

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034274.D
 Acq On : 05 Sep 2019 10:23
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:34 PM

Quant Time: Sep 06 04:33:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	321473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	463253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	465011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308387	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	241693	57.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.60%	
35) Dibromofluoromethane	4.86	113	212578	62.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.14%	
50) Toluene-d8	7.55	98	845127	66.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.10%	
62) 4-Bromofluorobenzene	10.29	95	309031	62.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	155415	49.599	ug/l	100
3) Chloromethane	1.32	50	179277	38.789	ug/l	100
4) Vinyl Chloride	1.40	62	189656	45.649	ug/l	100
5) Bromomethane	1.61	94	106793	48.196	ug/l	100
6) Chloroethane	1.69	64	123182	47.722	ug/l	100
7) Trichlorofluoromethane	1.88	101	258430	52.252	ug/l	100
8) Diethyl Ether	2.09	74	114791	53.783	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	168830	53.512	ug/l	100
10) Methyl Iodide	2.40	142	162956	39.498	ug/l	100
11) Tert butyl alcohol	2.81	59	247845	262.195	ug/l	100
12) 1,1-Dichloroethene	2.27	96	161996	50.960	ug/l	100
13) Acrolein	2.18	56	206758	428.698	ug/l	100
14) Allyl chloride	2.58	41	311814m	51.962	ug/l	
15) Acrylonitrile	2.92	53	643507	291.886	ug/l	100
16) Acetone	2.31	43	577475	273.596	ug/l	100
17) Carbon Disulfide	2.46	76	354625	37.022	ug/l	100
18) Methyl Acetate	2.60	43	280117	51.365	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	620742	58.279	ug/l	100
20) Methylene Chloride	2.69	84	205215	51.666	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	171098	49.877	ug/l	100
22) Diisopropyl ether	3.55	45	644696	57.673	ug/l	100
23) Vinyl Acetate	3.50	43	2699863	283.742	ug/l	100
24) 1,1-Dichloroethane	3.43	63	362893	55.259	ug/l	100
25) 2-Butanone	4.24	43	851939	290.389	ug/l	100
26) 2,2-Dichloropropane	4.20	77	292998	54.905	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	211324	53.934	ug/l	100
28) Bromochloromethane	4.52	49	183760	56.455	ug/l	100
29) Tetrahydrofuran	4.61	42	523433	289.230	ug/l	100
30) Chloroform	4.65	83	363133	54.994	ug/l	100
31) Cyclohexane	4.97	56	266075	44.981	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	294573	54.851	ug/l	100
36) 1,1-Dichloropropene	5.12	75	236682	53.943	ug/l	100
37) Ethyl Acetate	4.36	43	294592	59.124	ug/l	100
38) Carbon Tetrachloride	5.11	117	252363	58.537	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	260457	51.254	ug/l	100
40) Benzene	5.37	78	773293	57.473	ug/l	100
41) Methacrylonitrile	4.52	41	164421	63.687	ug/l	100
42) 1,2-Dichloroethane	5.38	62	266433	57.400	ug/l	100
43) Isopropyl Acetate	5.53	43	458740	60.200	ug/l	100
44) Trichloroethene	6.17	130	210760	59.033	ug/l	100
45) 1,2-Dichloropropane	6.41	63	227161	60.747	ug/l	100
46) Dibromomethane	6.54	93	143230	59.535	ug/l	100
47) Bromodichloromethane	6.74	83	291022	61.346	ug/l	100
48) Methyl methacrylate	6.60	41	219878	60.238	ug/l	100
49) 1,4-Dioxane	6.59	88	95872	1069.846	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1609448	304.839	ug/l	100
52) Toluene	7.62	92	499399	59.937	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	310390	59.669	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	345279	60.540	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	221639	62.028	ug/l	100
56) Ethyl methacrylate	8.00	69	323651	61.384	ug/l	100
57) 1,3-Dichloropropane	8.22	76	360787	59.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	588438	309.086	ug/l	100
59) 2-Hexanone	8.34	43	1232632	309.611	ug/l	100
60) Dibromochloromethane	8.46	129	241313	62.674	ug/l	100
61) 1,2-Dibromoethane	8.57	107	220228	59.133	ug/l	100
64) Tetrachloroethene	8.21	164	188511	59.128	ug/l	100
65) Chlorobenzene	9.10	112	566779	58.170	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	211306	59.356	ug/l	100
67) Ethyl Benzene	9.23	91	954941	58.243	ug/l	100
68) m/p-Xylenes	9.36	106	746437	119.290	ug/l	100
69) o-Xylene	9.76	106	361881	60.211	ug/l	100
70) Styrene	9.77	104	648398	62.583	ug/l	100
71) Bromoform	9.94	173	187340	60.372	ug/l #	100
73) Isopropylbenzene	10.15	105	990023	49.024	ug/l	100
74) N-amyl acetate	9.99	43	418149	49.606	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	377741	48.315	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	311880m	46.355	ug/l	
77) Bromobenzene	10.43	156	267206	48.766	ug/l	100
78) n-propylbenzene	10.57	91	1157695	49.191	ug/l	100
79) 2-Chlorotoluene	10.64	91	687540	48.635	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	860368	50.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	100560m	49.522	ug/l	
82) 4-Chlorotoluene	10.75	91	804407	49.350	ug/l	100
83) tert-Butylbenzene	11.08	119	825965	48.979	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	867775	51.028	ug/l	100
85) sec-Butylbenzene	11.30	105	1003927	49.656	ug/l	100
86) p-Isopropyltoluene	11.46	119	930826	50.863	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	487461	50.069	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	494875	50.097	ug/l	100
89) n-Butylbenzene	11.87	91	833457	51.730	ug/l	100
90) Hexachloroethane	12.12	117	139227	44.490	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	485392	51.871	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77340	49.952	ug/l	100

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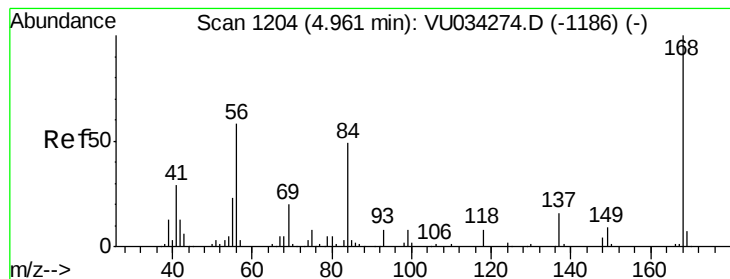
Manual Integrations
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9/6/2019 3:21:34 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	338561	59.196	ug/l	100
94) Hexachlorobutadiene	13.67	225	167681	46.652	ug/l	100
95) Naphthalene	13.72	128	960641	60.882	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	334743	55.753	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 321473

Ion Ratio Lower Upper

168 100

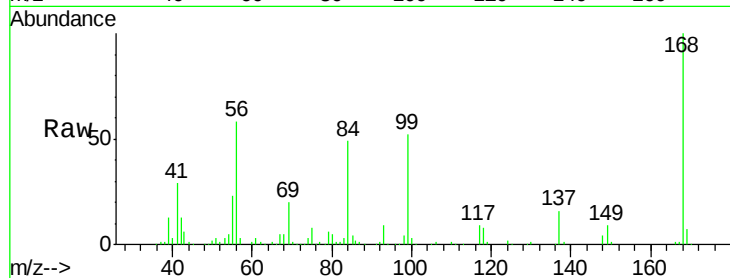
99 52.0 41.6 62.4

Manual Integrations

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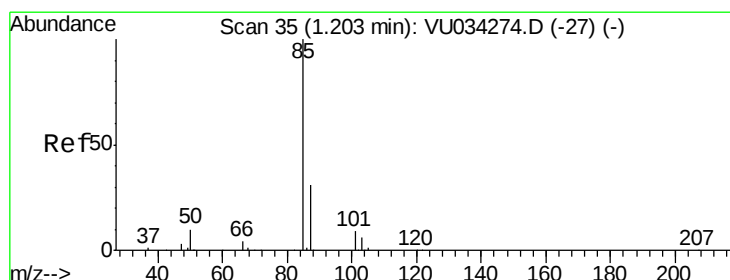
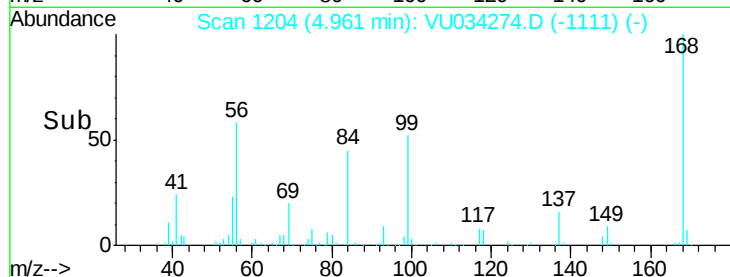
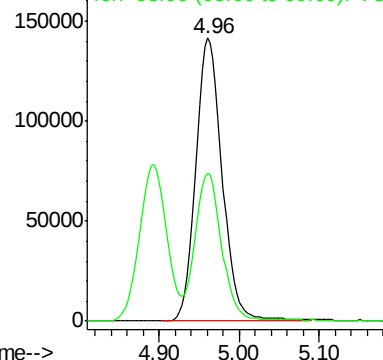
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034274.D

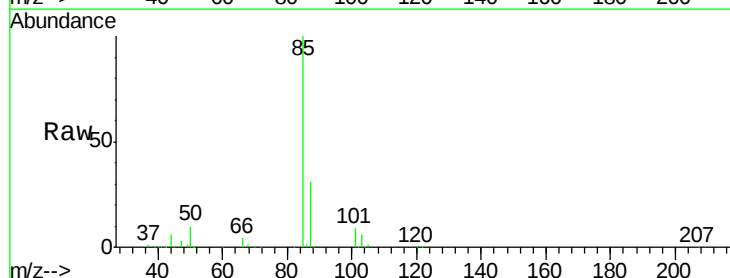
Acq: 05 Sep 2019 10:23

Tgt Ion: 85 Resp: 155415

Ion Ratio Lower Upper

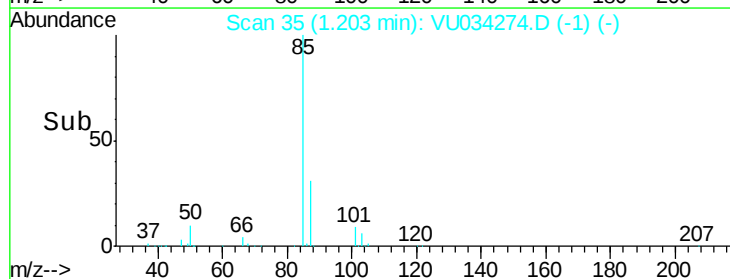
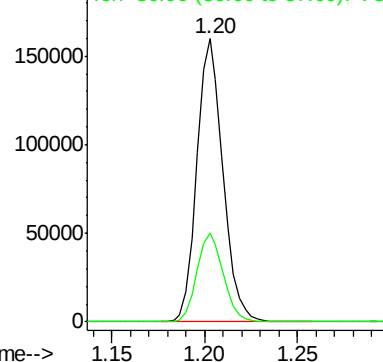
85 100

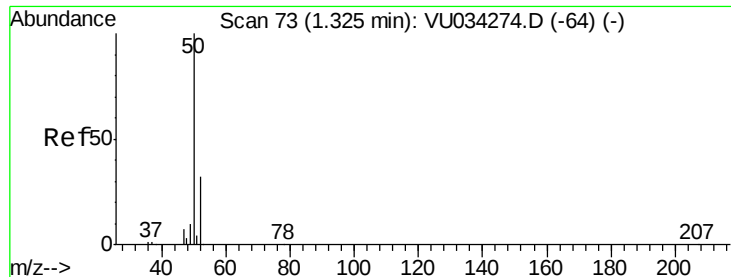
87 31.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 38.789 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 179277

Ion Ratio Lower Upper

50 100

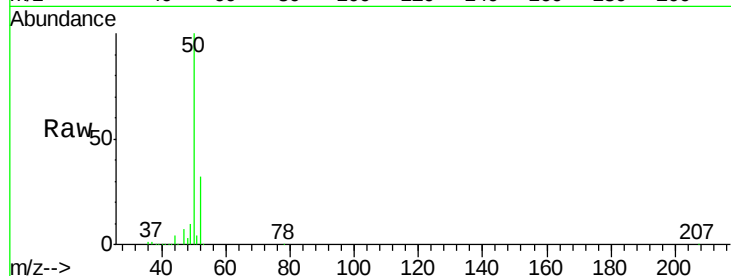
52 32.2 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034274.D (-64) (-)

1.32

200000

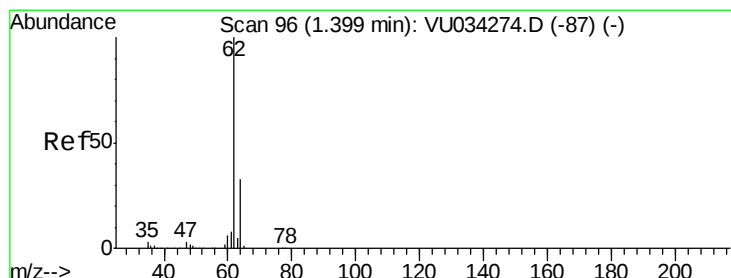
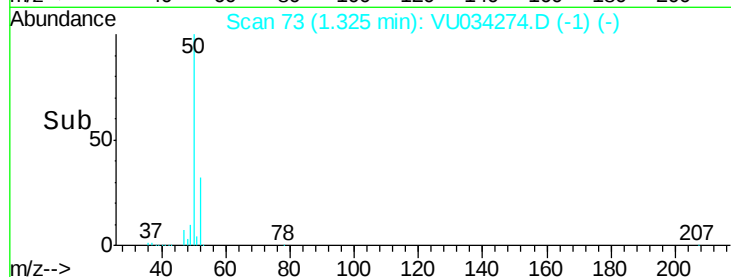
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.649 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034274.D

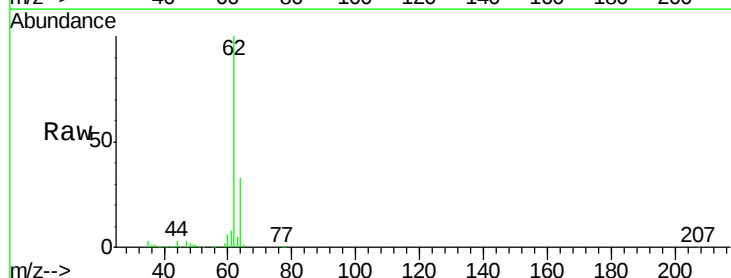
Acq: 05 Sep 2019 10:23

Tgt Ion: 62 Resp: 189656

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034274.D (-87) (-)

1.40

200000

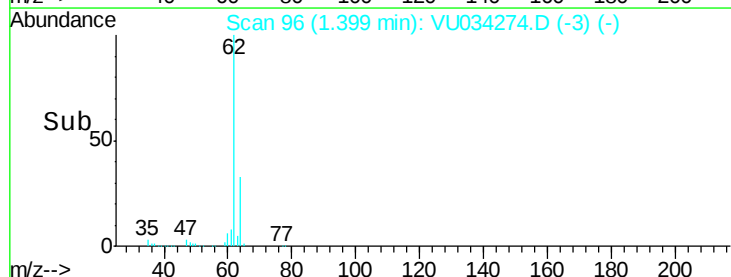
150000

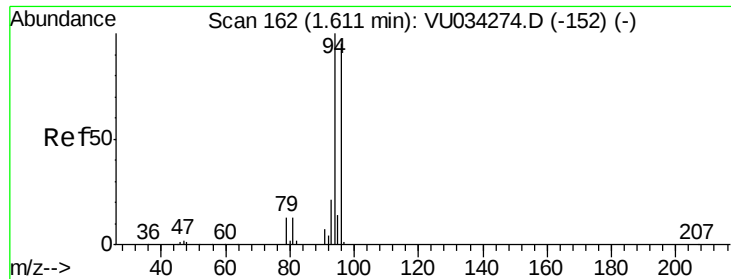
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.196 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 106793

Ion Ratio Lower Upper

94 100

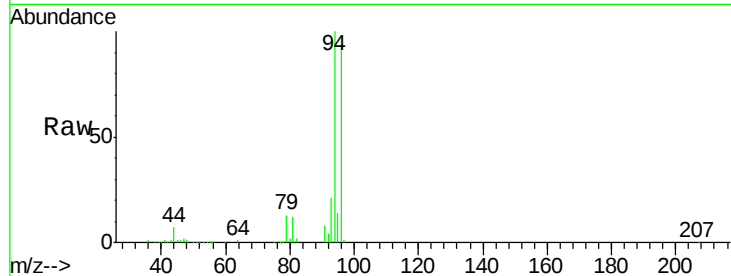
96 94.6 75.7 113.5

Manual Integrations

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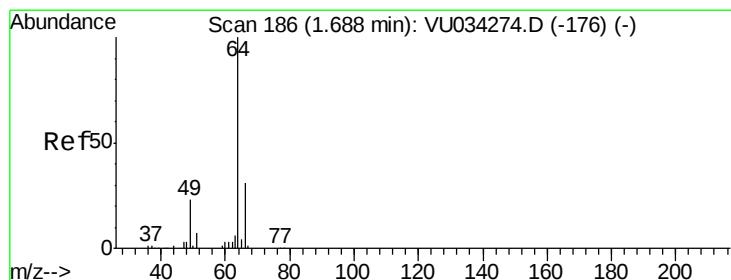
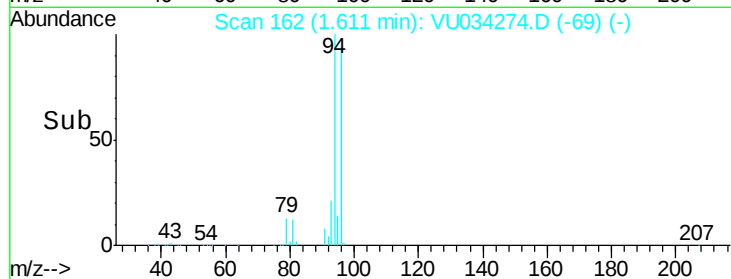
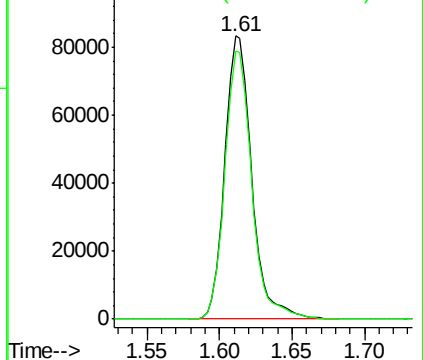
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.722 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034274.D

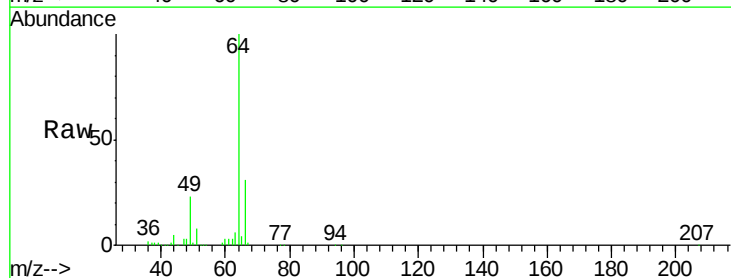
Acq: 05 Sep 2019 10:23

Tgt Ion: 64 Resp: 123182

Ion Ratio Lower Upper

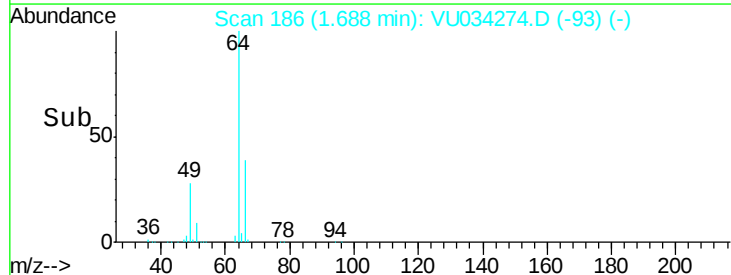
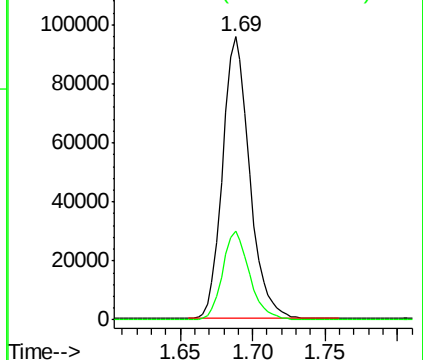
64 100

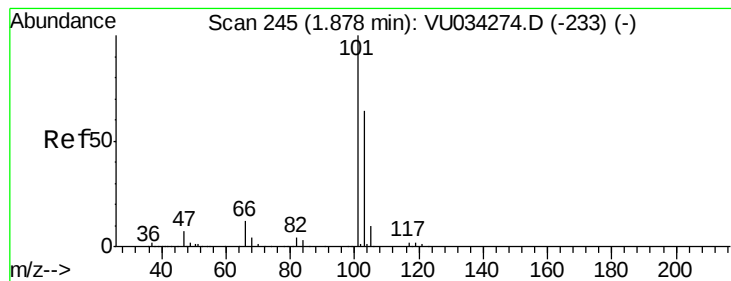
66 31.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

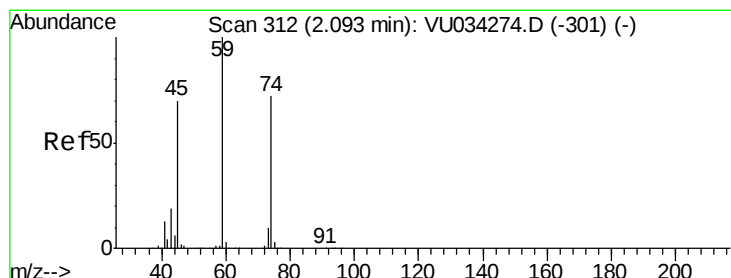
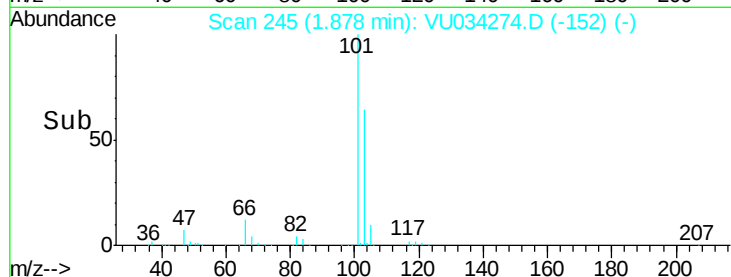
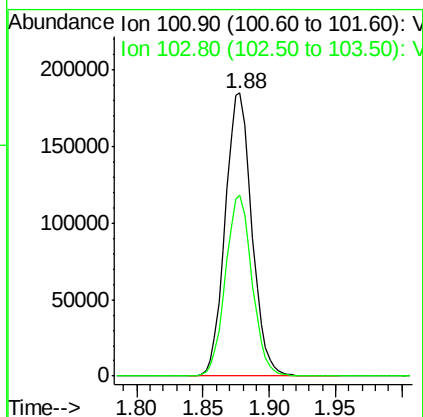
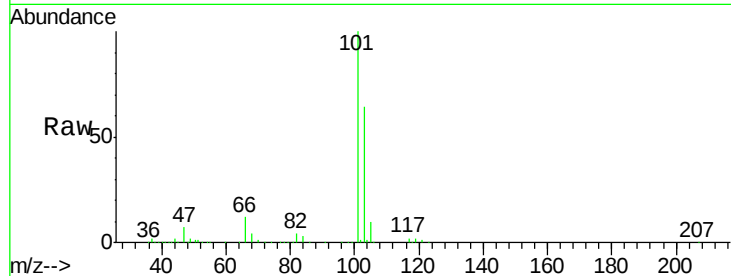
Trichlorofluoromethane
 Concen: 52.252 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	258430		
103	63.8	51.0	76.6	

Manual Integrations
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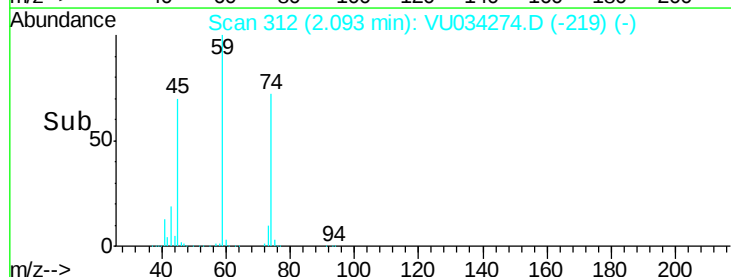
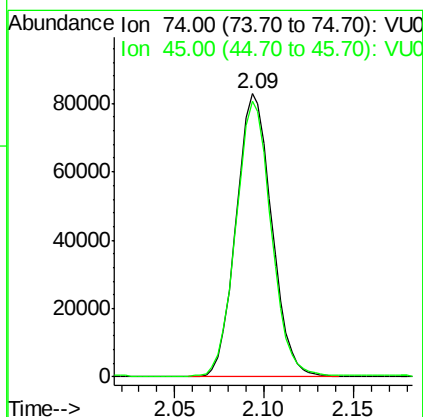
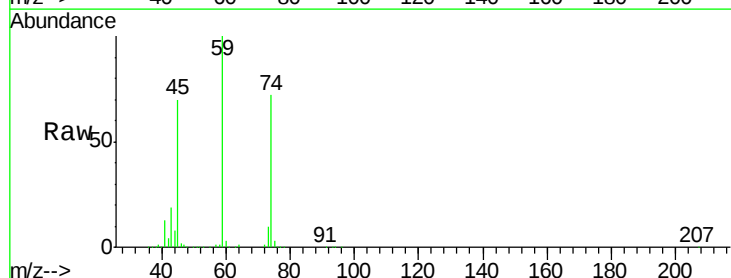
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 9/6/2019 3:21:34 PM



#8

Diethyl Ether
 Concen: 53.783 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	114791		
45	96.4	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.512 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

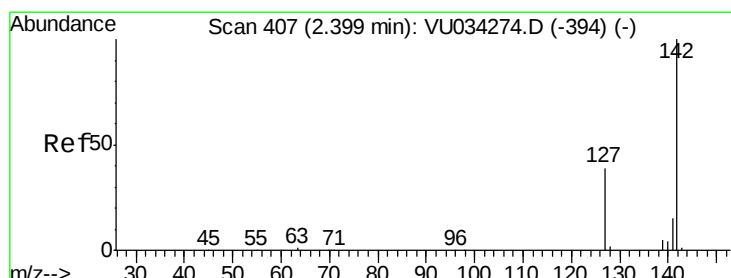
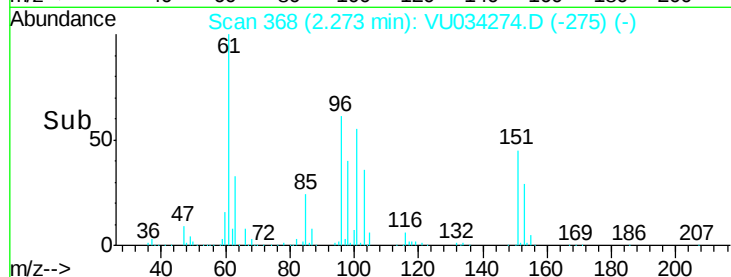
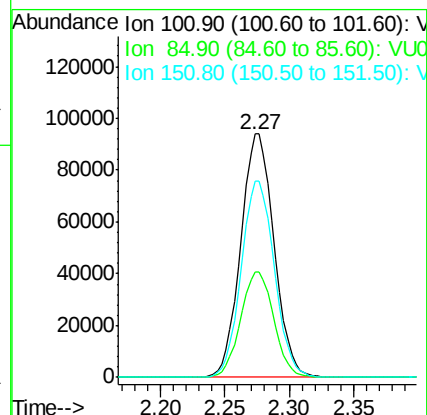
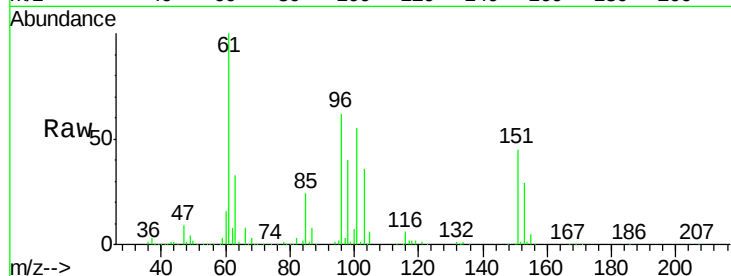
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	168830
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	80.5	64.4	96.6

Manual Integrations
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9/6/2019 3:21:34 PM



#10

Methyl Iodide

Concen: 39.498 ug/l

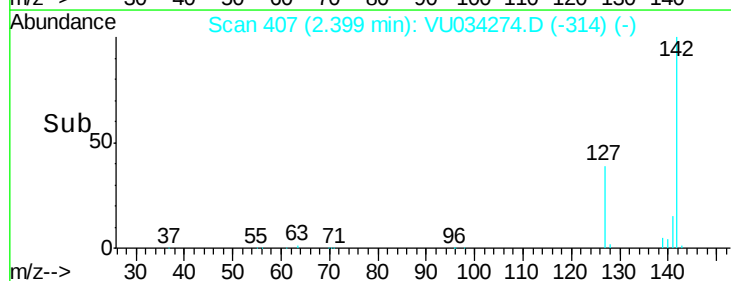
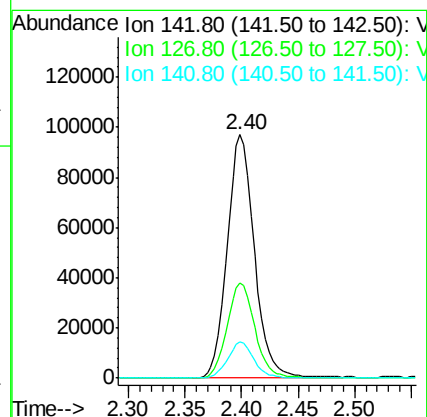
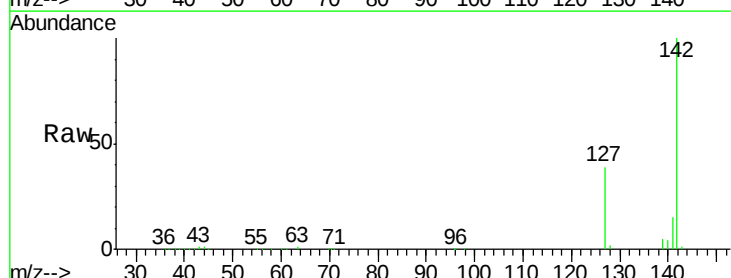
RT: 2.40 min Scan# 407

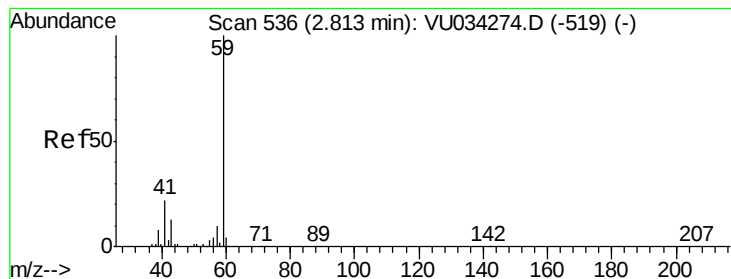
Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion:	142	Resp:	162956
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.4	11.5	17.3





#11

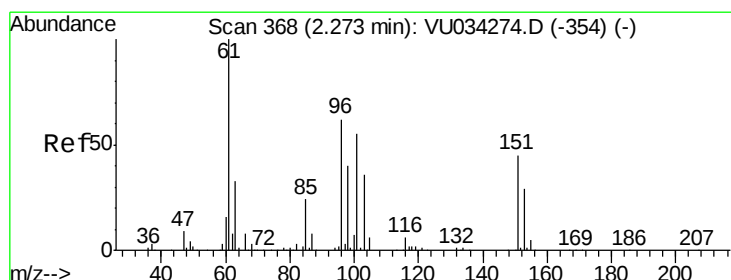
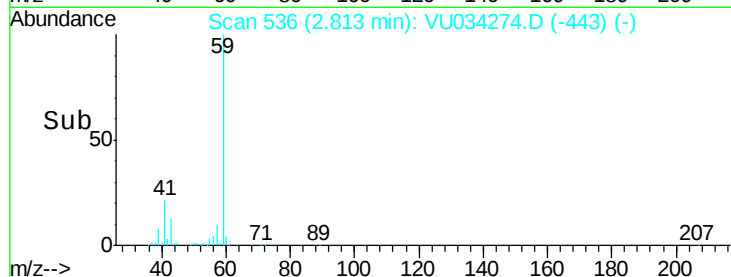
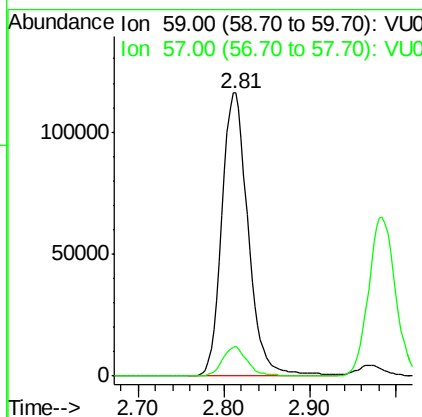
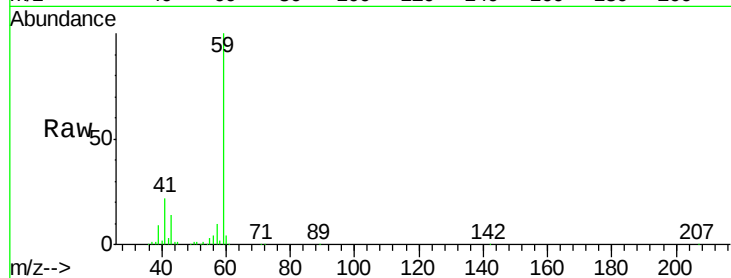
Tert butyl alcohol
Concen: 262.195 ug/l
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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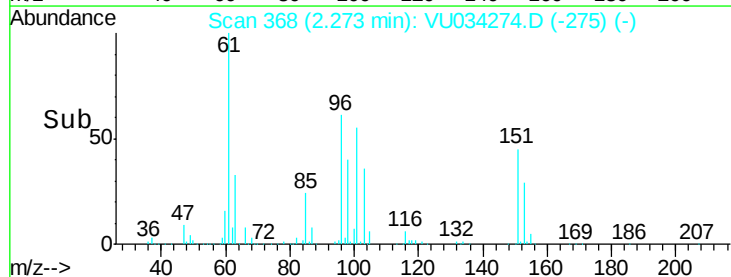
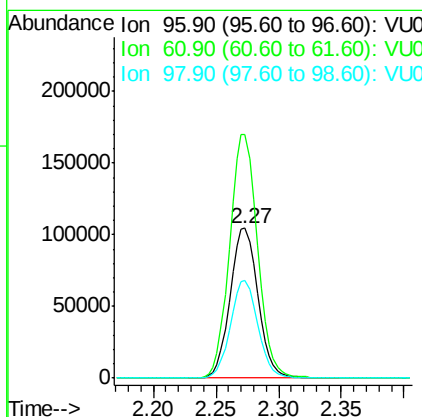
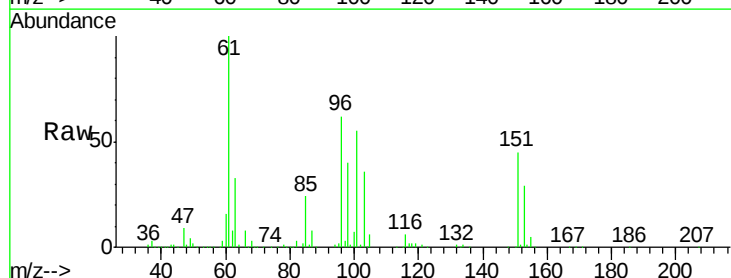
MMDadoda
9/6/2019 3:21:34 PM

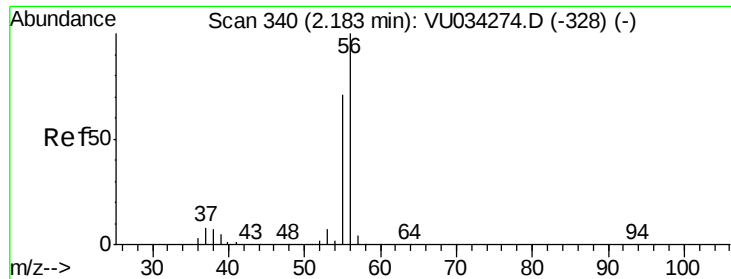


#12

1,1-Dichloroethene
Concen: 50.960 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.5	130.0	195.0
98	65.3	52.2	78.4





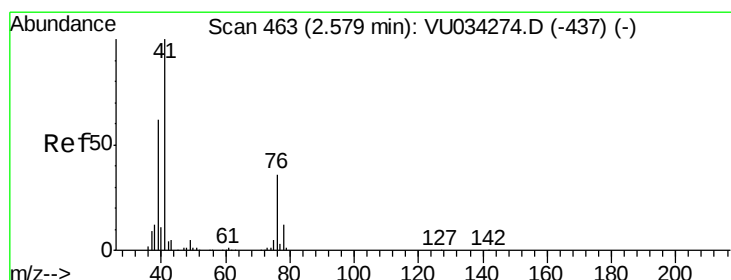
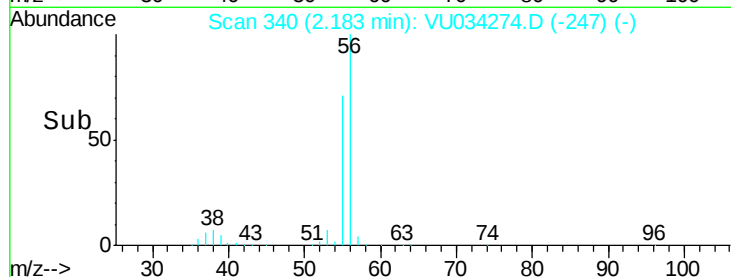
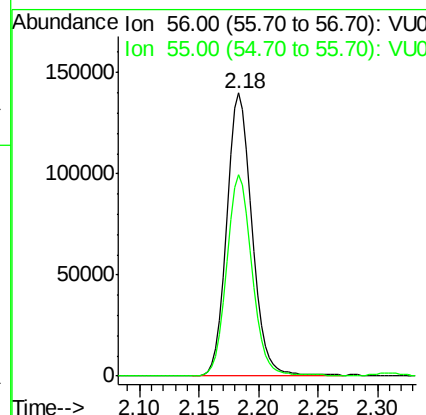
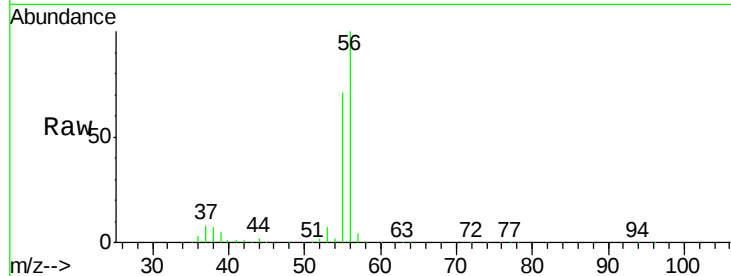
#13
Acrolein
Concen: 428.698 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	100	71.8	Resp	206758	Lower	57.4	Upper	86.2
Ion											

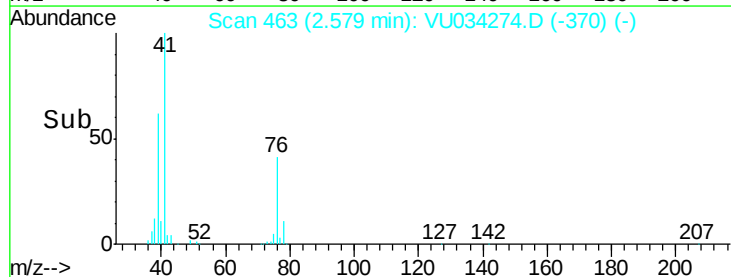
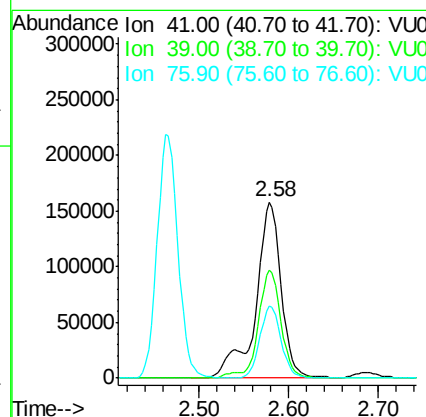
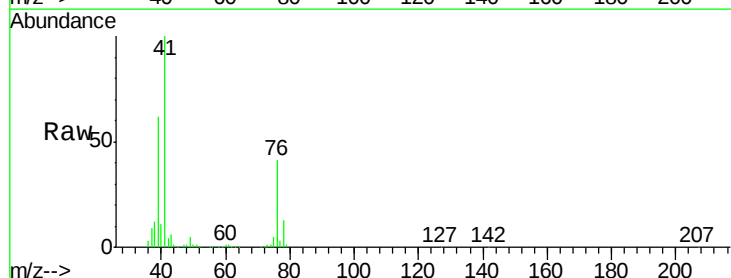
Manual Integrations
APPROVED

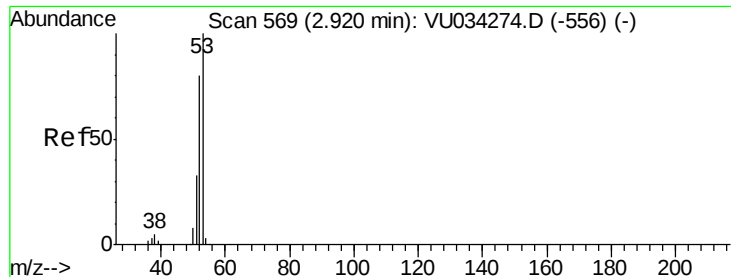
MMDadoda
9/6/2019 3:21:34 PM



#14
Allyl chloride
Concen: 51.962 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	41	39	76	Ratio	100	54.4	33.8	Resp	311814	Lower	43.5	27.0	Upper	65.3	40.6
Ion															





#15

Acrylonitrile

Concen: 291.886 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

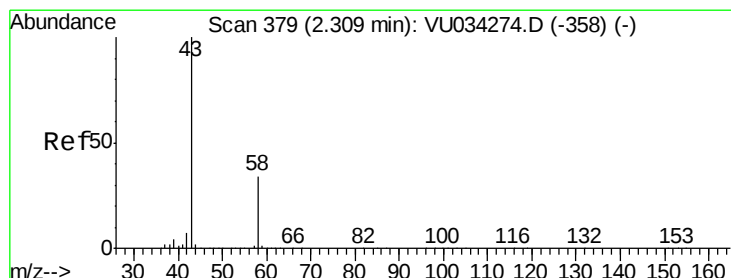
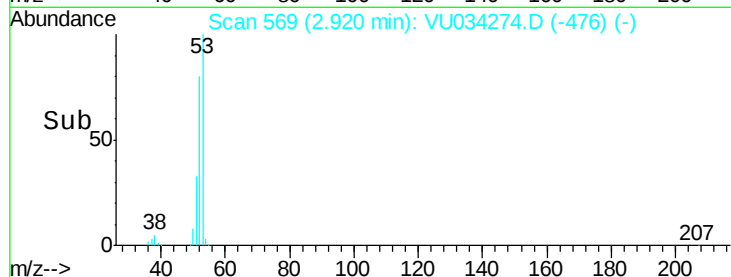
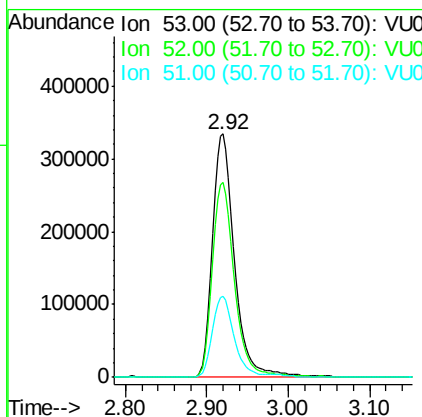
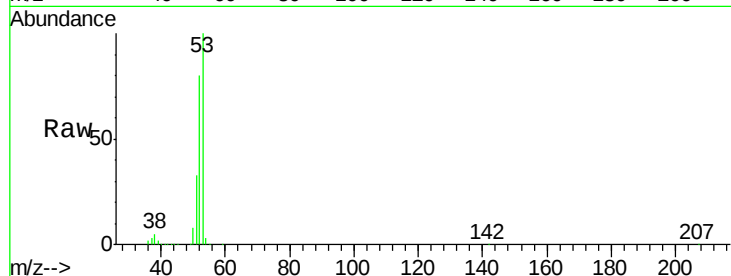
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	643507
Ion	Ratio	Lower	Upper
53	100		
52	80.1	64.1	96.1
51	34.2	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 273.596 ug/l

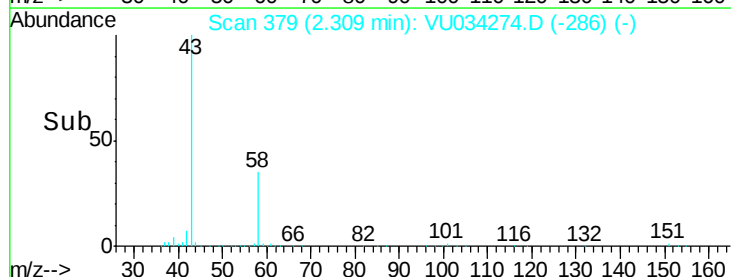
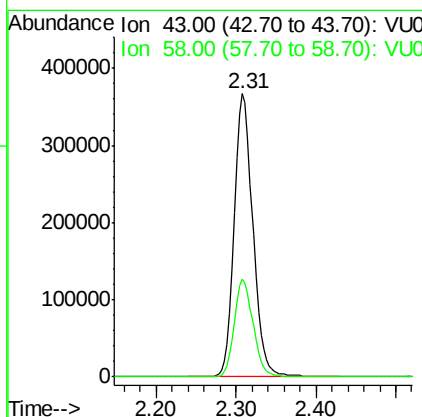
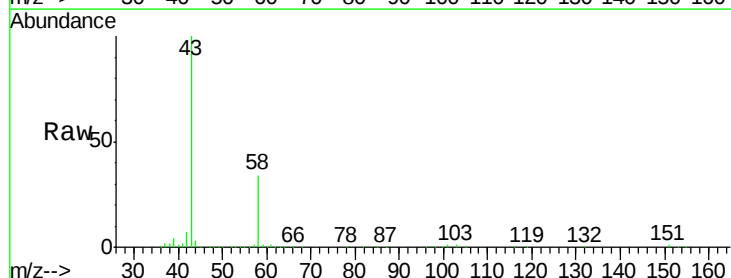
RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion:	43	Resp:	577475
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.6	41.4





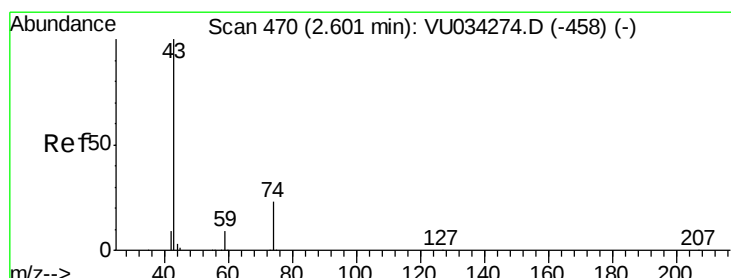
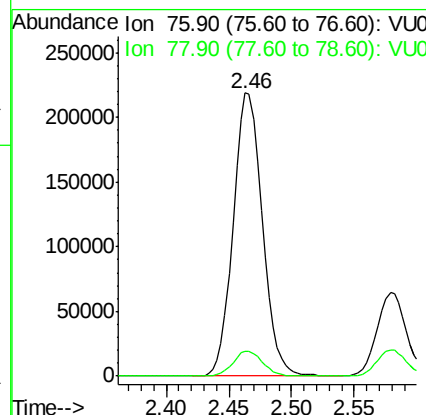
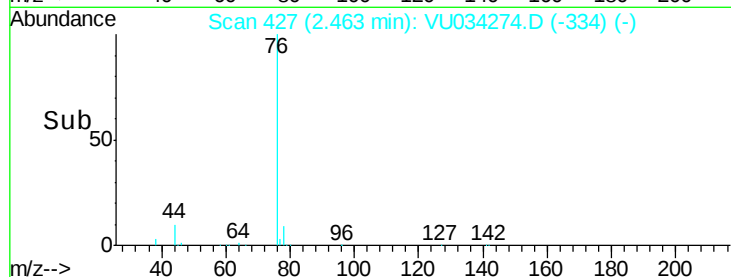
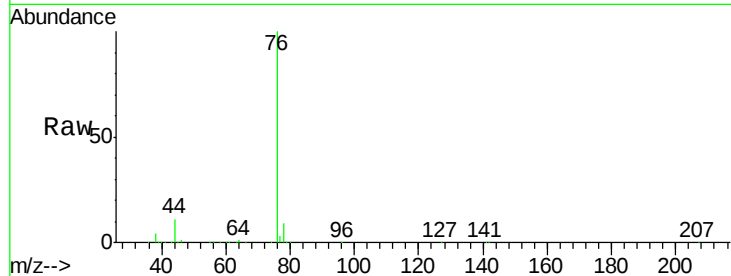
#17
Carbon Disulfide
Concen: 37.022 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

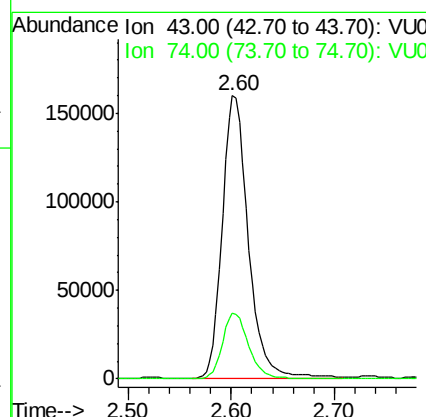
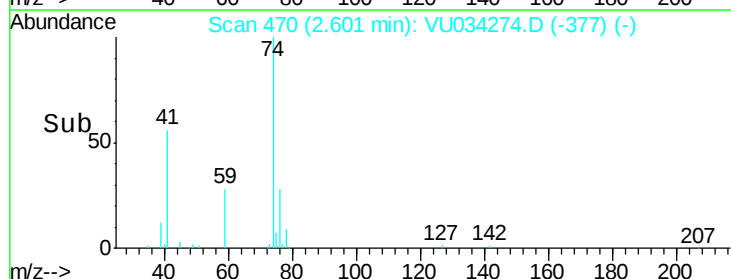
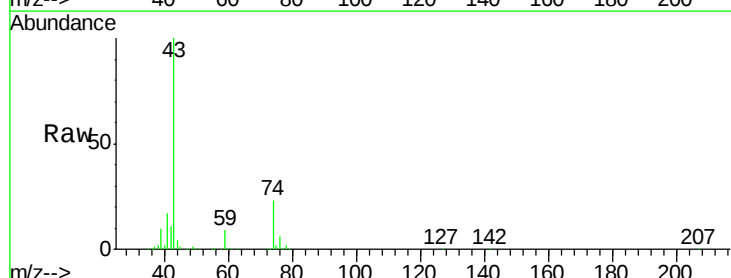
Manual Integrations
APPROVED

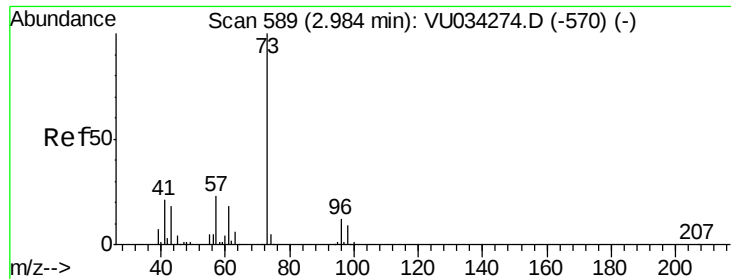
MMDadoda
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#18
Methyl Acetate
Concen: 51.365 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3





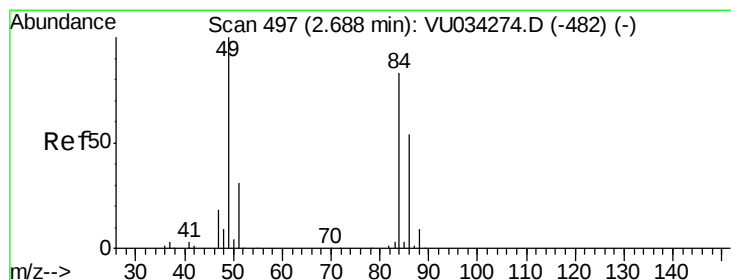
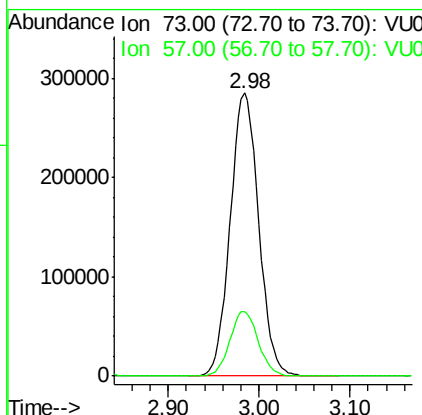
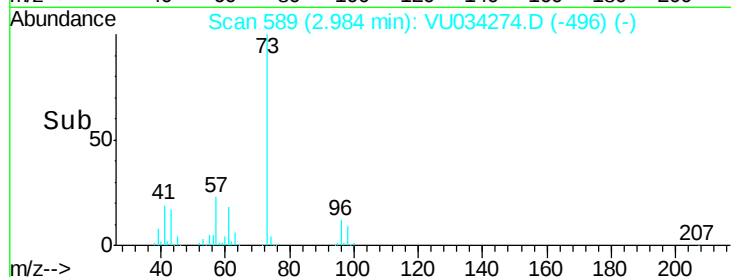
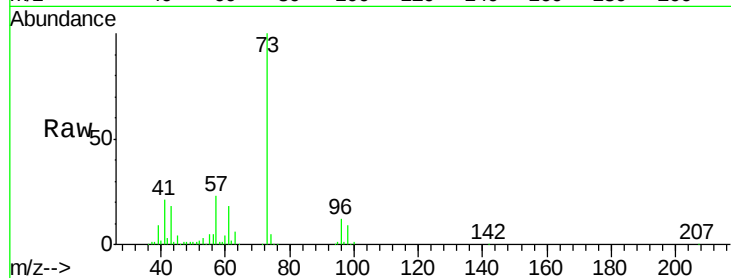
#19
Methvl tert-butvl Ether
Concen: 58.279 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 620742
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

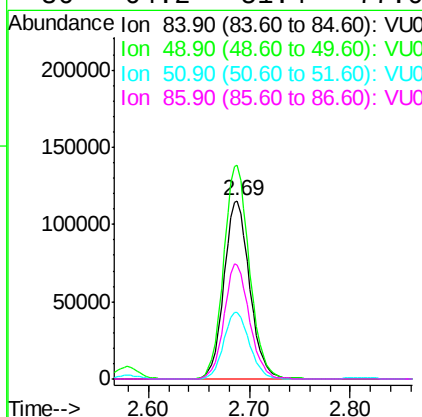
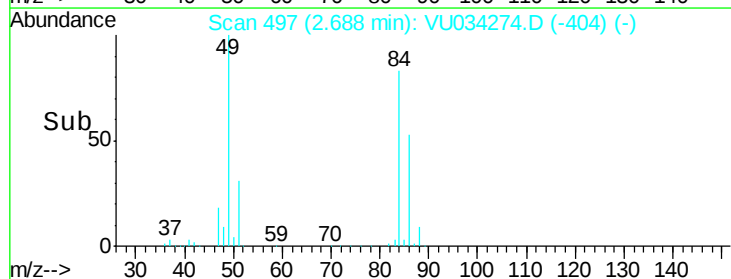
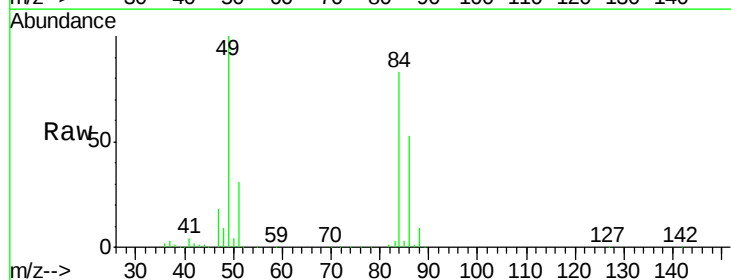
Manual Integrations
APPROVED

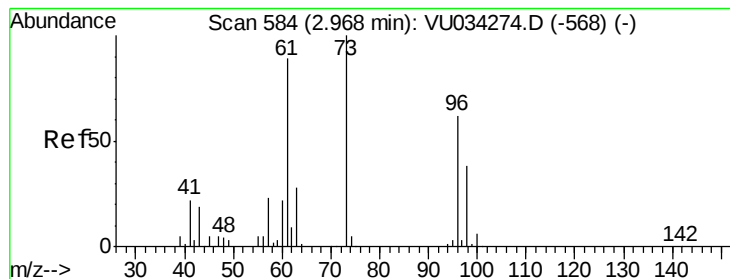
MMDadoda
9/6/2019 3:21:34 PM



#20
Methylene Chloride
Concen: 51.666 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion: 84 Resp: 205215
Ion Ratio Lower Upper
84 100
49 120.0 96.0 144.0
51 37.5 30.0 45.0
86 64.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.877 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 171098

Ion Ratio Lower Upper

96 100

61 143.5 114.8 172.2

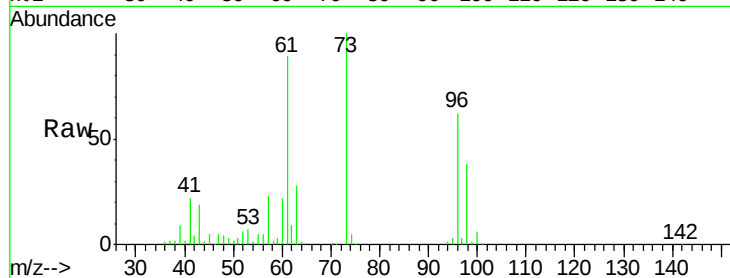
98 62.3 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

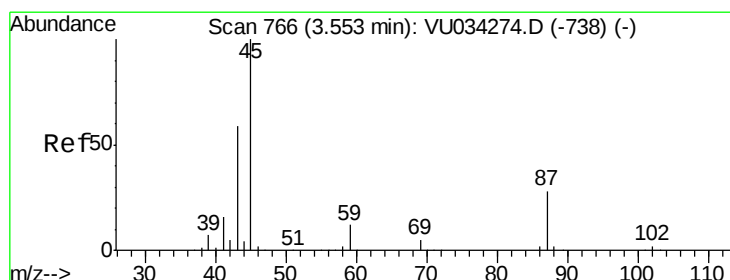
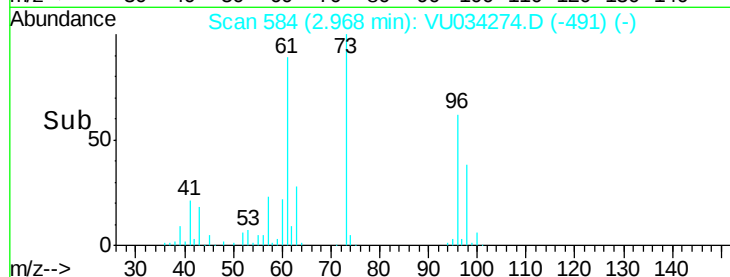
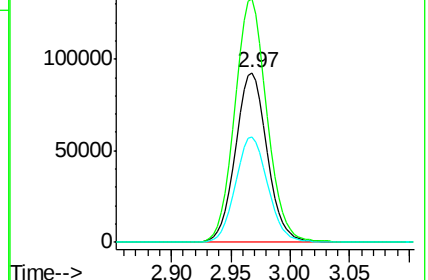
9/6/2019 3:21:34 PM



Abundance Ion 95.90 (95.60 to 96.60): VU034274.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-568) (-)



#22

Diisopropyl ether

Concen: 57.673 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion: 45 Resp: 644696

Ion Ratio Lower Upper

45 100

43 59.4 47.5 71.3

87 27.8 22.2 33.4

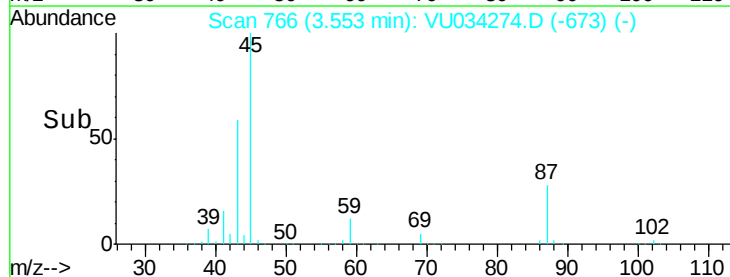
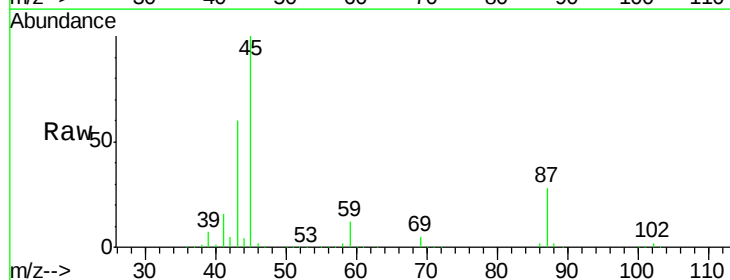
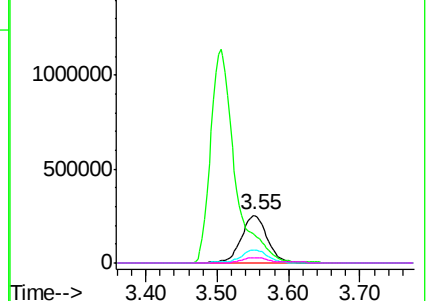
59 11.8 9.4 14.2

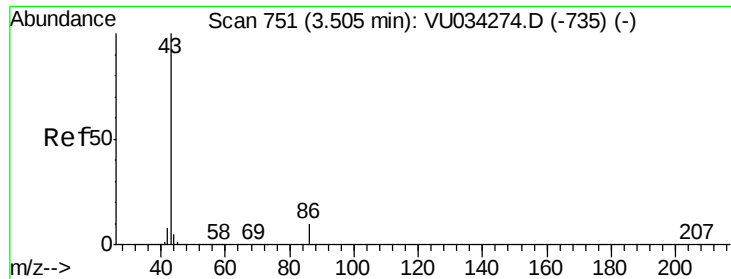
Abundance Ion 45.00 (44.70 to 45.70): VU034274.D (-738) (-)

Ion 43.00 (42.70 to 43.70): VU034274.D (-738) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-738) (-)

Ion 59.00 (58.70 to 59.70): VU034274.D (-738) (-)





#23

Vinyl Acetate

Concen: 283.742 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2699863

Ion Ratio Lower Upper

43 100

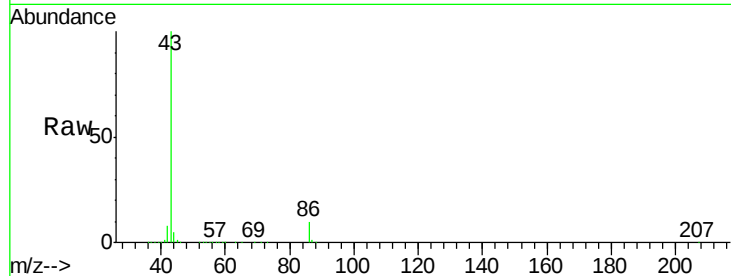
86 10.4 8.3 12.5

Manual Integrations

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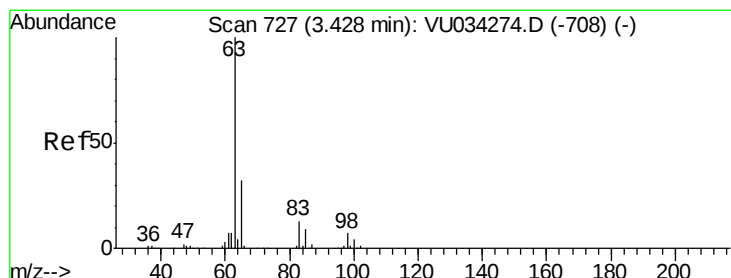
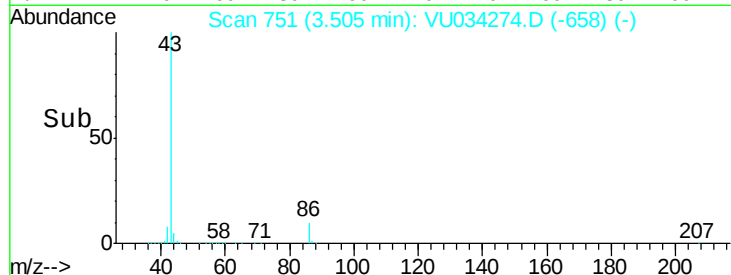
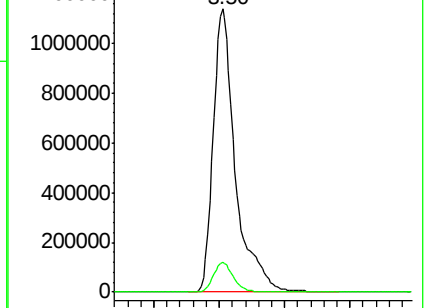
MMDadoda

9/6/2019 3:21:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-735) (-)

Ion 86.00 (85.70 to 86.70): VU034274.D (-735) (-)



#24

1,1-Dichloroethane

Concen: 55.259 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

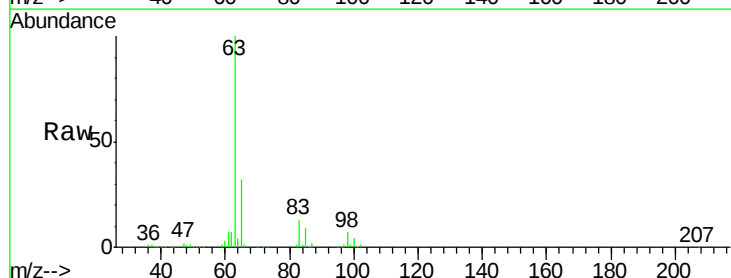
Tgt Ion: 63 Resp: 362893

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

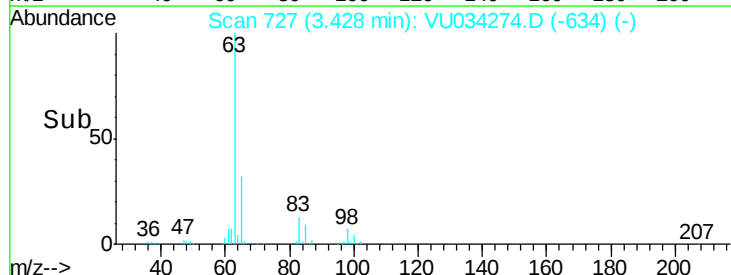
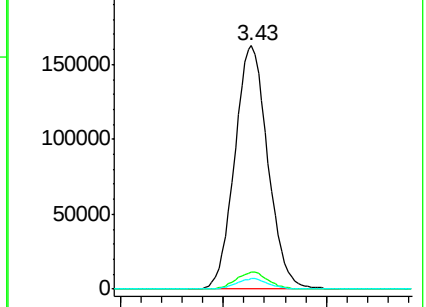
100 4.3 2.1 6.5

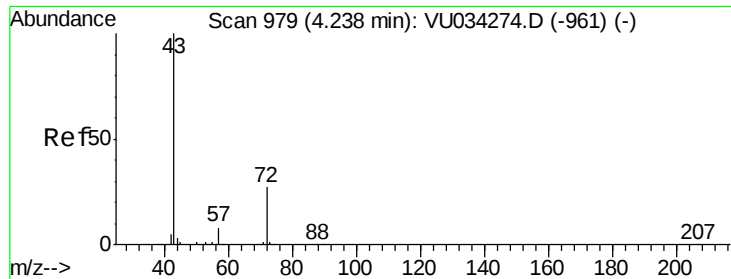


Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-708) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-708) (-)

Ion 99.90 (99.60 to 100.60): VU034274.D (-708) (-)





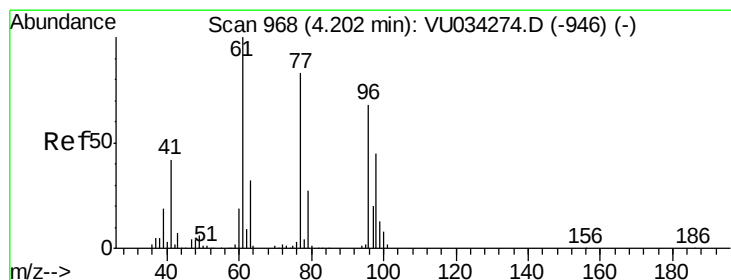
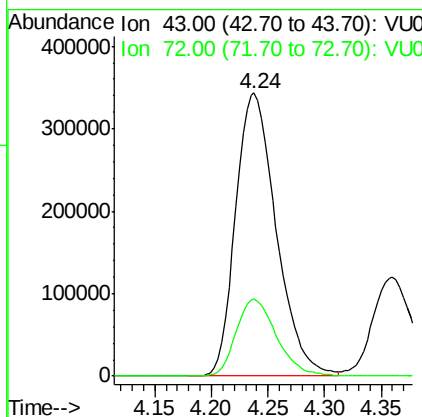
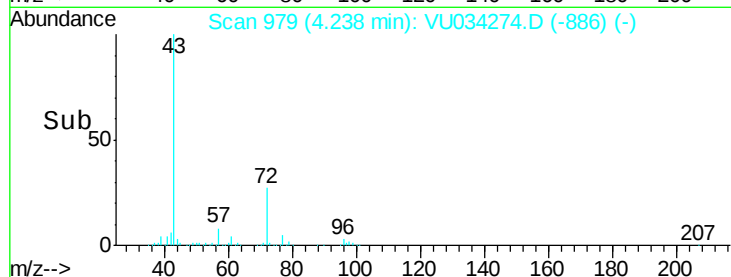
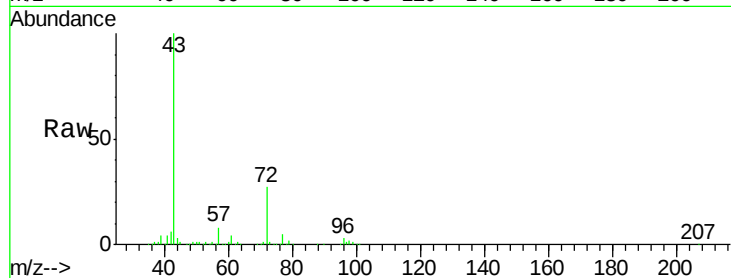
#25
2-Butanone
Concen: 290.389 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.8	32.6

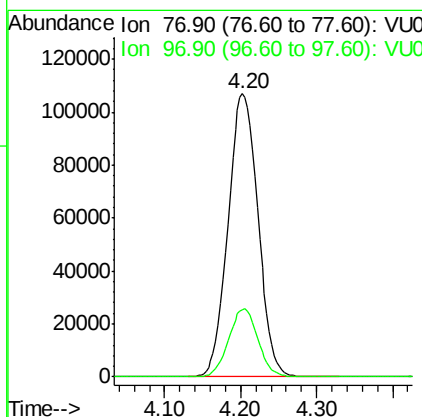
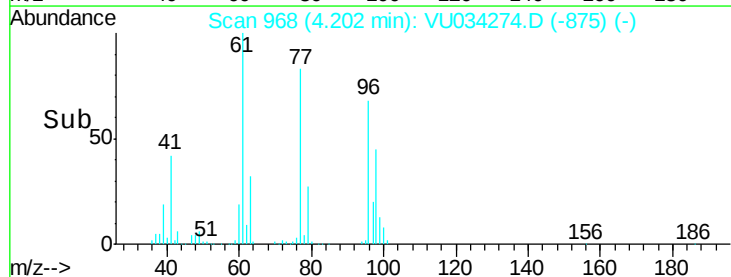
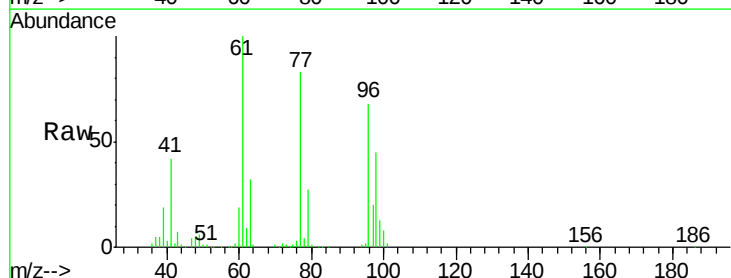
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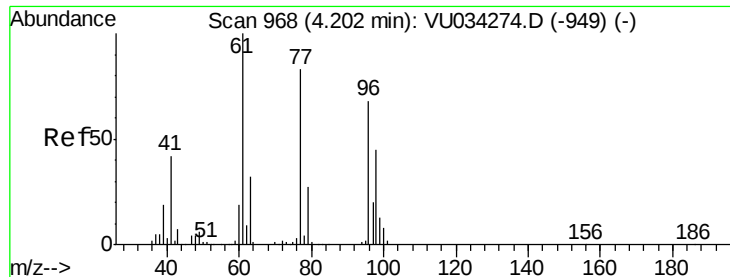
MMDadoda
9/6/2019 3:21:34 PM



#26
2,2-Dichloropropane
Concen: 54.905 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3





#27

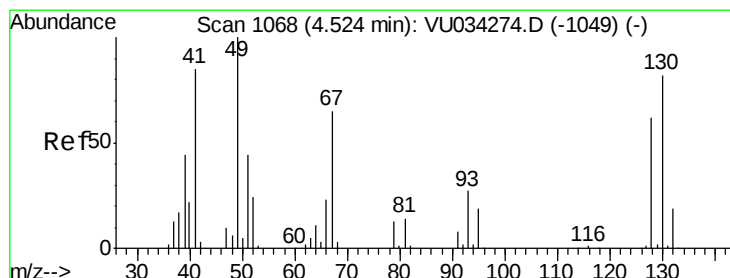
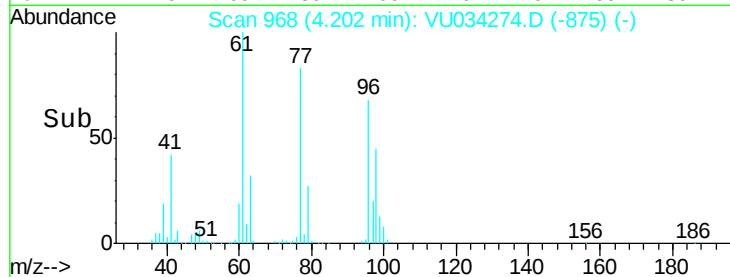
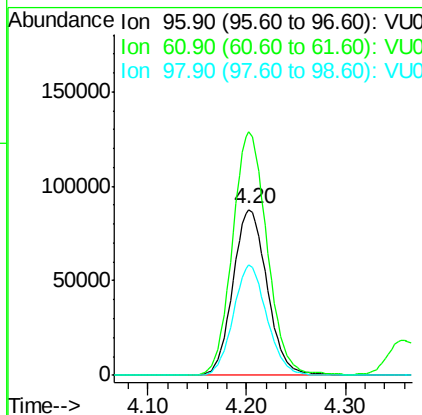
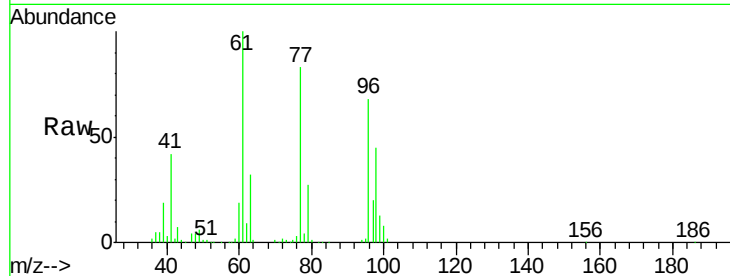
cis-1,2-Dichloroethene
Concen: 53.934 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	211324		
61	148.7	0.0	297.4	
98	65.0	0.0	130.0	

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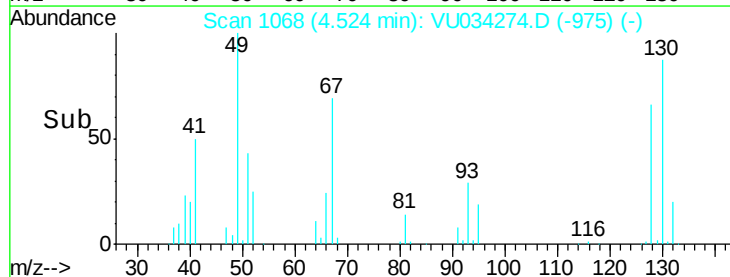
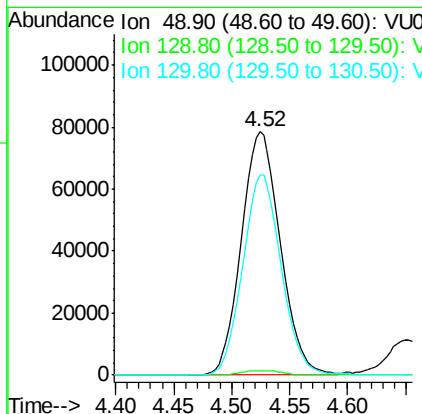
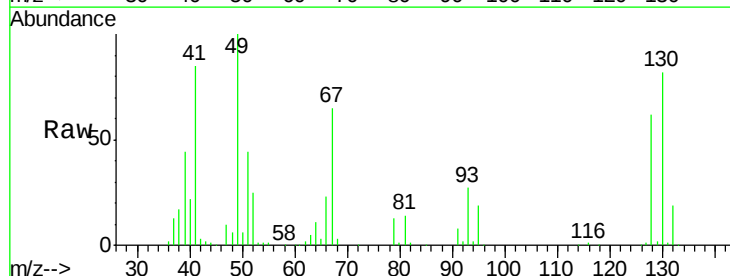
MMDadoda
9/6/2019 3:21:34 PM

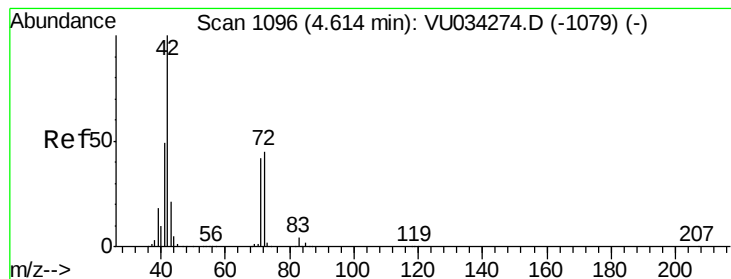


#28

Bromochloromethane
Concen: 56.455 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	183760		
129	1.9	0.0	3.8	
130	81.5	65.2	97.8	





#29

Tetrahydrofuran

Concen: 289.230 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

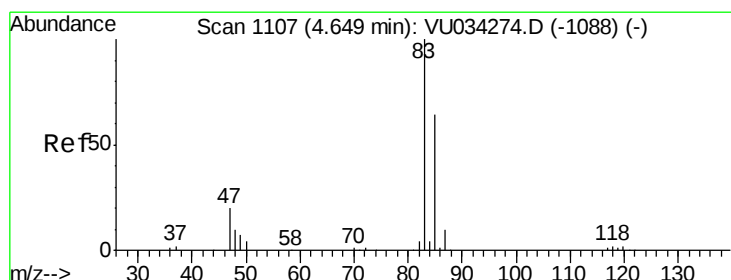
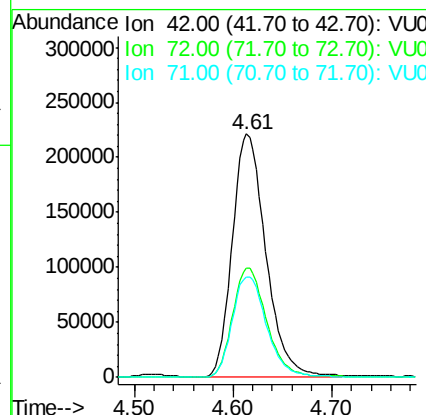
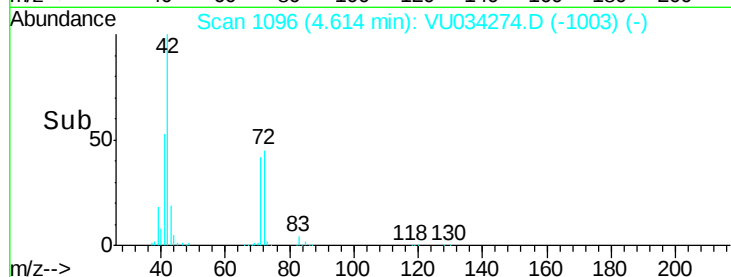
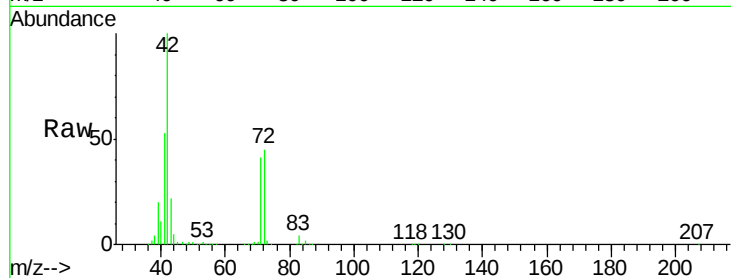
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	523433
Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.6	54.8
71	42.9	34.3	51.5

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#30

Chloroform

Concen: 54.994 ug/l

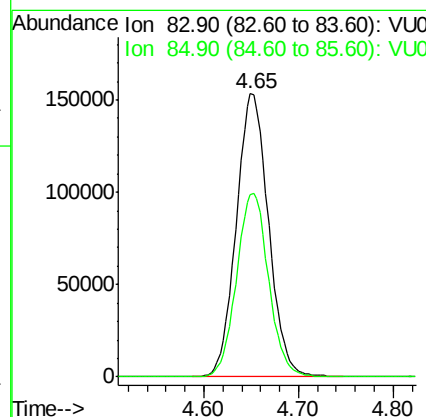
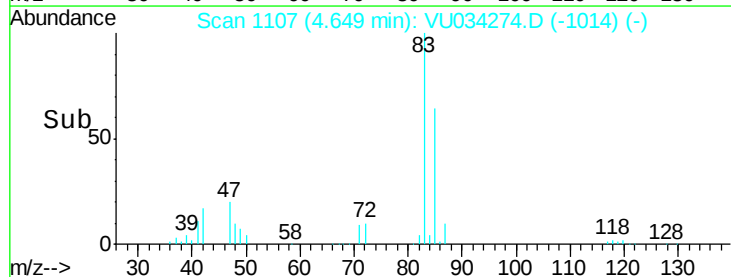
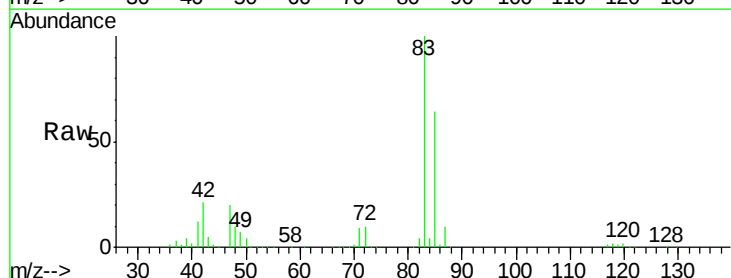
RT: 4.65 min Scan# 1107

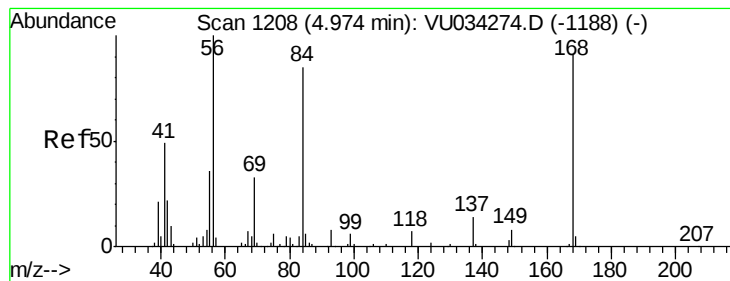
Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion:	83	Resp:	363133
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 44.981 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

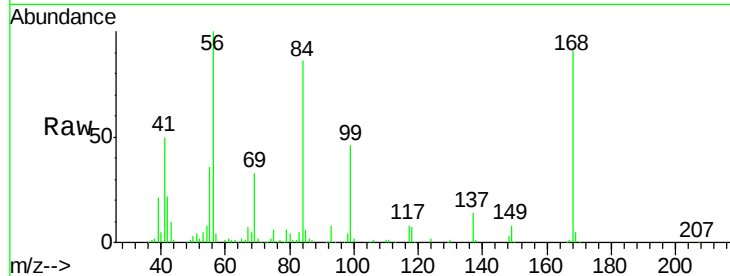
VSTDICCC050

Tot Ion: 56 Resp: 266075

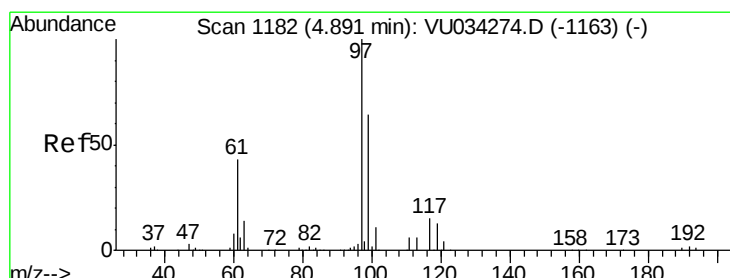
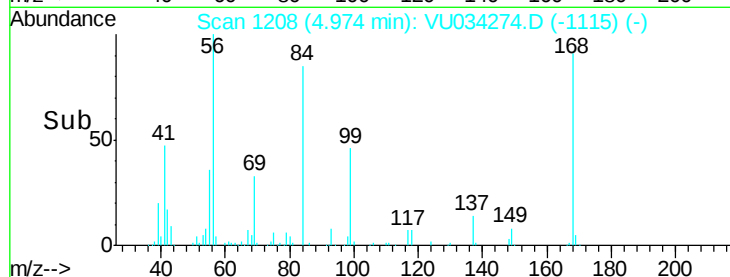
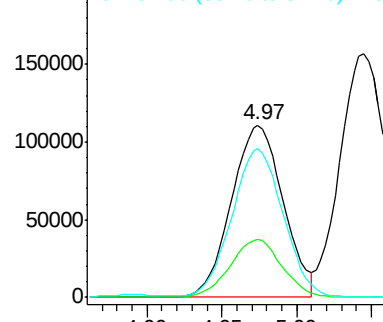
Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.7	40.1
84	85.3	68.2	102.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.851 ug/l

RT: 4.89 min Scan# 1182

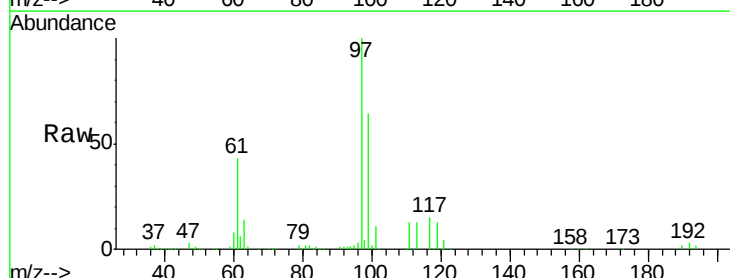
Delta R.T. 0.00 min

Lab File: VU034274.D

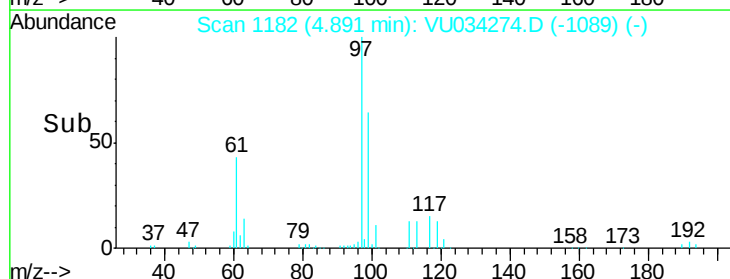
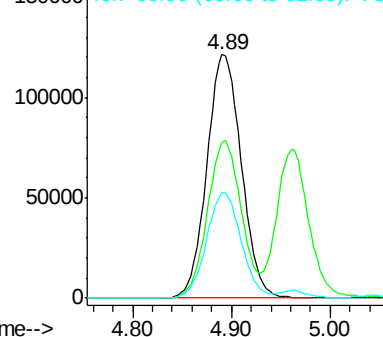
Acq: 05 Sep 2019 10:23

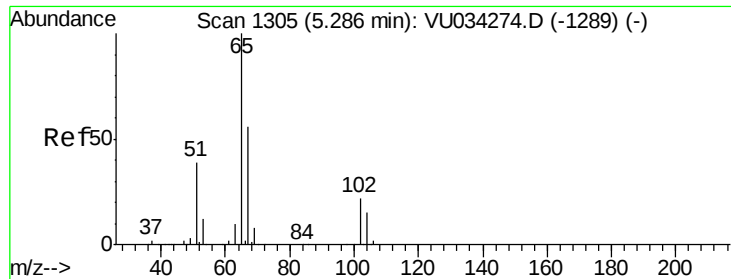
Tgt Ion: 97 Resp: 294573

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	43.4	34.7	52.1



Abundance Ion 96.90 (96.60 to 97.60): VU034274.D (-1163) (-)





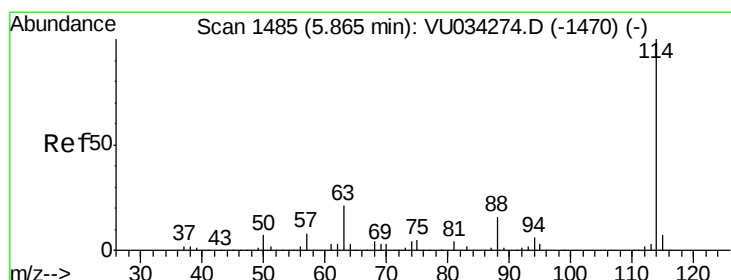
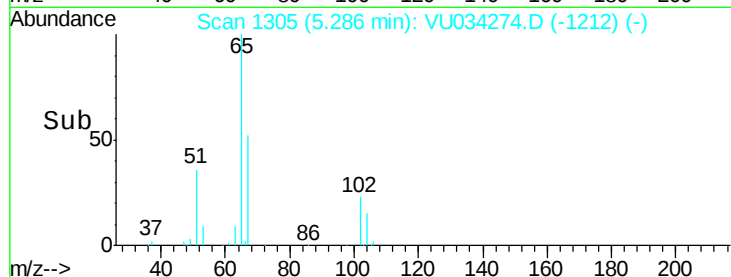
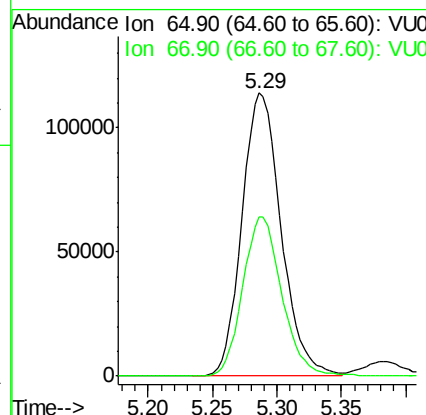
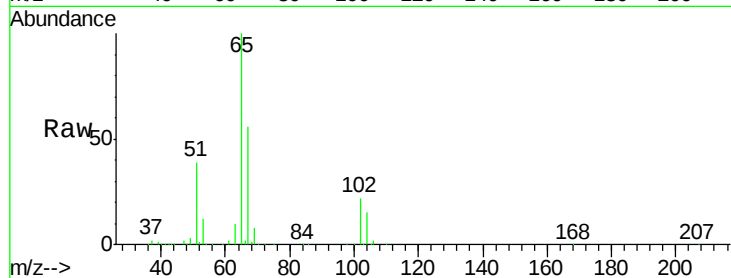
#33
 1,2-Dichloroethane-d4
 Concen: 57.301 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241693		
67	56.2	0.0	112.4	

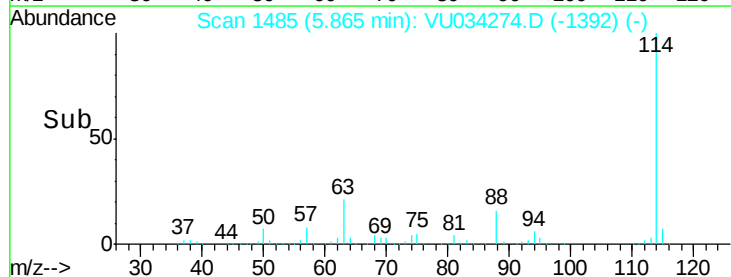
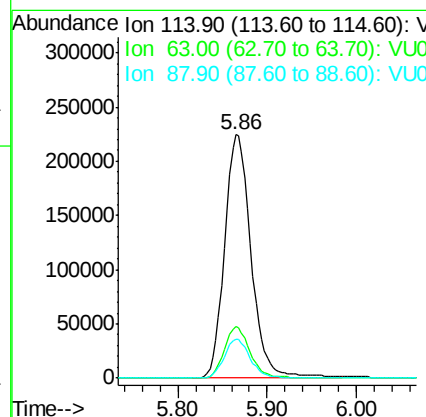
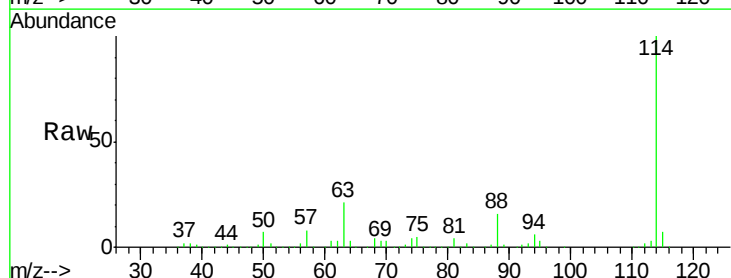
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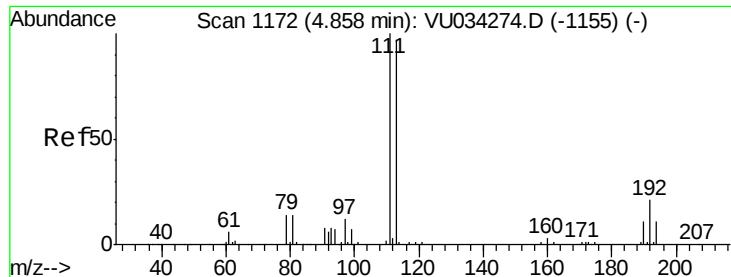
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	463253		
63	21.2	0.0	42.4	
88	16.2	0.0	32.4	





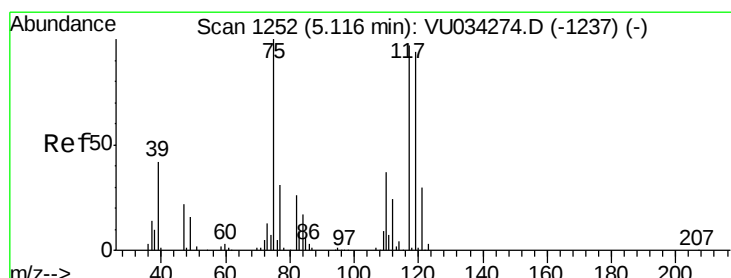
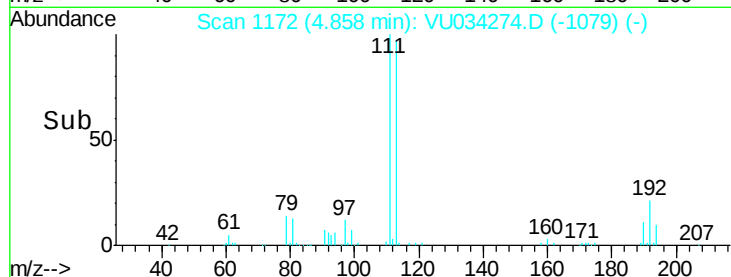
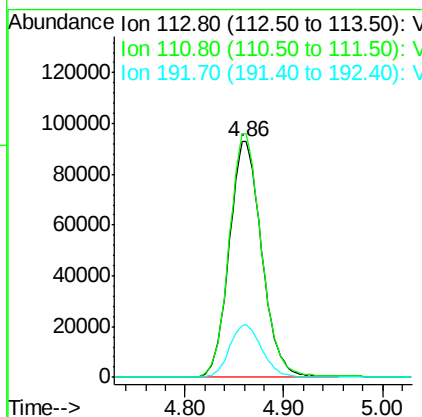
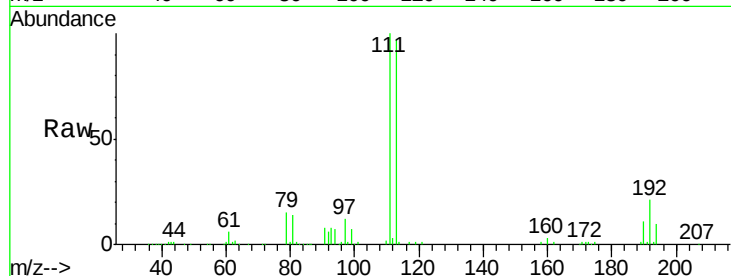
#35
 Dibromofluoromethane
 Concen: 62.575 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212578		
111	101.9	81.5	122.3	
192	22.3	17.8	26.8	

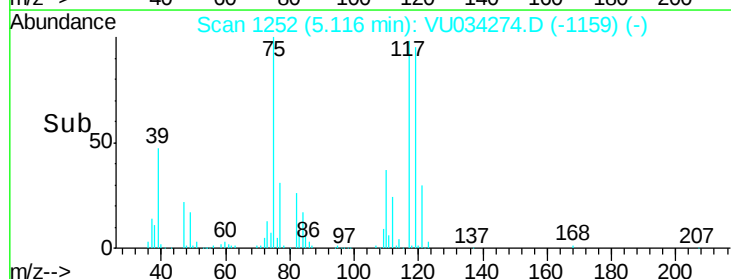
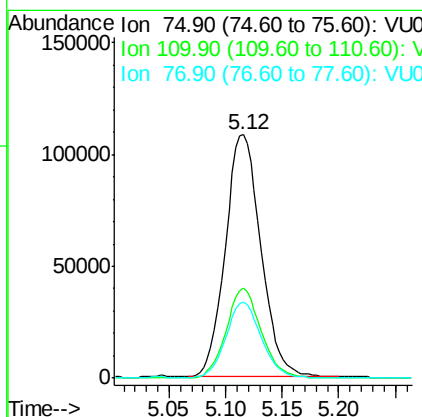
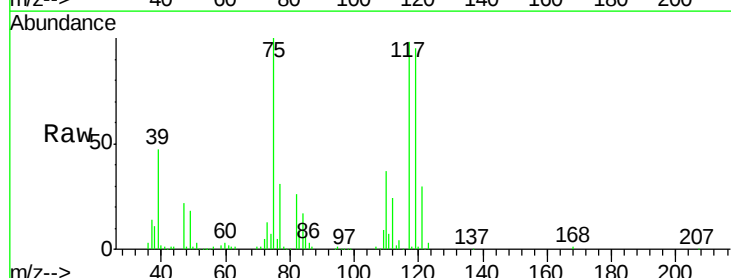
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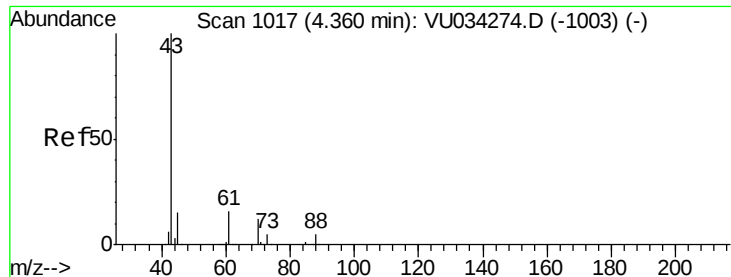
MMDadoda
 9/6/2019 3:21:34 PM



#36
 1,1-Dichloropropene
 Concen: 53.943 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	236682		
110	36.6	18.3	54.9	
77	31.1	24.9	37.3	





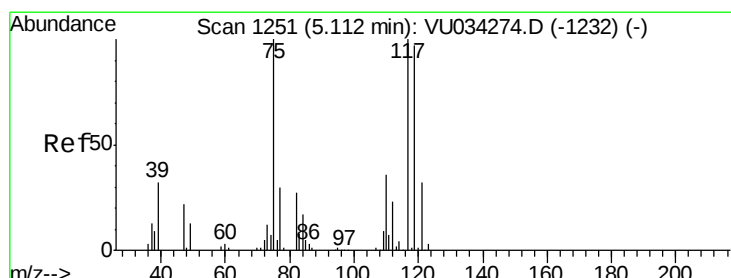
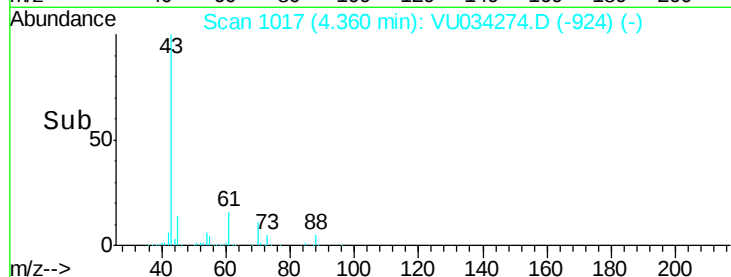
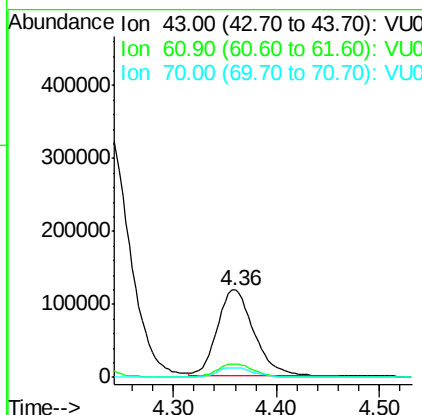
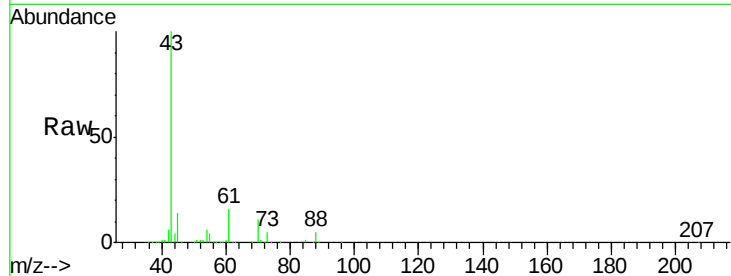
#37
Ethyl Acetate
Concen: 59.124 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.3	18.5
70	11.4	9.1	13.7

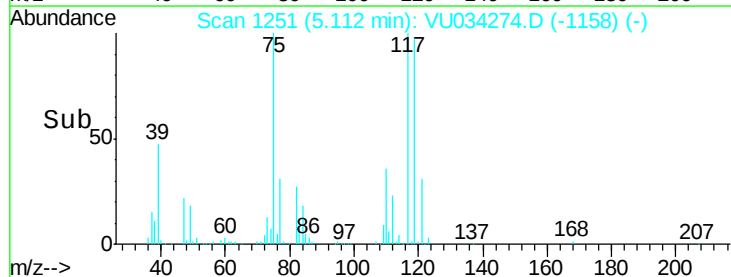
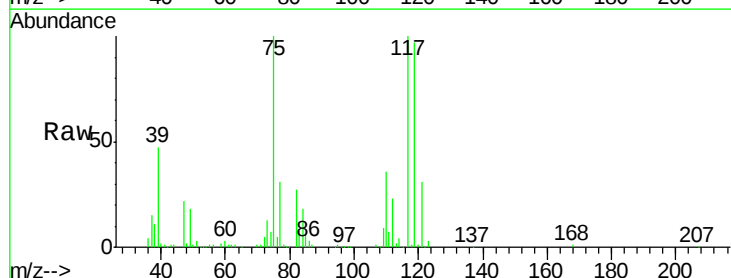
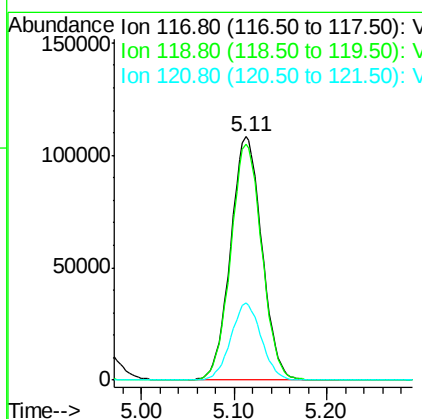
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 58.537 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	31.5	25.2	37.8





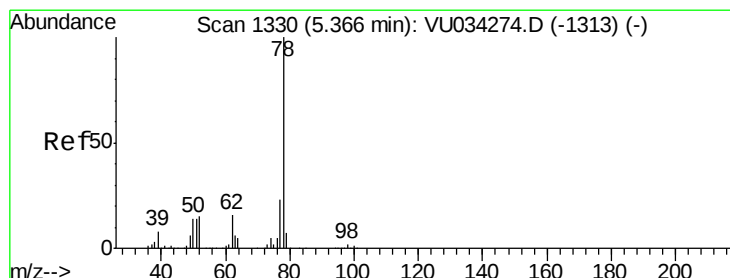
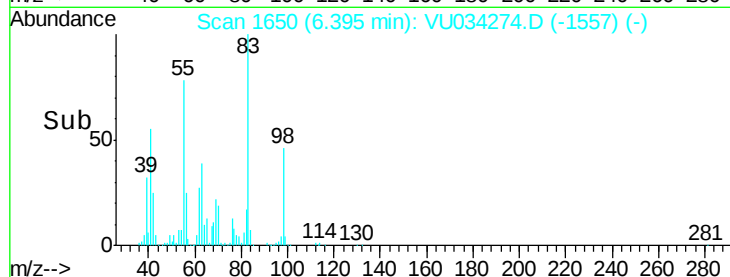
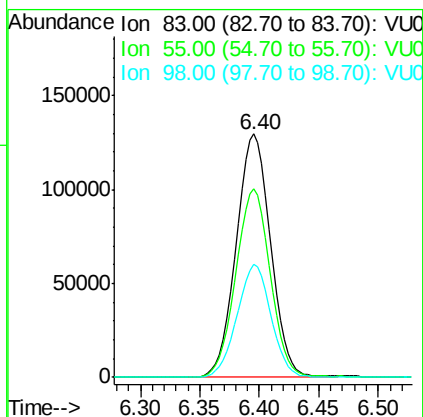
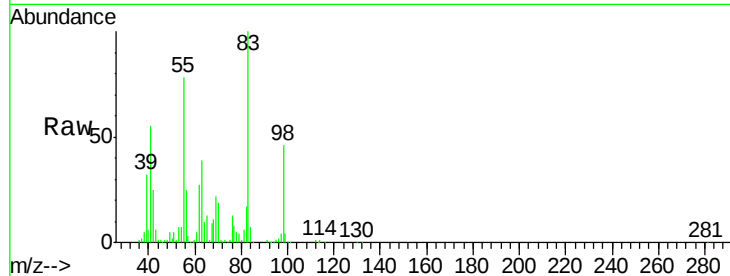
#39
Methylvlcyclohexane
Concen: 51.254 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.1	93.1
98	46.3	37.0	55.6

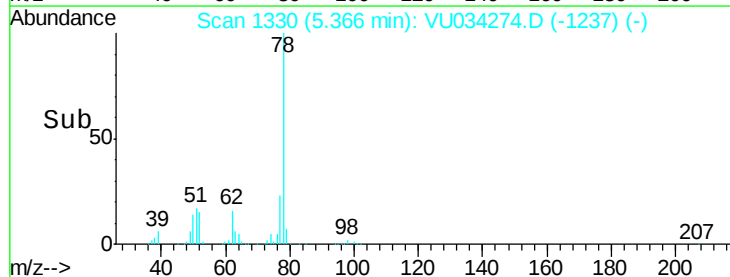
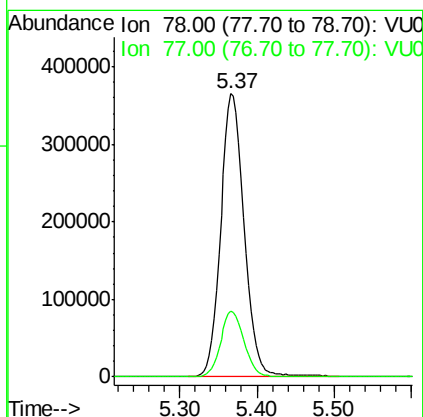
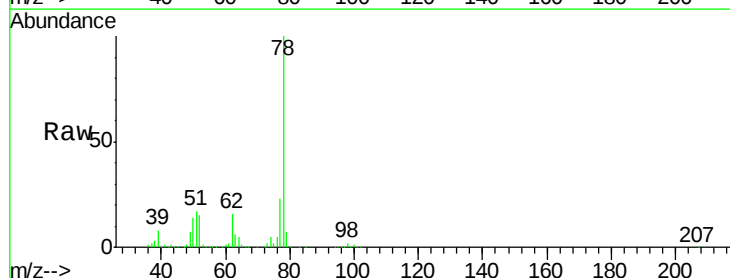
Manual Integrations
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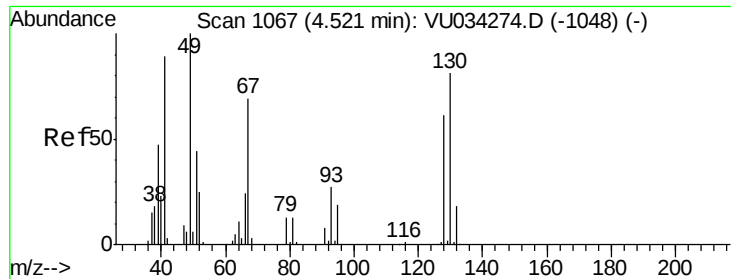
MMDadoda
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#40
Benzene
Concen: 57.473 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





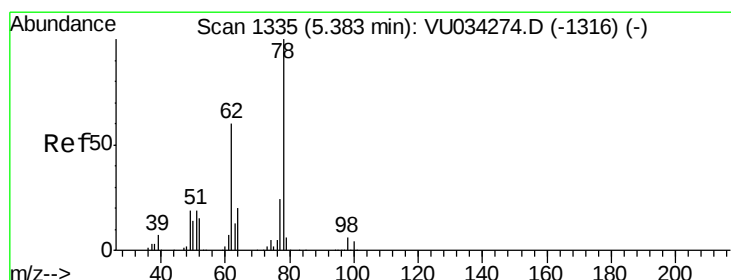
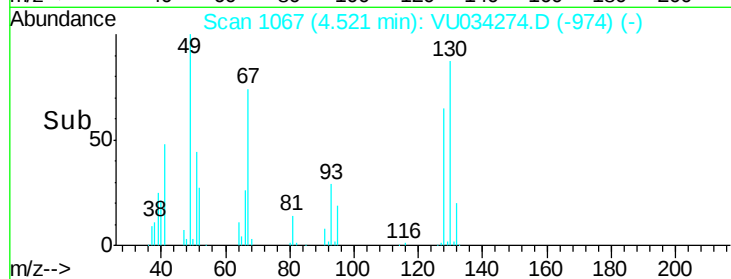
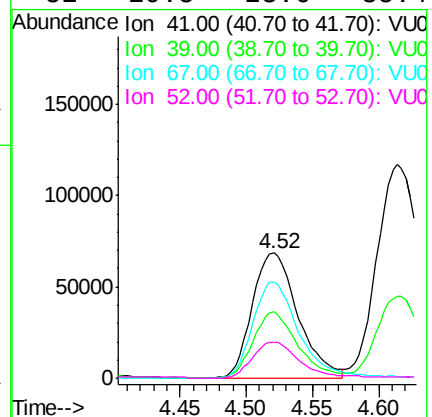
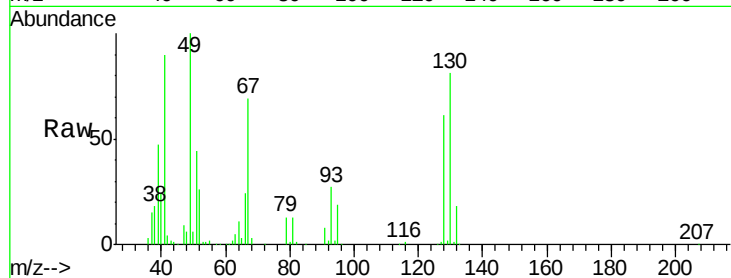
#41
Methacrylonitrile
Concen: 63.687 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	41.0	61.4
67	78.0	62.4	93.6
52	29.5	23.6	35.4

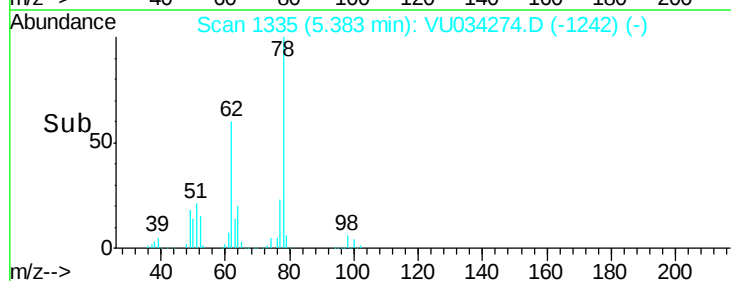
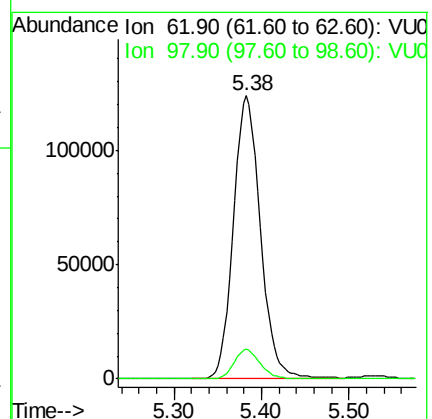
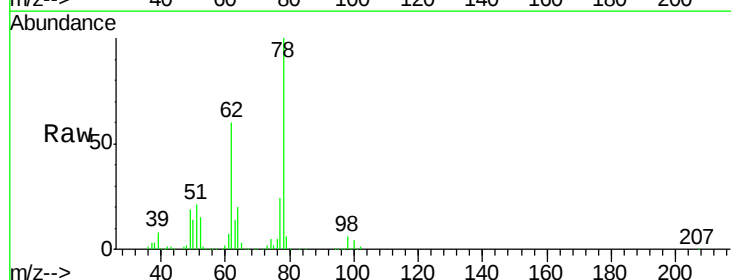
Manual Integrations
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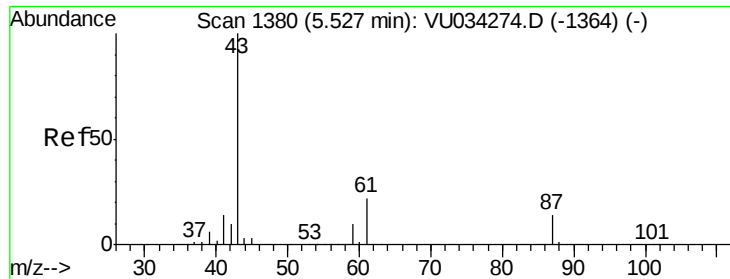
MMDadoda
9/6/2019 3:21:34 PM



#42
1,2-Dichloroethane
Concen: 57.400 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0





#43

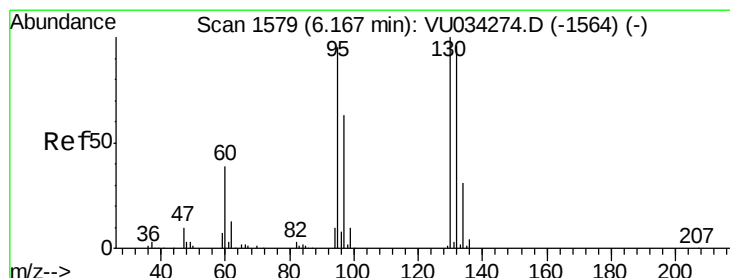
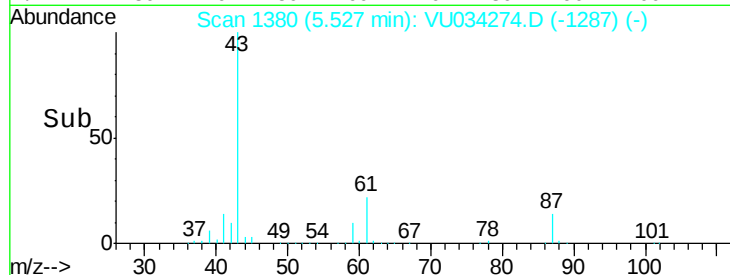
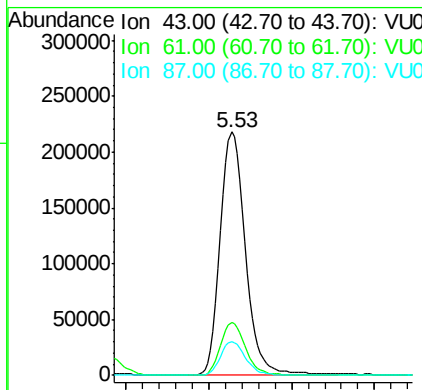
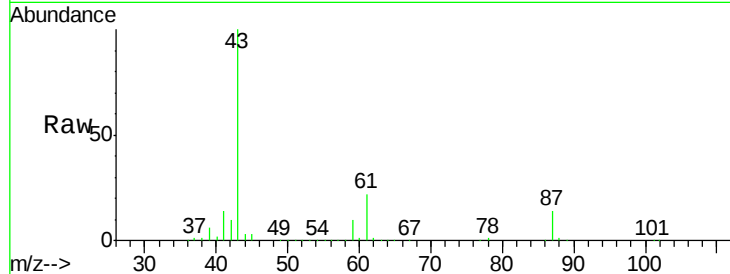
Isopropyl Acetate
 Concen: 60.200 ug/l
 RT: 5.53 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.1	25.7
87	13.9	11.1	16.7

Manual Integrations
 APPROVED

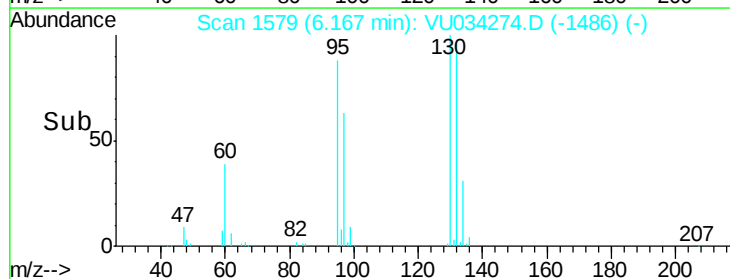
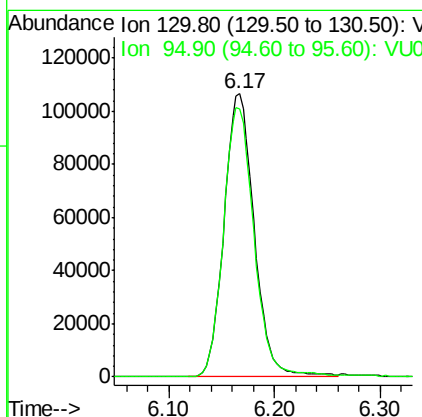
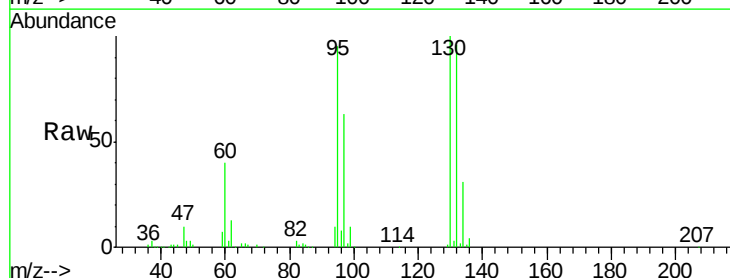
MMDadoda
 9/6/2019 3:21:34 PM

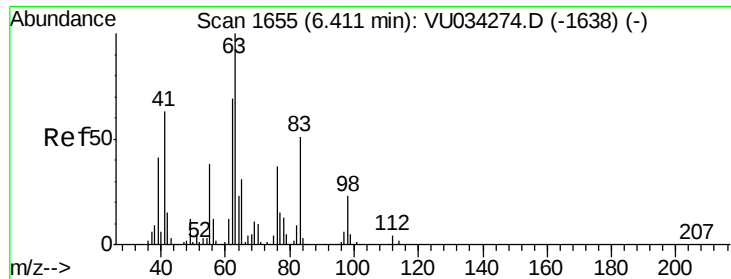


#44

Trichloroethene
 Concen: 59.033 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	189.2





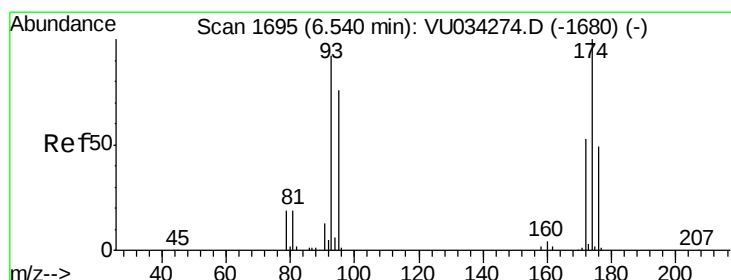
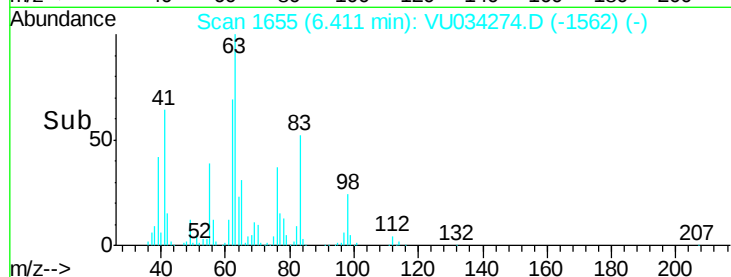
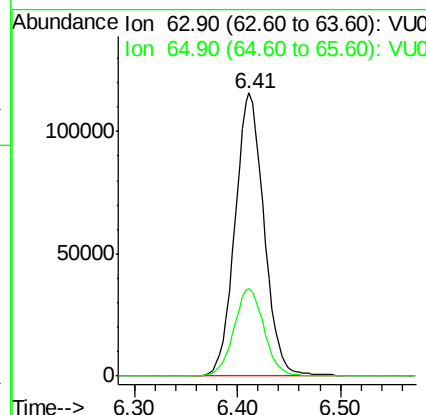
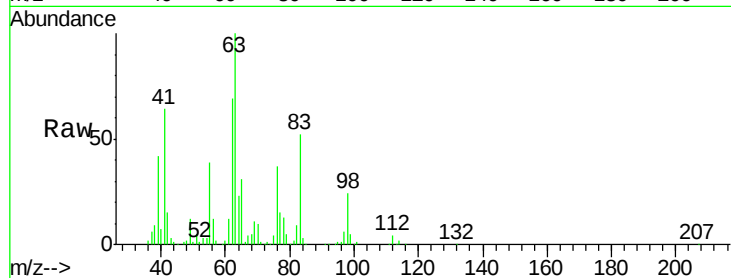
#45
 1,2-Dichloropropane
 Concen: 60.747 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

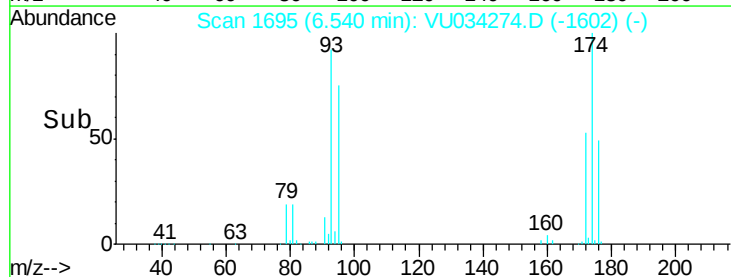
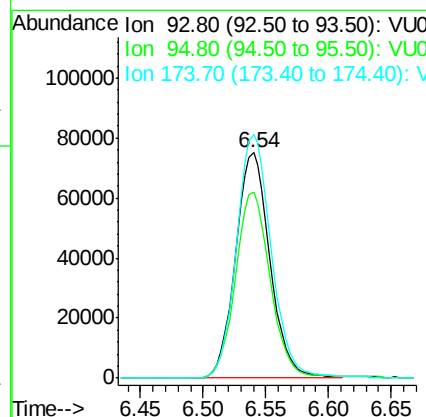
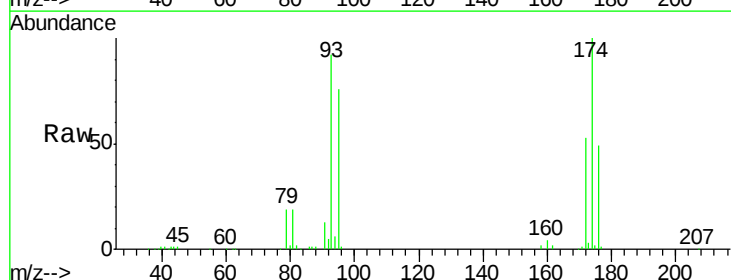
Manual Integrations
 APPROVED

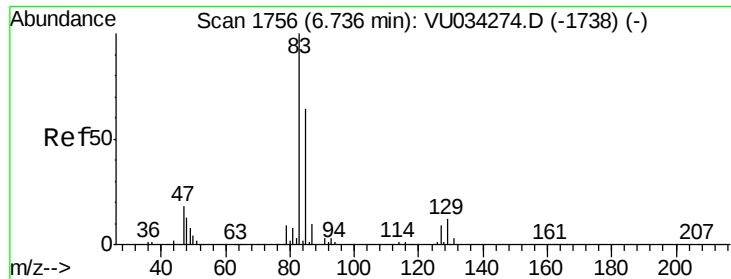
MMDadoda
 9/6/2019 3:21:34 PM



#46
 Dibromomethane
 Concen: 59.535 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	109.7	87.8	131.6





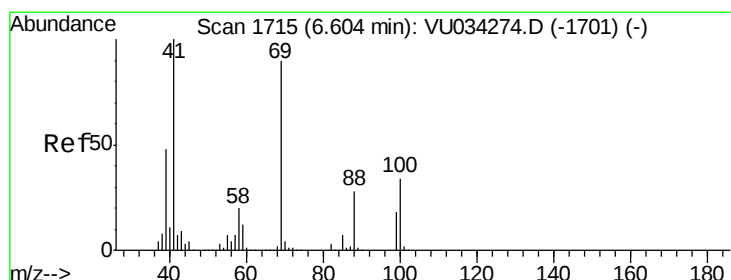
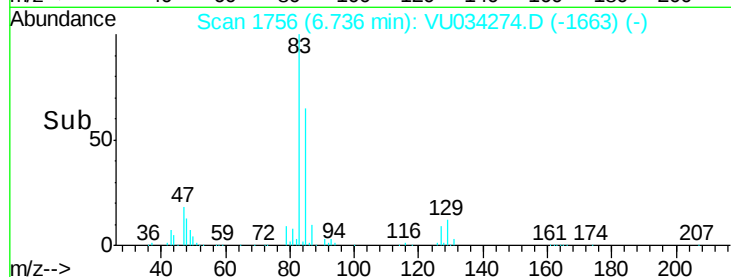
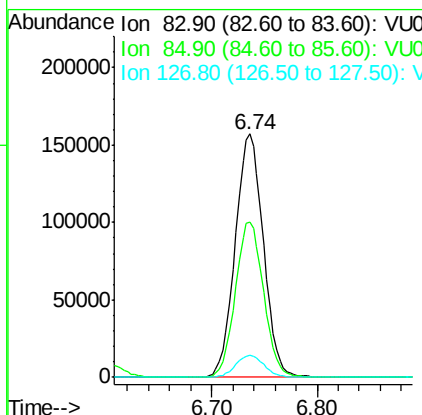
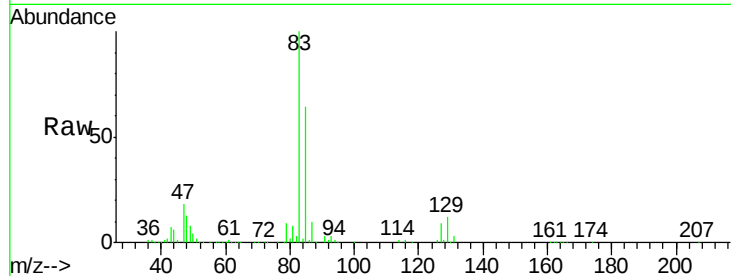
#47
 Bromodichloromethane
 Concen: 61.346 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291022		
85	63.9		51.1	76.7
127	9.0		7.2	10.8

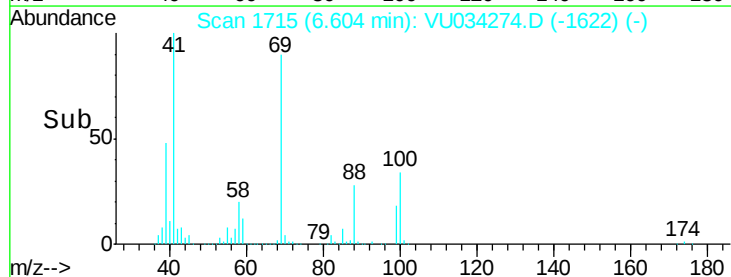
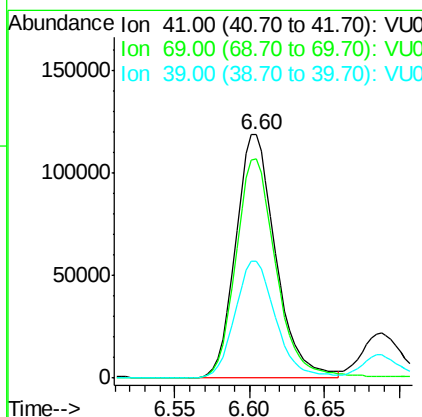
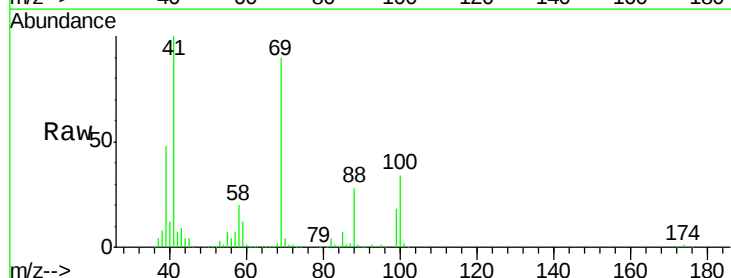
Manual Integrations
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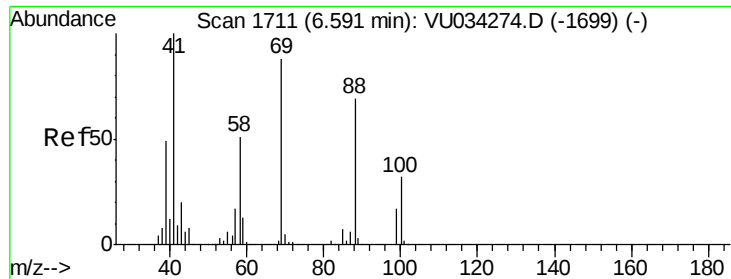
MMDadoda
 9/6/2019 3:21:34 PM



#48
 Methyl methacrylate
 Concen: 60.238 ug/l
 RT: 6.60 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	219878		
69	91.0		72.8	109.2
39	48.3		38.6	58.0





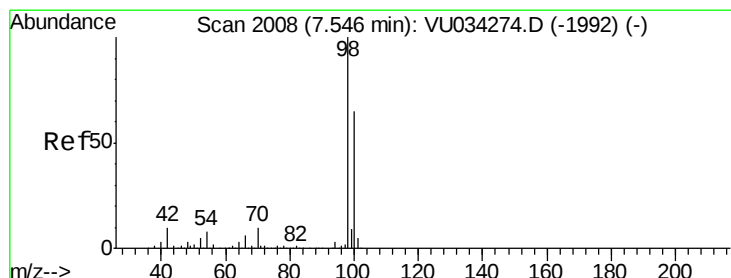
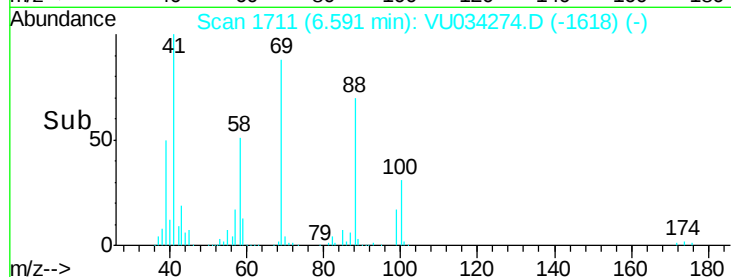
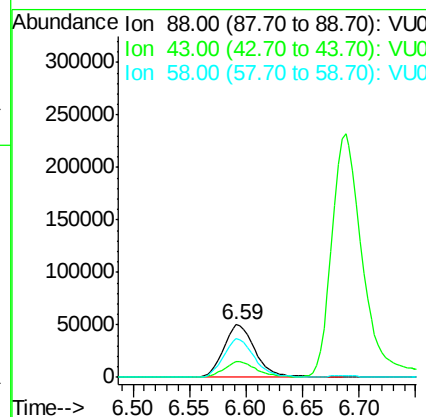
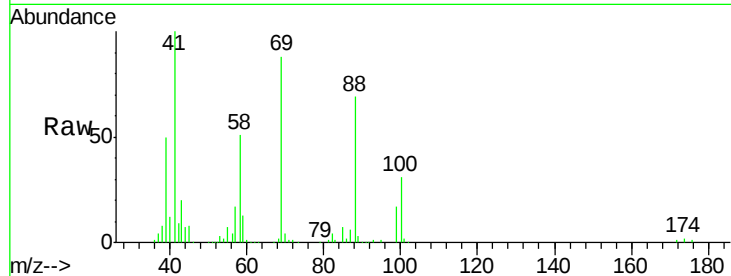
#49
1,4-Dioxane
Concen: 1069.846 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.8	35.6
58	73.0	58.4	87.6

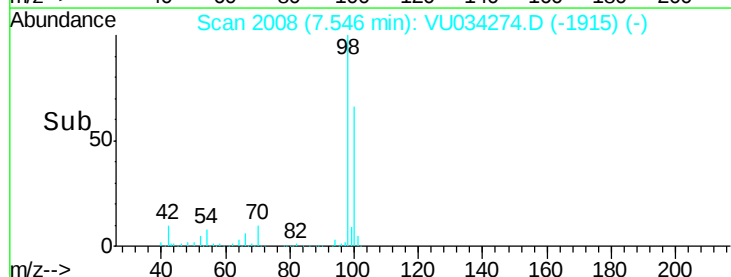
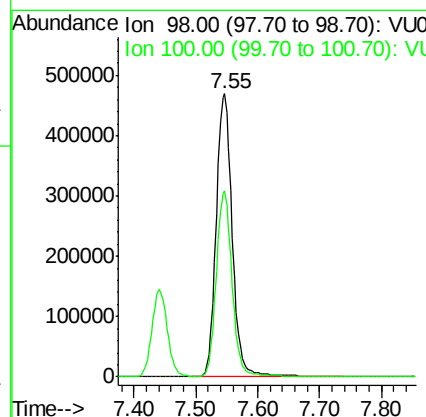
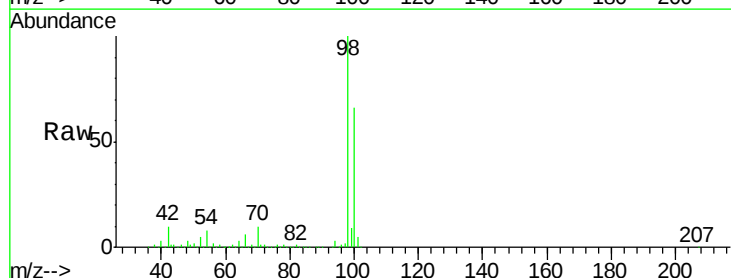
Manual Integrations
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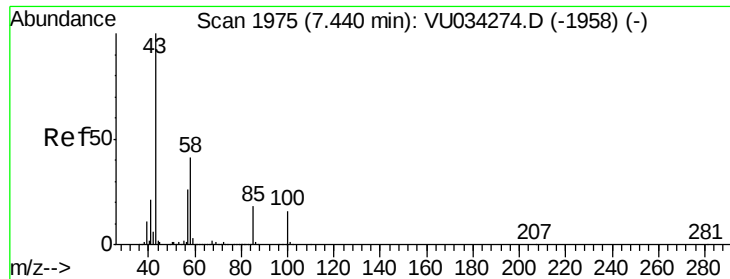
MMDadoda
9/6/2019 3:21:34 PM



#50
Toluene-d8
Concen: 66.049 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 304.839 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1609448

Ion Ratio Lower Upper

43 100

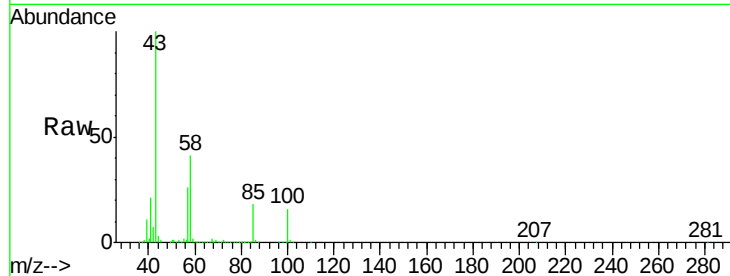
58 41.2 33.0 49.4

Manual Integrations

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MMDadoda

9/6/2019 3:21:34 PM

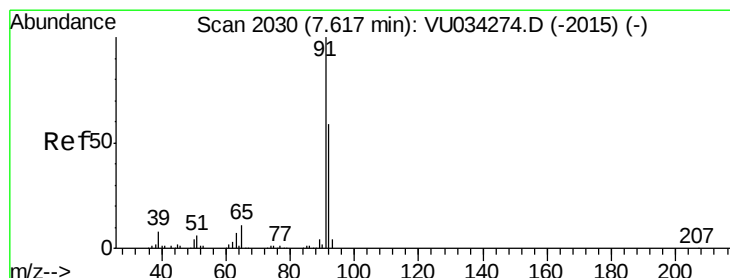
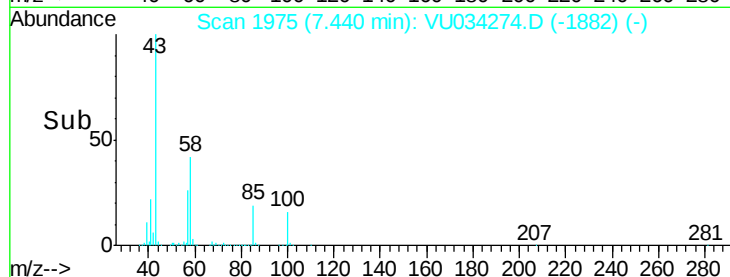


Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)

7.44

Time-->



#52

Toluene

Concen: 59.937 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034274.D

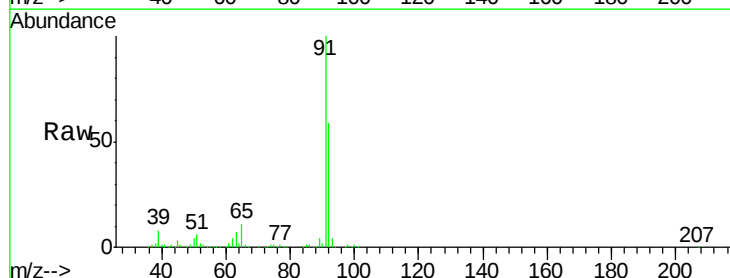
Acq: 05 Sep 2019 10:23

Tgt Ion: 92 Resp: 499399

Ion Ratio Lower Upper

92 100

91 170.8 136.6 205.0

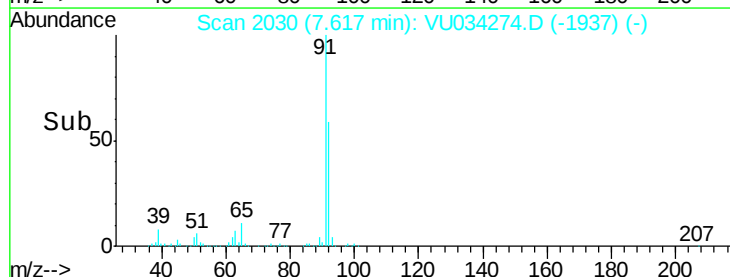


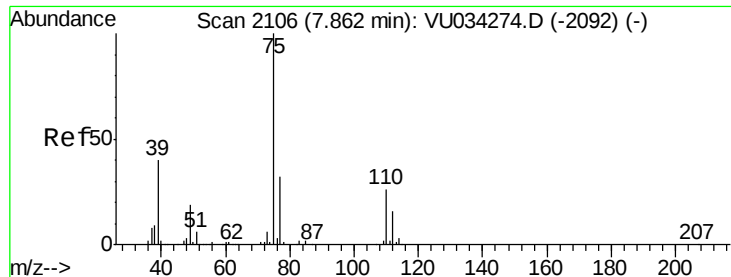
Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-1915) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-1915) (-)

7.62

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.669 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tot Ion: 75 Resp: 310390

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

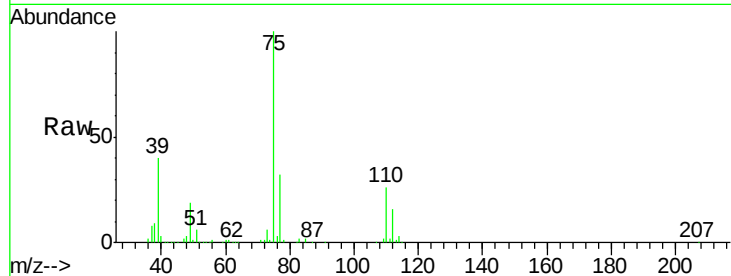
VSTDICCC050

Manual Integrations

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9/6/2019 3:21:34 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

200000

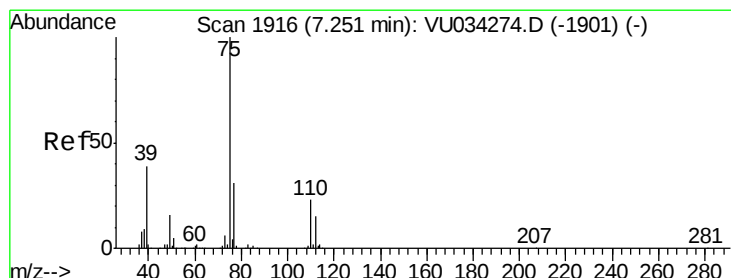
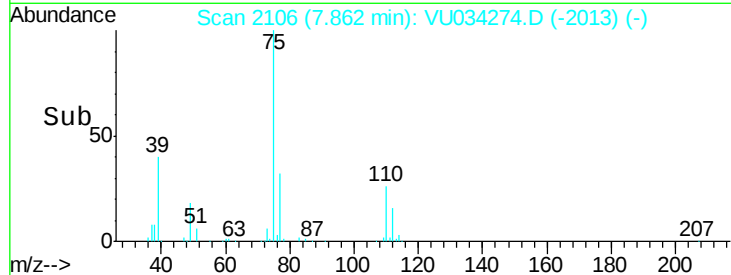
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 60.540 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

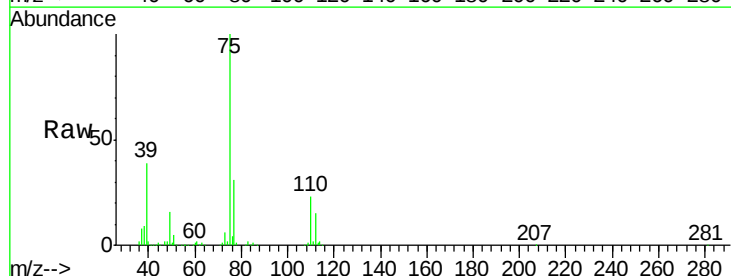
Tgt Ion: 75 Resp: 345279

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 39.0 31.2 46.8



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

250000

200000

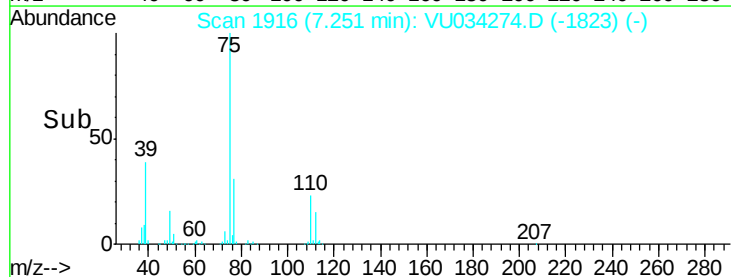
150000

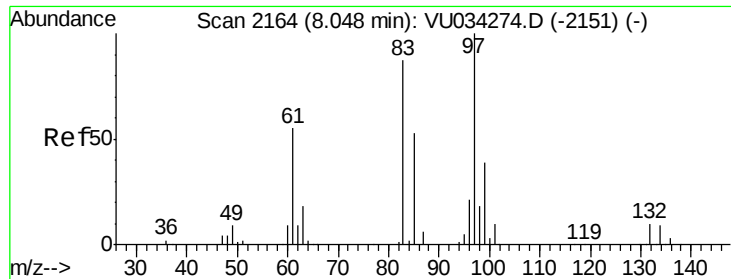
100000

50000

0

Time-->





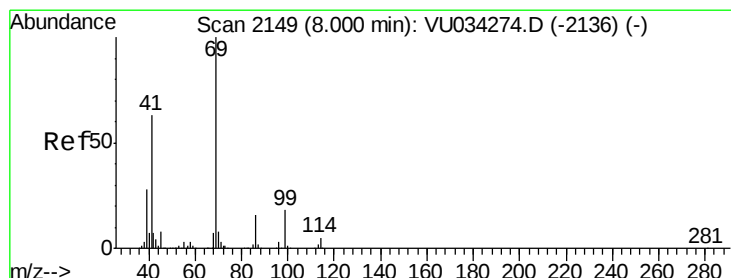
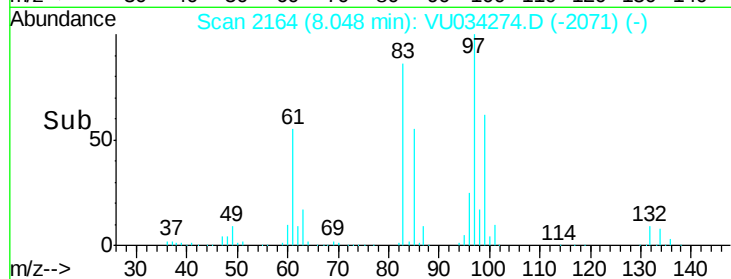
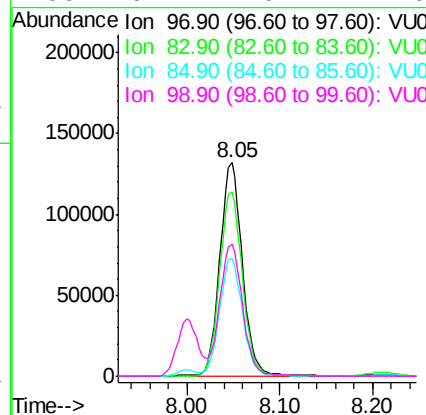
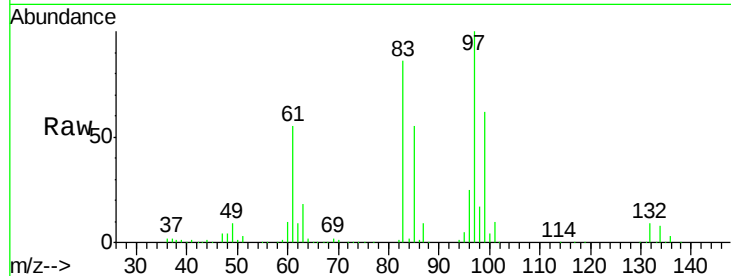
#55
 1,1,2-Trichloroethane
 Concen: 62.028 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	221639
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.2	44.2	66.2
99	61.7	49.4	74.0

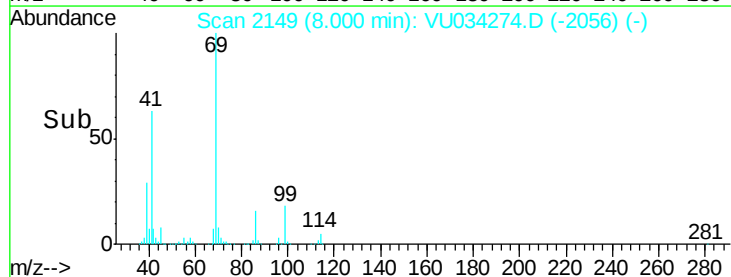
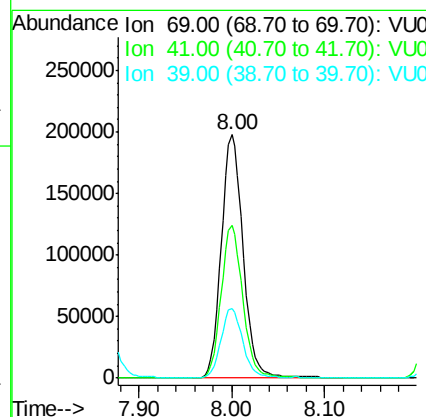
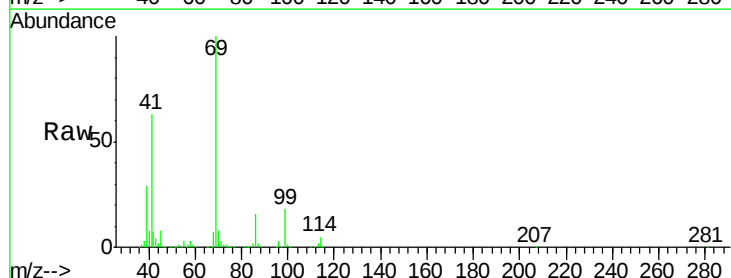
Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:34 PM



#56
 Ethyl methacrylate
 Concen: 61.384 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion:	69	Resp:	323651
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.5	74.3
39	28.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 59.915 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 360787

Ion Ratio Lower Upper

76 100

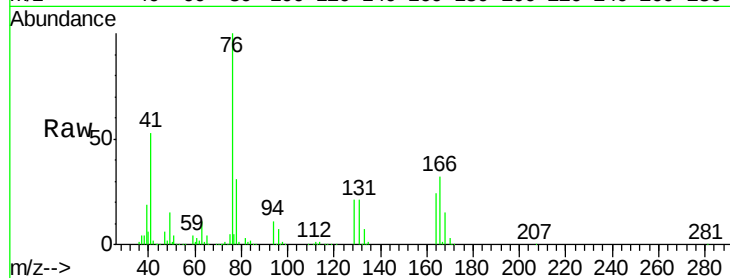
78 31.8 25.4 38.2

Manual Integrations

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MMDadoda

9/6/2019 3:21:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

250000

200000

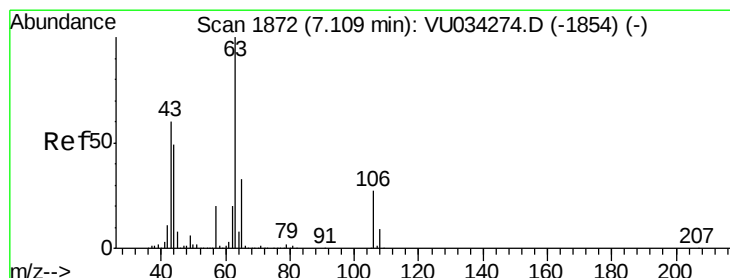
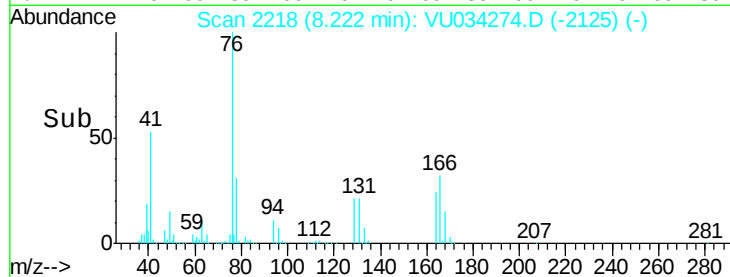
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 309.086 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034274.D

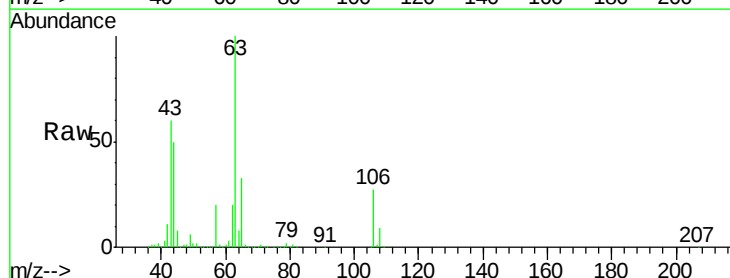
Acq: 05 Sep 2019 10:23

Tgt Ion: 63 Resp: 588438

Ion Ratio Lower Upper

63 100

106 27.0 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

400000

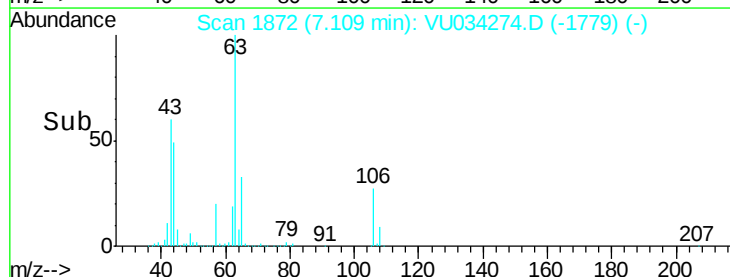
300000

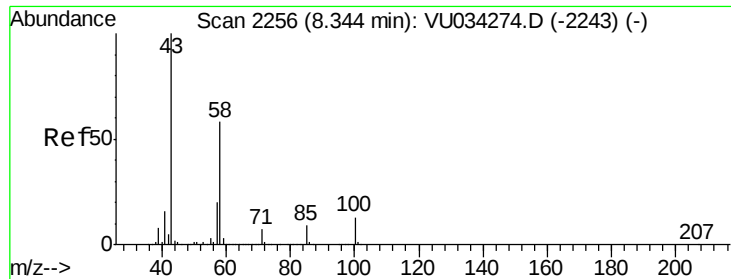
200000

100000

0

Time-->





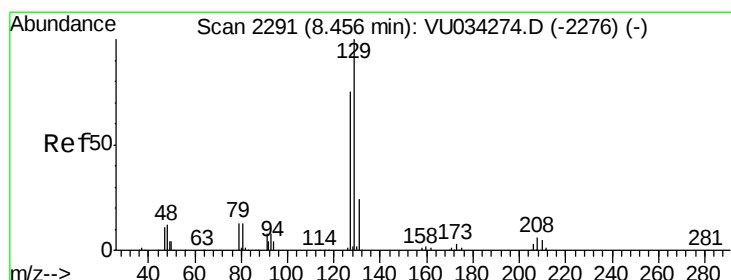
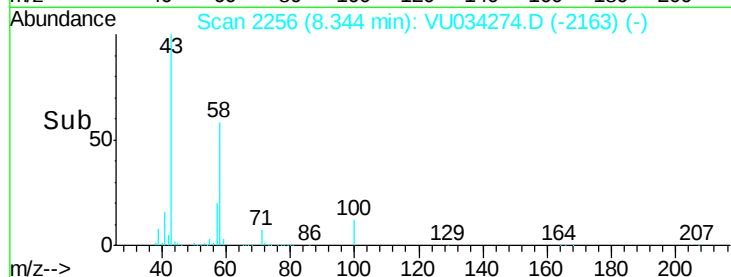
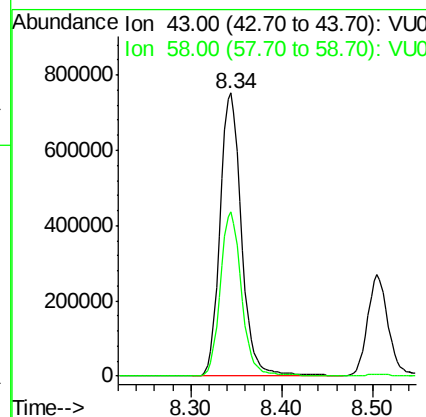
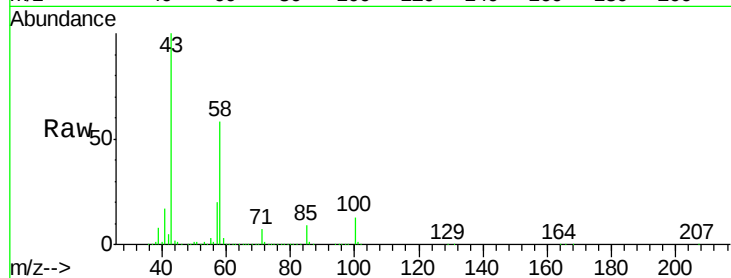
#59
2-Hexanone
Concen: 309.611 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1232632
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.5

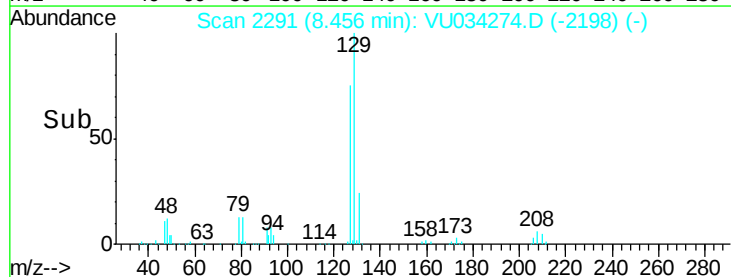
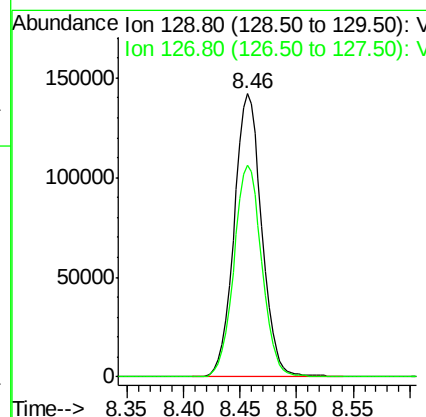
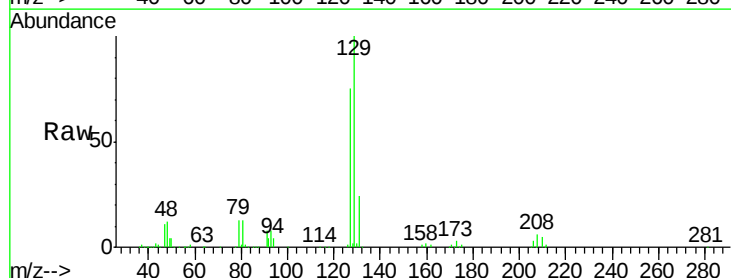
Manual Integrations
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9/6/2019 3:21:34 PM



#60
Dibromochloromethane
Concen: 62.674 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion: 129 Resp: 241313
Ion Ratio Lower Upper
129 100
127 75.8 37.9 113.7





#61

1,2-Dibromoethane

Concen: 59.133 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 220228

Ion Ratio Lower Upper

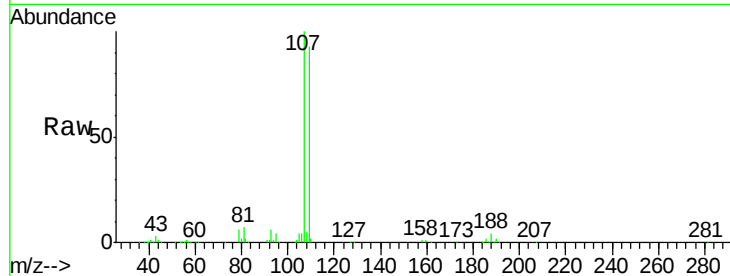
107 100

109 93.8 75.0 112.6

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

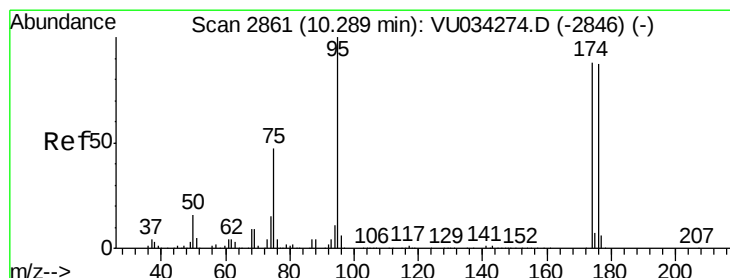
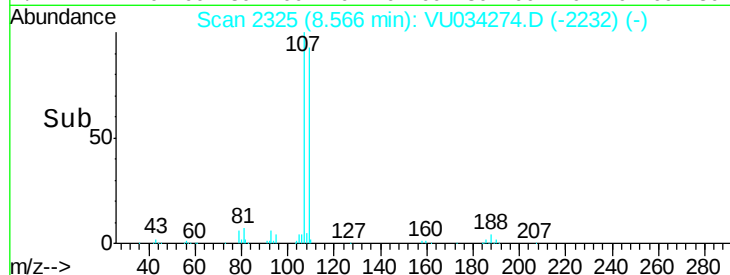
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 62.395 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

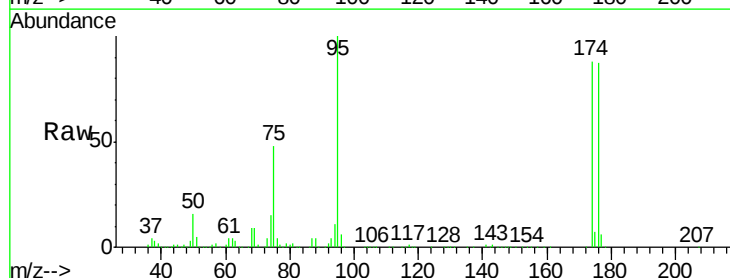
Tgt Ion: 95 Resp: 309031

Ion Ratio Lower Upper

95 100

174 87.6 0.0 175.2

176 84.0 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

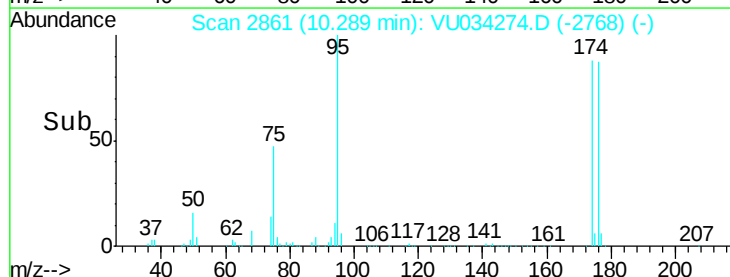
150000

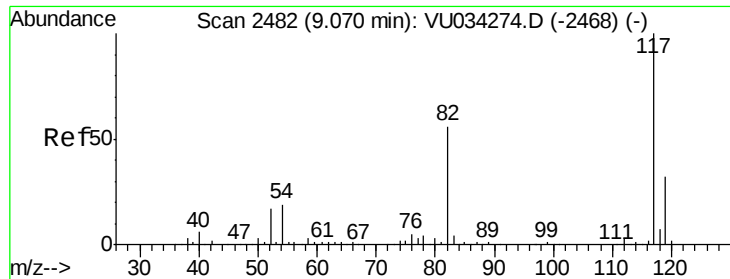
100000

50000

0

Time-->





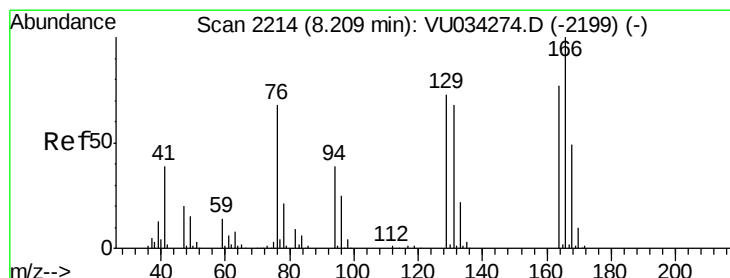
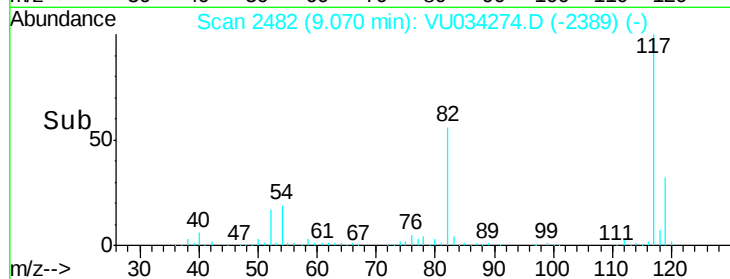
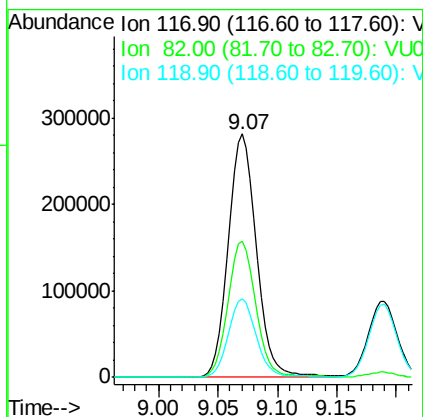
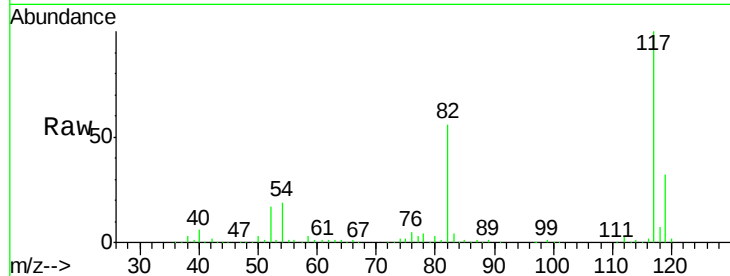
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	32.4	25.9	38.9

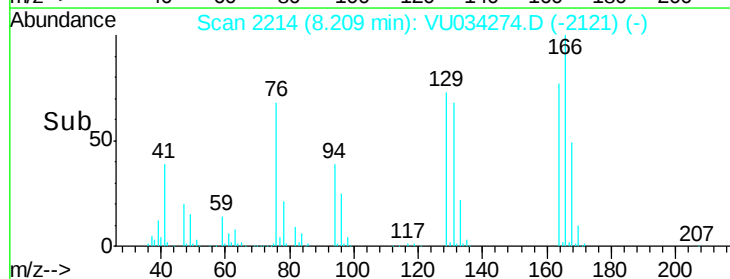
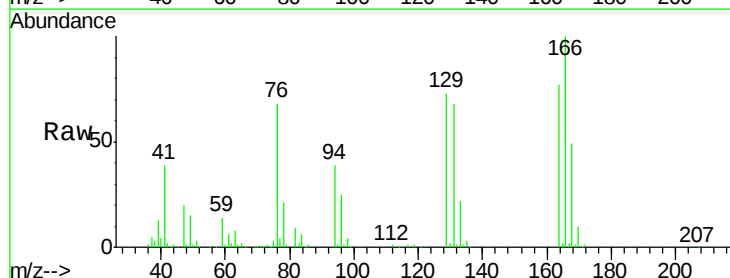
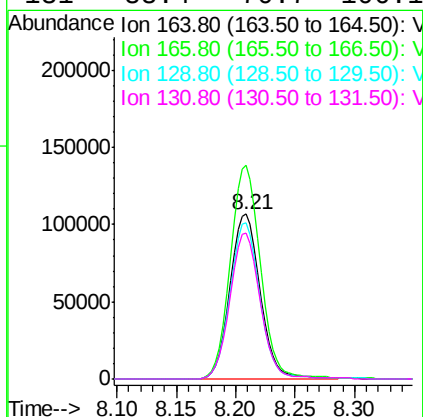
Manual Integrations
APPROVED

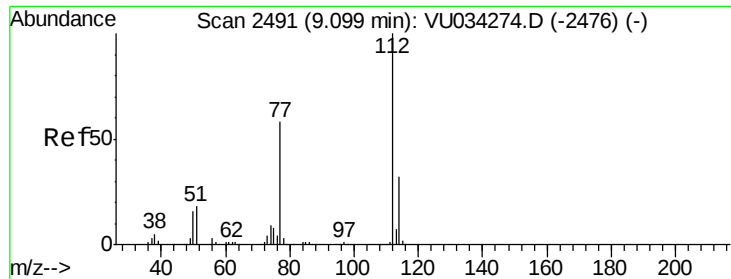
MMDadoda
9/6/2019 3:21:34 PM



#64
Tetrachloroethene
Concen: 59.128 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.7	155.5
129	94.8	75.8	113.8
131	88.4	70.7	106.1





#65

Chlorobenzene

Concen: 58.170 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 566779

Ion Ratio Lower Upper

112 100

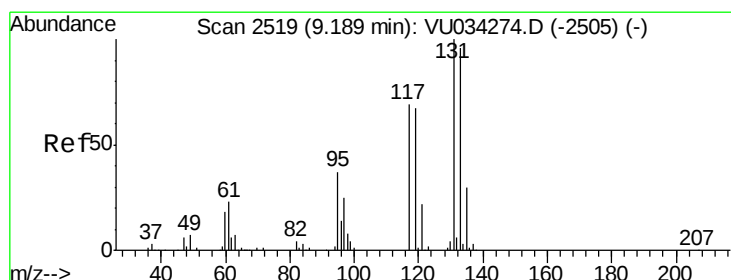
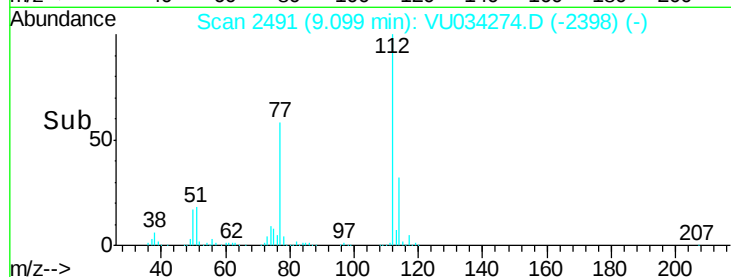
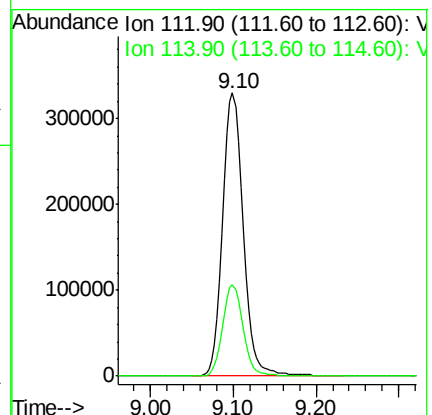
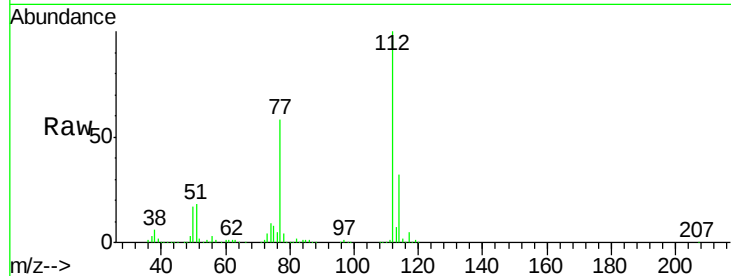
114 32.4 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 59.356 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

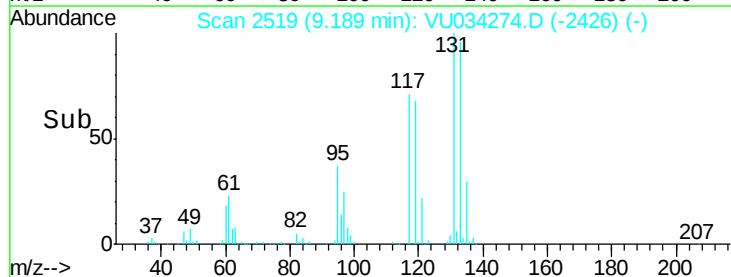
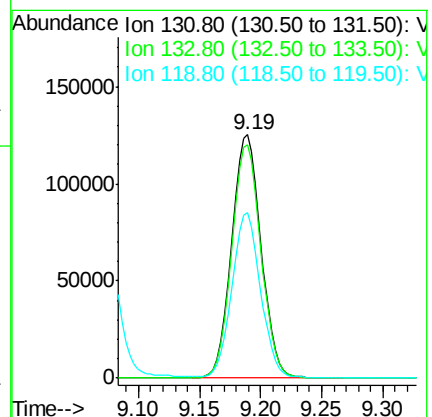
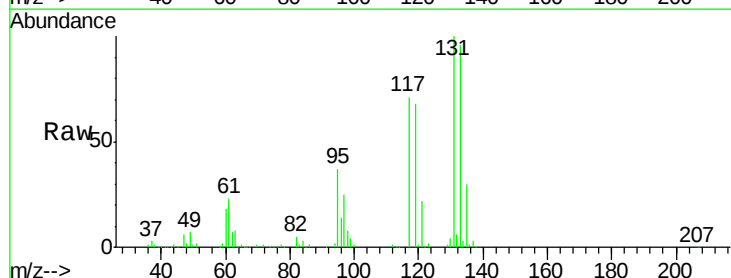
Tgt Ion:131 Resp: 211306

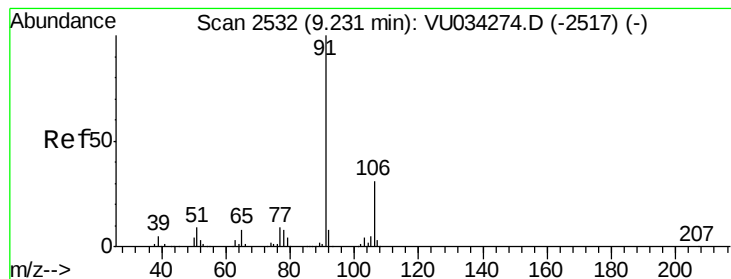
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 58.243 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 954941

Ion Ratio Lower Upper

91 100

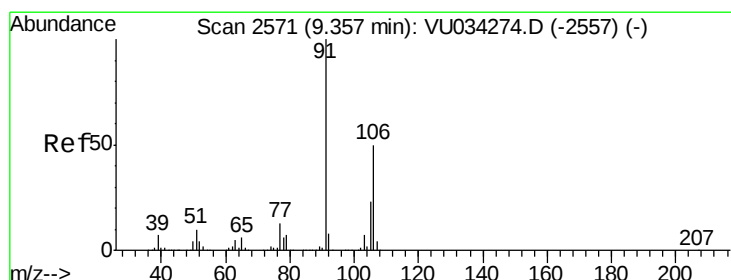
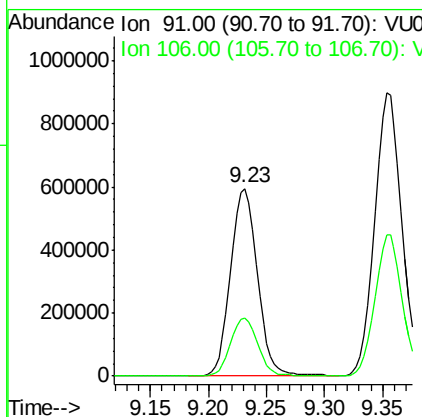
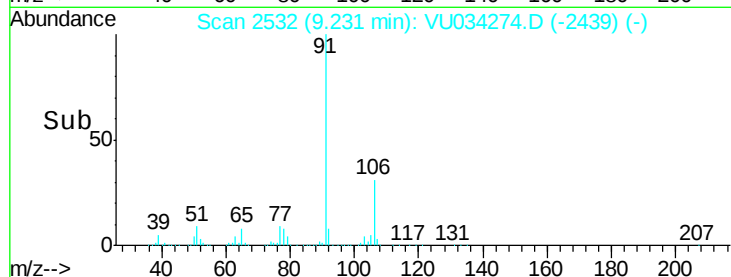
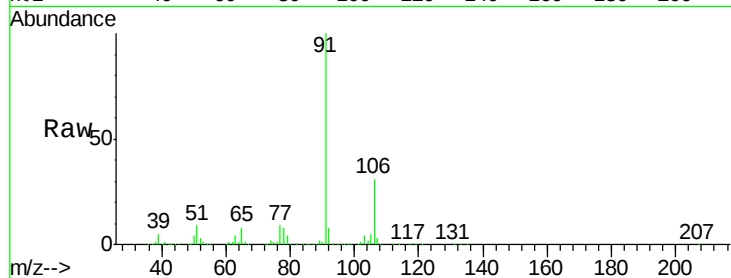
106 31.0 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 119.290 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034274.D

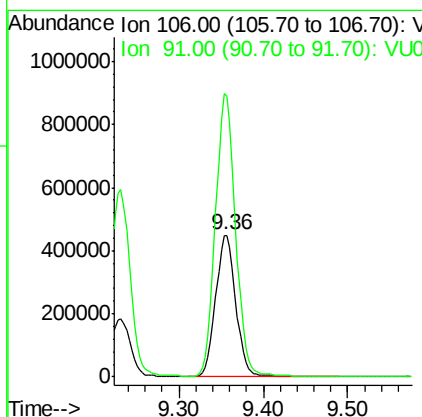
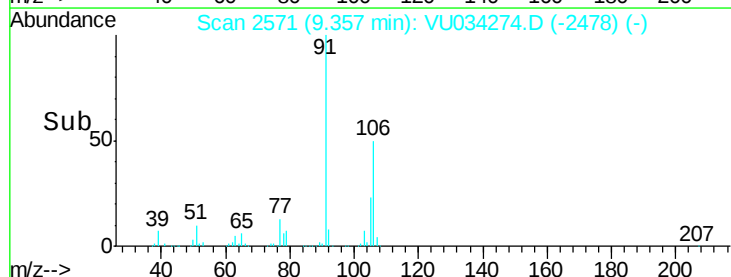
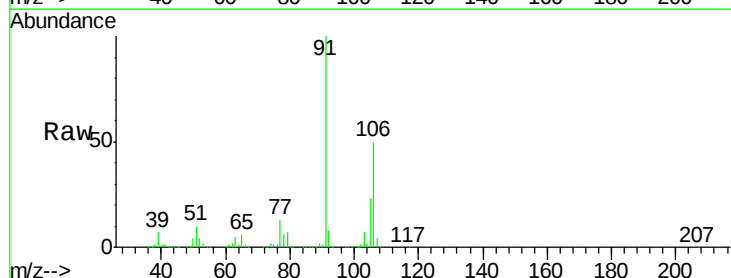
Acq: 05 Sep 2019 10:23

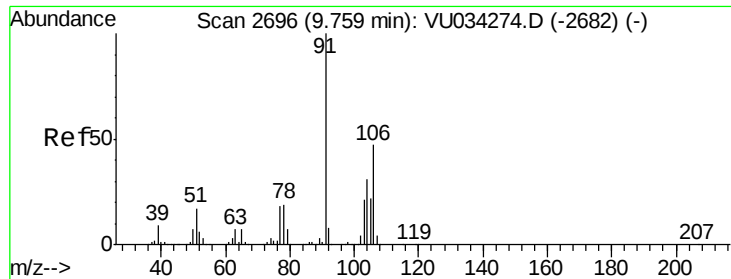
Tgt Ion: 106 Resp: 746437

Ion Ratio Lower Upper

106 100

91 200.1 160.1 240.1





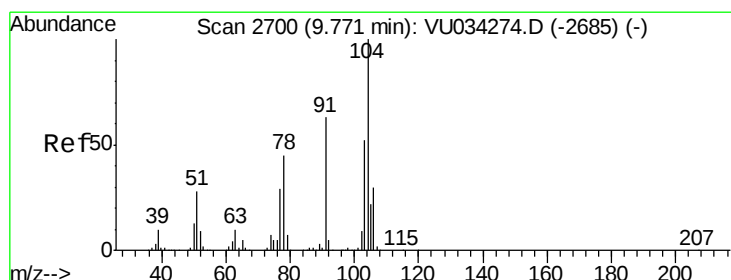
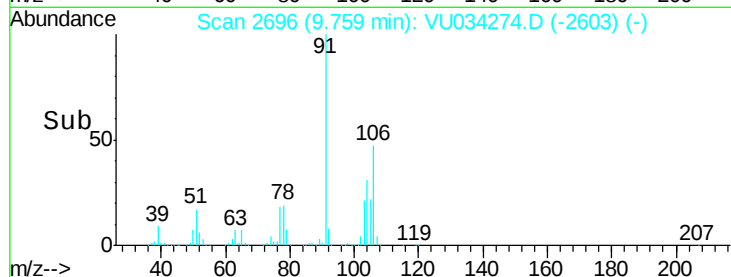
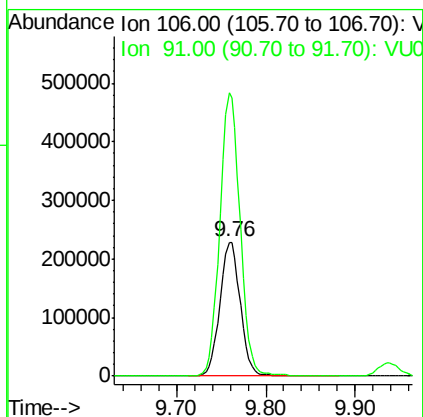
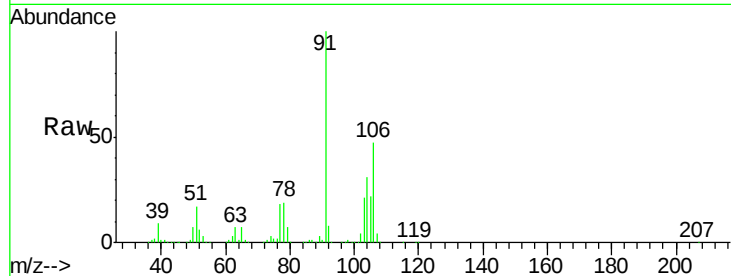
#69
o-Xylene
Concen: 60.211 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	361881		
91	210.2	105.1	315.3	

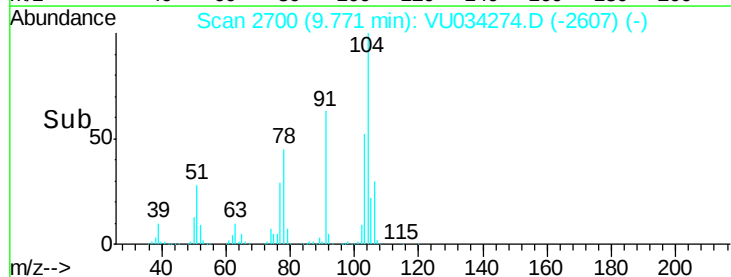
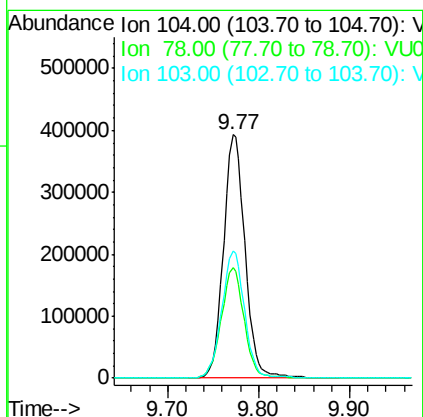
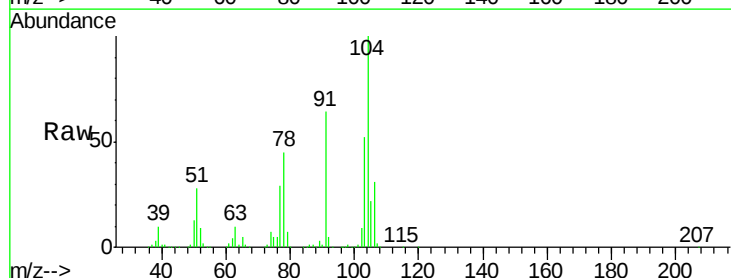
Manual Integrations
APPROVED

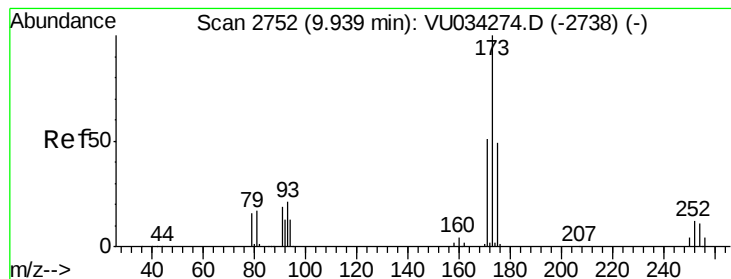
MMDadoda
9/6/2019 3:21:34 PM



#70
Styrene
Concen: 62.583 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	648398		
78	48.2	38.6	57.8	
103	55.3	44.2	66.4	





#71

Bromoform

Concen: 60.372 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

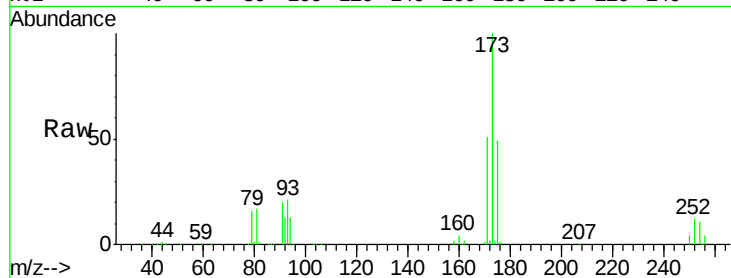
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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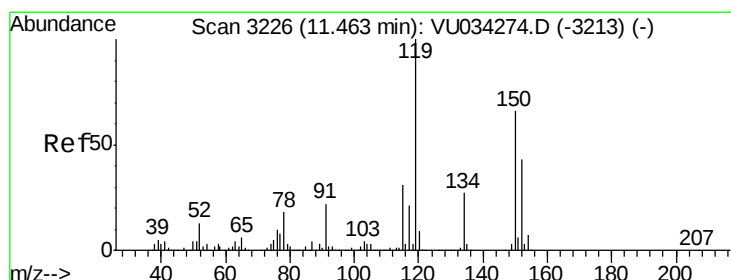
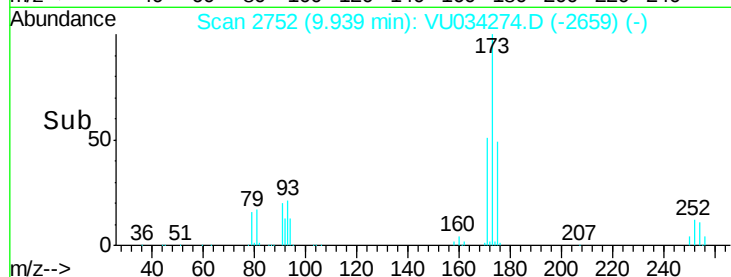
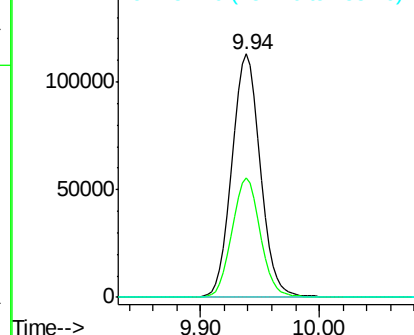


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

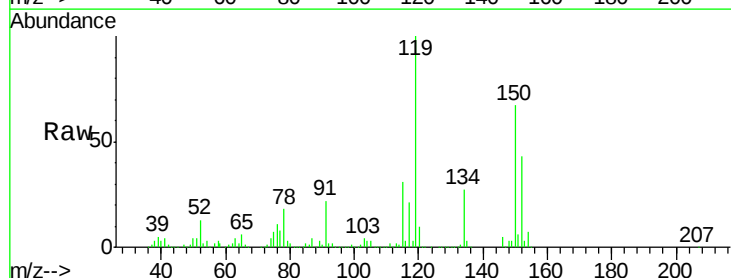
RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.1	117.3
150	172.7	0.0	345.4

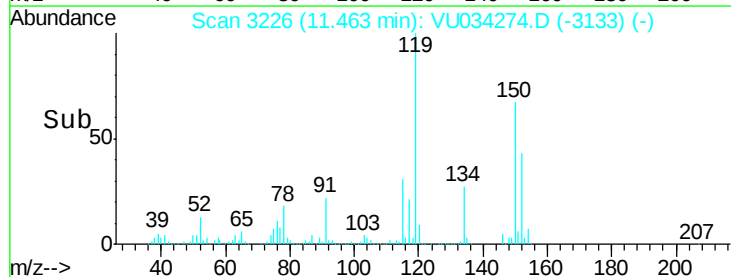
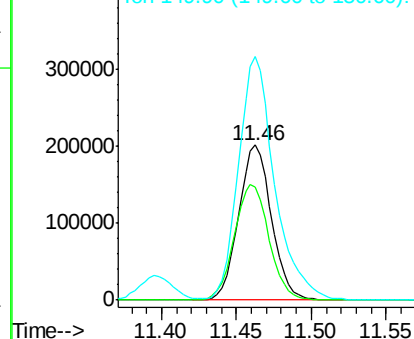


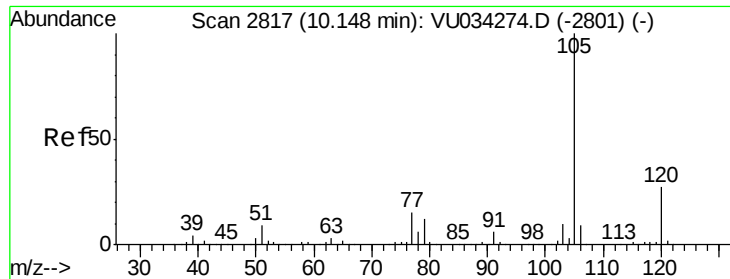
Abundance

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: 49.024 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 990023

Ion Ratio Lower Upper

105 100

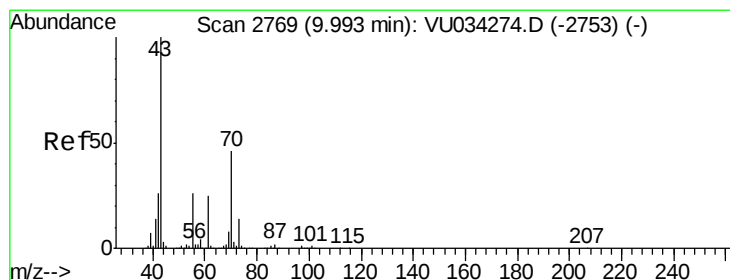
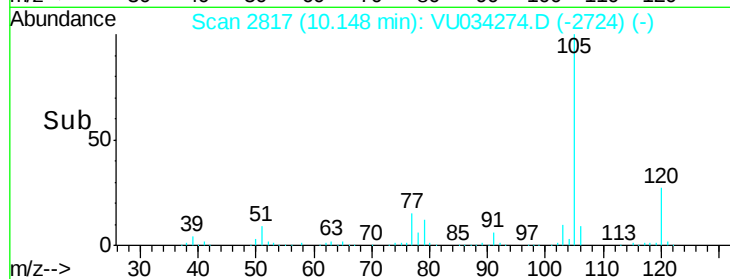
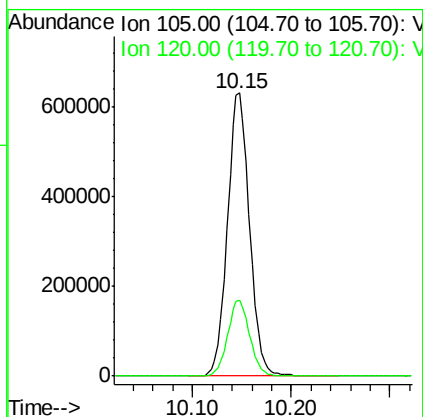
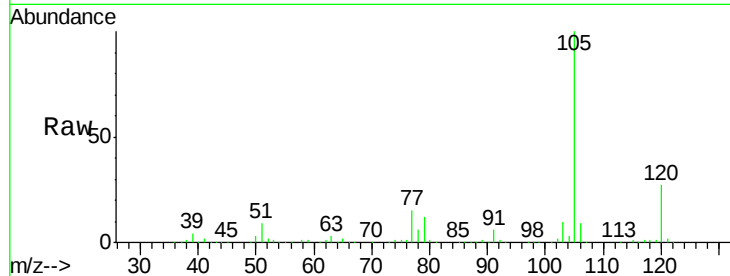
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.606 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion: 43 Resp: 418149

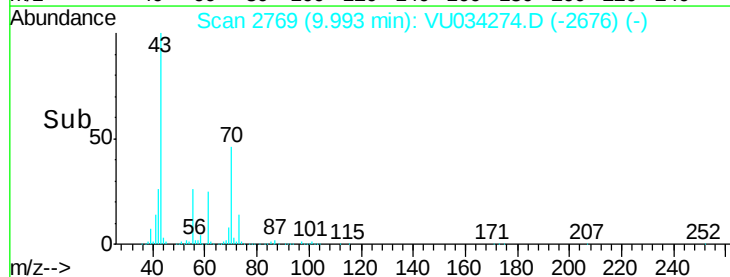
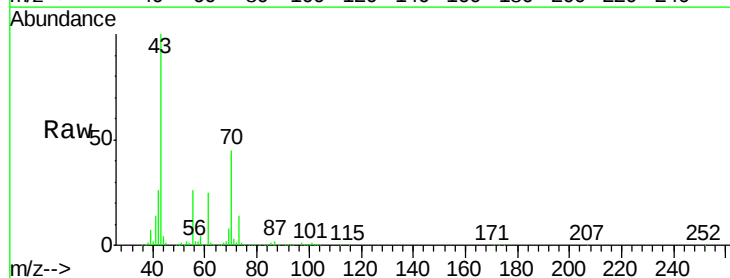
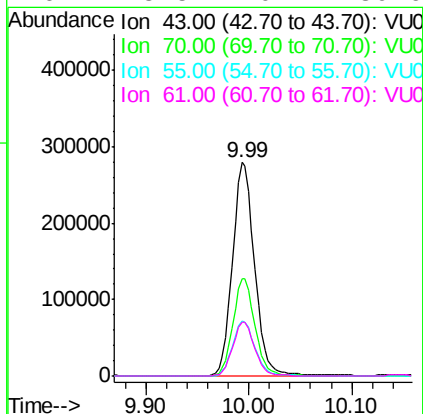
Ion Ratio Lower Upper

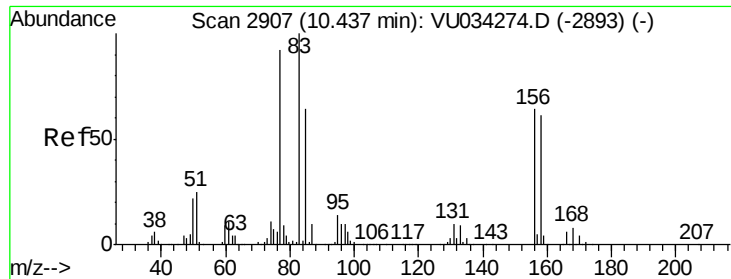
43 100

70 45.5 36.4 54.6

55 26.5 21.2 31.8

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.315 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

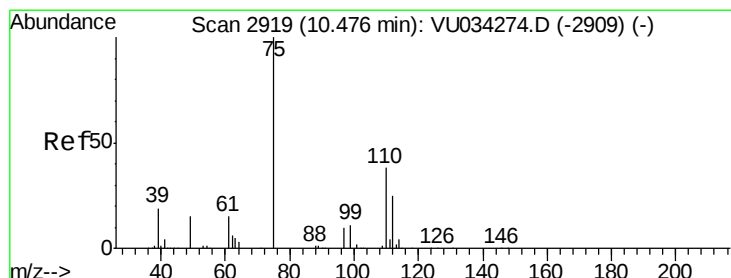
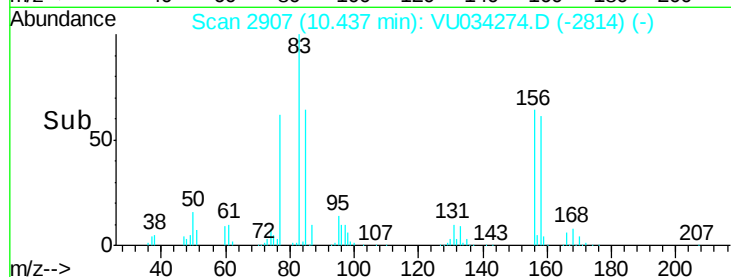
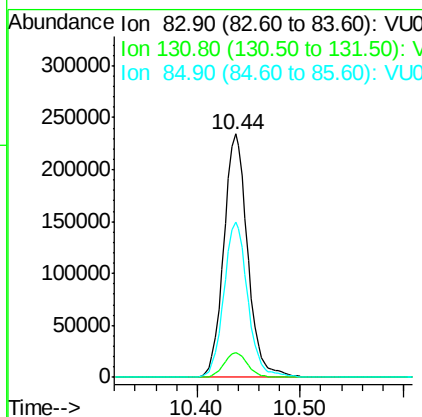
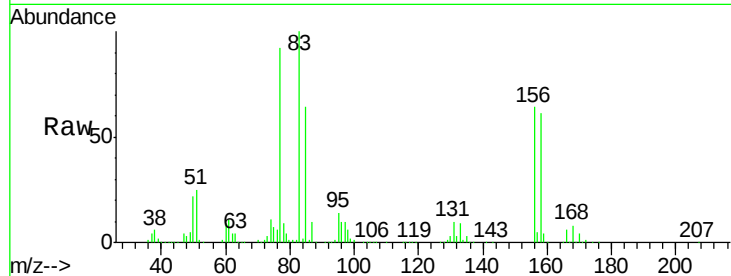
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	377741
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.1	32.0	96.2

Manual Integrations
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9/6/2019 3:21:34 PM



#76

1,2,3-Trichloropropane

Concen: 46.355 ug/l m

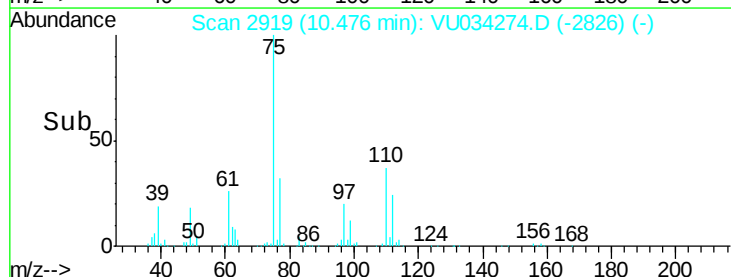
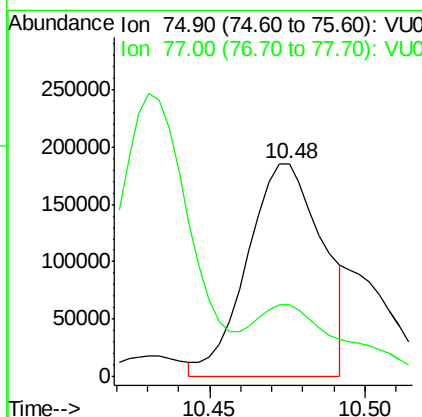
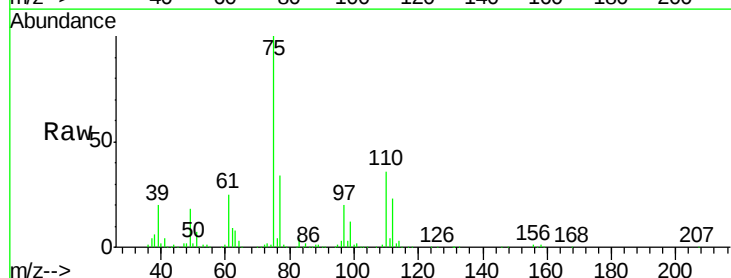
RT: 10.48 min Scan# 2919

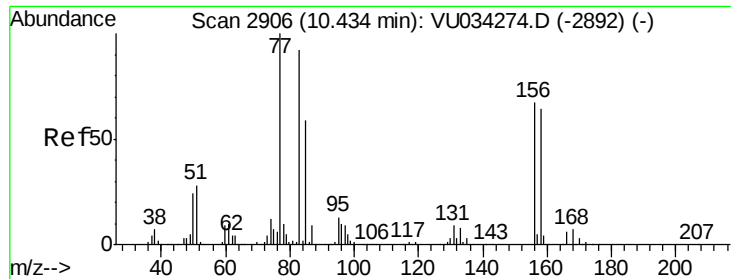
Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion:	75	Resp:	311880
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.8	62.2





#77

Bromobenzene

Concen: 48.766 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

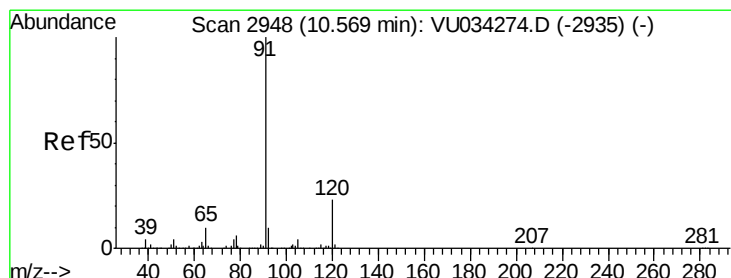
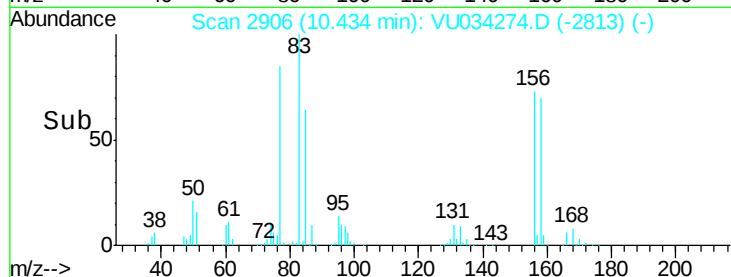
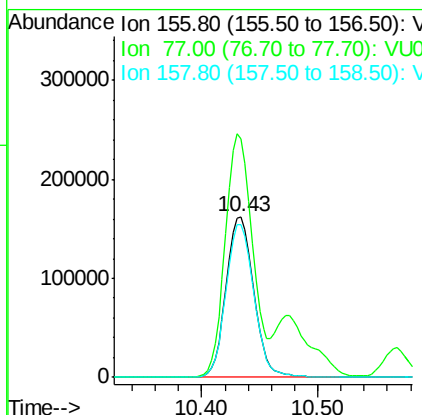
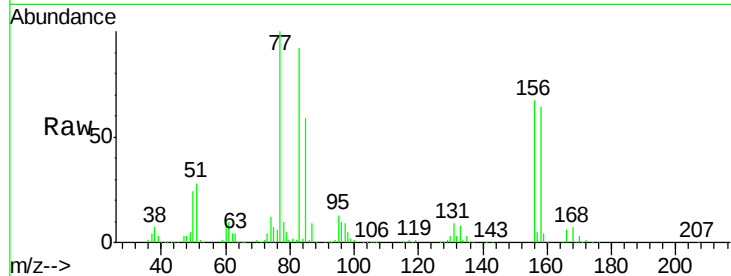
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		267206		
77	151.3	75.6	226.9		
158	96.4	48.2	144.6		

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#78

n-propylbenzene

Concen: 49.191 ug/l

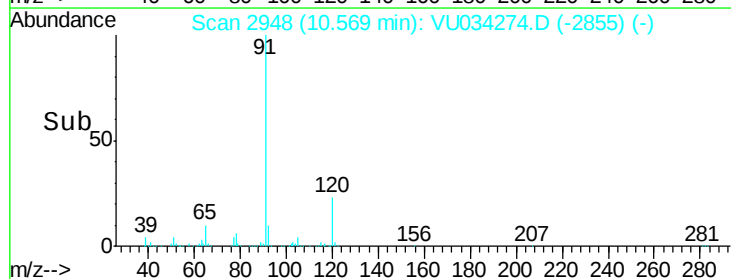
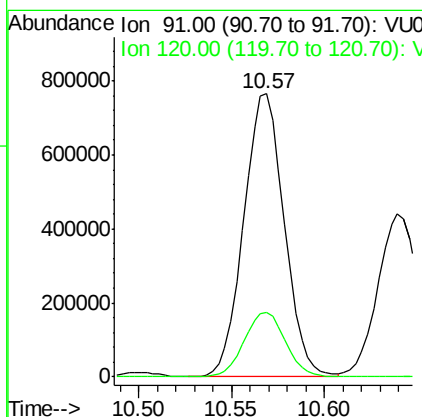
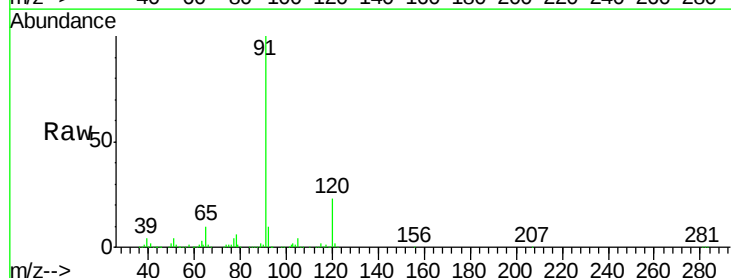
RT: 10.57 min Scan# 2948

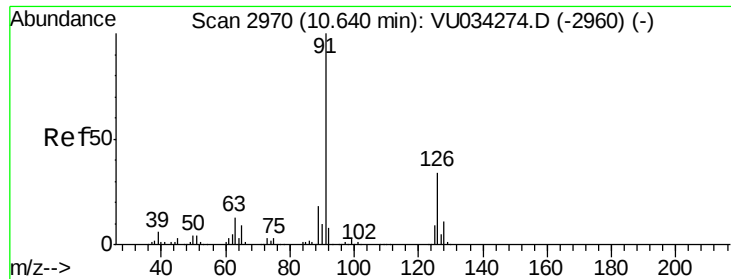
Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1157695		
120	23.3	11.7	35.0		





#79

2-Chlorotoluene

Concen: 48.635 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 687540

Ion Ratio Lower Upper

91 100

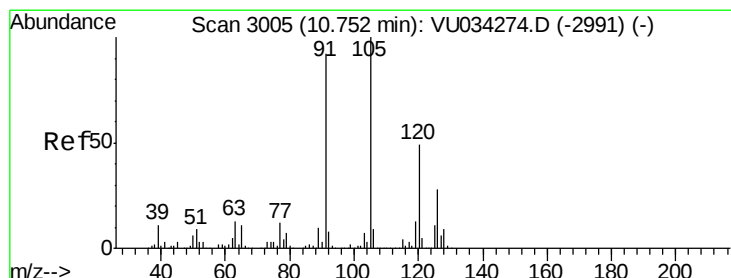
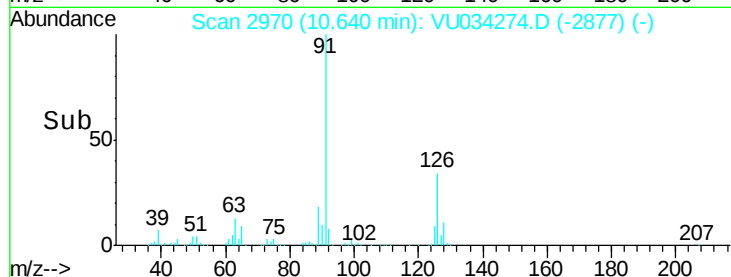
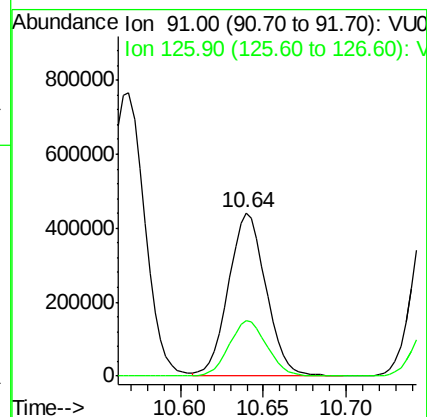
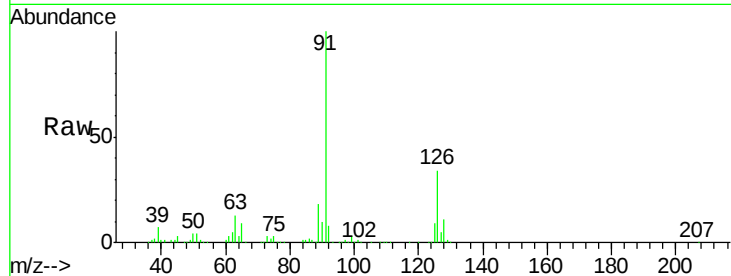
126 34.6 17.3 51.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.244 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034274.D

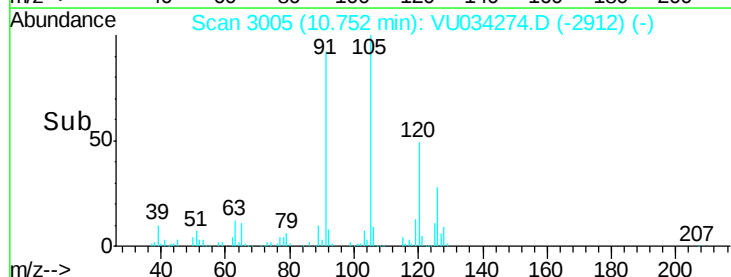
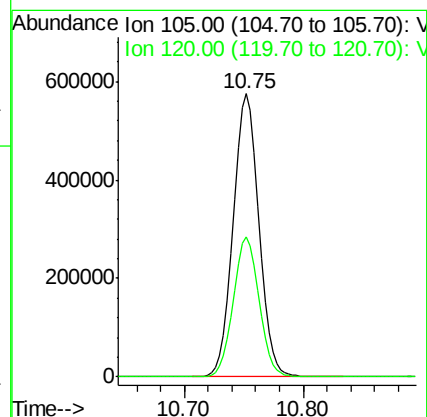
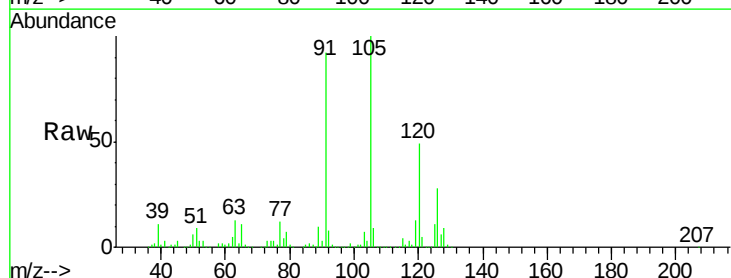
Acq: 05 Sep 2019 10:23

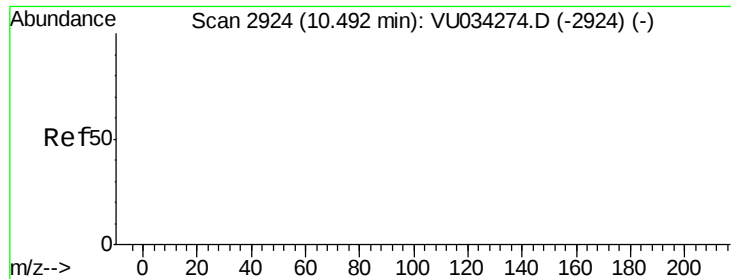
Tgt Ion: 105 Resp: 860368

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7





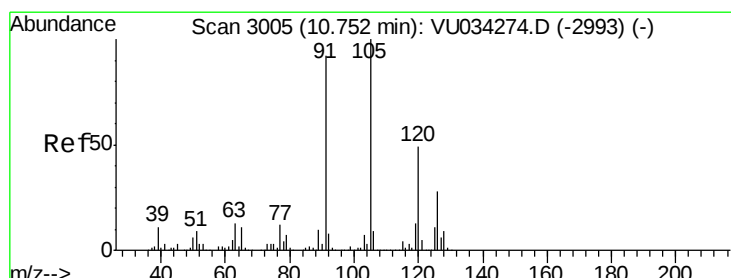
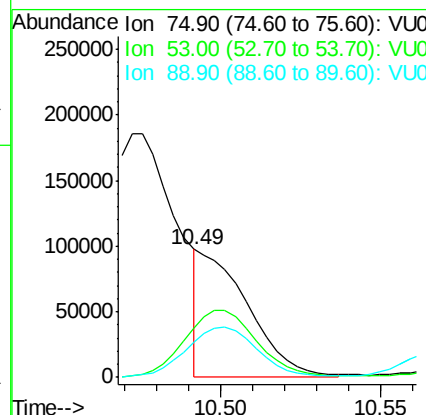
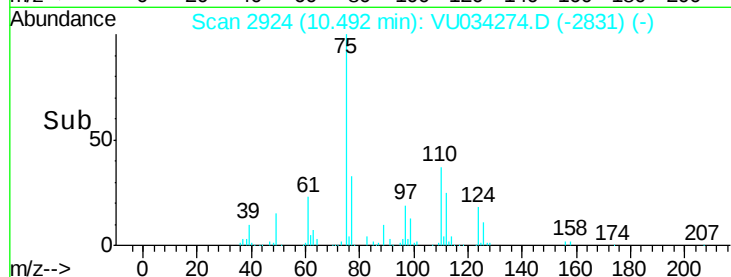
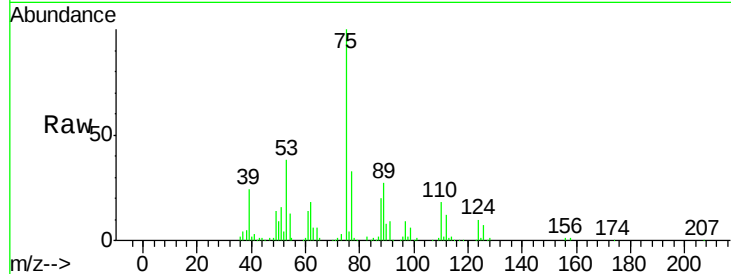
#81
trans-1,4-Dichloro-2-butene
Concen: 49.522 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	100560		
53	0.0	0.0	0.0	0.0
89	0.0	0.0	0.0	0.0

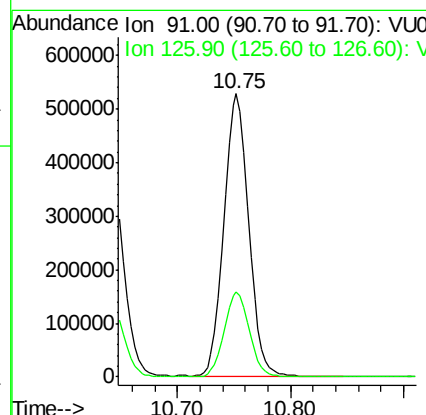
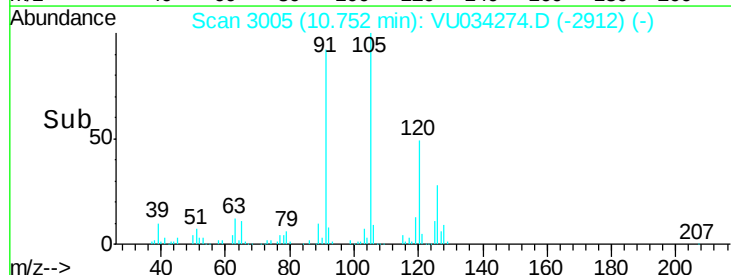
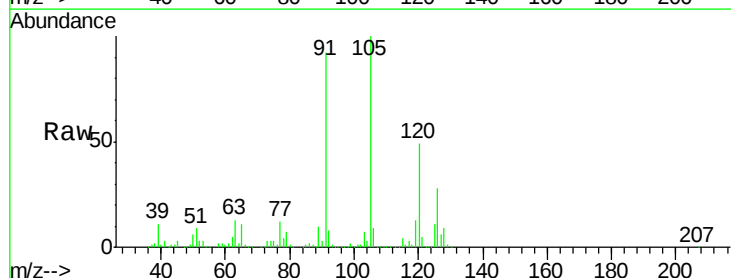
Manual Integrations
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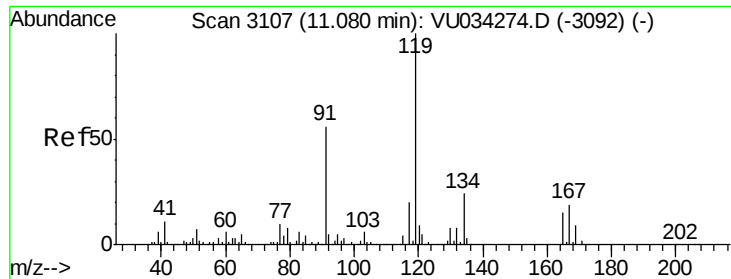
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#82
4-Chlorotoluene
Concen: 49.350 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034274.D
Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	804407		
126	30.5	15.3	45.8	





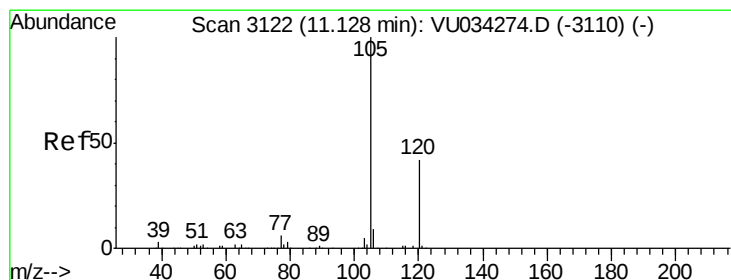
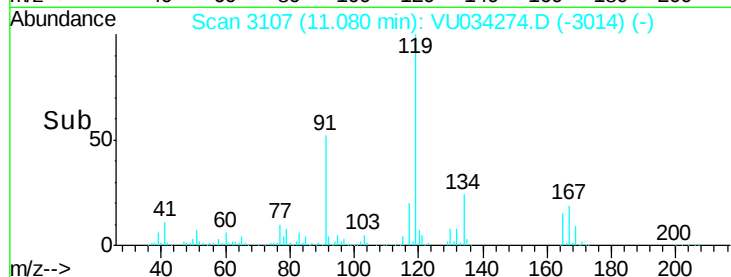
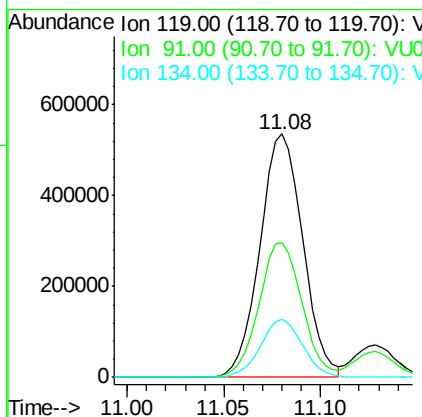
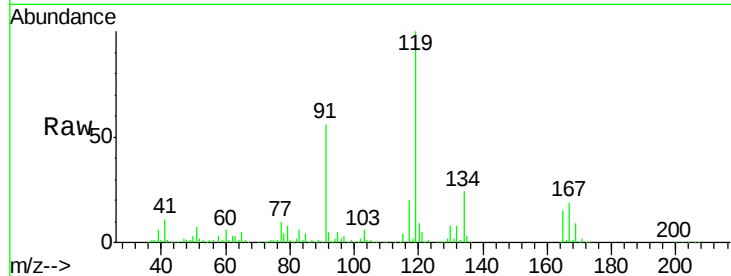
#83
 tert-Butylbenzene
 Concen: 48.979 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	825965		
91	55.6	27.8	83.4	
134	23.3	11.7	35.0	

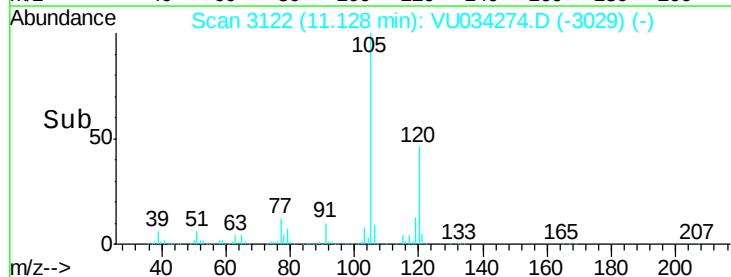
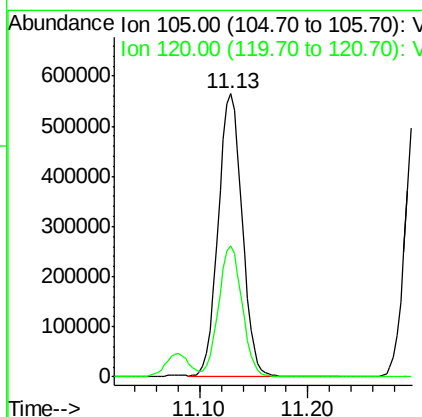
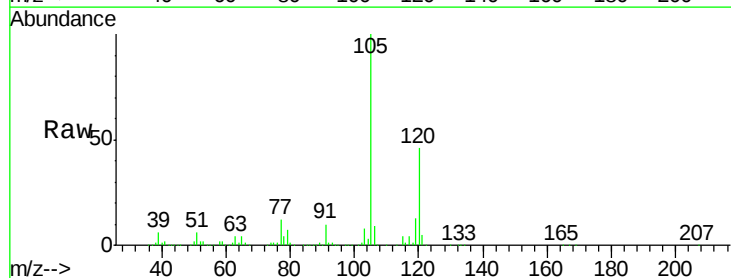
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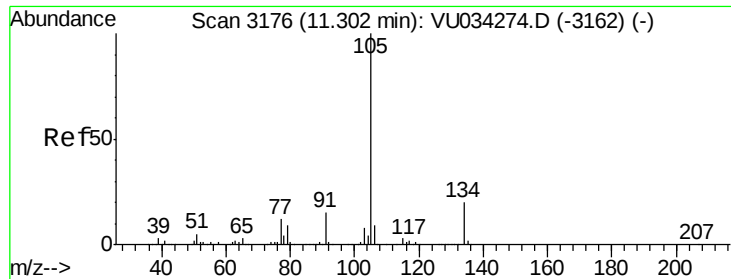
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.028 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	867775		
120	45.9	22.9	68.8	





#85

sec-Butylbenzene

Concen: 49.656 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1003927

Ion Ratio Lower Upper

105 100

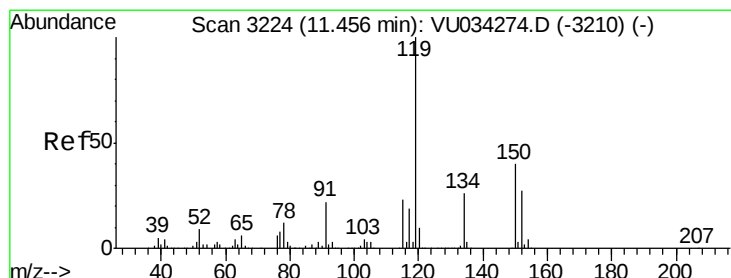
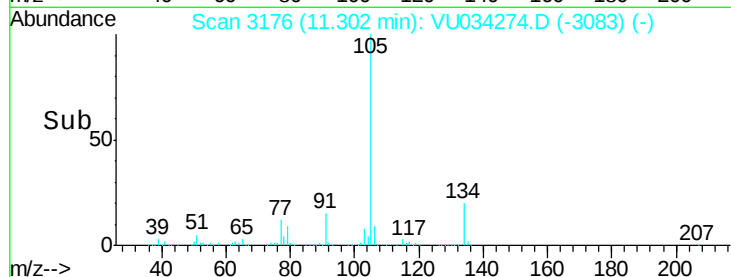
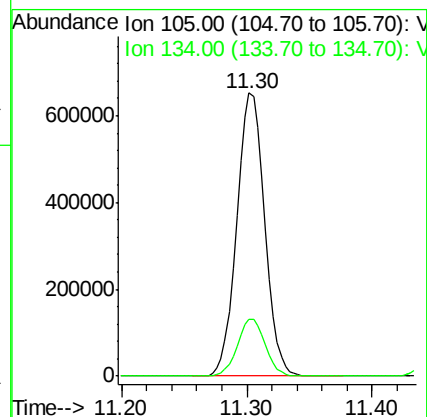
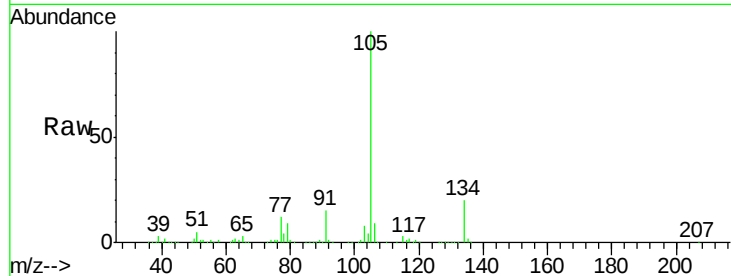
134 20.2 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.863 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

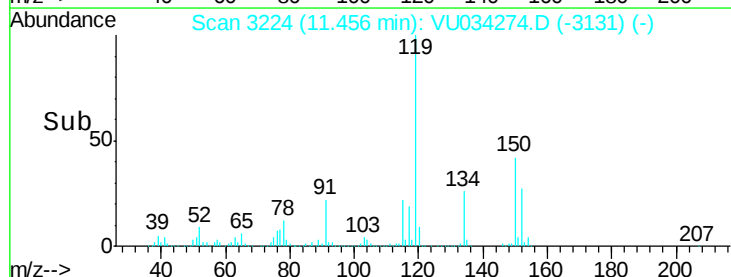
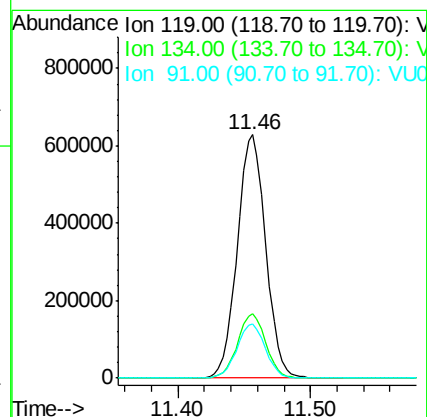
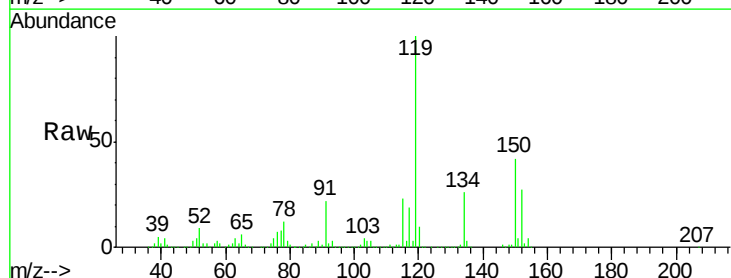
Tgt Ion:119 Resp: 930826

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.4 11.2 33.6





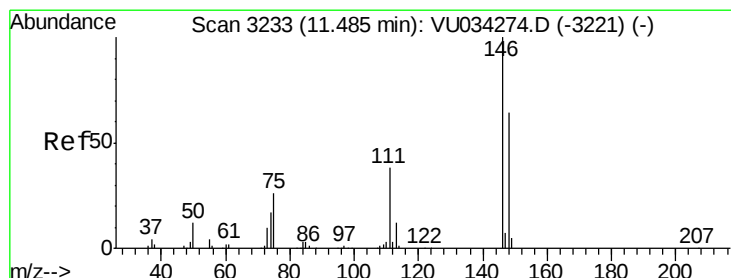
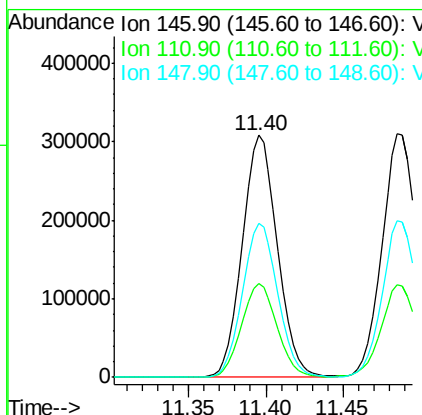
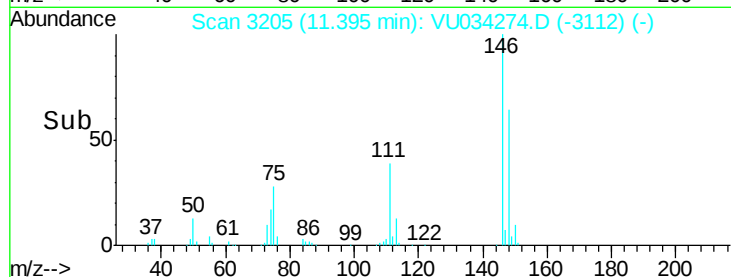
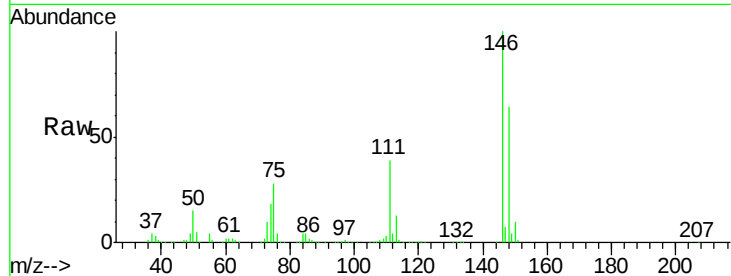
#87
 1,3-Dichlorobenzene
 Concen: 50.069 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.2	32.1	96.3

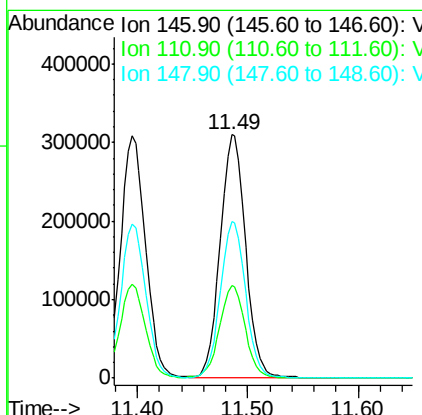
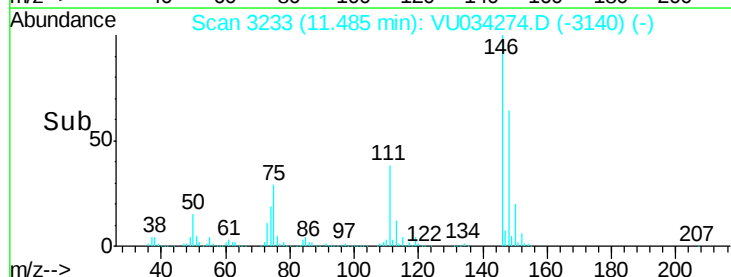
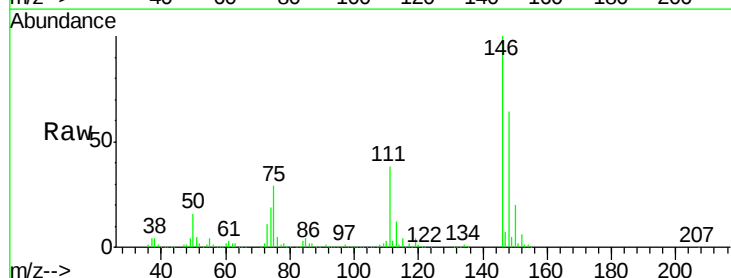
Manual Integrations
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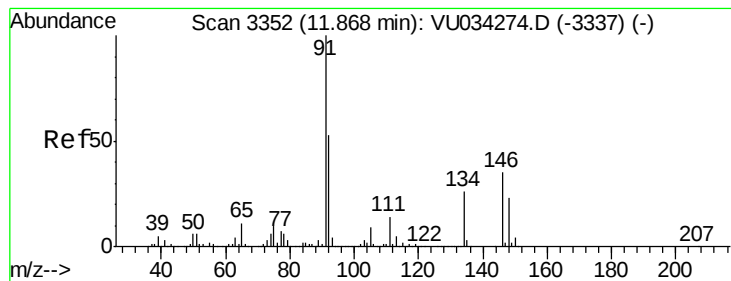
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 9/6/2019 3:21:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.097 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.0	32.0	96.0





#89

n-Butylbenzene

Concen: 51.730 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 833457

Ion Ratio Lower Upper

91 100

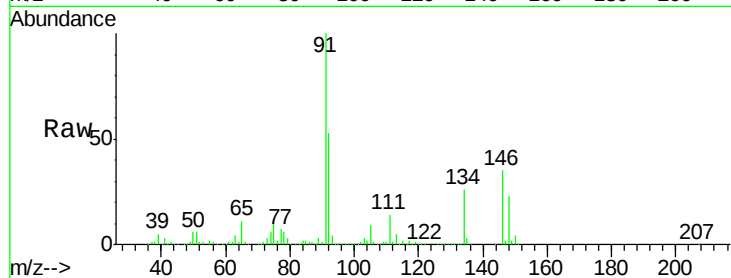
92 52.9 26.5 79.4

134 26.4 13.2 39.6

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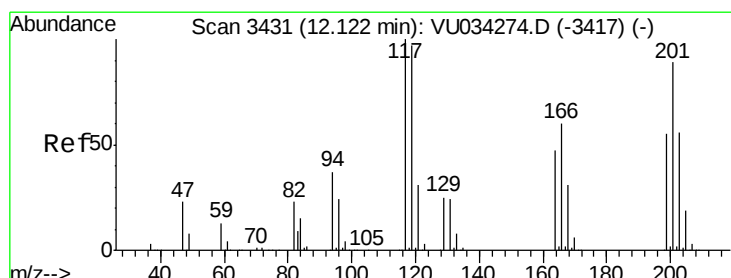
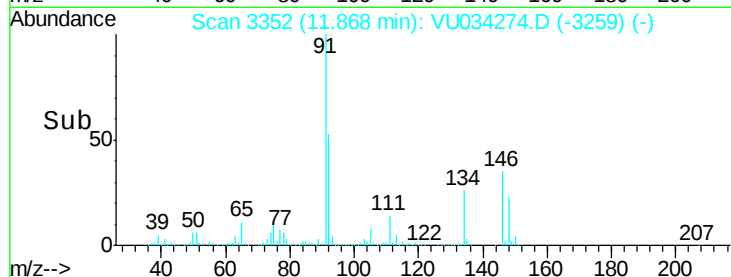
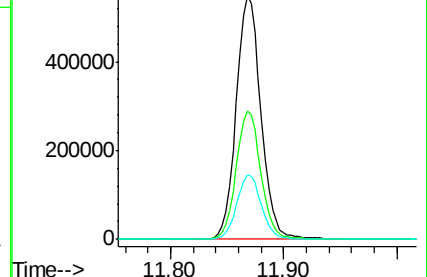
9/6/2019 3:21:34 PM



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-3337) (-)

Ion 92.00 (91.70 to 92.70): VU034274.D (-3337) (-)

Ion 134.00 (133.70 to 134.70): VU034274.D (-3337) (-)



#90

Hexachloroethane

Concen: 44.490 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034274.D

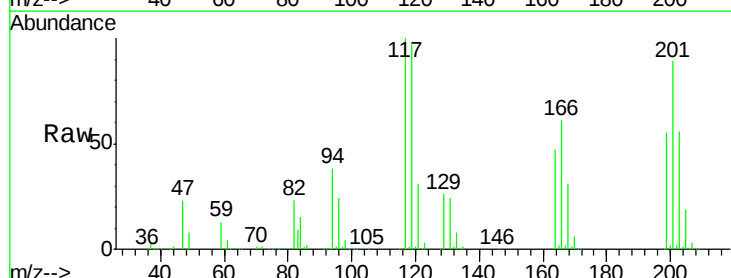
Acq: 05 Sep 2019 10:23

Tgt Ion: 117 Resp: 139227

Ion Ratio Lower Upper

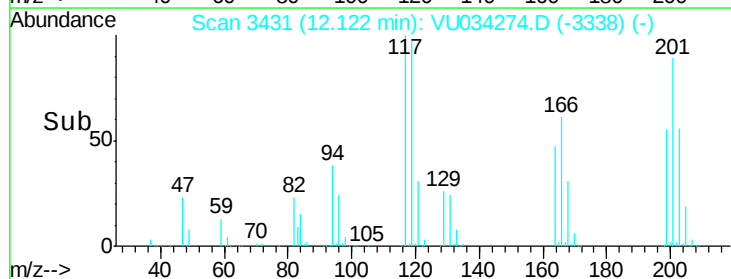
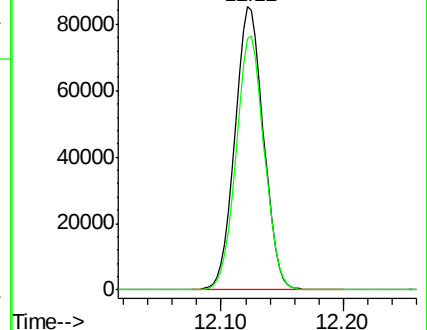
117 100

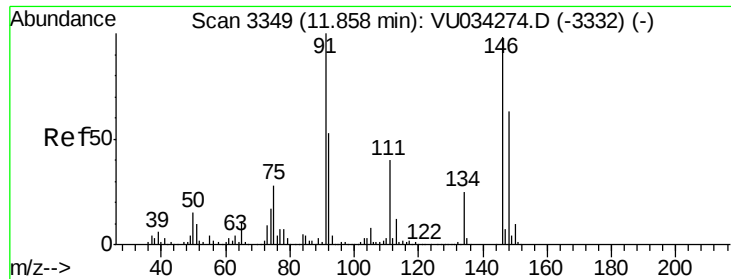
201 88.3 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034274.D (-3417) (-)

Ion 200.70 (200.40 to 201.40): VU034274.D (-3417) (-)





#91

1,2-Dichlorobenzene

Concen: 51.871 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 146 Resp: 485392

Ion Ratio Lower Upper

146 100

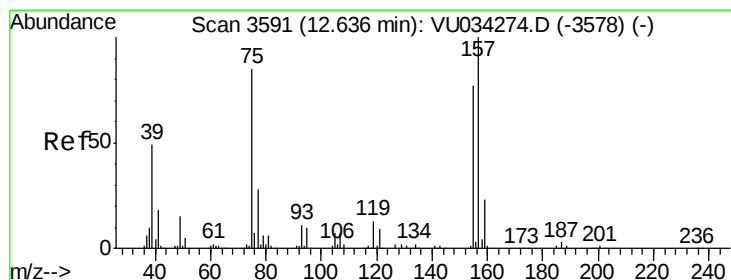
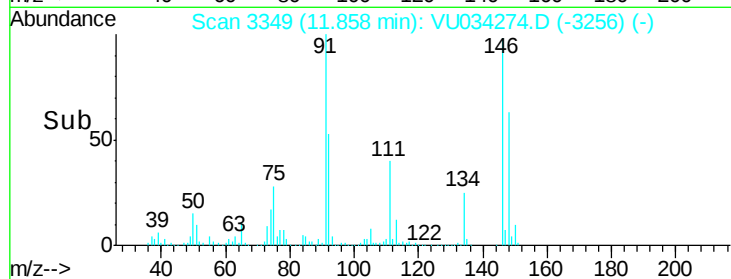
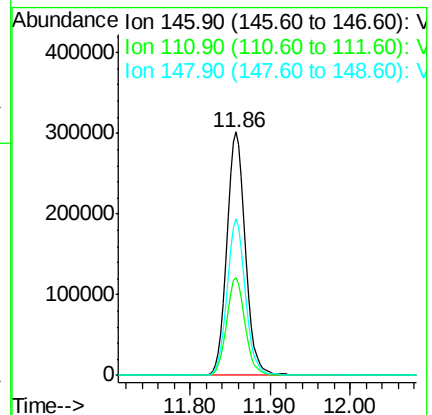
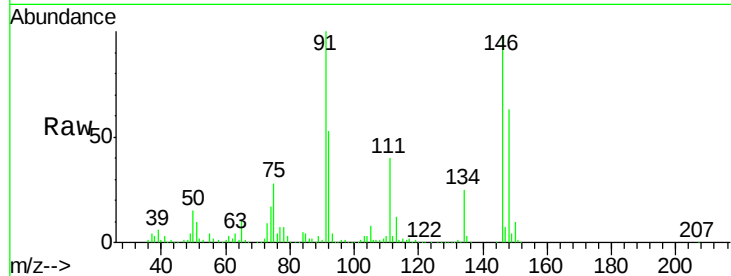
111 40.0 20.0 60.0

148 63.2 31.6 94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.952 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

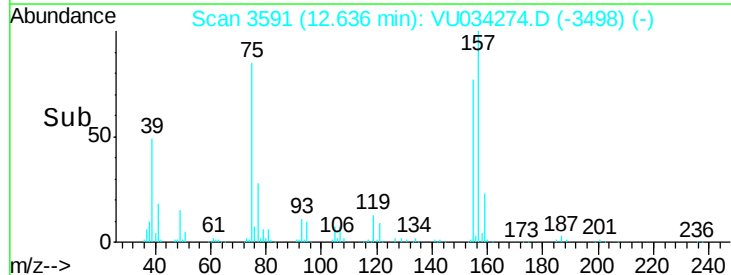
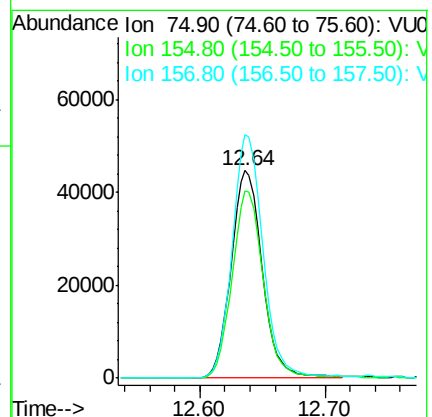
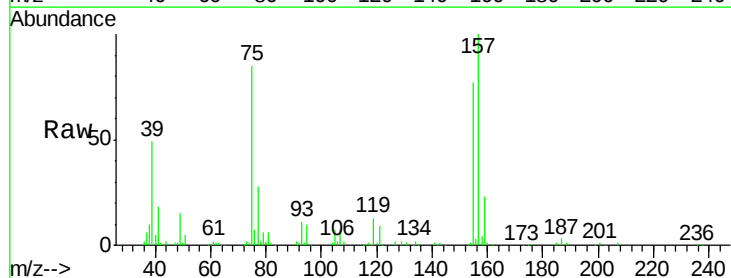
Tgt Ion: 75 Resp: 77340

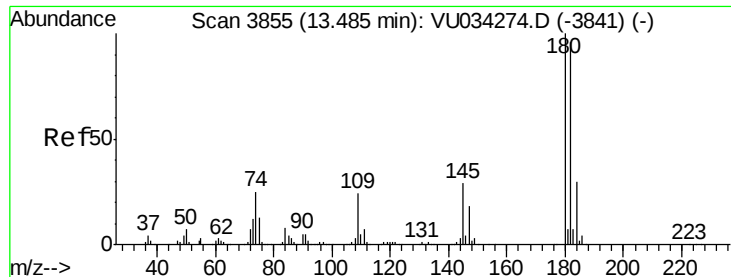
Ion Ratio Lower Upper

75 100

155 89.3 44.6 134.0

157 116.4 58.2 174.6





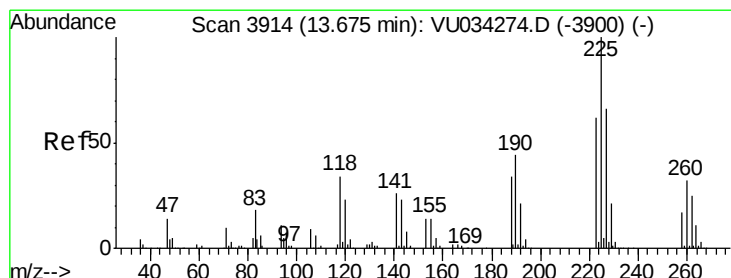
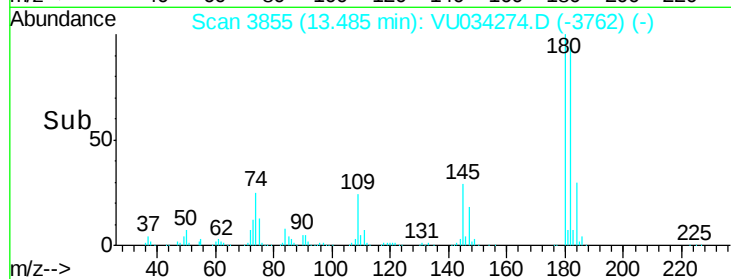
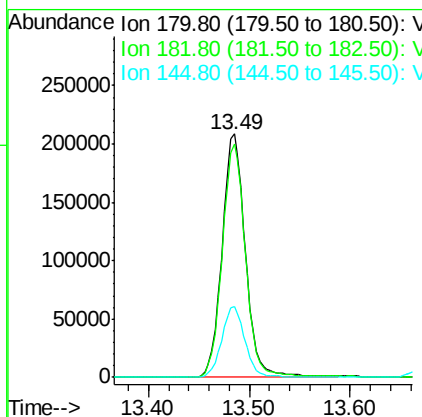
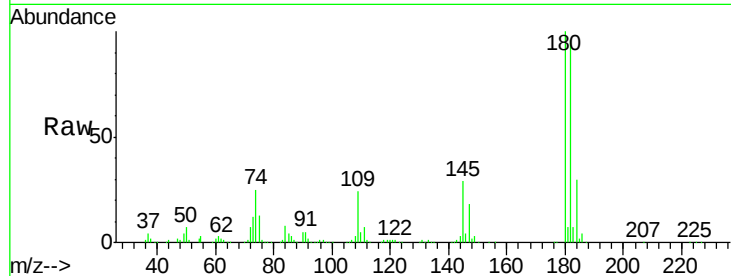
#93
 1,2,4-Trichlorobenzene
 Concen: 59.196 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.9	143.8	
145	28.7	14.4	43.0	

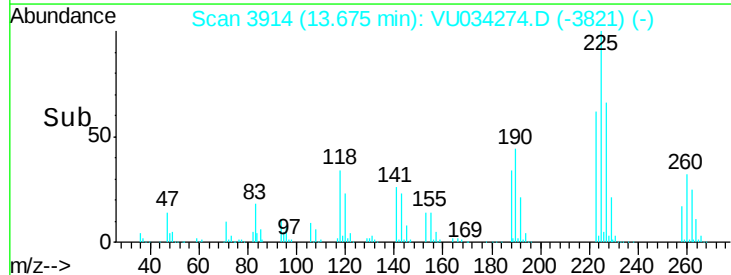
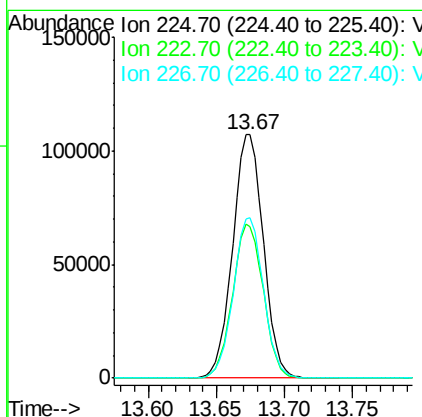
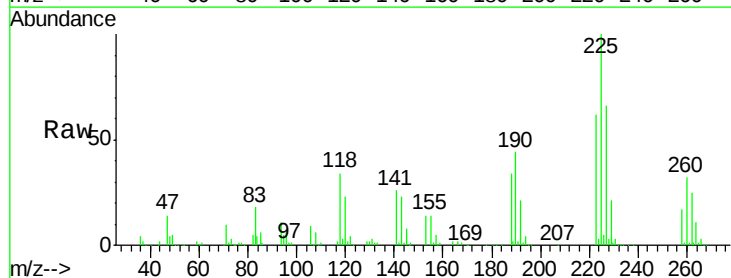
Manual Integrations
 APPROVED

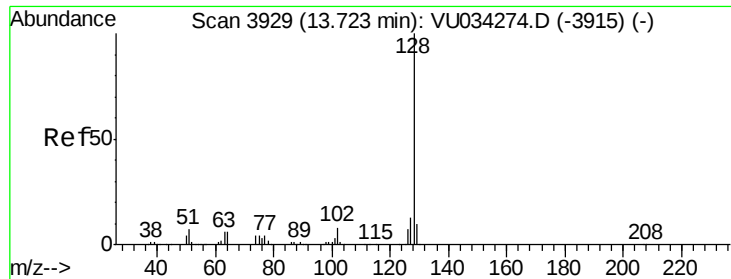
MMDadoda
 9/6/2019 3:21:34 PM



#94
 Hexachlorobutadiene
 Concen: 46.652 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034274.D
 Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.6	94.7	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 60.882 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Instrument :

MSVOA_U

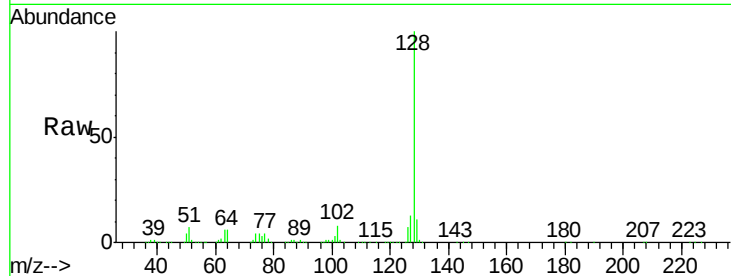
ClientSampleId :

VSTDICCC050

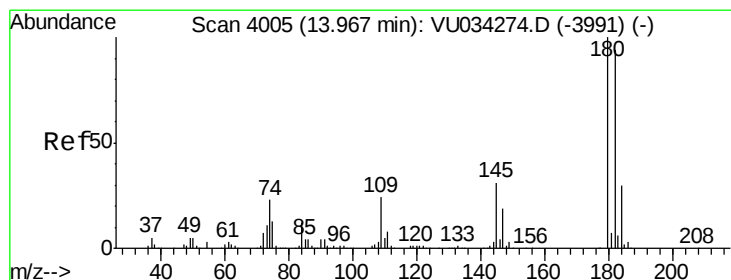
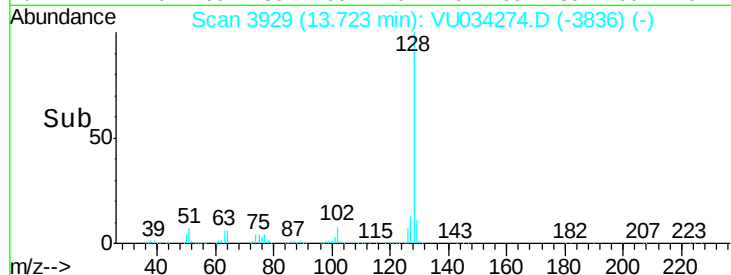
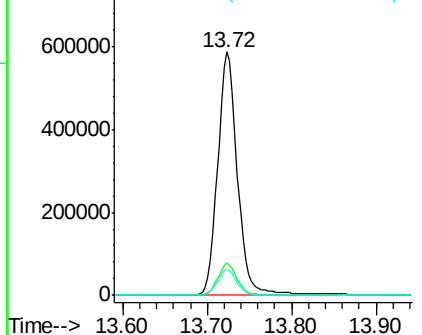
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:34 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.753 ug/l

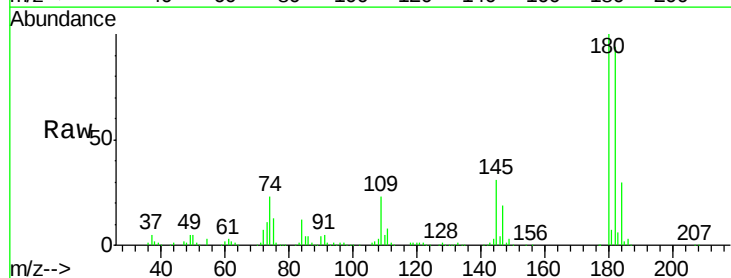
RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034274.D

Acq: 05 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	30.9	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

