

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\
 Data File : VU034435.D
 Acq On : 10 Sep 2019 08:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 1:42:45 PM

Quant Time: Sep 11 06:01:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	257700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	355962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	355575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	248377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	195645	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	4.86	113	176955	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	7.54	98	665809	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	10.29	95	254530	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133579	49.562	ug/l	99
3) Chloromethane	1.32	50	145671	50.028	ug/l	97
4) Vinyl Chloride	1.40	62	155928	46.428	ug/l	99
5) Bromomethane	1.61	94	93986	55.617	ug/l	99
6) Chloroethane	1.69	64	103712	53.194	ug/l	99
7) Trichlorofluoromethane	1.87	101	229453	50.954	ug/l	98
8) Diethyl Ether	2.09	74	99958	50.463	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	153267	51.388	ug/l	99
10) Methyl Iodide	2.40	142	126195	46.535	ug/l	99
11) Tert butyl alcohol	2.81	59	219506	266.477	ug/l	99
12) 1,1-Dichloroethene	2.27	96	138954	49.559	ug/l	94
13) Acrolein	2.18	56	108205	156.289	ug/l	99
14) Allyl chloride	2.58	41	258691m	48.261	ug/l	
15) Acrylonitrile	2.92	53	531887	259.294	ug/l	99
16) Acetone	2.31	43	614740	304.666	ug/l	99
17) Carbon Disulfide	2.46	76	273392	43.385	ug/l	100
18) Methyl Acetate	2.60	43	236512	48.172	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	536646	52.511	ug/l	100
20) Methylene Chloride	2.68	84	178916	54.169	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	146894	49.716	ug/l	95
22) Diisopropyl ether	3.55	45	554788	53.073	ug/l	99
23) Vinyl Acetate	3.50	43	2251038	264.364	ug/l	99
24) 1,1-Dichloroethane	3.42	63	312125	49.998	ug/l	100
25) 2-Butanone	4.23	43	770096	285.916	ug/l	99
26) 2,2-Dichloropropane	4.20	77	263721	52.525	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	183402	51.108	ug/l	100
28) Bromochloromethane	4.52	49	151996	52.935	ug/l	98
29) Tetrahydrofuran	4.61	42	419411	255.899	ug/l	99
30) Chloroform	4.65	83	319223	50.307	ug/l	99
31) Cyclohexane	4.97	56	218696	47.886	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	262254	51.692	ug/l	99
36) 1,1-Dichloropropene	5.12	75	200191	51.857	ug/l	99
37) Ethyl Acetate	4.36	43	242922	53.222	ug/l	99
38) Carbon Tetrachloride	5.11	117	225354	54.672	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	215622	52.249	ug/l	100
40) Benzene	5.37	78	664578	53.351	ug/l	100
41) Methacrylonitrile	4.52	41	134291	55.236	ug/l	98
42) 1,2-Dichloroethane	5.38	62	232823	53.833	ug/l	99
43) Isopropyl Acetate	5.53	43	375599	52.751	ug/l	99
44) Trichloroethene	6.16	130	180772	52.443	ug/l	99
45) 1,2-Dichloropropane	6.41	63	195978	53.816	ug/l	96
46) Dibromomethane	6.54	93	122995	53.807	ug/l	98
47) Bromodichloromethane	6.73	83	256765	54.570	ug/l	99
48) Methyl methacrylate	6.60	41	180213	53.289	ug/l	99
49) 1,4-Dioxane	6.59	88	89191	1207.782	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1321755	268.179	ug/l	99
52) Toluene	7.61	92	427875	54.756	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	271283	55.618	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	297908	55.649	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	197146	55.562	ug/l	99
56) Ethyl methacrylate	8.00	69	268242	49.774	ug/l	100
57) 1,3-Dichloropropane	8.22	76	314136	54.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	451654	247.800	ug/l	100
59) 2-Hexanone	8.34	43	1068632	290.236	ug/l	100
60) Dibromochloromethane	8.46	129	215692	56.674	ug/l	98
61) 1,2-Dibromoethane	8.57	107	191723	55.206	ug/l	99
64) Tetrachloroethene	8.21	164	156655	50.783	ug/l	97
65) Chlorobenzene	9.10	112	491785	54.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	190693	55.390	ug/l	99
67) Ethyl Benzene	9.23	91	818084	55.463	ug/l	99
68) m/p-Xylenes	9.35	106	657879	118.445	ug/l	99
69) o-Xylene	9.76	106	311357	57.321	ug/l	98
70) Styrene	9.77	104	583325	61.251	ug/l	99
71) Bromoform	9.94	173	170662	57.198	ug/l	# 99
73) Isopropylbenzene	10.14	105	872437	53.975	ug/l	99
74) N-amyl acetate	9.99	43	354452	54.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	333227	50.931	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	272304m	50.226	ug/l	
77) Bromobenzene	10.43	156	237315	52.508	ug/l	99
78) n-propylbenzene	10.57	91	1030632	55.210	ug/l	100
79) 2-Chlorotoluene	10.64	91	620466	54.474	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	785111	58.077	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	93323m	57.886	ug/l	
82) 4-Chlorotoluene	10.75	91	725014	55.312	ug/l	100
83) tert-Butylbenzene	11.08	119	745134	55.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	788301	57.930	ug/l	99
85) sec-Butylbenzene	11.30	105	903824	56.611	ug/l	100
86) p-Isopropyltoluene	11.45	119	850717	57.731	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	445870	54.063	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	453122	52.675	ug/l	99
89) n-Butylbenzene	11.87	91	745660	58.228	ug/l	100
90) Hexachloroethane	12.12	117	131379	55.726	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	438071	54.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	67174	55.872	ug/l	99

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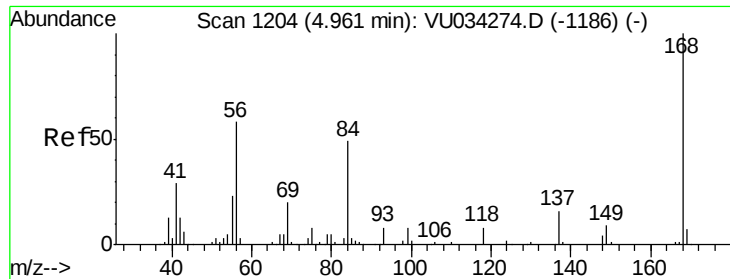
Manual Integrations
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9/11/2019 1:42:45 PM

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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	13.48	180	301678	51.229	ug/l	99
94) Hexachlorobutadiene	13.67	225	150237	52.990	ug/l	99
95) Naphthalene	13.72	128	784183	47.580	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	296620	52.123	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: VU034435.D

Acq: 10 Sep 2019 08:54

Tot Ion: 168 Resp: 257700

Ion Ratio Lower Upper

168 100

99 51.6 41.6 62.4

Instrument :

MSVOA_U

ClientSampleId :

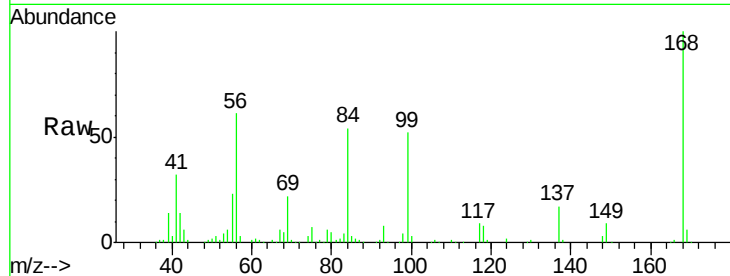
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

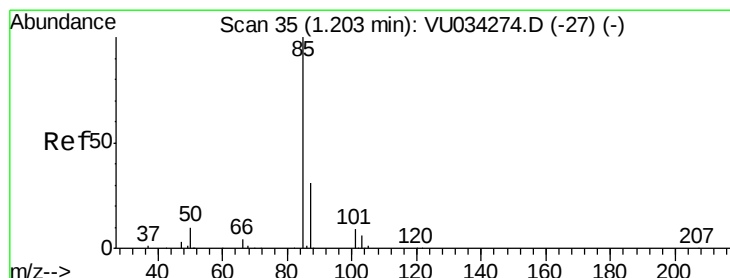
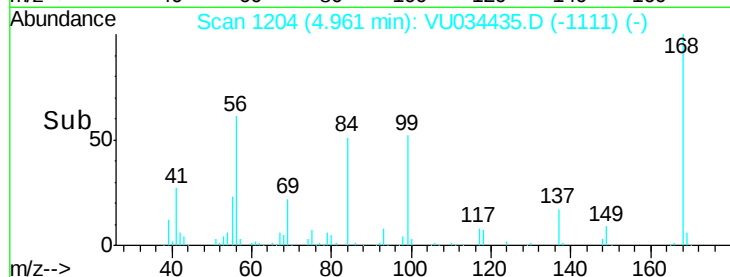
4.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.562 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034435.D

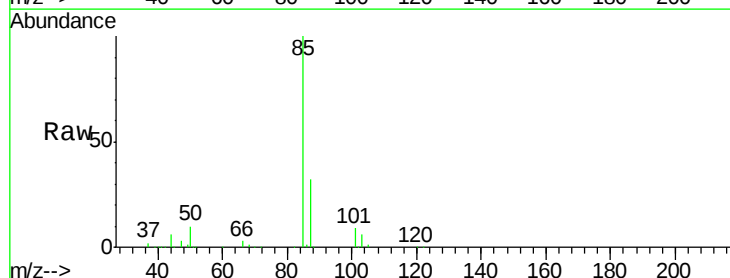
Acq: 10 Sep 2019 08:54

Tgt Ion: 85 Resp: 133579

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

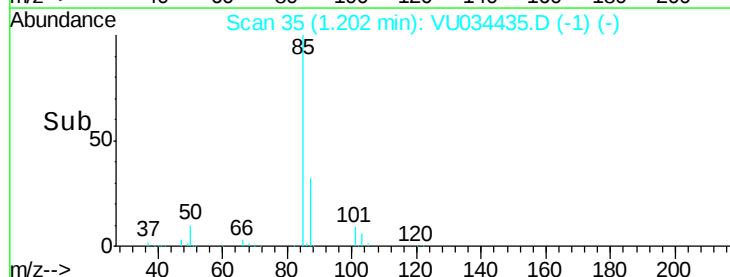
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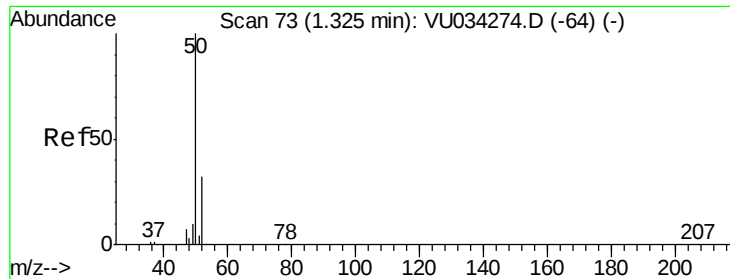
100000

50000

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Time-->





#3

Chloromethane

Concen: 50.028 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 145671

Ion Ratio Lower Upper

50 100

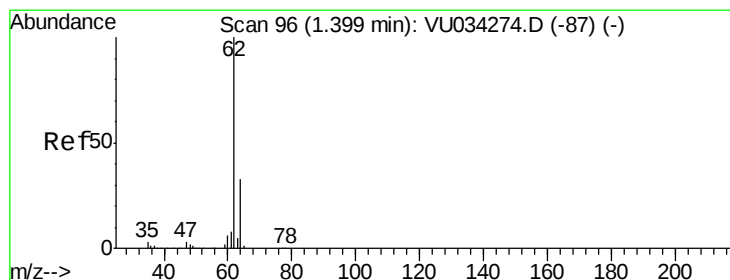
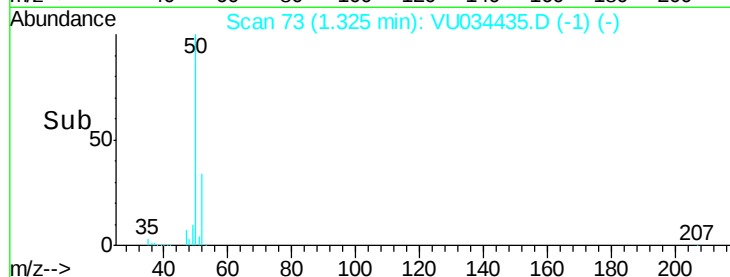
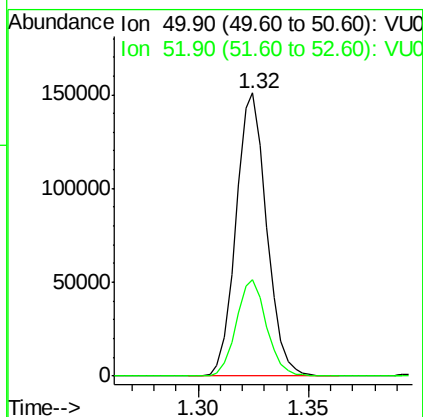
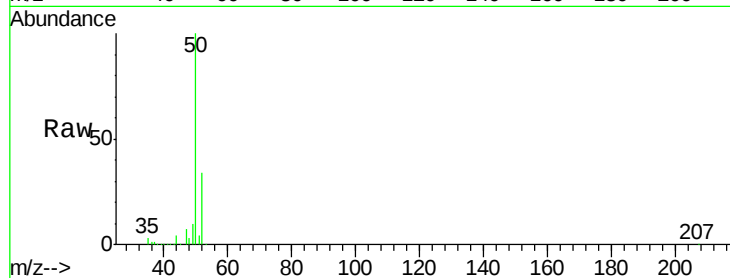
52 34.0 25.8 38.6

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 46.428 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034435.D

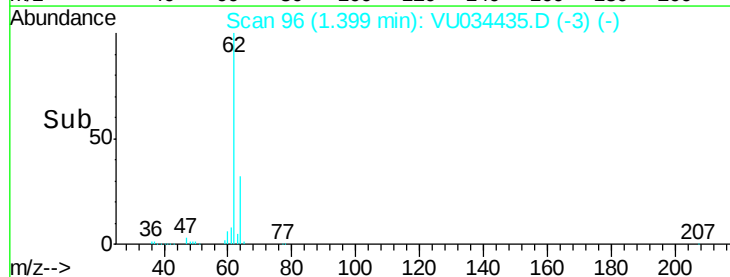
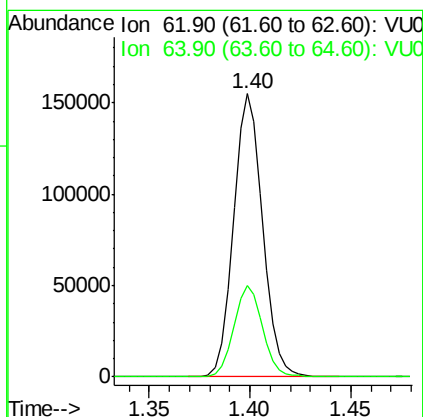
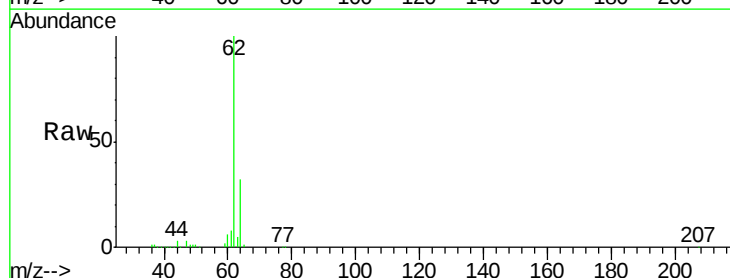
Acq: 10 Sep 2019 08:54

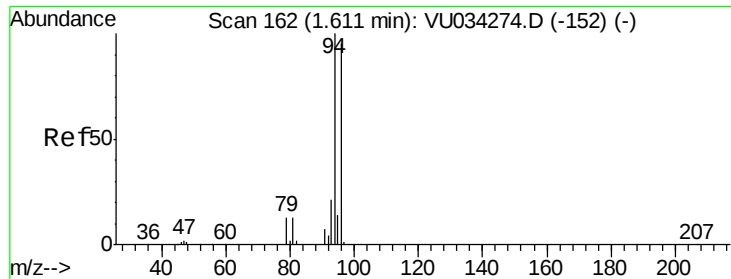
Tgt Ion: 62 Resp: 155928

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 55.617 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 93986

Ion Ratio Lower Upper

94 100

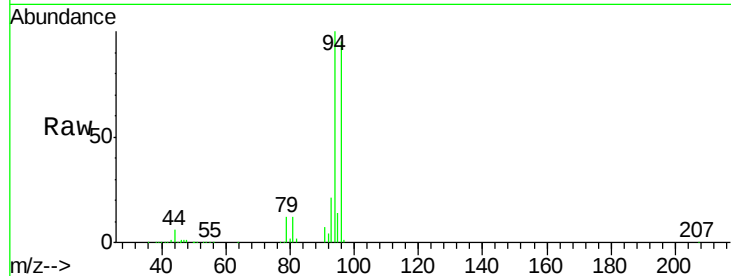
96 95.2 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034435.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034435.D (-68) (-)

1.61

80000

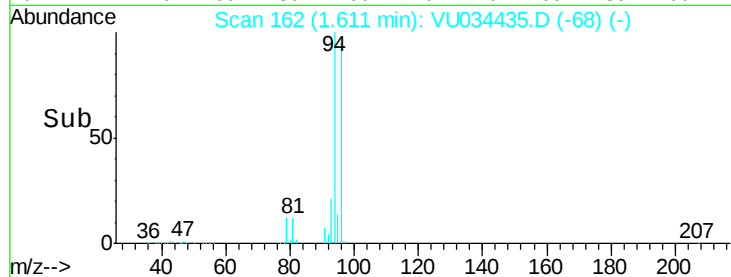
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40000

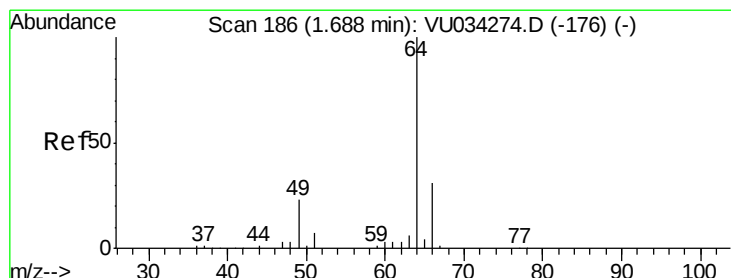
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 53.194 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034435.D

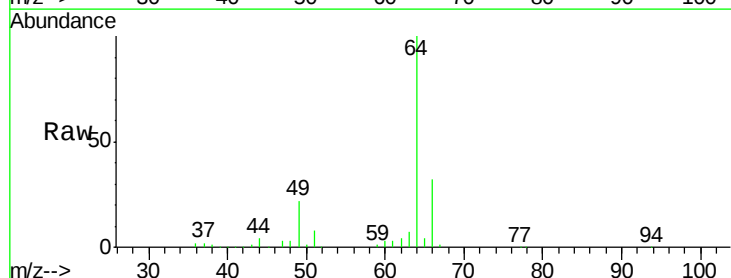
Acq: 10 Sep 2019 08:54

Tgt Ion: 64 Resp: 103712

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034435.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034435.D (-93) (-)

1.69

80000

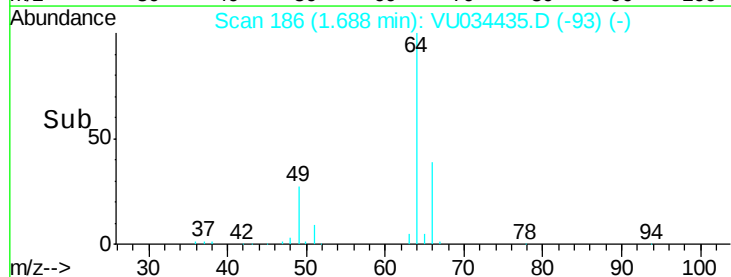
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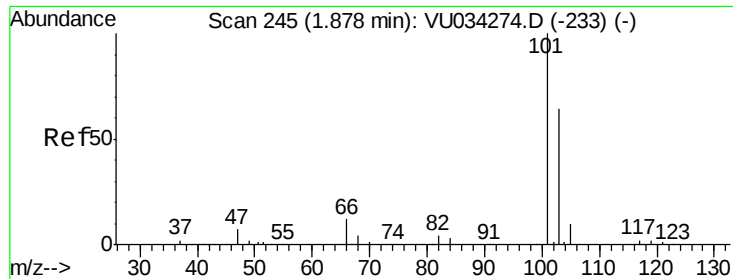
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20000

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Time-->





#7

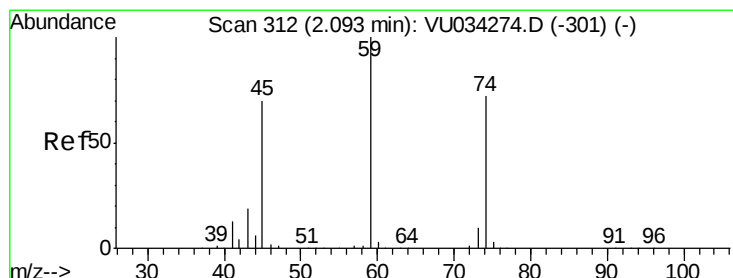
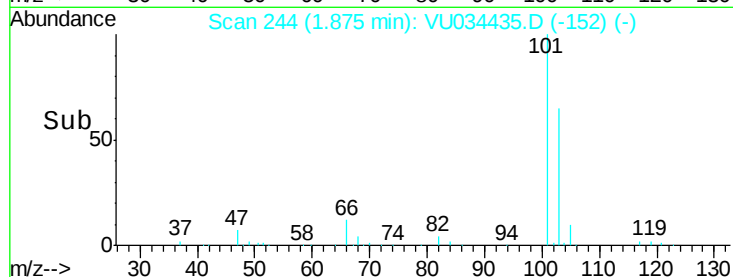
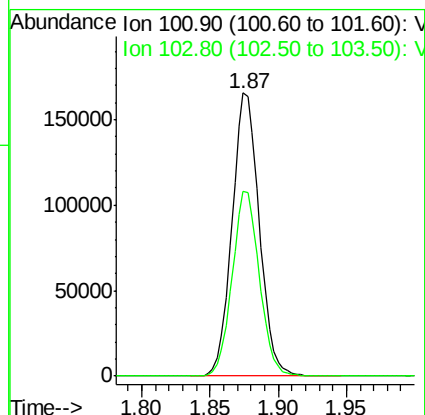
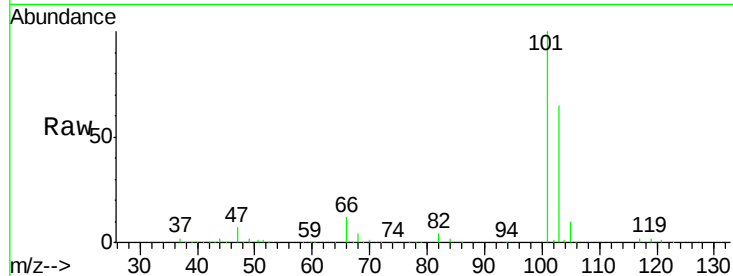
Trichlorofluoromethane
Concen: 50.954 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 229453
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.6

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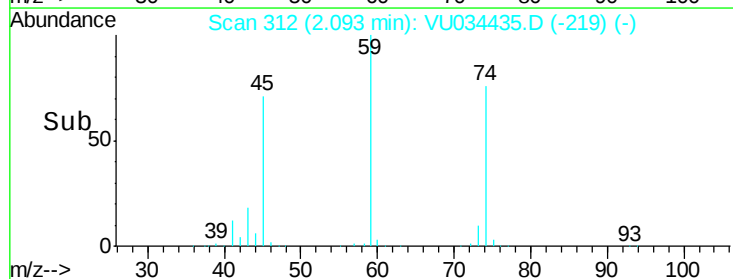
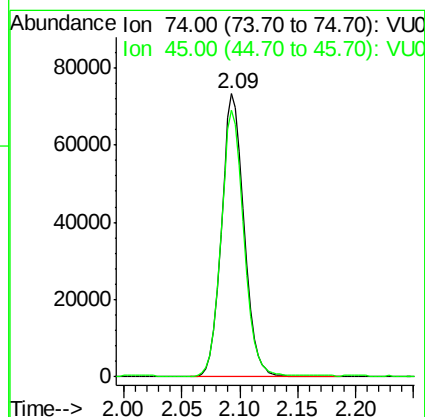
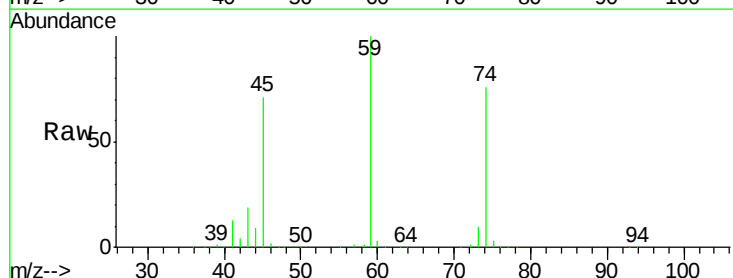
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9/11/2019 1:42:45 PM



#8

Diethyl Ether
Concen: 50.463 ug/l
RT: 2.09 min Scan# 312
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion: 74 Resp: 99958
Ion Ratio Lower Upper
74 100
45 94.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.388 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

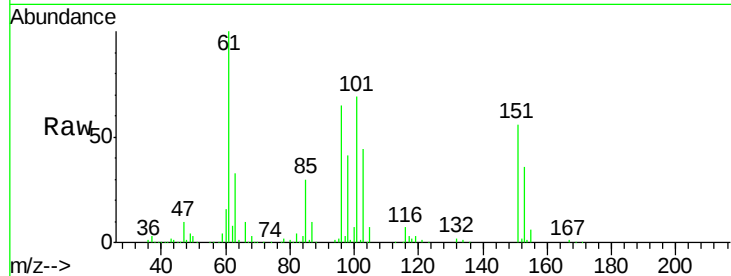
ClientSampleId :

VSTDCCC050

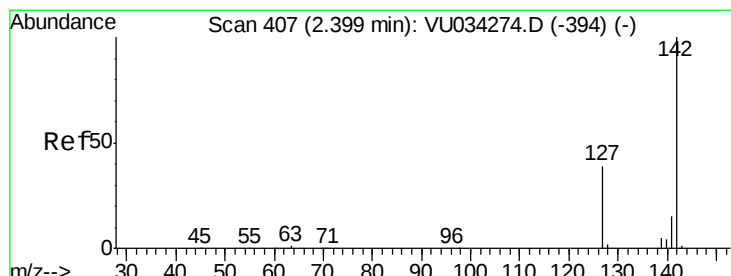
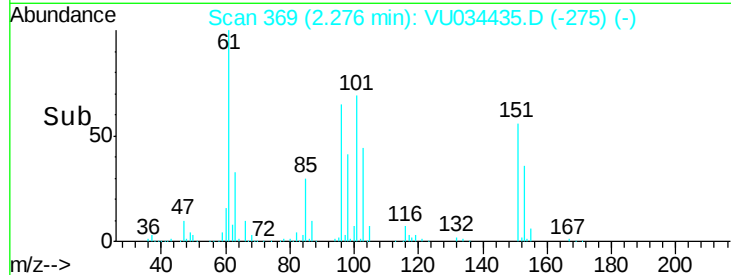
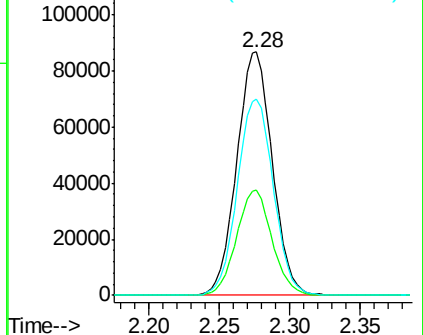
Tot Ion:	101	Resp:	153267
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	82.0	64.4	96.6

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



#10

Methyl Iodide

Concen: 46.535 ug/l

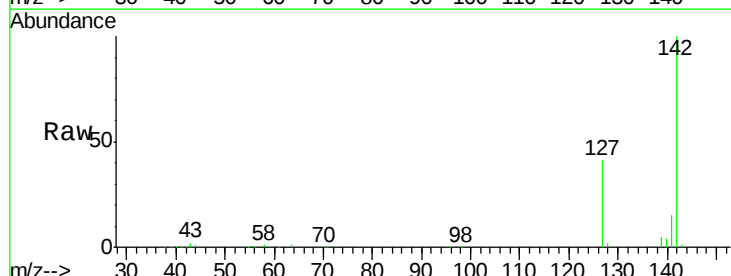
RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

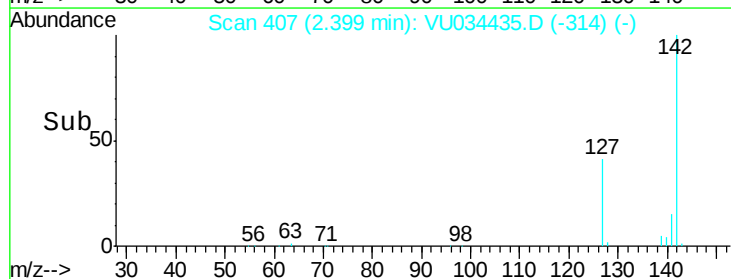
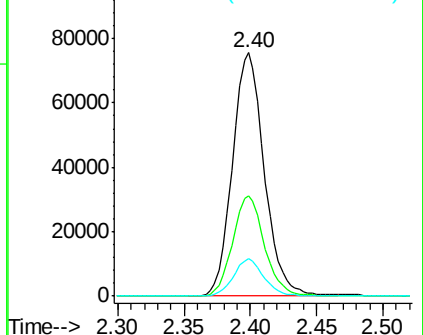
Lab File: VU034435.D

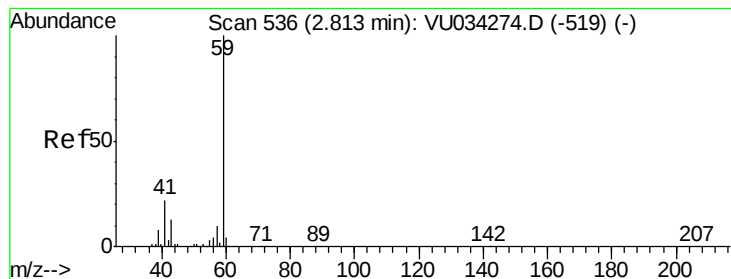
Acq: 10 Sep 2019 08:54

Tgt Ion:	142	Resp:	126195
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.1	48.1
141	14.6	11.5	17.3



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





#11

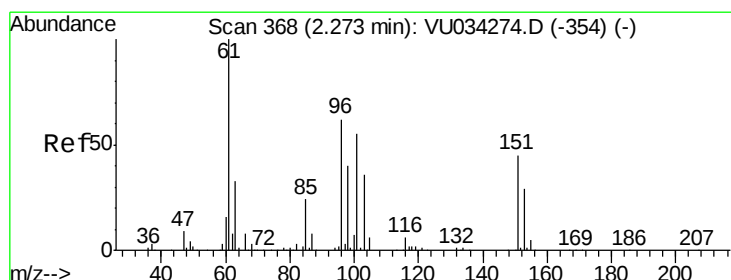
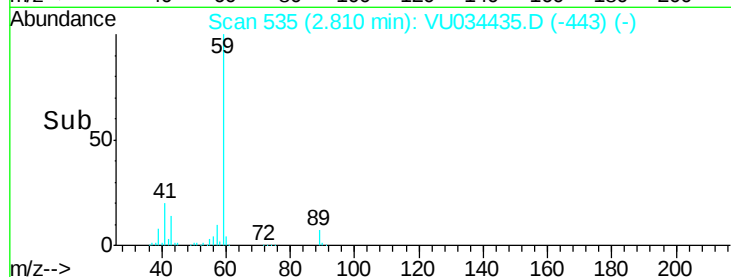
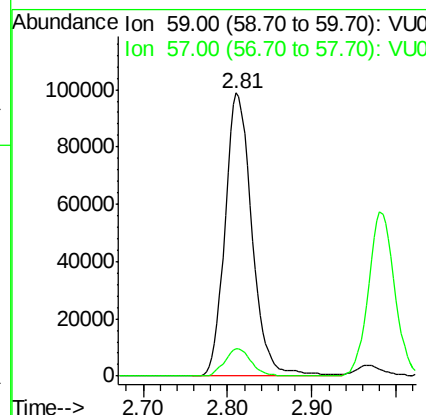
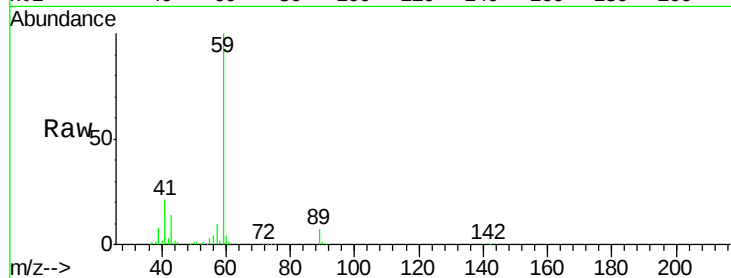
Tert butyl alcohol
 Concen: 266.477 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.9	11.9

Manual Integrations
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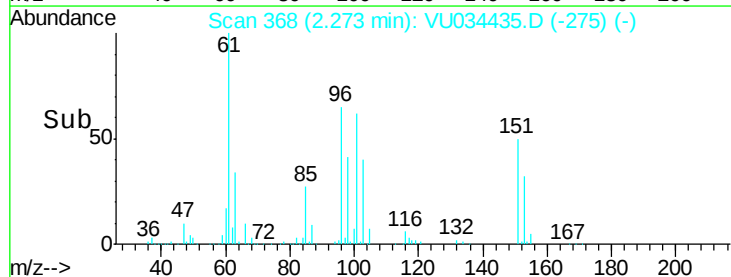
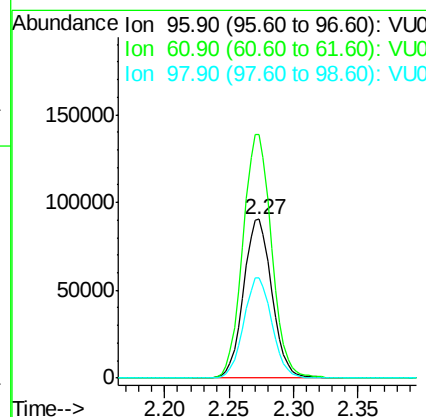
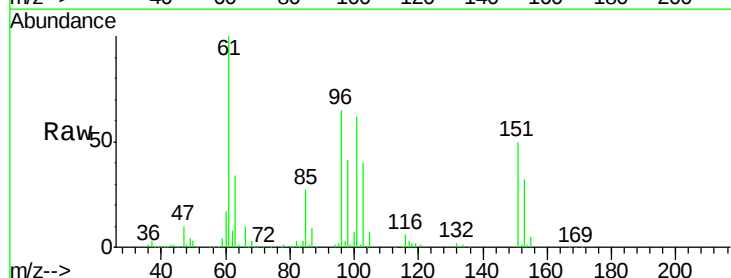
MMDadoda
 9/11/2019 1:42:45 PM

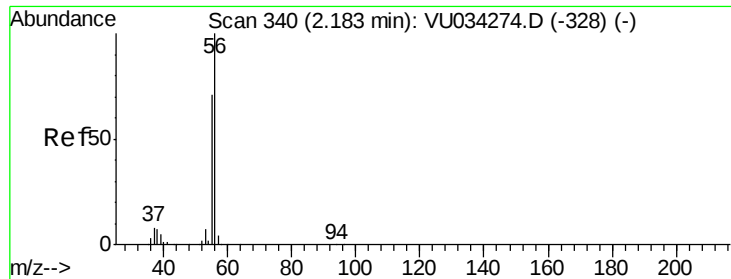


#12

1,1-Dichloroethene
 Concen: 49.559 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	130.0	195.0
98	63.4	52.2	78.4





#13

Acrolein

Concen: 156.289 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 108205

Ion Ratio Lower Upper

56 100

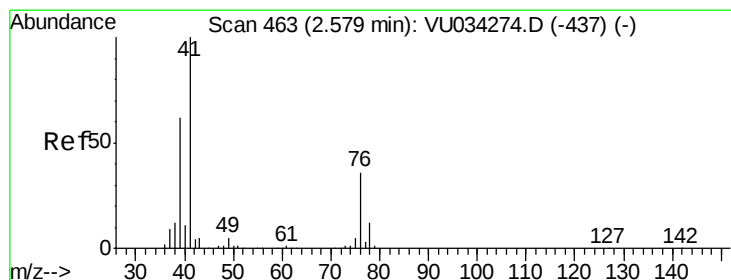
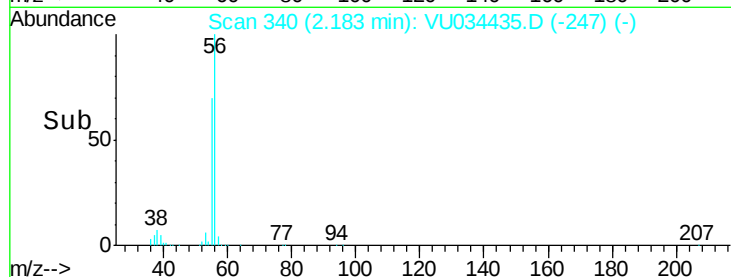
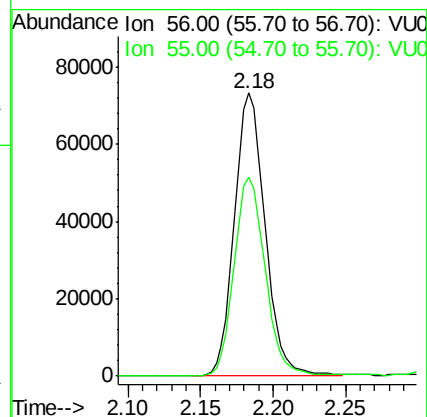
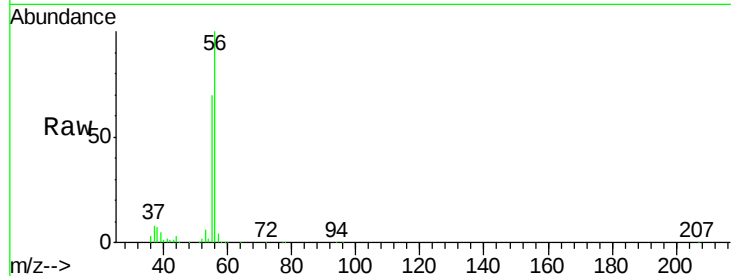
55 71.2 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.261 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

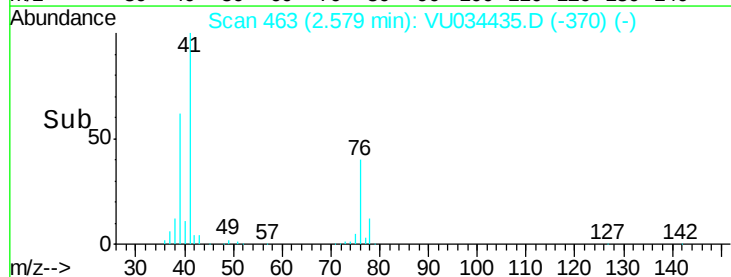
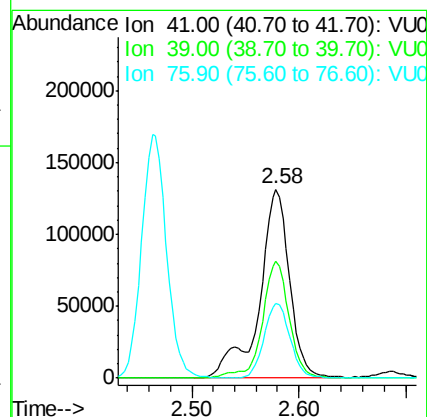
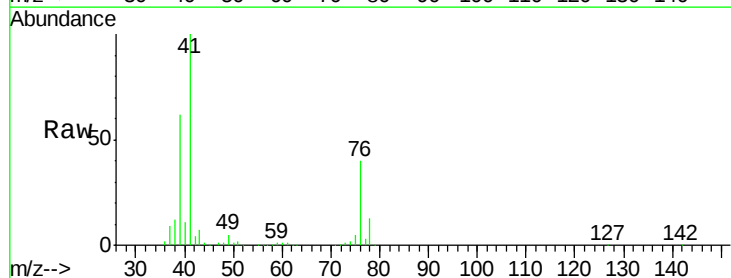
Tgt Ion: 41 Resp: 258691

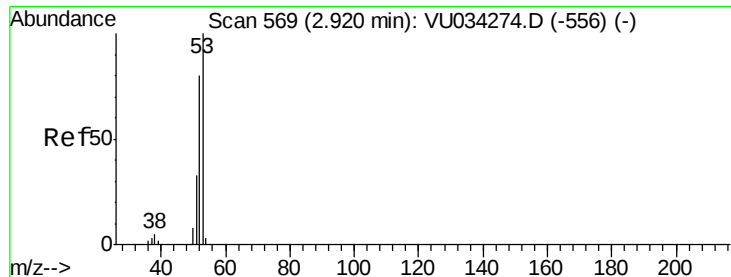
Ion Ratio Lower Upper

41 100

39 54.6 43.5 65.3

76 34.0 27.0 40.6





#15

Acrylonitrile

Concen: 259.294 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

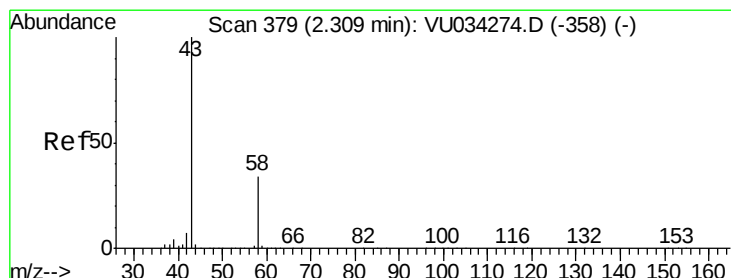
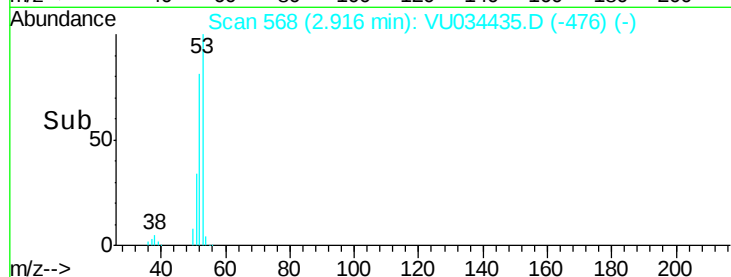
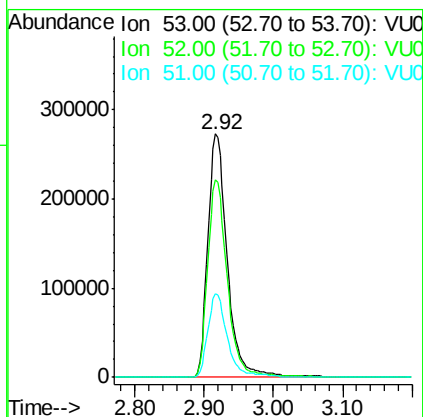
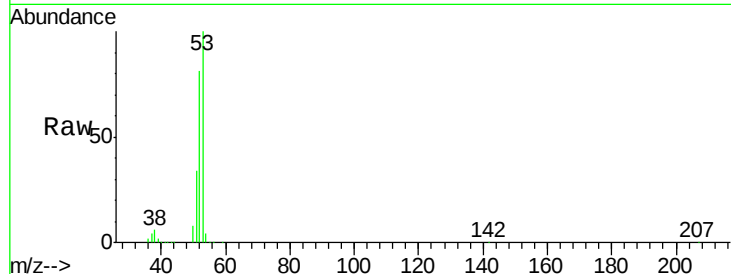
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	531887
Ion	Ratio	Lower	Upper
53	100		
52	81.5	64.1	96.1
51	34.8	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 304.666 ug/l

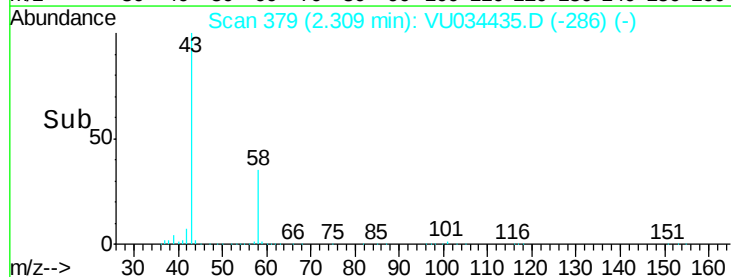
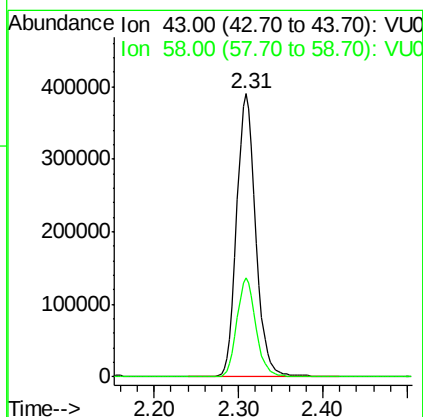
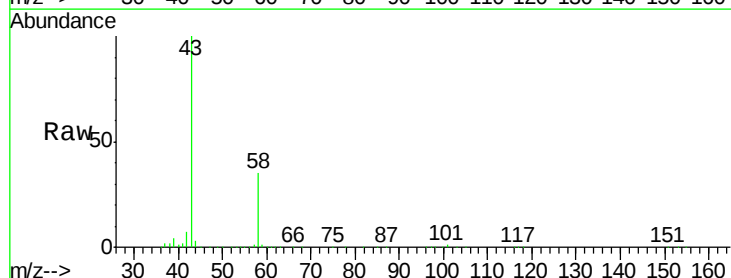
RT: 2.31 min Scan# 379

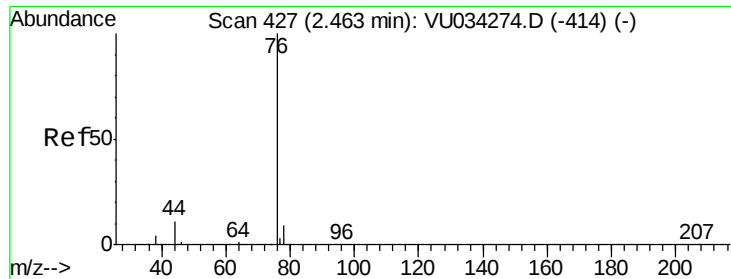
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	43	Resp:	614740
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.6	41.4





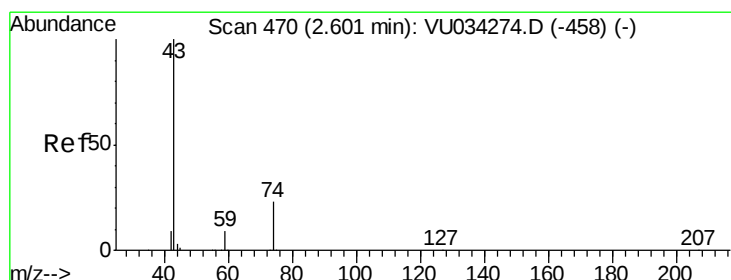
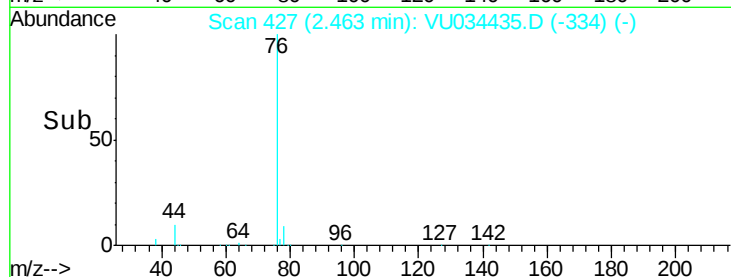
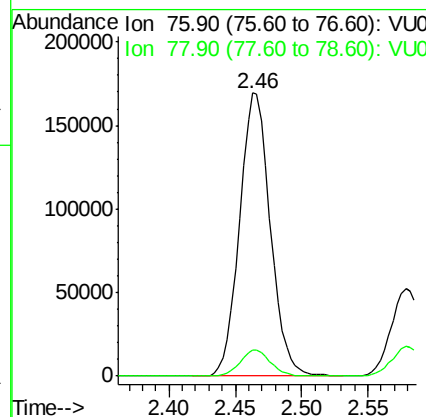
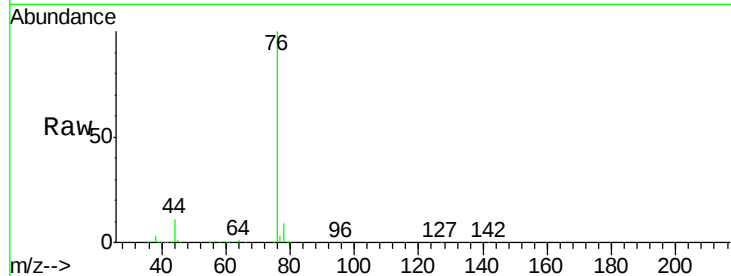
#17
Carbon Disulfide
Concen: 43.385 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

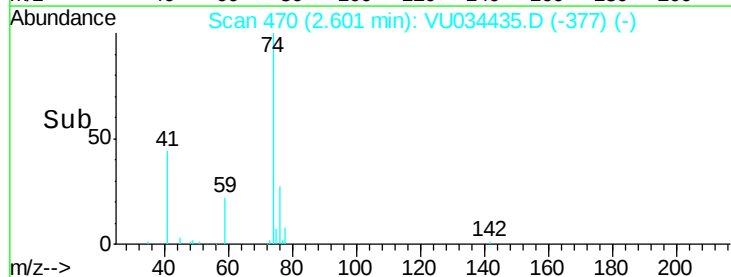
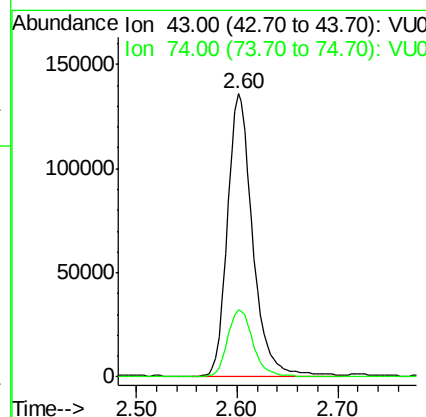
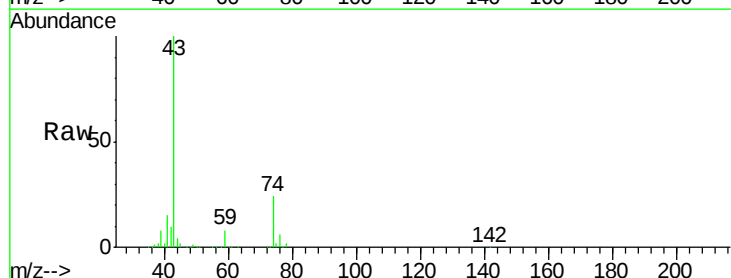
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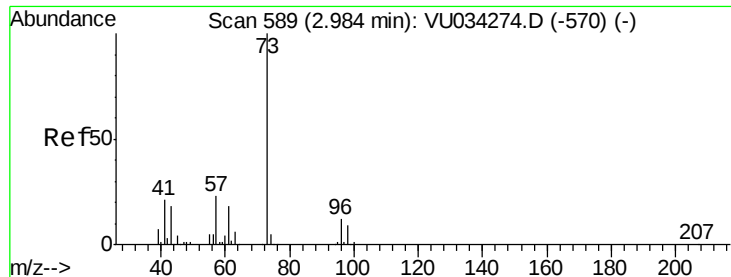
MMDadoda
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#18
Methyl Acetate
Concen: 48.172 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3





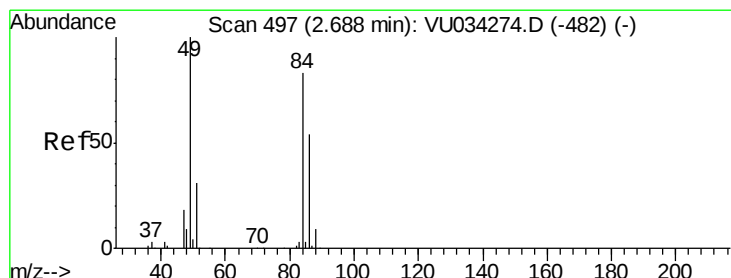
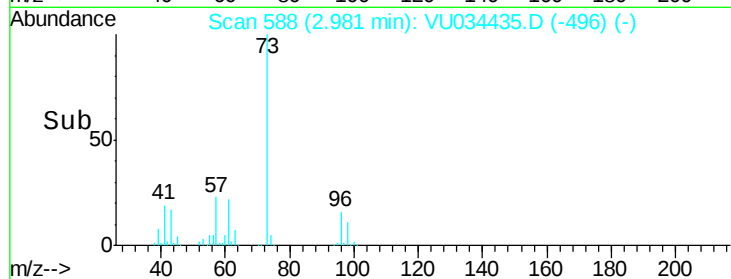
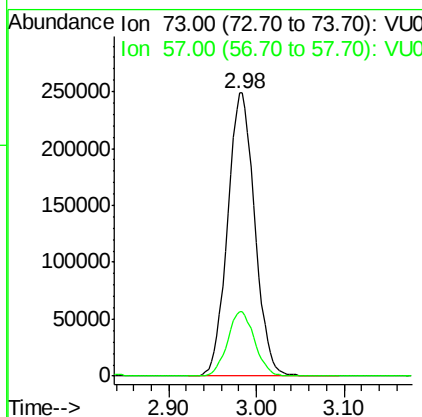
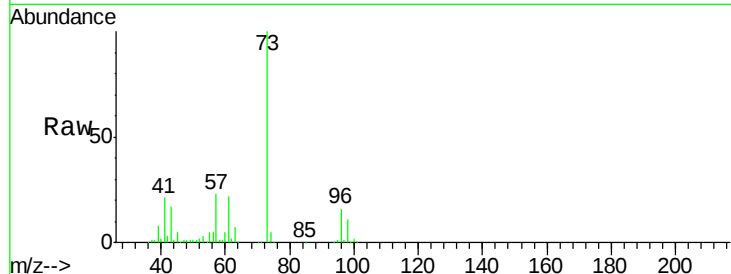
#19
Methvl tert-butvl Ether
Concen: 52.511 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 536646
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4

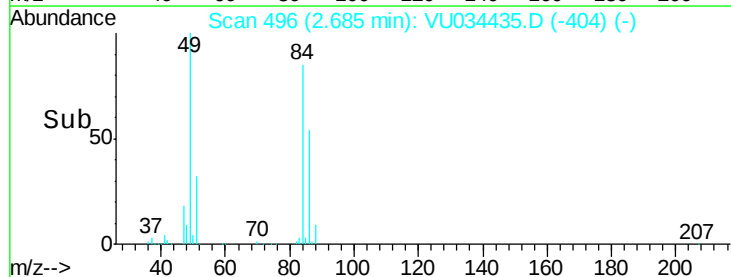
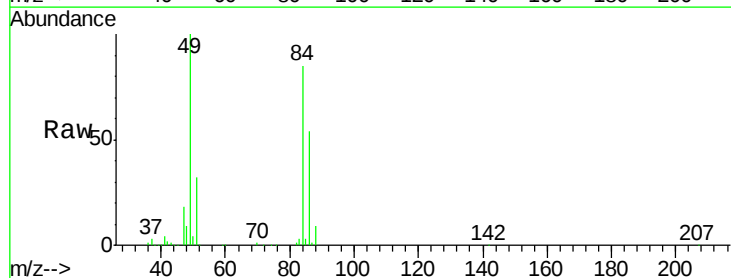
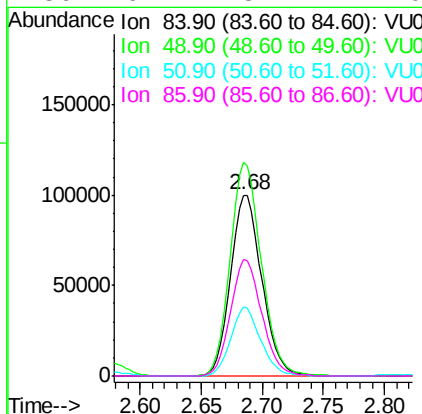
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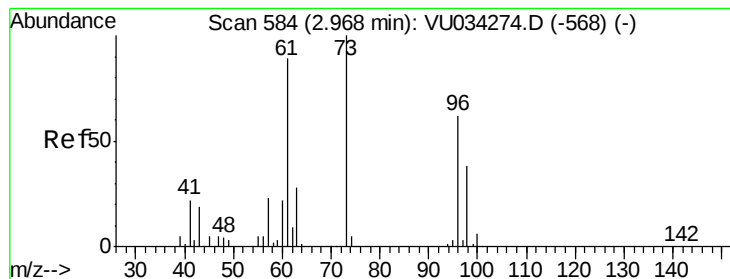
MMDadoda
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#20
Methylene Chloride
Concen: 54.169 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion: 84 Resp: 178916
Ion Ratio Lower Upper
84 100
49 118.3 96.0 144.0
51 38.0 30.0 45.0
86 64.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.716 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 146894

Ion Ratio Lower Upper

96 100

61 134.8 114.8 172.2

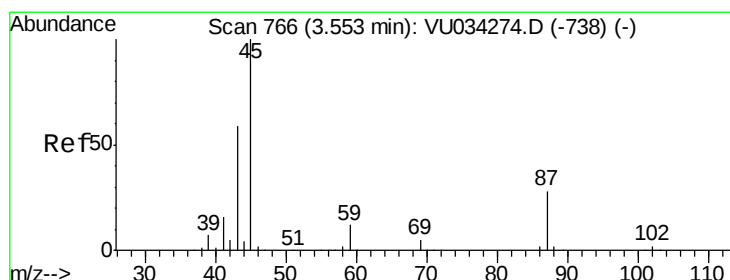
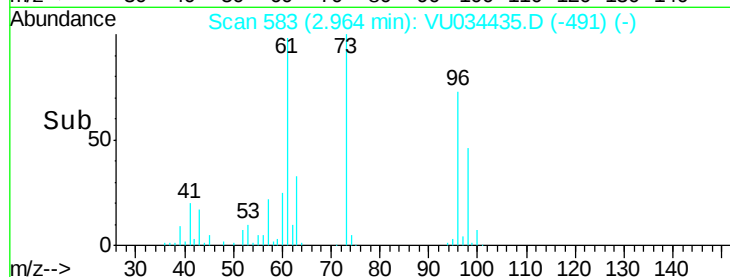
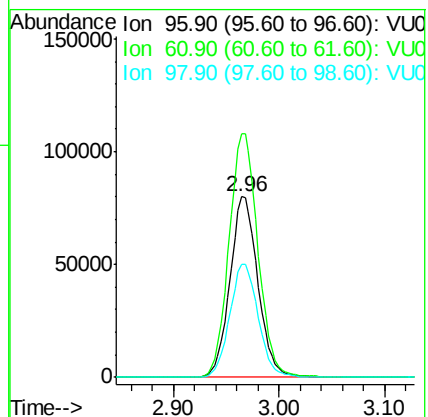
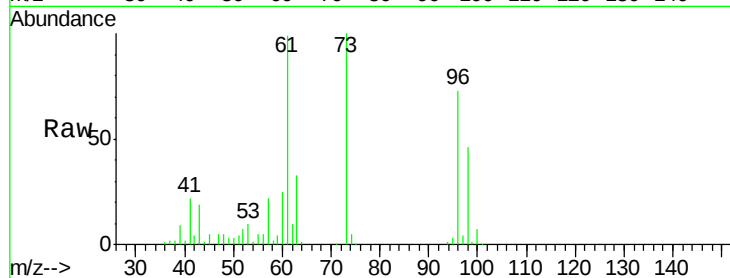
98 62.6 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.073 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion: 45 Resp: 554788

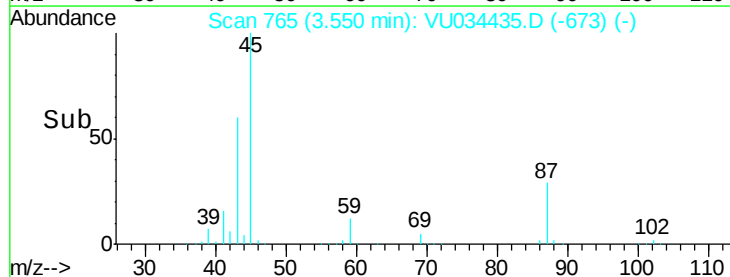
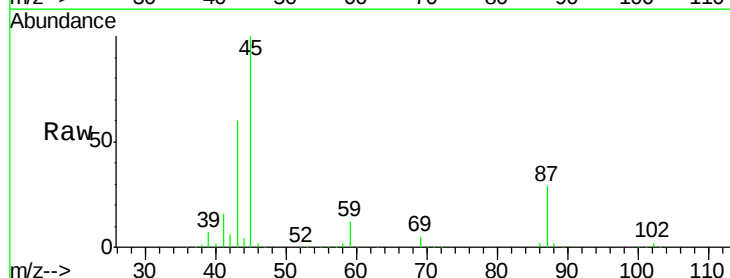
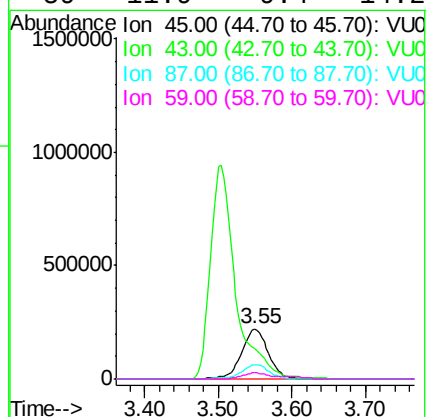
Ion Ratio Lower Upper

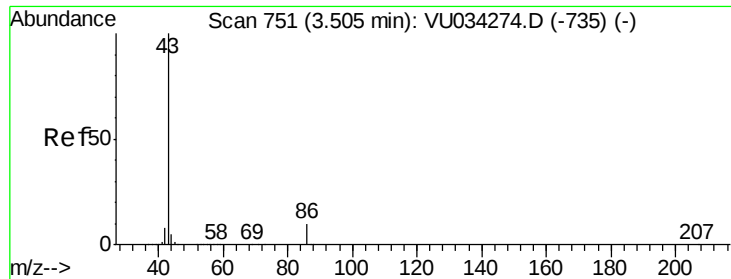
45 100

43 60.1 47.5 71.3

87 28.5 22.2 33.4

59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 264.364 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tot Ion: 43 Resp: 2251038

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5

Instrument :

MSVOA_U

ClientSampleId :

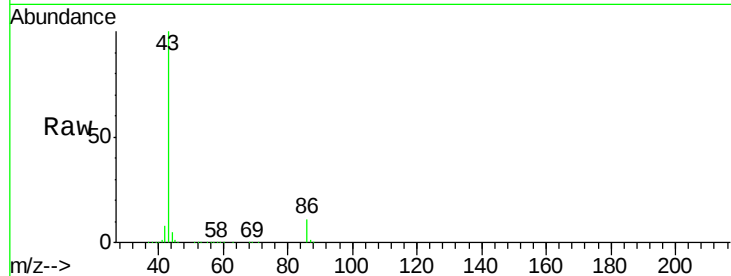
VSTDCCC050

Manual Integrations

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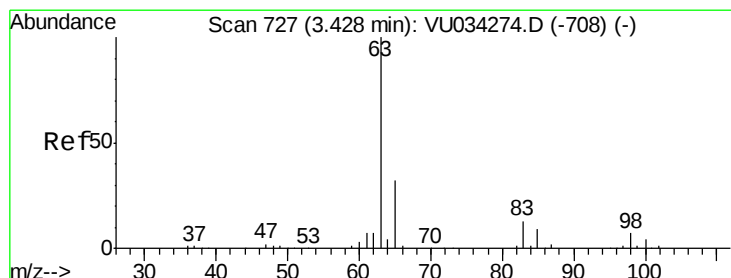
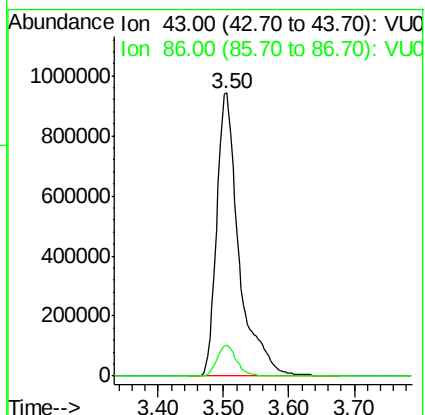
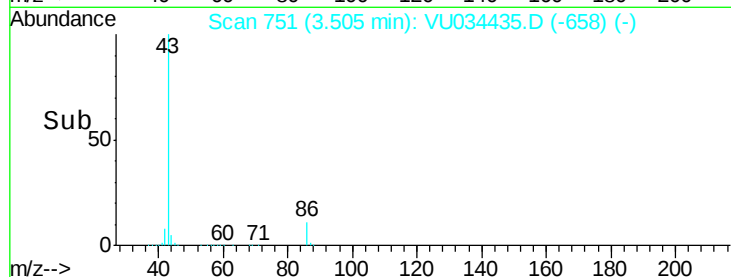


Abundance Ion 43.00 (42.70 to 43.70): VU034435.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034435.D (-658) (-)

3.50

Time-->



#24

1,1-Dichloroethane

Concen: 49.998 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

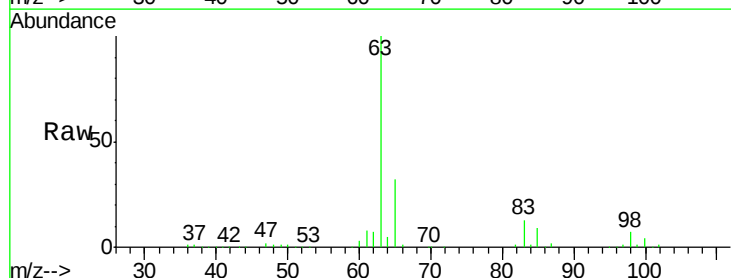
Tgt Ion: 63 Resp: 312125

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.3 2.1 6.5



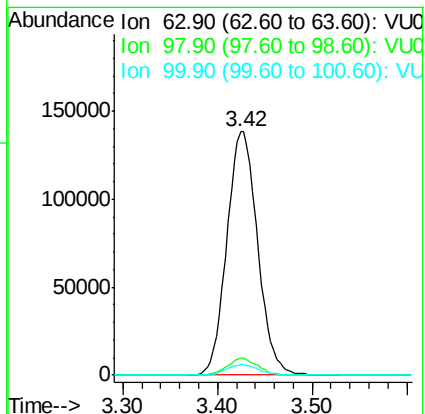
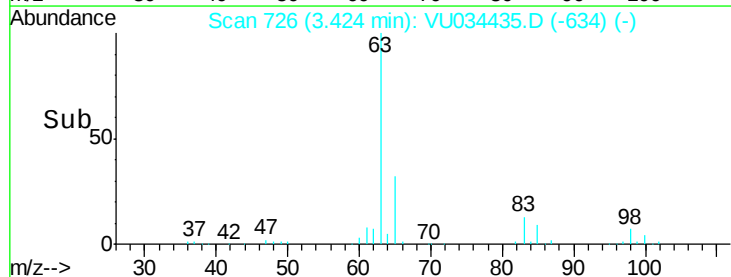
Abundance Ion 62.90 (62.60 to 63.60): VU034435.D (-634) (-)

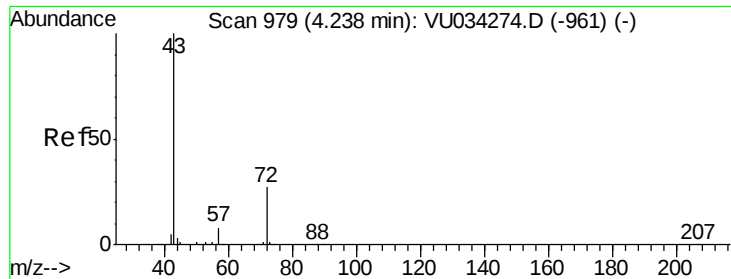
Ion 97.90 (97.60 to 98.60): VU034435.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034435.D (-634) (-)

3.42

Time-->





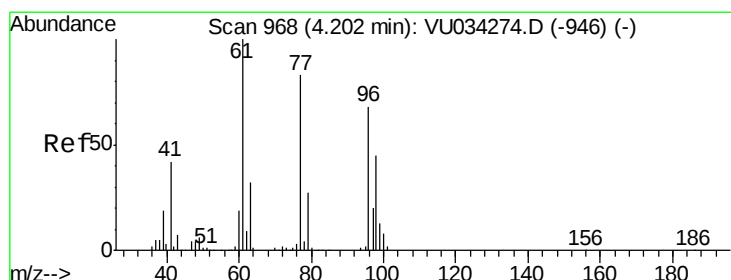
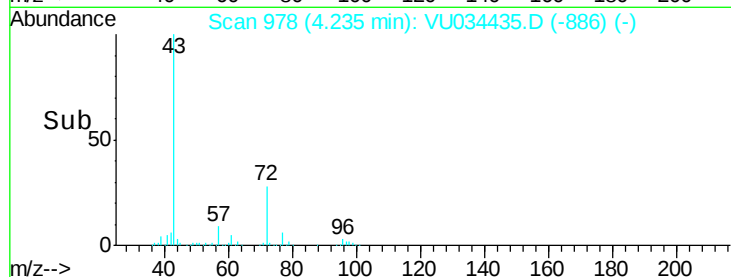
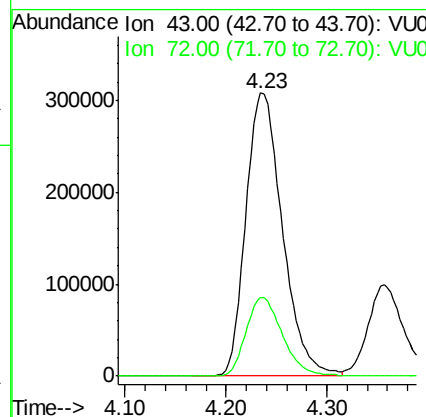
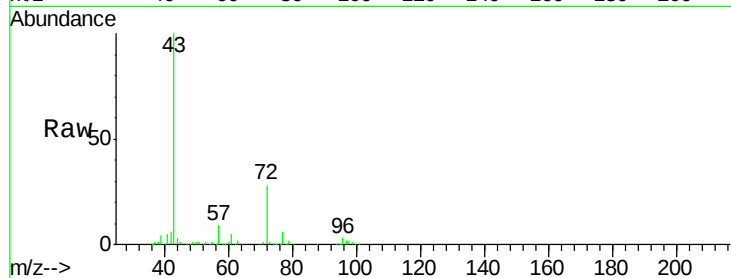
#25
2-Butanone
Concen: 285.916 ug/l
RT: 4.23 min Scan# 978
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 770096
Ion Ratio Lower Upper
43 100
72 27.8 21.8 32.6

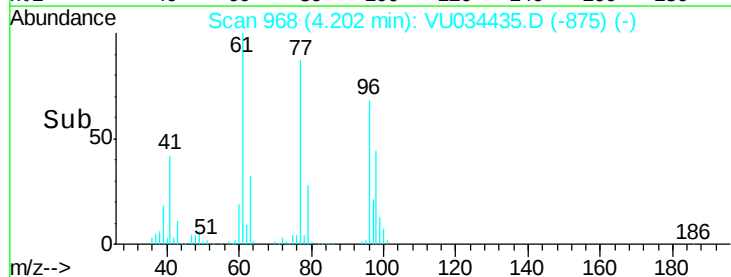
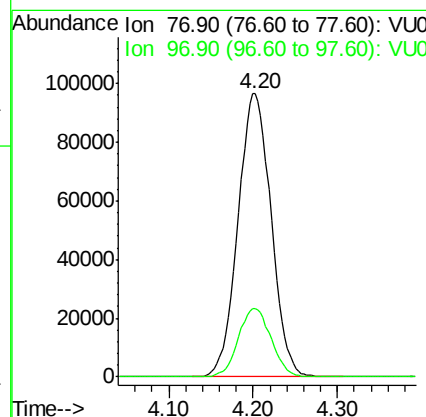
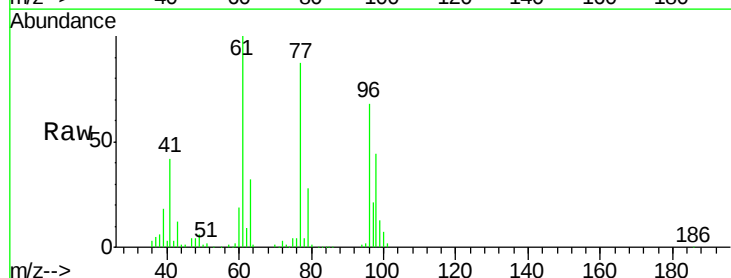
Manual Integrations
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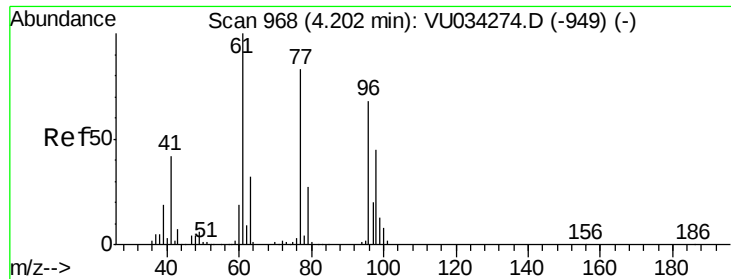
MMDadoda
9/11/2019 1:42:45 PM



#26
2,2-Dichloropropane
Concen: 52.525 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion: 77 Resp: 263721
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

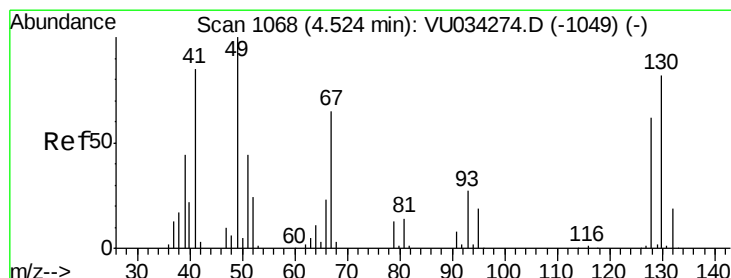
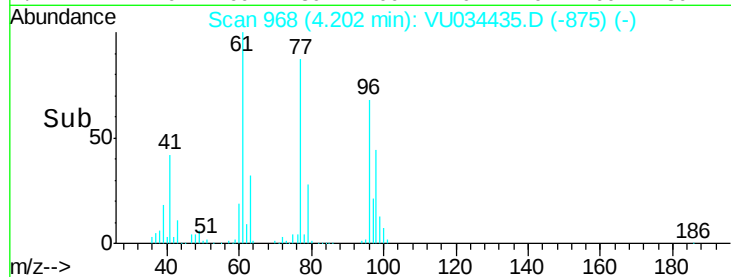
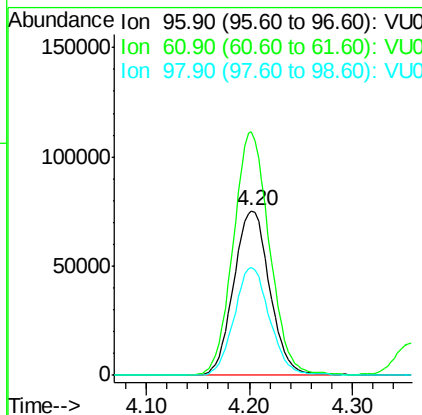
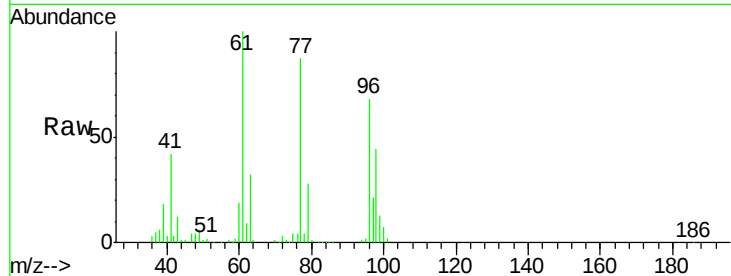
cis-1,2-Dichloroethene
Concen: 51.108 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	297.4
98	64.6	0.0	130.0

Manual Integrations
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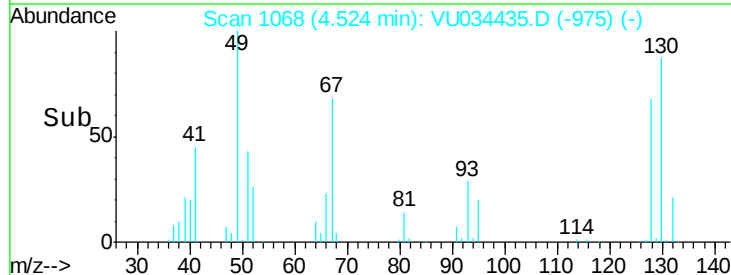
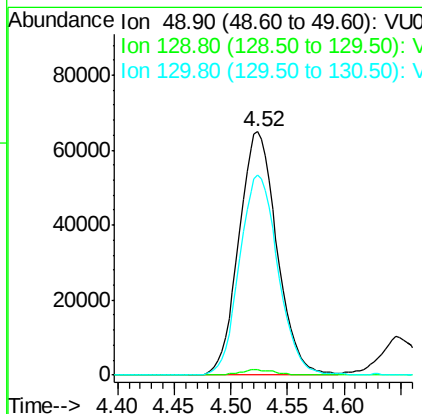
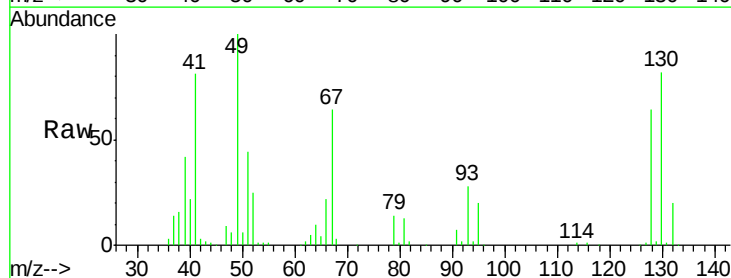
MMDadoda
9/11/2019 1:42:45 PM

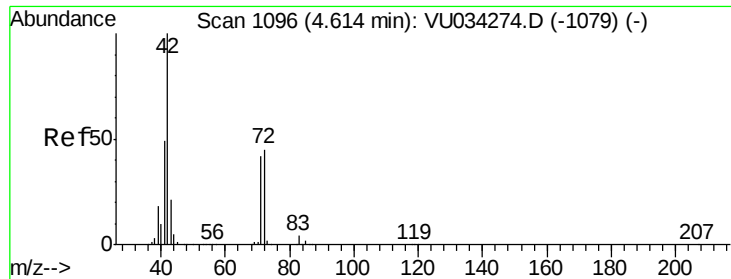


#28

Bromochloromethane
Concen: 52.935 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	83.3	65.2	97.8





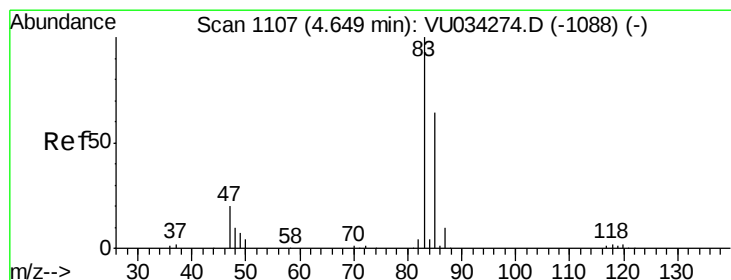
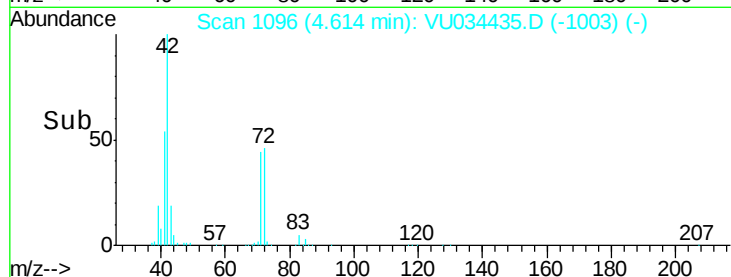
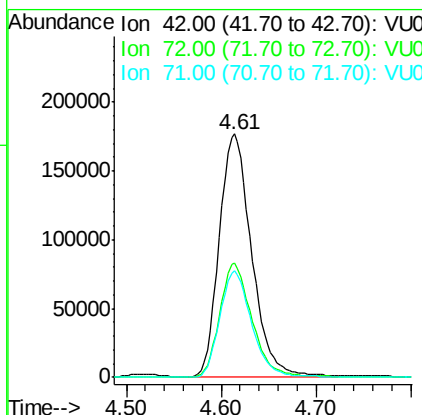
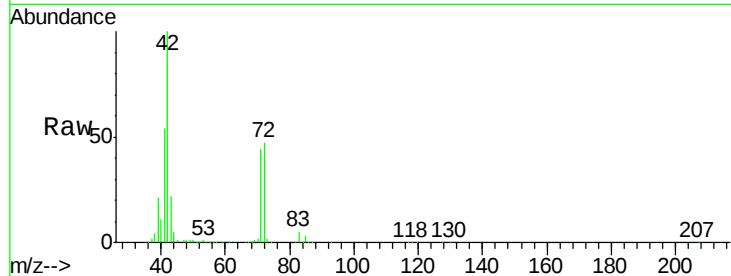
#29
Tetrahydrofuran
Concen: 255.899 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.6	54.8
71	43.1	34.3	51.5

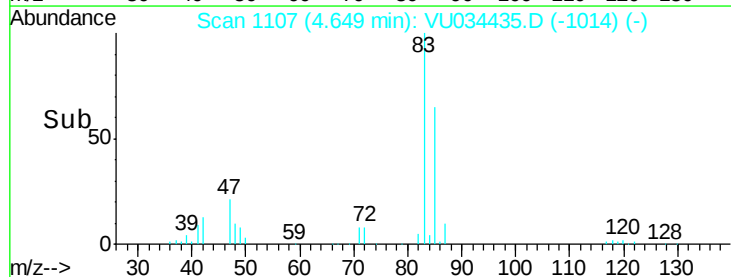
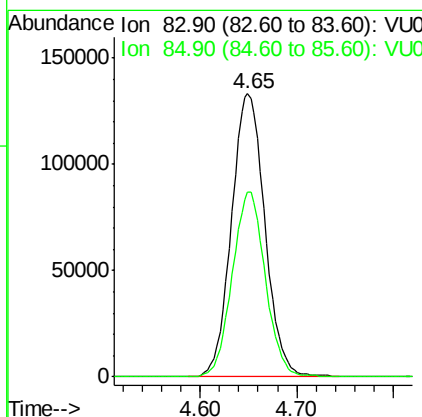
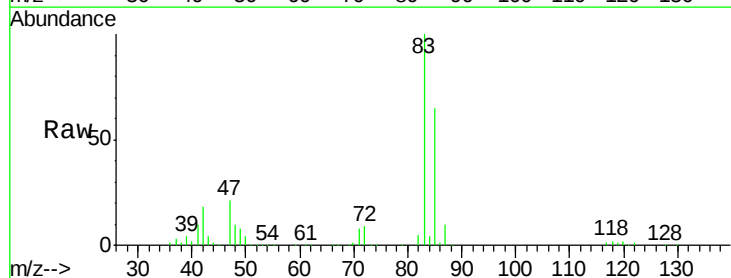
Manual Integrations
APPROVED

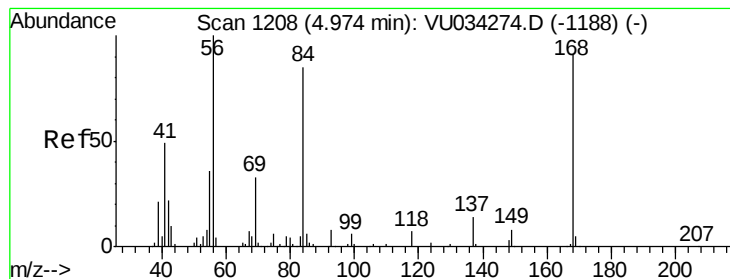
MMDadoda
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#30
Chloroform
Concen: 50.307 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





#31

Cyclohexane

Concen: 47.886 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

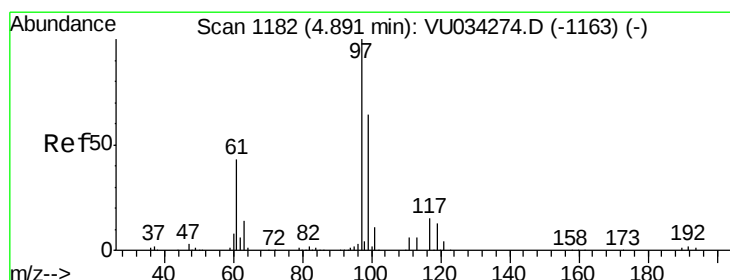
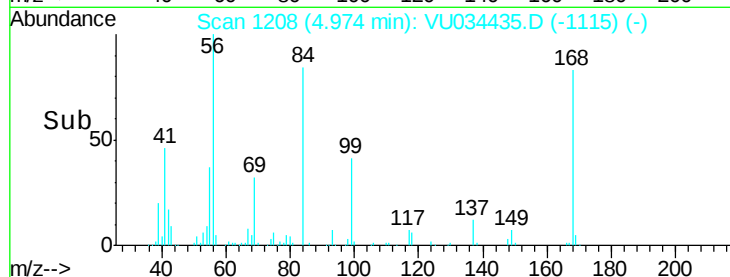
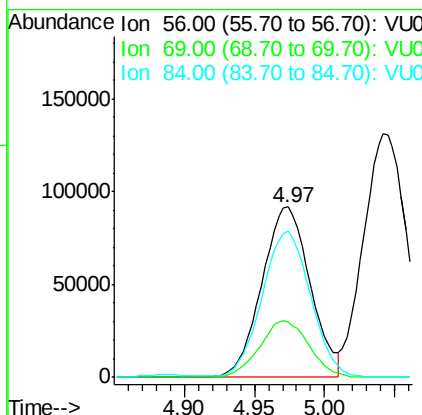
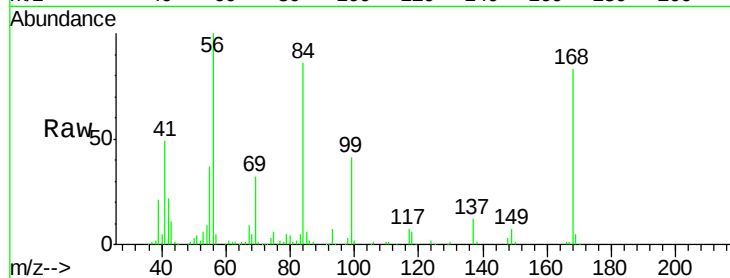
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	218696
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.7	40.1
84	84.5	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.692 ug/l

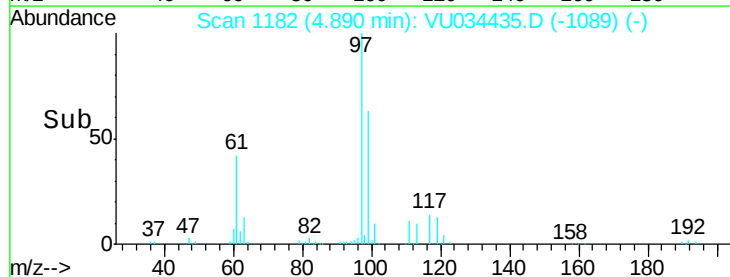
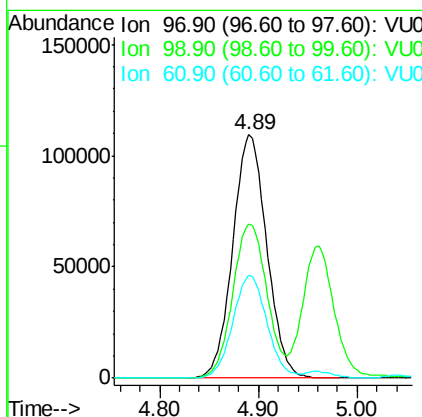
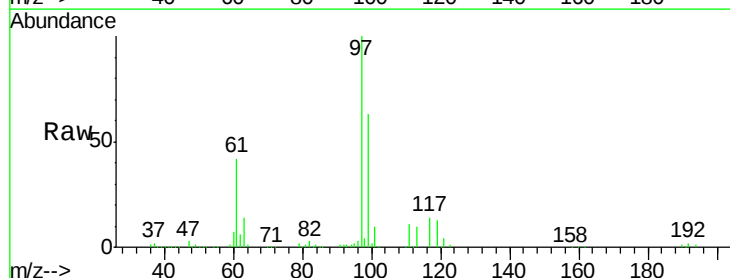
RT: 4.89 min Scan# 1182

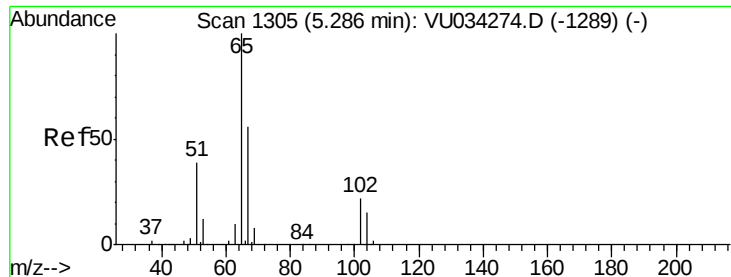
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	97	Resp:	262254
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	42.5	34.7	52.1





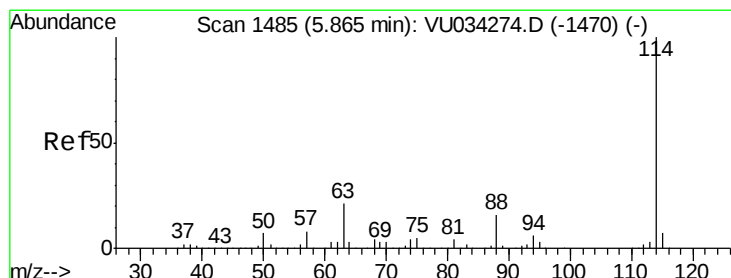
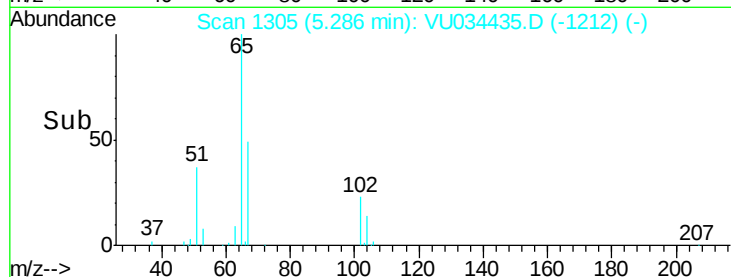
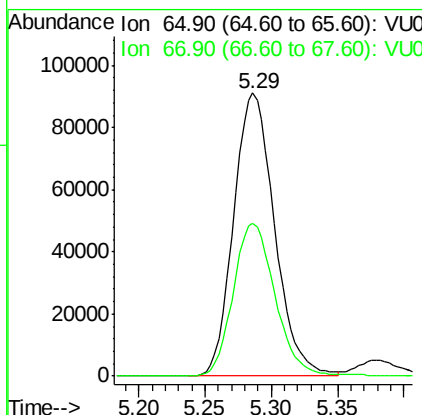
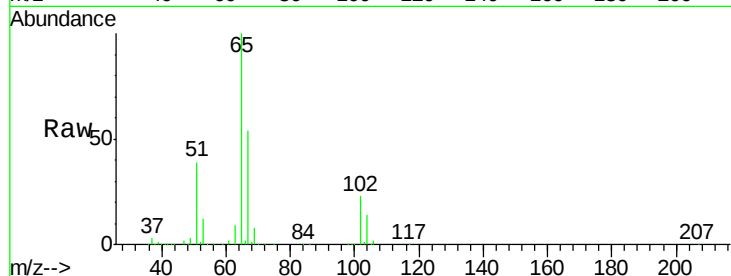
#33
 1,2-Dichloroethane-d4
 Concen: 50.177 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	112.4

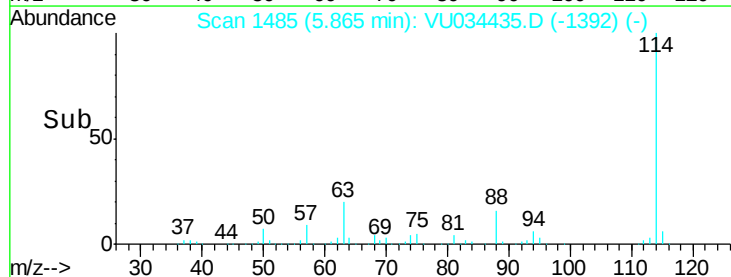
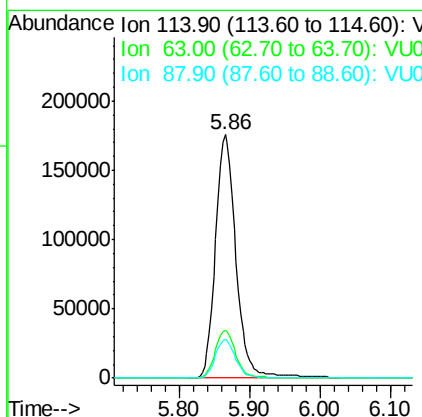
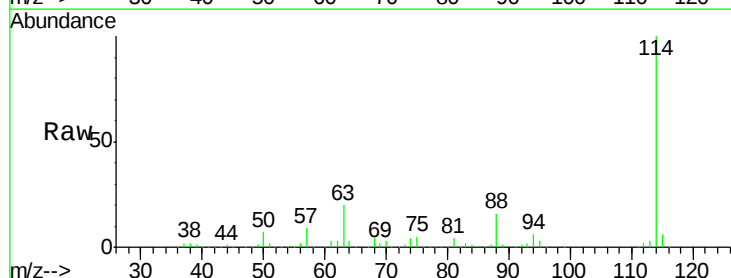
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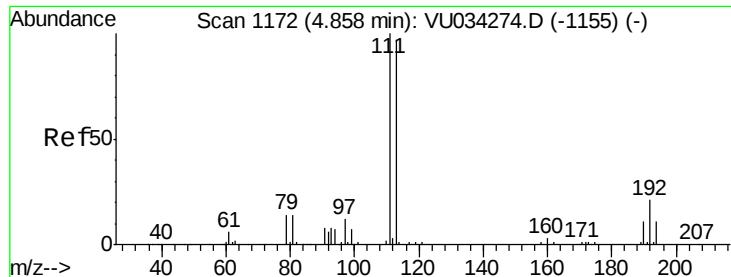
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.4
88	15.9	0.0	32.4





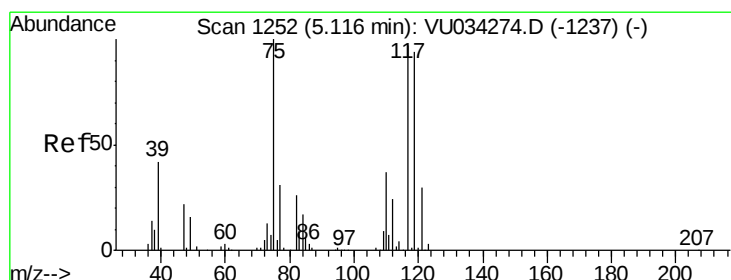
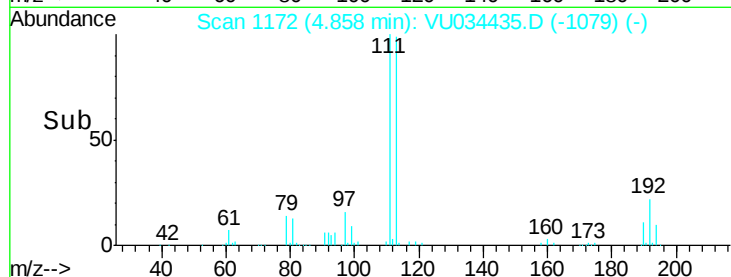
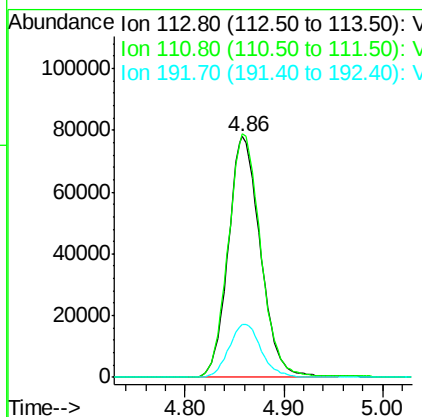
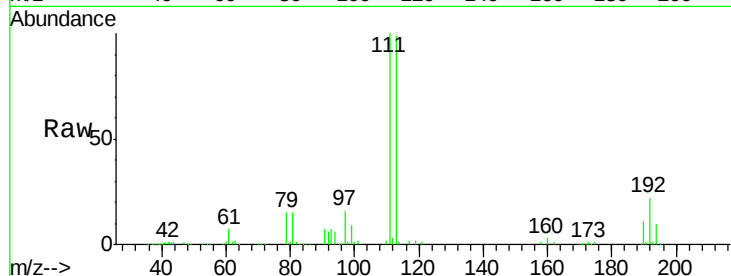
#35
 Dibromofluoromethane
 Concen: 53.425 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176955		
111	102.3	81.5	122.3	
192	22.1	17.8	26.8	

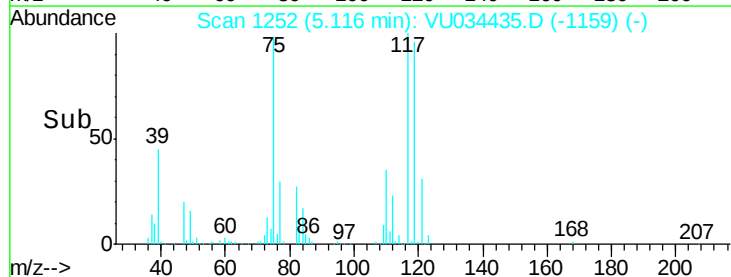
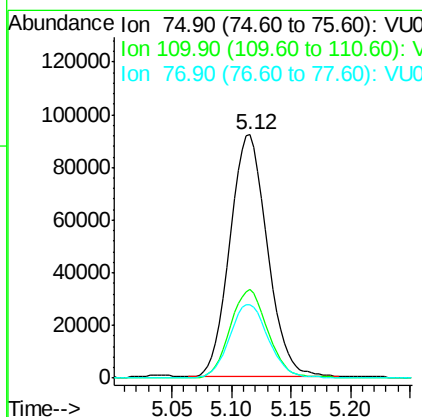
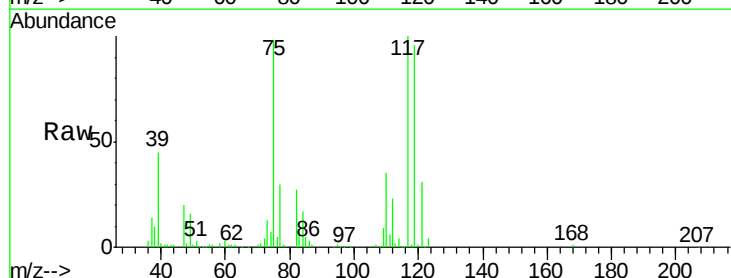
Manual Integrations
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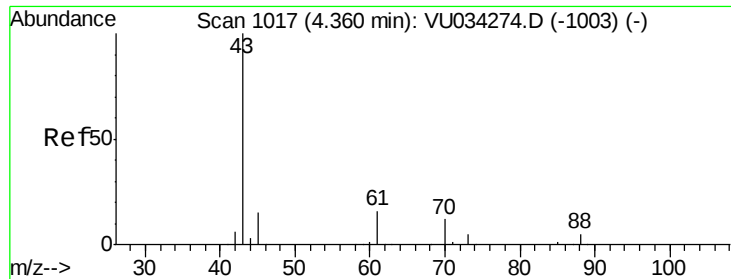
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 9/11/2019 1:42:45 PM



#36
 1,1-Dichloropropene
 Concen: 51.857 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200191		
110	37.2	18.3	54.9	
77	31.2	24.9	37.3	





#37

Ethyl Acetate

Concen: 53.222 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

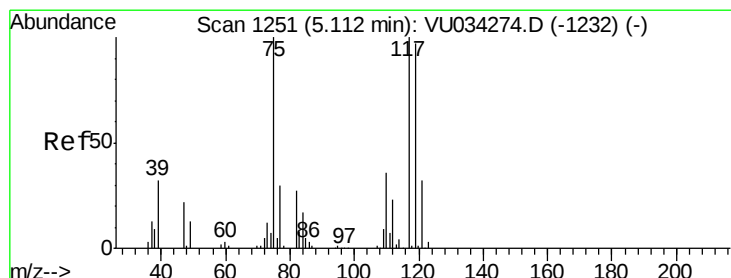
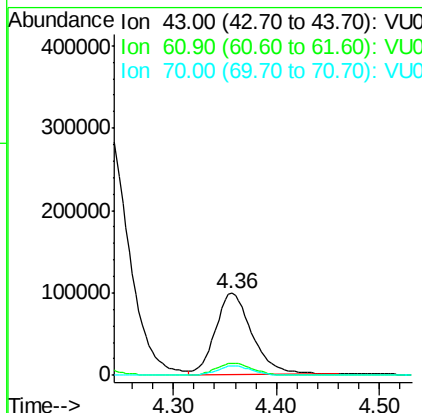
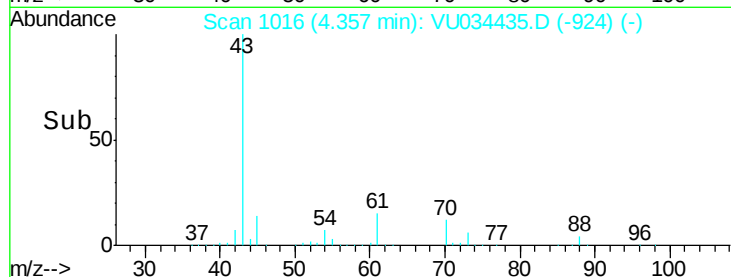
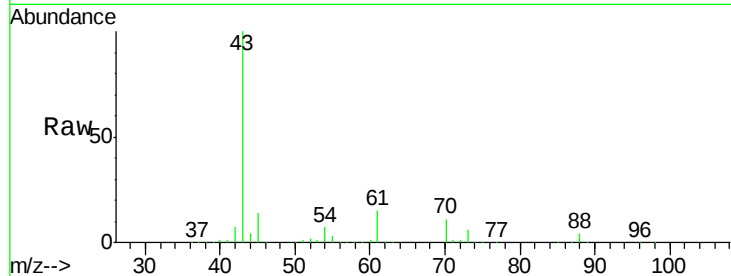
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	242922
Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.3	18.5
70	11.6	9.1	13.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.672 ug/l

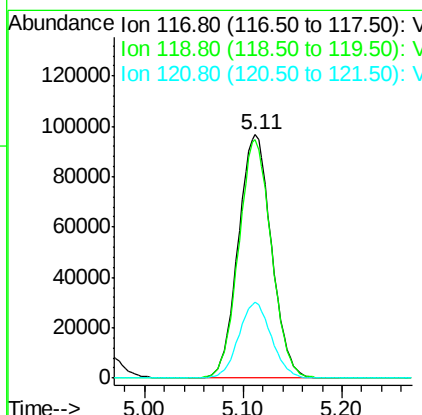
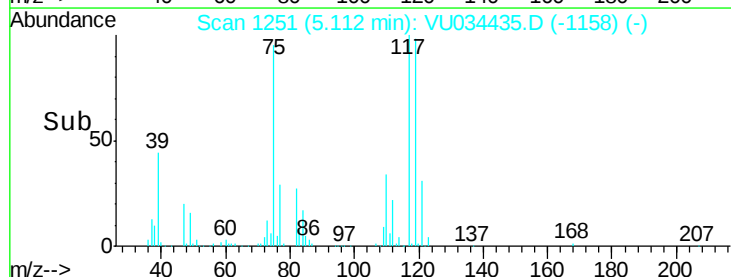
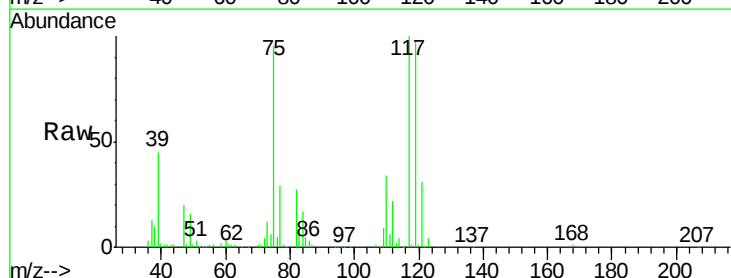
RT: 5.11 min Scan# 1251

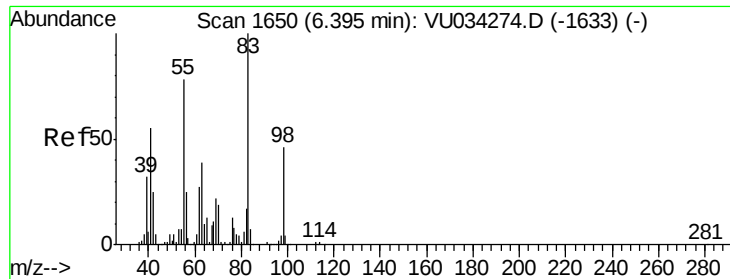
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	117	Resp:	225354
Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.8	116.6
121	31.0	25.2	37.8





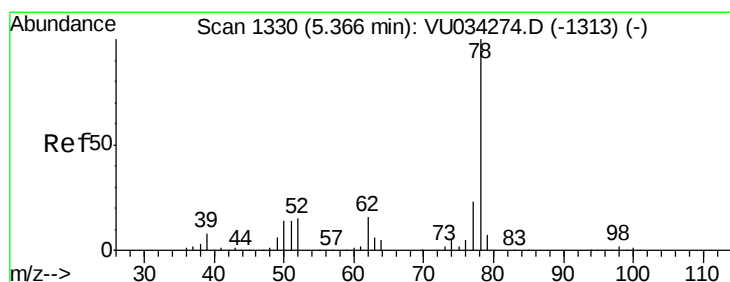
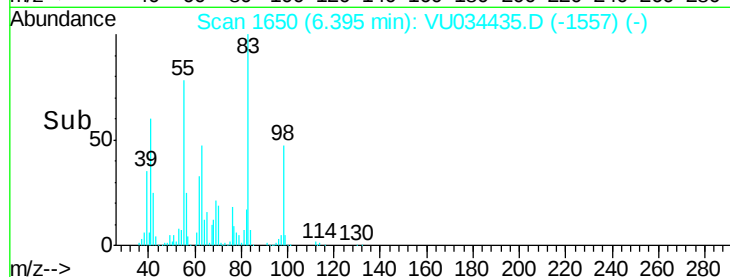
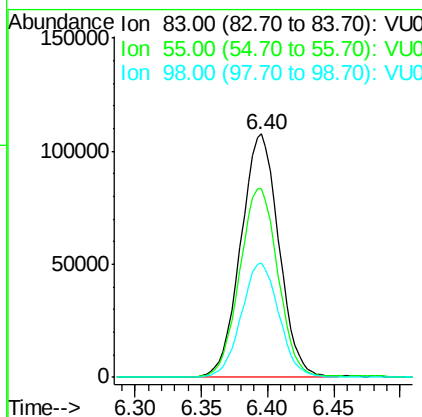
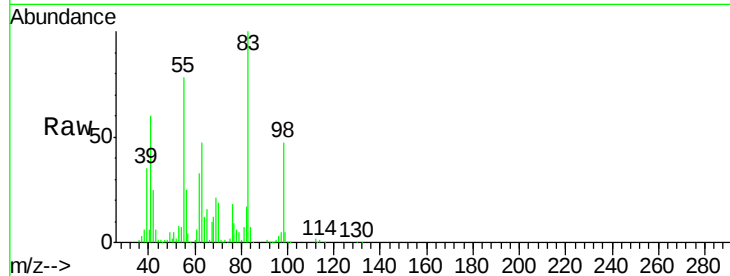
#39
Methvlcvclohexane
Concen: 52.249 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.1	93.1
98	46.7	37.0	55.6

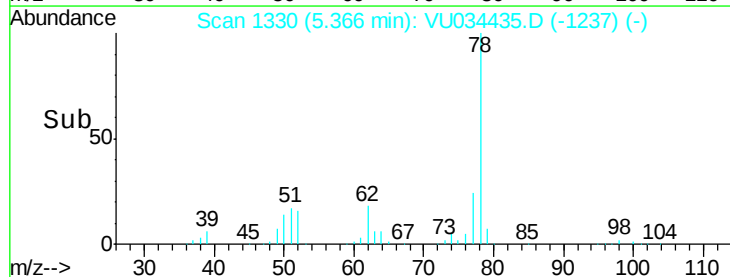
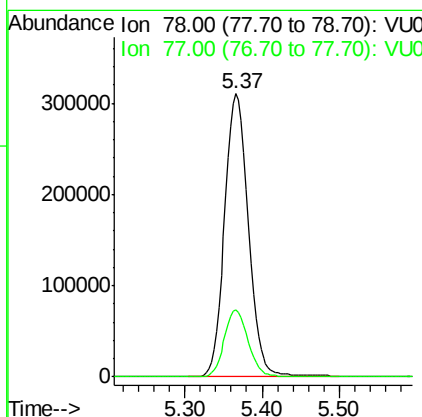
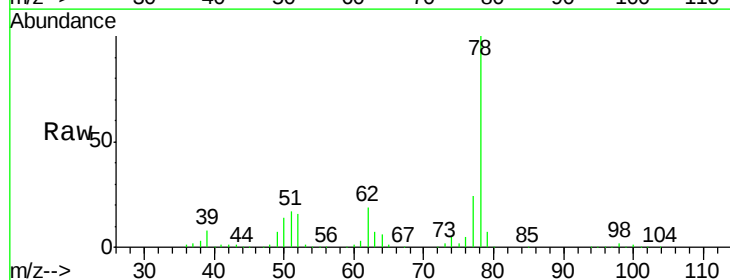
Manual Integrations
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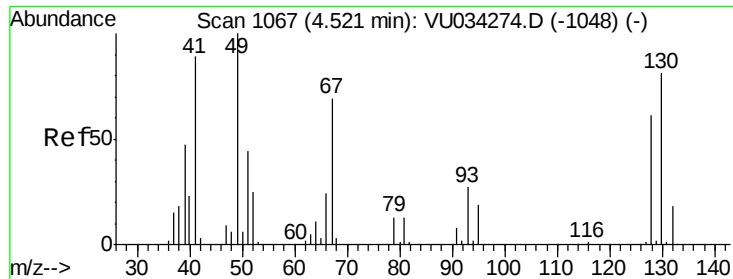
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#40
Benzene
Concen: 53.351 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





#41

Methacrylonitrile

Concen: 55.236 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

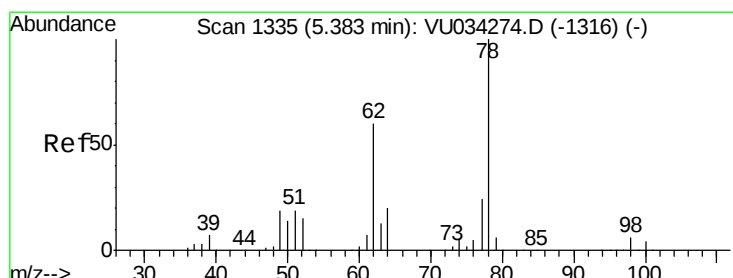
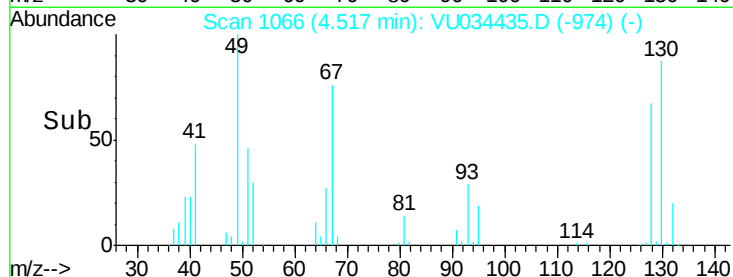
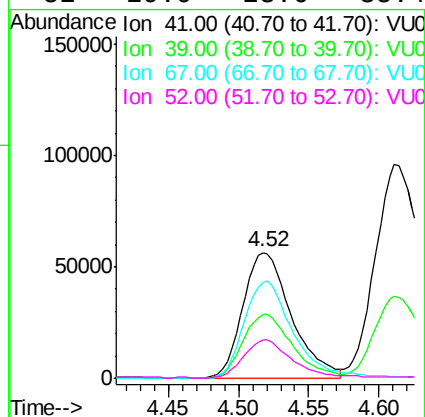
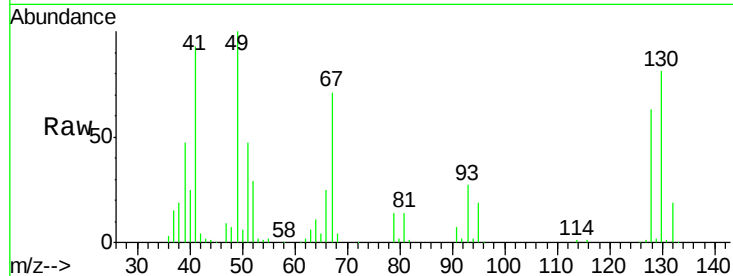
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.0	41.0	61.4		
67	80.2	62.4	93.6		
52	29.9	23.6	35.4		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.833 ug/l

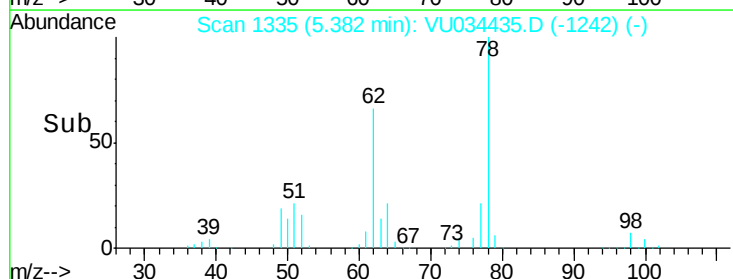
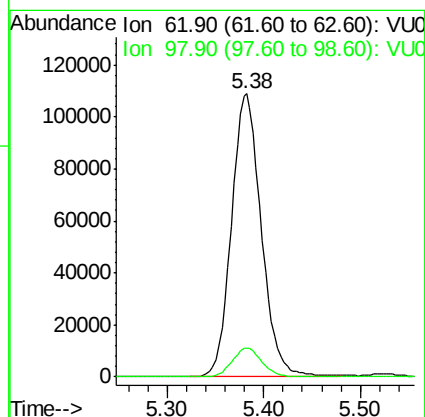
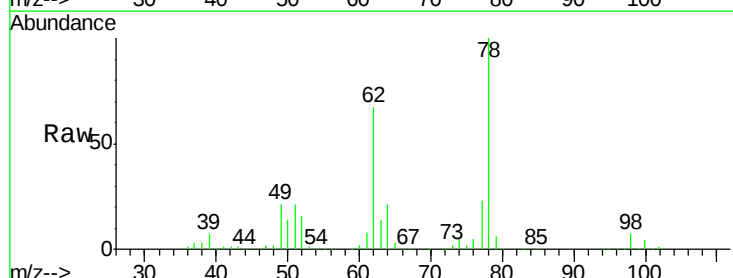
RT: 5.38 min Scan# 1335

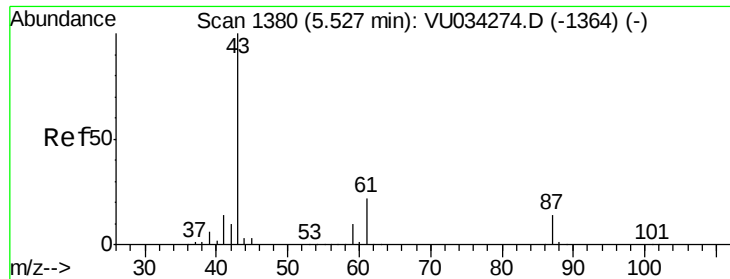
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.0		





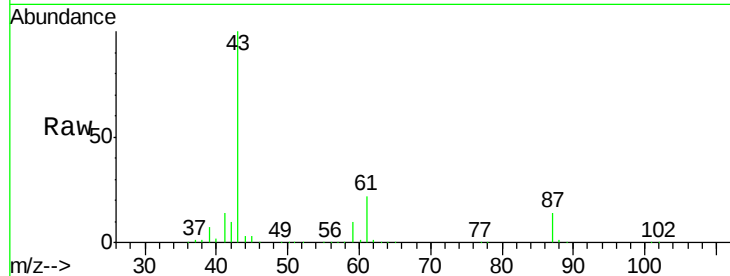
#43
Isopropyl Acetate
Concen: 52.751 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

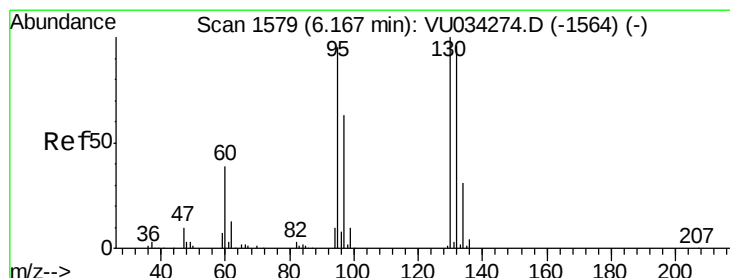
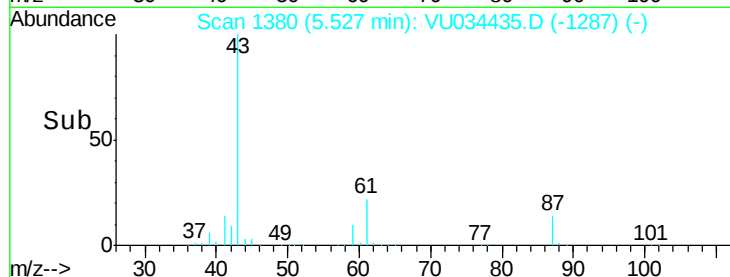
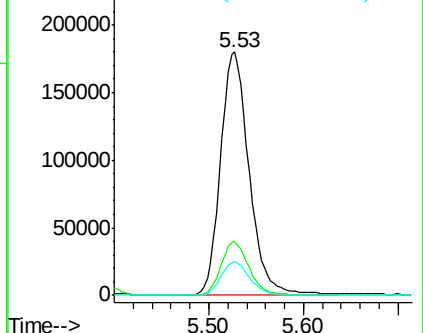
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.1	25.7
87	13.7	11.1	16.7

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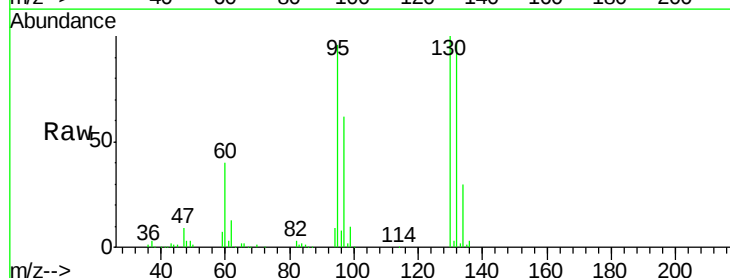


Abundance Ion 43.00 (42.70 to 43.70): VU034435.D (-1287) (-)
Ion 61.00 (60.70 to 61.70): VU034435.D (-1287) (-)
Ion 87.00 (86.70 to 87.70): VU034435.D (-1287) (-)

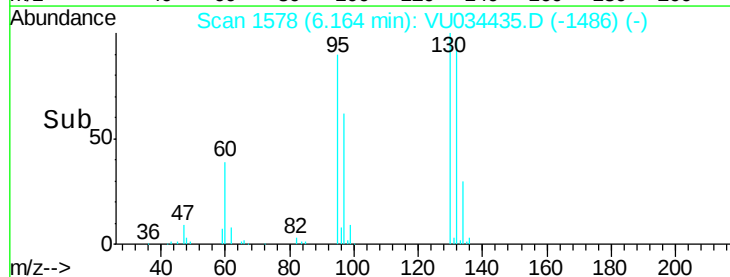
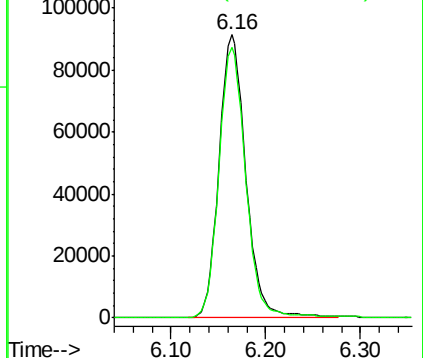


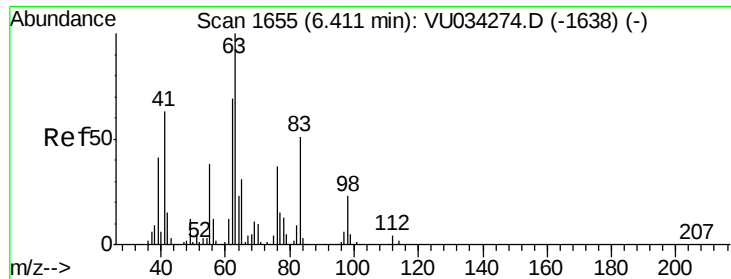
#44
Trichloroethene
Concen: 52.443 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034435.D (-1486) (-)
Ion 94.90 (94.60 to 95.60): VU034435.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 53.816 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 195978

Ion Ratio Lower Upper

63 100

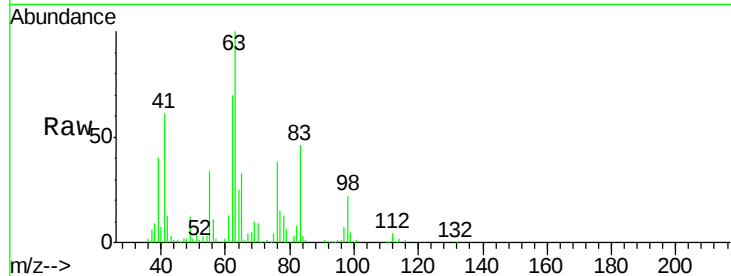
65 32.9 24.6 37.0

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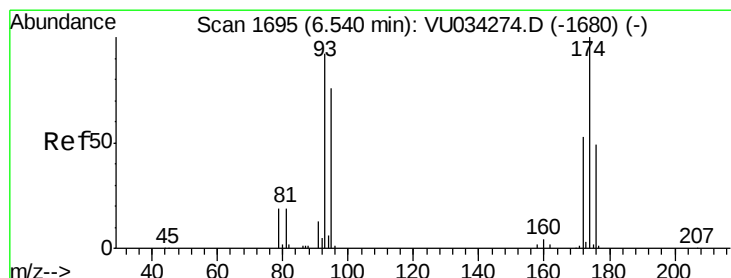
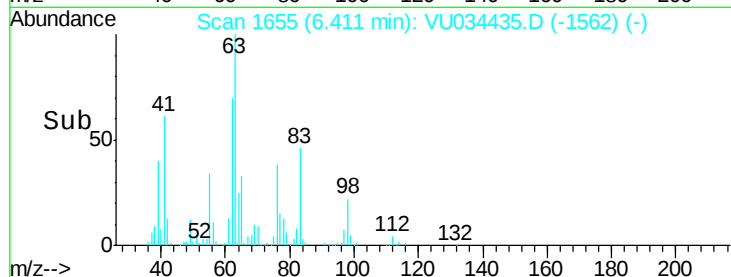
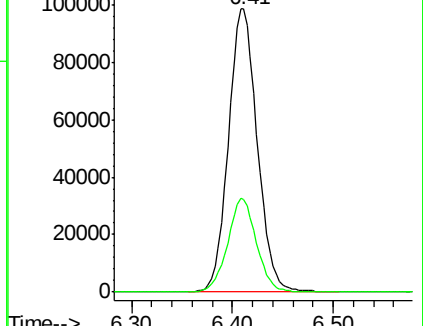
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 53.807 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

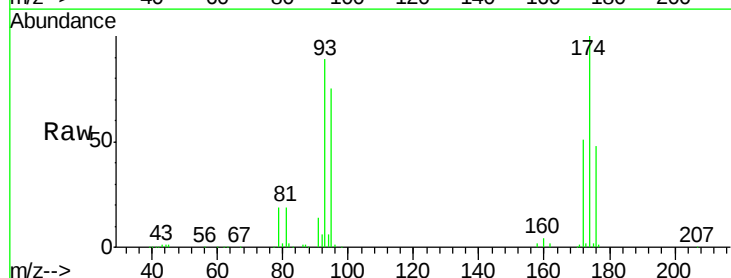
Tgt Ion: 93 Resp: 122995

Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

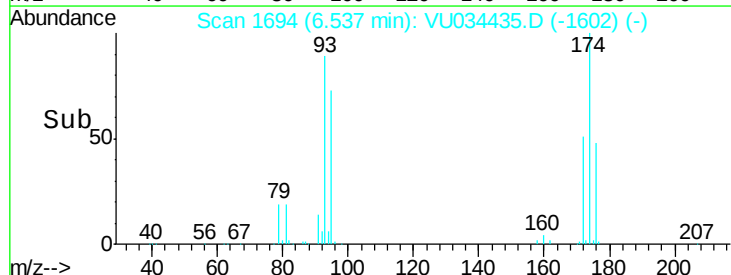
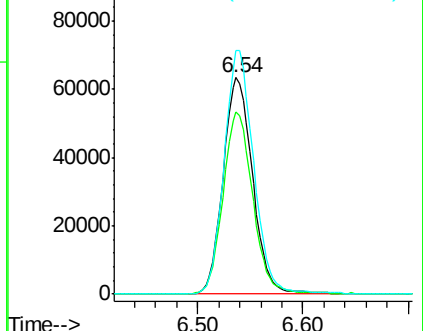
174 112.1 87.8 131.6

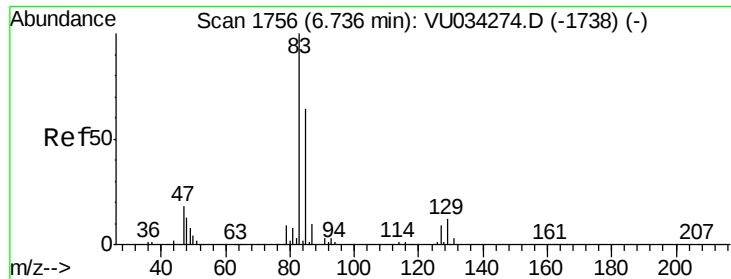


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





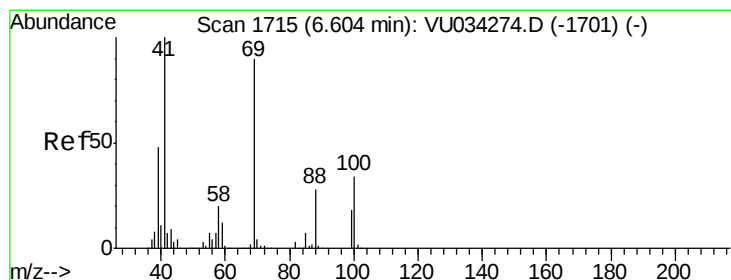
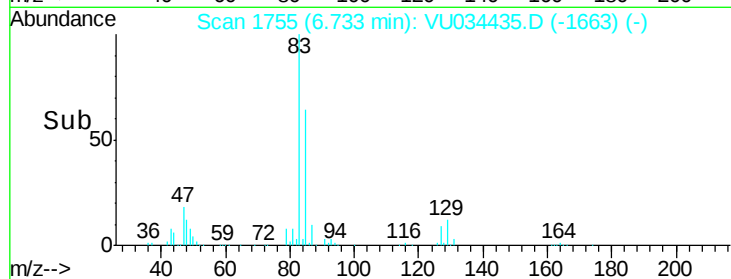
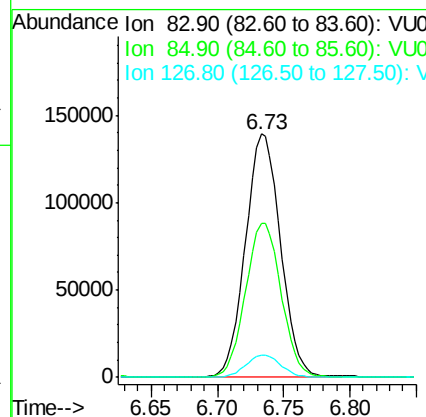
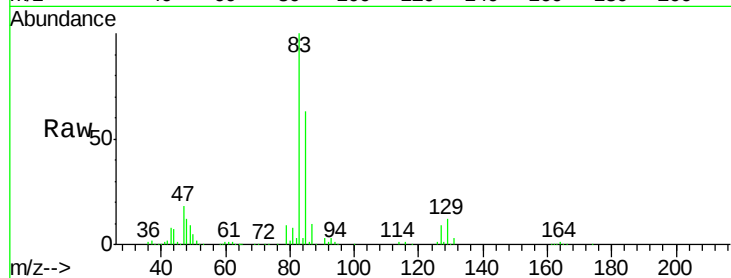
#47
Bromodichloromethane
Concen: 54.570 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.4	51.1	76.7	
127	9.1	7.2	10.8	

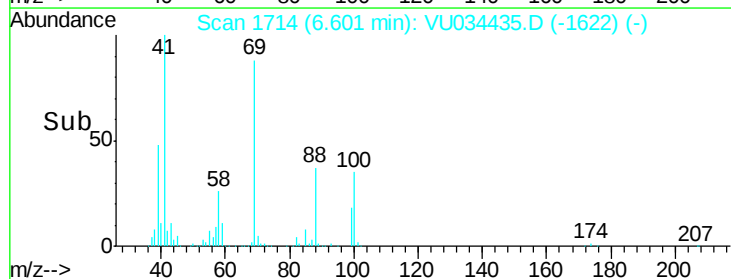
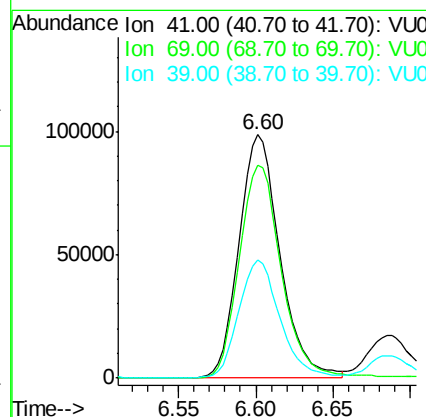
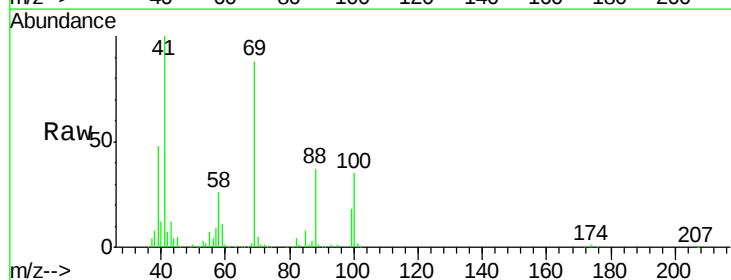
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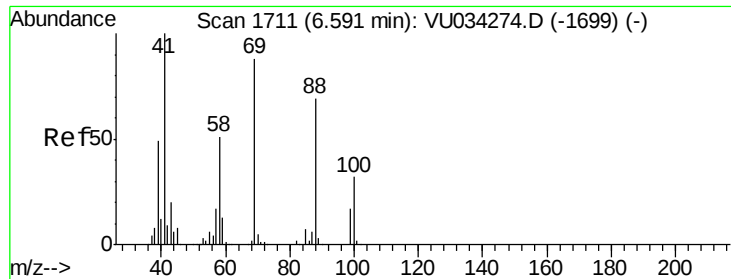
MMDadoda
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#48
Methyl methacrylate
Concen: 53.289 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.8	72.8	109.2	
39	48.8	38.6	58.0	





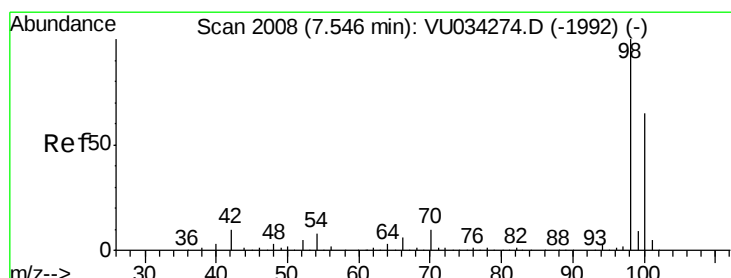
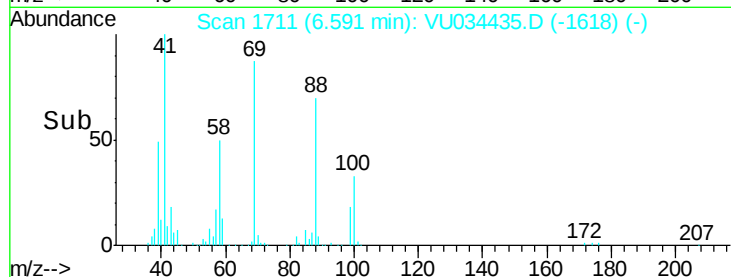
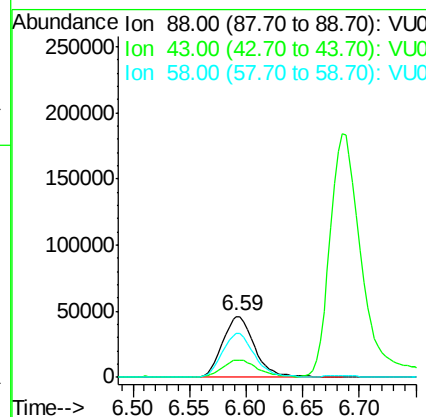
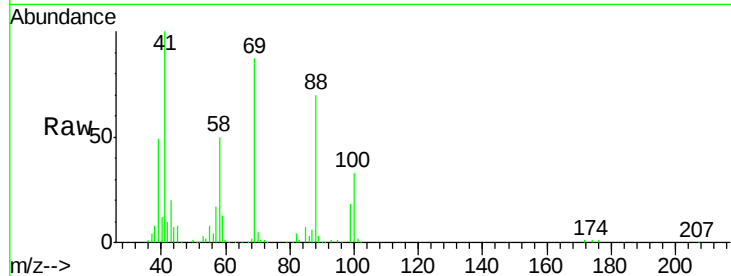
#49
 1,4-Dioxane
 Concen: 1207.782 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.8	35.6
58	73.6	58.4	87.6

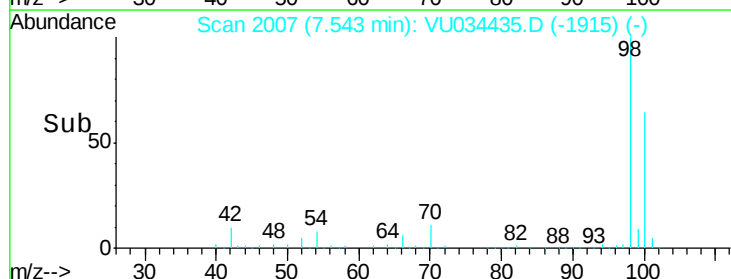
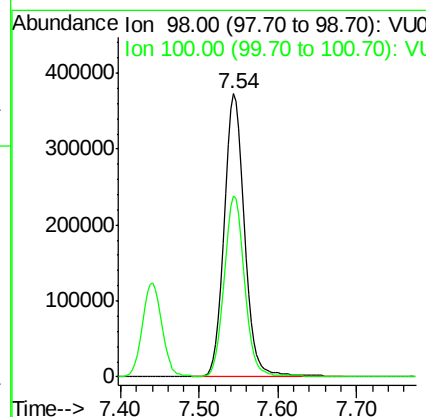
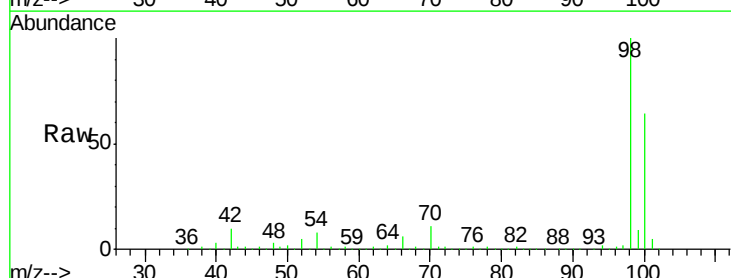
Manual Integrations
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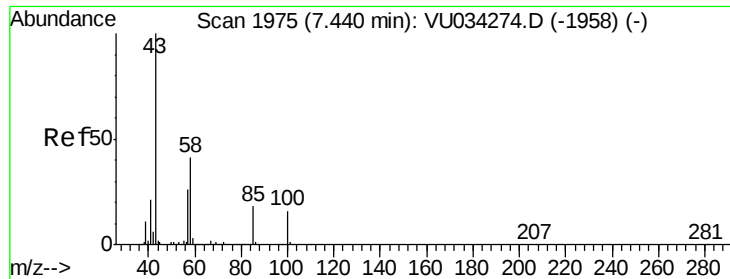
MMDadoda
 9/11/2019 1:42:45 PM



#50
 Toluene-d8
 Concen: 53.504 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 268.179 ug/l

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1321755

Ion Ratio Lower Upper

43 100

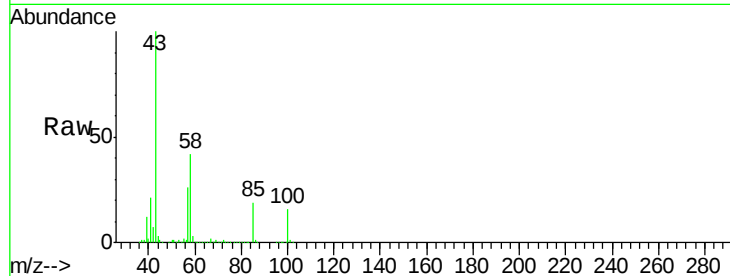
58 41.7 33.0 49.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034435.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034435.D (-1958) (-)

7.44

800000

600000

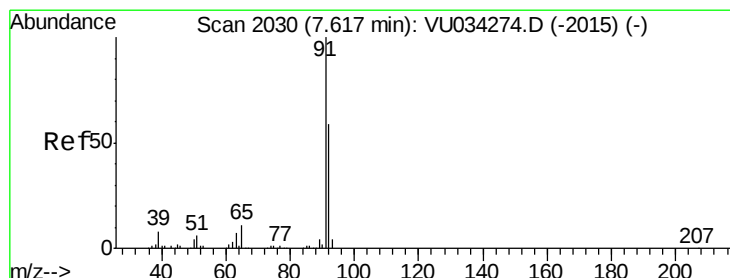
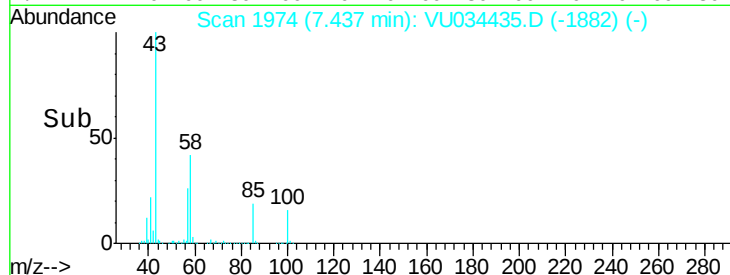
400000

200000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 54.756 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034435.D

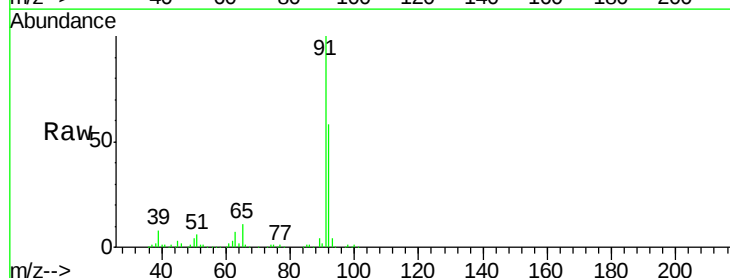
Acq: 10 Sep 2019 08:54

Tgt Ion: 92 Resp: 427875

Ion Ratio Lower Upper

92 100

91 172.7 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034435.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034435.D (-2015) (-)

7.61

400000

300000

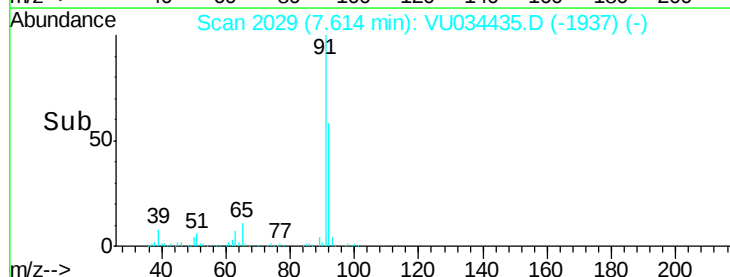
200000

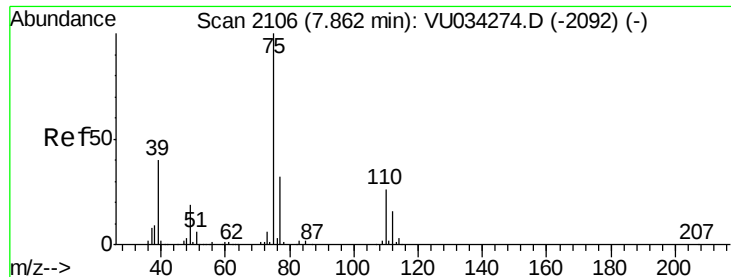
100000

0

7.55 7.60 7.65 7.70

Time-->





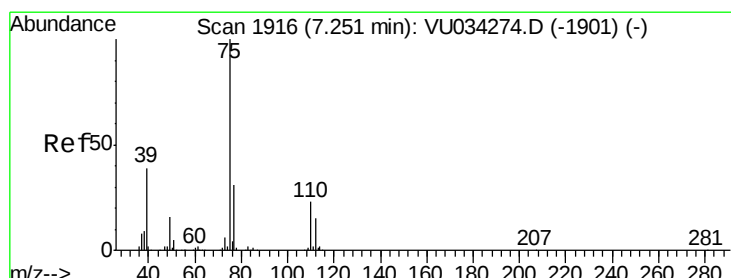
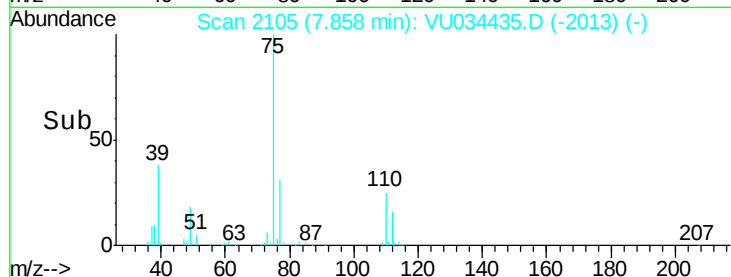
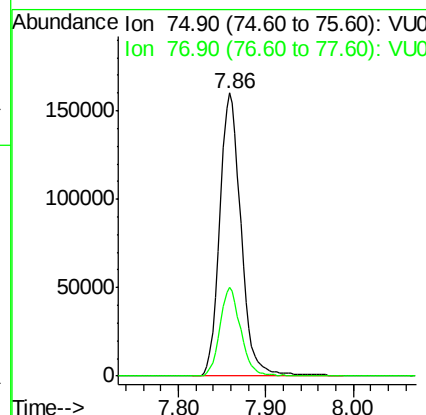
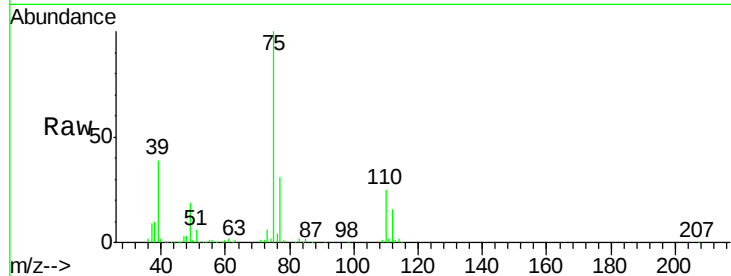
#53
 t-1,3-Dichloropropene
 Concen: 55.618 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5

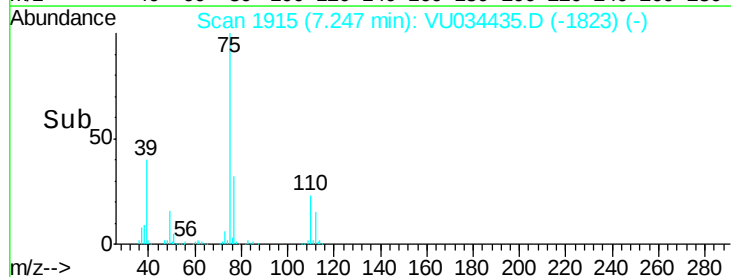
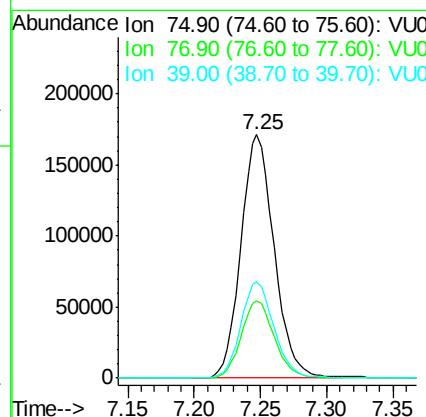
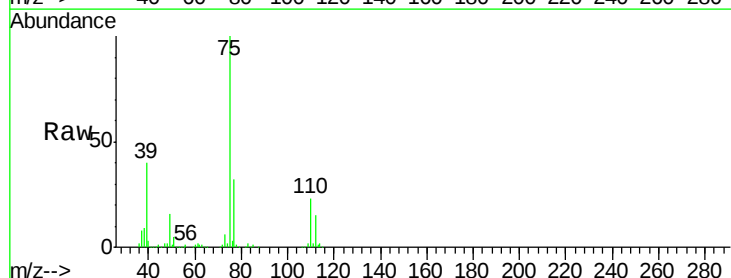
Manual Integrations
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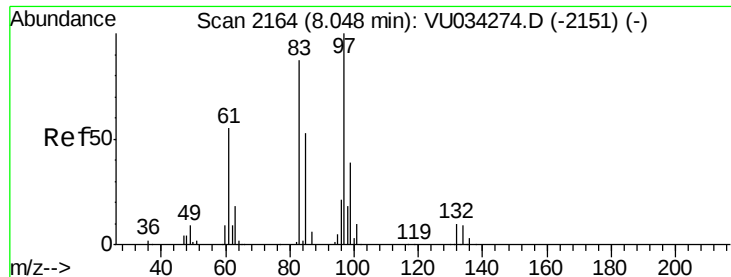
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 55.649 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	39.7	31.2	46.8





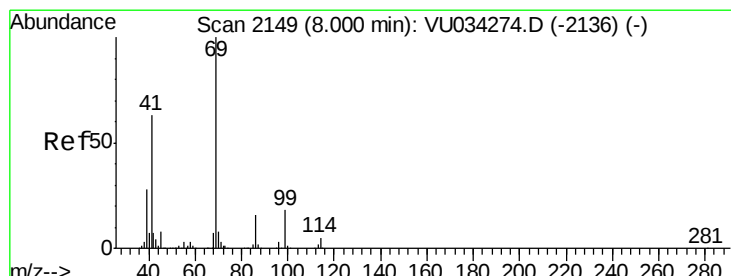
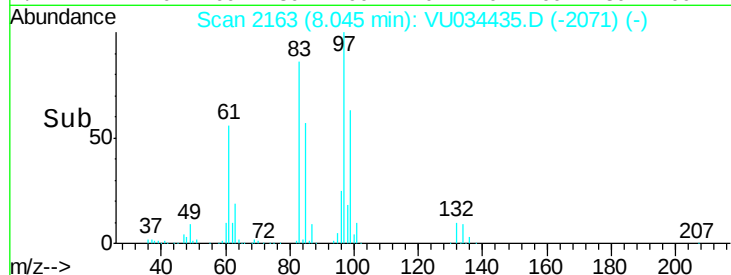
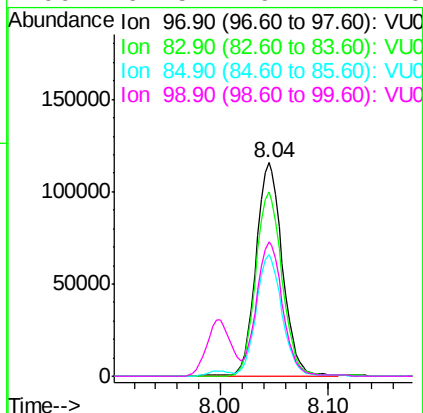
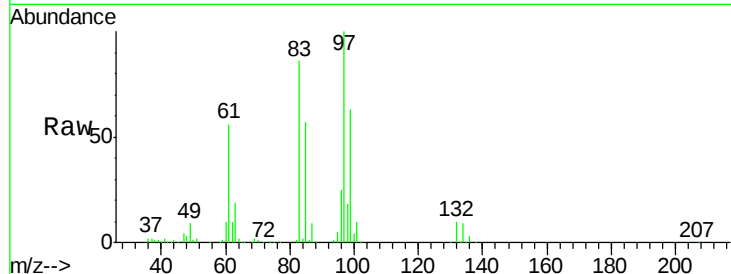
#55
 1,1,2-Trichloroethane
 Concen: 55.562 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	197146
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.0	103.6
85	57.1	44.2	66.2
99	62.5	49.4	74.0

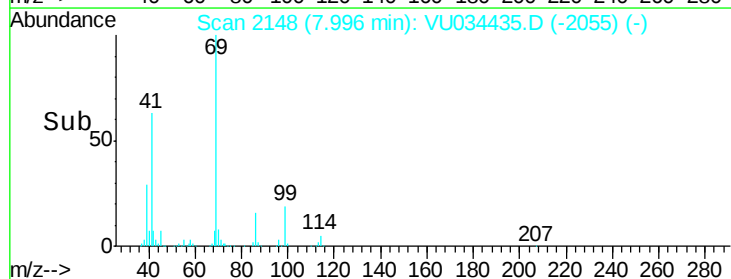
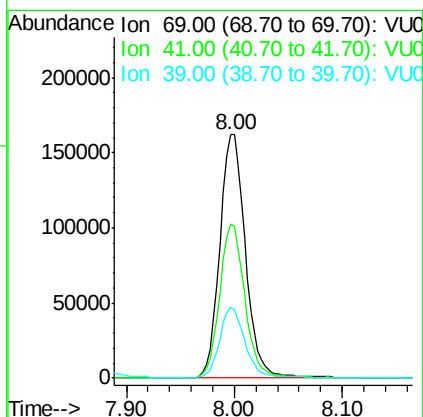
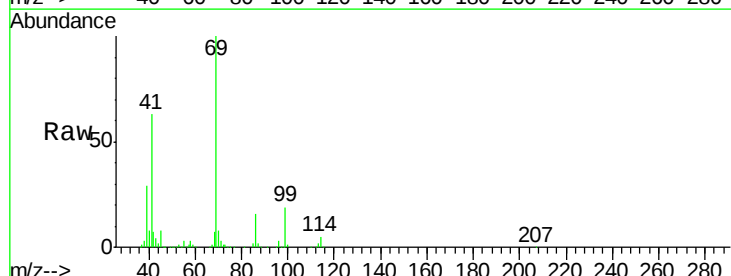
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 49.774 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion:	69	Resp:	268242
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: 54.370 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 314136

Ion Ratio Lower Upper

76 100

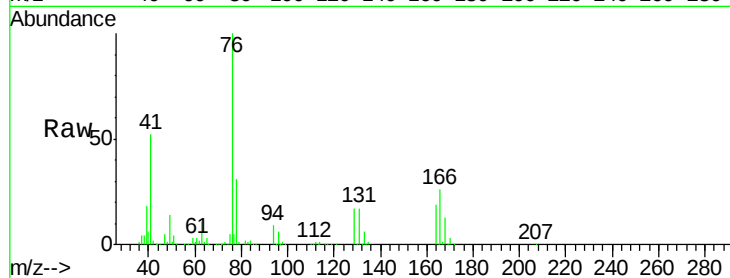
78 31.8 25.4 38.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

200000

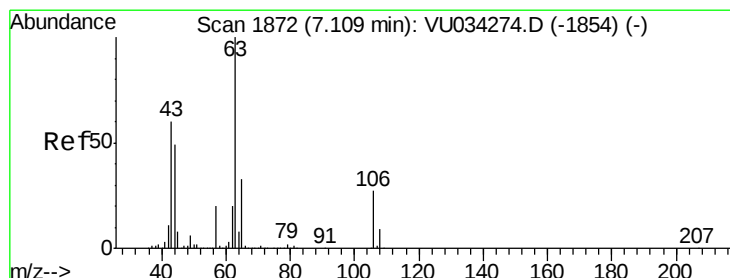
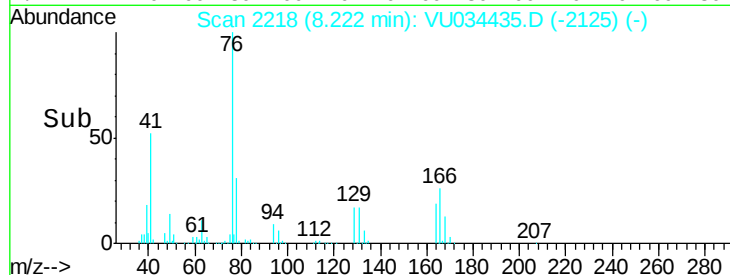
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.800 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034435.D

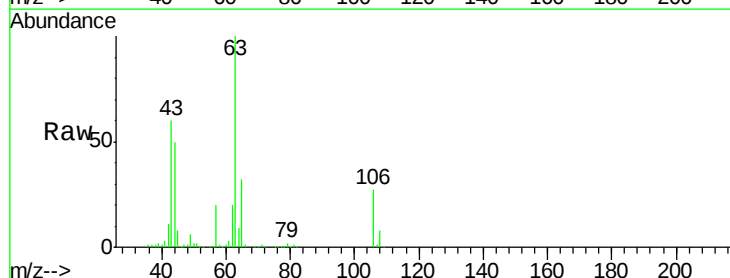
Acq: 10 Sep 2019 08:54

Tgt Ion: 63 Resp: 451654

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

300000

250000

200000

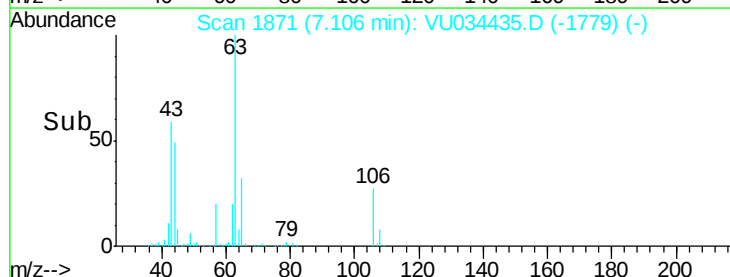
150000

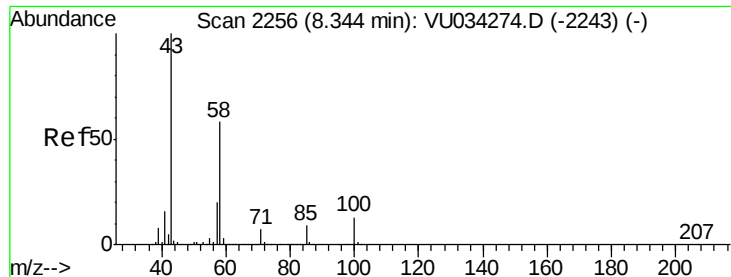
100000

50000

0

Time-->





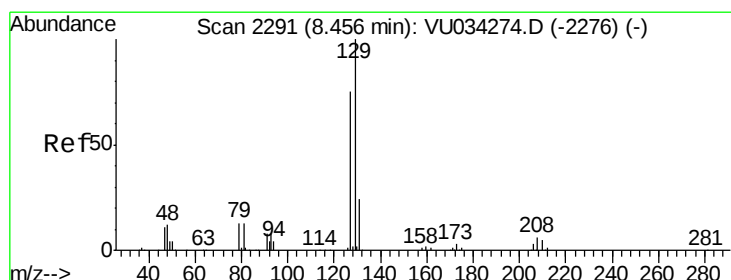
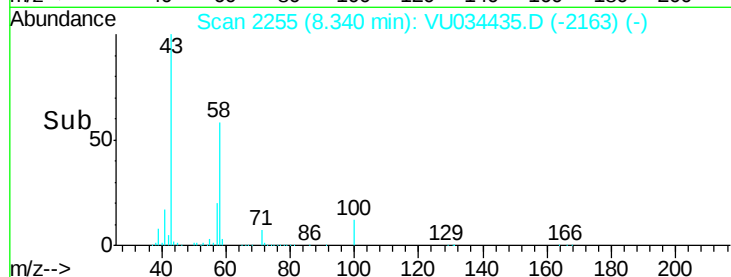
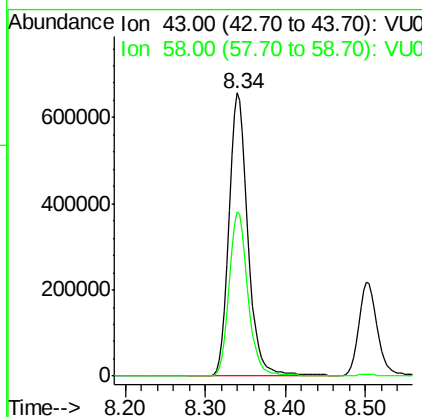
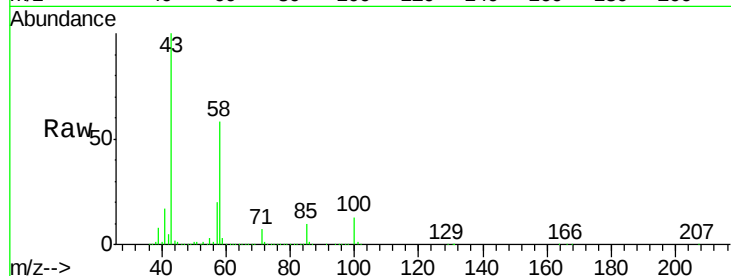
#59
2-Hexanone
Concen: 290.236 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1068632
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.5

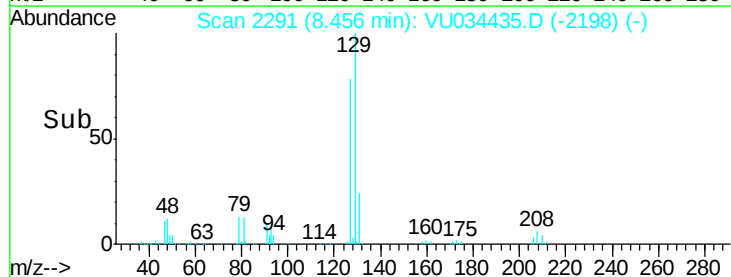
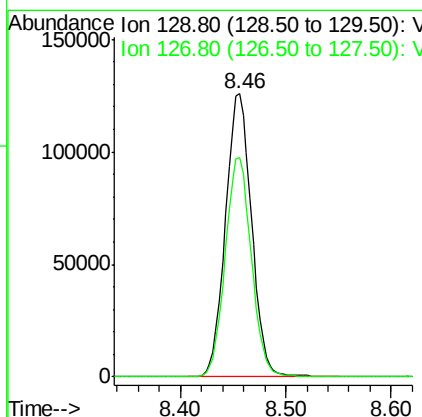
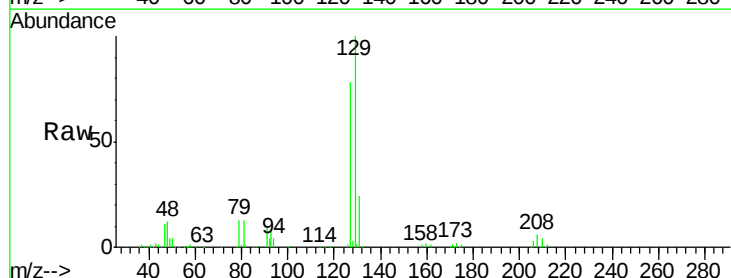
Manual Integrations
APPROVED

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9/11/2019 1:42:45 PM



#60
Dibromochloromethane
Concen: 56.674 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion: 129 Resp: 215692
Ion Ratio Lower Upper
129 100
127 77.8 37.9 113.7





#61

1,2-Dibromoethane

Concen: 55.206 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 191723

Ion Ratio Lower Upper

107 100

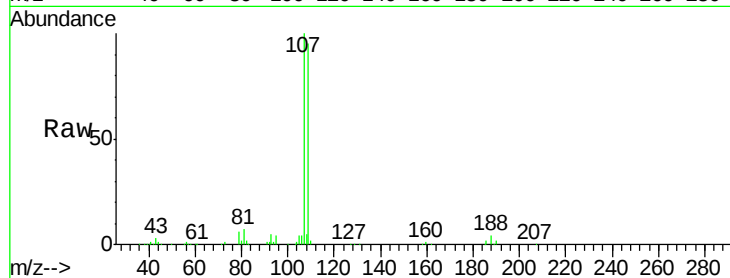
109 94.7 75.0 112.6

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

120000

100000

80000

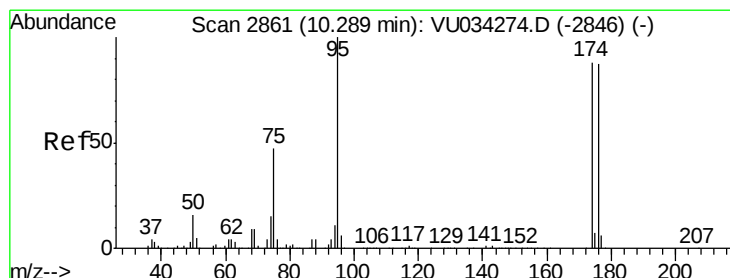
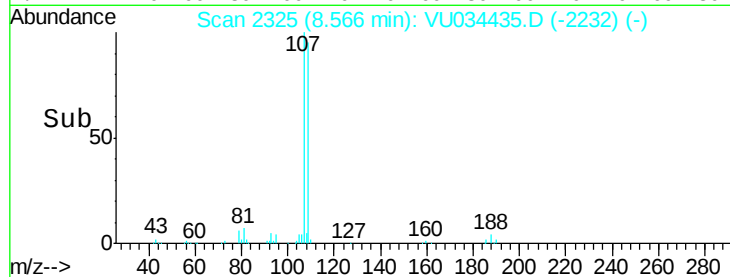
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.976 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

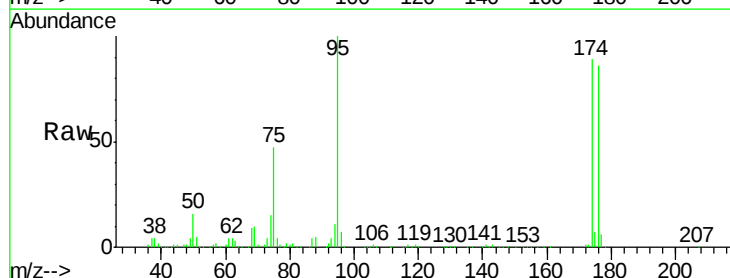
Tgt Ion: 95 Resp: 254530

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.2

176 85.0 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

10.29

200000

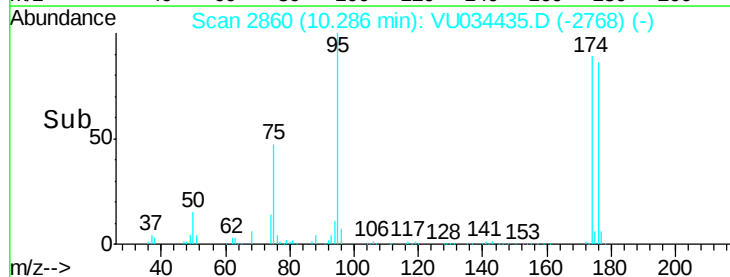
150000

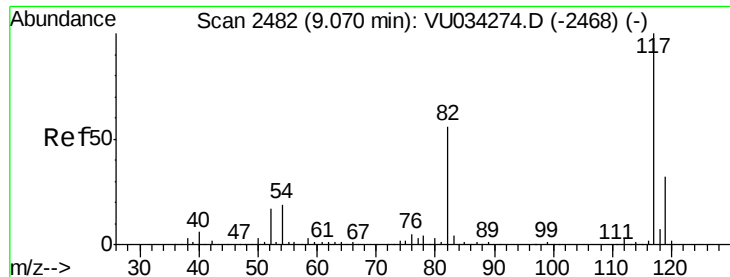
100000

50000

0

Time-->





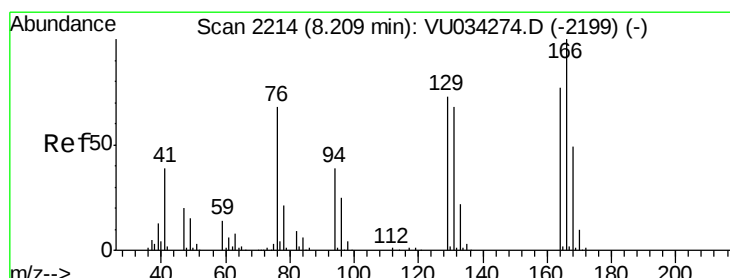
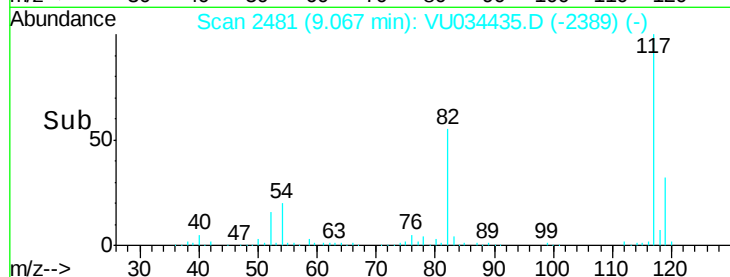
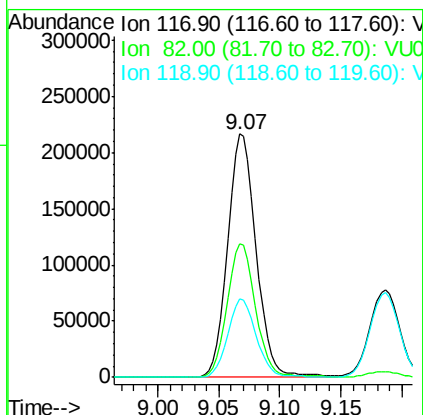
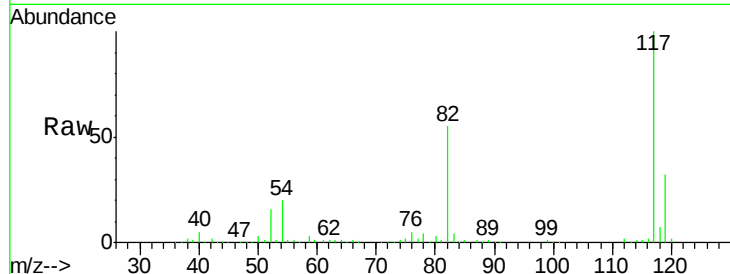
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	355575		
82	55.1	44.6	67.0	
119	32.0	25.9	38.9	

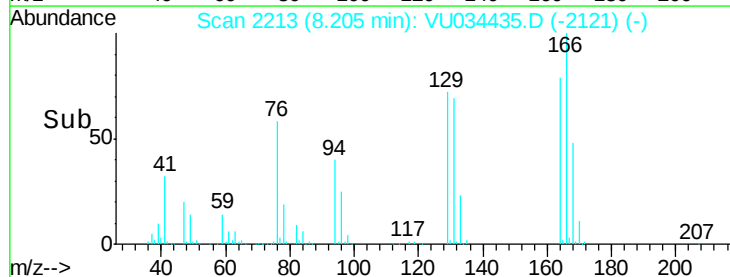
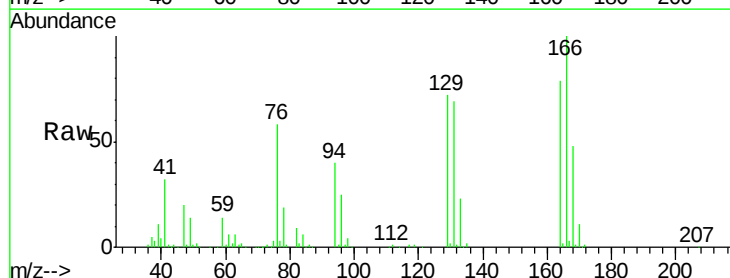
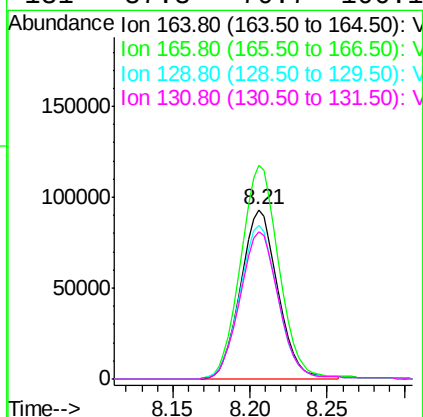
Manual Integrations
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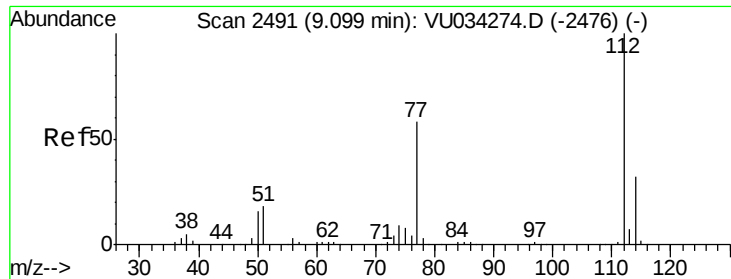
MMDadoda
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#64
Tetrachloroethene
Concen: 50.783 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156655		
166	126.4	103.7	155.5	
129	91.3	75.8	113.8	
131	87.3	70.7	106.1	





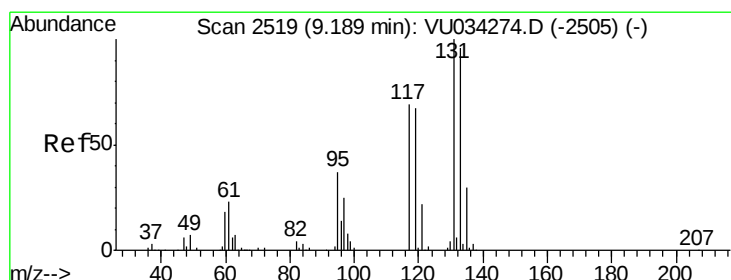
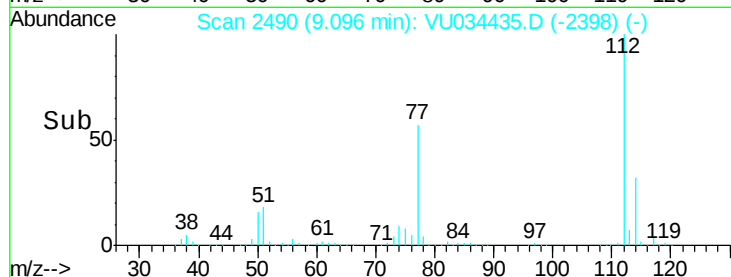
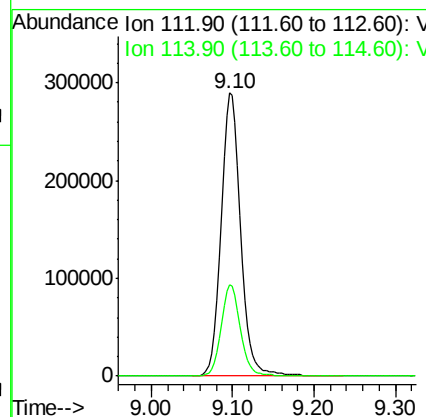
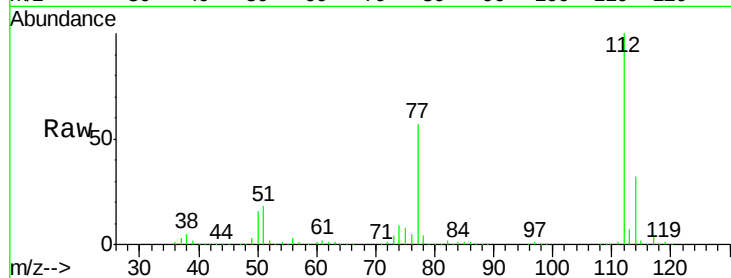
#65
Chlorobenzene
Concen: 54.515 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 491785
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

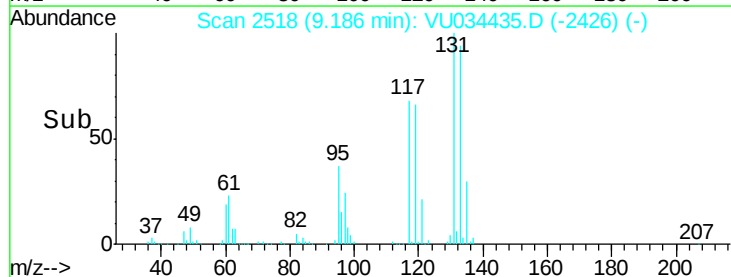
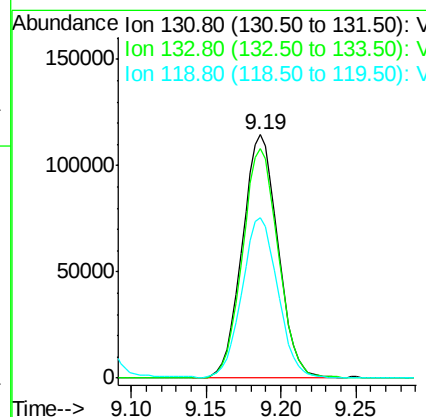
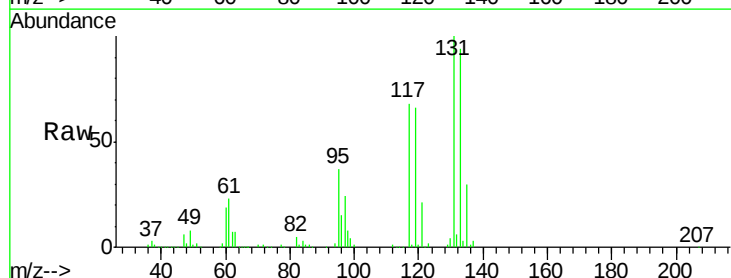
Manual Integrations
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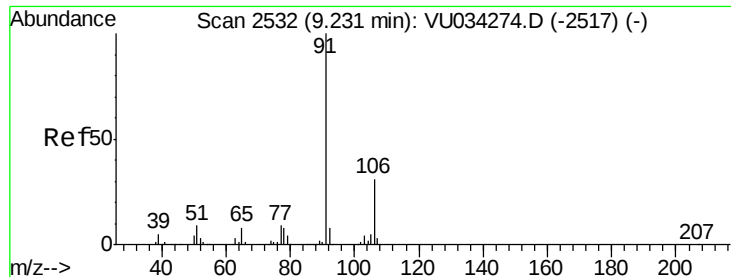
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.390 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion:131 Resp: 190693
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 65.7 33.1 99.5





#67

Ethyl Benzene

Concen: 55.463 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 818084

Ion Ratio Lower Upper

91 100

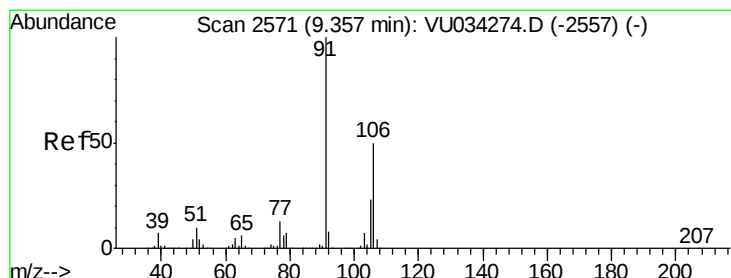
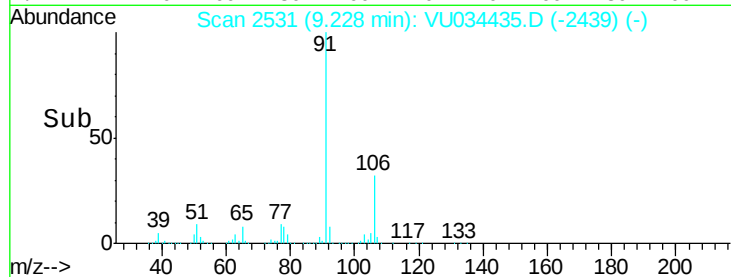
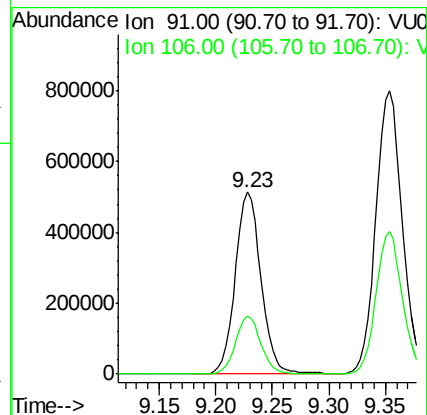
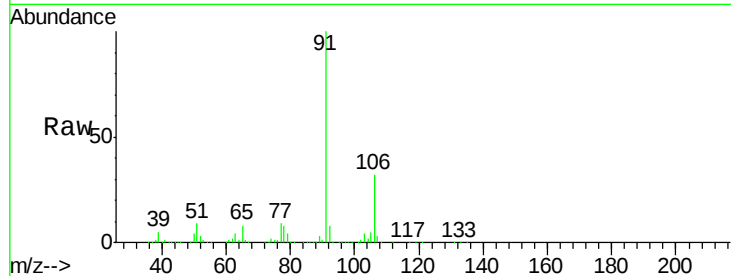
106 31.7 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 118.445 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034435.D

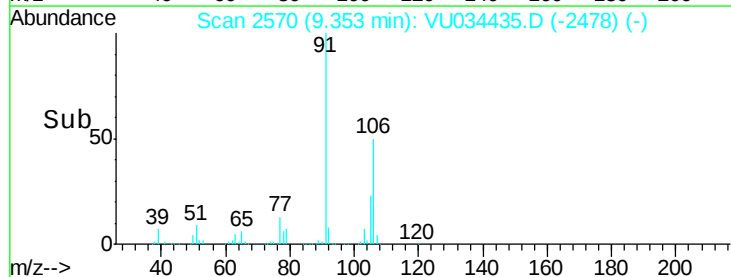
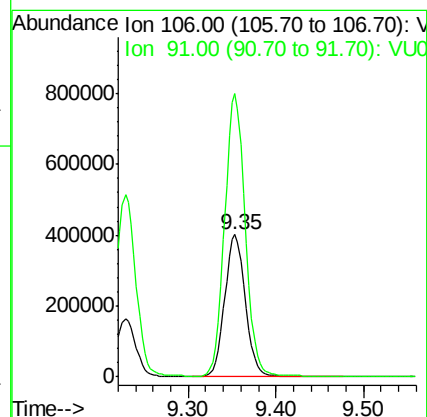
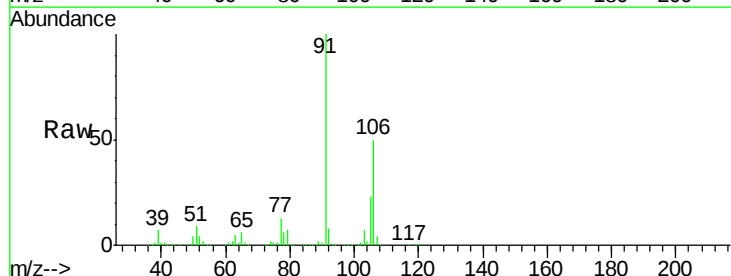
Acq: 10 Sep 2019 08:54

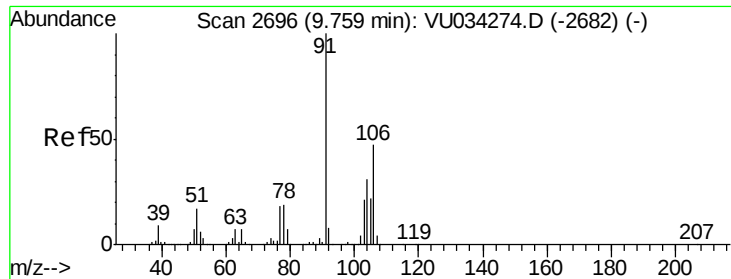
Tgt Ion: 106 Resp: 657879

Ion Ratio Lower Upper

106 100

91 198.8 160.1 240.1





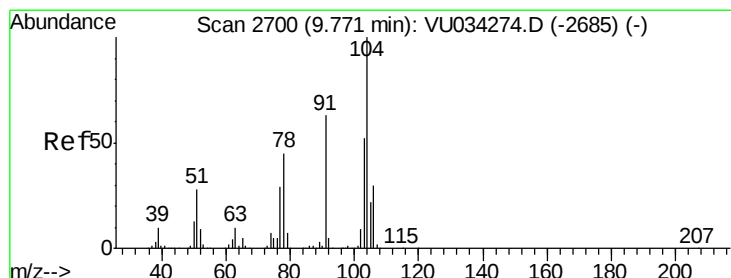
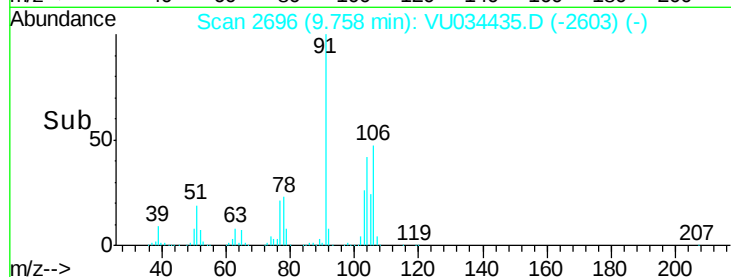
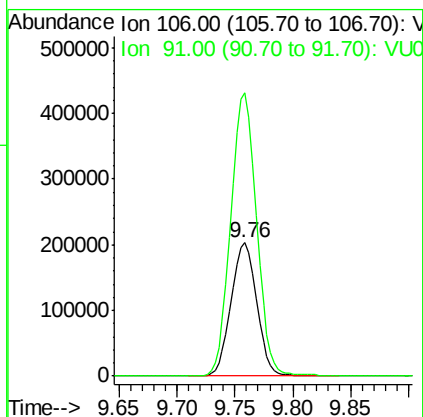
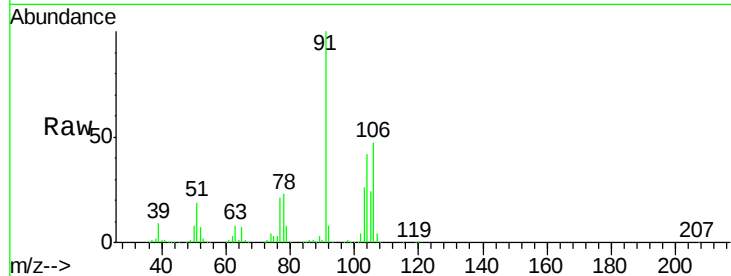
#69
o-Xylene
Concen: 57.321 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	105.1	315.3

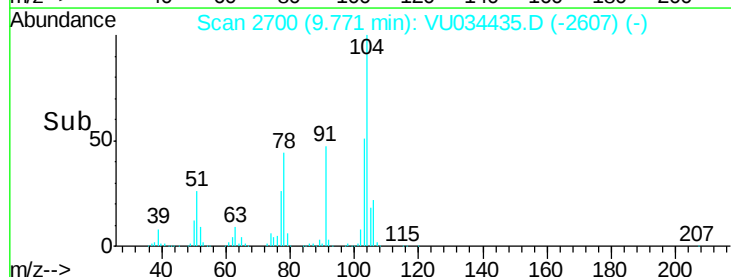
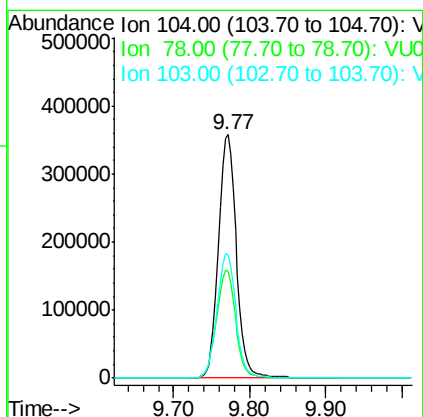
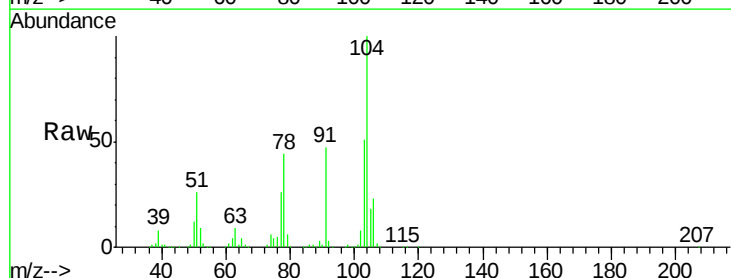
Manual Integrations
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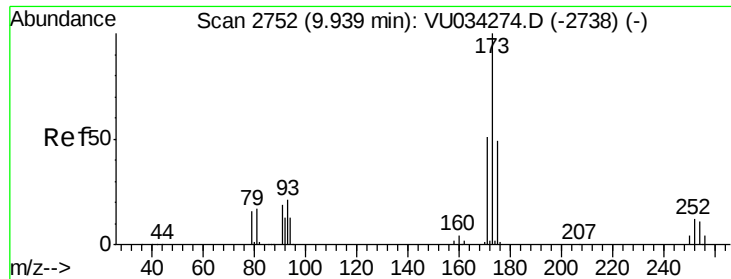
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#70
Styrene
Concen: 61.251 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.6	57.8
103	54.1	44.2	66.4





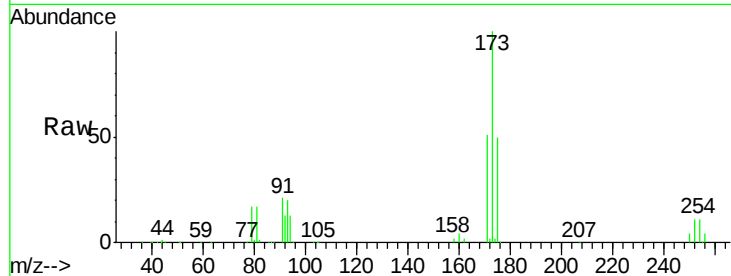
#71
Bromoform
Concen: 57.198 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

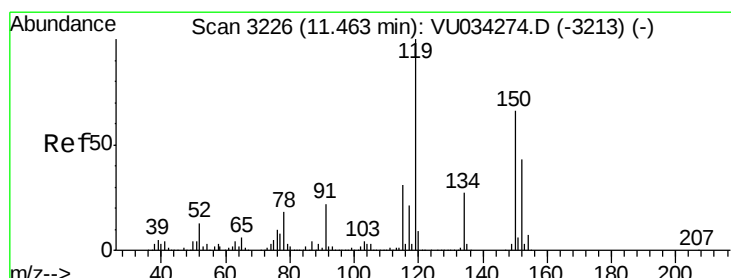
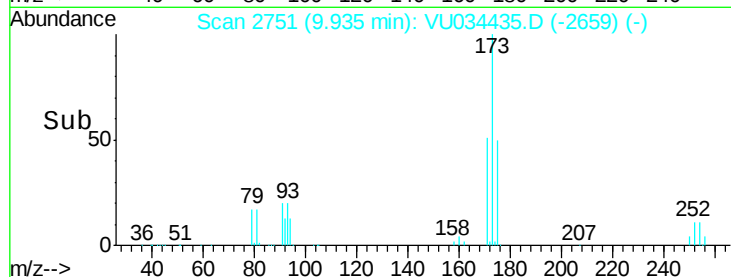
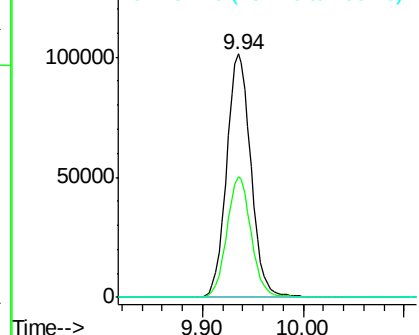
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.2
254	0.2	0.0	0.0#

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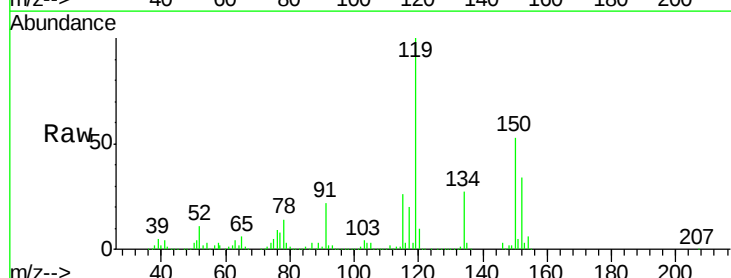


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

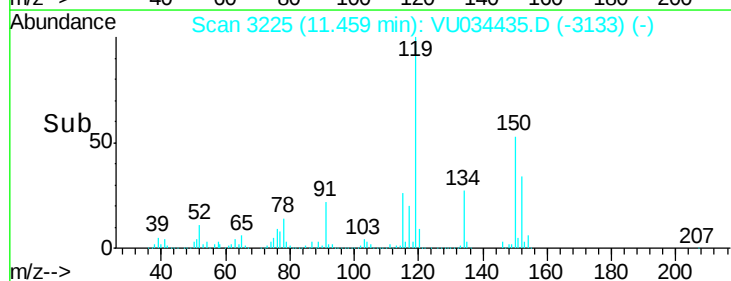
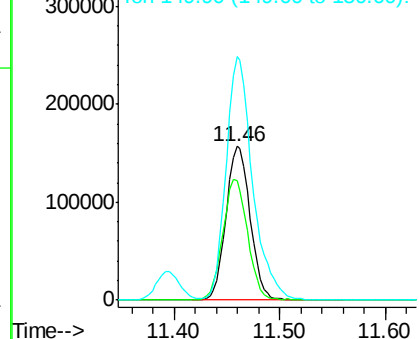


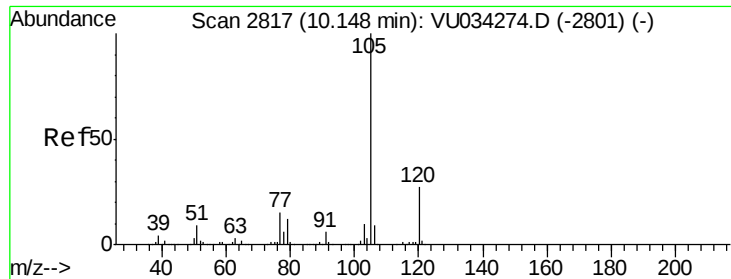
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	39.1	117.3
150	174.2	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: 53.975 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 872437

Ion Ratio Lower Upper

105 100

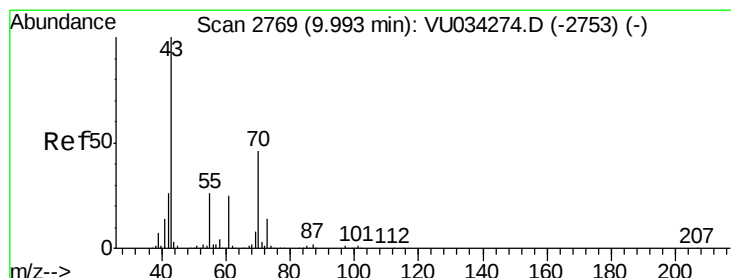
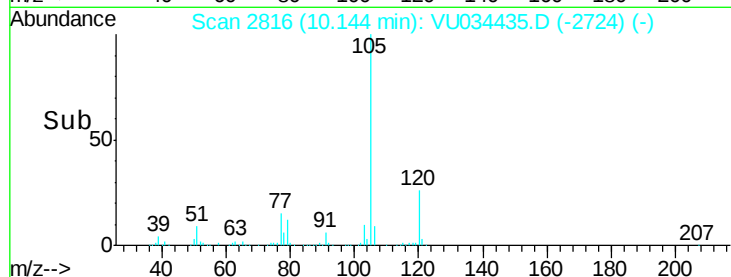
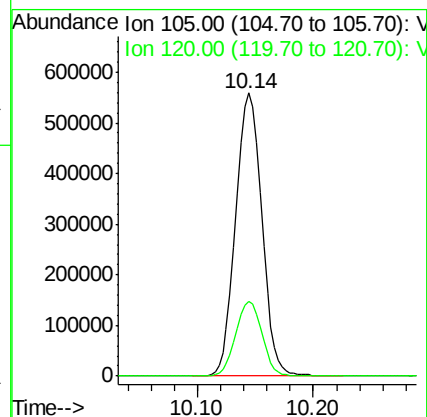
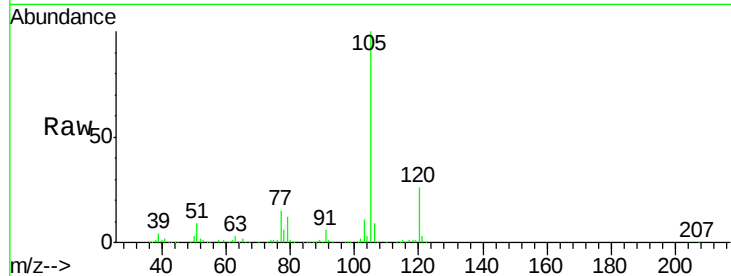
120 26.5 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.478 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion: 43 Resp: 354452

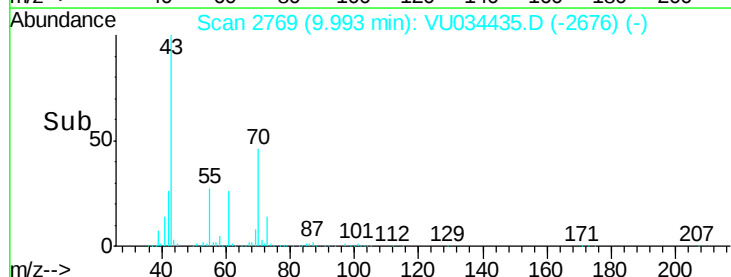
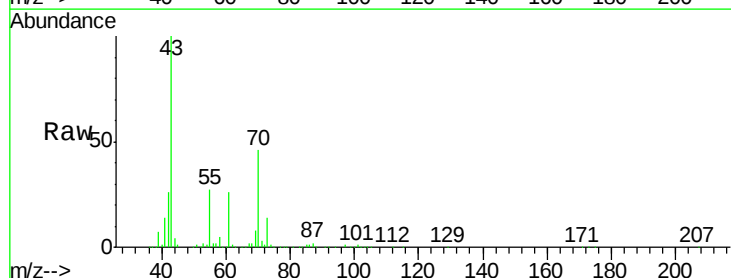
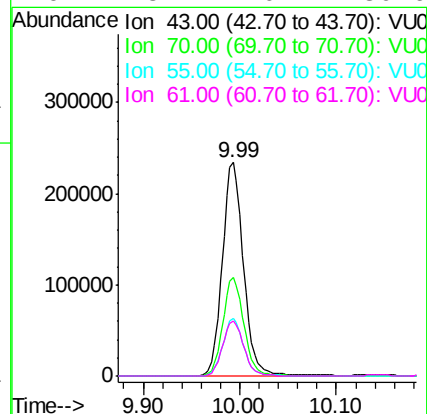
Ion Ratio Lower Upper

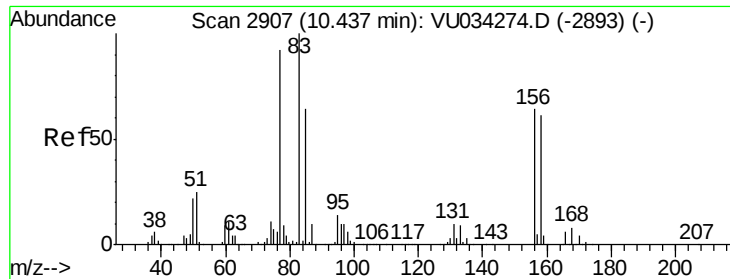
43 100

70 45.9 36.4 54.6

55 26.8 21.2 31.8

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.931 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

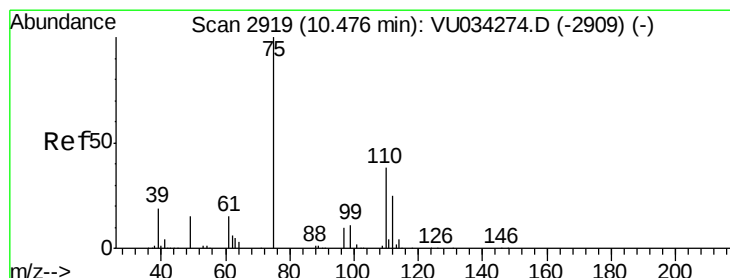
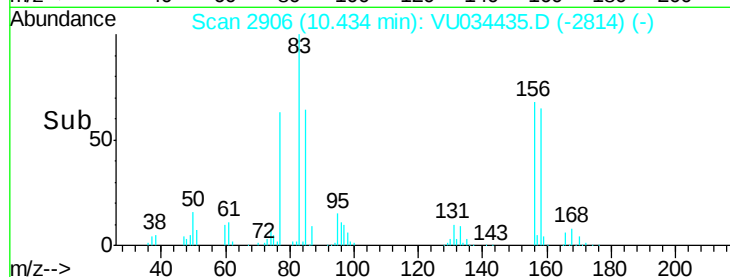
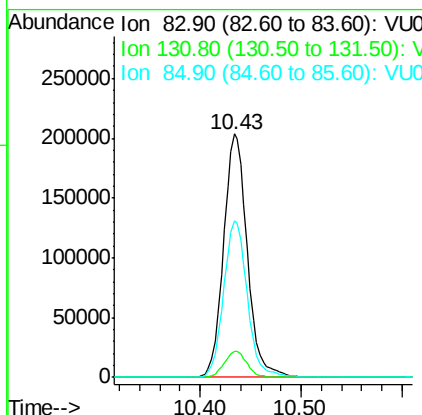
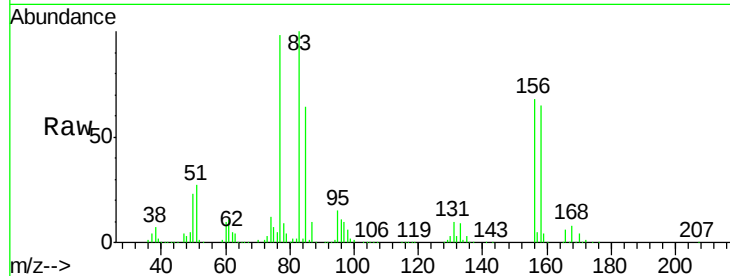
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	333227
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	64.6	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.226 ug/l m

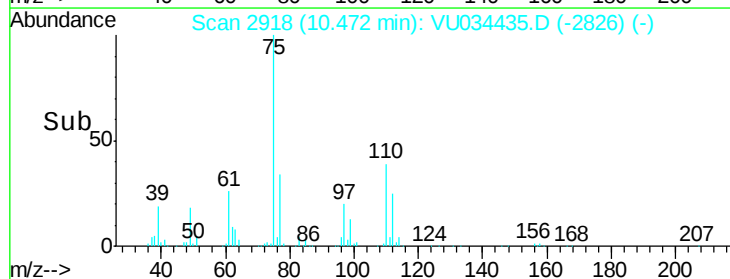
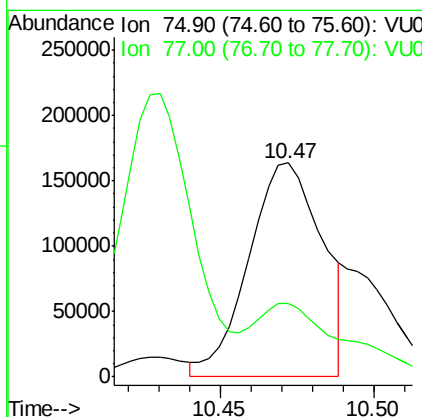
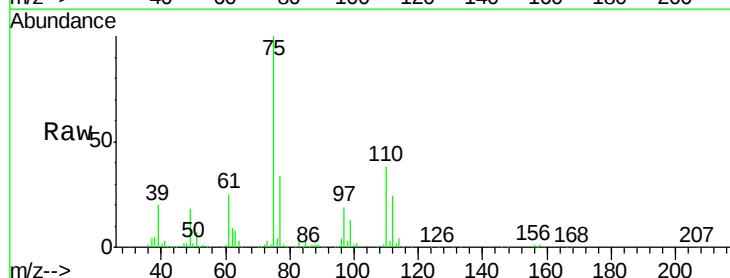
RT: 10.47 min Scan# 2918

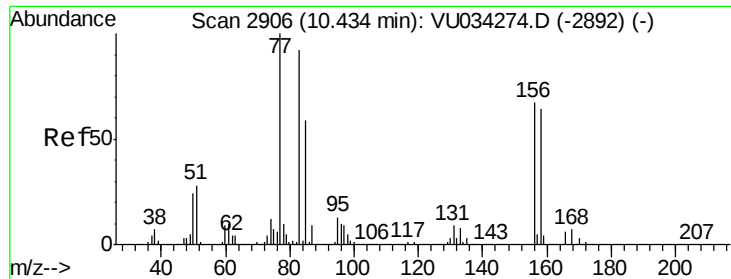
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	75	Resp:	272304
Ion Ratio	Lower	Upper	
75	100		
77	42.5	20.8	62.2





#77

Bromobenzene

Concen: 52.508 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

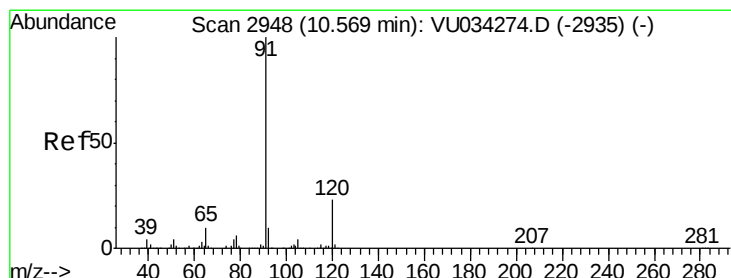
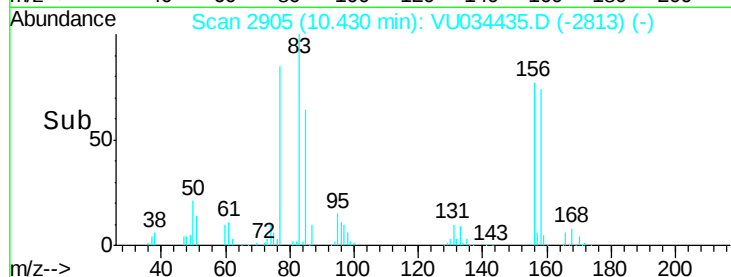
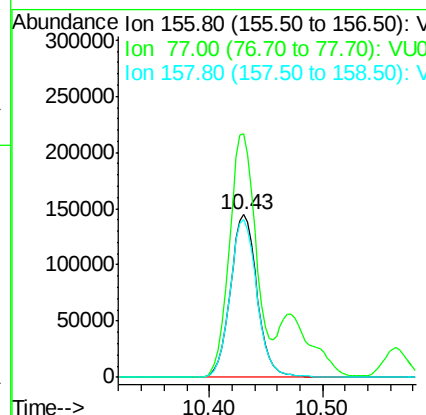
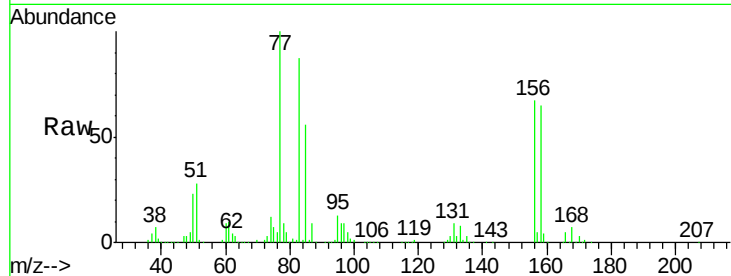
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		237315		
77	149.9	75.6	226.9		
158	97.8	48.2	144.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 55.210 ug/l

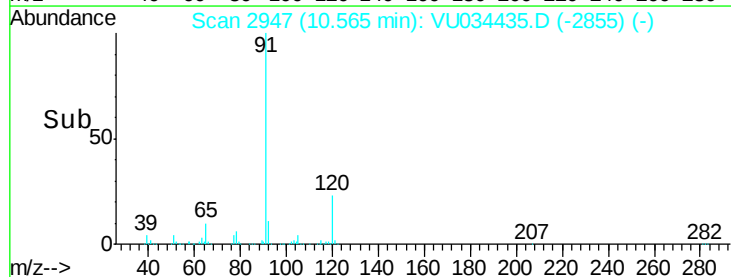
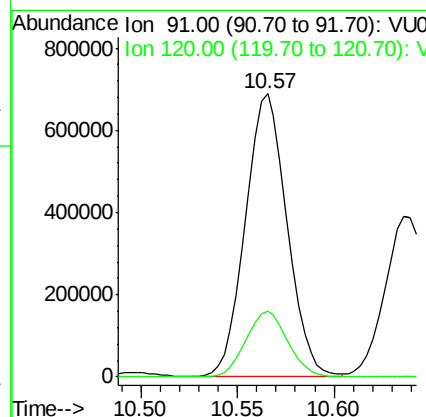
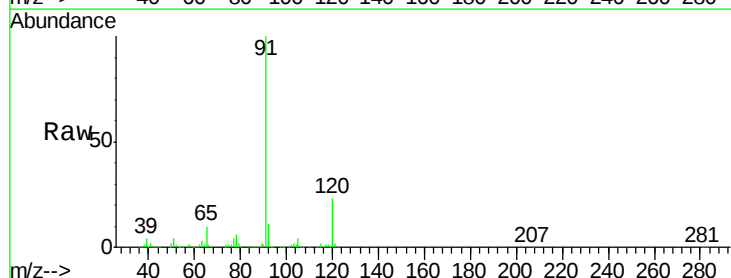
RT: 10.57 min Scan# 2947

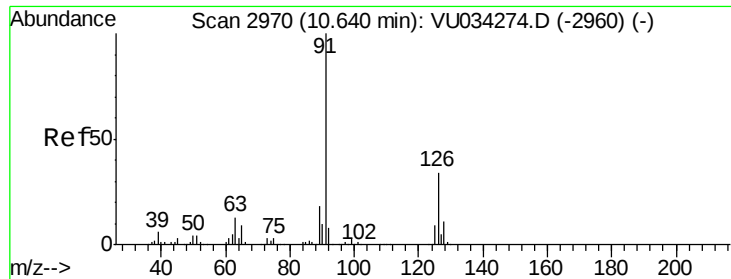
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1030632		
120	23.4	11.7	35.0		





#79

2-Chlorotoluene

Concen: 54.474 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 620466

Ion Ratio Lower Upper

91 100

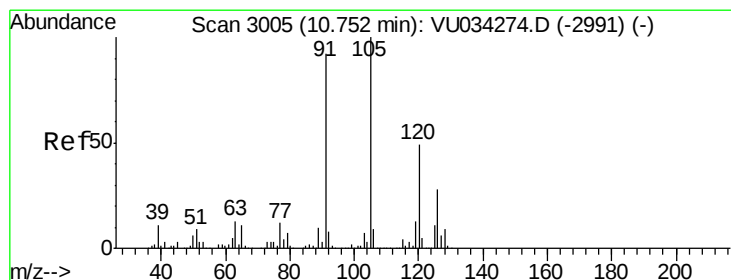
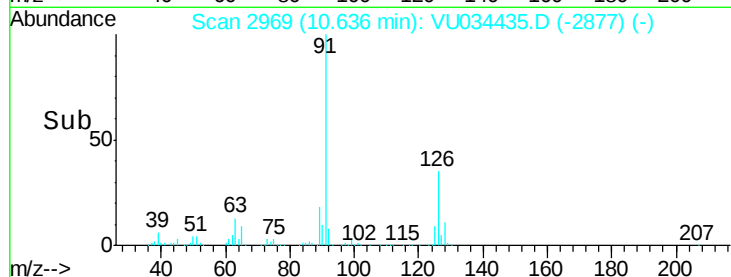
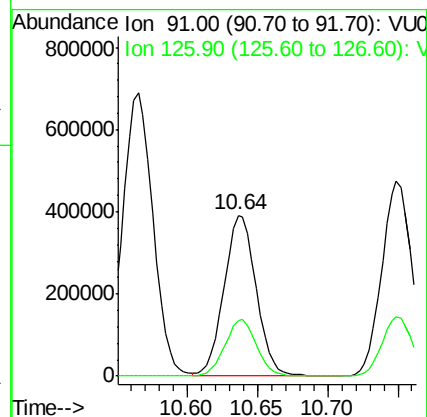
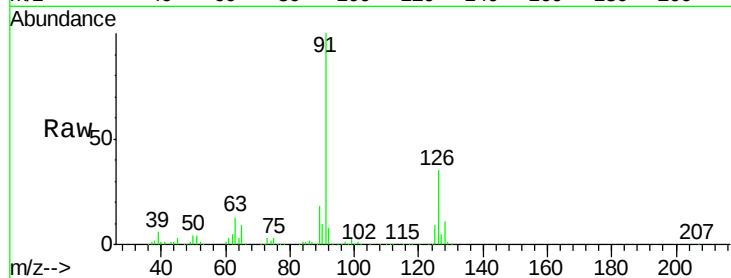
126 34.6 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 58.077 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034435.D

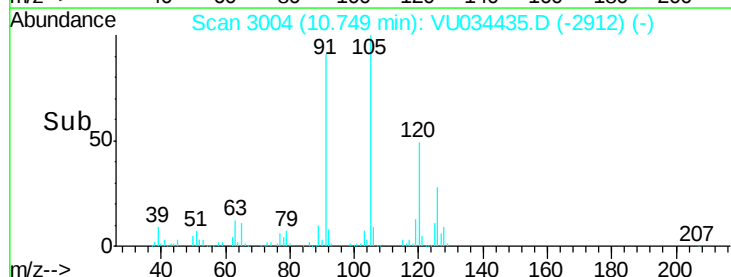
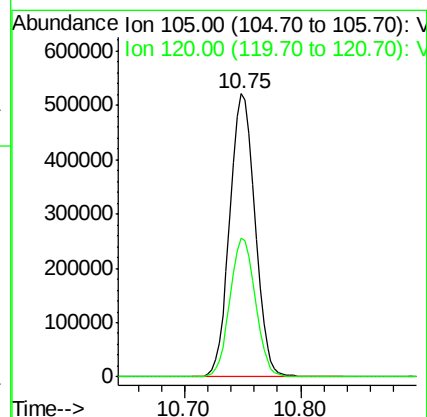
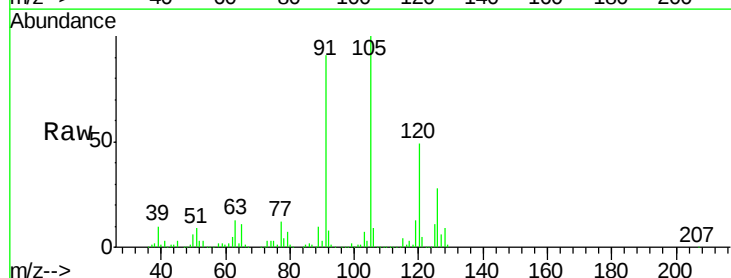
Acq: 10 Sep 2019 08:54

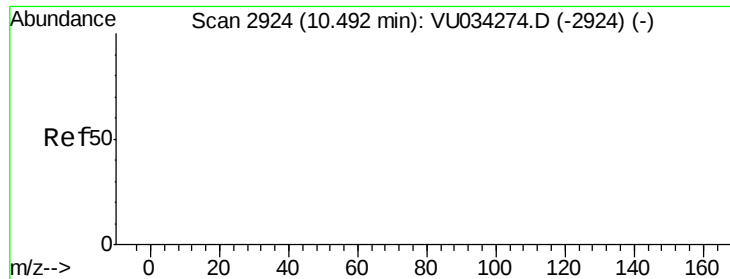
Tgt Ion: 105 Resp: 785111

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 57.886 ug/l m

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034435.D

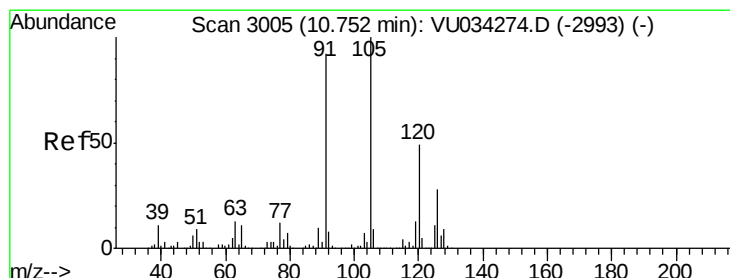
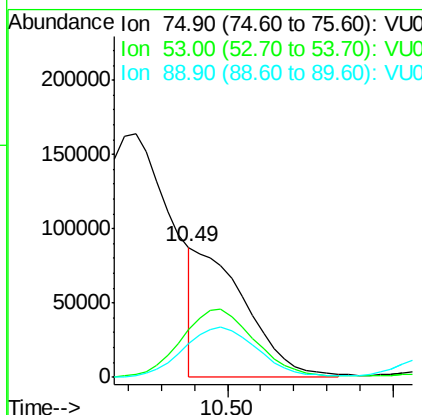
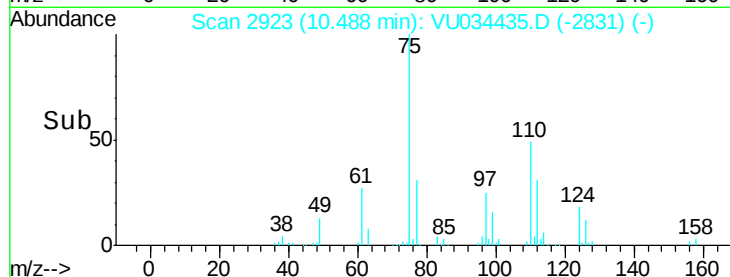
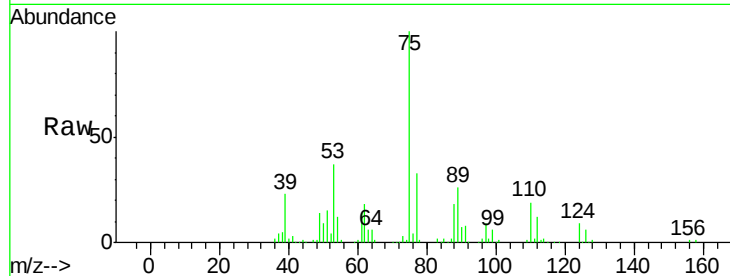
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.312 ug/l

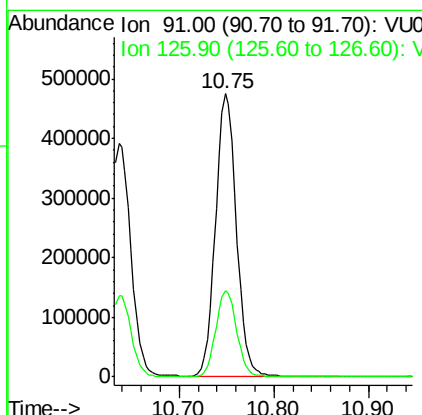
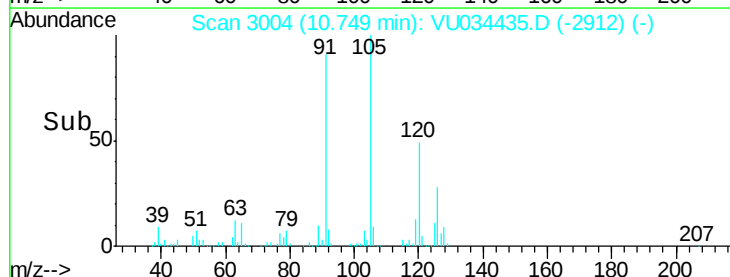
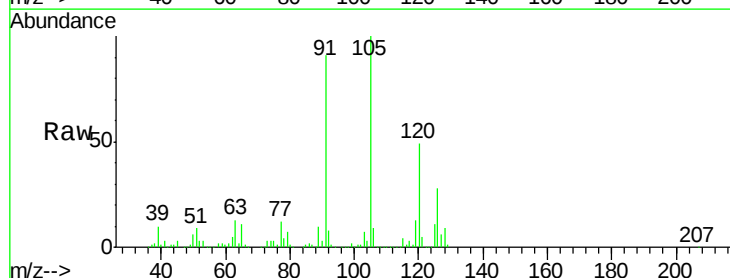
RT: 10.75 min Scan# 3004

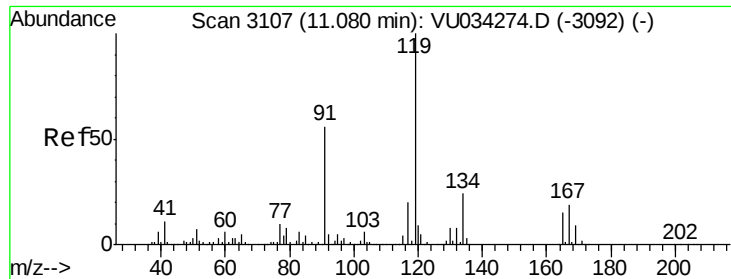
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





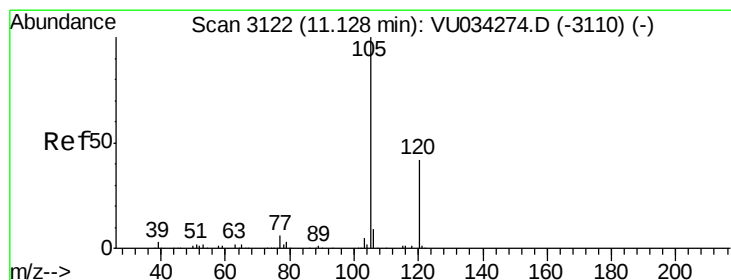
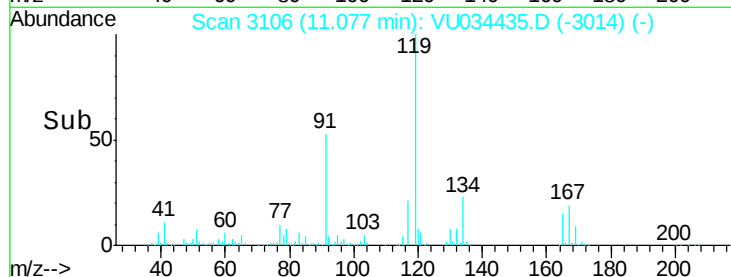
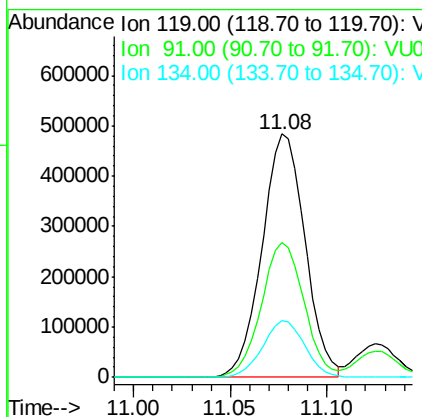
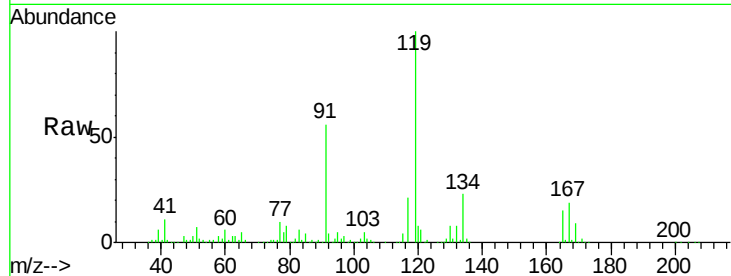
#83
tert-Butylbenzene
Concen: 55.099 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.1	27.8	83.4
134	22.9	11.7	35.0

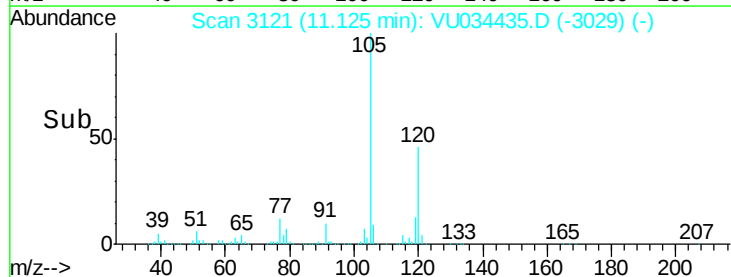
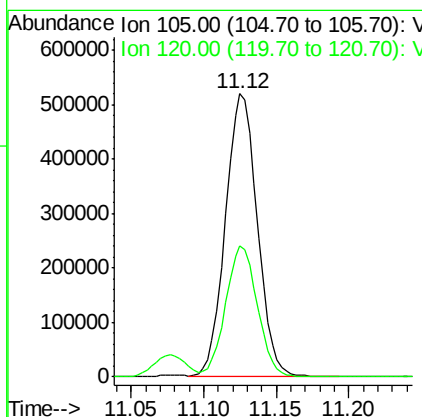
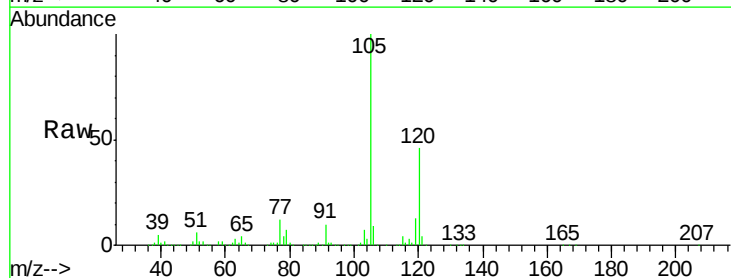
Manual Integrations
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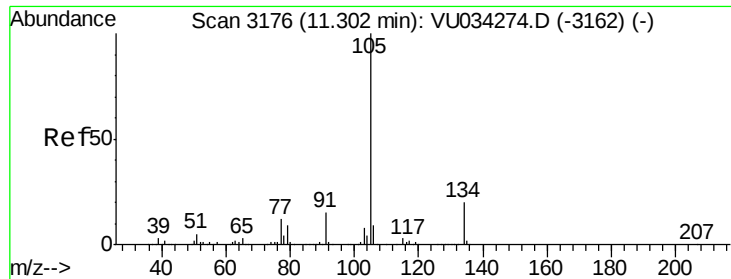
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 57.930 ug/l
RT: 11.12 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





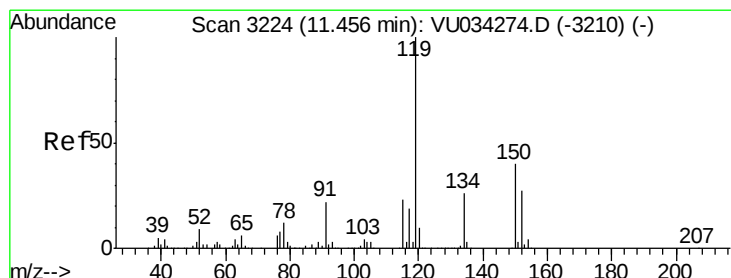
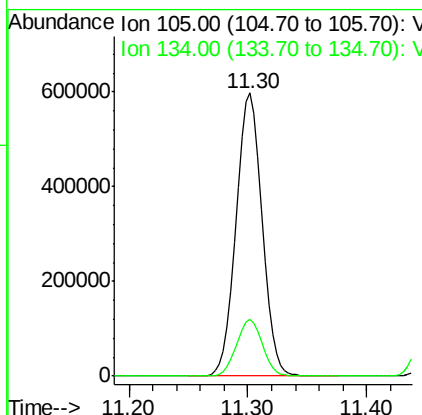
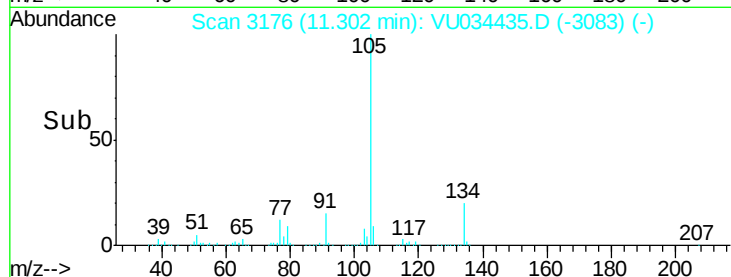
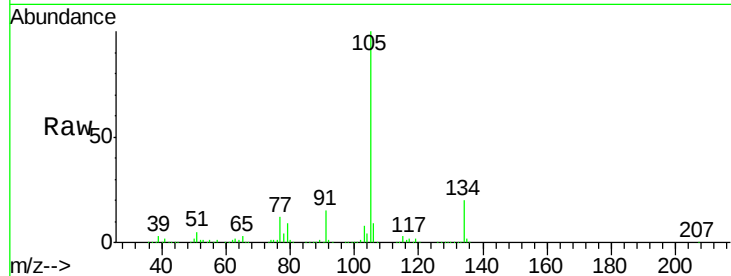
#85
 sec-Butylbenzene
 Concen: 56.611 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.3

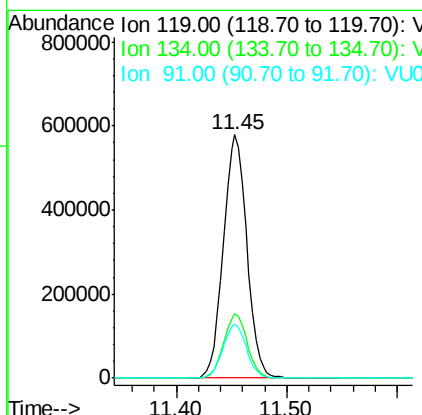
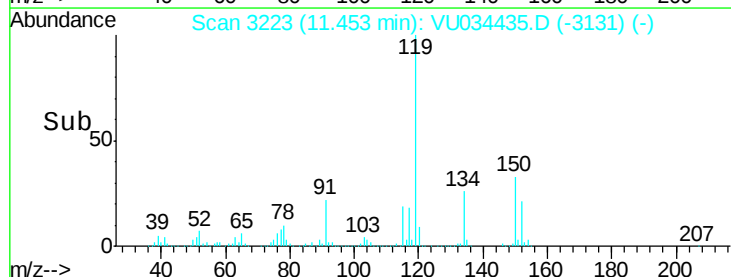
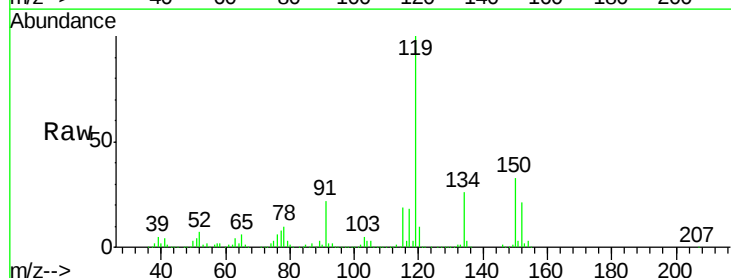
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 57.731 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.1	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 54.063 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

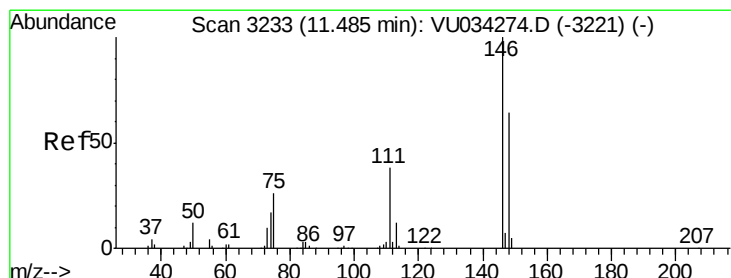
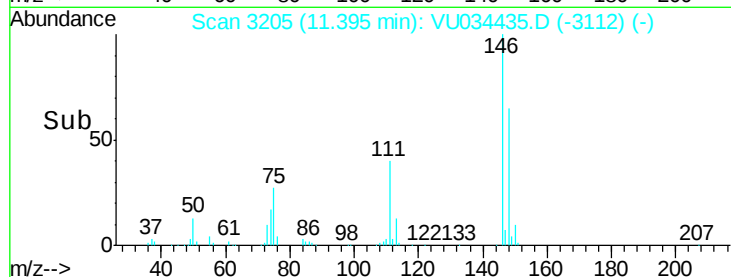
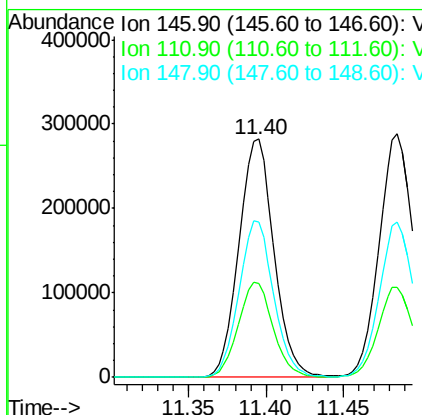
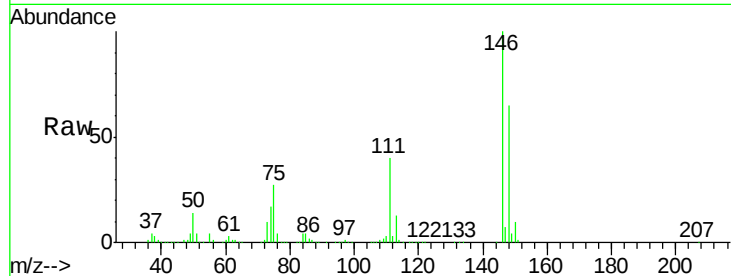
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	445870
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.7	32.1	96.3

Manual Integrations
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9/11/2019 1:42:45 PM



#88

1,4-Dichlorobenzene

Concen: 52.675 ug/l

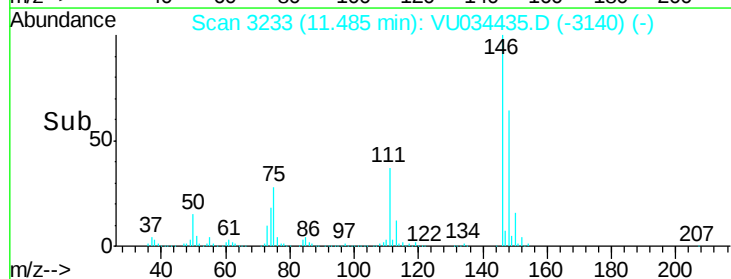
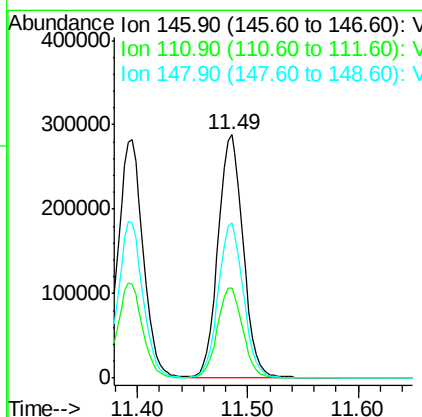
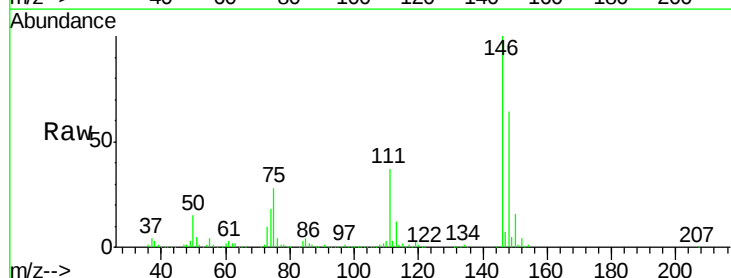
RT: 11.49 min Scan# 3233

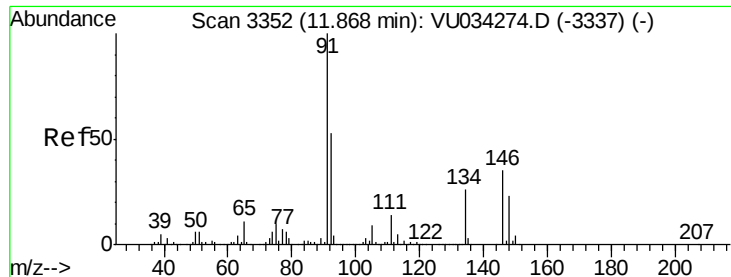
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	146	Resp:	453122
Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.5	32.0	96.0





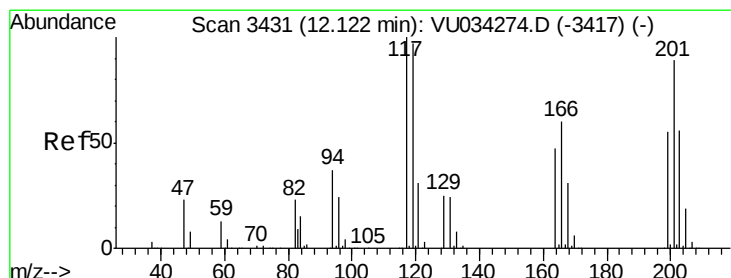
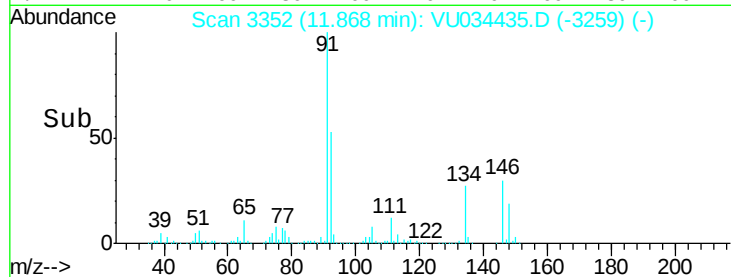
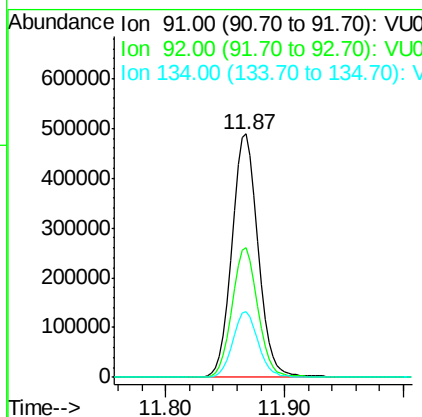
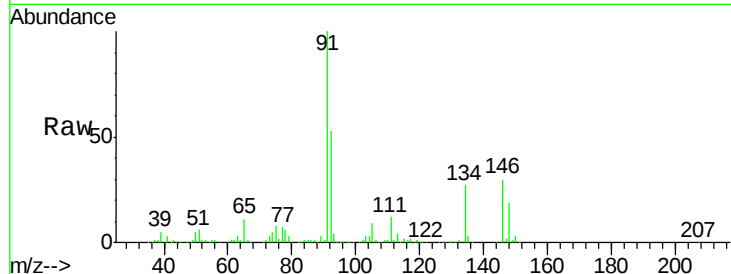
#89
n-Butylbenzene
Concen: 58.228 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	26.5	13.2	39.6

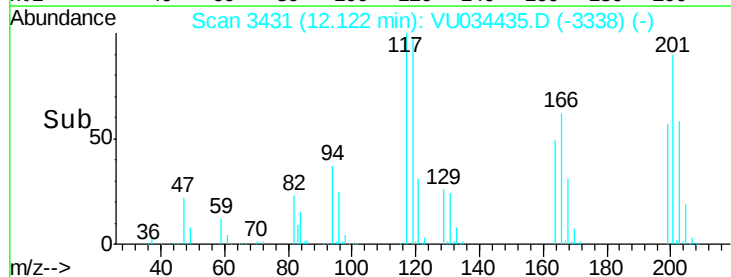
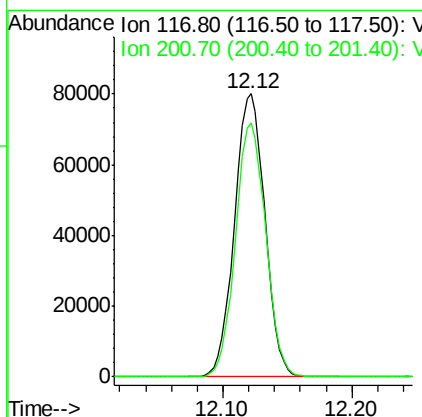
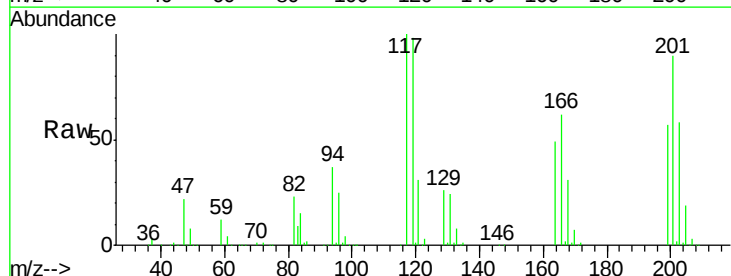
Manual Integrations
APPROVED

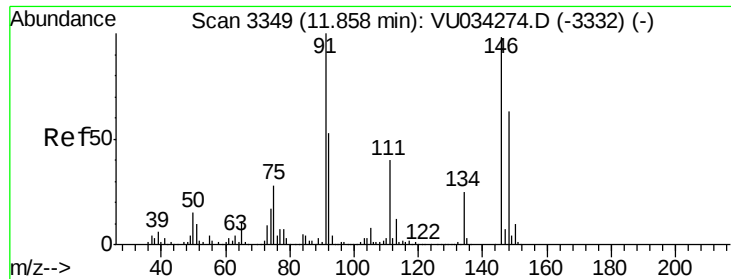
MMDadoda
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#90
Hexachloroethane
Concen: 55.726 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034435.D
Acq: 10 Sep 2019 08:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 54.048 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

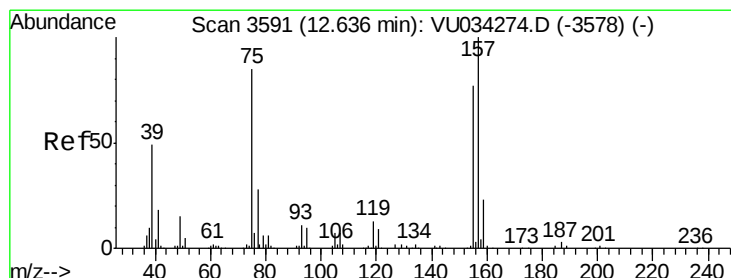
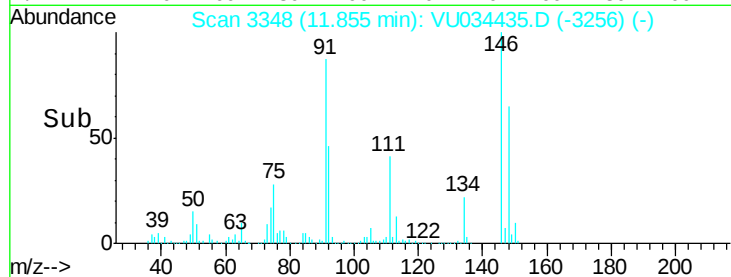
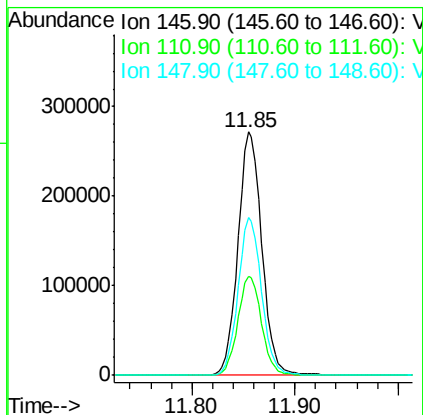
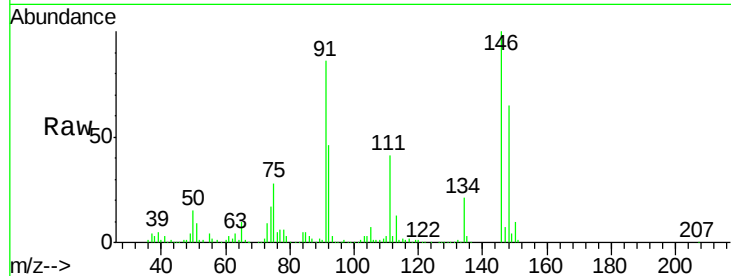
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	438071
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.0	60.0
148	63.9	31.6	94.8

Manual Integrations
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9/11/2019 1:42:45 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.872 ug/l

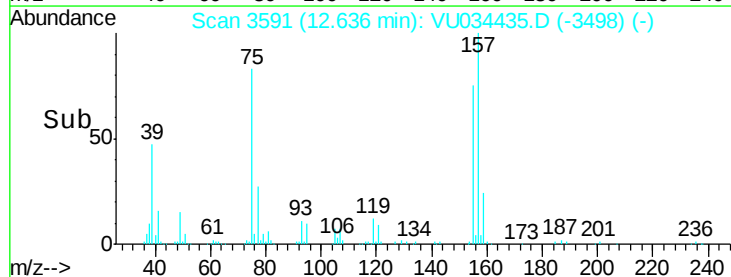
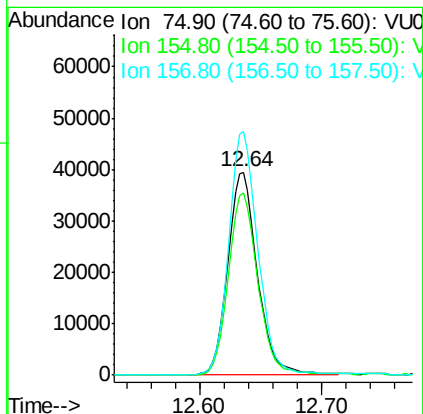
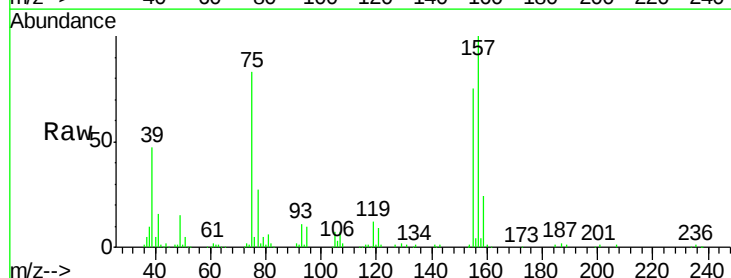
RT: 12.64 min Scan# 3591

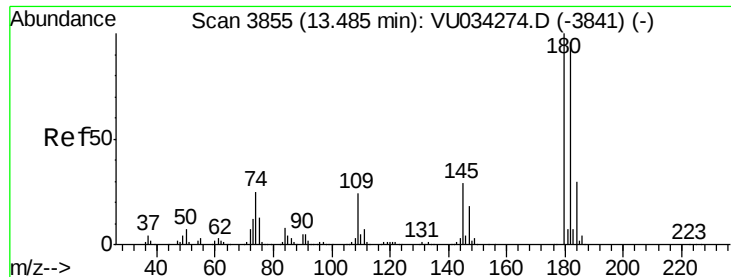
Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	75	Resp:	67174
Ion Ratio	Lower	Upper	
75	100		
155	89.2	44.6	134.0
157	117.6	58.2	174.6





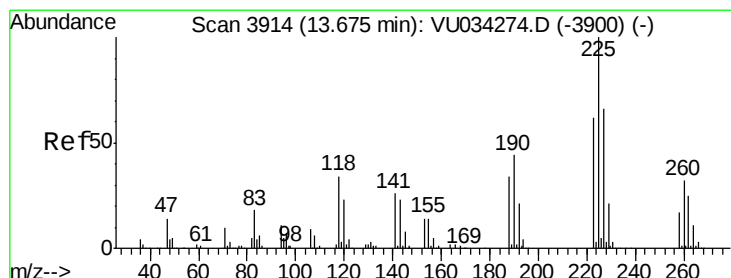
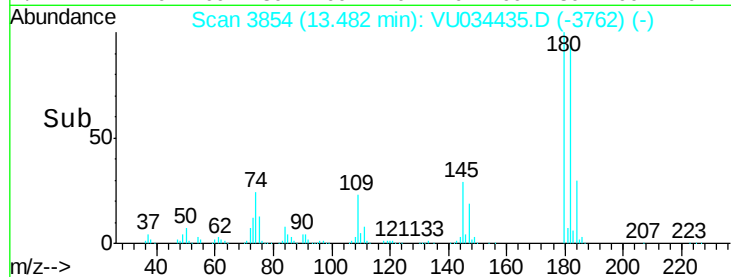
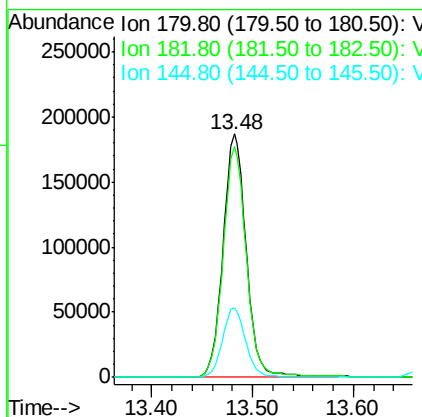
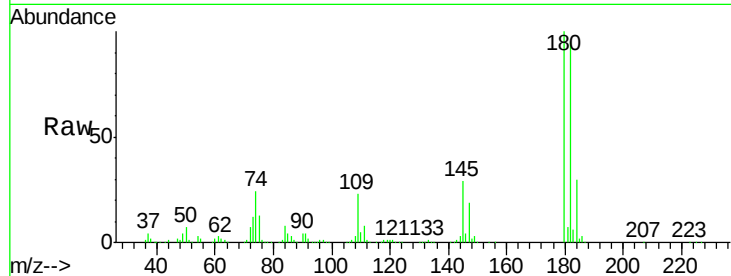
#93
 1,2,4-Trichlorobenzene
 Concen: 51.229 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	301678
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.8
145	28.5	14.4	43.0

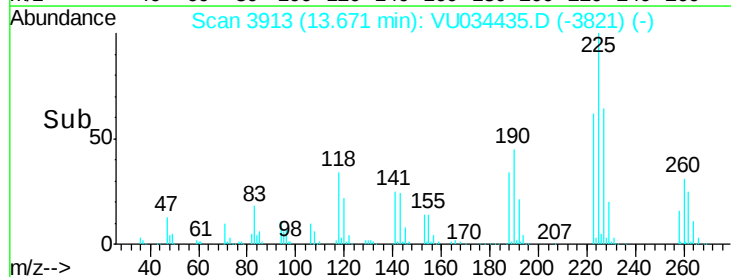
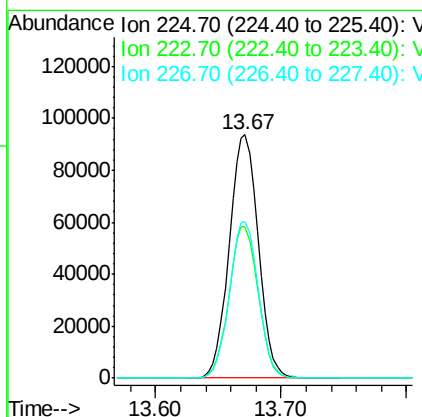
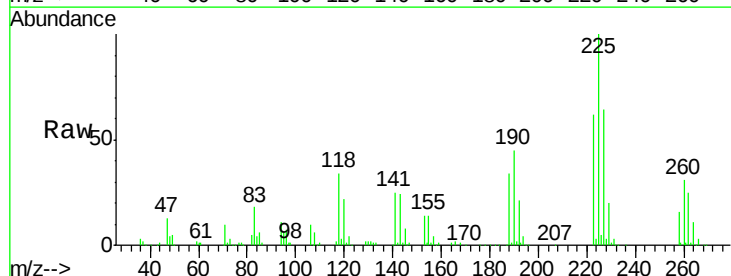
Manual Integrations
 APPROVED

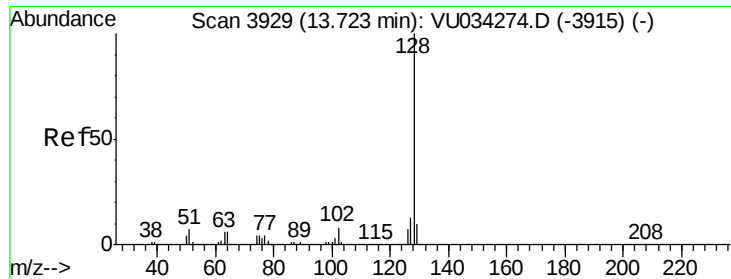
MMDadoda
 9/11/2019 1:42:45 PM



#94
 Hexachlorobutadiene
 Concen: 52.990 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034435.D
 Acq: 10 Sep 2019 08:54

Tgt Ion:	225	Resp:	150237
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.6	94.7
227	64.0	32.3	96.8





#95

Naphthalene

Concen: 47.580 ug/l

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Instrument :

MSVOA_U

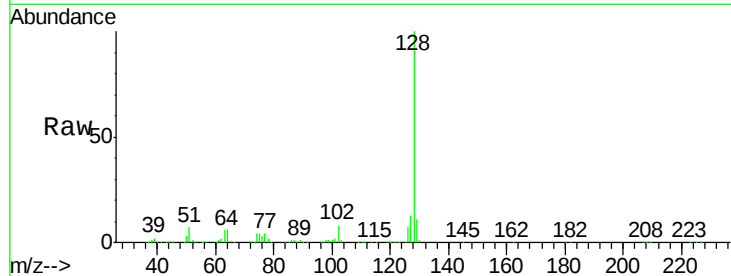
ClientSampleId :

VSTDCCC050

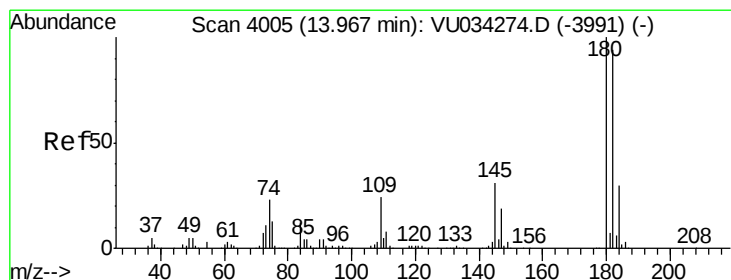
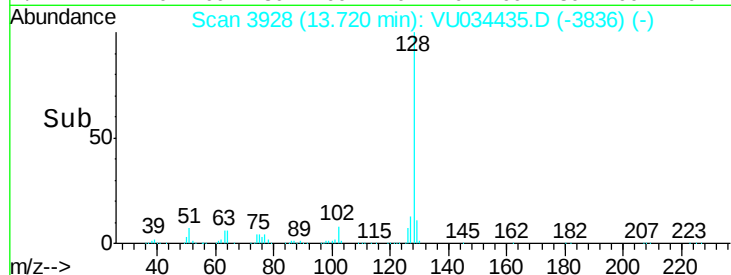
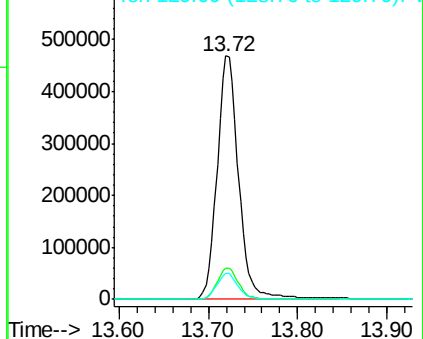
Tot Ion:	128	Resp:	784183
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/11/2019 1:42:45 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: 52.123 ug/l

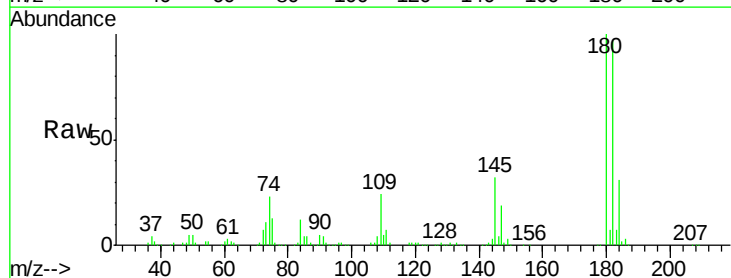
RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034435.D

Acq: 10 Sep 2019 08:54

Tgt Ion:	180	Resp:	296620
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.4	145.0
145	30.8	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

