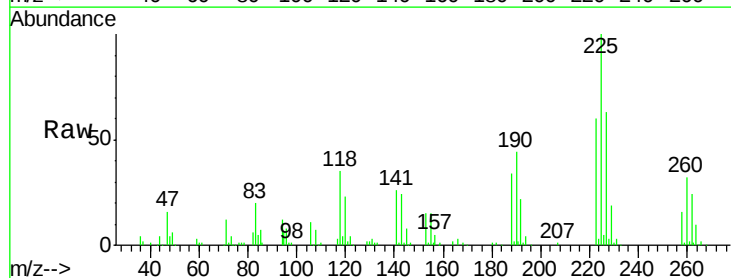
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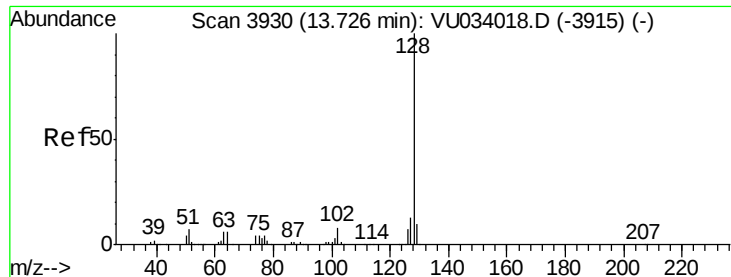
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#94
 Hexachlorobutadiene
 Concen: 18.241 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76591		
223	61.7	31.8	95.3	
227	63.2	32.6	97.8	





#95

Naphthalene

Concen: 17.582 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

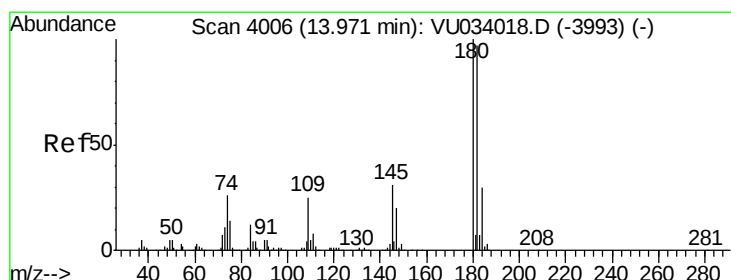
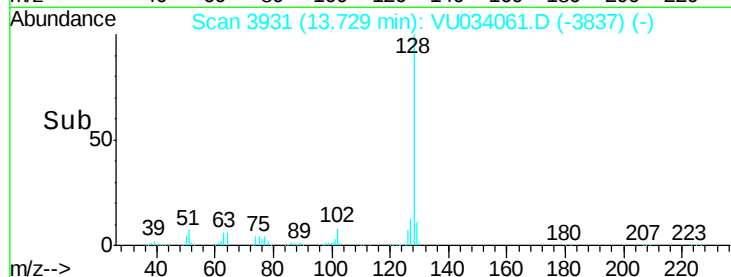
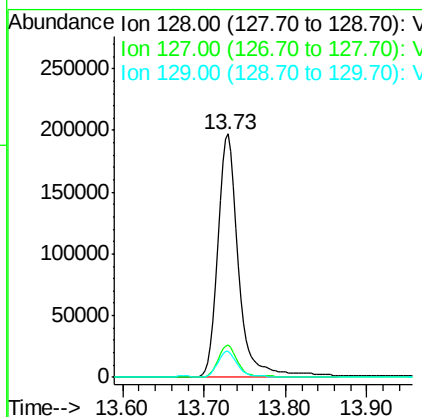
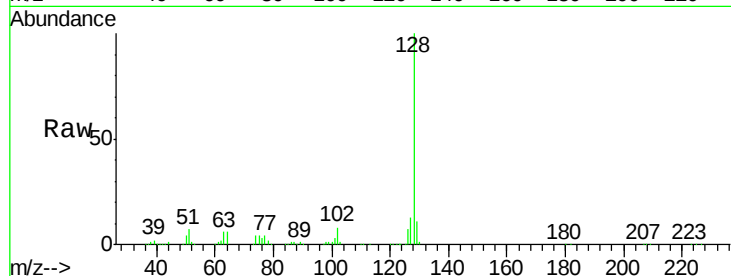
ClientSampleId :

VU0830MBSD01

Tot Ion:	128	Resp:	358083
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.5	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.382 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion:	180	Resp:	133264
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.2	144.6
145	30.4	15.5	46.5

